

## Cover Page

**Order ID :** Q1066

**Project ID :** PVSC Monthly 2025

**Client :** Ardmore Chemical

**Lab Sample Number**

Q1066-01  
Q1066-02

**Client Sample Number**

EFF-WASTE WATER  
EFF-WASTE WATER

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

## 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 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q1066

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 Custody

✓

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

## LAB CHRONICLE

|                 |                    |                   |                       |
|-----------------|--------------------|-------------------|-----------------------|
| <b>OrderID:</b> | Q1066              | <b>OrderDate:</b> | 1/10/2025 12:15:00 PM |
| <b>Client:</b>  | Ardmore Chemical   | <b>Project:</b>   | PVSC Monthly 2025     |
| <b>Contact:</b> | Michael Sharphouse | <b>Location:</b>  | M11,VOA Ref. #3 Water |

| LabID    | ClientID        | Matrix | Test          | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|-----------------|--------|---------------|--------|-------------|-----------|-----------|----------|
| Q1066-02 | EFF-WASTE WATER | Water  | SVOCMS Group1 | 625.1  | 01/10/25    | 01/13/25  | 01/16/25  | 01/10/25 |





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**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q1066  
**Client:** Ardmore Chemical

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



# QC SUMMARY

## Surrogate Summary

SW-846

SDG No.: **Q1066**

Client: **Ardmore Chemical**

Analytical Method: **625.1**

| Lab Sample ID | Client ID       | Parameter            | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |      |
|---------------|-----------------|----------------------|-------------|--------------|--------------|------|------------|------|
|               |                 |                      |             |              |              |      | Low        | High |
| PB166033BL    | PB166033BL      | 2-Fluorophenol       | 100         | 99.2         | 99           |      | 60         | 140  |
|               |                 | Phenol-d6            | 100         | 98.9         | 99           |      | 60         | 140  |
|               |                 | Nitrobenzene-d5      | 100         | 99.2         | 99           |      | 60         | 140  |
|               |                 | 2-Fluorobiphenyl     | 100         | 98.3         | 98           |      | 60         | 140  |
|               |                 | 2,4,6-Tribromophenol | 100         | 97.7         | 98           |      | 60         | 140  |
|               |                 | Terphenyl-d14        | 100         | 88.9         | 89           |      | 60         | 140  |
| PB166033BS    | PB166033BS      | 2-Fluorophenol       | 100         | 93.9         | 94           |      | 60         | 140  |
|               |                 | Phenol-d6            | 100         | 93.8         | 94           |      | 60         | 140  |
|               |                 | Nitrobenzene-d5      | 100         | 95.0         | 95           |      | 60         | 140  |
|               |                 | 2-Fluorobiphenyl     | 100         | 93.4         | 93           |      | 60         | 140  |
|               |                 | 2,4,6-Tribromophenol | 100         | 102          | 102          |      | 60         | 140  |
|               |                 | Terphenyl-d14        | 100         | 91.0         | 91           |      | 60         | 140  |
| PB166033BSD   | PB166033BSD     | 2-Fluorophenol       | 100         | 93.4         | 93           |      | 60         | 140  |
|               |                 | Phenol-d6            | 100         | 92.9         | 93           |      | 60         | 140  |
|               |                 | Nitrobenzene-d5      | 100         | 96.0         | 96           |      | 60         | 140  |
|               |                 | 2-Fluorobiphenyl     | 100         | 95.5         | 96           |      | 60         | 140  |
|               |                 | 2,4,6-Tribromophenol | 100         | 106          | 106          |      | 60         | 140  |
|               |                 | Terphenyl-d14        | 100         | 90.4         | 90           |      | 60         | 140  |
| Q1066-02      | EFF-WASTE WATER | 2-Fluorophenol       | 100         | 51.6         | 52           | *    | 60         | 140  |
|               |                 | Phenol-d6            | 100         | 32.6         | 33           | *    | 60         | 140  |
|               |                 | Nitrobenzene-d5      | 100         | 97.3         | 97           |      | 60         | 140  |
|               |                 | 2-Fluorobiphenyl     | 100         | 99.8         | 100          |      | 60         | 140  |
|               |                 | 2,4,6-Tribromophenol | 100         | 76.7         | 77           |      | 60         | 140  |
|               |                 | Terphenyl-d14        | 100         | 81.4         | 81           |      | 60         | 140  |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1066

Client: Ardmore Chemical

Analytical Method: 625.1

DataFile: BF141182.D

| Lab Sample ID             | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | RPD  | Limits |      | RPD |
|---------------------------|-----------------------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|                           |                             |       |        |      |     |     |      | Qual | Low    | High |     |
| PB166033BS                | n-Nitrosodimethylamine      | 50    | 49.2   | ug/L | 98  |     |      |      | 52     | 110  |     |
|                           | Phenol                      | 50    | 50.1   | ug/L | 100 |     |      |      | 48     | 130  |     |
|                           | bis(2-Chloroethyl)ether     | 50    | 50.3   | ug/L | 101 |     |      |      | 52     | 130  |     |
|                           | 2-Chlorophenol              | 50    | 52.0   | ug/L | 104 |     |      |      | 55     | 130  |     |
|                           | 2,2-oxybis(1-Chloropropane) | 50    | 50.8   | ug/L | 102 |     |      |      | 63     | 139  |     |
|                           | N-Nitroso-di-n-propylamine  | 50    | 52.0   | ug/L | 104 |     |      |      | 59     | 170  |     |
|                           | Hexachloroethane            | 50    | 49.8   | ug/L | 100 |     |      |      | 55     | 130  |     |
|                           | Nitrobenzene                | 50    | 47.4   | ug/L | 95  |     |      |      | 54     | 158  |     |
|                           | Isophorone                  | 50    | 52.7   | ug/L | 105 |     |      |      | 52     | 180  |     |
|                           | 2-Nitrophenol               | 50    | 52.3   | ug/L | 105 |     |      |      | 61     | 163  |     |
|                           | 2,4-Dimethylphenol          | 50    | 61.5   | ug/L | 123 |     |      |      | 58     | 130  |     |
|                           | bis(2-Chloroethoxy)methane  | 50    | 50.0   | ug/L | 100 |     |      |      | 52     | 164  |     |
|                           | 2,4-Dichlorophenol          | 50    | 51.9   | ug/L | 104 |     |      |      | 64     | 130  |     |
|                           | 1,2,4-Trichlorobenzene      | 50    | 47.7   | ug/L | 95  |     |      |      | 44     | 142  |     |
|                           | Naphthalene                 | 50    | 48.9   | ug/L | 98  |     |      |      | 70     | 130  |     |
|                           | Hexachlorobutadiene         | 50    | 48.6   | ug/L | 97  |     |      |      | 68     | 130  |     |
|                           | 4-Chloro-3-methylphenol     | 50    | 52.1   | ug/L | 104 |     |      |      | 68     | 130  |     |
|                           | Hexachlorocyclopentadiene   | 100   | 200    | ug/L | 200 |     | *    |      | 21     | 137  |     |
|                           | 2,4,6-Trichlorophenol       | 50    | 53.2   | ug/L | 106 |     |      |      | 69     | 130  |     |
|                           | 2-Chloronaphthalene         | 50    | 47.4   | ug/L | 95  |     |      |      | 70     | 130  |     |
|                           | Dimethylphthalate           | 50    | 51.5   | ug/L | 103 |     |      |      | 50     | 130  |     |
|                           | Acenaphthylene              | 50    | 52.6   | ug/L | 105 |     |      |      | 60     | 130  |     |
|                           | 2,6-Dinitrotoluene          | 50    | 49.6   | ug/L | 99  |     |      |      | 68     | 137  |     |
|                           | Acenaphthene                | 50    | 55.9   | ug/L | 112 |     |      |      | 70     | 130  |     |
|                           | 2,4-Dinitrophenol           | 100   | 120    | ug/L | 120 |     |      |      | 39     | 173  |     |
|                           | 4-Nitrophenol               | 100   | 110    | ug/L | 110 |     |      |      | 35     | 130  |     |
|                           | 2,4-Dinitrotoluene          | 50    | 52.8   | ug/L | 106 |     |      |      | 53     | 130  |     |
|                           | Diethylphthalate            | 50    | 51.9   | ug/L | 104 |     |      |      | 47     | 130  |     |
|                           | 4-Chlorophenyl-phenylether  | 50    | 50.2   | ug/L | 100 |     |      |      | 57     | 145  |     |
|                           | Fluorene                    | 50    | 49.7   | ug/L | 99  |     |      |      | 70     | 130  |     |
|                           | 4,6-Dinitro-2-methylphenol  | 50    | 59.5   | ug/L | 119 |     |      |      | 56     | 130  |     |
|                           | N-Nitrosodiphenylamine      | 50    | 52.0   | ug/L | 104 |     | *    |      | 63     | 100  |     |
|                           | Azobenzene                  | 50    | 50.4   | ug/L | 101 |     |      |      | 58     | 105  |     |
| 4-Bromophenyl-phenylether | 50                          | 52.8  | ug/L   | 106  |     |     |      | 70   | 130    |      |     |
| Hexachlorobenzene         | 50                          | 52.2  | ug/L   | 104  |     |     |      | 38   | 142    |      |     |
| Pentachlorophenol         | 100                         | 100   | ug/L   | 100  |     |     |      | 42   | 152    |      |     |
| Phenanthrene              | 50                          | 53.1  | ug/L   | 106  |     |     |      | 67   | 130    |      |     |
| Anthracene                | 50                          | 55.0  | ug/L   | 110  |     |     |      | 58   | 130    |      |     |
| Di-n-butylphthalate       | 50                          | 55.8  | ug/L   | 112  |     |     |      | 52   | 130    |      |     |
| Fluoranthene              | 50                          | 54.6  | ug/L   | 109  |     |     |      | 47   | 130    |      |     |
| Benzidine                 | 100                         | 59.2  | ug/L   | 59   |     |     |      | 10   | 133    |      |     |
| Pyrene                    | 50                          | 45.4  | ug/L   | 91   |     |     |      | 70   | 130    |      |     |
| Butylbenzylphthalate      | 50                          | 54.3  | ug/L   | 109  |     |     |      | 43   | 140    |      |     |
| 3,3-Dichlorobenzidine     | 50                          | 28.1  | ug/L   | 56   |     |     |      | 18   | 213    |      |     |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1066

Client: Ardmore Chemical

Analytical Method: 625.1 DataFile: BF141182.D

| Lab Sample ID | Parameter                  | Spike | Result | Unit | Rec | RPD | Qual | RPD  |     | Limits |     |
|---------------|----------------------------|-------|--------|------|-----|-----|------|------|-----|--------|-----|
|               |                            |       |        |      |     |     |      | Qual | Low | High   | RPD |
| PB166033BS    | Benzo(a)anthracene         | 50    | 50.5   | ug/L | 101 |     |      |      | 42  | 133    |     |
|               | Chrysene                   | 50    | 47.8   | ug/L | 96  |     |      |      | 44  | 140    |     |
|               | bis(2-Ethylhexyl)phthalate | 50    | 57.8   | ug/L | 116 |     |      |      | 43  | 137    |     |
|               | Di-n-octyl phthalate       | 50    | 60.1   | ug/L | 120 |     |      |      | 21  | 132    |     |
|               | Benzo(b)fluoranthene       | 50    | 53.2   | ug/L | 106 |     |      |      | 42  | 140    |     |
|               | Benzo(k)fluoranthene       | 50    | 54.0   | ug/L | 108 |     |      |      | 25  | 146    |     |
|               | Benzo(a)pyrene             | 50    | 56.0   | ug/L | 112 |     |      |      | 32  | 148    |     |
|               | Indeno(1,2,3-cd)pyrene     | 50    | 50.5   | ug/L | 101 |     |      |      | 13  | 151    |     |
|               | Dibenz(a,h)anthracene      | 50    | 50.5   | ug/L | 101 |     |      |      | 13  | 200    |     |
|               | Benzo(g,h,i)perylene       | 50    | 44.9   | ug/L | 90  |     |      |      | 13  | 195    |     |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1066

Client: Ardmore Chemical

Analytical Method: 625.1

DataFile: BF141183.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | RPD  |      | Limits |      | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |                             |       |        |      |     |     | Qual | Qual | Low    | High |     |
| PB166033BSD   | n-Nitrosodimethylamine      | 50    | 48.7   | ug/L | 97  | 1   |      |      | 52     | 110  | 20  |
|               | Phenol                      | 50    | 49.9   | ug/L | 100 | 0   |      |      | 48     | 130  | 20  |
|               | bis(2-Chloroethyl)ether     | 50    | 50.3   | ug/L | 101 | 0   |      |      | 52     | 130  | 20  |
|               | 2-Chlorophenol              | 50    | 51.9   | ug/L | 104 | 0   |      |      | 55     | 130  | 20  |
|               | 2,2-oxybis(1-Chloropropane) | 50    | 49.9   | ug/L | 100 | 2   |      |      | 63     | 139  | 20  |
|               | N-Nitroso-di-n-propylamine  | 50    | 51.2   | ug/L | 102 | 2   |      |      | 59     | 170  | 20  |
|               | Hexachloroethane            | 50    | 49.5   | ug/L | 99  | 1   |      |      | 55     | 130  | 20  |
|               | Nitrobenzene                | 50    | 47.5   | ug/L | 95  | 0   |      |      | 54     | 158  | 20  |
|               | Isophorone                  | 50    | 52.4   | ug/L | 105 | 1   |      |      | 52     | 180  | 20  |
|               | 2-Nitrophenol               | 50    | 52.6   | ug/L | 105 | 1   |      |      | 61     | 163  | 20  |
|               | 2,4-Dimethylphenol          | 50    | 61.0   | ug/L | 122 | 1   |      |      | 58     | 130  | 20  |
|               | bis(2-Chloroethoxy)methane  | 50    | 50.2   | ug/L | 100 | 0   |      |      | 52     | 164  | 20  |
|               | 2,4-Dichlorophenol          | 50    | 52.3   | ug/L | 105 | 1   |      |      | 64     | 130  | 20  |
|               | 1,2,4-Trichlorobenzene      | 50    | 47.7   | ug/L | 95  | 0   |      |      | 44     | 142  | 20  |
|               | Naphthalene                 | 50    | 49.4   | ug/L | 99  | 1   |      |      | 70     | 130  | 20  |
|               | Hexachlorobutadiene         | 50    | 49.2   | ug/L | 98  | 1   |      |      | 68     | 130  | 20  |
|               | 4-Chloro-3-methylphenol     | 50    | 52.7   | ug/L | 105 | 1   |      |      | 68     | 130  | 20  |
|               | Hexachlorocyclopentadiene   | 100   | 200    | ug/L | 200 | 0   | *    |      | 21     | 137  | 20  |
|               | 2,4,6-Trichlorophenol       | 50    | 53.7   | ug/L | 107 | 1   |      |      | 69     | 130  | 20  |
|               | 2-Chloronaphthalene         | 50    | 48.3   | ug/L | 97  | 2   |      |      | 70     | 130  | 20  |
|               | Dimethylphthalate           | 50    | 52.6   | ug/L | 105 | 2   |      |      | 50     | 130  | 20  |
|               | Acenaphthylene              | 50    | 53.2   | ug/L | 106 | 1   |      |      | 60     | 130  | 20  |
|               | 2,6-Dinitrotoluene          | 50    | 50.0   | ug/L | 100 | 1   |      |      | 68     | 137  | 20  |
|               | Acenaphthene                | 50    | 57.1   | ug/L | 114 | 2   |      |      | 70     | 130  | 20  |
|               | 2,4-Dinitrophenol           | 100   | 120    | ug/L | 120 | 0   |      |      | 39     | 173  | 20  |
|               | 4-Nitrophenol               | 100   | 110    | ug/L | 110 | 0   |      |      | 35     | 130  | 20  |
|               | 2,4-Dinitrotoluene          | 50    | 53.7   | ug/L | 107 | 2   |      |      | 53     | 130  | 20  |
|               | Diethylphthalate            | 50    | 52.7   | ug/L | 105 | 2   |      |      | 47     | 130  | 20  |
|               | 4-Chlorophenyl-phenylether  | 50    | 50.9   | ug/L | 102 | 1   |      |      | 57     | 145  | 20  |
|               | Fluorene                    | 50    | 50.6   | ug/L | 101 | 2   |      |      | 70     | 130  | 20  |
|               | 4,6-Dinitro-2-methylphenol  | 50    | 62.5   | ug/L | 125 | 5   |      |      | 56     | 130  | 20  |
|               | N-Nitrosodiphenylamine      | 50    | 52.5   | ug/L | 105 | 1   | *    |      | 63     | 100  | 20  |
|               | Azobenzene                  | 50    | 51.5   | ug/L | 103 | 2   |      |      | 58     | 105  | 20  |
|               | 4-Bromophenyl-phenylether   | 50    | 53.2   | ug/L | 106 | 1   |      |      | 70     | 130  | 20  |
|               | Hexachlorobenzene           | 50    | 52.8   | ug/L | 106 | 1   |      |      | 38     | 142  | 20  |
|               | Pentachlorophenol           | 100   | 110    | ug/L | 110 | 10  |      |      | 42     | 152  | 20  |
|               | Phenanthrene                | 50    | 53.2   | ug/L | 106 | 0   |      |      | 67     | 130  | 20  |
|               | Anthracene                  | 50    | 56.1   | ug/L | 112 | 2   |      |      | 58     | 130  | 20  |
|               | Di-n-butylphthalate         | 50    | 56.6   | ug/L | 113 | 1   |      |      | 52     | 130  | 20  |
|               | Fluoranthene                | 50    | 56.9   | ug/L | 114 | 4   |      |      | 47     | 130  | 20  |
|               | Benzidine                   | 100   | 60.0   | ug/L | 60  | 1   |      |      | 10     | 133  | 20  |
|               | Pyrene                      | 50    | 44.6   | ug/L | 89  | 2   |      |      | 70     | 130  | 20  |
|               | Butylbenzylphthalate        | 50    | 55.1   | ug/L | 110 | 1   |      |      | 43     | 140  | 20  |
|               | 3,3-Dichlorobenzidine       | 50    | 28.9   | ug/L | 58  | 3   |      |      | 18     | 213  | 20  |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1066

Client: Ardmore Chemical

Analytical Method: 625.1 DataFile: BF141183.D

| Lab Sample ID | Parameter                  | Spike | Result | Unit | Rec | RPD | RPD  |      | Limits |      |     |
|---------------|----------------------------|-------|--------|------|-----|-----|------|------|--------|------|-----|
|               |                            |       |        |      |     |     | Qual | Qual | Low    | High | RPD |
| PB166033BSD   | Benzo(a)anthracene         | 50    | 52.3   | ug/L | 105 | 4   |      |      | 42     | 133  | 20  |
|               | Chrysene                   | 50    | 49.2   | ug/L | 98  | 3   |      |      | 44     | 140  | 20  |
|               | bis(2-Ethylhexyl)phthalate | 50    | 59.2   | ug/L | 118 | 2   |      |      | 43     | 137  | 20  |
|               | Di-n-octyl phthalate       | 50    | 62.5   | ug/L | 125 | 4   |      |      | 21     | 132  | 20  |
|               | Benzo(b)fluoranthene       | 50    | 50.6   | ug/L | 101 | 5   |      |      | 42     | 140  | 20  |
|               | Benzo(k)fluoranthene       | 50    | 60.1   | ug/L | 120 | 11  |      |      | 25     | 146  | 20  |
|               | Benzo(a)pyrene             | 50    | 56.7   | ug/L | 113 | 1   |      |      | 32     | 148  | 20  |
|               | Indeno(1,2,3-cd)pyrene     | 50    | 49.9   | ug/L | 100 | 1   |      |      | 13     | 151  | 20  |
|               | Dibenz(a,h)anthracene      | 50    | 49.4   | ug/L | 99  | 2   |      |      | 13     | 200  | 20  |
|               | Benzo(g,h,i)perylene       | 50    | 44.3   | ug/L | 89  | 1   |      |      | 13     | 195  | 20  |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166033BL

Lab Name: CHEMTECH

Contract: ARDM01

Lab Code: CHEM Case No.: Q1066

SAS No.: Q1066 SDG NO.: Q1066

Lab File ID: BF141184.D

Lab Sample ID: PB166033BL

Instrument ID: BNA\_F

Date Extracted: 01/13/2025

Matrix: (soil/water) Water

Date Analyzed: 01/16/2025

Level: (low/med) LOW

Time Analyzed: 14:40

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|-------------------|------------------|----------------|------------------|
| PB166033BS        | PB166033BS       | BF141182.D     | 01/16/2025       |
| PB166033BSD       | PB166033BSD      | BF141183.D     | 01/16/2025       |
| EFF-WASTE WATER   | Q1066-02         | BF141185.D     | 01/16/2025       |

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_





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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: ARDM01Lab Code: CHEMSAS No.: Q1066SDG NO.: Q1066Lab File ID: BF141108.DDFTPP Injection Date: 01/10/2025Instrument ID: BNA\_FDFTPP 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       | 87.8                 |
| 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<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>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: CHEMTECHContract: ARDM01Lab Code: CHEMSAS No.: Q1066 SDG NO.: Q1066Lab File ID: BF141178.DDFTPP Injection Date: 01/16/2025Instrument ID: BNA\_FDFTPP Injection Time: 10:25

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 38.4                 |
| 68  | Less than 2.0% of mass 69          | 0.7 ( 1.9 ) 1        |
| 69  | Mass 69 relative abundance         | 37.5                 |
| 70  | Less than 2.0% of mass 69          | 0.3 ( 0.7 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 49.5                 |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.6                  |
| 275 | 10.0 - 60.0% of mass 198           | 28.6                 |
| 365 | Greater than 1% of mass 198        | 3.4                  |
| 441 | Present, but less than mass 443    | 13.8                 |
| 442 | Greater than 50% of mass 198       | 90.6                 |
| 443 | 15.0 - 24.0% of mass 442           | 17.3 ( 19.1 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC040        | SSTDCCC040       | BF141179.D     | 01/16/2025       | 12:29            |
| PB166033BS        | PB166033BS       | BF141182.D     | 01/16/2025       | 13:48            |
| PB166033BSD       | PB166033BSD      | BF141183.D     | 01/16/2025       | 14:14            |
| PB166033BL        | PB166033BL       | BF141184.D     | 01/16/2025       | 14:40            |
| EFF-WASTE WATER   | Q1066-02         | BF141185.D     | 01/16/2025       | 15:13            |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1066 SAS No.: Q1066 SDG NO.: Q1066

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/16/2025

Lab File ID: BF141179.D Time Analyzed: 12:29

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                    | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>AREA # | RT #   |
|--------------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD        | 166278              | 6.816 | 639453              | 8.10  | 345703              | 9.86   |
| UPPER LIMIT        | 332556              | 7.316 | 1278910             | 8.598 | 691406              | 10.357 |
| LOWER LIMIT        | 83139               | 6.316 | 319727              | 7.598 | 172852              | 9.357  |
| EPA SAMPLE NO.     |                     |       |                     |       |                     |        |
| 01 PB166033BS      | 145745              | 6.82  | 588065              | 8.10  | 322280              | 9.86   |
| 02 PB166033BSD     | 145451              | 6.82  | 579745              | 8.10  | 316390              | 9.86   |
| 03 PB166033BL      | 146806              | 6.81  | 597756              | 8.09  | 330061              | 9.85   |
| 04 EFF-WASTE WATER | 164057              | 6.81  | 629793              | 8.09  | 310201              | 9.85   |

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.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1066 SAS No.: Q1066 SDG NO.: Q1066

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/16/2025

Lab File ID: BF141179.D Time Analyzed: 12:29

Instrument ID: BNA\_F GC Column: DB-UI ID: 0.18 (mm)

|                    | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|--------------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD        | 587619              | 11.339 | 388773              | 13.986 | 345127              | 15.439 |
| UPPER LIMIT        | 1175240             | 11.839 | 777546              | 14.486 | 690254              | 15.939 |
| LOWER LIMIT        | 293810              | 10.839 | 194387              | 13.486 | 172564              | 14.939 |
| EPA SAMPLE NO.     |                     |        |                     |        |                     |        |
| 01 PB166033BS      | 550858              | 11.35  | 381753              | 13.99  | 337646              | 15.45  |
| 02 PB166033BSD     | 547331              | 11.35  | 396431              | 13.99  | 344702              | 15.45  |
| 03 PB166033BL      | 578652              | 11.34  | 443355              | 13.98  | 355863              | 15.44  |
| 04 EFF-WASTE WATER | 432821              | 11.35  | 314115              | 13.99  | 311041              | 15.45  |

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

## Report of Analysis

|                    |                       |                 |               |
|--------------------|-----------------------|-----------------|---------------|
| Client:            | Ardmore Chemical      | Date Collected: | 01/10/25      |
| Project:           | PVSC Monthly 2025     | Date Received:  | 01/10/25      |
| Client Sample ID:  | EFF-WASTE WATER       | SDG No.:        | Q1066         |
| Lab Sample ID:     | Q1066-02              | Matrix:         | Water         |
| Analytical Method: | 625.1                 | % Solid:        | 0             |
| Sample Wt/Vol:     | 950      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | 3510C                 |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141185.D        | 1         | 01/13/25 08:22 | 01/16/25 15:13 | PB166033      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 1.10  | U         | 1.10 | 10.5       | ug/L  |
| 108-95-2       | Phenol                      | 0.98  | U         | 0.98 | 5.30       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 1.30  | U         | 1.30 | 5.30       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 0.75  | U         | 0.75 | 5.30       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1.40  | U         | 1.40 | 5.30       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1.60  | U         | 1.60 | 5.30       | ug/L  |
| 67-72-1        | Hexachloroethane            | 1.10  | U         | 1.10 | 5.30       | ug/L  |
| 98-95-3        | Nitrobenzene                | 1.30  | U         | 1.30 | 5.30       | ug/L  |
| 78-59-1        | Isophorone                  | 1.20  | U         | 1.20 | 5.30       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 2.10  | U         | 2.10 | 5.30       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 1.60  | U         | 1.60 | 5.30       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 1.10  | U         | 1.10 | 5.30       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 0.93  | U         | 0.93 | 5.30       | ug/L  |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 1.20  | U         | 1.20 | 5.30       | ug/L  |
| 91-20-3        | Naphthalene                 | 1.10  | U         | 1.10 | 5.30       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 1.30  | U         | 1.30 | 5.30       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 0.88  | U         | 0.88 | 5.30       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 5.30  | UQ        | 5.30 | 10.5       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 0.94  | U         | 0.94 | 5.30       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 1.00  | U         | 1.00 | 5.30       | ug/L  |
| 131-11-3       | Dimethylphthalate           | 0.98  | U         | 0.98 | 5.30       | ug/L  |
| 208-96-8       | Acenaphthylene              | 1.10  | U         | 1.10 | 5.30       | ug/L  |
| 606-20-2       | 2,6-Dinitrotoluene          | 1.30  | U         | 1.30 | 5.30       | ug/L  |
| 83-32-9        | Acenaphthene                | 0.85  | U         | 0.85 | 5.30       | ug/L  |
| 51-28-5        | 2,4-Dinitrophenol           | 6.80  | U         | 6.80 | 10.5       | ug/L  |
| 100-02-7       | 4-Nitrophenol               | 2.10  | U         | 2.10 | 10.5       | ug/L  |
| 121-14-2       | 2,4-Dinitrotoluene          | 1.60  | U         | 1.60 | 5.30       | ug/L  |
| 84-66-2        | Diethylphthalate            | 1.10  | U         | 1.10 | 5.30       | ug/L  |
| 7005-72-3      | 4-Chlorophenyl-phenylether  | 1.00  | U         | 1.00 | 5.30       | ug/L  |

## Report of Analysis

|                    |                       |                 |               |
|--------------------|-----------------------|-----------------|---------------|
| Client:            | Ardmore Chemical      | Date Collected: | 01/10/25      |
| Project:           | PVSC Monthly 2025     | Date Received:  | 01/10/25      |
| Client Sample ID:  | EFF-WASTE WATER       | SDG No.:        | Q1066         |
| Lab Sample ID:     | Q1066-02              | Matrix:         | Water         |
| Analytical Method: | 625.1                 | % Solid:        | 0             |
| Sample Wt/Vol:     | 950      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | 3510C                 |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141185.D        | 1         | 01/13/25 08:22 | 01/16/25 15:13 | PB166033      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------------|-------|
| 86-73-7    | Fluorene                   | 1.00  | U         | 1.00 | 5.30       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 3.20  | U         | 3.20 | 10.5       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 0.94  | UQ        | 0.94 | 5.30       | ug/L  |
| 103-33-3   | Azobenzene                 | 1.30  | U         | 1.30 | 5.30       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 1.00  | U         | 1.00 | 5.30       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 1.20  | U         | 1.20 | 5.30       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 1.90  | U         | 1.90 | 10.5       | ug/L  |
| 85-01-8    | Phenanthrene               | 0.94  | U         | 0.94 | 5.30       | ug/L  |
| 120-12-7   | Anthracene                 | 1.10  | U         | 1.10 | 5.30       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 1.50  | U         | 1.50 | 5.30       | ug/L  |
| 206-44-0   | Fluoranthene               | 1.40  | U         | 1.40 | 5.30       | ug/L  |
| 92-87-5    | Benzidine                  | 4.30  | U         | 4.30 | 10.5       | ug/L  |
| 129-00-0   | Pyrene                     | 1.10  | U         | 1.10 | 5.30       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 2.20  | U         | 2.20 | 5.30       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 1.30  | U         | 1.30 | 10.5       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 0.99  | U         | 0.99 | 5.30       | ug/L  |
| 218-01-9   | Chrysene                   | 0.91  | U         | 0.91 | 5.30       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 2.00  | U         | 2.00 | 5.30       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 2.60  | U         | 2.60 | 10.5       | ug/L  |
| 205-99-2   | Benzo(b)fluoranthene       | 1.20  | U         | 1.20 | 5.30       | ug/L  |
| 207-08-9   | Benzo(k)fluoranthene       | 1.30  | U         | 1.30 | 5.30       | ug/L  |
| 50-32-8    | Benzo(a)pyrene             | 1.80  | U         | 1.80 | 5.30       | ug/L  |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 1.10  | U         | 1.10 | 5.30       | ug/L  |
| 53-70-3    | Dibenzo(a,h)anthracene     | 1.20  | U         | 1.20 | 5.30       | ug/L  |
| 191-24-2   | Benzo(g,h,i)perylene       | 1.20  | U         | 1.20 | 5.30       | ug/L  |

**SURROGATES**

|            |                  |      |   |          |      |          |
|------------|------------------|------|---|----------|------|----------|
| 367-12-4   | 2-Fluorophenol   | 51.6 | * | 60 - 140 | 52%  | SPK: 100 |
| 13127-88-3 | Phenol-d6        | 32.6 | * | 60 - 140 | 33%  | SPK: 100 |
| 4165-60-0  | Nitrobenzene-d5  | 97.3 |   | 60 - 140 | 97%  | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl | 99.8 |   | 60 - 140 | 100% | SPK: 100 |

## Report of Analysis

|                    |                       |                 |               |
|--------------------|-----------------------|-----------------|---------------|
| Client:            | Ardmore Chemical      | Date Collected: | 01/10/25      |
| Project:           | PVSC Monthly 2025     | Date Received:  | 01/10/25      |
| Client Sample ID:  | EFF-WASTE WATER       | SDG No.:        | Q1066         |
| Lab Sample ID:     | Q1066-02              | Matrix:         | Water         |
| Analytical Method: | 625.1                 | % Solid:        | 0             |
| Sample Wt/Vol:     | 950      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                    | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N       | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0   | GPC Cleanup :   | N      PH :   |
| Prep Method :      | 3510C                 |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141185.D        | 1         | 01/13/25 08:22 | 01/16/25 15:13 | PB166033      |

| CAS Number | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|------------|----------------------|-------|-----------|----------|------------|----------|
| 118-79-6   | 2,4,6-Tribromophenol | 76.7  |           | 60 - 140 | 77%        | SPK: 100 |
| 1718-51-0  | Terphenyl-d14        | 81.4  |           | 60 - 140 | 81%        | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |        |        |
|------------|------------------------|--------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 164000 | 6.81   |
| 1146-65-2  | Naphthalene-d8         | 630000 | 8.093  |
| 15067-26-2 | Acenaphthene-d10       | 310000 | 9.851  |
| 1517-22-2  | Phenanthrene-d10       | 433000 | 11.345 |
| 1719-03-5  | Chrysene-d12           | 314000 | 13.986 |
| 1520-96-3  | Perylene-d12           | 311000 | 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\BF011625\  
 Data File : BF141185.D  
 Acq On : 16 Jan 2025 15:13  
 Operator : RC/JU  
 Sample : Q1066-02  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EFF-WASTE WATER

Quant Time: Jan 16 15:35:23 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

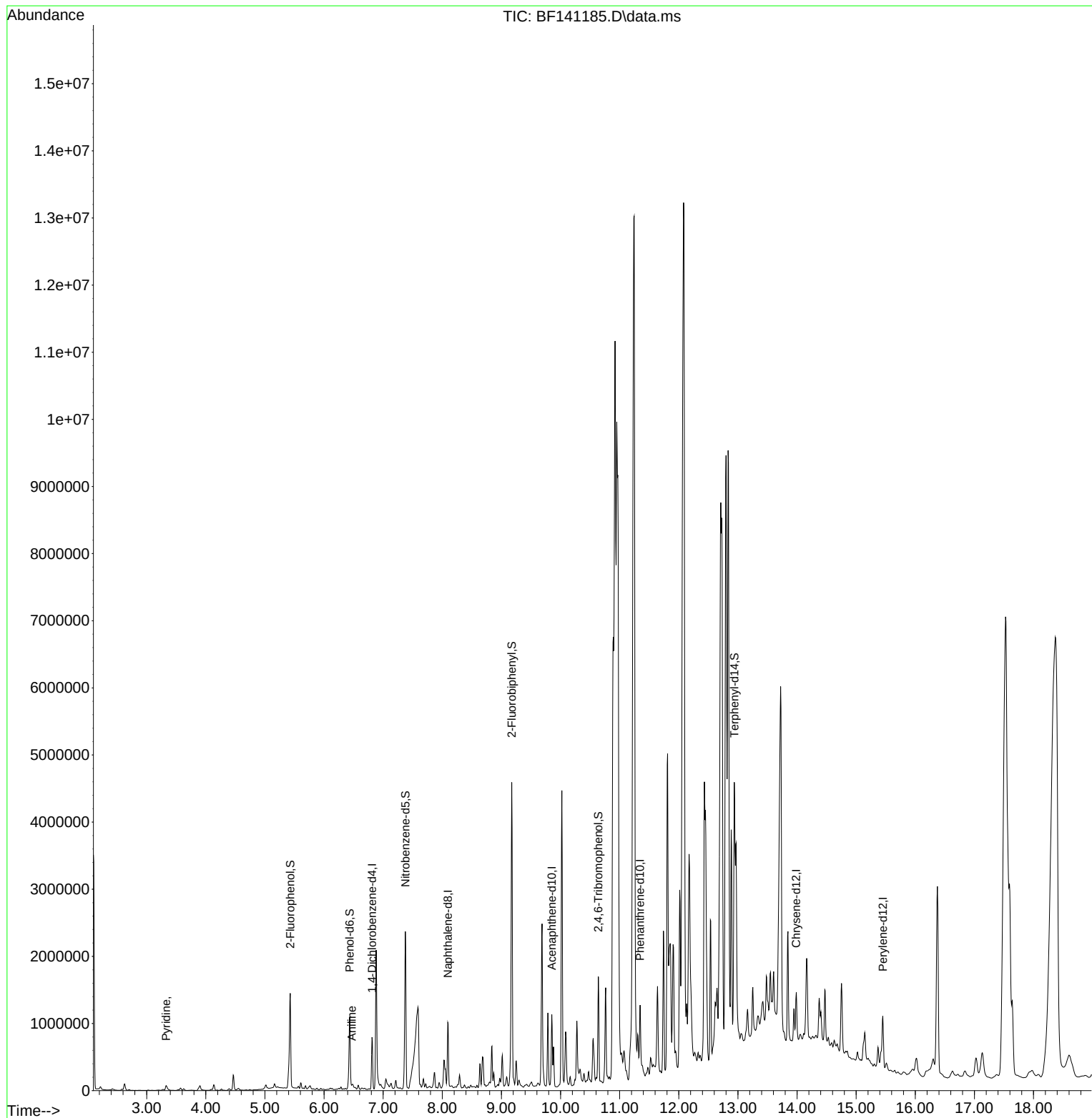
| Compound                    | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|--------|------|----------|--------|-------|----------|
| -----                       |        |      |          |        |       |          |
| Internal Standards          |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.810  | 152  | 164057   | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.093  | 136  | 629793   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.851  | 164  | 310201   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.345 | 188  | 432821   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.986 | 240  | 314115   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.451 | 264  | 311041   | 20.000 | ng    | 0.01     |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.428  | 112  | 548229   | 51.623 | ng    | 0.00     |
| 7) Phenol-d6                | 6.434  | 99   | 438947   | 32.630 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.375  | 82   | 1156533  | 97.343 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.639 | 330  | 271101   | 76.701 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.175  | 172  | 2027843  | 99.826 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.939 | 244  | 1721278  | 81.446 | ng    | 0.00     |
| Target Compounds            |        |      |          |        |       |          |
|                             |        |      |          |        |       | Qvalue   |
| 3) Pyridine                 | 3.328  | 79   | 56154    | 4.842  | ng    | 97       |
| 6) Aniline                  | 6.469  | 93   | 27548    | 2.307  | ng    | 96       |
| -----                       |        |      |          |        |       |          |

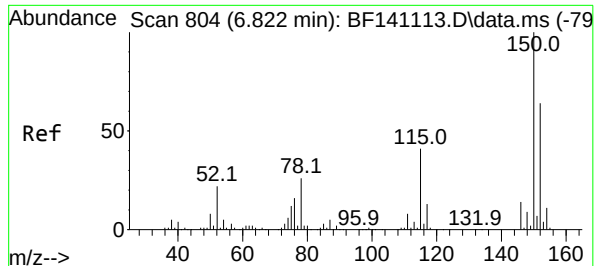
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011625\  
Data File : BF141185.D  
Acq On : 16 Jan 2025 15:13  
Operator : RC/JU  
Sample : Q1066-02  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WASTE WATER

Quant Time: Jan 16 15:35:23 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

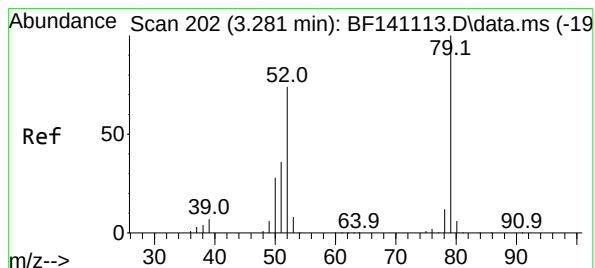
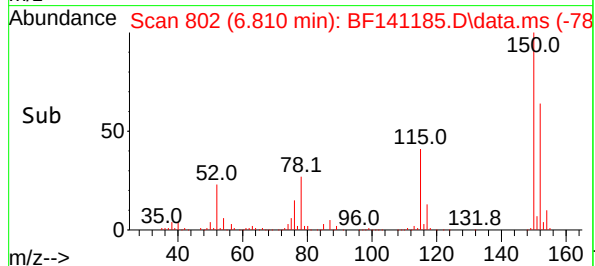
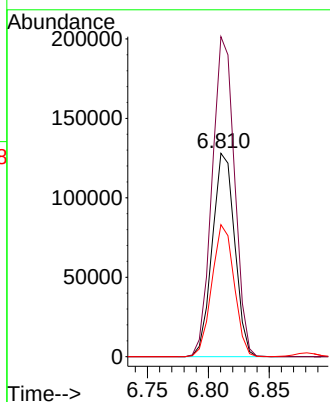
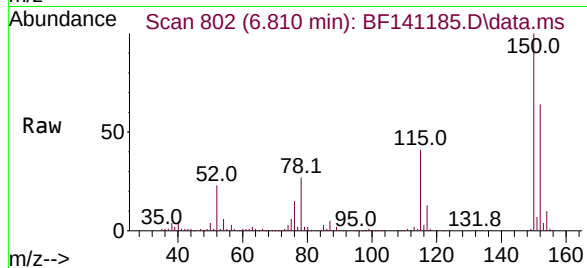




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.810 min Scan# 80  
Delta R.T. -0.012 min  
Lab File: BF141185.D  
Acq: 16 Jan 2025 15:13

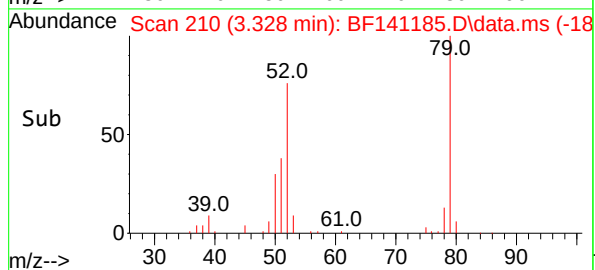
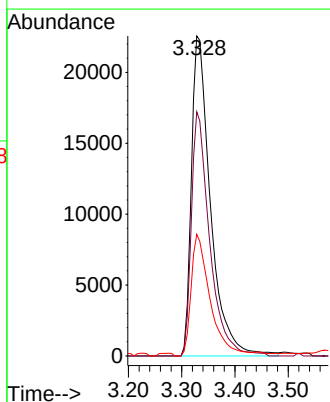
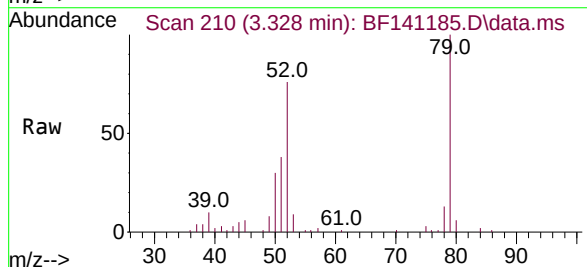
Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WASTE WATER

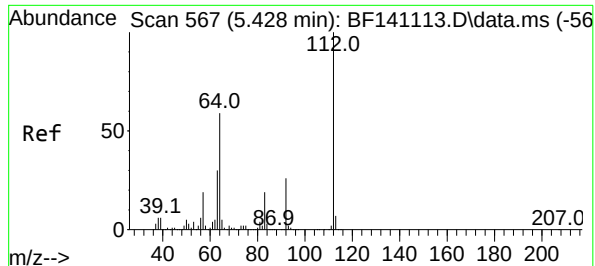
Tgt Ion:152 Resp: 164057  
Ion Ratio Lower Upper  
152 100  
150 157.3 125.8 188.8  
115 64.9 51.4 77.2



#3  
Pyridine  
Concen: 4.842 ng  
RT: 3.328 min Scan# 210  
Delta R.T. 0.047 min  
Lab File: BF141185.D  
Acq: 16 Jan 2025 15:13

Tgt Ion: 79 Resp: 56154  
Ion Ratio Lower Upper  
79 100  
52 76.3 58.9 88.3  
51 38.0 29.1 43.7

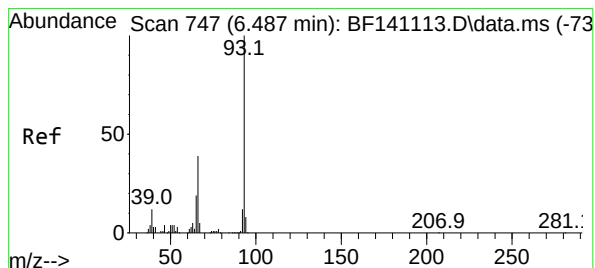
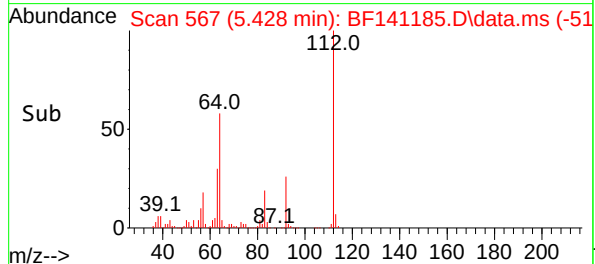
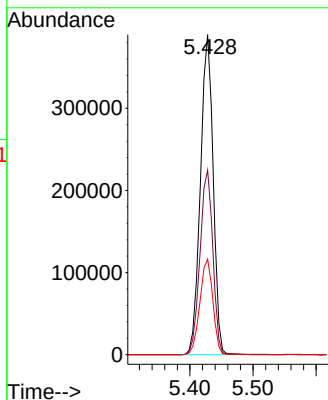
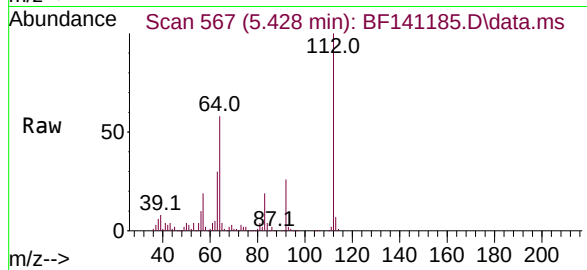




#5  
2-Fluorophenol  
Concen: 51.623 ng  
RT: 5.428 min Scan# 501  
Delta R.T. 0.000 min  
Lab File: BF141185.D  
Acq: 16 Jan 2025 15:13

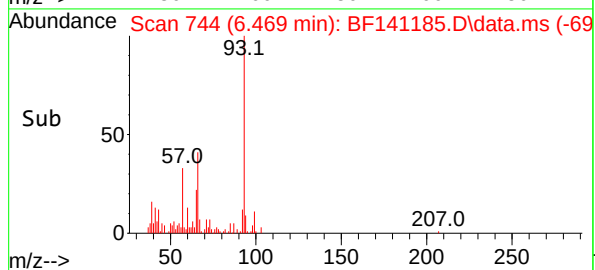
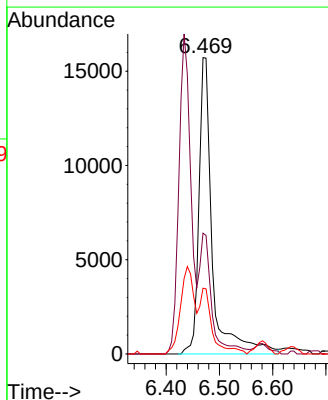
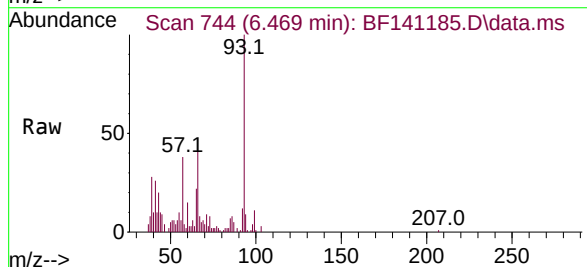
Instrument :  
BNA\_F  
ClientSampleId :  
EFF-WASTE WATER

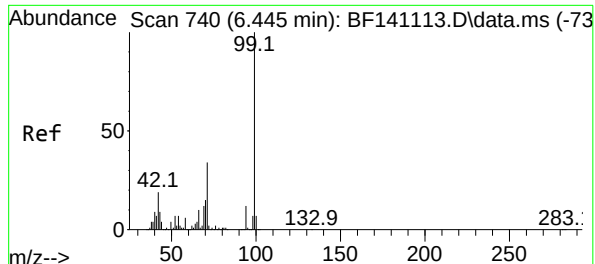
Tgt Ion:112 Resp: 548229  
Ion Ratio Lower Upper  
112 100  
64 57.7 47.3 70.9  
63 29.9 24.2 36.2



#6  
Aniline  
Concen: 2.307 ng  
RT: 6.469 min Scan# 744  
Delta R.T. -0.018 min  
Lab File: BF141185.D  
Acq: 16 Jan 2025 15:13

Tgt Ion: 93 Resp: 27548  
Ion Ratio Lower Upper  
93 100  
66 40.8 31.5 47.3  
65 22.2 15.3 22.9





#7

Phenol-d6

Concen: 32.630 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF141185.D

Acq: 16 Jan 2025 15:13

Instrument :

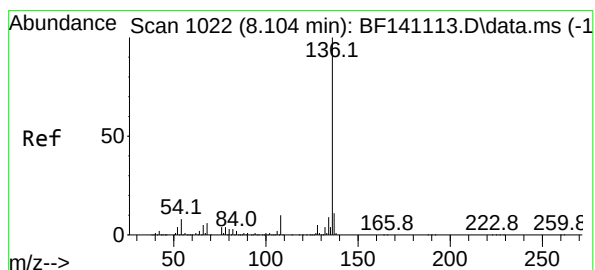
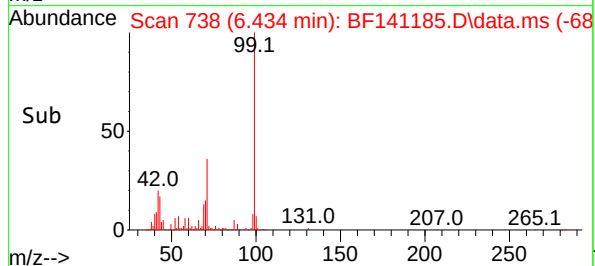
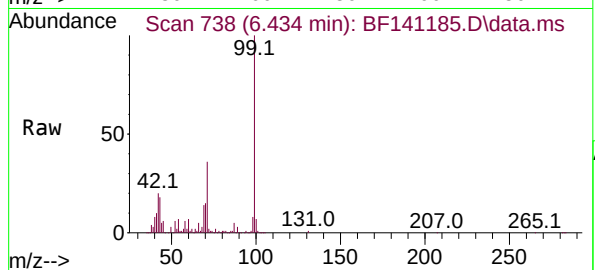
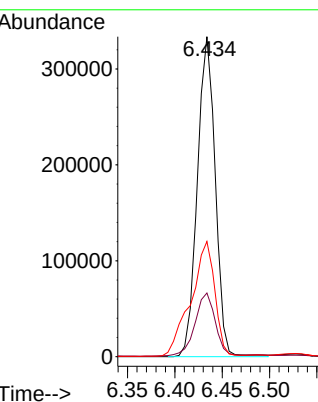
BNA\_F

ClientSampleId :

EFF-WASTE WATER

Tgt Ion: 99 Resp: 438947

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.9  | 15.0  | 22.4  |
| 71  | 36.0  | 27.6  | 41.4  |



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.093 min Scan# 1020

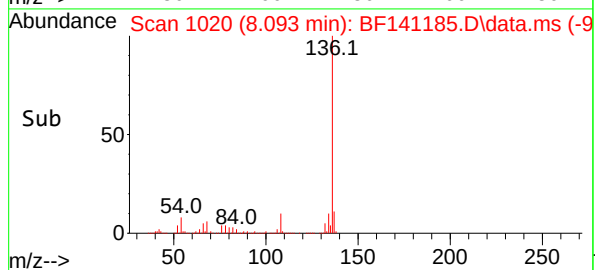
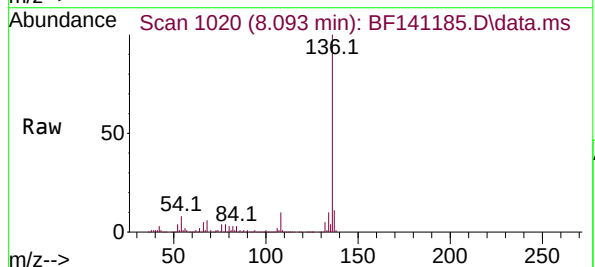
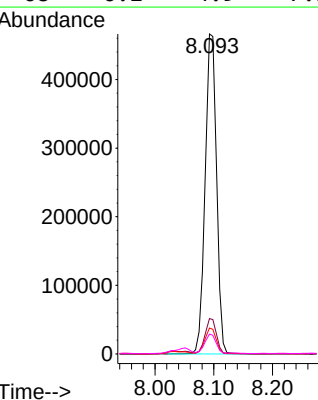
Delta R.T. -0.012 min

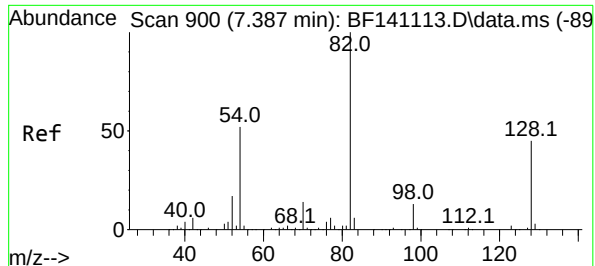
Lab File: BF141185.D

Acq: 16 Jan 2025 15:13

Tgt Ion: 136 Resp: 629793

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.8   | 13.2  |
| 54  | 8.1   | 6.3   | 9.5   |
| 68  | 6.2   | 4.9   | 7.3   |





#23

Nitrobenzene-d5

Concen: 97.343 ng

RT: 7.375 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141185.D

Acq: 16 Jan 2025 15:13

Instrument :

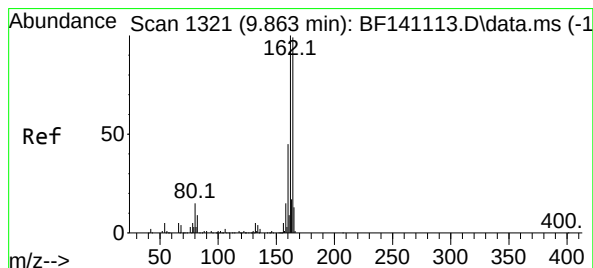
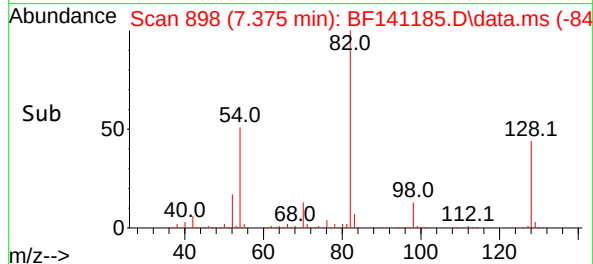
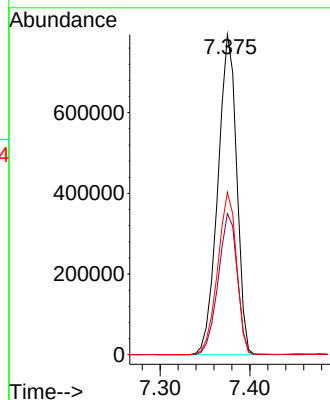
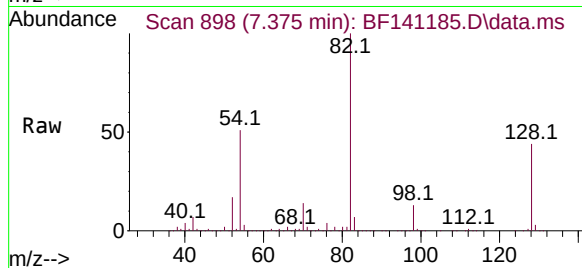
BNA\_F

ClientSampleId :

EFF-WASTE WATER

Tgt Ion: 82 Resp: 1156533

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.1  | 36.1  | 54.1  |
| 54  | 50.8  | 41.0  | 61.4  |



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 1319

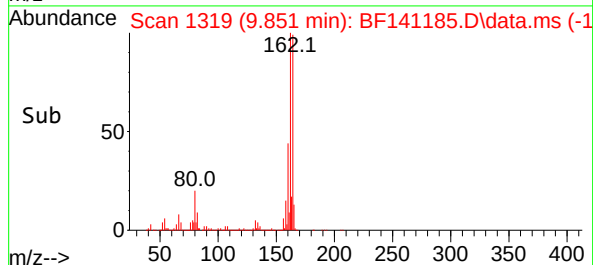
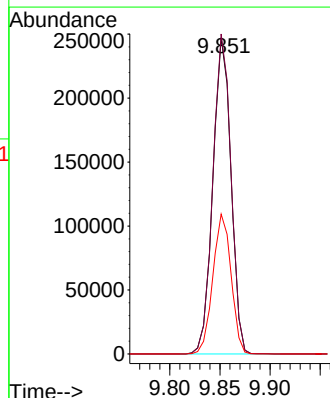
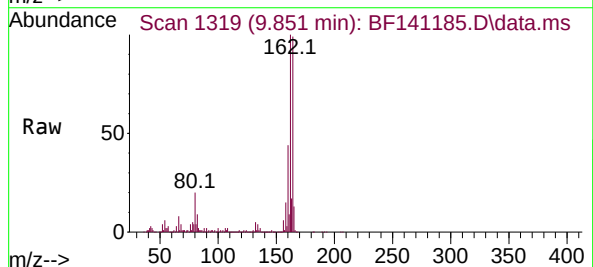
Delta R.T. -0.012 min

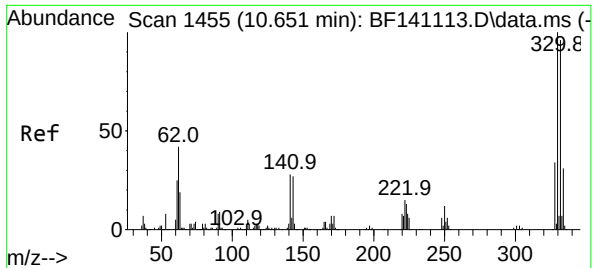
Lab File: BF141185.D

Acq: 16 Jan 2025 15:13

Tgt Ion: 164 Resp: 310201

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 101.2 | 81.0  | 121.4 |
| 160 | 44.2  | 36.1  | 54.1  |





#42

2,4,6-Tribromophenol

Concen: 76.701 ng

RT: 10.639 min Scan# 1455

Delta R.T. -0.012 min

Lab File: BF141185.D

Acq: 16 Jan 2025 15:13

Instrument :

BNA\_F

ClientSampleId :

EFF-WASTE WATER

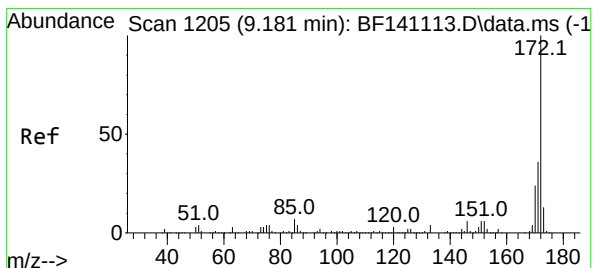
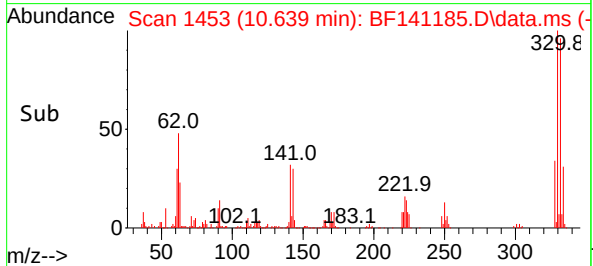
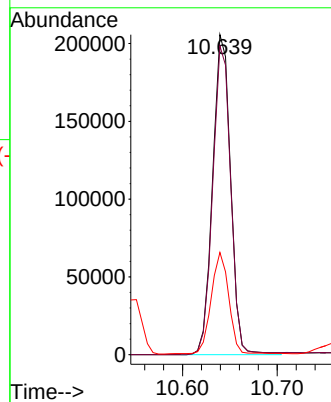
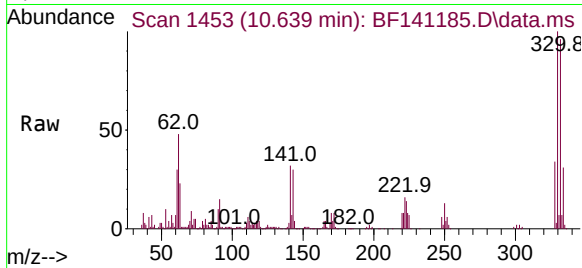
Tgt Ion:330 Resp: 271101

Ion Ratio Lower Upper

330 100

332 96.3 76.9 115.3

141 31.3 25.2 37.8



#45

2-Fluorobiphenyl

Concen: 99.826 ng

RT: 9.175 min Scan# 1204

Delta R.T. -0.006 min

Lab File: BF141185.D

Acq: 16 Jan 2025 15:13

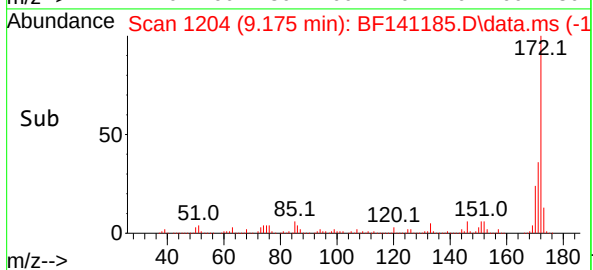
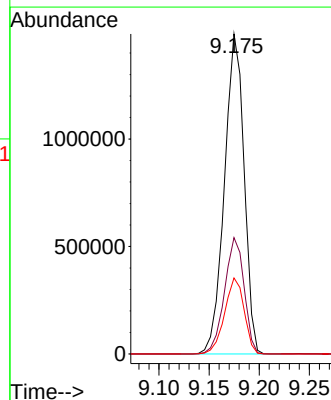
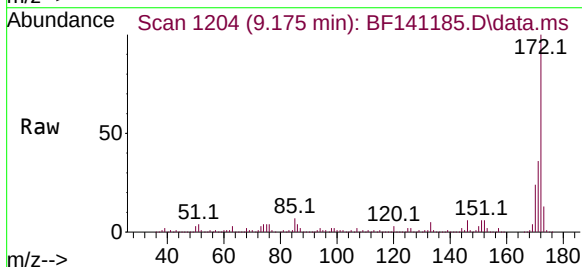
Tgt Ion:172 Resp: 2027843

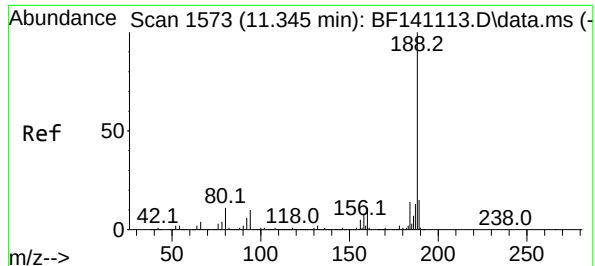
Ion Ratio Lower Upper

172 100

171 36.4 28.7 43.1

170 23.7 19.0 28.6





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.345 min Scan# 1573

Delta R.T. 0.000 min

Lab File: BF141185.D

Acq: 16 Jan 2025 15:13

Instrument :

BNA\_F

ClientSampleId :

EFF-WASTE WATER

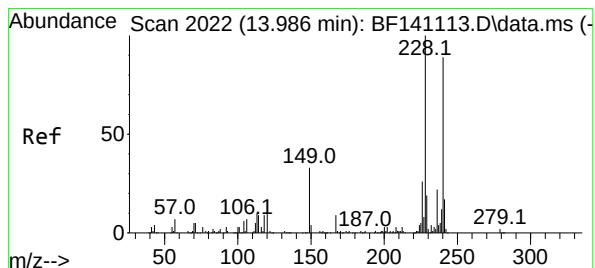
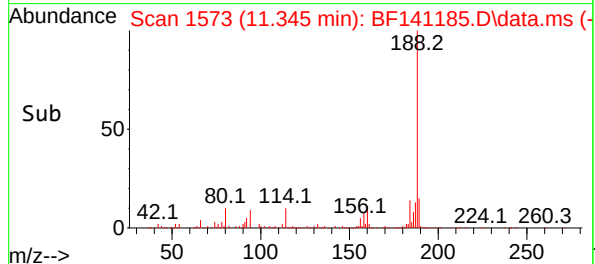
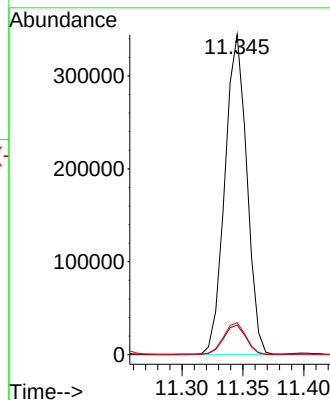
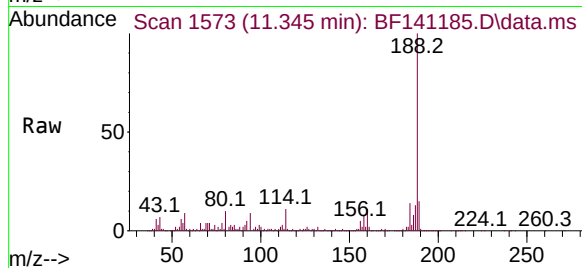
Tgt Ion:188 Resp: 432821

Ion Ratio Lower Upper

188 100

94 9.3 8.3 12.5

80 10.0 9.0 13.4



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.986 min Scan# 2022

Delta R.T. 0.000 min

Lab File: BF141185.D

Acq: 16 Jan 2025 15:13

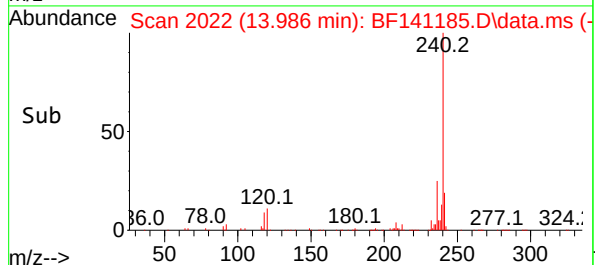
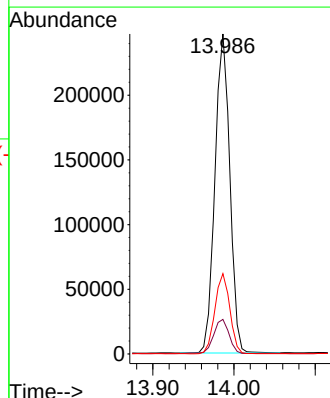
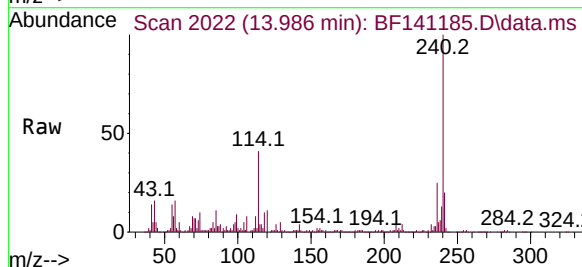
Tgt Ion:240 Resp: 314115

Ion Ratio Lower Upper

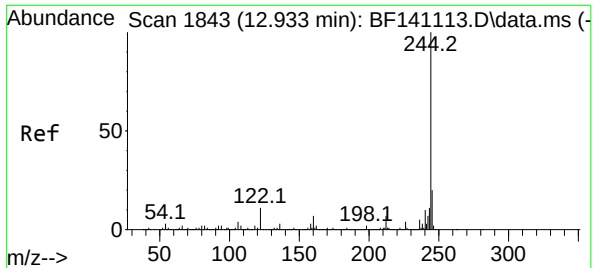
240 100

120 10.8 9.1 13.7

236 25.1 19.8 29.6







#79

Terphenyl-d14

Concen: 81.446 ng

RT: 12.939 min Scan# 1843

Delta R.T. 0.006 min

Lab File: BF141185.D

Acq: 16 Jan 2025 15:13

Instrument :

BNA\_F

ClientSampleId :

EFF-WASTE WATER

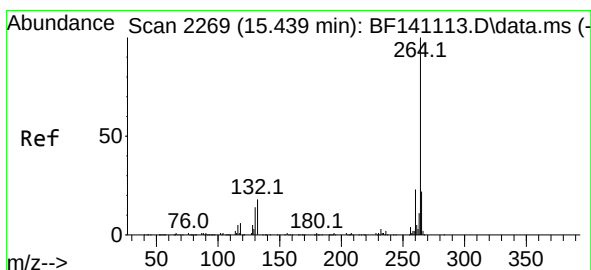
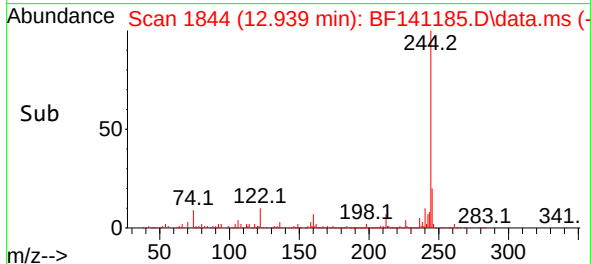
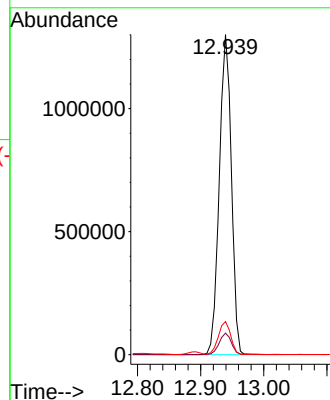
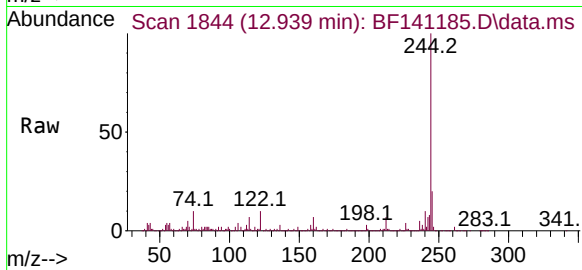
Tgt Ion:244 Resp: 1721278

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 10.4 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: BF141185.D

Acq: 16 Jan 2025 15:13

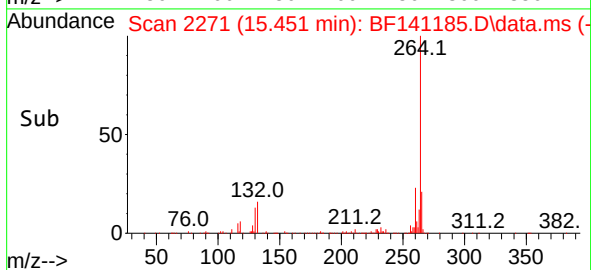
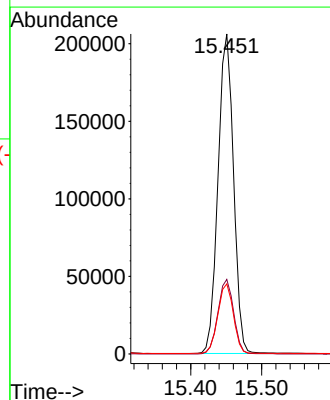
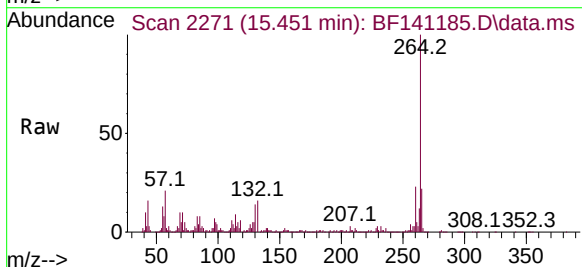
Tgt Ion:264 Resp: 311041

Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 21.9 17.4 26.0





# CALIBRATION SUMMARY

6C

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ARDM01  
 Lab Code: CHEM Case No.: Q1066 SAS No.: Q1066 SDG No.: Q1066  
 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 |
| n-Nitrosodimethylamine      |        | 0.716               | 0.715  | 0.709  | 0.678               | 0.688  | 0.691               | 3.7   |
| 2-Fluorophenol              |        | 1.453               | 1.400  | 1.378  | 1.248               | 1.236  | 1.295               | 9.1   |
| 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   |
| 2,2-oxybis(1-Chloropropane) |        | 2.046               | 1.913  | 1.939  | 1.766               | 1.746  | 1.826               | 7.8   |
| 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   |
| 1,2,4-Trichlorobenzene      |        | 0.356               | 0.344  | 0.348  | 0.314               | 0.317  | 0.328               | 6.5   |
| Naphthalene                 |        | 1.178               | 1.126  | 1.131  | 0.998               | 1.023  | 1.055               | 8.6   |
| Hexachlorobutadiene         |        | 0.213               | 0.207  | 0.208  | 0.188               | 0.194  | 0.197               | 6.2   |
| 4-Chloro-3-methylphenol     |        | 0.331               | 0.322  | 0.327  | 0.302               | 0.313  | 0.313               | 4.4   |
| 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-Chloronaphthalene         |        | 1.345               | 1.288  | 1.273  | 1.164               | 1.174  | 1.210               | 7.8   |
| 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   |
| 2,6-Dinitrotoluene          |        | 0.308               | 0.317  | 0.328  | 0.312               | 0.315  | 0.312               | 3.3   |
| 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   |
| 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  |

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



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: ARDM01  
 Lab Code: CHEM Case No.: Q1066 SAS No.: Q1066 SDG No.: Q1066  
 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 |
| 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   |
| Azobenzene                 |        | 1.430               | 1.363  | 1.353  | 1.245               | 1.264  | 1.293               | 7.1   |
| 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   |
| 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   |
| 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   |
| Benzidine                  |        | 0.380               | 0.309  | 0.310  | 0.409               | 0.340  | 0.371               | 13.8  |
| 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   |
| 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   |

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

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 =BF1411109.D 5 =BF1411110.D 10 =BF1411111.D 20 =BF1411112.D 40 =BF1411113.D 50 =BF1411117.D 60 =BF1411118.D 80 =BF1411119.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)   | Butylbenzylphth... | 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

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              |        |      |          |        |       |              |
| 19) n-Nitroso-di-n-propyla... | 7.222  | 70   | 22337    | 2.748  | ng    | Qvalue<br>98 |
| -----                         |        |      |          |        |       |              |

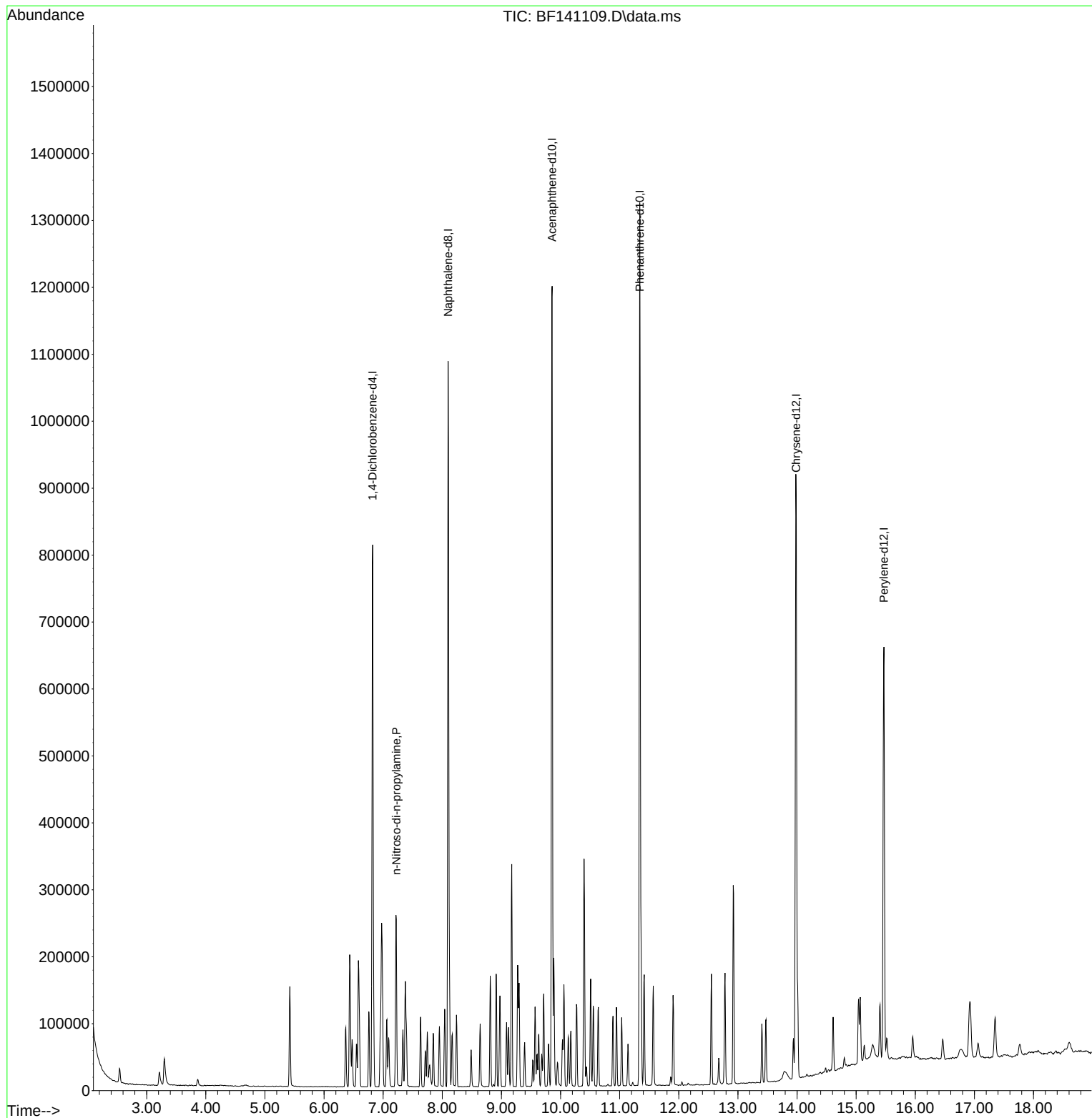
(#) = qualifier out of range (m) = manual integration (+) = signals summed

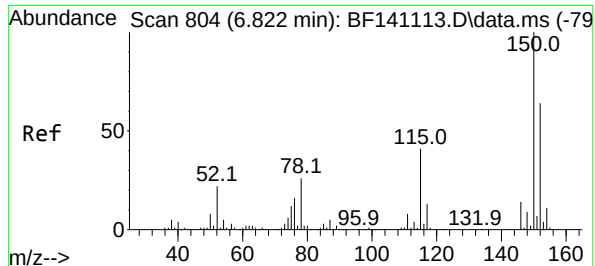


Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011025\  
Data File : BF141109.D  
Acq On : 10 Jan 2025 11:58  
Operator : RC/JU  
Sample : SSTDICC2.5  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC2.5

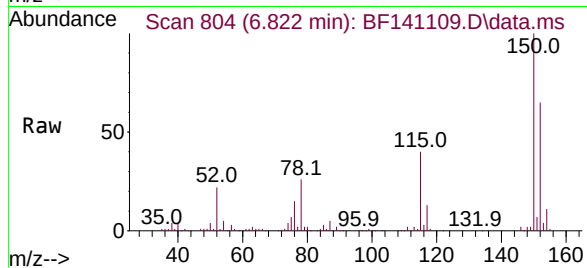
Quant Time: Jan 10 22:17:07 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 10 22:16:11 2025  
Response via : Initial Calibration



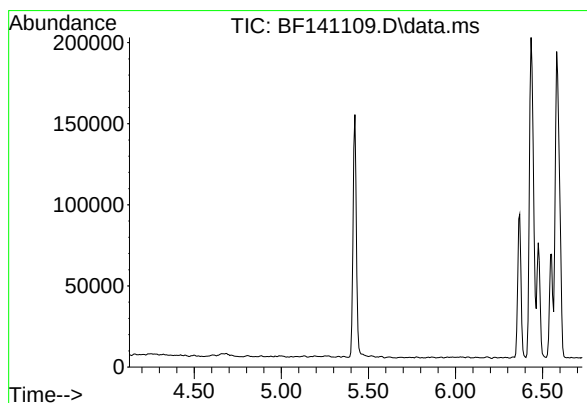
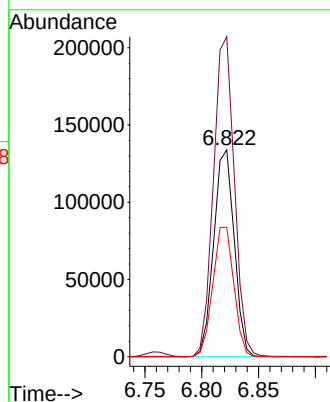
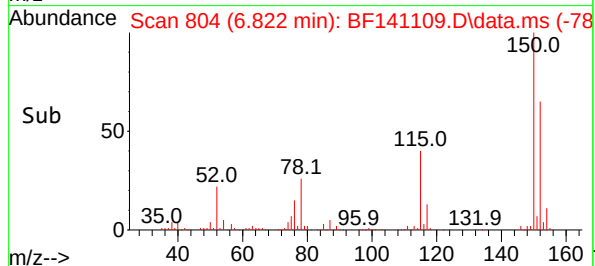


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: BF141109.D  
Acq: 10 Jan 2025 11:58

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC2.5



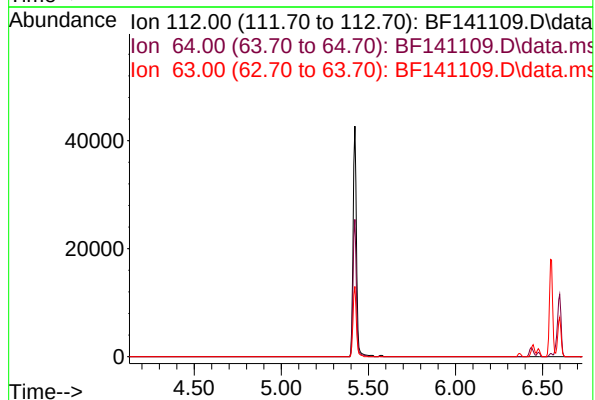
Tgt Ion:152 Resp: 168291  
Ion Ratio Lower Upper  
152 100  
150 154.7 125.8 188.8  
115 62.6 51.4 77.2

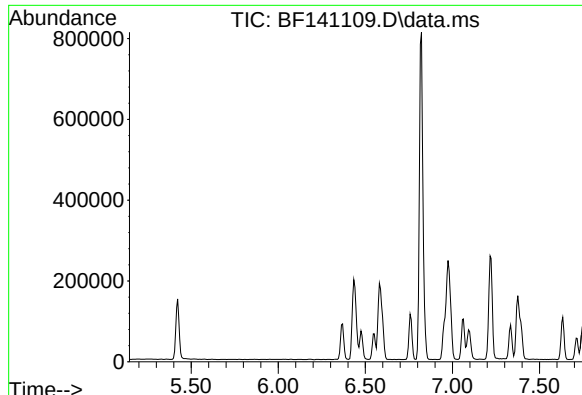


#5  
2-Fluorophenol  
Concen: 0.000 ng  
Expected RT: 5.43 min

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

Lab File: BF141109.D

Acq: 10 Jan 2025 11:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5

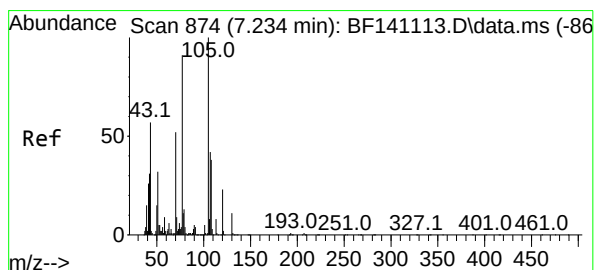
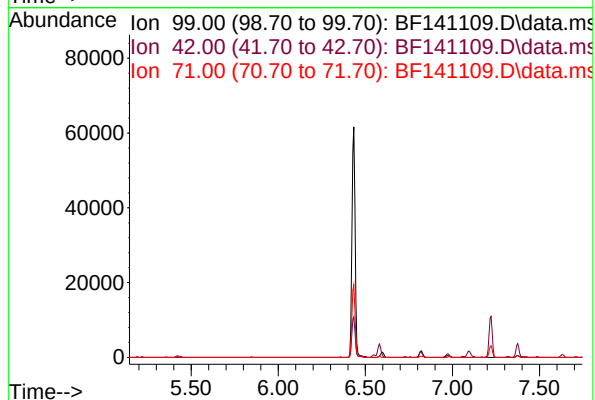
Tgt Ion: 99

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

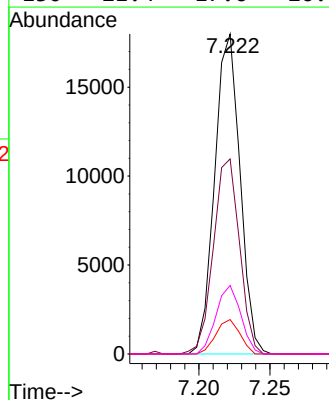
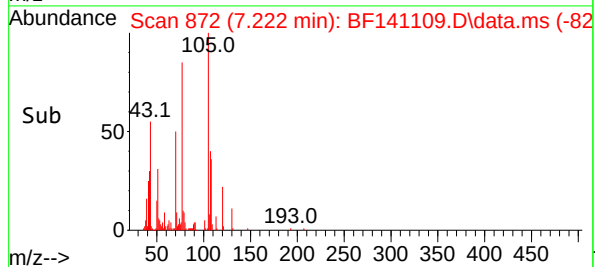
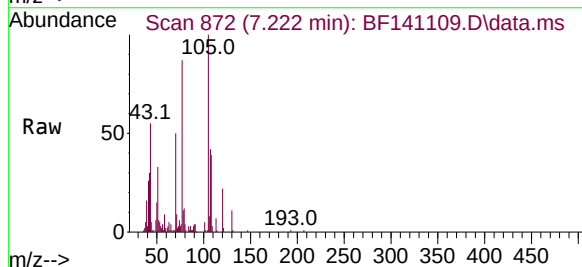
Ion Ratio Lower Upper

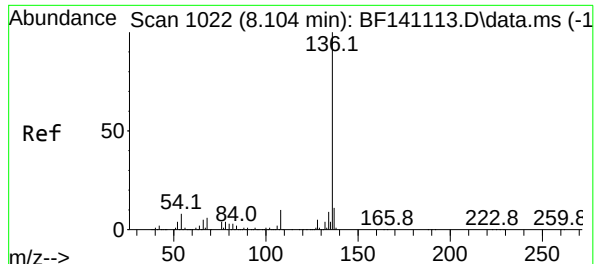
70 100

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

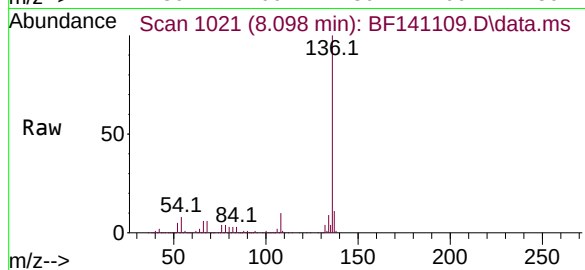
Acq: 10 Jan 2025 11:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5



Tgt Ion:136 Resp: 666433

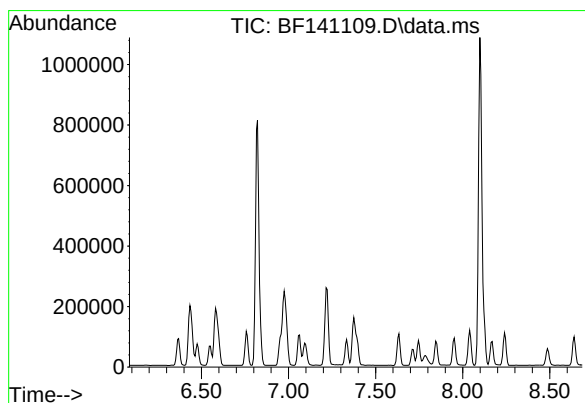
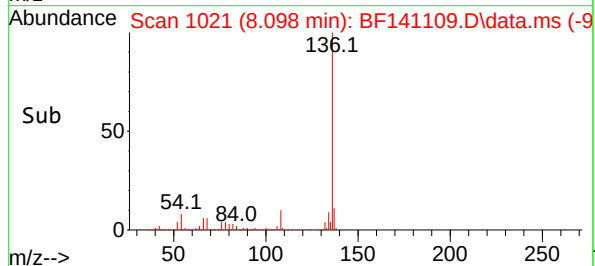
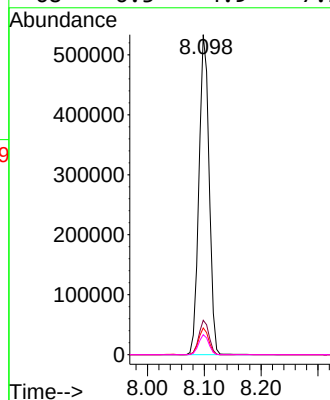
Ion Ratio Lower Upper

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

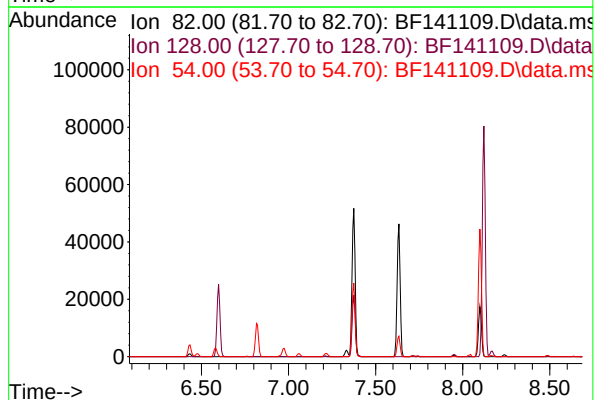
Tgt Ion: 82

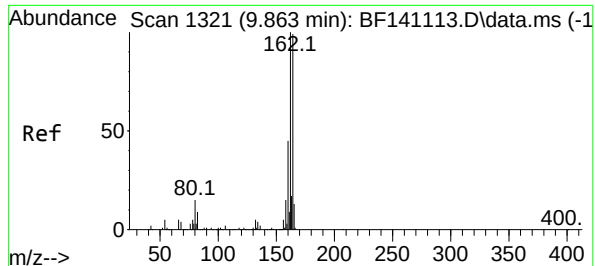
Sig Exp Ratio

82 100

128 45.1

54 51.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141109.D

Acq: 10 Jan 2025 11:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5

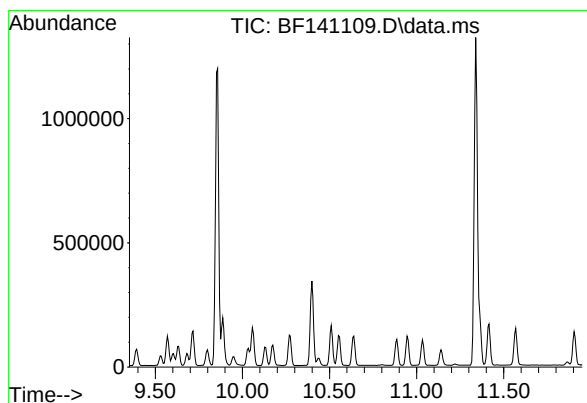
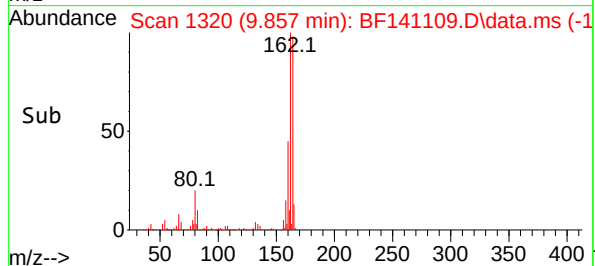
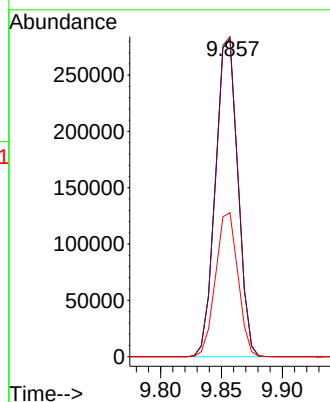
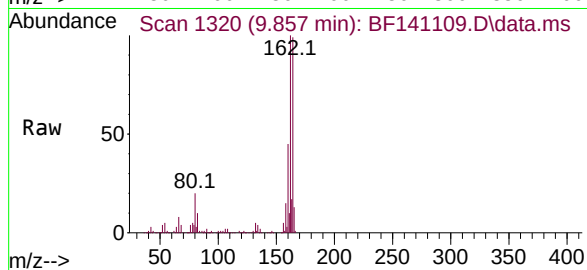
Tgt Ion:164 Resp: 361428

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

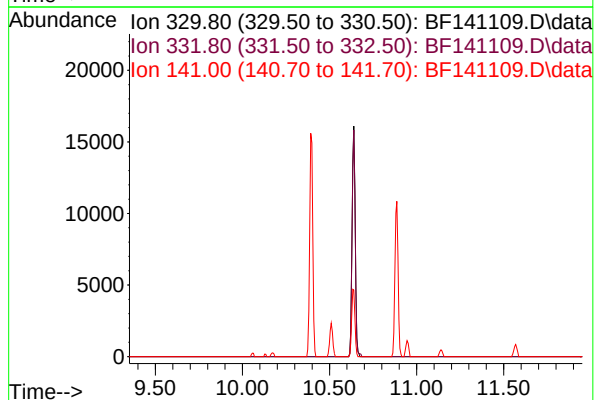
Tgt Ion: 330

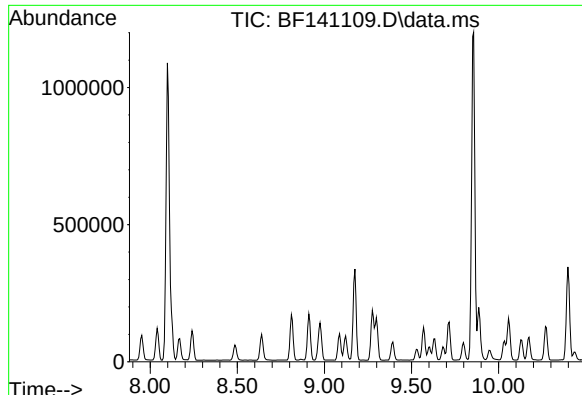
Sig Exp Ratio

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

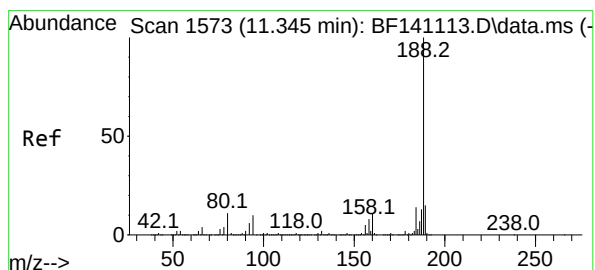
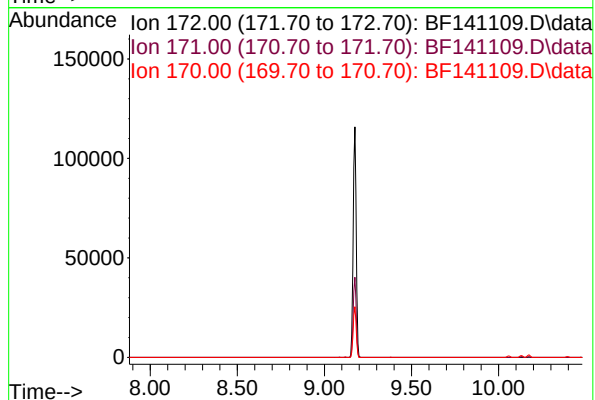
Tgt Ion: 172

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

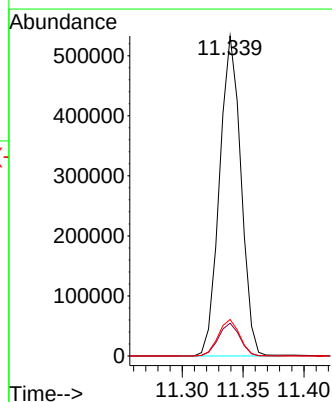
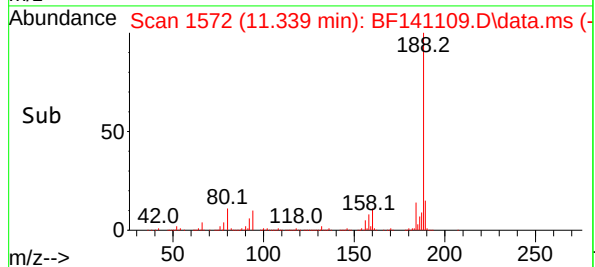
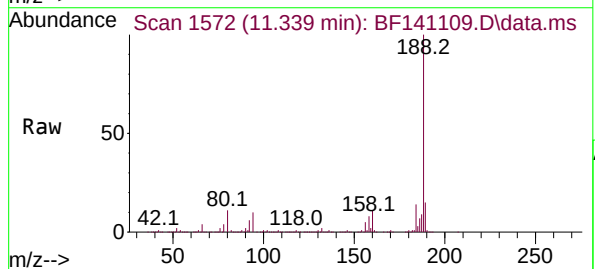
Tgt Ion:188 Resp: 653596

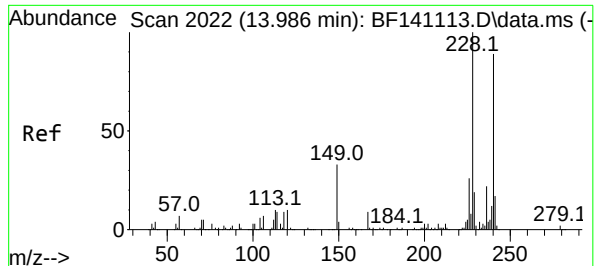
Ion Ratio Lower Upper

188 100

94 10.2 8.3 12.5

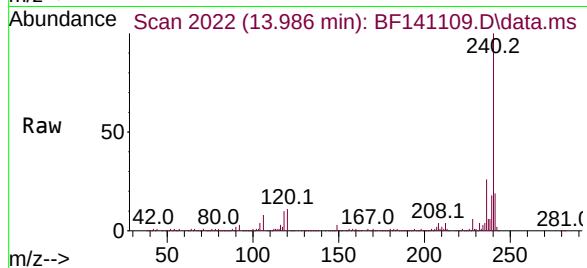
80 11.4 9.0 13.4



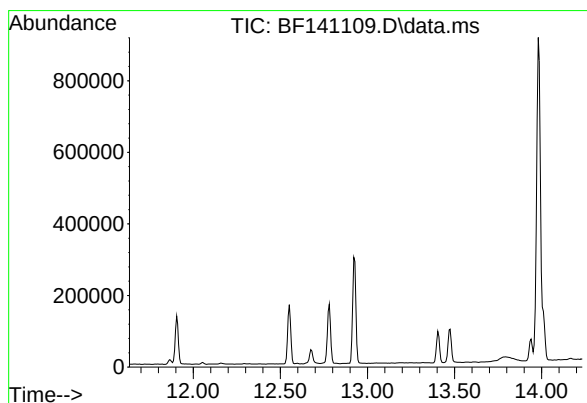
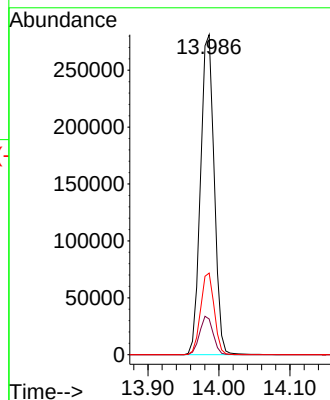
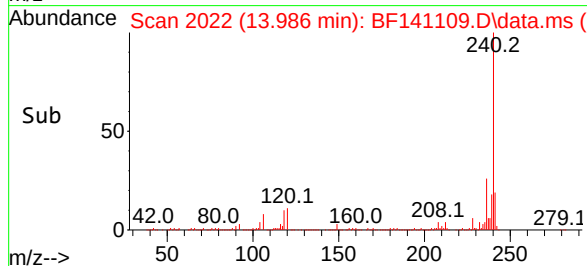


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.986 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: BF141109.D  
Acq: 10 Jan 2025 11:58

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC2.5



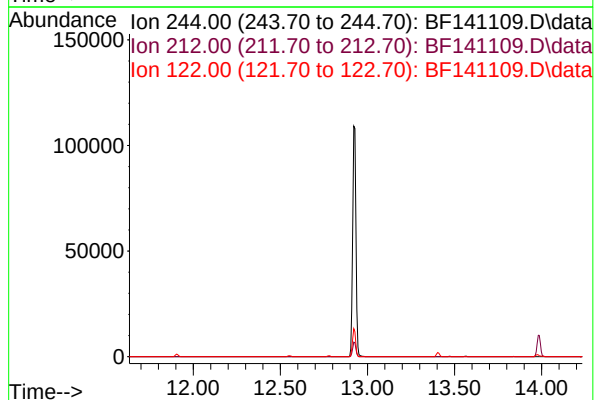
Tgt Ion:240 Resp: 377428  
Ion Ratio Lower Upper  
240 100  
120 11.1 9.1 13.7  
236 25.5 19.8 29.6



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

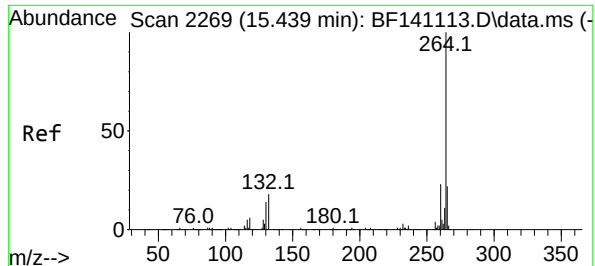
Lab File: BF141109.D  
Acq: 10 Jan 2025 11:58

Tgt Ion: 244  
Sig Exp Ratio  
244 100  
212 6.8  
122 11.0



Ion 212.00 (211.70 to 212.70): BF141109.D\data

Ion 122.00 (121.70 to 122.70): BF141109.D\data



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.468 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF141109.D

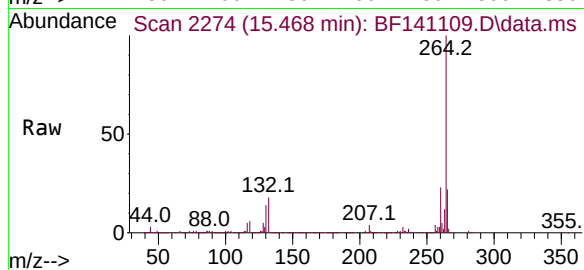
Acq: 10 Jan 2025 11:58

Instrument :

BNA\_F

ClientSampleId :

SSTDICC2.5



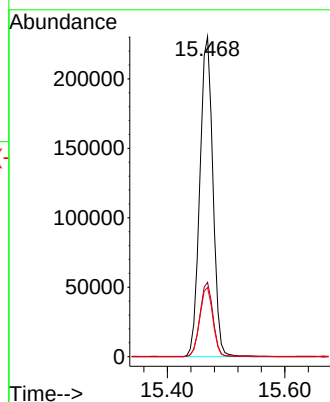
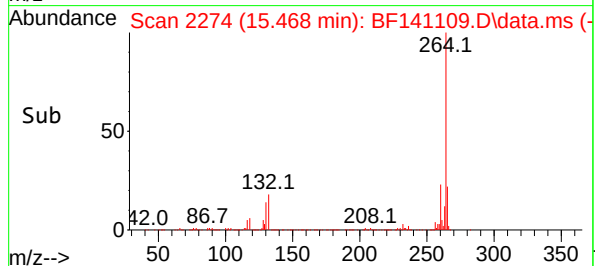
Tgt Ion:264 Resp: 355792

Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 21.6 17.4 26.0





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       |

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

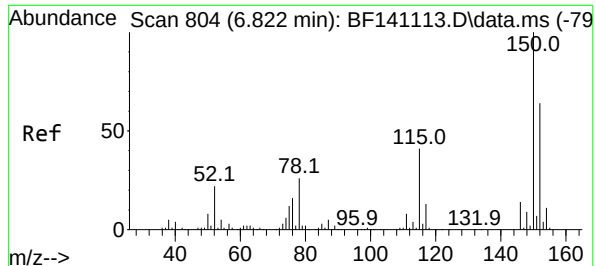
Quant Time: Jan 10 22:17:54 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 10 22:16:11 2025  
 Response via : Initial Calibration

| 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

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDICC005

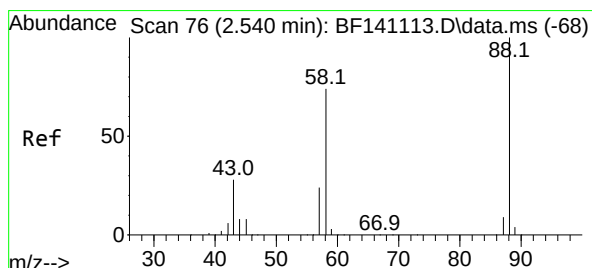
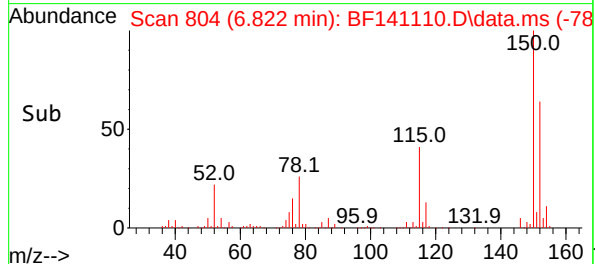
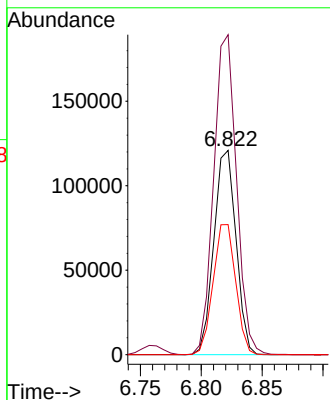
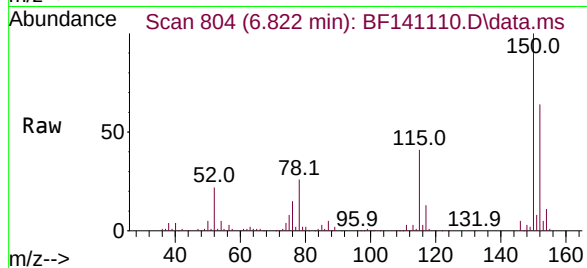
[illegible]



#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

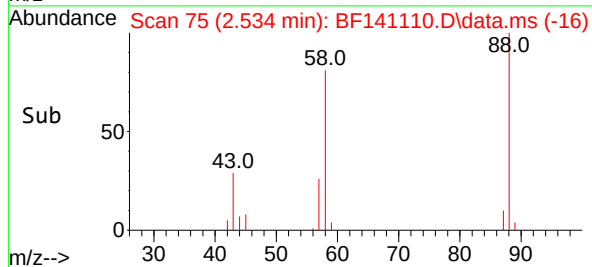
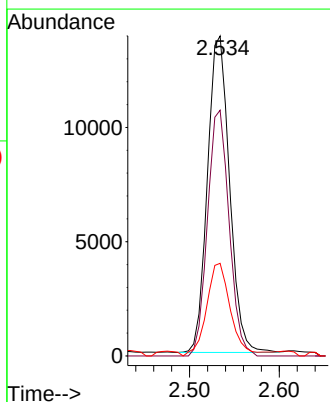
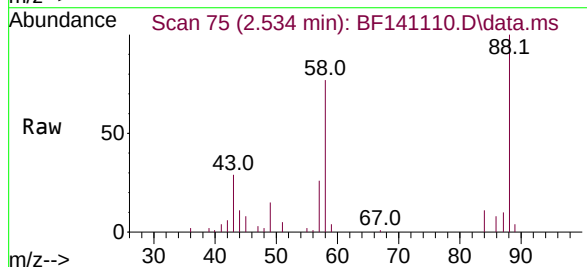
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

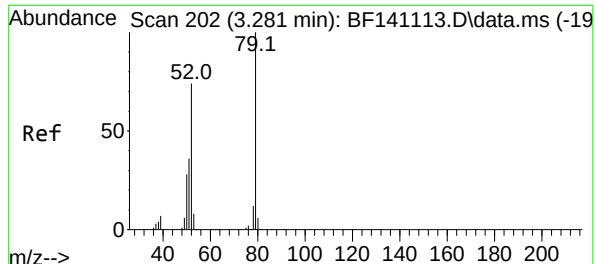
Tgt Ion:152 Resp: 153416  
Ion Ratio Lower Upper  
152 100  
150 156.7 125.8 188.8  
115 63.7 51.4 77.2



#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# 20

Delta R.T. 0.000 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

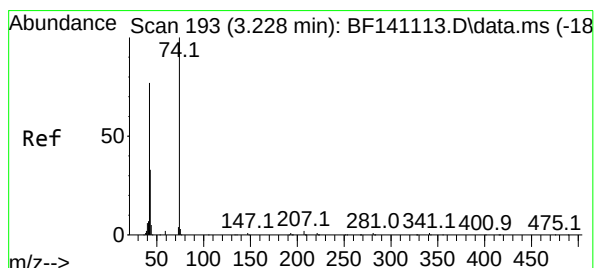
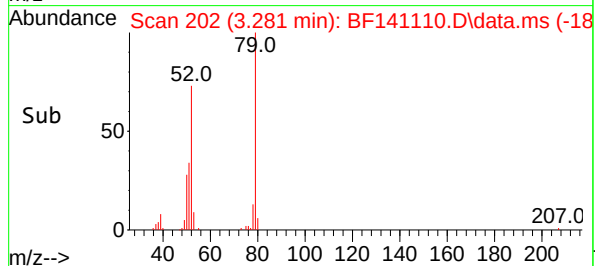
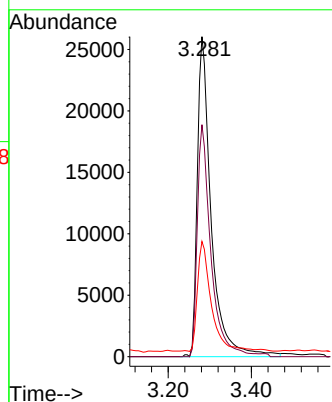
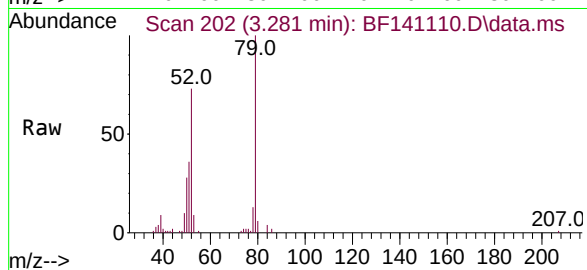
Tgt Ion: 79 Resp: 60557

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

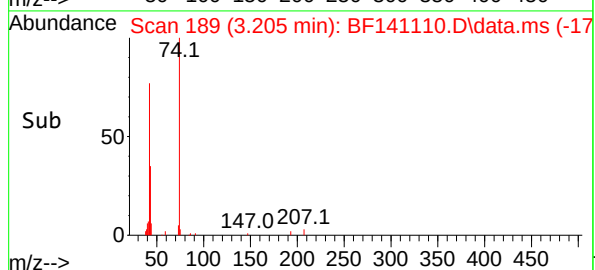
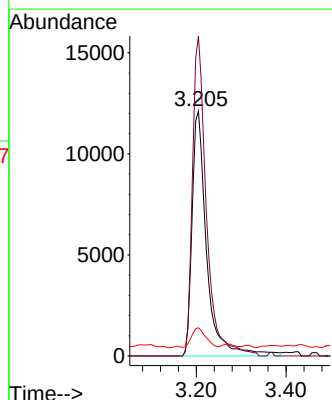
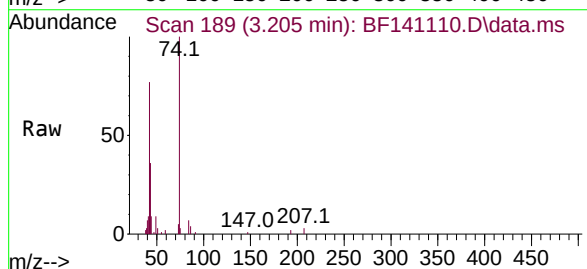
Tgt Ion: 42 Resp: 27465

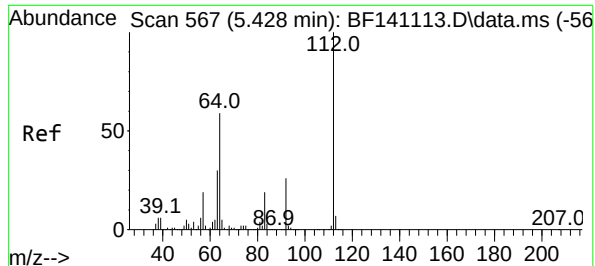
Ion Ratio Lower Upper

42 100

74 130.6 103.8 155.6

44 11.5 5.3 7.9#

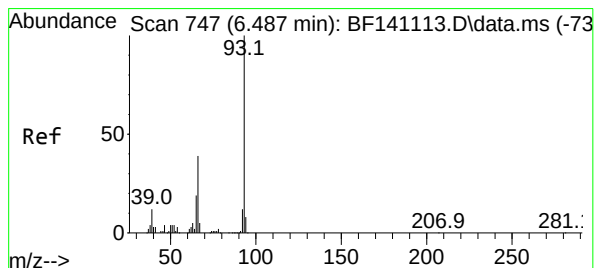
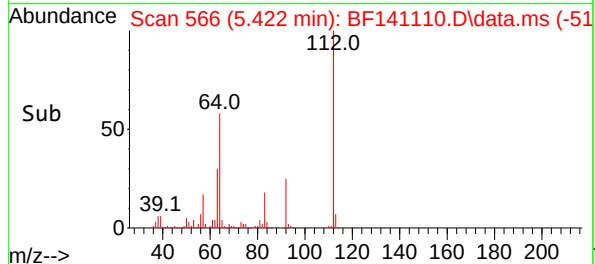
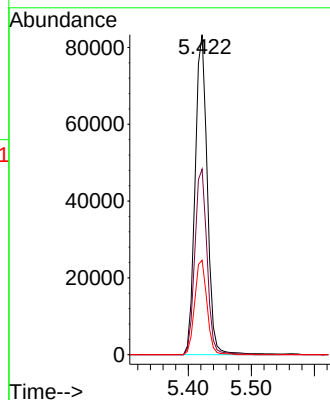
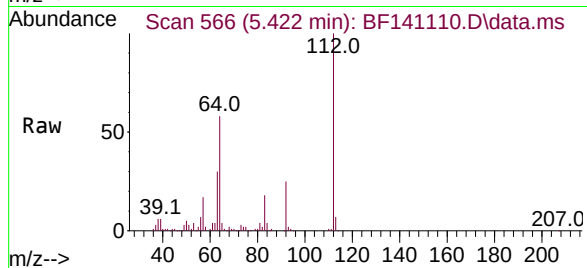




#5  
2-Fluorophenol  
Concen: 11.224 ng  
RT: 5.422 min Scan# 501  
Delta R.T. -0.006 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

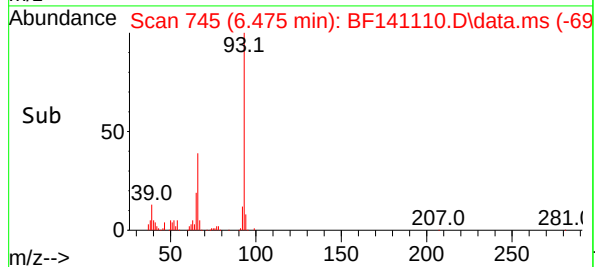
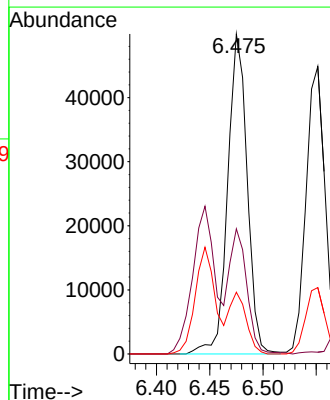
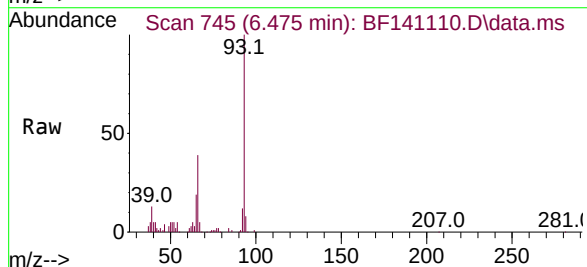
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

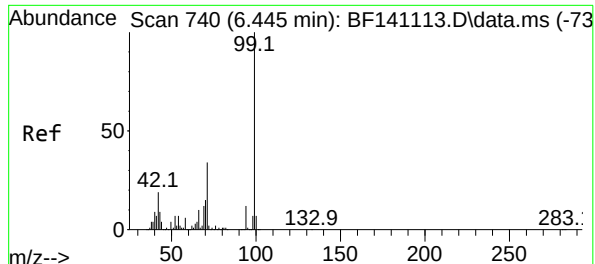
Tgt Ion:112 Resp: 111466  
Ion Ratio Lower Upper  
112 100  
64 58.0 47.3 70.9  
63 29.5 24.2 36.2



#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# 71

Delta R.T. -0.012 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

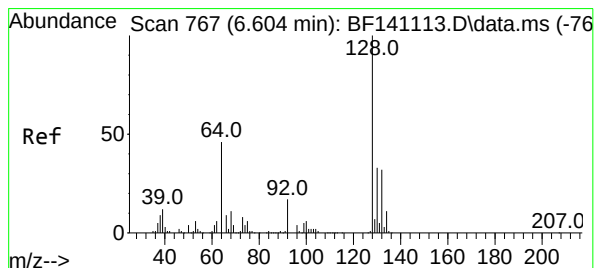
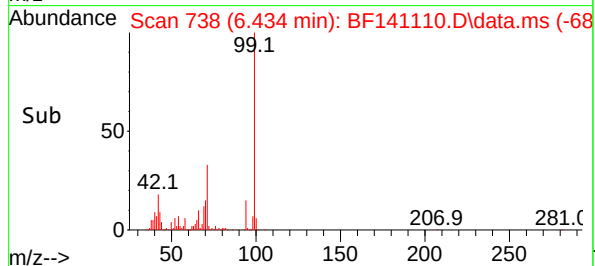
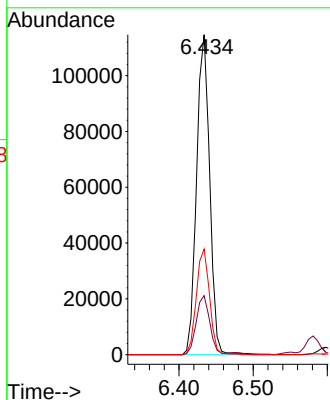
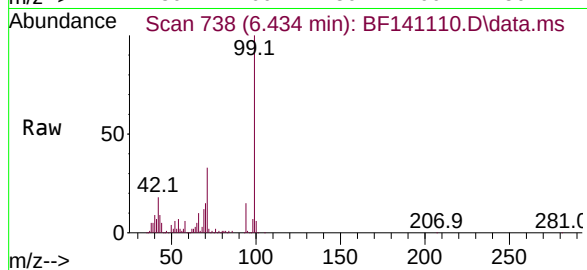
Tgt Ion: 99 Resp: 140674

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

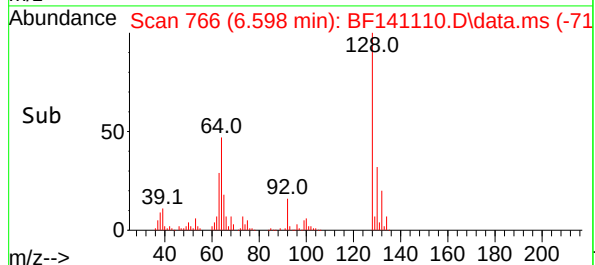
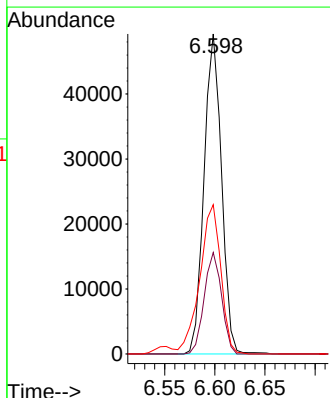
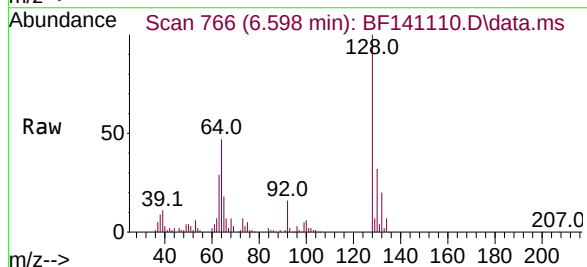
Tgt Ion: 128 Resp: 59870

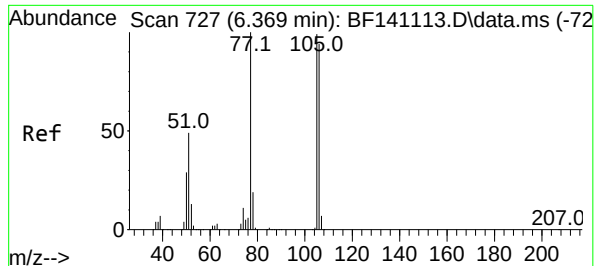
Ion Ratio Lower Upper

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# 710

Delta R.T. 0.000 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25

Instrument :

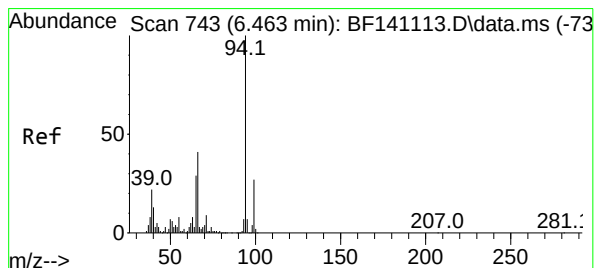
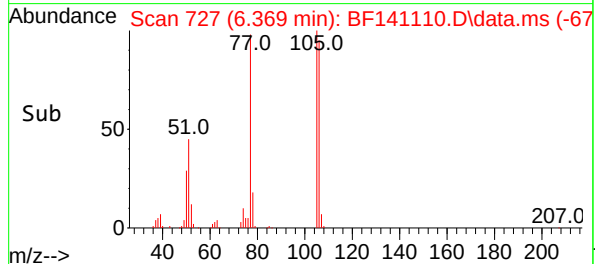
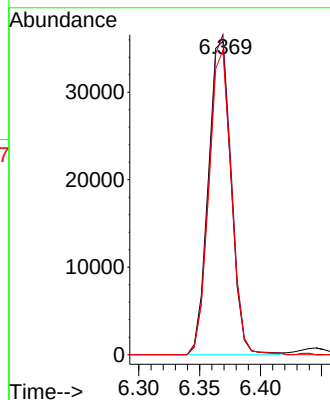
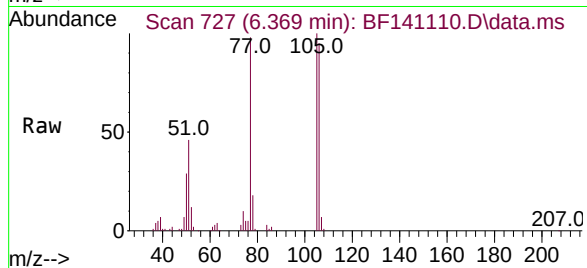
BNA\_F

ClientSampleId :

SSTDIC005

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

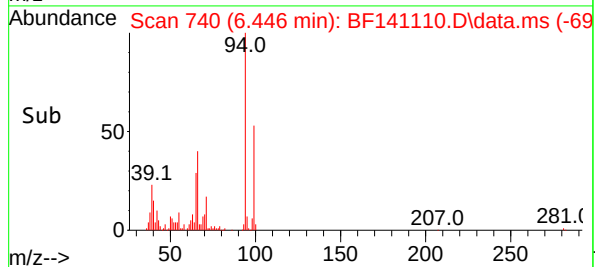
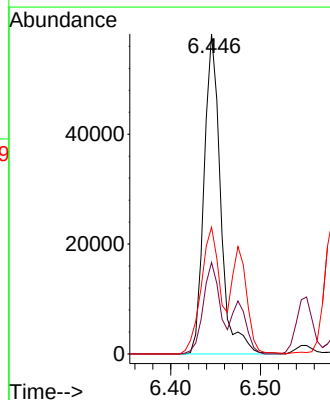
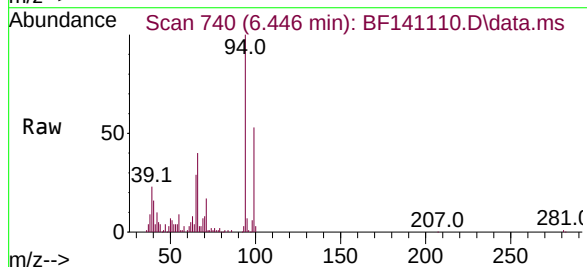
Delta R.T. -0.018 min

Lab File: BF141110.D

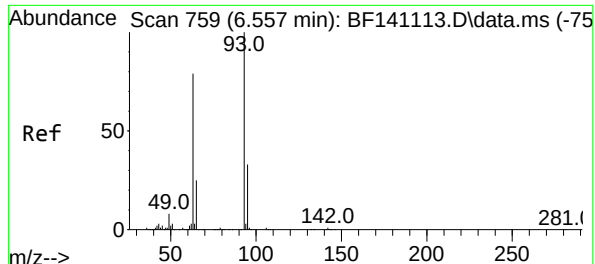
Acq: 10 Jan 2025 12:25

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# 70

Delta R.T. -0.006 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

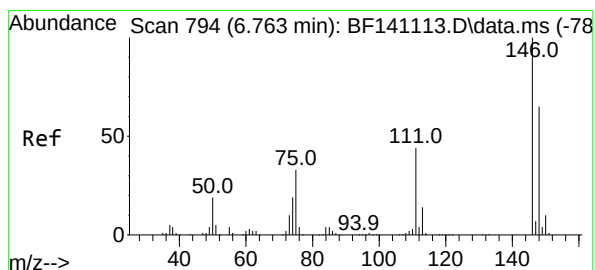
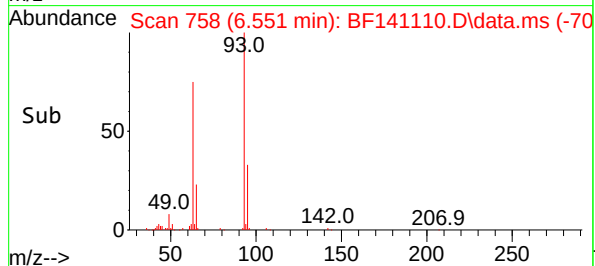
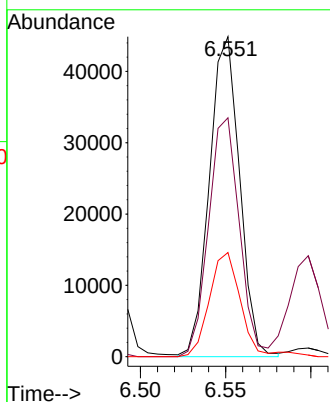
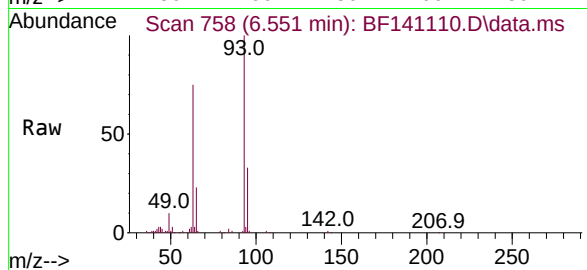
Tgt Ion: 93 Resp: 55432

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

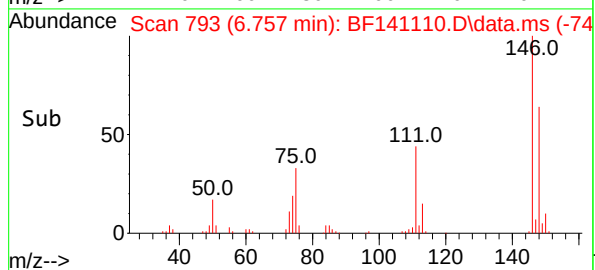
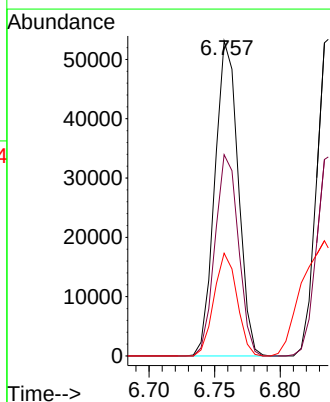
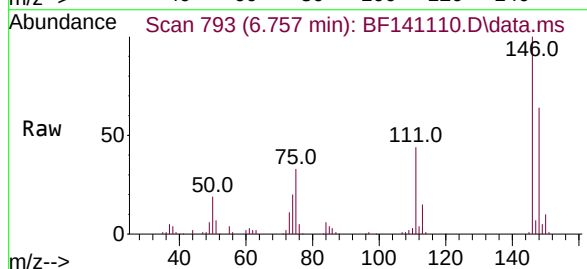
Tgt Ion: 146 Resp: 65753

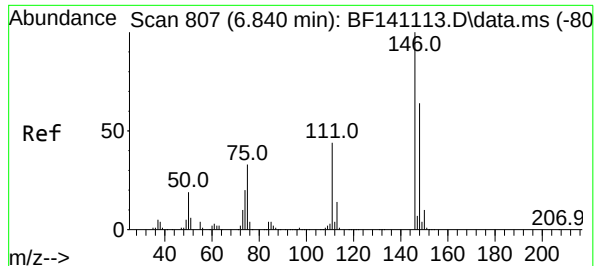
Ion Ratio Lower Upper

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# 807

Delta R.T. 0.000 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

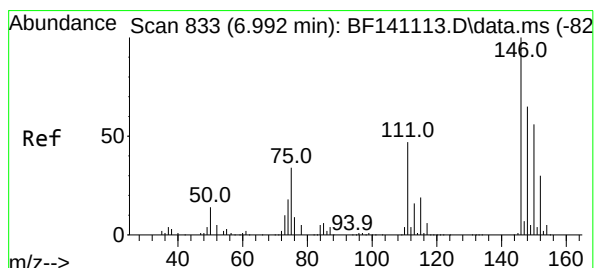
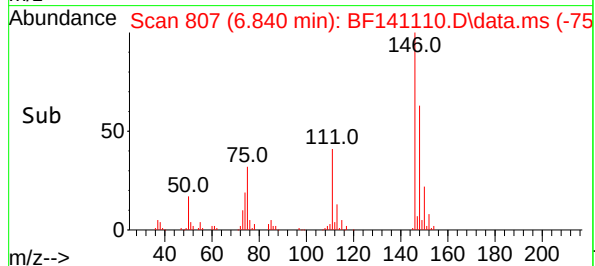
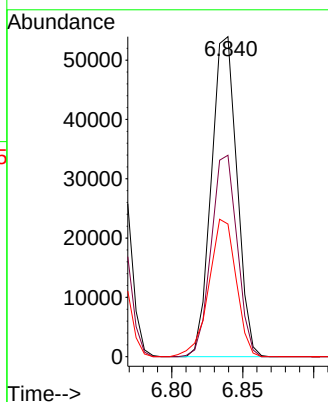
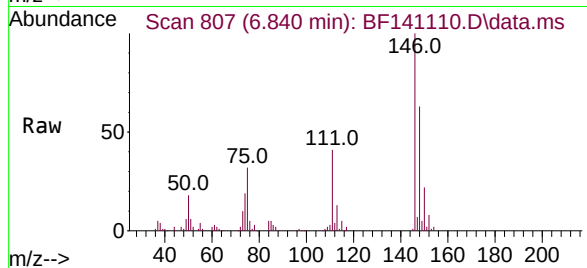
Tgt Ion:146 Resp: 67741

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

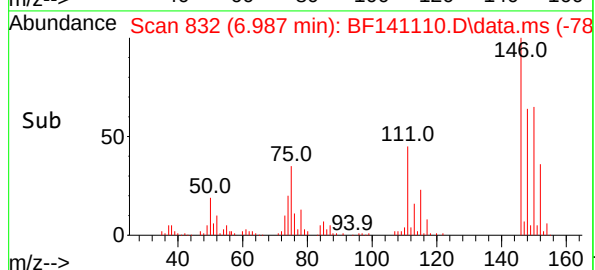
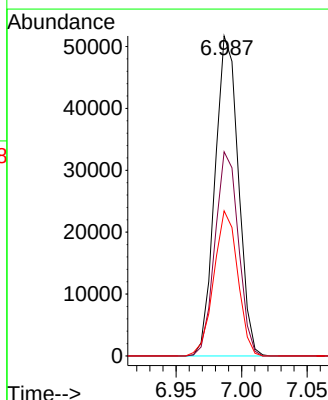
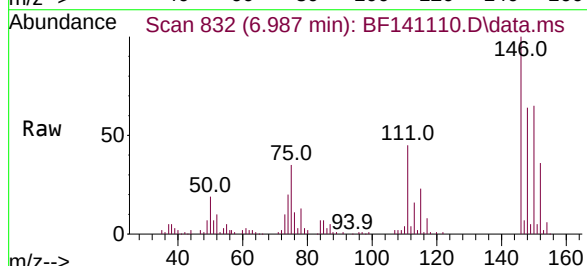
Tgt Ion:146 Resp: 64051

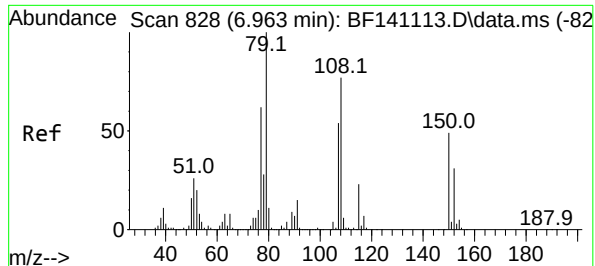
Ion Ratio Lower Upper

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# 81

Delta R.T. -0.012 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

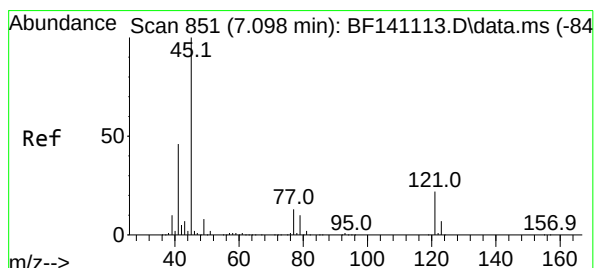
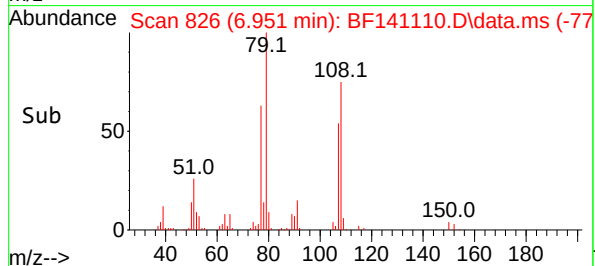
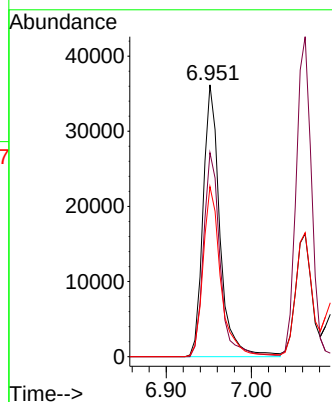
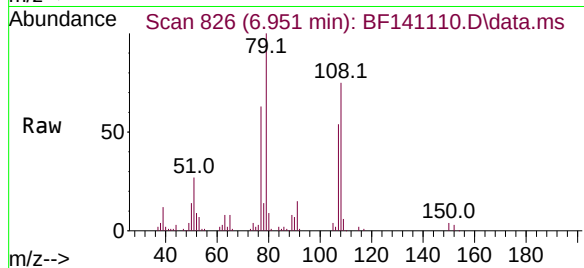
Tgt Ion: 79 Resp: 49532

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

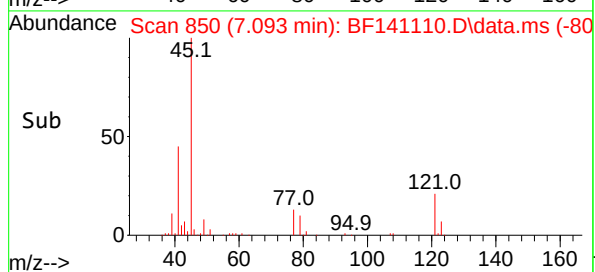
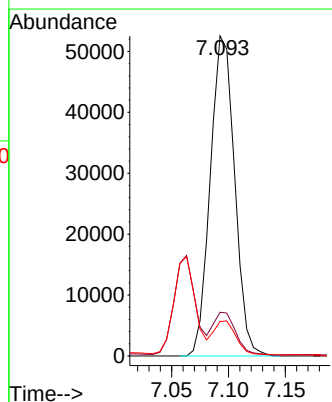
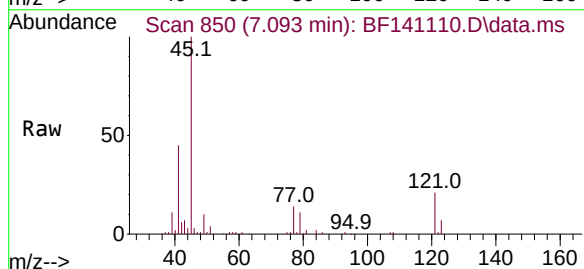
Tgt Ion: 45 Resp: 78464

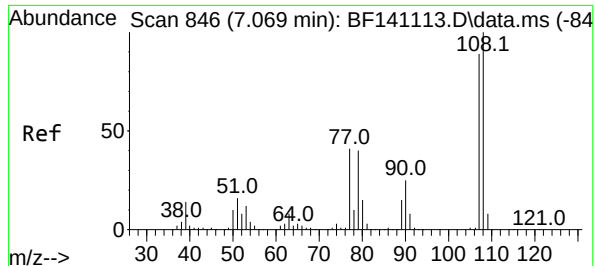
Ion Ratio Lower Upper

45 100

77 13.6 0.0 34.1

79 10.8 0.0 31.0

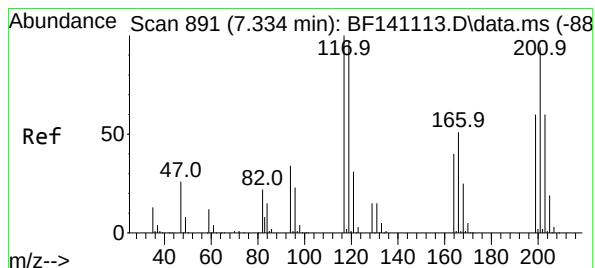
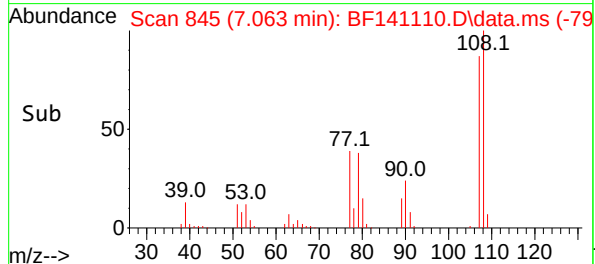
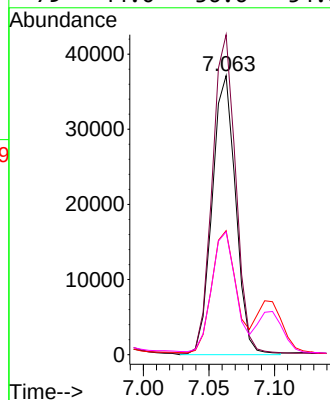
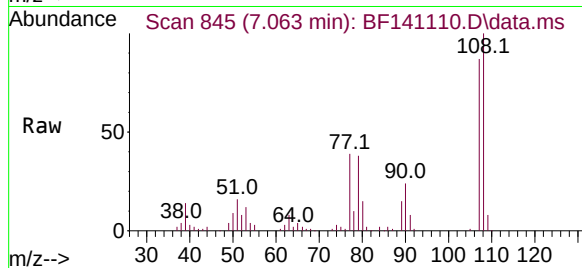




#17  
2-Methylphenol  
Concen: 5.391 ng  
RT: 7.063 min Scan# 846  
Delta R.T. -0.006 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

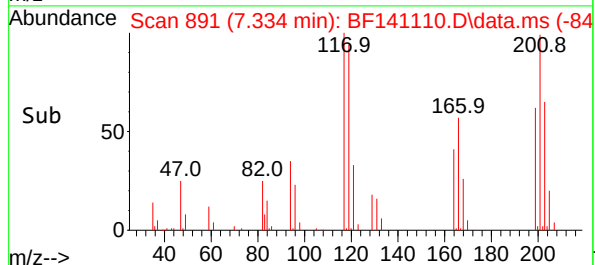
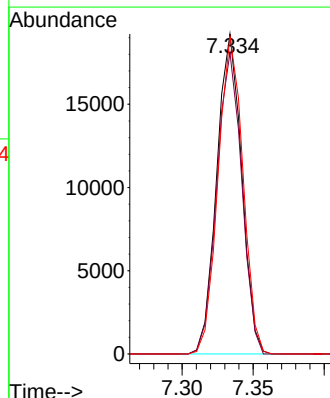
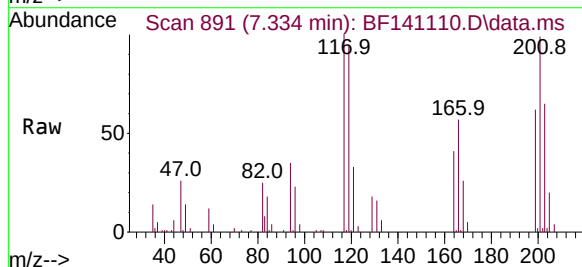
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

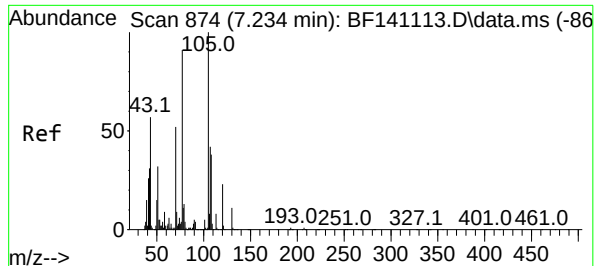
Tgt Ion:107 Resp: 46377  
Ion Ratio Lower Upper  
107 100  
108 114.7 90.1 135.1  
77 44.4 36.6 55.0  
79 44.0 36.6 54.8



#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

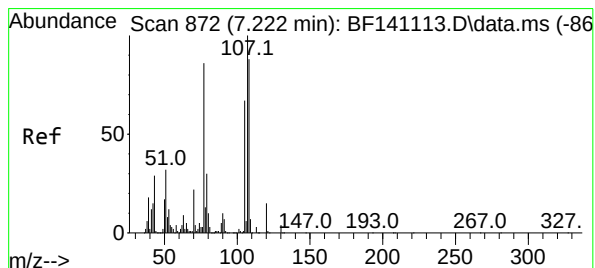
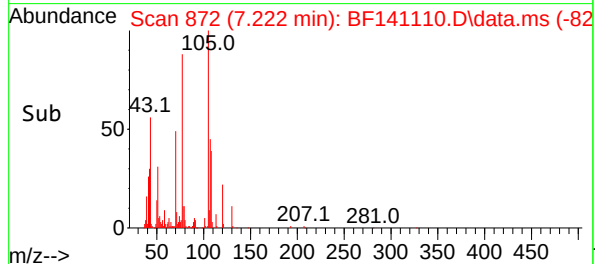
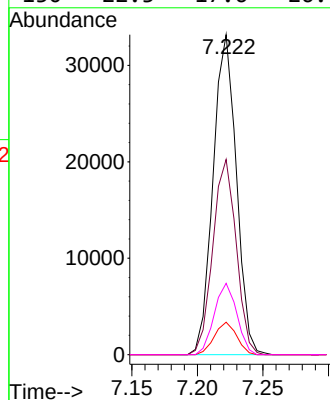
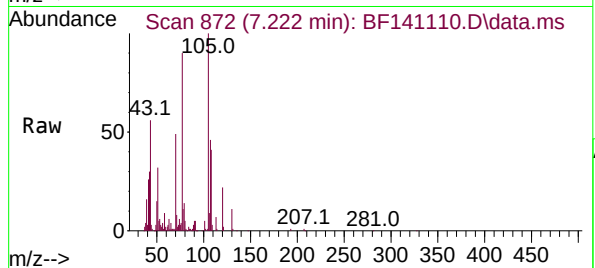




#19  
n-Nitroso-di-n-propylamine  
Concen: 5.526 ng  
RT: 7.222 min Scan# 81  
Delta R.T. -0.012 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

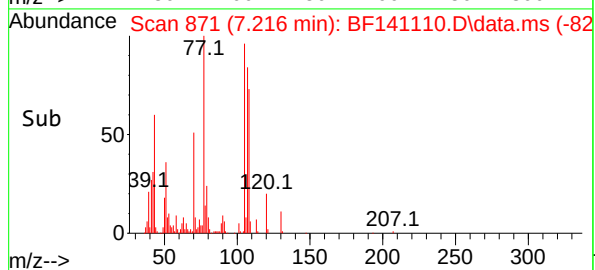
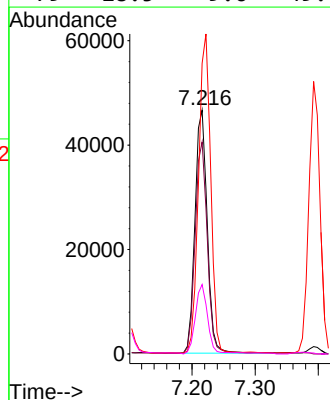
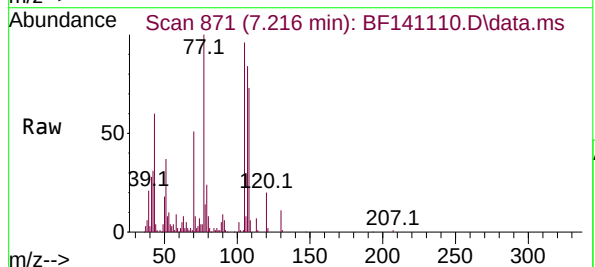
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

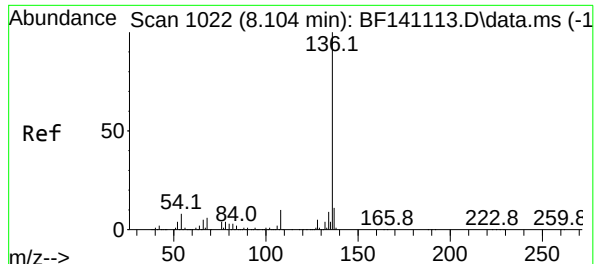
Tgt Ion: 70 Resp: 40948  
Ion Ratio Lower Upper  
70 100  
42 61.0 47.8 71.6  
101 10.2 7.9 11.9  
130 22.3 17.6 26.4



#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

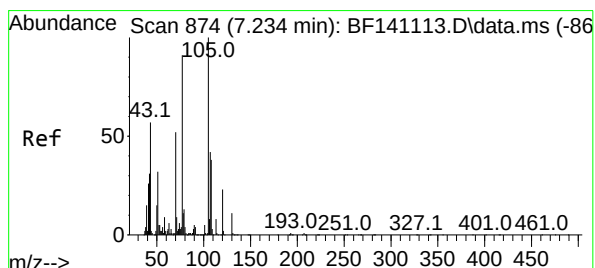
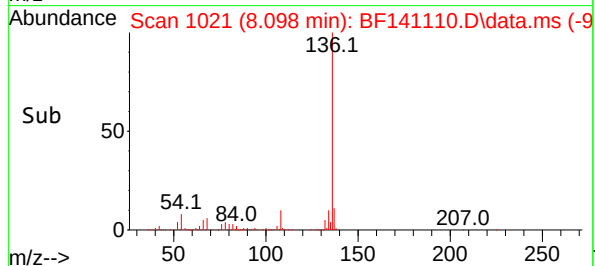
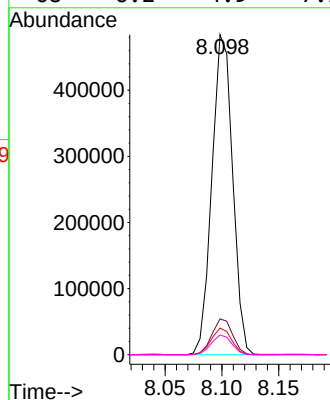
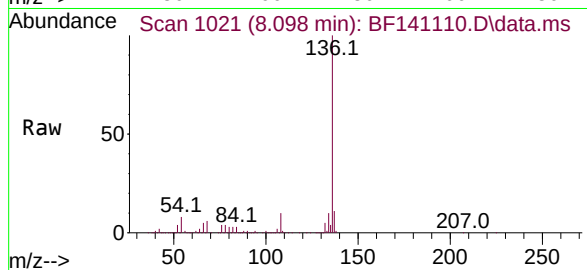
Ion Ratio Lower Upper

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

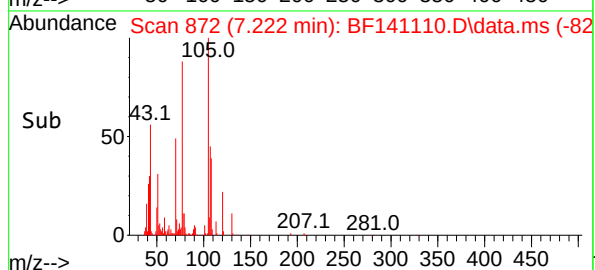
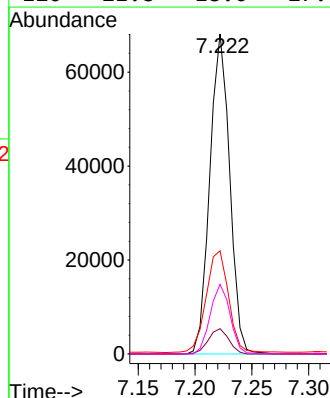
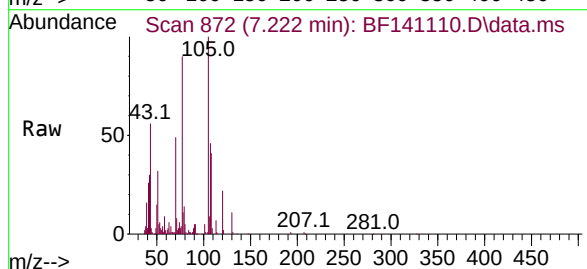
Ion Ratio Lower Upper

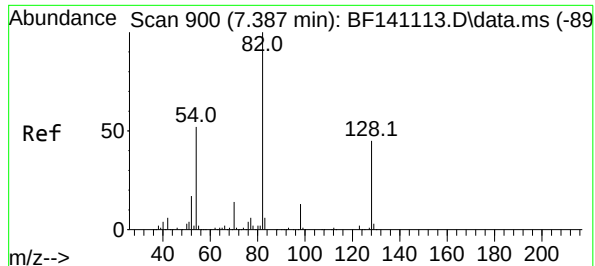
105 100

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# 89

Delta R.T. -0.012 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

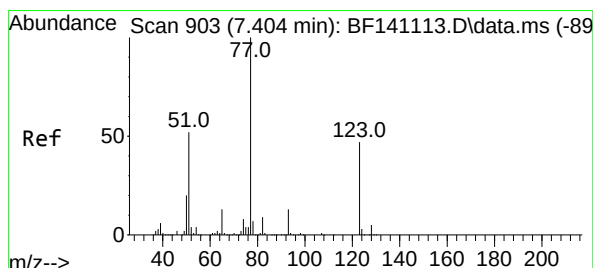
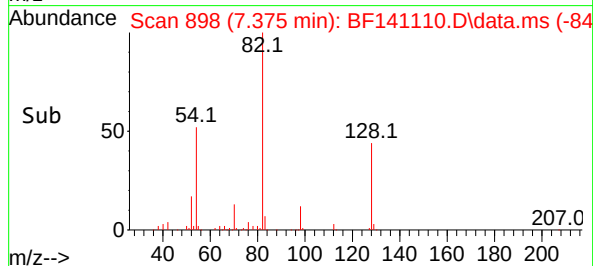
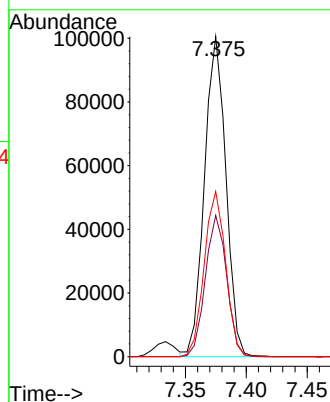
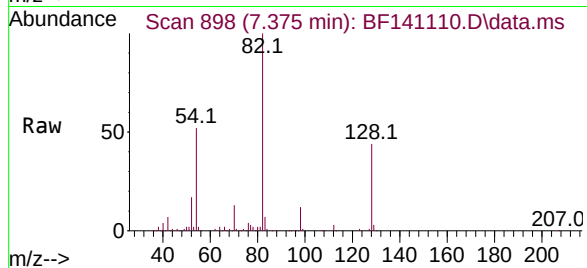
Tgt Ion: 82 Resp: 123133

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

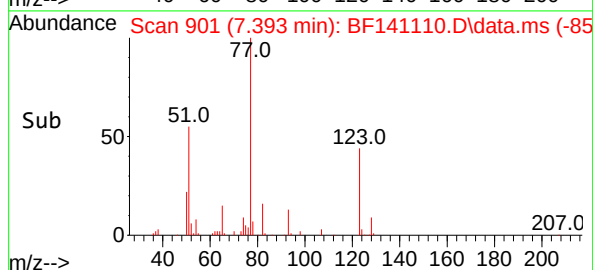
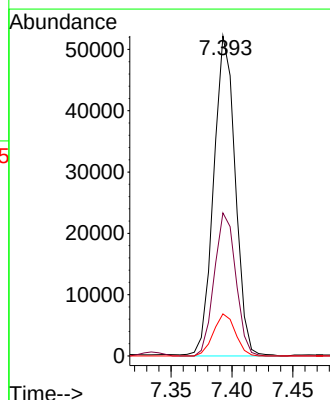
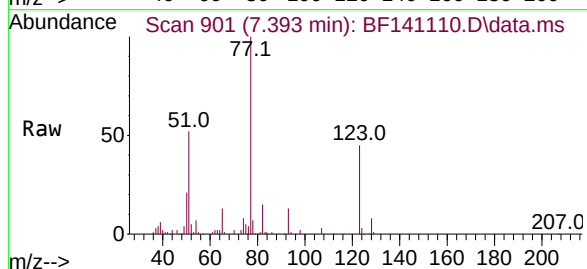
Tgt Ion: 77 Resp: 64399

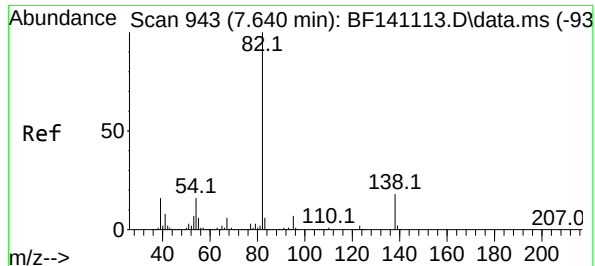
Ion Ratio Lower Upper

77 100

123 44.7 37.7 56.5

65 13.1 10.6 16.0

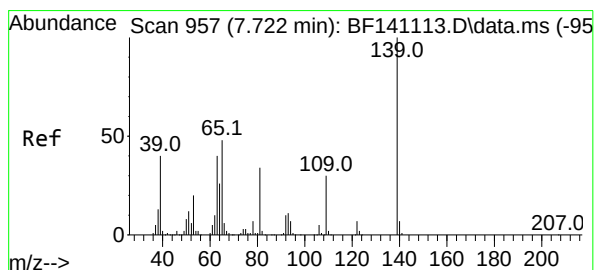
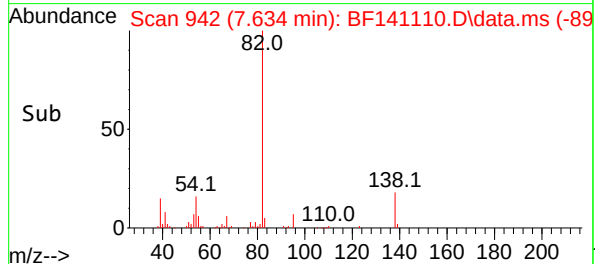
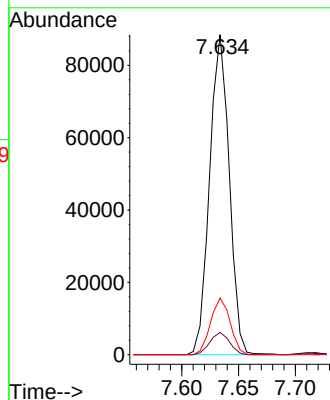
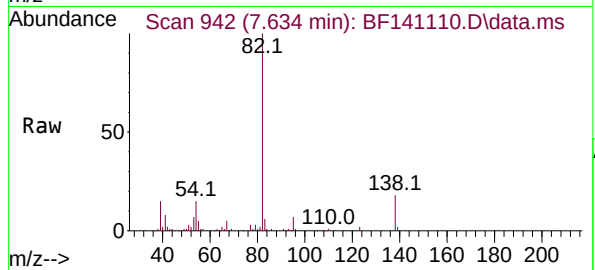




#25  
Isophorone  
Concen: 5.364 ng  
RT: 7.634 min Scan# 941  
Delta R.T. -0.006 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

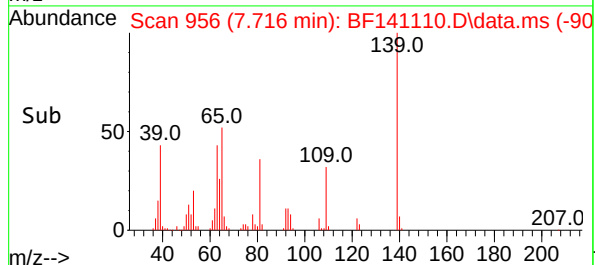
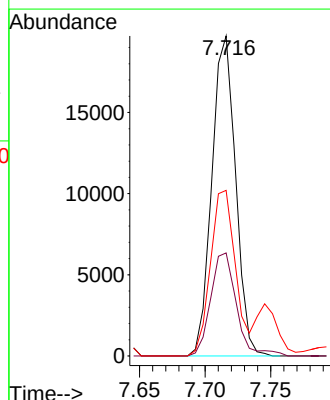
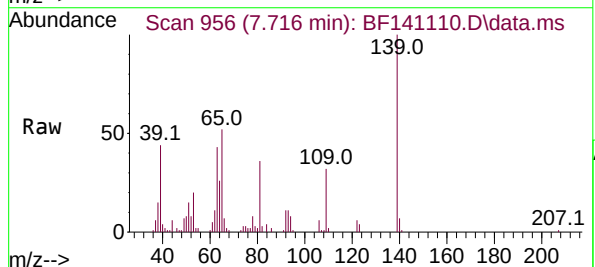
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

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

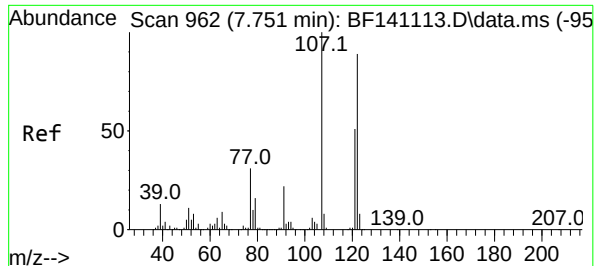


#26  
2-Nitrophenol  
Concen: 4.512 ng  
RT: 7.716 min Scan# 956  
Delta R.T. -0.006 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

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# 90

Delta R.T. -0.006 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

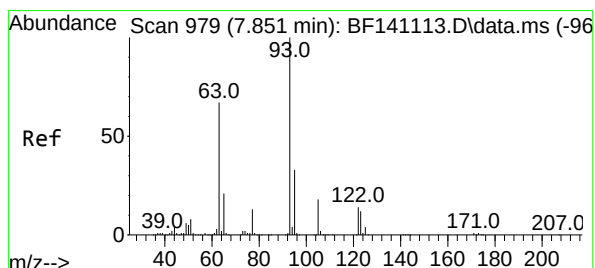
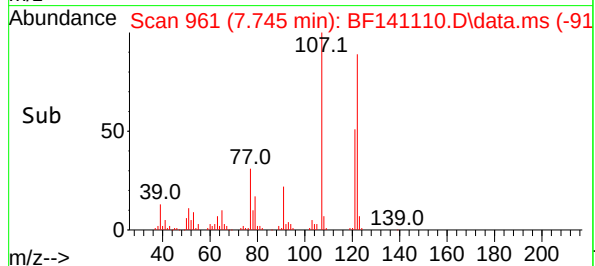
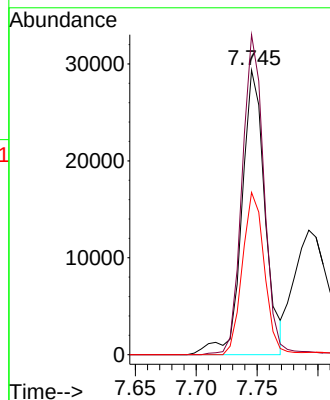
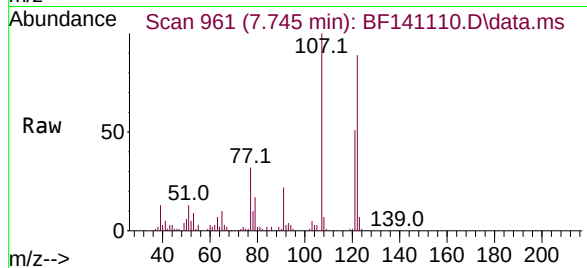
Tgt Ion:122 Resp: 38719

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

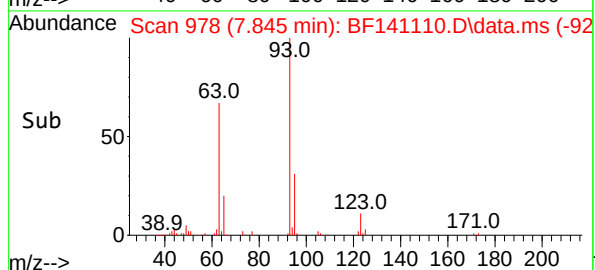
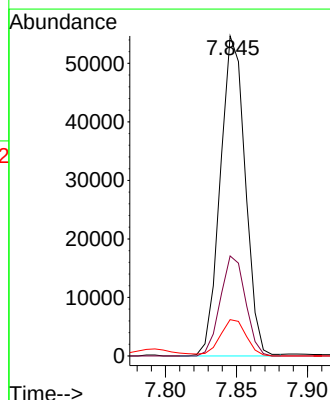
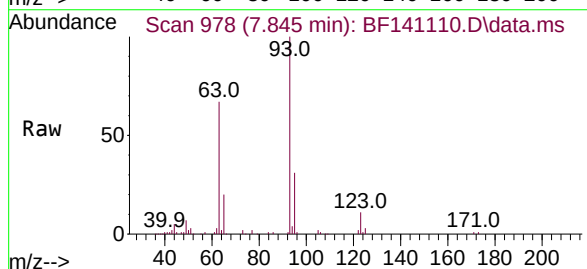
Tgt Ion: 93 Resp: 66840

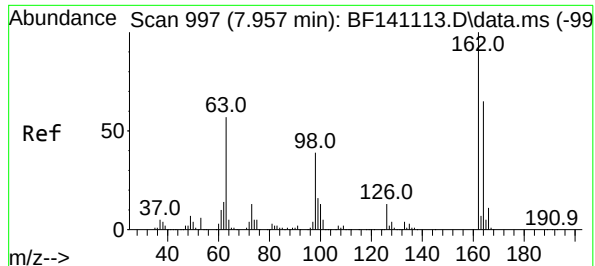
Ion Ratio Lower Upper

93 100

95 31.3 26.2 39.4

123 11.4 10.1 15.1

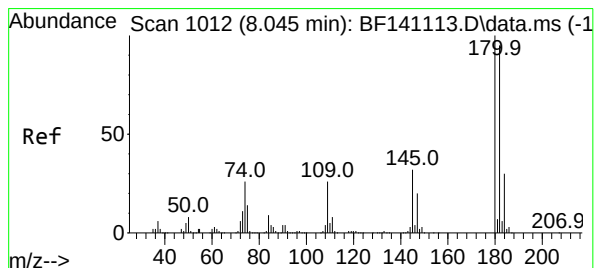
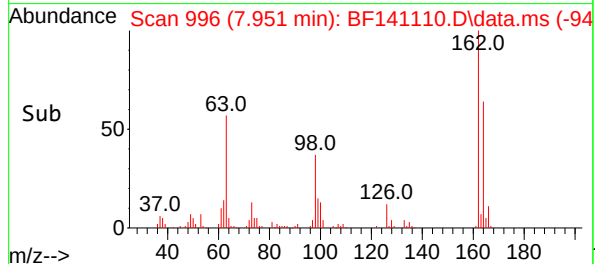
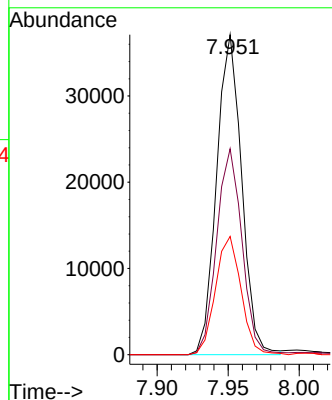
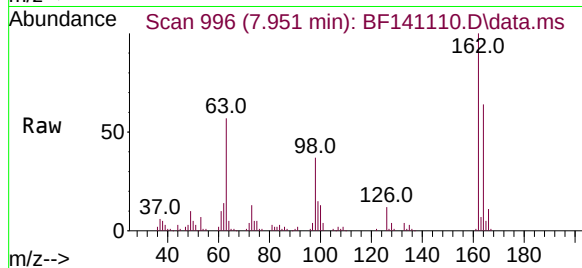




#29  
2,4-Dichlorophenol  
Concen: 5.171 ng  
RT: 7.951 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

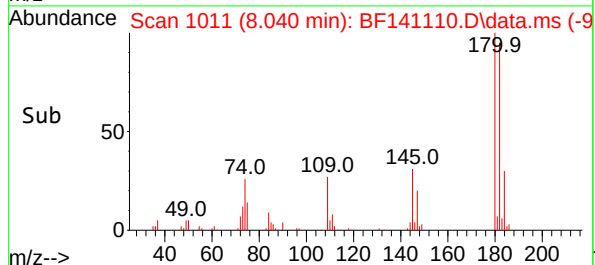
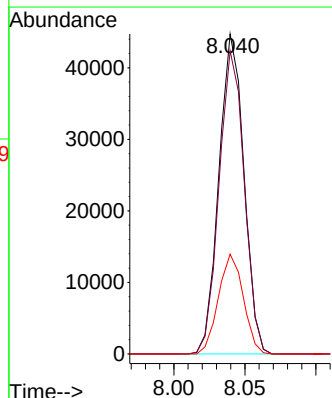
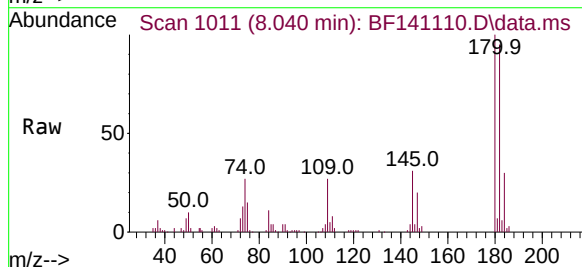
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

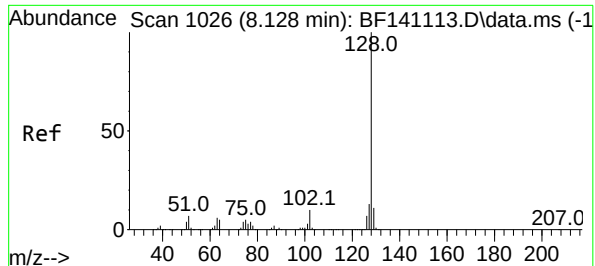
Tgt Ion:162 Resp: 45561  
Ion Ratio Lower Upper  
162 100  
164 64.3 44.5 84.5  
98 36.9 18.5 58.5



#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# 10

Delta R.T. -0.006 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

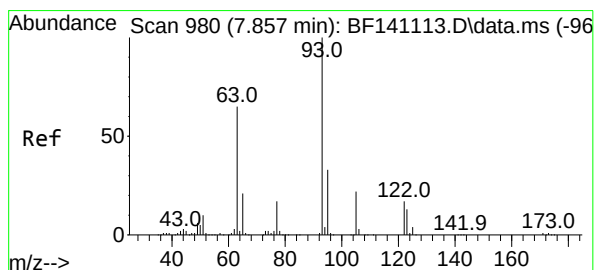
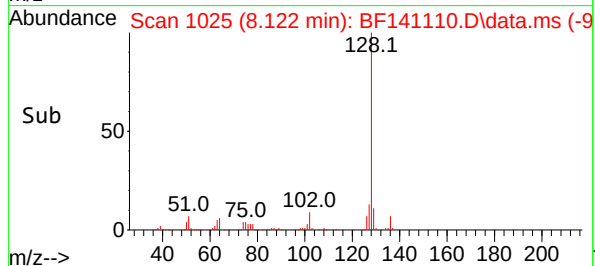
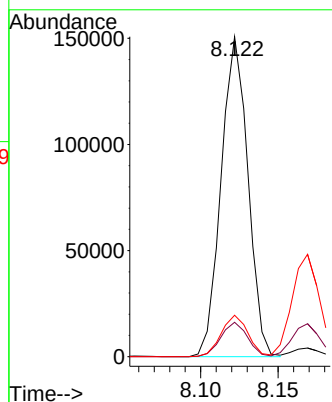
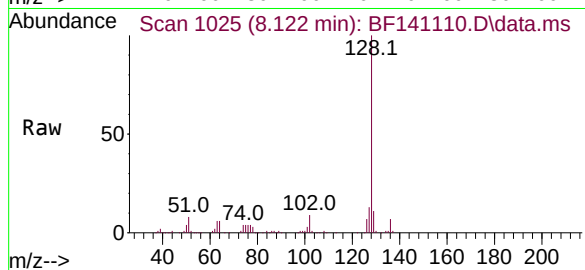
Tgt Ion:128 Resp: 181124

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

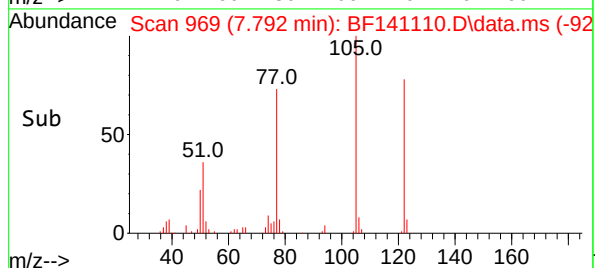
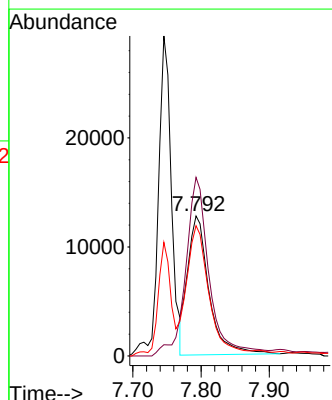
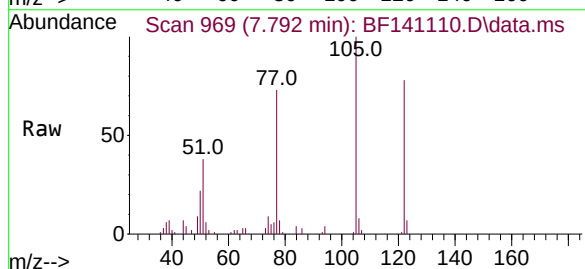
Tgt Ion:122 Resp: 27905

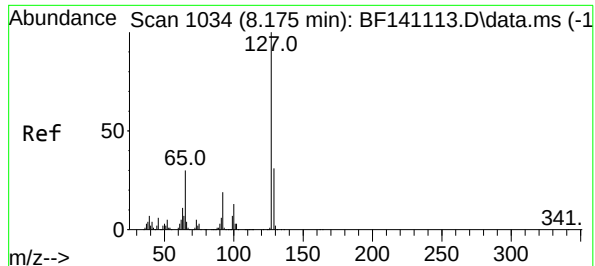
Ion Ratio Lower Upper

122 100

105 127.6 105.5 145.5

77 93.1 75.1 115.1

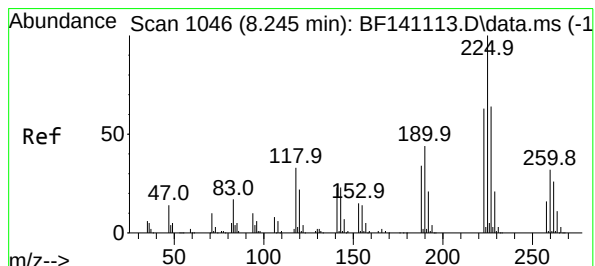
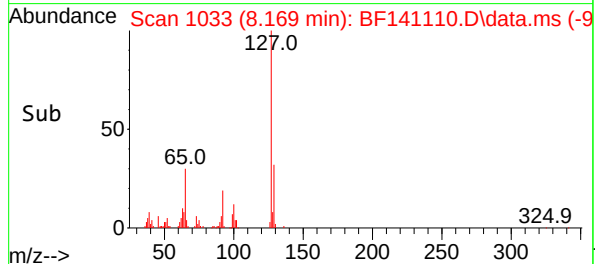
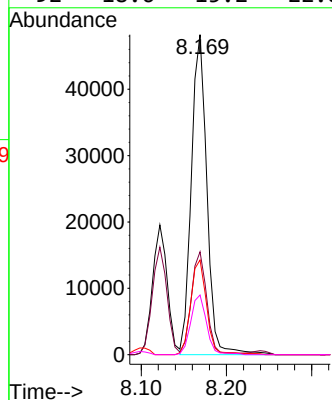
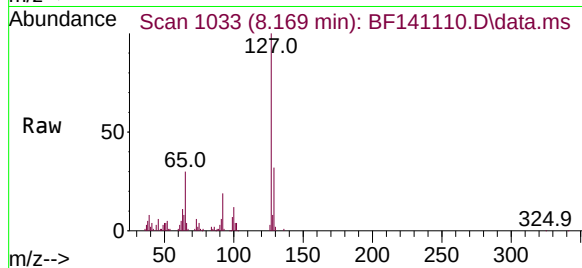




#33  
4-Chloroaniline  
Concen: 5.448 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

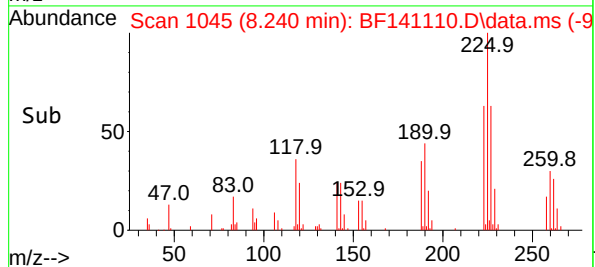
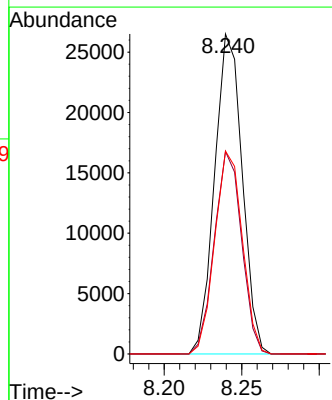
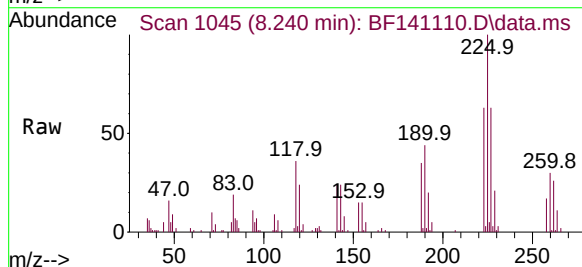
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

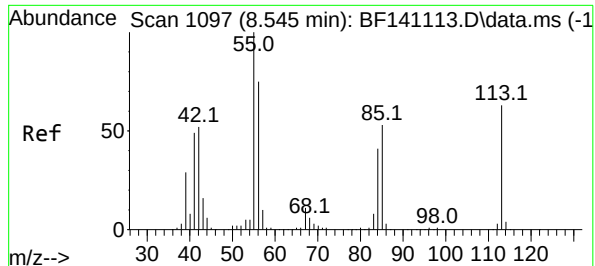
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 61099 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 32.1  | 25.9  | 38.9  |
| 65       | 29.6  | 23.8  | 35.8  |
| 92       | 18.6  | 15.2  | 22.8  |



#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  |

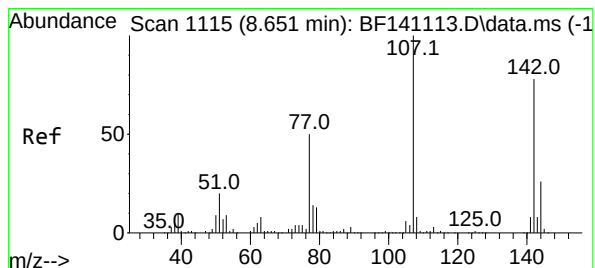
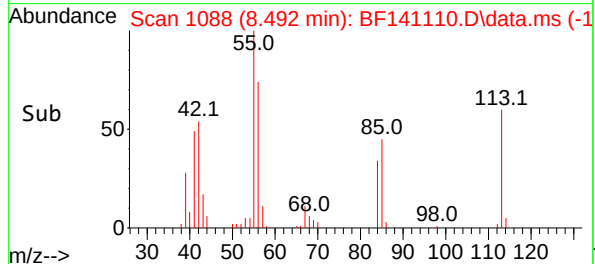
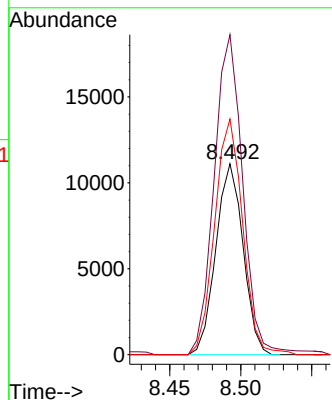
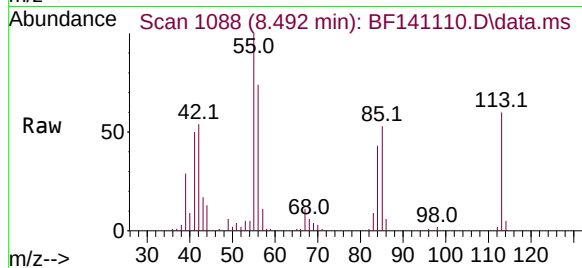




#35  
Caprolactam  
Concen: 5.127 ng  
RT: 8.492 min Scan# 1097  
Delta R.T. -0.053 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

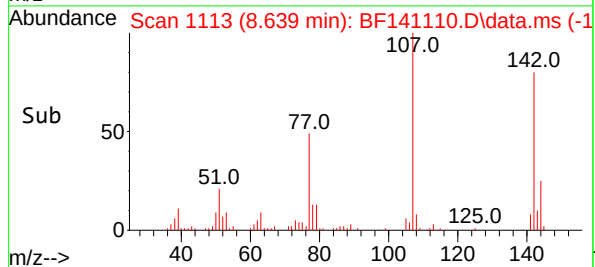
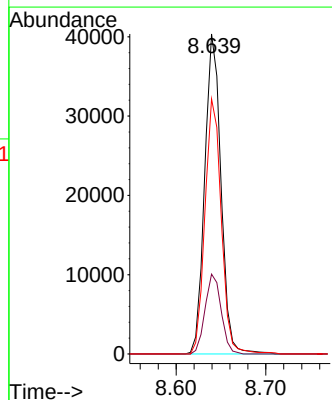
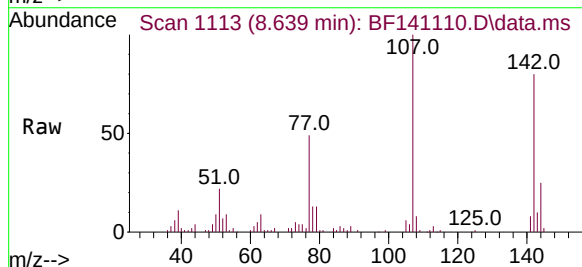
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

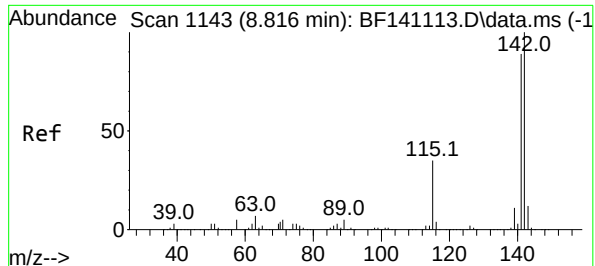
Tgt Ion:113 Resp: 14819  
Ion Ratio Lower Upper  
113 100  
55 167.7 139.7 179.7  
56 123.5 99.4 139.4



#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# 1143

Delta R.T. -0.006 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

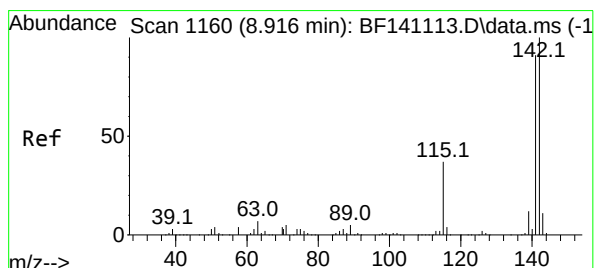
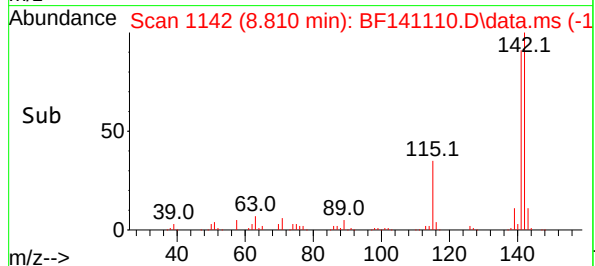
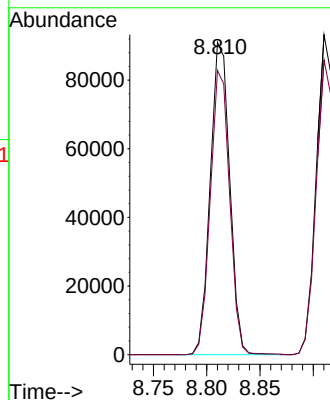
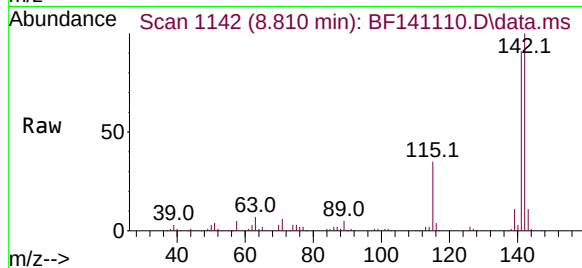
SSTDICC005

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

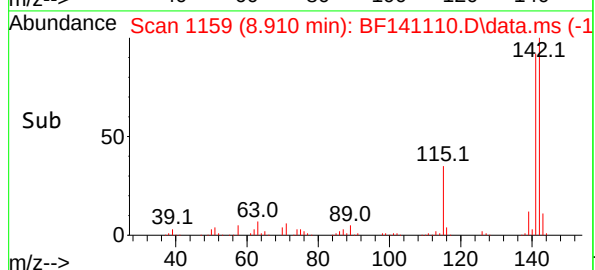
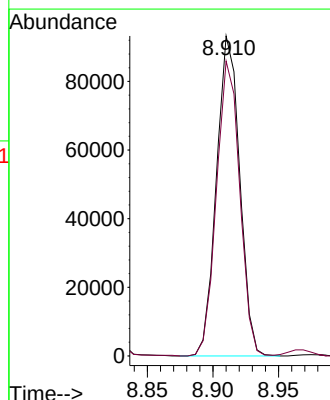
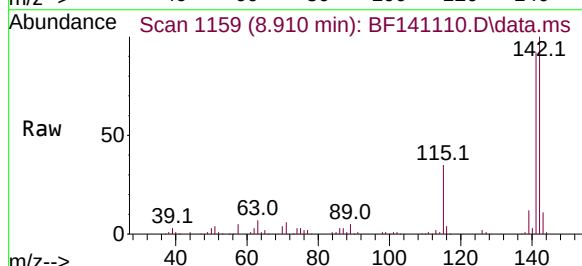
Acq: 10 Jan 2025 12:25

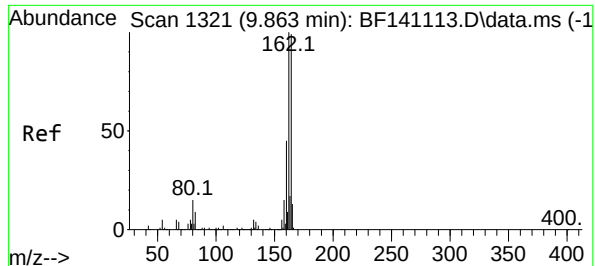
Tgt Ion:142 Resp: 114809

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# 11

Delta R.T. -0.006 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25

Instrument :

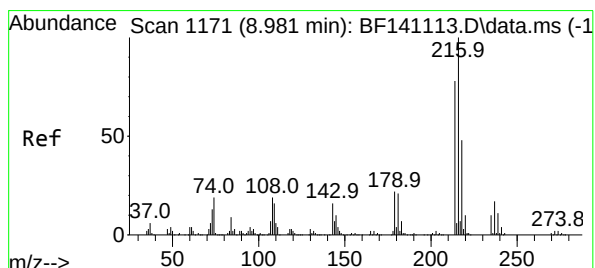
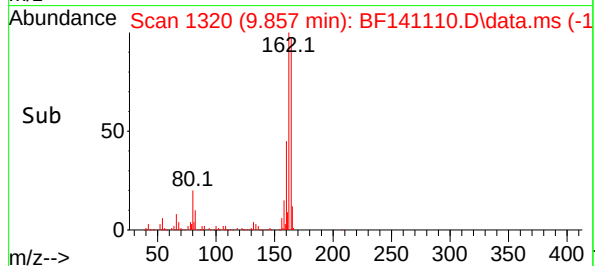
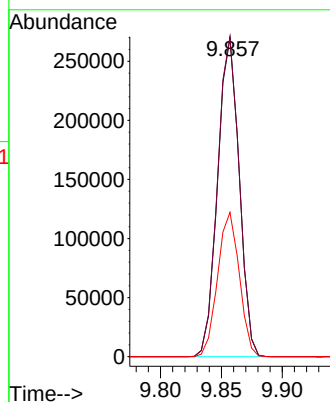
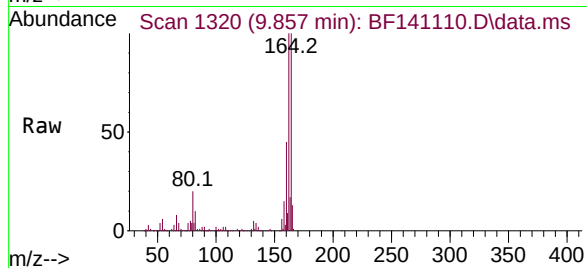
BNA\_F

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

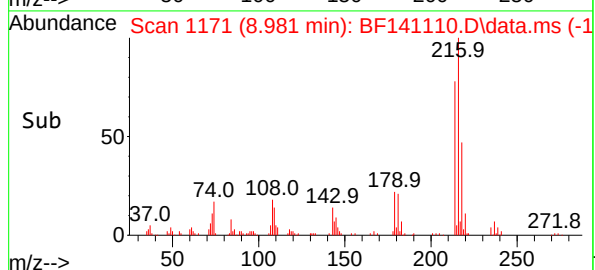
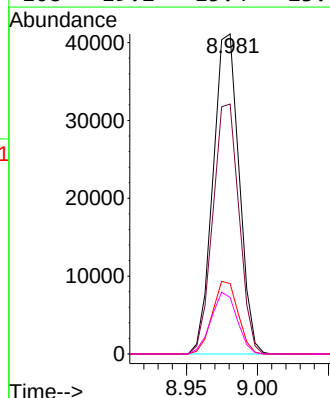
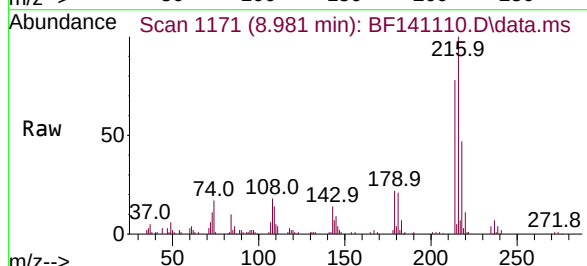
Delta R.T. 0.000 min

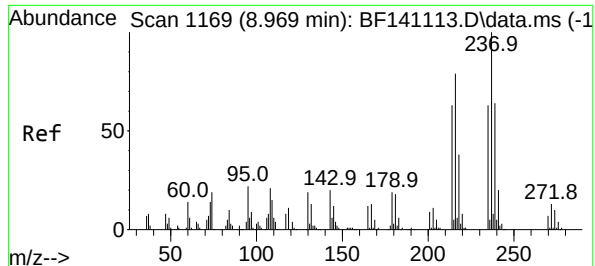
Lab File: BF141110.D

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  |

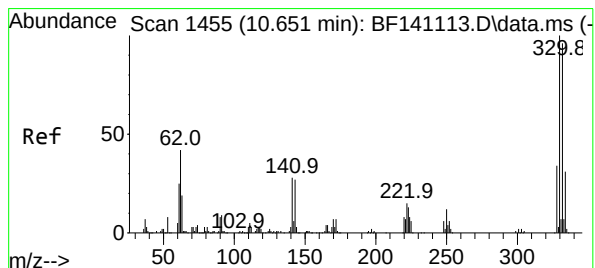
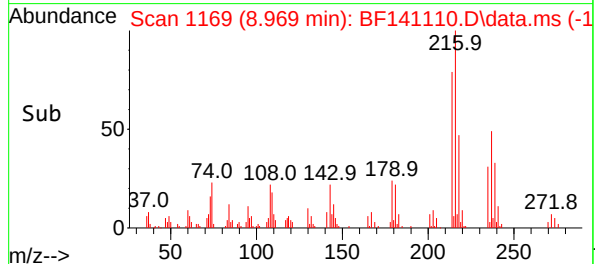
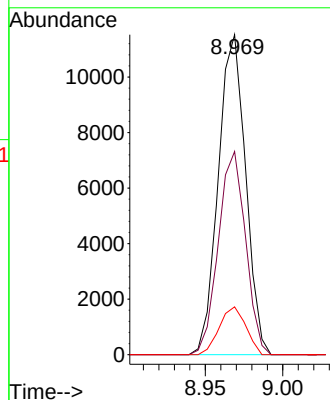
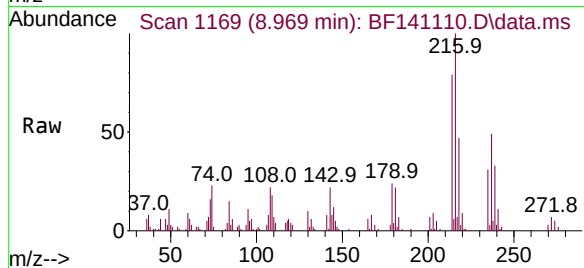




#41  
Hexachlorocyclopentadiene  
Concen: 4.534 ng  
RT: 8.969 min Scan# 1169  
Delta R.T. 0.000 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

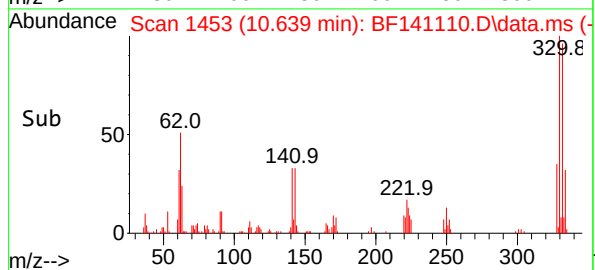
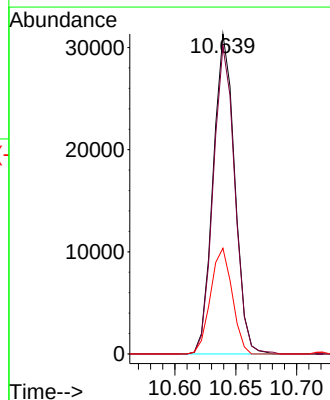
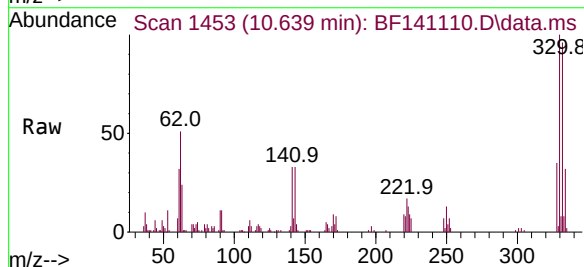
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

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

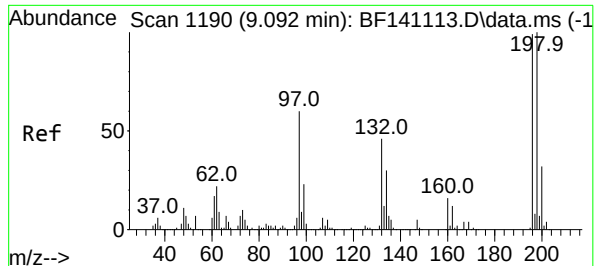


#42  
2,4,6-Tribromophenol  
Concen: 10.205 ng  
RT: 10.639 min Scan# 1453  
Delta R.T. -0.012 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

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# 1189

Delta R.T. -0.006 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

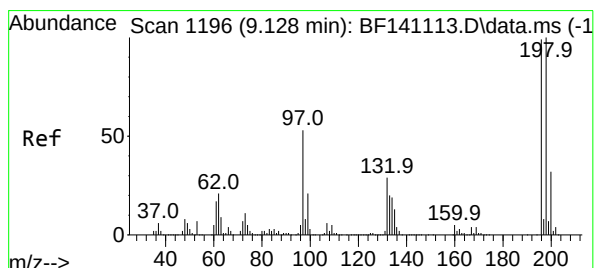
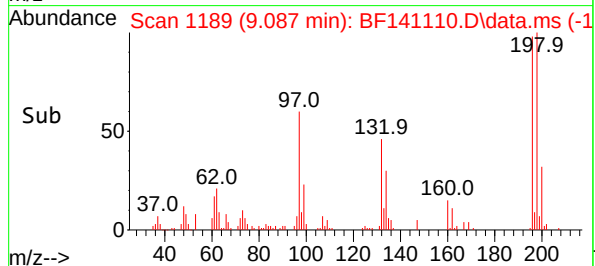
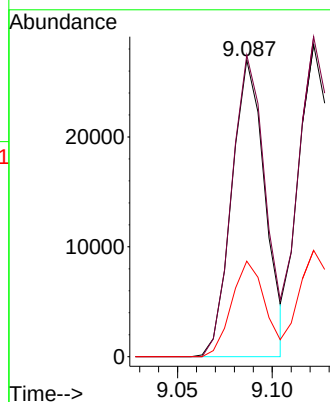
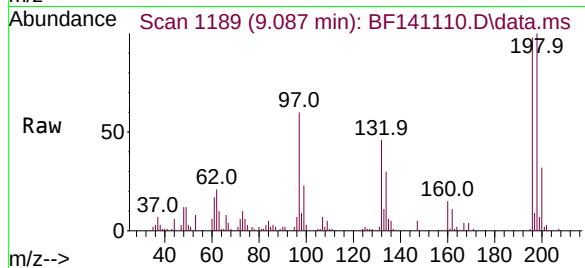
Tgt Ion:196 Resp: 33100

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

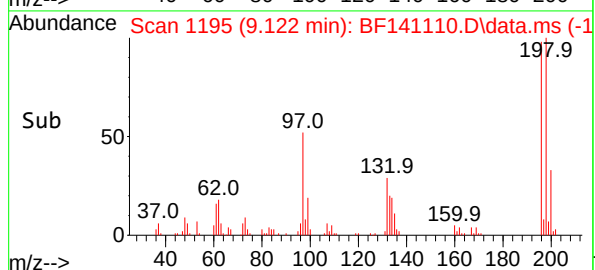
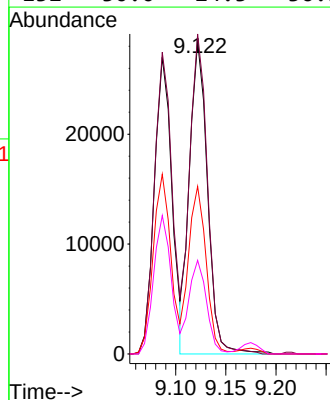
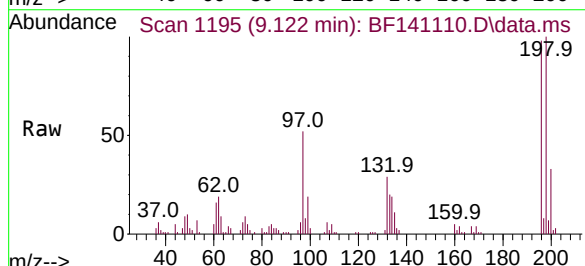
Ion Ratio Lower Upper

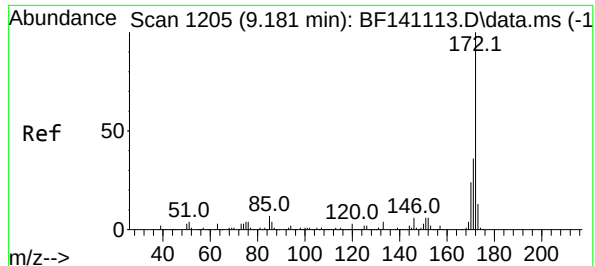
196 100

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# 1204

Delta R.T. -0.006 min

Lab File: BF141110.D

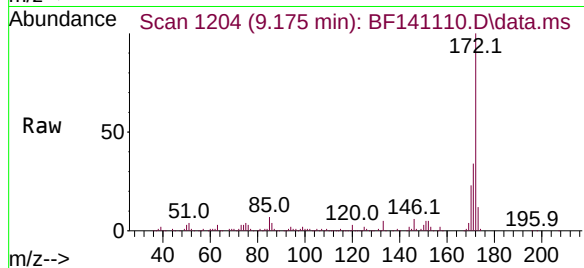
Acq: 10 Jan 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005



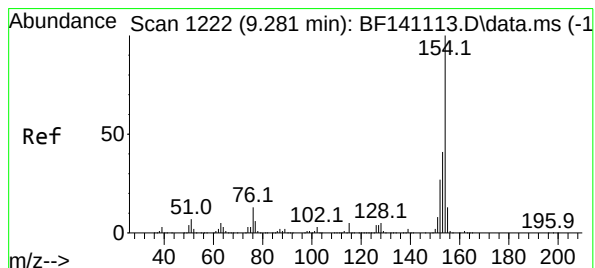
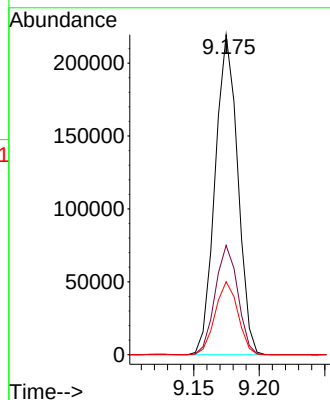
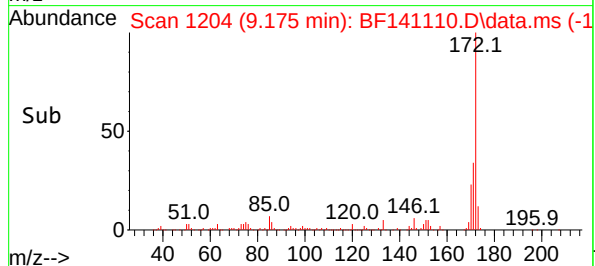
Tgt Ion:172 Resp: 262701

Ion Ratio Lower Upper

172 100

171 34.2 28.7 43.1

170 22.8 19.0 28.6



#46

1,1'-Biphenyl

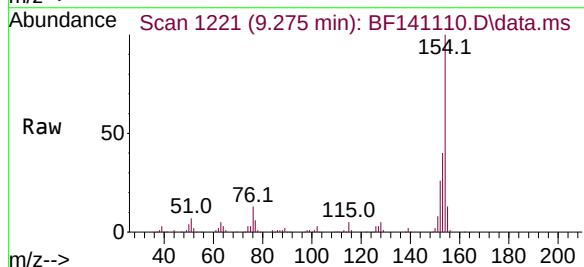
Concen: 5.668 ng

RT: 9.275 min Scan# 1221

Delta R.T. -0.006 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25



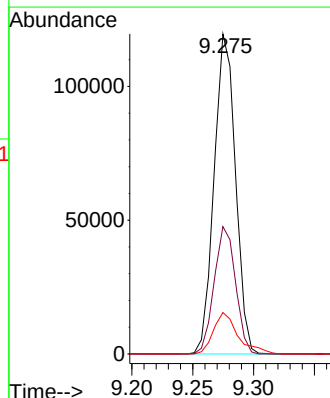
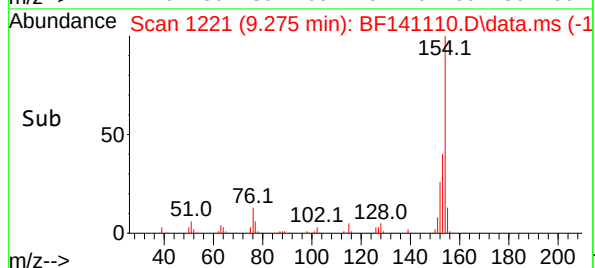
Tgt Ion:154 Resp: 146178

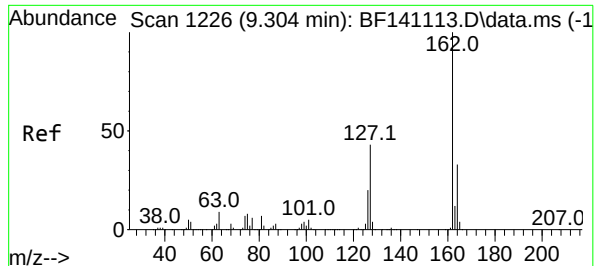
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

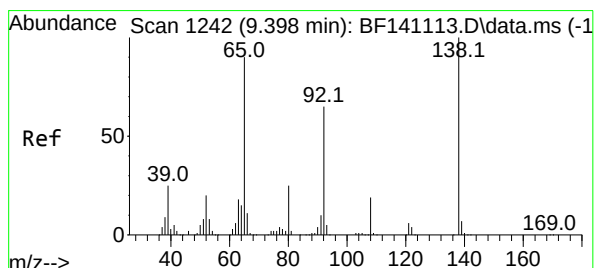
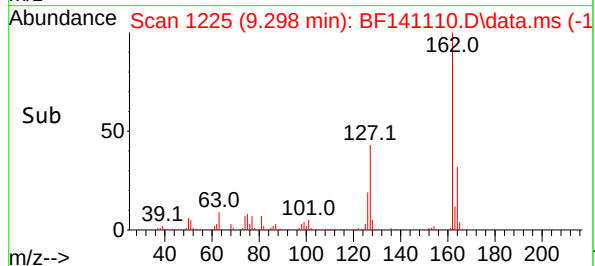
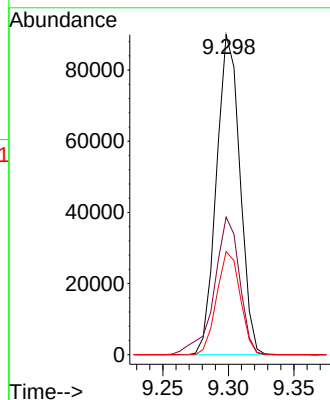
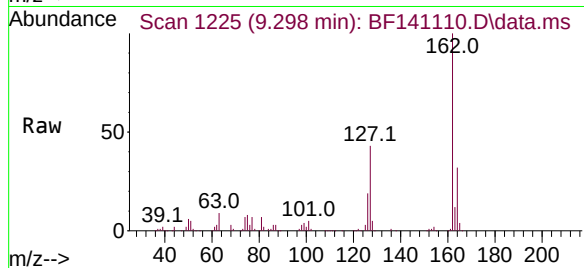
Tgt Ion:162 Resp: 111654

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

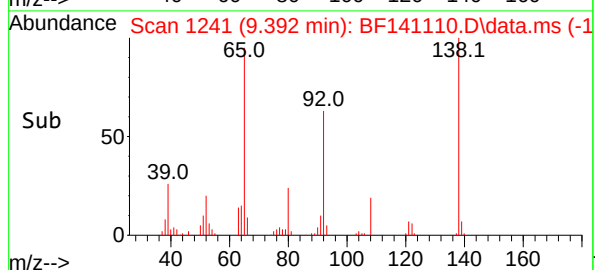
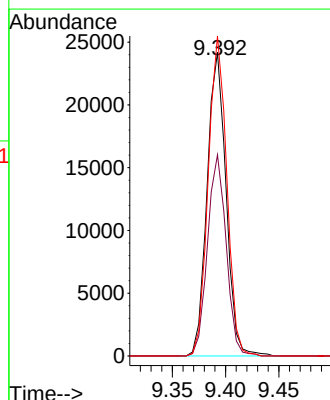
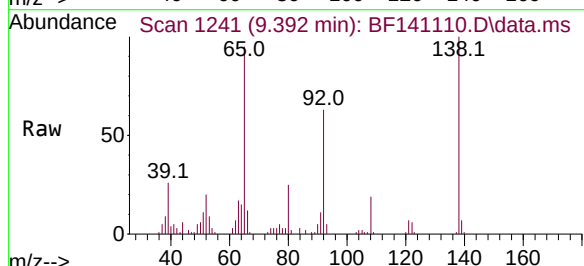
Tgt Ion: 65 Resp: 29900

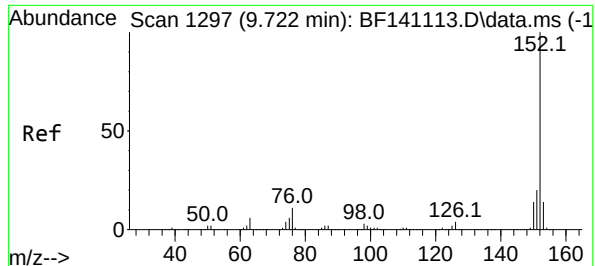
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

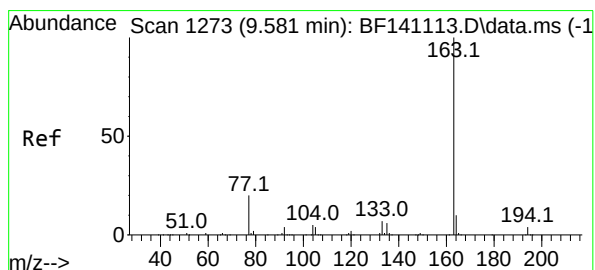
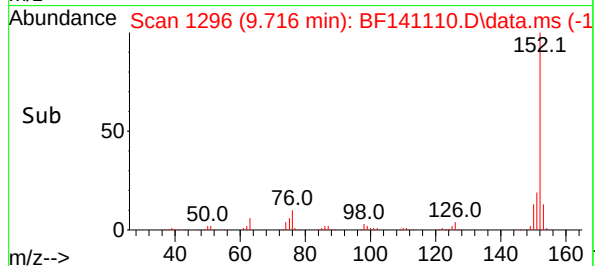
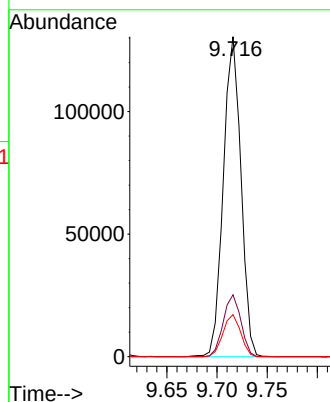
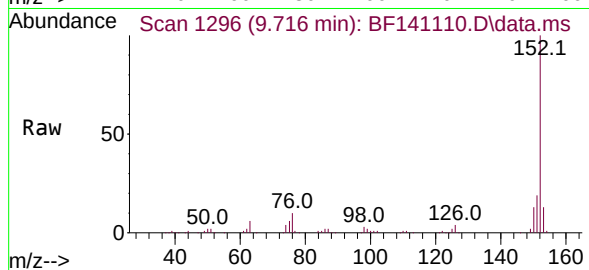
Tgt Ion:152 Resp: 159028

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

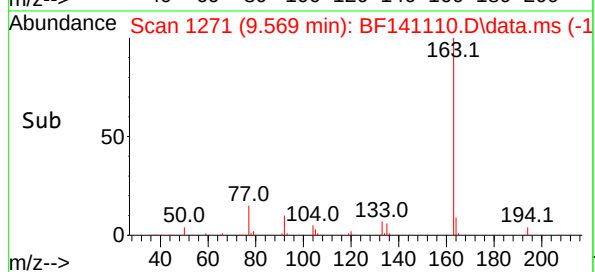
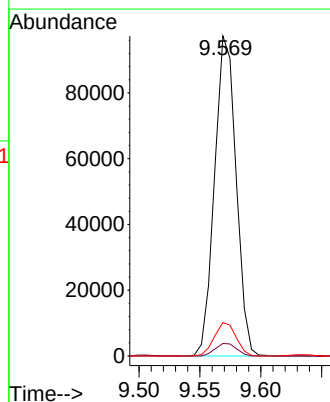
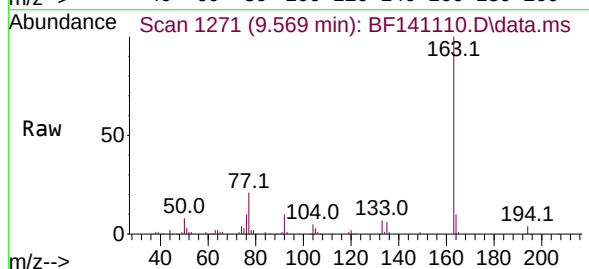
Tgt Ion:163 Resp: 120152

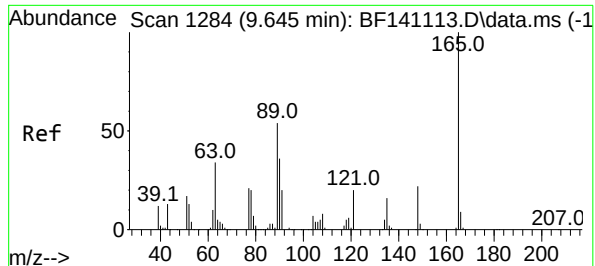
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.5 8.2 12.4

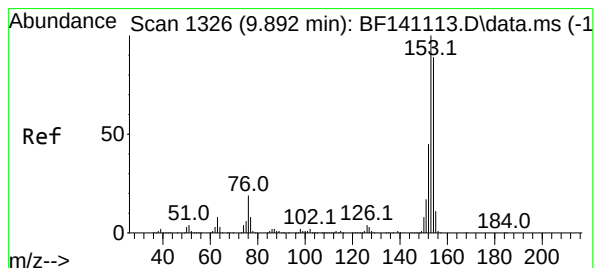
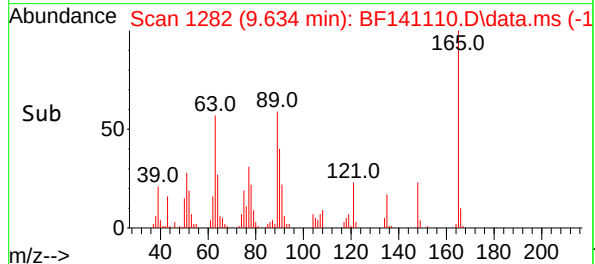
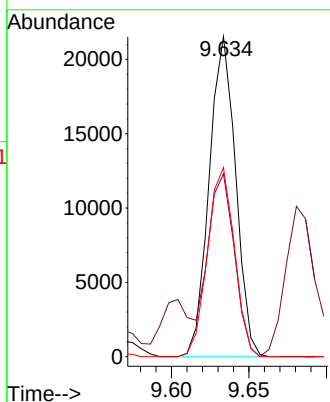
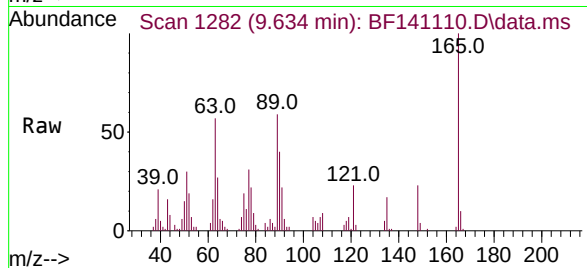




#51  
2,6-Dinitrotoluene  
Concen: 4.929 ng  
RT: 9.634 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

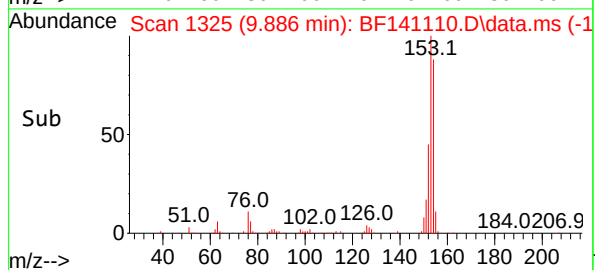
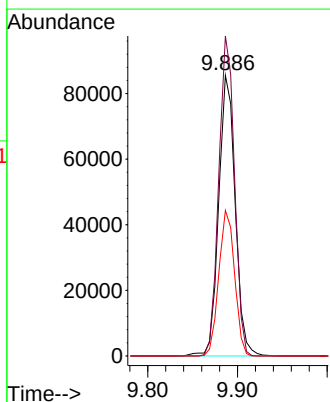
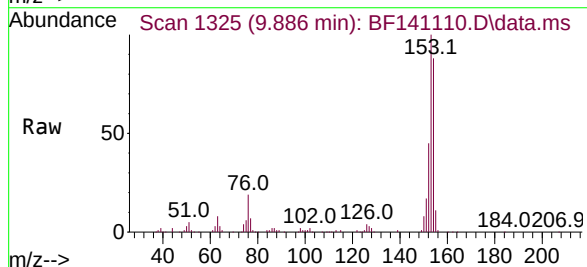
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

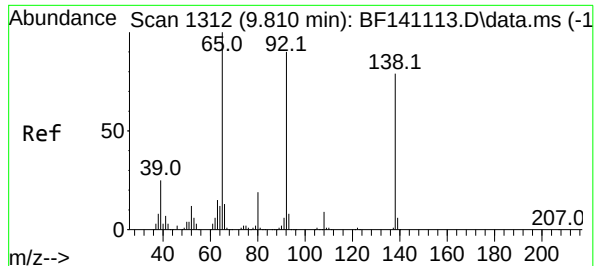
Tgt Ion:165 Resp: 25553  
Ion Ratio Lower Upper  
165 100  
63 57.2 42.3 63.5  
89 59.1 43.1 64.7



#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

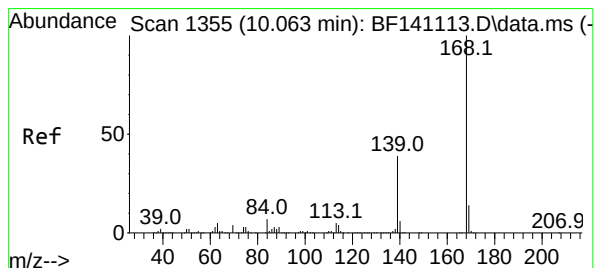
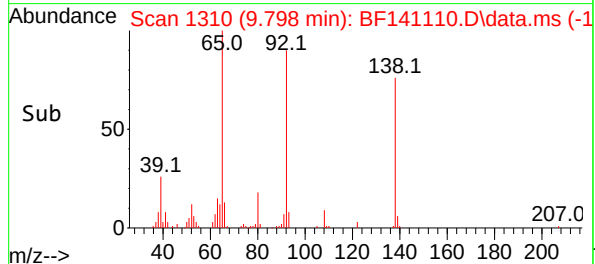
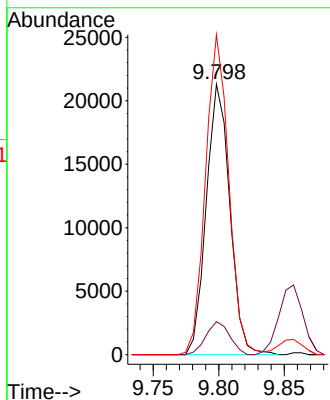
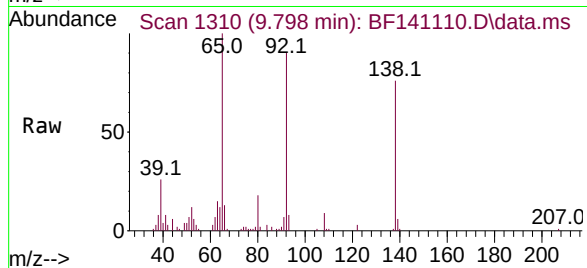




#53  
3-Nitroaniline  
Concen: 5.058 ng  
RT: 9.798 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

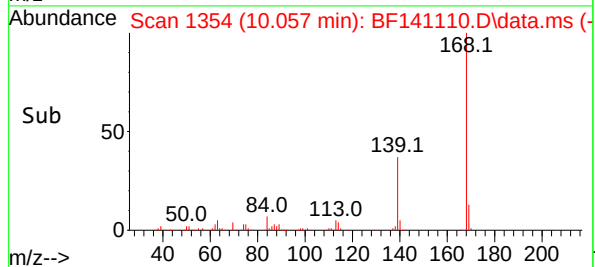
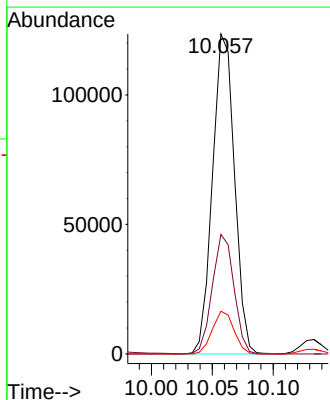
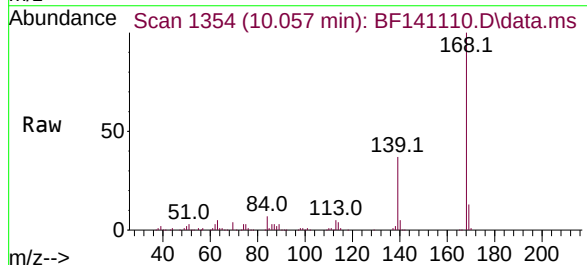
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

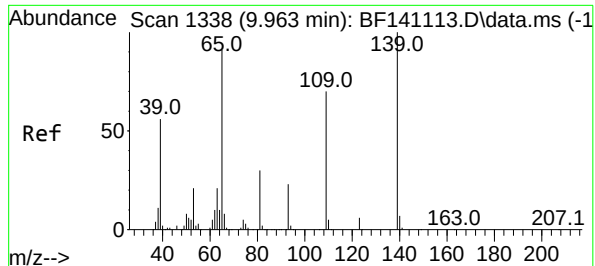
Tgt Ion:138 Resp: 26650  
Ion Ratio Lower Upper  
138 100  
108 12.2 8.8 13.2  
92 118.4 91.3 136.9



#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# 11

Delta R.T. -0.012 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

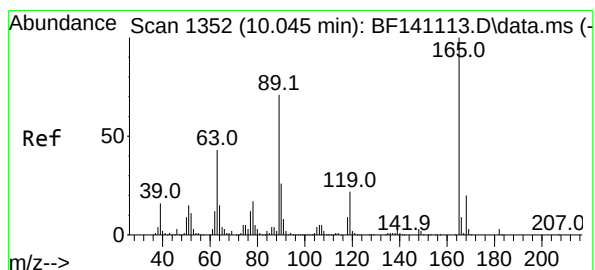
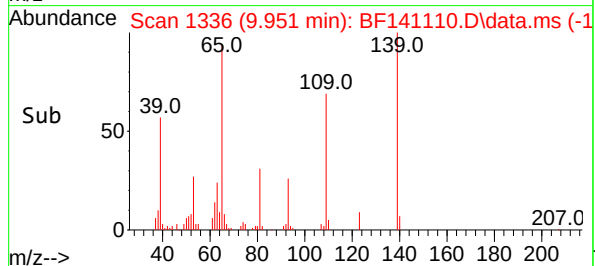
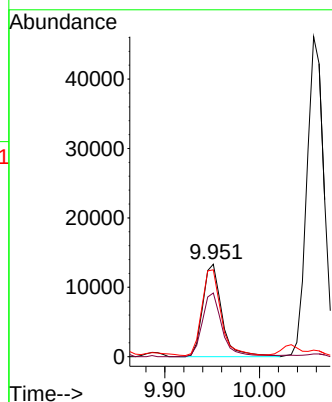
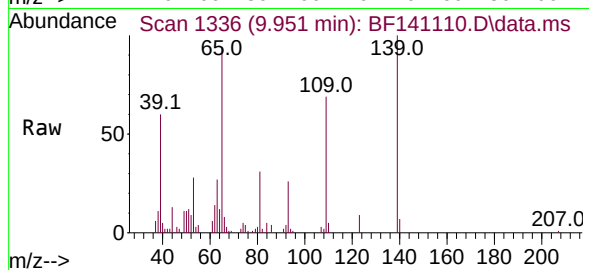
Tgt Ion:139 Resp: 18587

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

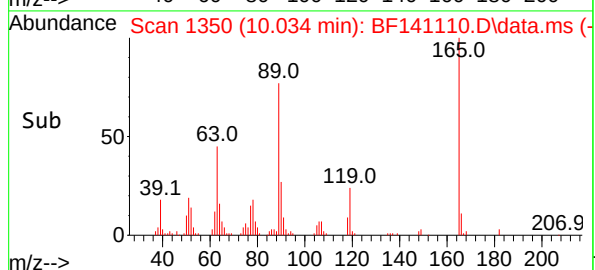
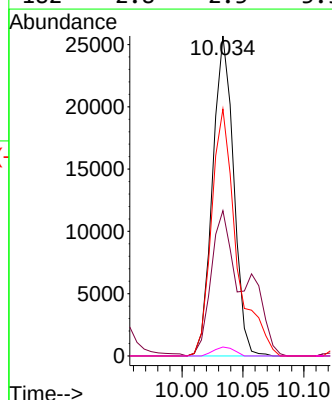
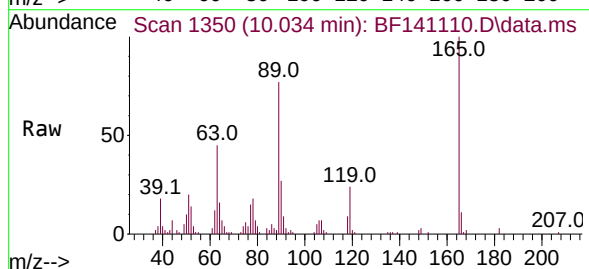
Ion Ratio Lower Upper

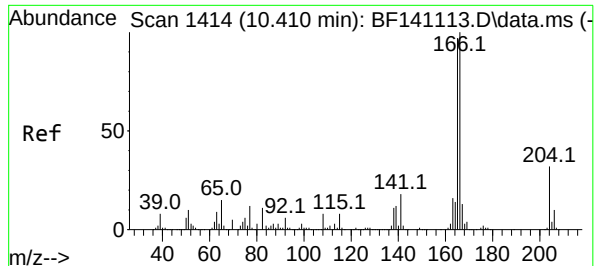
165 100

63 45.4 35.0 52.4

89 77.2 56.7 85.1

182 2.8 2.3 3.5

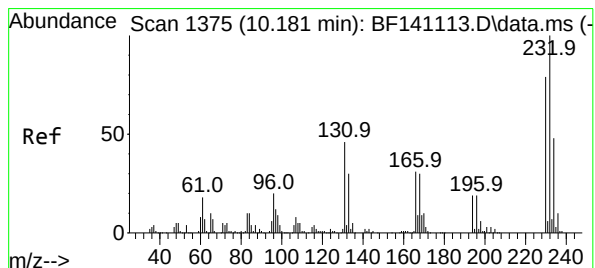
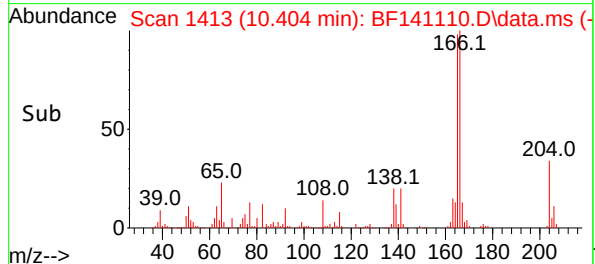
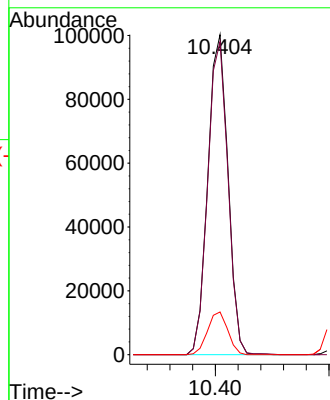
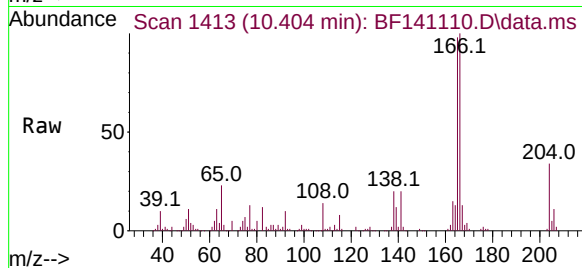




#58  
Fluorene  
Concen: 5.829 ng  
RT: 10.404 min Scan# 1414  
Delta R.T. -0.006 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

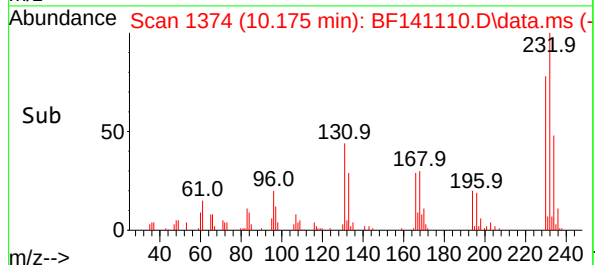
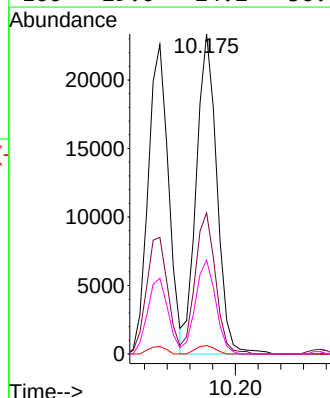
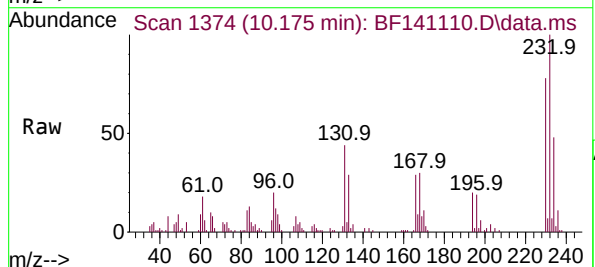
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

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

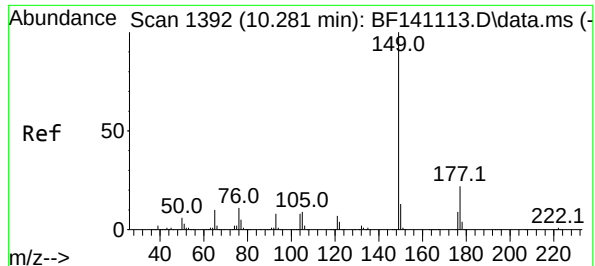


#59  
2,3,4,6-Tetrachlorophenol  
Concen: 5.199 ng  
RT: 10.175 min Scan# 1374  
Delta R.T. -0.006 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

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



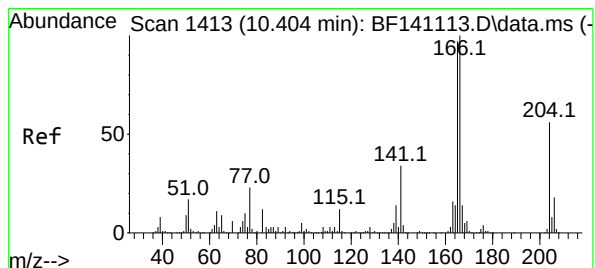
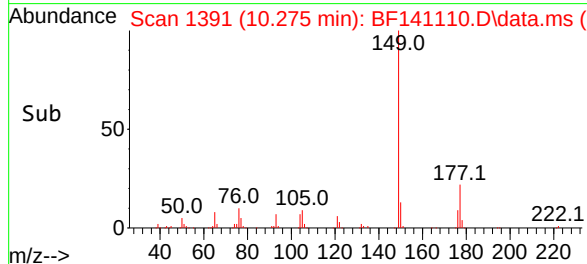
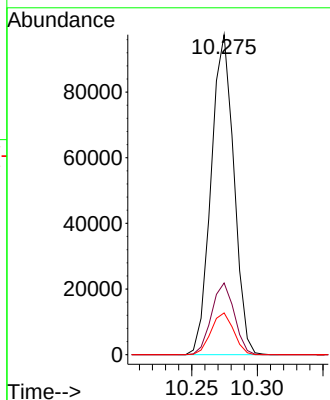
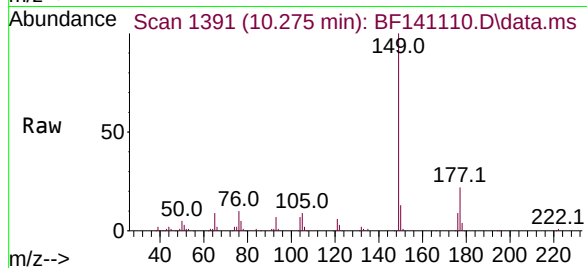




#60  
Diethylphthalate  
Concen: 5.401 ng  
RT: 10.275 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

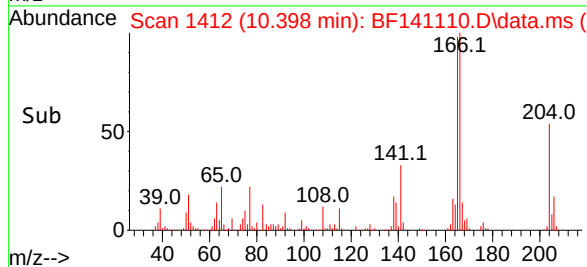
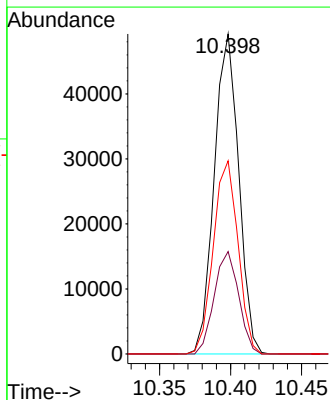
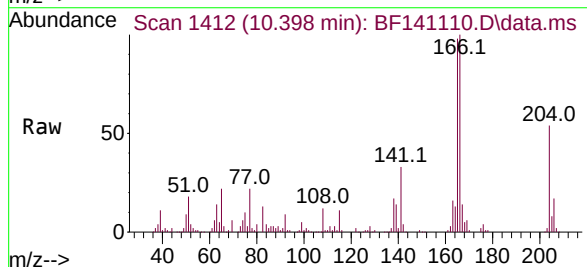
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

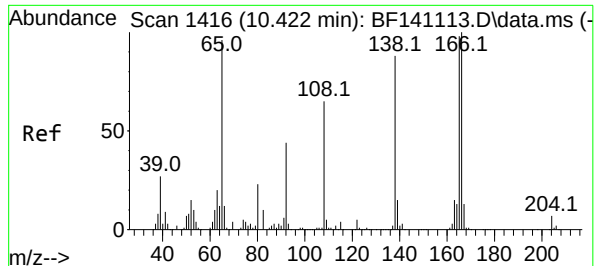
Tgt Ion:149 Resp: 117549  
Ion Ratio Lower Upper  
149 100  
177 22.4 17.9 26.9  
150 13.0 10.2 15.2



#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

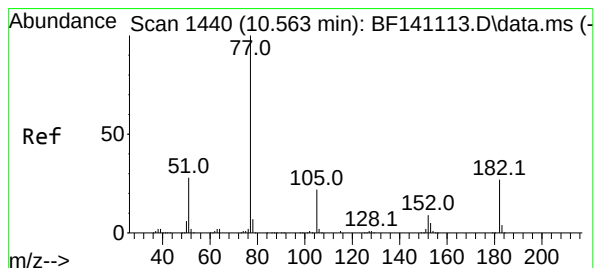
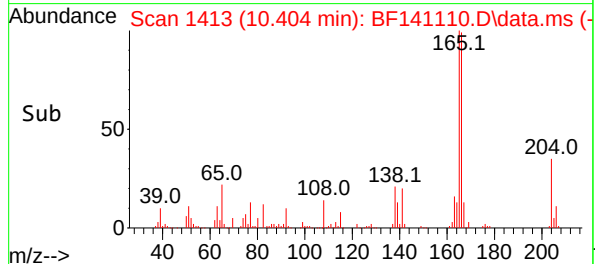
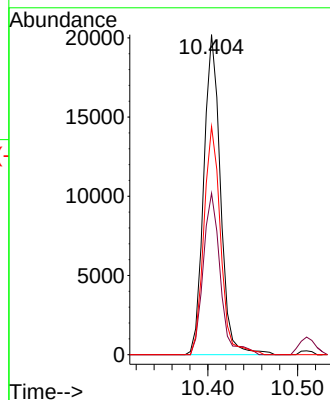
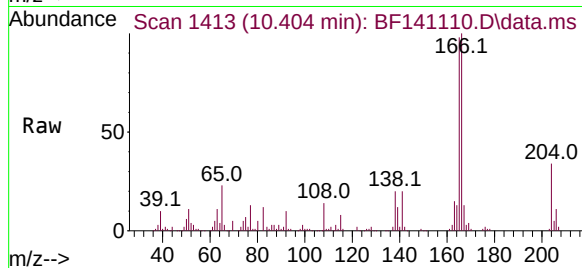




#62  
4-Nitroaniline  
Concen: 5.060 ng  
RT: 10.404 min Scan# 1416  
Delta R.T. -0.018 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

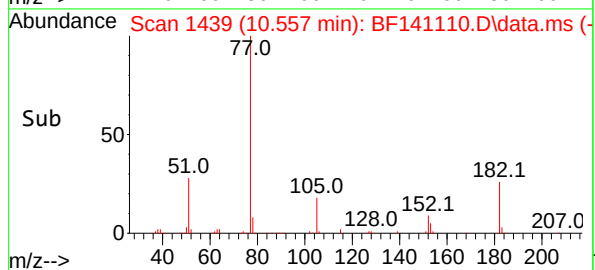
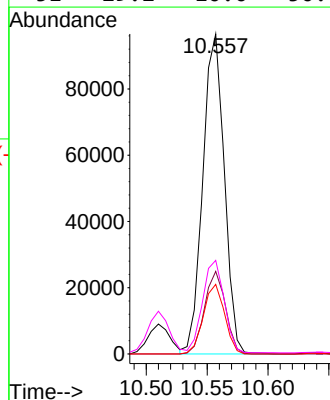
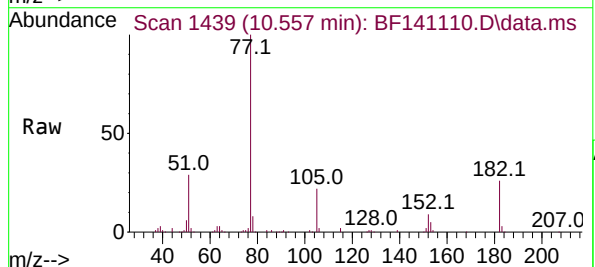
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

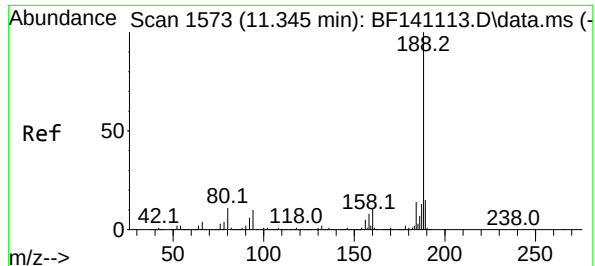
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 50.5  | 29.4  | 69.4  |
| 108     | 71.3  | 53.7  | 93.7  |



#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 | 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  |

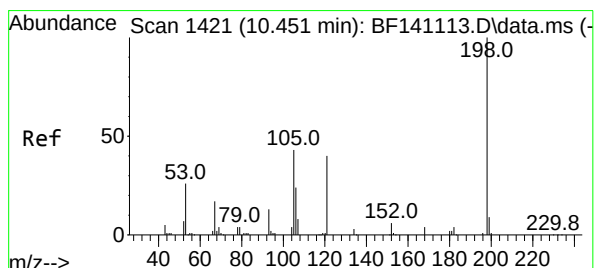
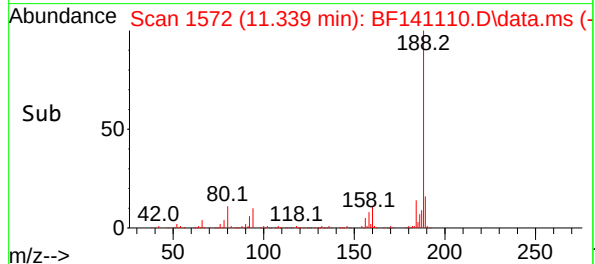
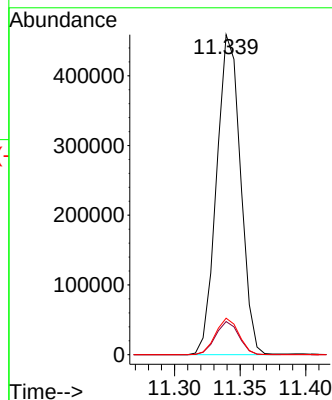
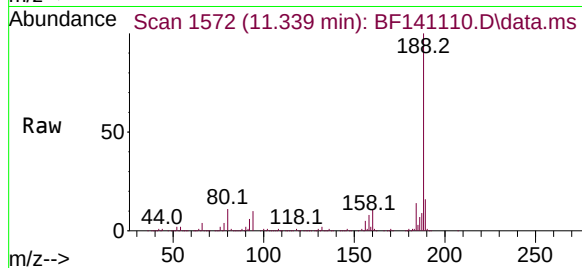




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.339 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

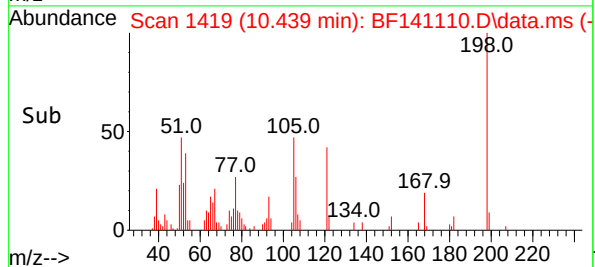
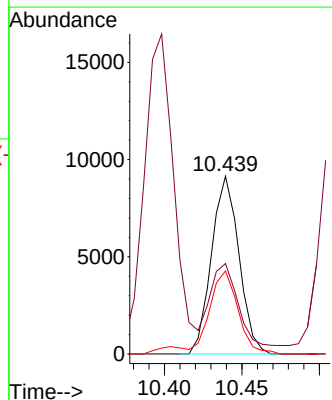
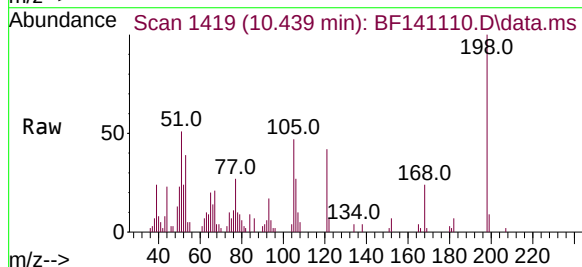
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

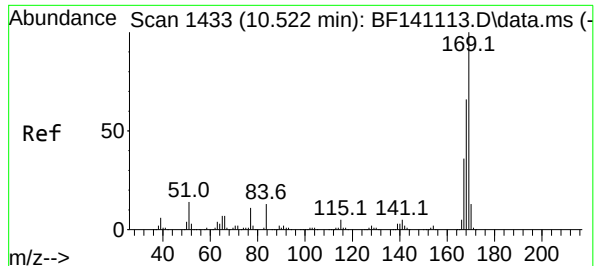
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.3  | 8.3   | 12.5  |
| 80      | 11.4  | 9.0   | 13.4  |



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

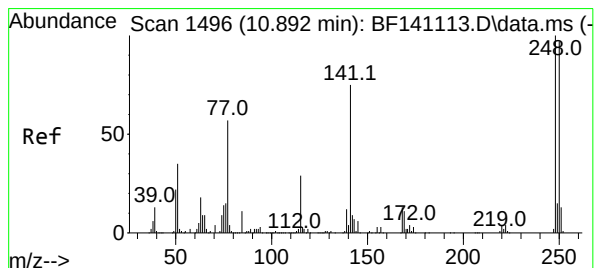
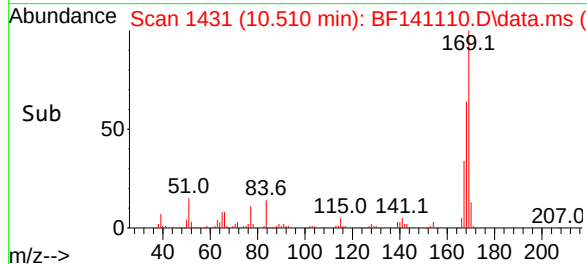
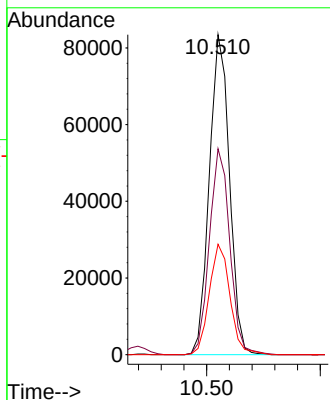
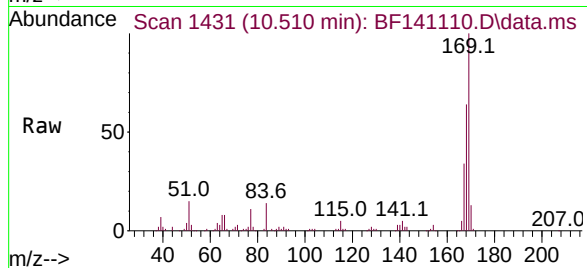




#66  
n-Nitrosodiphenylamine  
Concen: 5.471 ng  
RT: 10.510 min Scan# 1433  
Delta R.T. -0.012 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

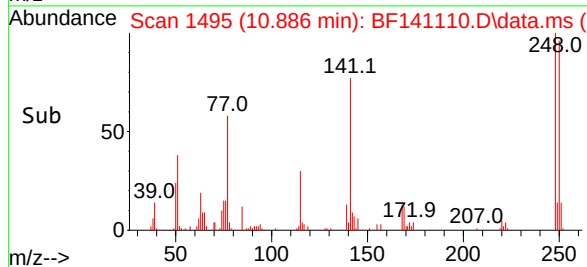
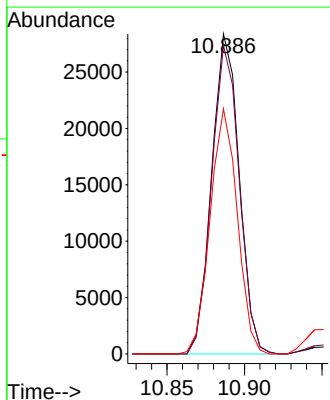
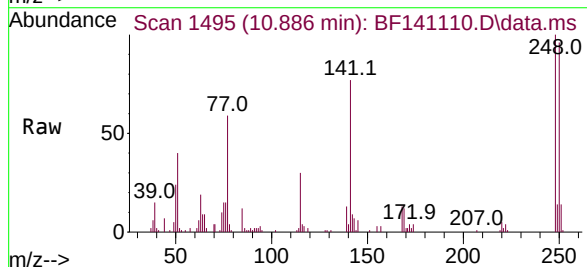
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

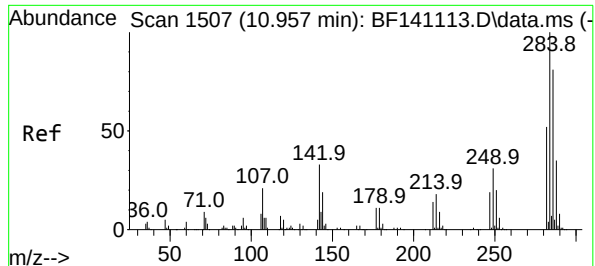
Tgt Ion:169 Resp: 102664  
Ion Ratio Lower Upper  
169 100  
168 64.4 52.5 78.7  
167 34.5 28.9 43.3



#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

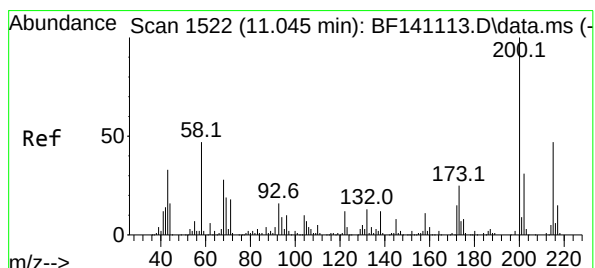
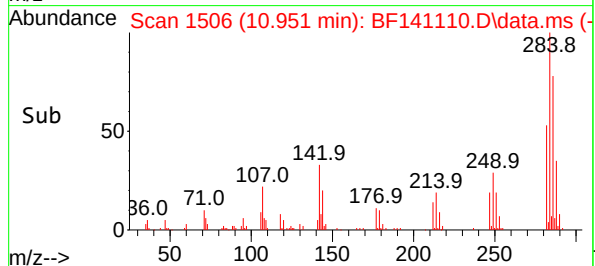
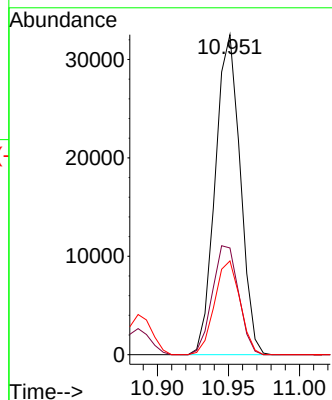
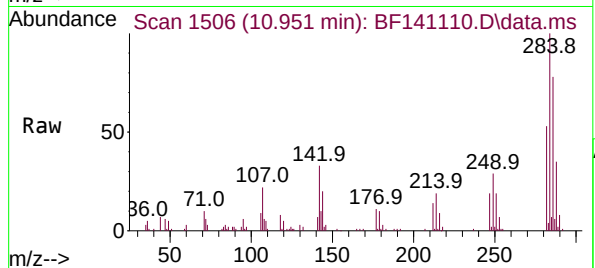




#68  
Hexachlorobenzene  
Concen: 5.332 ng  
RT: 10.951 min Scan# 1506  
Delta R.T. -0.006 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

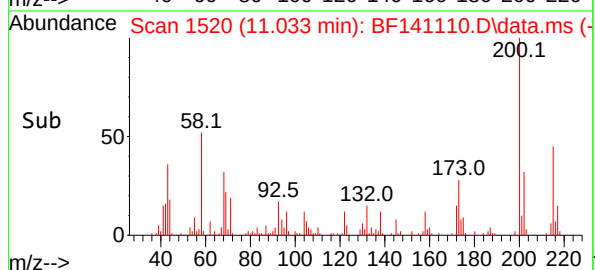
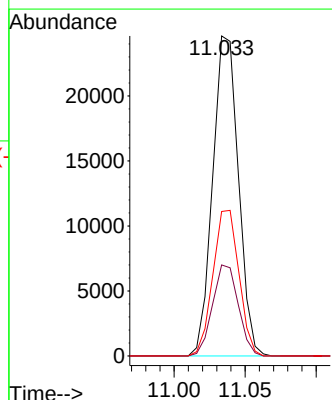
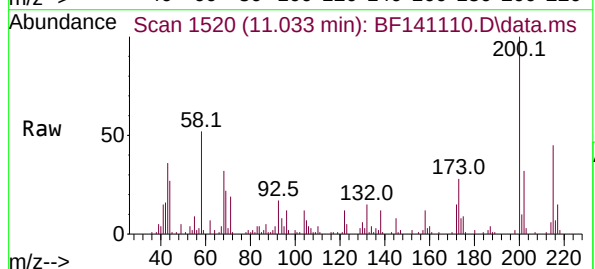
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

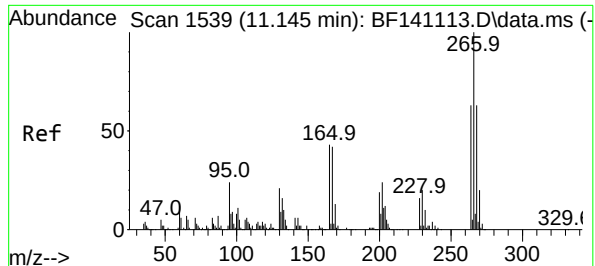
Tgt Ion:284 Resp: 39756  
Ion Ratio Lower Upper  
284 100  
142 33.4 26.3 39.5  
249 29.3 24.9 37.3



#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# 1539

Delta R.T. -0.006 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

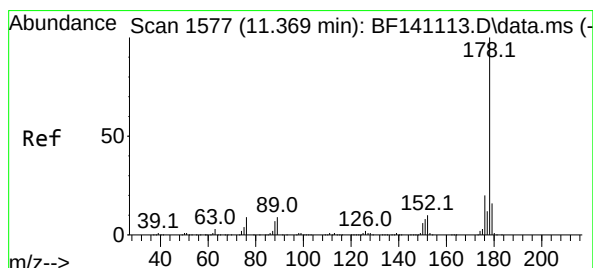
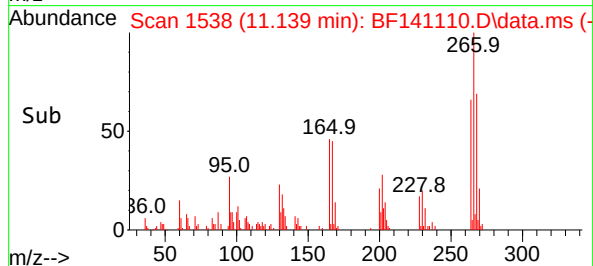
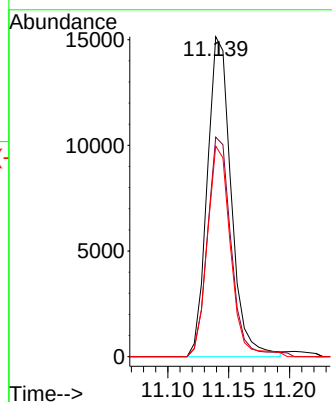
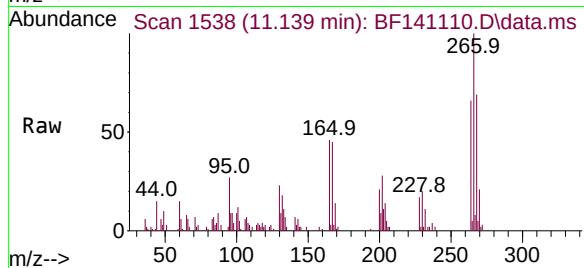
Tgt Ion:266 Resp: 20711

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

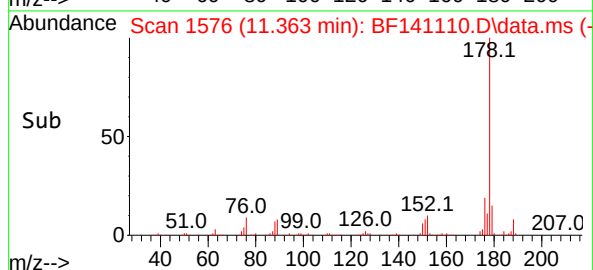
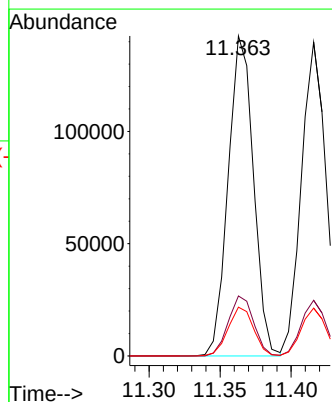
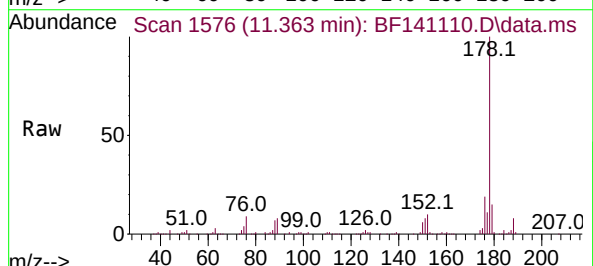
Tgt Ion:178 Resp: 177095

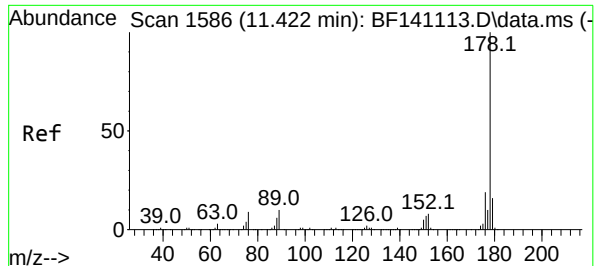
Ion Ratio Lower Upper

178 100

176 18.8 15.7 23.5

179 15.3 12.6 19.0

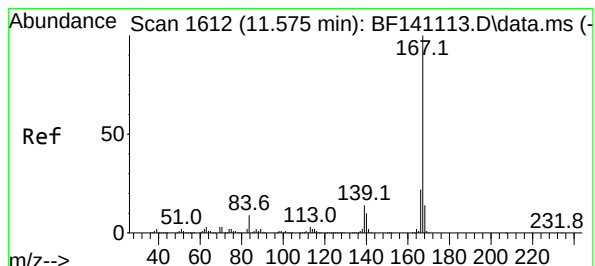
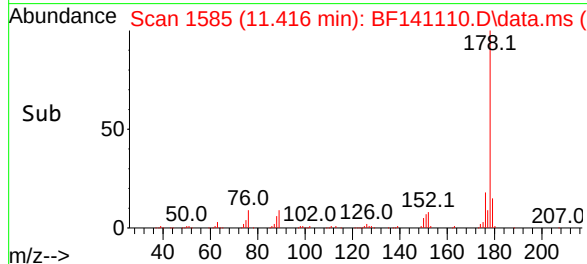
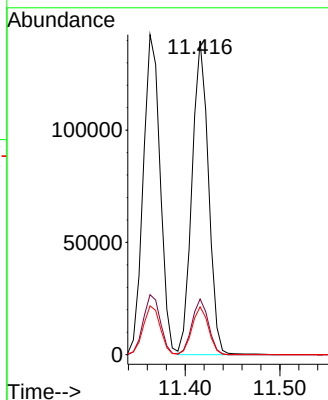
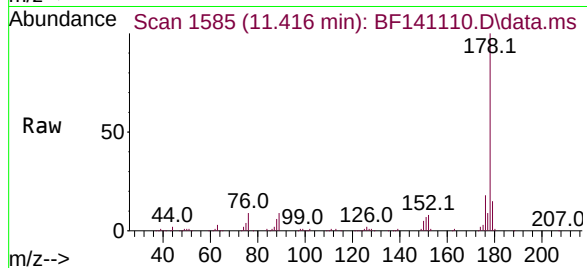




#72  
Anthracene  
Concen: 5.564 ng  
RT: 11.416 min Scan# 1610  
Delta R.T. -0.006 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

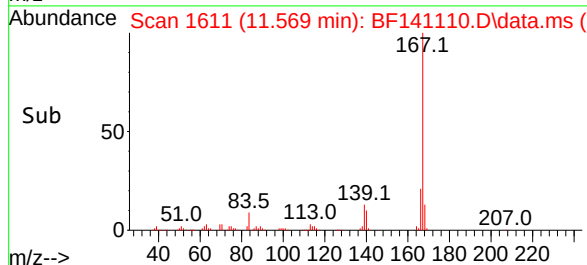
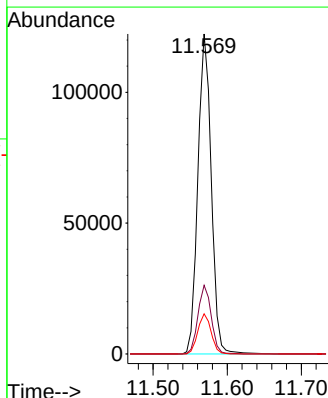
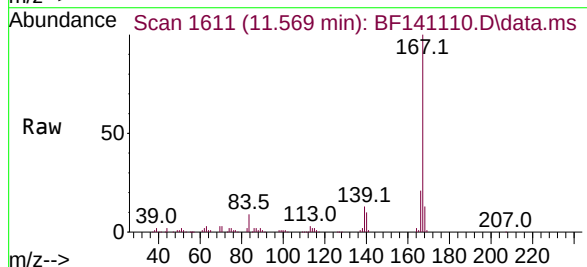
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

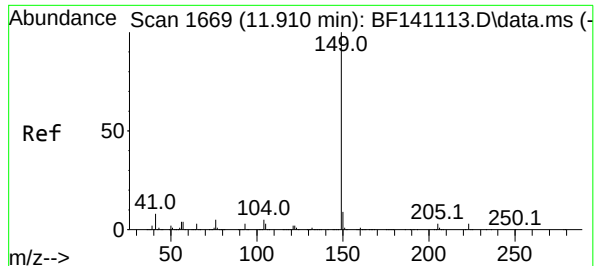
Tgt Ion:178 Resp: 168968  
Ion Ratio Lower Upper  
178 100  
176 17.8 14.9 22.3  
179 15.2 12.6 19.0



#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

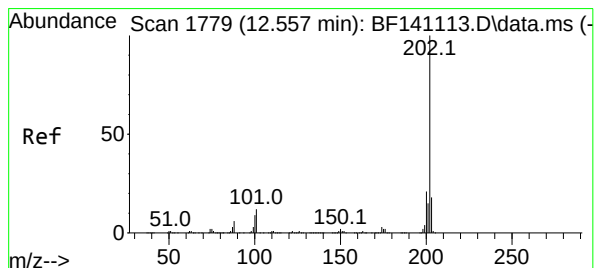
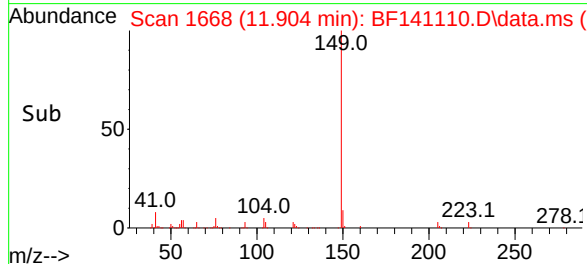
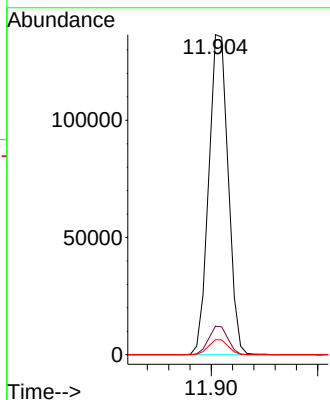
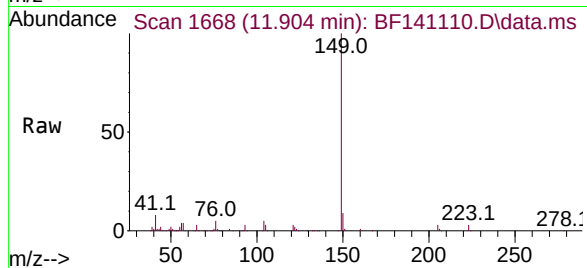




#74  
Di-n-butylphthalate  
Concen: 5.414 ng  
RT: 11.904 min Scan# 1668  
Delta R.T. -0.006 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

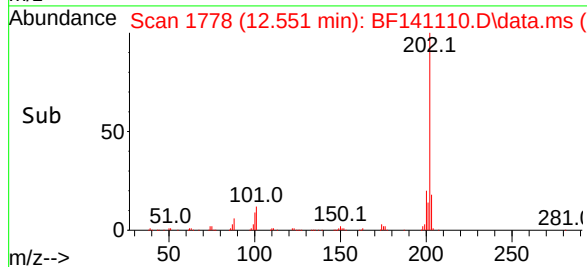
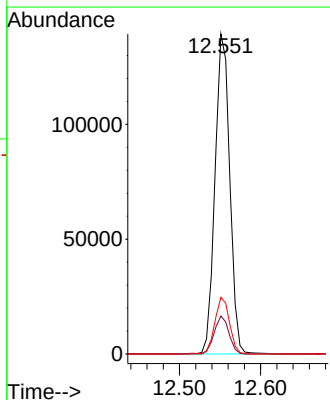
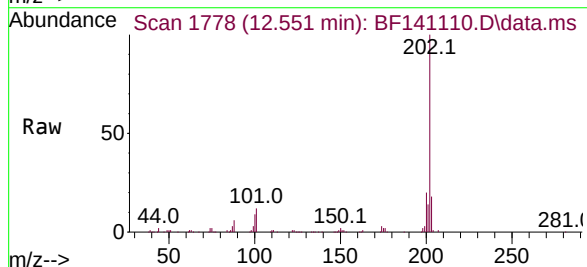
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

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

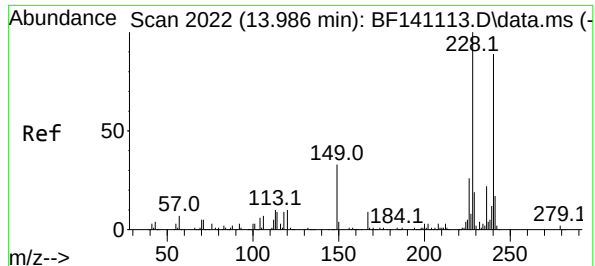


#75  
Fluoranthene  
Concen: 5.650 ng  
RT: 12.551 min Scan# 1778  
Delta R.T. -0.006 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

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



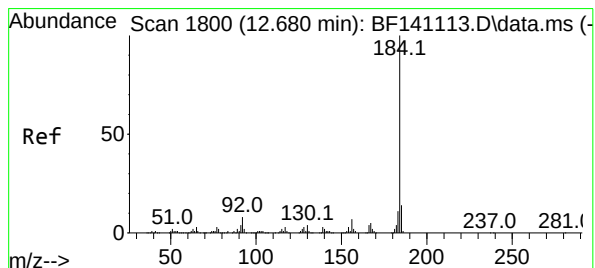
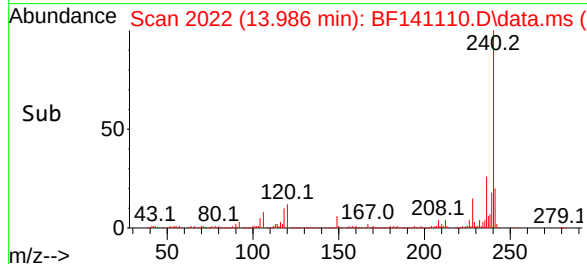
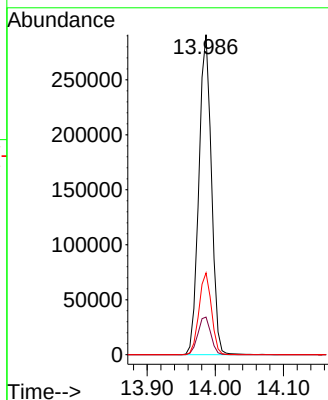
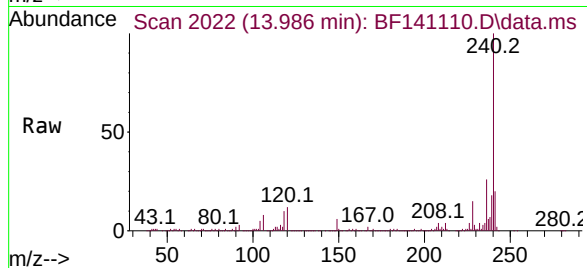




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.986 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

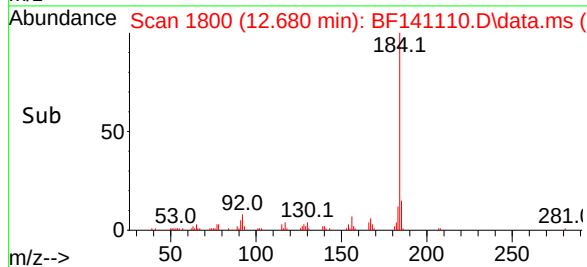
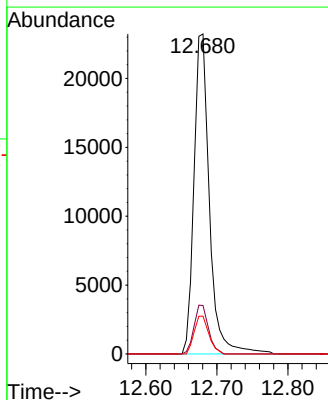
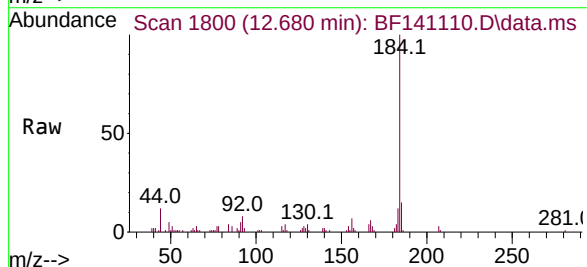
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

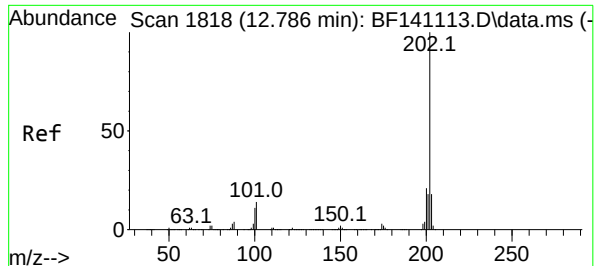
Tgt Ion:240 Resp: 370828  
Ion Ratio Lower Upper  
240 100  
120 11.7 9.1 13.7  
236 25.5 19.8 29.6



#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

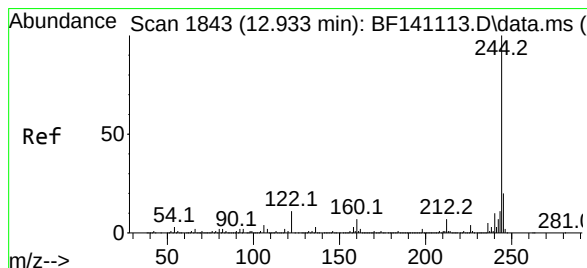
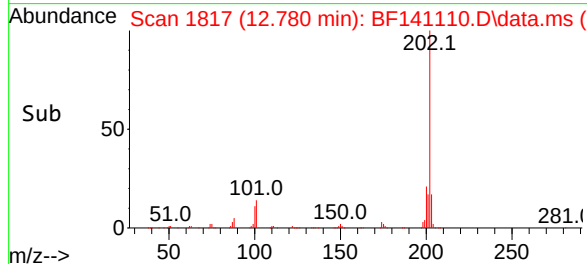
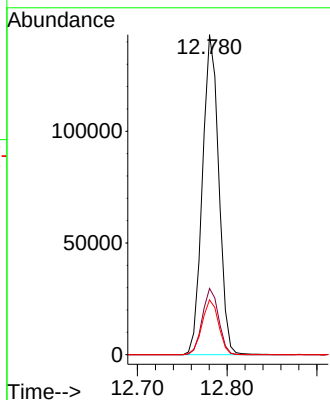
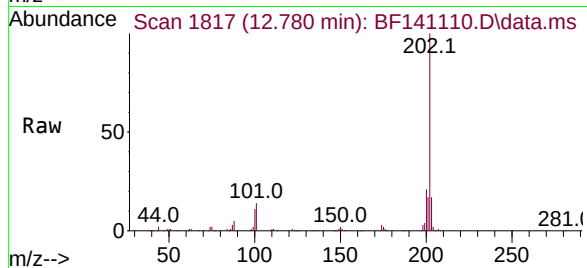




#78  
Pyrene  
Concen: 5.110 ng  
RT: 12.780 min Scan# 1818  
Delta R.T. -0.006 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

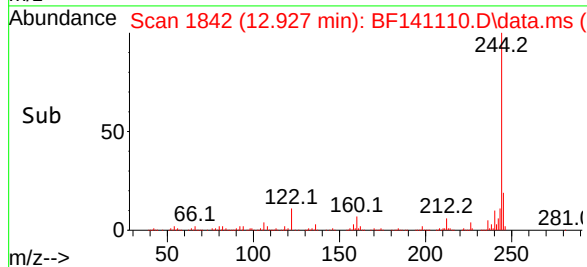
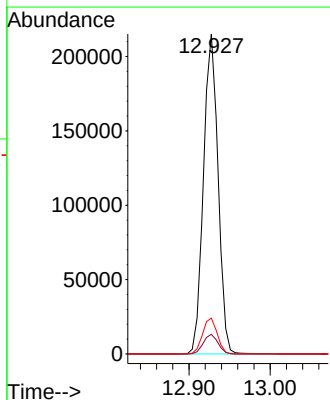
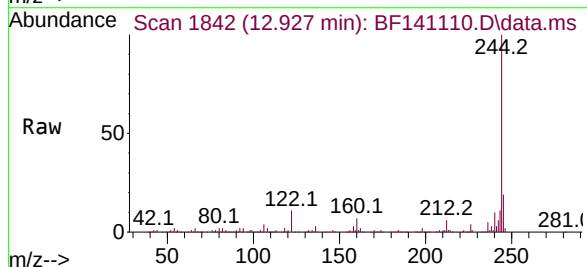
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

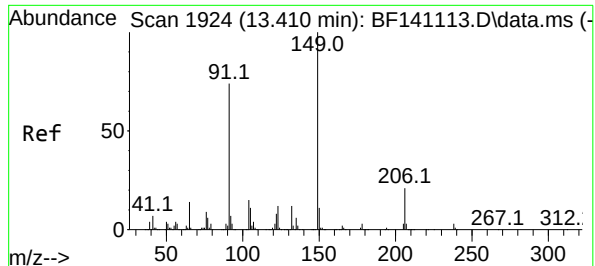
Tgt Ion:202 Resp: 180982  
Ion Ratio Lower Upper  
202 100  
200 20.7 16.8 25.2  
203 17.2 14.3 21.5



#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# 1924

Delta R.T. 0.000 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25

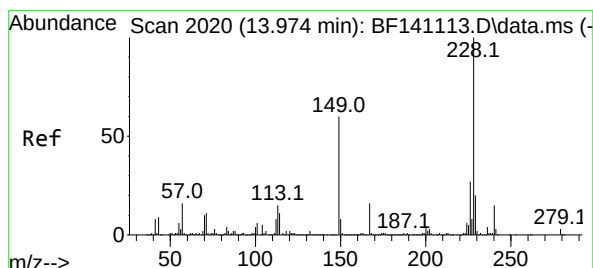
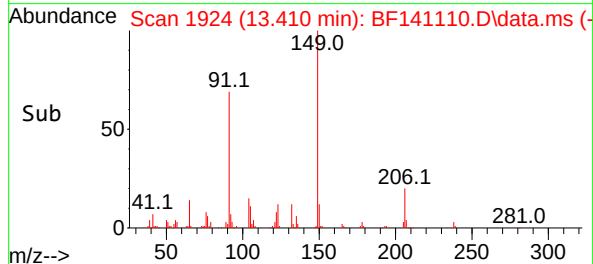
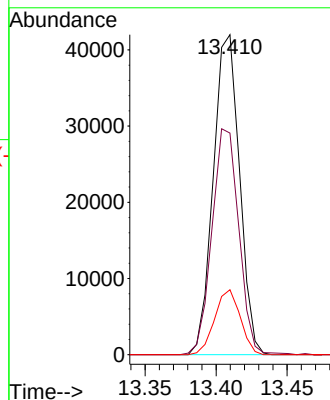
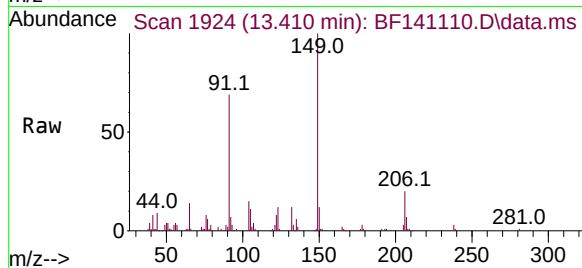
Instrument :

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

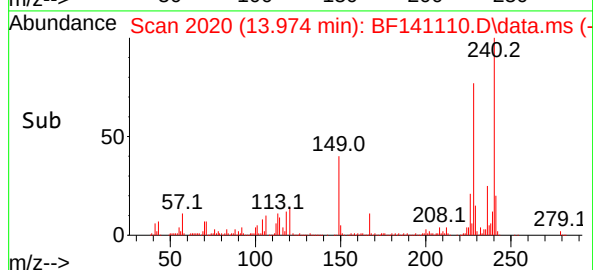
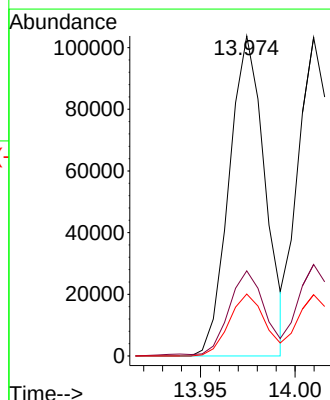
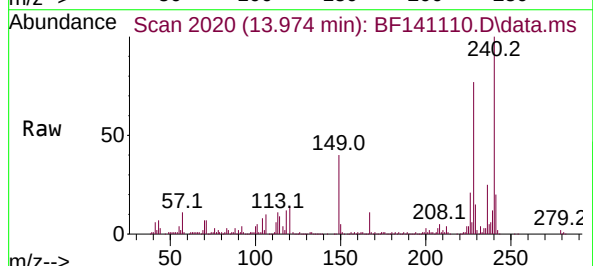
RT: 13.974 min Scan# 2020

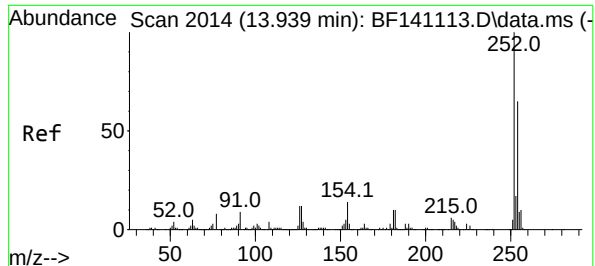
Delta R.T. 0.000 min

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# 2014

Delta R.T. 0.000 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

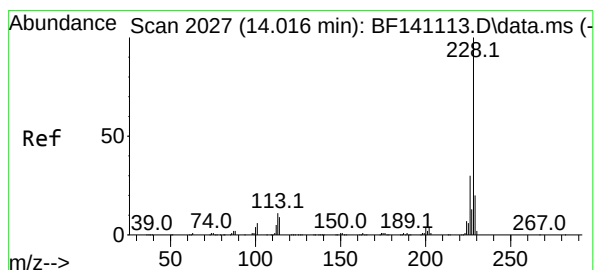
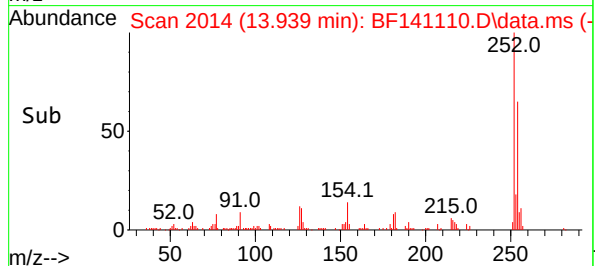
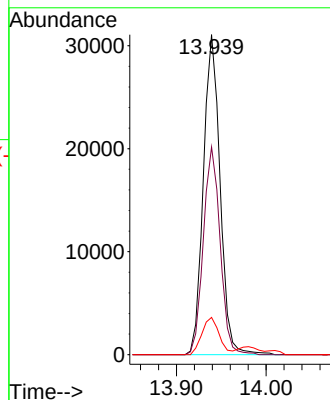
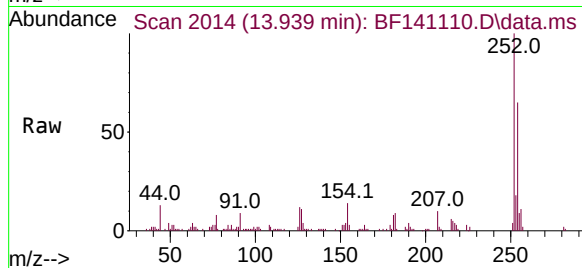
Tgt Ion:252 Resp: 40239

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

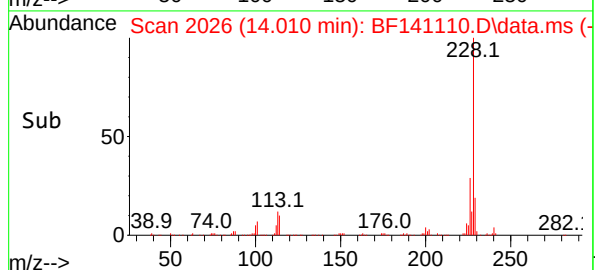
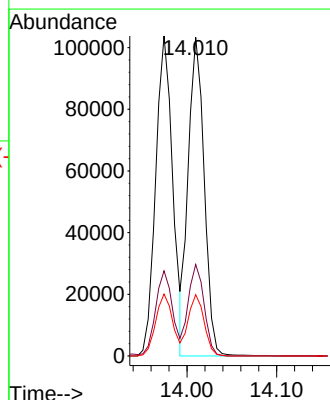
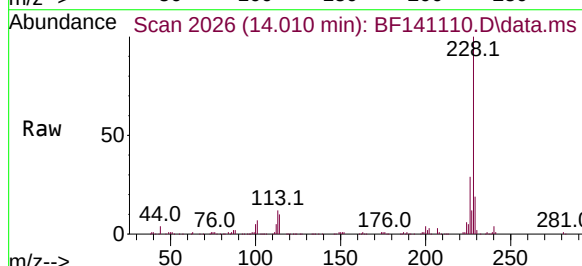
Tgt Ion:228 Resp: 128102

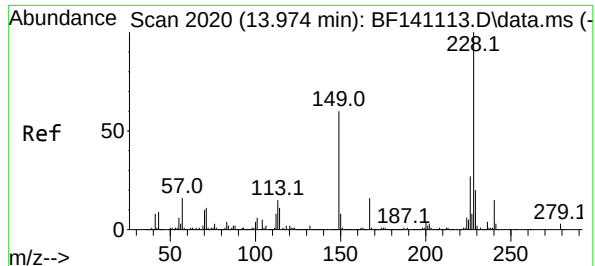
Ion Ratio Lower Upper

228 100

226 28.7 23.8 35.8

229 19.2 15.8 23.8

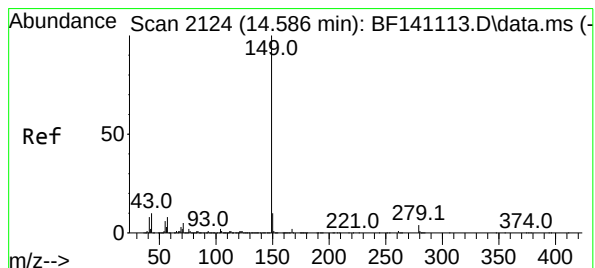
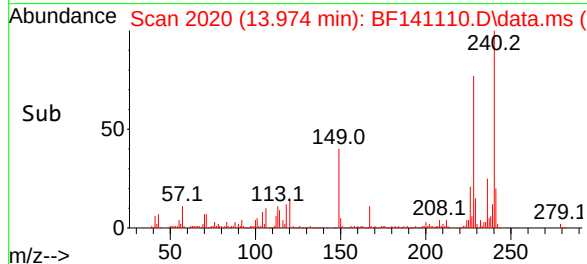
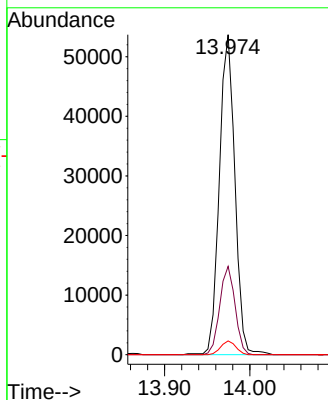
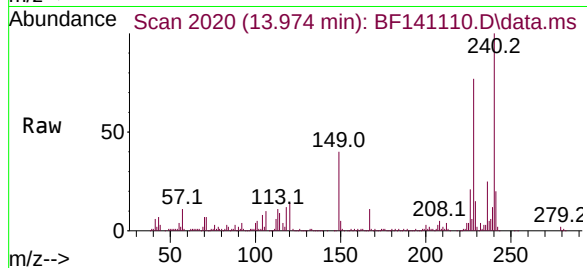




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 4.801 ng  
RT: 13.974 min Scan# 2020  
Delta R.T. 0.000 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

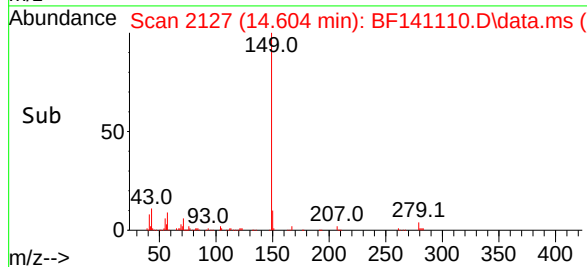
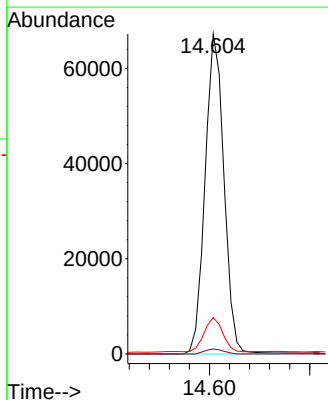
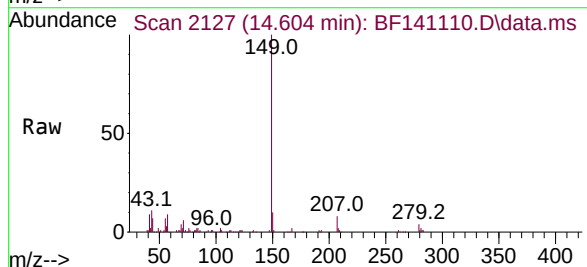
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

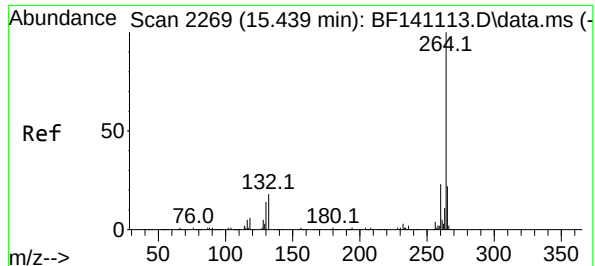
Tgt Ion:149 Resp: 68031  
Ion Ratio Lower Upper  
149 100  
167 27.6 21.4 32.2  
279 4.3 3.4 5.2



#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

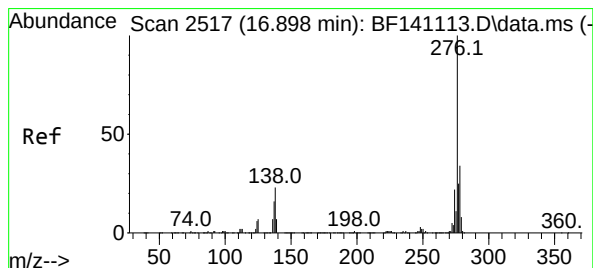
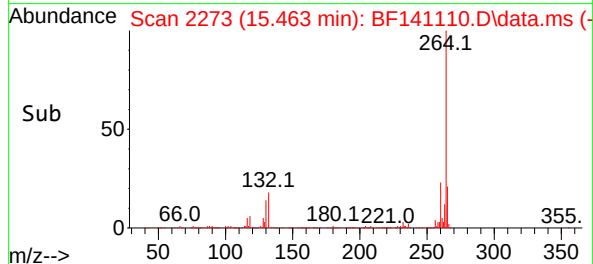
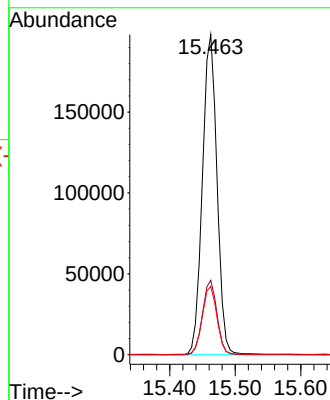
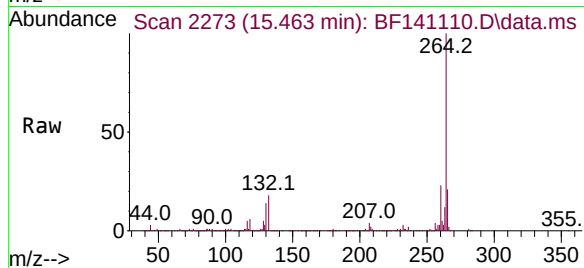




#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.463 min Scan# 21  
Delta R.T. 0.024 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

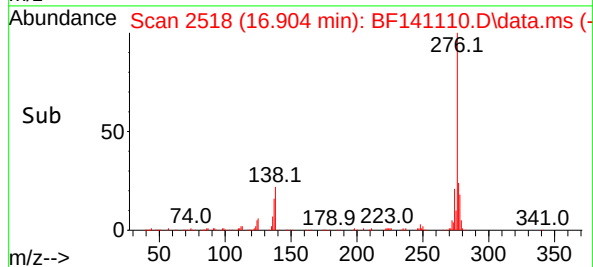
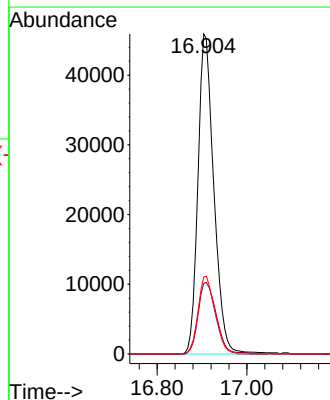
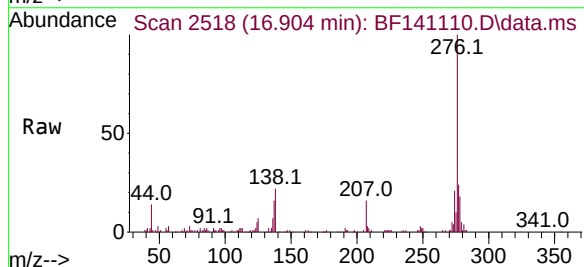
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

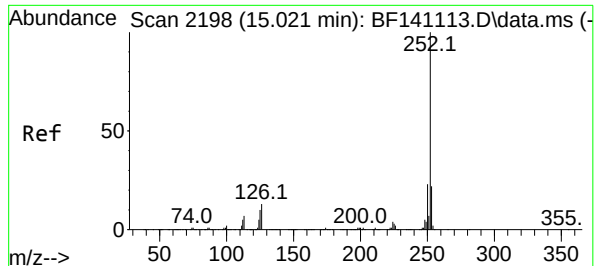
Tgt Ion:264 Resp: 306986  
Ion Ratio Lower Upper  
264 100  
260 23.3 18.6 28.0  
265 21.3 17.4 26.0



#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# 21

Delta R.T. 0.012 min

Lab File: BF141110.D

Acq: 10 Jan 2025 12:25

Instrument :

BNA\_F

ClientSampleId :

SSTDICC005

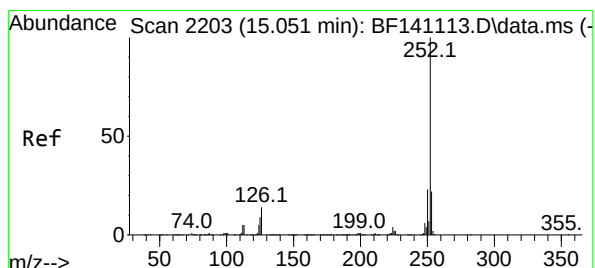
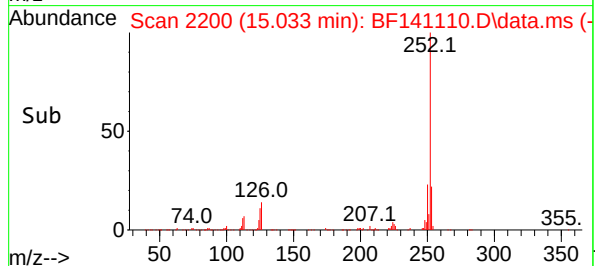
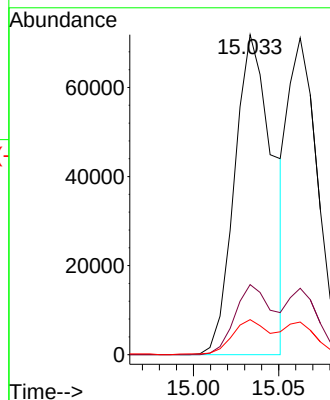
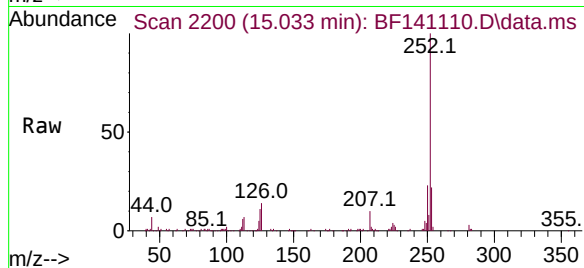
Tgt Ion:252 Resp: 112121

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

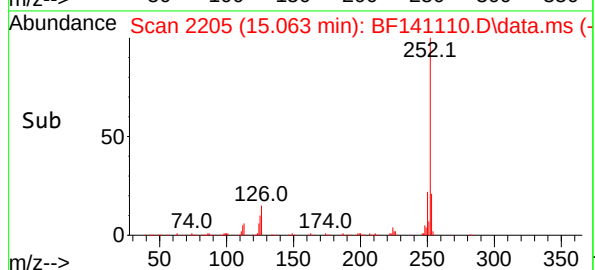
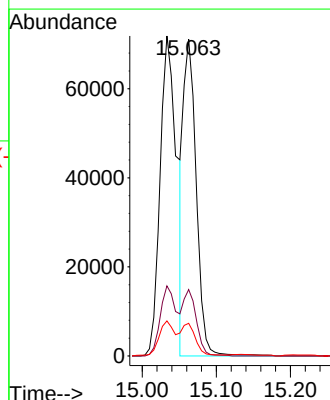
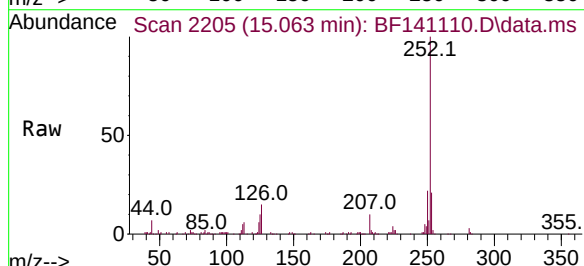
Tgt Ion:252 Resp: 86565

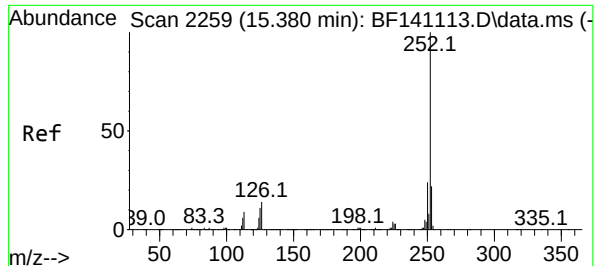
Ion Ratio Lower Upper

252 100

253 21.0 17.8 26.8

125 10.3 7.9 11.9

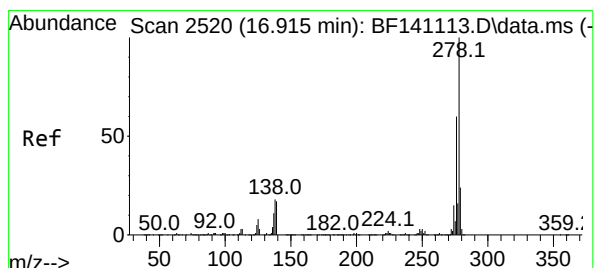
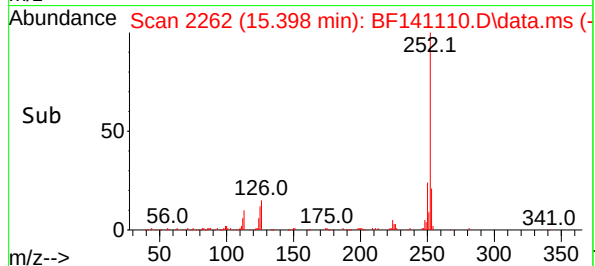
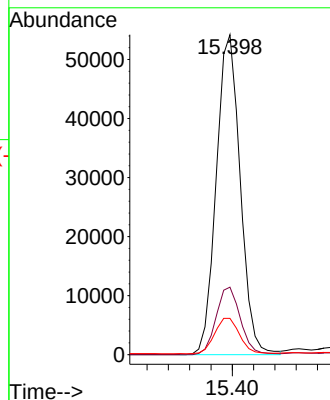
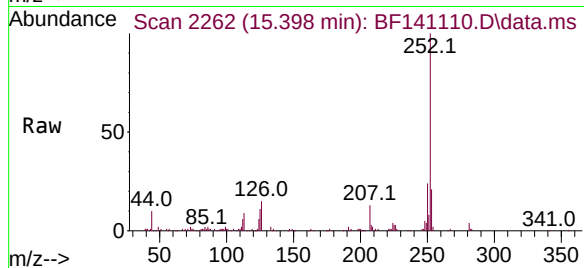




#90  
Benzo(a)pyrene  
Concen: 5.183 ng  
RT: 15.398 min Scan# 211  
Delta R.T. 0.018 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

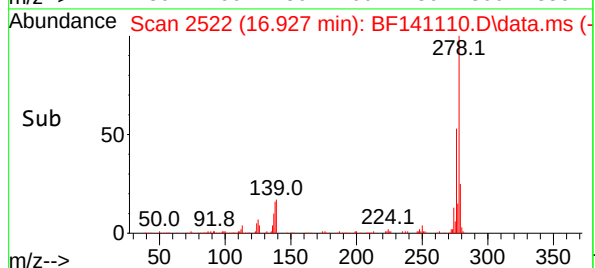
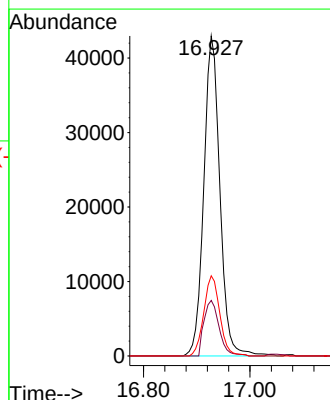
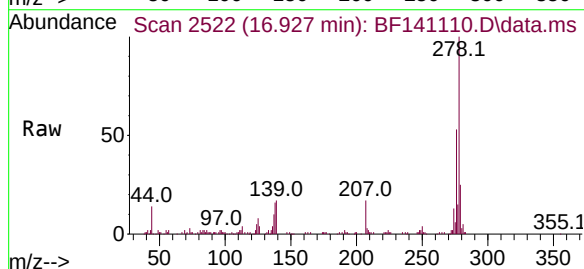
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC005

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

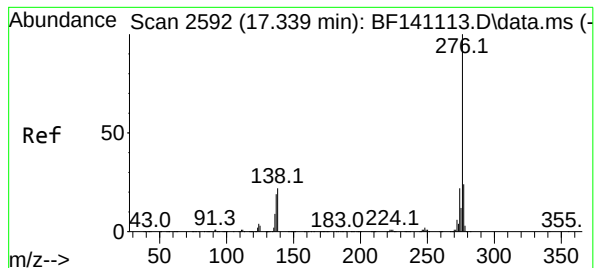


#91  
Dibenzo(a,h)anthracene  
Concen: 4.952 ng  
RT: 16.927 min Scan# 2522  
Delta R.T. 0.012 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

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

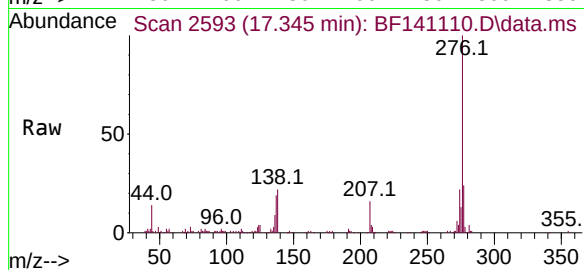




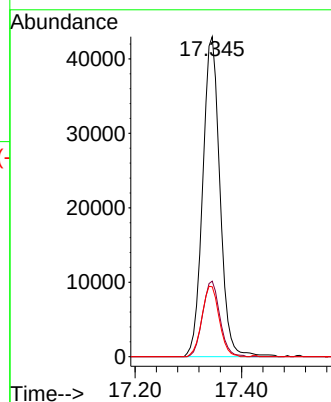
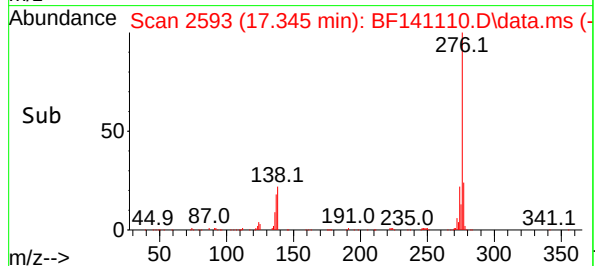


#92  
Benzo(g,h,i)perylene  
Concen: 5.096 ng  
RT: 17.345 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: BF141110.D  
Acq: 10 Jan 2025 12:25

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



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       |

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

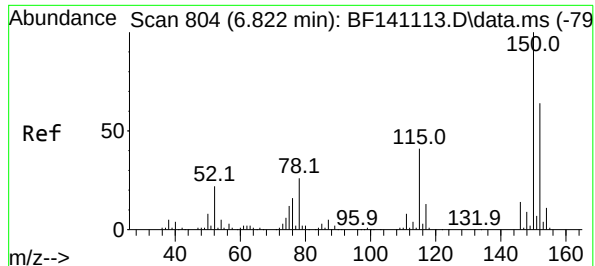
Quant Time: Jan 10 22:18:37 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 10 22:16:11 2025  
 Response via : Initial Calibration

| 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

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDICC010

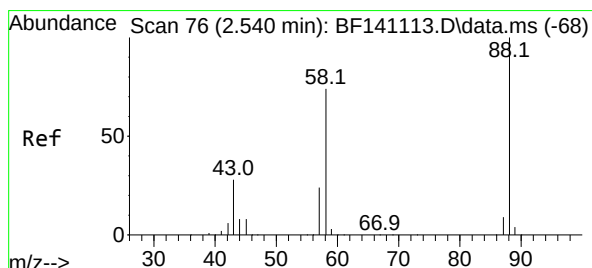
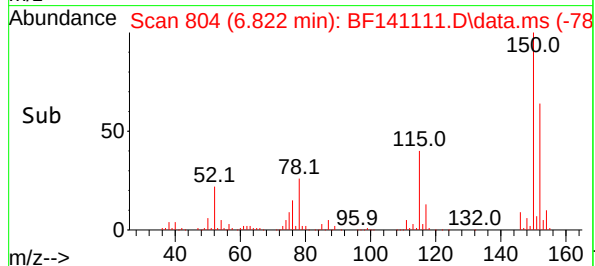
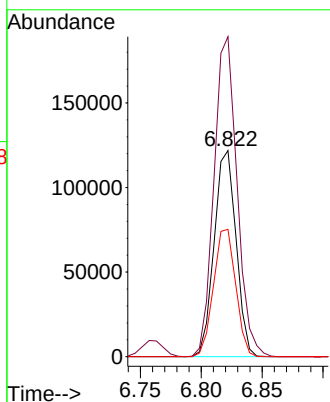
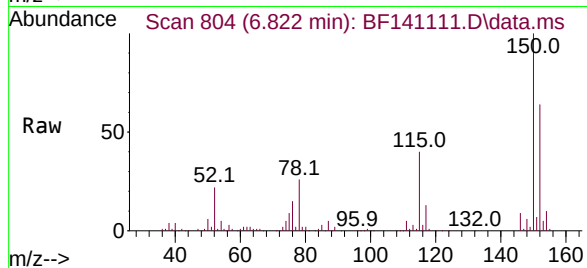
[illegible]



#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

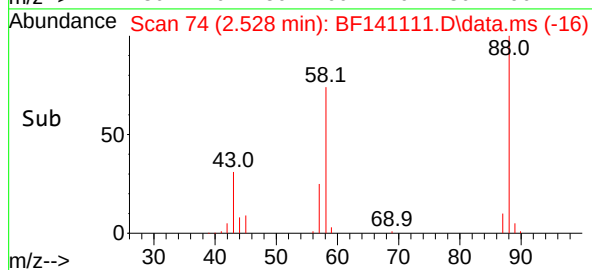
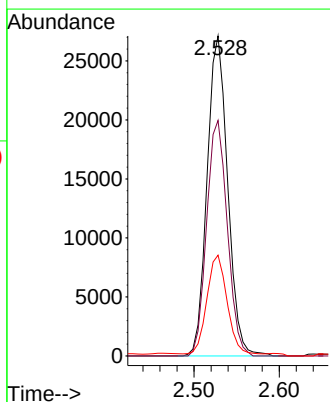
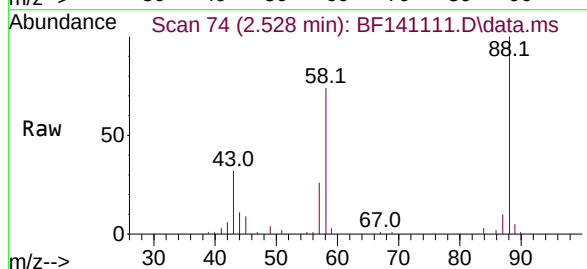
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

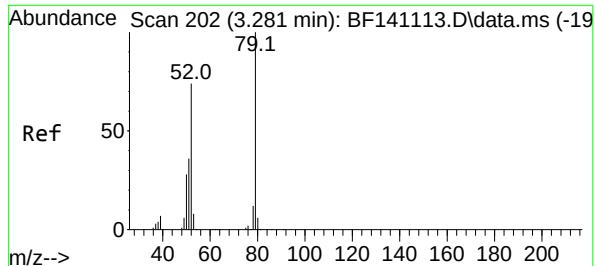
Tgt Ion:152 Resp: 152818  
Ion Ratio Lower Upper  
152 100  
150 155.3 125.8 188.8  
115 61.8 51.4 77.2



#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# 20

Delta R.T. -0.012 min

Lab File: BF141111.D

Acq: 10 Jan 2025 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

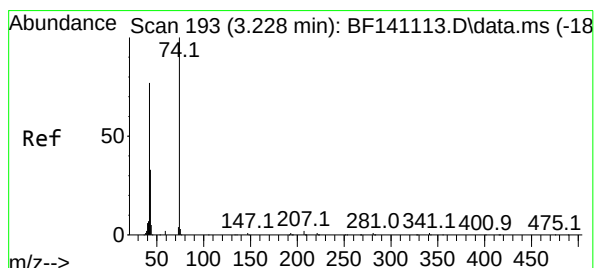
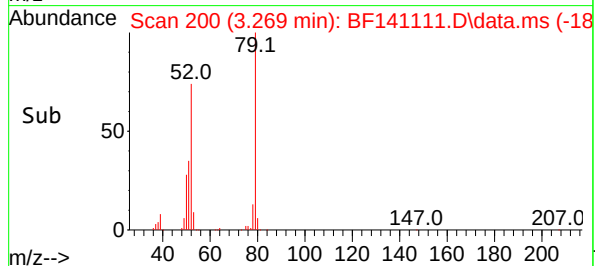
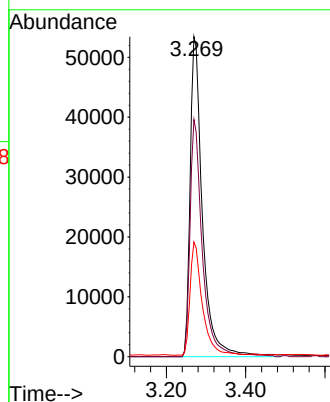
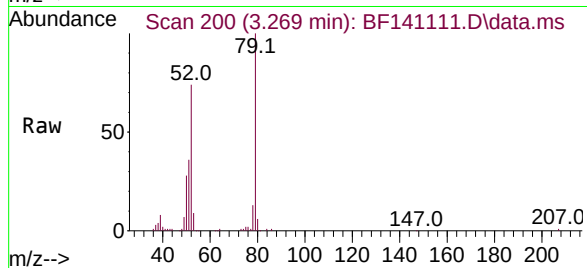
Tgt Ion: 79 Resp: 116138

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

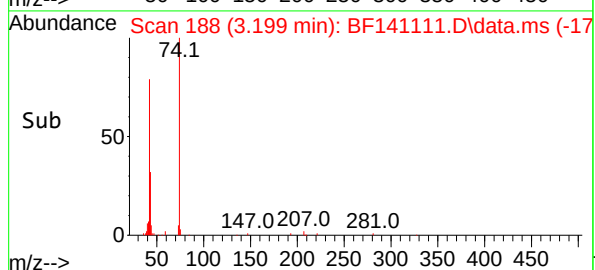
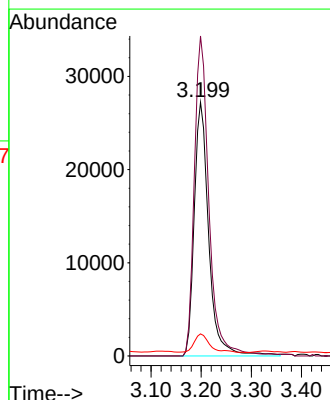
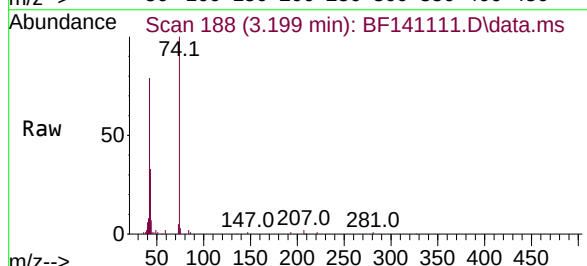
Tgt Ion: 42 Resp: 54661

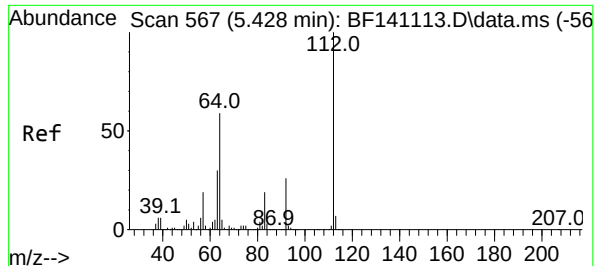
Ion Ratio Lower Upper

42 100

74 126.1 103.8 155.6

44 8.7 5.3 7.9#

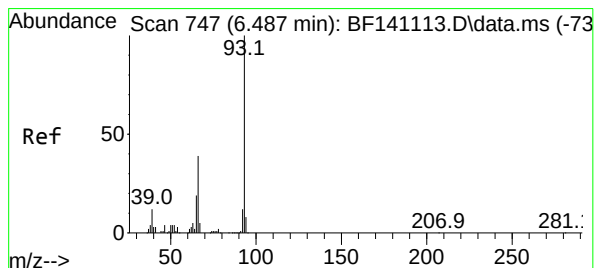
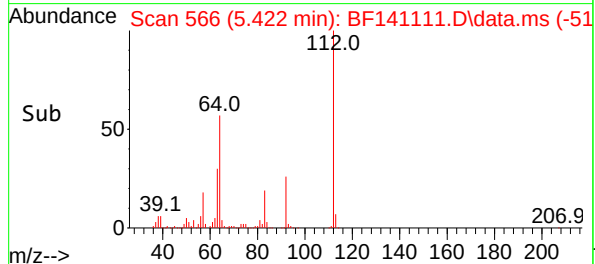
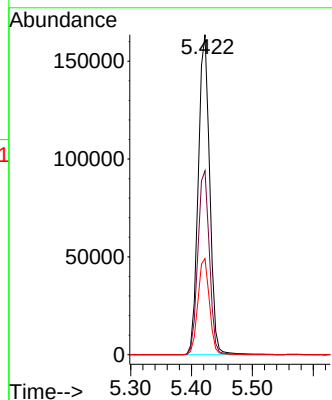
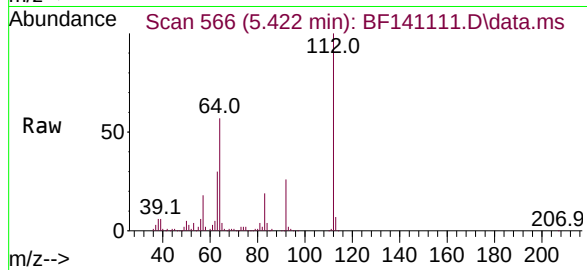




#5  
2-Fluorophenol  
Concen: 21.626 ng  
RT: 5.422 min Scan# 501  
Delta R.T. -0.006 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

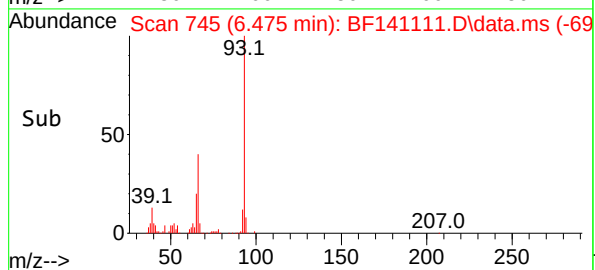
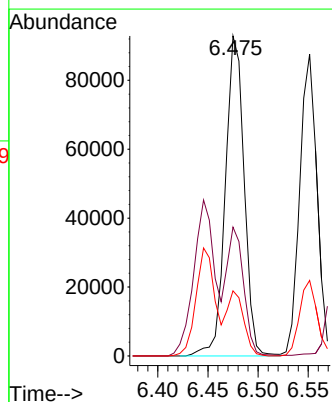
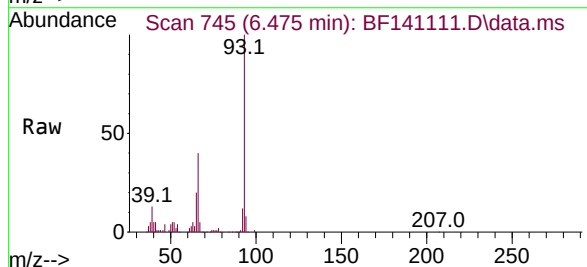
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

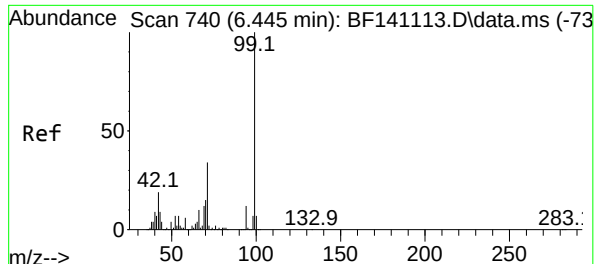
Tgt Ion:112 Resp: 213934  
Ion Ratio Lower Upper  
112 100  
64 57.5 47.3 70.9  
63 30.0 24.2 36.2



#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# 710

Delta R.T. -0.012 min

Lab File: BF141111.D

Acq: 10 Jan 2025 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDIC010

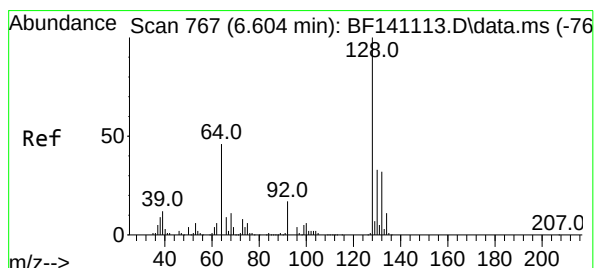
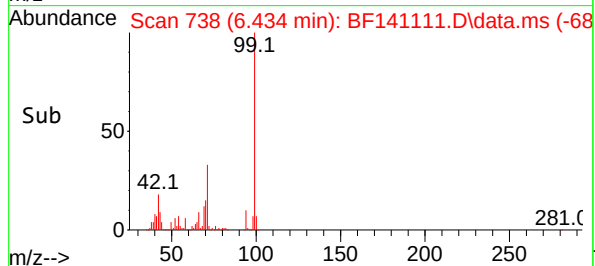
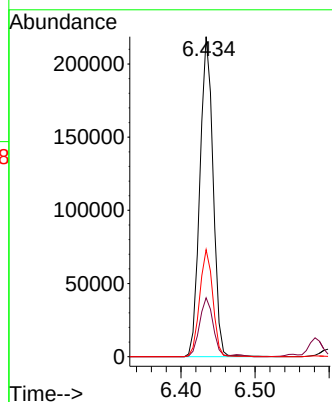
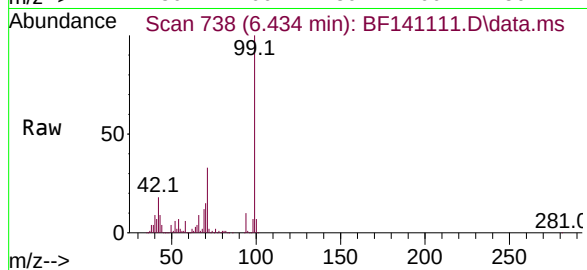
Tgt Ion: 99 Resp: 271016

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

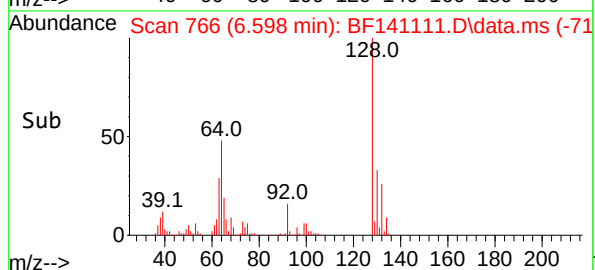
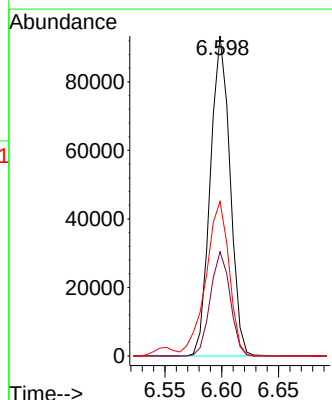
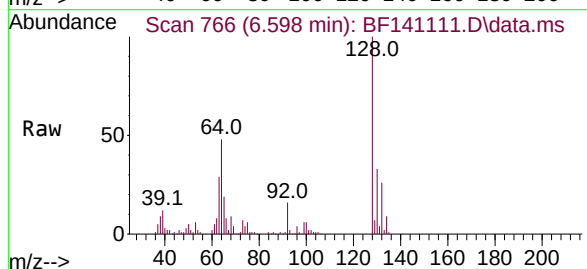
Tgt Ion: 128 Resp: 112757

Ion Ratio Lower Upper

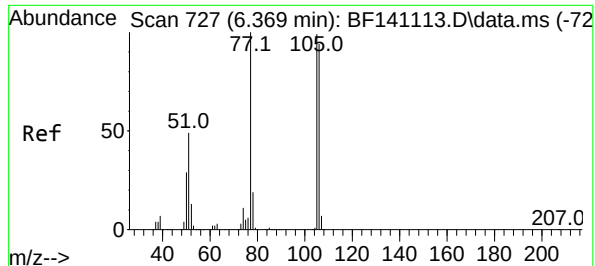
128 100

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# 71

Delta R.T. 0.000 min

Lab File: BF141111.D

Acq: 10 Jan 2025 13:17

Instrument :

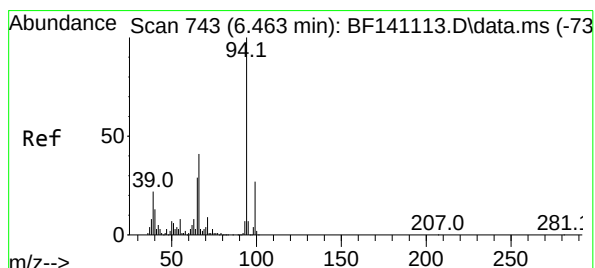
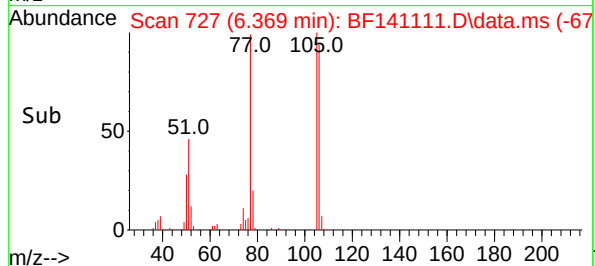
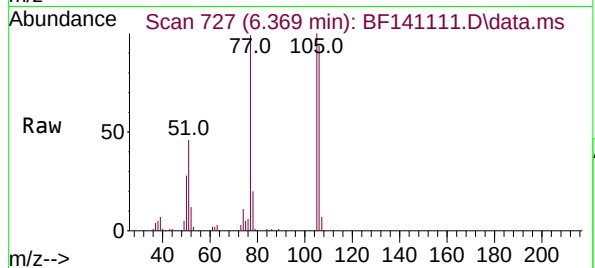
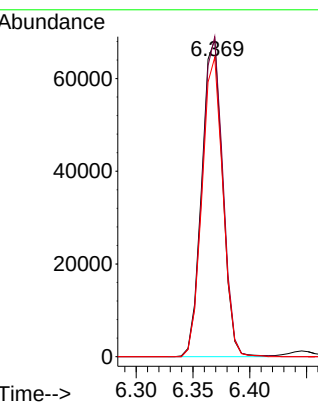
BNA\_F

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

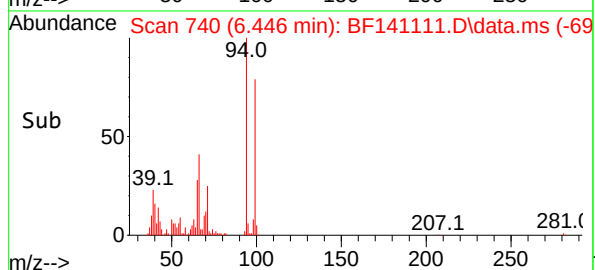
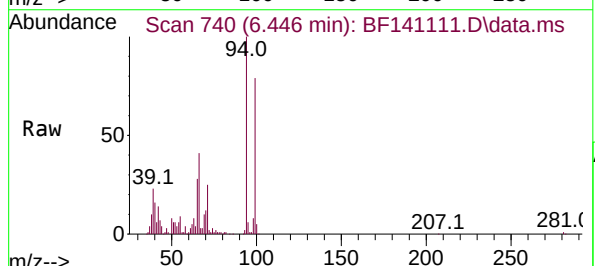
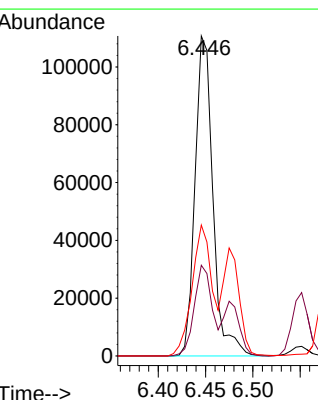
Delta R.T. -0.018 min

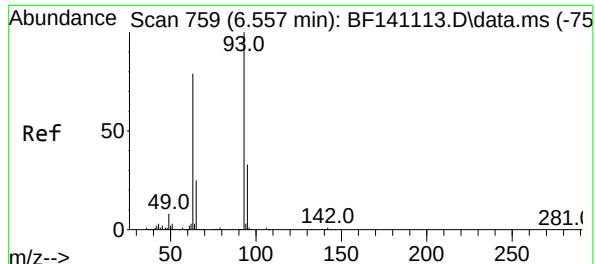
Lab File: BF141111.D

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# 70

Delta R.T. -0.006 min

Lab File: BF141111.D

Acq: 10 Jan 2025 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDIC010

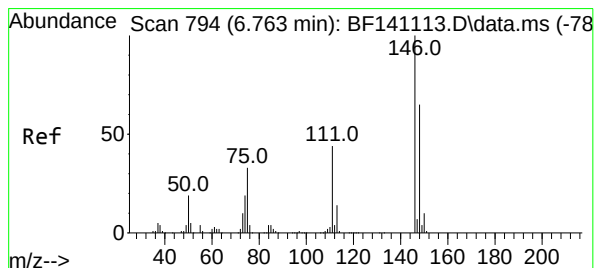
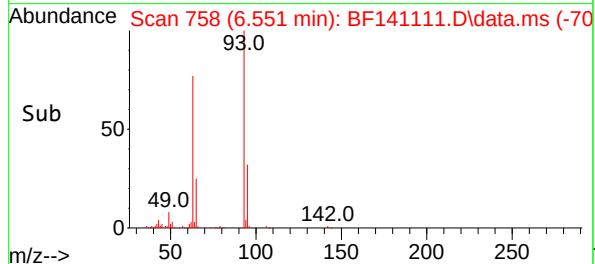
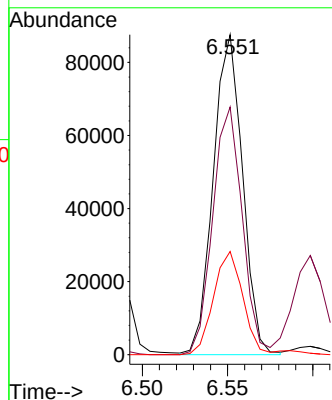
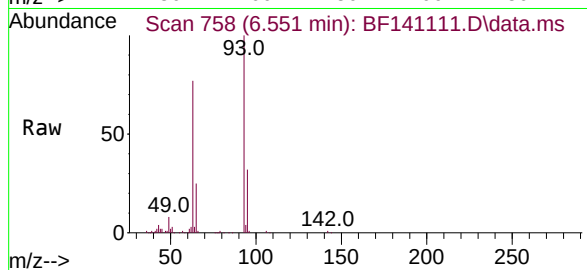
Tgt Ion: 93 Resp: 104839

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

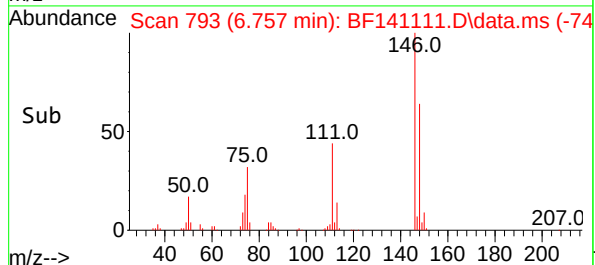
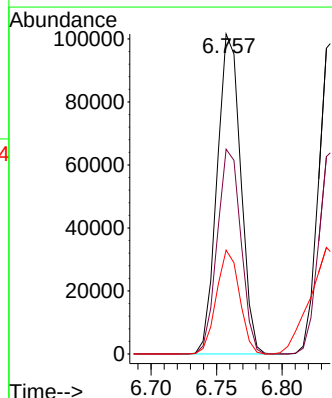
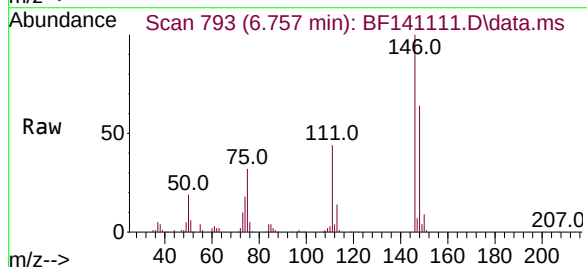
Tgt Ion:146 Resp: 127000

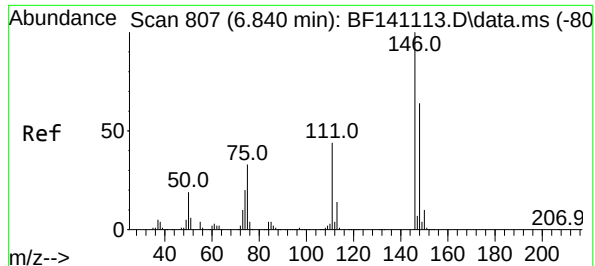
Ion Ratio Lower Upper

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# 807

Delta R.T. 0.000 min

Lab File: BF141111.D

Acq: 10 Jan 2025 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

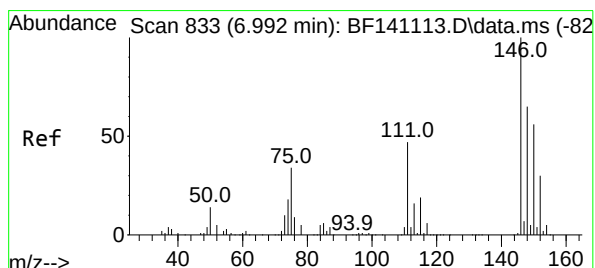
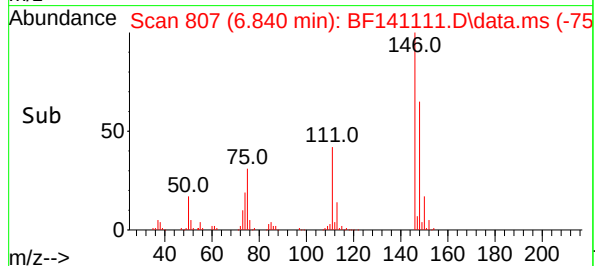
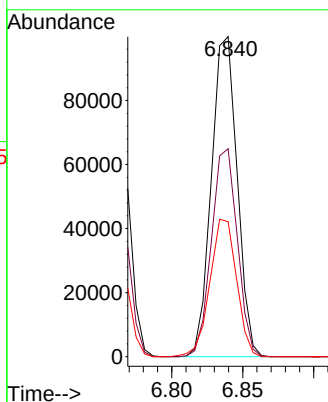
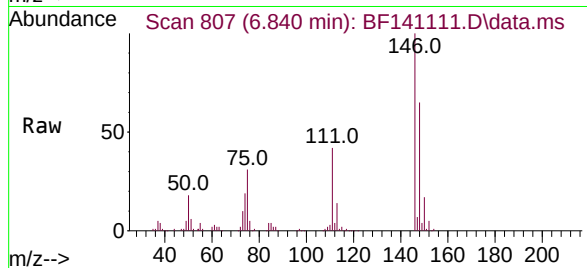
Tgt Ion:146 Resp: 126297

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

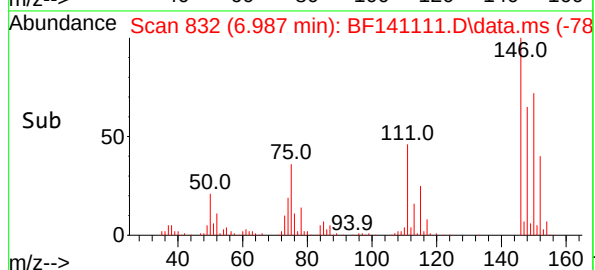
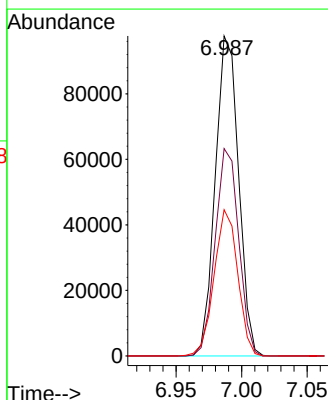
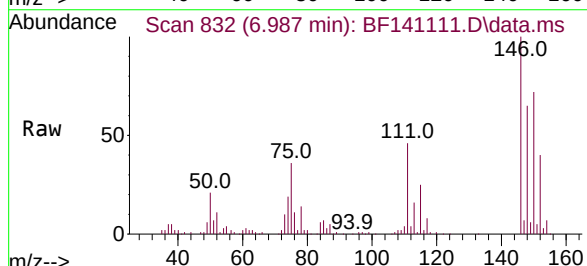
Tgt Ion:146 Resp: 120656

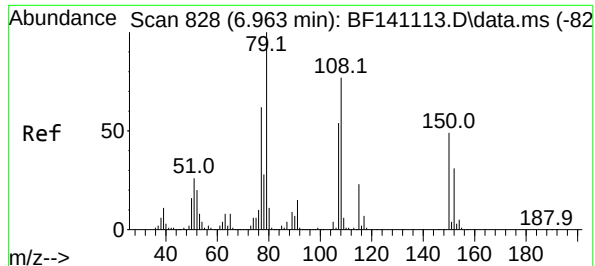
Ion Ratio Lower Upper

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# 81

Delta R.T. -0.012 min

Lab File: BF141111.D

Acq: 10 Jan 2025 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

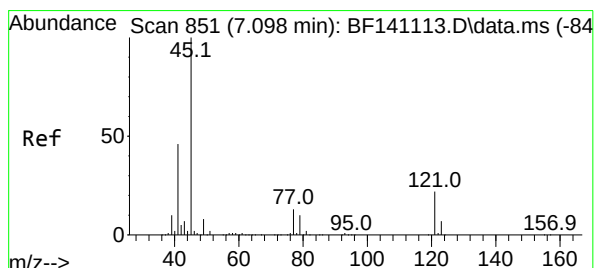
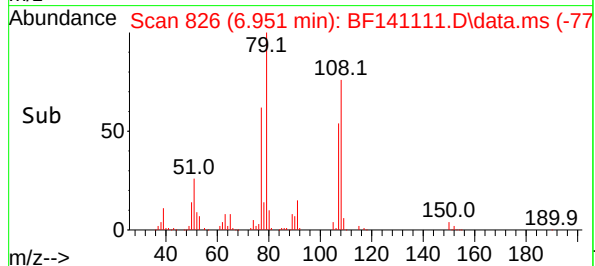
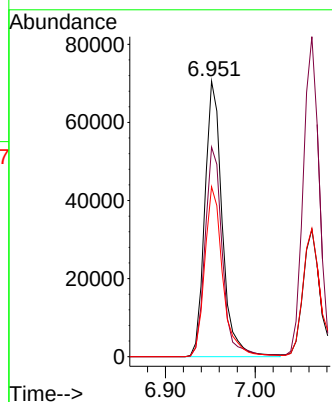
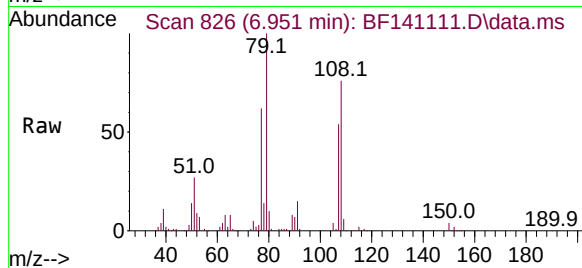
Tgt Ion: 79 Resp: 94737

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

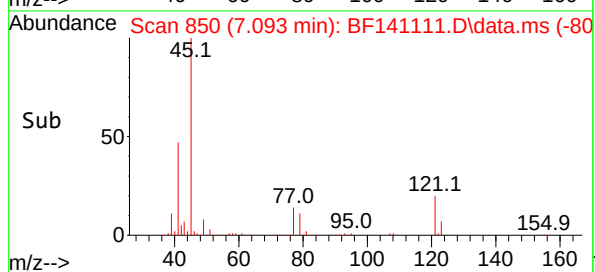
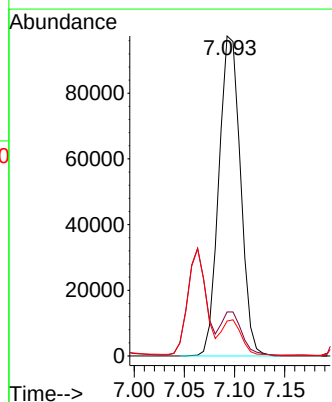
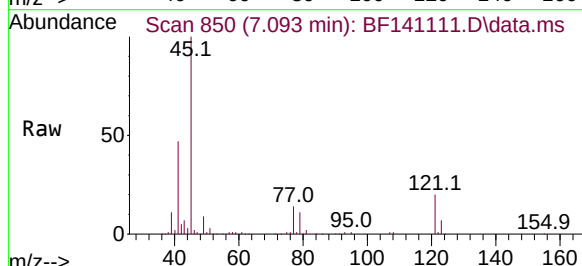
Tgt Ion: 45 Resp: 146135

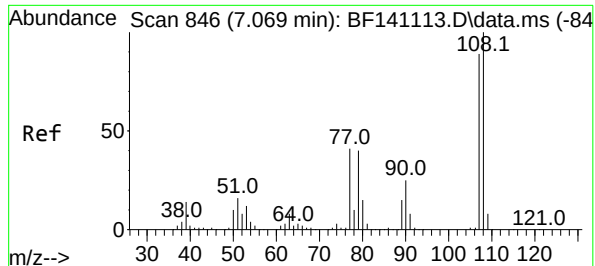
Ion Ratio Lower Upper

45 100

77 13.8 0.0 34.1

79 10.9 0.0 31.0

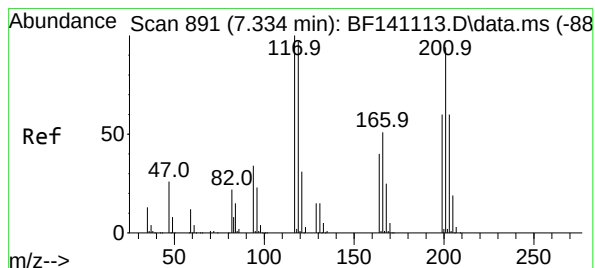
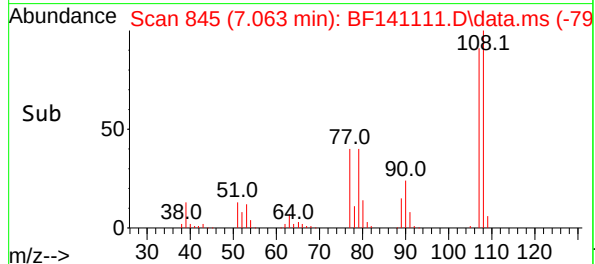
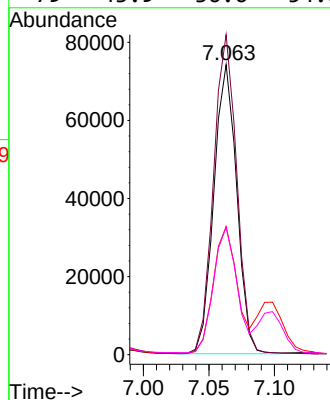
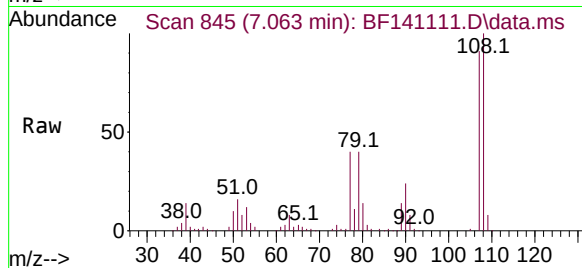




#17  
2-Methylphenol  
Concen: 10.478 ng  
RT: 7.063 min Scan# 846  
Delta R.T. -0.006 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

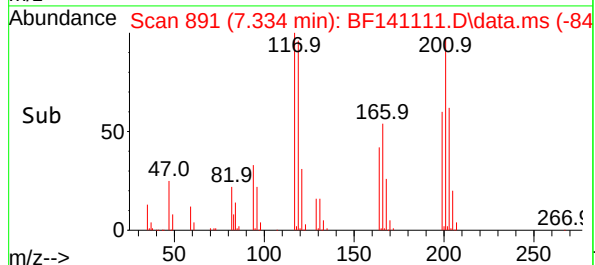
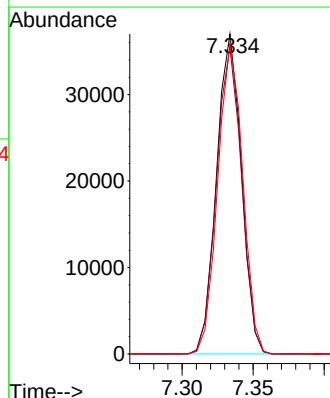
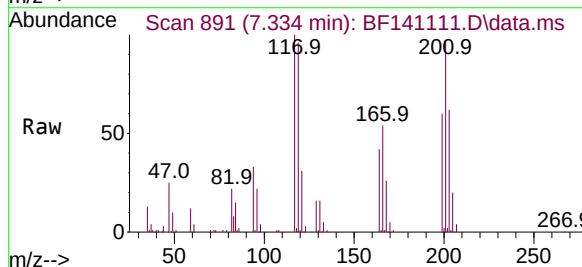
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

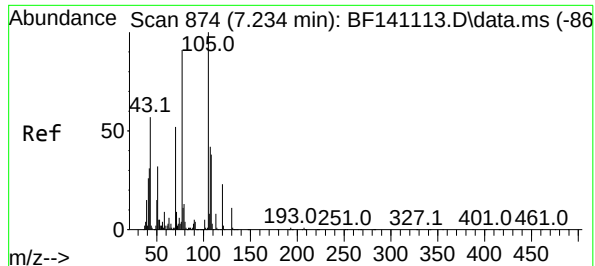
Tgt Ion:107 Resp: 89782  
Ion Ratio Lower Upper  
107 100  
108 110.3 90.1 135.1  
77 44.2 36.6 55.0  
79 43.9 36.6 54.8



#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# 81

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

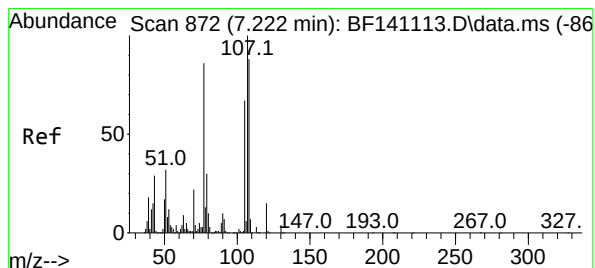
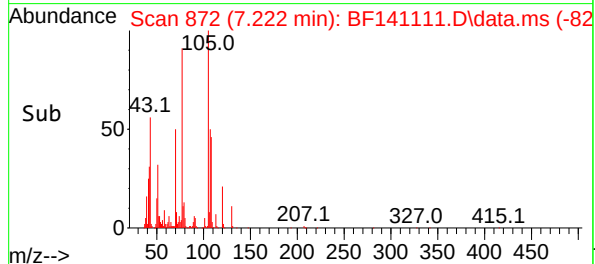
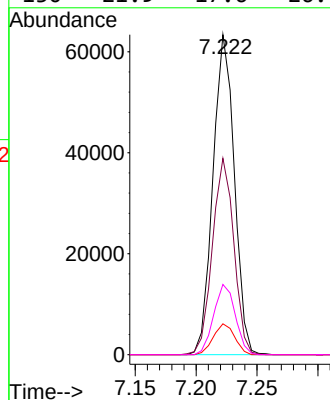
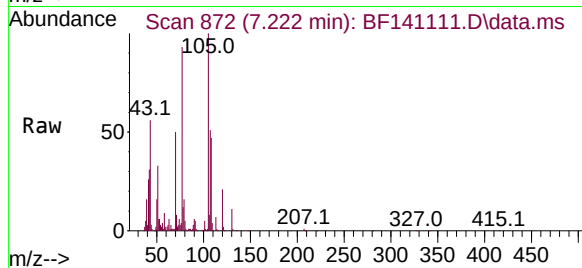
Ion Ratio Lower Upper

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

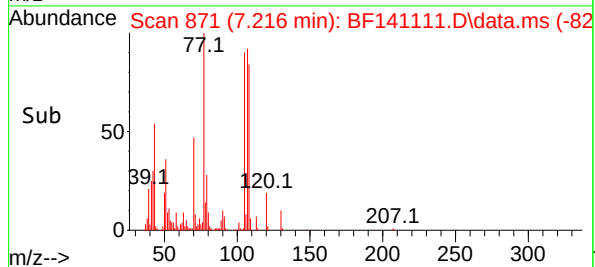
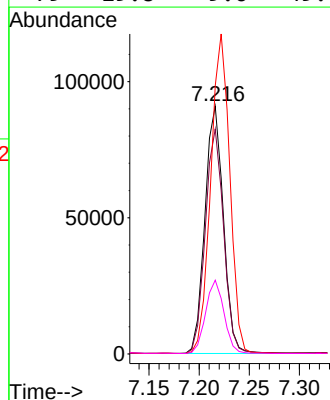
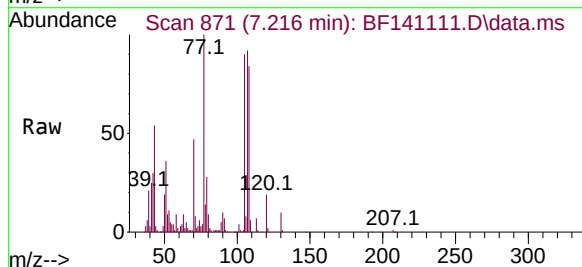
Ion Ratio Lower Upper

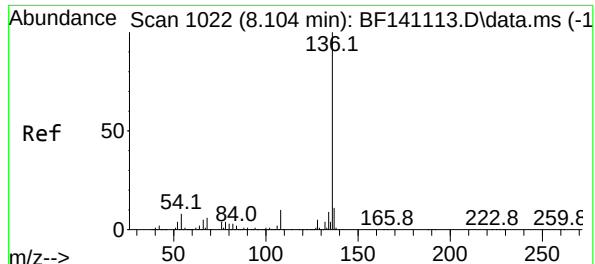
107 100

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# 10

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

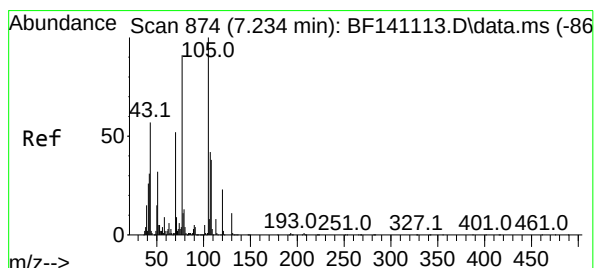
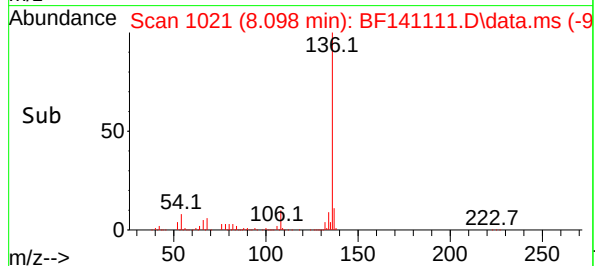
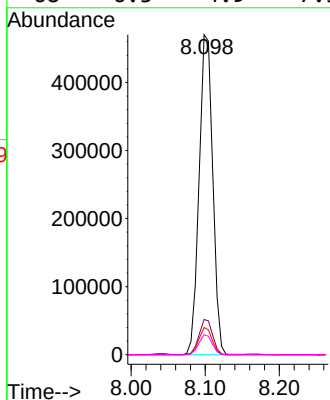
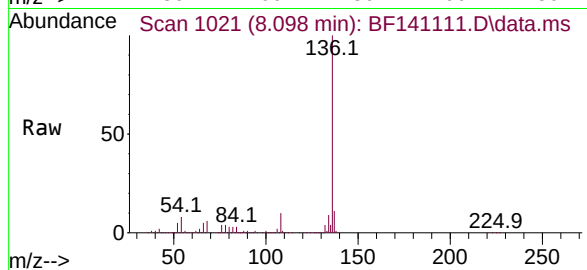
Ion Ratio Lower Upper

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

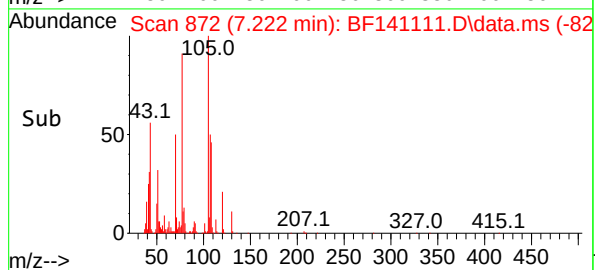
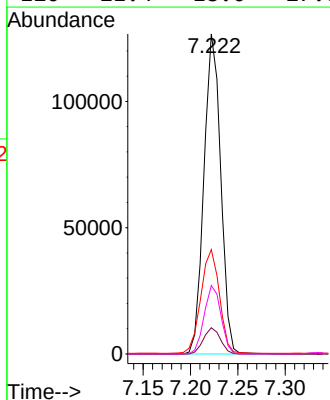
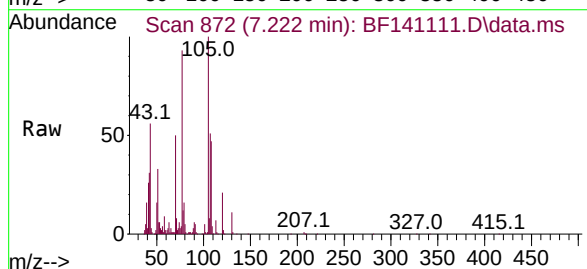
Ion Ratio Lower Upper

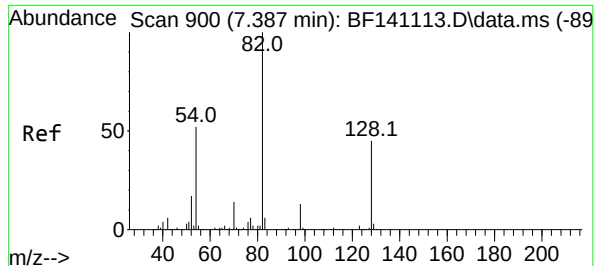
105 100

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# 89

Delta R.T. -0.012 min

Lab File: BF141111.D

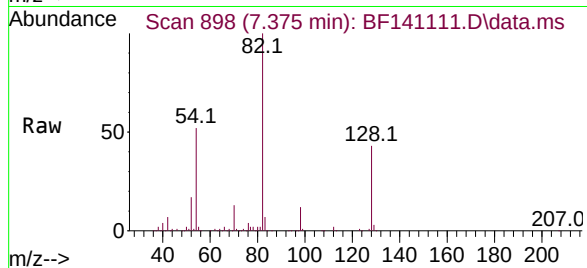
Acq: 10 Jan 2025 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010



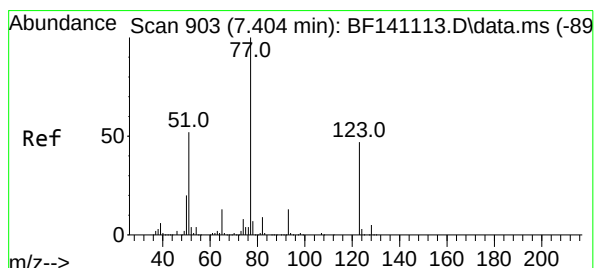
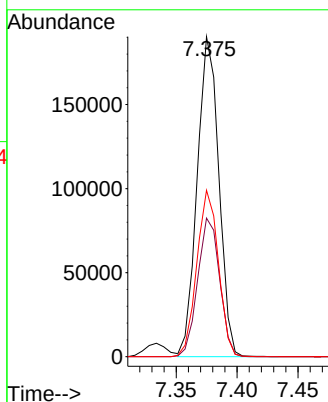
Tgt Ion: 82 Resp: 235613

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

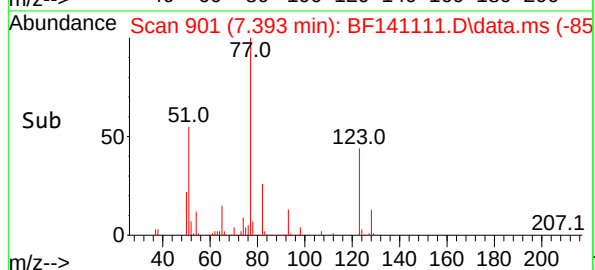
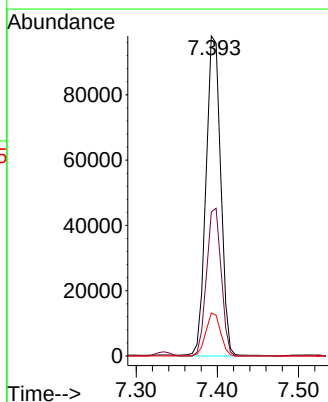
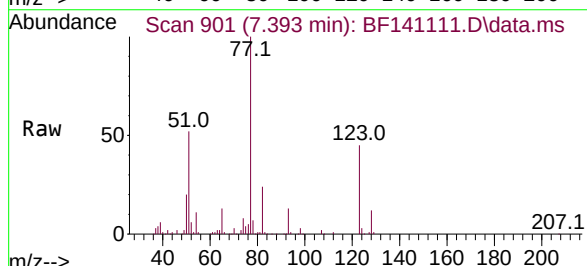
Tgt Ion: 77 Resp: 123929

Ion Ratio Lower Upper

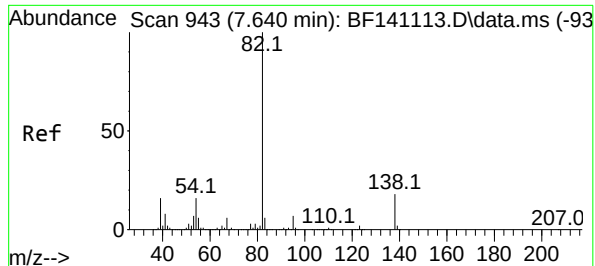
77 100

123 45.1 37.7 56.5

65 13.4 10.6 16.0



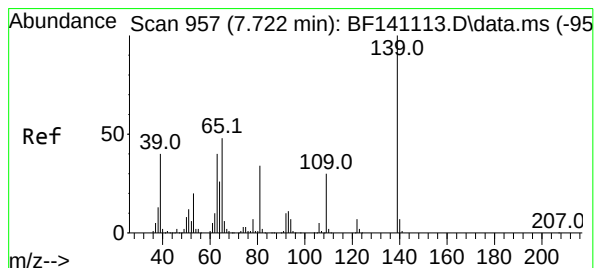
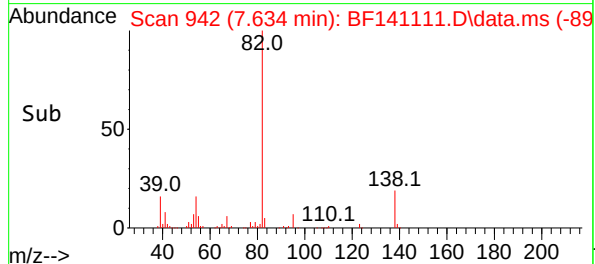
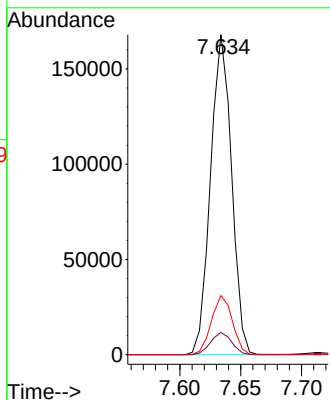
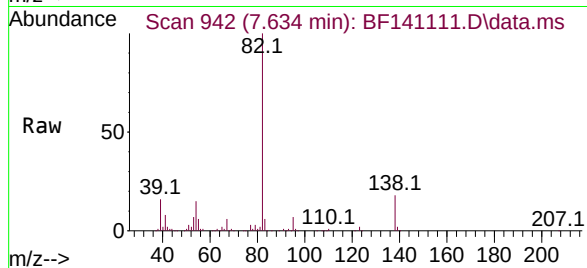




#25  
Isophorone  
Concen: 10.363 ng  
RT: 7.634 min Scan# 943  
Delta R.T. -0.006 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

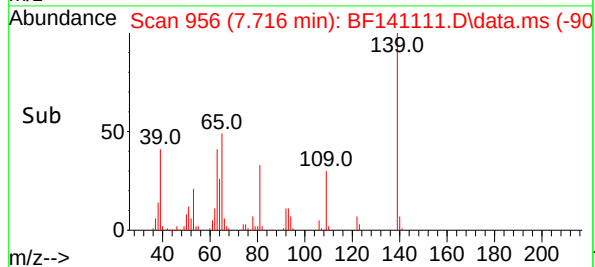
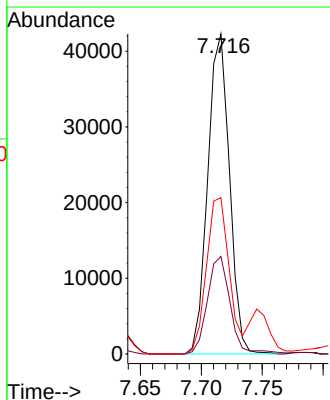
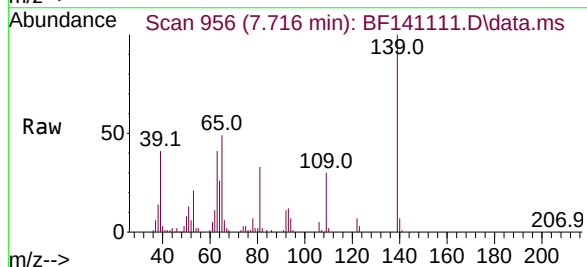
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

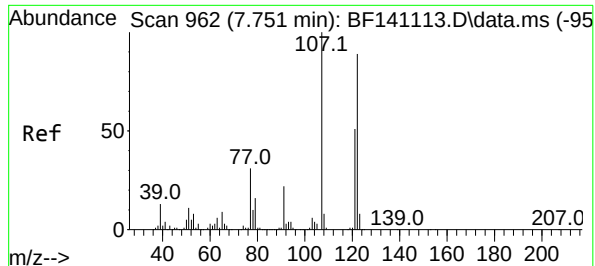
Tgt Ion: 82 Resp: 201958  
Ion Ratio Lower Upper  
82 100  
95 6.9 5.9 8.9  
138 18.4 14.2 21.2



#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# 90

Delta R.T. -0.006 min

Lab File: BF141111.D

Acq: 10 Jan 2025 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

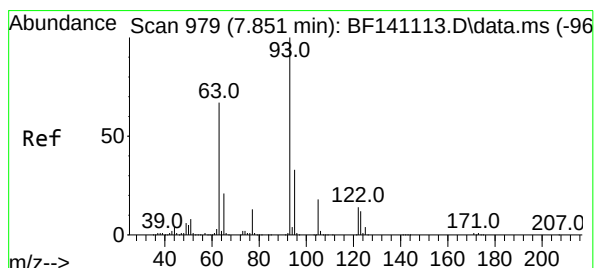
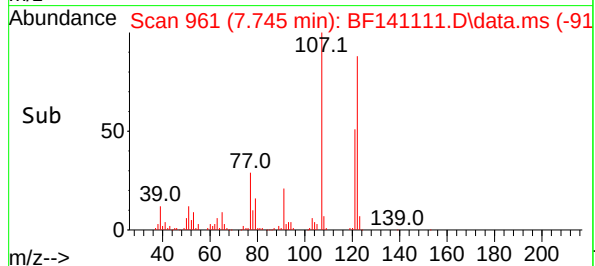
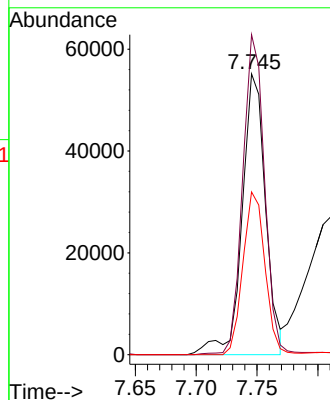
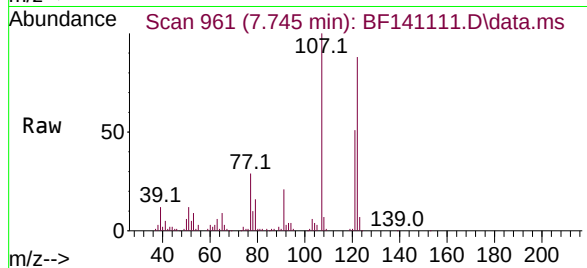
Tgt Ion:122 Resp: 73818

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

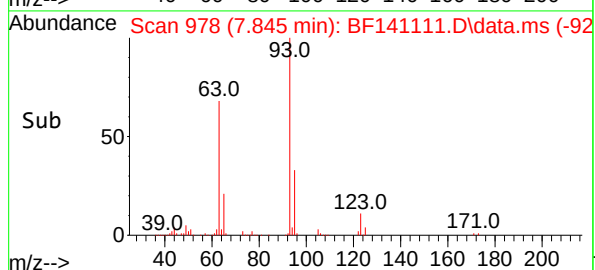
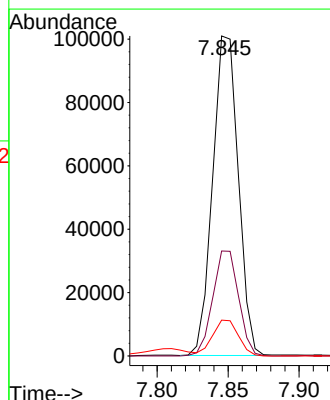
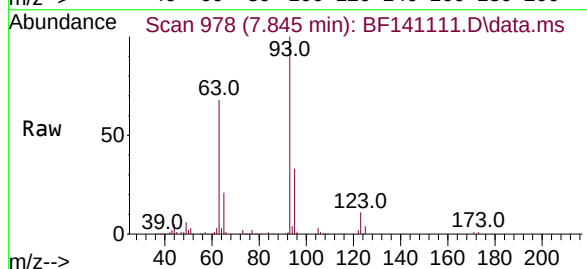
Tgt Ion: 93 Resp: 126489

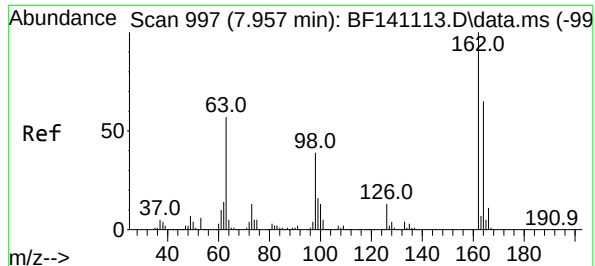
Ion Ratio Lower Upper

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# 99

Delta R.T. -0.006 min

Lab File: BF141111.D

Acq: 10 Jan 2025 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

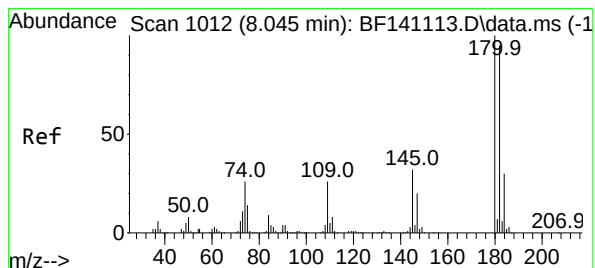
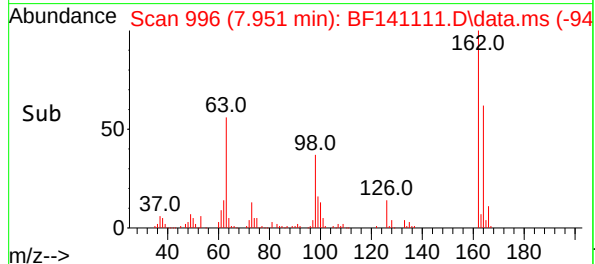
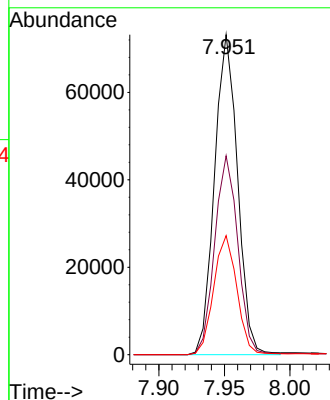
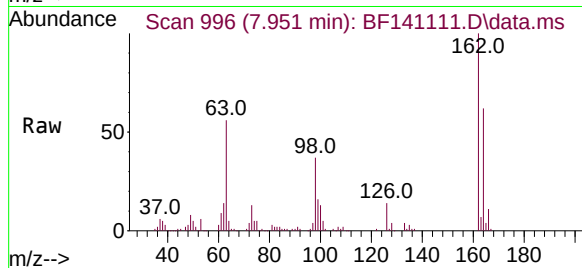
Tgt Ion:162 Resp: 89559

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

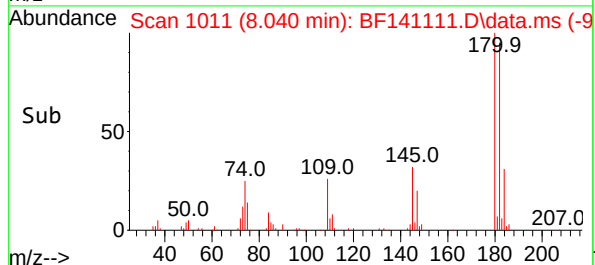
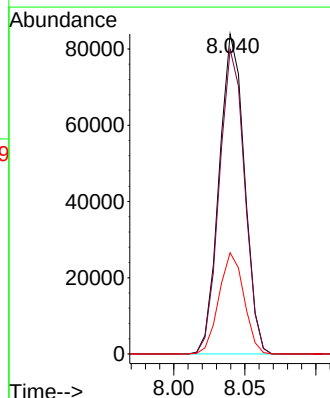
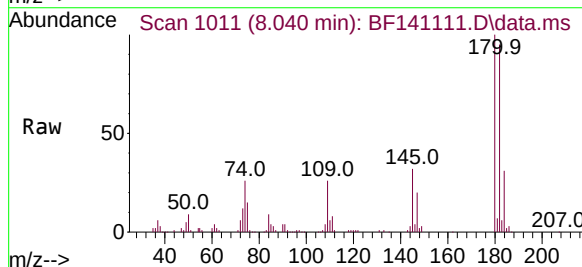
Tgt Ion:180 Resp: 103848

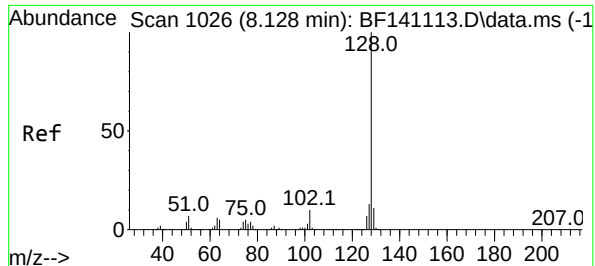
Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

145 31.7 25.3 37.9

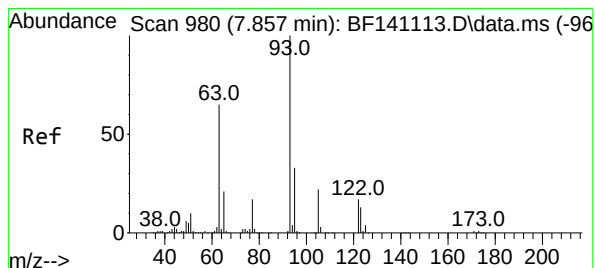
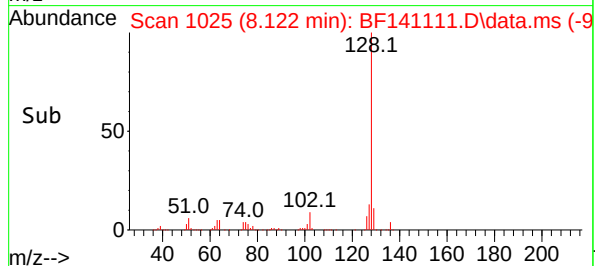
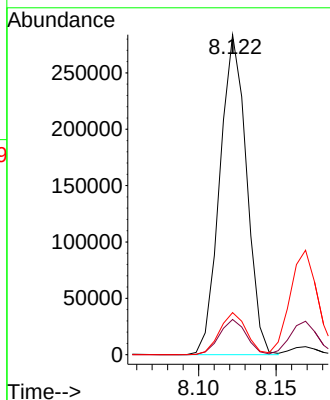
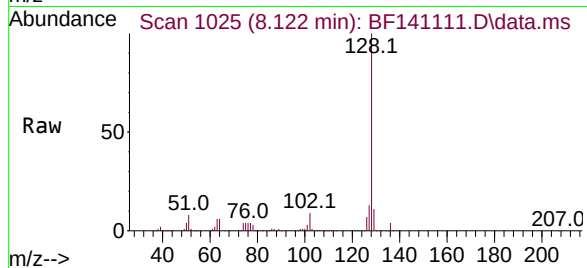




#31  
Naphthalene  
Concen: 10.675 ng  
RT: 8.122 min Scan# 1025  
Delta R.T. -0.006 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

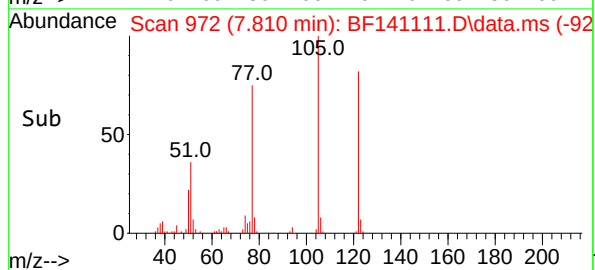
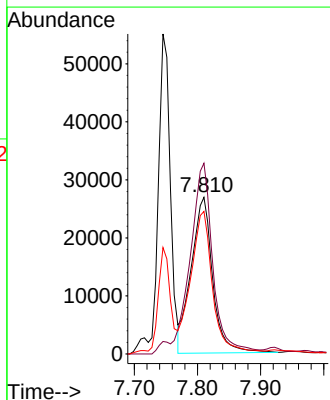
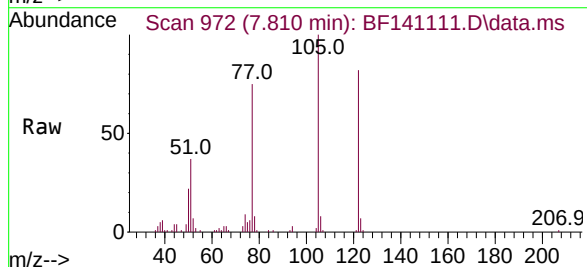
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

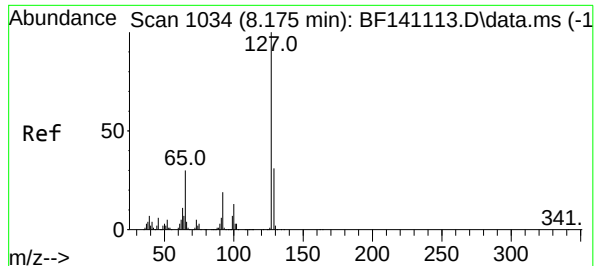
Tgt Ion:128 Resp: 340302  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.0 13.6  
127 13.1 10.8 16.2



#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

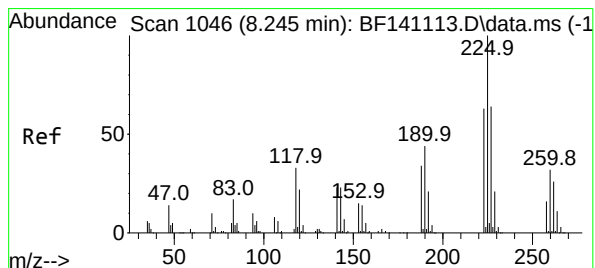
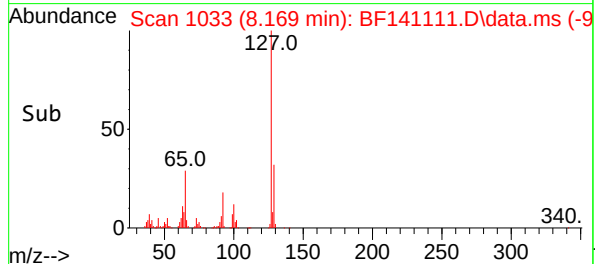
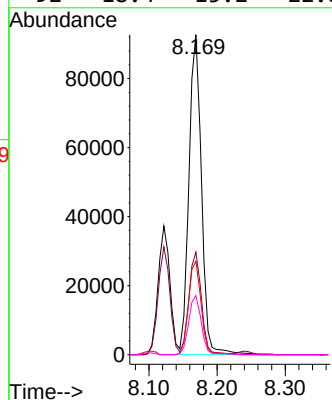
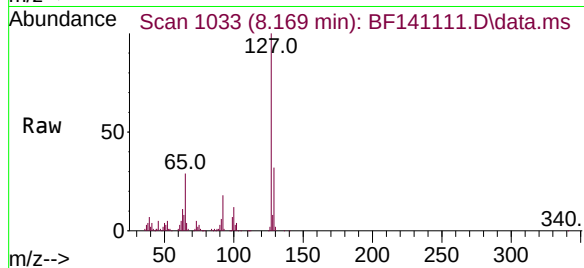




#33  
4-Chloroaniline  
Concen: 10.679 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

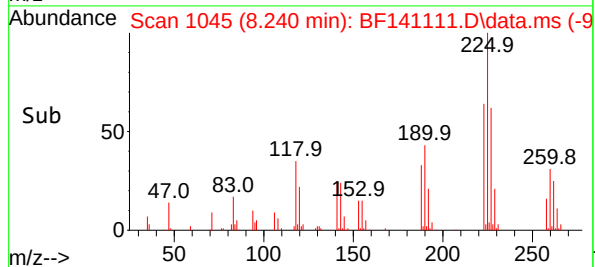
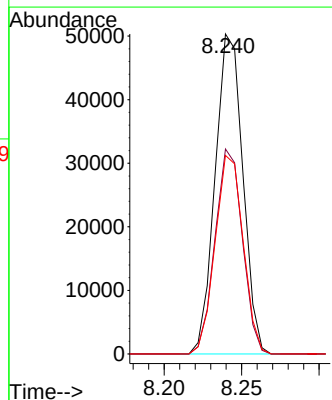
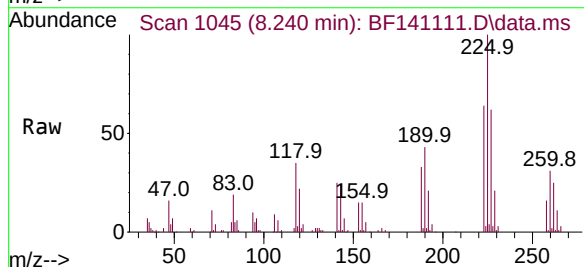
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

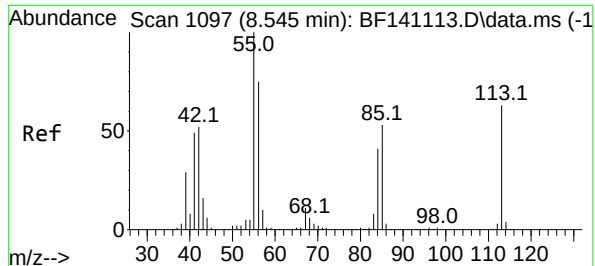
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 117726 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.1  | 25.9  | 38.9   |
| 65       | 29.2  | 23.8  | 35.8   |
| 92       | 18.4  | 15.2  | 22.8   |



#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  |

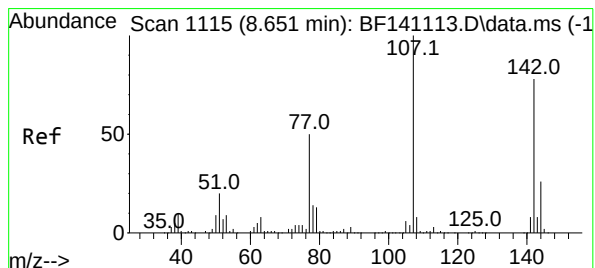
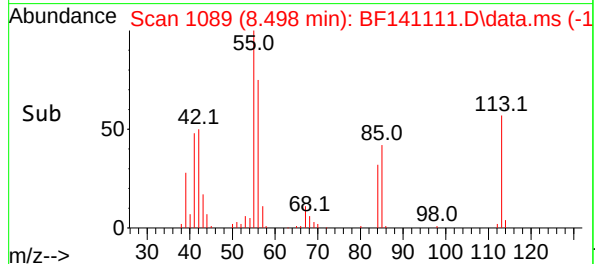
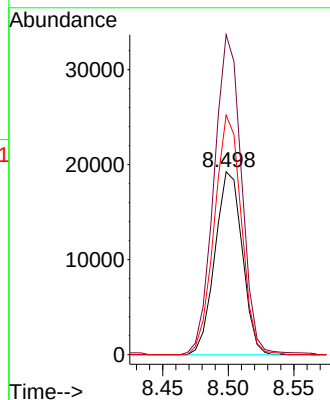
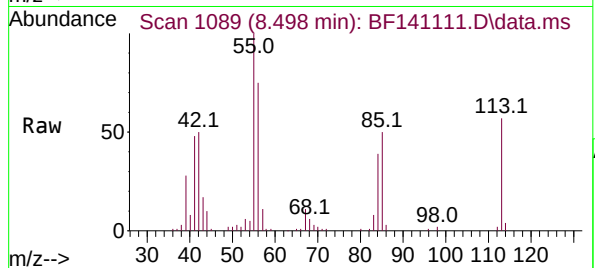




#35  
Caprolactam  
Concen: 9.814 ng  
RT: 8.498 min Scan# 1097  
Delta R.T. -0.047 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

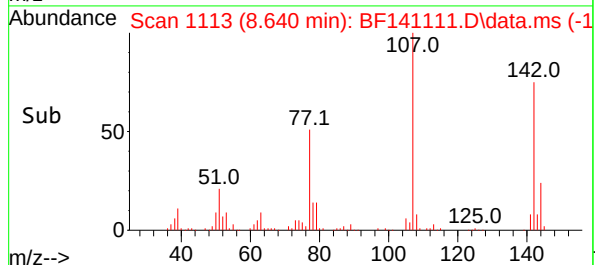
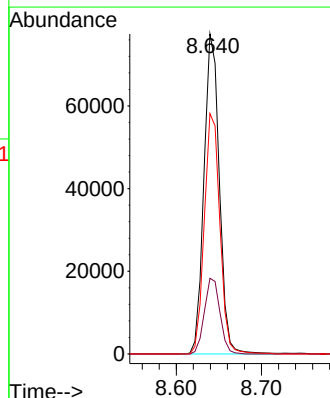
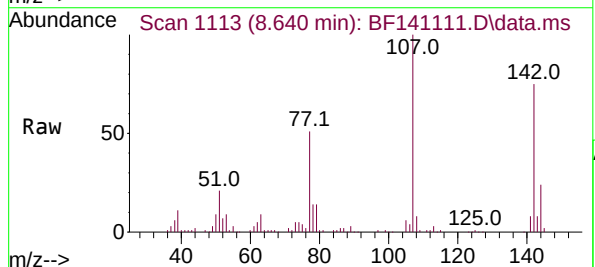
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

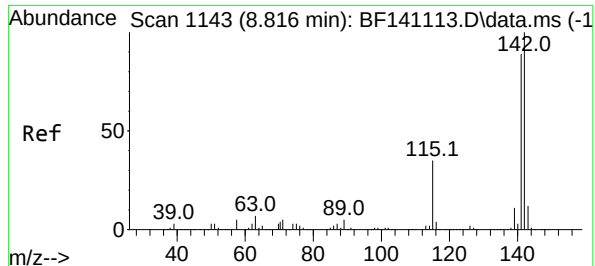
Tgt Ion:113 Resp: 27881  
Ion Ratio Lower Upper  
113 100  
55 175.0 139.7 179.7  
56 131.0 99.4 139.4



#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# 1142

Delta R.T. -0.006 min

Lab File: BF141111.D

Acq: 10 Jan 2025 13:17

Instrument :

BNA\_F

ClientSampleId :

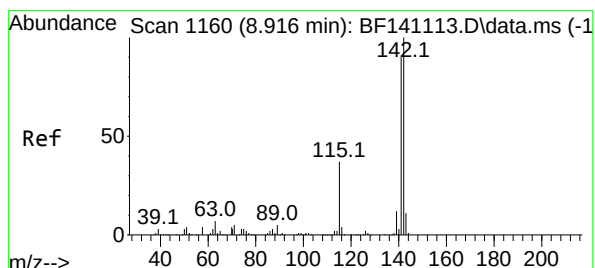
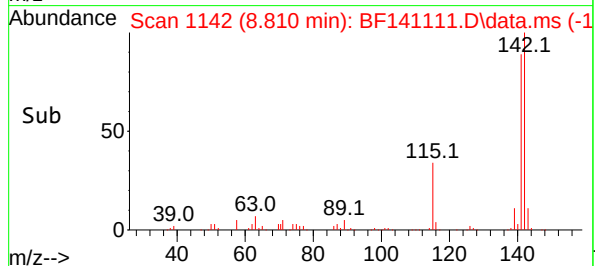
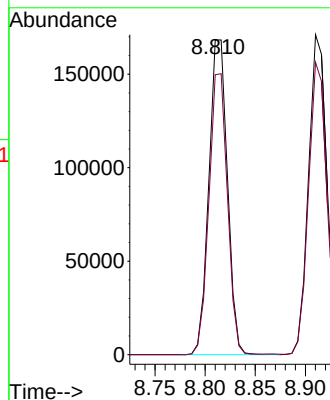
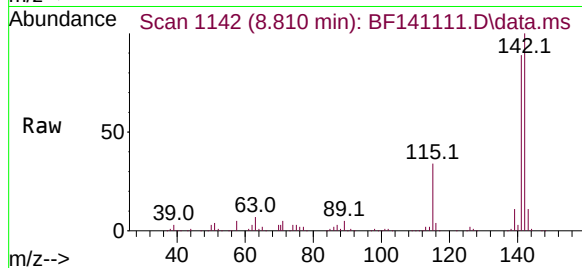
SSTDICC010

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

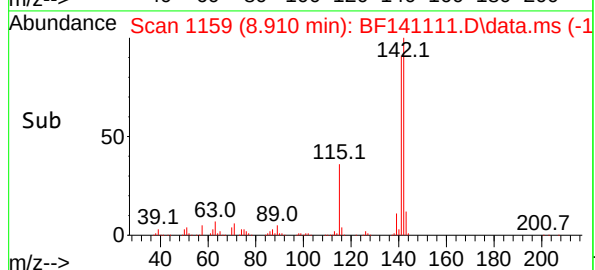
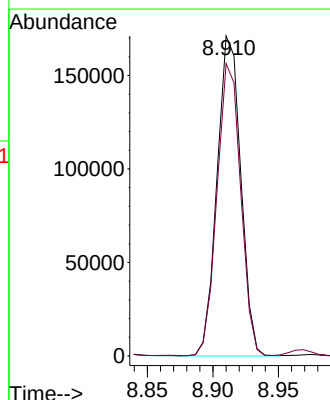
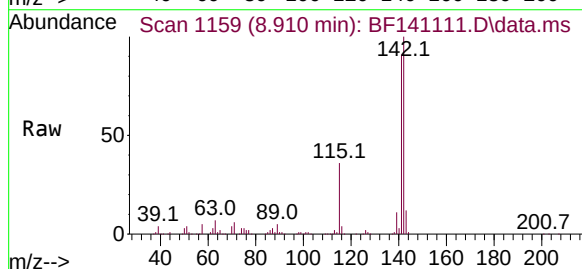
Acq: 10 Jan 2025 13:17

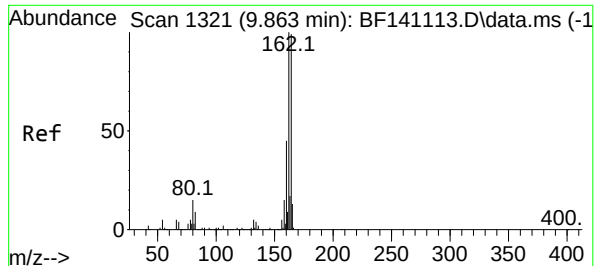
Tgt Ion:142 Resp: 215158

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# 11

Delta R.T. -0.006 min

Lab File: BF141111.D

Acq: 10 Jan 2025 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

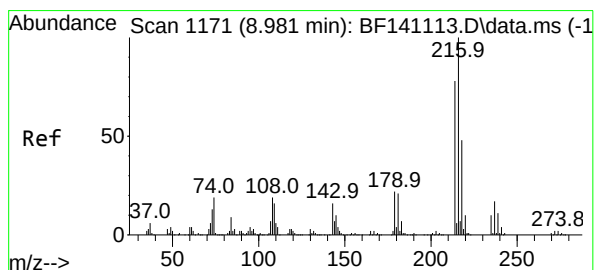
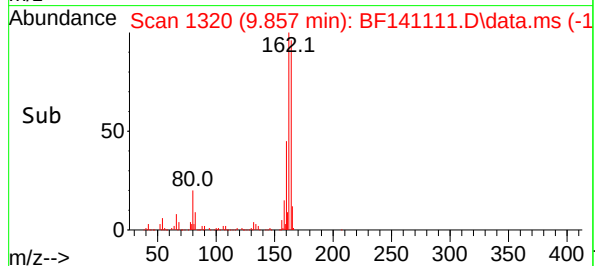
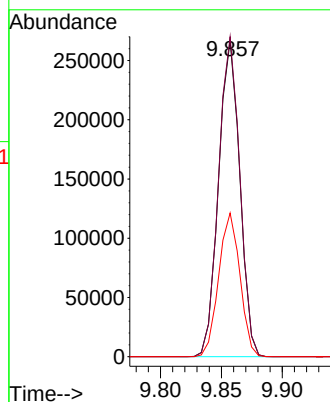
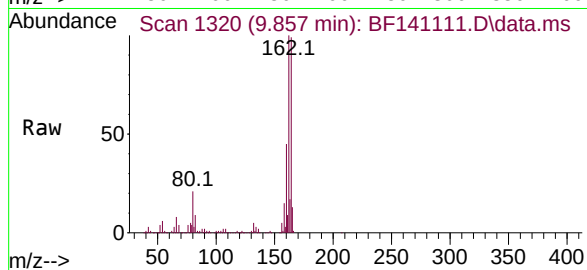
Tgt Ion:164 Resp: 323407

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

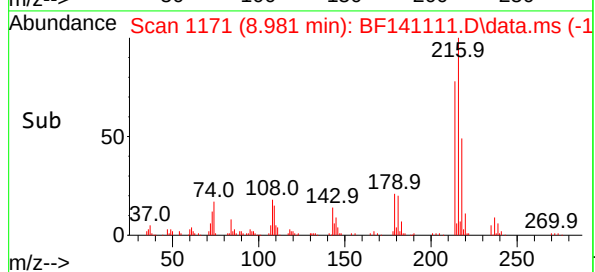
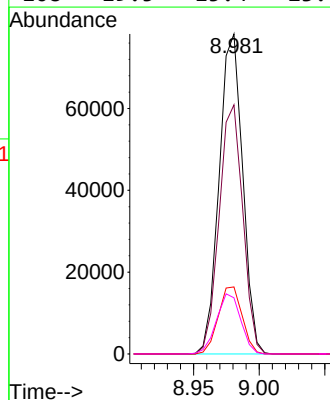
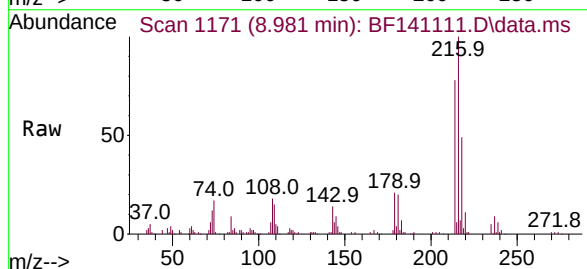
Ion Ratio Lower Upper

216 100

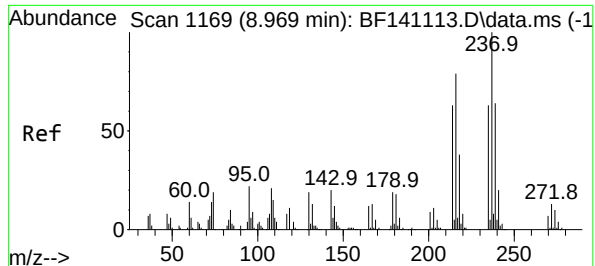
214 78.3 62.6 94.0

179 21.4 17.7 26.5

108 19.5 15.4 23.0



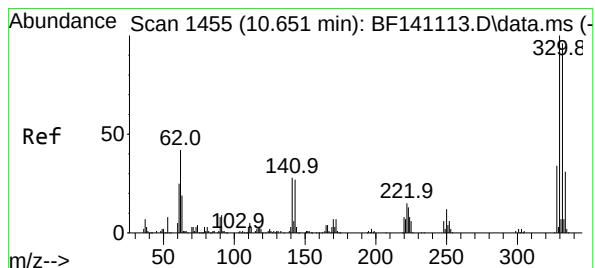
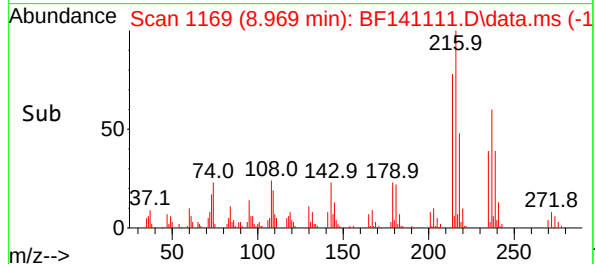
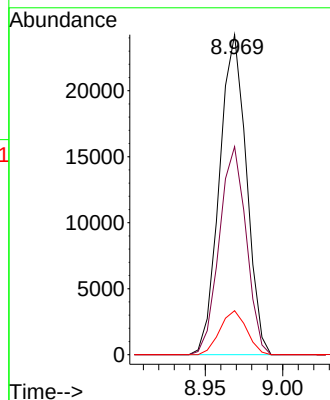
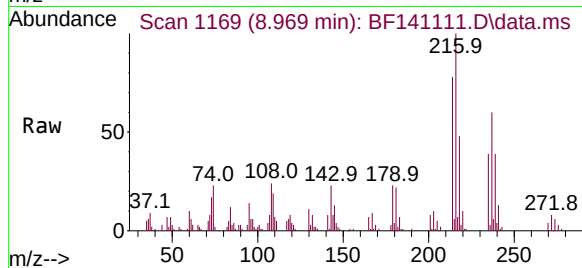




#41  
Hexachlorocyclopentadiene  
Concen: 9.652 ng  
RT: 8.969 min Scan# 1169  
Delta R.T. 0.000 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

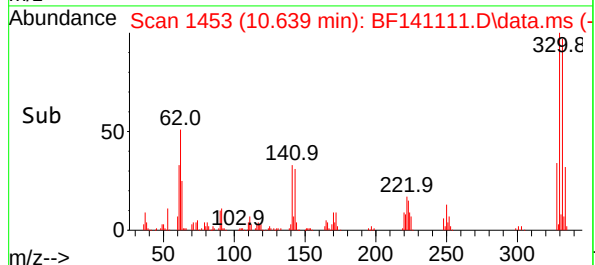
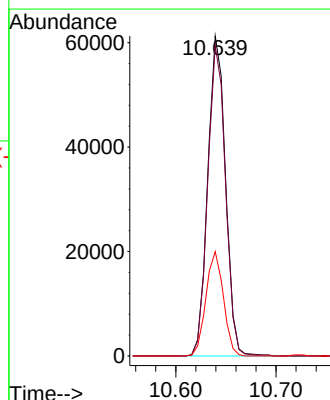
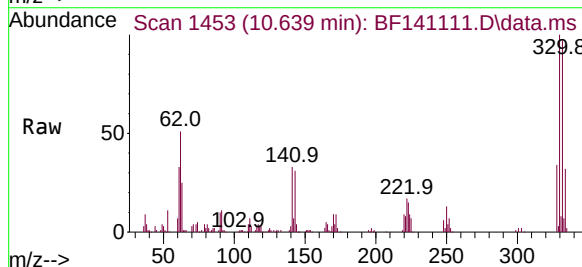
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC010

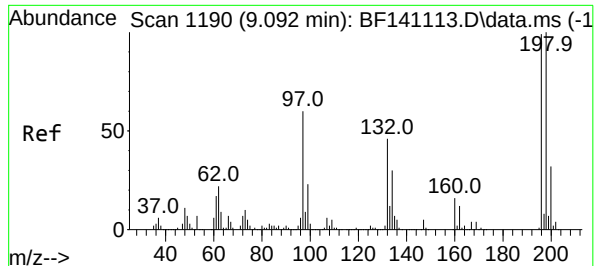
Tgt Ion: 237 Resp: 29312  
Ion Ratio Lower Upper  
237 100  
235 65.0 43.0 83.0  
272 13.7 0.0 33.0



#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# 1189

Delta R.T. -0.006 min

Lab File: BF141111.D

Acq: 10 Jan 2025 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

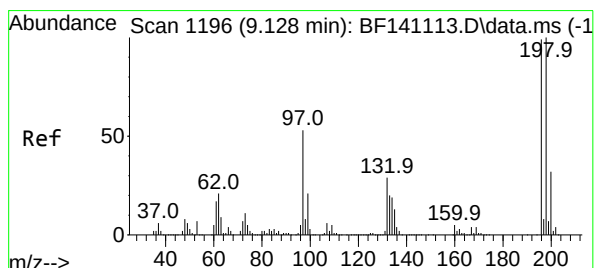
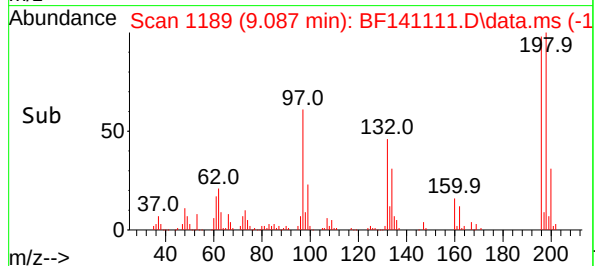
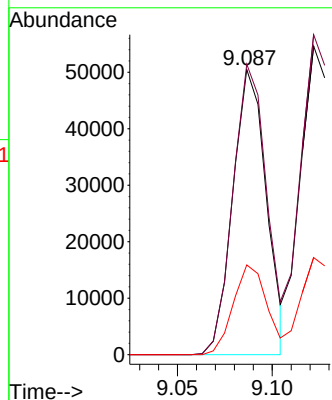
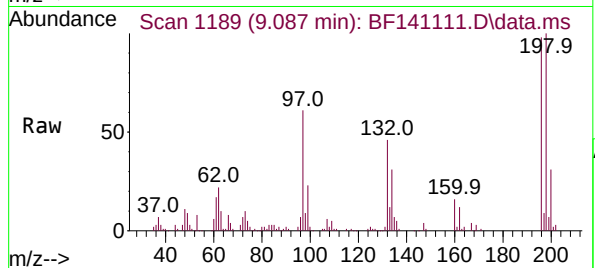
Tgt Ion:196 Resp: 62070

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

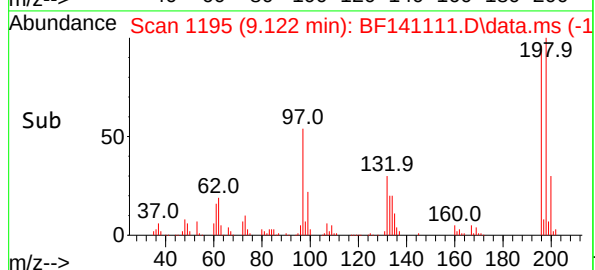
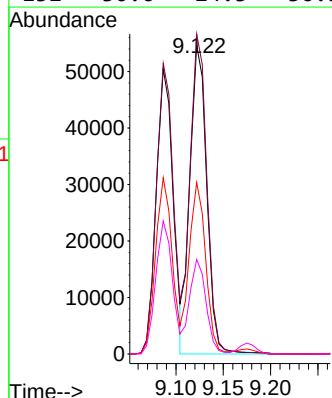
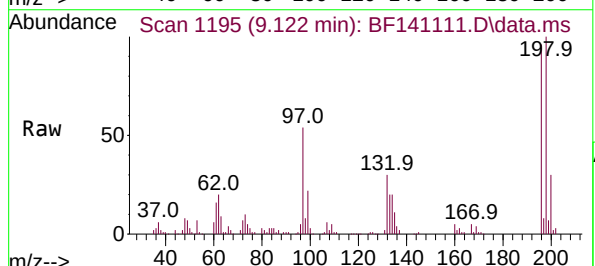
Ion Ratio Lower Upper

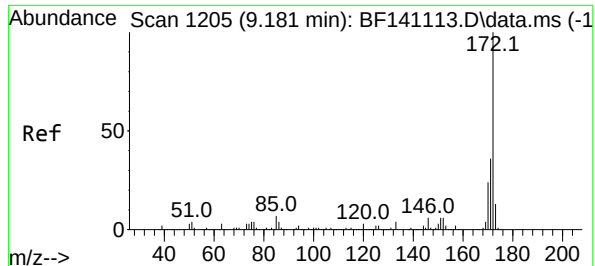
196 100

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# 11

Delta R.T. -0.006 min

Lab File: BF141111.D

Acq: 10 Jan 2025 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

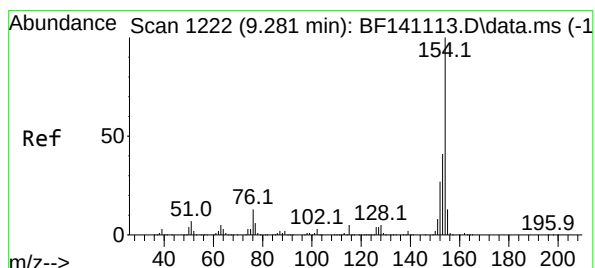
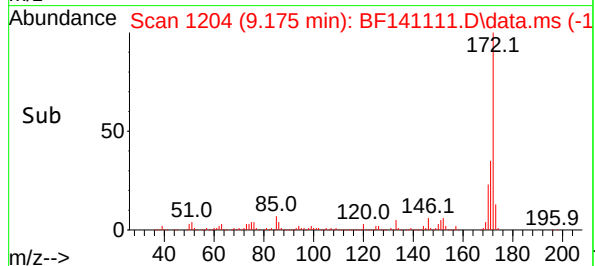
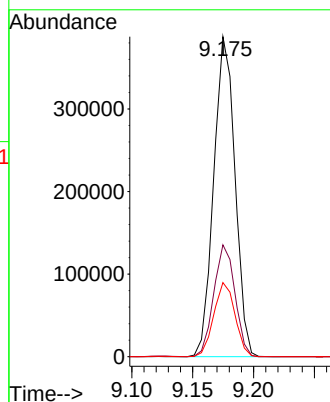
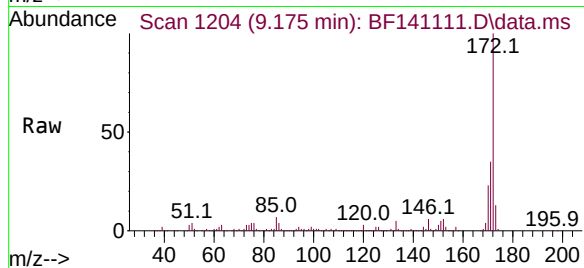
Tgt Ion:172 Resp: 471901

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

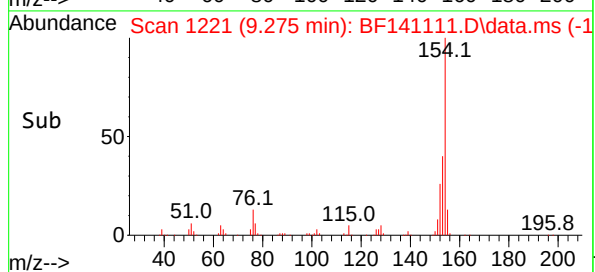
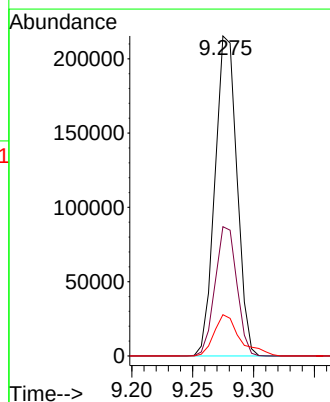
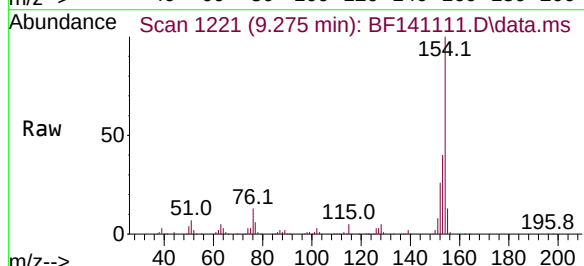
Tgt Ion:154 Resp: 270164

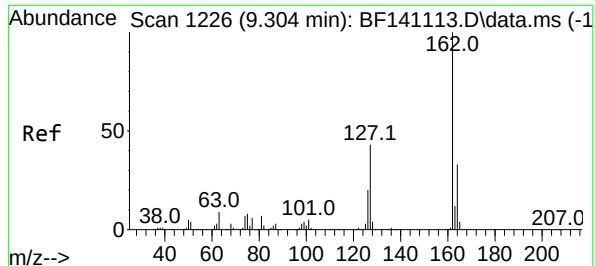
Ion Ratio Lower Upper

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# 1225

Delta R.T. -0.006 min

Lab File: BF141111.D

Acq: 10 Jan 2025 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

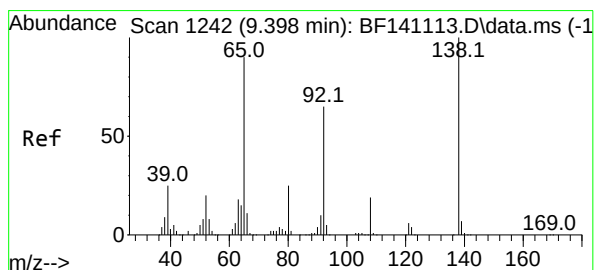
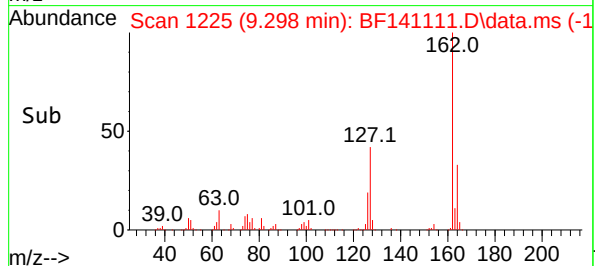
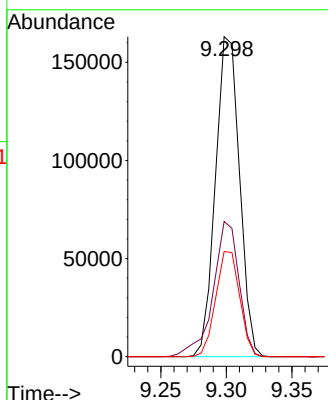
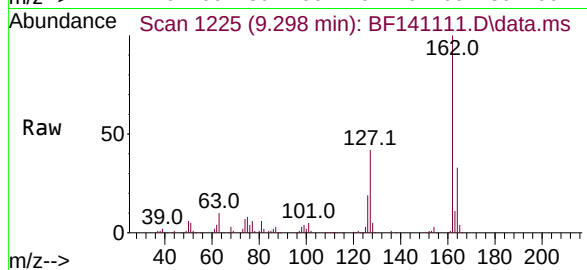
Tgt Ion:162 Resp: 208316

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

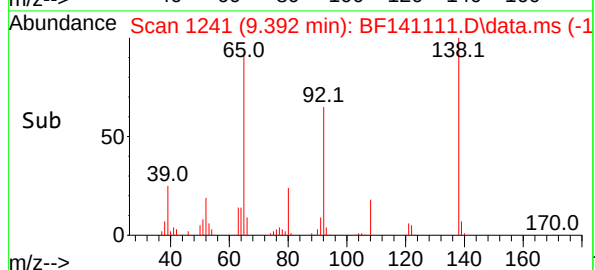
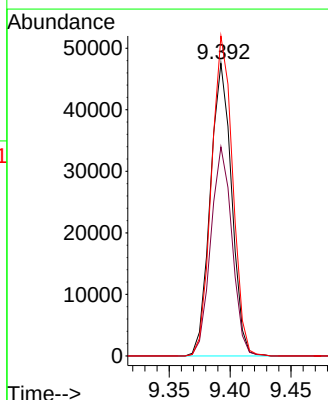
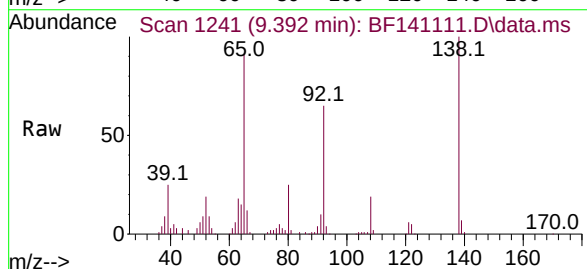
Tgt Ion: 65 Resp: 57839

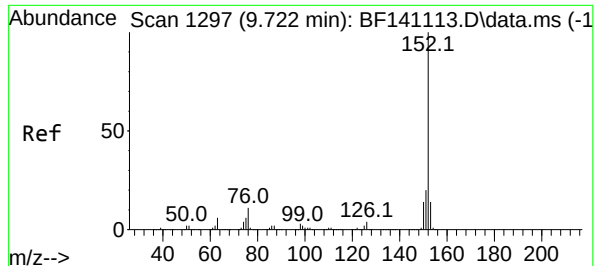
Ion Ratio Lower Upper

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

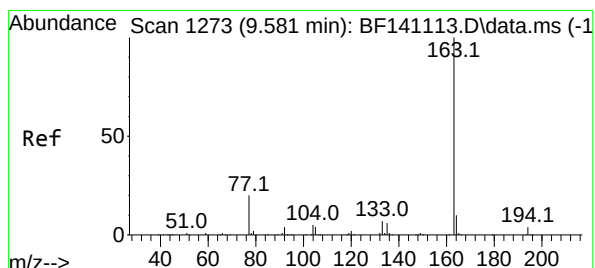
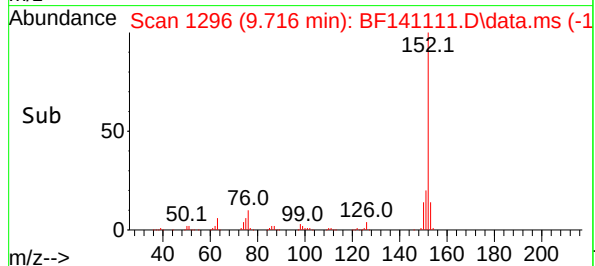
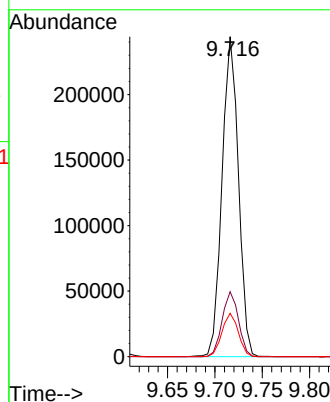
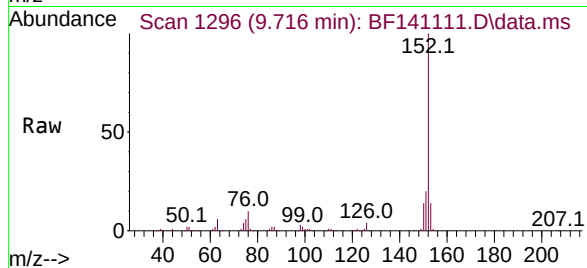
Tgt Ion:152 Resp: 294365

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

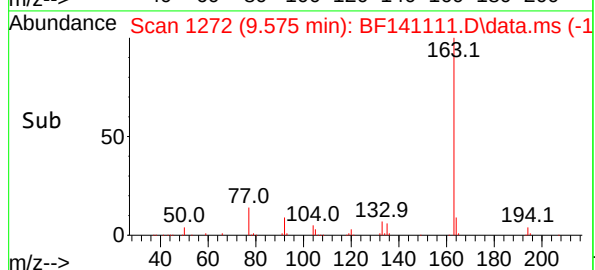
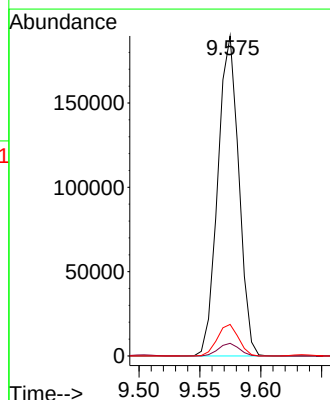
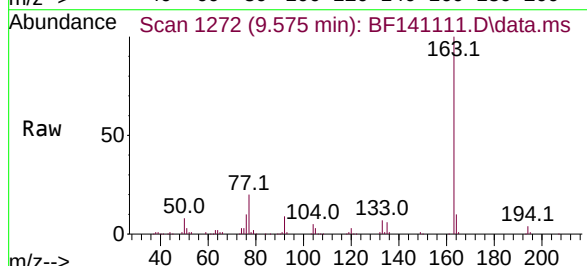
Tgt Ion:163 Resp: 227434

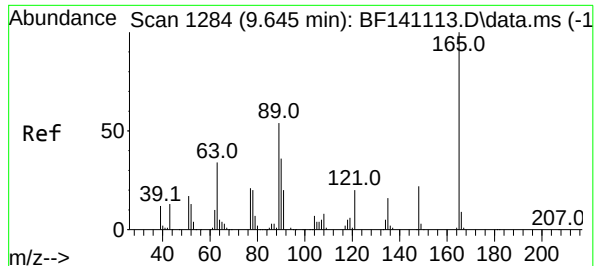
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.012 min

Lab File: BF141111.D

Acq: 10 Jan 2025 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

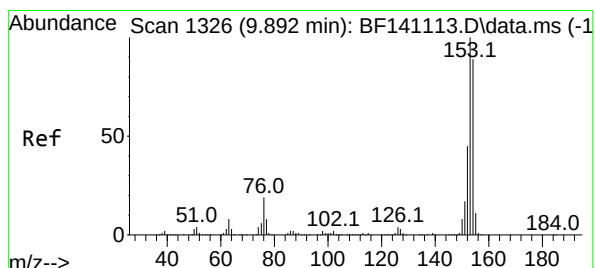
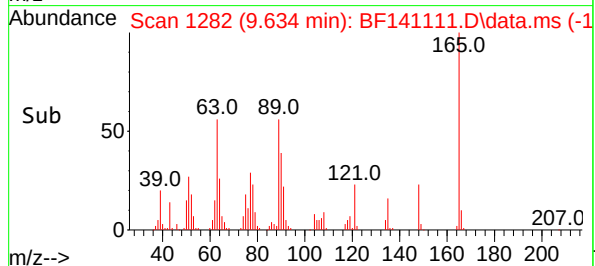
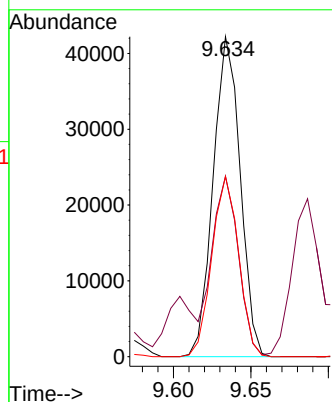
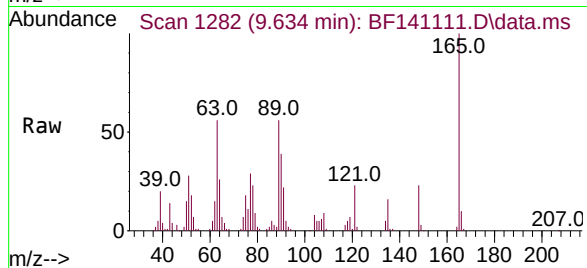
Tgt Ion:165 Resp: 51195

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

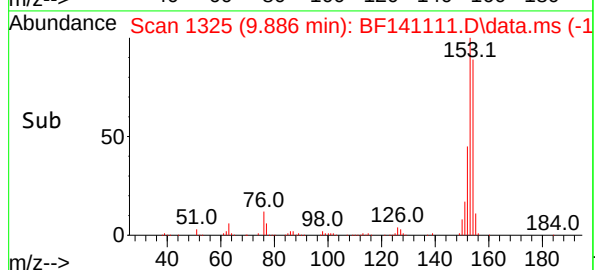
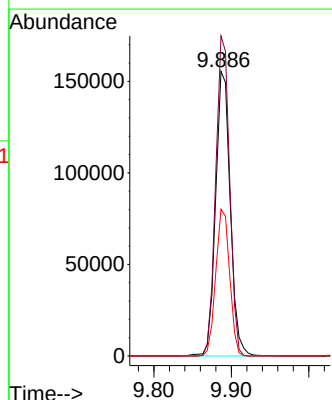
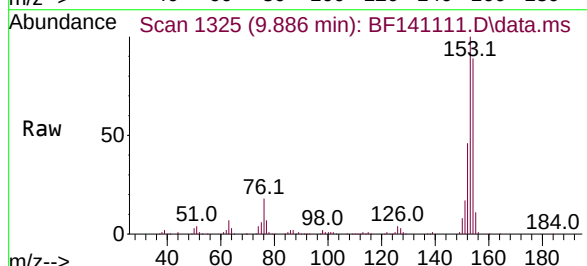
Tgt Ion:154 Resp: 204827

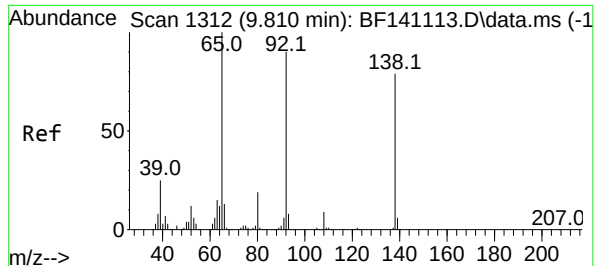
Ion Ratio Lower Upper

154 100

153 112.4 89.8 134.6

152 51.6 40.8 61.2

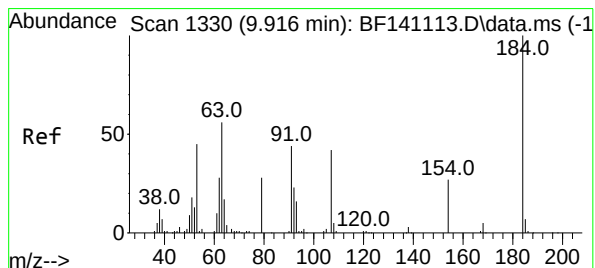
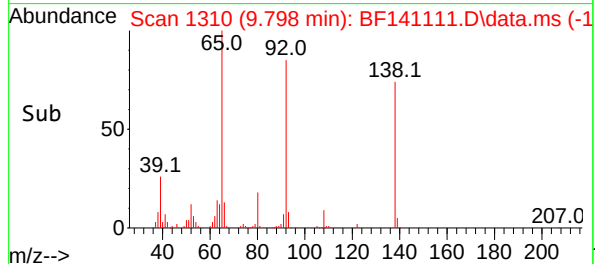
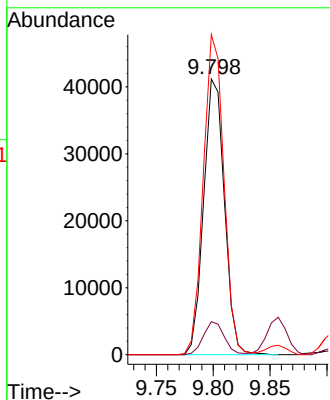
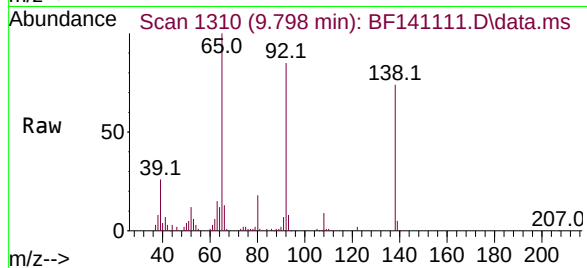




#53  
3-Nitroaniline  
Concen: 10.205 ng  
RT: 9.798 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

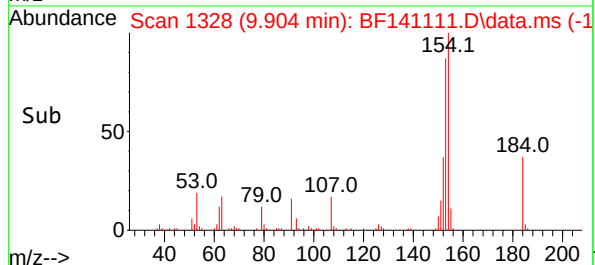
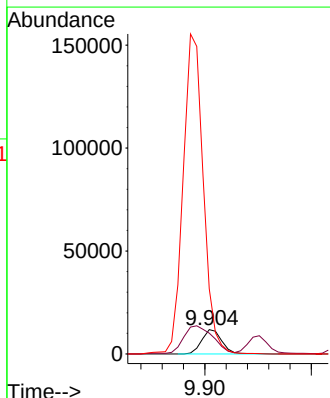
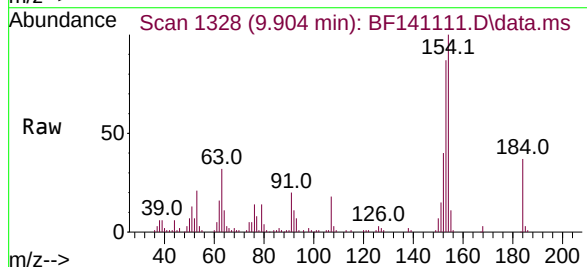
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

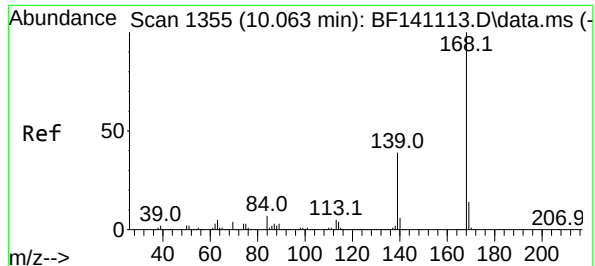
Tgt Ion:138 Resp: 52358  
Ion Ratio Lower Upper  
138 100  
108 12.0 8.8 13.2  
92 116.1 91.3 136.9



#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#

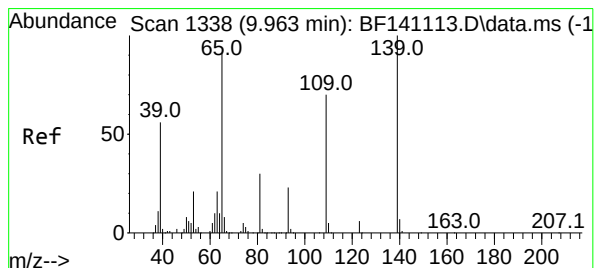
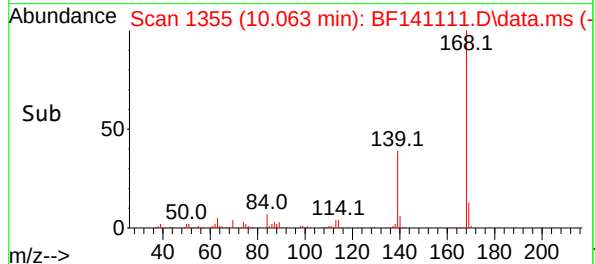
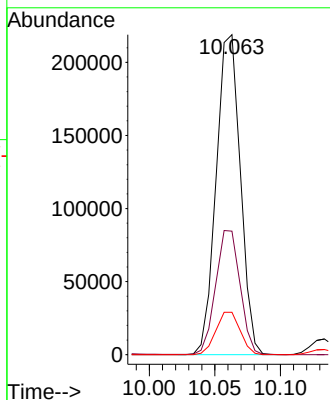
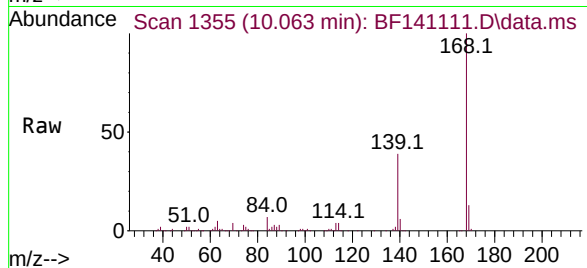




#55  
Dibenzenofuran  
Concen: 10.569 ng  
RT: 10.063 min Scan# 1355  
Delta R.T. 0.000 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

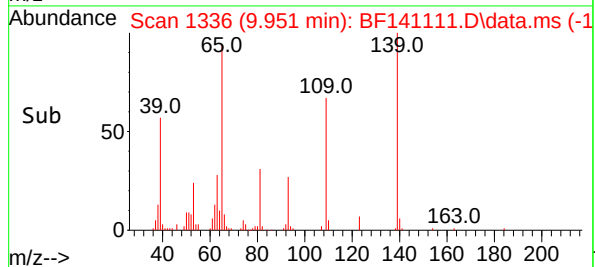
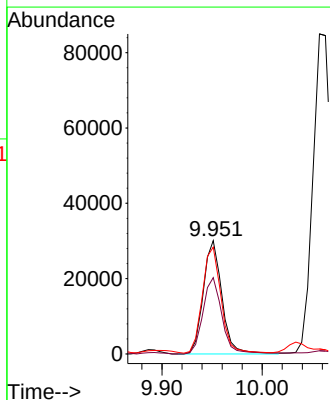
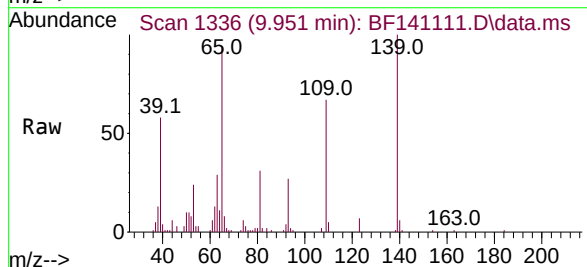
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

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

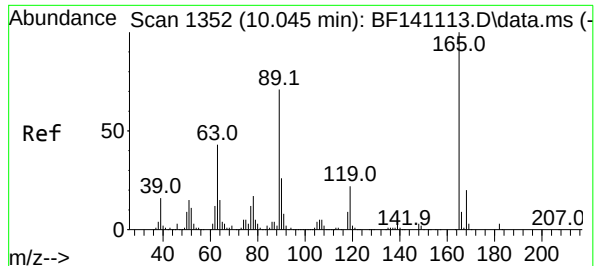


#56  
4-Nitrophenol  
Concen: 9.709 ng  
RT: 9.951 min Scan# 1336  
Delta R.T. -0.012 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

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



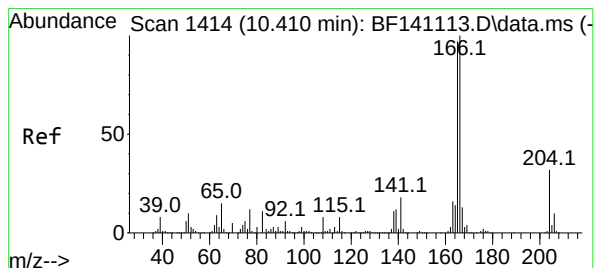
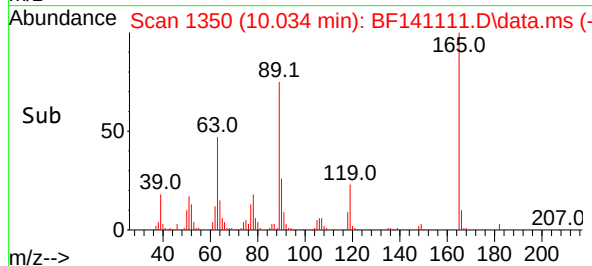
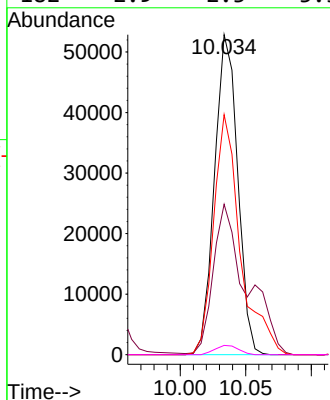
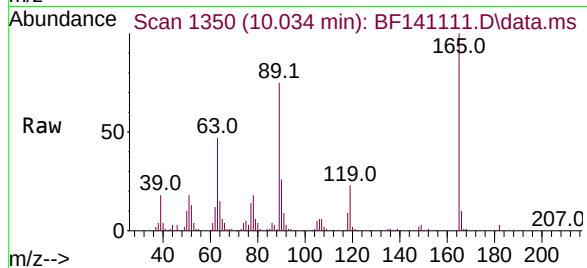




#57  
2,4-Dinitrotoluene  
Concen: 9.975 ng  
RT: 10.034 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

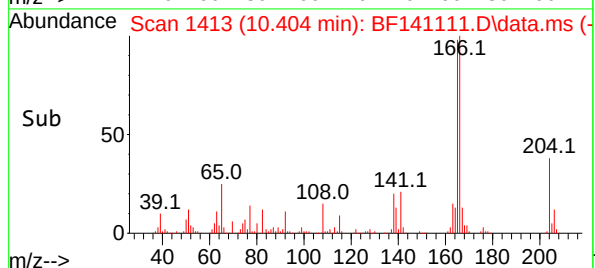
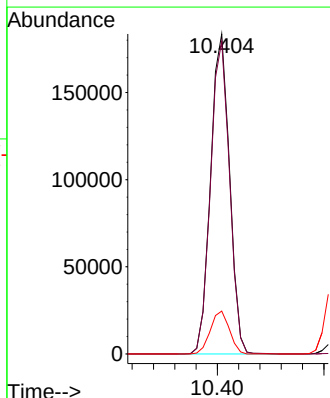
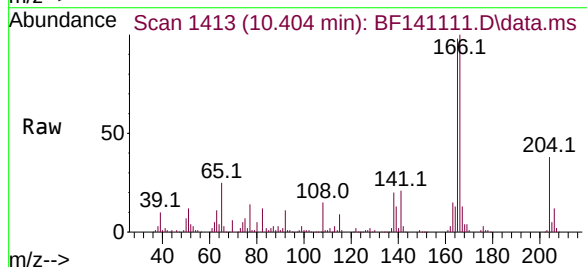
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

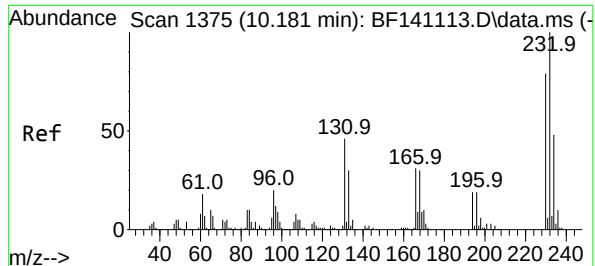
Tgt Ion:165 Resp: 64903  
Ion Ratio Lower Upper  
165 100  
63 47.0 35.0 52.4  
89 75.0 56.7 85.1  
182 2.9 2.3 3.5



#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

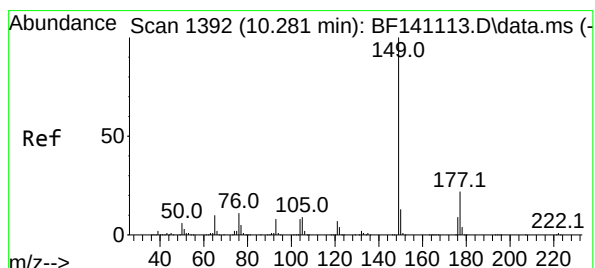
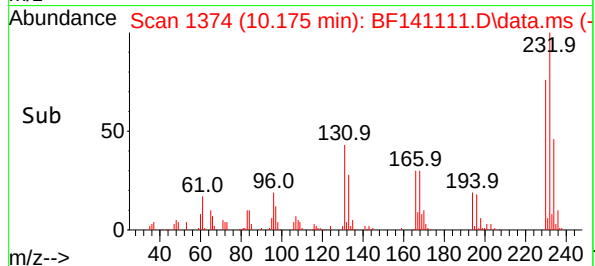
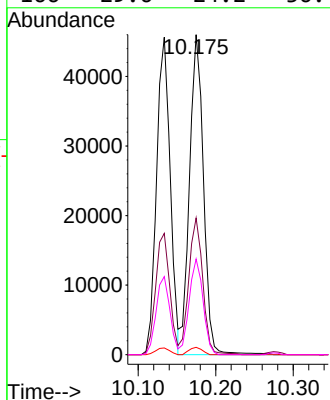
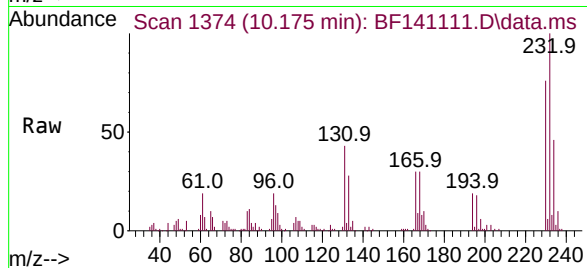




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 10.519 ng  
RT: 10.175 min Scan# 1375  
Delta R.T. -0.006 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

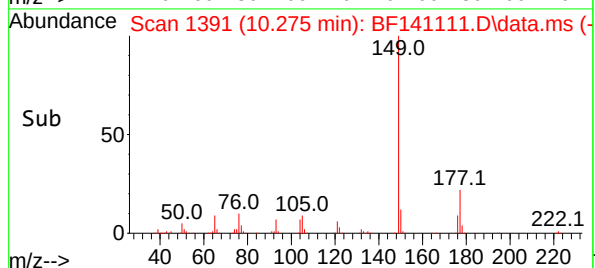
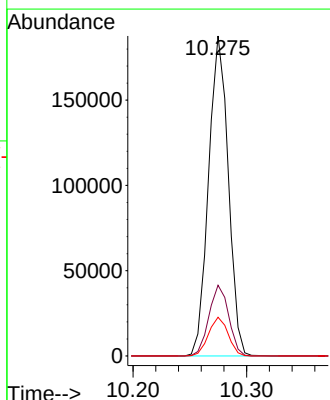
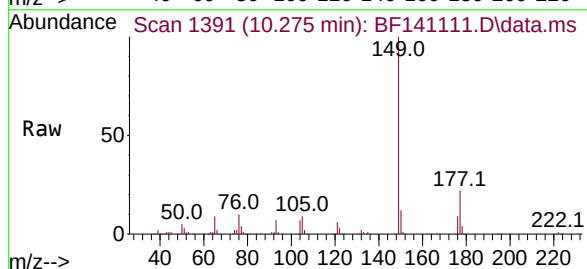
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

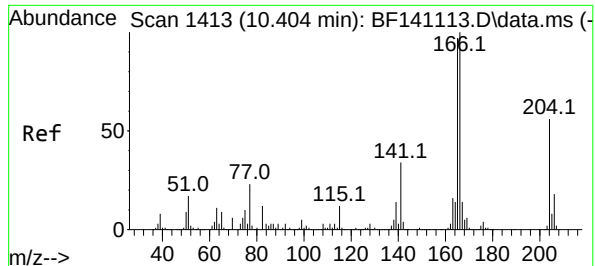
Tgt Ion:232 Resp: 57812  
Ion Ratio Lower Upper  
232 100  
131 42.5 36.2 54.4  
130 2.1 2.0 3.0  
166 29.6 24.2 36.4



#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

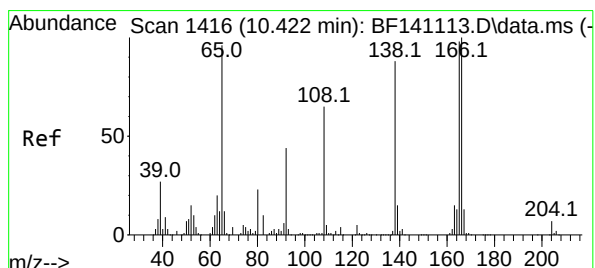
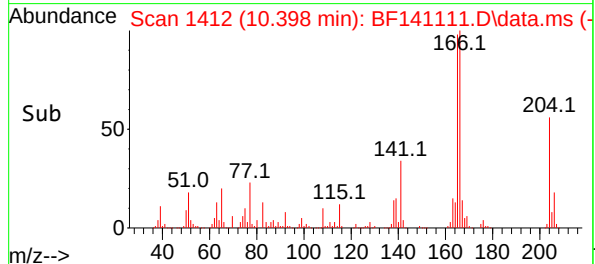
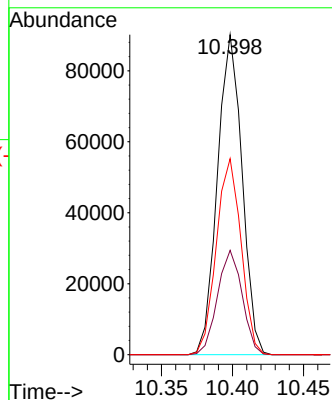
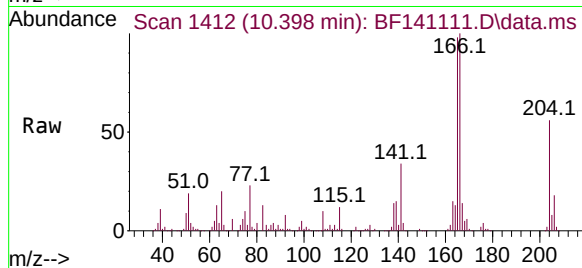




#61  
4-Chlorophenyl-phenylether  
Concen: 10.806 ng  
RT: 10.398 min Scan# 1413  
Delta R.T. -0.006 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

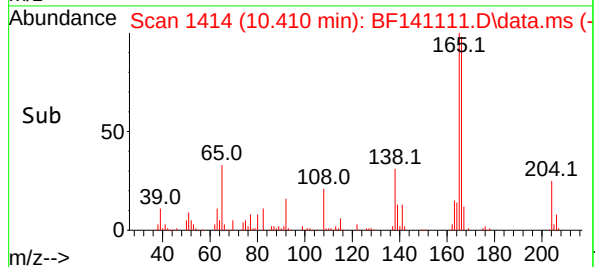
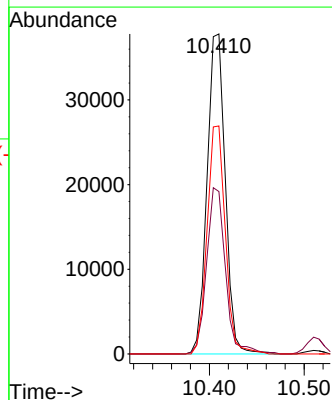
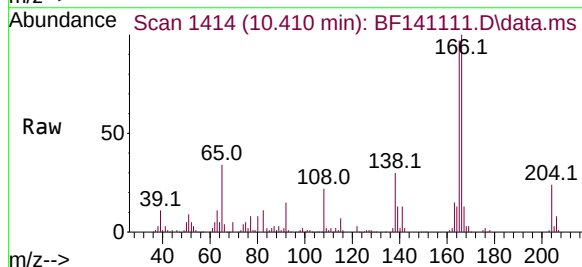
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

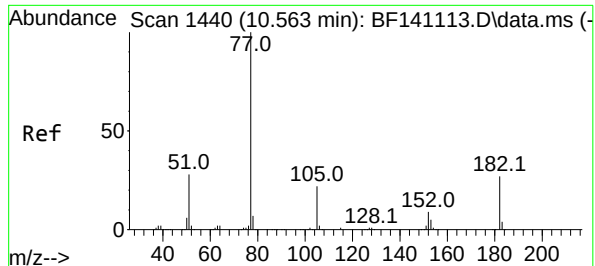
Tgt Ion:204 Resp: 108674  
Ion Ratio Lower Upper  
204 100  
206 32.6 25.9 38.9  
141 61.2 49.1 73.7



#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

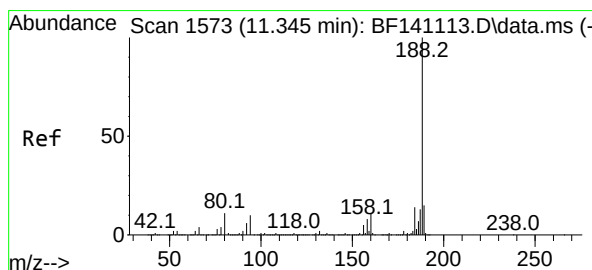
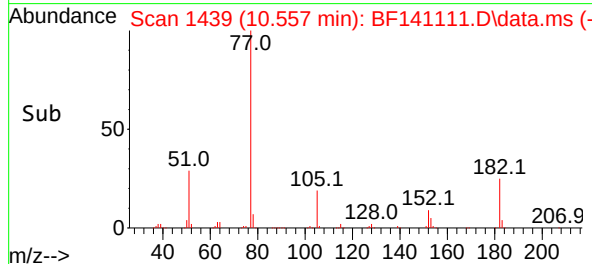
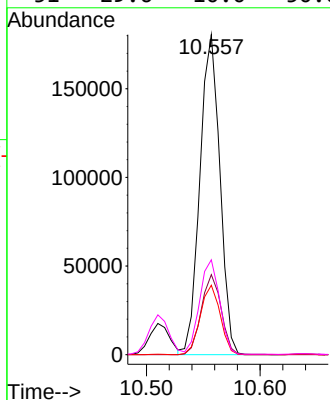
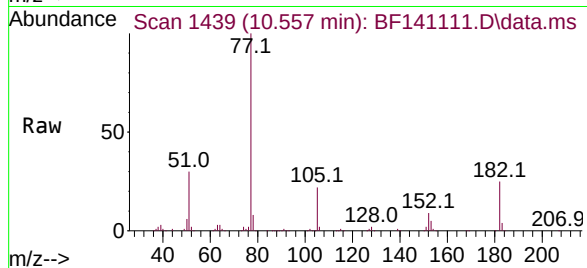




#63  
Azobenzene  
Concen: 10.536 ng  
RT: 10.557 min Scan# 1440  
Delta R.T. -0.006 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

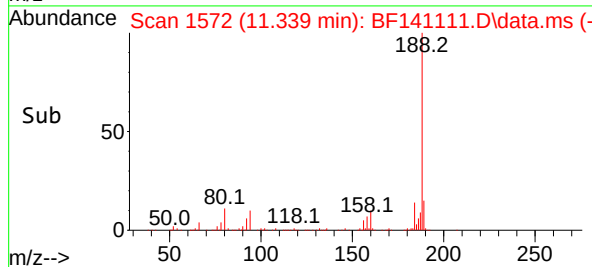
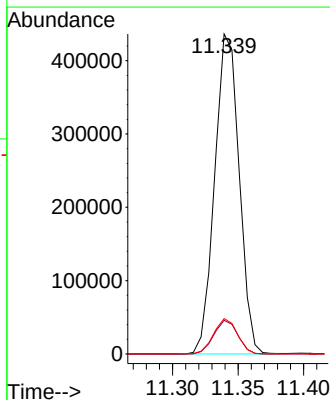
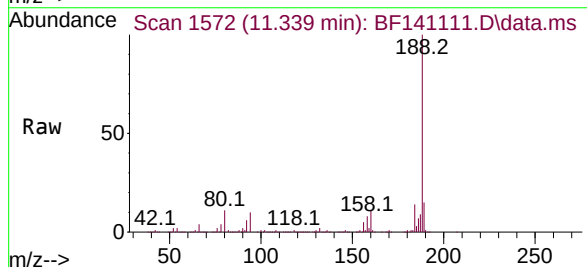
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

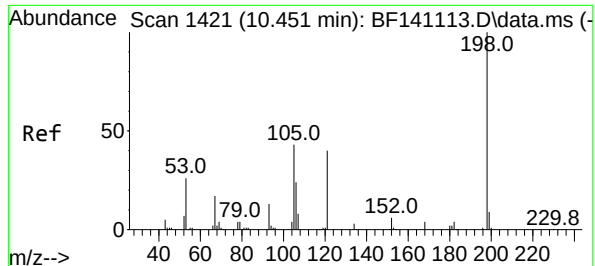
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 220351 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 25.0  | 6.1   | 46.1   |
| 105      | 21.7  | 2.1   | 42.1   |
| 51       | 29.6  | 10.0  | 50.0   |



#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   |

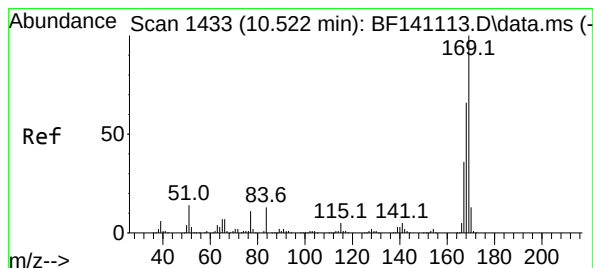
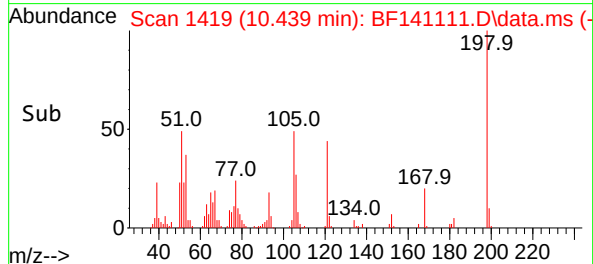
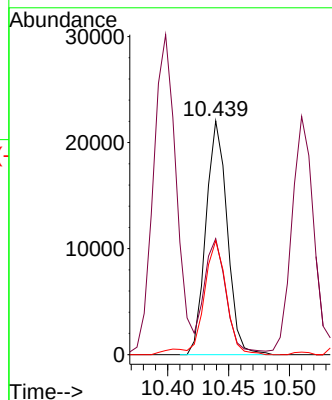
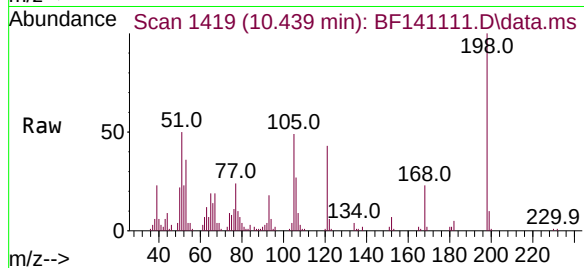




#65  
4,6-Dinitro-2-methylphenol  
Concen: 8.177 ng  
RT: 10.439 min Scan# 1419  
Delta R.T. -0.012 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

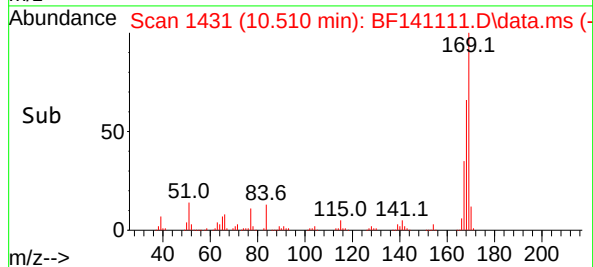
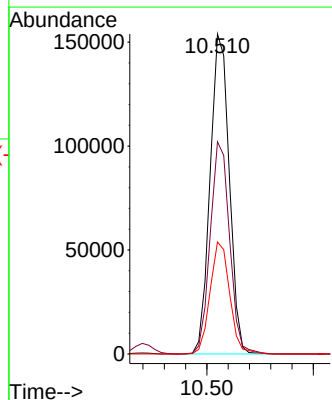
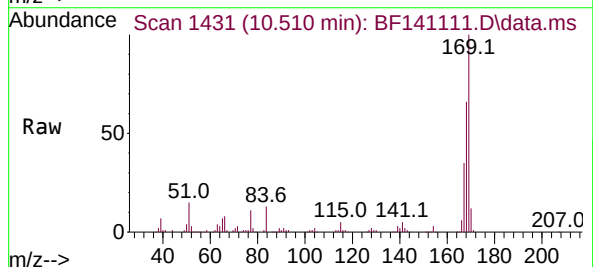
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

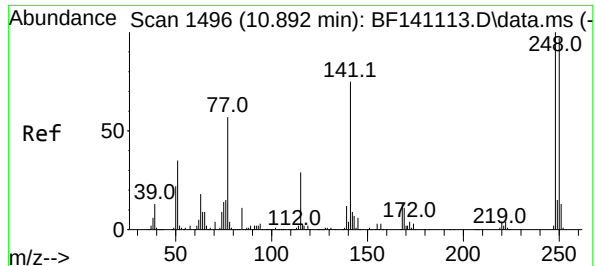
Tgt Ion:198 Resp: 26799  
Ion Ratio Lower Upper  
198 100  
51 49.6 27.1 67.1  
105 48.7 24.2 64.2



#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

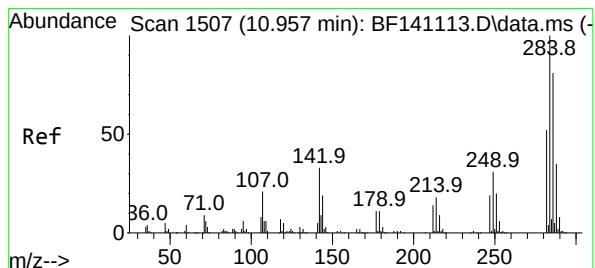
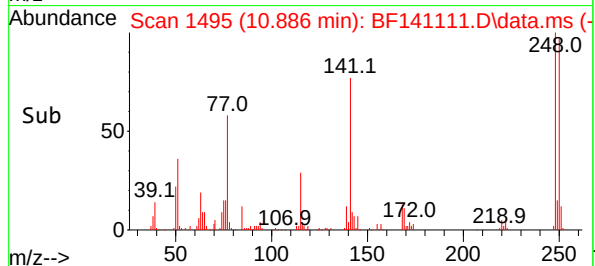
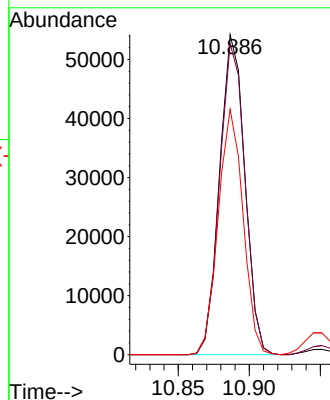
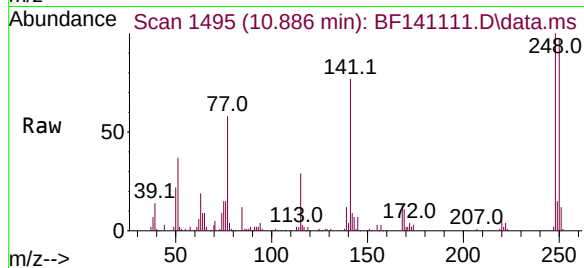




#67  
4-Bromophenyl-phenylether  
Concen: 10.293 ng  
RT: 10.886 min Scan# 1495  
Delta R.T. -0.006 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

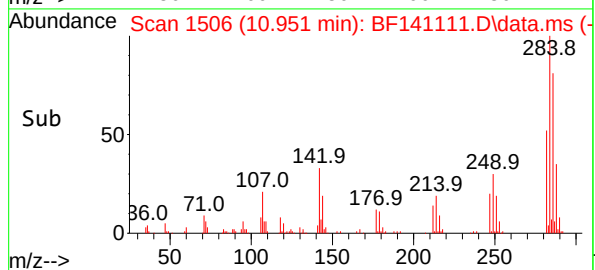
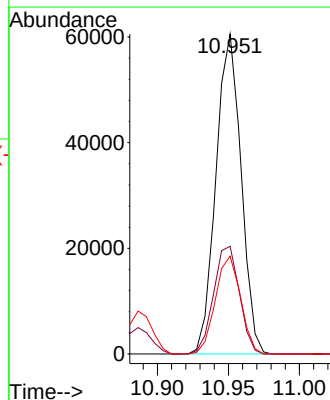
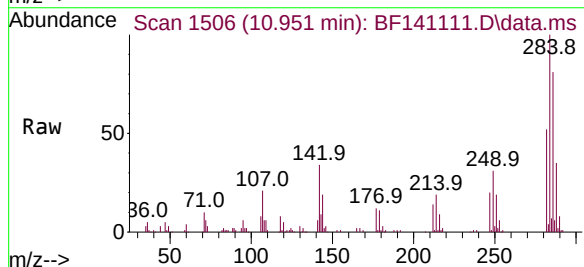
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

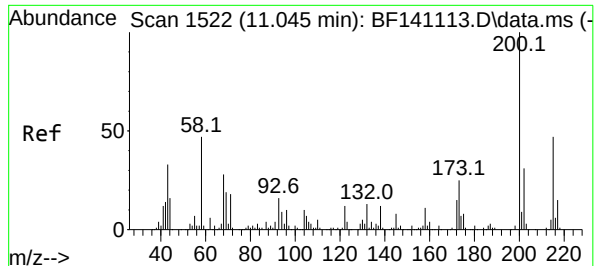
Tgt Ion:248 Resp: 67025  
Ion Ratio Lower Upper  
248 100  
250 97.2 77.9 116.9  
141 76.6 59.9 89.9



#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

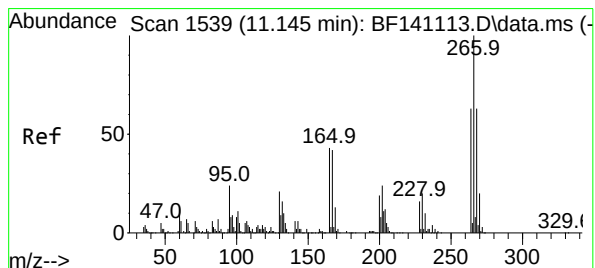
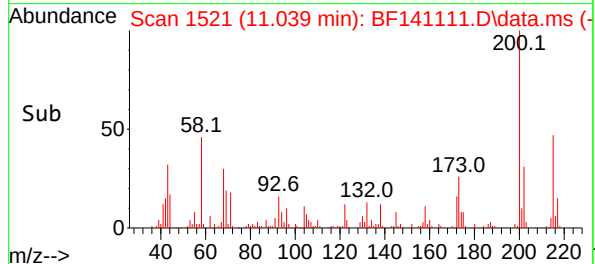
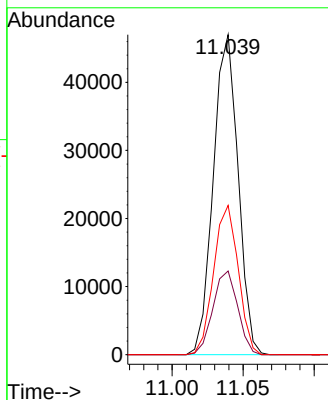
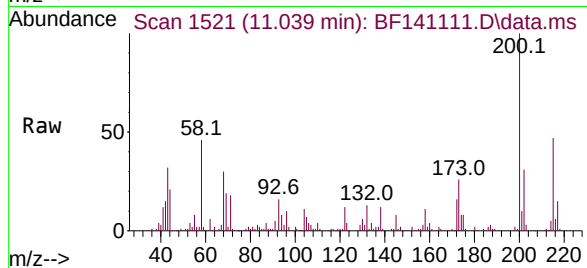




#69  
Atrazine  
Concen: 11.597 ng  
RT: 11.039 min Scan# 1522  
Delta R.T. -0.006 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

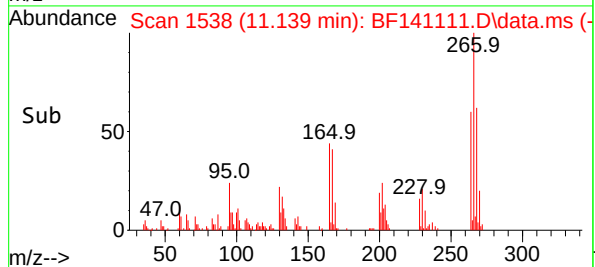
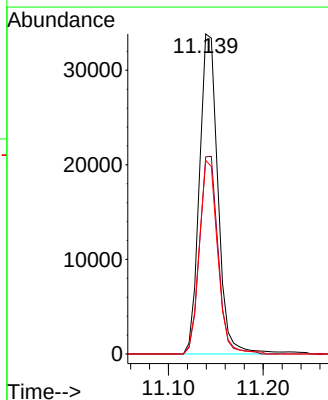
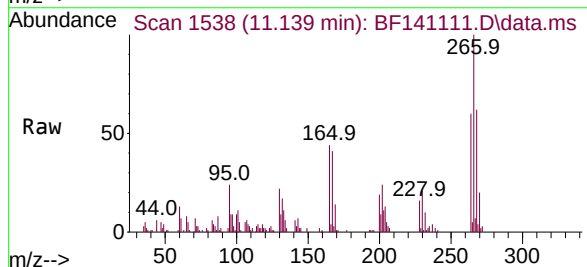
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

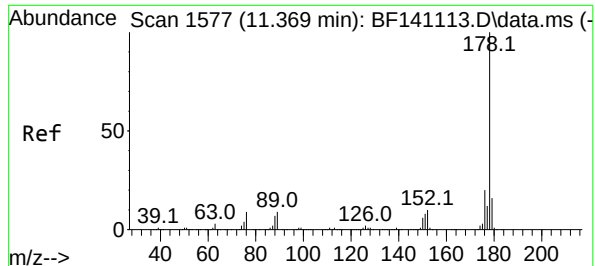
| Tgt Ion   | 200   | Resp  | 56963 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 26.2  | 5.4   | 45.4  |
| 215       | 46.7  | 26.6  | 66.6  |



#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  |

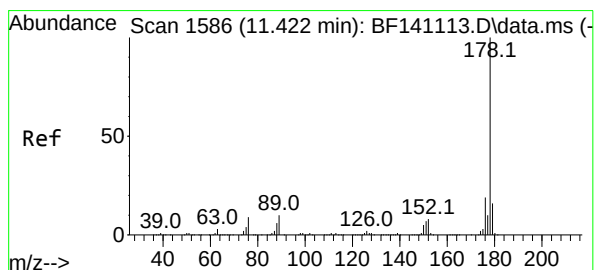
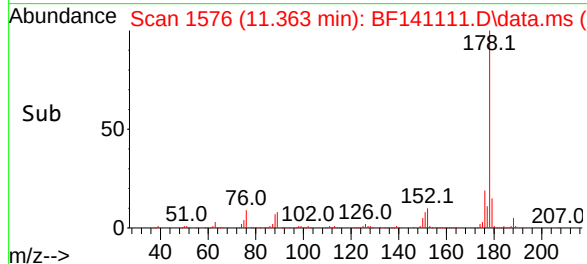
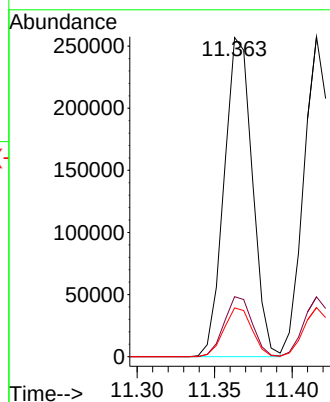
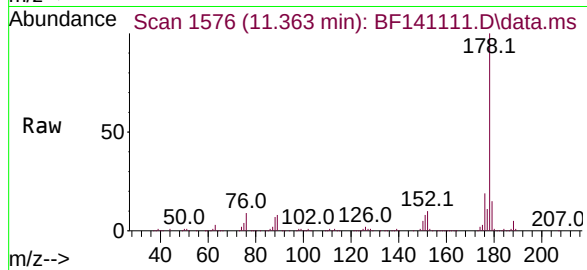




#71  
Phenanthrene  
Concen: 10.728 ng  
RT: 11.363 min Scan# 1576  
Delta R.T. -0.006 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

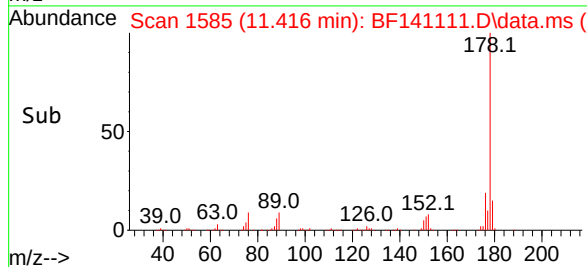
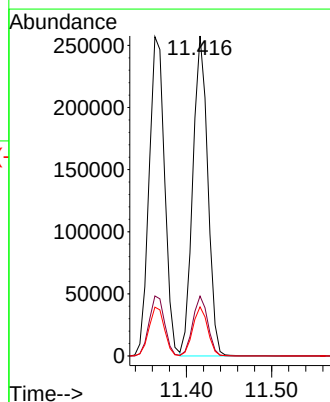
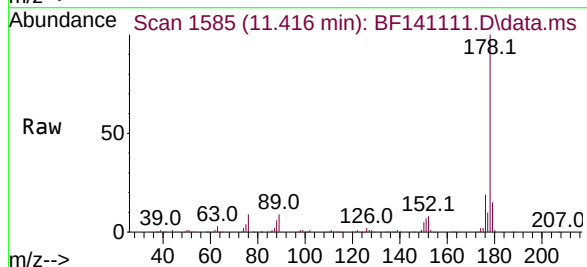
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

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

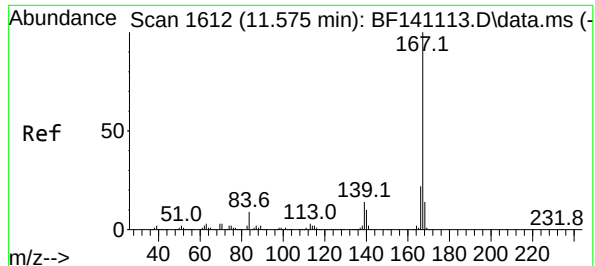


#72  
Anthracene  
Concen: 10.638 ng  
RT: 11.416 min Scan# 1585  
Delta R.T. -0.006 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

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



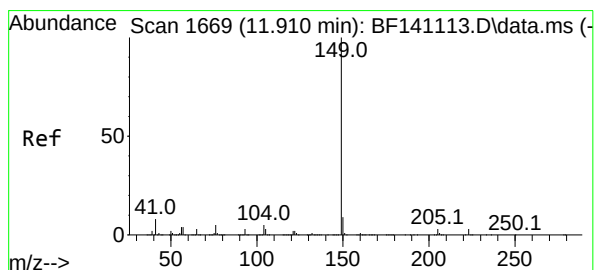
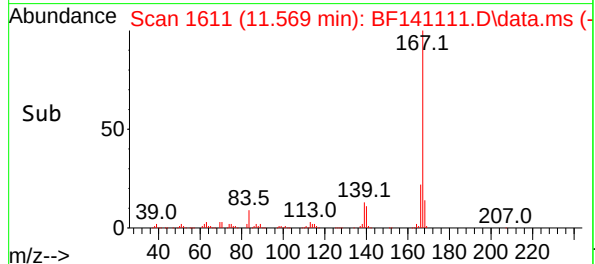
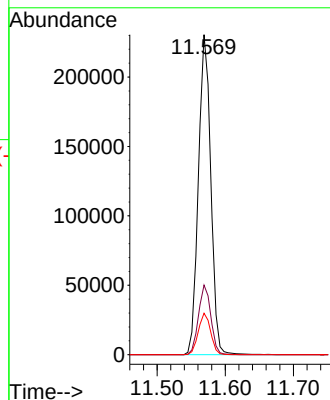
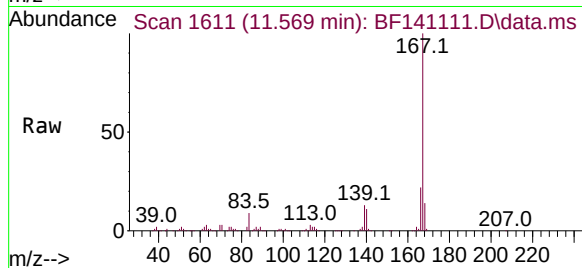




#73  
Carbazole  
Concen: 10.710 ng  
RT: 11.569 min Scan# 1612  
Delta R.T. -0.006 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

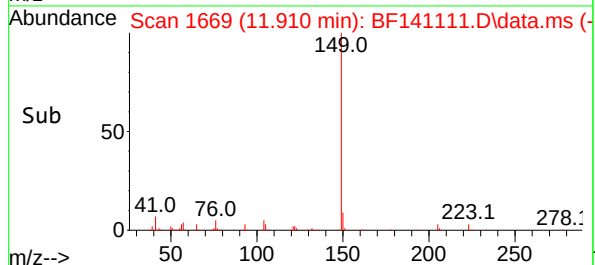
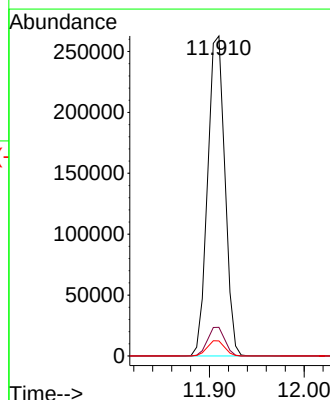
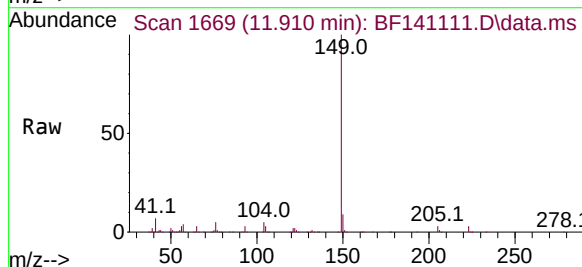
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

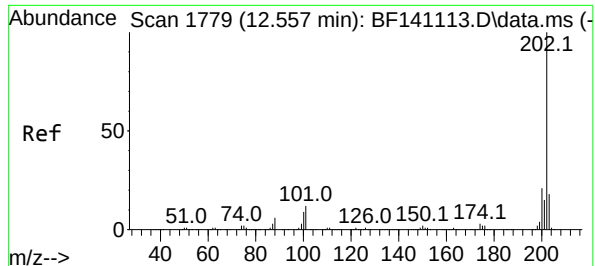
Tgt Ion:167 Resp: 289945  
Ion Ratio Lower Upper  
167 100  
166 21.7 17.4 26.2  
139 12.9 10.9 16.3



#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

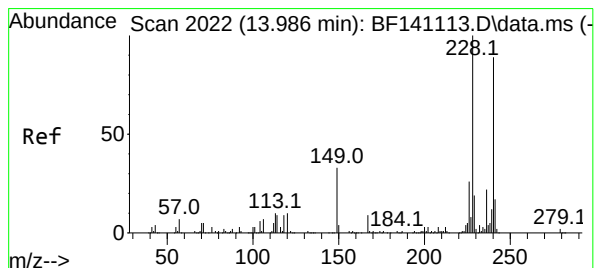
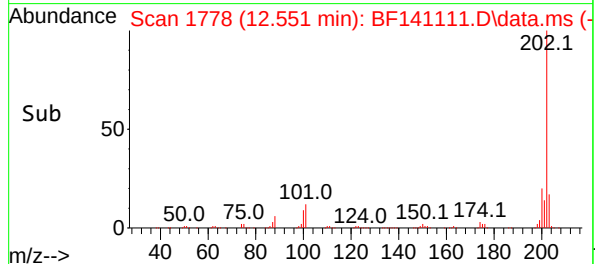
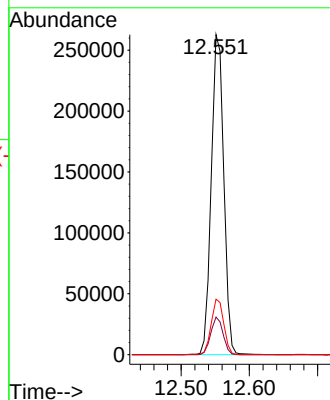
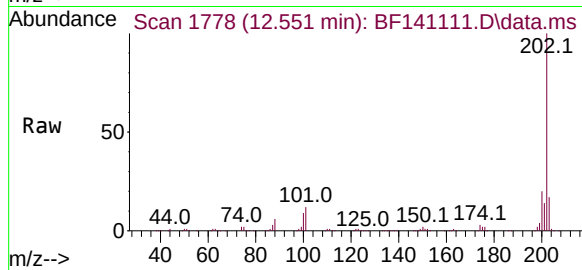




#75  
Fluoranthene  
Concen: 11.083 ng  
RT: 12.551 min Scan# 1779  
Delta R.T. -0.006 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

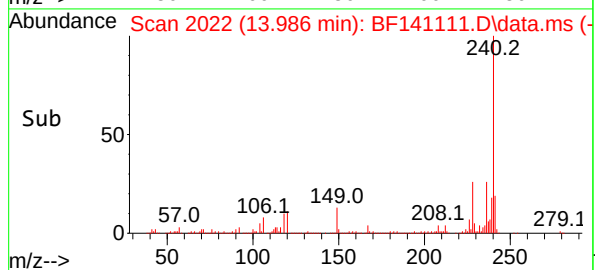
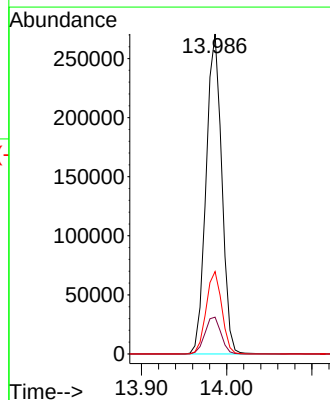
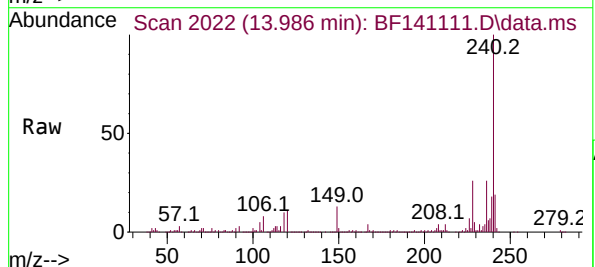
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDIC010

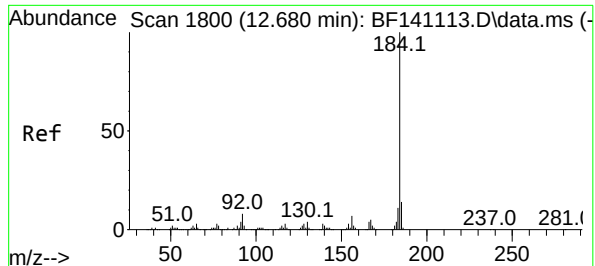
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.7  | 0.0   | 32.3  |
| 203     | 17.3  | 0.0   | 37.7  |



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

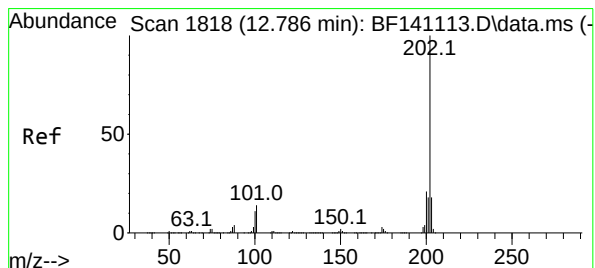
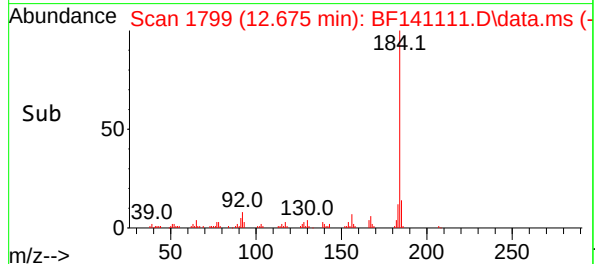
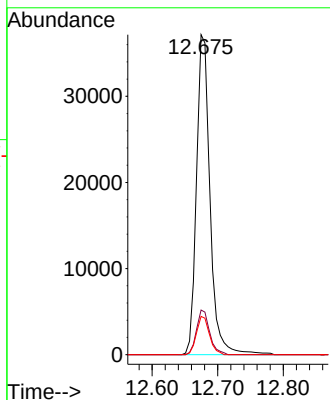
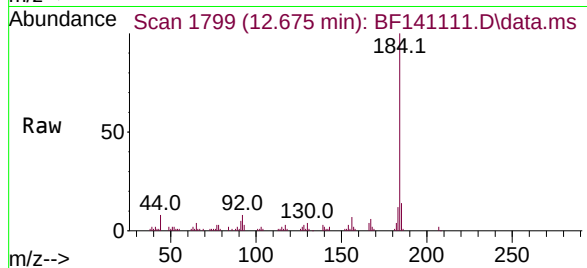




#77  
Benzidine  
Concen: 8.343 ng  
RT: 12.675 min Scan# 1799  
Delta R.T. -0.006 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

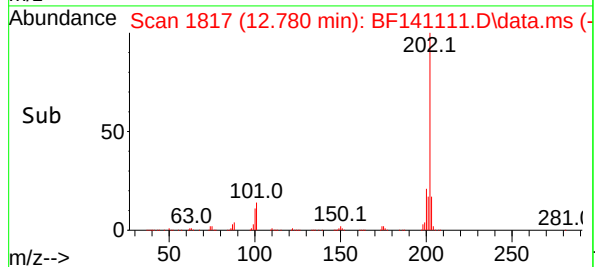
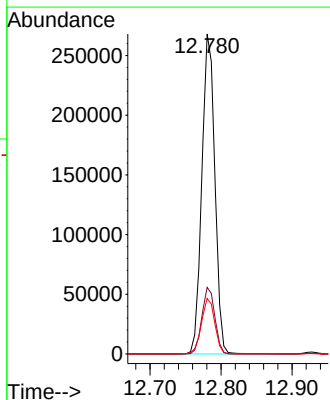
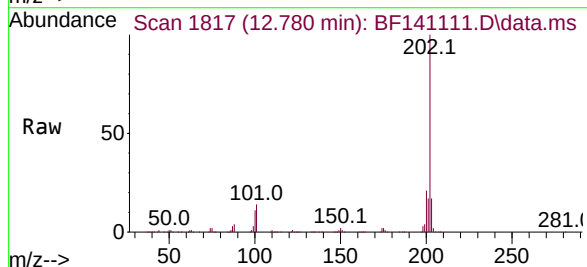
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

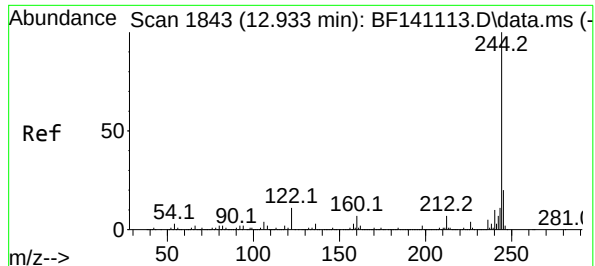
Tgt Ion:184 Resp: 53526  
Ion Ratio Lower Upper  
184 100  
185 14.0 11.4 17.0  
183 11.9 9.2 13.8



#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# 1842

Delta R.T. -0.006 min

Lab File: BF141111.D

Acq: 10 Jan 2025 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

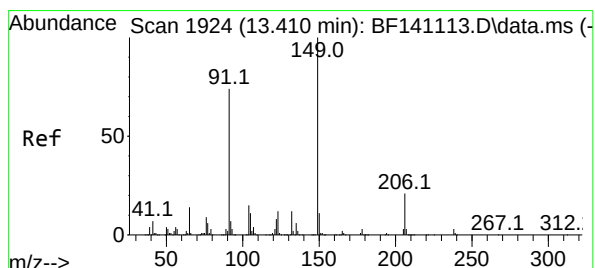
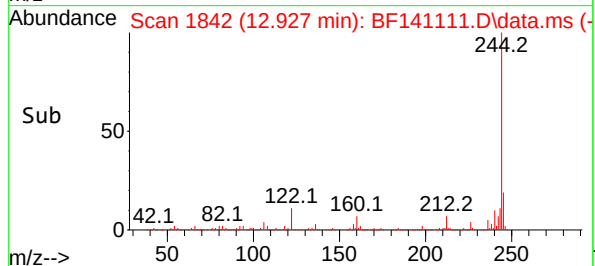
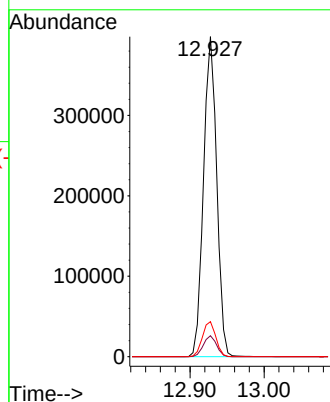
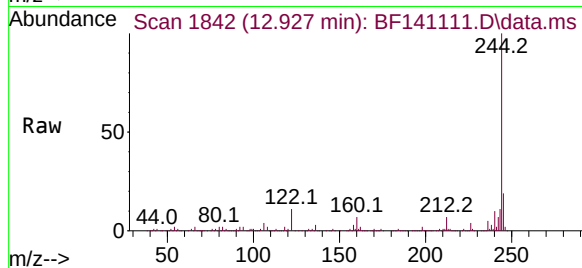
Tgt Ion:244 Resp: 492528

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

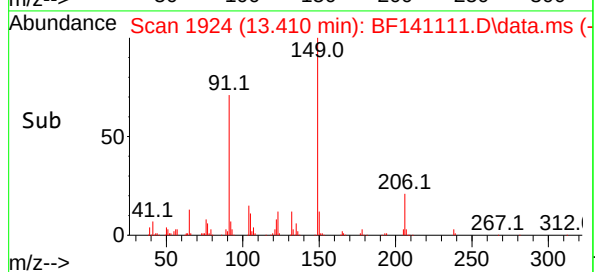
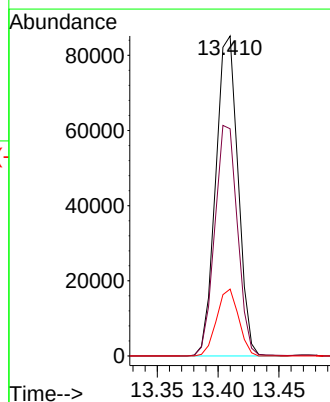
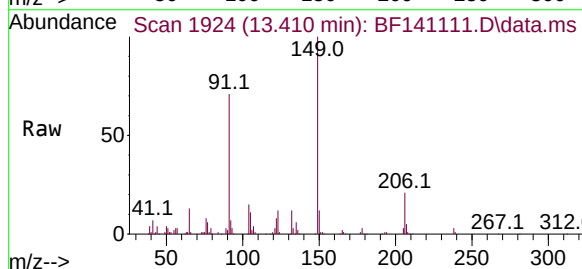
Tgt Ion:149 Resp: 108714

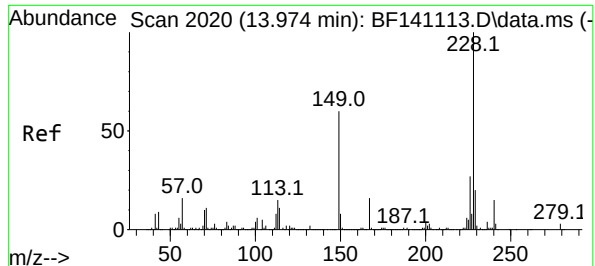
Ion Ratio Lower Upper

149 100

91 71.0 59.0 88.6

206 20.9 16.5 24.7

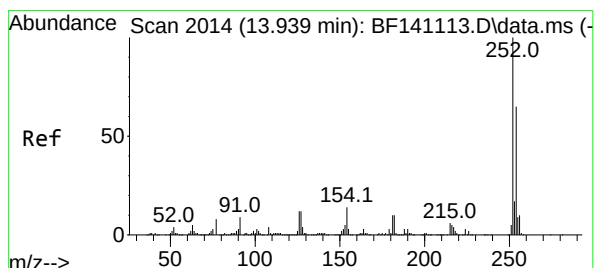
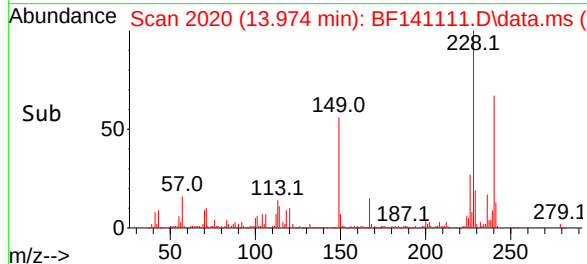
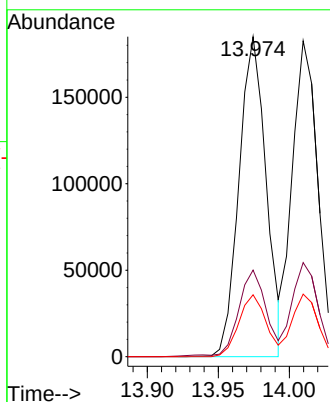
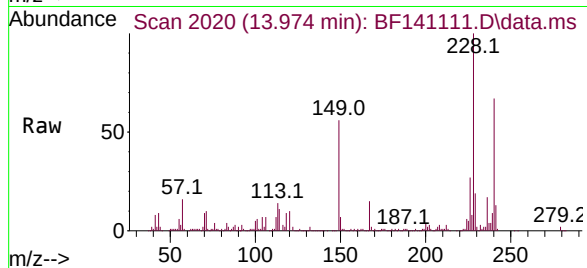




#81  
Benzo(a)anthracene  
Concen: 10.430 ng  
RT: 13.974 min Scan# 2020  
Delta R.T. 0.000 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

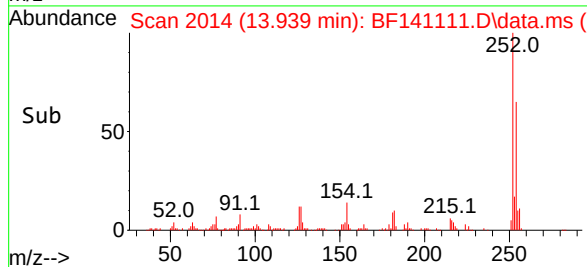
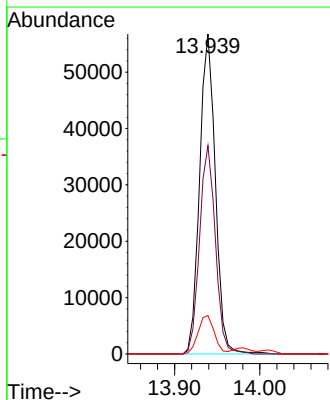
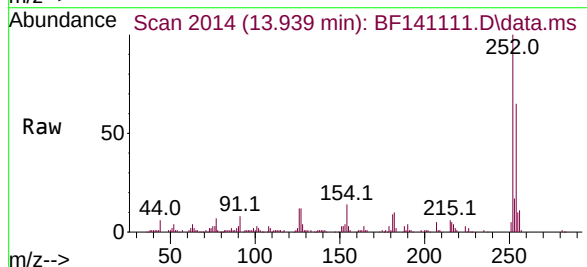
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

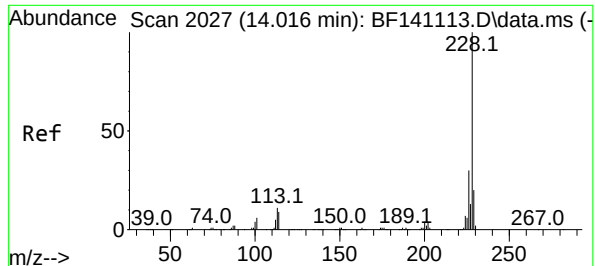
Tgt Ion:228 Resp: 245554  
Ion Ratio Lower Upper  
228 100  
226 27.0 21.7 32.5  
229 19.4 15.7 23.5



#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

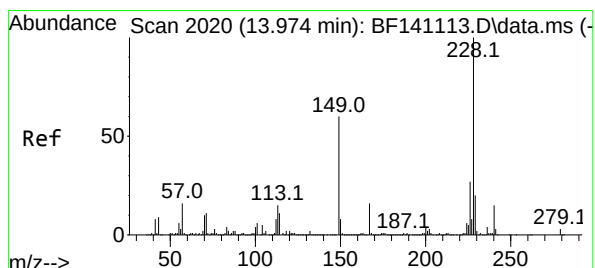
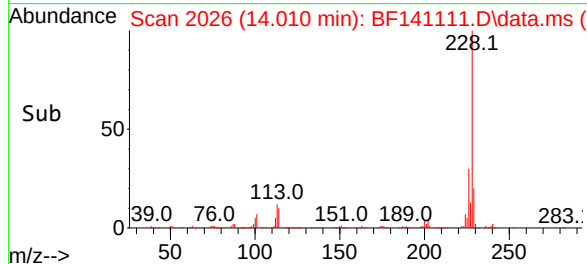
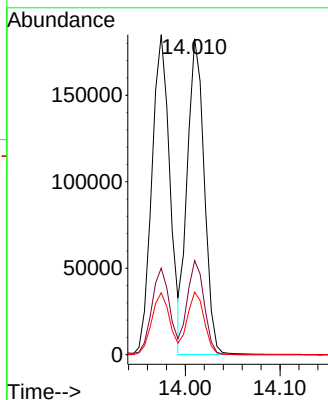
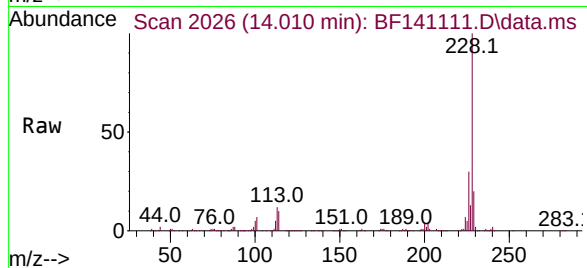




#83  
Chrysene  
Concen: 10.331 ng  
RT: 14.010 min Scan# 2026  
Delta R.T. -0.006 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

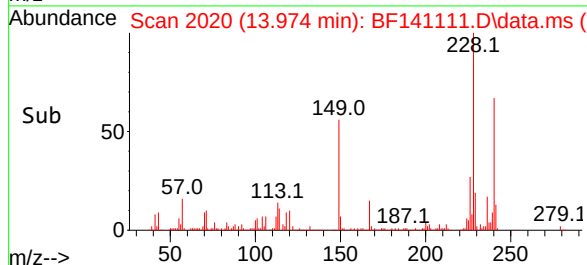
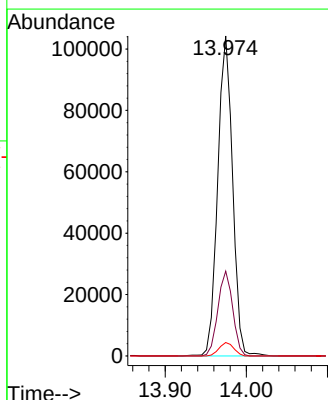
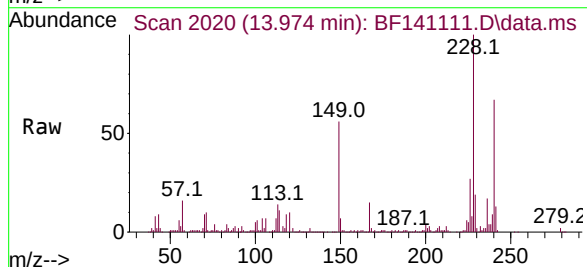
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

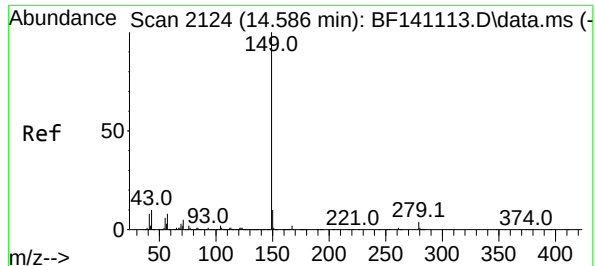
Tgt Ion:228 Resp: 227579  
Ion Ratio Lower Upper  
228 100  
226 29.8 23.8 35.8  
229 19.8 15.8 23.8



#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

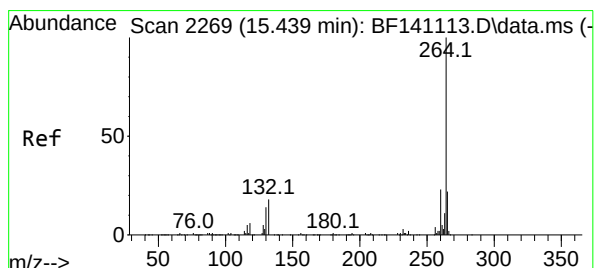
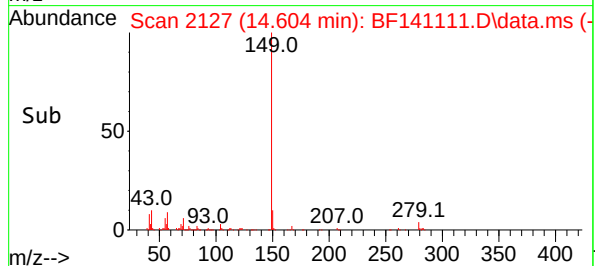
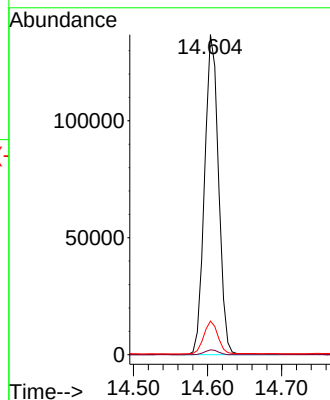
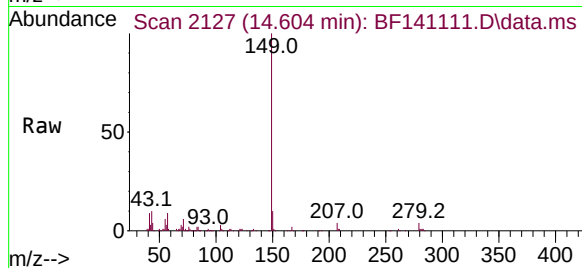




#85  
Di-n-octyl phthalate  
Concen: 9.007 ng  
RT: 14.604 min Scan# 2124  
Delta R.T. 0.018 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

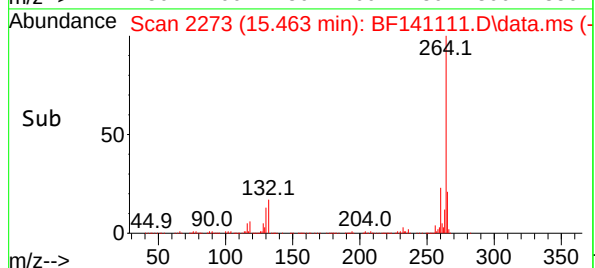
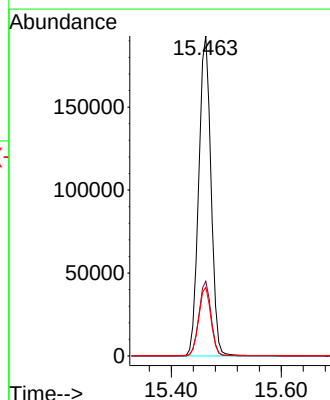
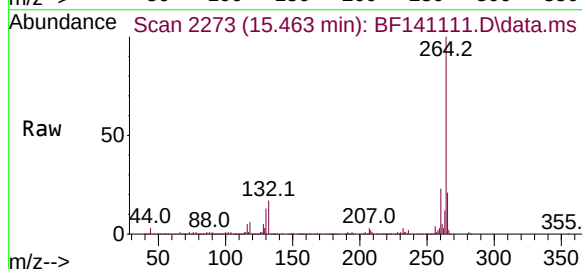
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

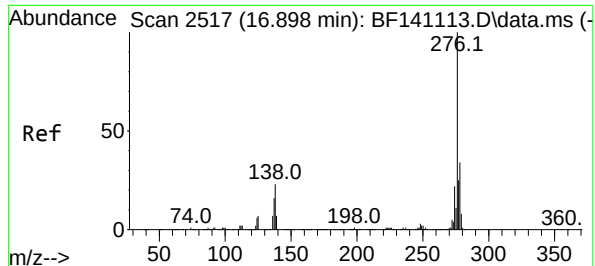
Tgt Ion:149 Resp: 179782  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.3 1.9  
43 10.5 8.4 12.6



#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

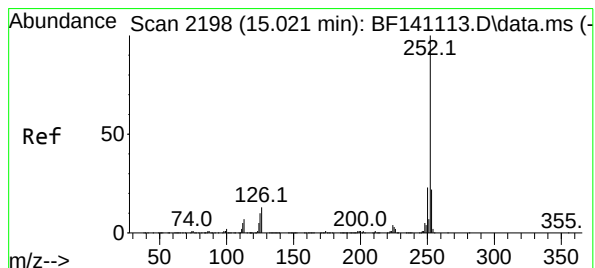
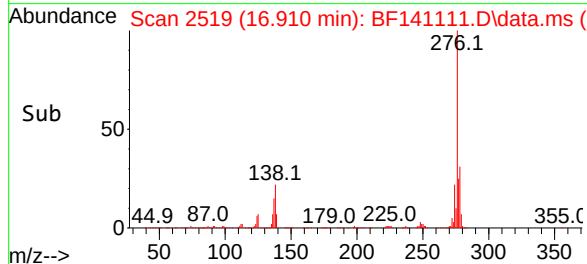
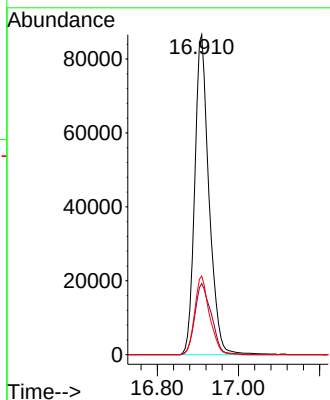
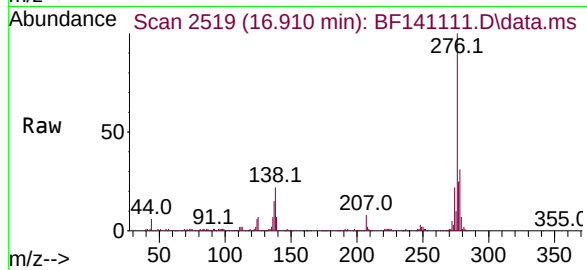




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 9.689 ng  
RT: 16.910 min Scan# 2120  
Delta R.T. 0.012 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

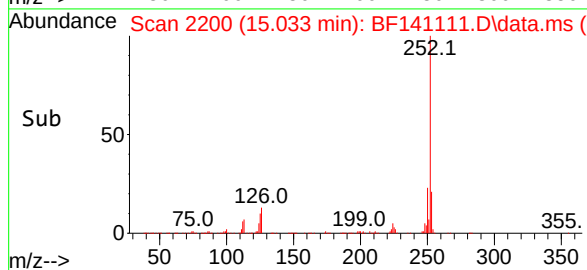
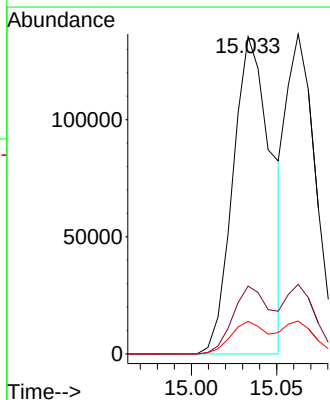
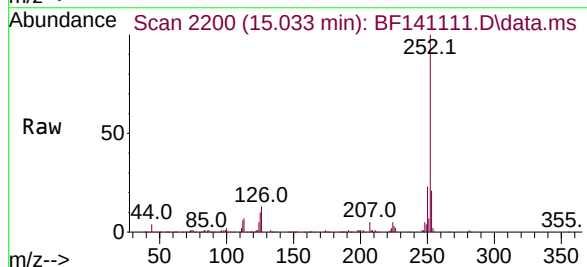
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC010

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

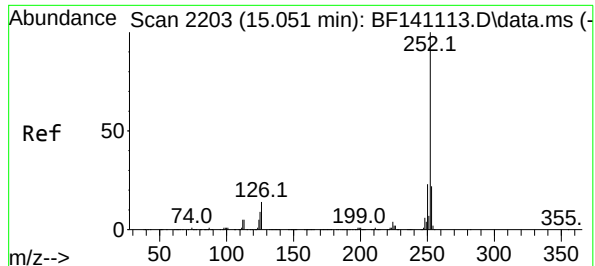


#88  
Benzo(b)fluoranthene  
Concen: 10.973 ng  
RT: 15.033 min Scan# 2200  
Delta R.T. 0.012 min  
Lab File: BF141111.D  
Acq: 10 Jan 2025 13:17

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# 21

Delta R.T. 0.012 min

Lab File: BF141111.D

Acq: 10 Jan 2025 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

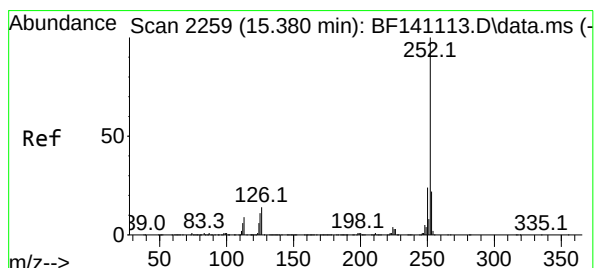
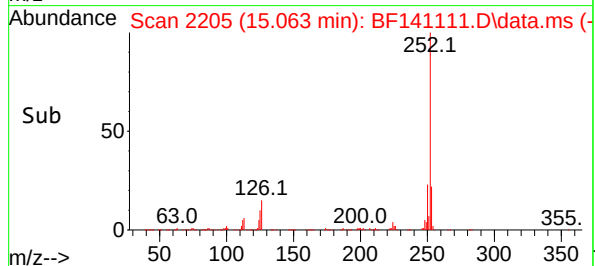
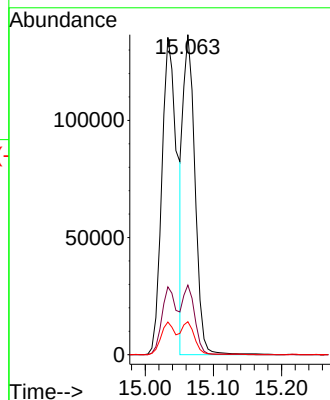
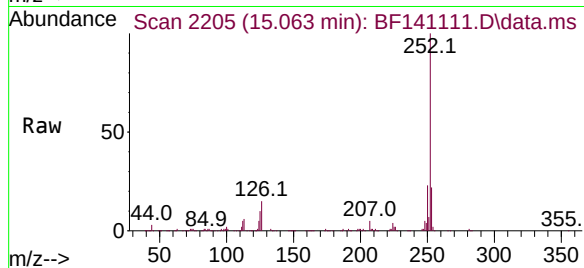
Tgt Ion:252 Resp: 164685

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

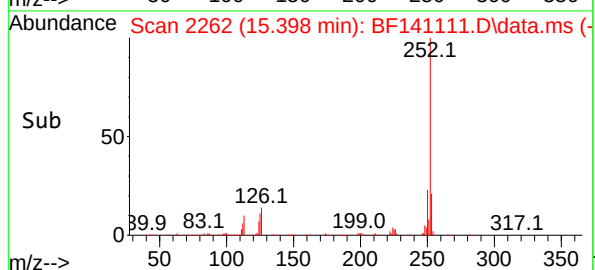
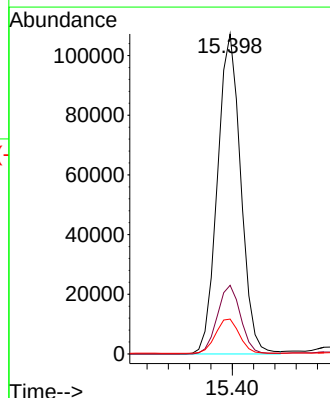
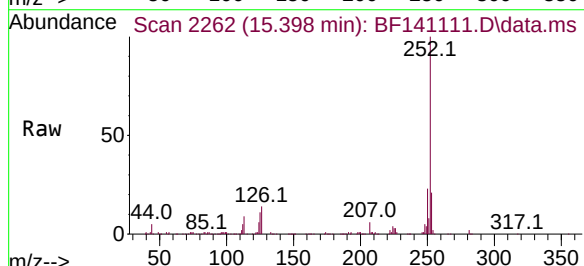
Tgt Ion:252 Resp: 162844

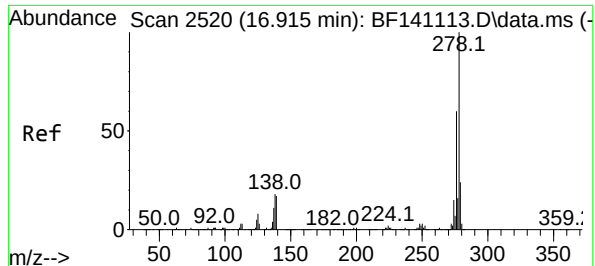
Ion Ratio Lower Upper

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# 2523

Delta R.T. 0.018 min

Lab File: BF141111.D

Acq: 10 Jan 2025 13:17

Instrument :

BNA\_F

ClientSampleId :

SSTDICC010

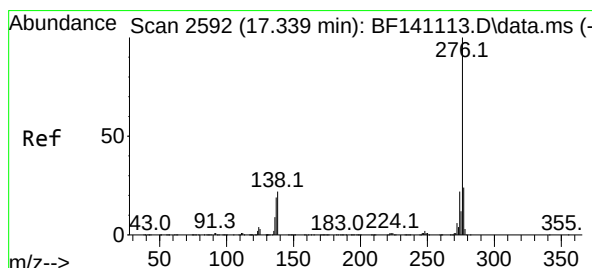
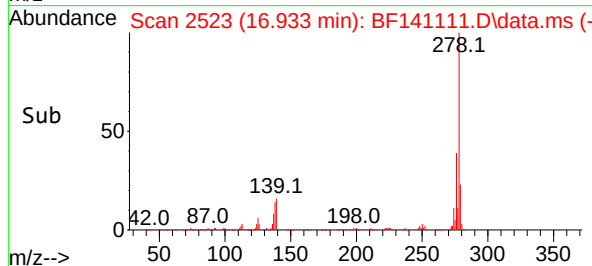
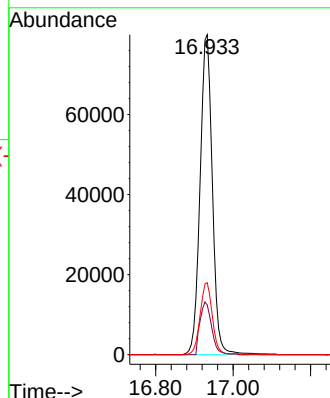
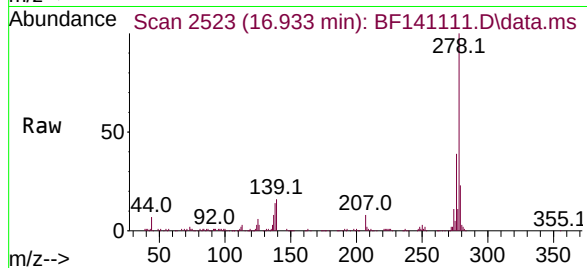
Tgt Ion:278 Resp: 176005

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

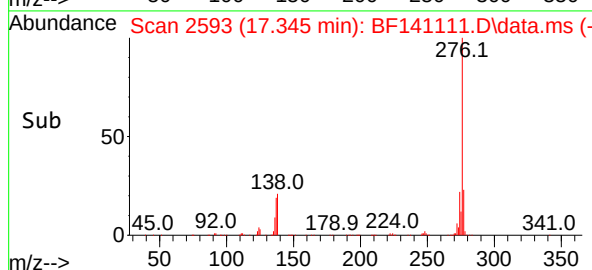
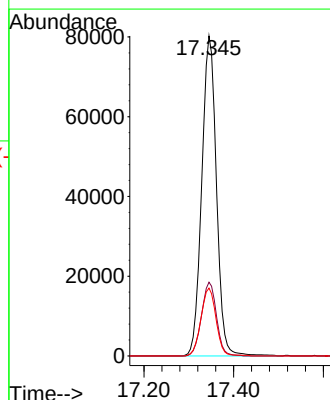
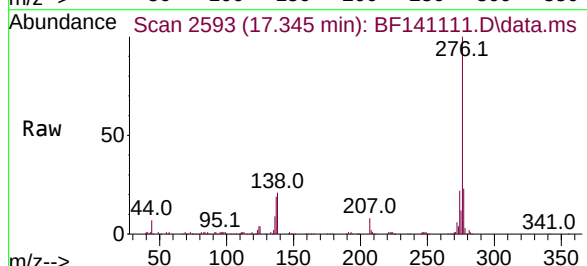
Tgt Ion:276 Resp: 182406

Ion Ratio Lower Upper

276 100

277 23.0 19.0 28.4

138 21.2 17.4 26.2



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      |

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

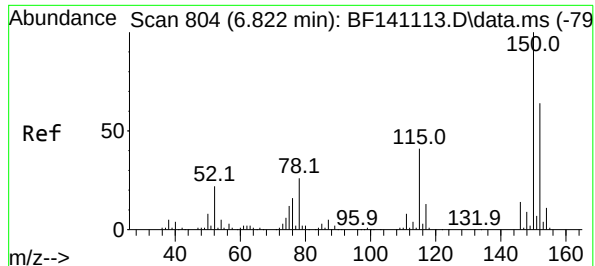
Quant Time: Jan 10 22:19:20 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 10 22:16:11 2025  
 Response via : Initial Calibration

| 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

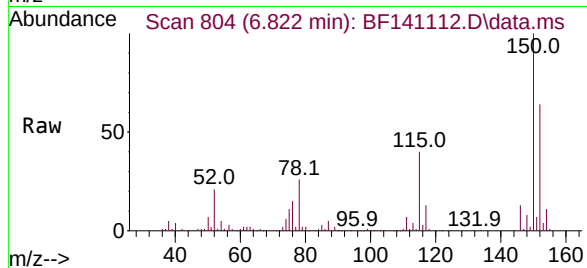
**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDICC020

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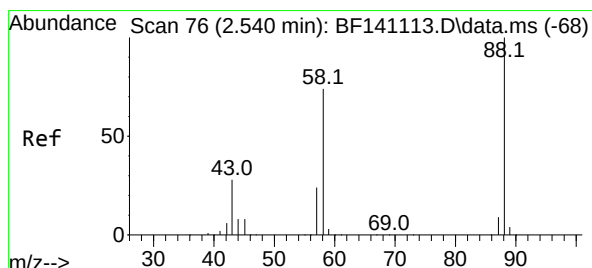
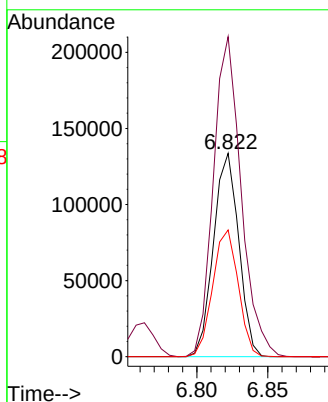
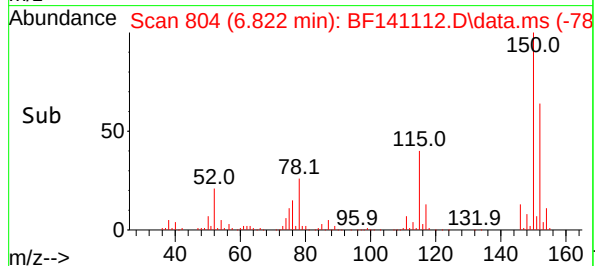


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

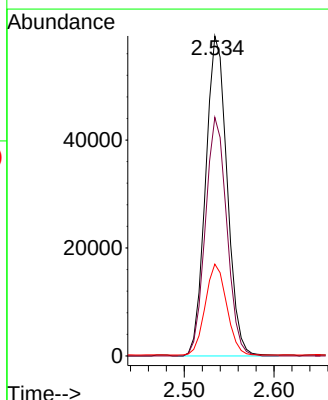
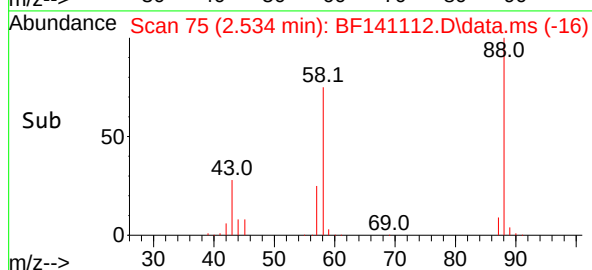
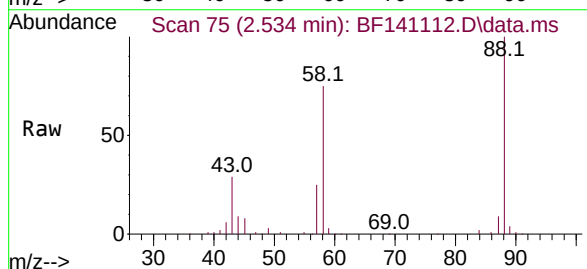


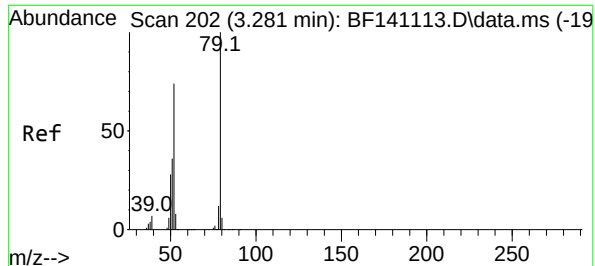
Tgt Ion:152 Resp: 165025  
Ion Ratio Lower Upper  
152 100  
150 157.4 125.8 188.8  
115 62.3 51.4 77.2



#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

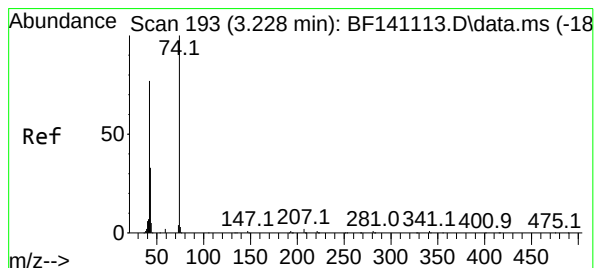
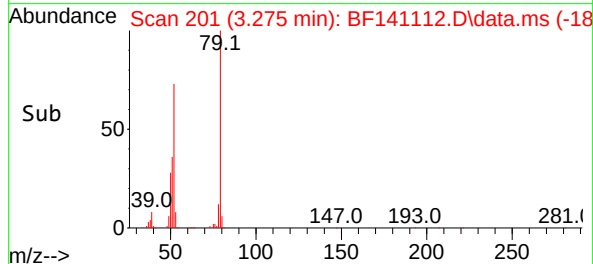
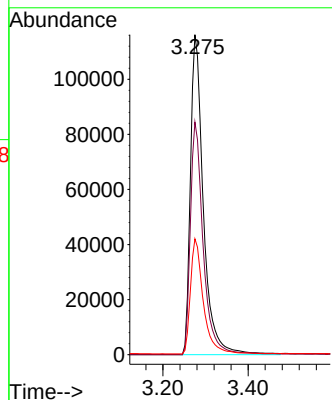
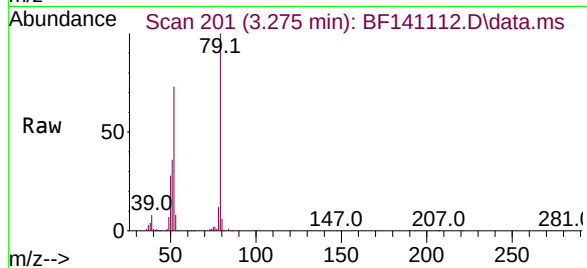




#3  
Pyridine  
Concen: 21.028 ng  
RT: 3.275 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

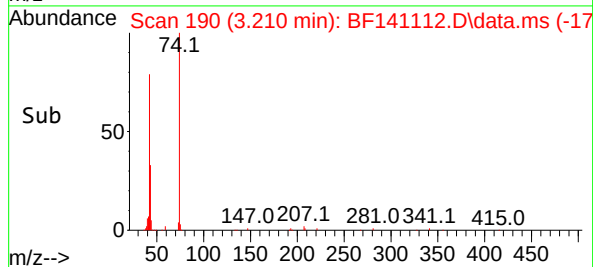
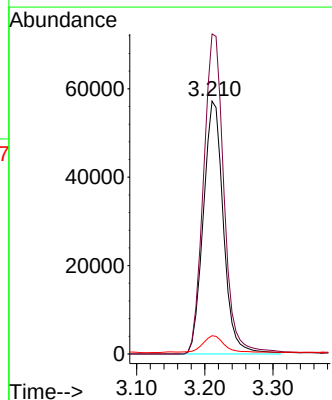
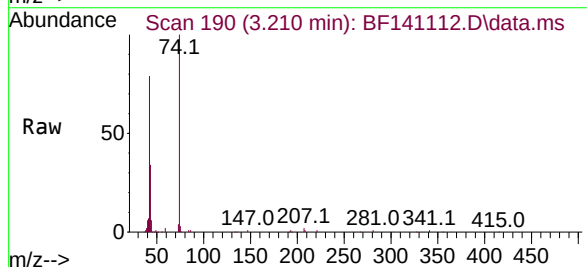
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

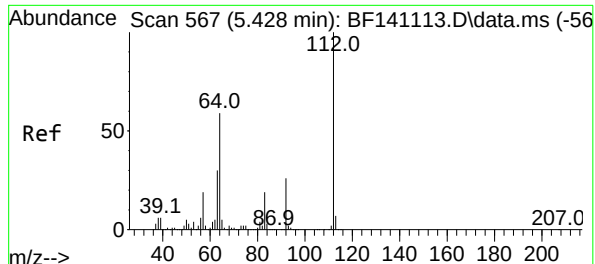
Tgt Ion: 79 Resp: 245303  
Ion Ratio Lower Upper  
79 100  
52 72.7 58.9 88.3  
51 36.2 29.1 43.7



#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

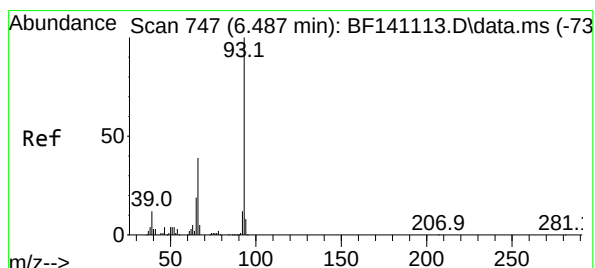
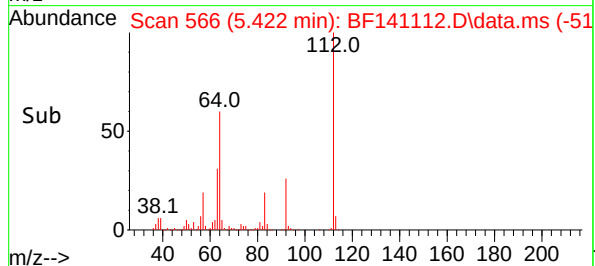
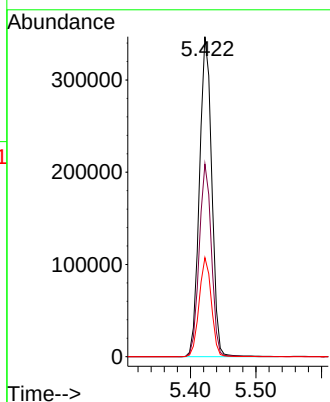
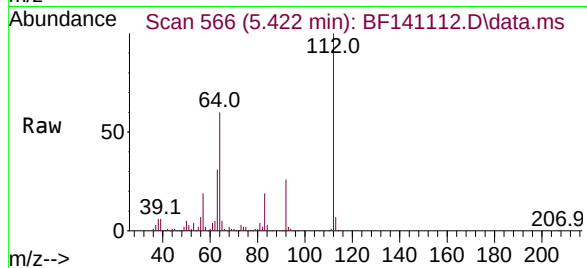




#5  
2-Fluorophenol  
Concen: 42.566 ng  
RT: 5.422 min Scan# 501  
Delta R.T. -0.006 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

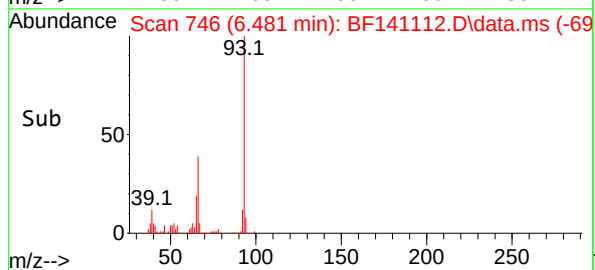
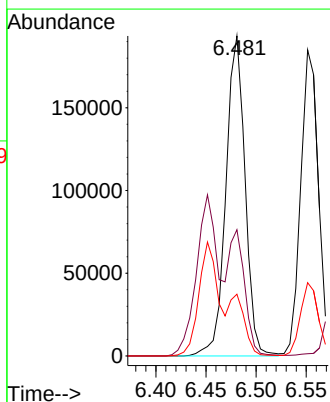
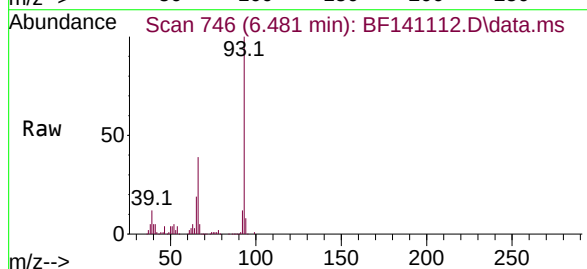
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

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

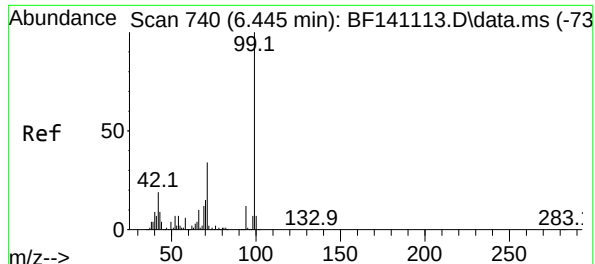


#6  
Aniline  
Concen: 21.446 ng  
RT: 6.481 min Scan# 746  
Delta R.T. -0.006 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

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# 740

Delta R.T. -0.006 min

Lab File: BF141112.D

Acq: 10 Jan 2025 14:10

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

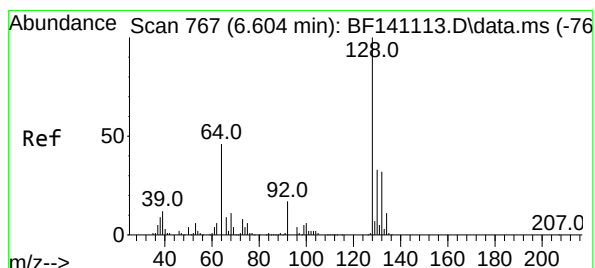
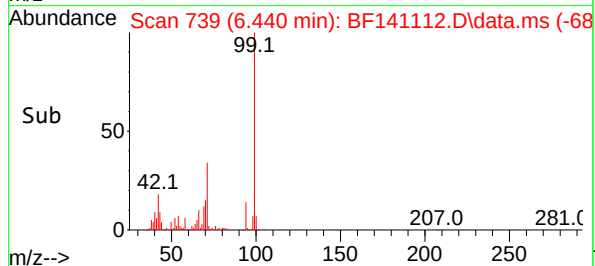
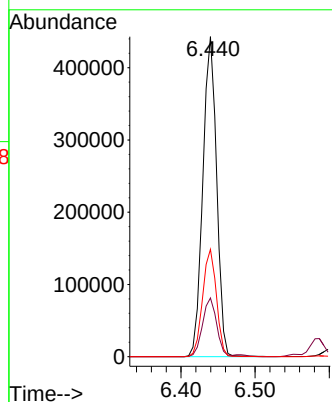
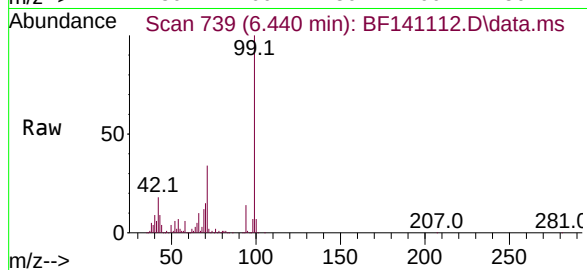
Tgt Ion: 99 Resp: 572898

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

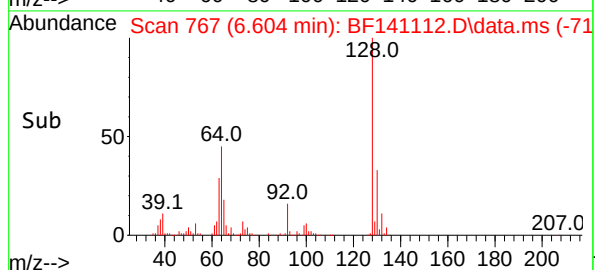
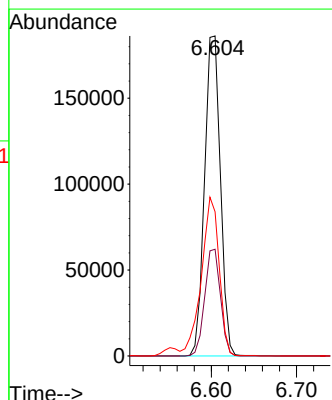
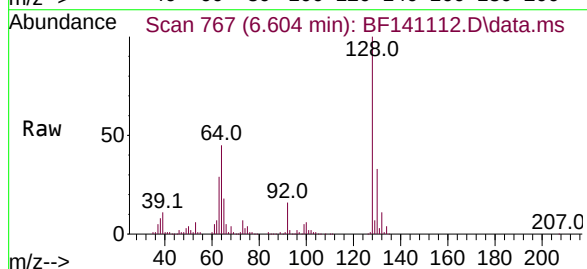
Tgt Ion:128 Resp: 240612

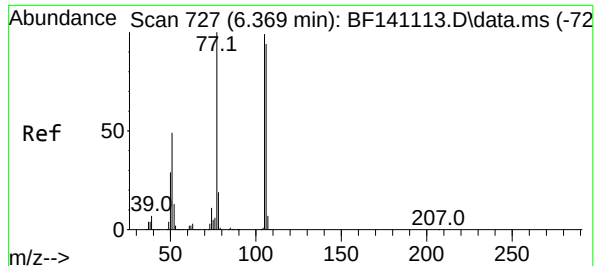
Ion Ratio Lower Upper

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# 71

Delta R.T. 0.000 min

Lab File: BF141112.D

Acq: 10 Jan 2025 14:10

Instrument :

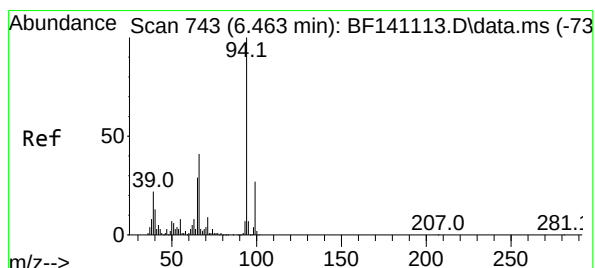
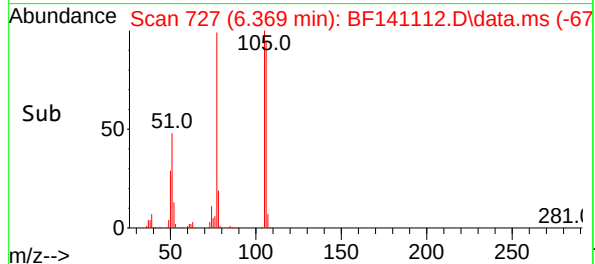
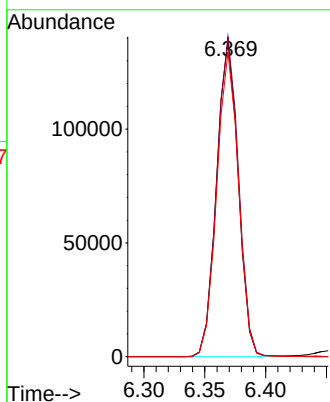
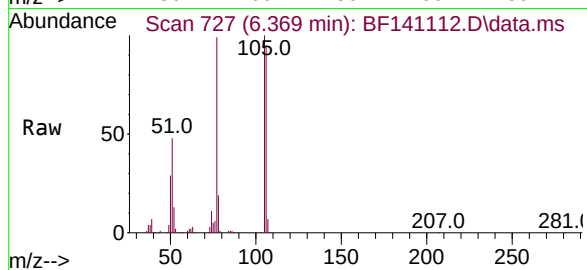
BNA\_F

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

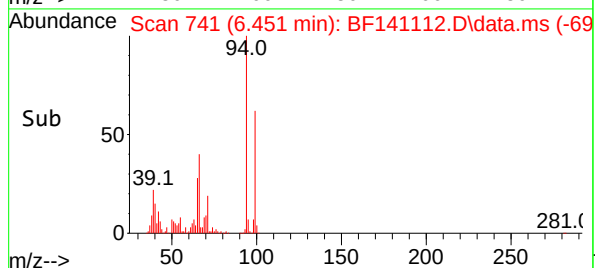
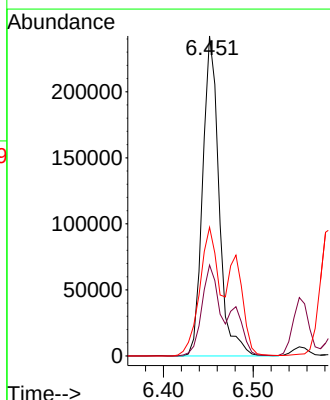
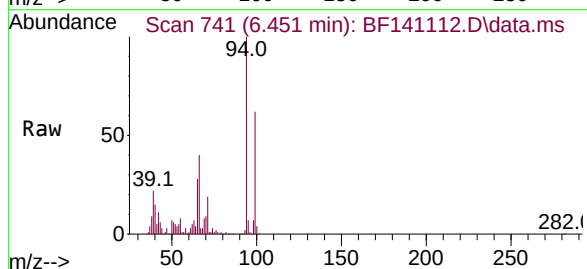
Delta R.T. -0.012 min

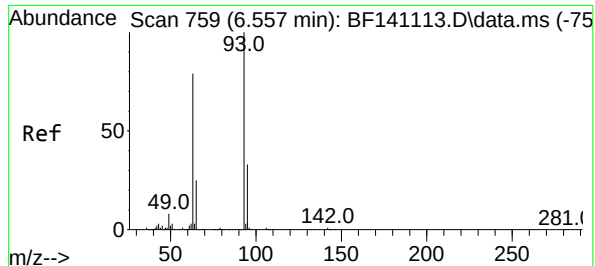
Lab File: BF141112.D

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# 71

Delta R.T. -0.006 min

Lab File: BF141112.D

Acq: 10 Jan 2025 14:10

Instrument :

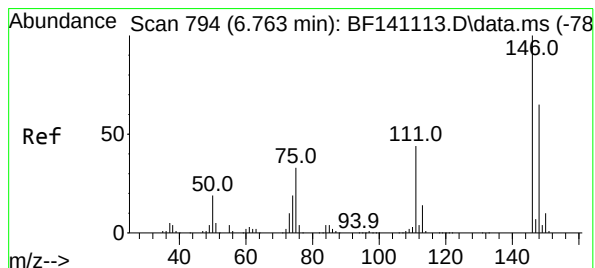
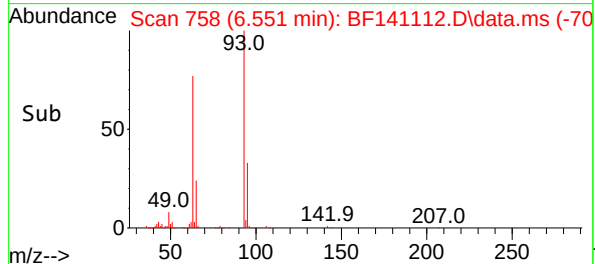
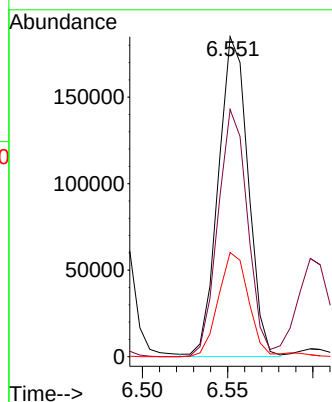
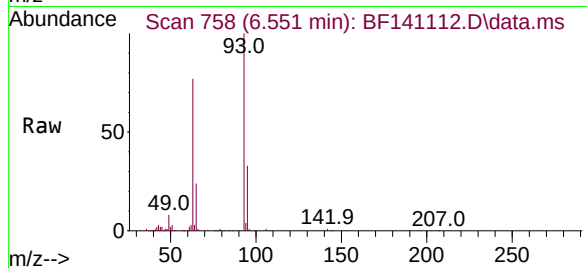
BNA\_F

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

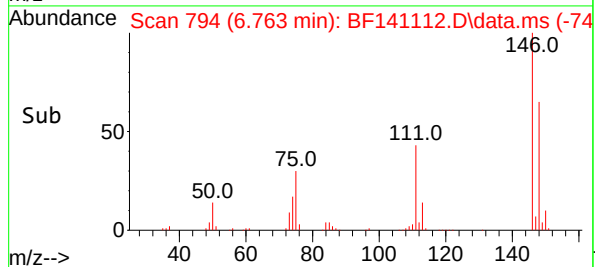
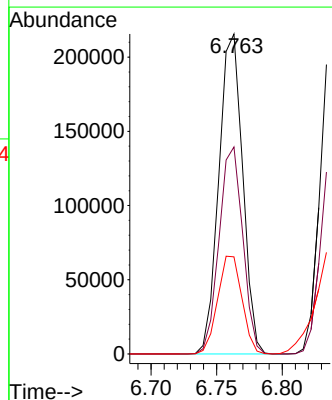
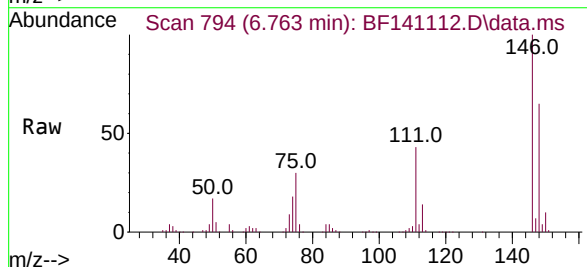
Delta R.T. 0.000 min

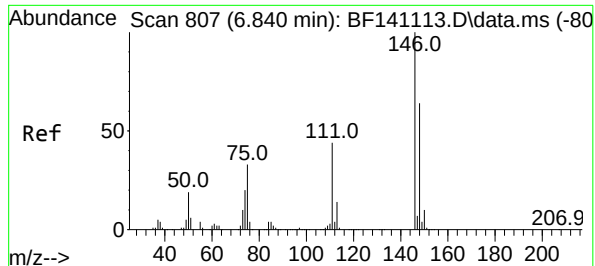
Lab File: BF141112.D

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# 807

Delta R.T. 0.000 min

Lab File: BF141112.D

Acq: 10 Jan 2025 14:10

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

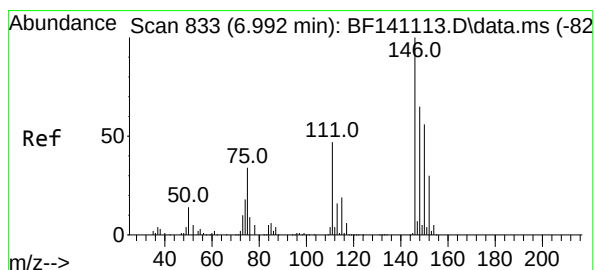
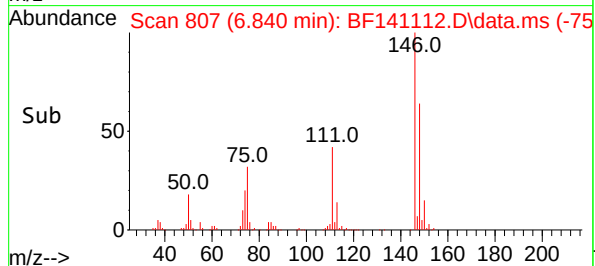
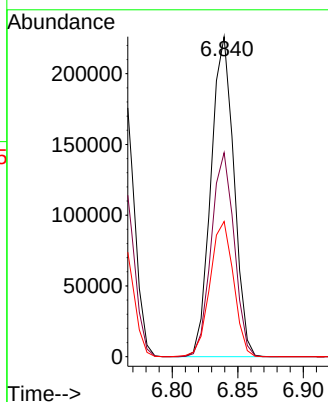
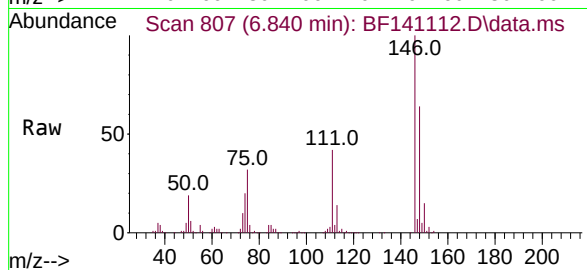
Tgt Ion:146 Resp: 275255

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

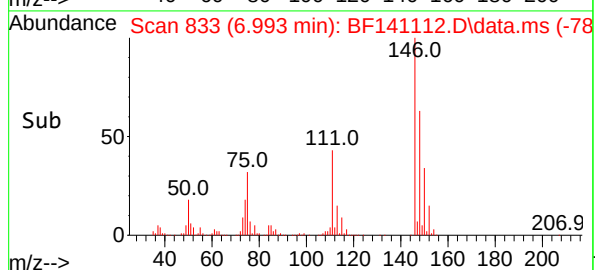
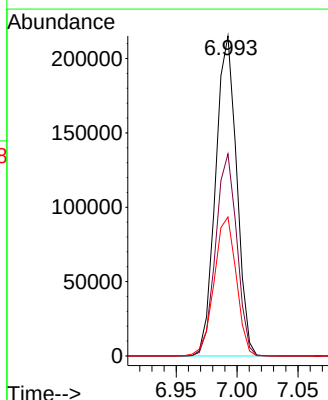
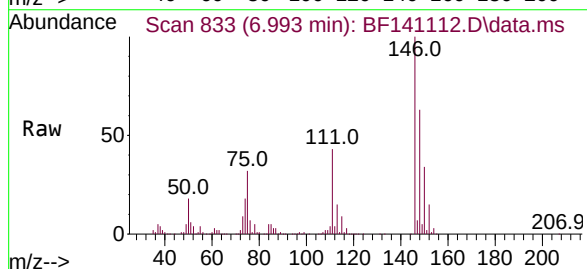
Tgt Ion:146 Resp: 259444

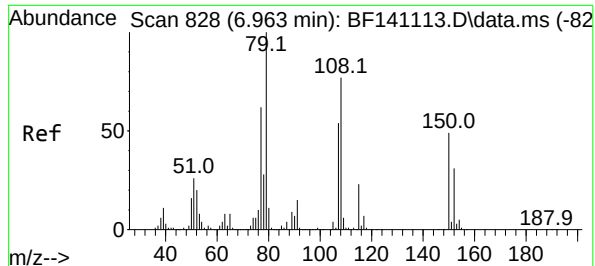
Ion Ratio Lower Upper

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# 81

Delta R.T. -0.006 min

Lab File: BF141112.D

Acq: 10 Jan 2025 14:10

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

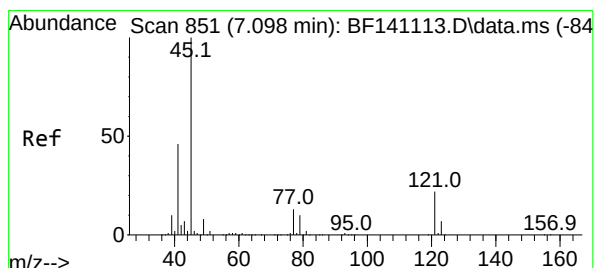
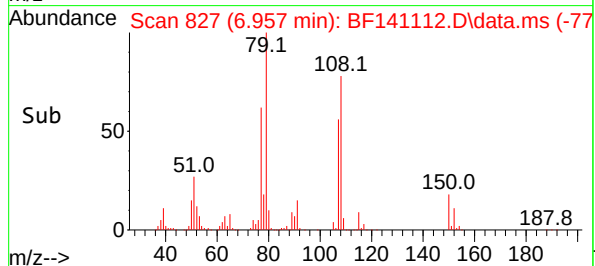
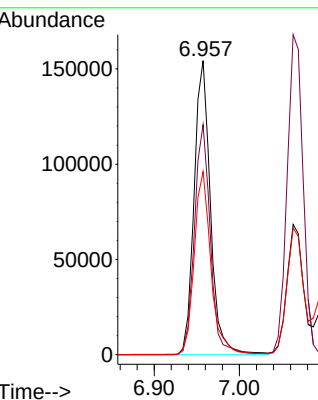
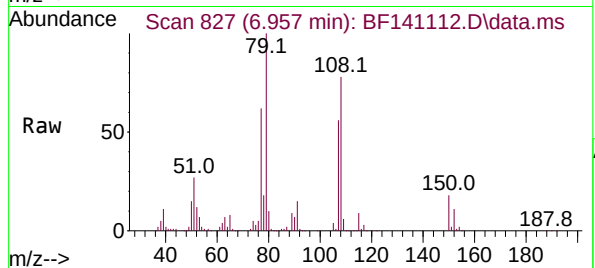
Tgt Ion: 79 Resp: 205325

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

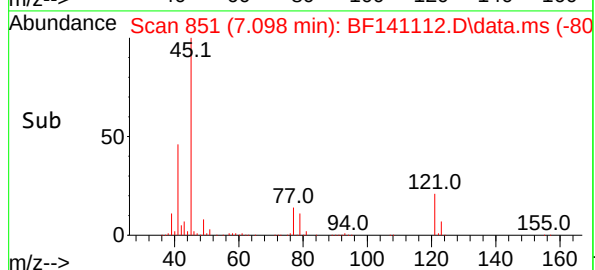
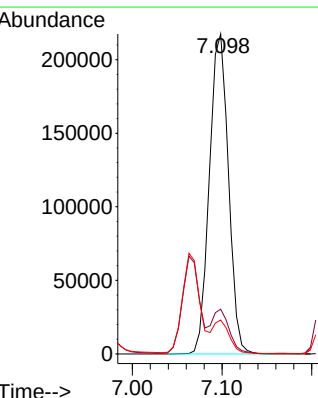
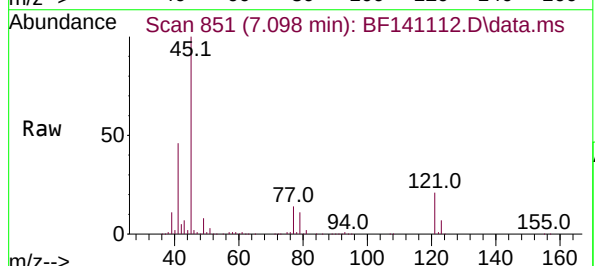
Tgt Ion: 45 Resp: 319998

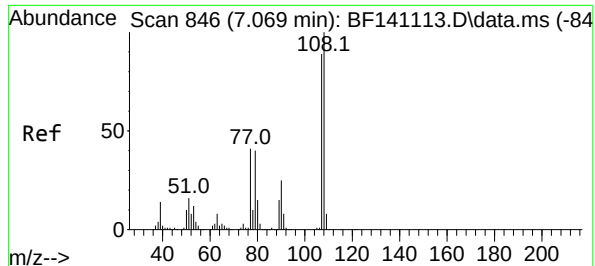
Ion Ratio Lower Upper

45 100

77 14.0 0.0 34.1

79 10.6 0.0 31.0

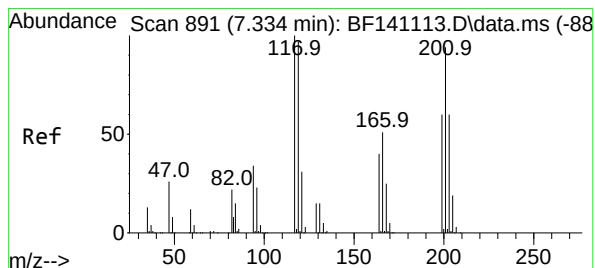
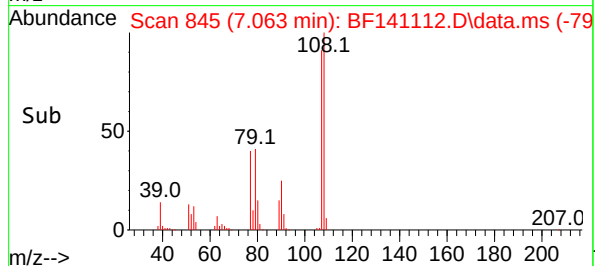
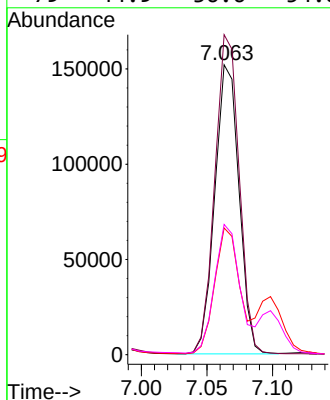
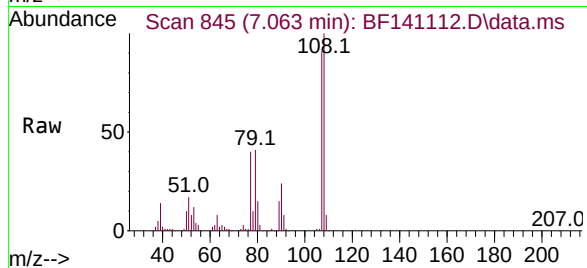




#17  
2-Methylphenol  
Concen: 21.080 ng  
RT: 7.063 min Scan# 846  
Delta R.T. -0.006 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

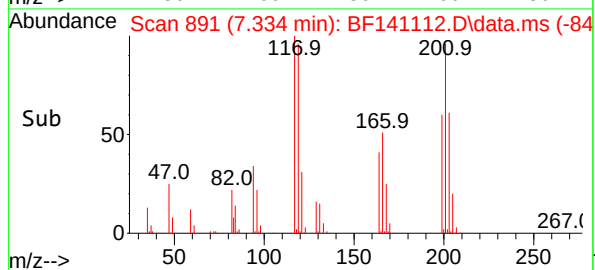
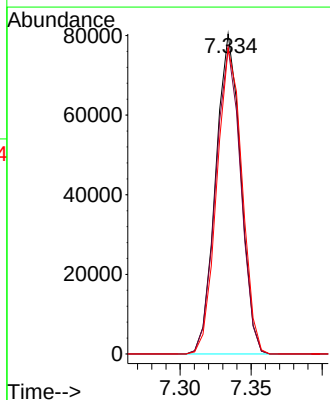
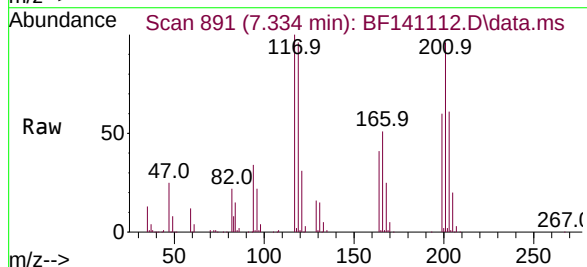
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

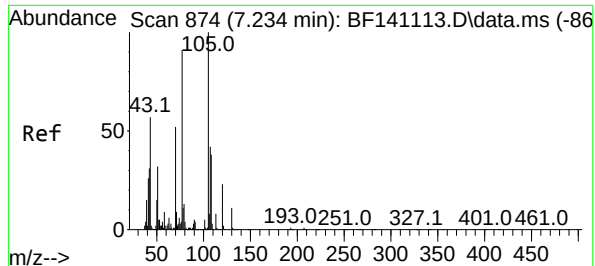
Tgt Ion:107 Resp: 195053  
Ion Ratio Lower Upper  
107 100  
108 110.4 90.1 135.1  
77 43.7 36.6 55.0  
79 44.9 36.6 54.8



#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# 81

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

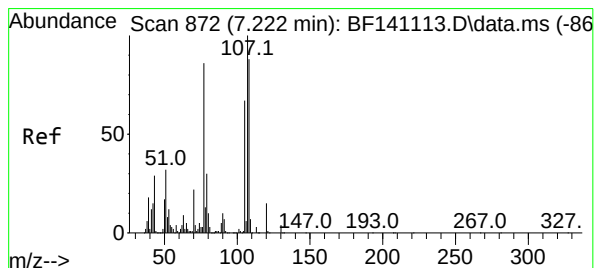
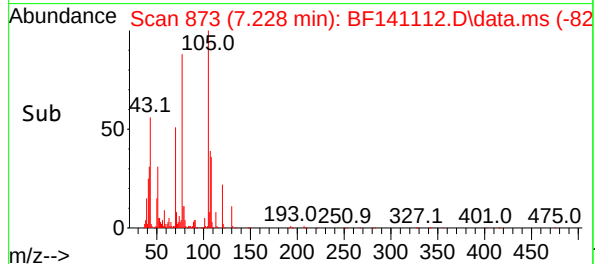
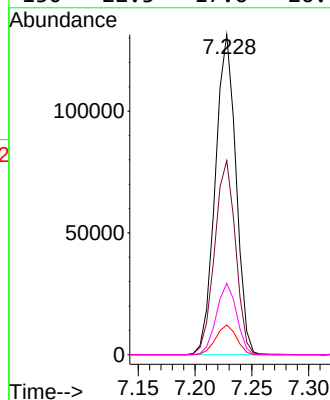
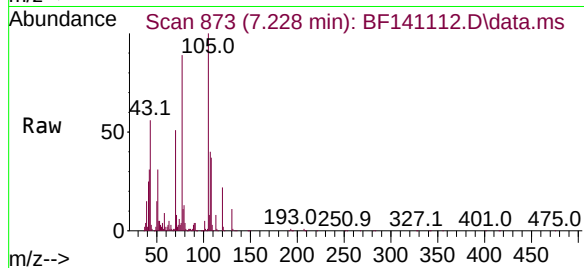
Ion Ratio Lower Upper

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

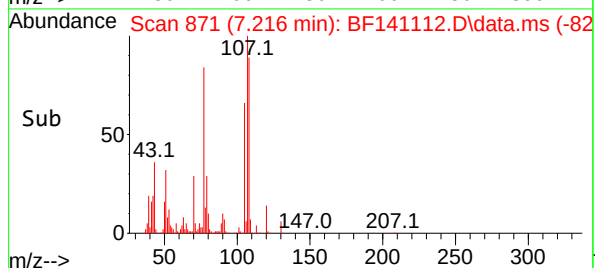
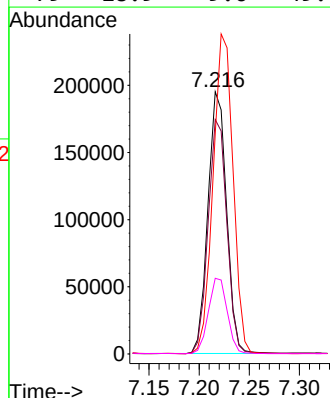
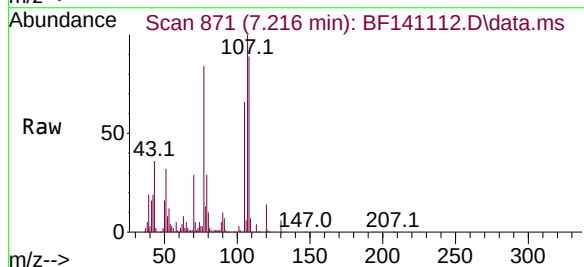
Ion Ratio Lower Upper

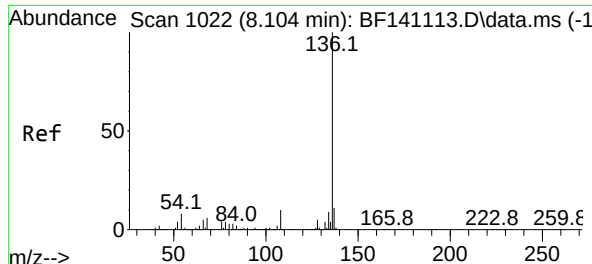
107 100

108 89.4 68.3 108.3

77 84.1 66.4 106.4

79 28.9 9.6 49.6

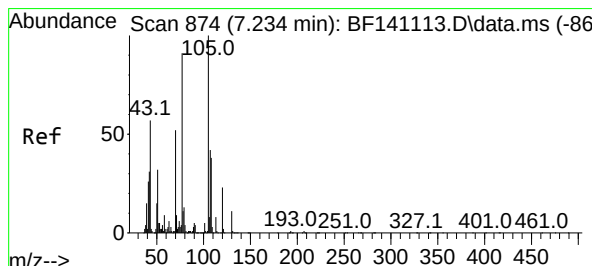
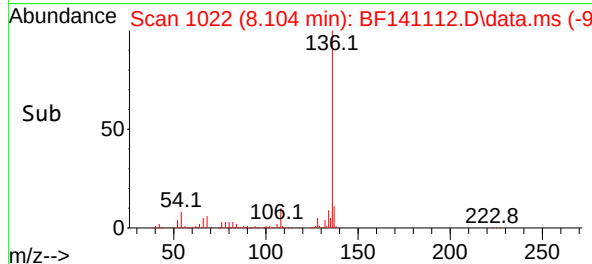
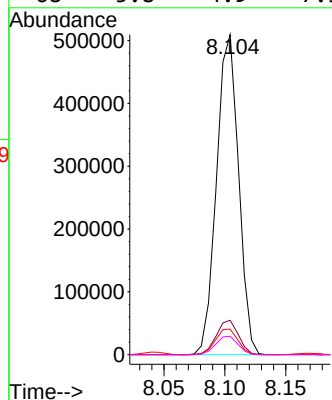
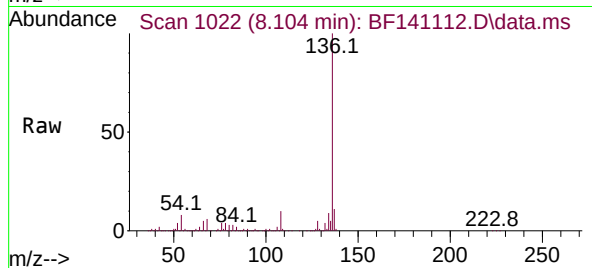




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 1022  
Delta R.T. 0.000 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

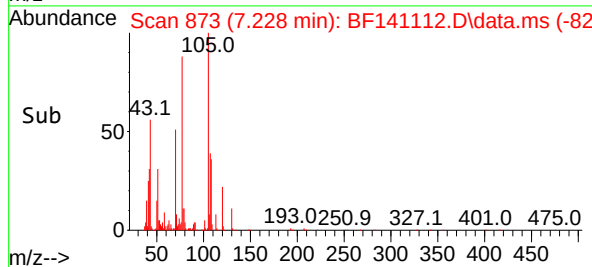
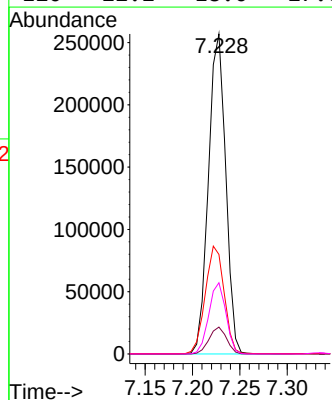
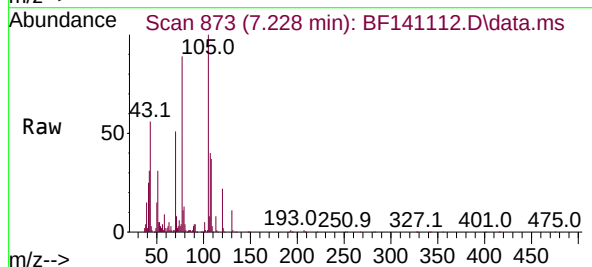
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

|          |       |       |        |
|----------|-------|-------|--------|
| 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    |

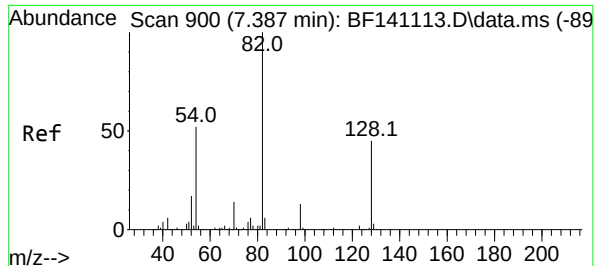


#22  
Acetophenone  
Concen: 21.318 ng  
RT: 7.228 min Scan# 873  
Delta R.T. -0.006 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

|          |       |       |        |
|----------|-------|-------|--------|
| 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# 89

Delta R.T. -0.006 min

Lab File: BF141112.D

Acq: 10 Jan 2025 14:10

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

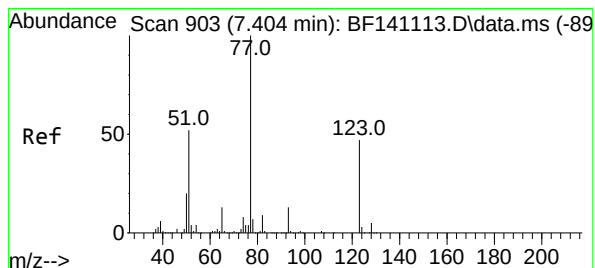
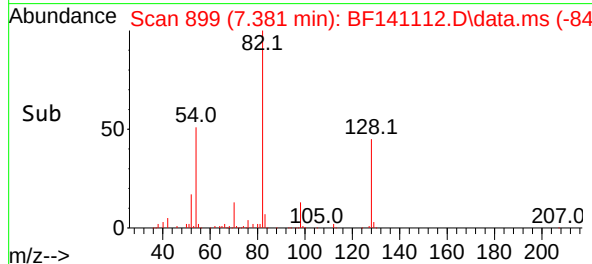
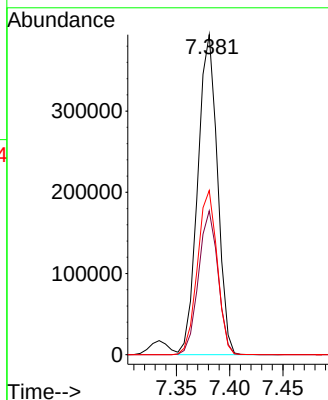
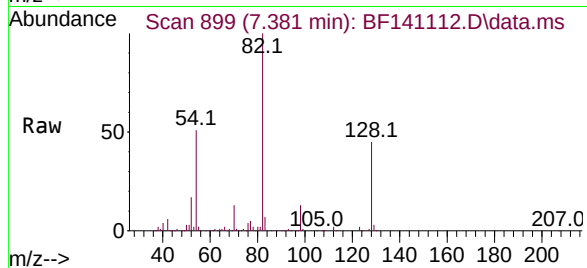
Tgt Ion: 82 Resp: 505718

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

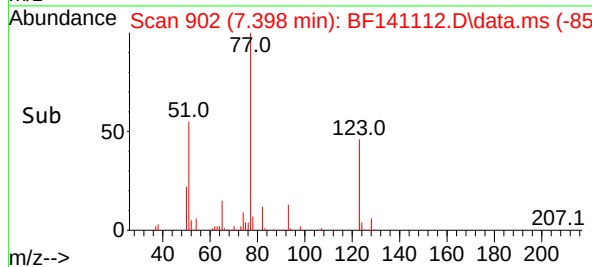
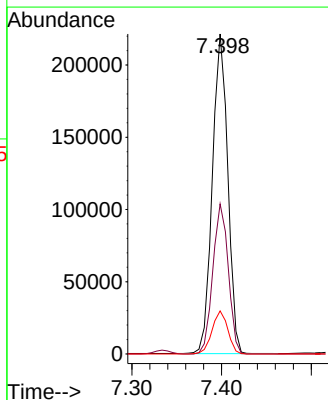
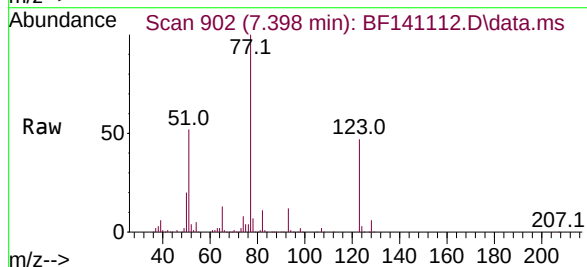
Tgt Ion: 77 Resp: 263687

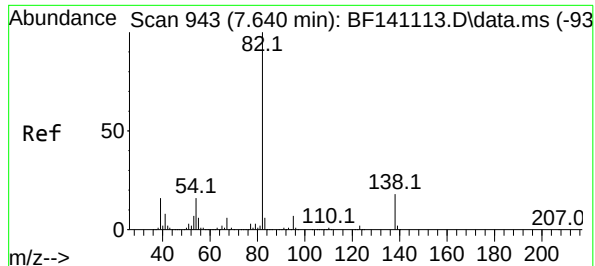
Ion Ratio Lower Upper

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# 943

Delta R.T. 0.000 min

Lab File: BF141112.D

Acq: 10 Jan 2025 14:10

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

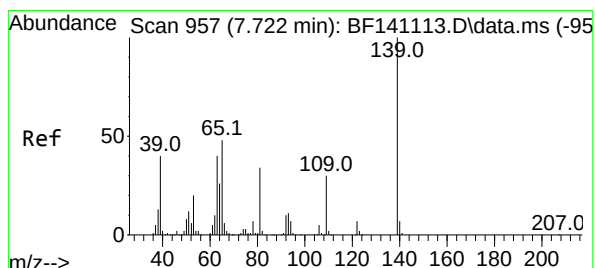
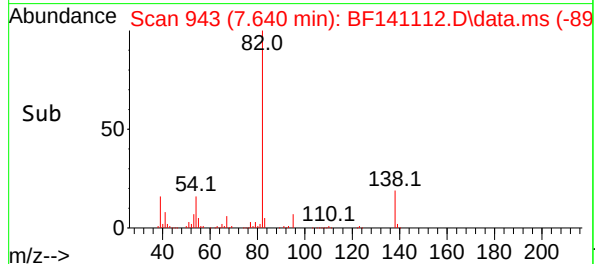
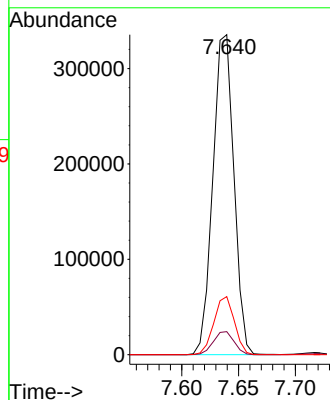
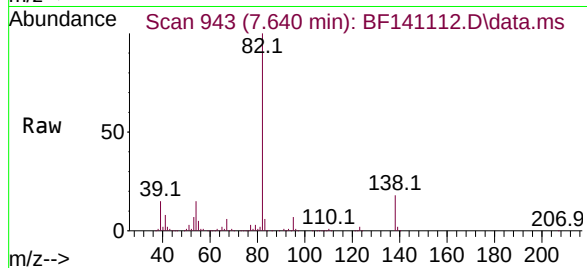
Tgt Ion: 82 Resp: 432580

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

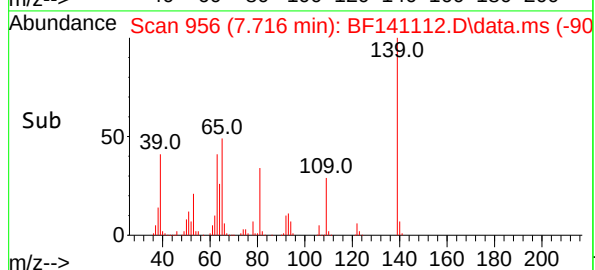
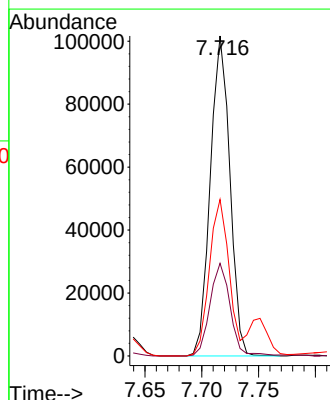
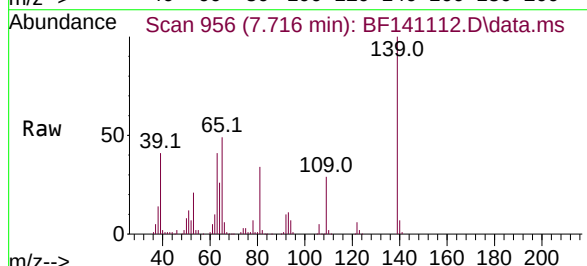
Tgt Ion: 139 Resp: 121643

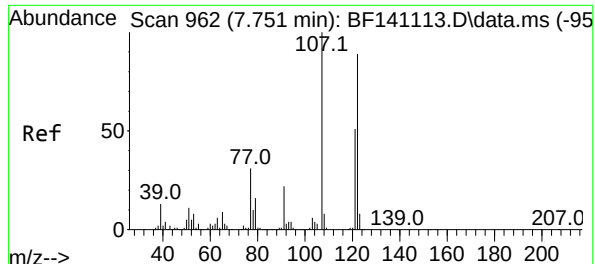
Ion Ratio Lower Upper

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# 962

Delta R.T. 0.000 min

Lab File: BF141112.D

Acq: 10 Jan 2025 14:10

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

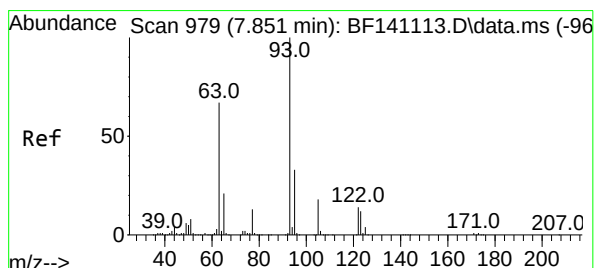
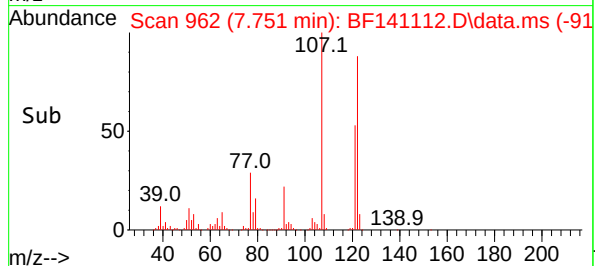
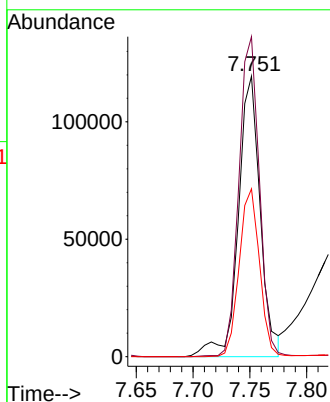
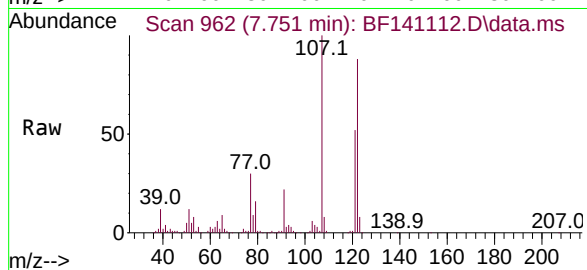
Tgt Ion:122 Resp: 160116

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

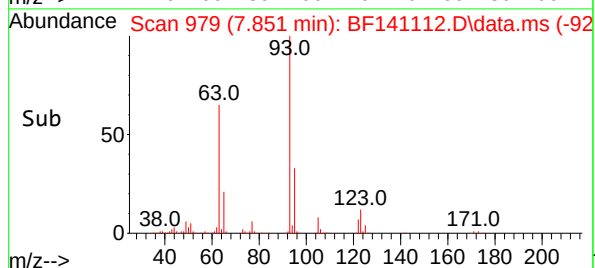
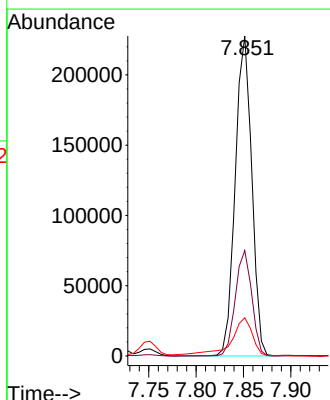
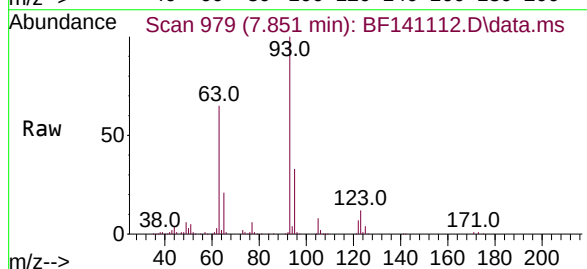
Tgt Ion: 93 Resp: 275641

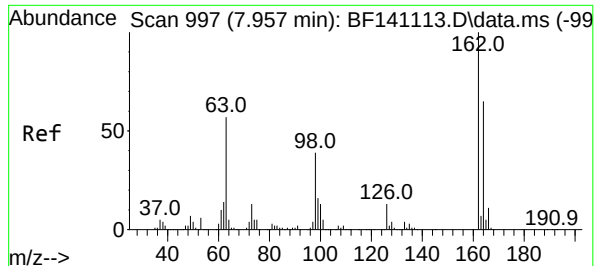
Ion Ratio Lower Upper

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# 997

Delta R.T. -0.006 min

Lab File: BF141112.D

Acq: 10 Jan 2025 14:10

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

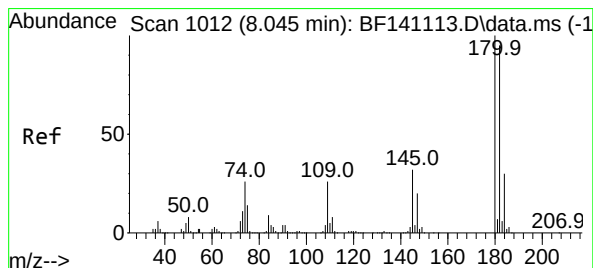
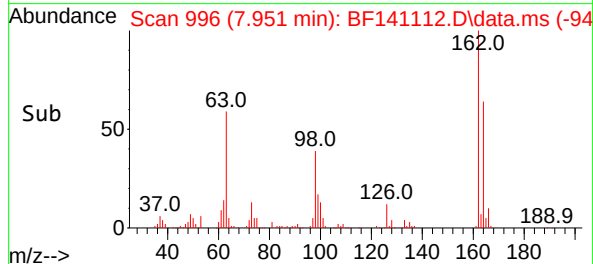
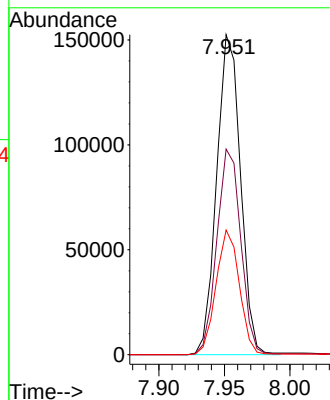
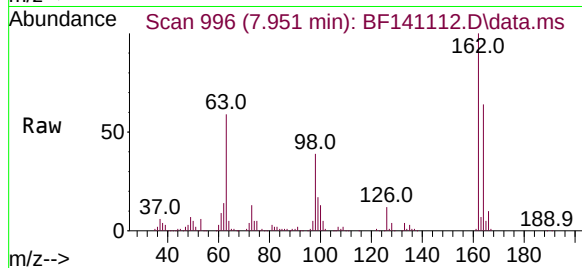
Tgt Ion:162 Resp: 192733

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

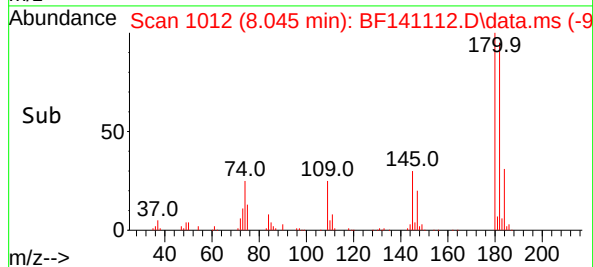
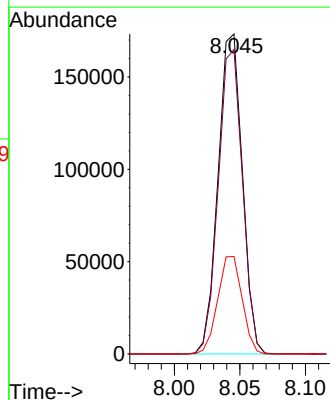
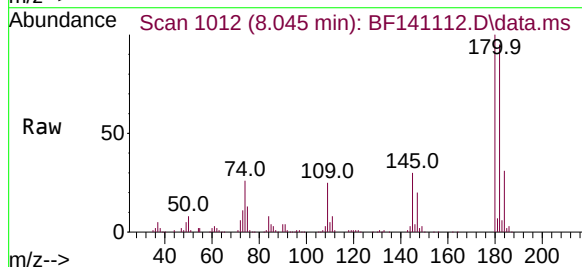
Tgt Ion:180 Resp: 223082

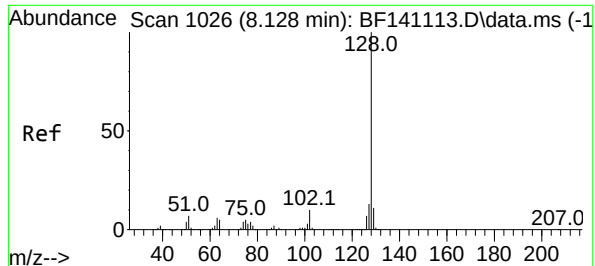
Ion Ratio Lower Upper

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

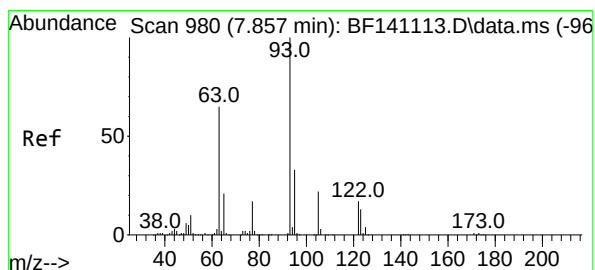
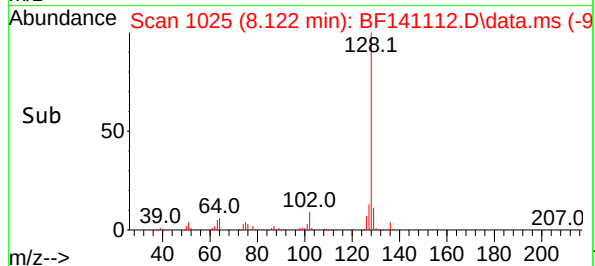
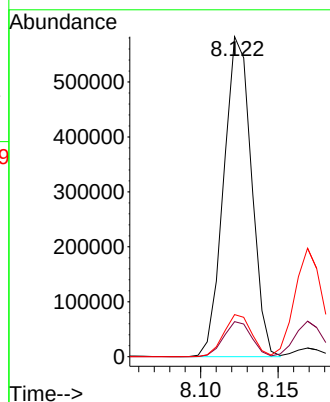
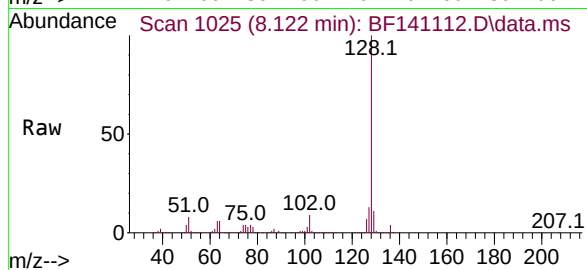
Tgt Ion:128 Resp: 725773

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

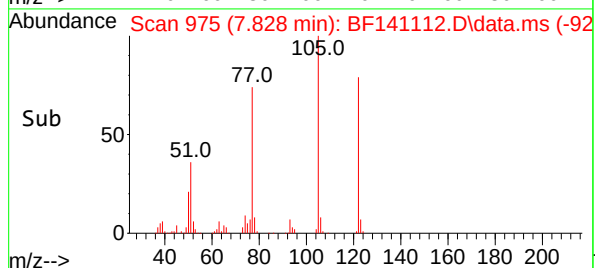
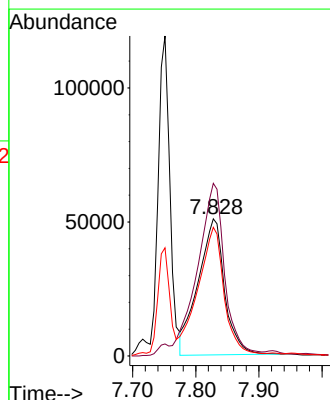
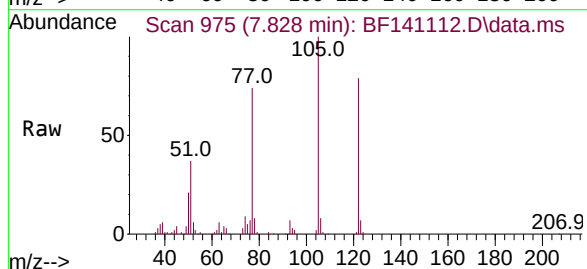
Tgt Ion:122 Resp: 147997

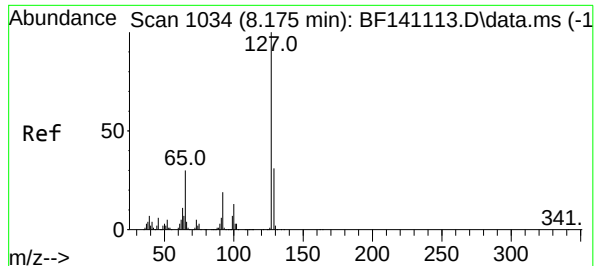
Ion Ratio Lower Upper

122 100

105 125.9 105.5 145.5

77 93.7 75.1 115.1



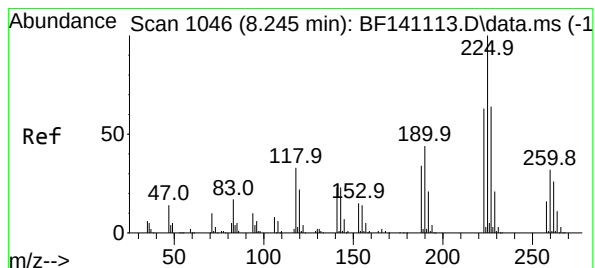
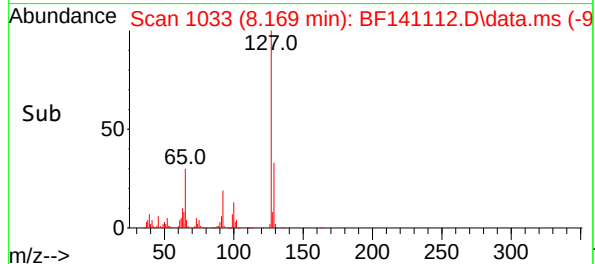
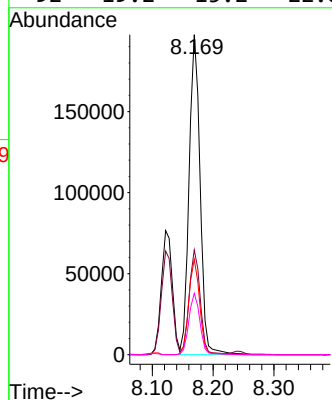
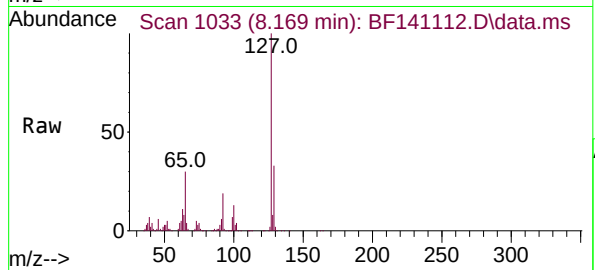


#33  
4-Chloroaniline  
Concen: 21.190 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

Tgt Ion:127 Resp: 247958

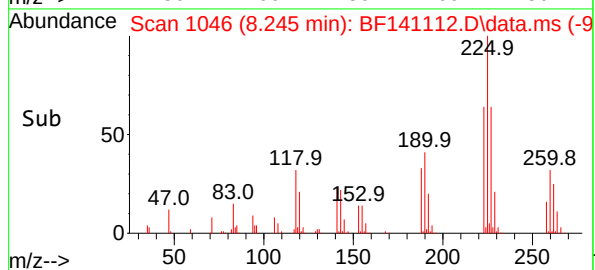
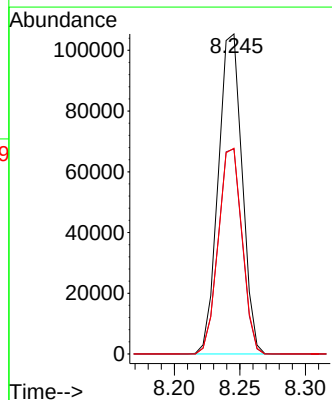
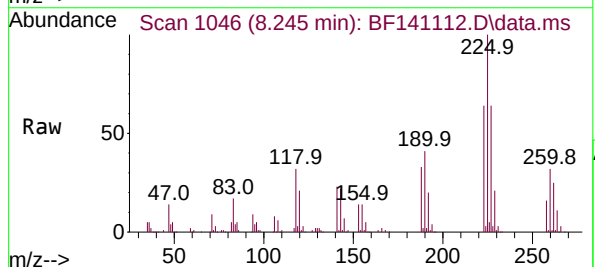
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 127 | 100   |       |       |
| 129 | 32.7  | 25.9  | 38.9  |
| 65  | 29.7  | 23.8  | 35.8  |
| 92  | 19.2  | 15.2  | 22.8  |

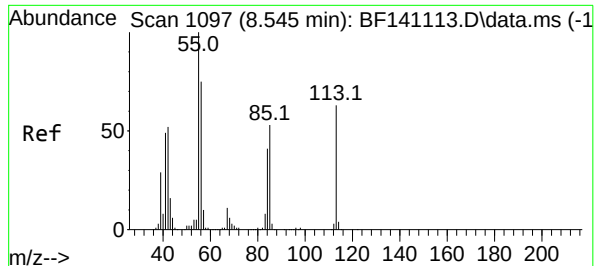


#34  
Hexachlorobutadiene  
Concen: 21.028 ng  
RT: 8.245 min Scan# 1046  
Delta R.T. 0.000 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

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# 1109

Delta R.T. -0.029 min

Lab File: BF141112.D

Acq: 10 Jan 2025 14:10

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

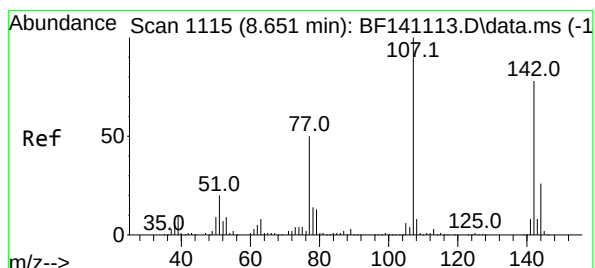
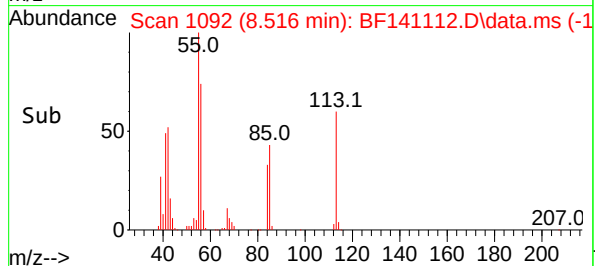
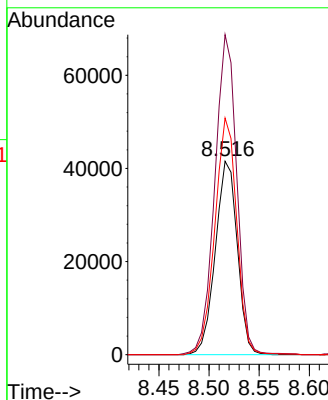
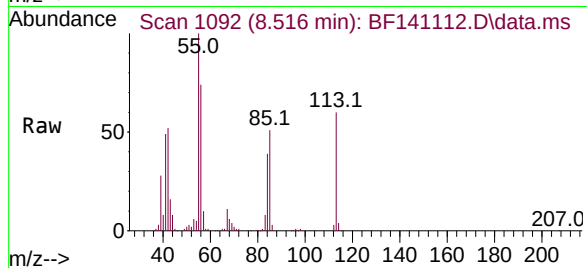
Tgt Ion:113 Resp: 63223

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

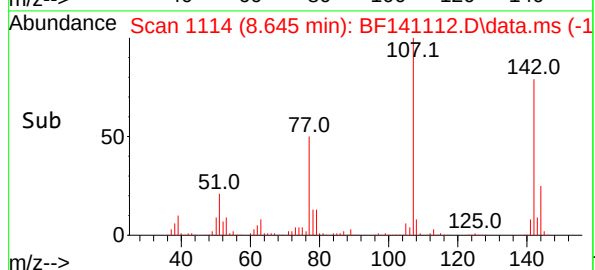
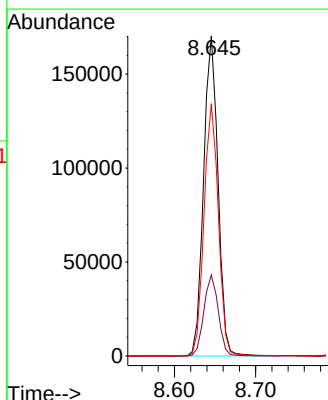
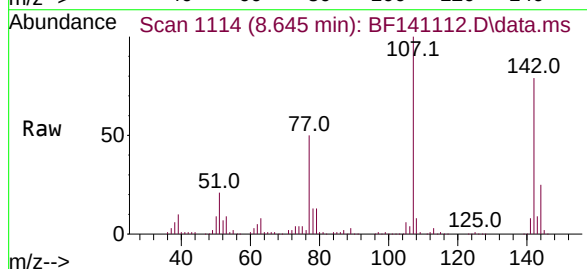
Tgt Ion:107 Resp: 209656

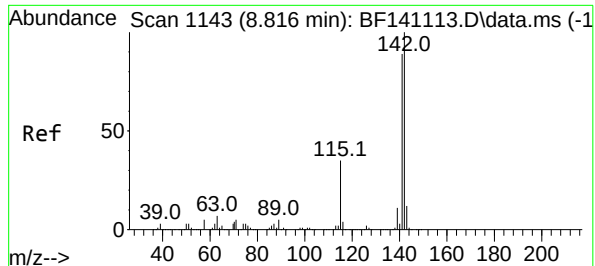
Ion Ratio Lower Upper

107 100

144 25.3 20.4 30.6

142 78.8 62.2 93.2

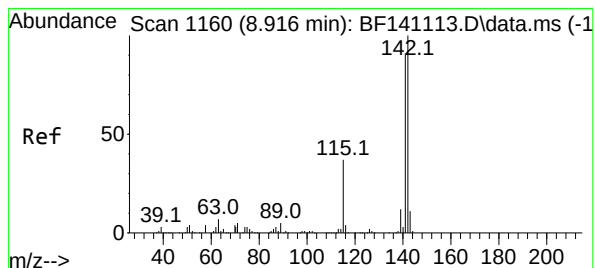
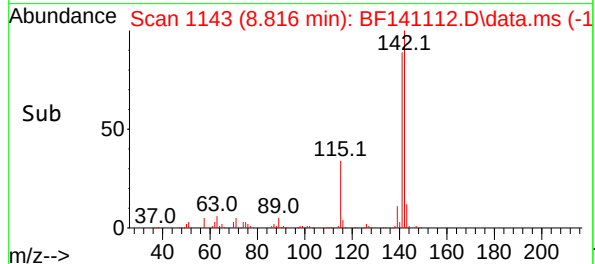
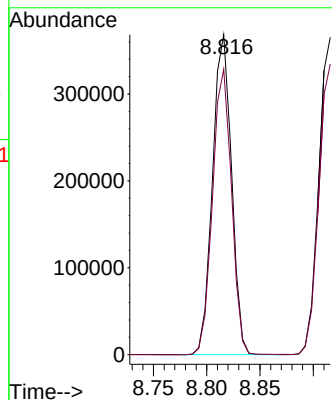
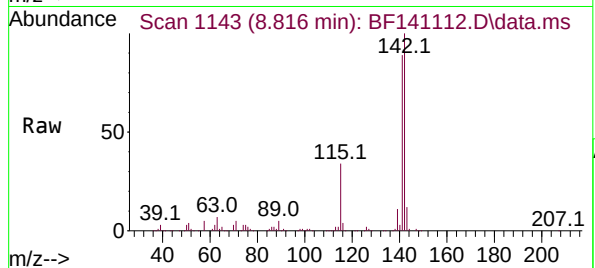




#37  
2-Methylnaphthalene  
Concen: 21.136 ng  
RT: 8.816 min Scan# 1143  
Delta R.T. 0.000 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

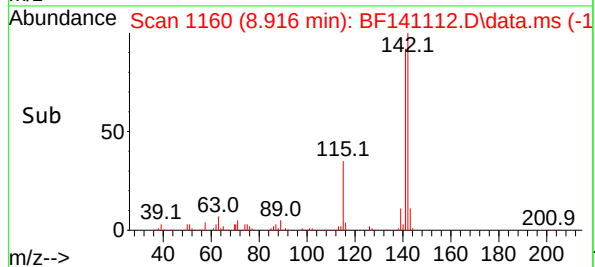
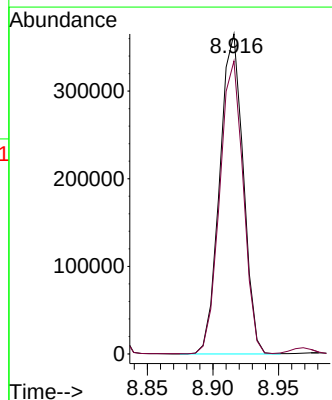
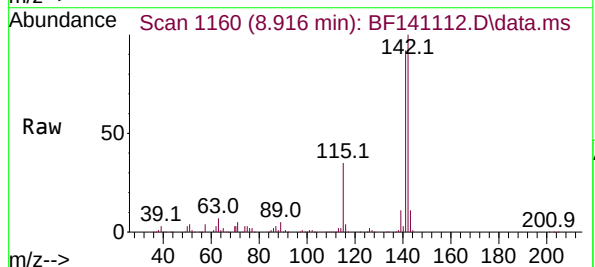
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

Tgt Ion:142 Resp: 455728  
Ion Ratio Lower Upper  
142 100  
141 89.2 71.3 106.9

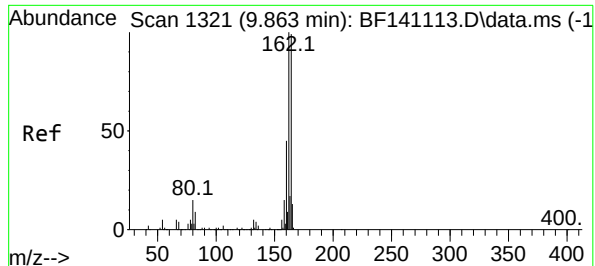


#38  
1-Methylnaphthalene  
Concen: 21.434 ng  
RT: 8.916 min Scan# 1160  
Delta R.T. 0.000 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

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# 11

Delta R.T. -0.006 min

Lab File: BF141112.D

Acq: 10 Jan 2025 14:10

Instrument :

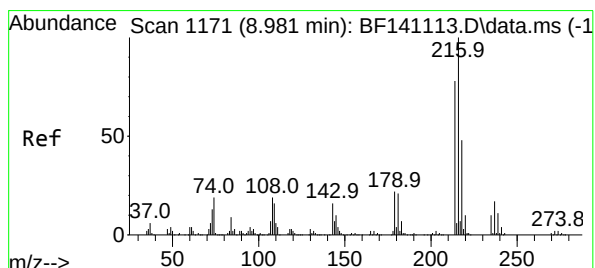
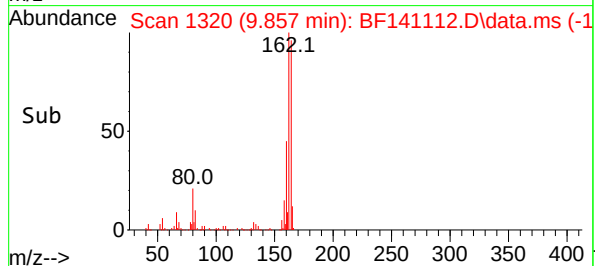
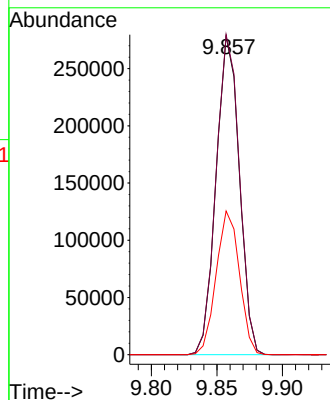
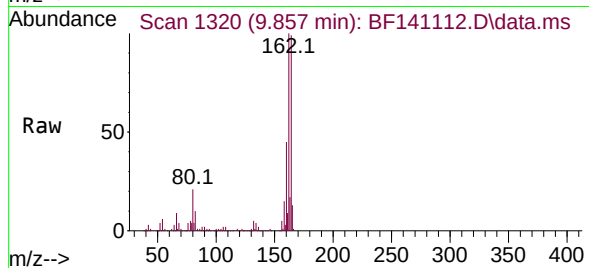
BNA\_F

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

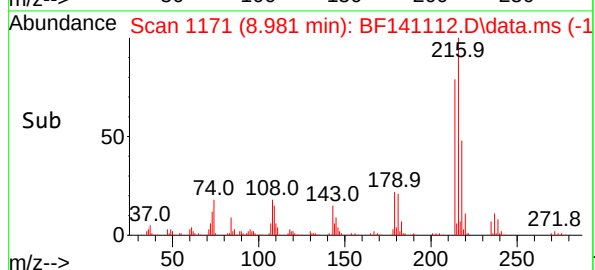
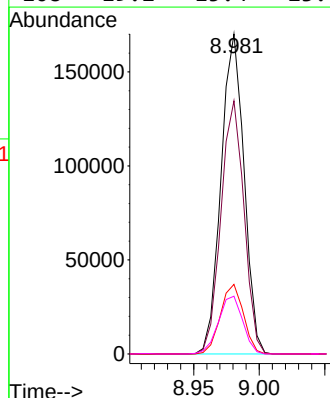
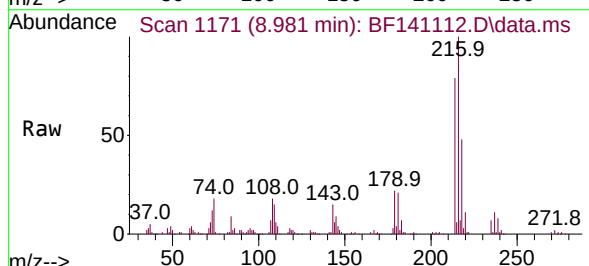
Delta R.T. 0.000 min

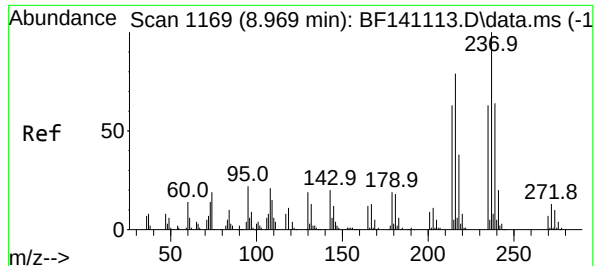
Lab File: BF141112.D

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  |

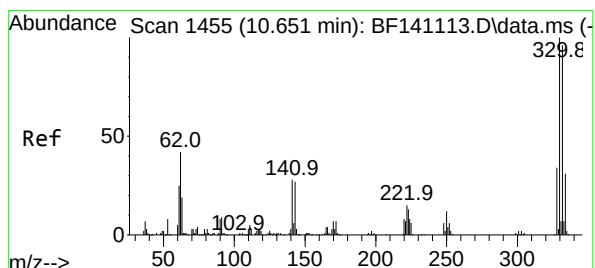
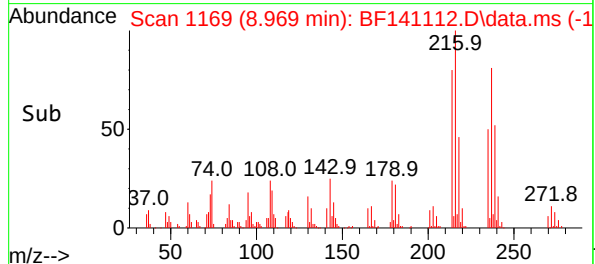
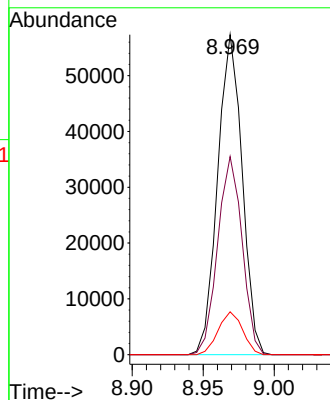
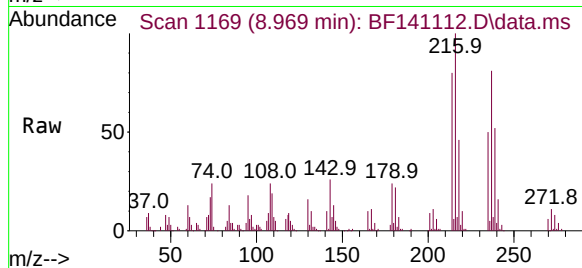




#41  
Hexachlorocyclopentadiene  
Concen: 21.381 ng  
RT: 8.969 min Scan# 1169  
Delta R.T. 0.000 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

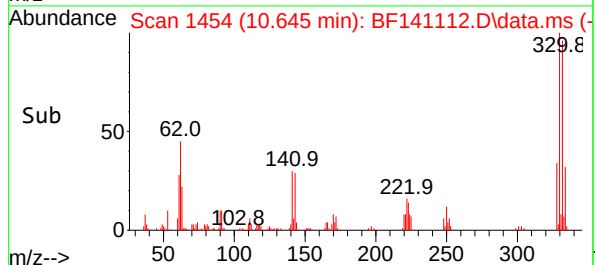
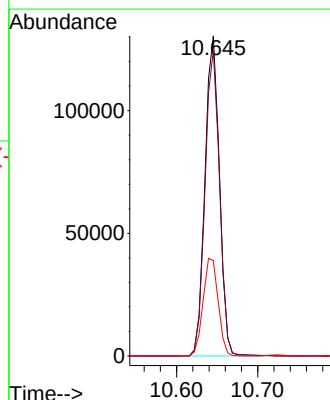
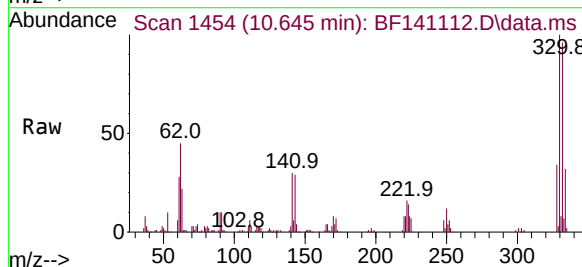
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

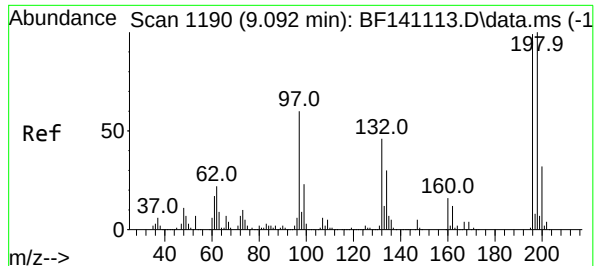
Tgt Ion:237 Resp: 68830  
Ion Ratio Lower Upper  
237 100  
235 61.9 43.0 83.0  
272 13.4 0.0 33.0



#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# 1190

Delta R.T. 0.000 min

Lab File: BF141112.D

Acq: 10 Jan 2025 14:10

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

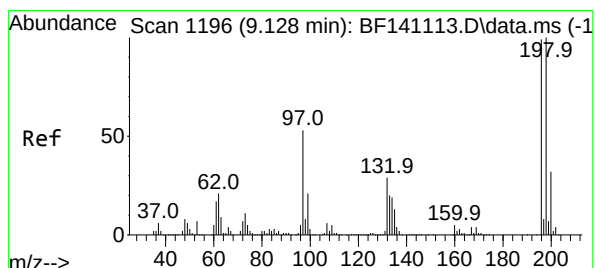
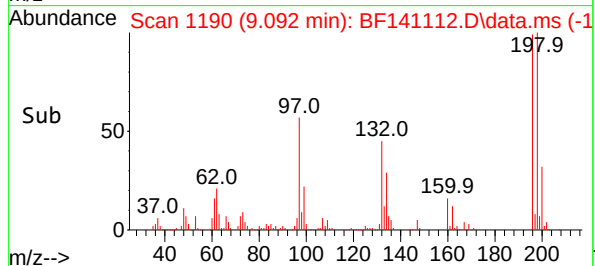
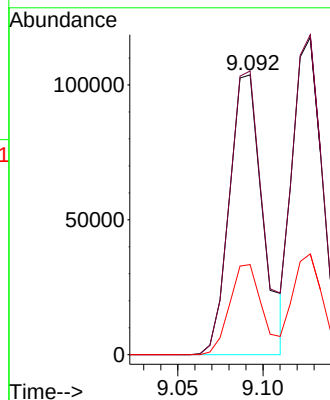
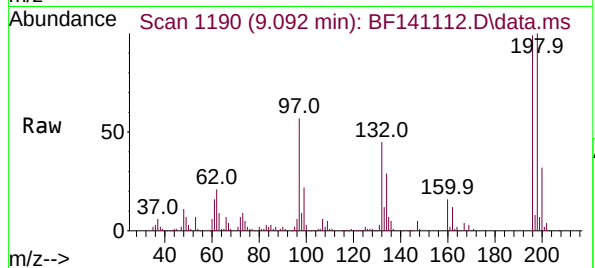
Tgt Ion:196 Resp: 141110

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

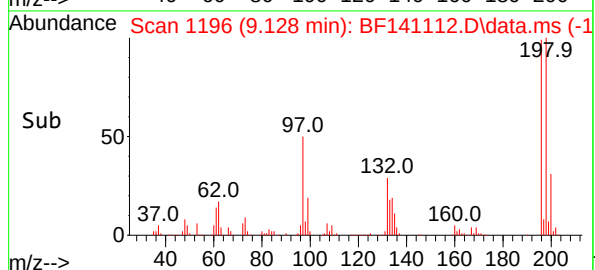
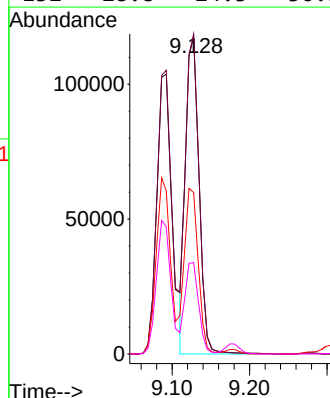
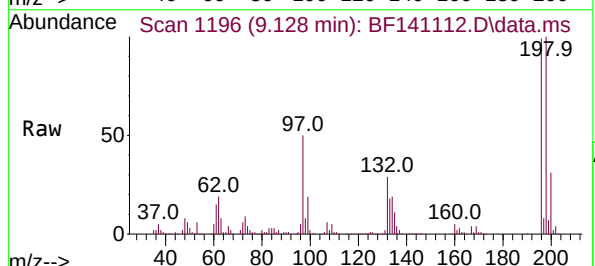
Ion Ratio Lower Upper

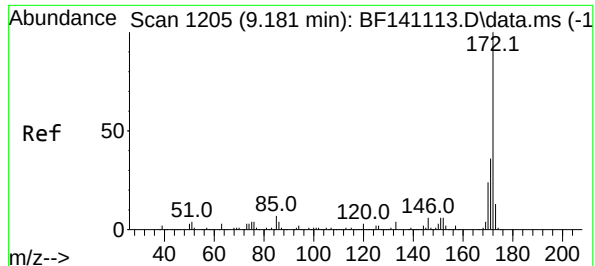
196 100

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# 1205

Delta R.T. 0.000 min

Lab File: BF141112.D

Acq: 10 Jan 2025 14:10

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

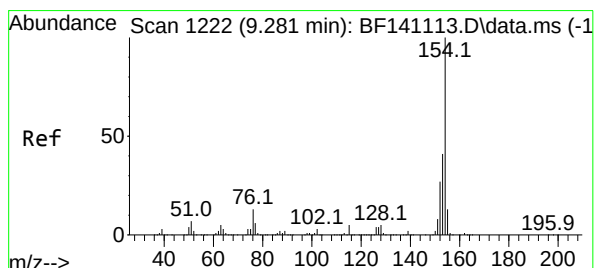
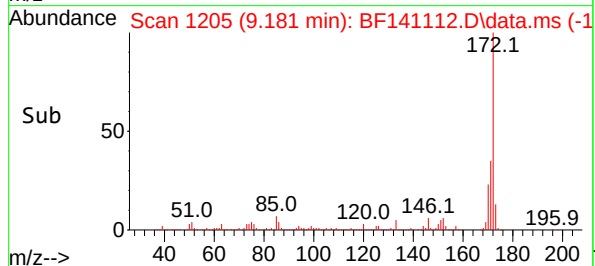
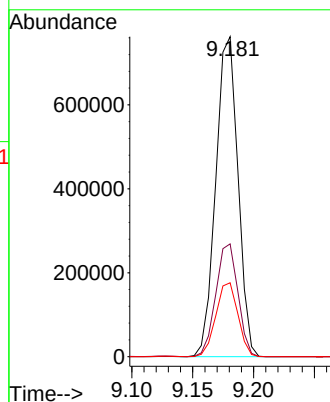
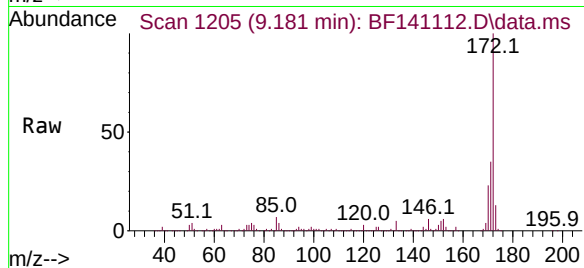
Tgt Ion:172 Resp: 965569

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

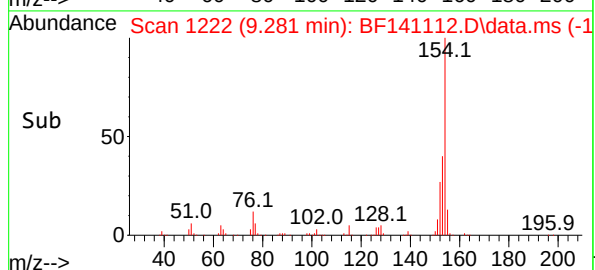
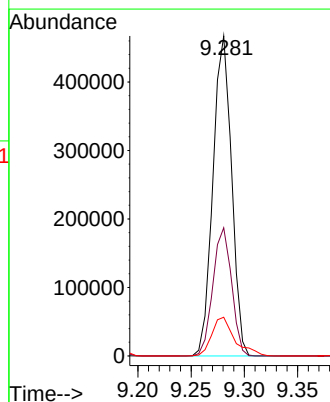
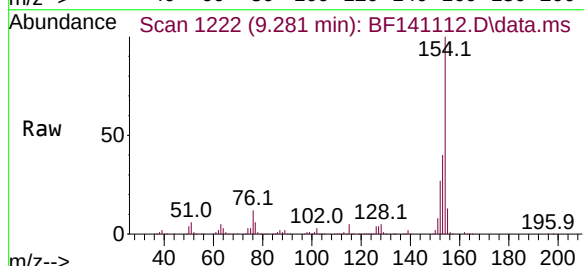
Tgt Ion:154 Resp: 566930

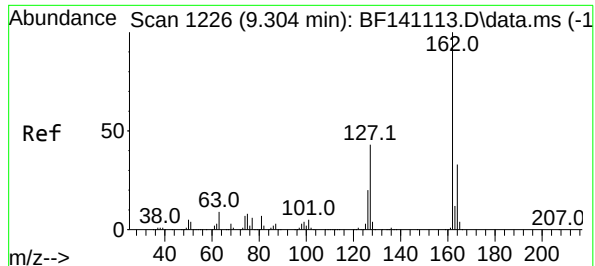
Ion Ratio Lower Upper

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# 11

Delta R.T. 0.000 min

Lab File: BF141112.D

Acq: 10 Jan 2025 14:10

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

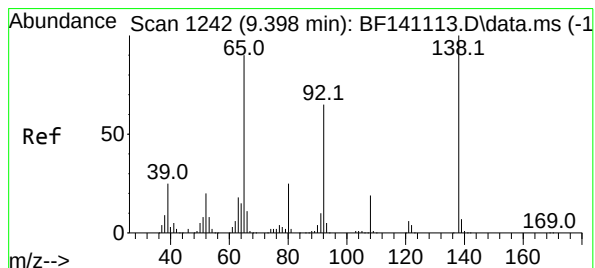
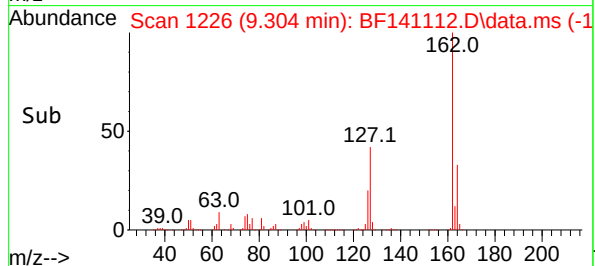
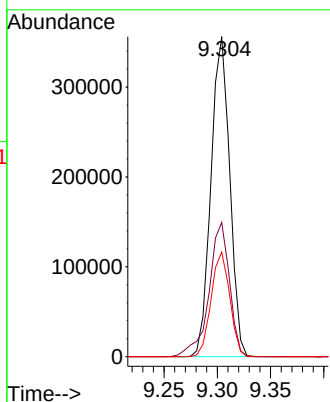
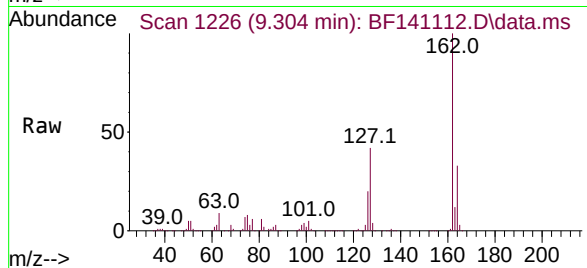
Tgt Ion:162 Resp: 436413

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

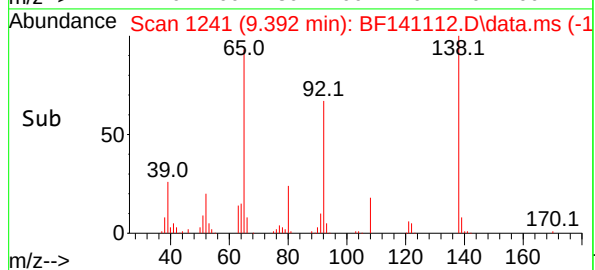
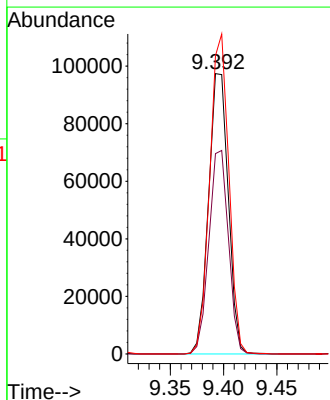
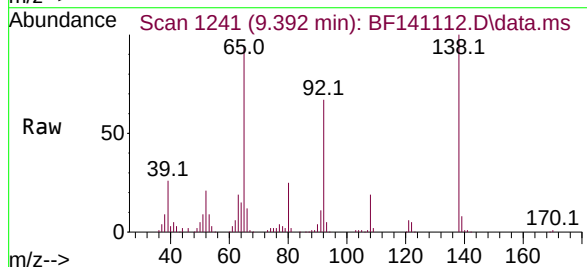
Tgt Ion: 65 Resp: 125270

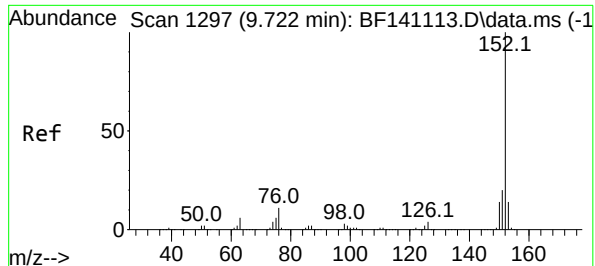
Ion Ratio Lower Upper

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# 1296

Delta R.T. -0.006 min

Lab File: BF141112.D

Acq: 10 Jan 2025 14:10

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

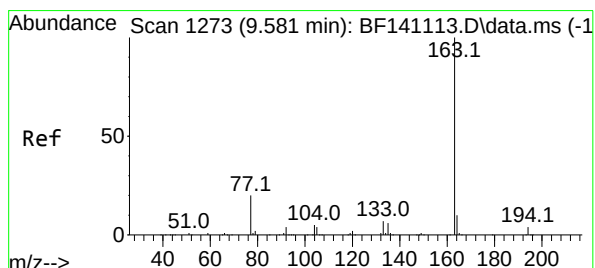
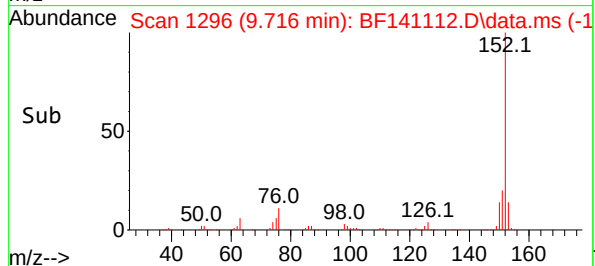
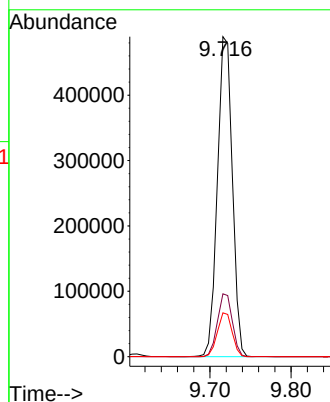
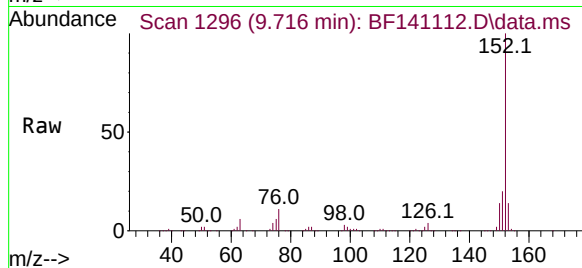
Tgt Ion:152 Resp: 627543

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

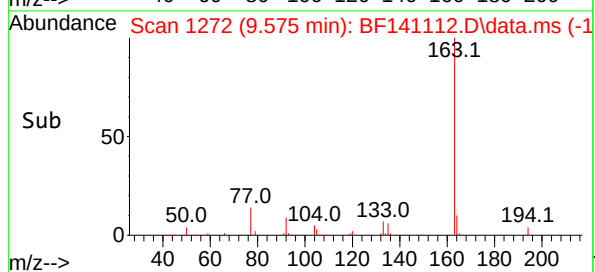
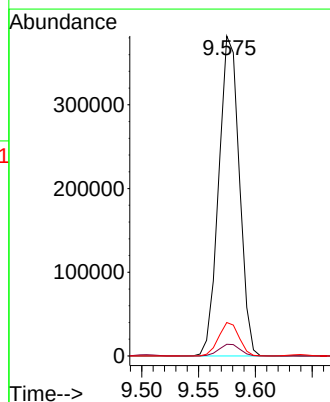
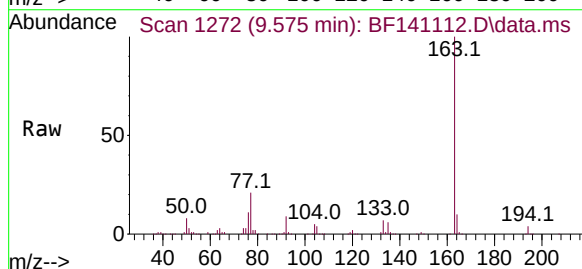
Tgt Ion:163 Resp: 481191

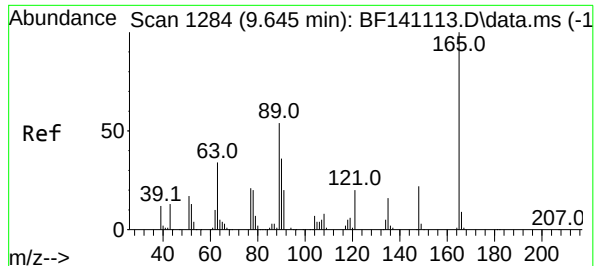
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF141112.D

Acq: 10 Jan 2025 14:10

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

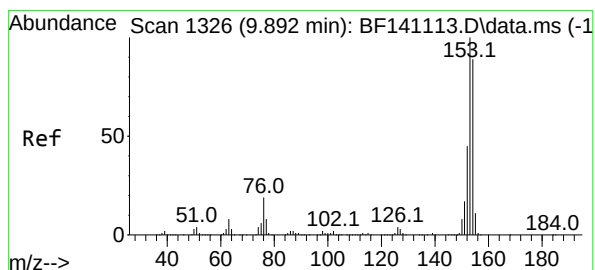
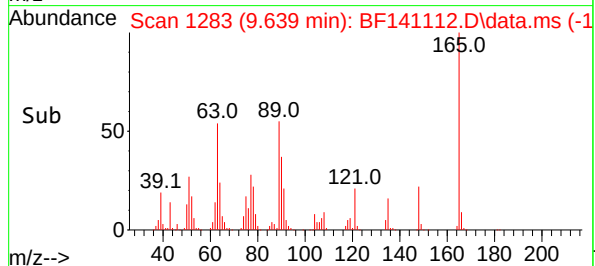
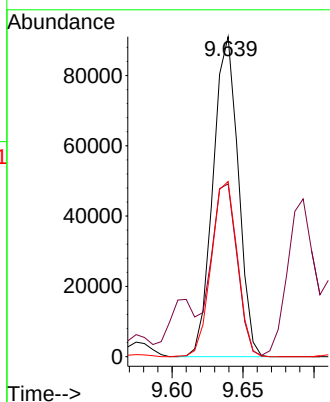
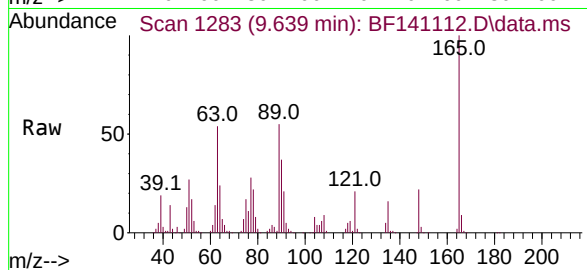
Tgt Ion:165 Resp: 112600

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

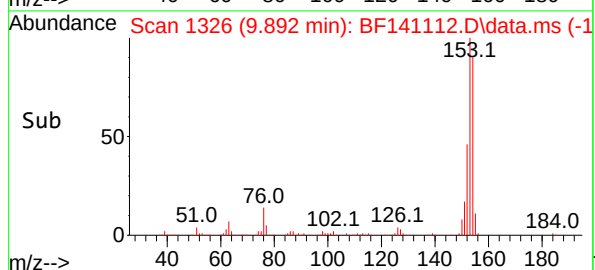
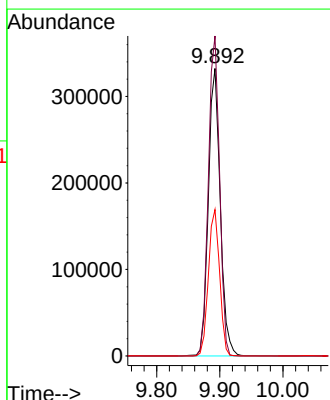
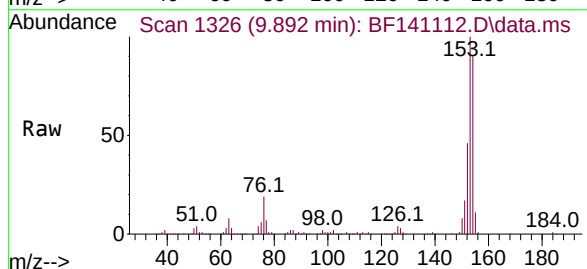
Tgt Ion:154 Resp: 436615

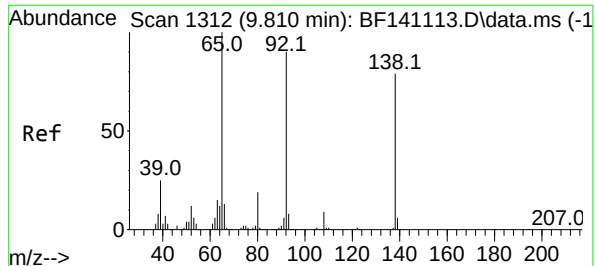
Ion Ratio Lower Upper

154 100

153 111.3 89.8 134.6

152 50.9 40.8 61.2

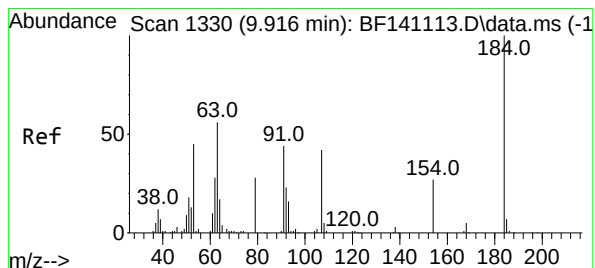
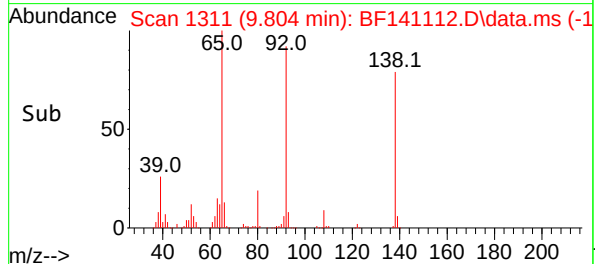
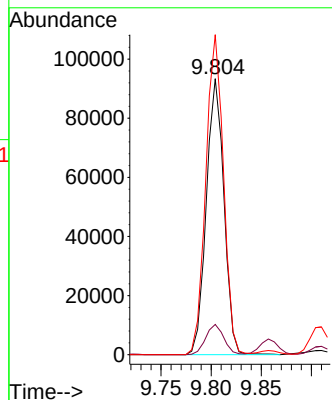
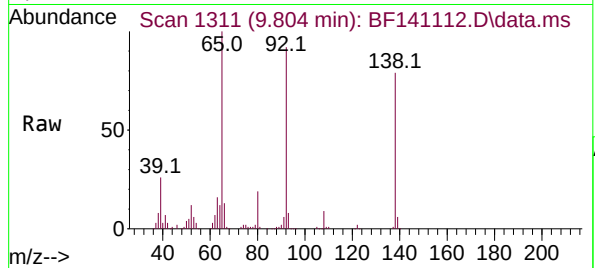




#53  
3-Nitroaniline  
Concen: 20.994 ng  
RT: 9.804 min Scan# 111  
Delta R.T. -0.006 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

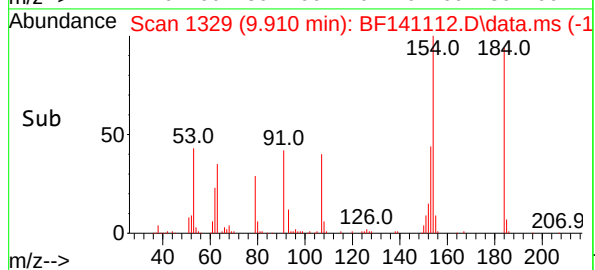
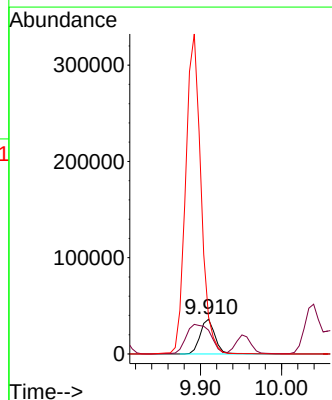
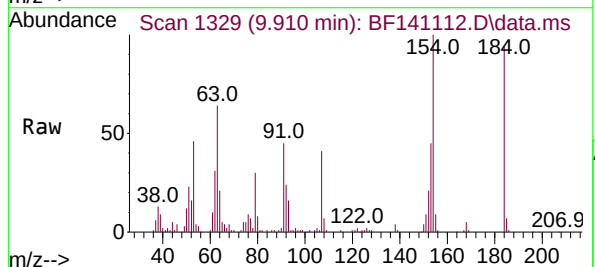
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

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

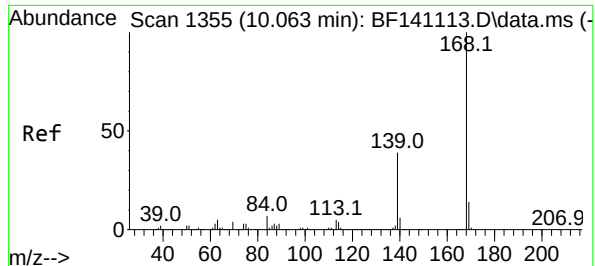


#54  
2,4-Dinitrophenol  
Concen: 17.982 ng  
RT: 9.910 min Scan# 1329  
Delta R.T. -0.006 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

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#



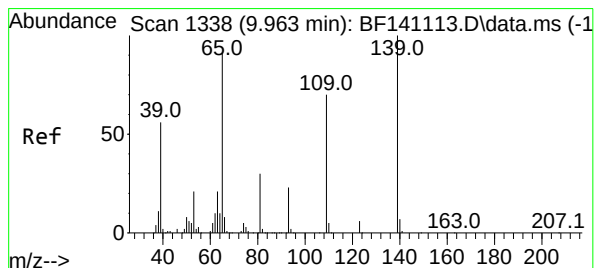
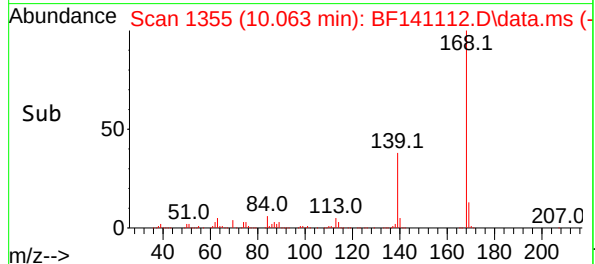
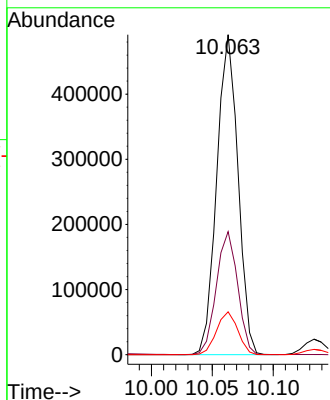
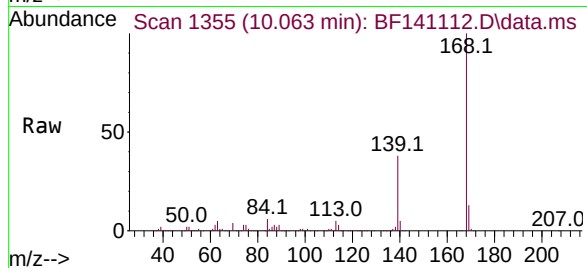




#55  
Dibenzenofuran  
Concen: 21.167 ng  
RT: 10.063 min Scan# 1355  
Delta R.T. 0.000 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

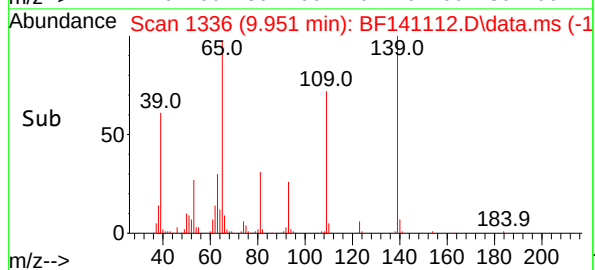
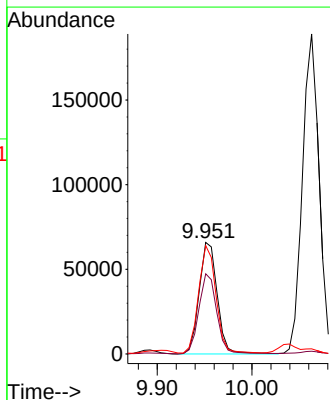
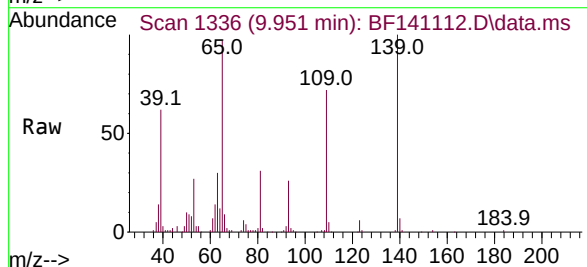
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

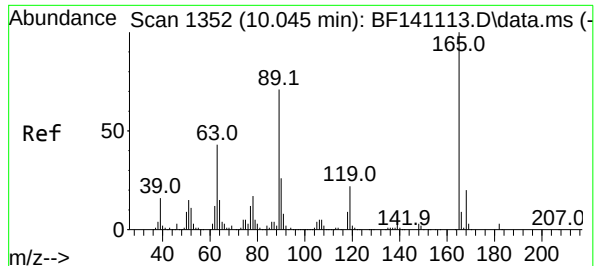
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 38.5  | 31.4  | 47.0  |
| 169     | 13.4  | 10.9  | 16.3  |



#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 | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 71.9  | 50.2  | 90.2  |
| 65      | 97.2  | 72.1  | 112.1 |

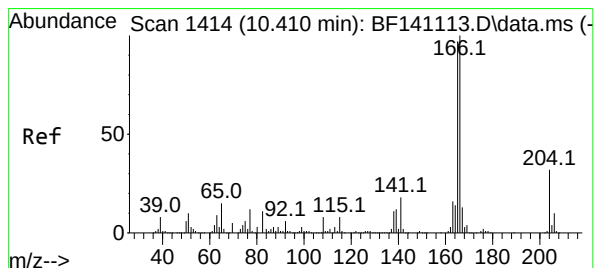
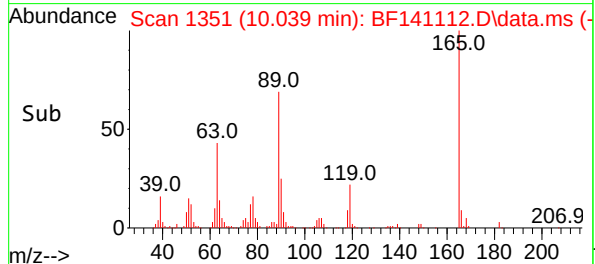
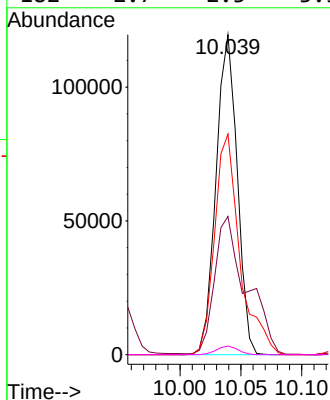
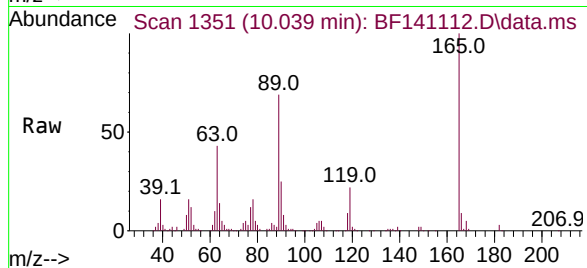




#57  
2,4-Dinitrotoluene  
Concen: 21.023 ng  
RT: 10.039 min Scan# 1412  
Delta R.T. -0.006 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

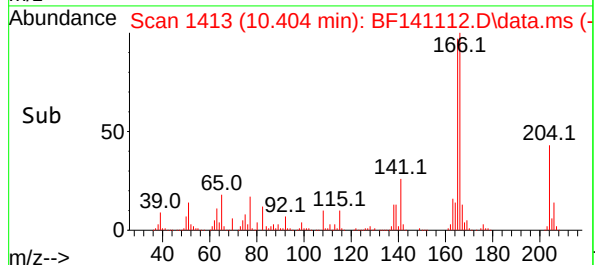
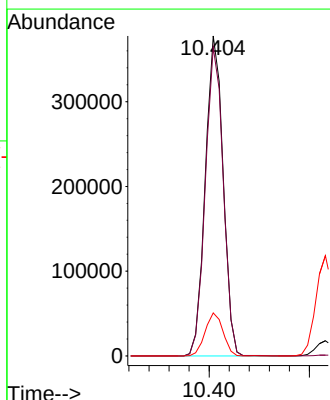
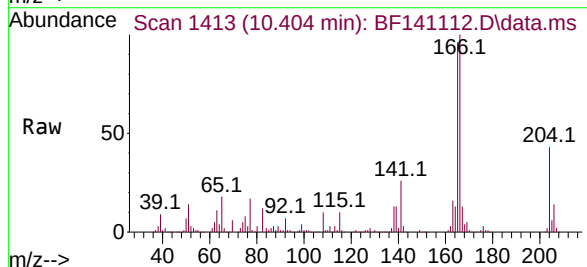
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

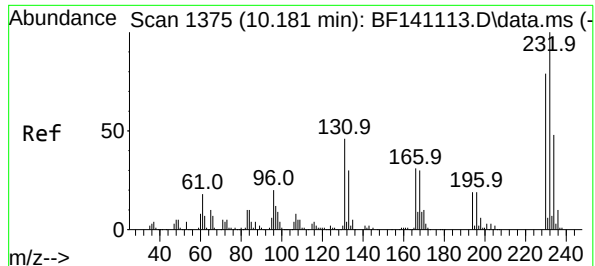
Tgt Ion:165 Resp: 145002  
Ion Ratio Lower Upper  
165 100  
63 43.2 35.0 52.4  
89 68.9 56.7 85.1  
182 2.7 2.3 3.5



#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

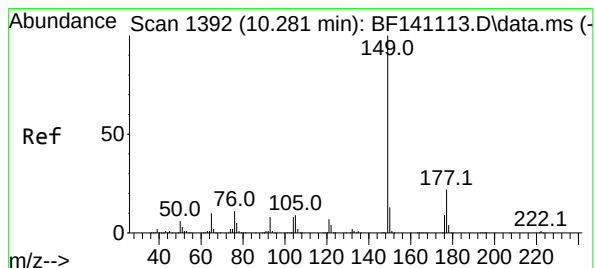
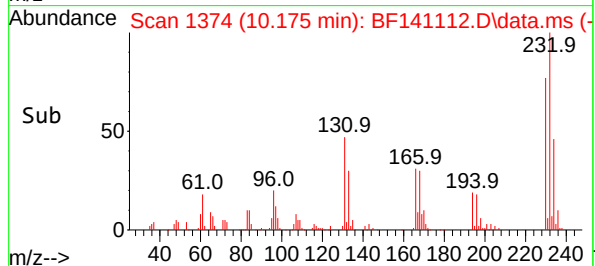
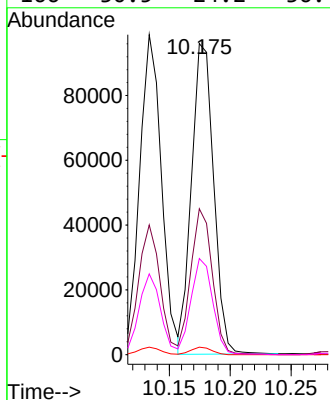
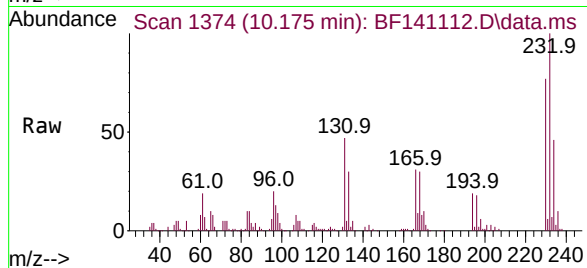




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 20.823 ng  
RT: 10.175 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

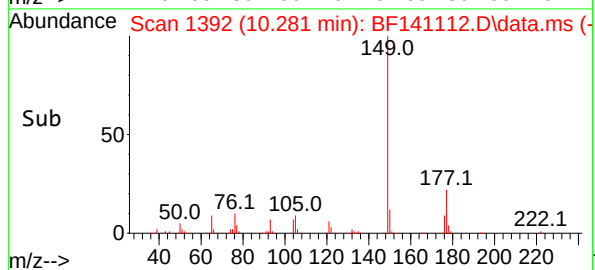
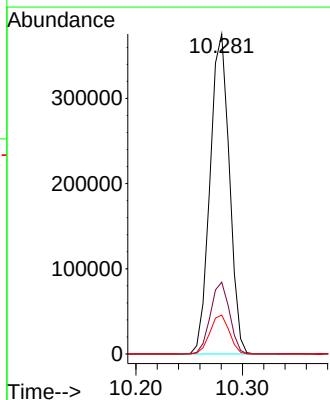
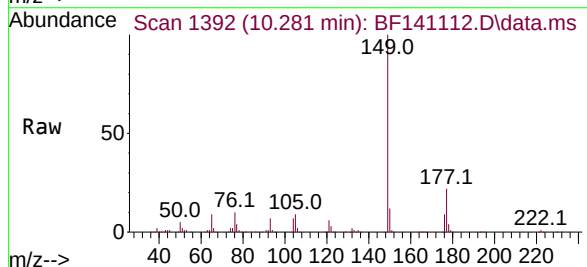
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

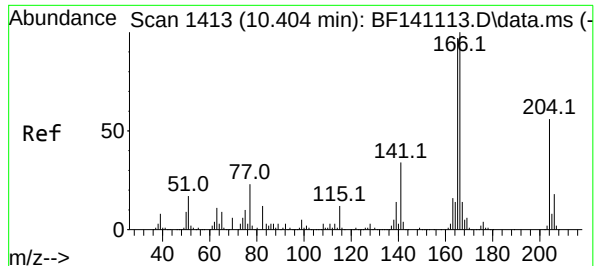
Tgt Ion:232 Resp: 121311  
Ion Ratio Lower Upper  
232 100  
131 45.8 36.2 54.4  
130 2.3 2.0 3.0  
166 30.5 24.2 36.4



#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

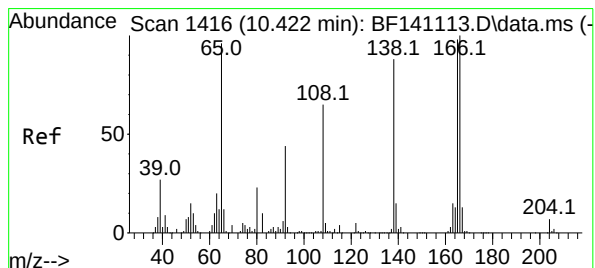
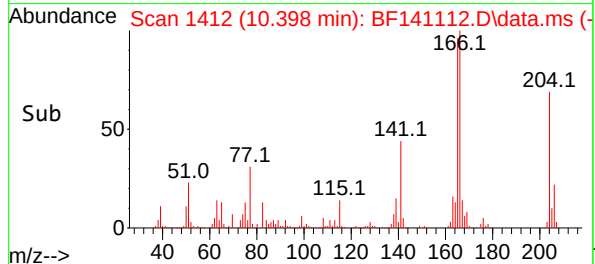
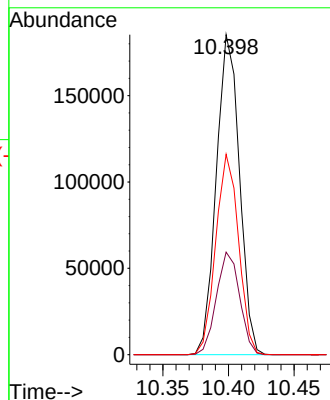
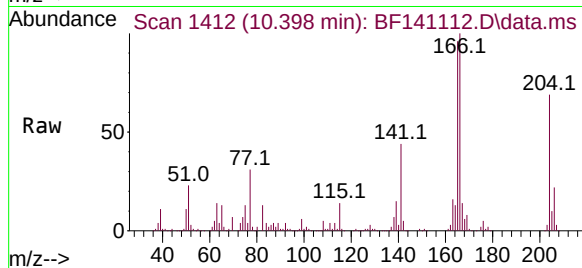




#61  
4-Chlorophenyl-phenylether  
Concen: 21.317 ng  
RT: 10.398 min Scan# 1412  
Delta R.T. -0.006 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

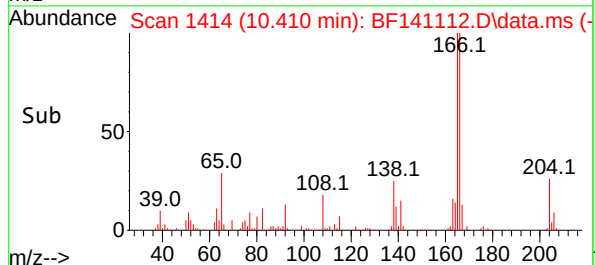
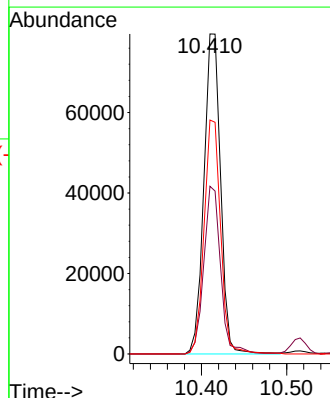
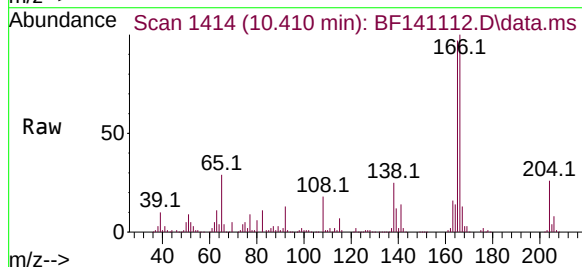
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

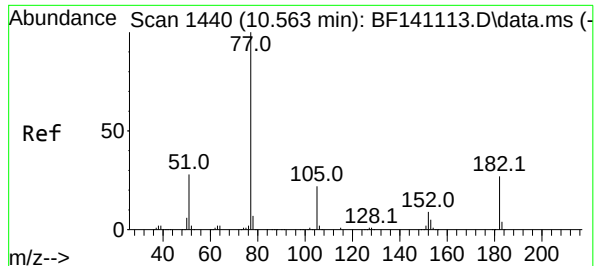
Tgt Ion:204 Resp: 227252  
Ion Ratio Lower Upper  
204 100  
206 32.1 25.9 38.9  
141 62.6 49.1 73.7



#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

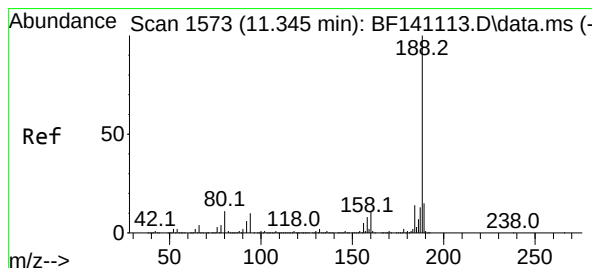
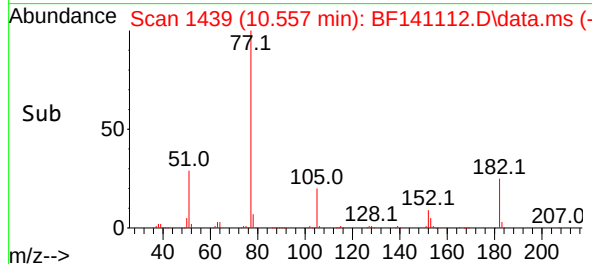
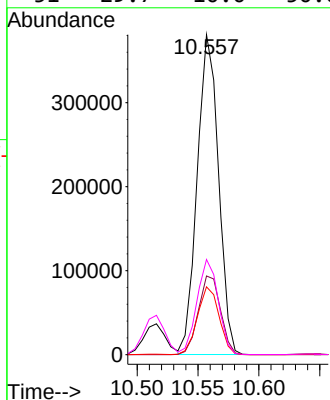
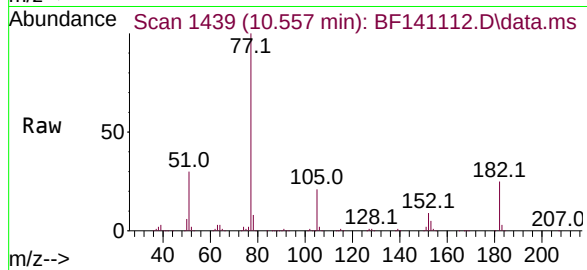




#63  
Azobenzene  
Concen: 20.915 ng  
RT: 10.557 min Scan# 1440  
Delta R.T. -0.006 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

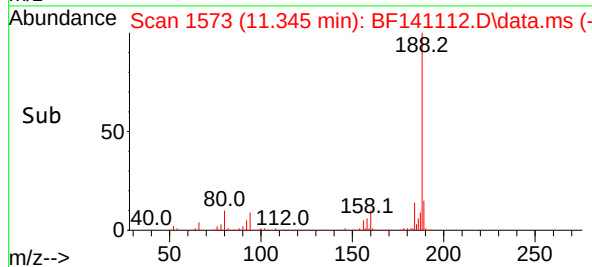
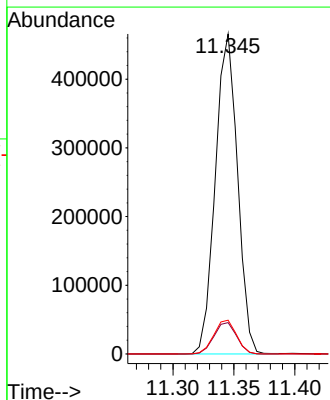
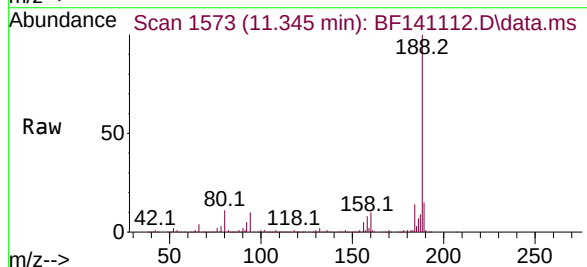
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

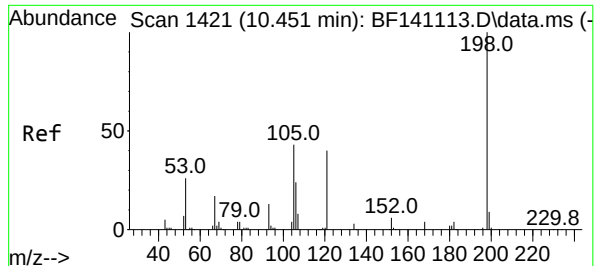
Tgt Ion: 77 Resp: 463688  
Ion Ratio Lower Upper  
77 100  
182 24.6 6.1 46.1  
105 21.2 2.1 42.1  
51 29.7 10.0 50.0



#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

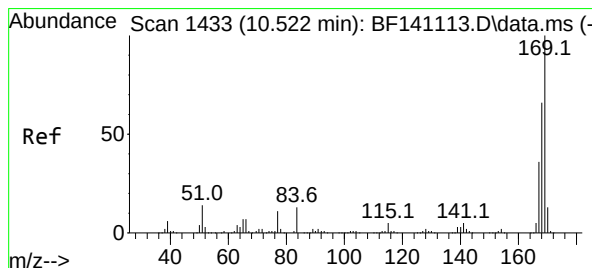
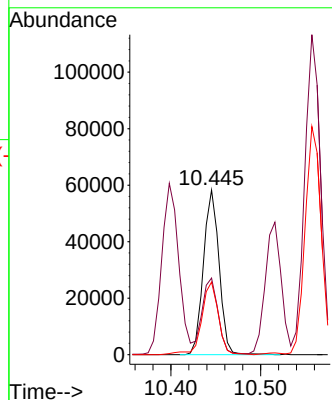
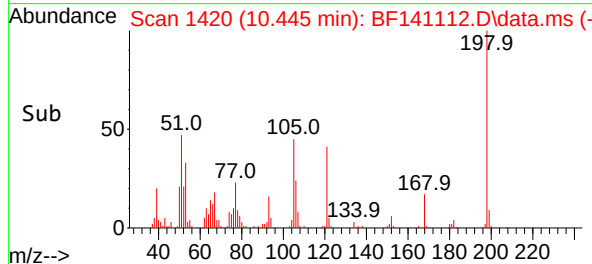
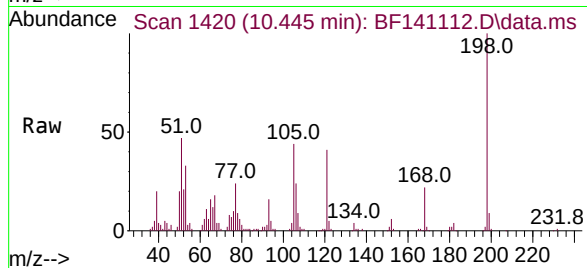




#65  
4,6-Dinitro-2-methylphenol  
Concen: 20.638 ng  
RT: 10.445 min Scan# 1420  
Delta R.T. -0.006 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

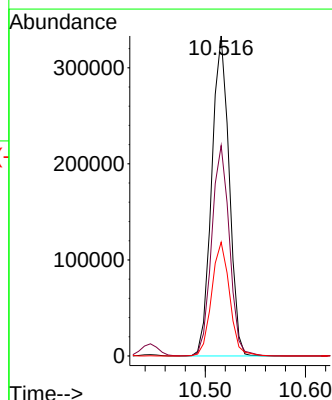
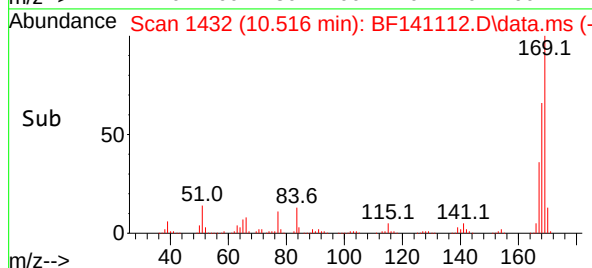
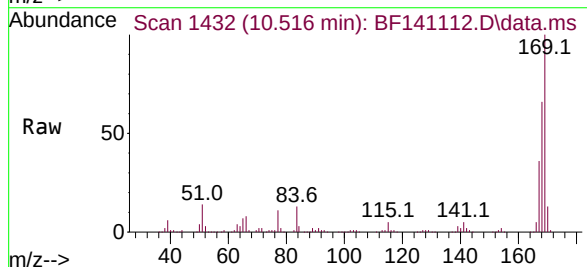
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

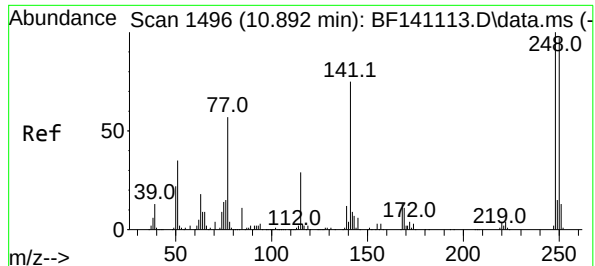
Tgt Ion:198 Resp: 70598  
Ion Ratio Lower Upper  
198 100  
51 46.6 27.1 67.1  
105 44.1 24.2 64.2



#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

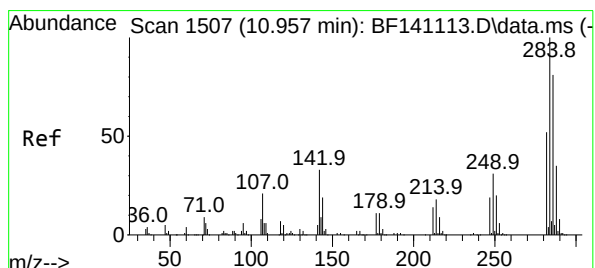
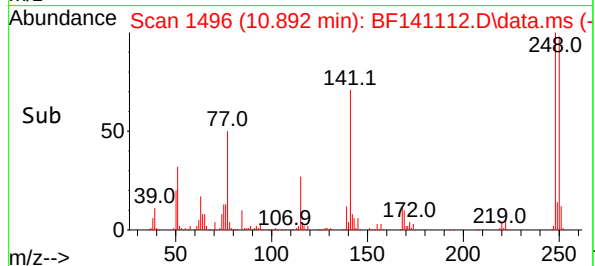
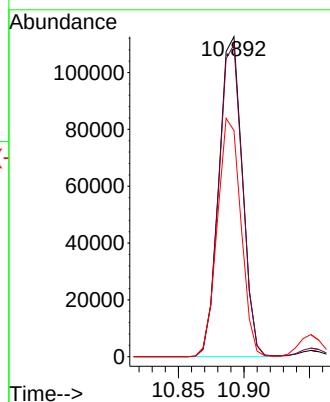
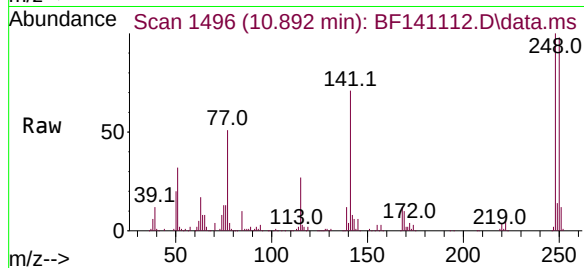




#67  
4-Bromophenyl-phenylether  
Concen: 20.698 ng  
RT: 10.892 min Scan# 1496  
Delta R.T. 0.000 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

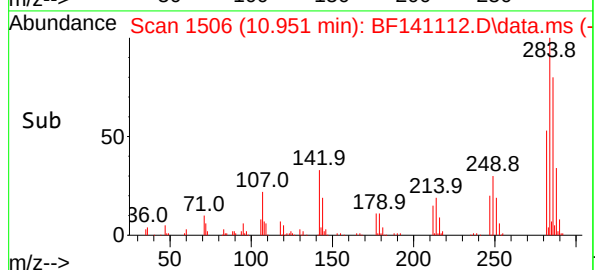
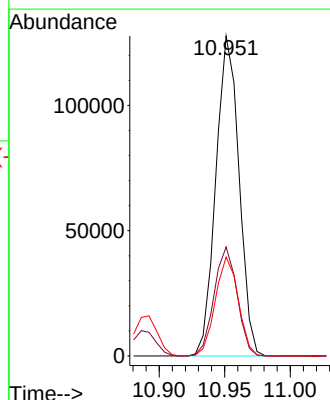
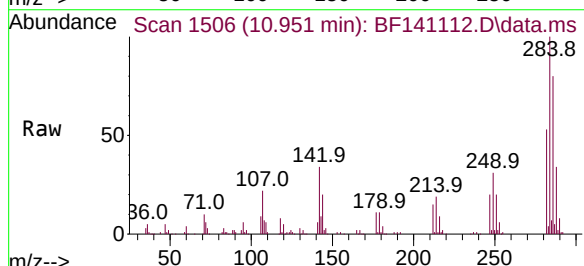
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

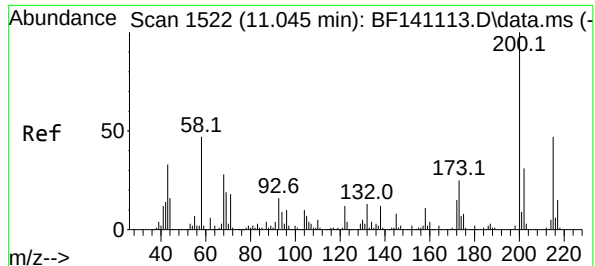
Tgt Ion:248 Resp: 140672  
Ion Ratio Lower Upper  
248 100  
250 97.5 77.9 116.9  
141 70.7 59.9 89.9



#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

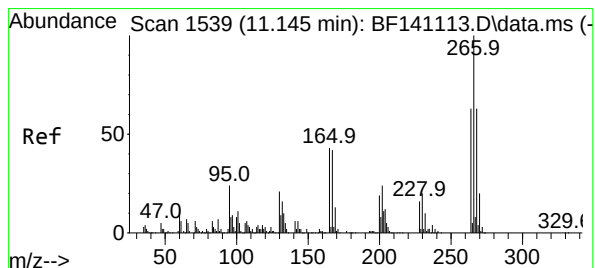
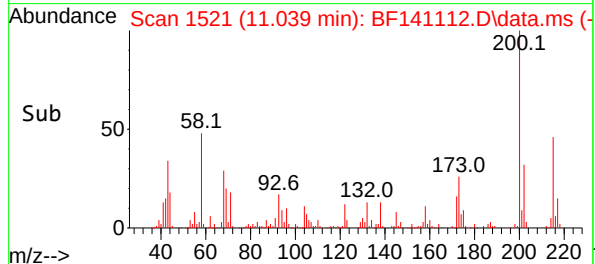
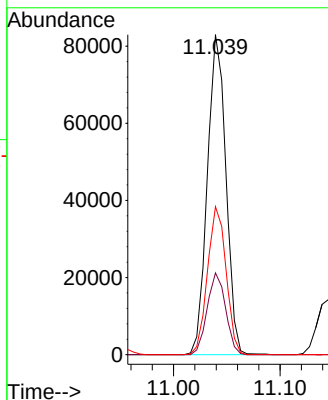
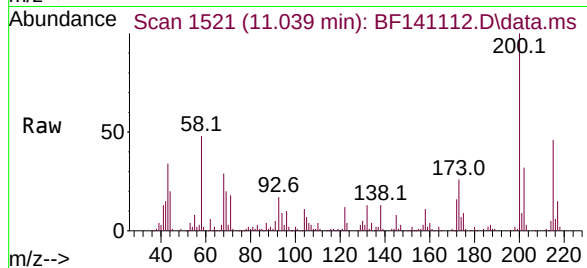




#69  
Atrazine  
Concen: 19.607 ng  
RT: 11.039 min Scan# 1522  
Delta R.T. -0.006 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

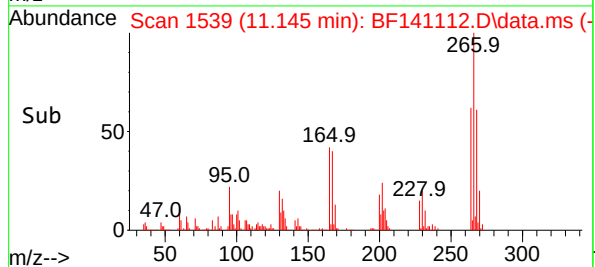
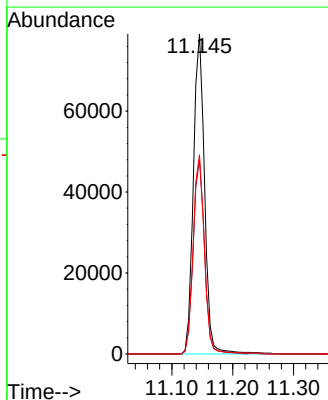
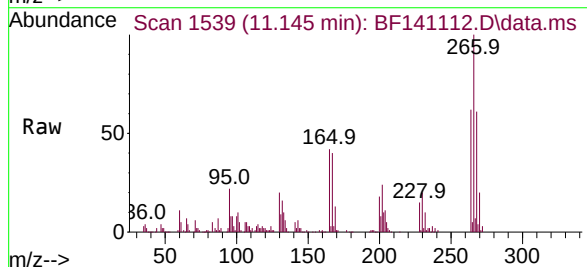
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

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

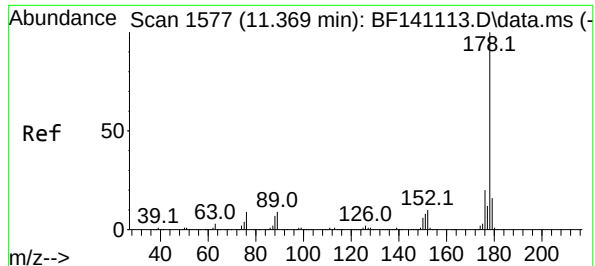


#70  
Pentachlorophenol  
Concen: 20.837 ng  
RT: 11.145 min Scan# 1539  
Delta R.T. 0.000 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

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



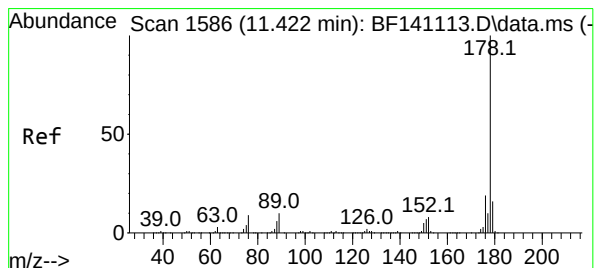
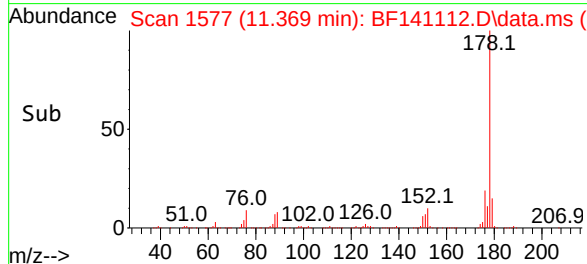
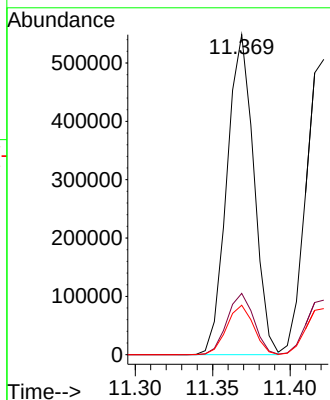
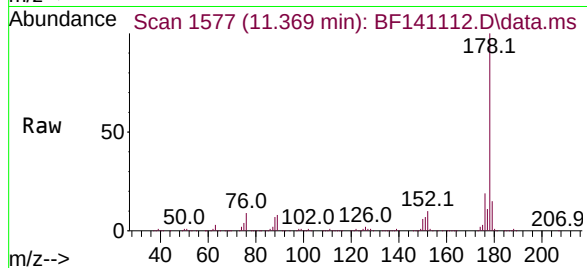




#71  
Phenanthrene  
Concen: 20.891 ng  
RT: 11.369 min Scan# 1577  
Delta R.T. 0.000 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

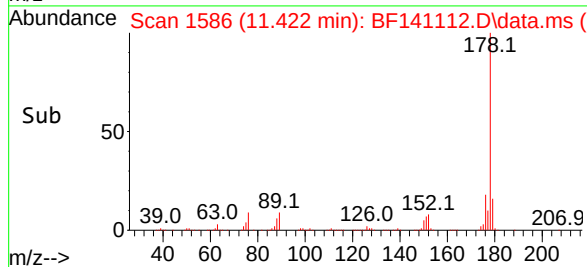
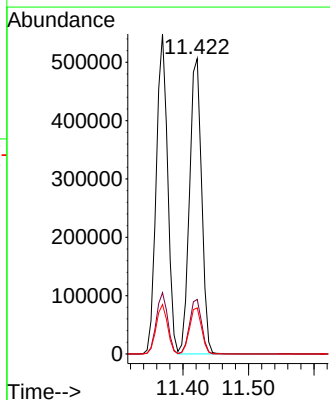
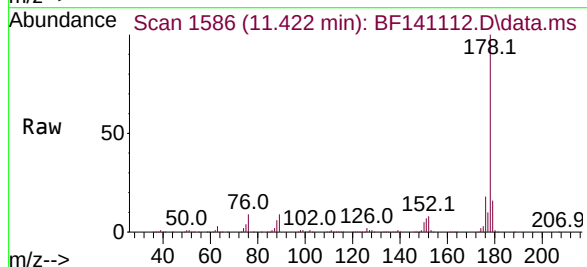
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

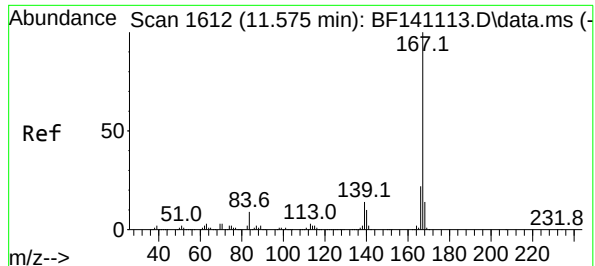
Tgt Ion:178 Resp: 662092  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.7 23.5  
179 15.4 12.6 19.0



#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

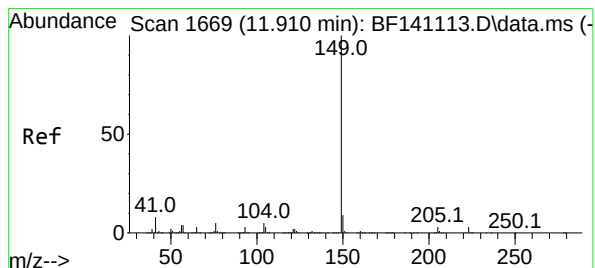
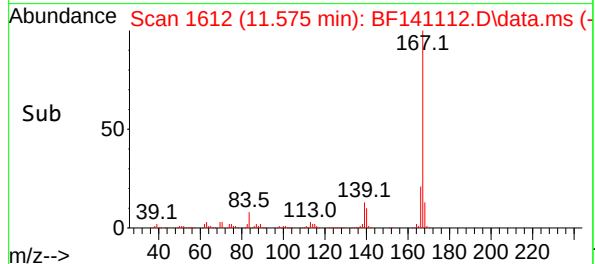
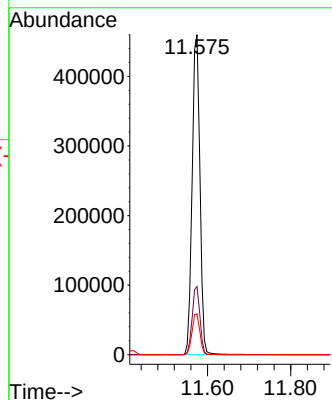
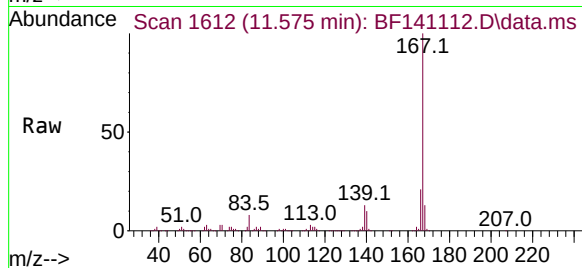




#73  
Carbazole  
Concen: 21.128 ng  
RT: 11.575 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

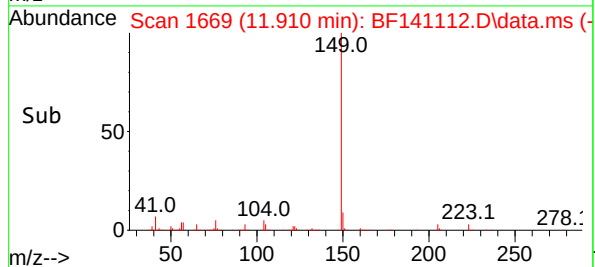
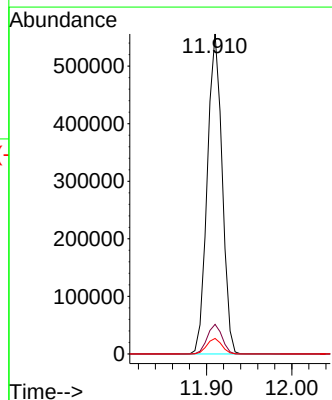
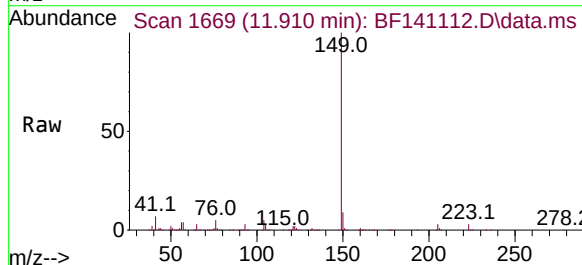
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

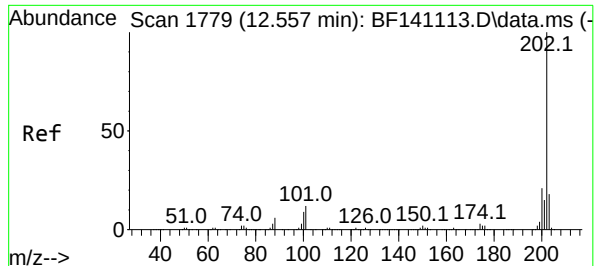
Tgt Ion:167 Resp: 597025  
Ion Ratio Lower Upper  
167 100  
166 21.3 17.4 26.2  
139 12.8 10.9 16.3



#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

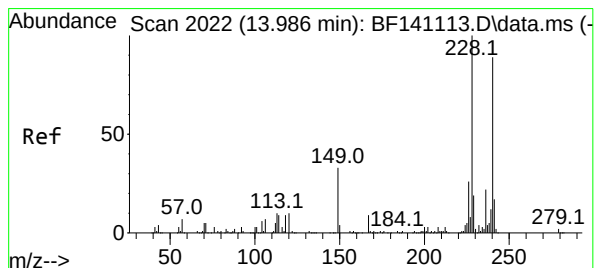
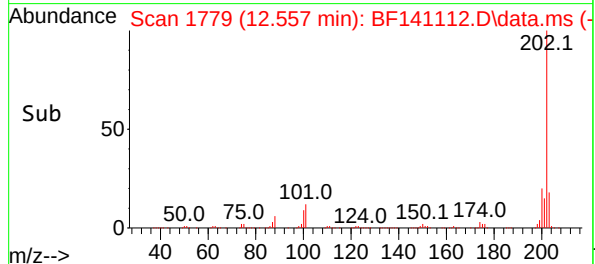
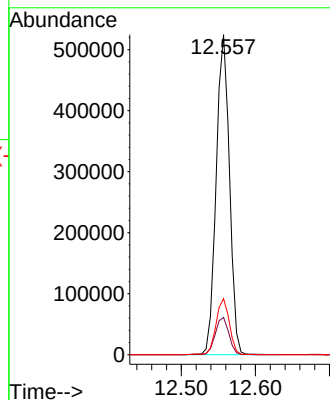
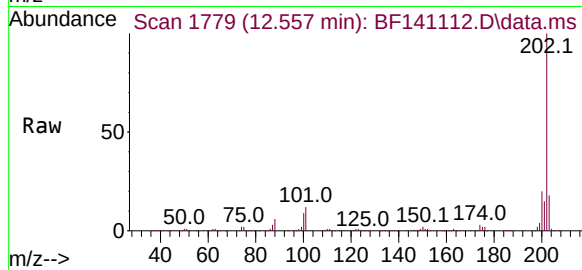




#75  
Fluoranthene  
Concen: 20.615 ng  
RT: 12.557 min Scan# 1779  
Delta R.T. 0.000 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

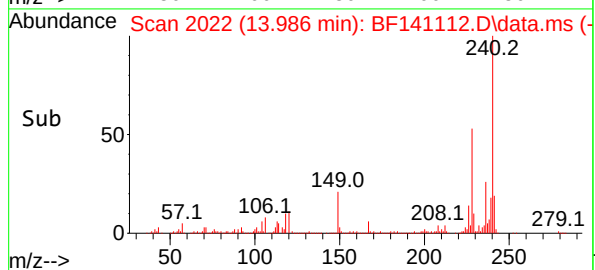
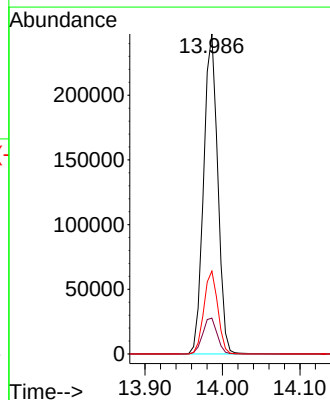
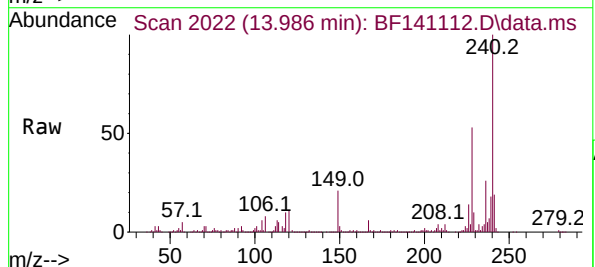
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

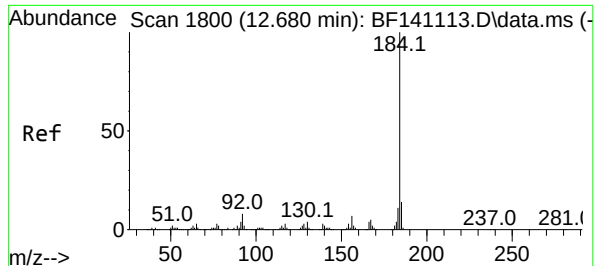
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.7  | 0.0   | 32.3  |
| 203     | 17.5  | 0.0   | 37.7  |



#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 | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.2  | 9.1   | 13.7  |
| 236     | 25.9  | 19.8  | 29.6  |

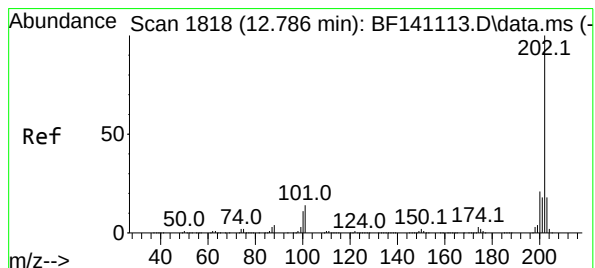
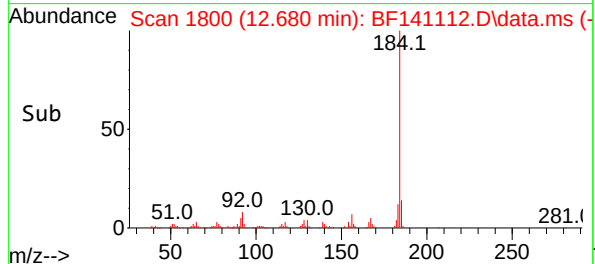
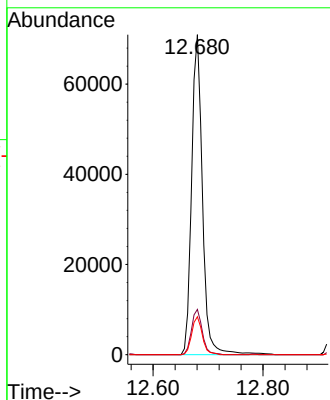
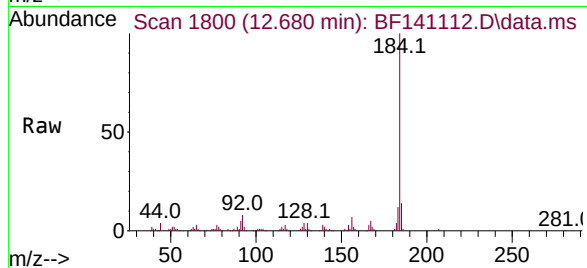




#77  
Benzidine  
Concen: 16.701 ng  
RT: 12.680 min Scan# 1800  
Delta R.T. 0.000 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

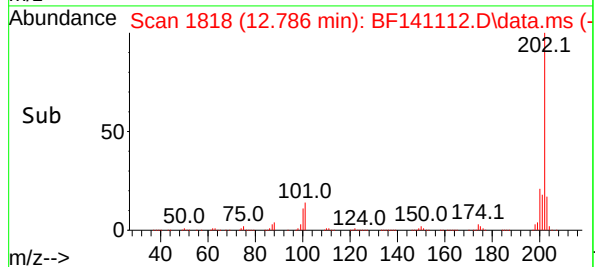
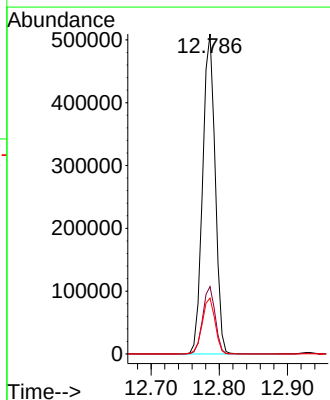
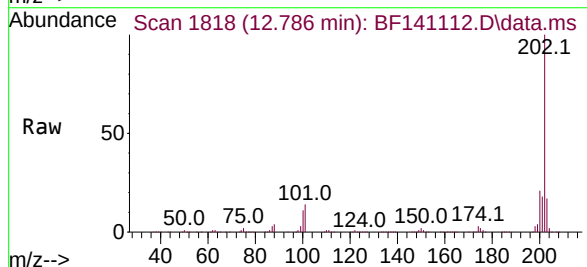
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

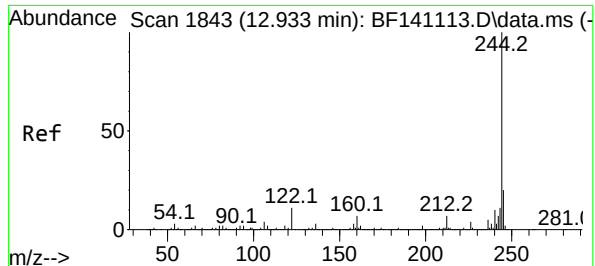
Tgt Ion:184 Resp: 96892  
Ion Ratio Lower Upper  
184 100  
185 14.2 11.4 17.0  
183 11.8 9.2 13.8



#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

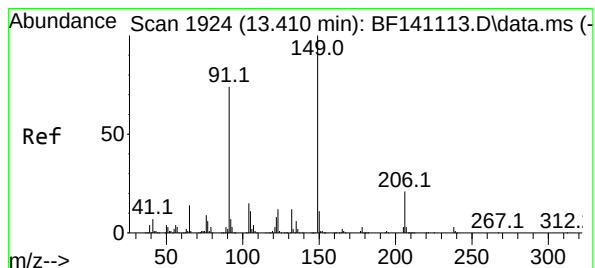
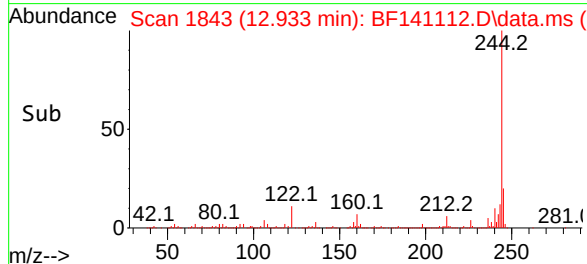
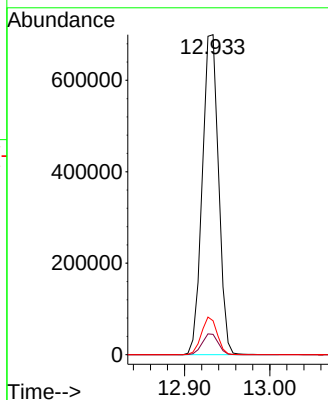
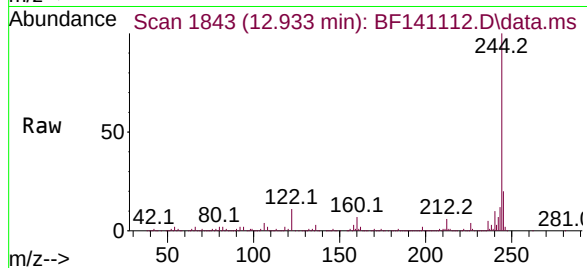




#79  
Terphenyl-d14  
Concen: 44.086 ng  
RT: 12.933 min Scan# 1843  
Delta R.T. 0.000 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

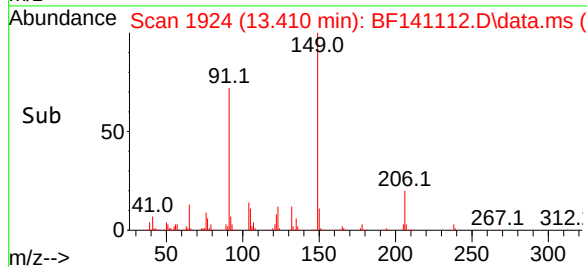
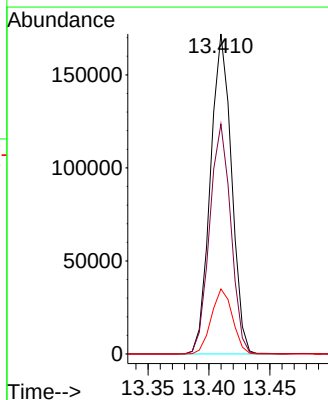
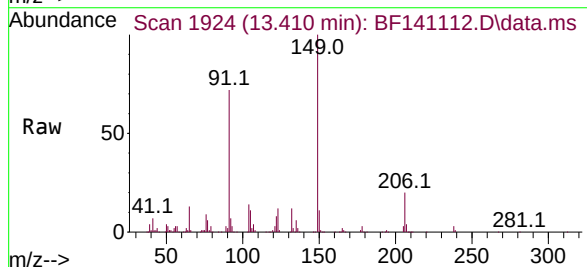
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

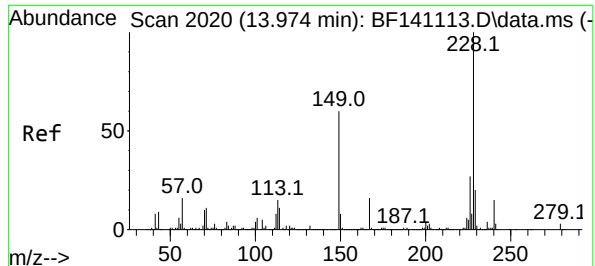
Tgt Ion:244 Resp: 927987  
Ion Ratio Lower Upper  
244 100  
212 6.4 5.4 8.2  
122 10.6 8.8 13.2



#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# 20

Delta R.T. 0.000 min

Lab File: BF141112.D

Acq: 10 Jan 2025 14:10

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

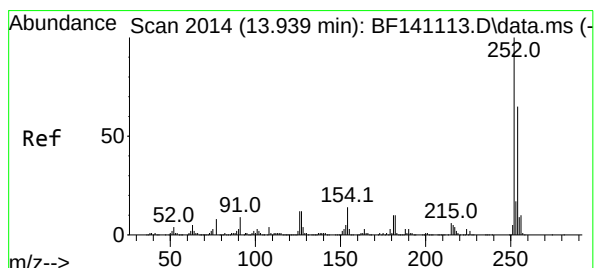
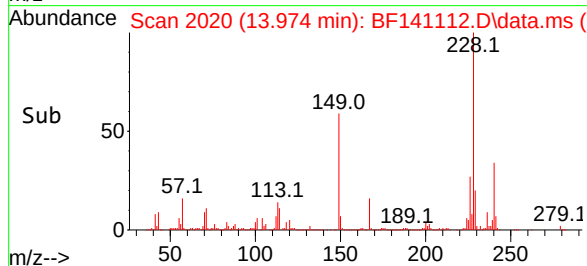
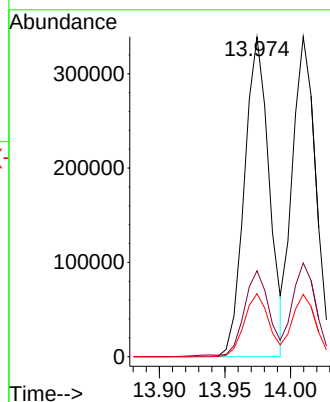
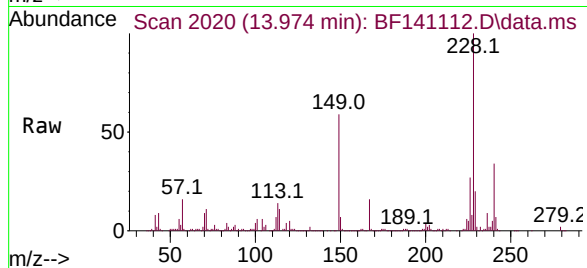
Tgt Ion:228 Resp: 446504

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

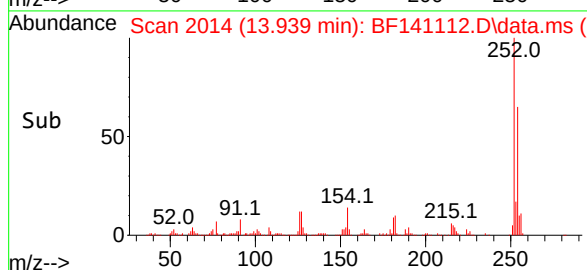
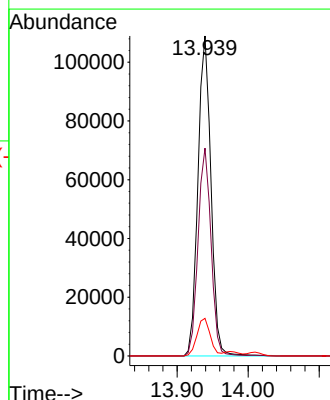
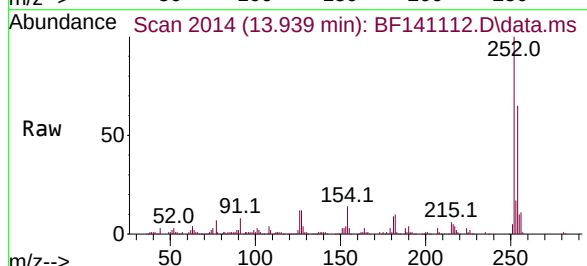
Tgt Ion:252 Resp: 139050

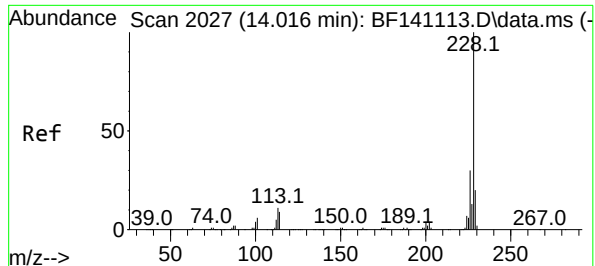
Ion Ratio Lower Upper

252 100

254 65.0 52.0 78.0

126 11.7 9.4 14.0

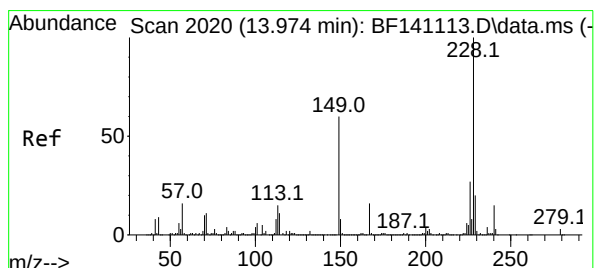
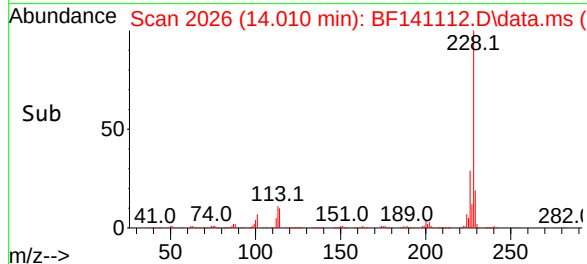
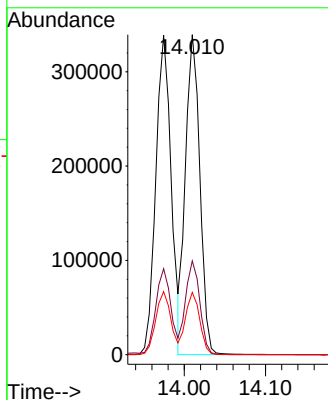
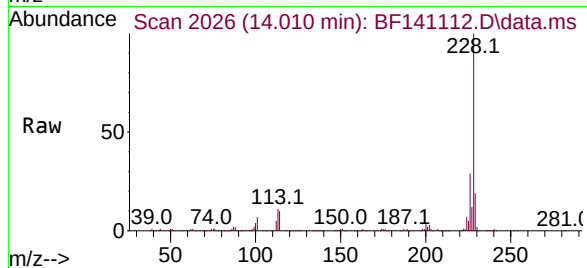




#83  
Chrysene  
Concen: 20.975 ng  
RT: 14.010 min Scan# 2027  
Delta R.T. -0.006 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

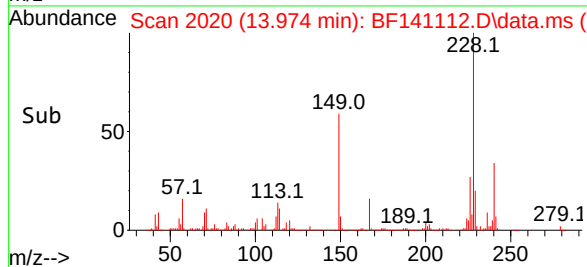
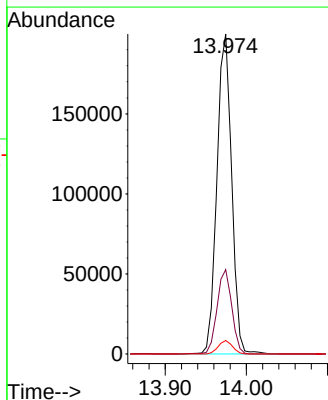
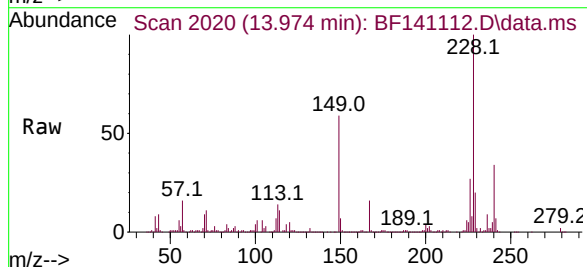
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

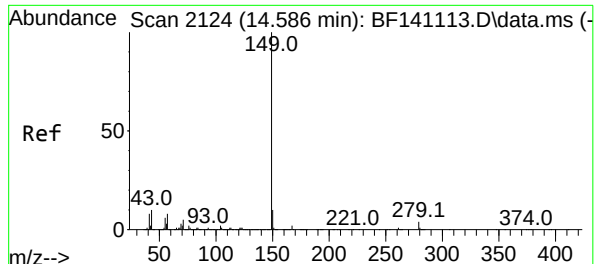
Tgt Ion:228 Resp: 417881  
Ion Ratio Lower Upper  
228 100  
226 29.3 23.8 35.8  
229 19.4 15.8 23.8



#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

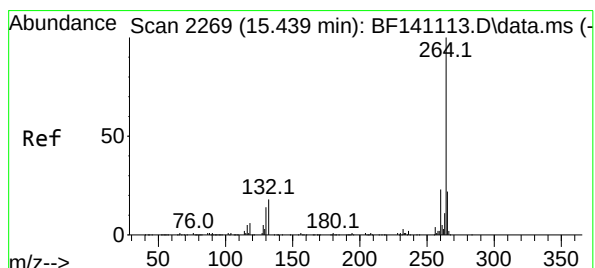
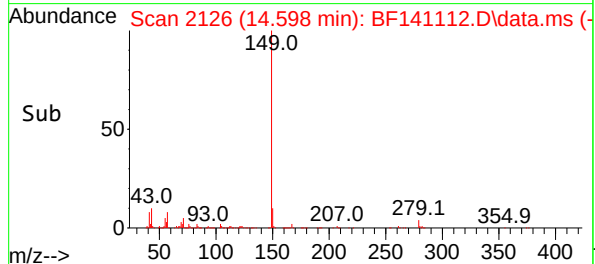
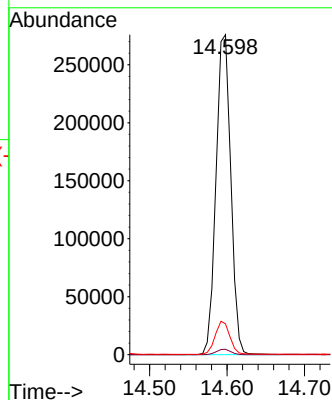
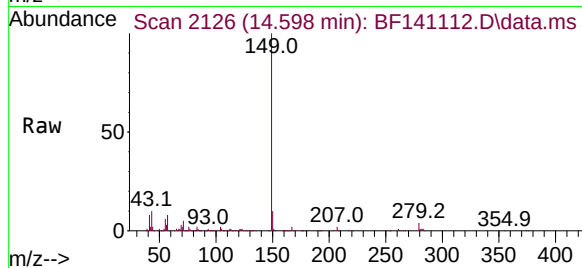




#85  
Di-n-octyl phthalate  
Concen: 20.253 ng  
RT: 14.598 min Scan# 2124  
Delta R.T. 0.012 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

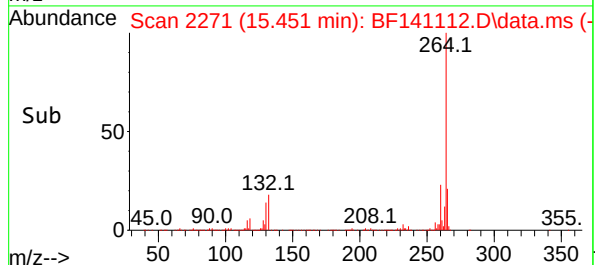
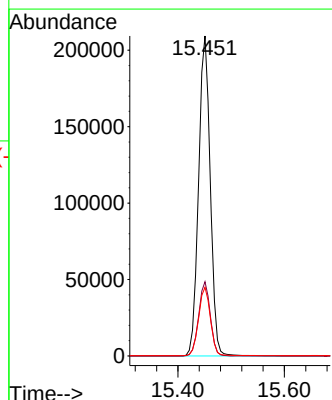
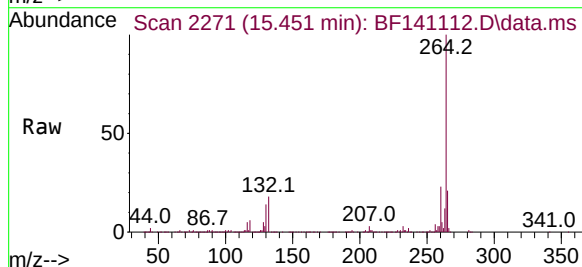
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

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

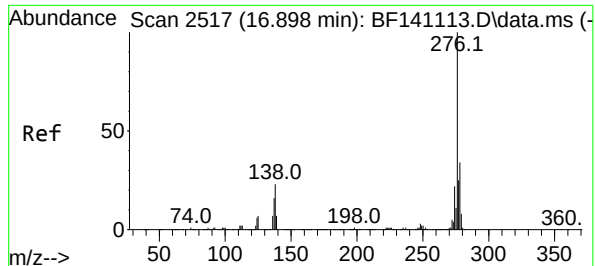


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.451 min Scan# 2271  
Delta R.T. 0.012 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

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



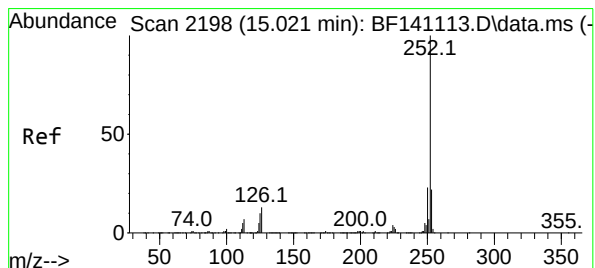
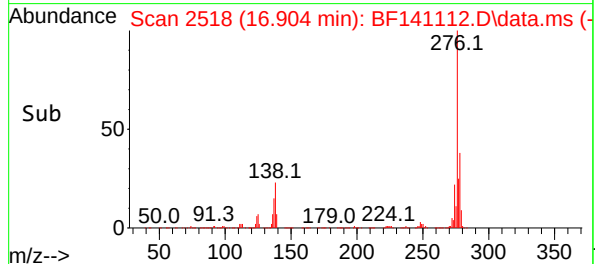
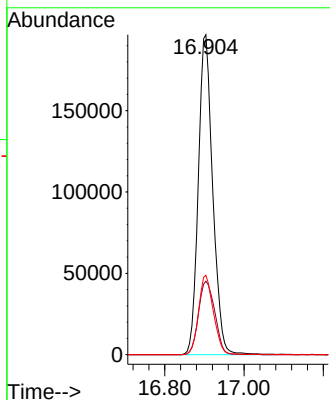
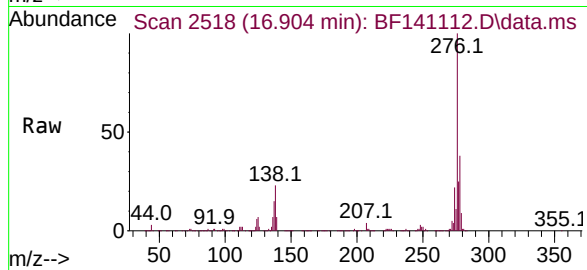




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 21.272 ng  
RT: 16.904 min Scan# 2118  
Delta R.T. 0.006 min  
Lab File: BF141112.D  
Acq: 10 Jan 2025 14:10

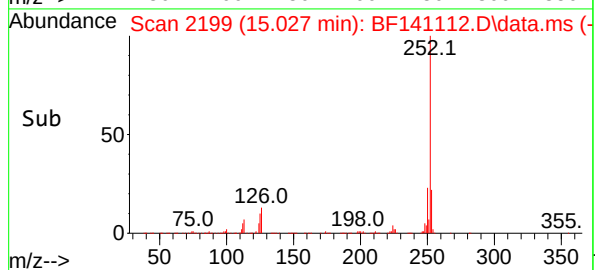
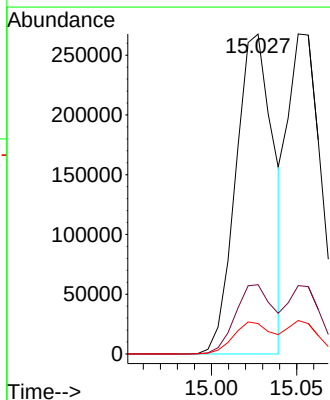
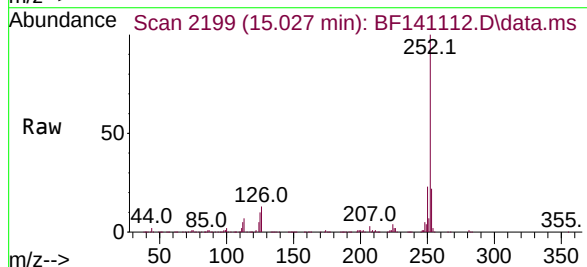
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC020

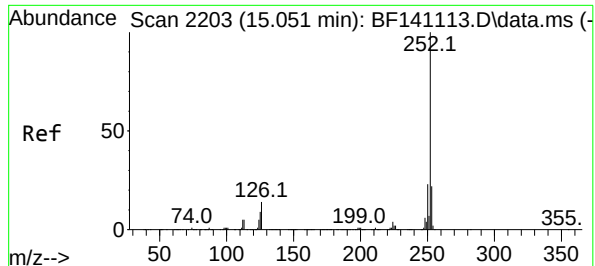
Tgt Ion:276 Resp: 496449  
Ion Ratio Lower Upper  
276 100  
138 26.0 20.7 31.1  
277 25.6 20.6 30.8



#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# 21

Delta R.T. 0.000 min

Lab File: BF141112.D

Acq: 10 Jan 2025 14:10

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

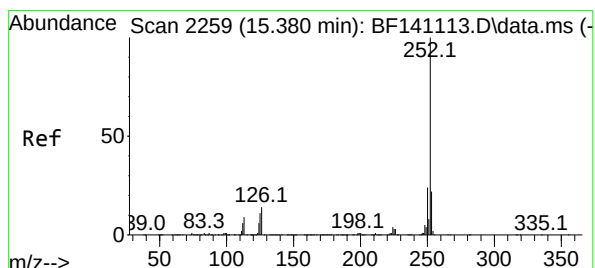
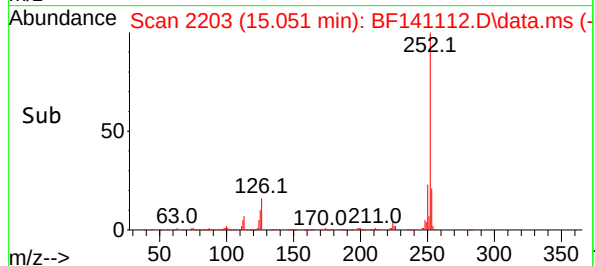
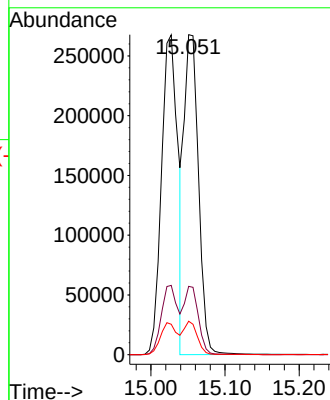
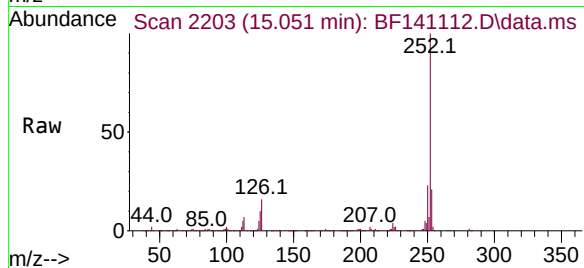
Tgt Ion:252 Resp: 363482

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

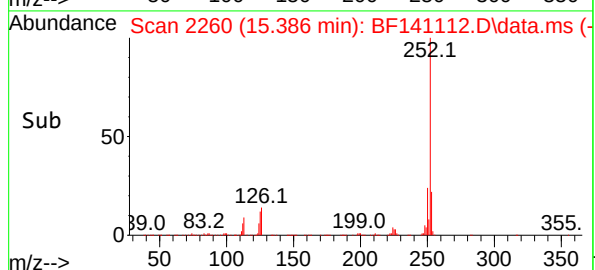
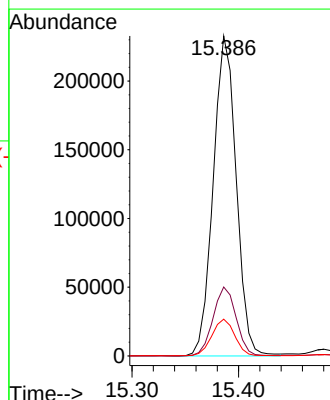
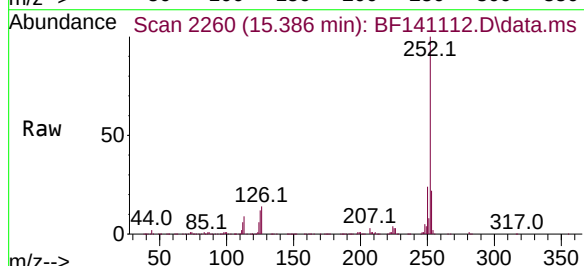
Tgt Ion:252 Resp: 348882

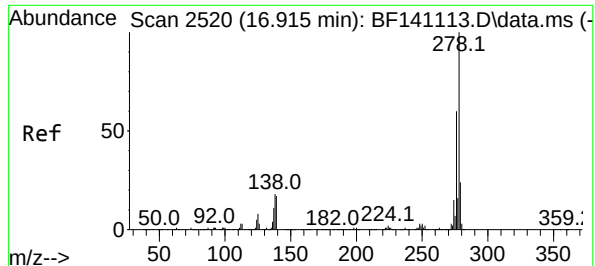
Ion Ratio Lower Upper

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# 2521

Delta R.T. 0.006 min

Lab File: BF141112.D

Acq: 10 Jan 2025 14:10

Instrument :

BNA\_F

ClientSampleId :

SSTDICC020

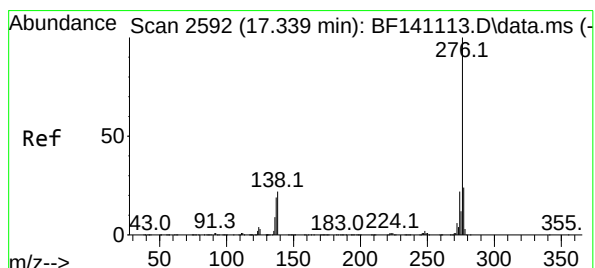
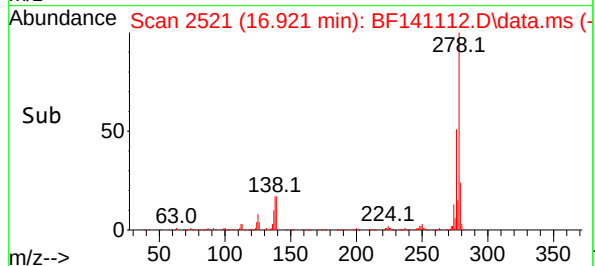
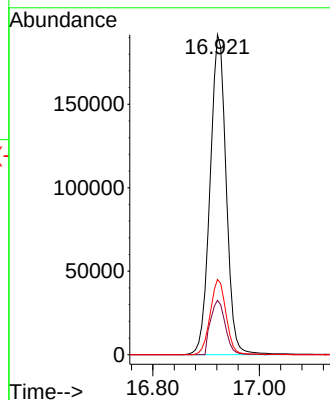
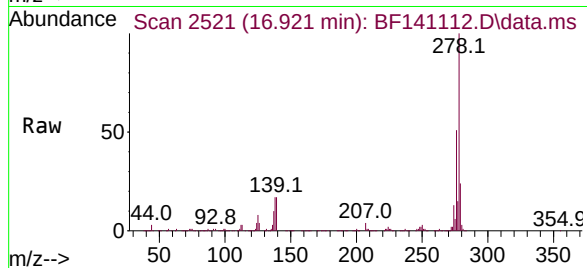
Tgt Ion:278 Resp: 401882

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

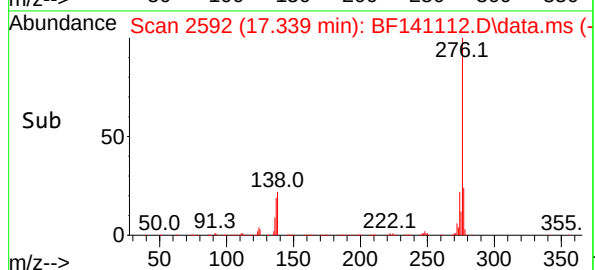
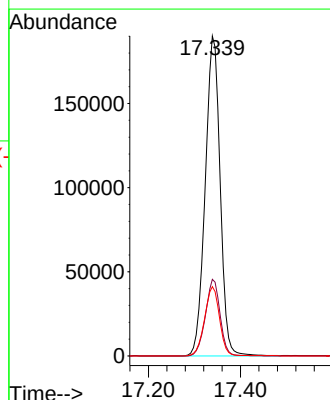
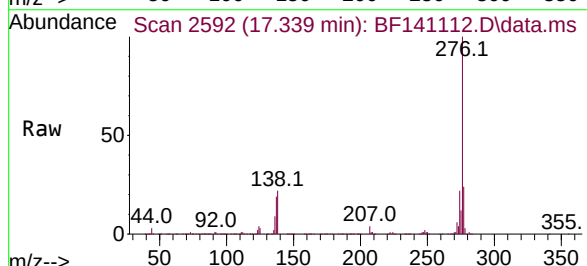
Tgt Ion:276 Resp: 429242

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.4

138 21.7 17.4 26.2



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      |

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

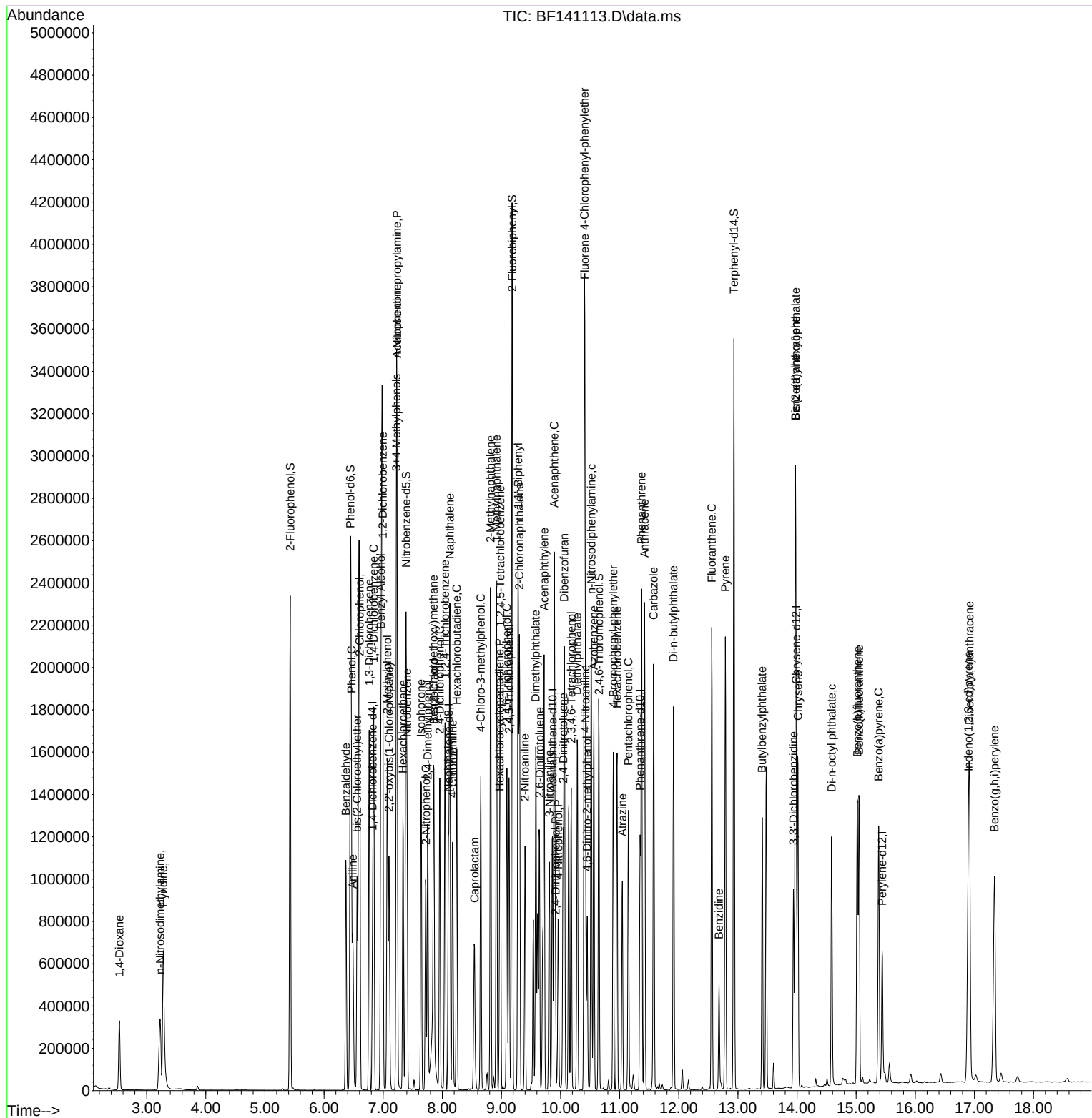
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.128  | 196  | 291660   | 39.203 | ng    | 100      |
| 46) 1,1'-Biphenyl             | 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      |

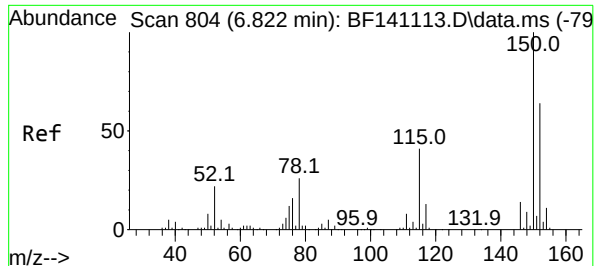
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Data File : BF141113.D  
Acq On    : 10 Jan 2025  14:36  
Operator  : RC/JU  
Sample    : SSTDICCC040  
Misc      :  
ALS Vial  : 6    Sample Multiplier: 1
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**Instrument :**  
BNA\_F  
**ClientSampleId :**  
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

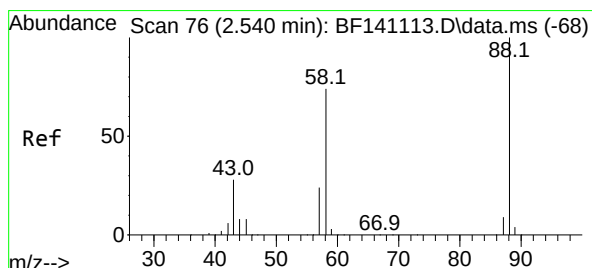
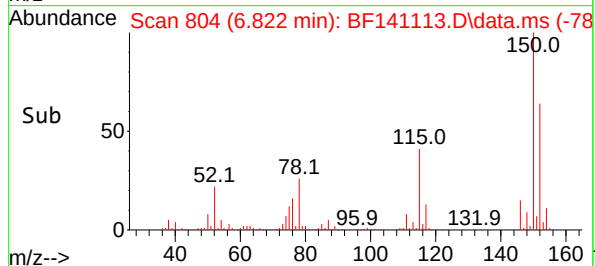
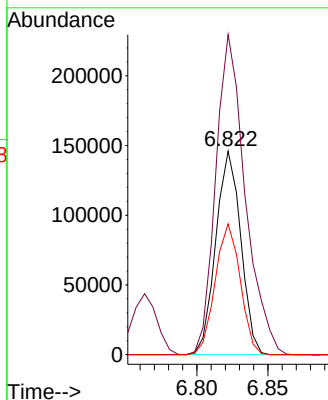
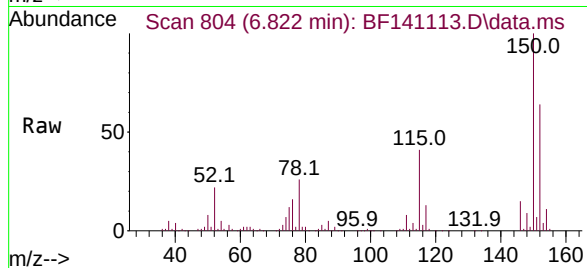




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 804  
Delta R.T. -0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

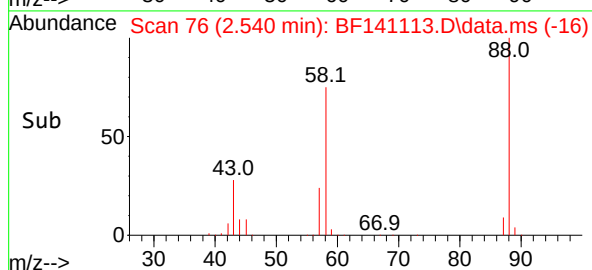
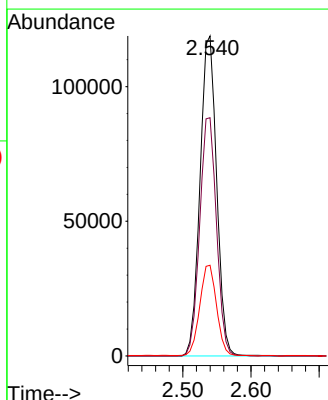
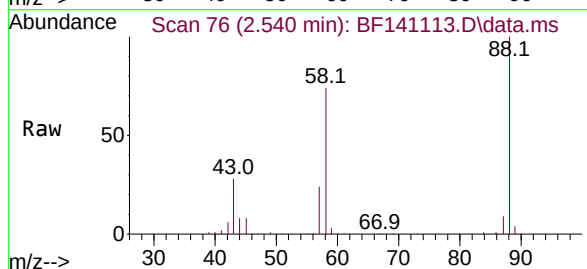
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

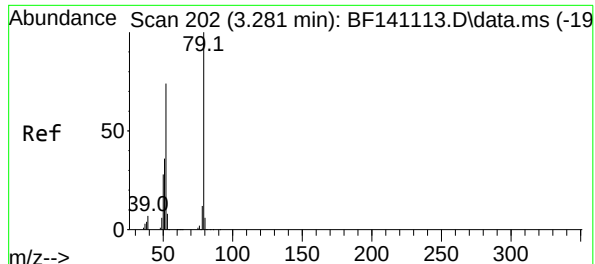
Tgt Ion:152 Resp: 178652  
Ion Ratio Lower Upper  
152 100  
150 157.3 125.8 188.8  
115 64.3 51.4 77.2



#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

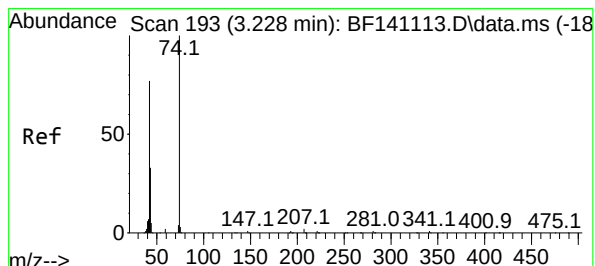
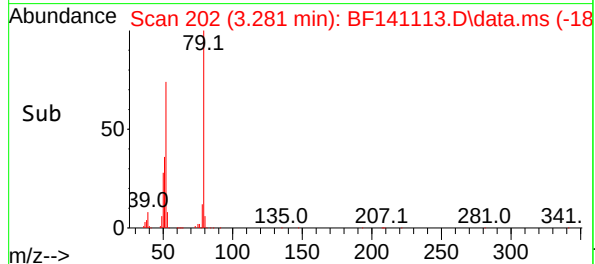
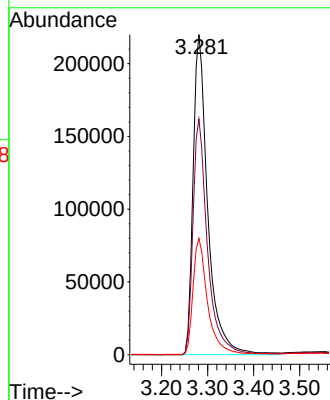
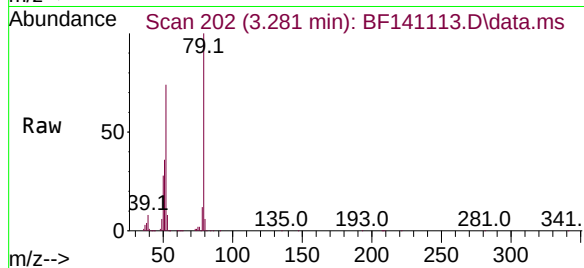




#3  
Pyridine  
Concen: 38.485 ng  
RT: 3.281 min Scan# 202  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

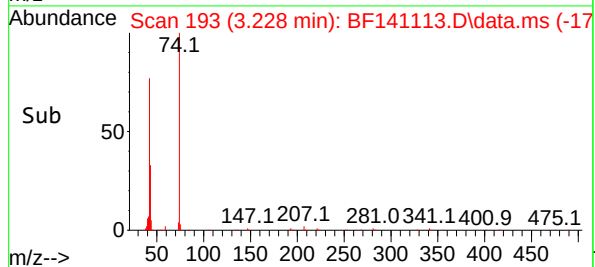
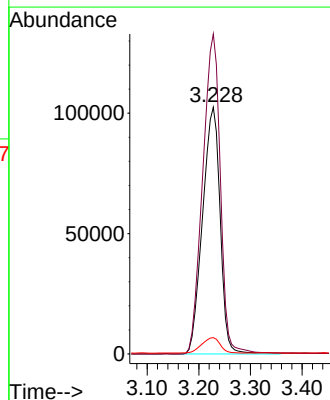
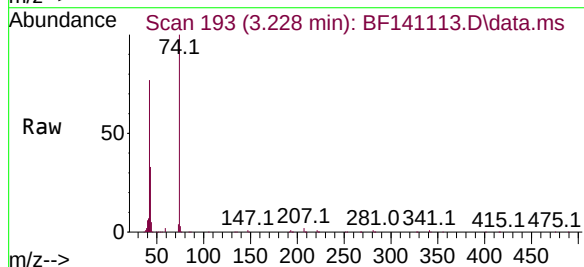
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

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

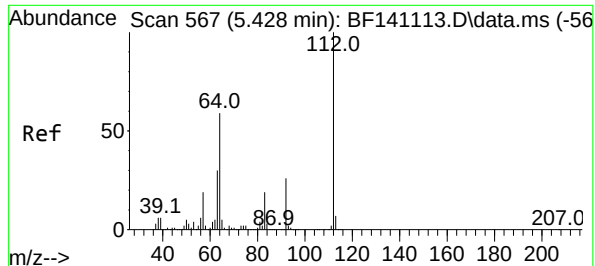


#4  
n-Nitrosodimethylamine  
Concen: 39.258 ng  
RT: 3.228 min Scan# 193  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

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



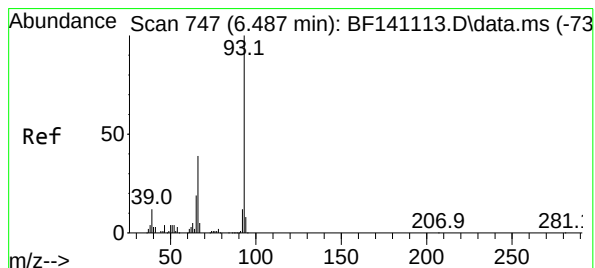
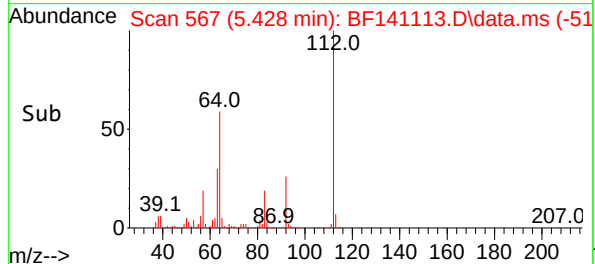
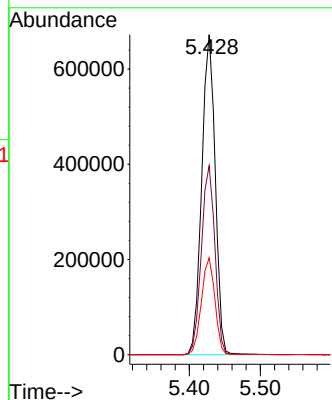
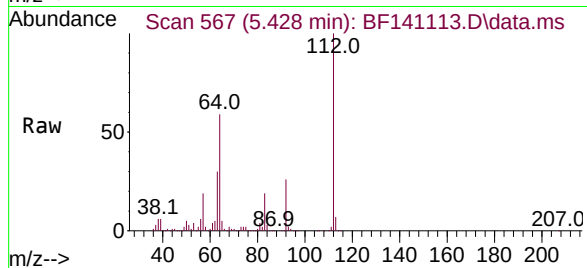




#5  
2-Fluorophenol  
Concen: 77.111 ng  
RT: 5.428 min Scan# 567  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

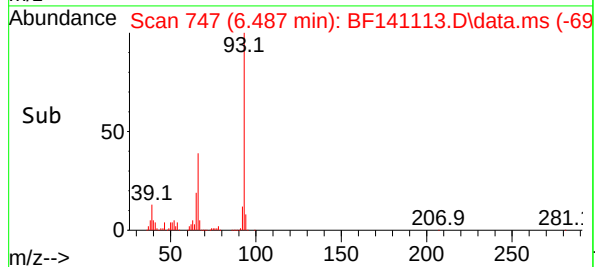
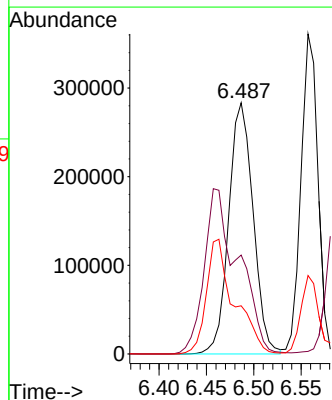
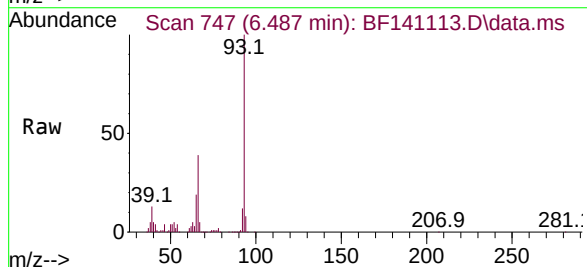
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

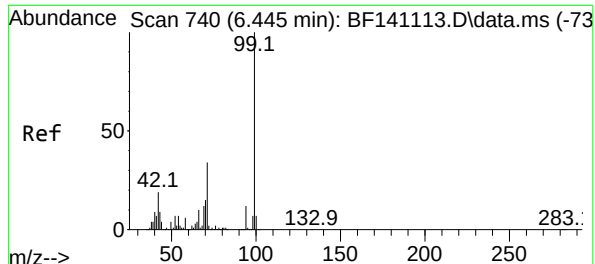
Tgt Ion:112 Resp: 891763  
Ion Ratio Lower Upper  
112 100  
64 59.1 47.3 70.9  
63 30.2 24.2 36.2



#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# 740

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

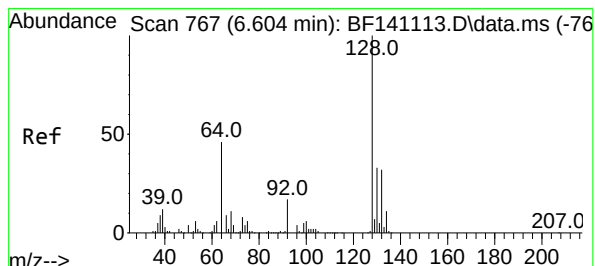
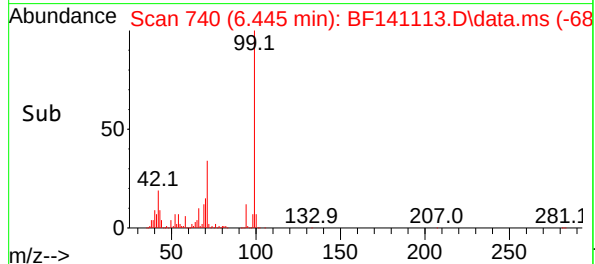
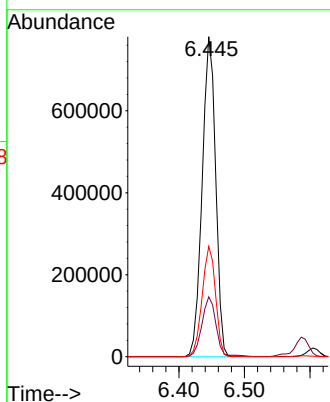
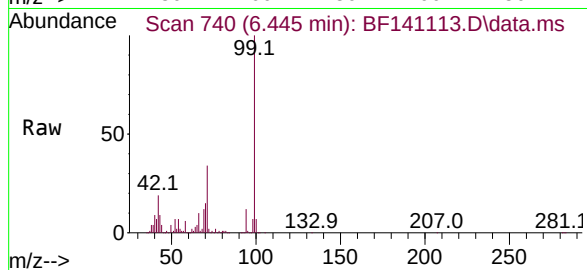
BNA\_F

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

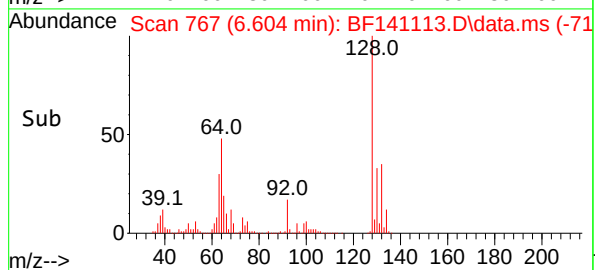
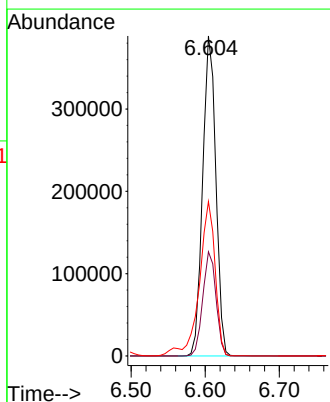
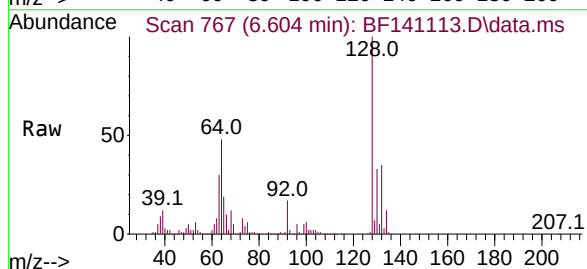
Delta R.T. 0.000 min

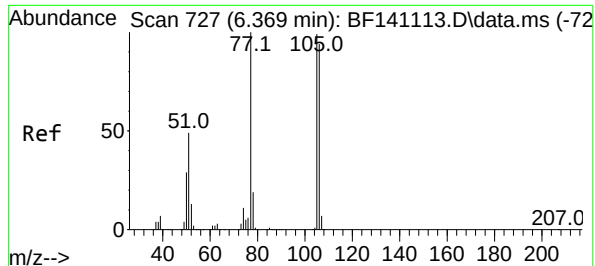
Lab File: BF141113.D

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# 727

Delta R.T. -0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

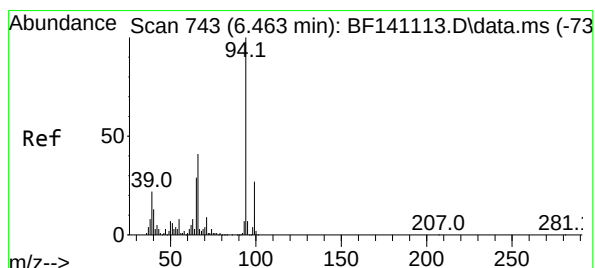
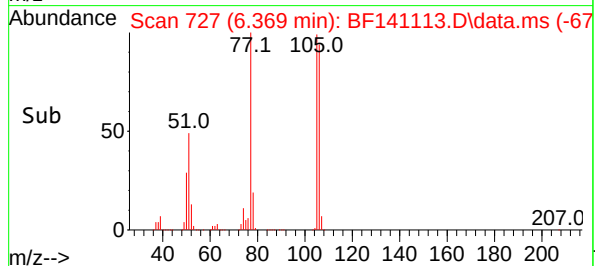
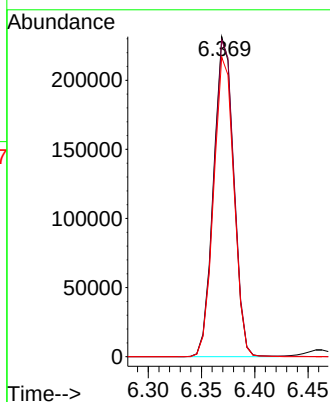
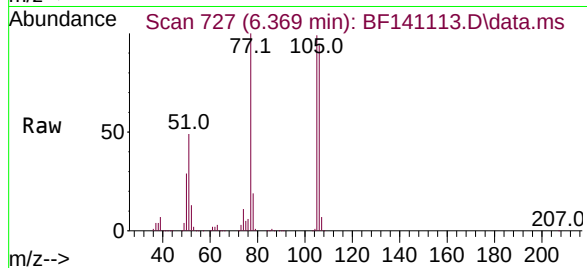
Tgt Ion: 77 Resp: 303180

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

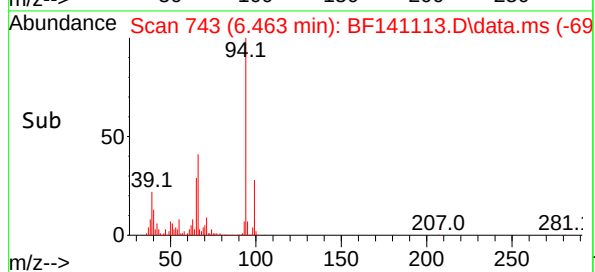
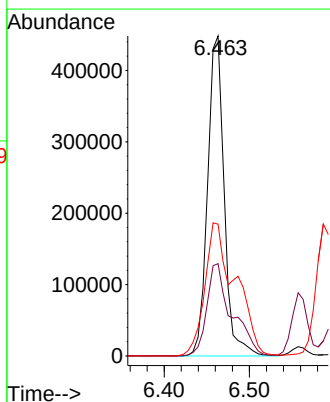
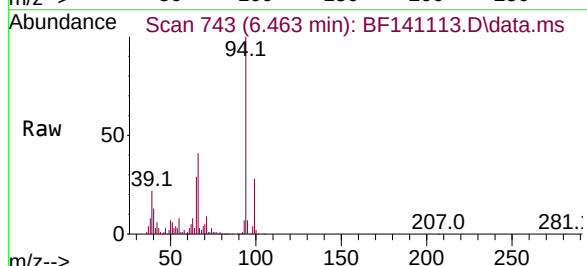
Tgt Ion: 94 Resp: 607714

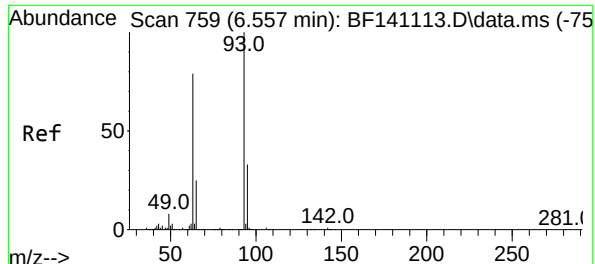
Ion Ratio Lower Upper

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# 759

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

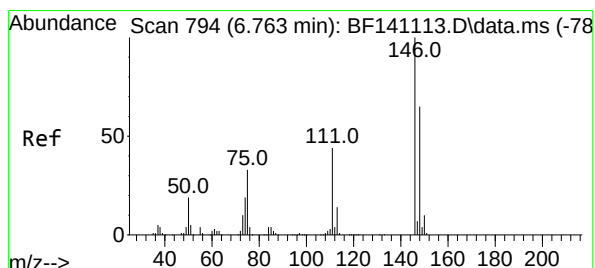
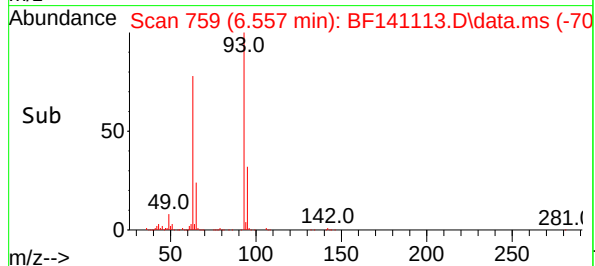
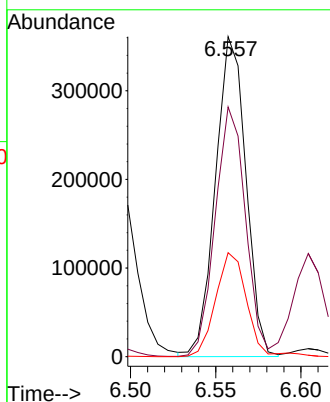
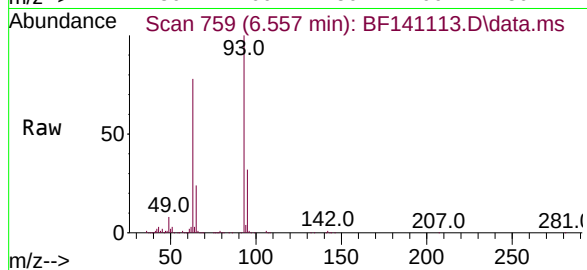
Tgt Ion: 93 Resp: 448899

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

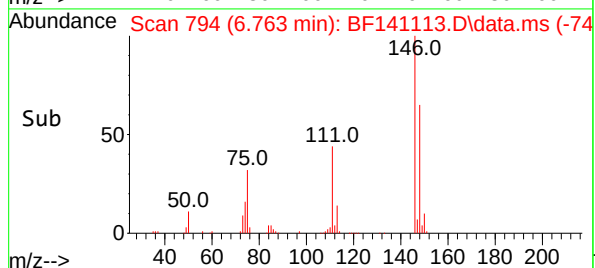
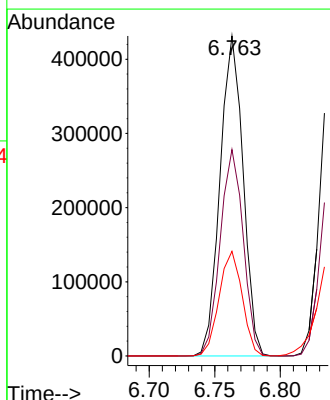
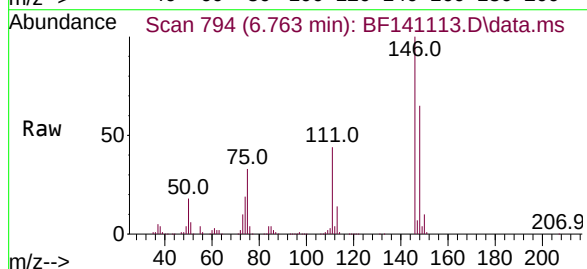
Tgt Ion: 146 Resp: 527365

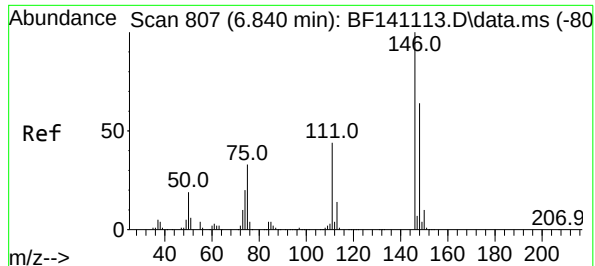
Ion Ratio Lower Upper

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# 807

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

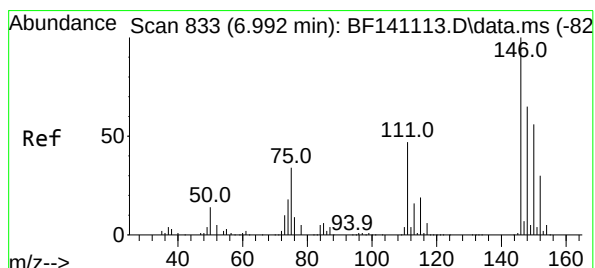
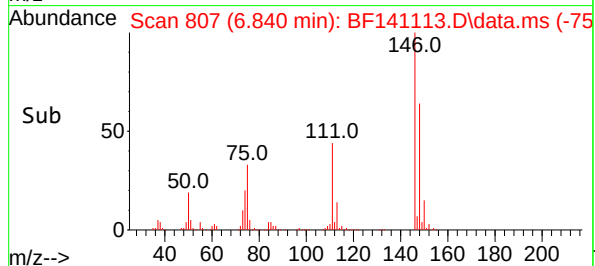
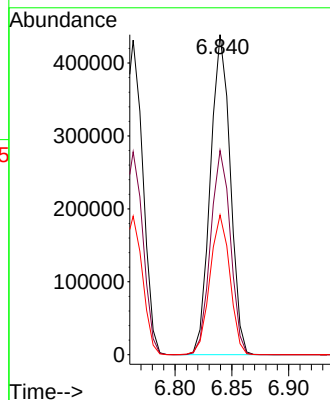
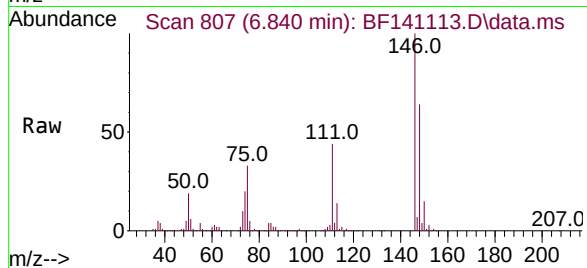
Tgt Ion:146 Resp: 534324

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

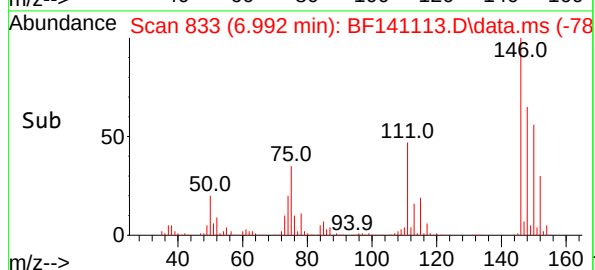
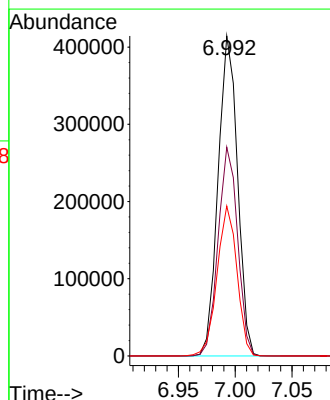
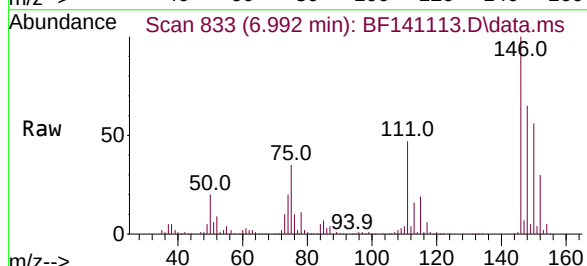
Tgt Ion:146 Resp: 493883

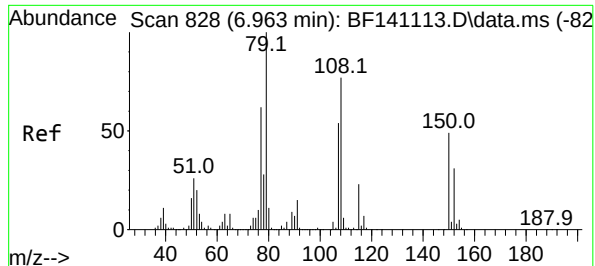
Ion Ratio Lower Upper

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# 828

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

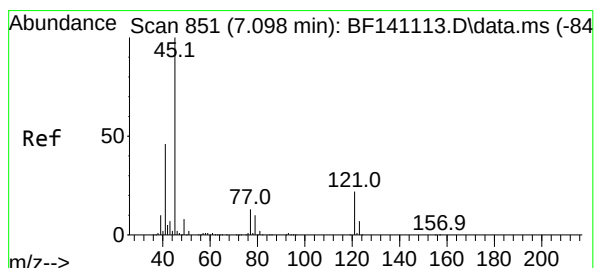
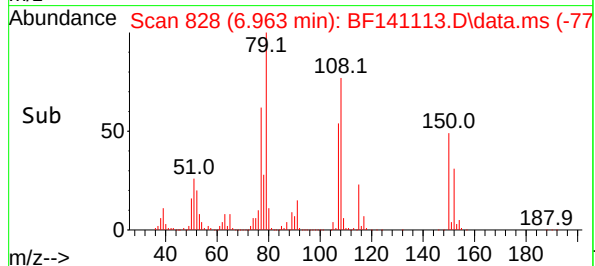
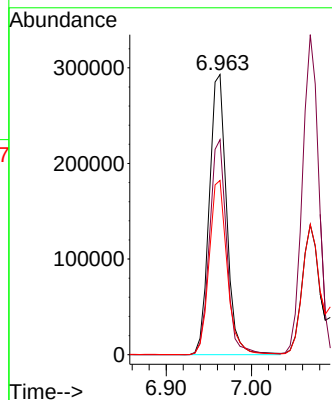
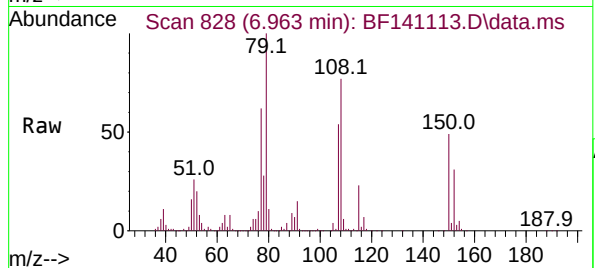
Tgt Ion: 79 Resp: 413856

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

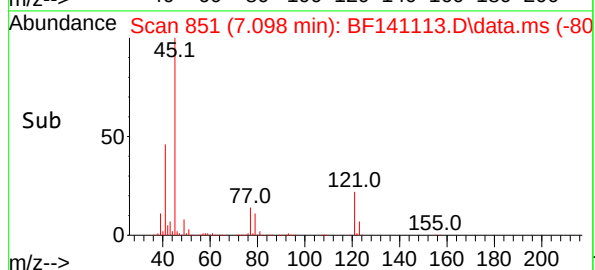
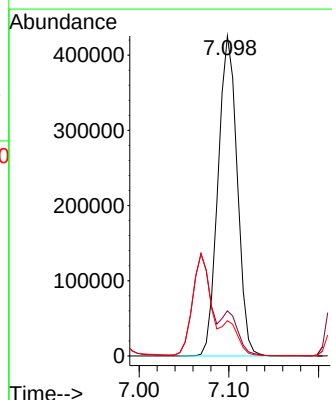
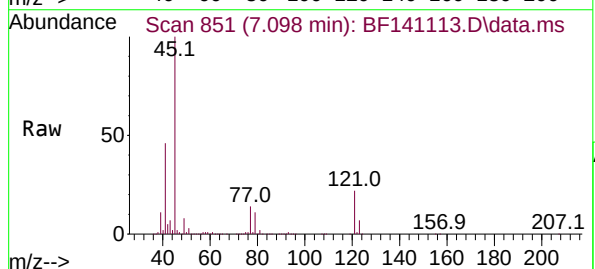
Tgt Ion: 45 Resp: 630969

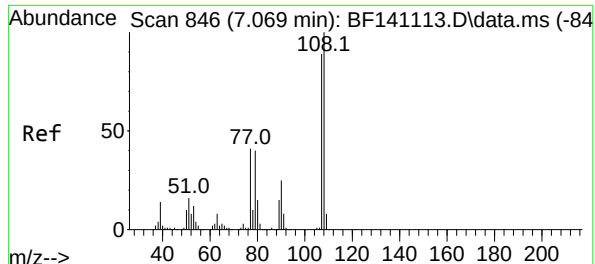
Ion Ratio Lower Upper

45 100

77 14.1 0.0 34.1

79 11.0 0.0 31.0

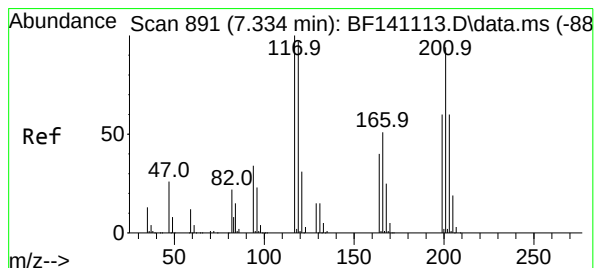
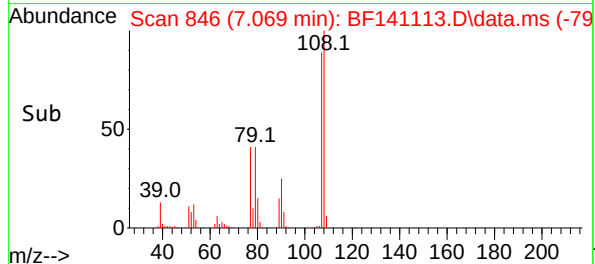
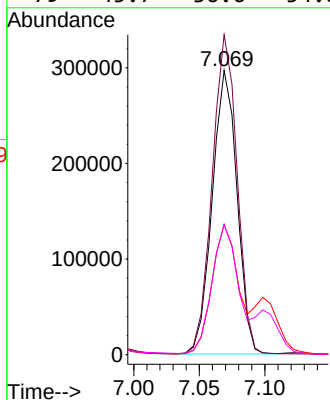
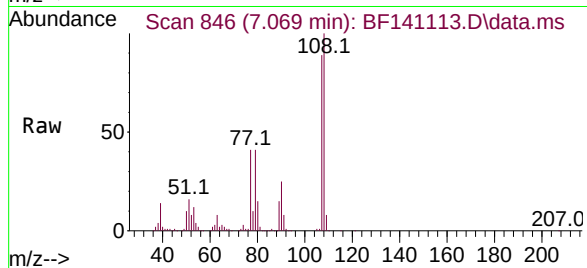




#17  
2-Methylphenol  
Concen: 38.821 ng  
RT: 7.069 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

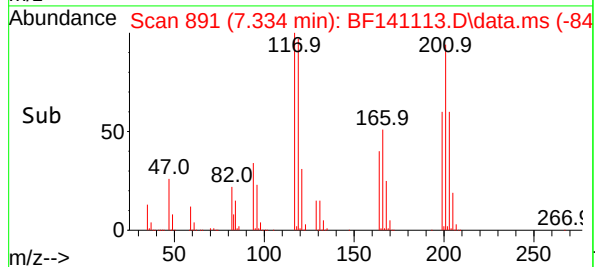
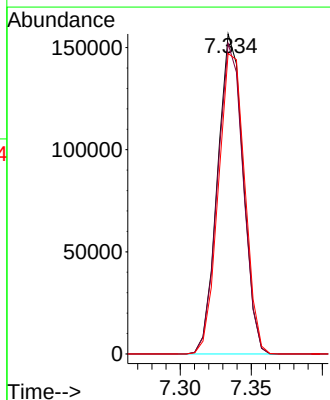
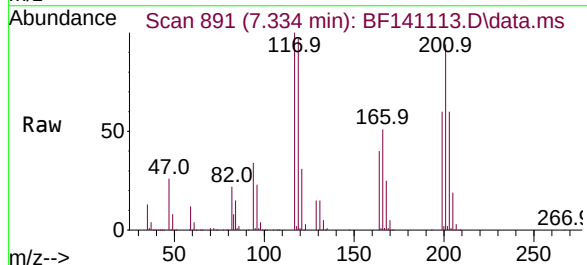
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

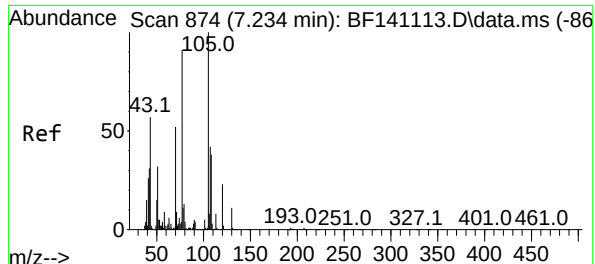
Tgt Ion:107 Resp: 388877  
Ion Ratio Lower Upper  
107 100  
108 112.6 90.1 135.1  
77 45.8 36.6 55.0  
79 45.7 36.6 54.8



#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# 81

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

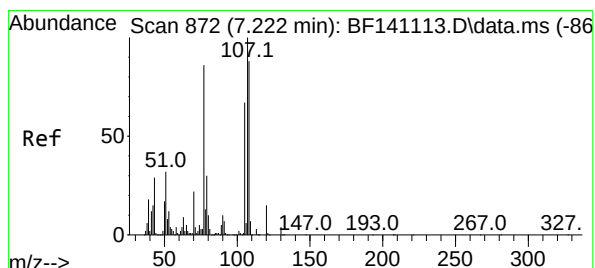
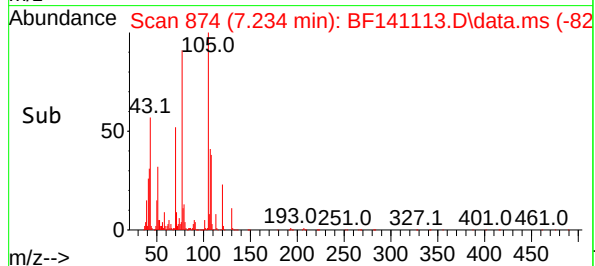
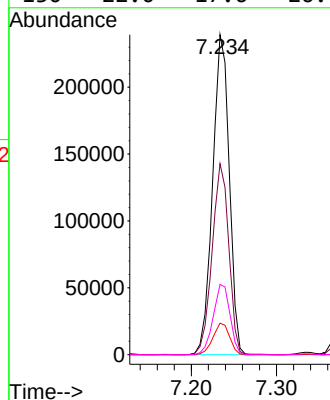
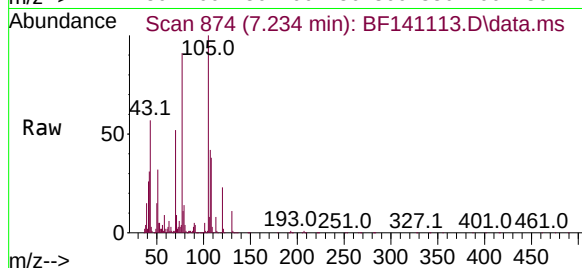
Ion Ratio Lower Upper

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

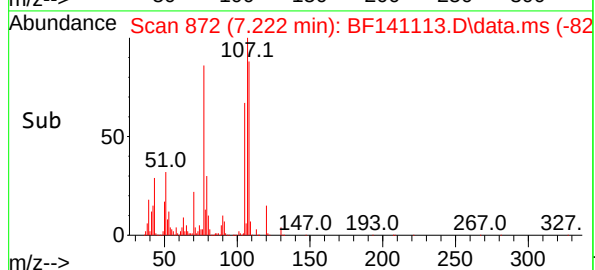
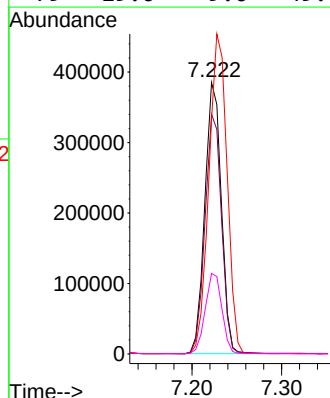
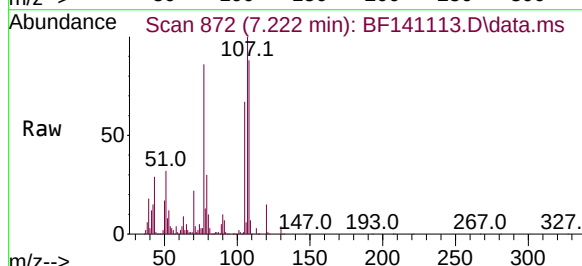
Ion Ratio Lower Upper

107 100

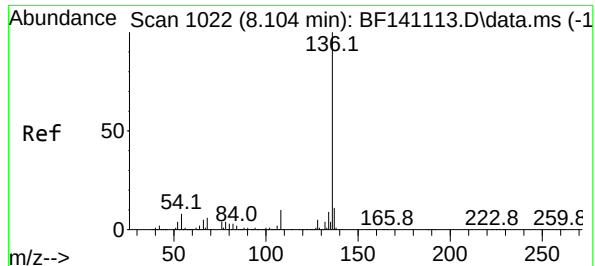
108 88.3 68.3 108.3

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# 1022

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

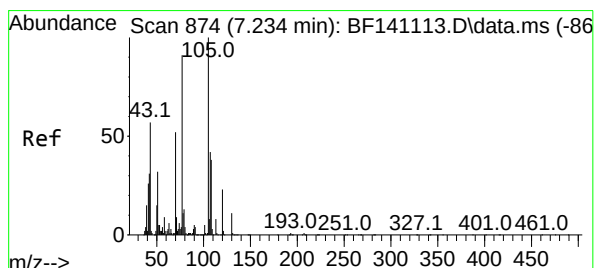
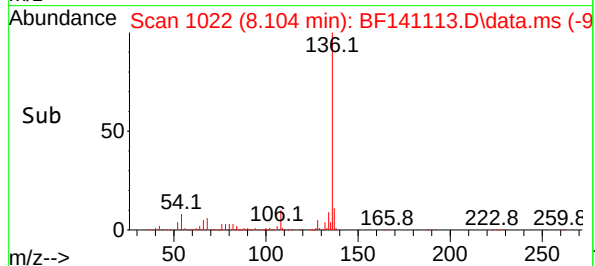
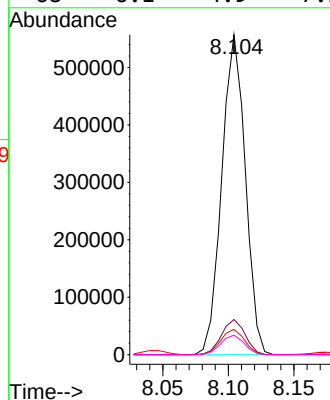
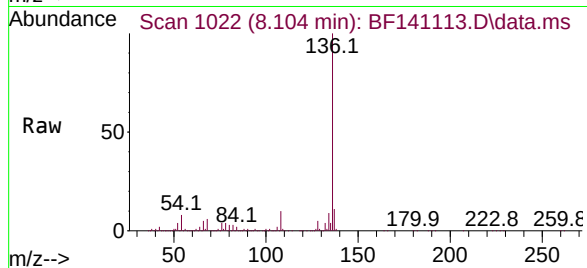
Ion Ratio Lower Upper

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

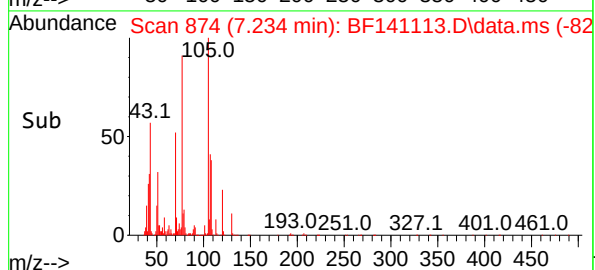
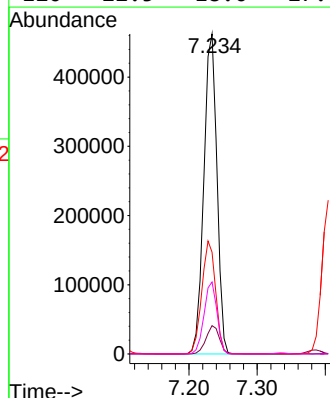
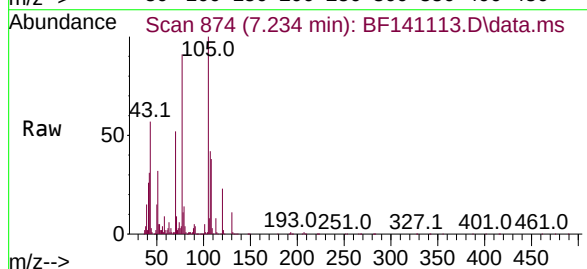
Ion Ratio Lower Upper

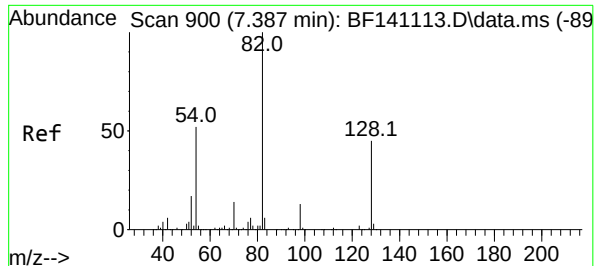
105 100

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# 900

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

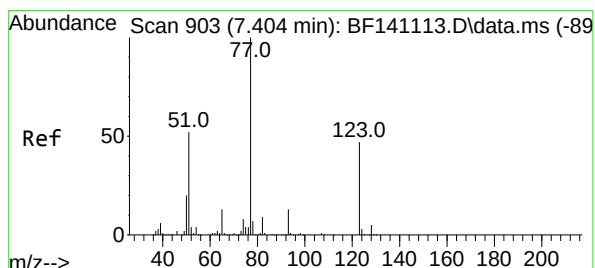
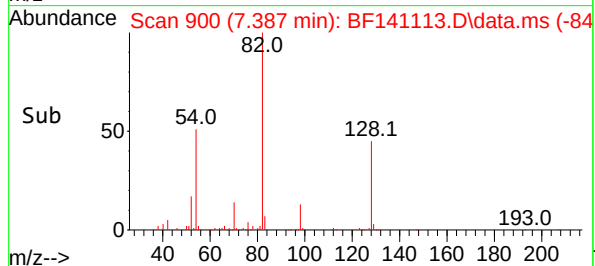
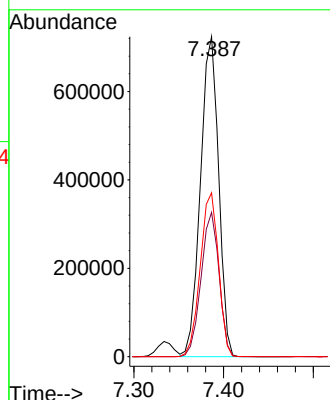
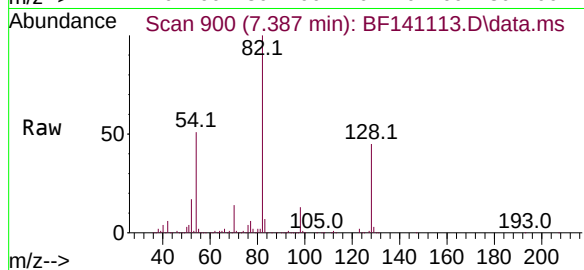
BNA\_F

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

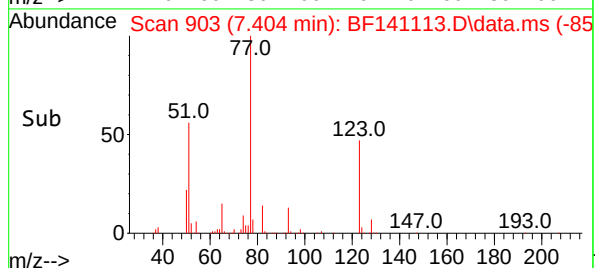
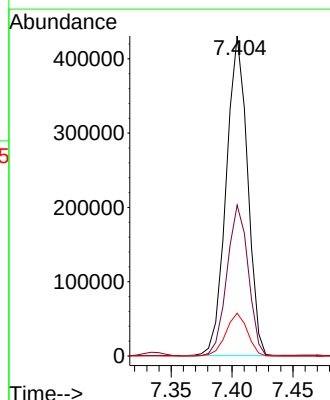
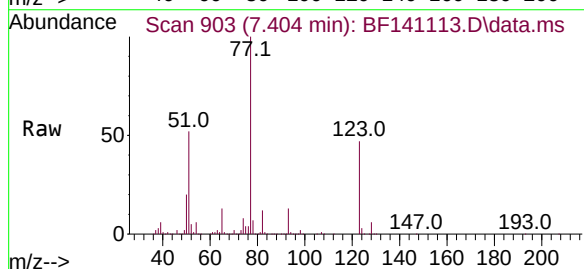
Delta R.T. 0.000 min

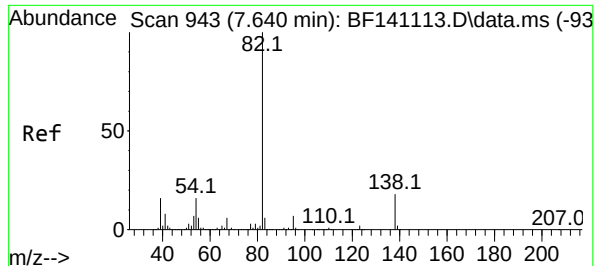
Lab File: BF141113.D

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# 943

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

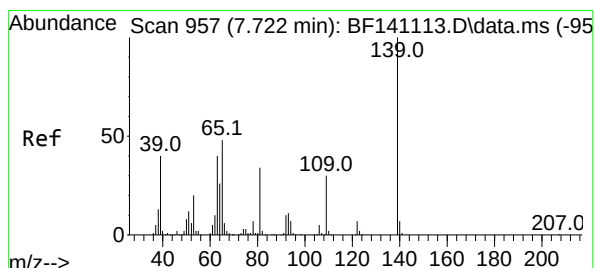
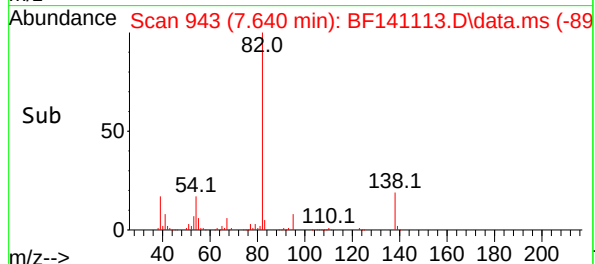
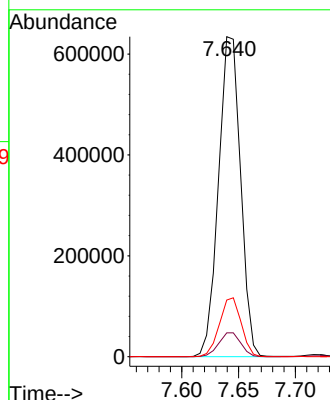
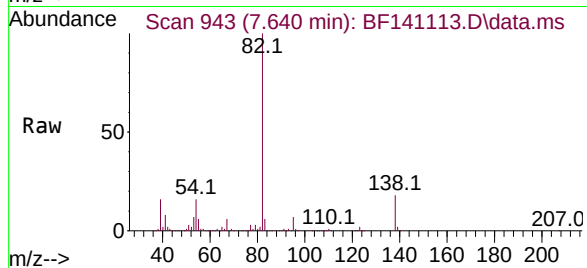
Tgt Ion: 82 Resp: 857957

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

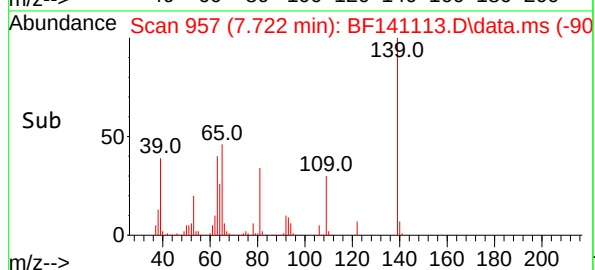
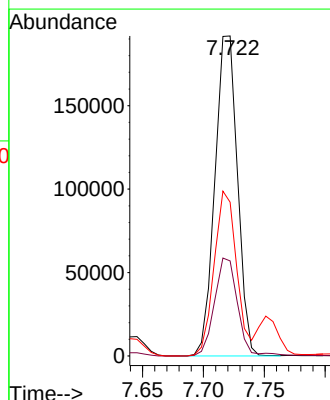
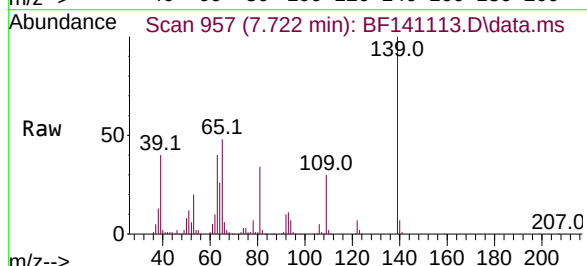
Tgt Ion:139 Resp: 247962

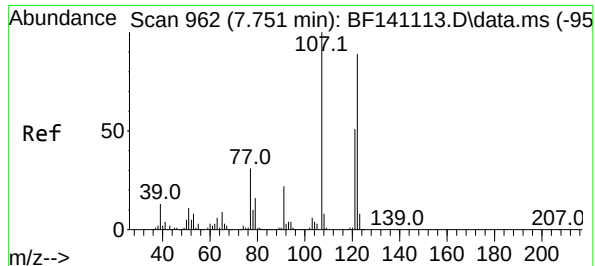
Ion Ratio Lower Upper

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# 962

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

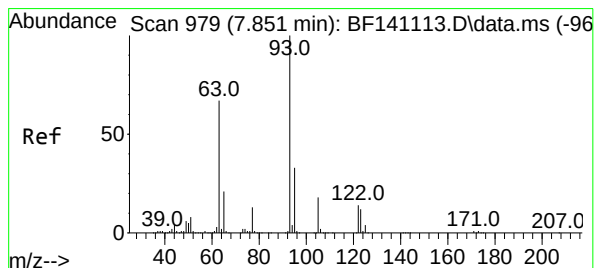
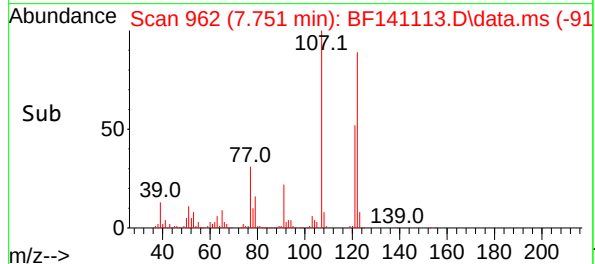
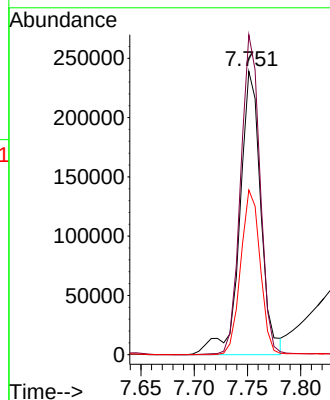
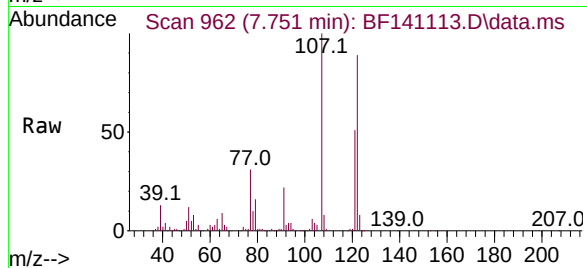
Tgt Ion:122 Resp: 328632

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

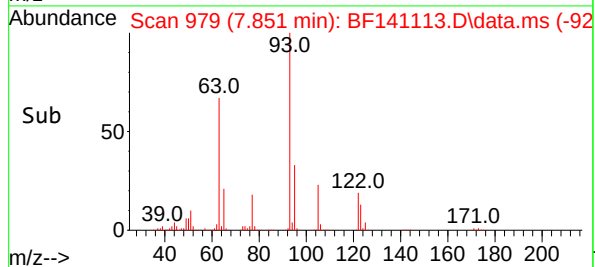
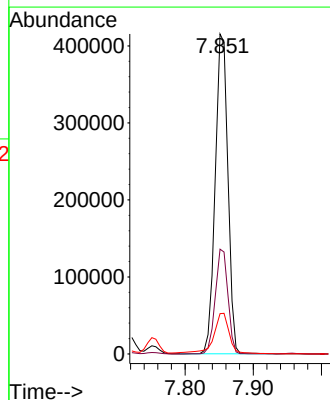
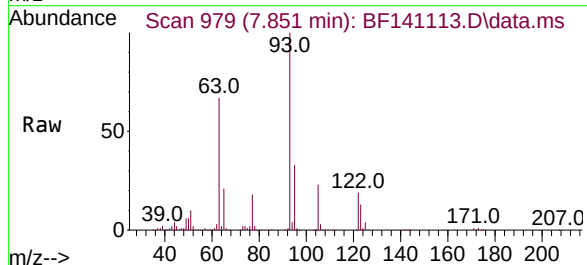
Tgt Ion: 93 Resp: 537705

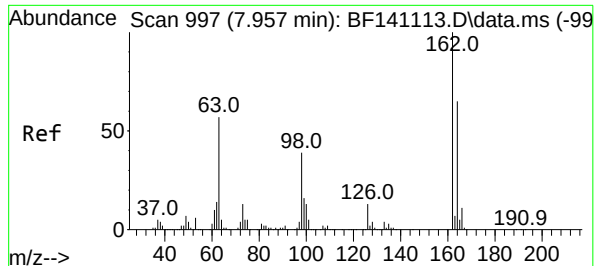
Ion Ratio Lower Upper

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# 997

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

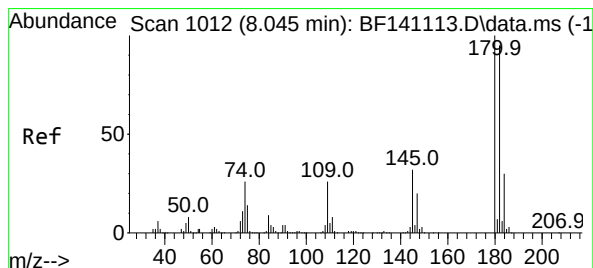
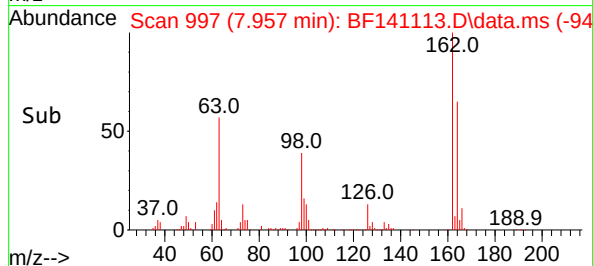
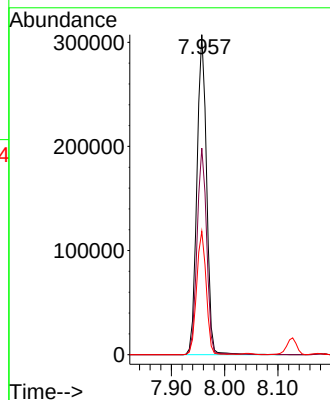
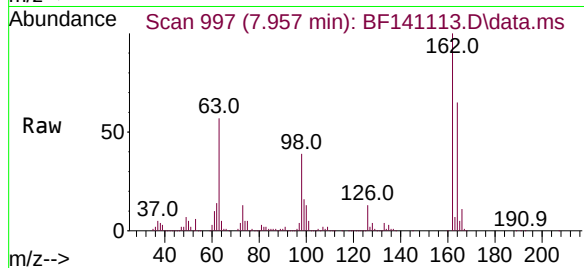
Tgt Ion:162 Resp: 385578

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

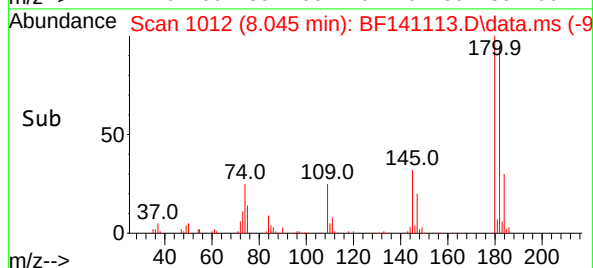
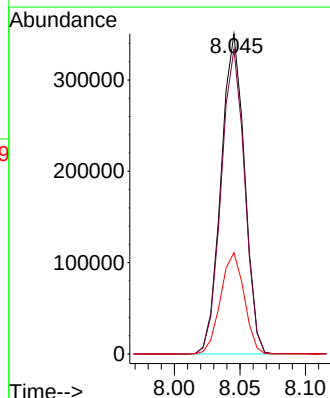
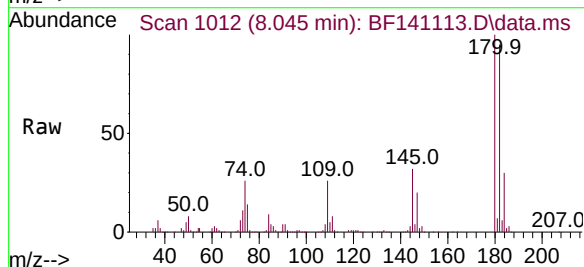
Tgt Ion:180 Resp: 435914

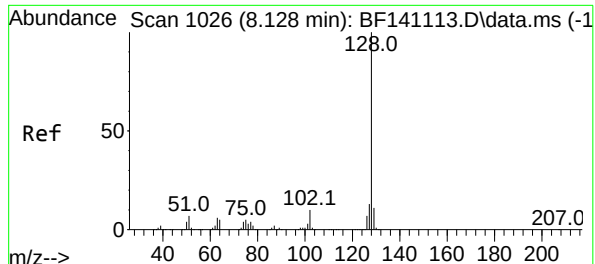
Ion Ratio Lower Upper

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

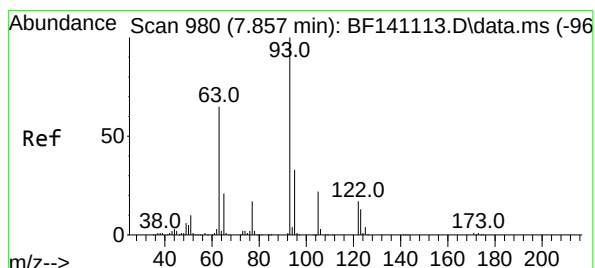
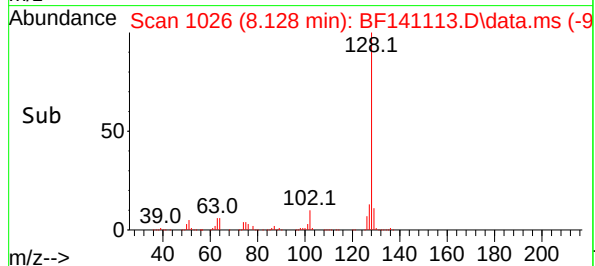
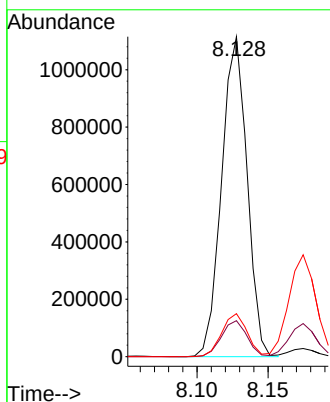
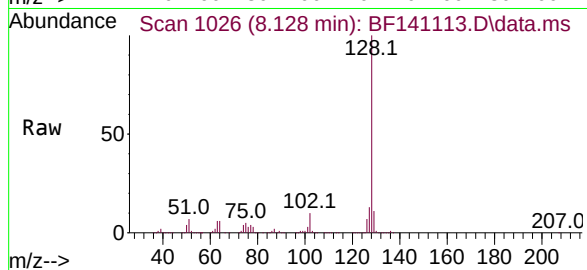
Tgt Ion:128 Resp: 1388249

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

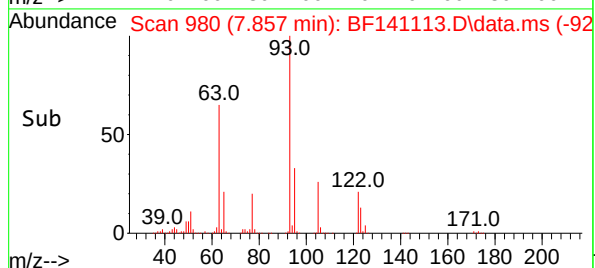
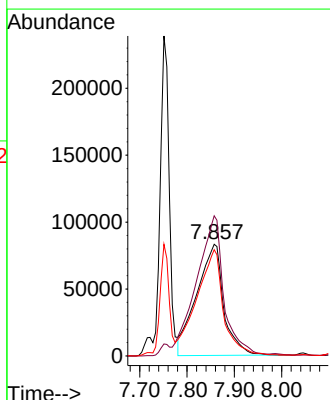
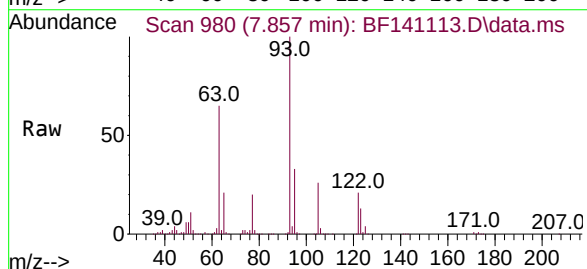
Tgt Ion:122 Resp: 330807

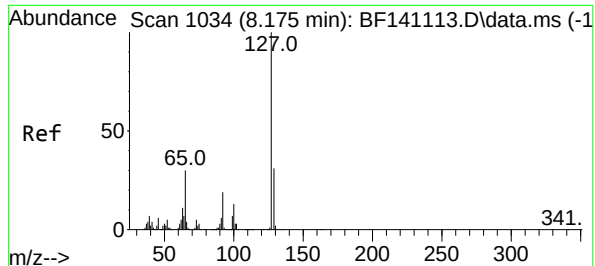
Ion Ratio Lower Upper

122 100

105 125.5 105.5 145.5

77 95.1 75.1 115.1

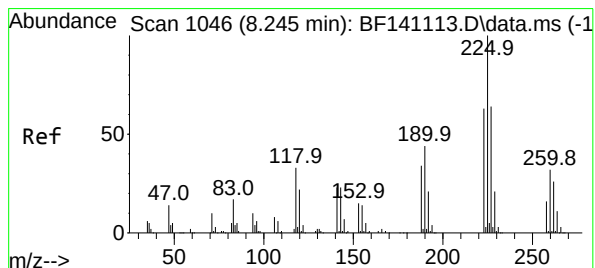
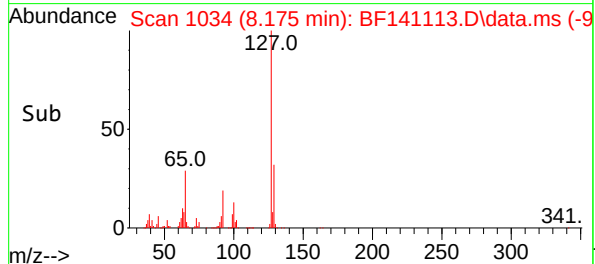
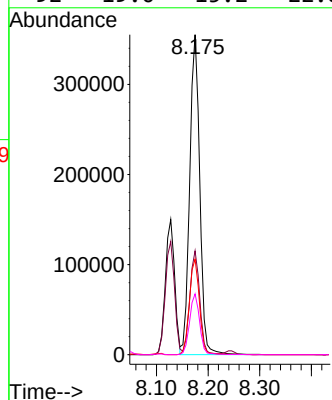
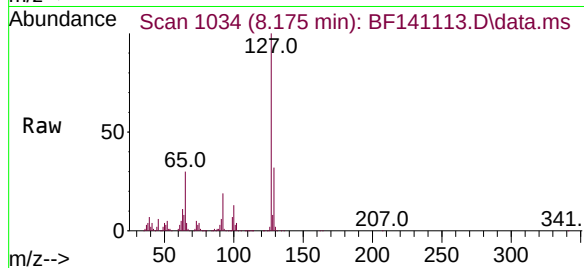




#33  
4-Chloroaniline  
Concen: 37.789 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

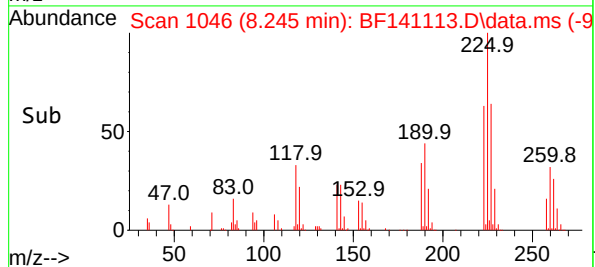
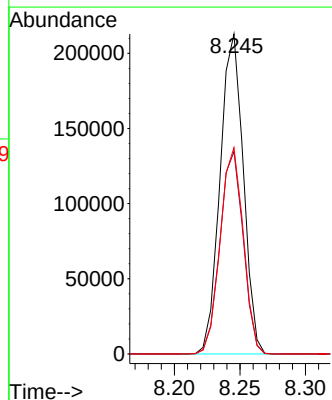
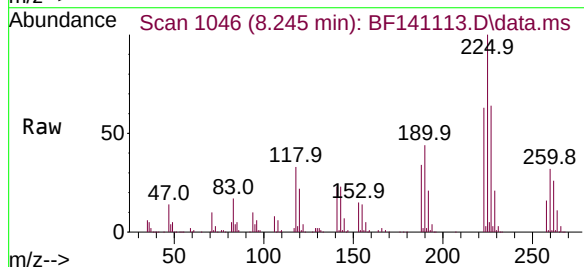
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

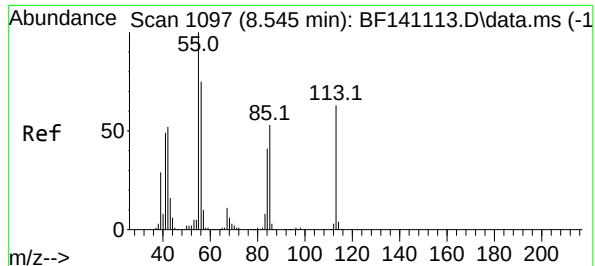
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 479132 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.4  | 25.9  | 38.9   |
| 65       | 29.8  | 23.8  | 35.8   |
| 92       | 19.0  | 15.2  | 22.8   |



#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# 1097

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

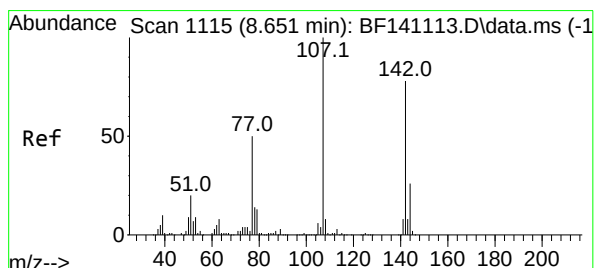
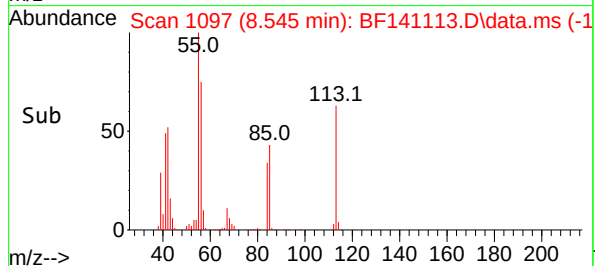
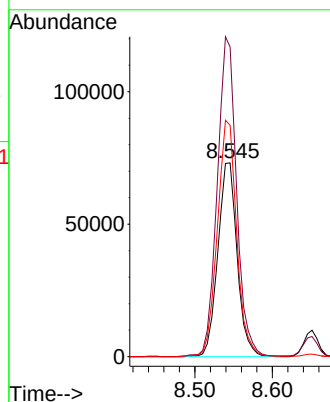
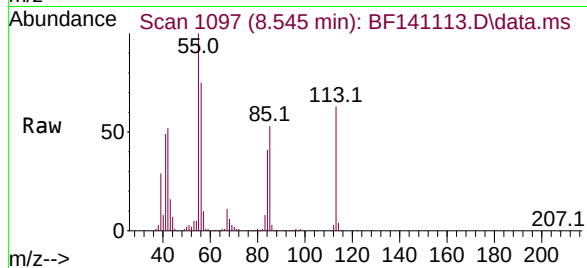
Tgt Ion:113 Resp: 126481

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

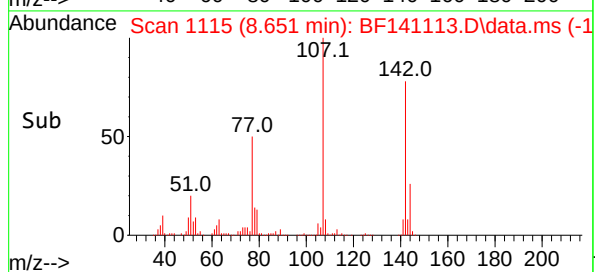
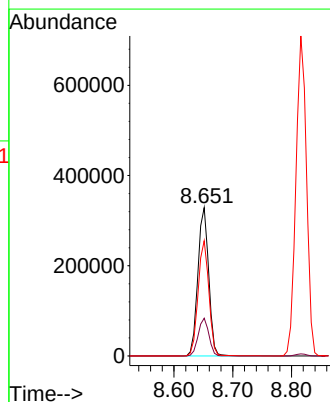
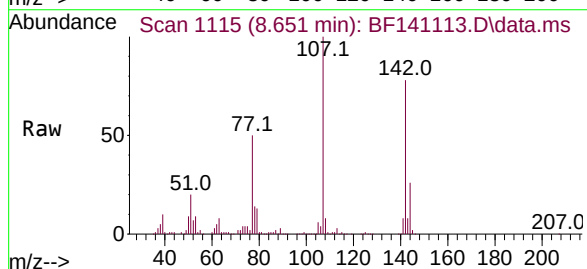
Tgt Ion:107 Resp: 420106

Ion Ratio Lower Upper

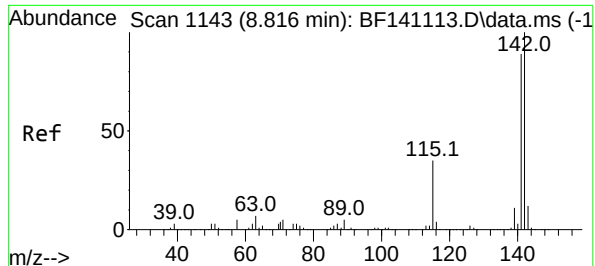
107 100

144 25.5 20.4 30.6

142 77.7 62.2 93.2



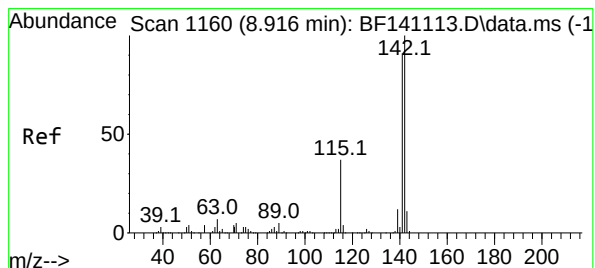
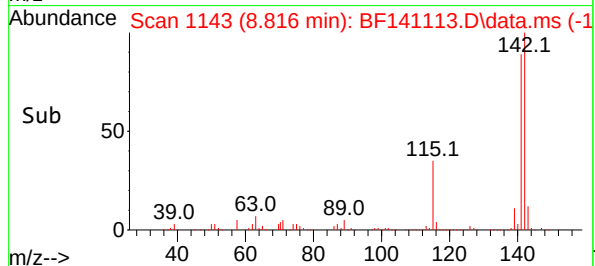
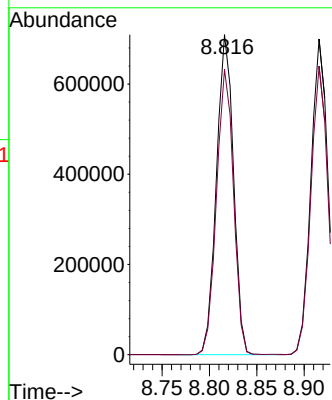
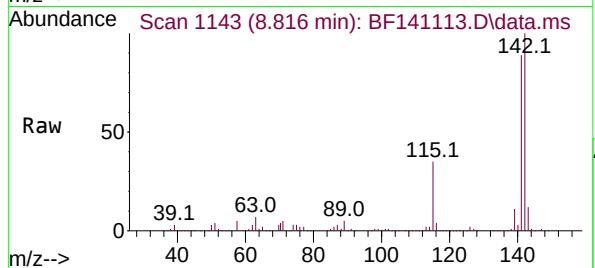




#37  
2-Methylnaphthalene  
Concen: 37.973 ng  
RT: 8.816 min Scan# 1143  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

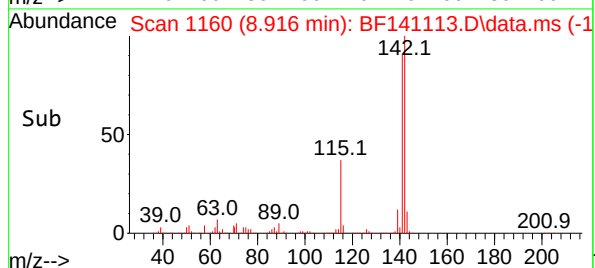
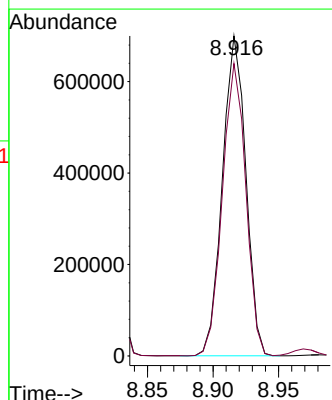
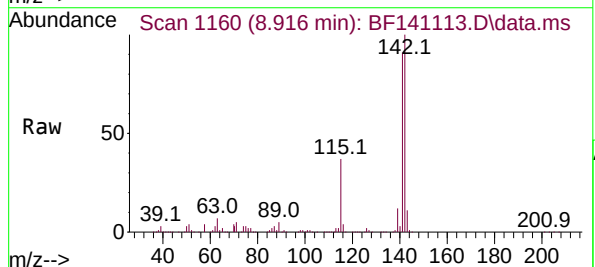
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

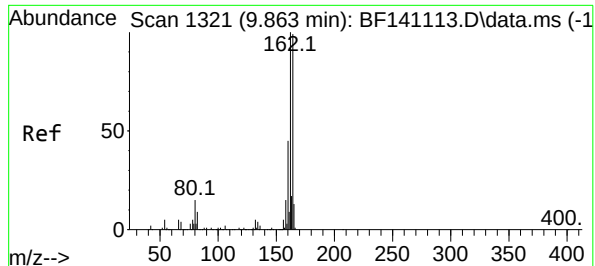
Tgt Ion:142 Resp: 887132  
Ion Ratio Lower Upper  
142 100  
141 89.1 71.3 106.9



#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# 11

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

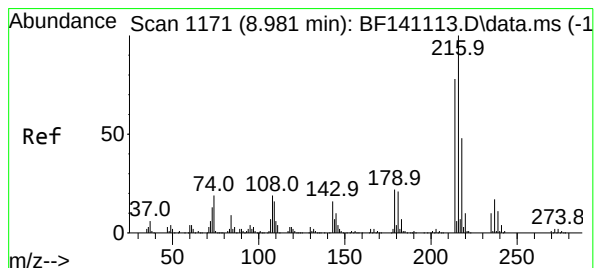
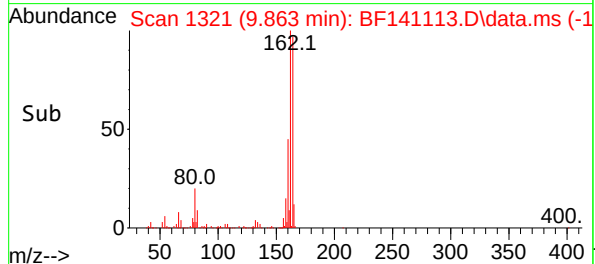
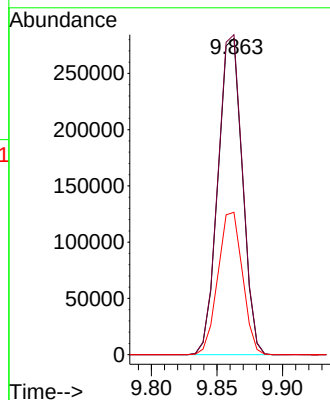
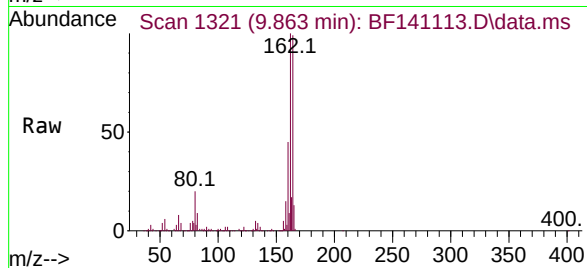
Tgt Ion:164 Resp: 363903

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

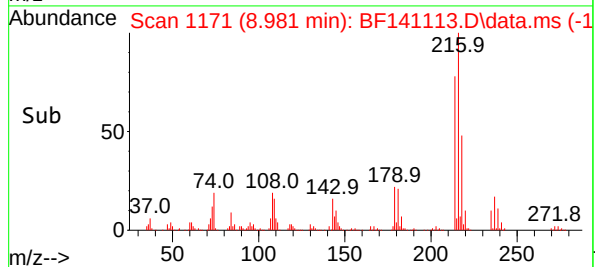
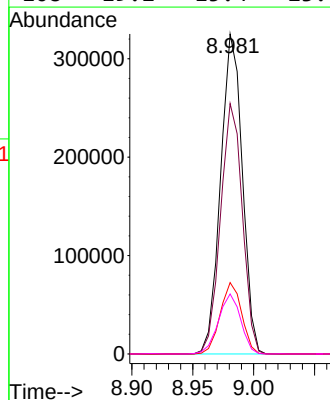
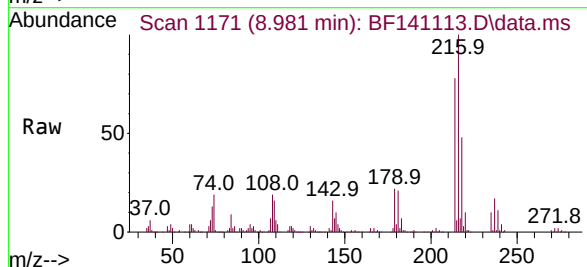
Ion Ratio Lower Upper

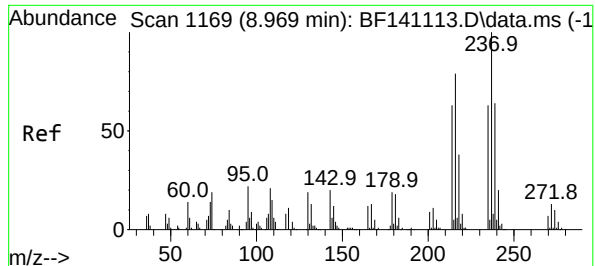
216 100

214 78.3 62.6 94.0

179 22.1 17.7 26.5

108 19.2 15.4 23.0

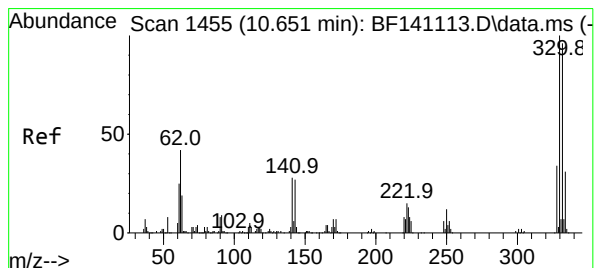
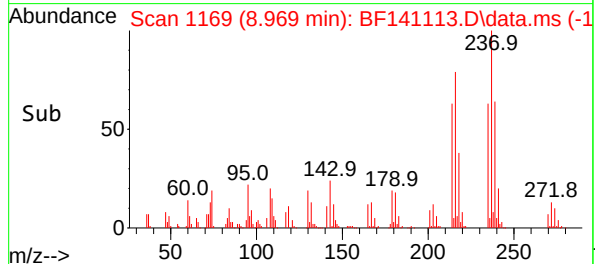
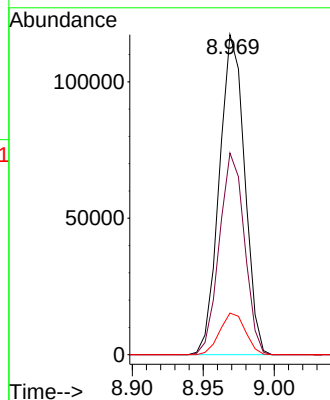
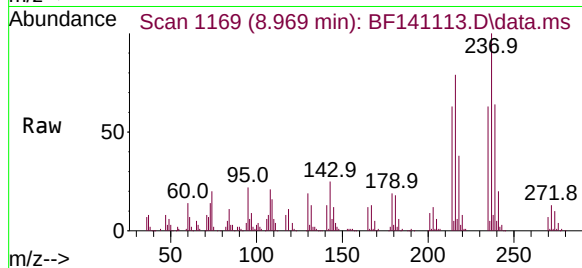




#41  
Hexachlorocyclopentadiene  
Concen: 42.508 ng  
RT: 8.969 min Scan# 1169  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

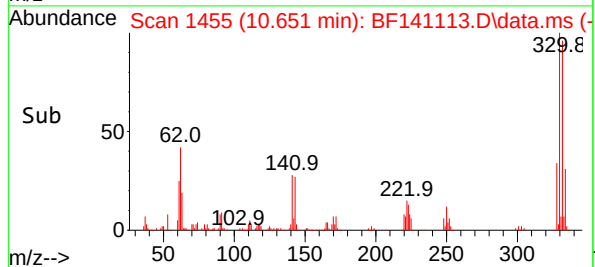
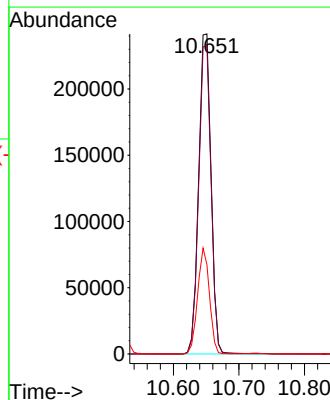
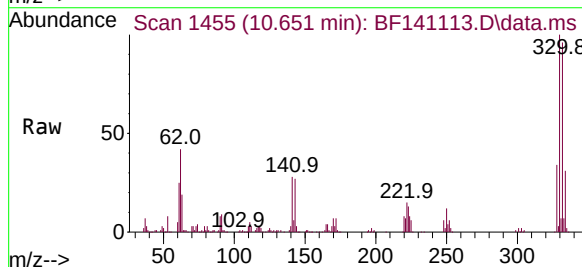
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

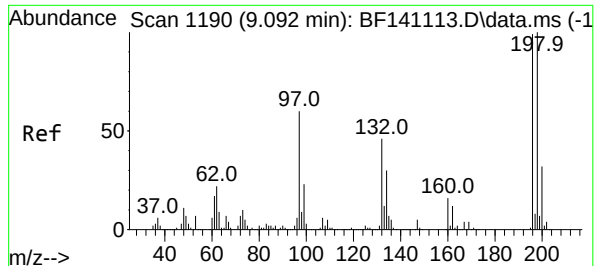
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 237     | 100   |       |       |
| 235     | 63.0  | 43.0  | 83.0  |
| 272     | 13.0  | 0.0   | 33.0  |



#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 | 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# 1190

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

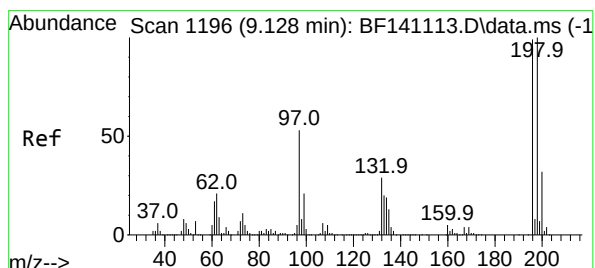
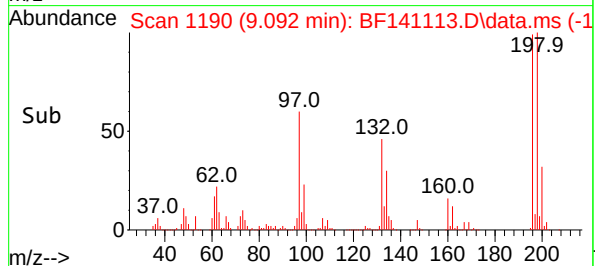
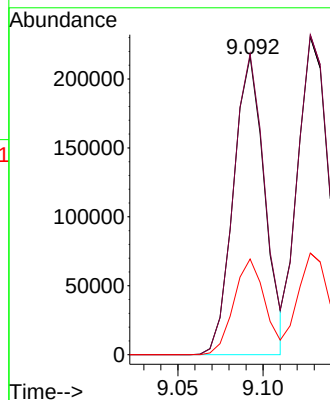
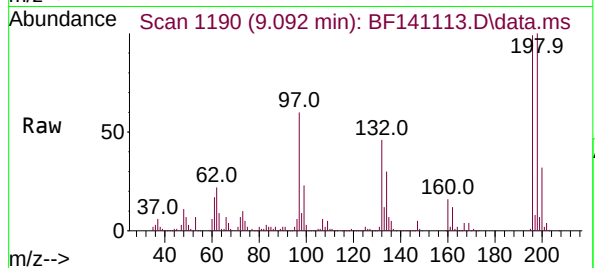
Tgt Ion:196 Resp: 276355

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

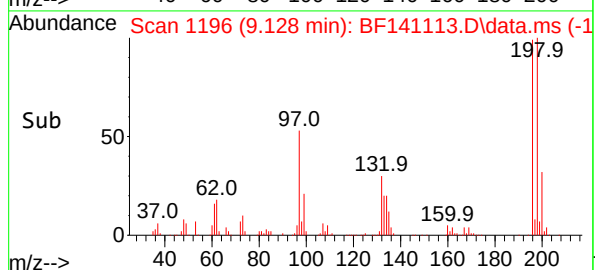
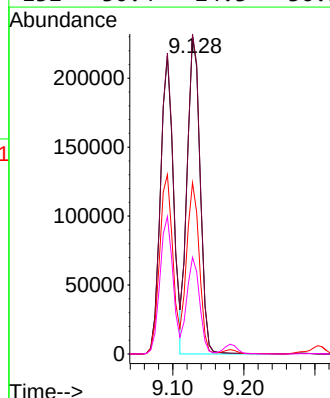
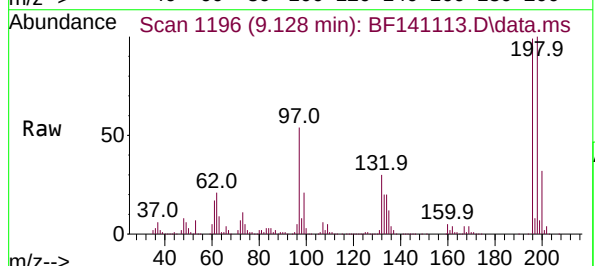
Ion Ratio Lower Upper

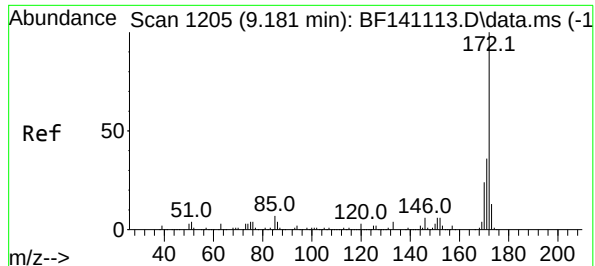
196 100

198 100.7 80.6 120.8

97 53.9 43.1 64.7

132 30.4 24.3 36.5

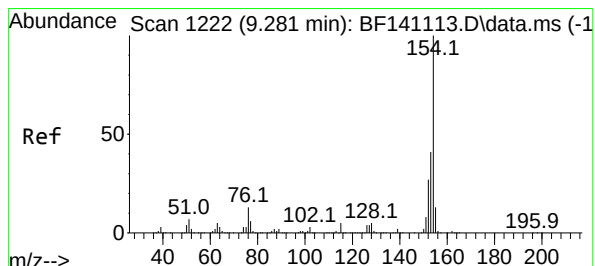
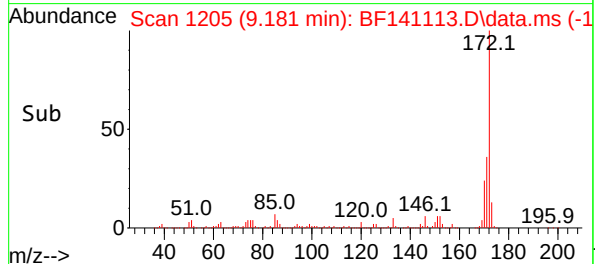
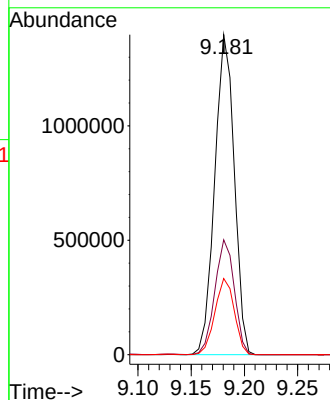
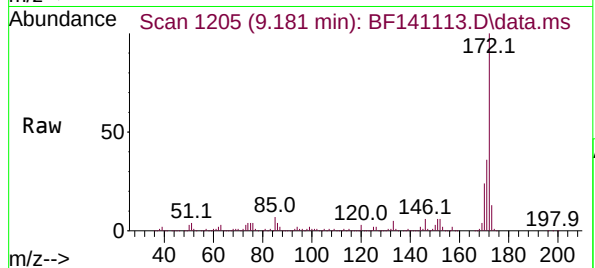




#45  
2-Fluorobiphenyl  
Concen: 74.817 ng  
RT: 9.181 min Scan# 1205  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

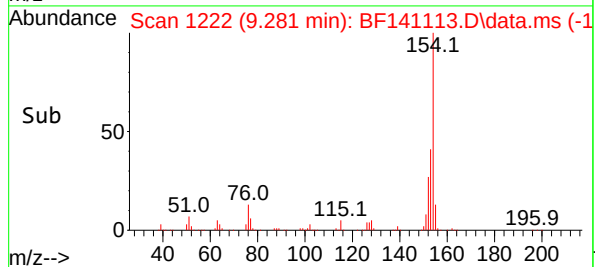
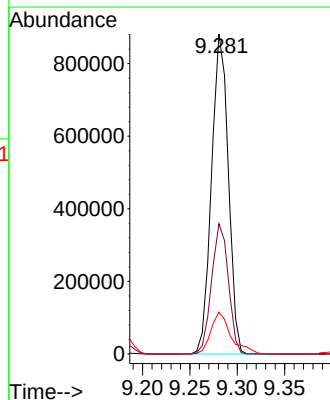
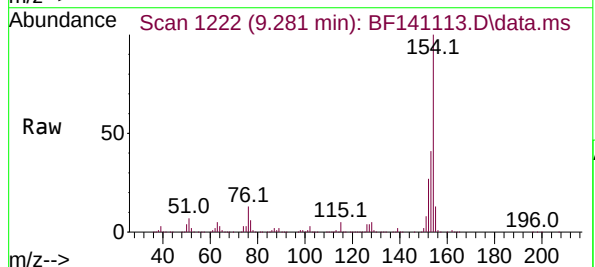
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

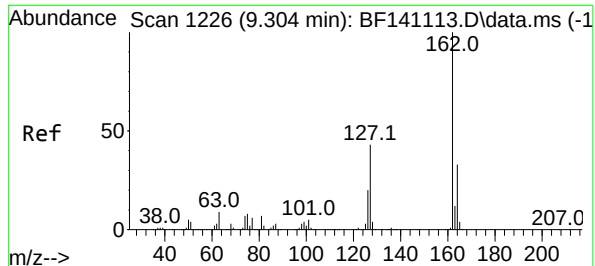
Tgt Ion:172 Resp: 1782936  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.7 43.1  
170 23.8 19.0 28.6



#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

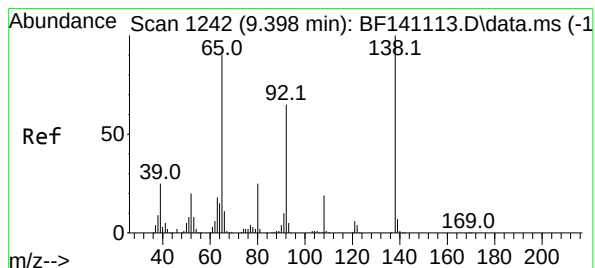
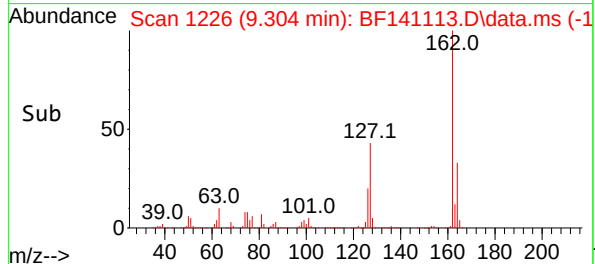
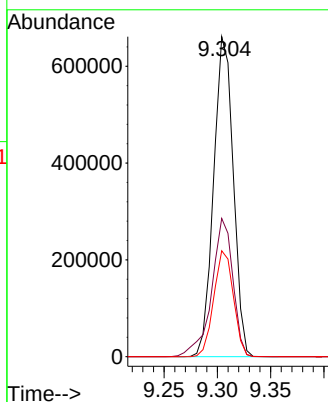
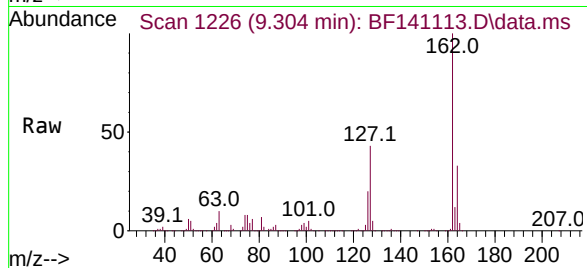




#47  
2-Chloronaphthalene  
Concen: 38.499 ng  
RT: 9.304 min Scan# 1226  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

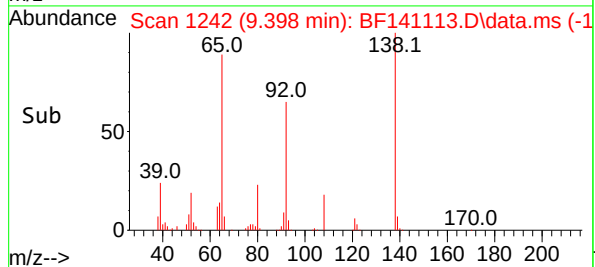
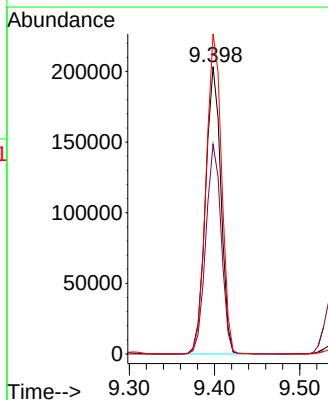
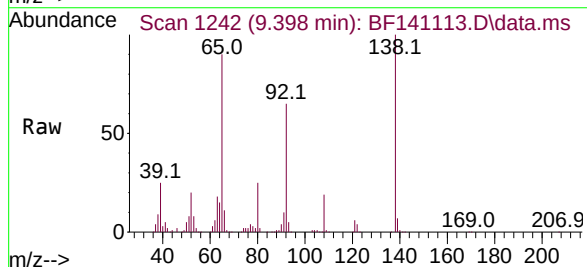
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

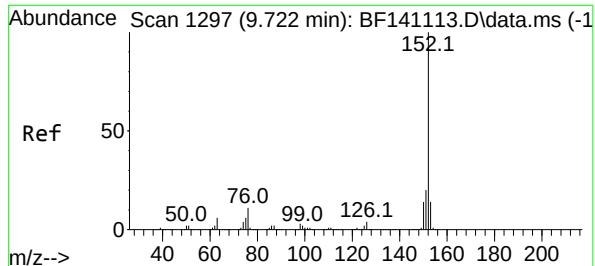
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 43.2  | 34.6  | 51.8  |
| 164     | 33.1  | 26.5  | 39.7  |



#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 | 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# 1297

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

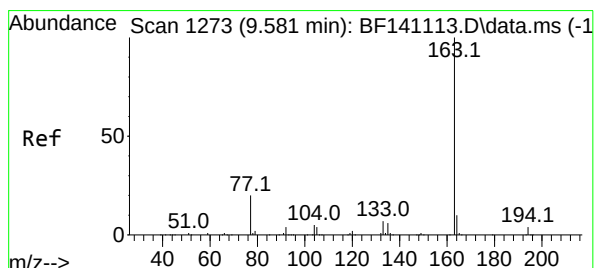
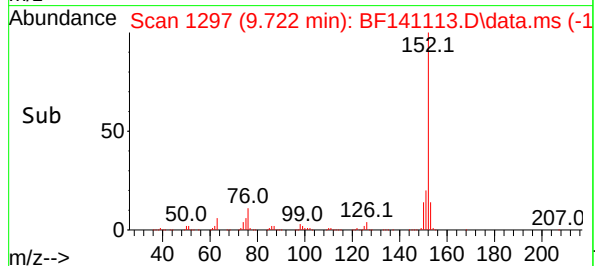
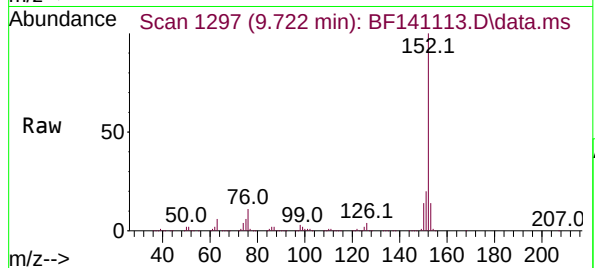
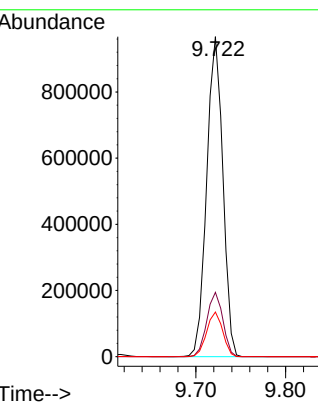
BNA\_F

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

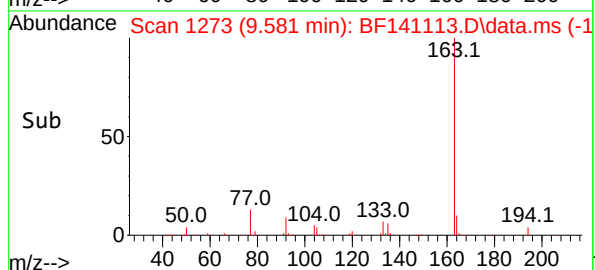
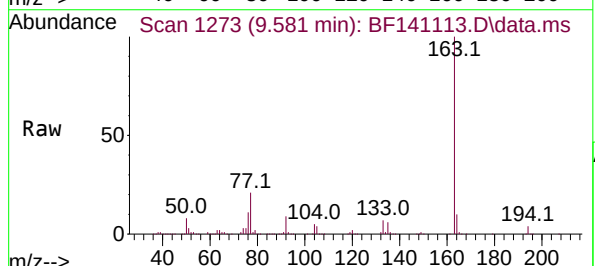
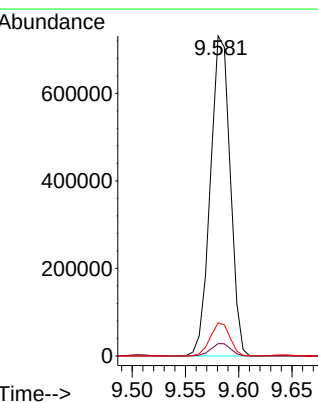
Delta R.T. 0.000 min

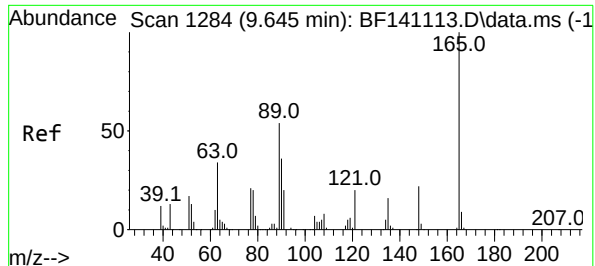
Lab File: BF141113.D

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# 1284

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

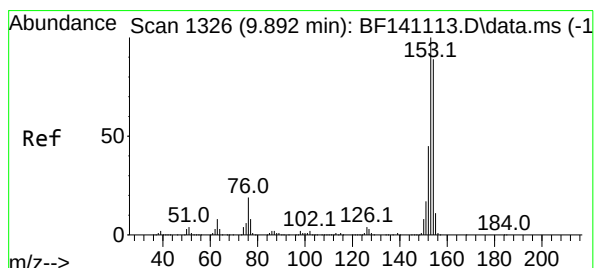
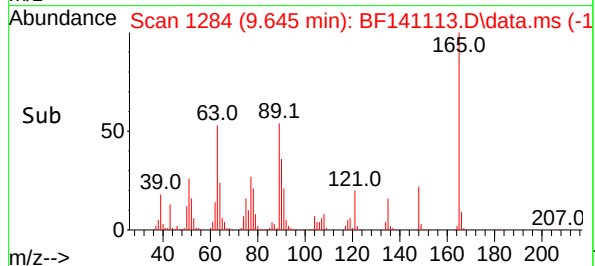
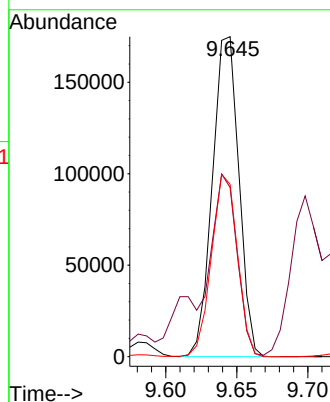
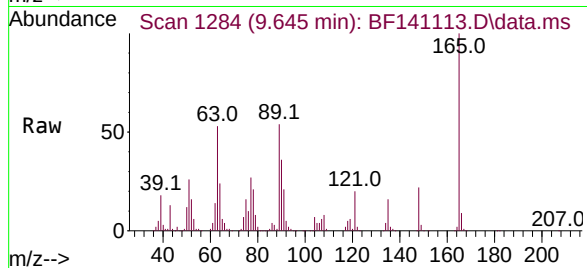
Tgt Ion:165 Resp: 226979

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

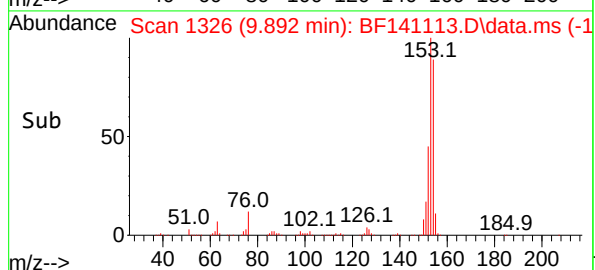
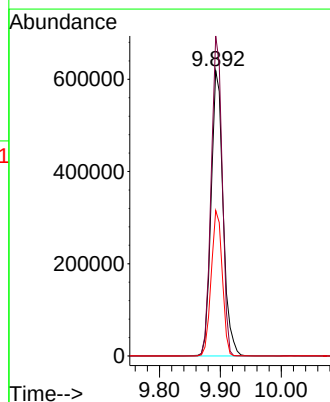
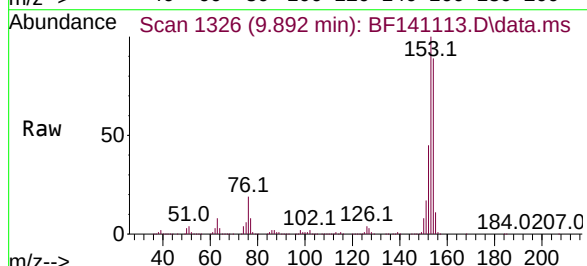
Tgt Ion:154 Resp: 847617

Ion Ratio Lower Upper

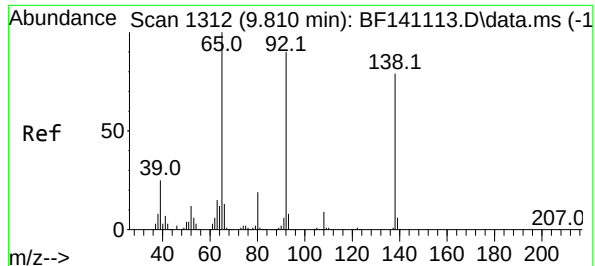
154 100

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# 1312

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

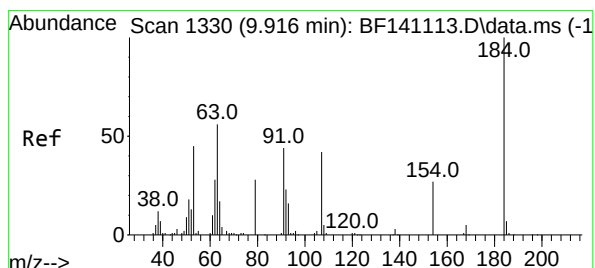
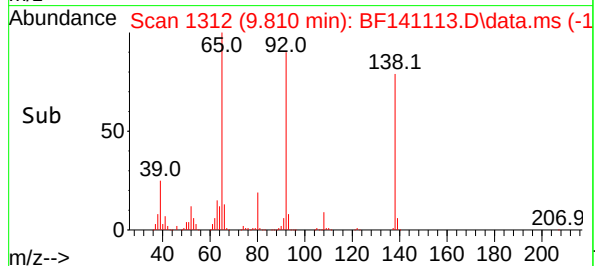
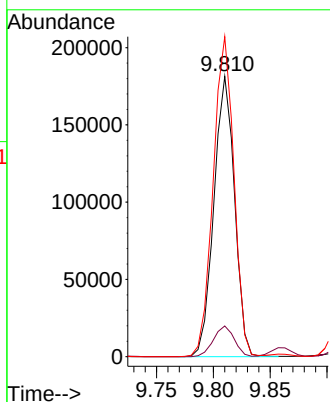
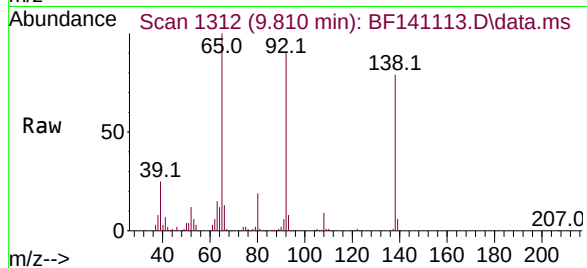
Tgt Ion:138 Resp: 229868

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

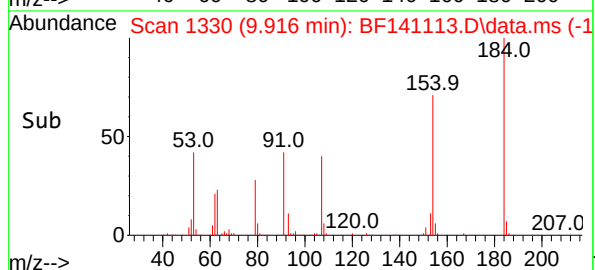
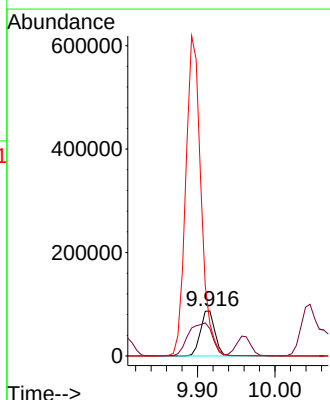
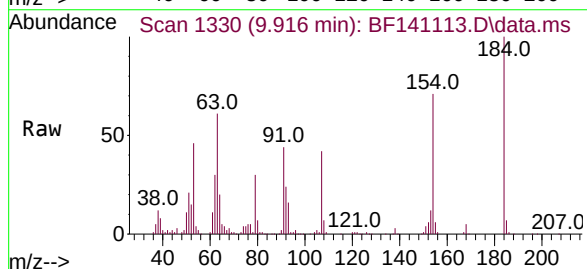
Tgt Ion:184 Resp: 113135

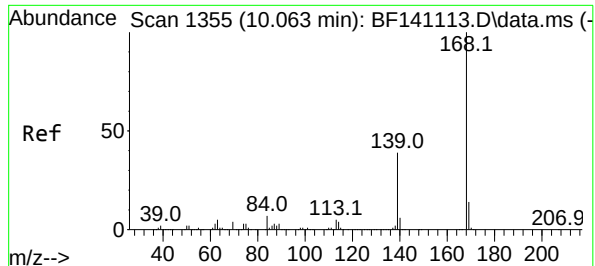
Ion Ratio Lower Upper

184 100

63 60.9 48.7 73.1

154 71.4 57.1 85.7





#55

Dibenzenofuran

Concen: 38.617 ng

RT: 10.063 min Scan# 1355

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

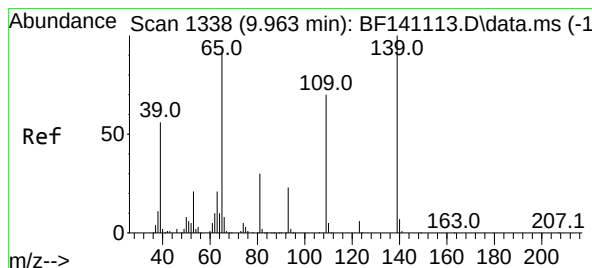
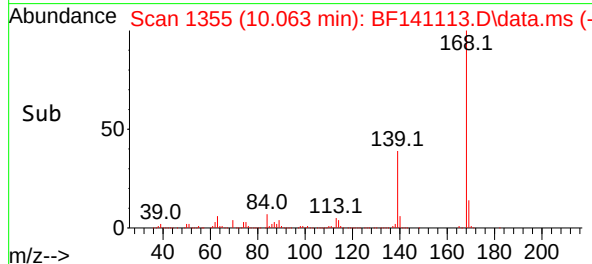
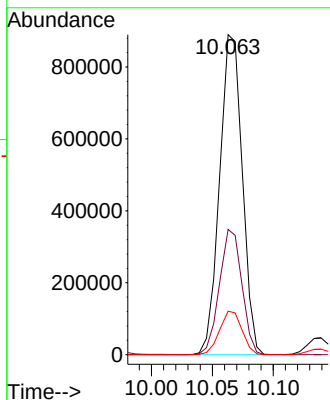
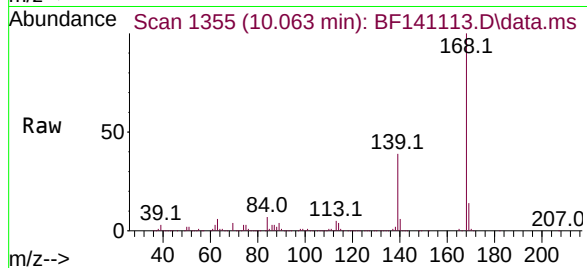
Tgt Ion:168 Resp: 1154072

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

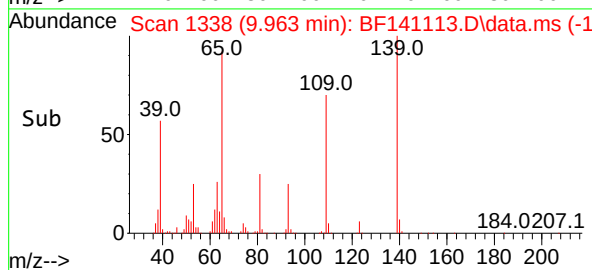
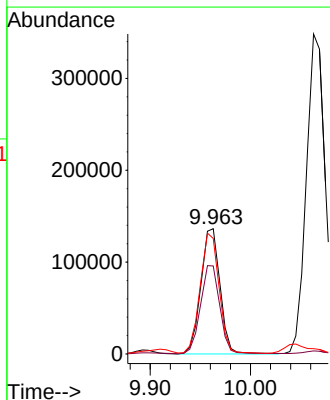
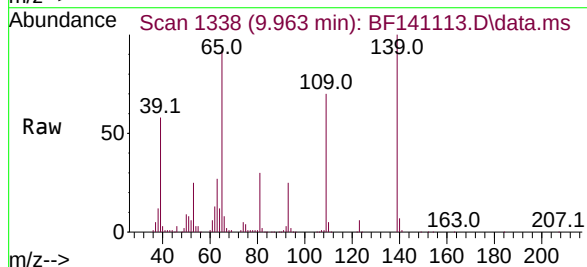
Tgt Ion:139 Resp: 181889

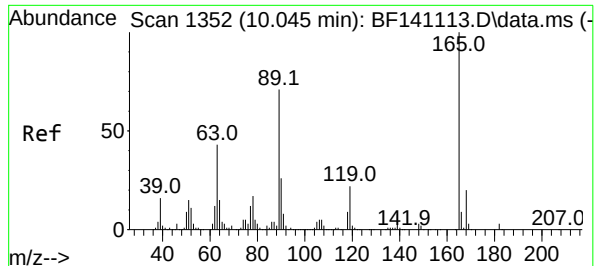
Ion Ratio Lower Upper

139 100

109 70.2 50.2 90.2

65 92.1 72.1 112.1

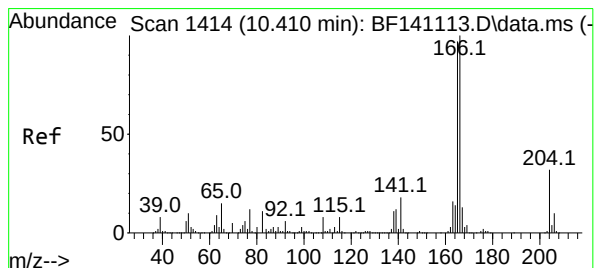
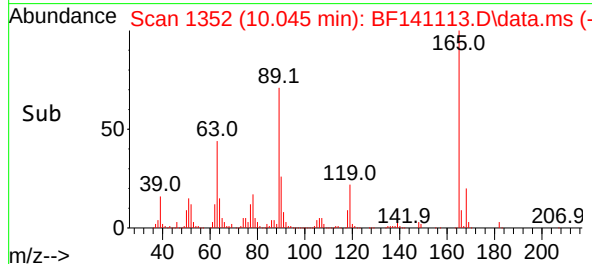
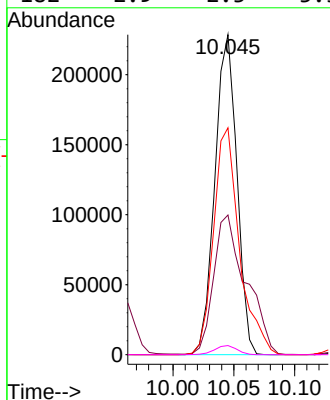
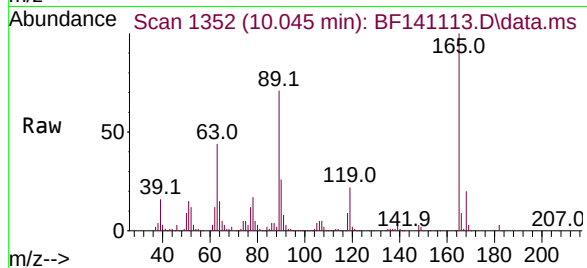




#57  
2,4-Dinitrotoluene  
Concen: 39.314 ng  
RT: 10.045 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

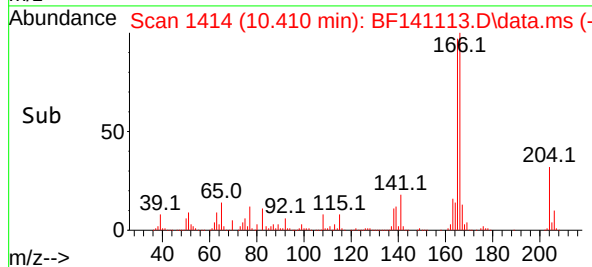
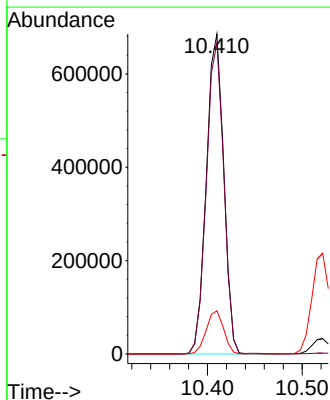
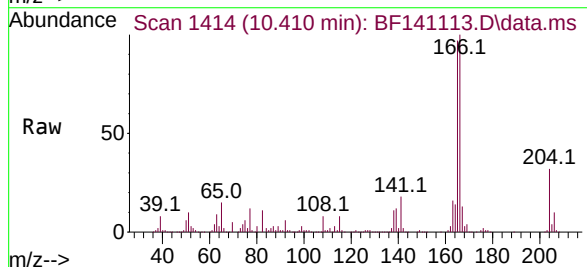
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

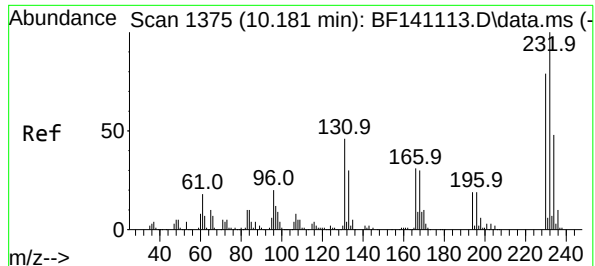
Tgt Ion:165 Resp: 287835  
Ion Ratio Lower Upper  
165 100  
63 43.7 35.0 52.4  
89 70.9 56.7 85.1  
182 2.9 2.3 3.5



#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

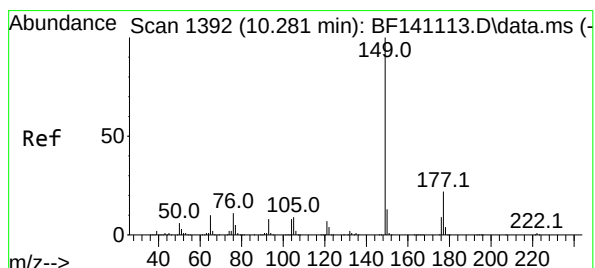
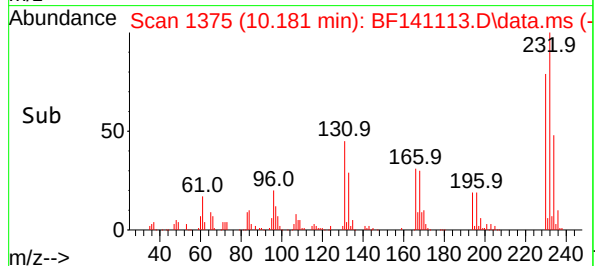
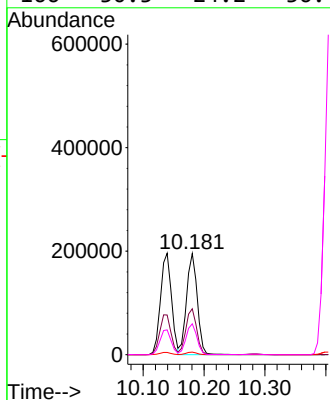
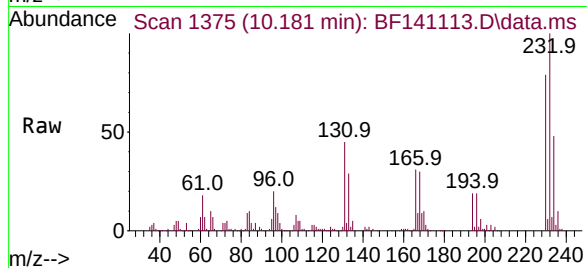




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 39.022 ng  
RT: 10.181 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

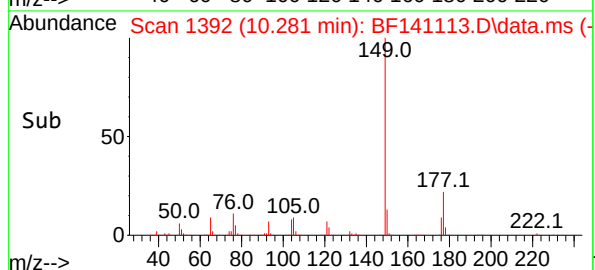
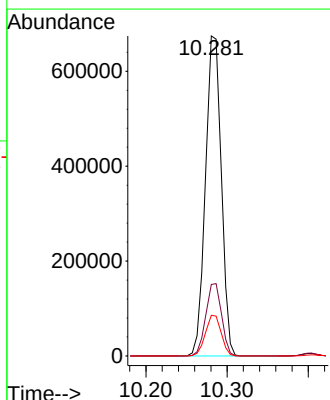
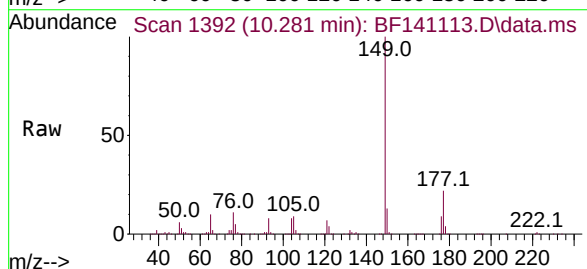
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

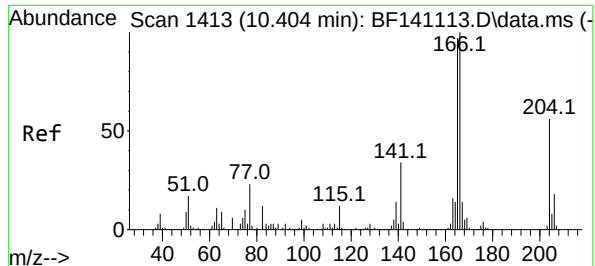
Tgt Ion:232 Resp: 241313  
Ion Ratio Lower Upper  
232 100  
131 45.3 36.2 54.4  
130 2.5 2.0 3.0  
166 30.3 24.2 36.4



#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

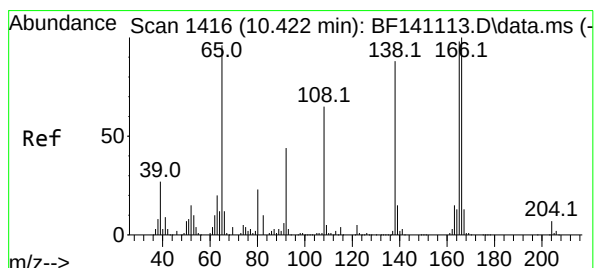
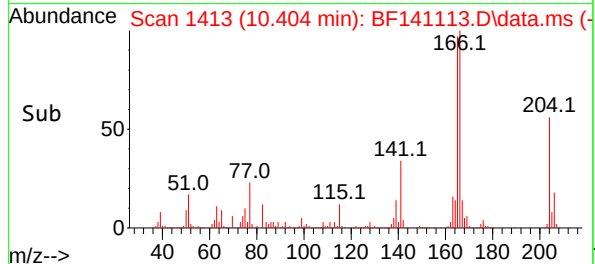
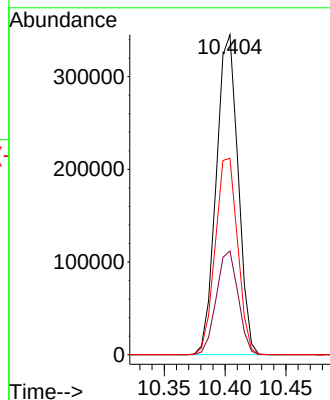
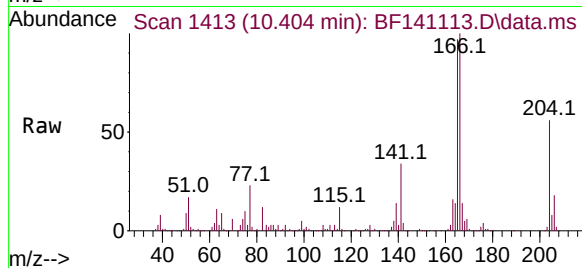




#61  
4-Chlorophenyl-phenylether  
Concen: 38.175 ng  
RT: 10.404 min Scan# 1413  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

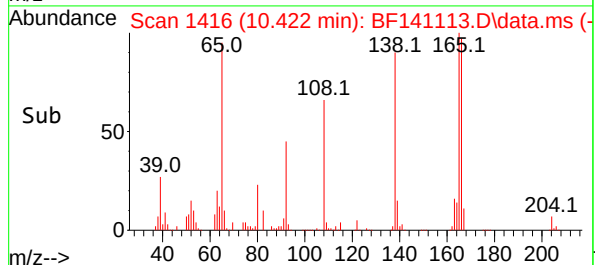
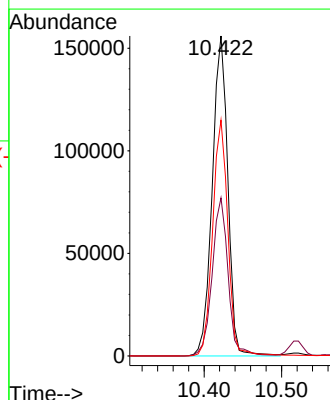
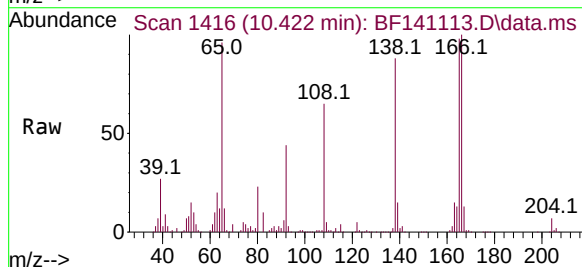
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

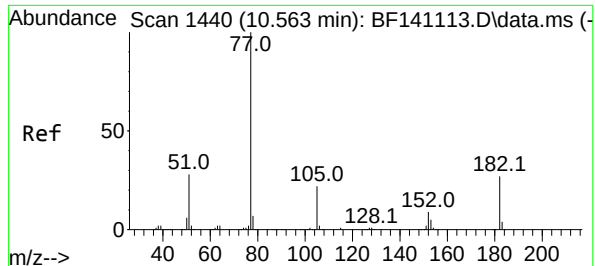
Tgt Ion:204 Resp: 431993  
Ion Ratio Lower Upper  
204 100  
206 32.4 25.9 38.9  
141 61.4 49.1 73.7



#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

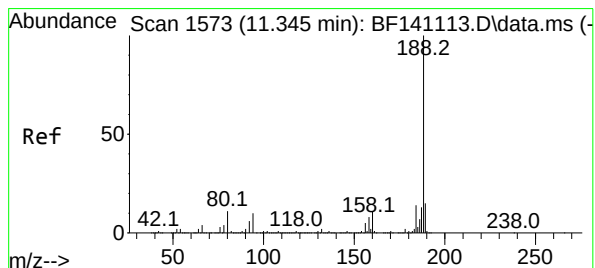
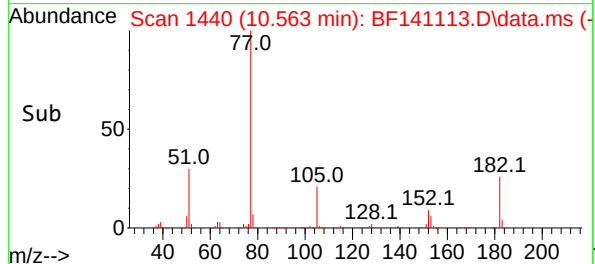
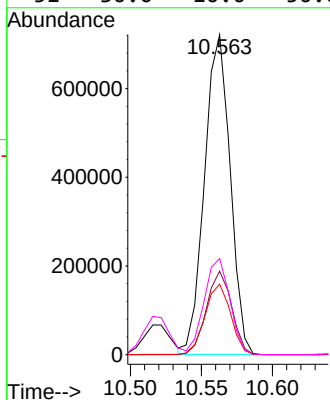
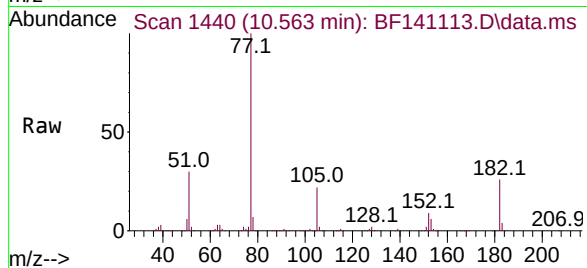




#63  
Azobenzene  
Concen: 38.497 ng  
RT: 10.563 min Scan# 1440  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

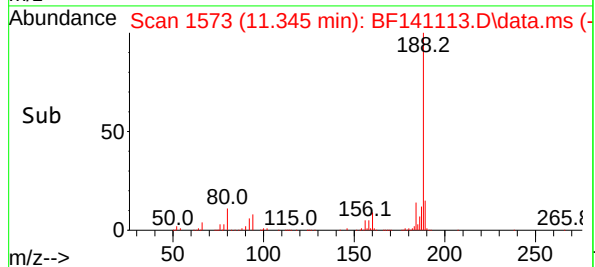
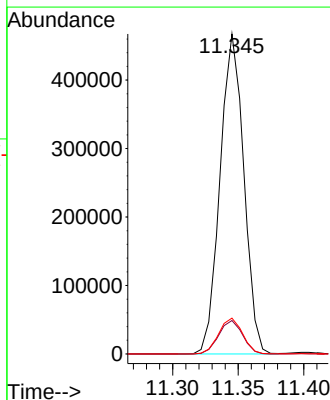
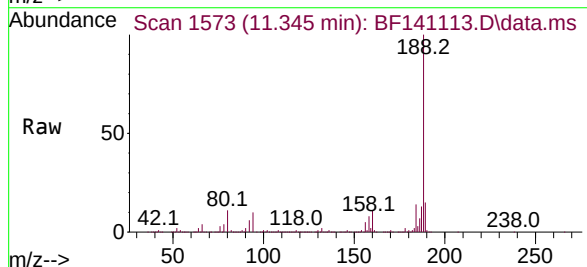
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

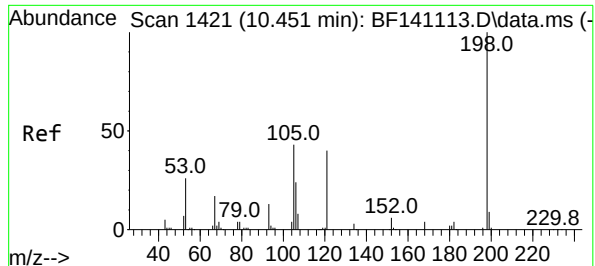
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 905963 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 26.1  | 6.1   | 46.1   |
| 105      | 22.1  | 2.1   | 42.1   |
| 51       | 30.0  | 10.0  | 50.0   |



#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   |

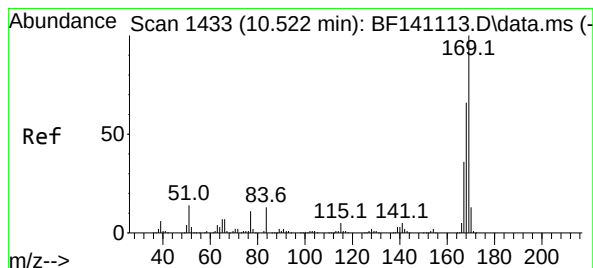
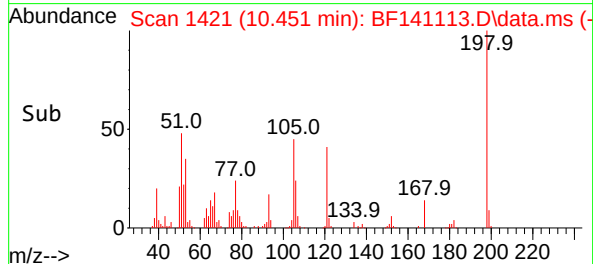
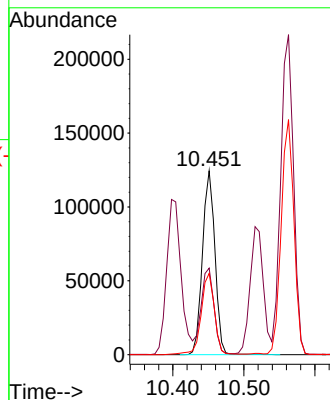
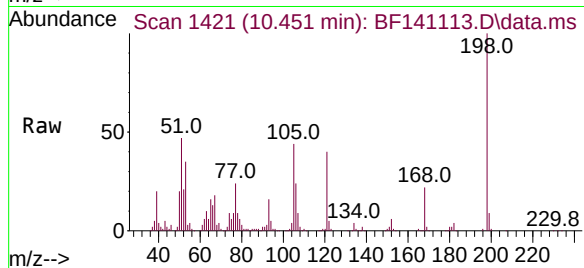




#65  
4,6-Dinitro-2-methylphenol  
Concen: 44.665 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

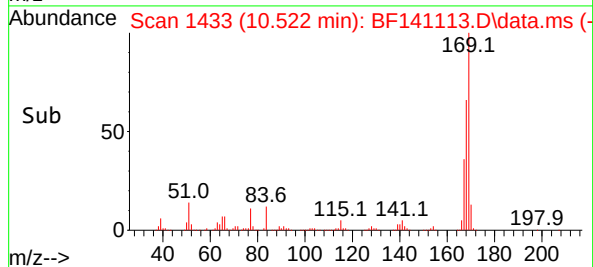
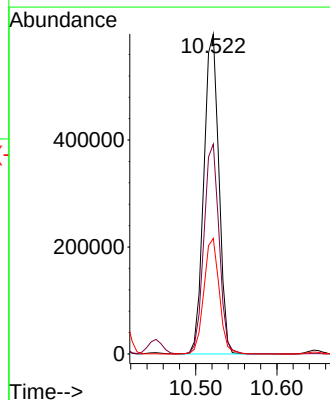
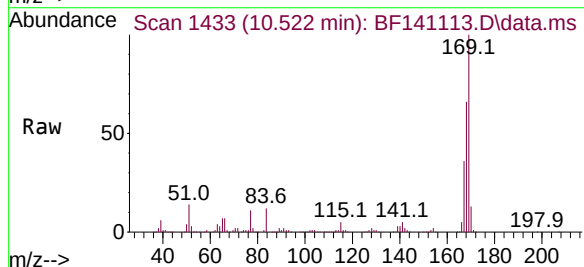
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

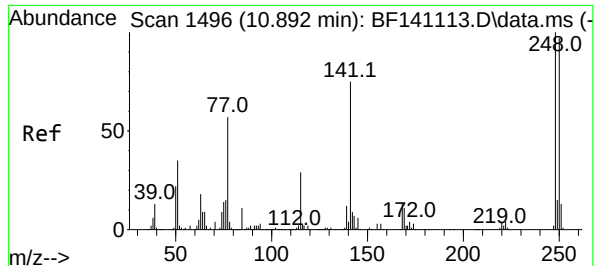
Tgt Ion:198 Resp: 152510  
Ion Ratio Lower Upper  
198 100  
51 47.1 27.1 67.1  
105 44.2 24.2 64.2



#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

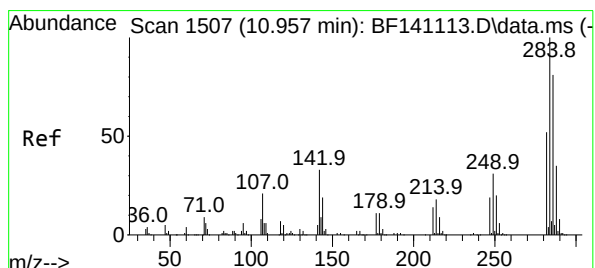
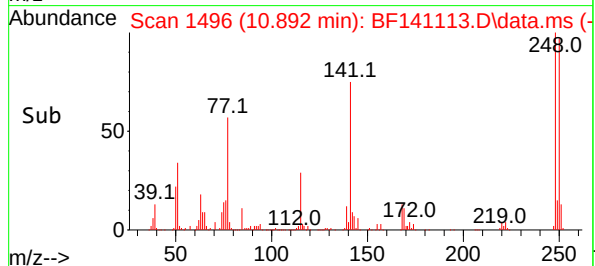
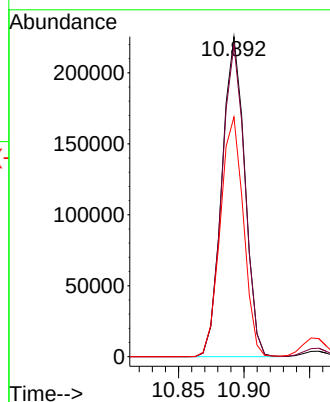
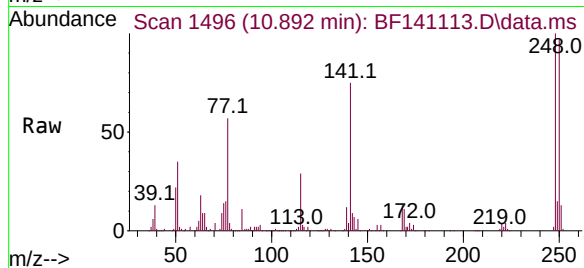




#67  
4-Bromophenyl-phenylether  
Concen: 40.247 ng  
RT: 10.892 min Scan# 1496  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

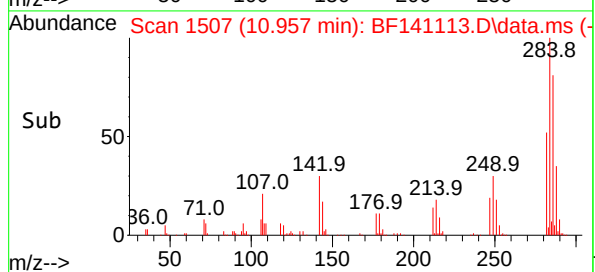
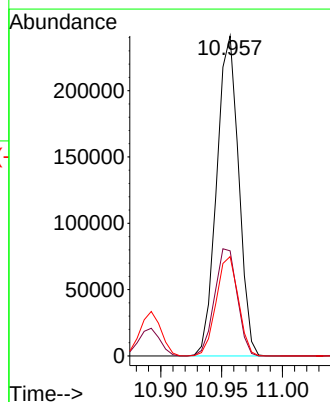
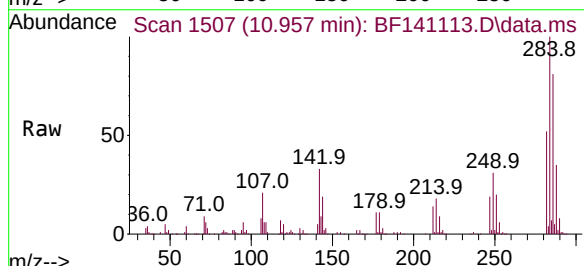
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

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

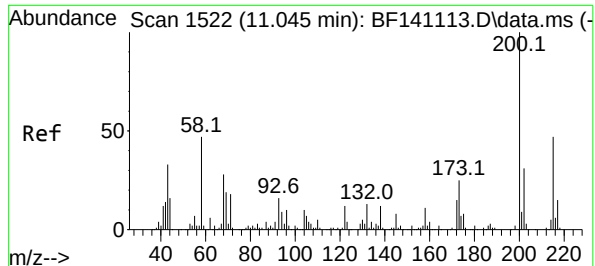


#68  
Hexachlorobenzene  
Concen: 40.165 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

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# 1522

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

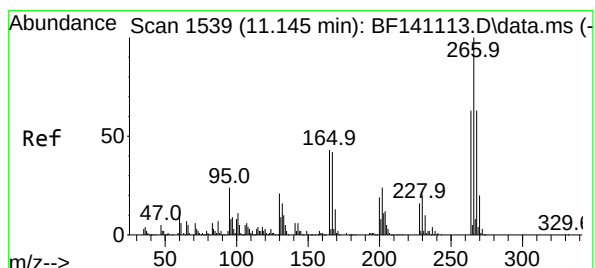
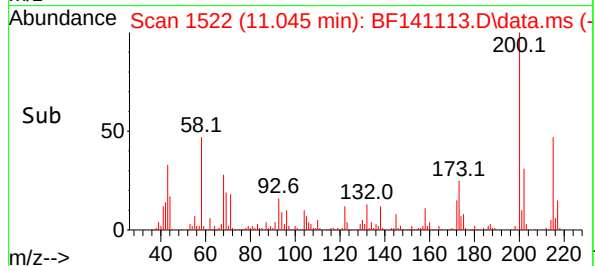
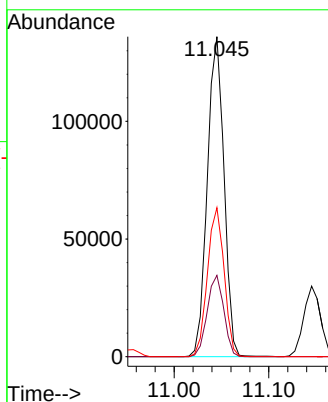
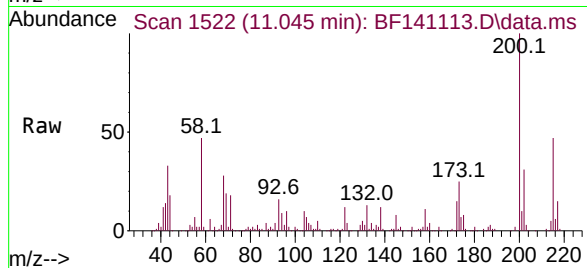
Tgt Ion:200 Resp: 166125

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

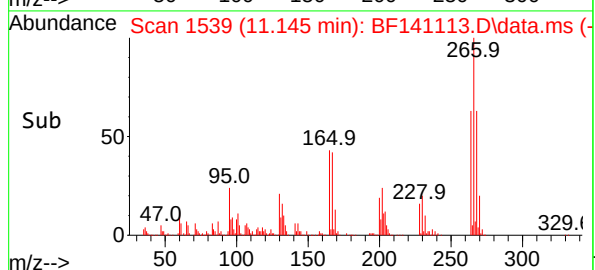
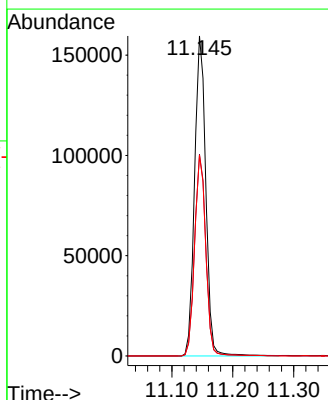
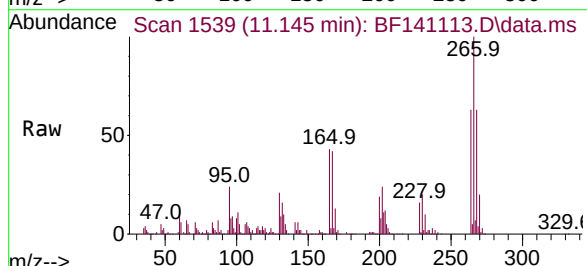
Tgt Ion:266 Resp: 204286

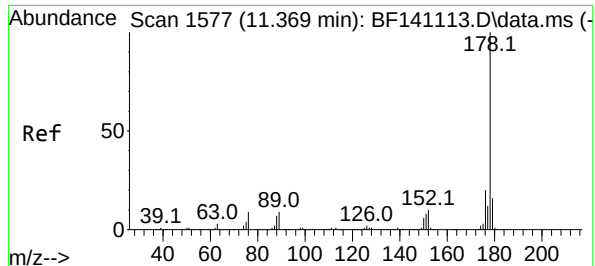
Ion Ratio Lower Upper

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# 1577

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

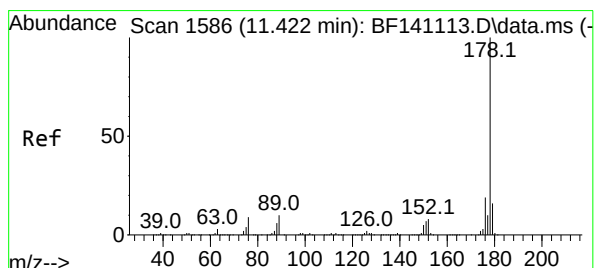
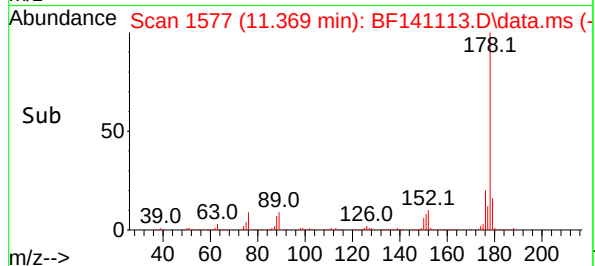
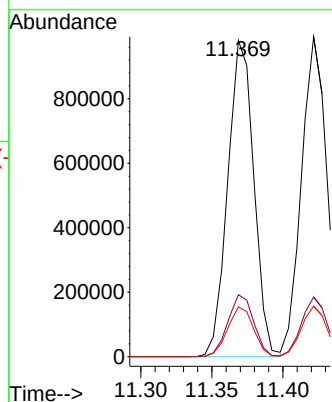
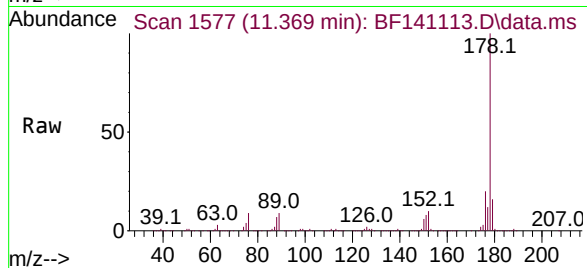
Tgt Ion:178 Resp: 1254420

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

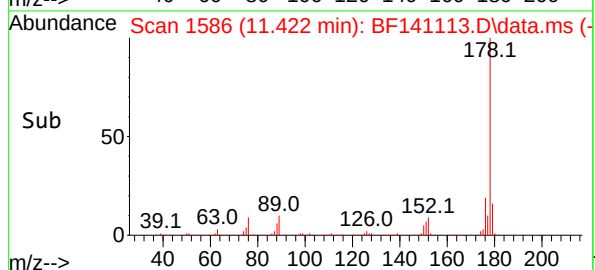
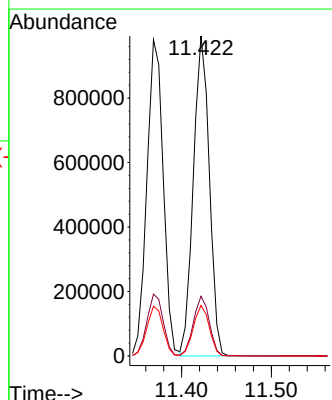
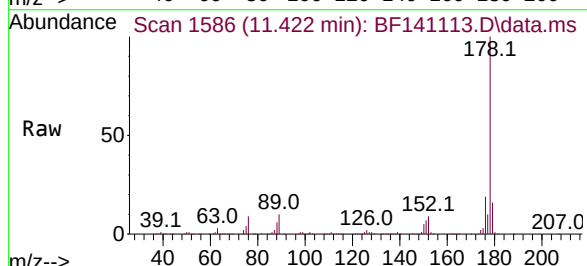
Tgt Ion:178 Resp: 1227926

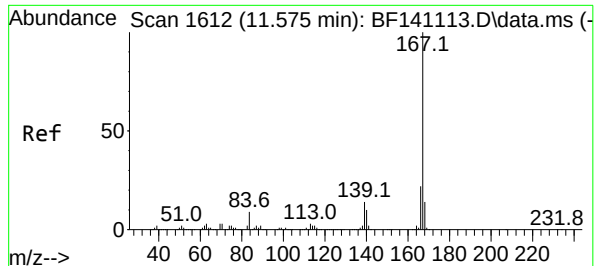
Ion Ratio Lower Upper

178 100

176 18.6 14.9 22.3

179 15.8 12.6 19.0

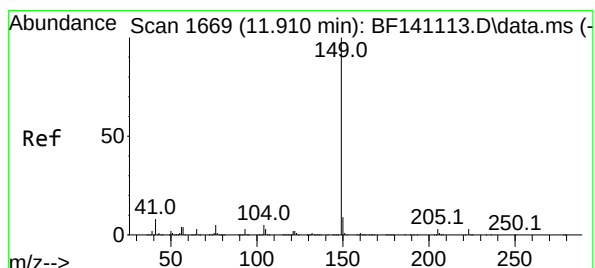
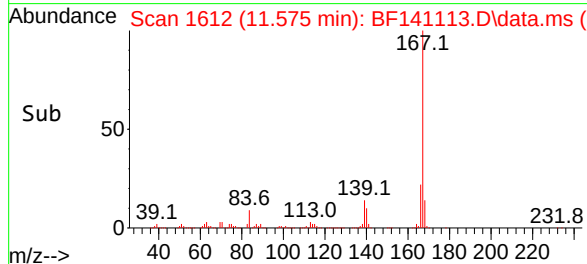
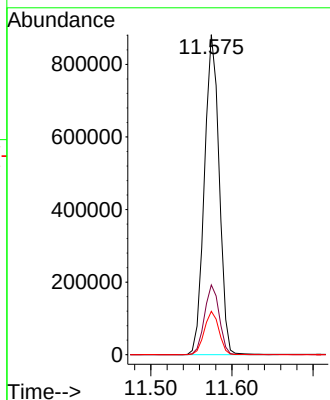
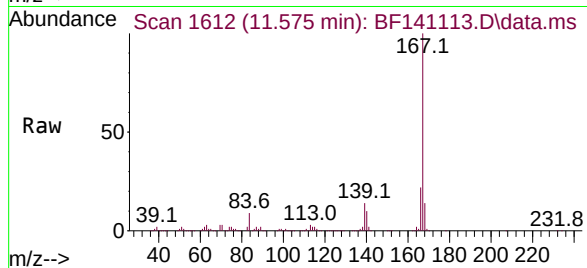




#73  
Carbazole  
Concen: 39.450 ng  
RT: 11.575 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

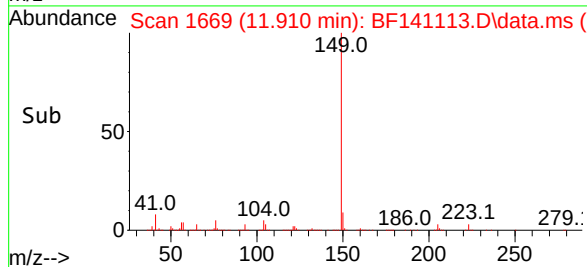
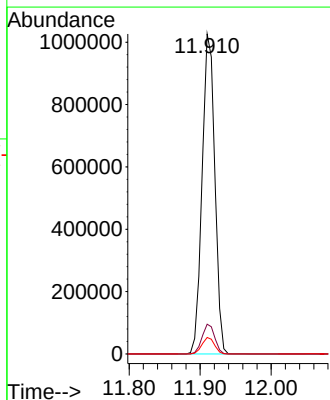
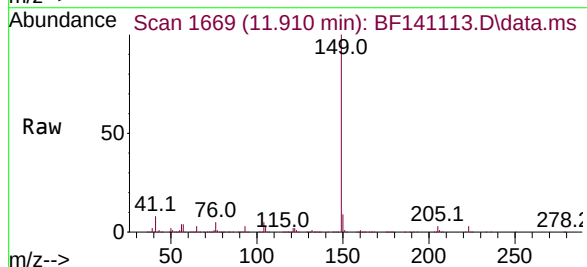
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

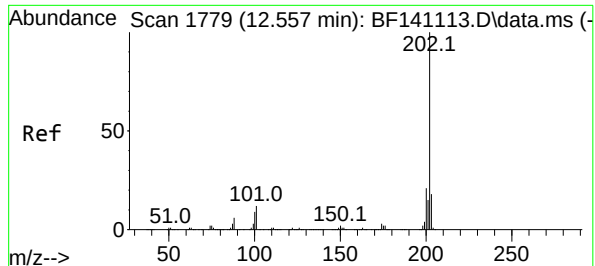
Tgt Ion:167 Resp: 1112672  
Ion Ratio Lower Upper  
167 100  
166 21.8 17.4 26.2  
139 13.6 10.9 16.3



#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

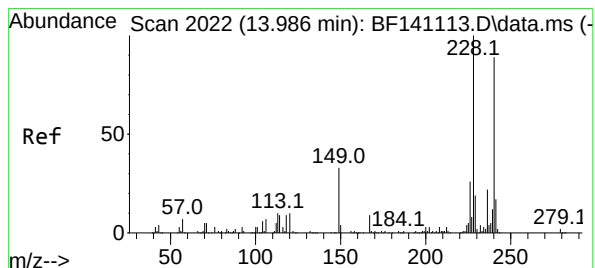
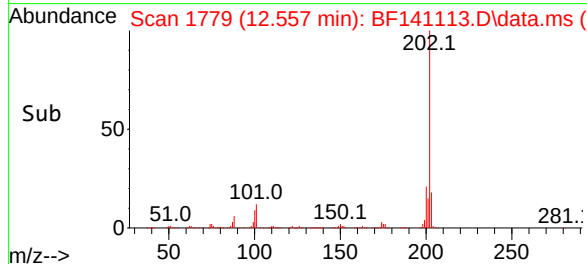
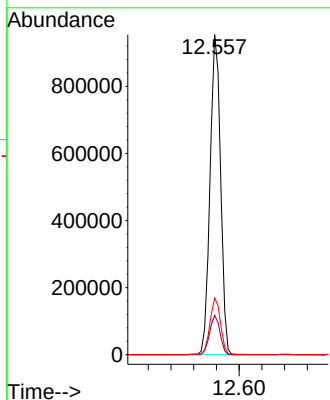
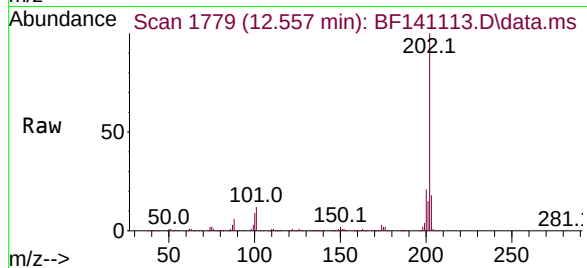




#75  
Fluoranthene  
Concen: 38.718 ng  
RT: 12.557 min Scan# 1779  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

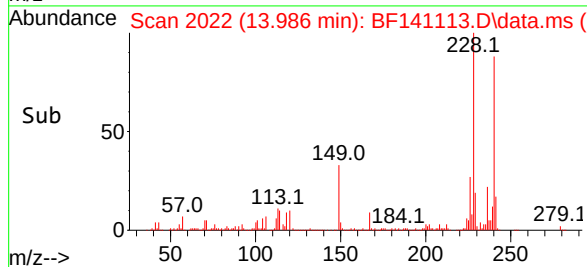
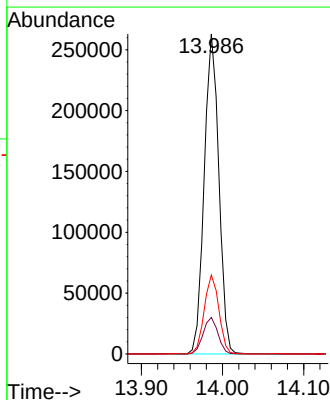
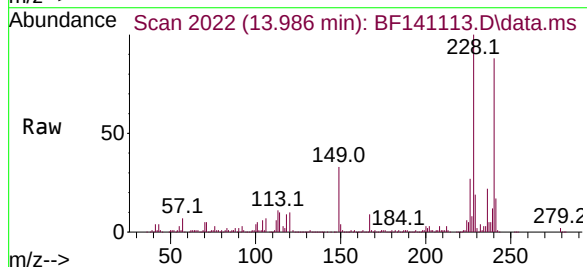
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

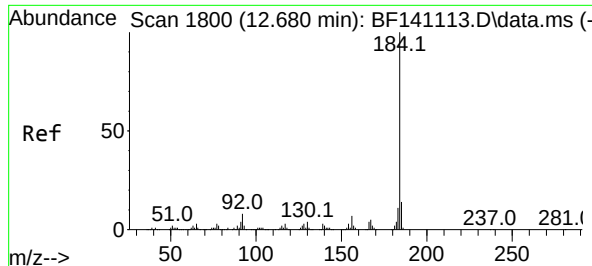
Tgt Ion:202 Resp: 1222253  
Ion Ratio Lower Upper  
202 100  
101 12.3 0.0 32.3  
203 17.7 0.0 37.7



#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

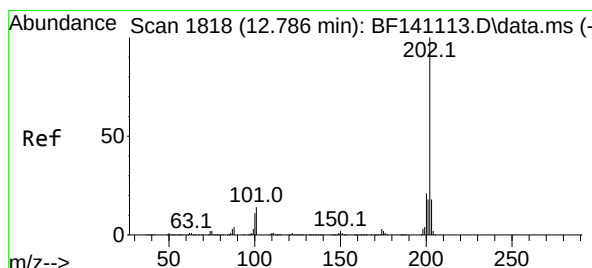
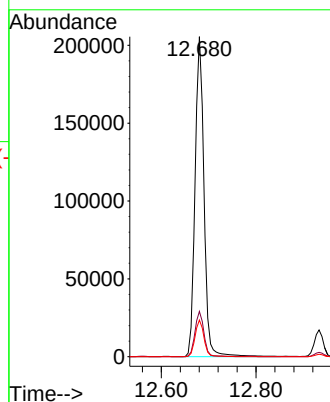
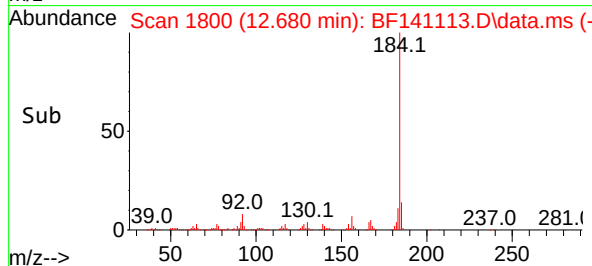
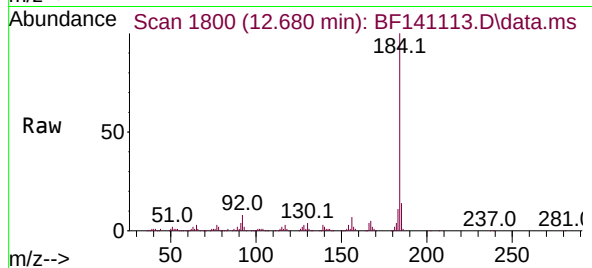




#77  
Benzidine  
Concen: 44.102 ng  
RT: 12.680 min Scan# 1800  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

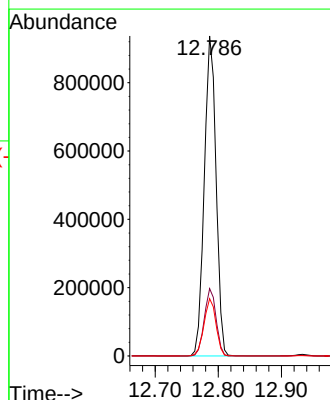
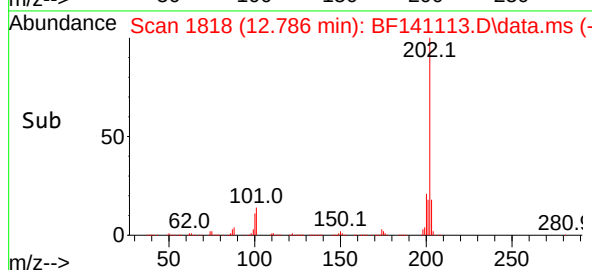
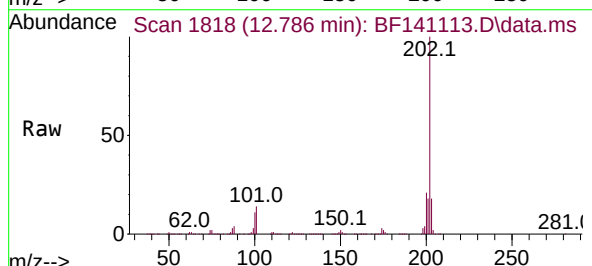
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

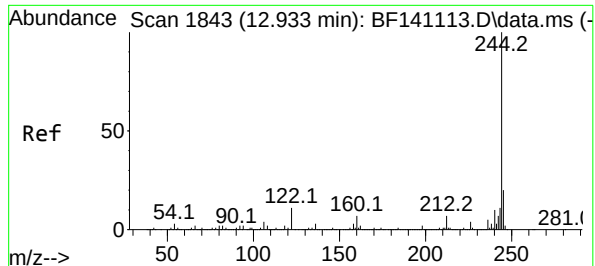
Tgt Ion:184 Resp: 268331  
Ion Ratio Lower Upper  
184 100  
185 14.2 11.4 17.0  
183 11.5 9.2 13.8



#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# 1843

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

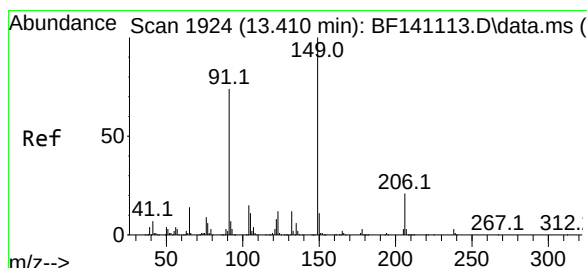
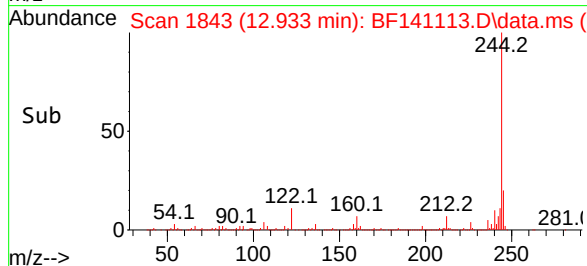
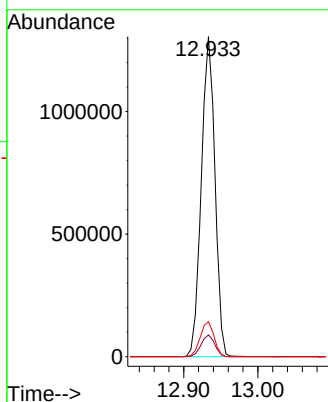
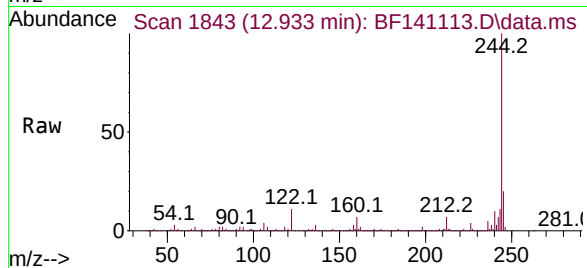
Tgt Ion:244 Resp: 1669190

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

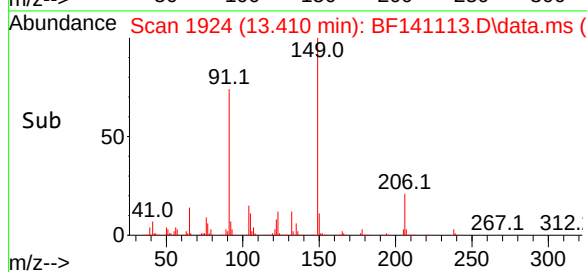
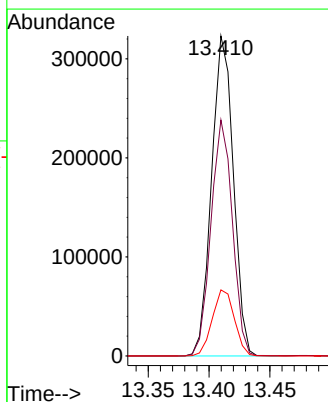
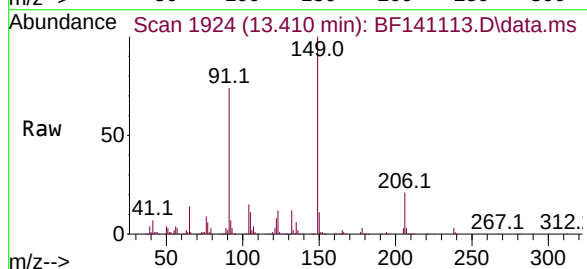
Tgt Ion:149 Resp: 403087

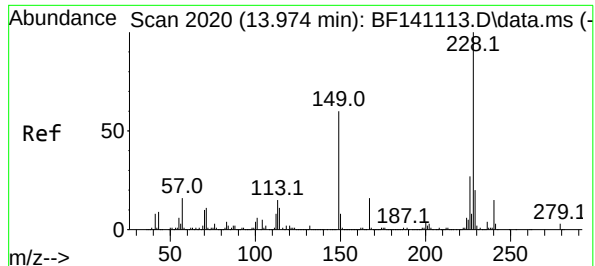
Ion Ratio Lower Upper

149 100

91 73.8 59.0 88.6

206 20.6 16.5 24.7

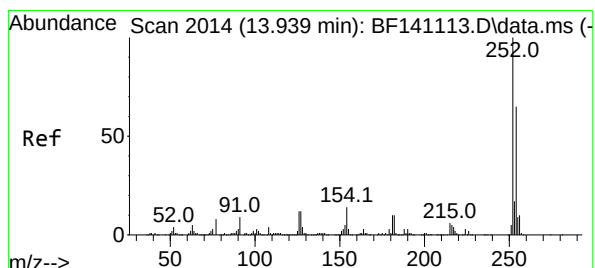
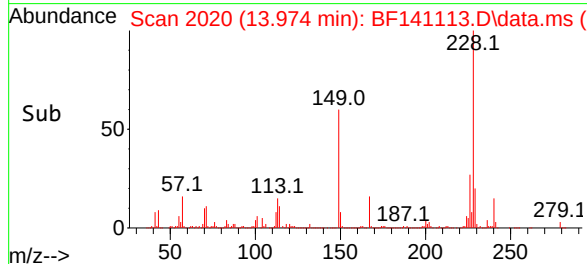
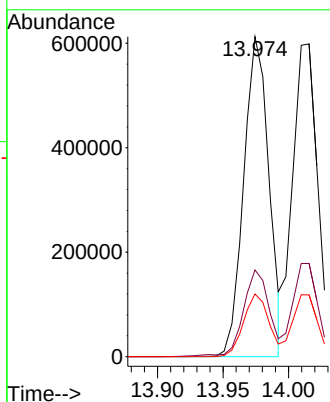
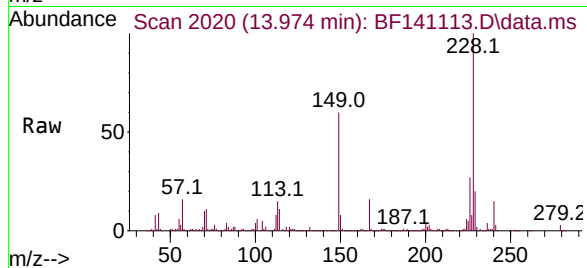




#81  
Benzo(a)anthracene  
Concen: 36.599 ng  
RT: 13.974 min Scan# 2014  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

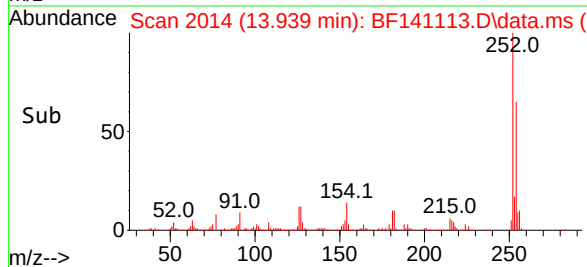
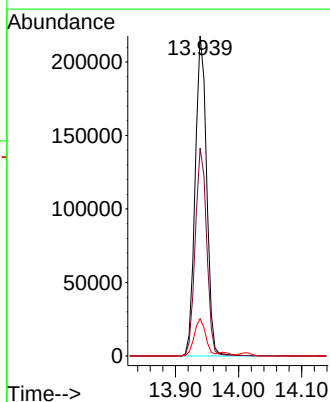
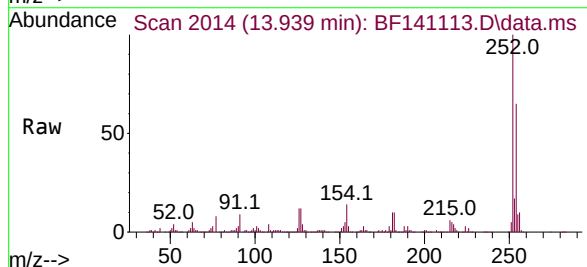
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

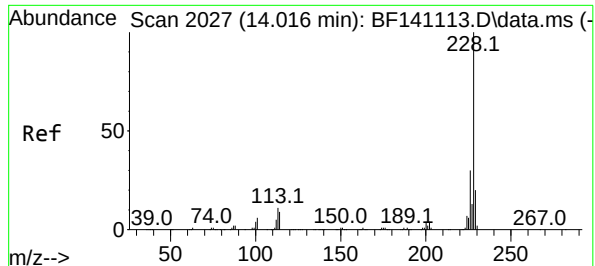
Tgt Ion:228 Resp: 817209  
Ion Ratio Lower Upper  
228 100  
226 27.1 21.7 32.5  
229 19.6 15.7 23.5



#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

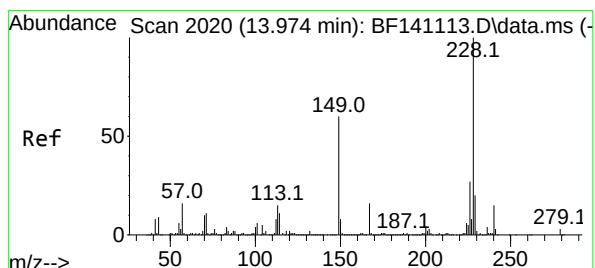
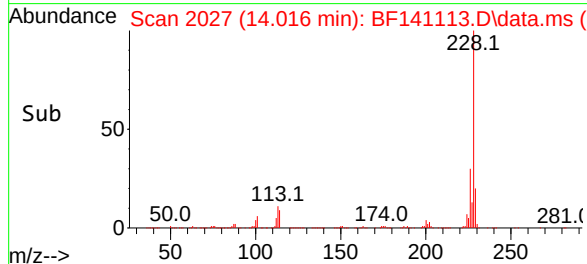
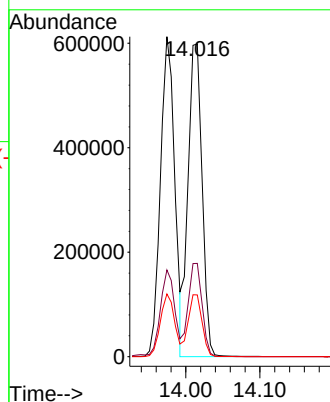
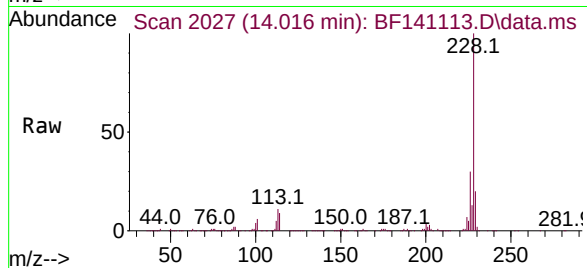




#83  
Chrysene  
Concen: 37.894 ng  
RT: 14.016 min Scan# 2027  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

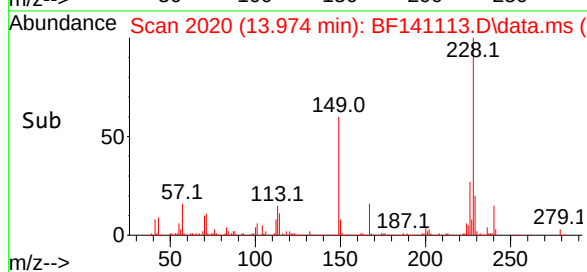
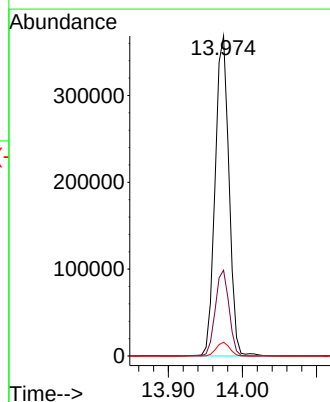
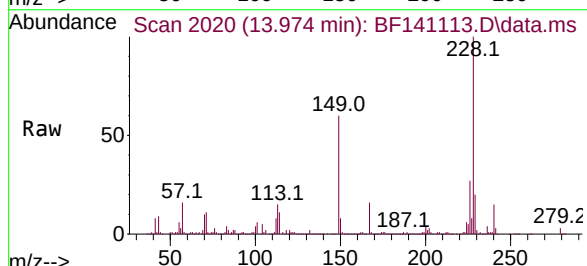
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

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

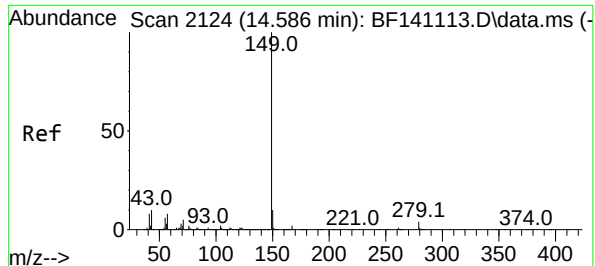


#84  
Bis(2-ethylhexyl)phthalate  
Concen: 38.010 ng  
RT: 13.974 min Scan# 2020  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

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



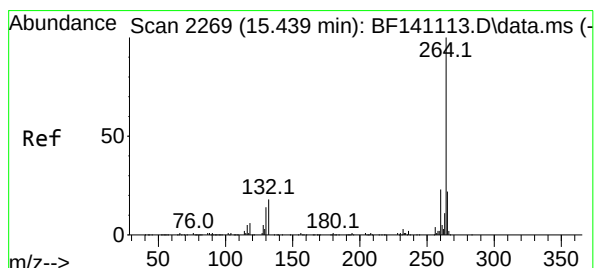
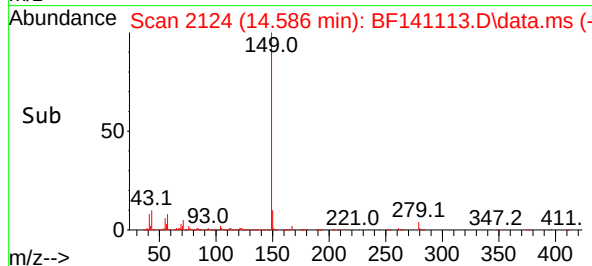
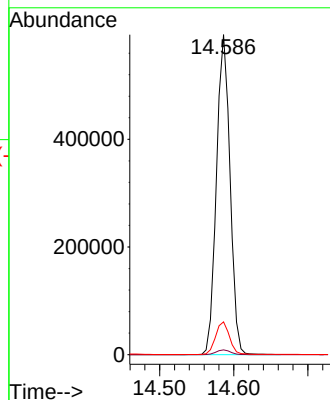
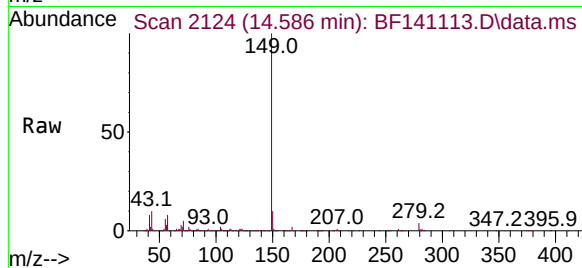




#85  
Di-n-octyl phthalate  
Concen: 39.906 ng  
RT: 14.586 min Scan# 2124  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

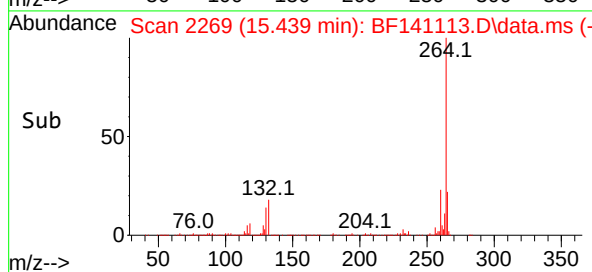
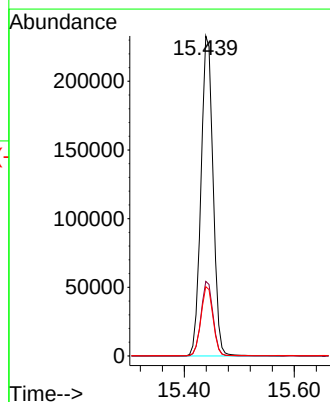
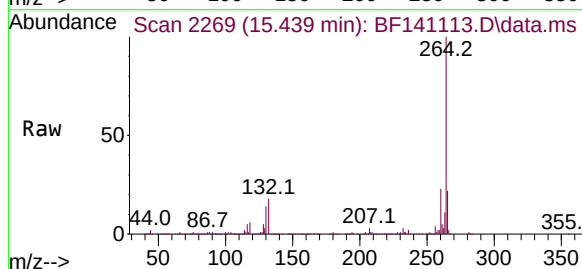
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

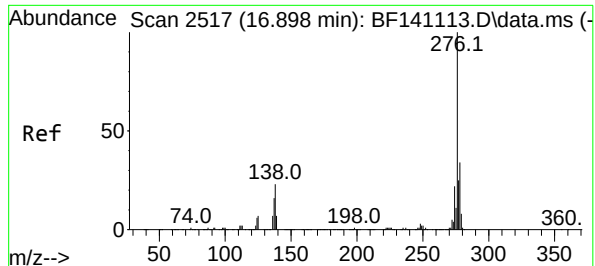
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.6   | 1.3   | 1.9   |
| 43      | 10.5  | 8.4   | 12.6  |



#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 | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 18.6  | 28.0  |
| 265     | 21.7  | 17.4  | 26.0  |

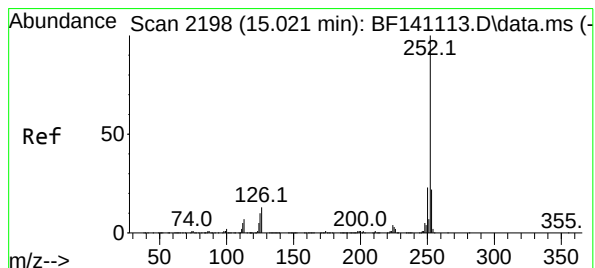
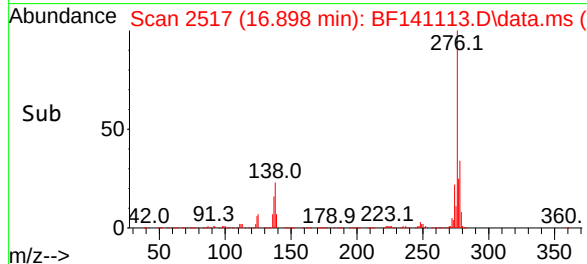
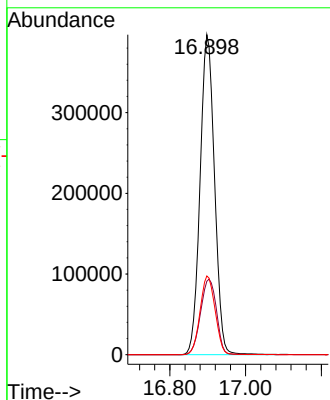
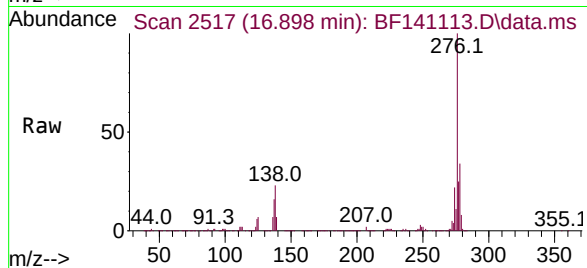




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 40.183 ng  
RT: 16.898 min Scan# 2198  
Delta R.T. 0.000 min  
Lab File: BF141113.D  
Acq: 10 Jan 2025 14:36

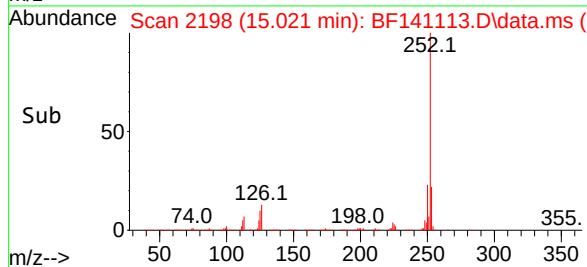
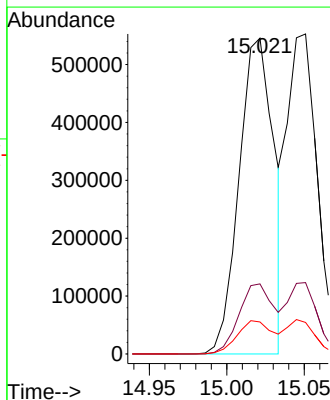
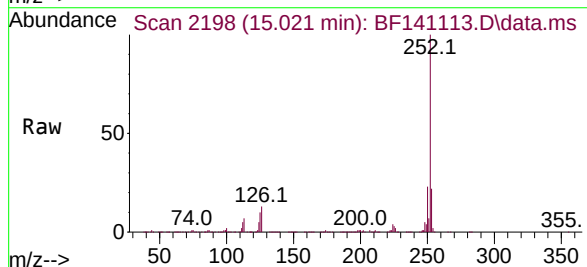
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICCC040

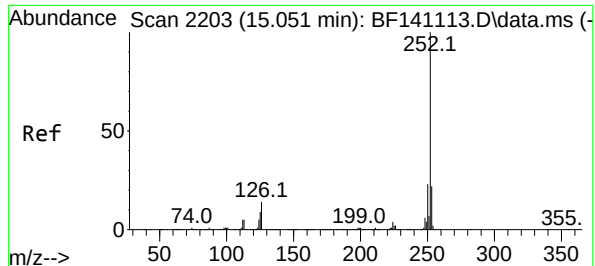
Tgt Ion:276 Resp: 1049124  
Ion Ratio Lower Upper  
276 100  
138 25.9 20.7 31.1  
277 25.7 20.6 30.8



#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# 2203

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

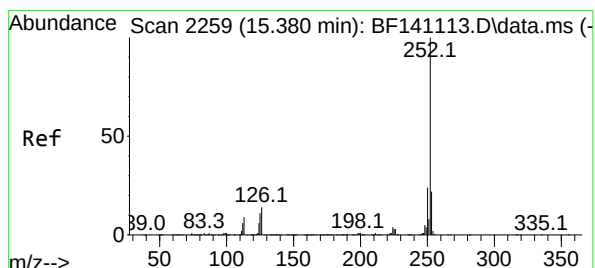
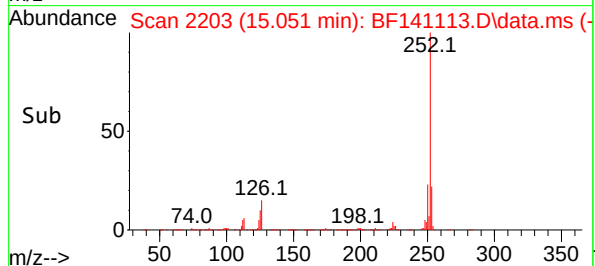
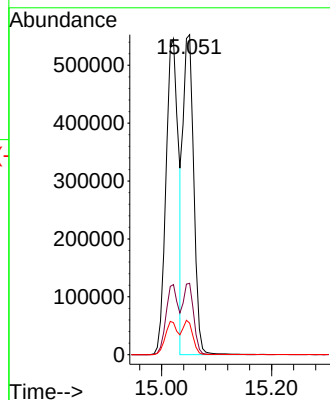
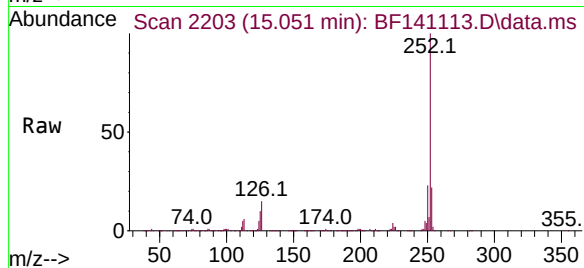
Tgt Ion:252 Resp: 743248

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

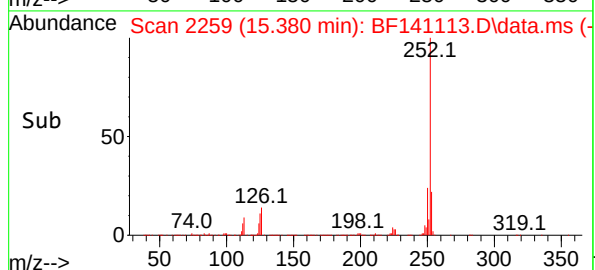
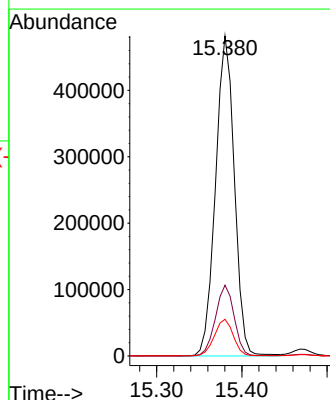
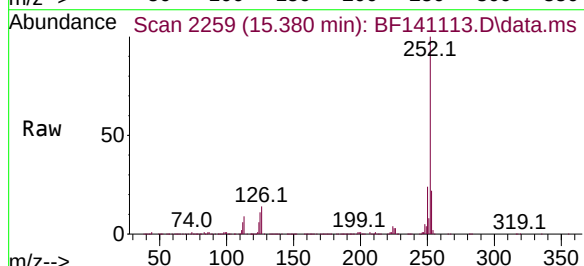
Tgt Ion:252 Resp: 740229

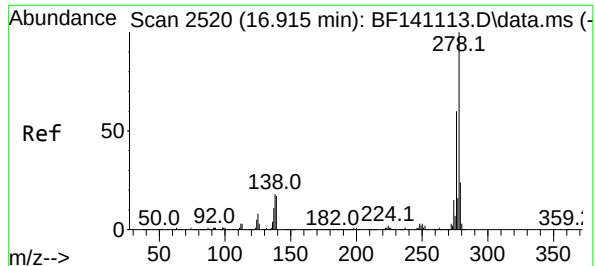
Ion Ratio Lower Upper

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# 2520

Delta R.T. 0.000 min

Lab File: BF141113.D

Acq: 10 Jan 2025 14:36

Instrument :

BNA\_F

ClientSampleId :

SSTDICCC040

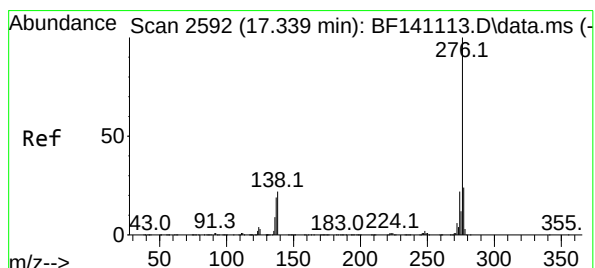
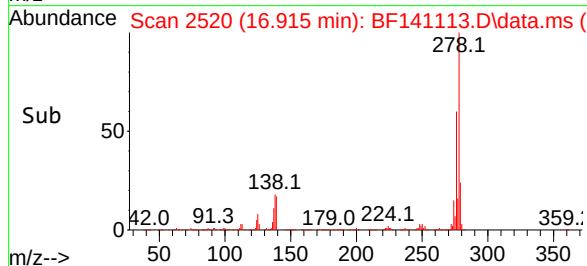
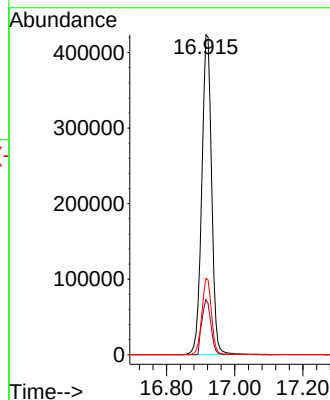
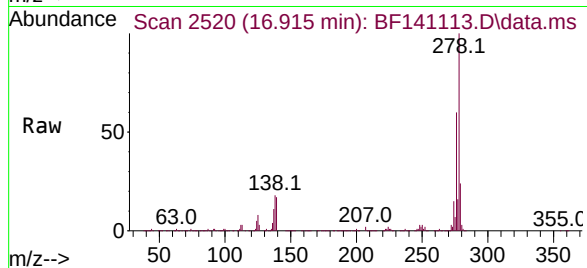
Tgt Ion:278 Resp: 852935

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

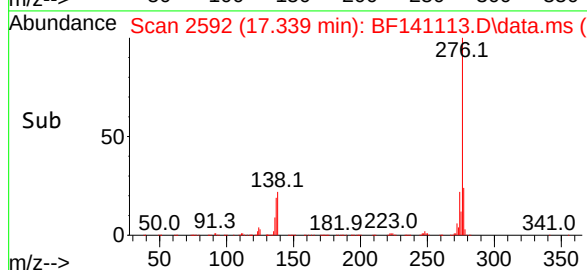
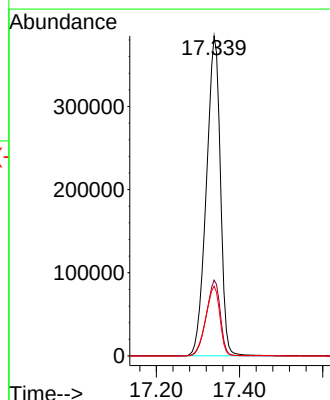
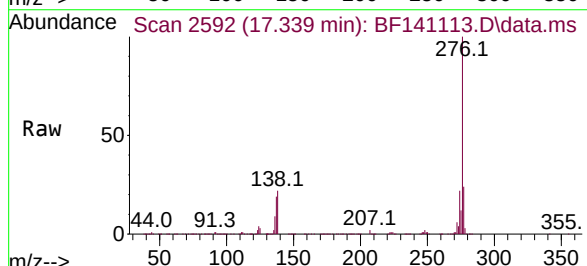
Tgt Ion:276 Resp: 900014

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 21.8 17.4 26.2



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       |

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 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

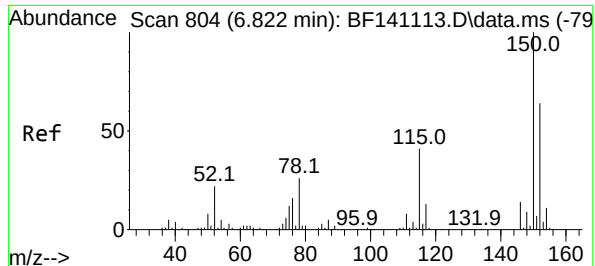
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 10 22:16:11 2025  
 Response via : Initial Calibration

| 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

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDICC050

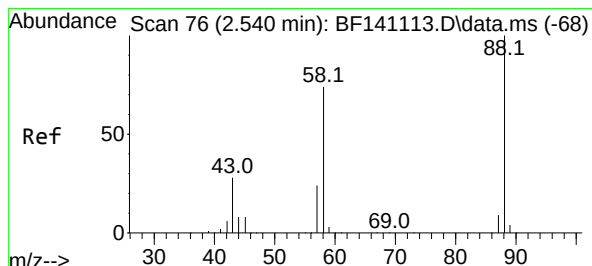
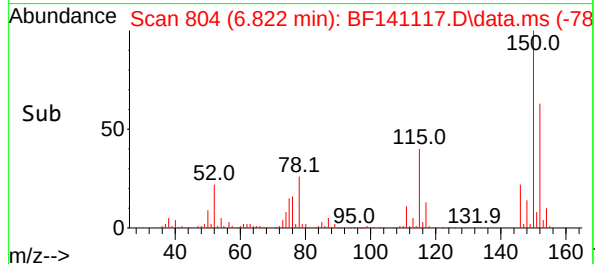
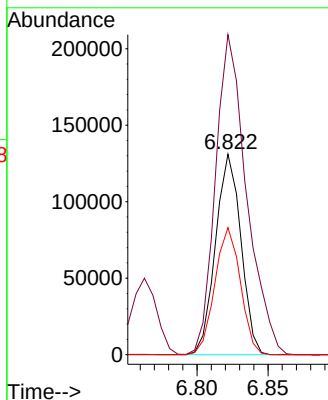
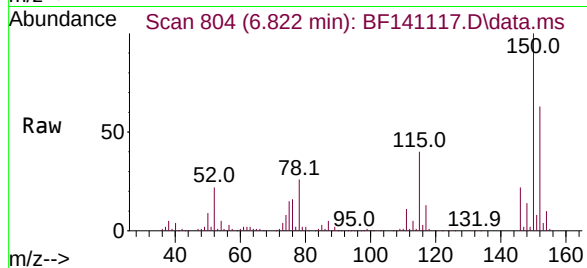
[illegible]



#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

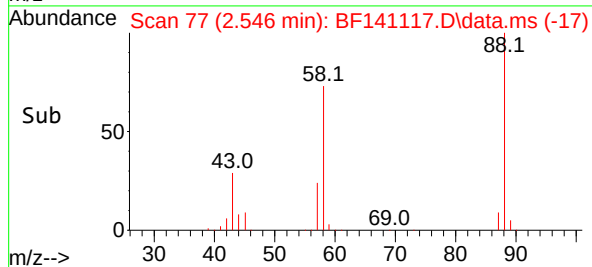
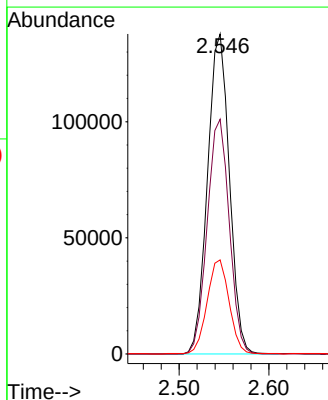
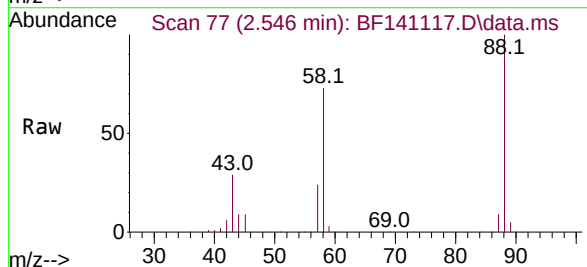
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

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

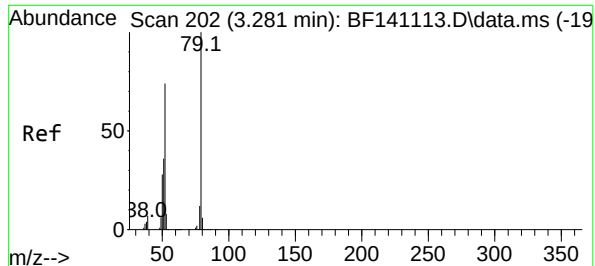


#2  
1,4-Dioxane  
Concen: 49.679 ng  
RT: 2.546 min Scan# 77  
Delta R.T. 0.006 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

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



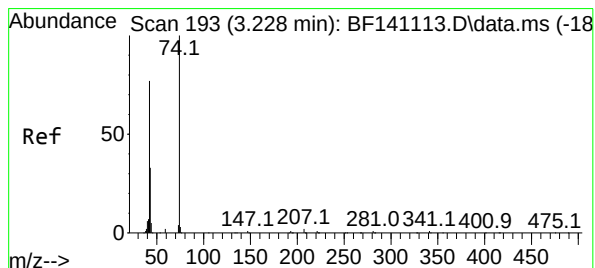
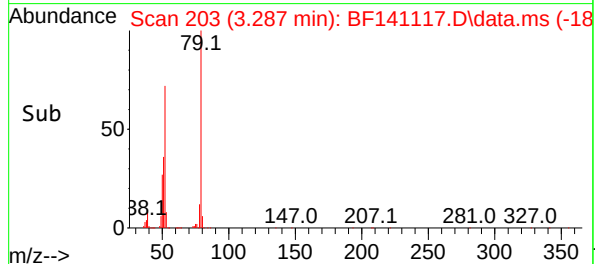
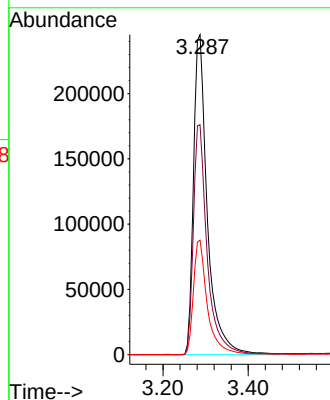
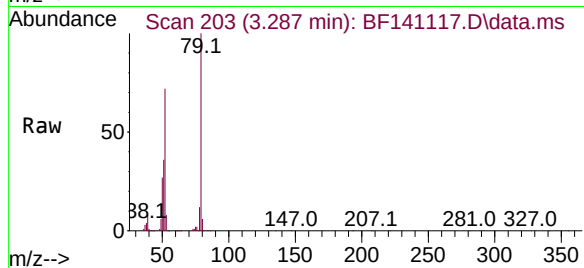




#3  
Pyridine  
Concen: 48.225 ng  
RT: 3.287 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

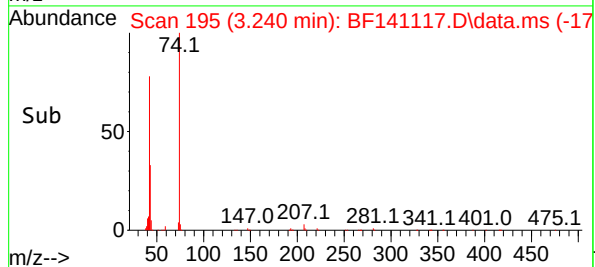
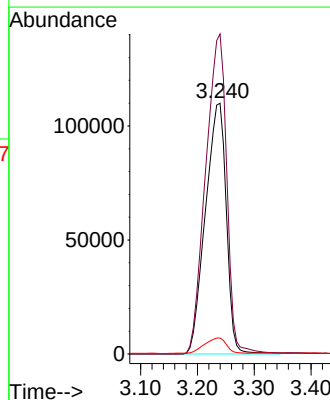
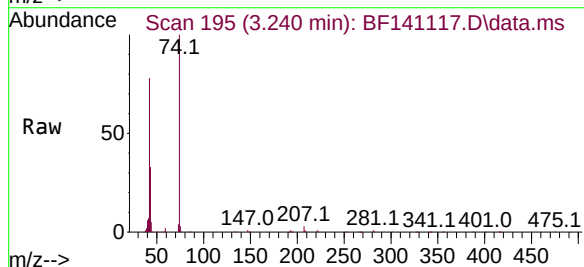
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

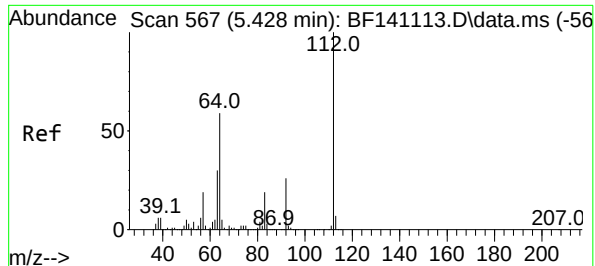
Tgt Ion: 79 Resp: 555795  
Ion Ratio Lower Upper  
79 100  
52 71.9 58.9 88.3  
51 35.8 29.1 43.7



#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

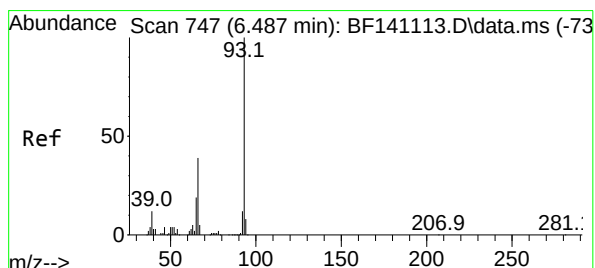
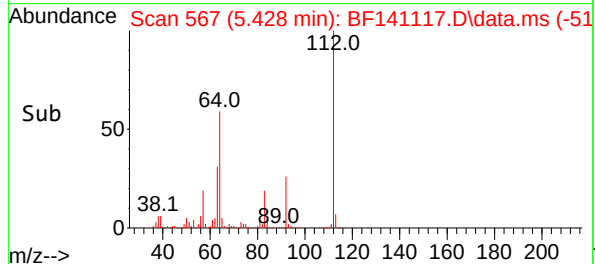
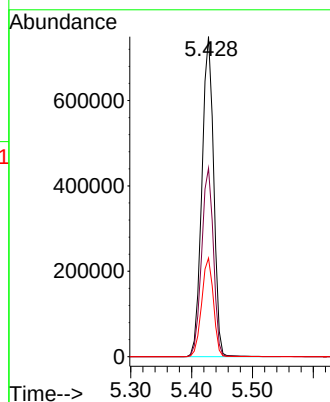
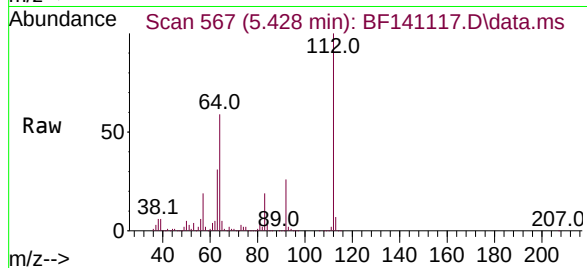




#5  
2-Fluorophenol  
Concen: 95.484 ng  
RT: 5.428 min Scan# 567  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

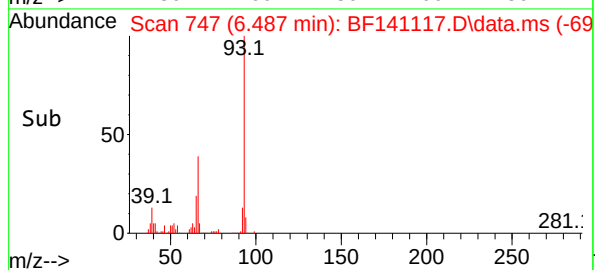
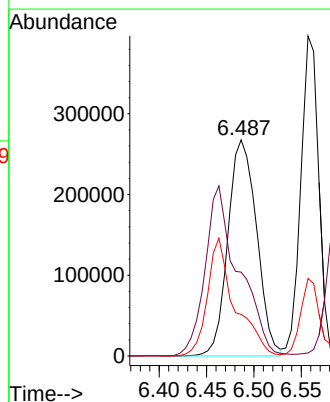
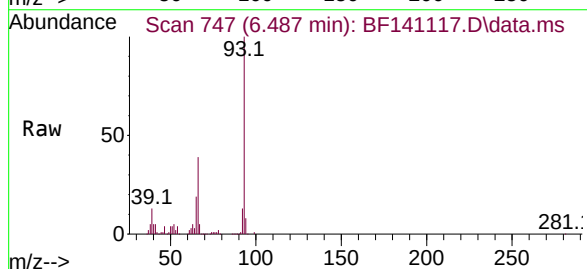
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BNA\_F  
ClientSampleId :  
SSTDICC050

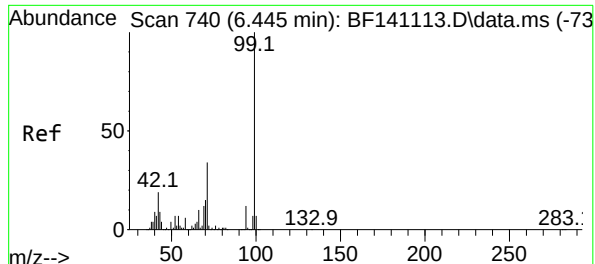
Tgt Ion:112 Resp: 1007728  
Ion Ratio Lower Upper  
112 100  
64 58.9 47.3 70.9  
63 30.8 24.2 36.2



#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

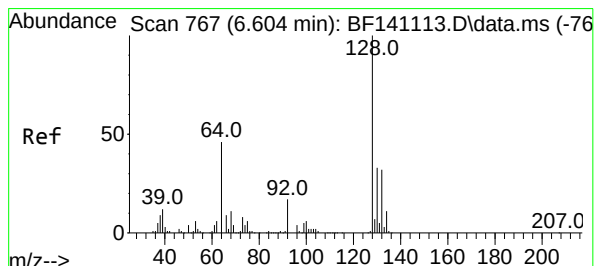
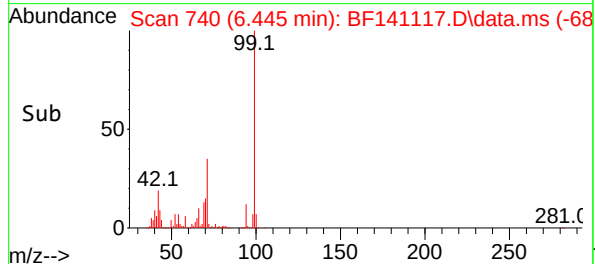
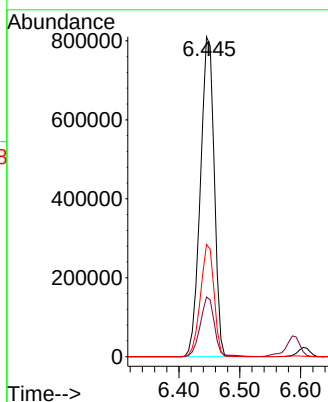
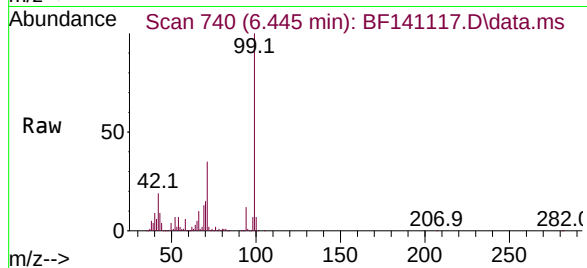




#7  
Phenol-d6  
Concen: 95.699 ng  
RT: 6.445 min Scan# 740  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

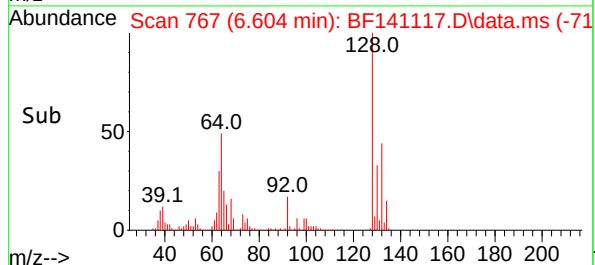
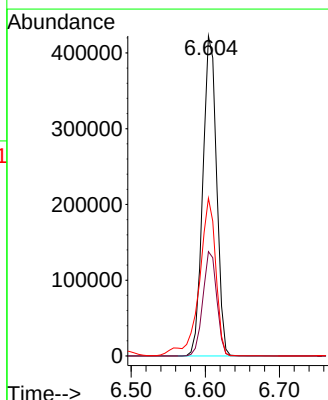
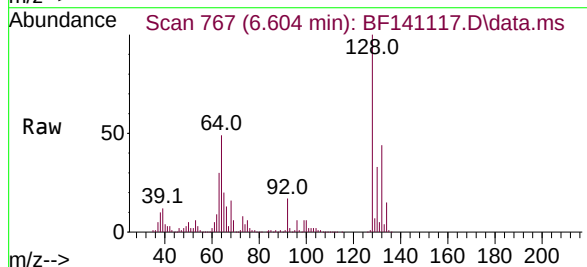
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BNA\_F  
ClientSampleId :  
SSTDICC050

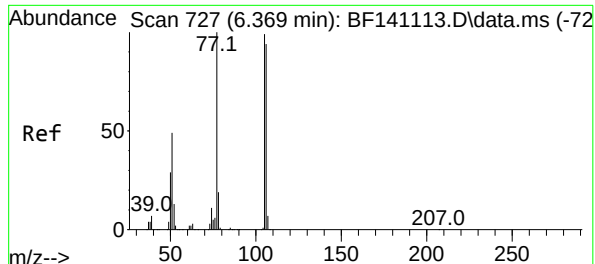
Tgt Ion: 99 Resp: 1279370  
Ion Ratio Lower Upper  
99 100  
42 18.6 15.0 22.4  
71 35.1 27.6 41.4



#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# 727

Delta R.T. -0.000 min

Lab File: BF141117.D

Acq: 10 Jan 2025 16:53

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

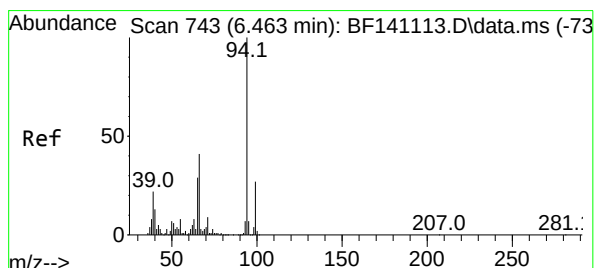
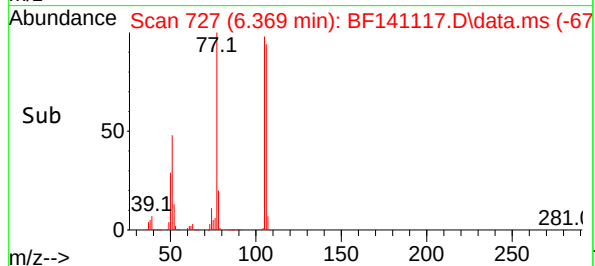
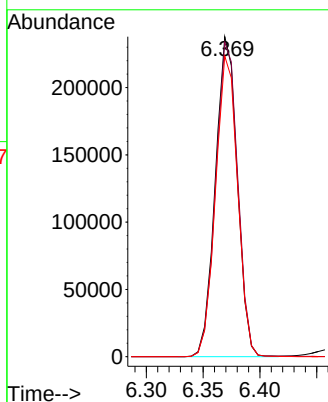
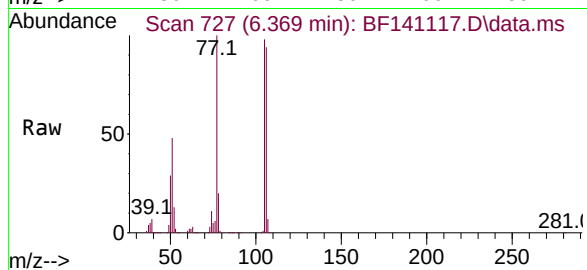
Tgt Ion: 77 Resp: 318659

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

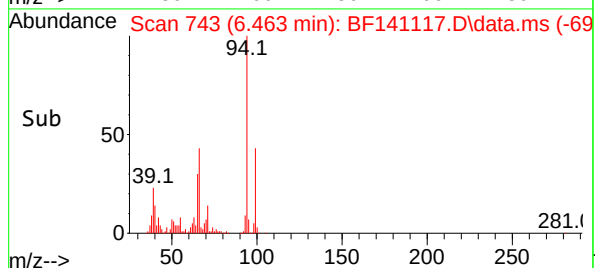
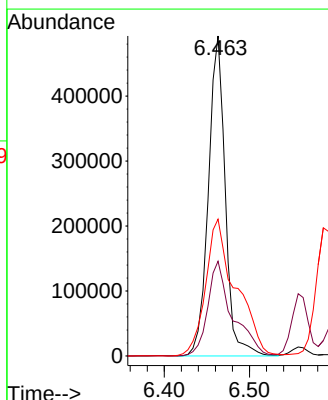
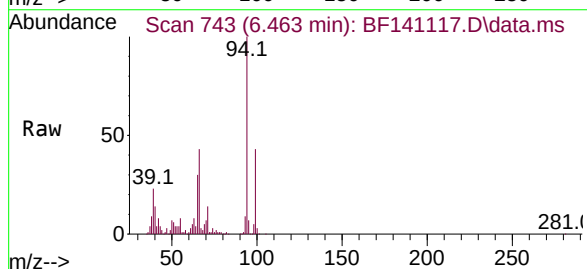
Tgt Ion: 94 Resp: 678615

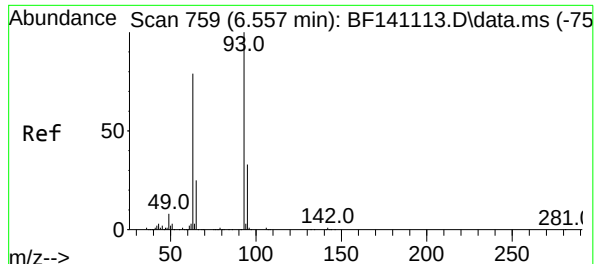
Ion Ratio Lower Upper

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# 759

Delta R.T. -0.000 min

Lab File: BF141117.D

Acq: 10 Jan 2025 16:53

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

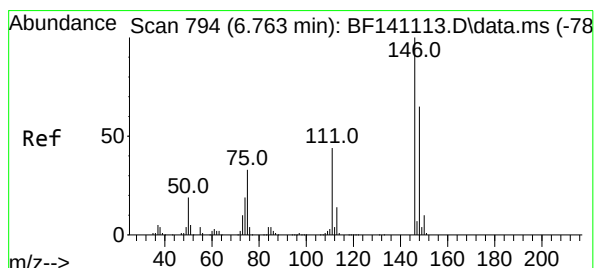
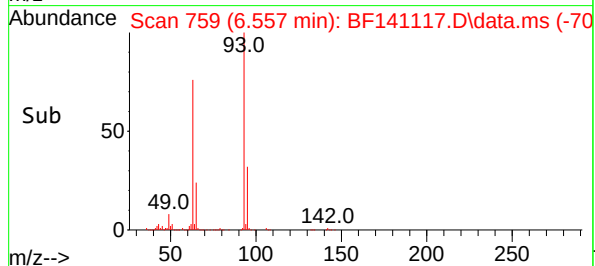
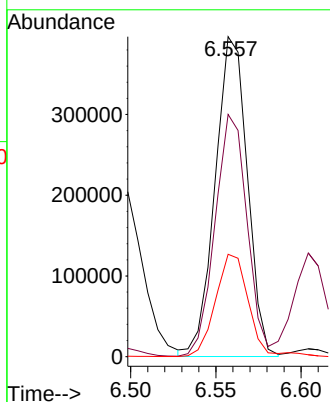
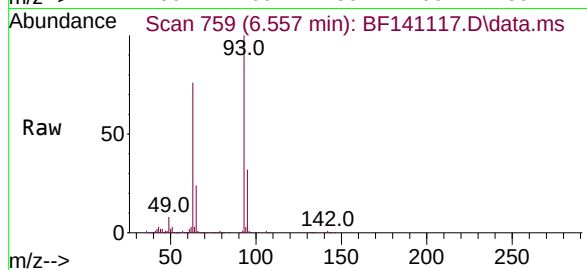
Tgt Ion: 93 Resp: 521191

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

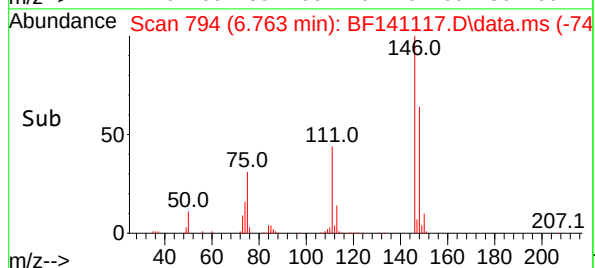
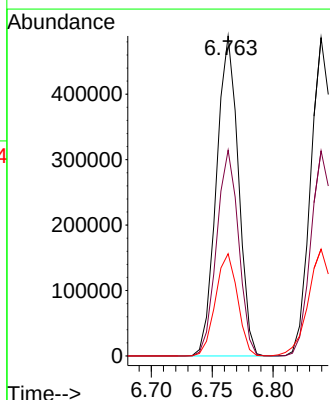
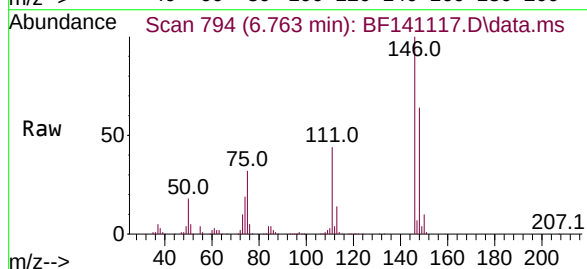
Tgt Ion: 146 Resp: 613813

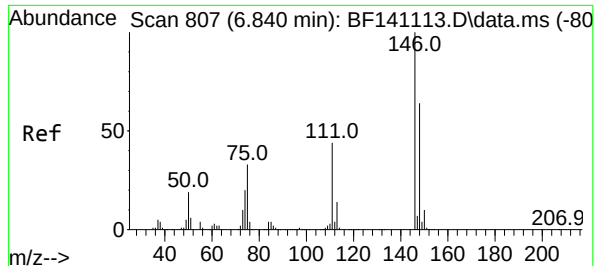
Ion Ratio Lower Upper

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# 807

Delta R.T. -0.000 min

Lab File: BF141117.D

Acq: 10 Jan 2025 16:53

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

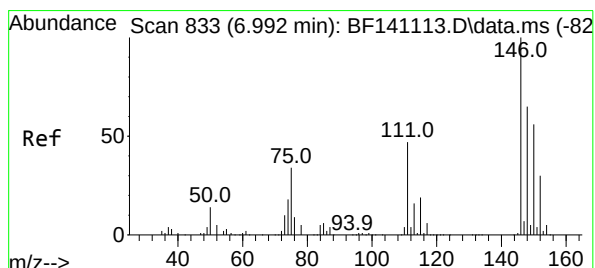
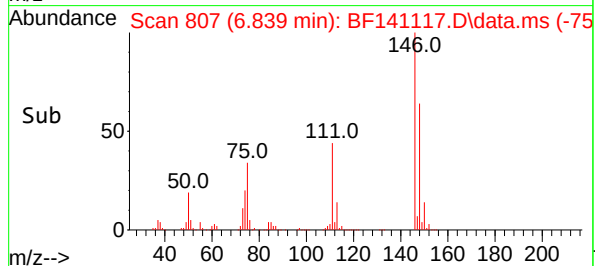
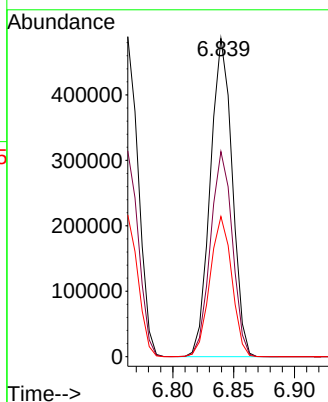
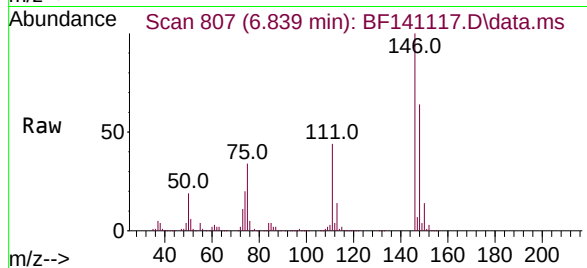
Tgt Ion:146 Resp: 609332

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

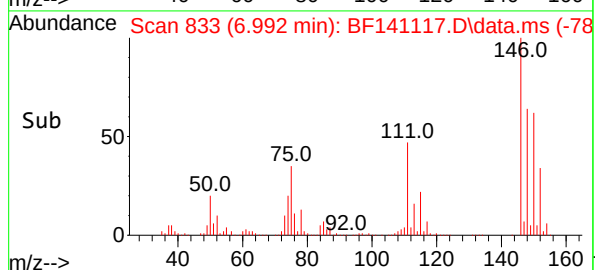
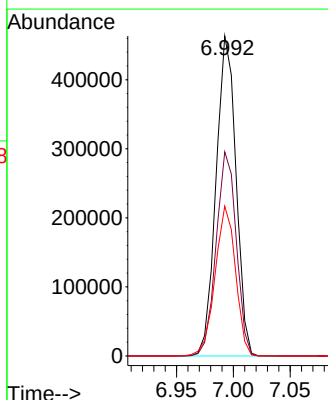
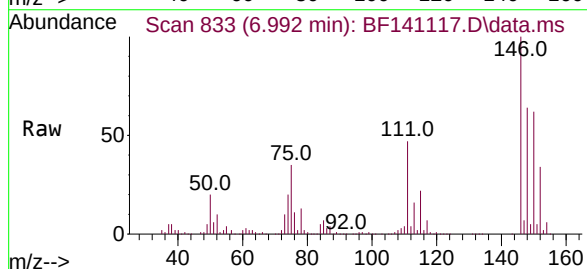
Tgt Ion:146 Resp: 565717

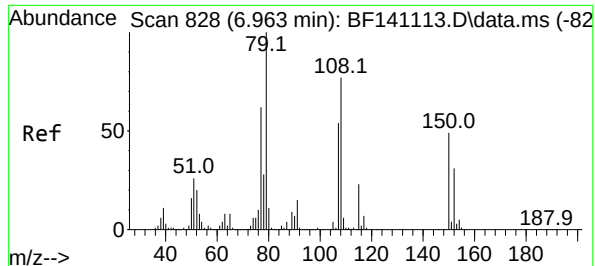
Ion Ratio Lower Upper

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# 81

Delta R.T. -0.000 min

Lab File: BF141117.D

Acq: 10 Jan 2025 16:53

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

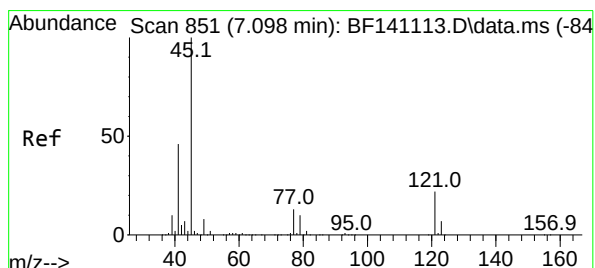
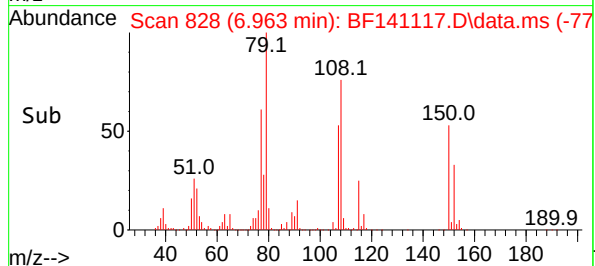
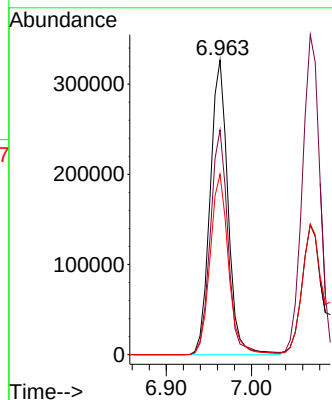
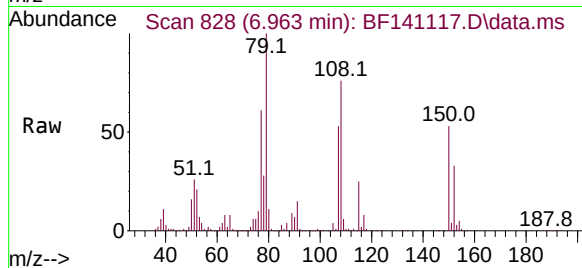
Tgt Ion: 79 Resp: 474583

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

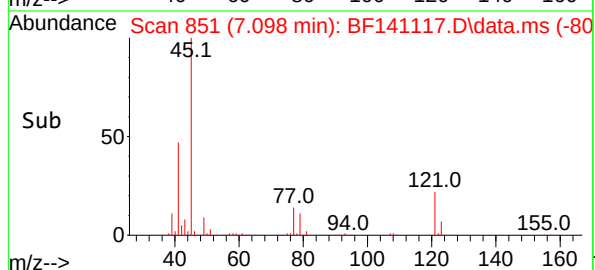
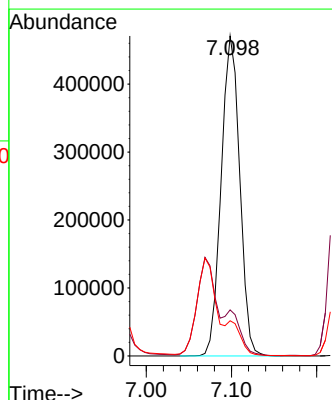
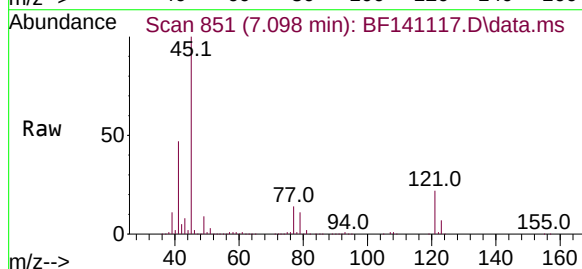
Tgt Ion: 45 Resp: 711735

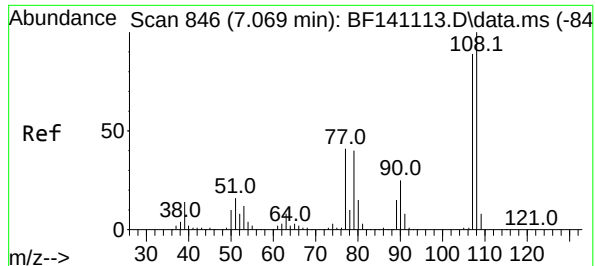
Ion Ratio Lower Upper

45 100

77 14.4 0.0 34.1

79 11.0 0.0 31.0

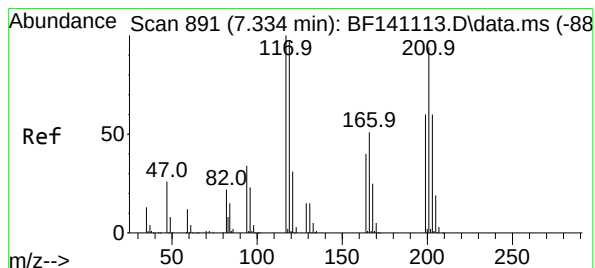
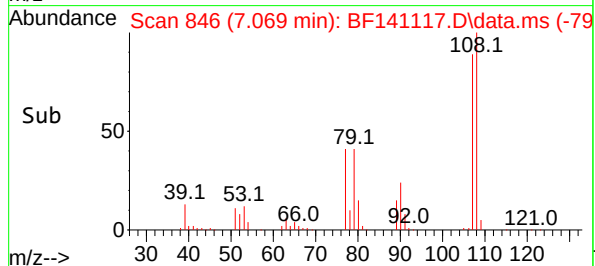
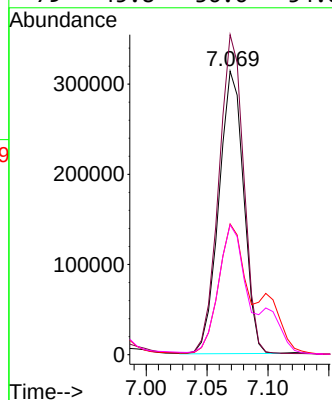
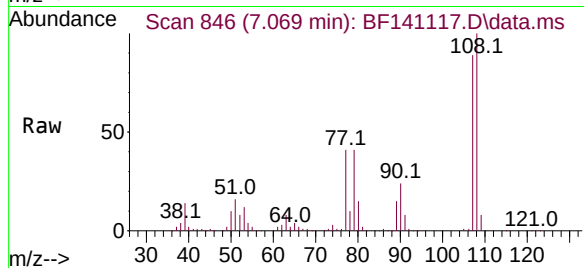




#17  
2-Methylphenol  
Concen: 48.644 ng  
RT: 7.069 min Scan# 846  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

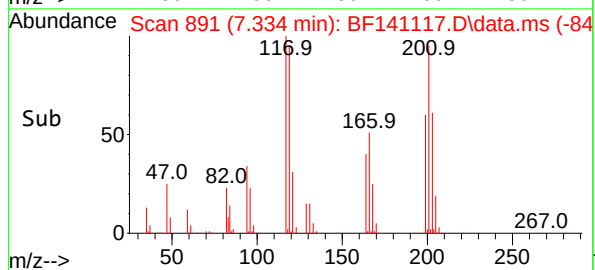
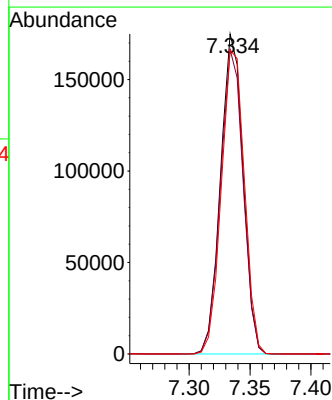
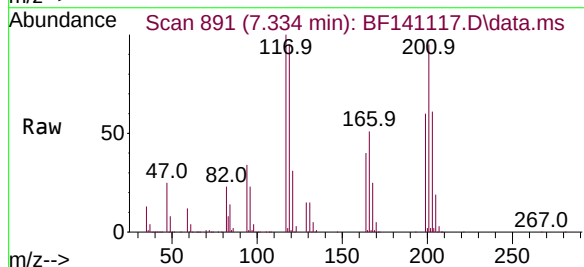
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

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

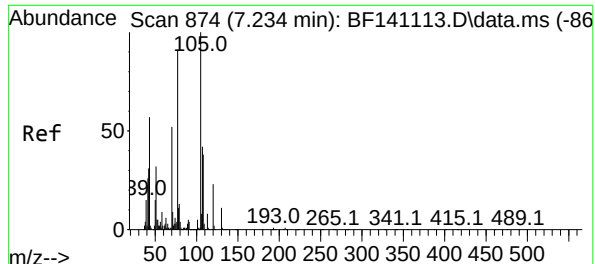


#18  
Hexachloroethane  
Concen: 48.837 ng  
RT: 7.334 min Scan# 891  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

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# 81

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

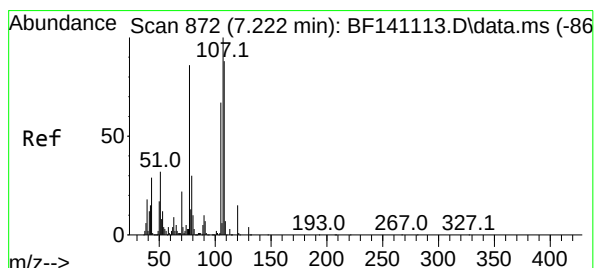
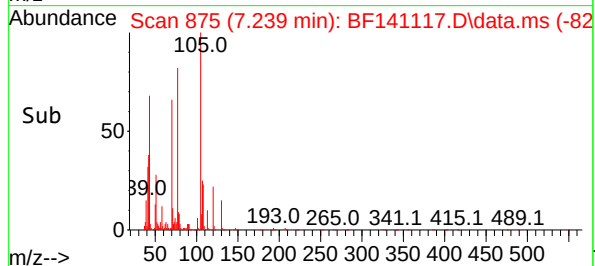
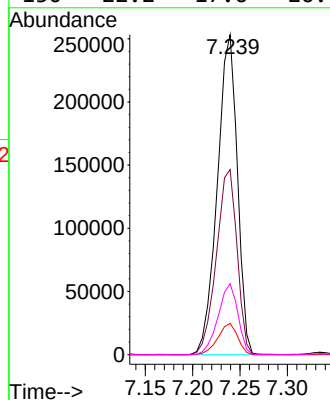
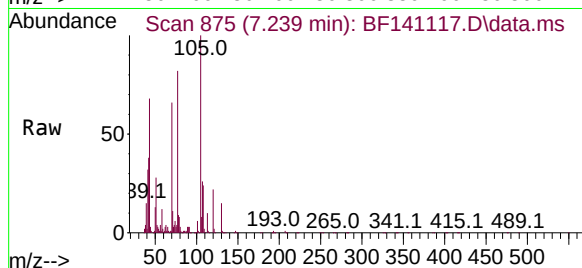
Ion Ratio Lower Upper

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

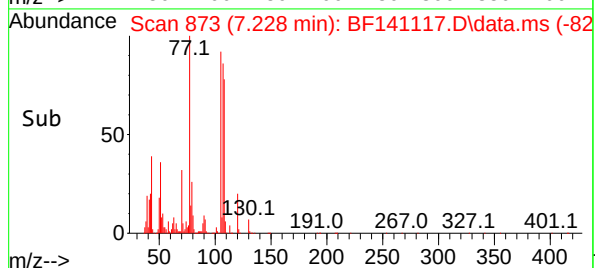
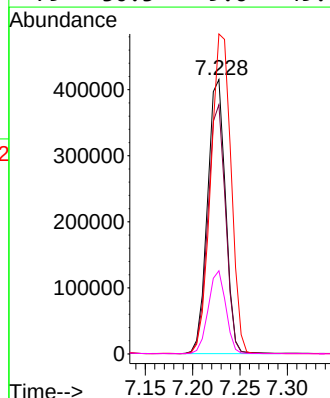
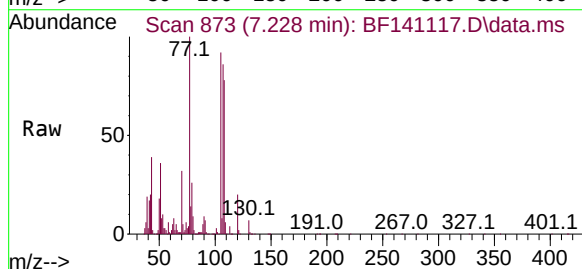
Ion Ratio Lower Upper

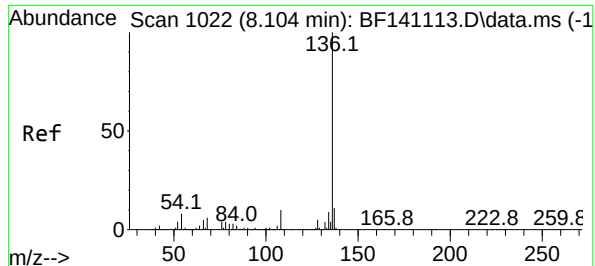
107 100

108 90.9 68.3 108.3

77 116.6 66.4 106.4#

79 30.3 9.6 49.6



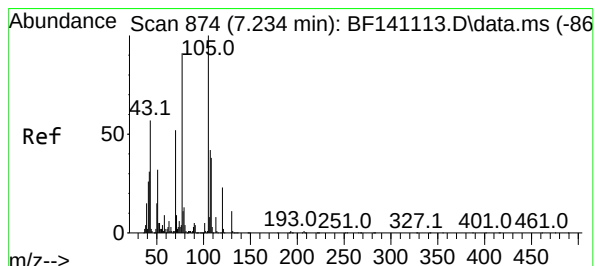
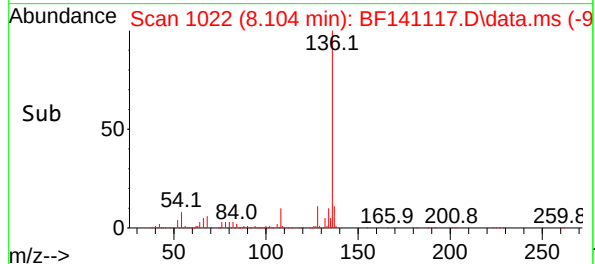
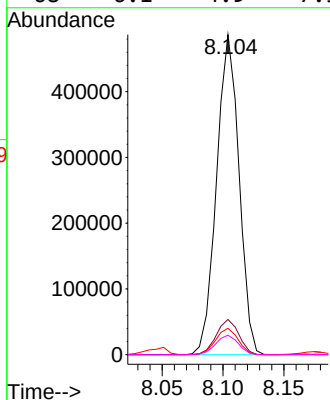
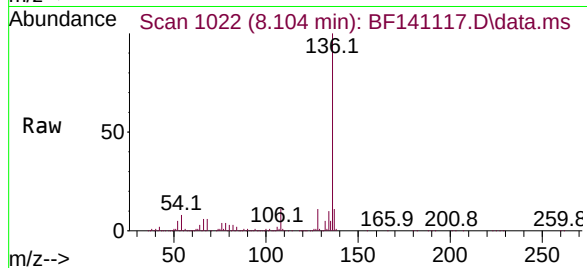


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 1022  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

Tgt Ion:136 Resp: 625072

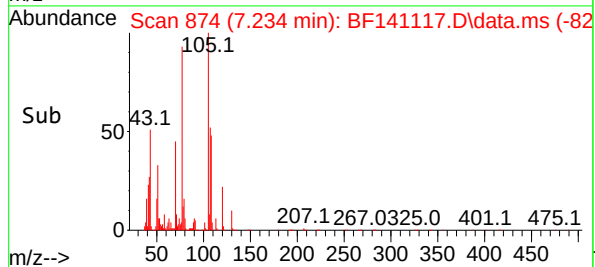
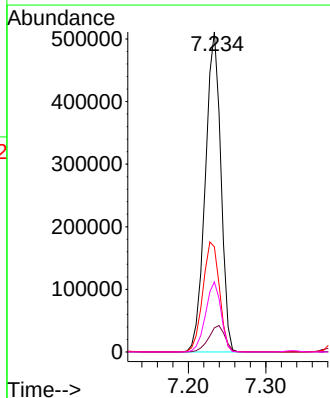
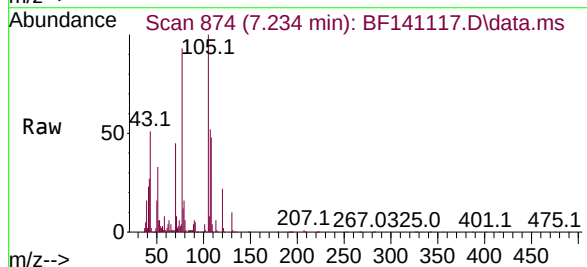
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.0  | 8.8   | 13.2  |
| 54  | 8.3   | 6.3   | 9.5   |
| 68  | 6.1   | 4.9   | 7.3   |

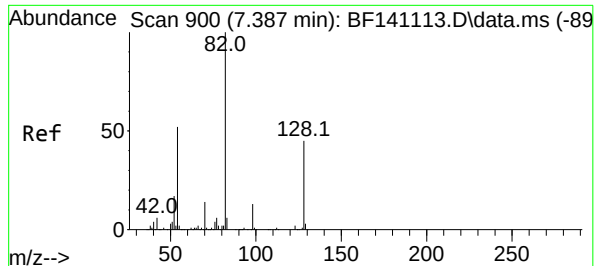


#22  
Acetophenone  
Concen: 47.871 ng  
RT: 7.234 min Scan# 874  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

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# 900

Delta R.T. -0.000 min

Lab File: BF141117.D

Acq: 10 Jan 2025 16:53

Instrument :

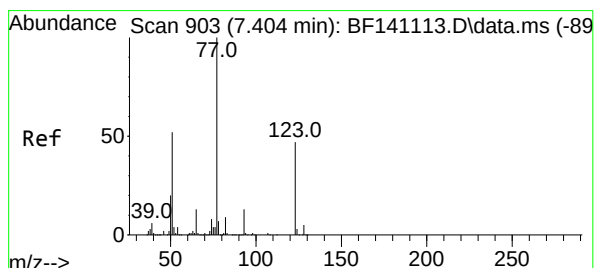
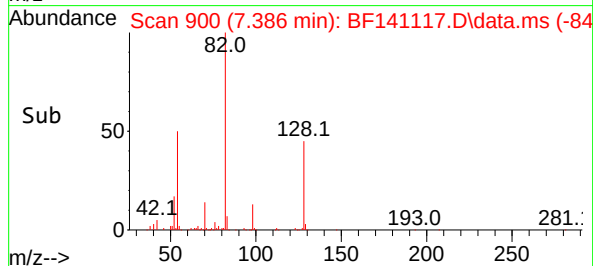
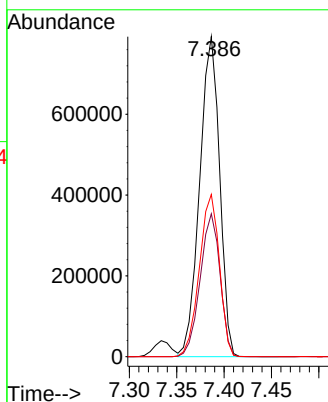
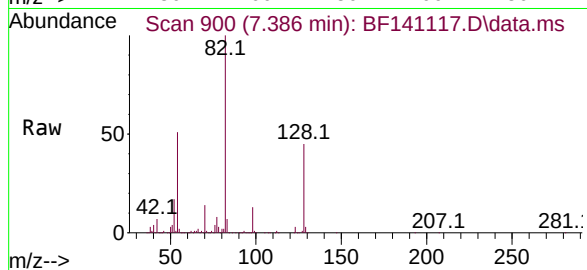
BNA\_F

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

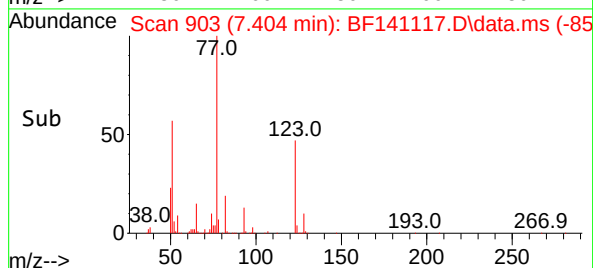
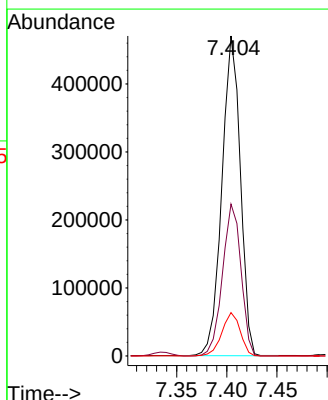
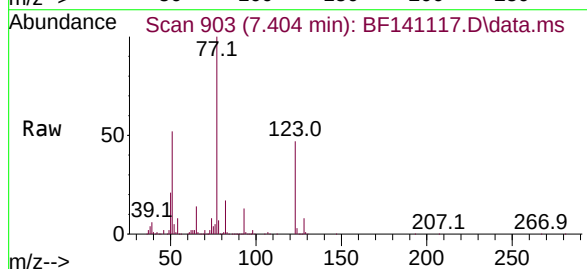
Delta R.T. -0.000 min

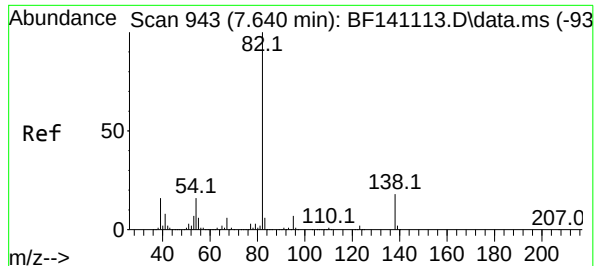
Lab File: BF141117.D

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  |

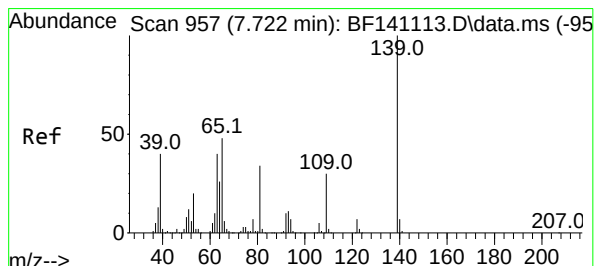
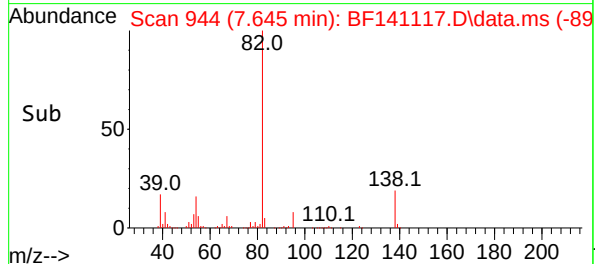
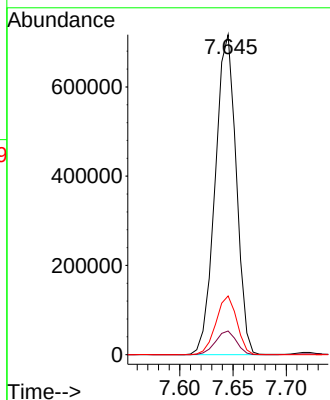
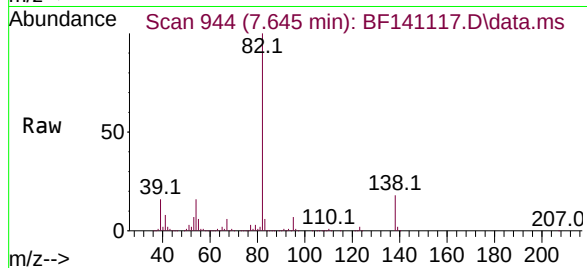




#25  
Isophorone  
Concen: 48.754 ng  
RT: 7.645 min Scan# 943  
Delta R.T. 0.006 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

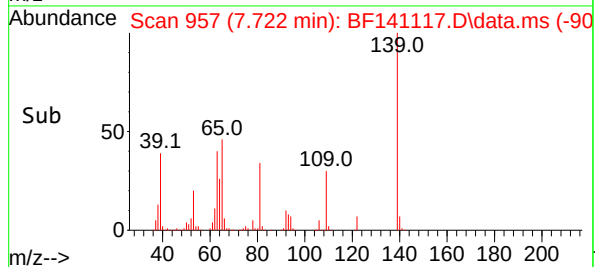
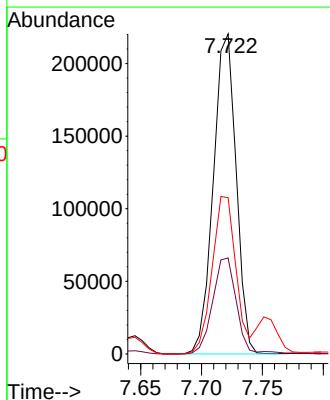
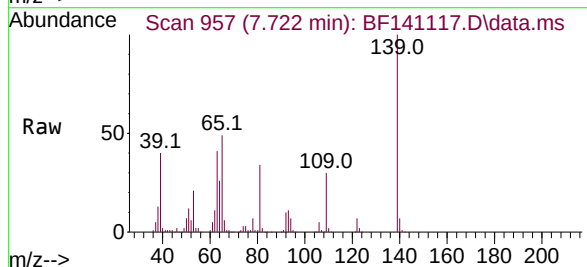
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

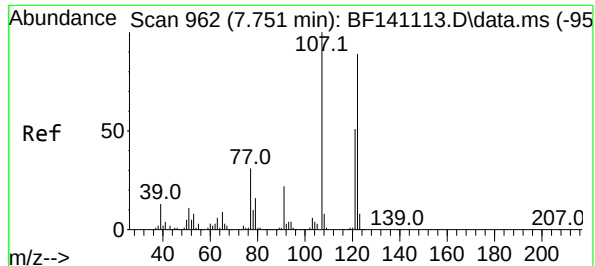
Tgt Ion: 82 Resp: 982492  
Ion Ratio Lower Upper  
82 100  
95 7.4 5.9 8.9  
138 18.3 14.2 21.2



#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# 90

Delta R.T. -0.000 min

Lab File: BF141117.D

Acq: 10 Jan 2025 16:53

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

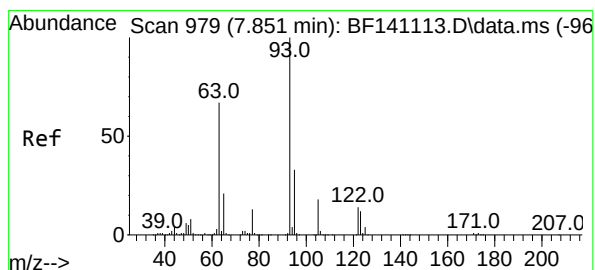
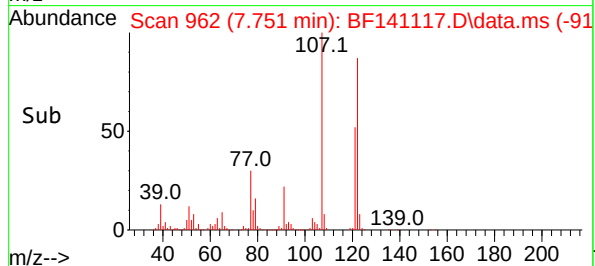
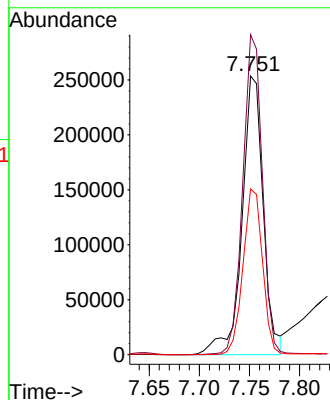
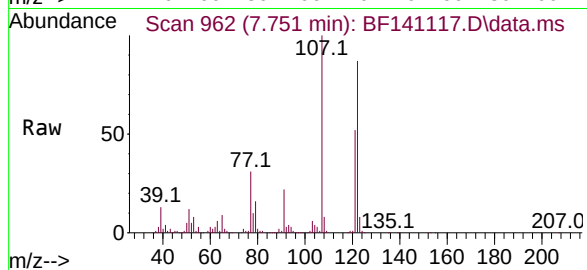
Tgt Ion:122 Resp: 374236

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

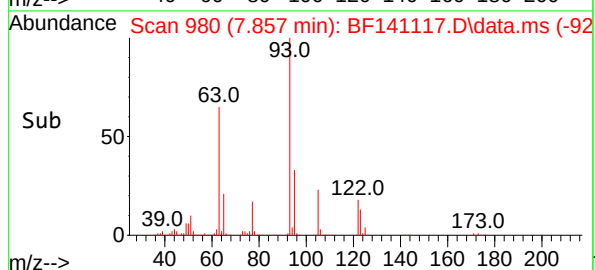
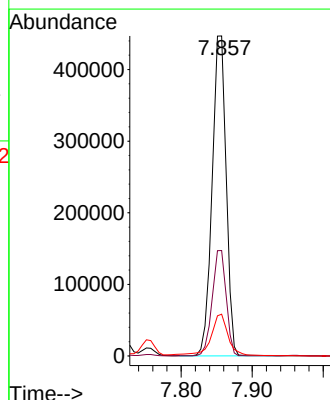
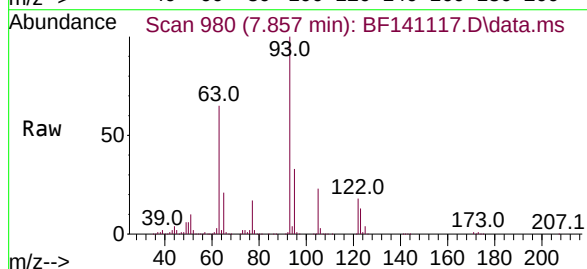
Tgt Ion: 93 Resp: 614567

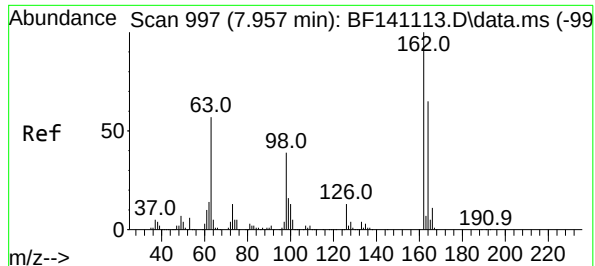
Ion Ratio Lower Upper

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# 997

Delta R.T. -0.000 min

Lab File: BF141117.D

Acq: 10 Jan 2025 16:53

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

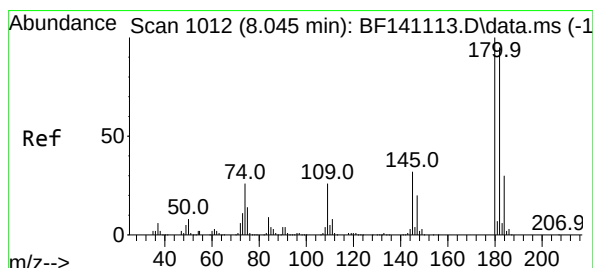
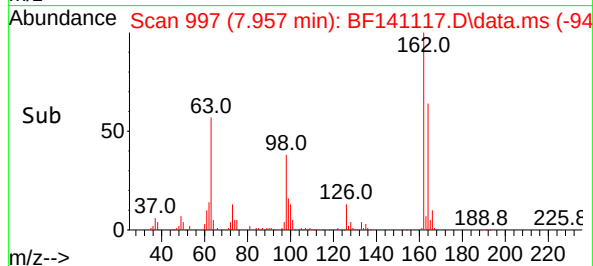
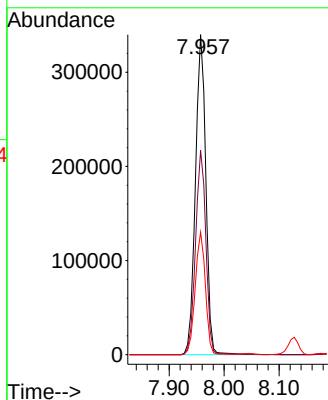
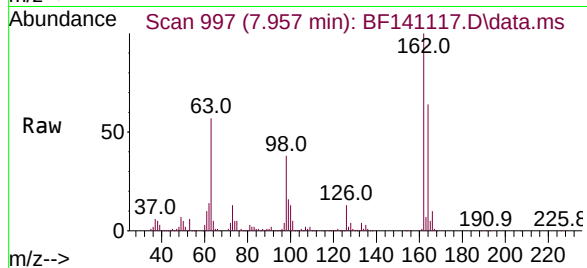
Tgt Ion:162 Resp: 447208

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

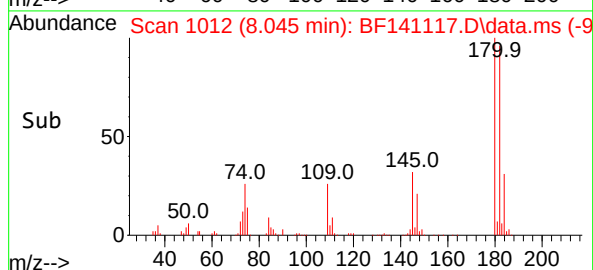
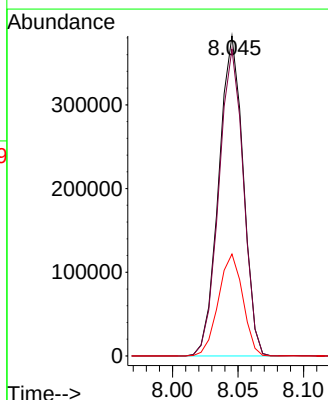
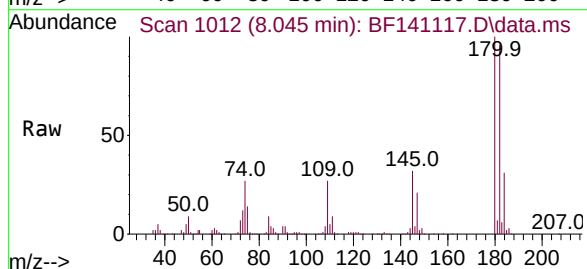
Tgt Ion:180 Resp: 495397

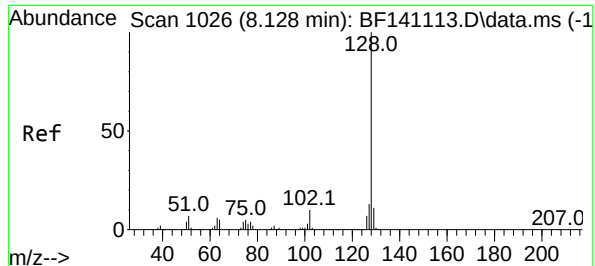
Ion Ratio Lower Upper

180 100

182 95.9 76.2 114.2

145 31.8 25.3 37.9

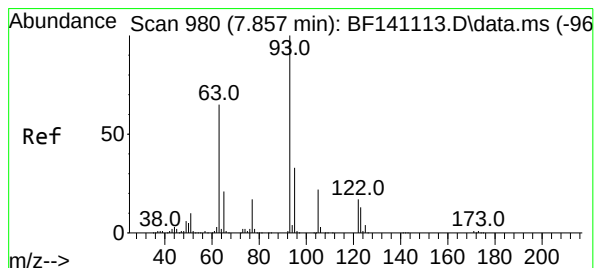
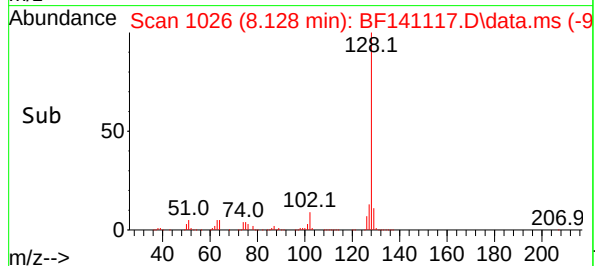
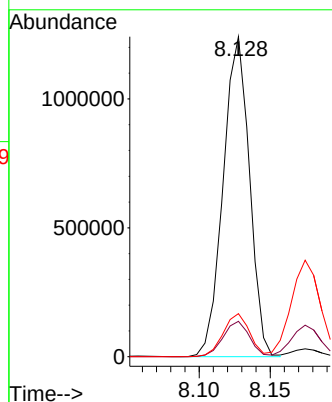
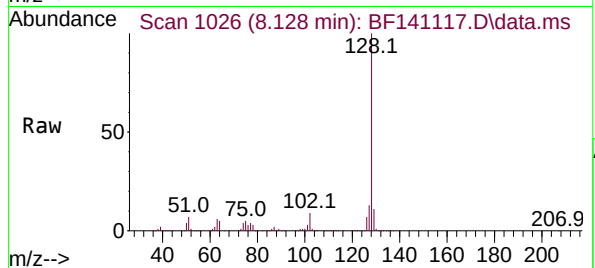




#31  
Naphthalene  
Concen: 48.495 ng  
RT: 8.128 min Scan# 1026  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

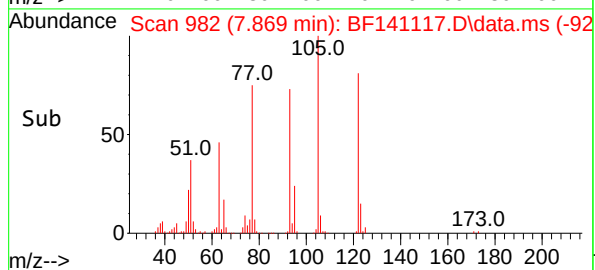
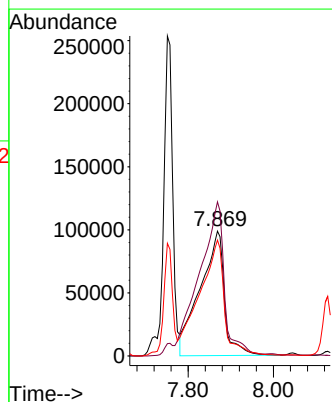
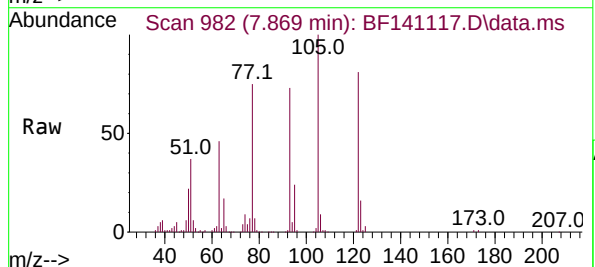
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

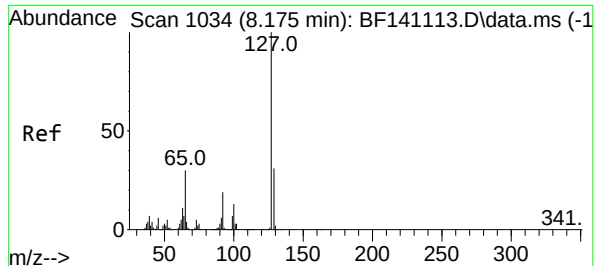
Tgt Ion:128 Resp: 1598576  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.0 13.6  
127 13.5 10.8 16.2



#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

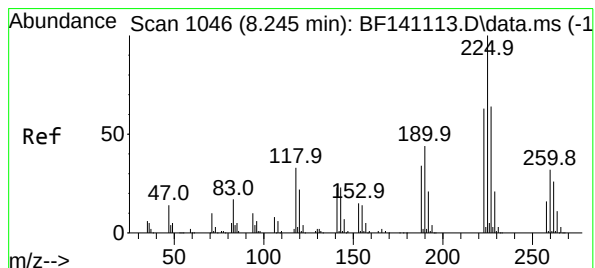
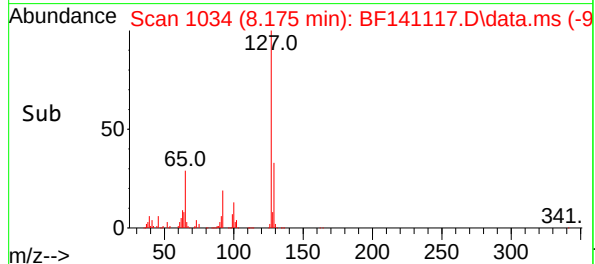
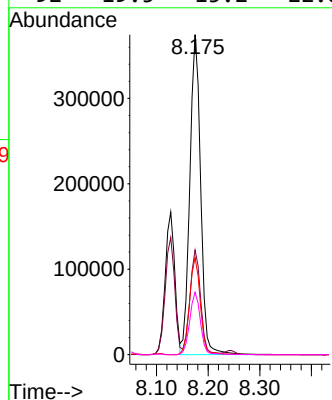
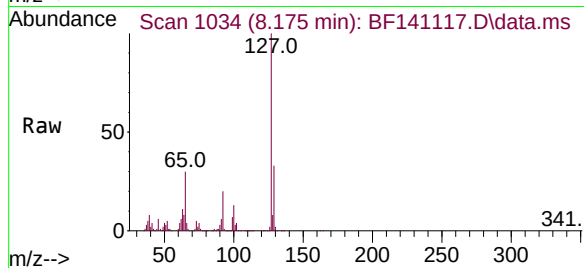




#33  
4-Chloroaniline  
Concen: 47.801 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

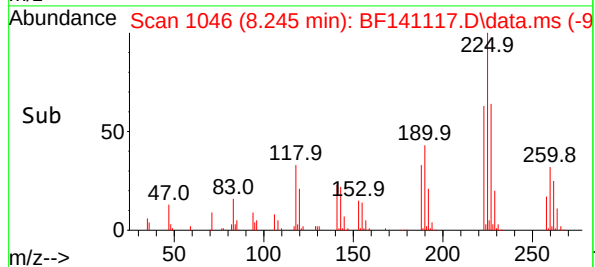
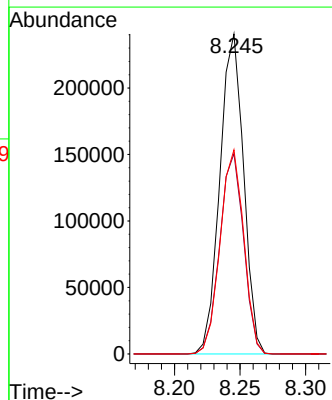
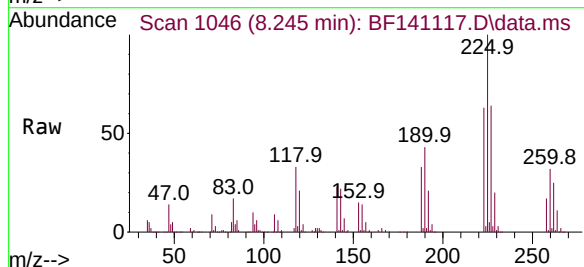
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

|          |       |       |        |
|----------|-------|-------|--------|
| 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   |

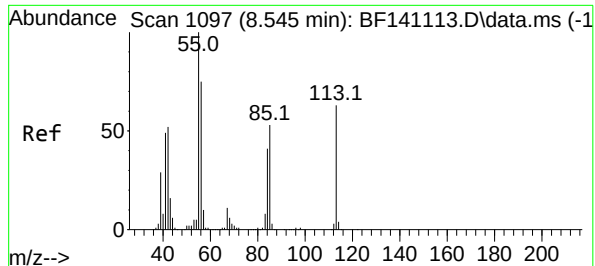


#34  
Hexachlorobutadiene  
Concen: 49.102 ng  
RT: 8.245 min Scan# 1046  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

|          |       |       |        |
|----------|-------|-------|--------|
| 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# 1097

Delta R.T. -0.000 min

Lab File: BF141117.D

Acq: 10 Jan 2025 16:53

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

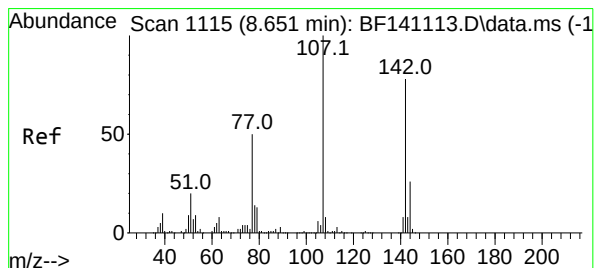
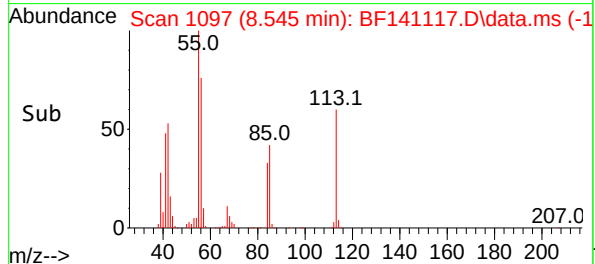
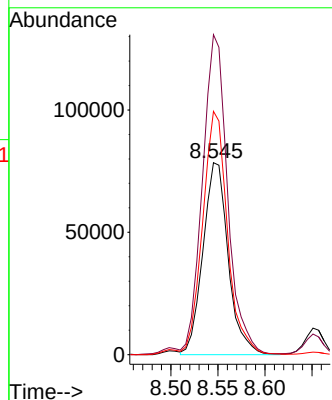
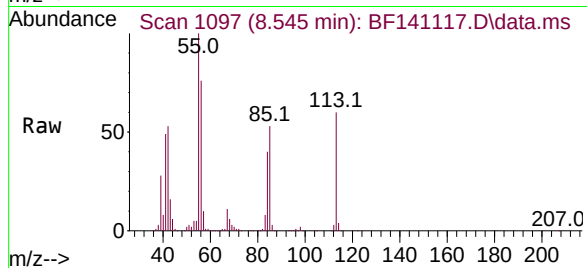
Tgt Ion:113 Resp: 146669

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

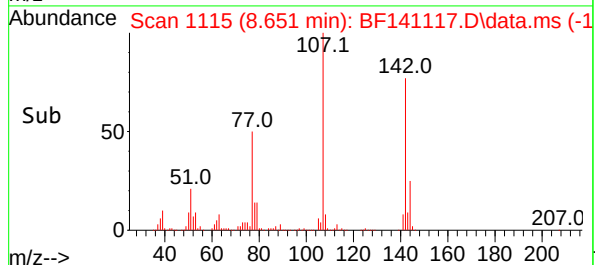
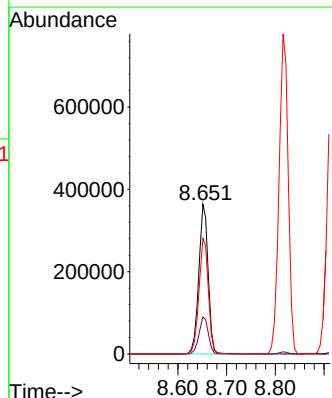
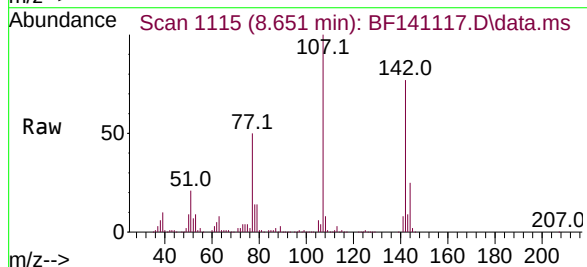
Tgt Ion:107 Resp: 488345

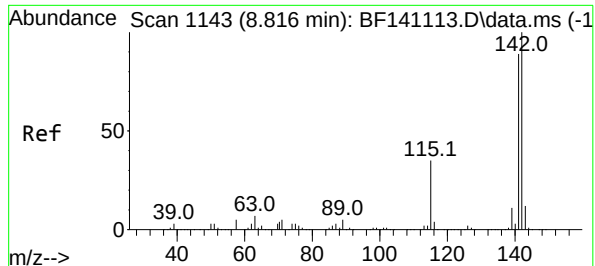
Ion Ratio Lower Upper

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# 1143

Delta R.T. -0.000 min

Lab File: BF141117.D

Acq: 10 Jan 2025 16:53

Instrument :

BNA\_F

ClientSampleId :

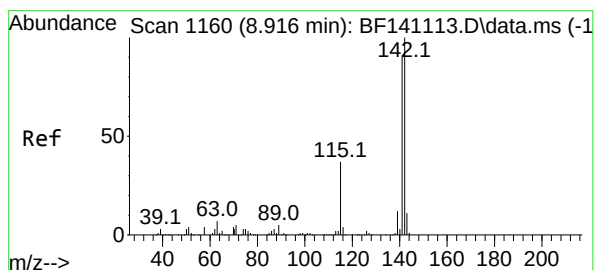
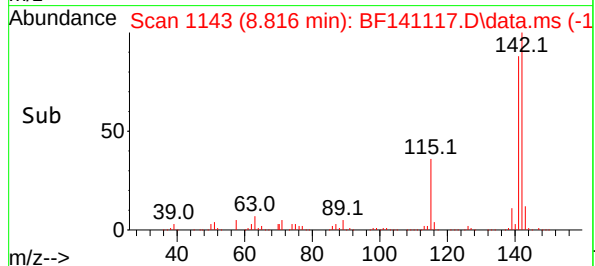
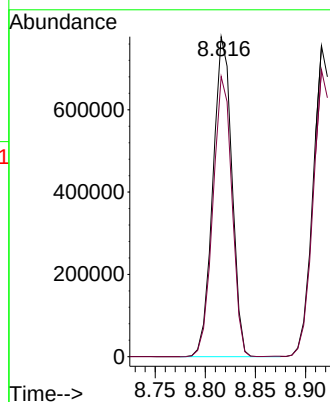
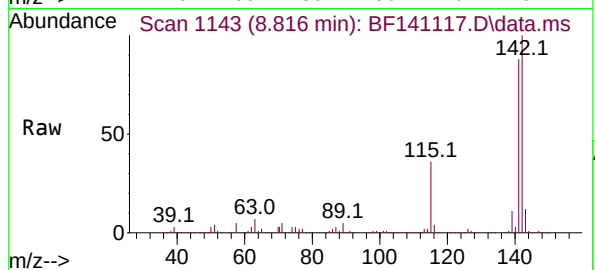
SSTDICC050

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

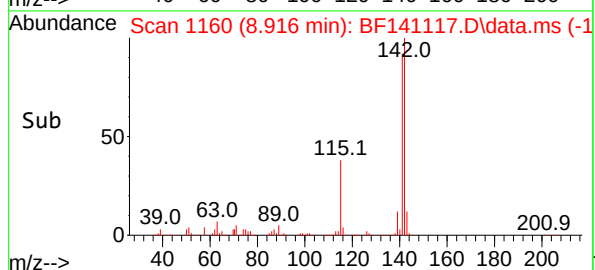
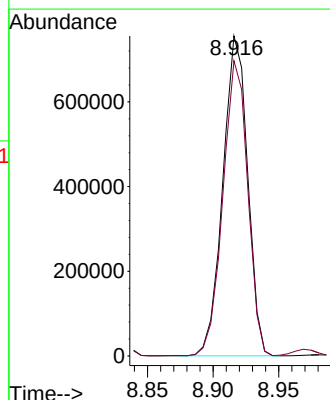
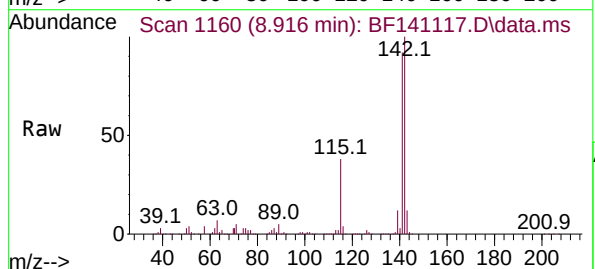
Acq: 10 Jan 2025 16:53

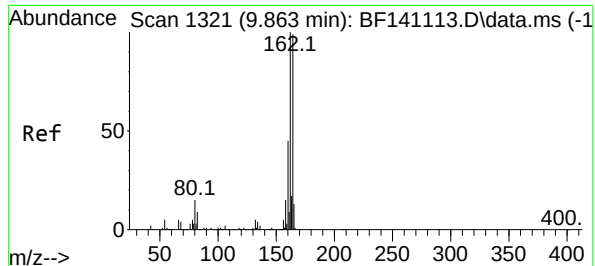
Tgt Ion:142 Resp: 992651

Ion Ratio Lower Upper

142 100

141 92.3 73.1 109.7

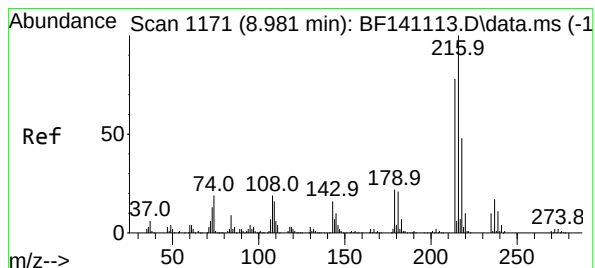
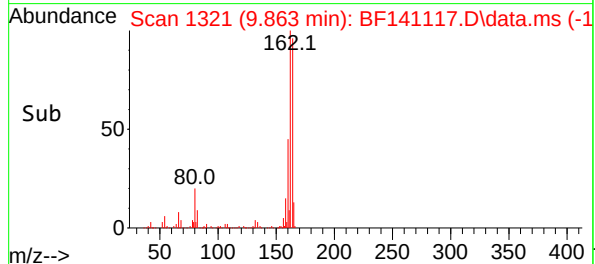
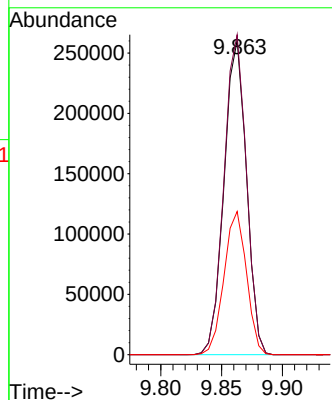
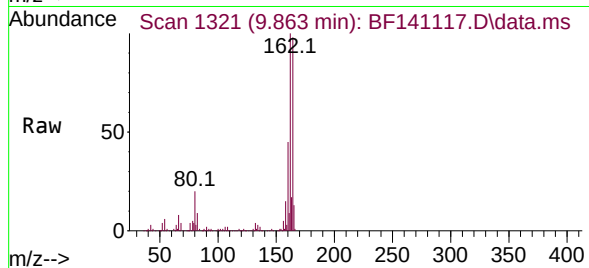




#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.863 min Scan# 1171  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

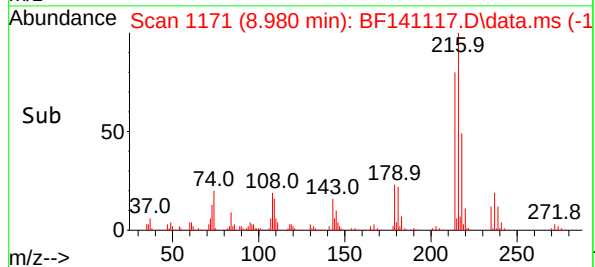
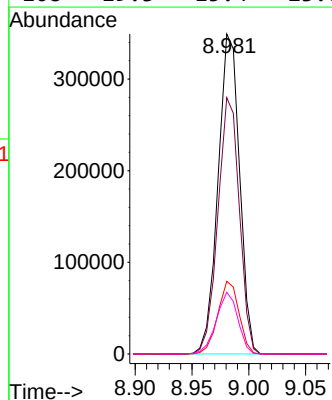
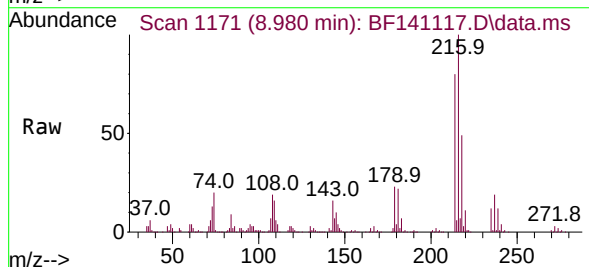
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

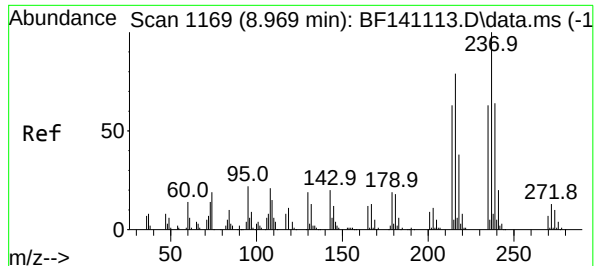
Tgt Ion:164 Resp: 333513  
Ion Ratio Lower Upper  
164 100  
162 101.9 81.0 121.4  
160 45.6 36.1 54.1



#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

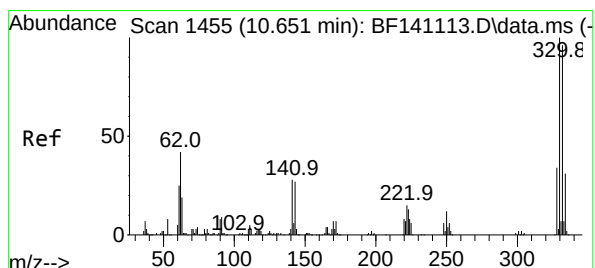
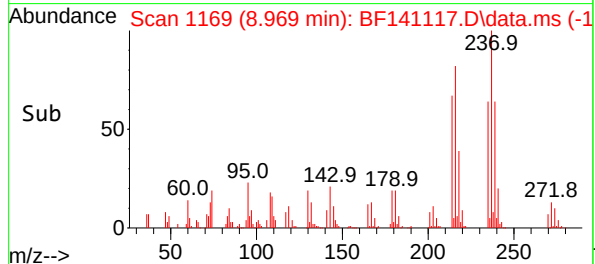
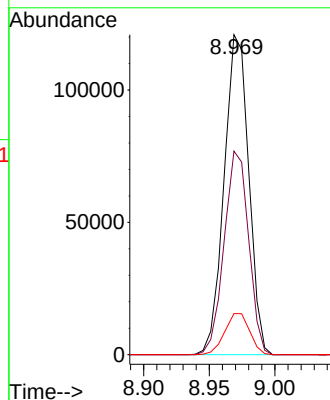
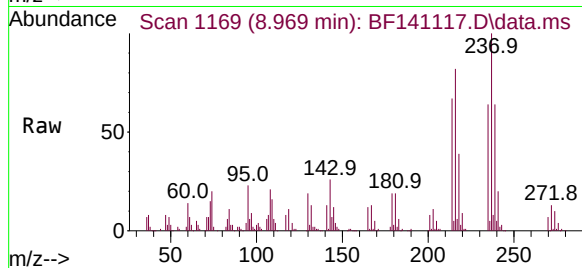




#41  
Hexachlorocyclopentadiene  
Concen: 50.395 ng  
RT: 8.969 min Scan# 1169  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

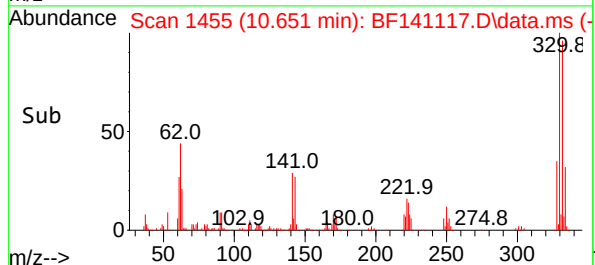
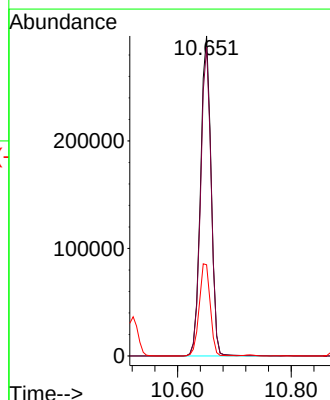
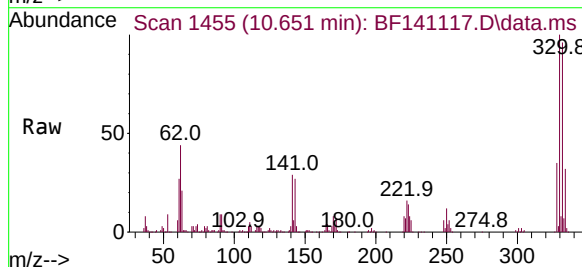
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

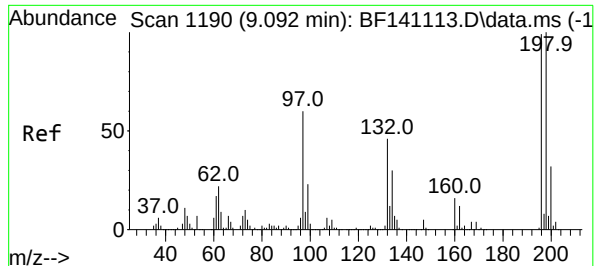
Tgt Ion:237 Resp: 157828  
Ion Ratio Lower Upper  
237 100  
235 63.6 43.0 83.0  
272 12.8 0.0 33.0



#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# 1190

Delta R.T. -0.000 min

Lab File: BF141117.D

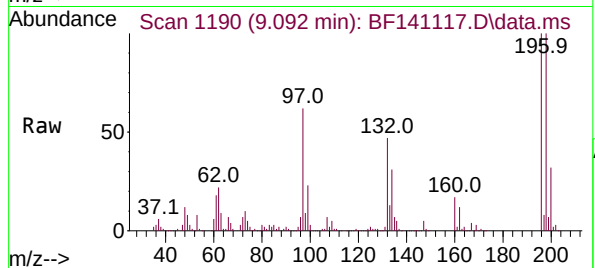
Acq: 10 Jan 2025 16:53

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050



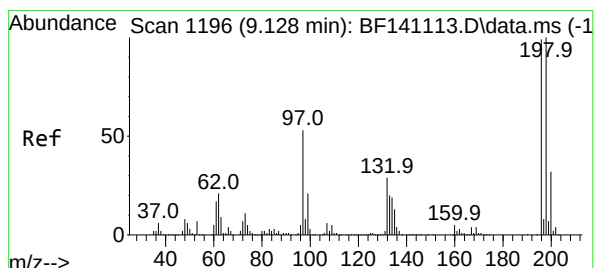
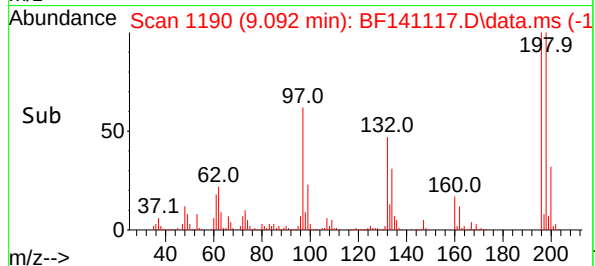
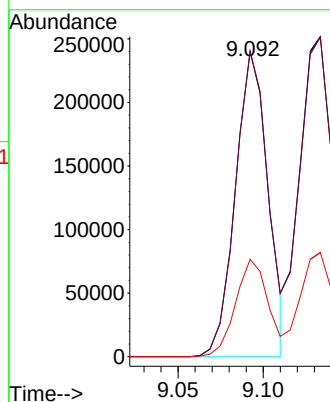
Tgt Ion:196 Resp: 318276

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

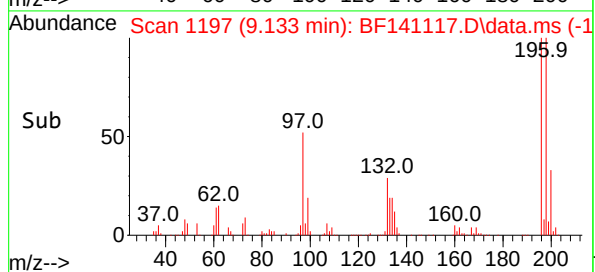
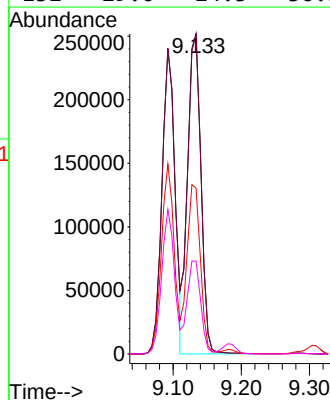
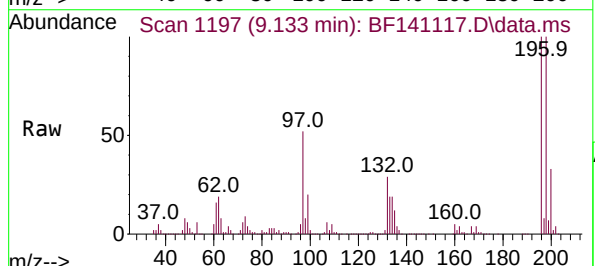
Ion Ratio Lower Upper

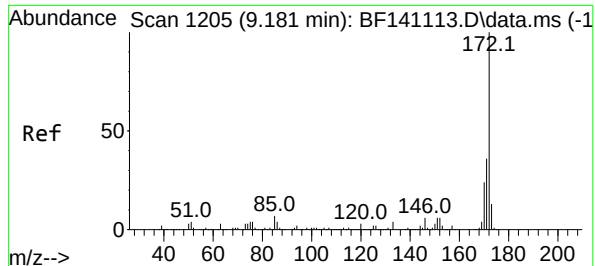
196 100

198 99.9 80.6 120.8

97 51.9 43.1 64.7

132 29.0 24.3 36.5

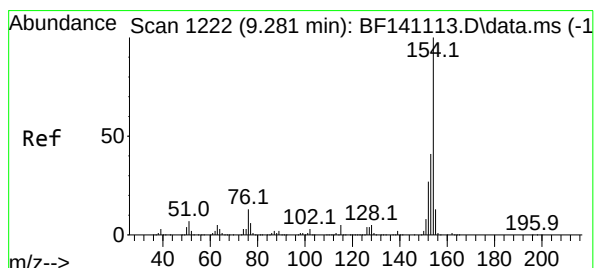
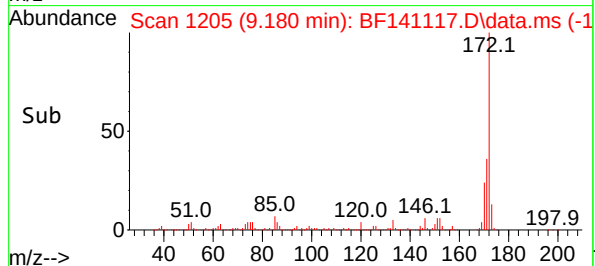
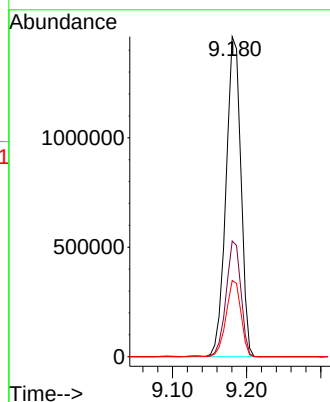
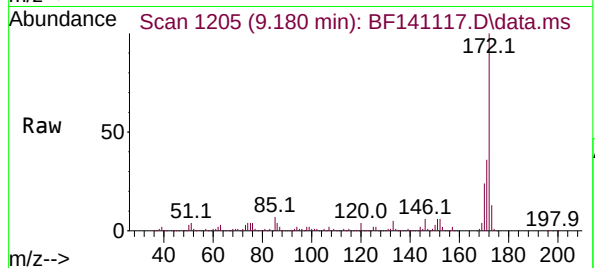




#45  
2-Fluorobiphenyl  
Concen: 93.427 ng  
RT: 9.180 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

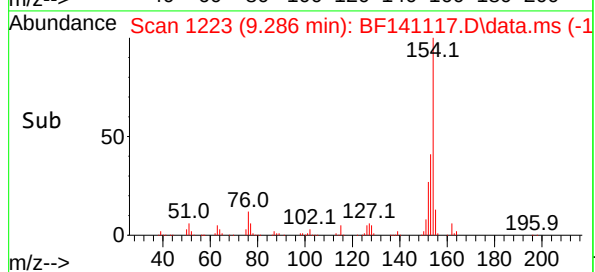
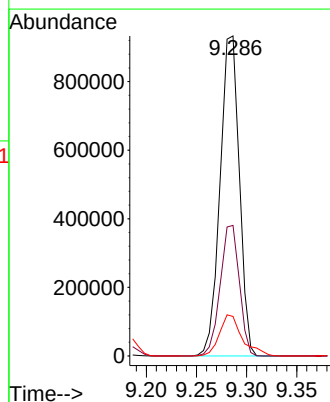
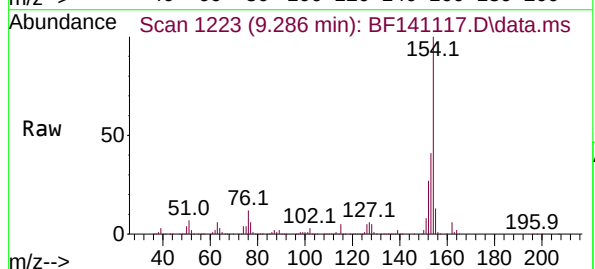
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

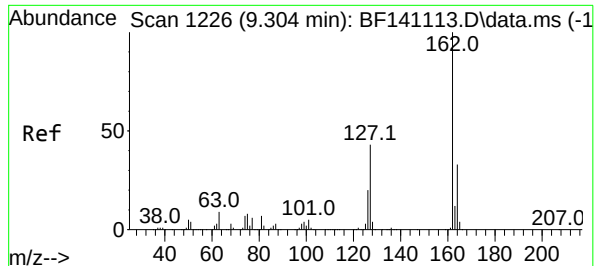
Tgt Ion:172 Resp: 2040487  
Ion Ratio Lower Upper  
172 100  
171 36.1 28.7 43.1  
170 23.8 19.0 28.6



#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# 11

Delta R.T. 0.006 min

Lab File: BF141117.D

Acq: 10 Jan 2025 16:53

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

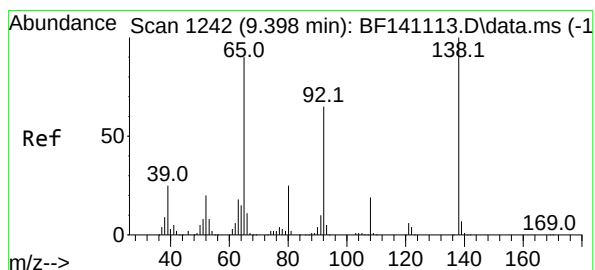
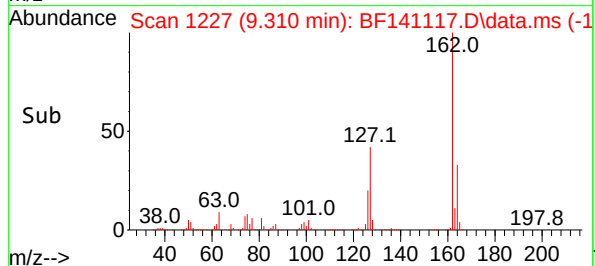
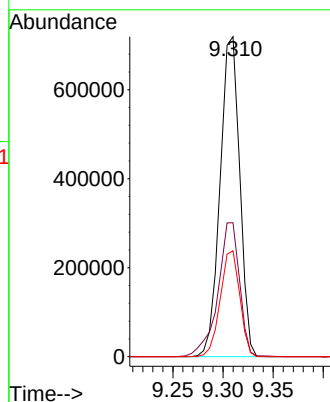
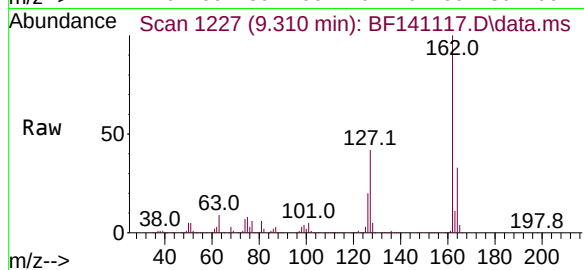
Tgt Ion:162 Resp: 979002

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

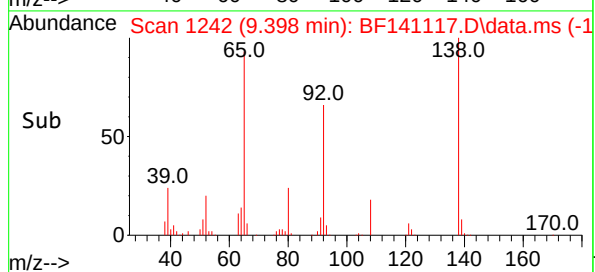
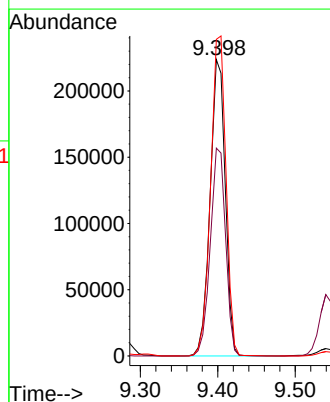
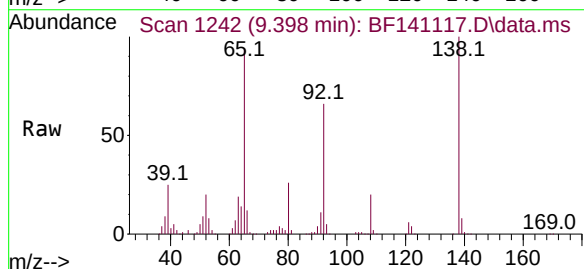
Tgt Ion: 65 Resp: 304048

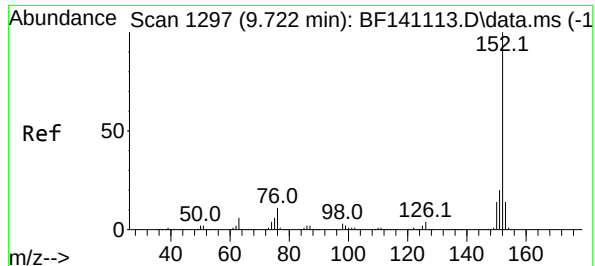
Ion Ratio Lower Upper

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# 1297

Delta R.T. -0.000 min

Lab File: BF141117.D

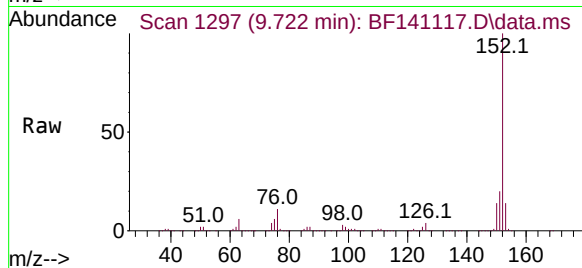
Acq: 10 Jan 2025 16:53

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050



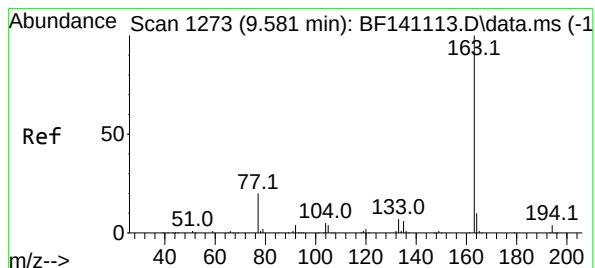
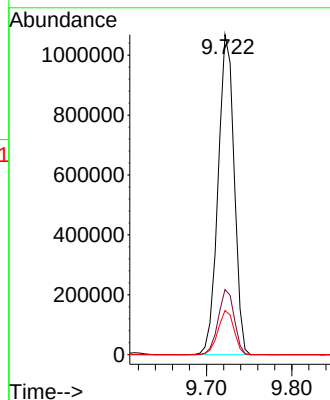
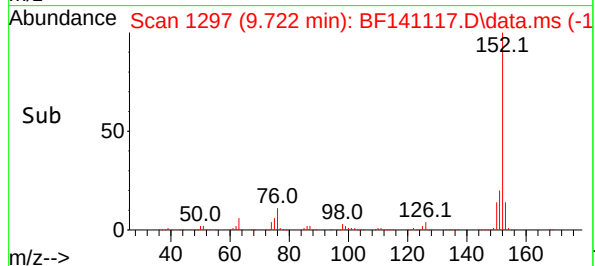
Tgt Ion:152 Resp: 1398990

Ion Ratio Lower Upper

152 100

151 20.3 16.1 24.1

153 13.8 11.1 16.7



#50

Dimethylphthalate

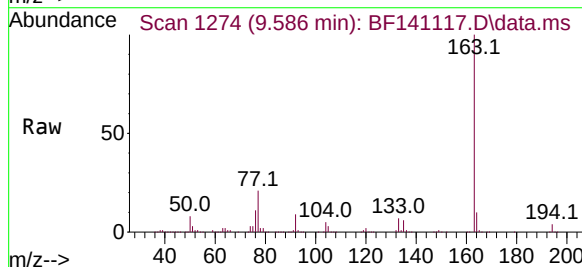
Concen: 49.076 ng

RT: 9.586 min Scan# 1274

Delta R.T. 0.006 min

Lab File: BF141117.D

Acq: 10 Jan 2025 16:53



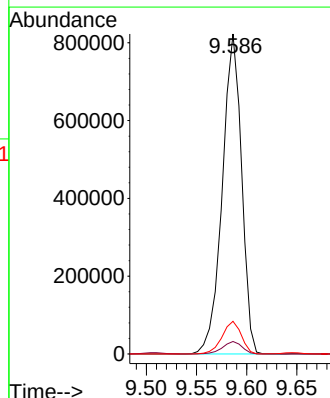
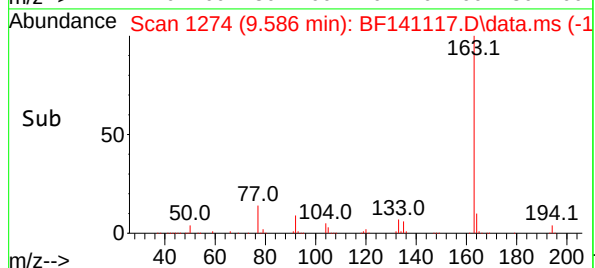
Tgt Ion:163 Resp: 1098805

Ion Ratio Lower Upper

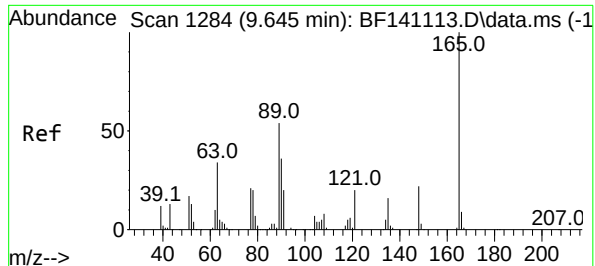
163 100

194 3.9 3.0 4.6

164 10.2 8.2 12.4



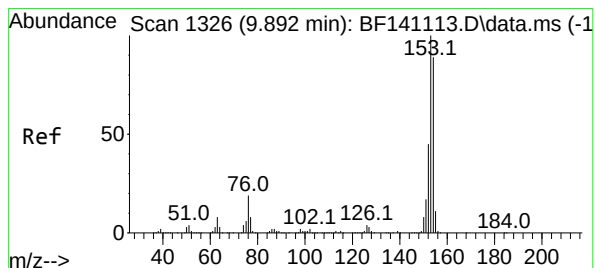
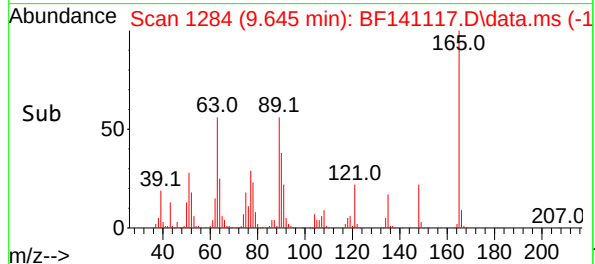
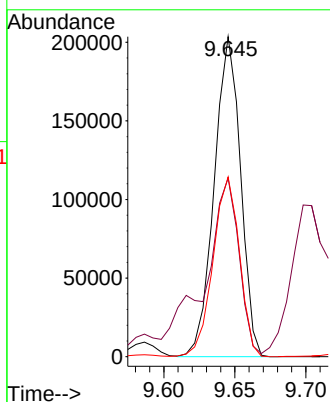
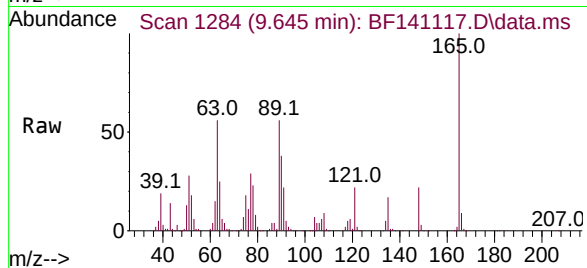




#51  
2,6-Dinitrotoluene  
Concen: 50.434 ng  
RT: 9.645 min Scan# 1284  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

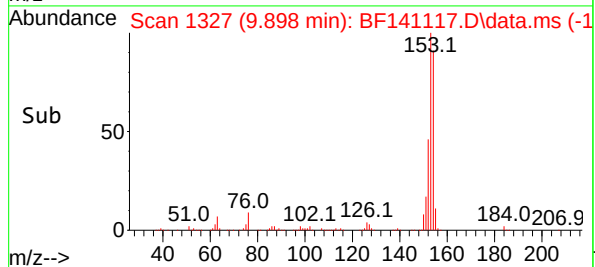
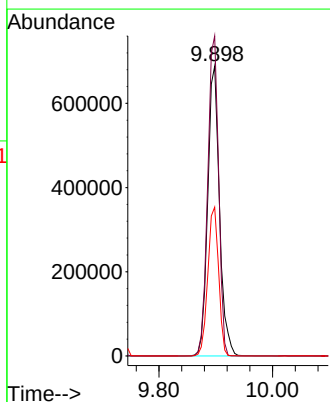
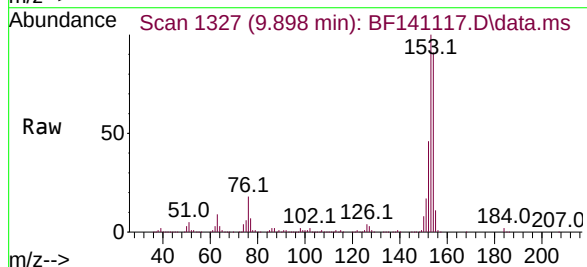
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

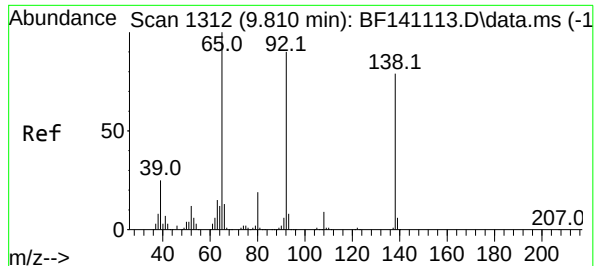
Tgt Ion:165 Resp: 262596  
Ion Ratio Lower Upper  
165 100  
63 55.8 42.3 63.5  
89 56.1 43.1 64.7



#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

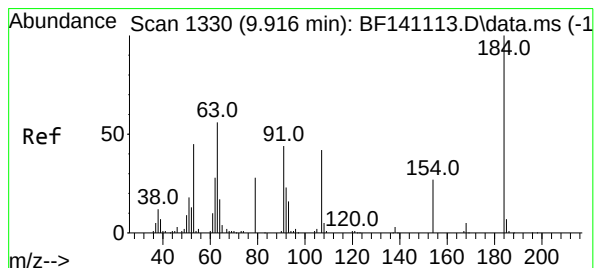
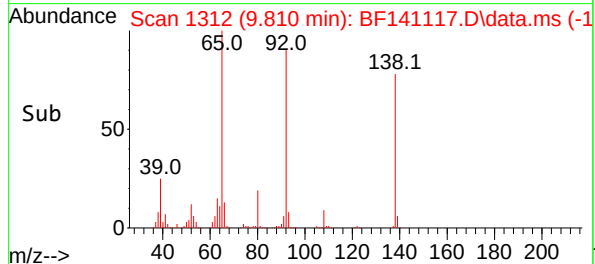
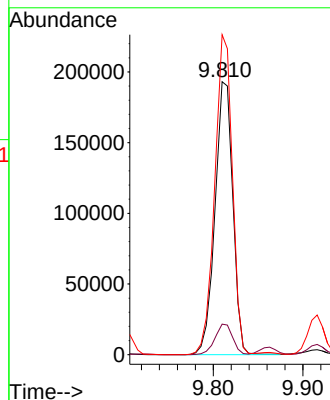
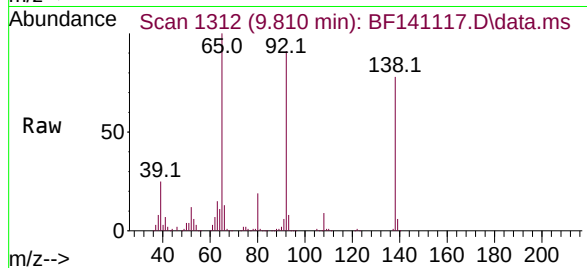




#53  
3-Nitroaniline  
Concen: 50.440 ng  
RT: 9.810 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

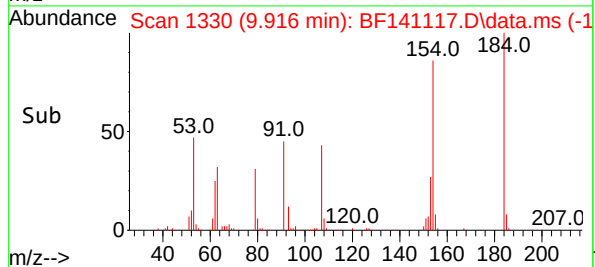
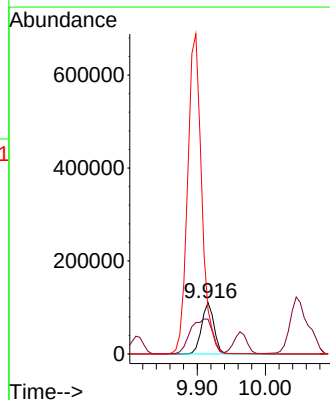
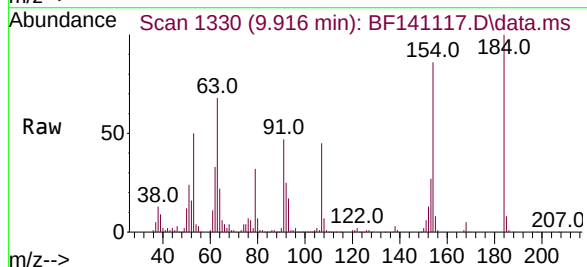
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

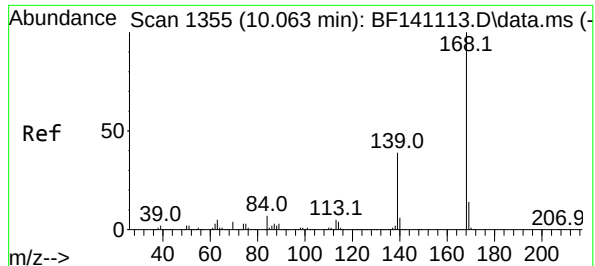
Tgt Ion:138 Resp: 266881  
Ion Ratio Lower Upper  
138 100  
108 11.2 8.8 13.2  
92 117.2 91.3 136.9



#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

Dibenzenofuran

Concen: 48.261 ng

RT: 10.069 min Scan# 1356

Delta R.T. 0.006 min

Lab File: BF141117.D

Acq: 10 Jan 2025 16:53

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

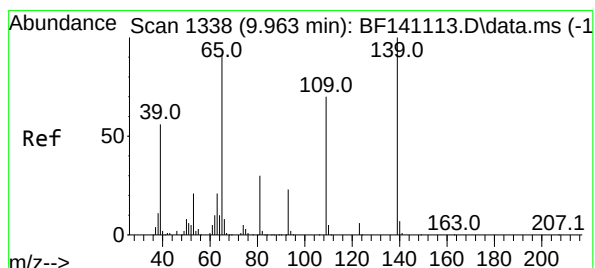
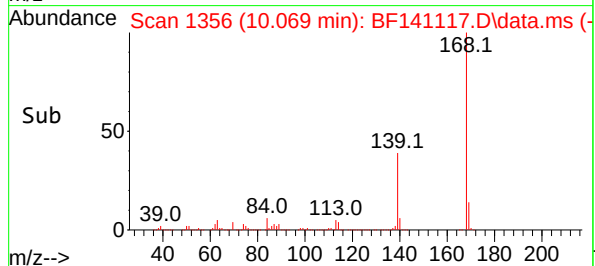
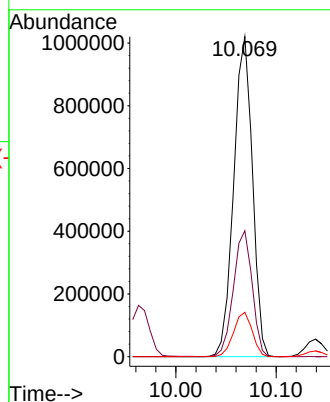
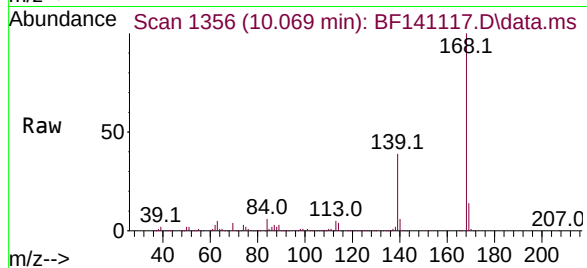
Tgt Ion:168 Resp: 1321844

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

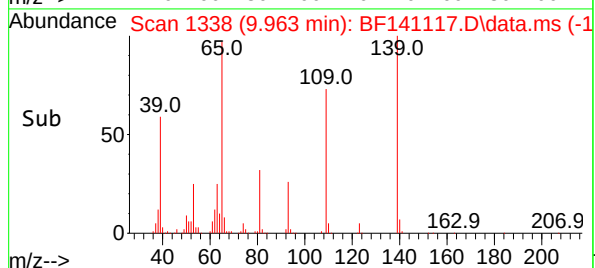
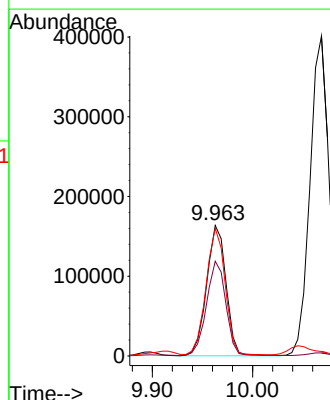
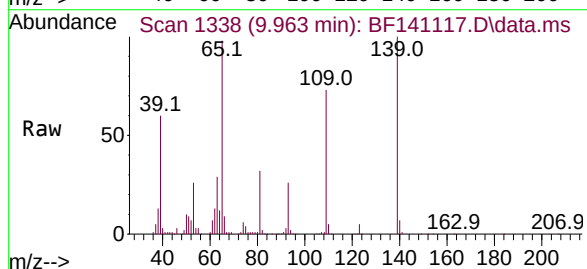
Tgt Ion:139 Resp: 220382

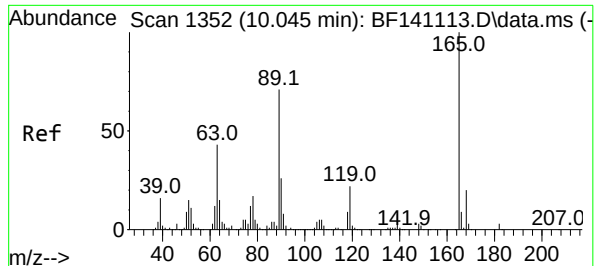
Ion Ratio Lower Upper

139 100

109 72.5 50.2 90.2

65 97.7 72.1 112.1

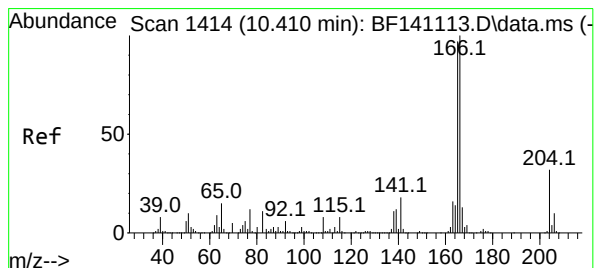
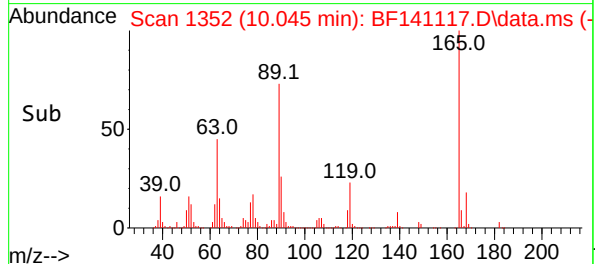
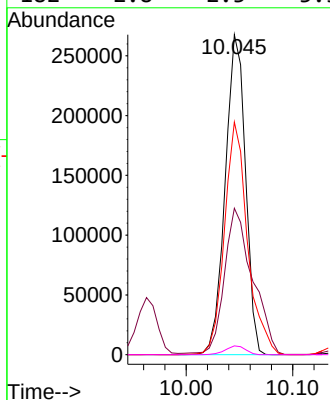
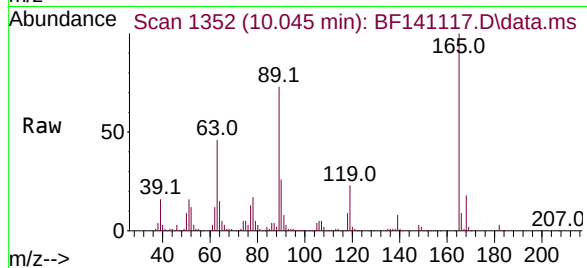




#57  
2,4-Dinitrotoluene  
Concen: 52.728 ng  
RT: 10.045 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

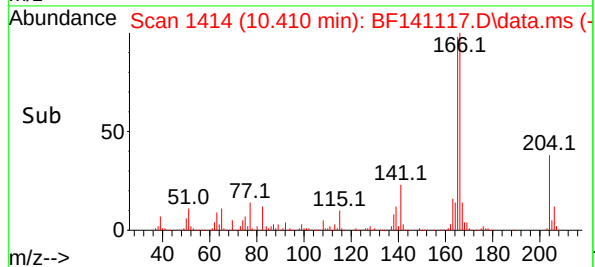
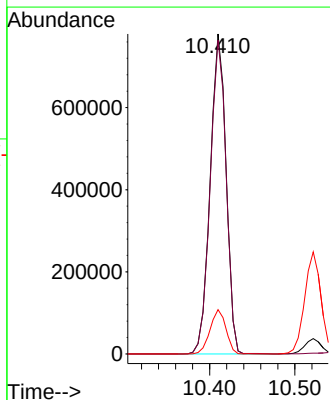
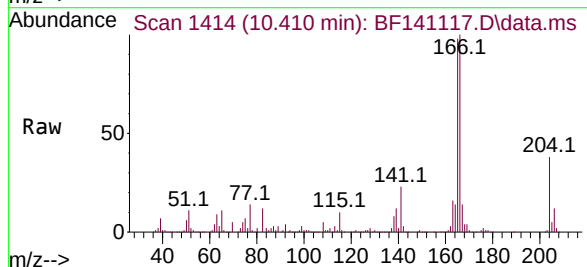
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

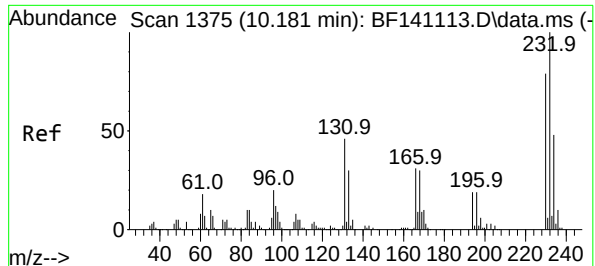
Tgt Ion:165 Resp: 353808  
Ion Ratio Lower Upper  
165 100  
63 45.8 35.0 52.4  
89 72.7 56.7 85.1  
182 2.8 2.3 3.5



#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

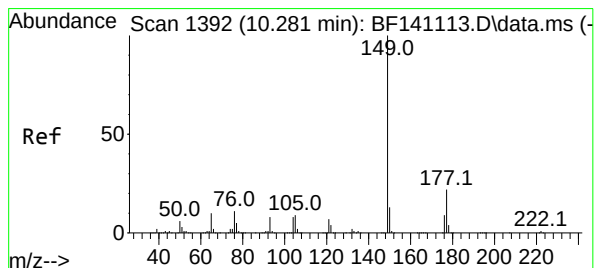
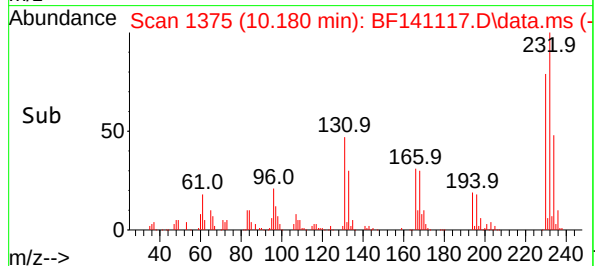
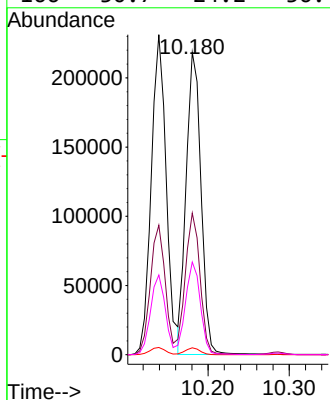
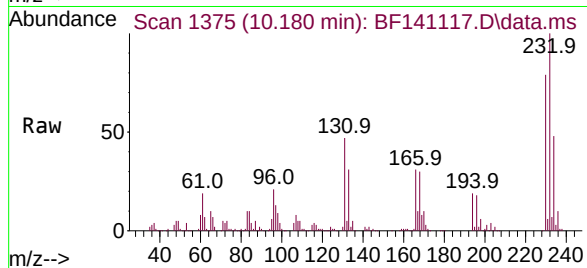




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 49.019 ng  
RT: 10.180 min Scan# 1375  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

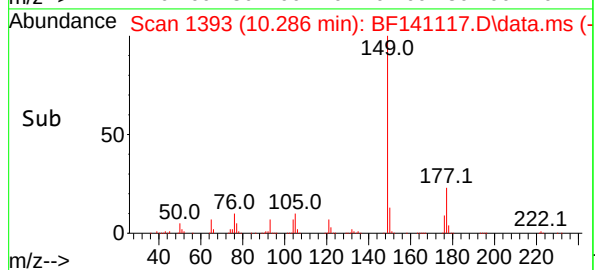
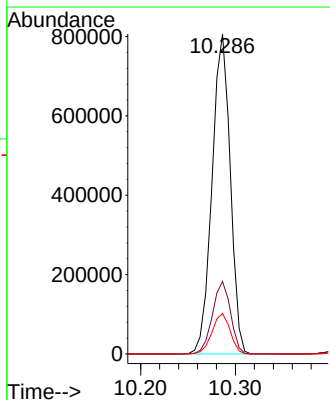
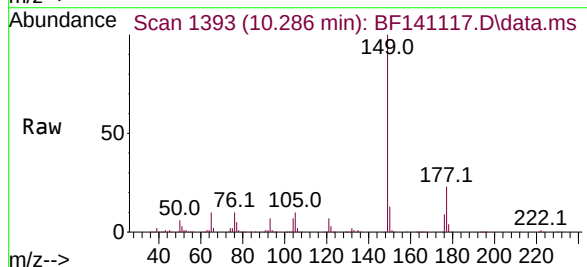
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

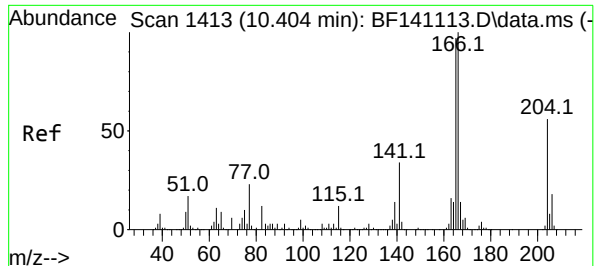
Tgt Ion:232 Resp: 277818  
Ion Ratio Lower Upper  
232 100  
131 46.8 36.2 54.4  
130 2.3 2.0 3.0  
166 30.7 24.2 36.4



#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

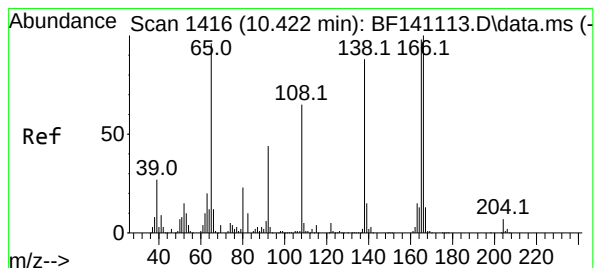
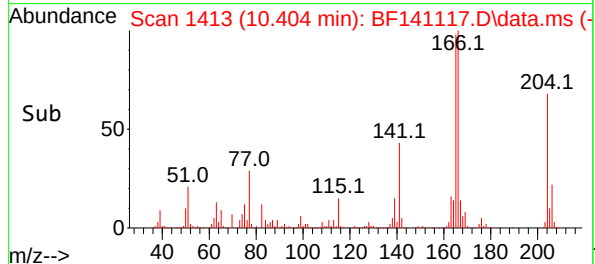
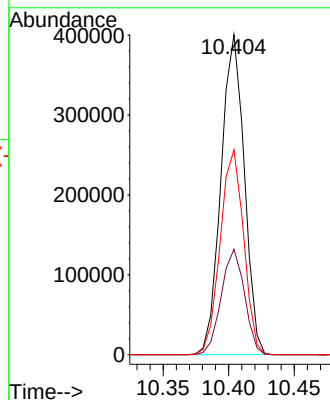
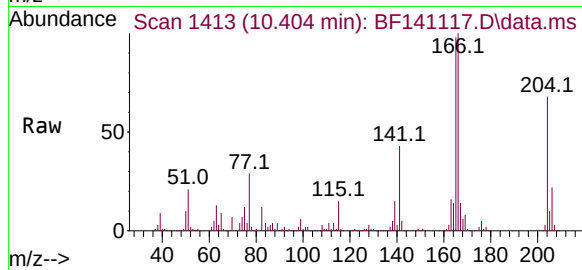




#61  
4-Chlorophenyl-phenylether  
Concen: 47.665 ng  
RT: 10.404 min Scan# 1413  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

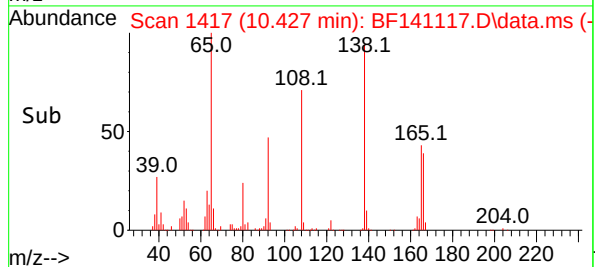
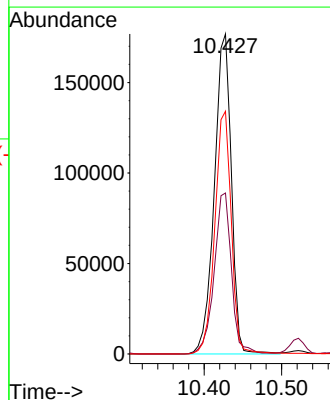
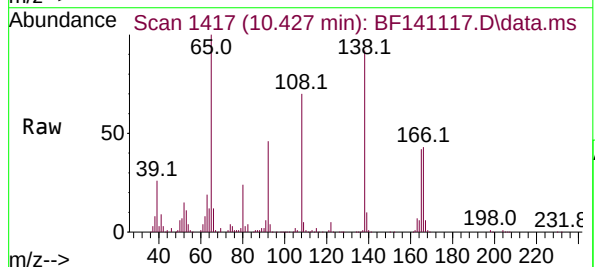
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

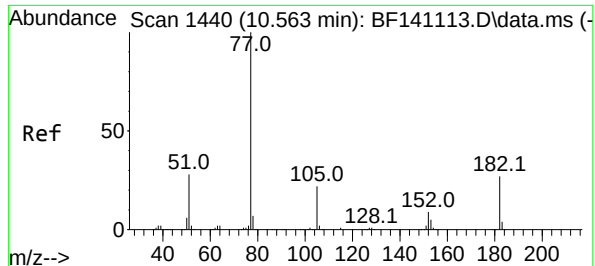
Tgt Ion:204 Resp: 494329  
Ion Ratio Lower Upper  
204 100  
206 32.9 25.9 38.9  
141 64.0 49.1 73.7



#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

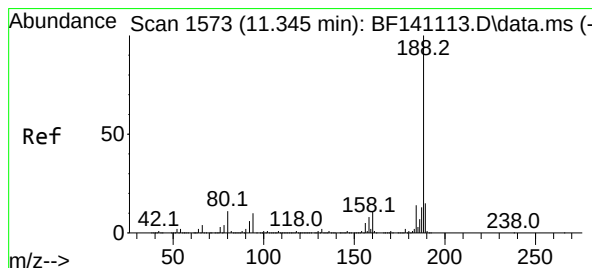
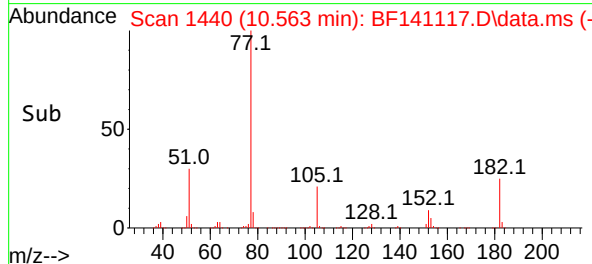
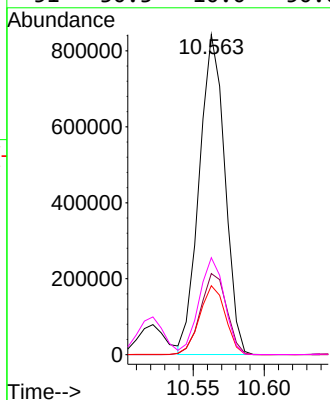
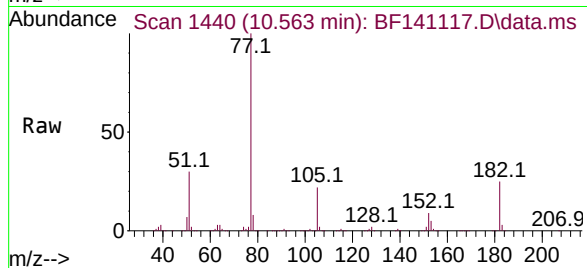




#63  
Azobenzene  
Concen: 48.881 ng  
RT: 10.563 min Scan# 1440  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

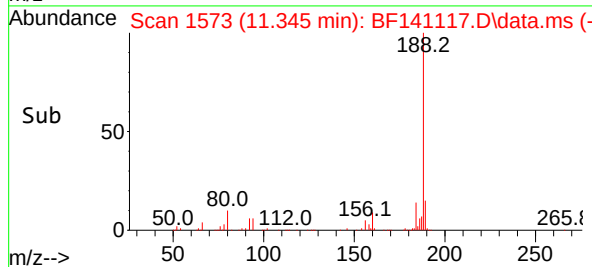
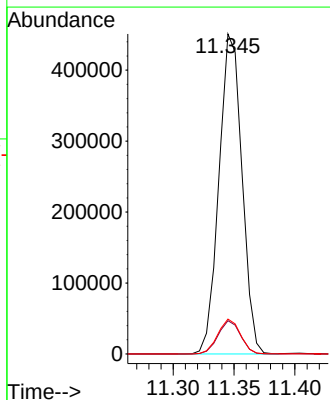
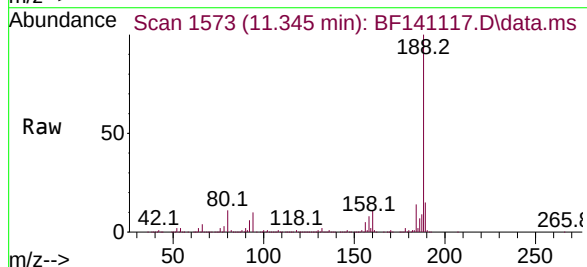
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

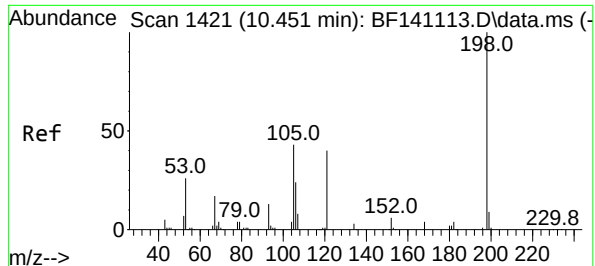
Tgt Ion: 77 Resp: 1054277  
Ion Ratio Lower Upper  
77 100  
182 25.4 6.1 46.1  
105 21.6 2.1 42.1  
51 30.3 10.0 50.0



#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

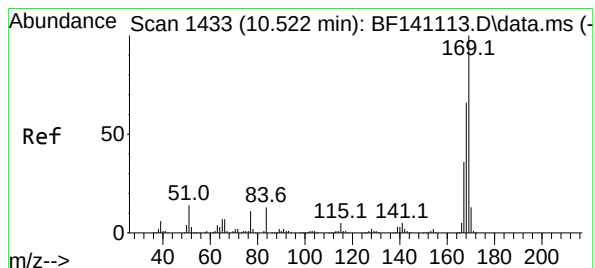
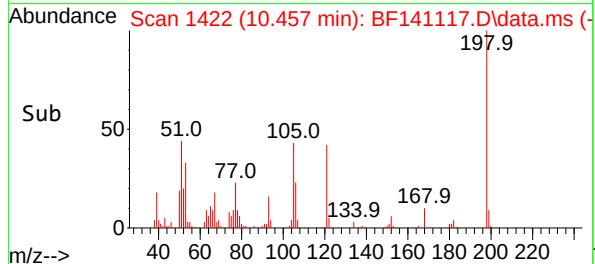
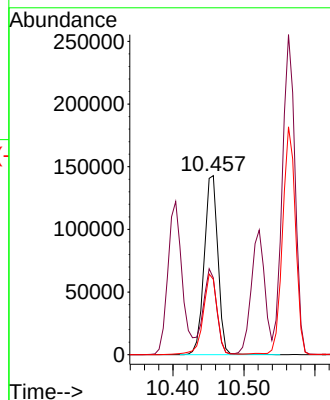
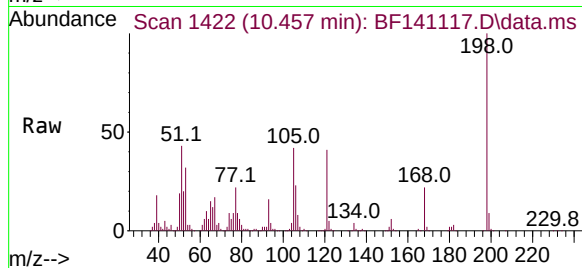




#65  
4,6-Dinitro-2-methylphenol  
Concen: 55.890 ng  
RT: 10.457 min Scan# 1422  
Delta R.T. 0.006 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

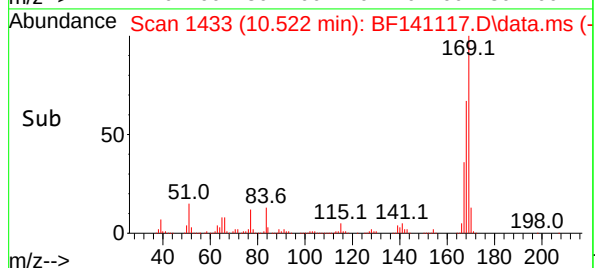
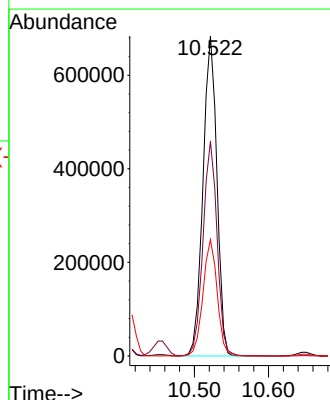
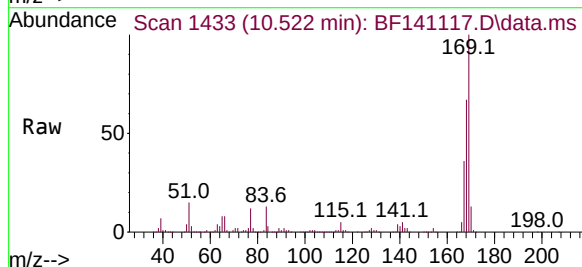
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

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

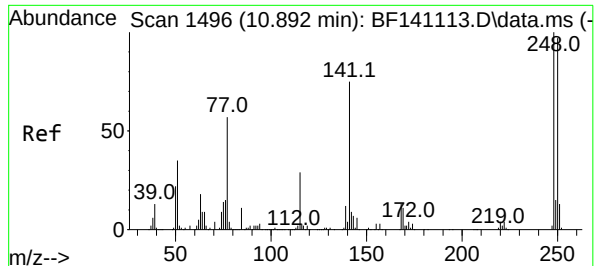


#66  
n-Nitrosodiphenylamine  
Concen: 46.748 ng  
RT: 10.522 min Scan# 1433  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

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



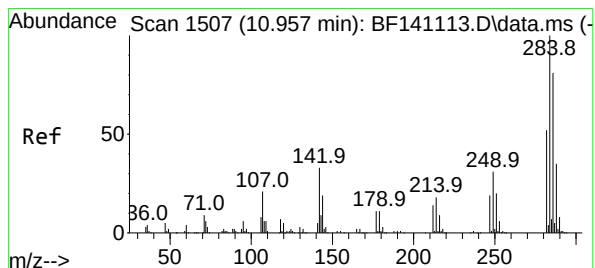
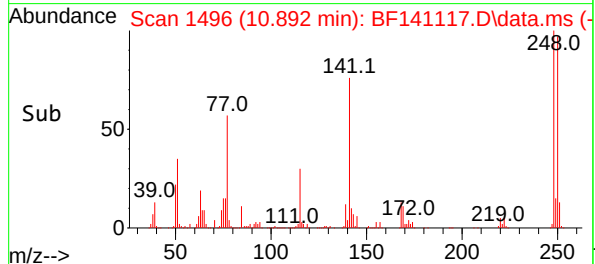
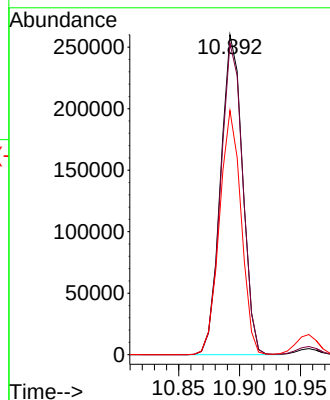
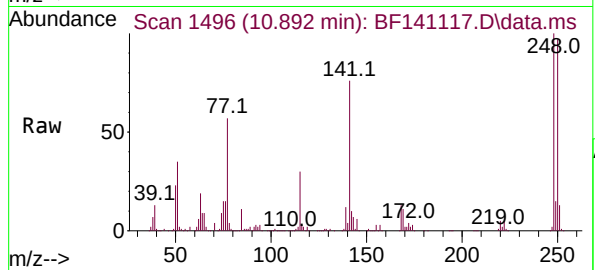




#67  
4-Bromophenyl-phenylether  
Concen: 47.810 ng  
RT: 10.892 min Scan# 1496  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

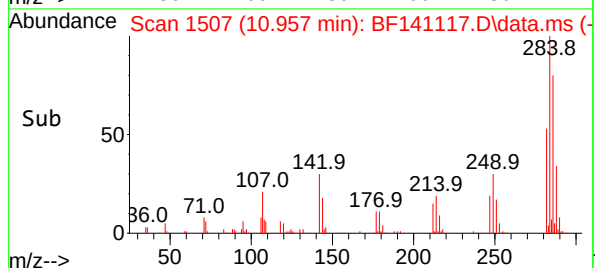
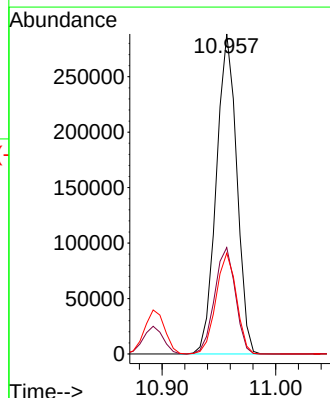
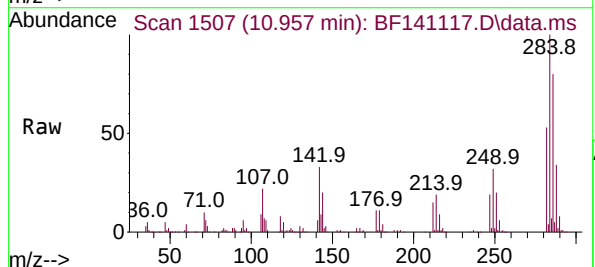
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

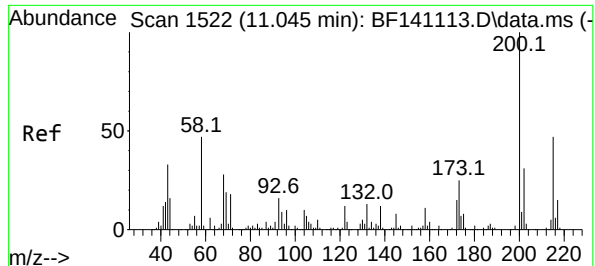
Tgt Ion:248 Resp: 326554  
Ion Ratio Lower Upper  
248 100  
250 97.3 77.9 116.9  
141 76.3 59.9 89.9



#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# 1523

Delta R.T. 0.006 min

Lab File: BF141117.D

Acq: 10 Jan 2025 16:53

Instrument :

BNA\_F

ClientSampleId :

SSTDIC050

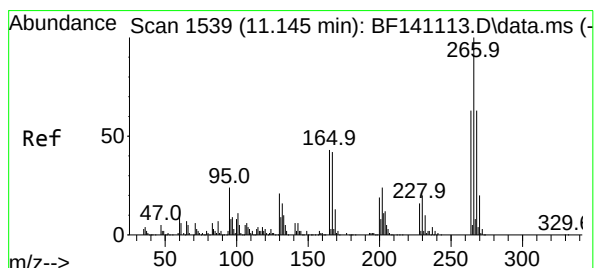
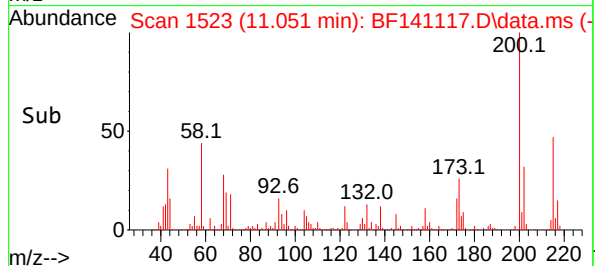
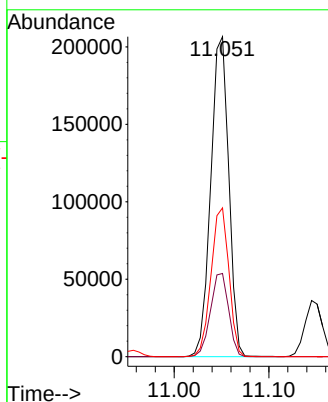
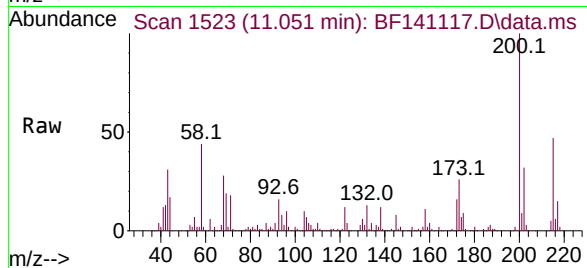
Tgt Ion:200 Resp: 272232

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

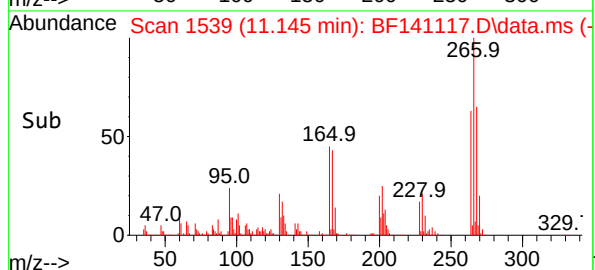
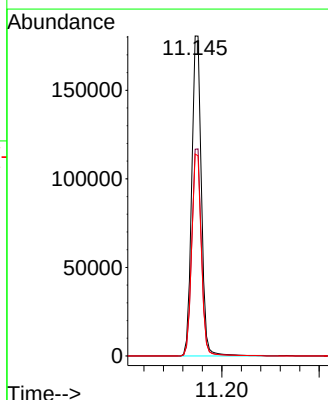
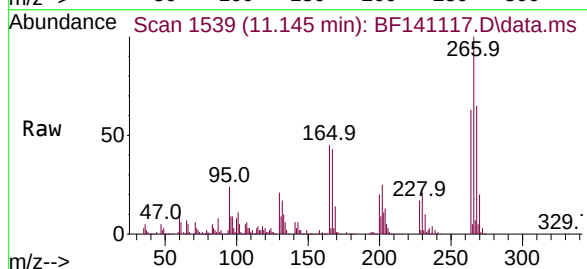
Tgt Ion:266 Resp: 250381

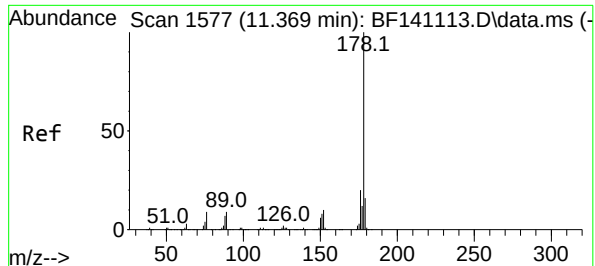
Ion Ratio Lower Upper

266 100

268 64.6 50.4 75.6

264 63.1 50.2 75.2

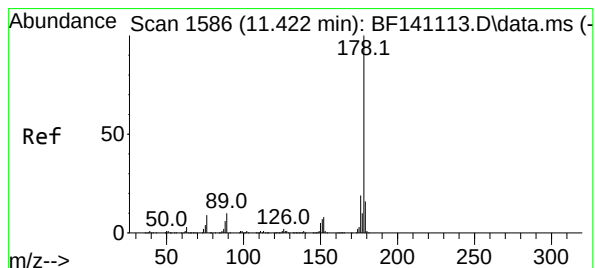
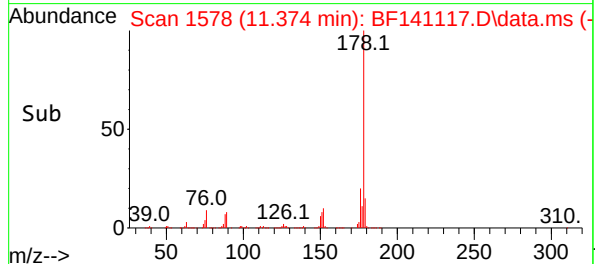
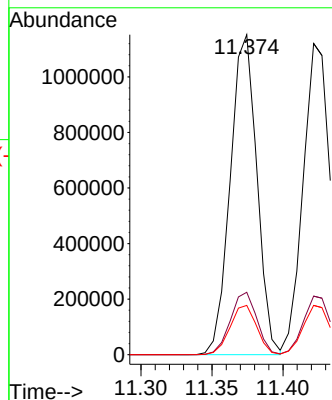
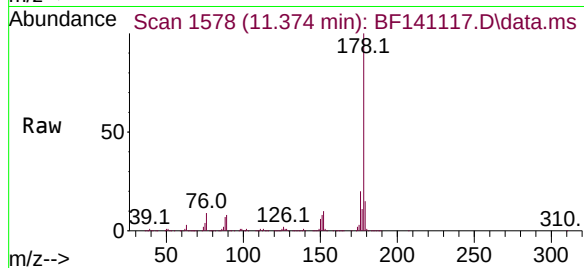




#71  
Phenanthrene  
Concen: 47.203 ng  
RT: 11.374 min Scan# 1577  
Delta R.T. 0.006 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

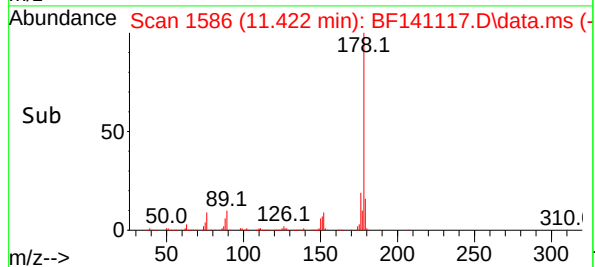
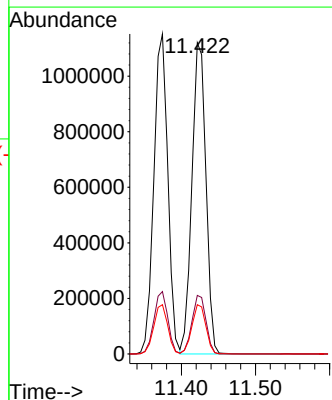
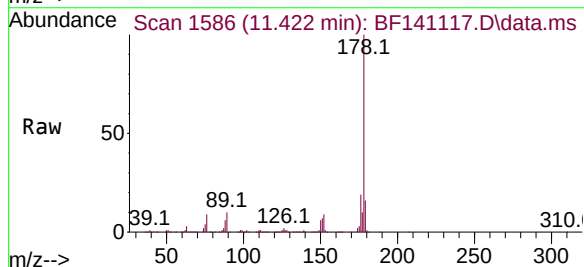
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

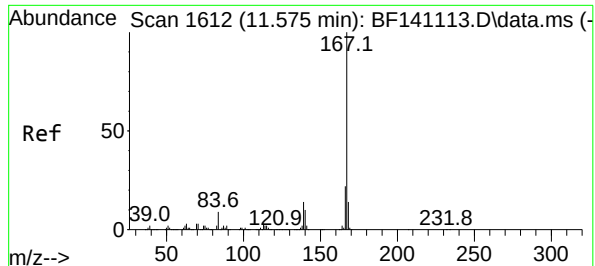
Tgt Ion:178 Resp: 1503408  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.7 23.5  
179 15.4 12.6 19.0



#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

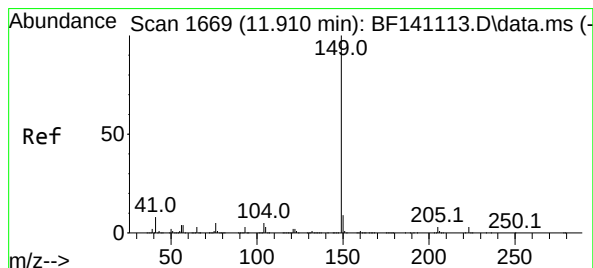
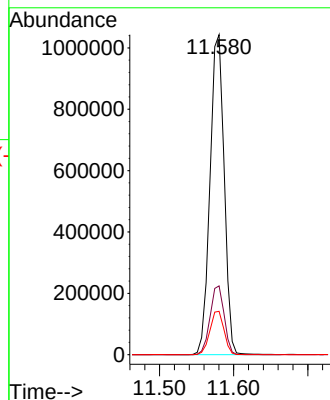
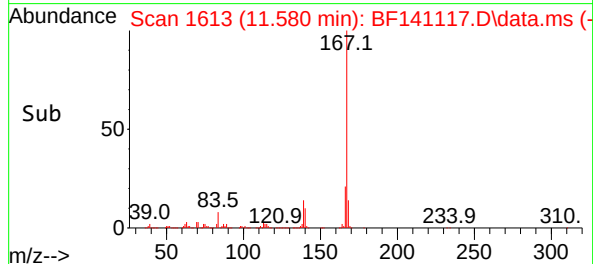
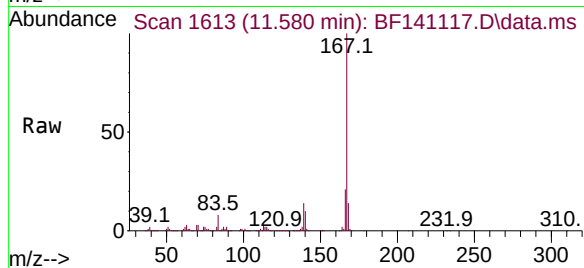




#73  
Carbazole  
Concen: 48.815 ng  
RT: 11.580 min Scan# 1612  
Delta R.T. 0.006 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

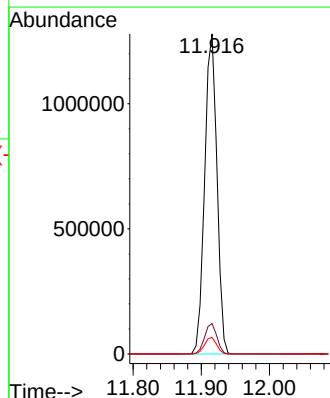
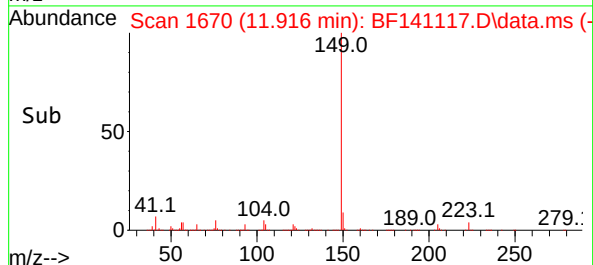
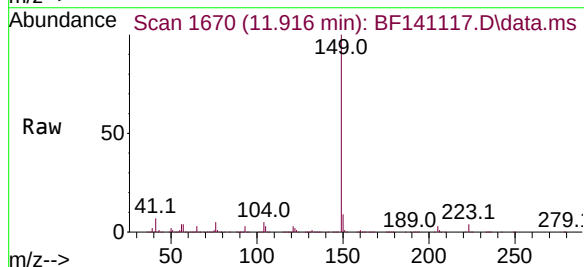
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

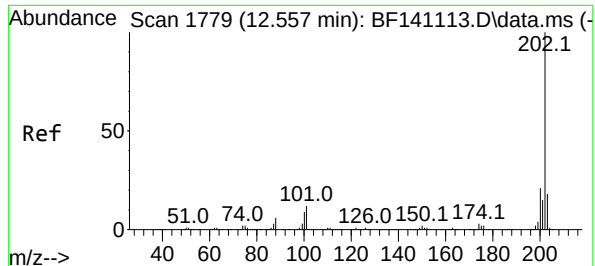
Tgt Ion:167 Resp: 1386206  
Ion Ratio Lower Upper  
167 100  
166 21.5 17.4 26.2  
139 13.6 10.9 16.3



#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

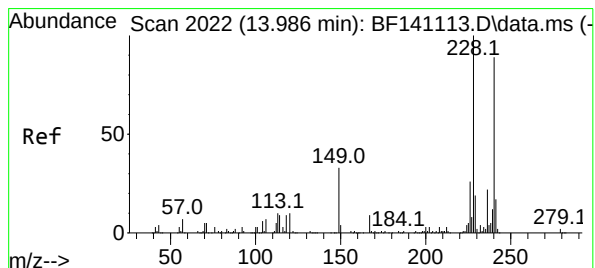
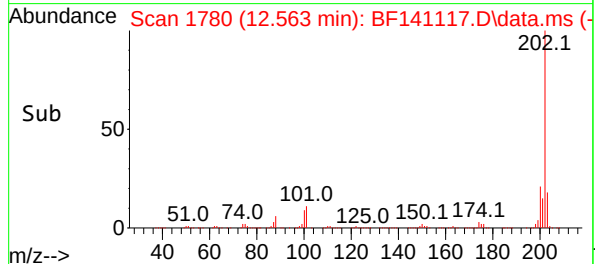
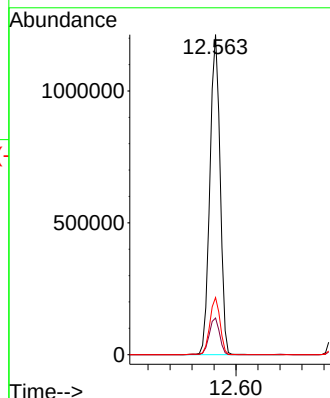
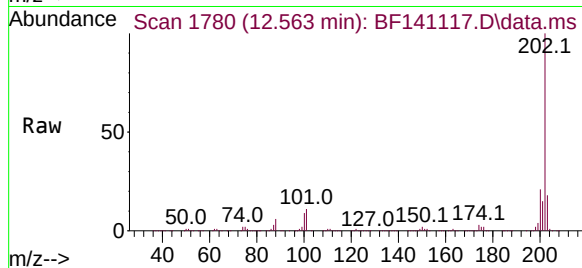




#75  
Fluoranthene  
Concen: 49.037 ng  
RT: 12.563 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

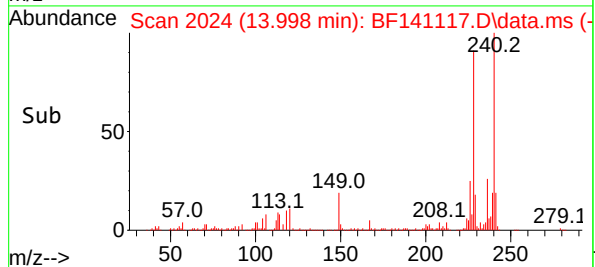
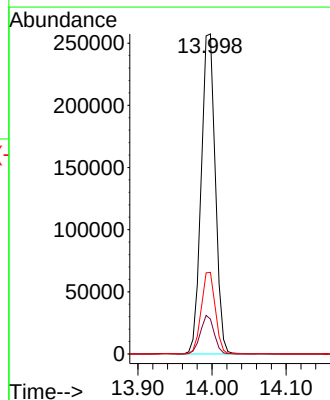
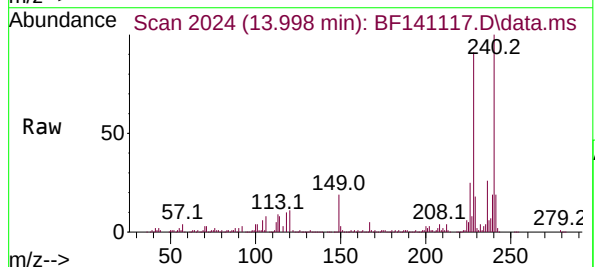
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

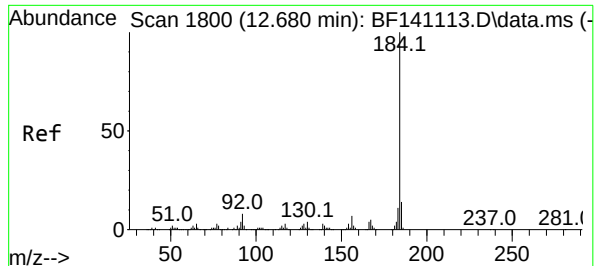
Tgt Ion:202 Resp: 1558556  
Ion Ratio Lower Upper  
202 100  
101 11.5 0.0 32.3  
203 17.9 0.0 37.7



#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

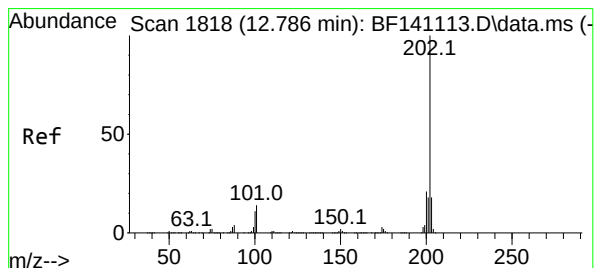
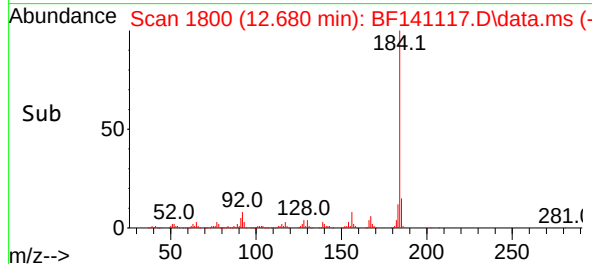
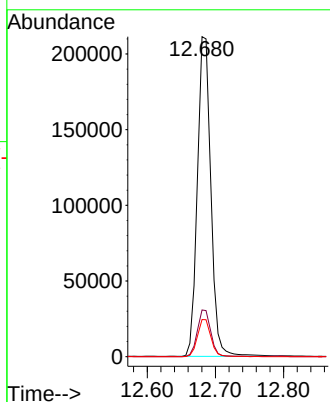
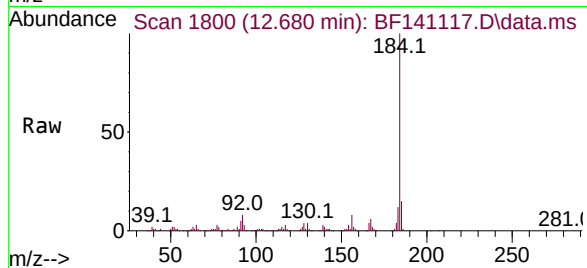




#77  
Benzidine  
Concen: 45.814 ng  
RT: 12.680 min Scan# 1800  
Delta R.T. -0.000 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

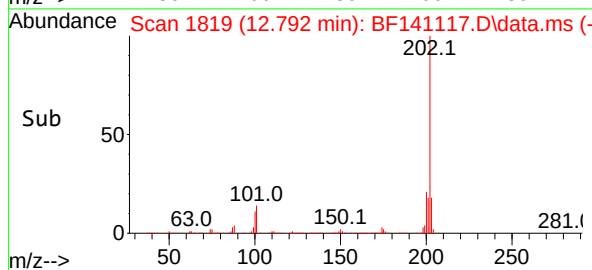
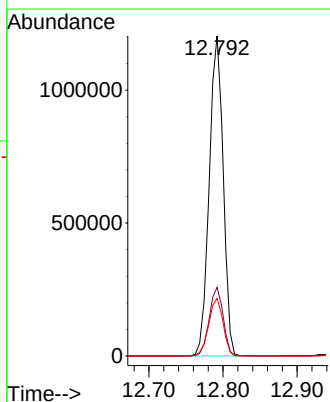
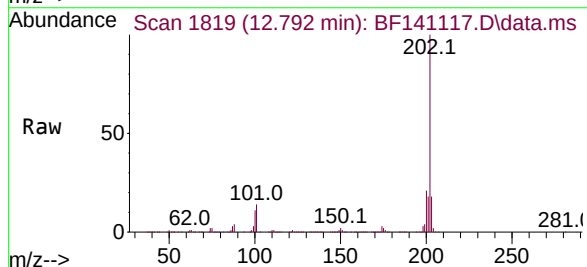
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

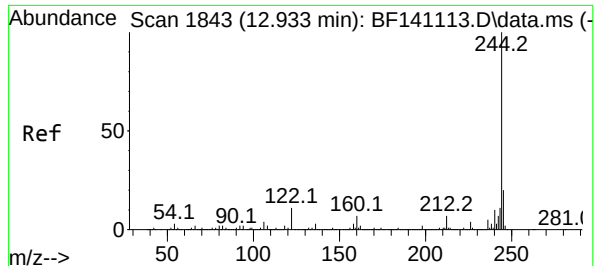
Tgt Ion:184 Resp: 290459  
Ion Ratio Lower Upper  
184 100  
185 14.6 11.4 17.0  
183 11.6 9.2 13.8



#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

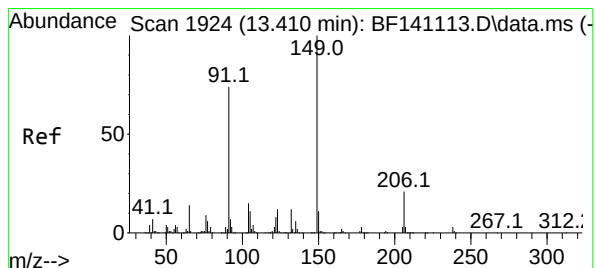
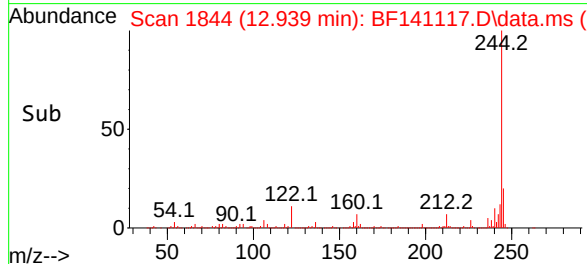
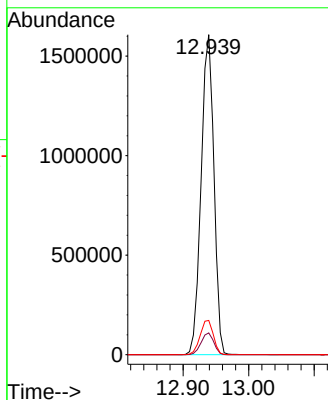
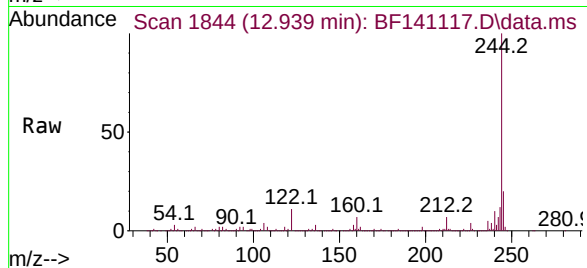




#79  
Terphenyl-d14  
Concen: 95.134 ng  
RT: 12.939 min Scan# 1844  
Delta R.T. 0.006 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

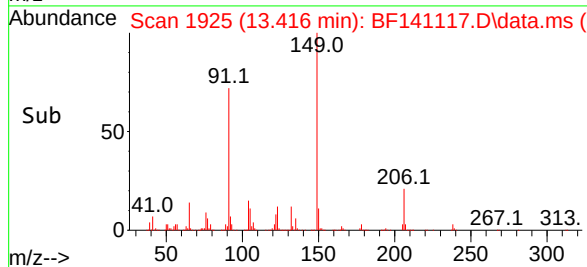
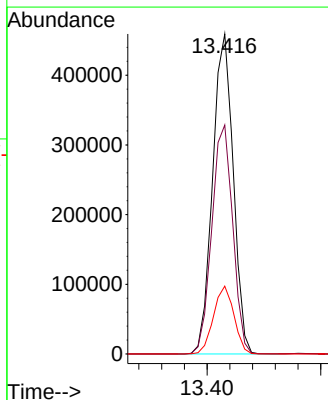
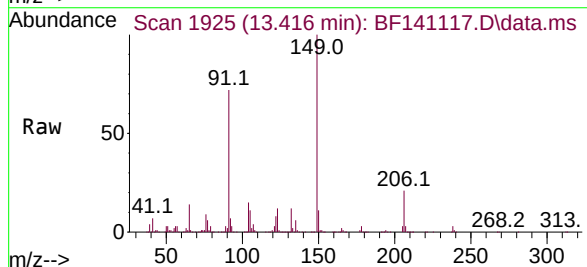
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

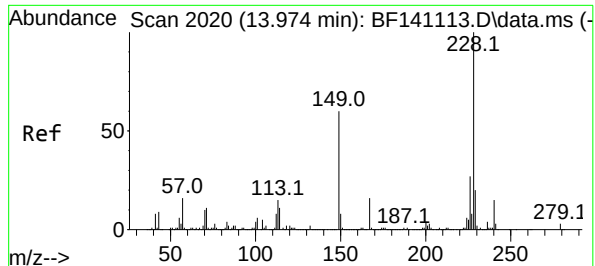
Tgt Ion:244 Resp: 2188278  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.4 8.2  
122 10.7 8.8 13.2



#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

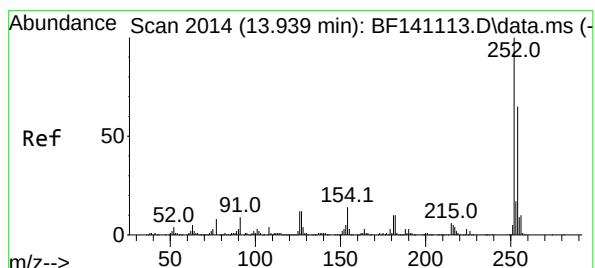
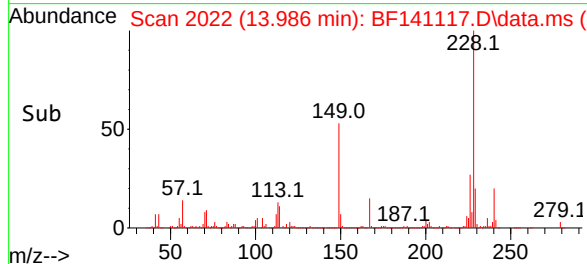
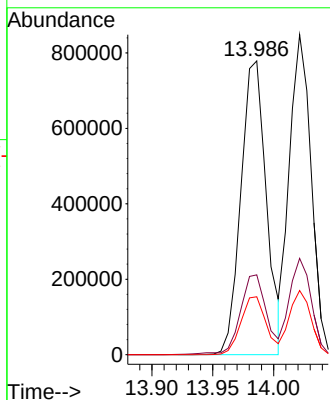
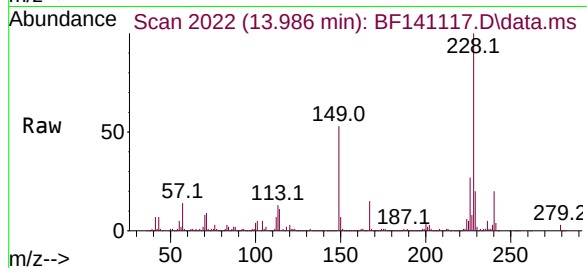




#81  
Benzo(a)anthracene  
Concen: 48.830 ng  
RT: 13.986 min Scan# 2016  
Delta R.T. 0.012 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

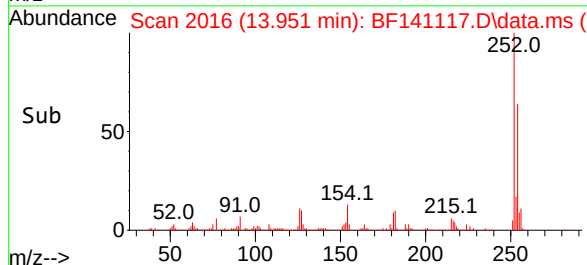
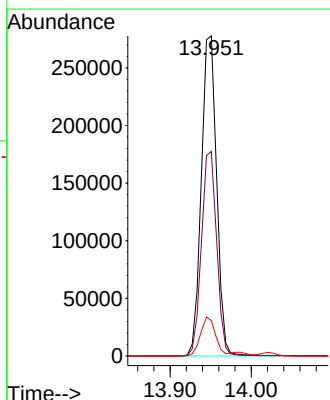
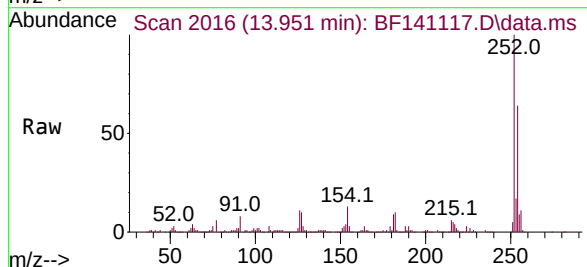
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

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

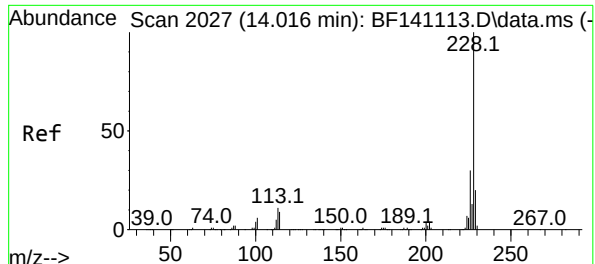


#82  
3,3'-Dichlorobenzidine  
Concen: 49.156 ng  
RT: 13.951 min Scan# 2016  
Delta R.T. 0.012 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

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# 2028

Delta R.T. 0.006 min

Lab File: BF141117.D

Acq: 10 Jan 2025 16:53

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

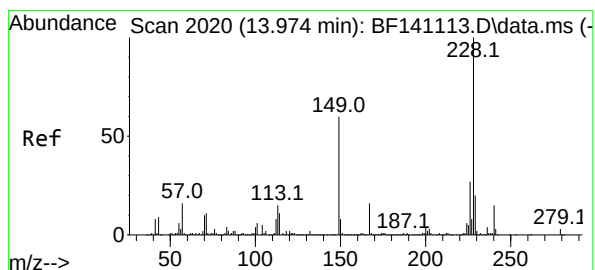
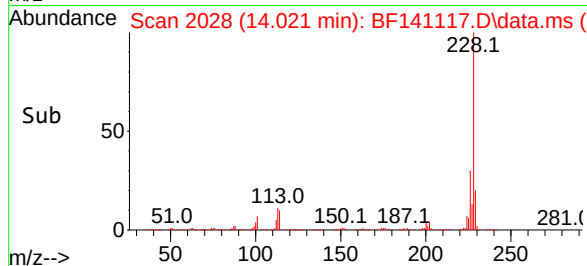
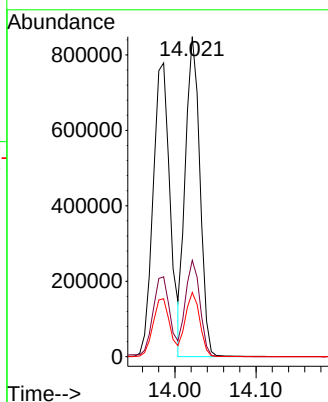
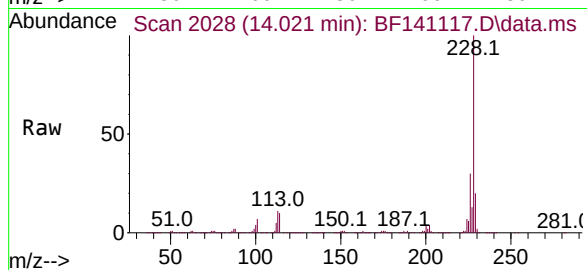
Tgt Ion:228 Resp: 1057551

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

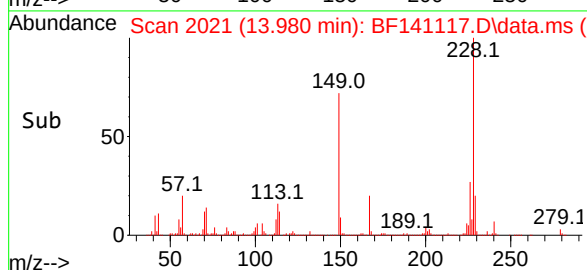
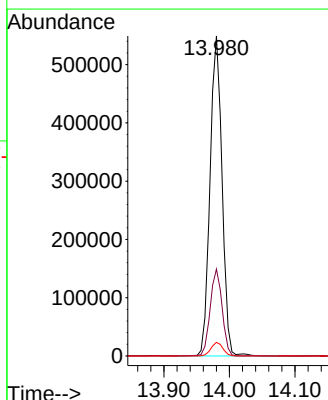
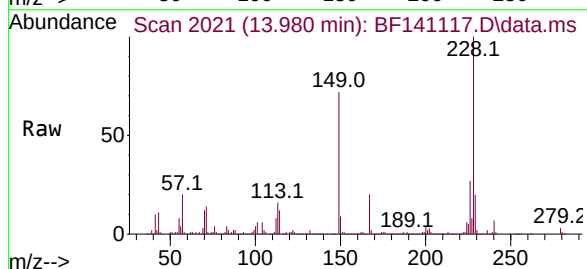
Tgt Ion:149 Resp: 700052

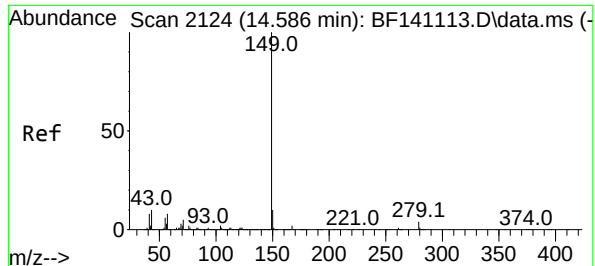
Ion Ratio Lower Upper

149 100

167 27.2 21.4 32.2

279 4.2 3.4 5.2

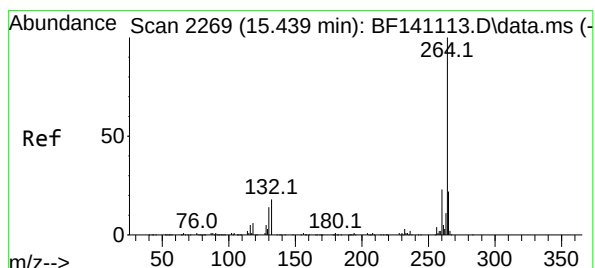
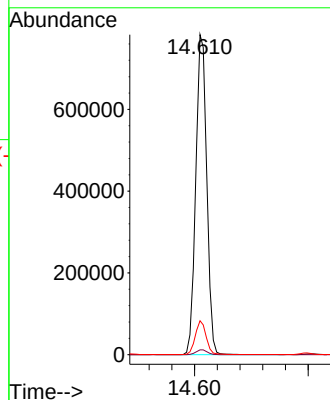
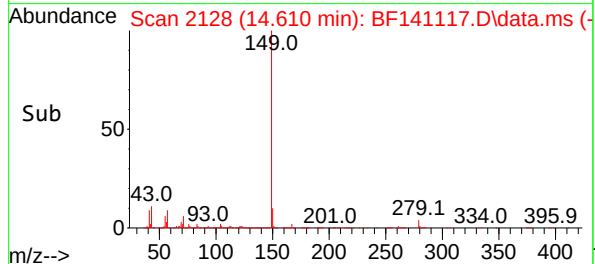
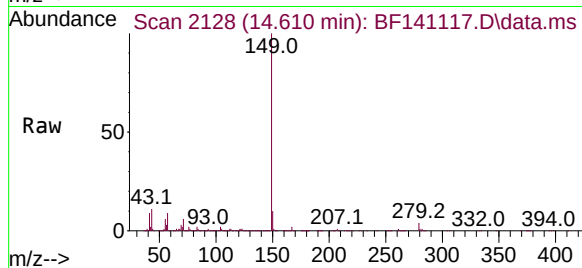




#85  
Di-n-octyl phthalate  
Concen: 53.503 ng  
RT: 14.610 min Scan# 2124  
Delta R.T. 0.023 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

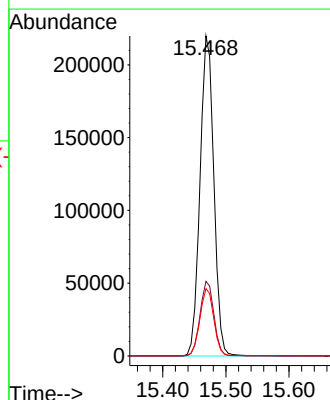
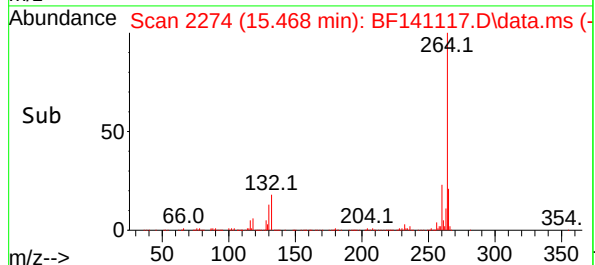
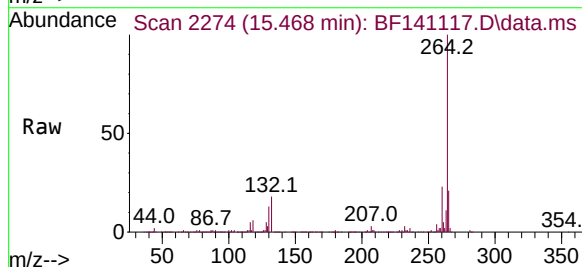
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

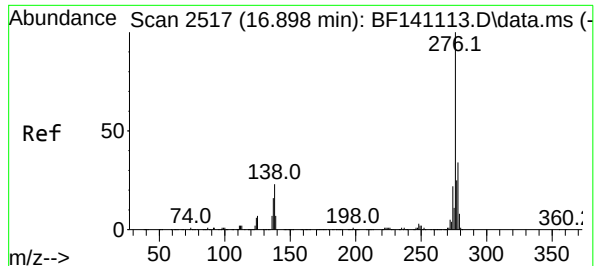
Tgt Ion:149 Resp: 1055383  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 10.4 8.4 12.6



#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

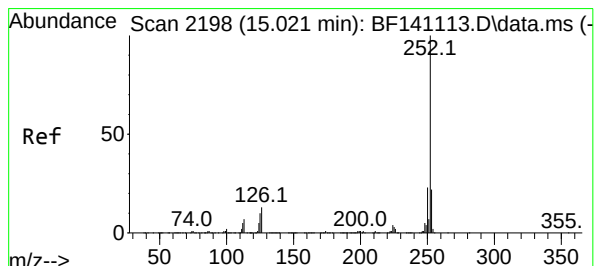
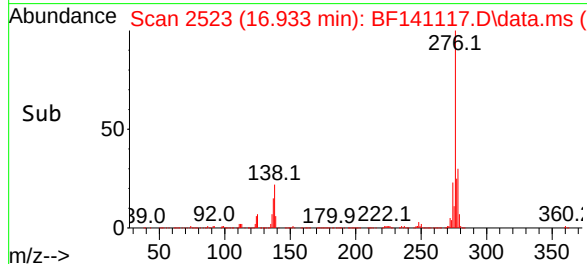
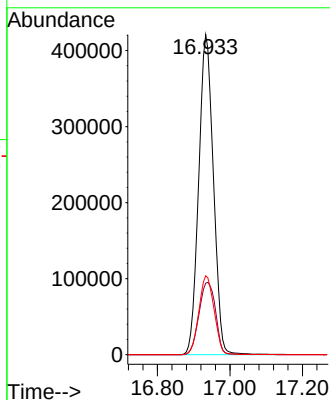
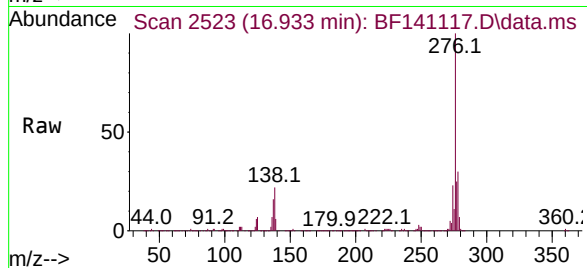




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 48.477 ng  
RT: 16.933 min Scan# 211  
Delta R.T. 0.035 min  
Lab File: BF141117.D  
Acq: 10 Jan 2025 16:53

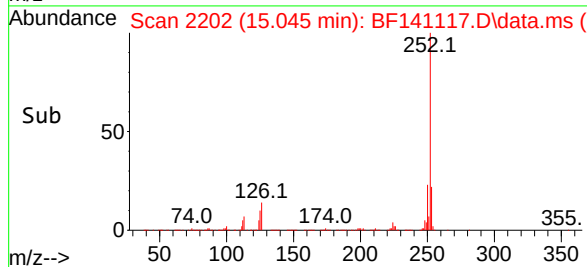
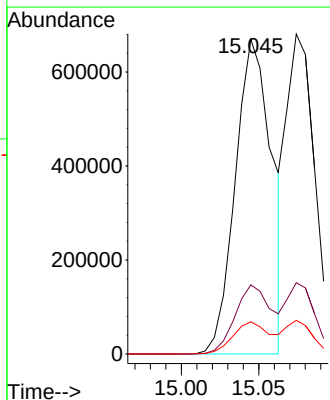
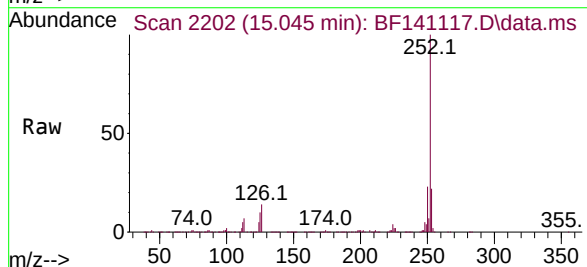
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC050

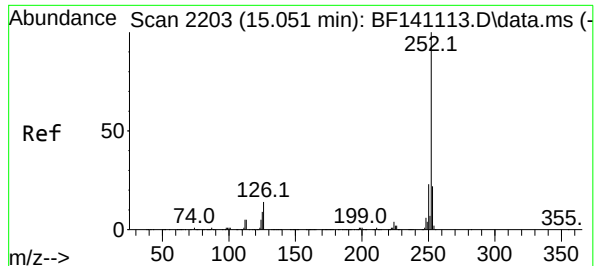
Tgt Ion:276 Resp: 1185030  
Ion Ratio Lower Upper  
276 100  
138 25.5 20.7 31.1  
277 25.6 20.6 30.8



#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# 21

Delta R.T. 0.023 min

Lab File: BF141117.D

Acq: 10 Jan 2025 16:53

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

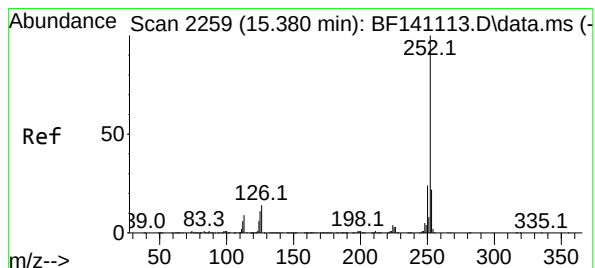
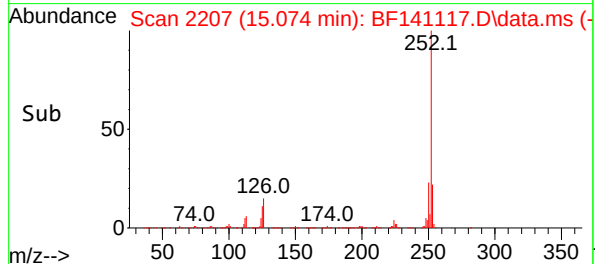
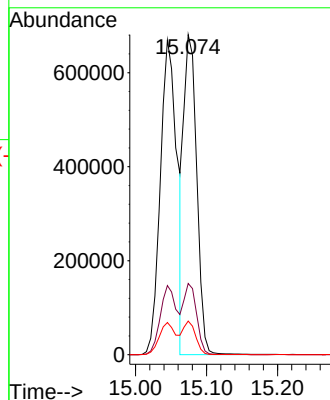
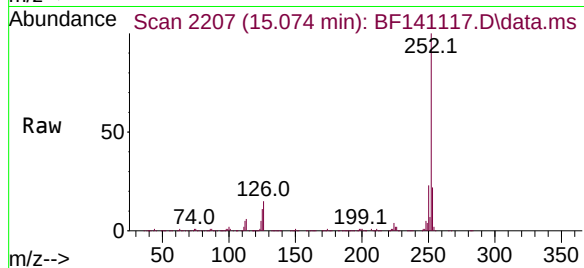
Tgt Ion:252 Resp: 865456

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

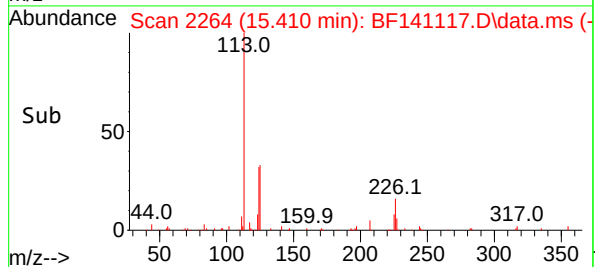
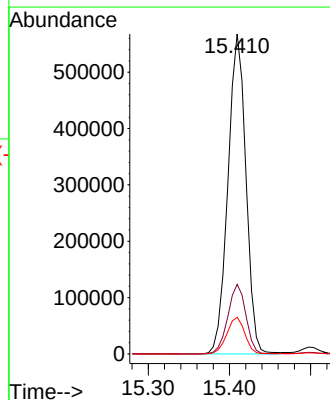
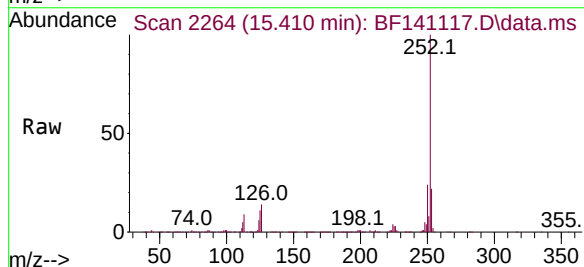
Tgt Ion:252 Resp: 874134

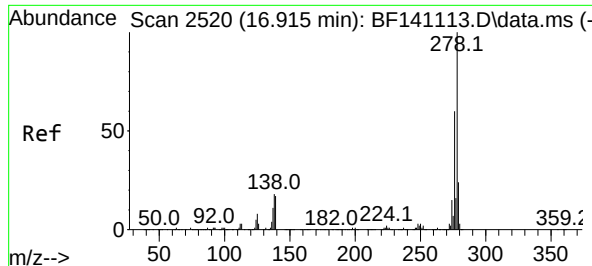
Ion Ratio Lower Upper

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# 2527

Delta R.T. 0.041 min

Lab File: BF141117.D

Acq: 10 Jan 2025 16:53

Instrument :

BNA\_F

ClientSampleId :

SSTDICC050

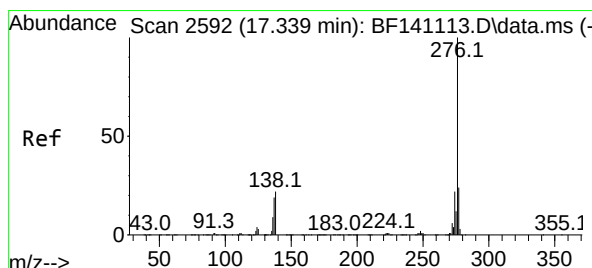
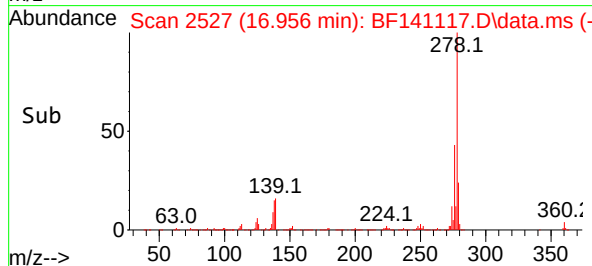
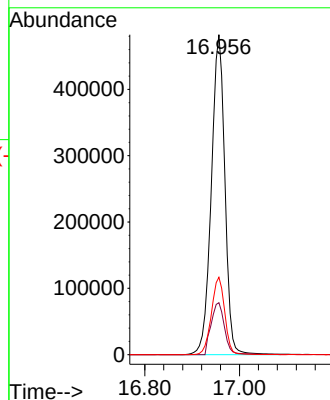
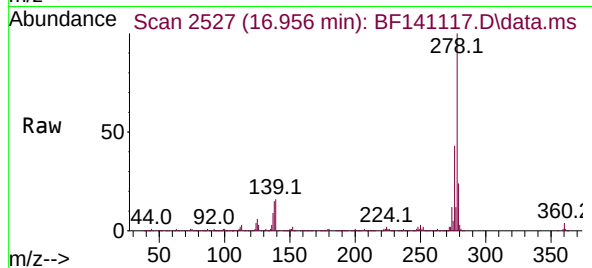
Tgt Ion:278 Resp: 959595

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

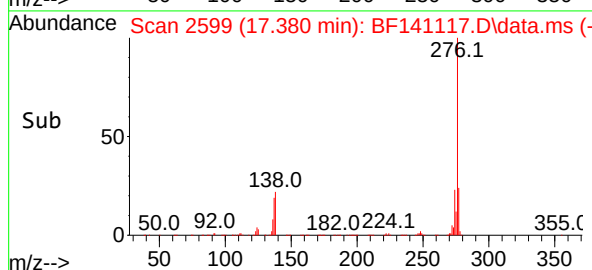
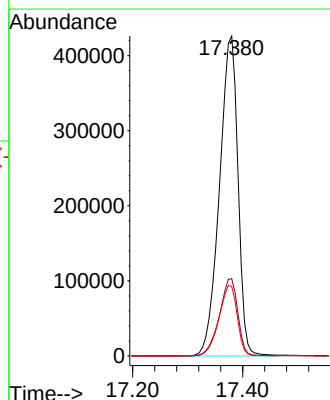
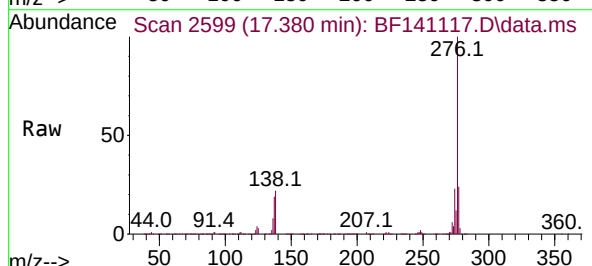
Tgt Ion:276 Resp: 996659

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 21.7 17.4 26.2



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       |

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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

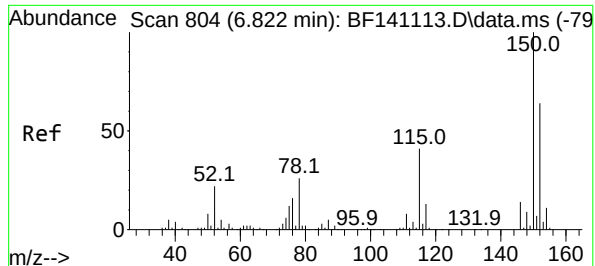
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.134  | 196  | 392463   | 59.706 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 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

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDICC060

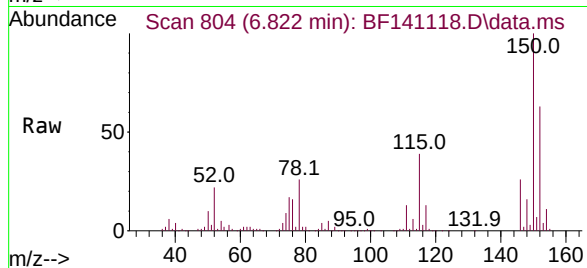
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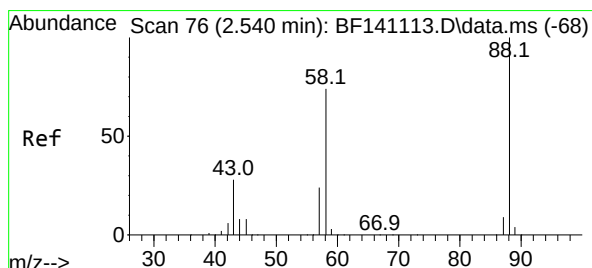
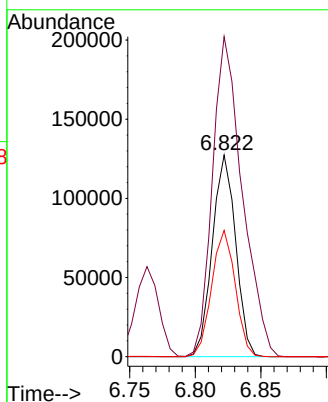
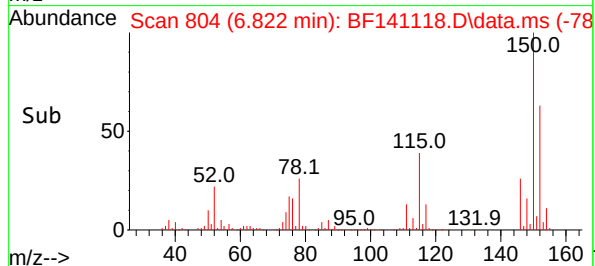


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 80  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

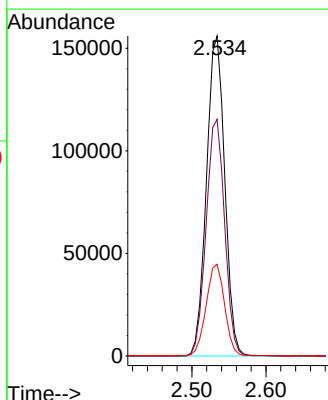
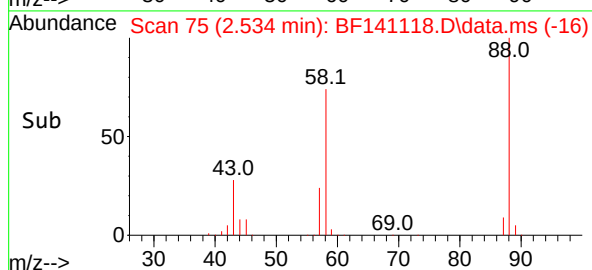
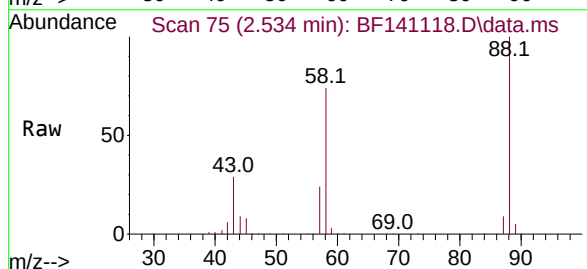


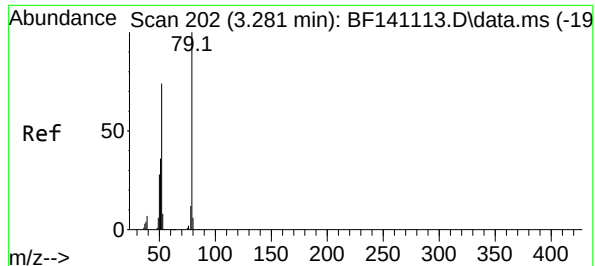
Tgt Ion:152 Resp: 157706  
Ion Ratio Lower Upper  
152 100  
150 158.8 125.8 188.8  
115 62.7 51.4 77.2



#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

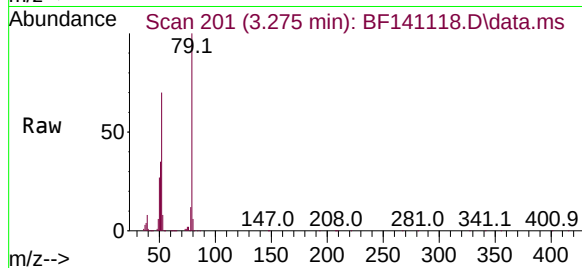
Tgt Ion: 88 Resp: 266794  
Ion Ratio Lower Upper  
88 100  
58 75.0 60.1 90.1  
43 28.7 23.1 34.7



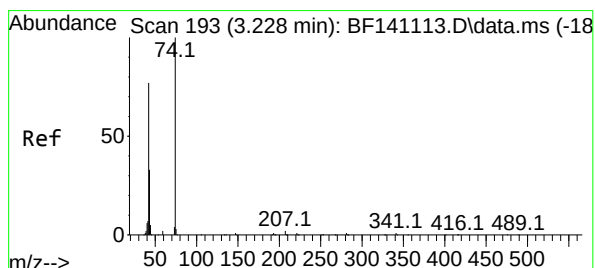
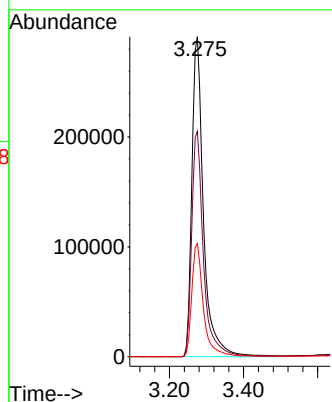
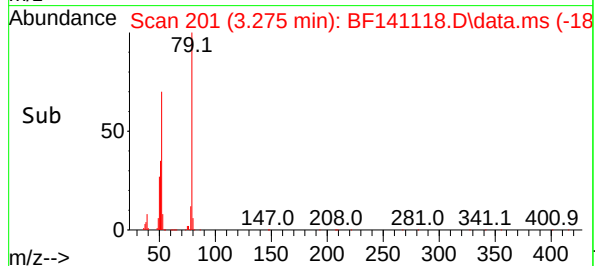


#3  
Pyridine  
Concen: 57.117 ng  
RT: 3.275 min Scan# 20  
Delta R.T. -0.006 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

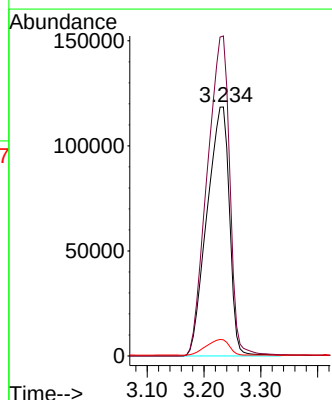
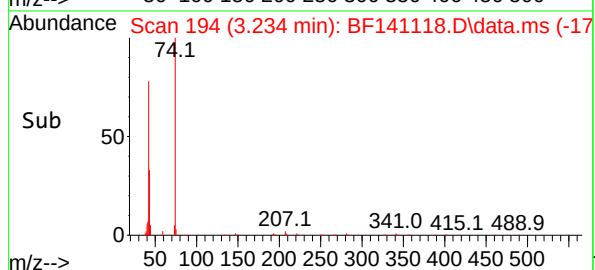
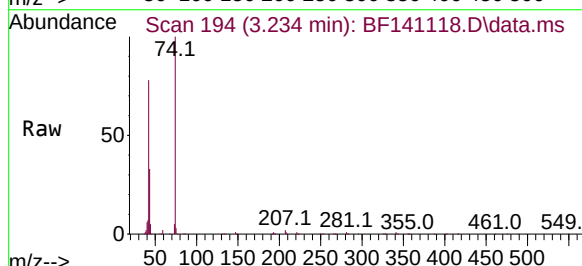


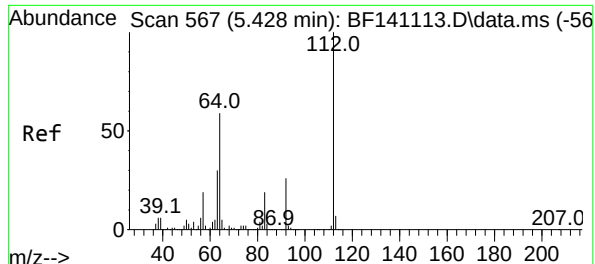
Tgt Ion: 79 Resp: 636756  
Ion Ratio Lower Upper  
79 100  
52 70.5 58.9 88.3  
51 35.4 29.1 43.7



#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

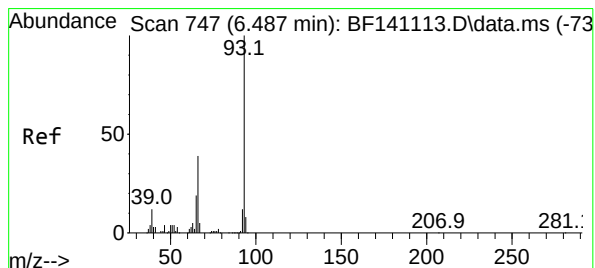
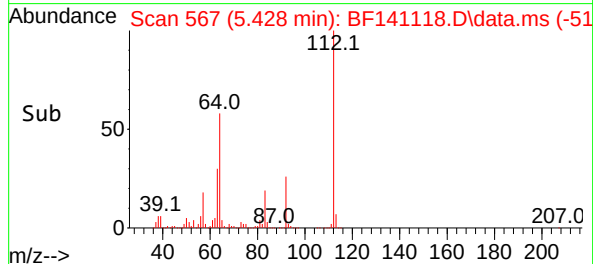
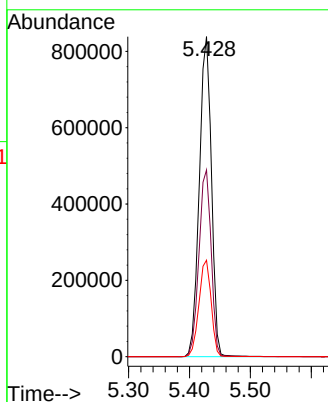
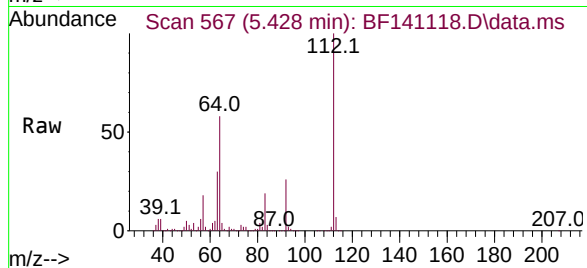




#5  
2-Fluorophenol  
Concen: 113.741 ng  
RT: 5.428 min Scan# 567  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

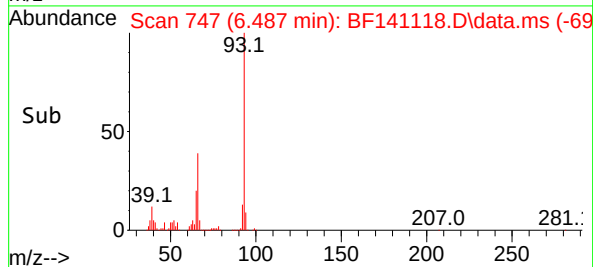
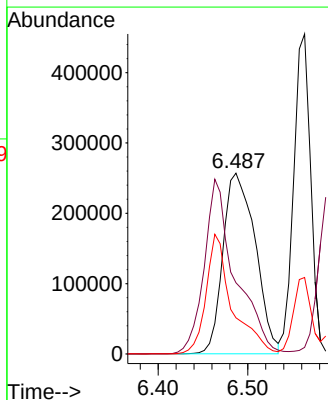
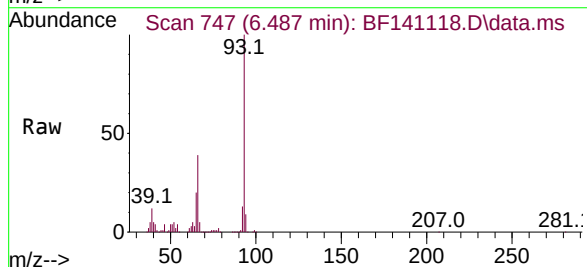
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ClientSampleId :  
SSTDICC060

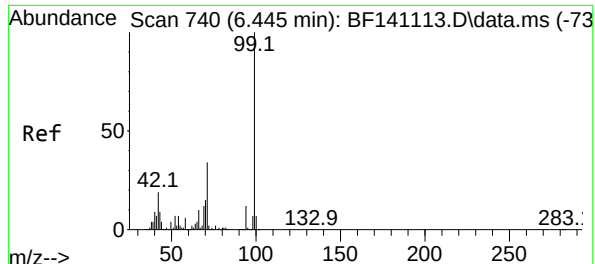
Tgt Ion:112 Resp: 1161166  
Ion Ratio Lower Upper  
112 100  
64 58.3 47.3 70.9  
63 30.2 24.2 36.2



#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# 741

Delta R.T. 0.006 min

Lab File: BF141118.D

Acq: 10 Jan 2025 17:19

Instrument :

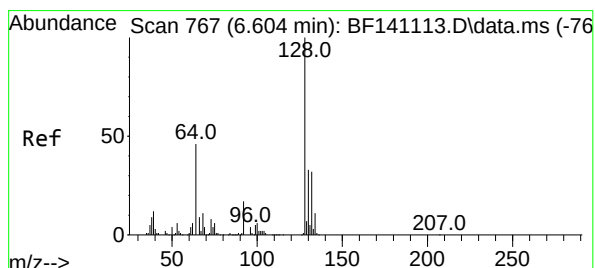
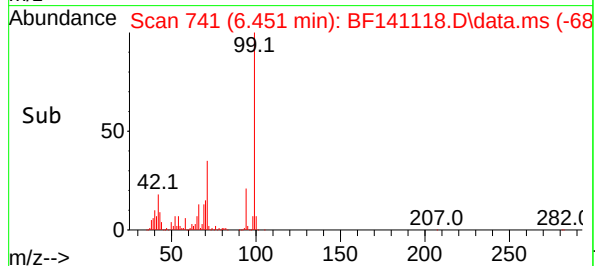
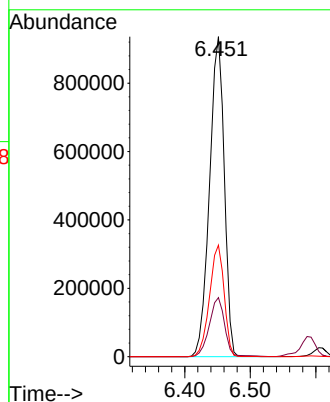
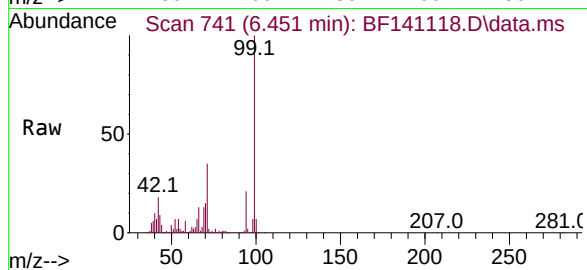
BNA\_F

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

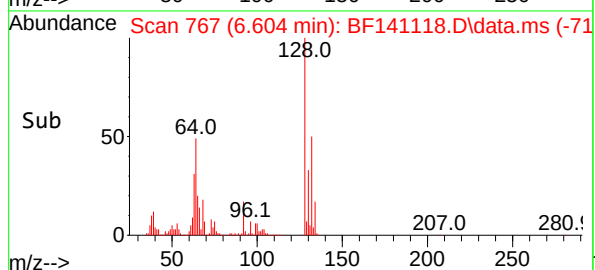
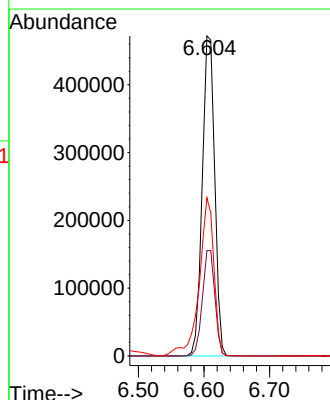
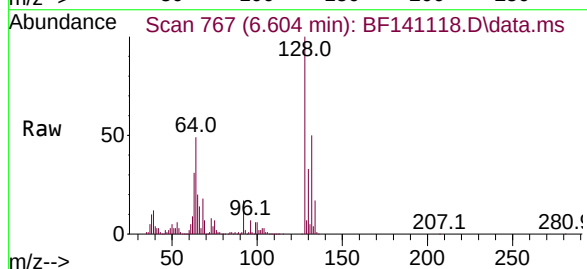
Delta R.T. 0.000 min

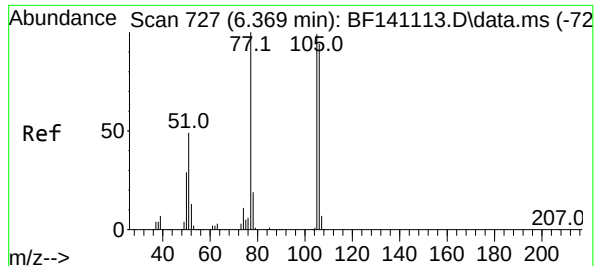
Lab File: BF141118.D

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# 727

Delta R.T. 0.000 min

Lab File: BF141118.D

Acq: 10 Jan 2025 17:19

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

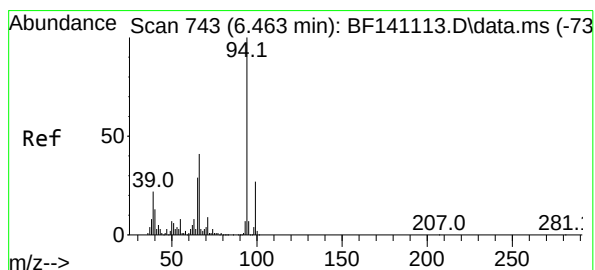
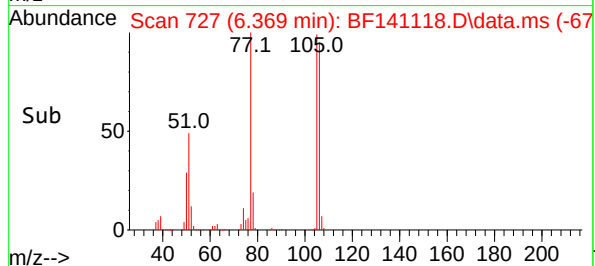
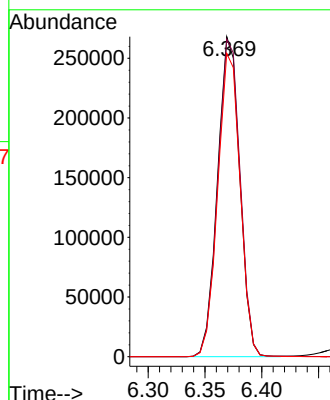
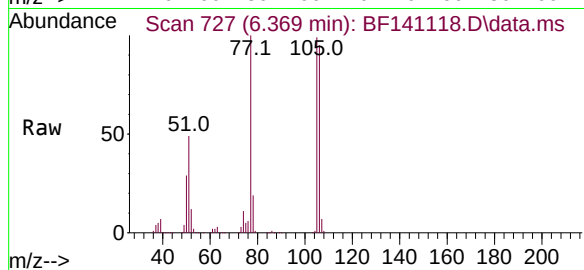
Tgt Ion: 77 Resp: 364797

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

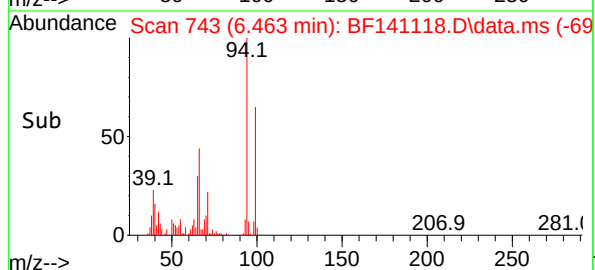
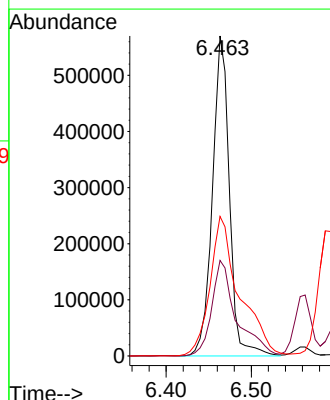
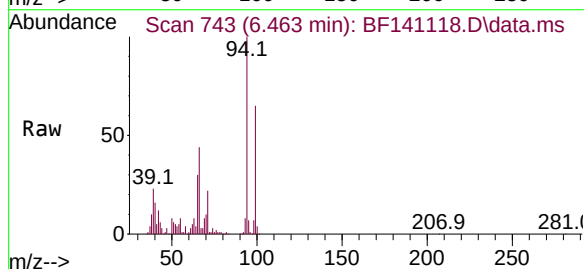
Tgt Ion: 94 Resp: 788986

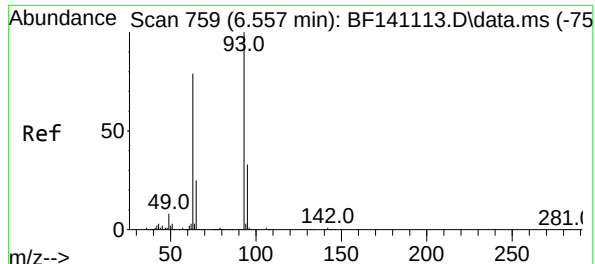
Ion Ratio Lower Upper

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

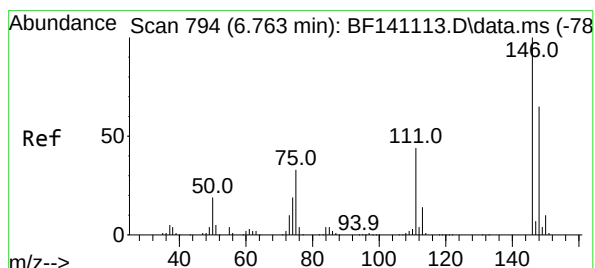
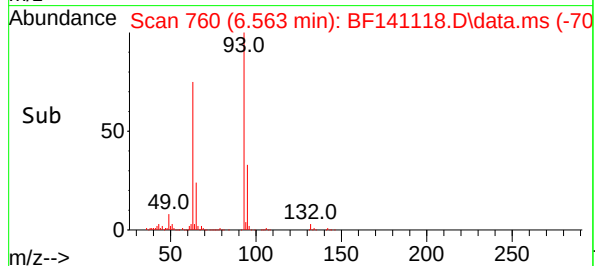
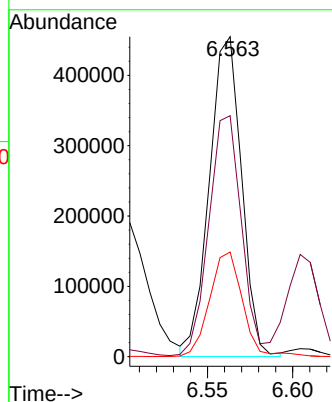
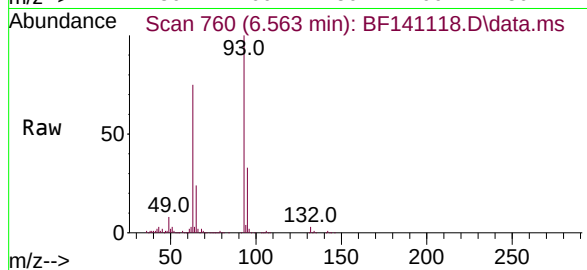
Tgt Ion: 93 Resp: 598240

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

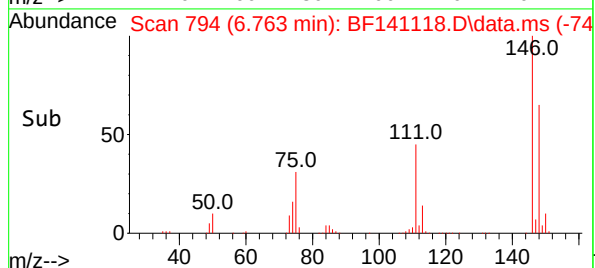
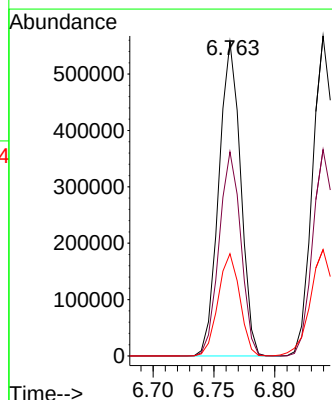
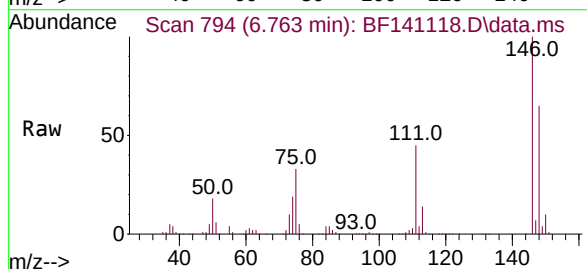
Tgt Ion:146 Resp: 693741

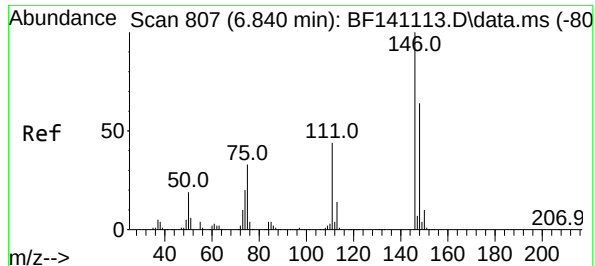
Ion Ratio Lower Upper

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# 807

Delta R.T. 0.000 min

Lab File: BF141118.D

Acq: 10 Jan 2025 17:19

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

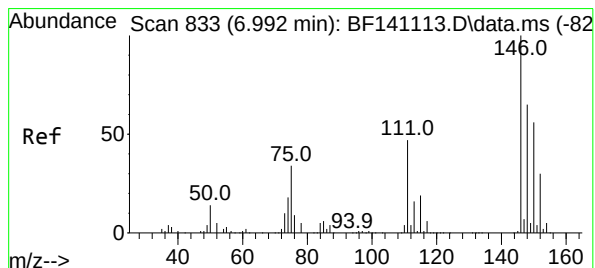
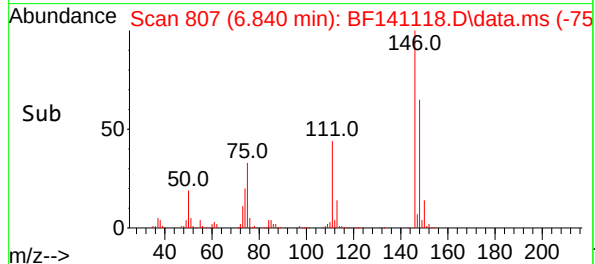
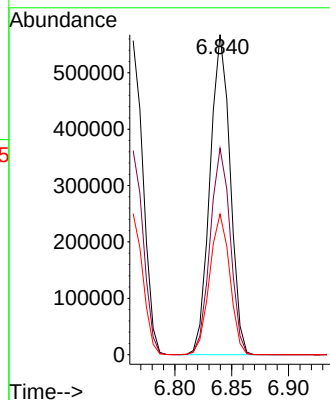
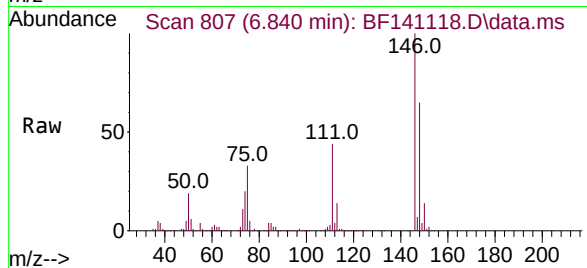
Tgt Ion:146 Resp: 700356

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

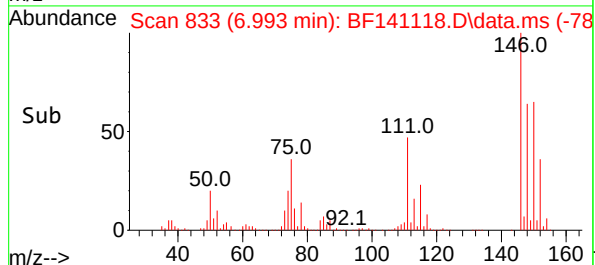
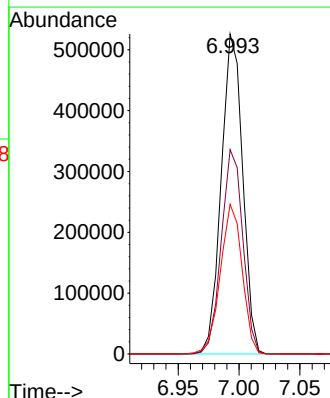
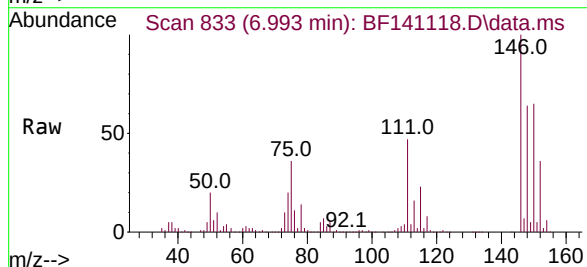
Tgt Ion:146 Resp: 644752

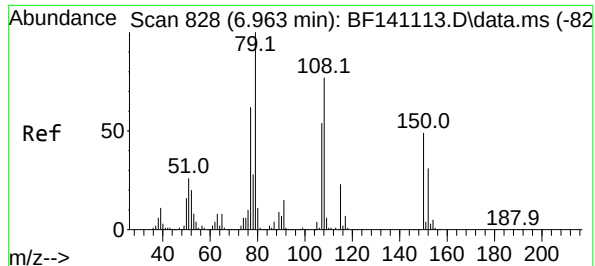
Ion Ratio Lower Upper

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# 81

Delta R.T. 0.000 min

Lab File: BF141118.D

Acq: 10 Jan 2025 17:19

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

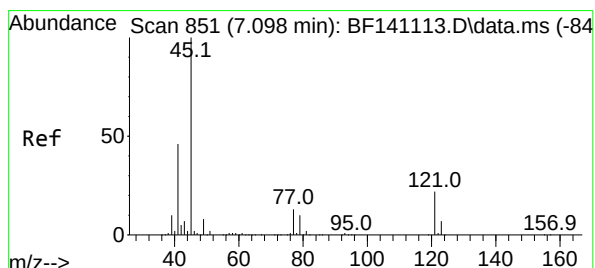
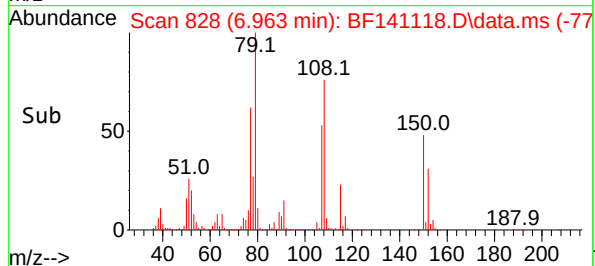
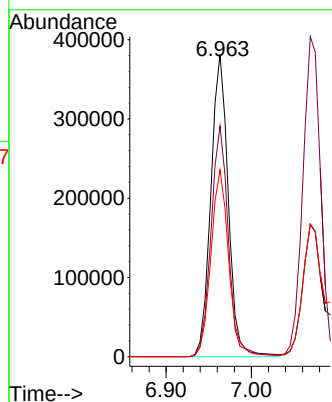
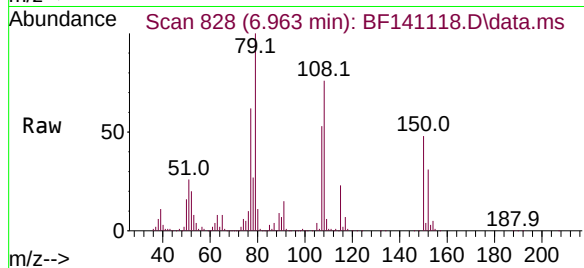
Tgt Ion: 79 Resp: 541420

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

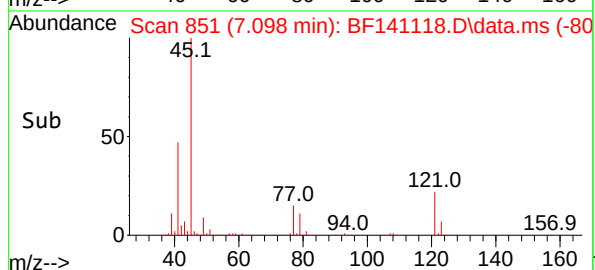
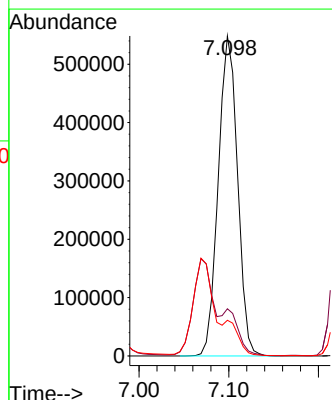
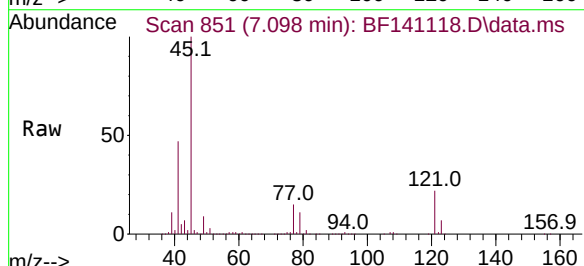
Tgt Ion: 45 Resp: 818728

Ion Ratio Lower Upper

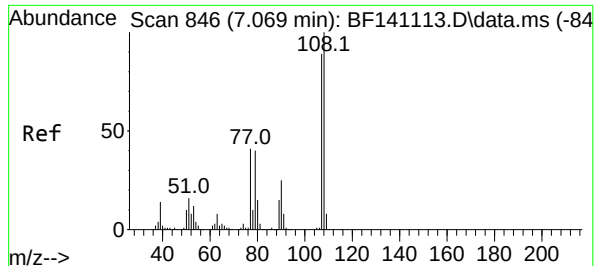
45 100

77 14.7 0.0 34.1

79 11.2 0.0 31.0

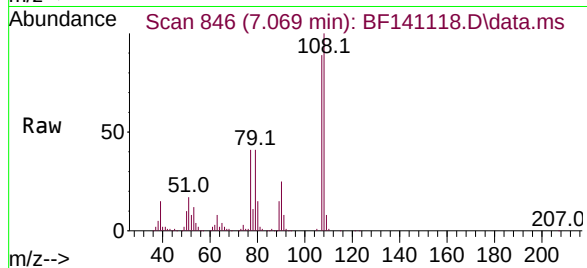




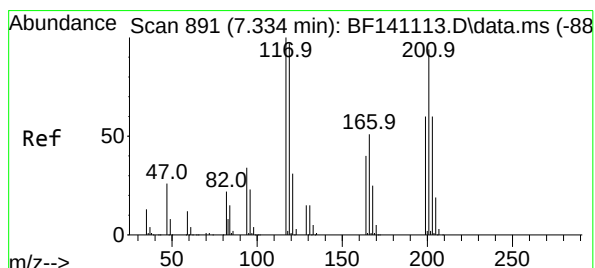
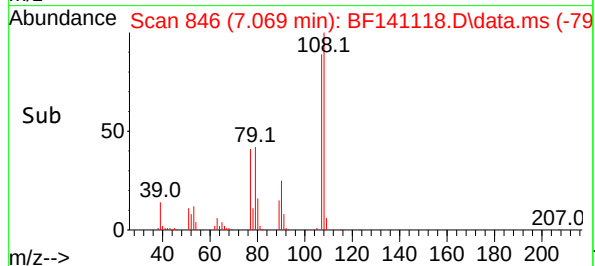
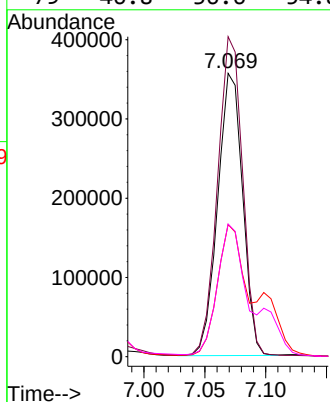


#17  
2-Methylphenol  
Concen: 57.648 ng  
RT: 7.069 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

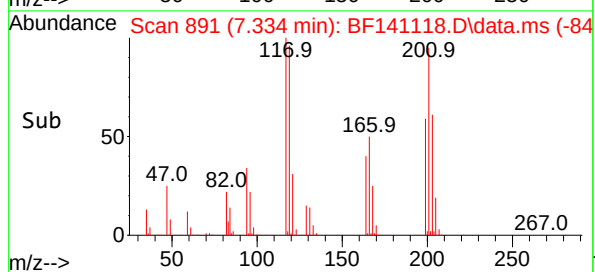
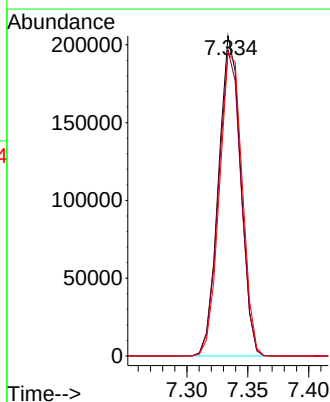
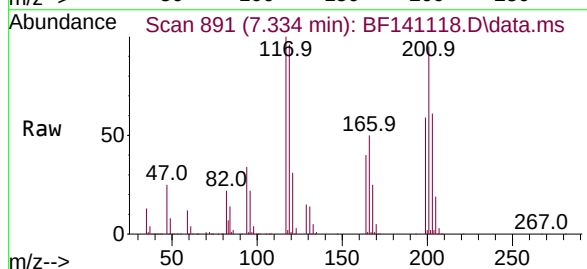


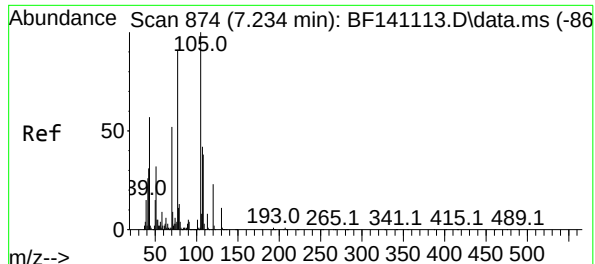
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 509763 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 112.9 | 90.1  | 135.1  |
| 77       | 46.6  | 36.6  | 55.0   |
| 79       | 46.8  | 36.6  | 54.8   |



#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# 81

Delta R.T. 0.006 min

Lab File: BF141118.D

Acq: 10 Jan 2025 17:19

Instrument :

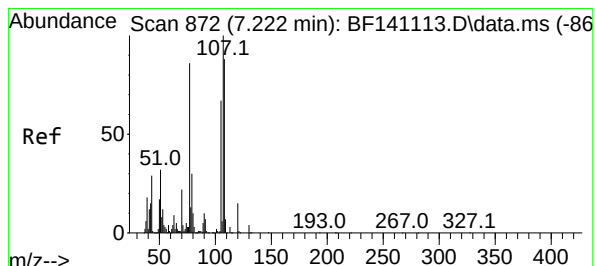
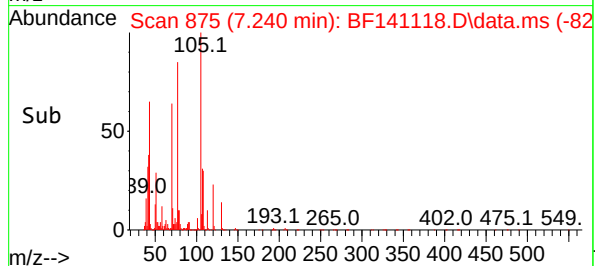
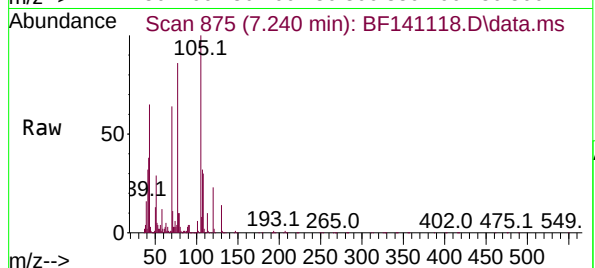
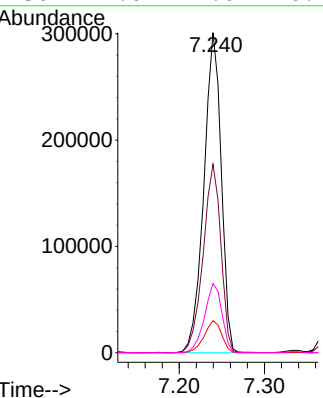
BNA\_F

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

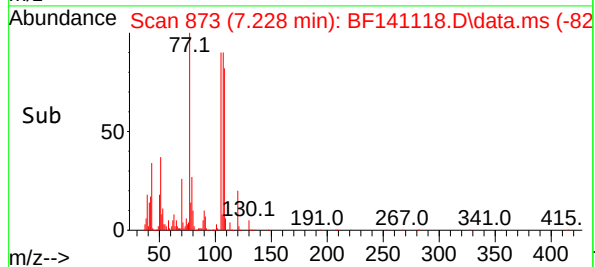
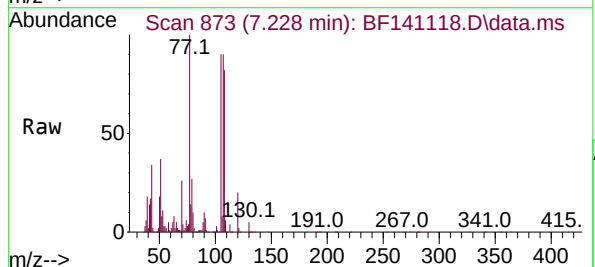
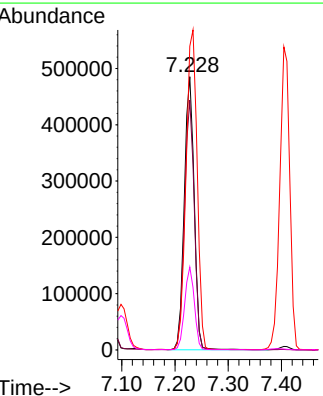
Delta R.T. 0.006 min

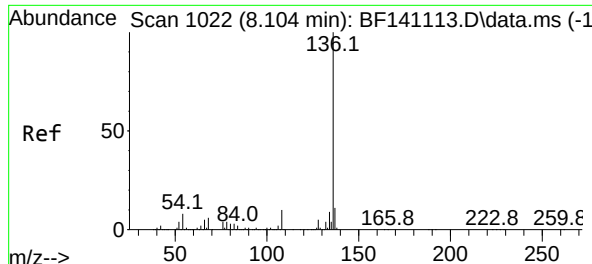
Lab File: BF141118.D

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   |

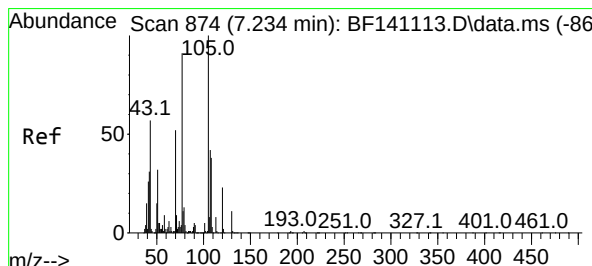
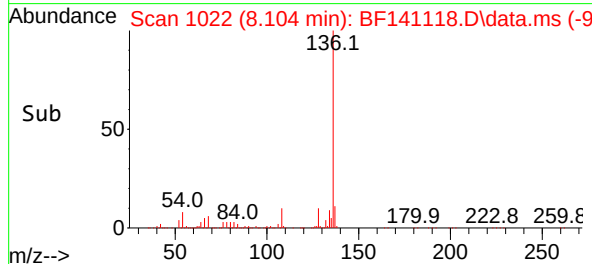
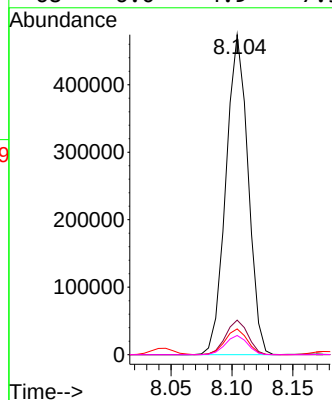
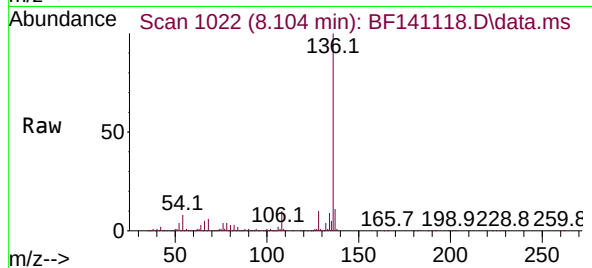




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.104 min Scan# 1022  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

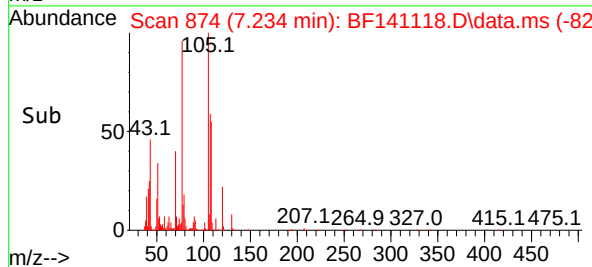
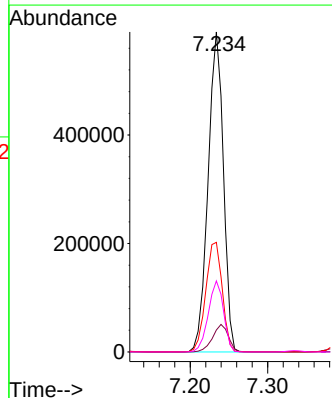
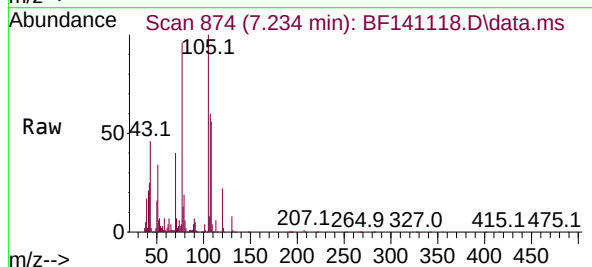
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

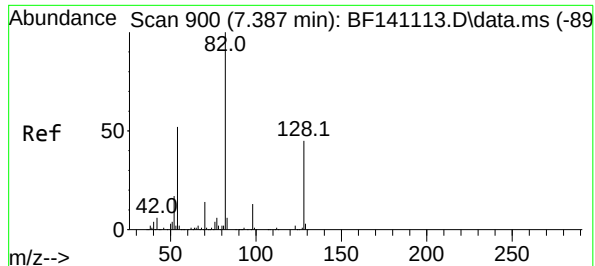
Tgt Ion:136 Resp: 600362  
Ion Ratio Lower Upper  
136 100  
137 10.8 8.8 13.2  
54 8.0 6.3 9.5  
68 6.0 4.9 7.3



#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# 900

Delta R.T. 0.000 min

Lab File: BF141118.D

Acq: 10 Jan 2025 17:19

Instrument :

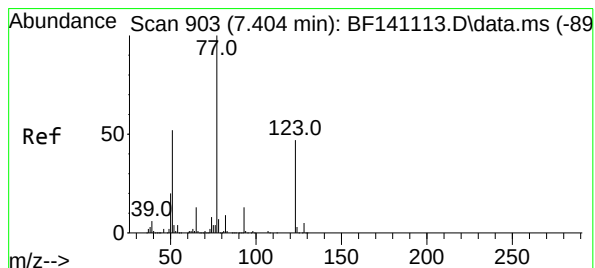
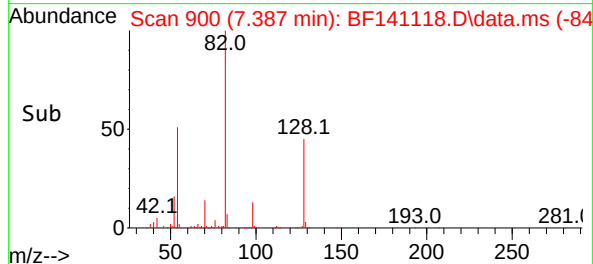
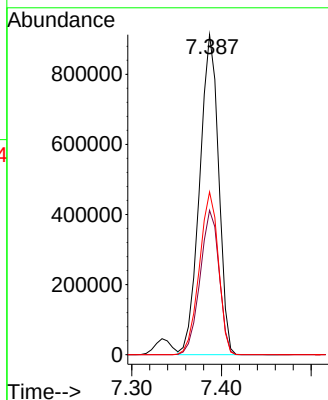
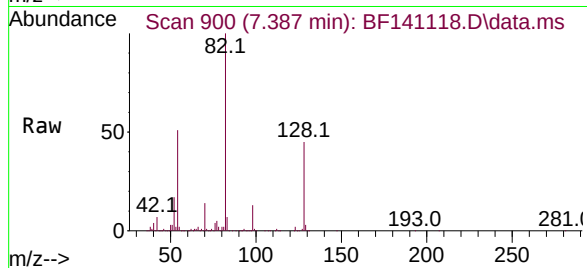
BNA\_F

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

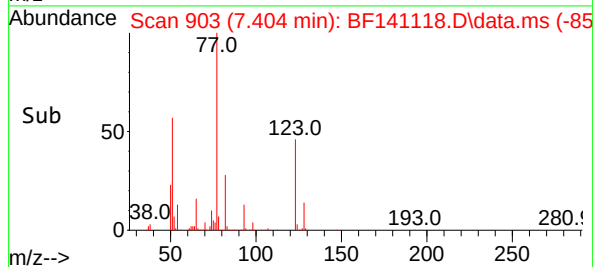
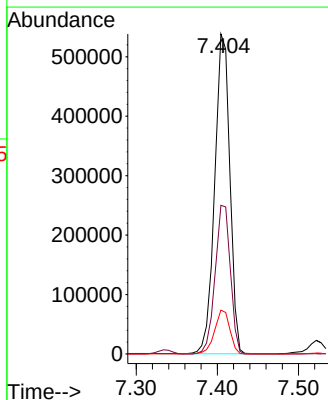
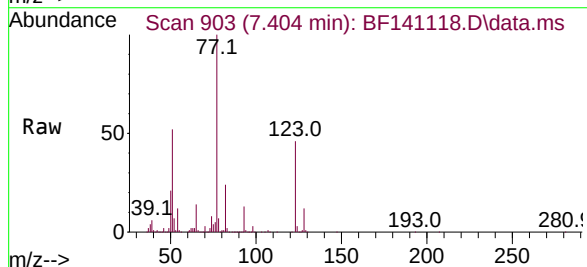
Delta R.T. 0.000 min

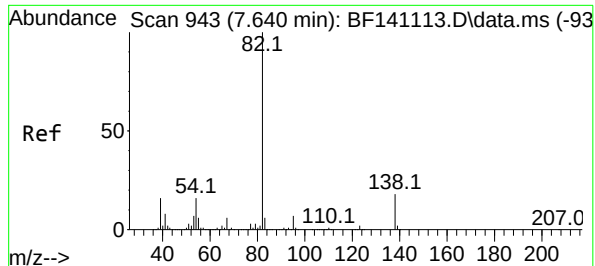
Lab File: BF141118.D

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  |

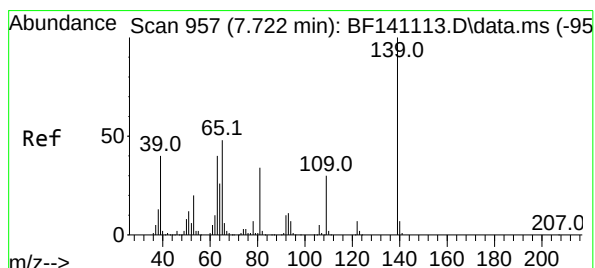
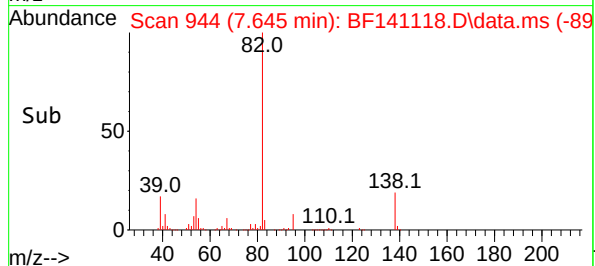
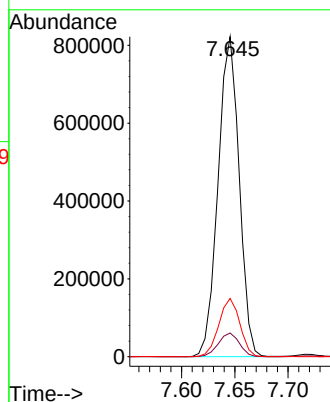
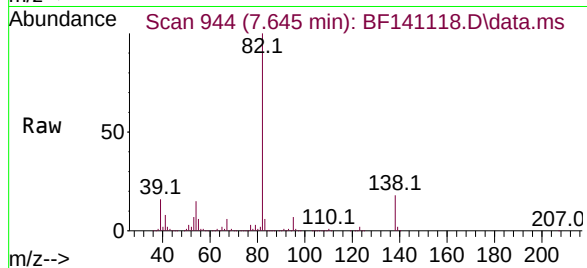




#25  
Isophorone  
Concen: 58.450 ng  
RT: 7.645 min Scan# 944  
Delta R.T. 0.006 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

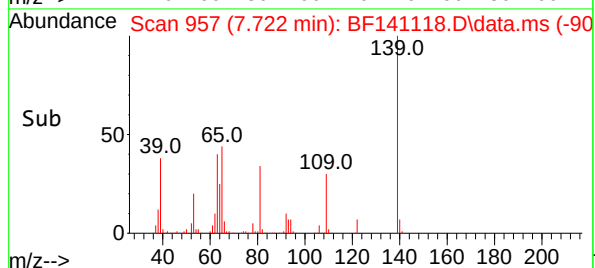
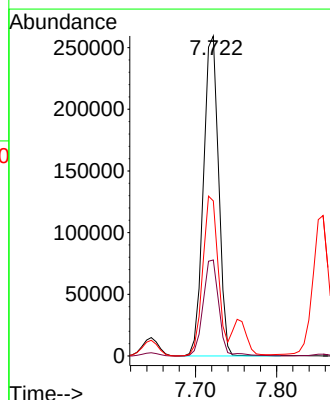
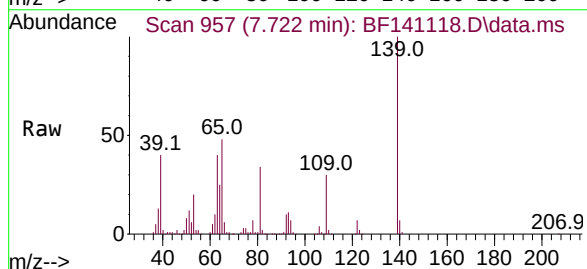
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

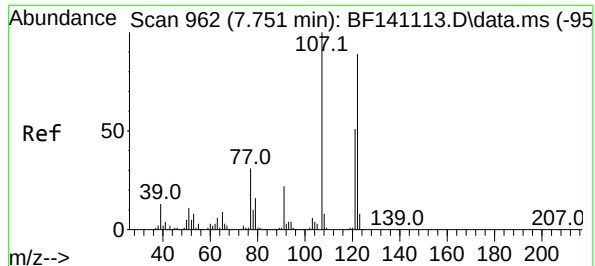
Tgt Ion: 82 Resp: 1131315  
Ion Ratio Lower Upper  
82 100  
95 7.4 5.9 8.9  
138 18.2 14.2 21.2



#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# 90

Delta R.T. 0.000 min

Lab File: BF141118.D

Acq: 10 Jan 2025 17:19

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

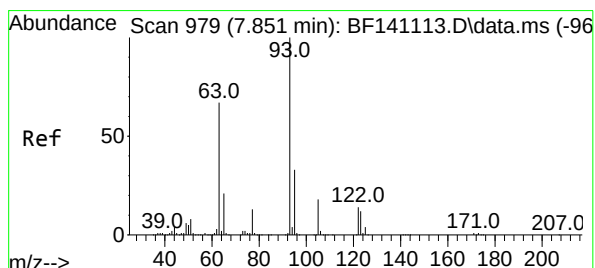
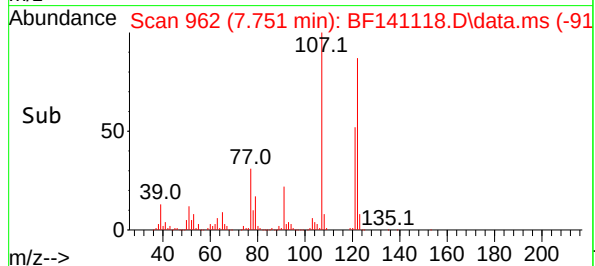
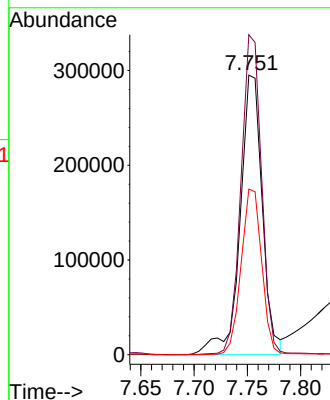
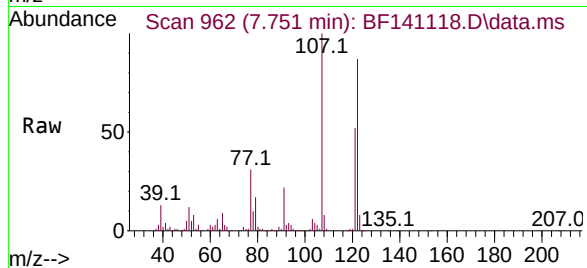
Tgt Ion:122 Resp: 429261

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

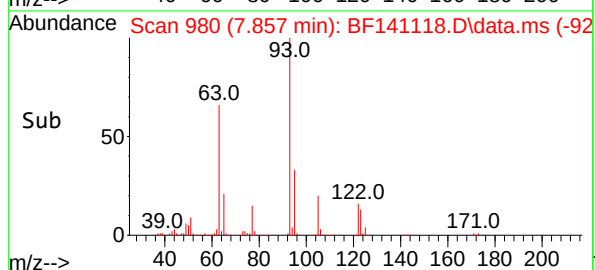
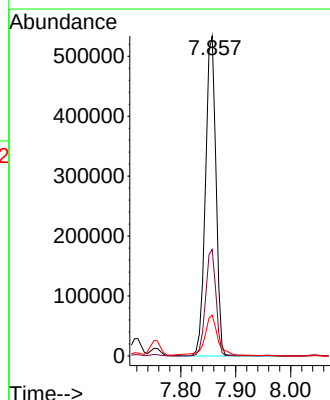
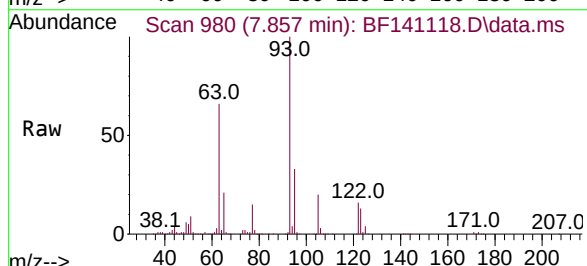
Tgt Ion: 93 Resp: 708043

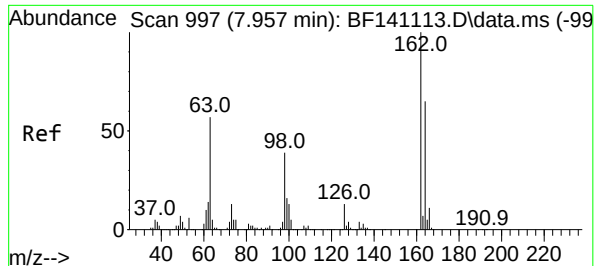
Ion Ratio Lower Upper

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# 997

Delta R.T. 0.000 min

Lab File: BF141118.D

Acq: 10 Jan 2025 17:19

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

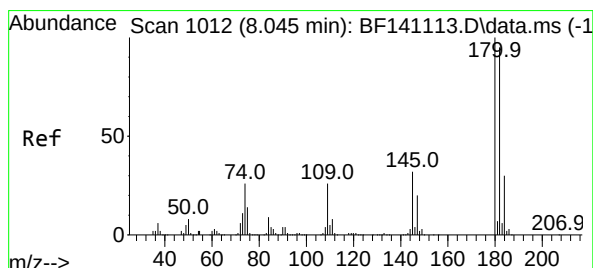
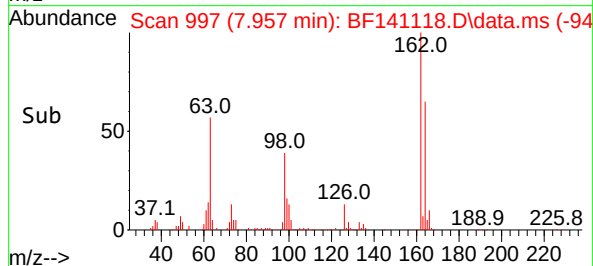
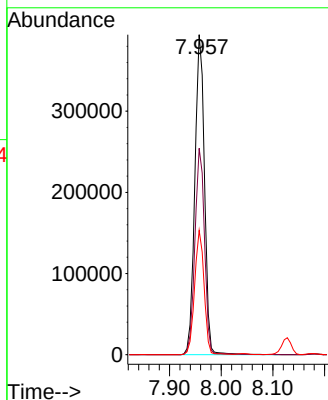
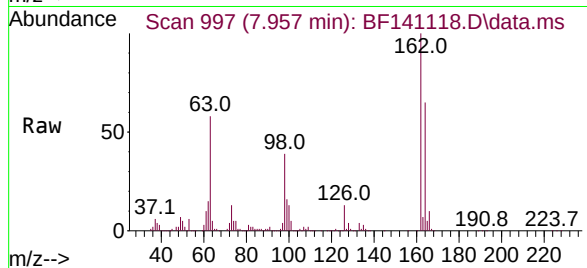
Tgt Ion:162 Resp: 510890

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

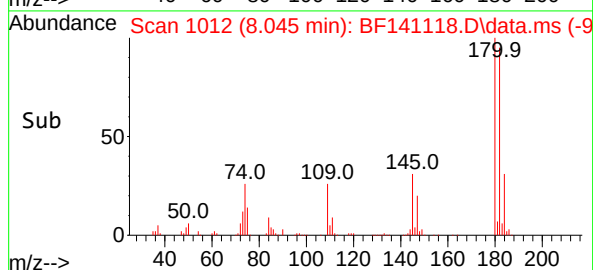
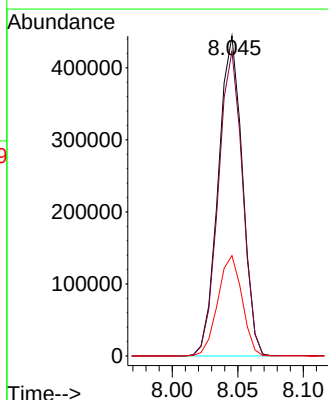
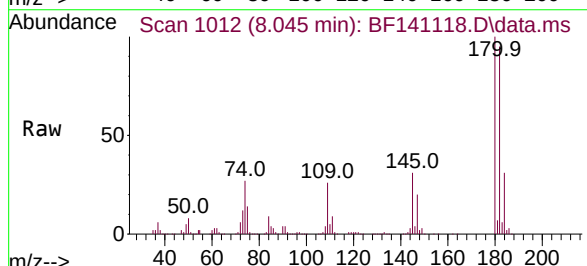
Tgt Ion:180 Resp: 568765

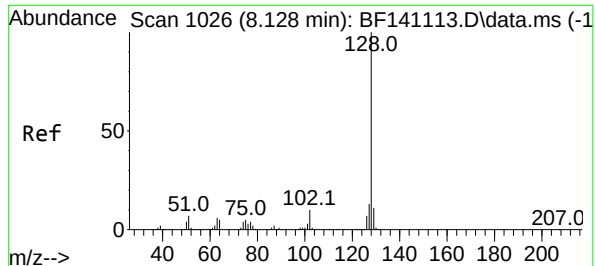
Ion Ratio Lower Upper

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

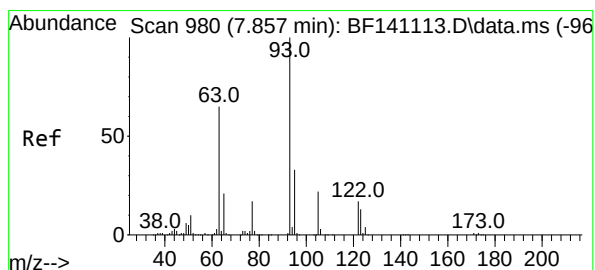
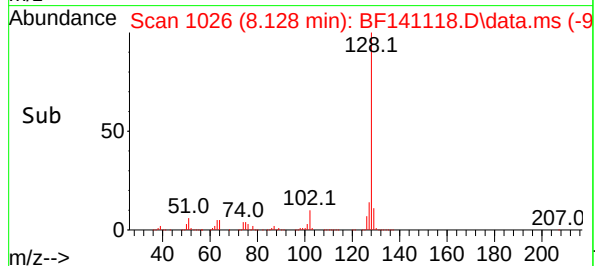
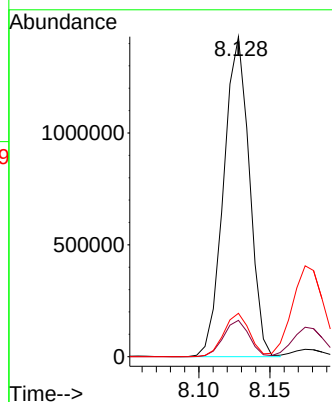
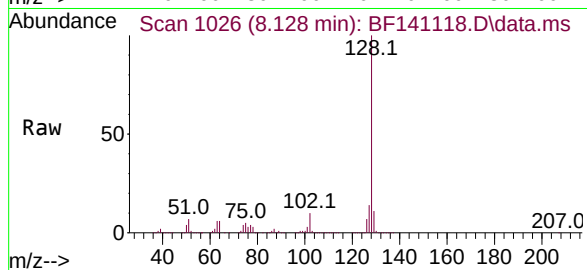
Tgt Ion:128 Resp: 1795916

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

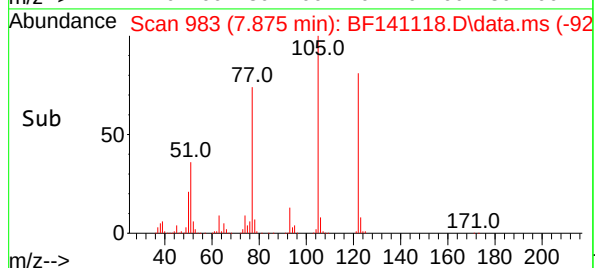
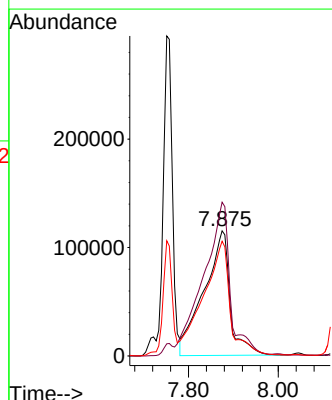
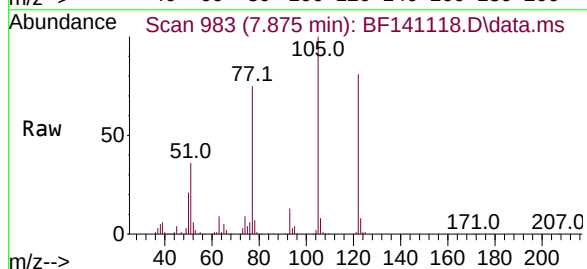
Tgt Ion:122 Resp: 465348

Ion Ratio Lower Upper

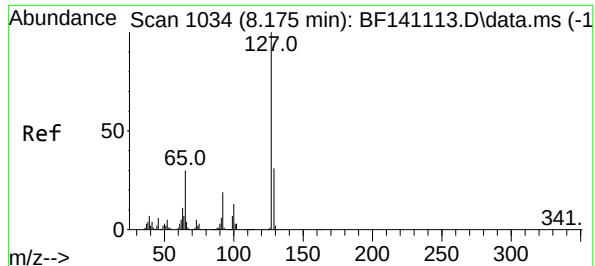
122 100

105 122.9 105.5 145.5

77 91.7 75.1 115.1





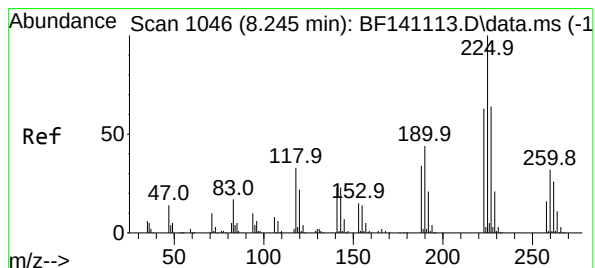
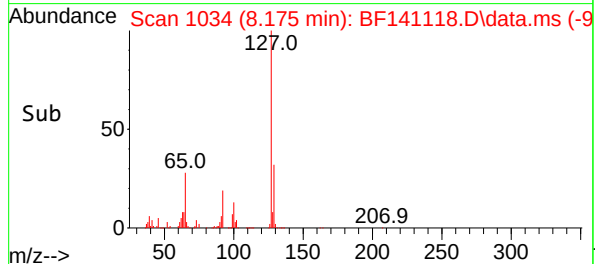
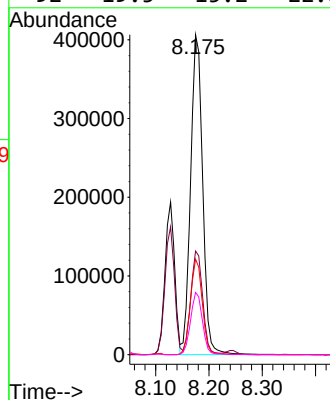
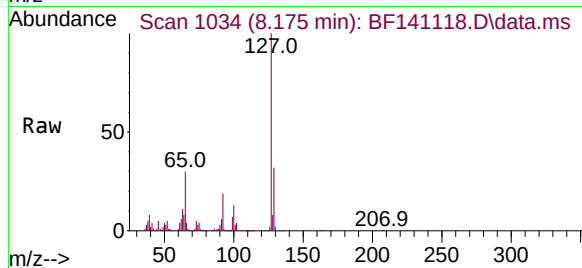


#33  
4-Chloroaniline  
Concen: 58.424 ng  
RT: 8.175 min Scan# 1034  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

Tgt Ion:127 Resp: 639712

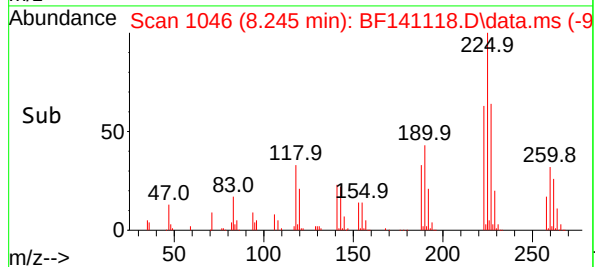
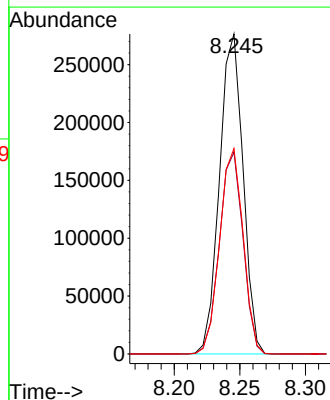
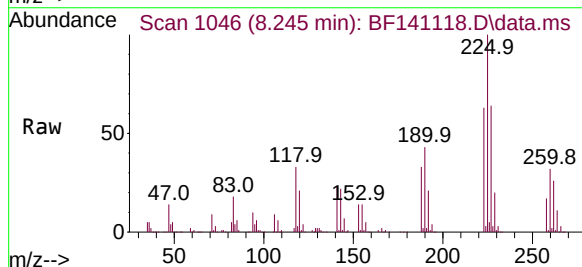
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 127 | 100   |       |       |
| 129 | 32.4  | 25.9  | 38.9  |
| 65  | 29.9  | 23.8  | 35.8  |
| 92  | 19.5  | 15.2  | 22.8  |

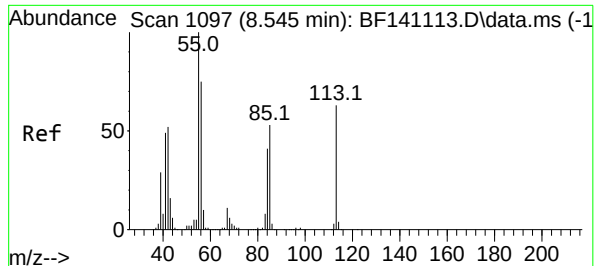


#34  
Hexachlorobutadiene  
Concen: 58.183 ng  
RT: 8.245 min Scan# 1046  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

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  |

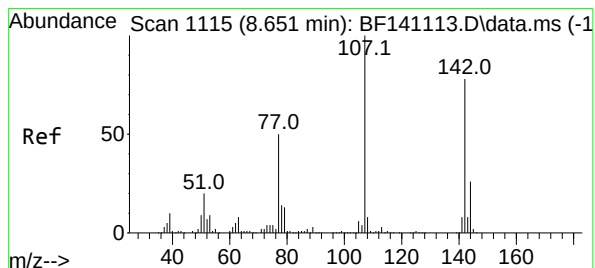
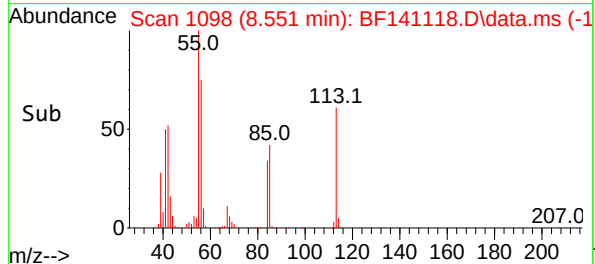
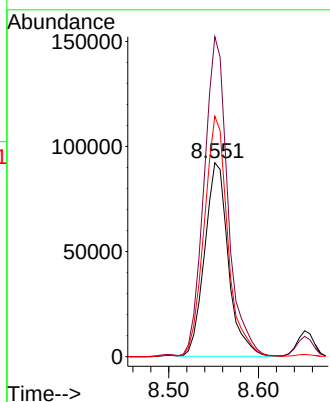
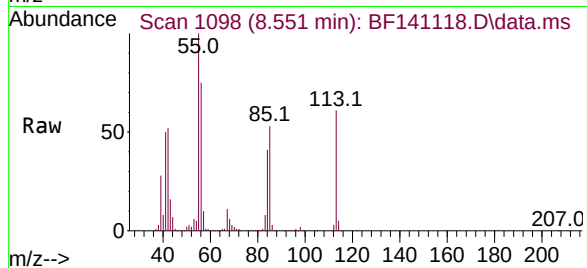




#35  
Caprolactam  
Concen: 59.824 ng  
RT: 8.551 min Scan# 1098  
Delta R.T. 0.006 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

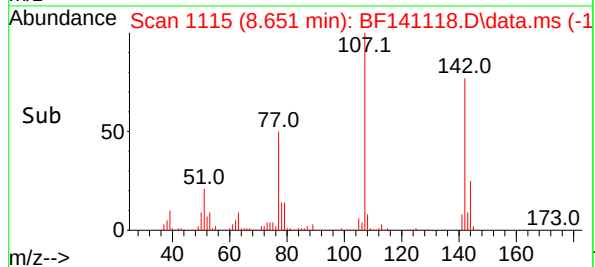
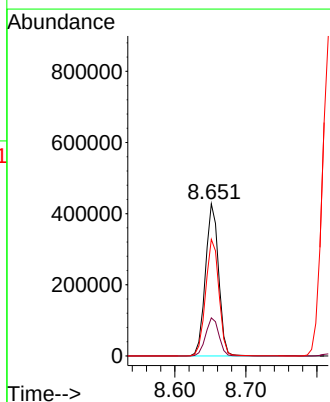
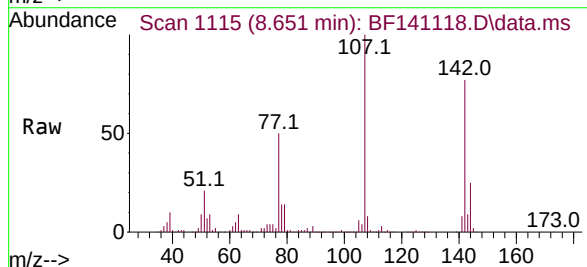
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

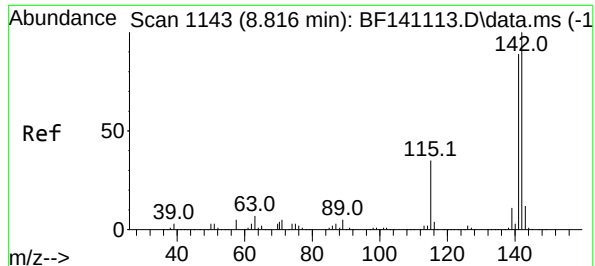
Tgt Ion:113 Resp: 168796  
Ion Ratio Lower Upper  
113 100  
55 165.0 139.7 179.7  
56 124.1 99.4 139.4



#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# 1143

Delta R.T. 0.000 min

Lab File: BF141118.D

Acq: 10 Jan 2025 17:19

Instrument :

BNA\_F

ClientSampleId :

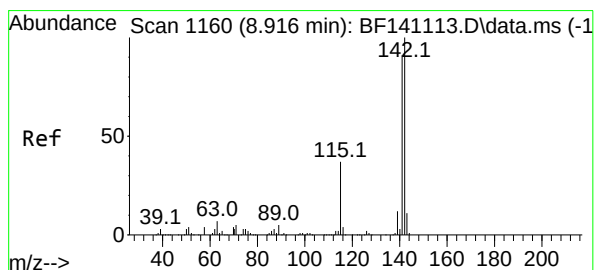
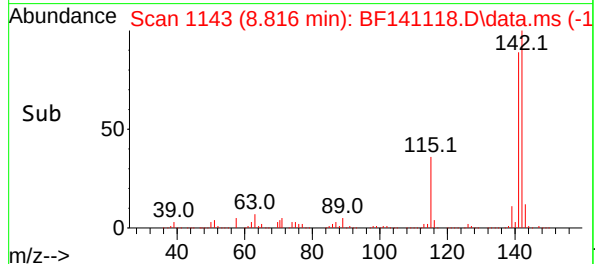
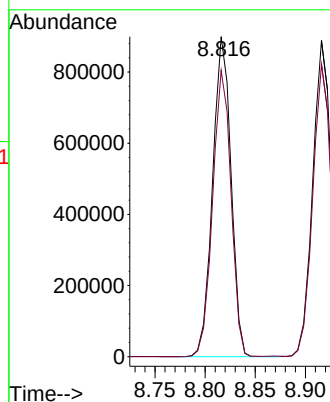
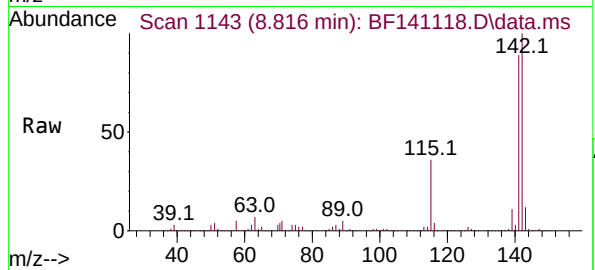
SSTDICC060

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

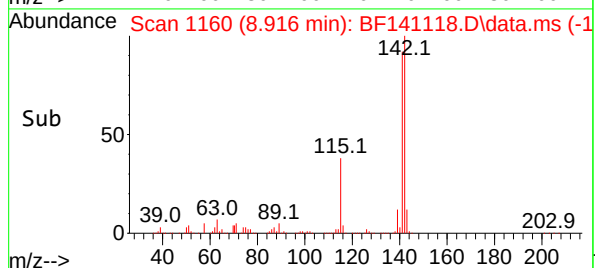
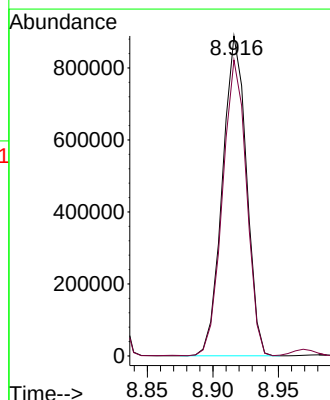
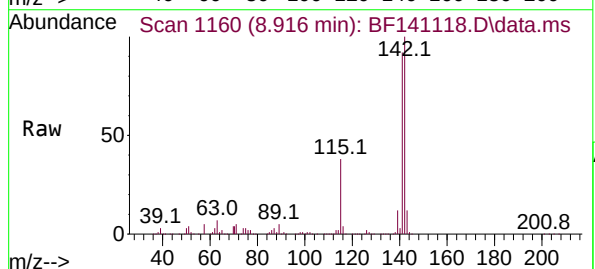
Acq: 10 Jan 2025 17:19

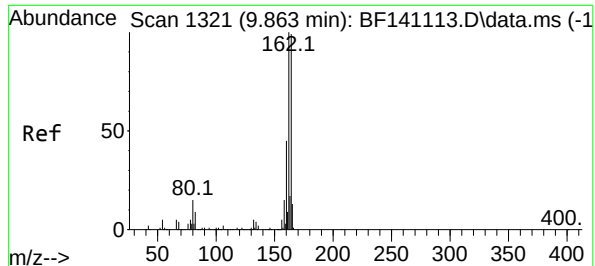
Tgt Ion:142 Resp: 1129604

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# 1171

Delta R.T. 0.000 min

Lab File: BF141118.D

Acq: 10 Jan 2025 17:19

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

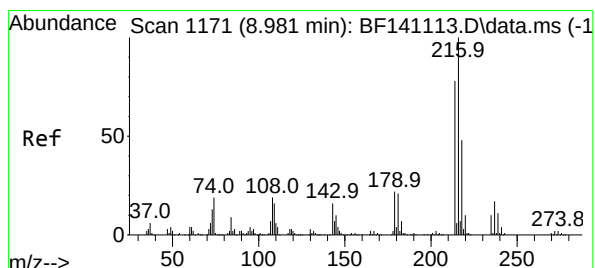
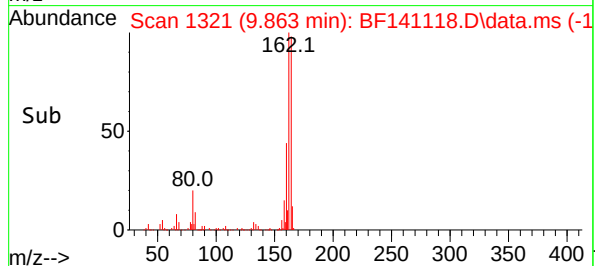
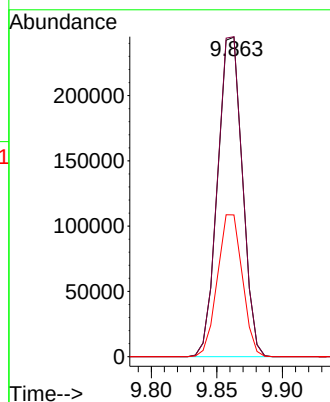
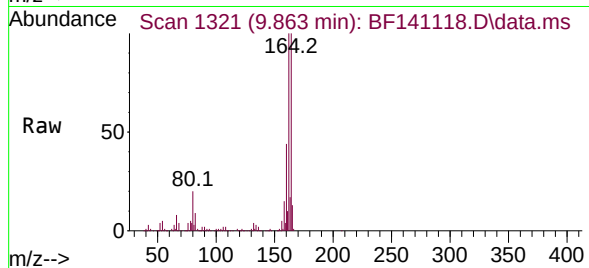
Tgt Ion:164 Resp: 321522

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

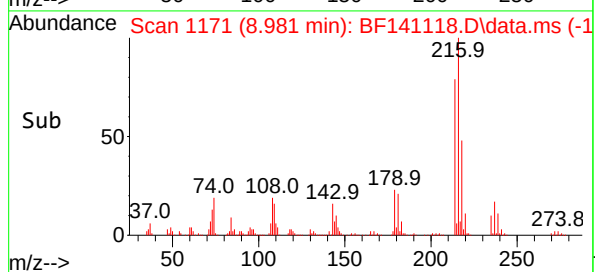
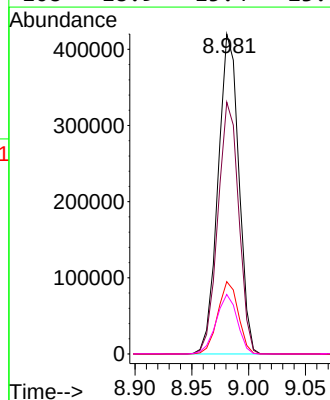
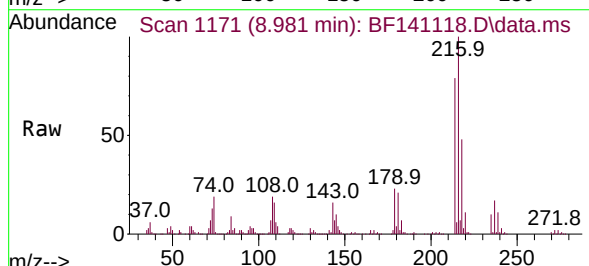
Ion Ratio Lower Upper

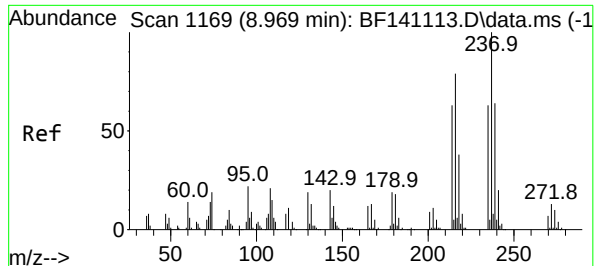
216 100

214 78.8 62.6 94.0

179 22.3 17.7 26.5

108 18.9 15.4 23.0

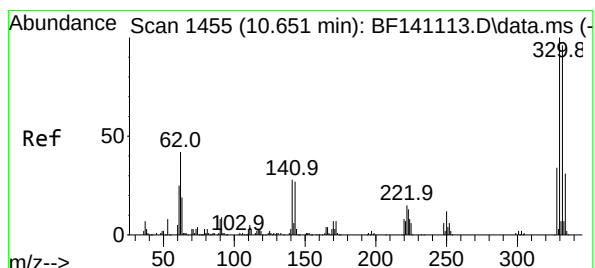
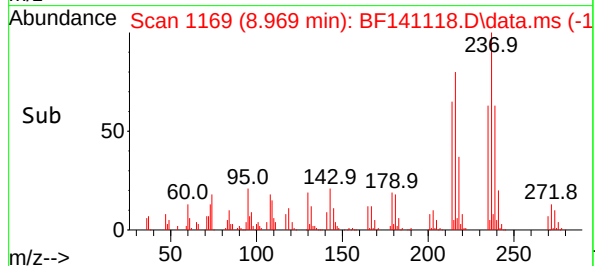
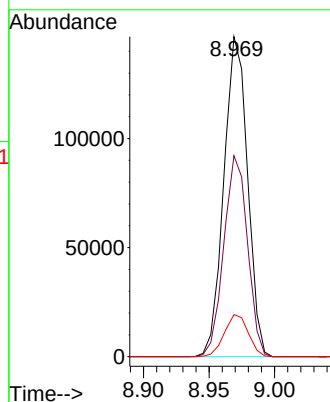
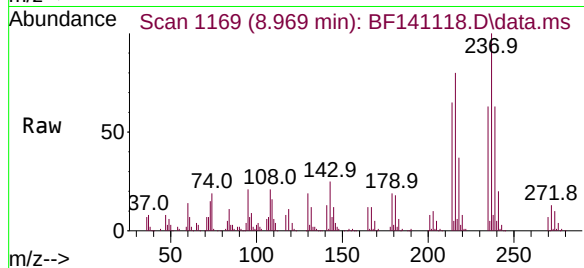




#41  
Hexachlorocyclopentadiene  
Concen: 61.011 ng  
RT: 8.969 min Scan# 1169  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

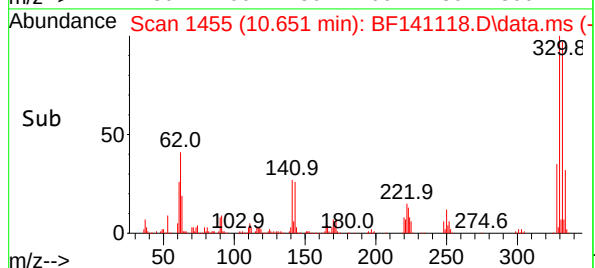
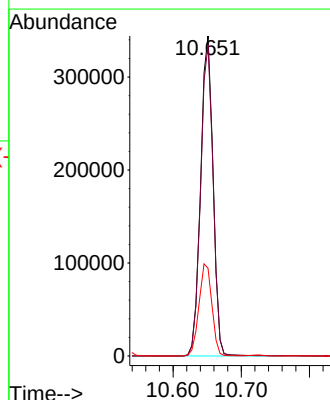
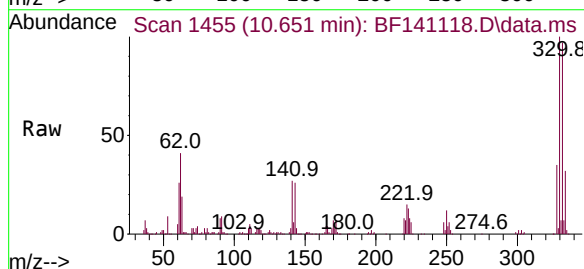
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

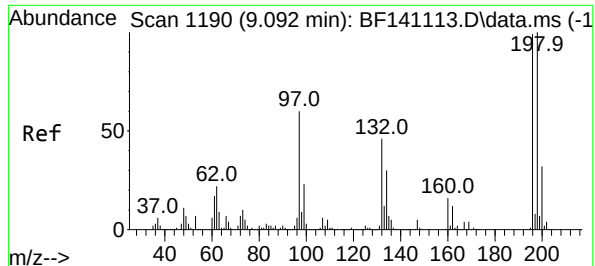
Tgt Ion:237 Resp: 184204  
Ion Ratio Lower Upper  
237 100  
235 62.8 43.0 83.0  
272 13.1 0.0 33.0



#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# 1190

Delta R.T. 0.000 min

Lab File: BF141118.D

Acq: 10 Jan 2025 17:19

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

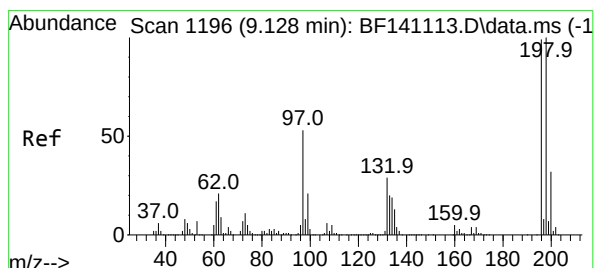
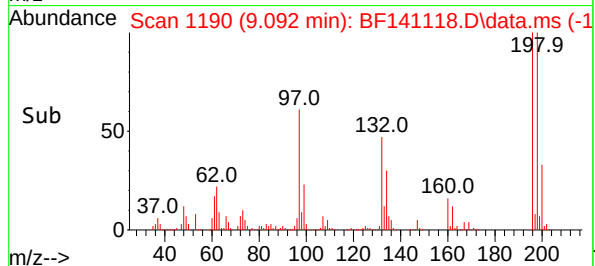
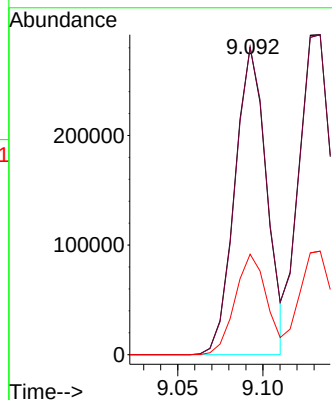
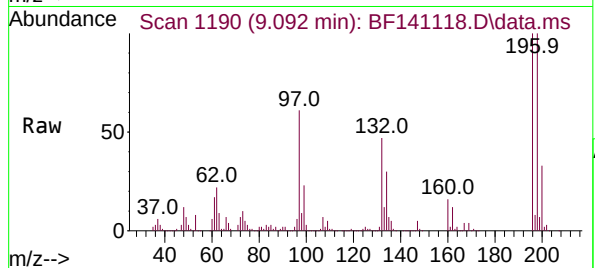
Tgt Ion:196 Resp: 364034

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

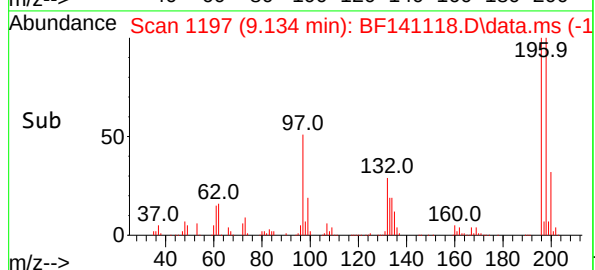
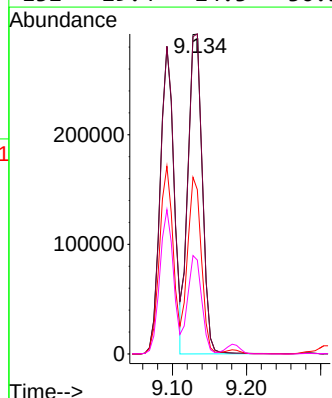
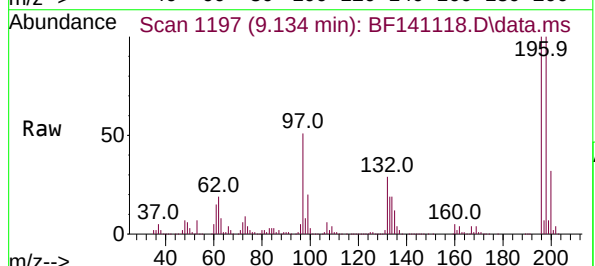
Ion Ratio Lower Upper

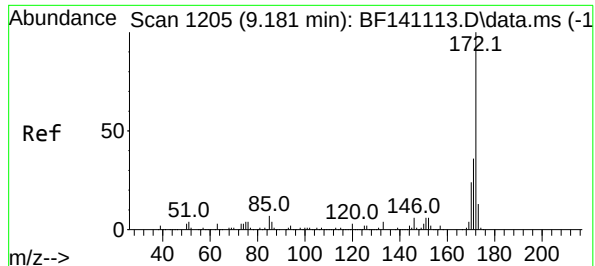
196 100

198 100.1 80.6 120.8

97 51.4 43.1 64.7

132 29.4 24.3 36.5

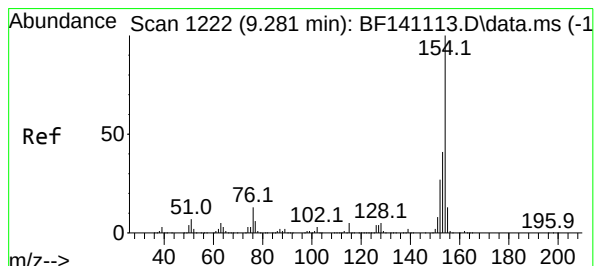
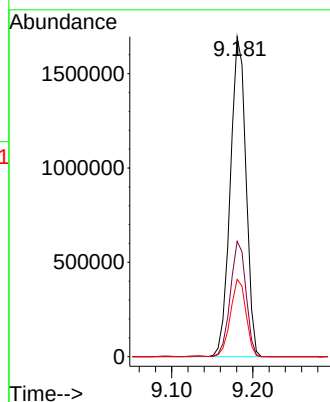
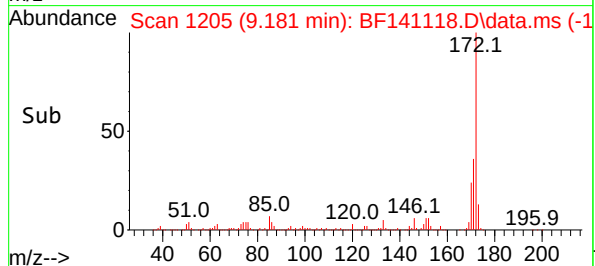
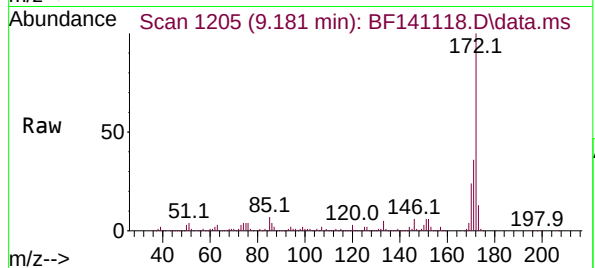




#45  
2-Fluorobiphenyl  
Concen: 107.735 ng  
RT: 9.181 min Scan# 1205  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

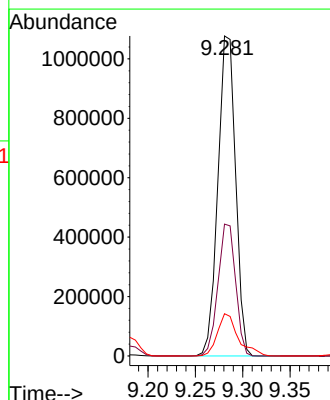
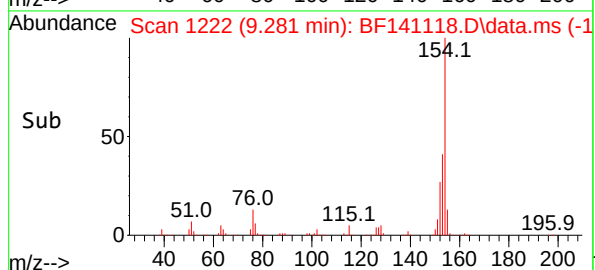
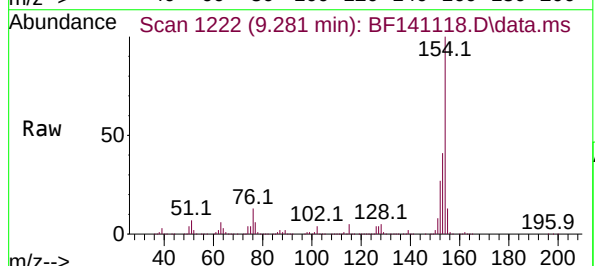
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

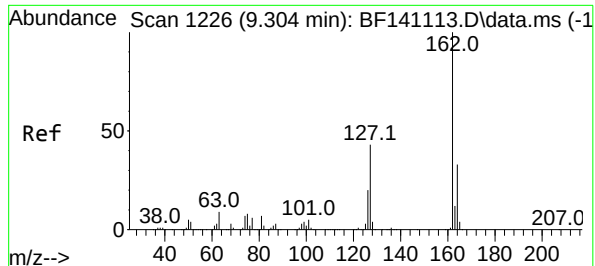
Tgt Ion:172 Resp: 2268382  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.7 43.1  
170 24.1 19.0 28.6



#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# 11

Delta R.T. 0.006 min

Lab File: BF141118.D

Acq: 10 Jan 2025 17:19

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

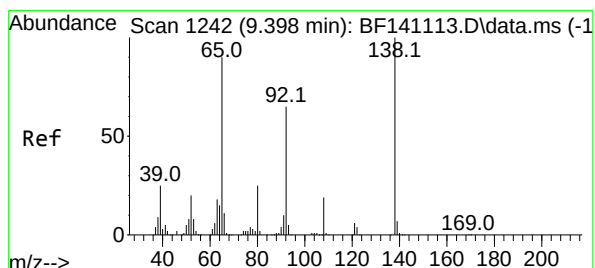
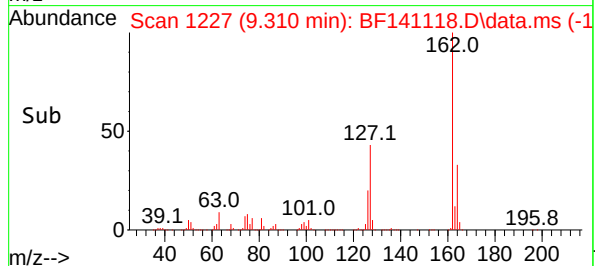
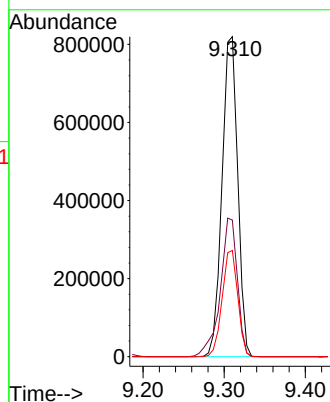
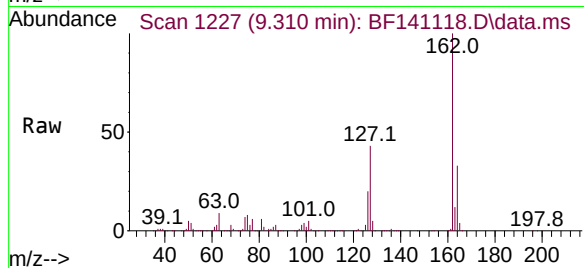
Tgt Ion:162 Resp: 1104069

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

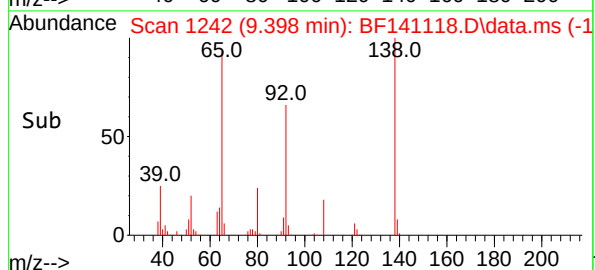
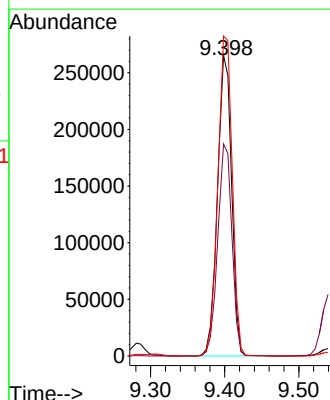
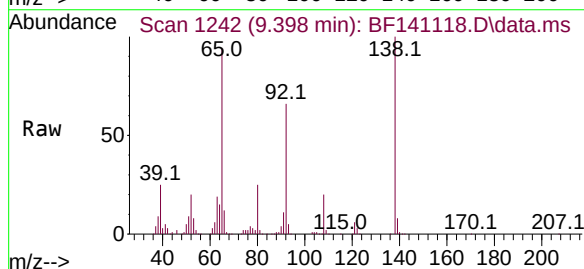
Tgt Ion: 65 Resp: 351824

Ion Ratio Lower Upper

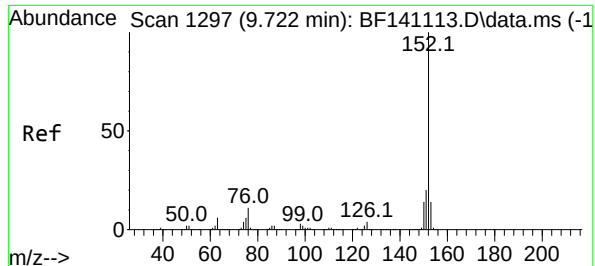
65 100

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# 11

Delta R.T. 0.000 min

Lab File: BF141118.D

Acq: 10 Jan 2025 17:19

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

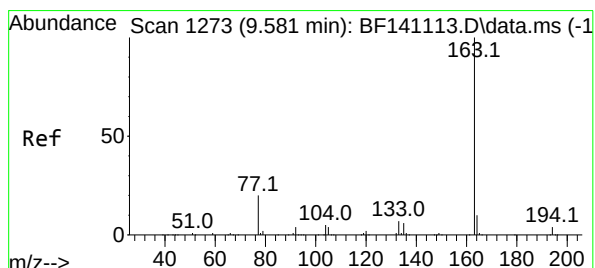
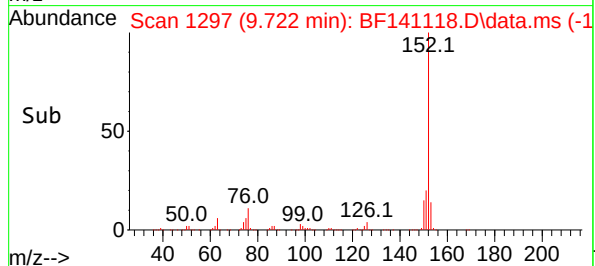
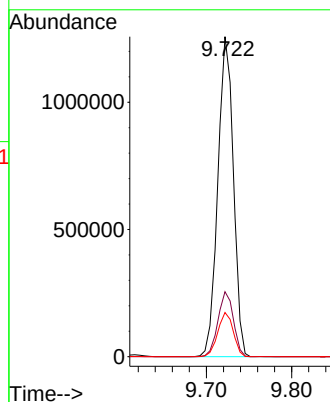
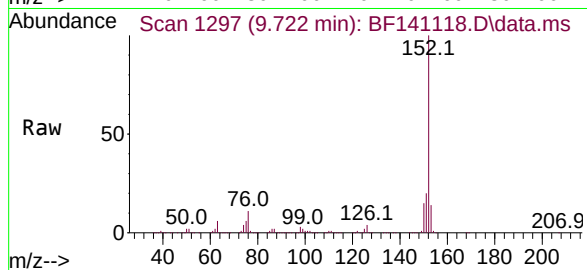
Tgt Ion:152 Resp: 1595599

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

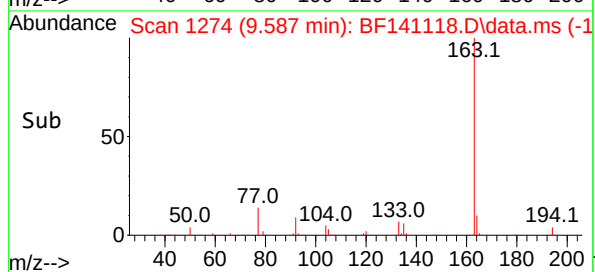
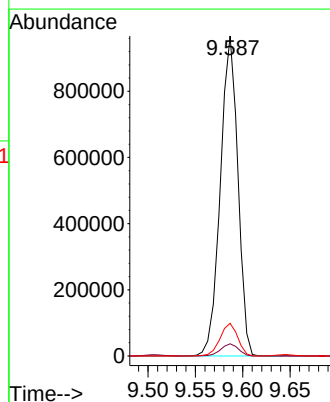
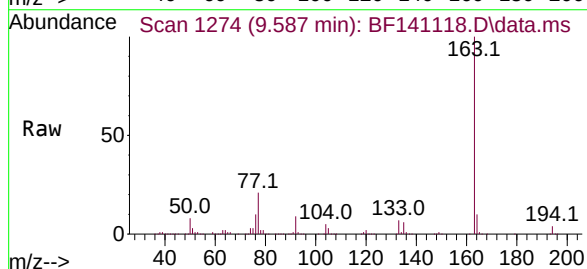
Tgt Ion:163 Resp: 1246443

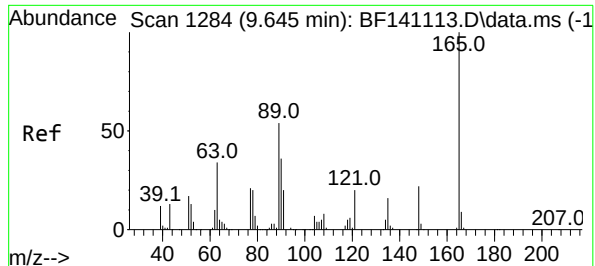
Ion Ratio Lower Upper

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# 11

Delta R.T. 0.000 min

Lab File: BF141118.D

Acq: 10 Jan 2025 17:19

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

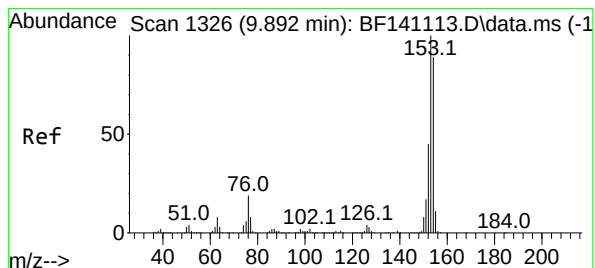
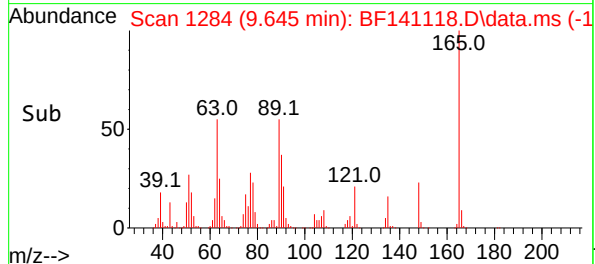
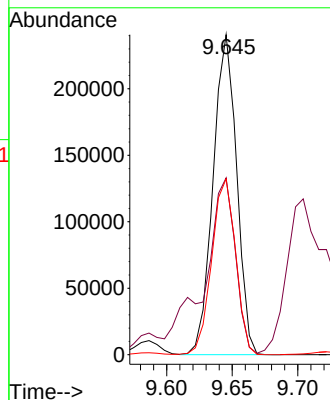
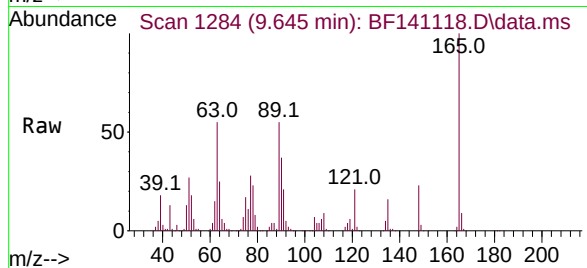
Tgt Ion:165 Resp: 300526

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

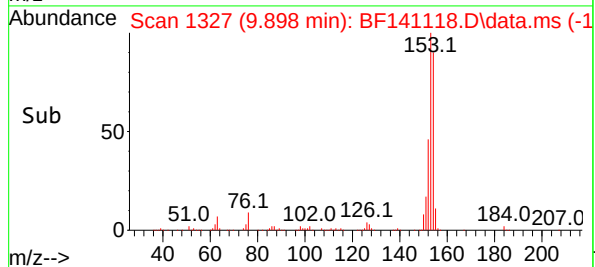
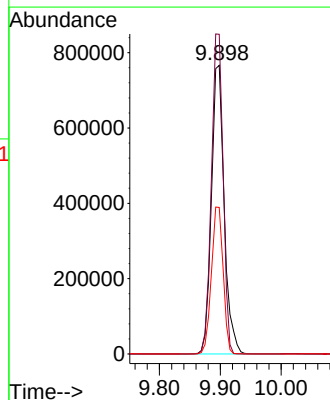
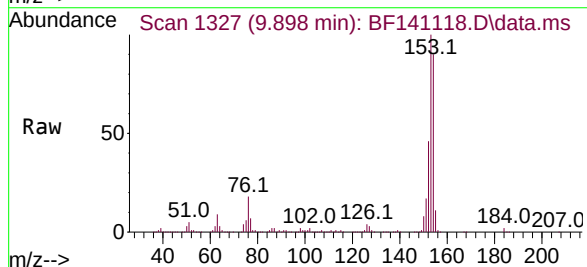
Tgt Ion:154 Resp: 1118880

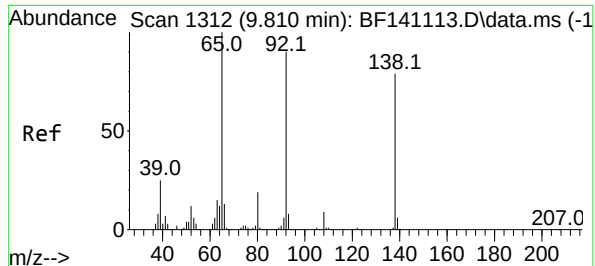
Ion Ratio Lower Upper

154 100

153 110.7 89.8 134.6

152 50.7 40.8 61.2

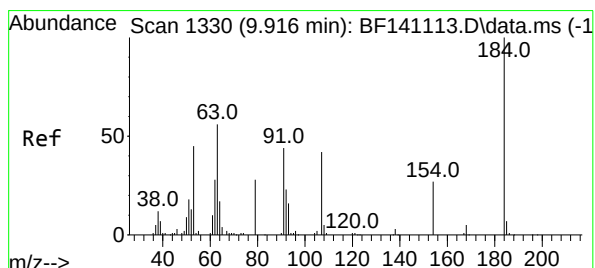
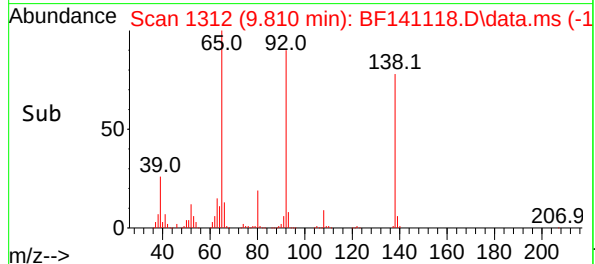
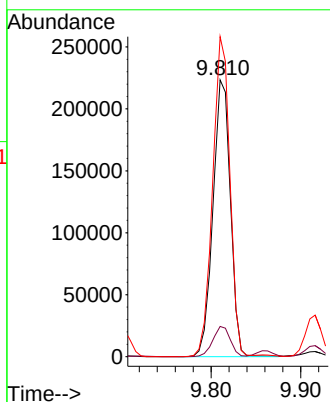
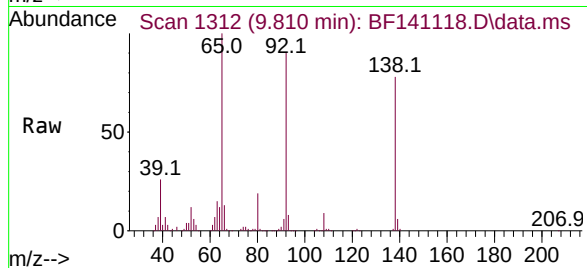




#53  
3-Nitroaniline  
Concen: 59.064 ng  
RT: 9.810 min Scan# 1312  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

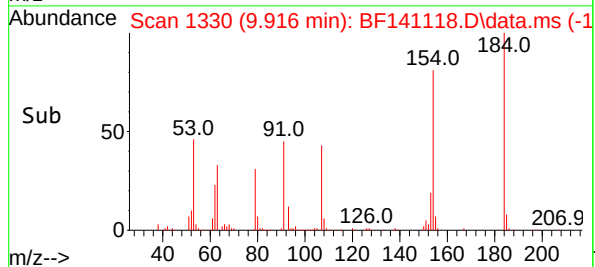
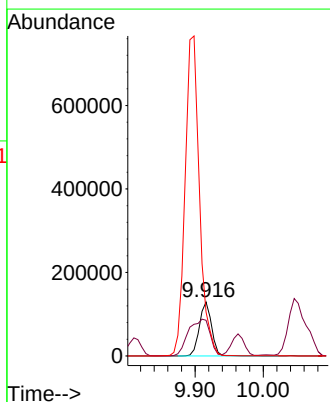
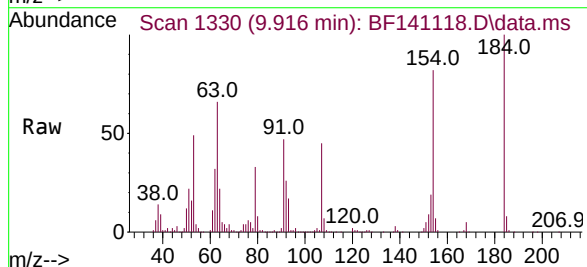
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

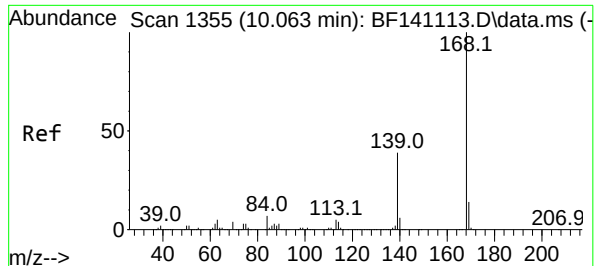
Tgt Ion:138 Resp: 301277  
Ion Ratio Lower Upper  
138 100  
108 11.0 8.8 13.2  
92 115.6 91.3 136.9



#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

Dibenzenofuran

Concen: 56.480 ng

RT: 10.069 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF141118.D

Acq: 10 Jan 2025 17:19

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

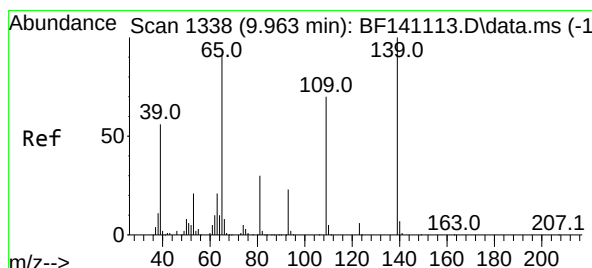
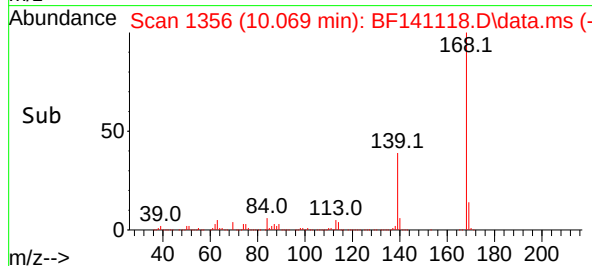
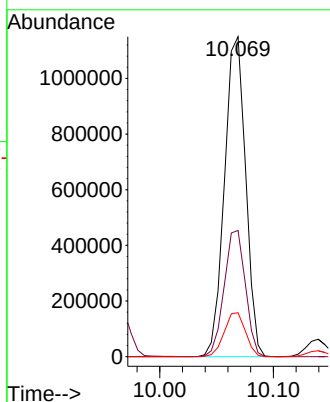
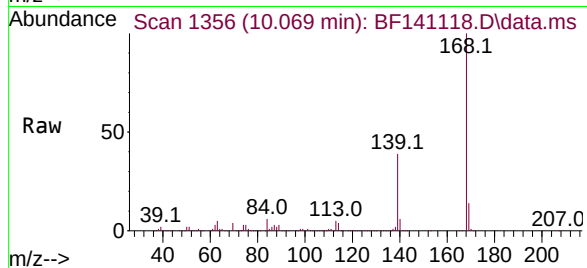
Tgt Ion:168 Resp: 1491333

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

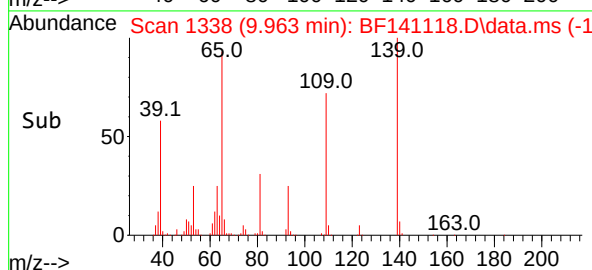
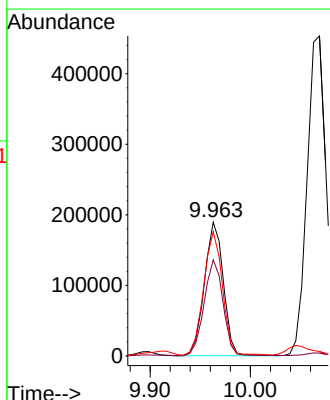
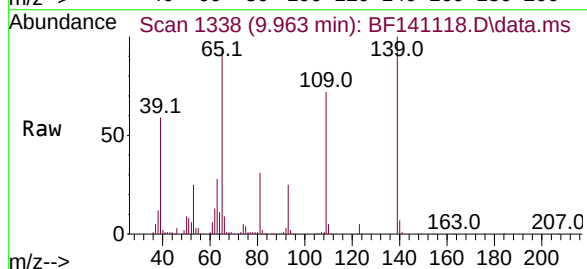
Tgt Ion:139 Resp: 248603

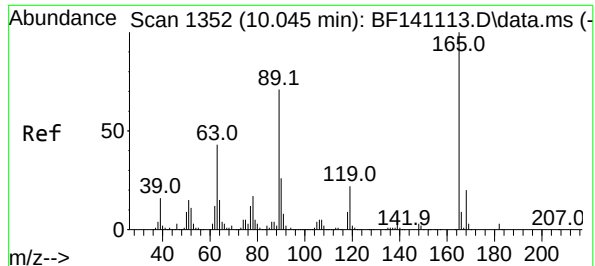
Ion Ratio Lower Upper

139 100

109 71.9 50.2 90.2

65 93.0 72.1 112.1

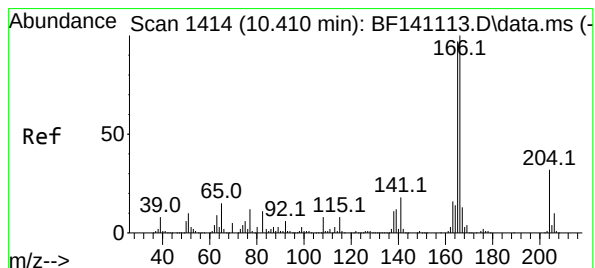
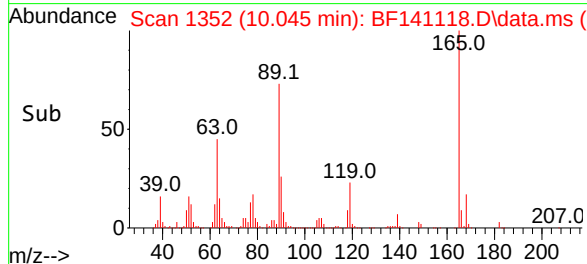
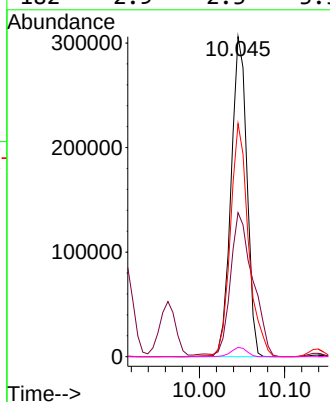
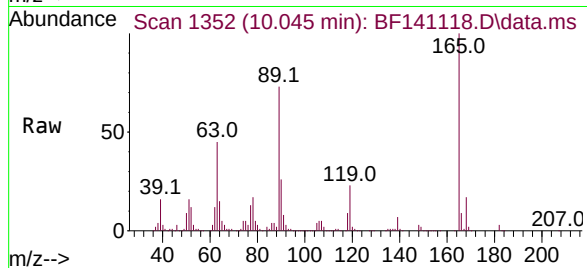




#57  
2,4-Dinitrotoluene  
Concen: 61.325 ng  
RT: 10.045 min Scan# 1352  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

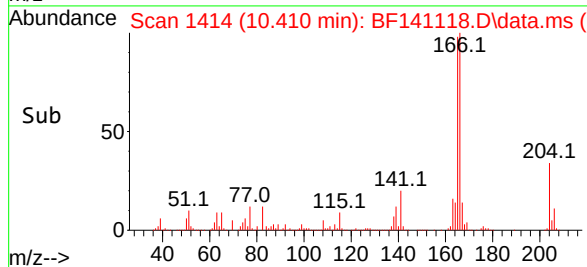
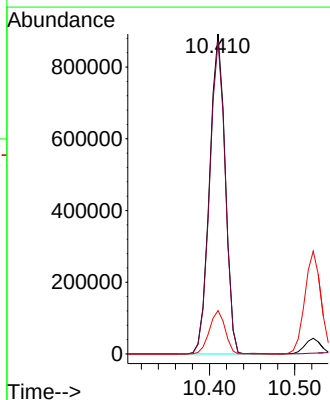
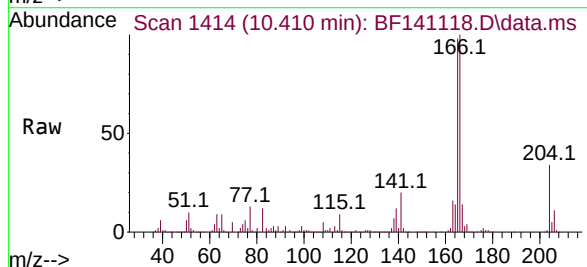
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

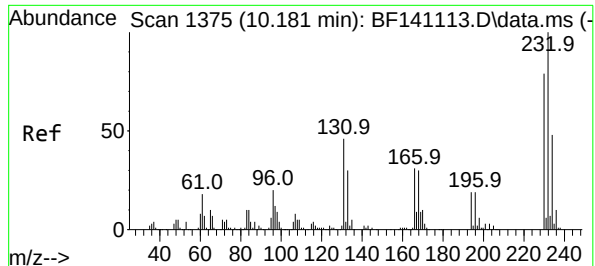
Tgt Ion:165 Resp: 396697  
Ion Ratio Lower Upper  
165 100  
63 45.0 35.0 52.4  
89 72.9 56.7 85.1  
182 2.9 2.3 3.5



#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

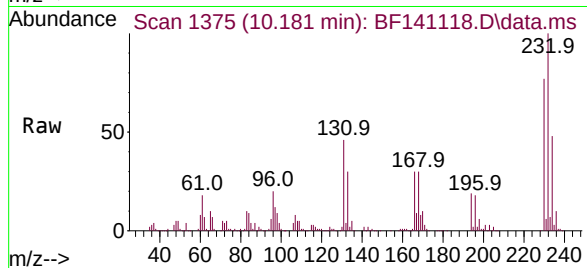
Tgt Ion:166 Resp: 1140533  
Ion Ratio Lower Upper  
166 100  
165 97.7 77.8 116.8  
167 13.6 10.8 16.2



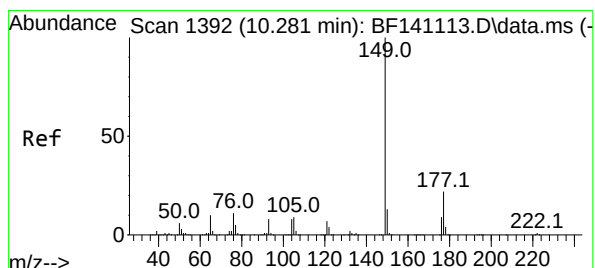
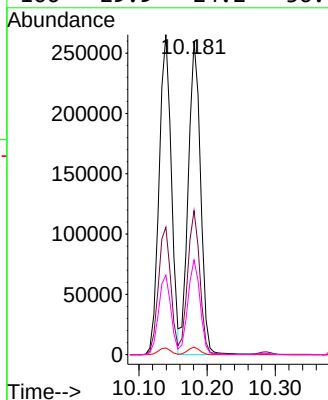
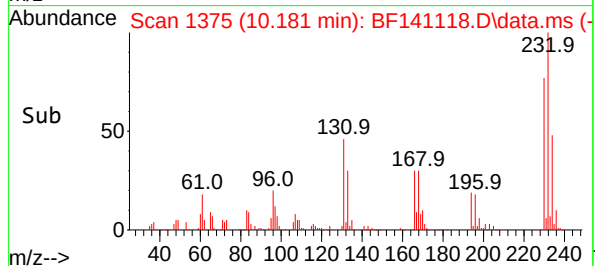


#59  
2,3,4,6-Tetrachlorophenol  
Concen: 59.450 ng  
RT: 10.181 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

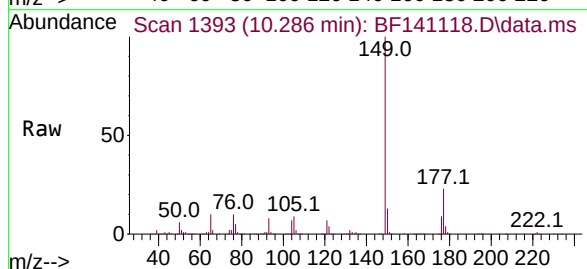
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060



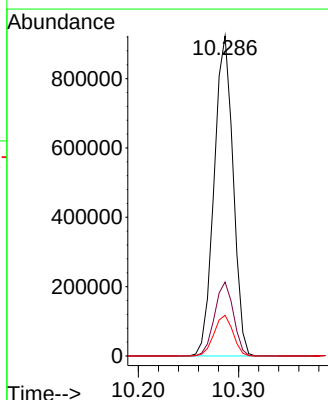
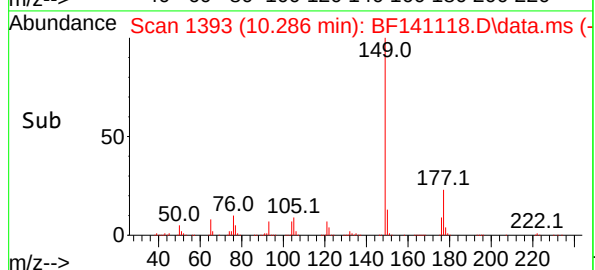
Tgt Ion:232 Resp: 324822  
Ion Ratio Lower Upper  
232 100  
131 45.7 36.2 54.4  
130 2.3 2.0 3.0  
166 29.9 24.2 36.4

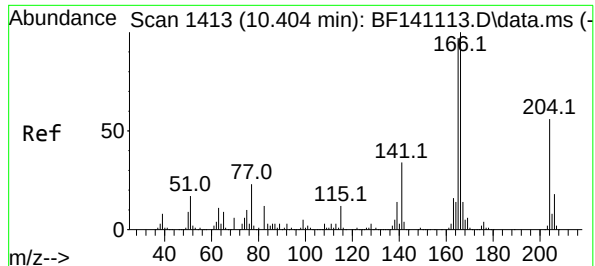


#60  
Diethylphthalate  
Concen: 57.521 ng  
RT: 10.286 min Scan# 1393  
Delta R.T. 0.006 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19



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

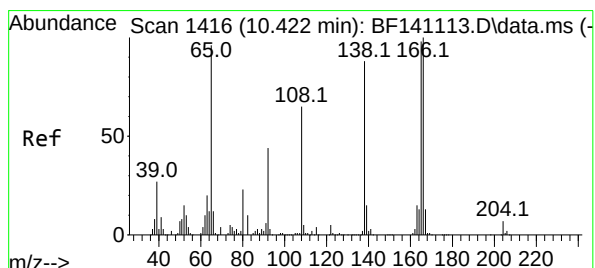
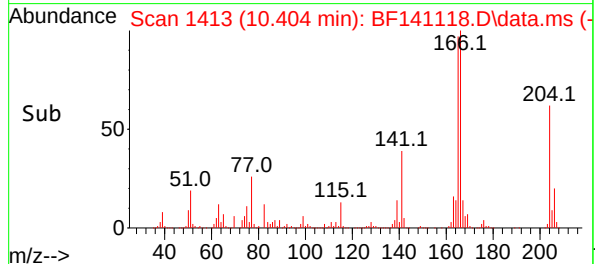
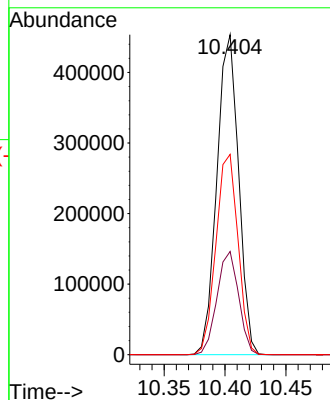
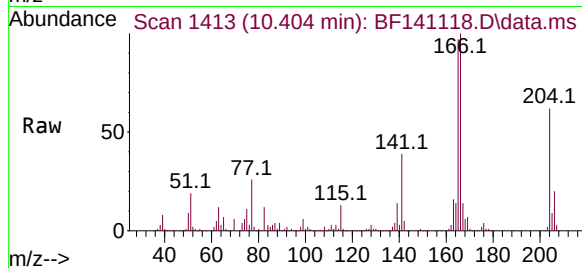




#61  
4-Chlorophenyl-phenylether  
Concen: 56.322 ng  
RT: 10.404 min Scan# 1413  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

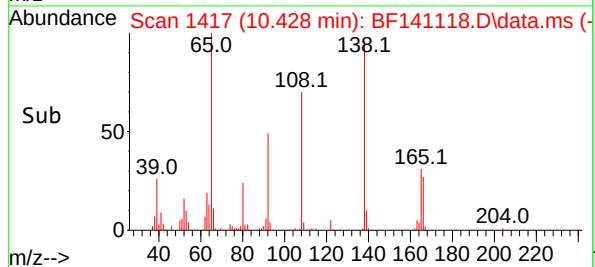
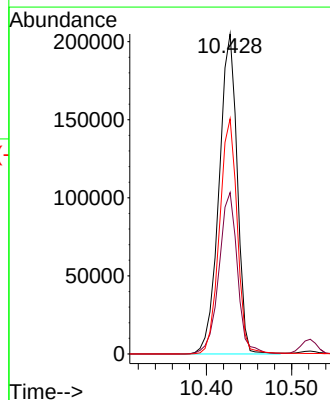
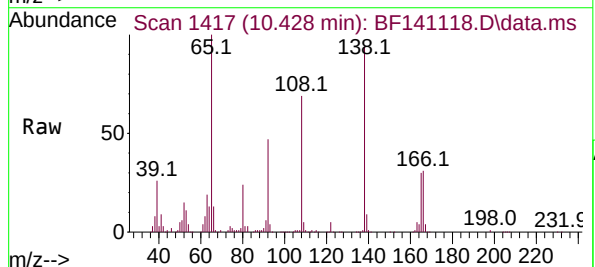
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

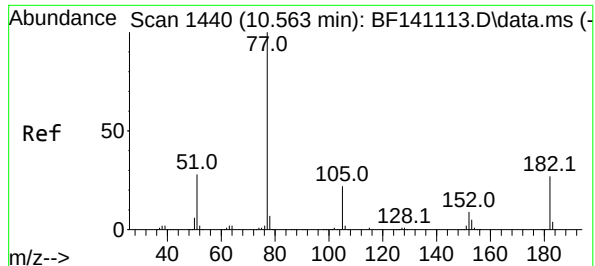
Tgt Ion:204 Resp: 563117  
Ion Ratio Lower Upper  
204 100  
206 32.2 25.9 38.9  
141 62.6 49.1 73.7



#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

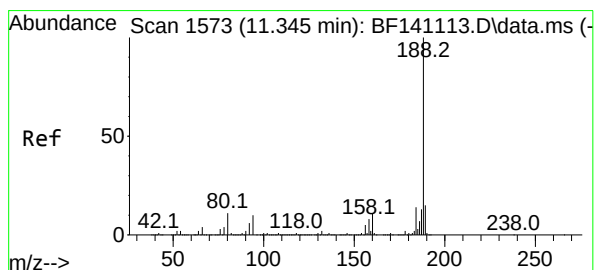
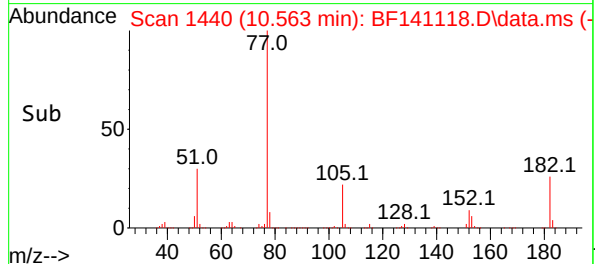
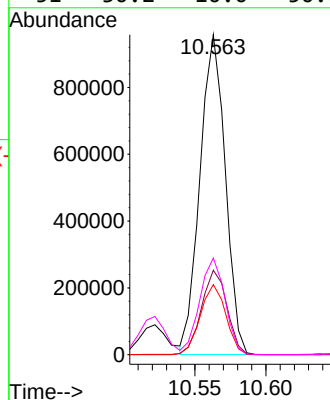
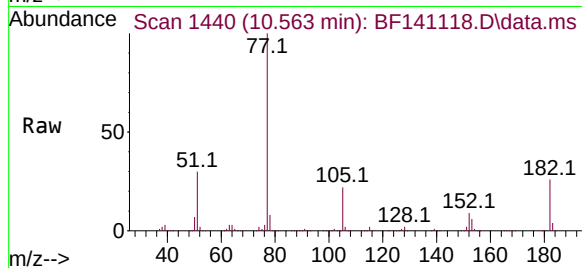




#63  
Azobenzene  
Concen: 57.188 ng  
RT: 10.563 min Scan# 1440  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

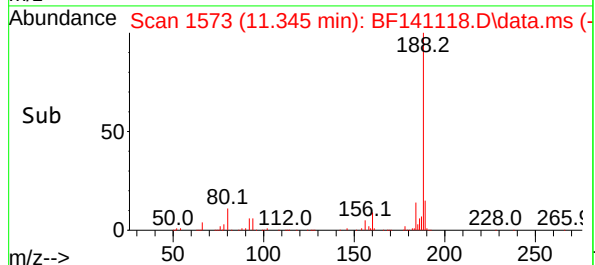
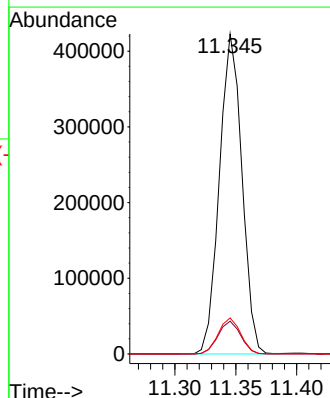
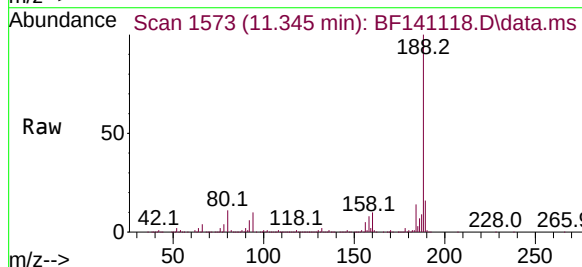
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

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

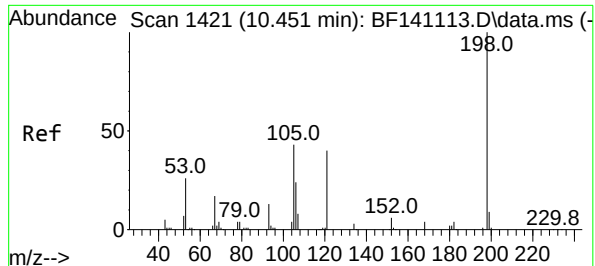


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.345 min Scan# 1573  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

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



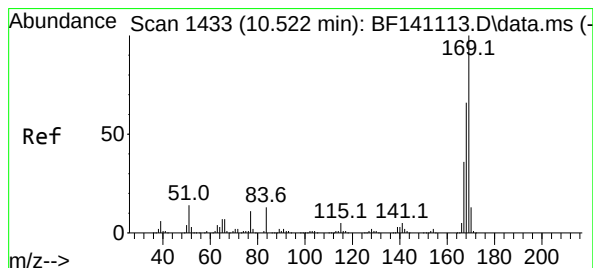
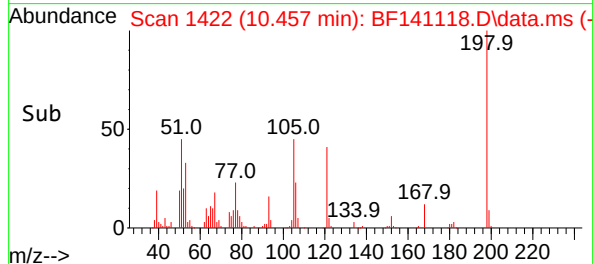
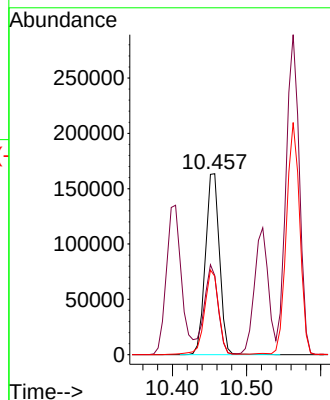
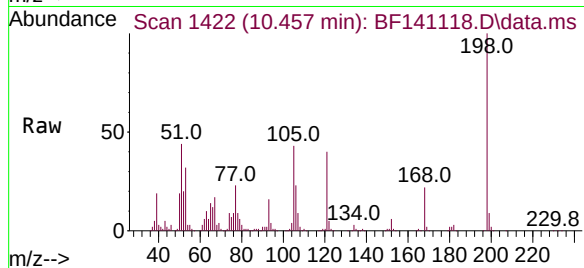




#65  
4,6-Dinitro-2-methylphenol  
Concen: 68.532 ng  
RT: 10.457 min Scan# 1422  
Delta R.T. 0.006 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

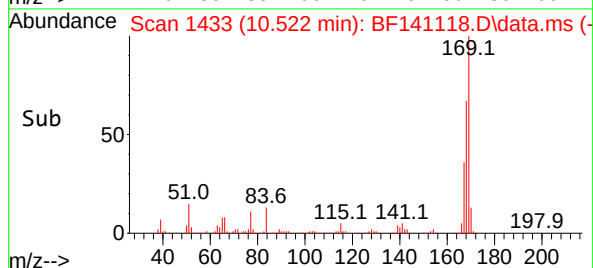
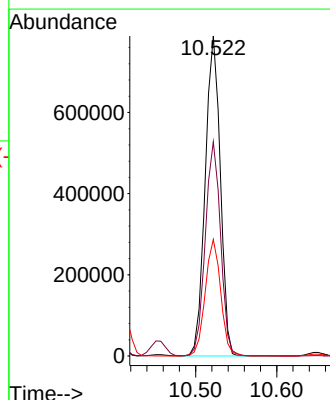
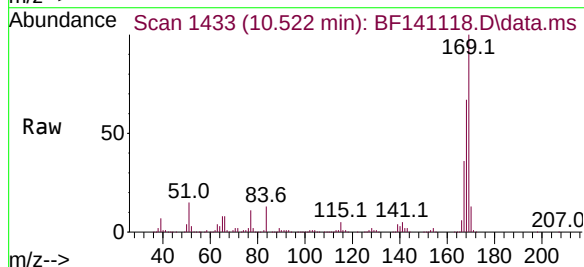
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

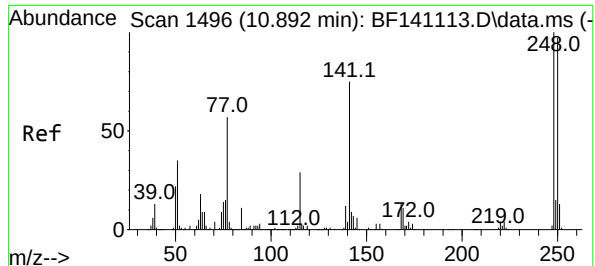
Tgt Ion:198 Resp: 216263  
Ion Ratio Lower Upper  
198 100  
51 43.7 27.1 67.1  
105 43.3 24.2 64.2



#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

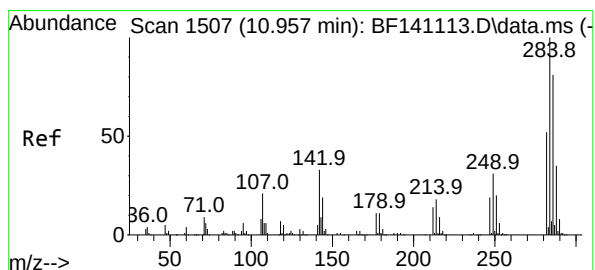
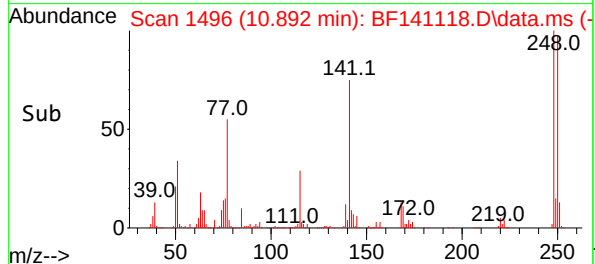
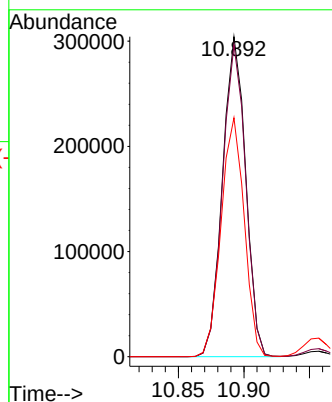
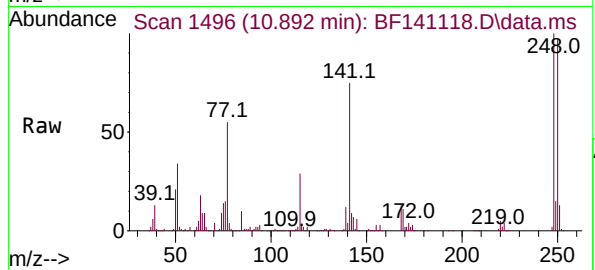




#67  
4-Bromophenyl-phenylether  
Concen: 59.581 ng  
RT: 10.892 min Scan# 1496  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

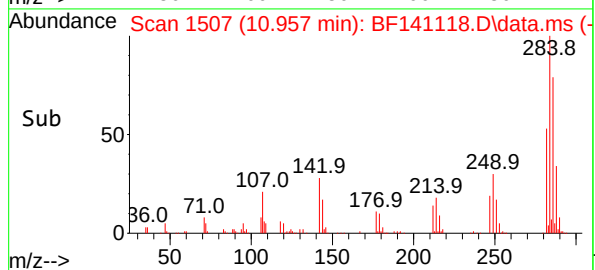
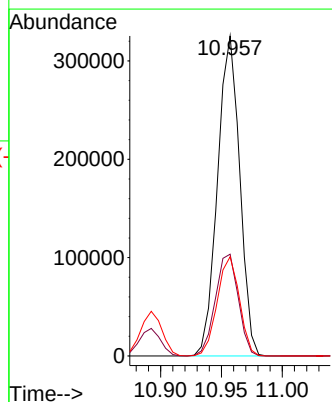
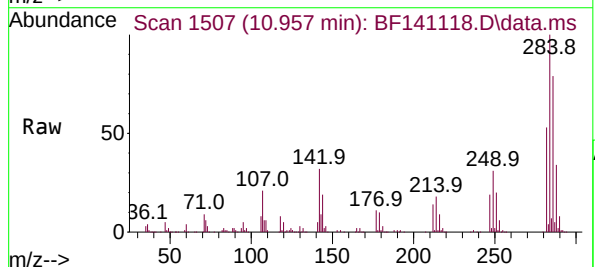
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

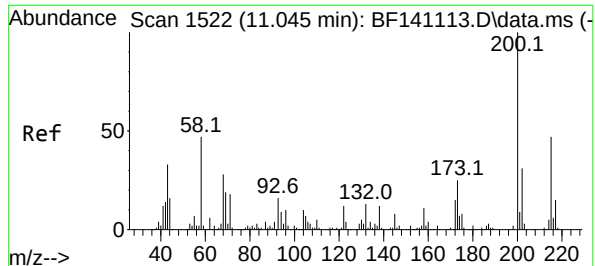
Tgt Ion:248 Resp: 373557  
Ion Ratio Lower Upper  
248 100  
250 97.4 77.9 116.9  
141 74.7 59.9 89.9



#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

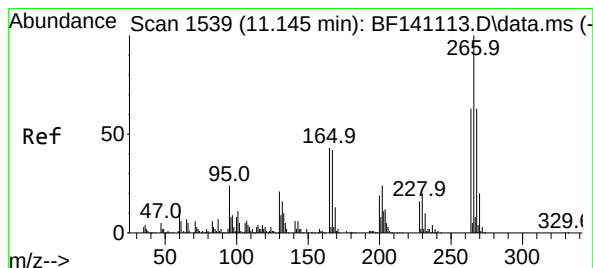
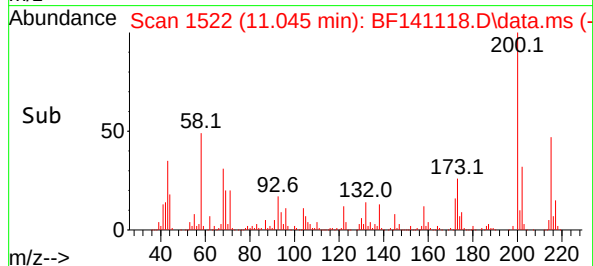
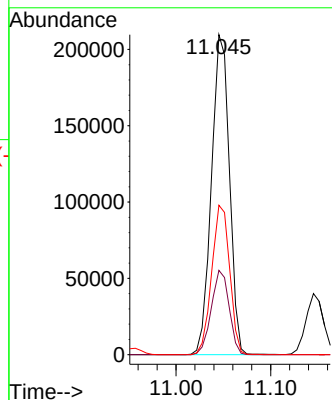
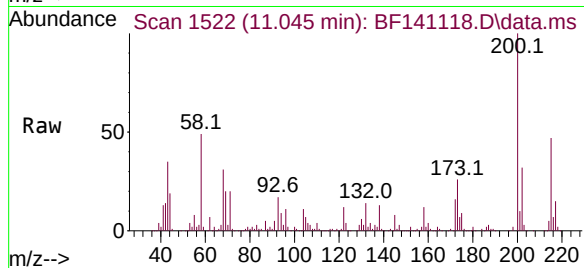




#69  
Atrazine  
Concen: 58.231 ng  
RT: 11.045 min Scan# 1522  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

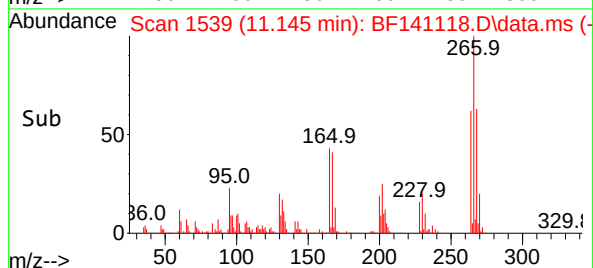
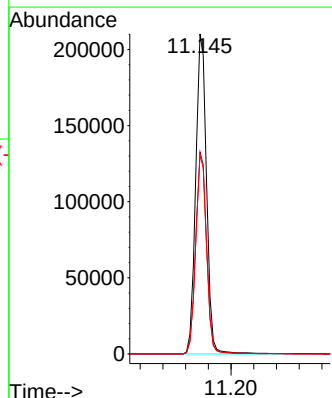
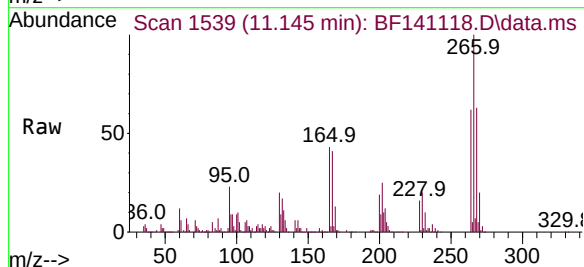
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

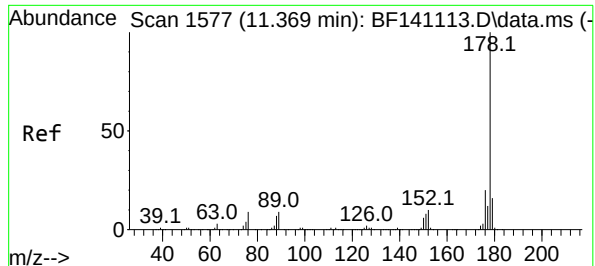
Tgt Ion:200 Resp: 275405  
Ion Ratio Lower Upper  
200 100  
173 26.4 5.4 45.4  
215 46.7 26.6 66.6



#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

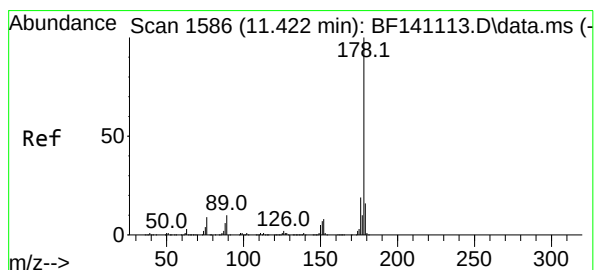
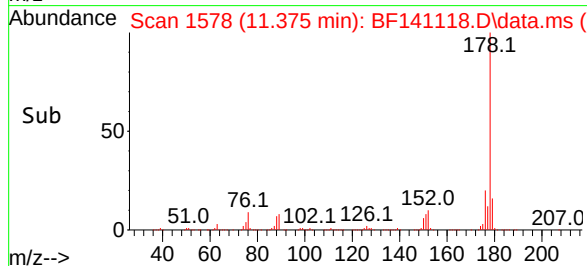
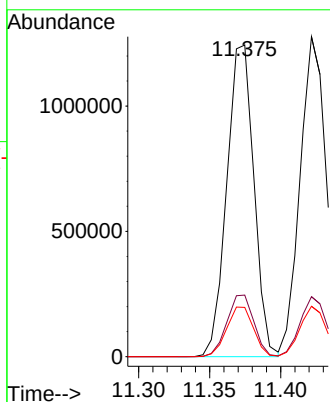
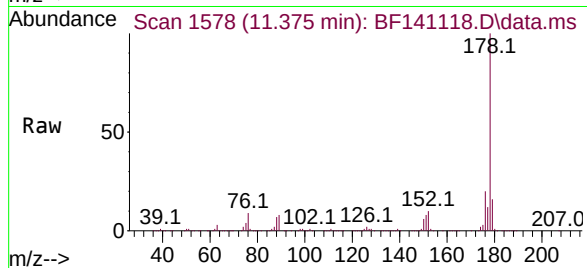




#71  
Phenanthrene  
Concen: 56.525 ng  
RT: 11.375 min Scan# 1577  
Delta R.T. 0.006 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

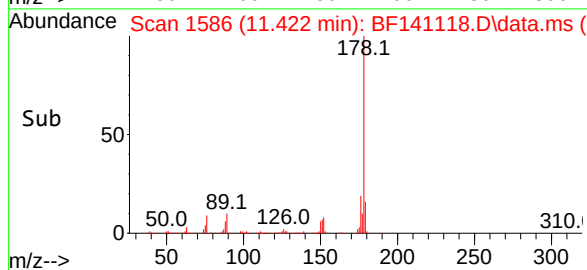
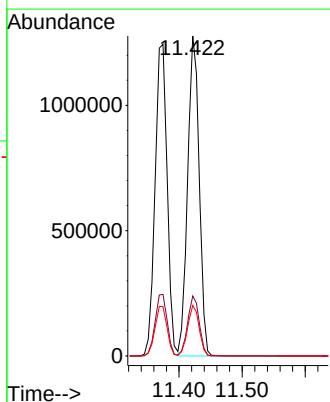
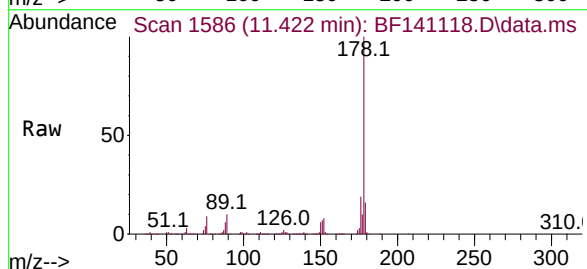
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

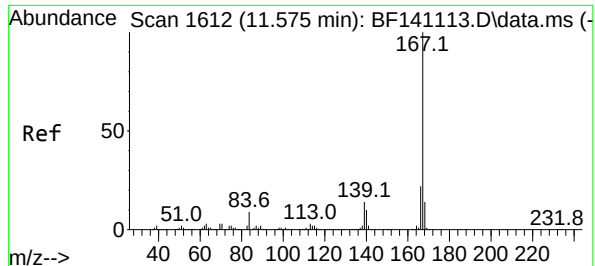
Tgt Ion:178 Resp: 1652586  
Ion Ratio Lower Upper  
178 100  
176 19.7 15.7 23.5  
179 15.8 12.6 19.0



#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

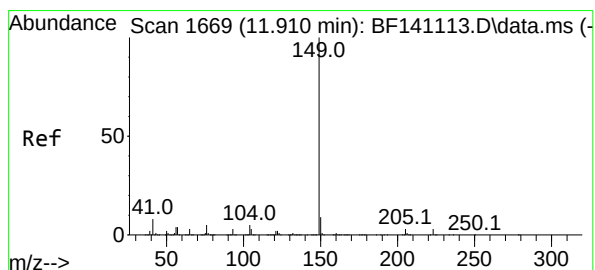
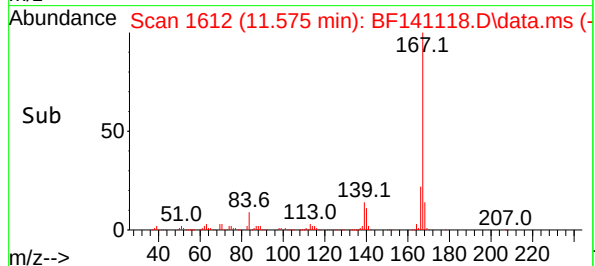
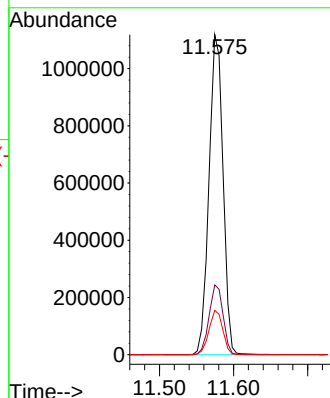
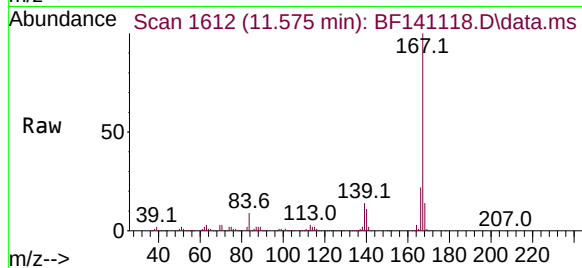




#73  
Carbazole  
Concen: 56.440 ng  
RT: 11.575 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

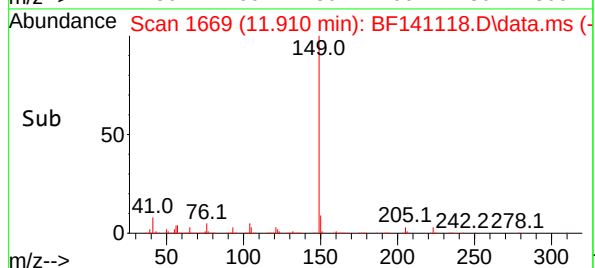
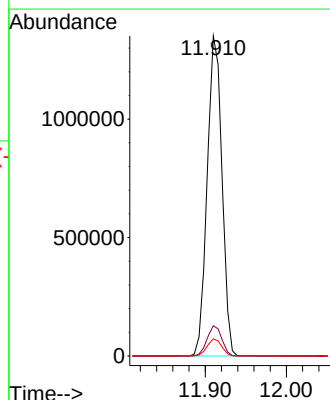
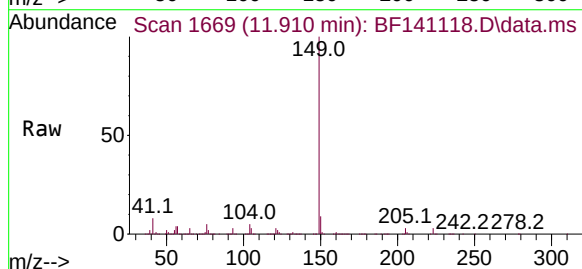
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

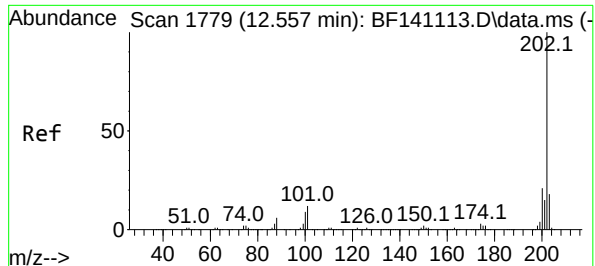
Tgt Ion:167 Resp: 1471188  
Ion Ratio Lower Upper  
167 100  
166 21.8 17.4 26.2  
139 13.8 10.9 16.3



#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

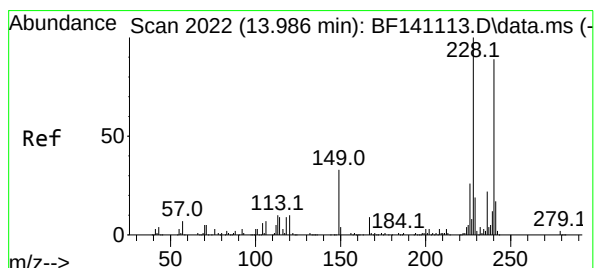
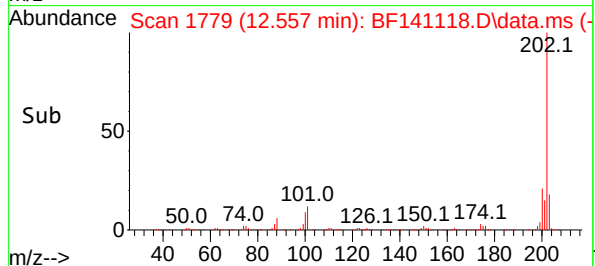
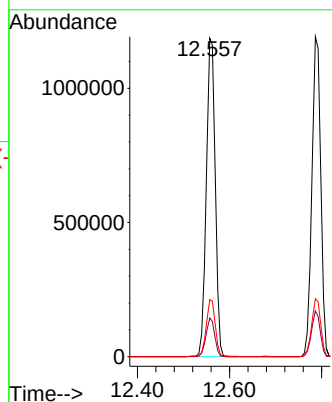
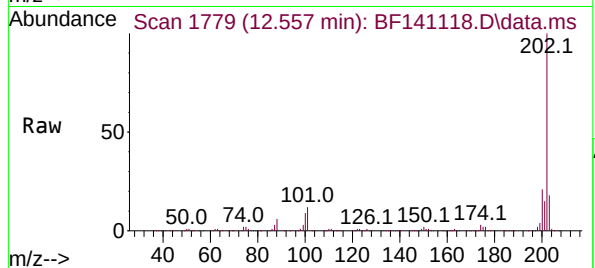




#75  
Fluoranthene  
Concen: 55.261 ng  
RT: 12.557 min Scan# 1779  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

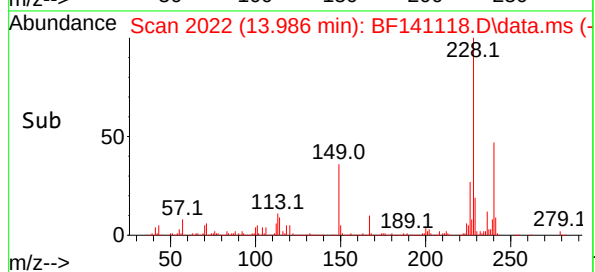
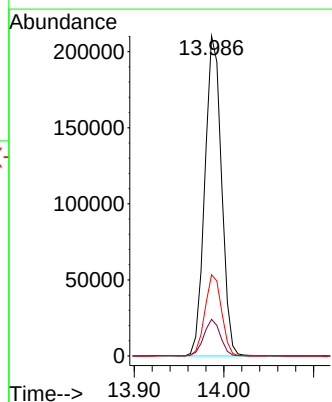
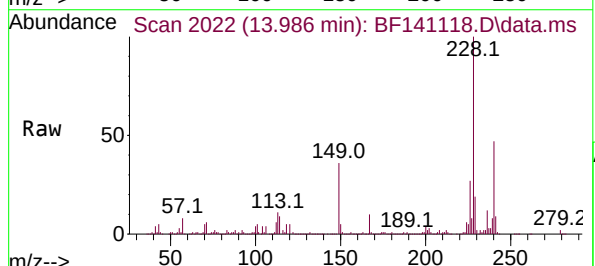
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

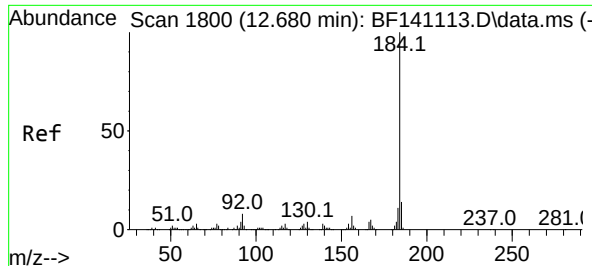
Tgt Ion:202 Resp: 1612262  
Ion Ratio Lower Upper  
202 100  
101 12.2 0.0 32.3  
203 18.0 0.0 37.7



#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

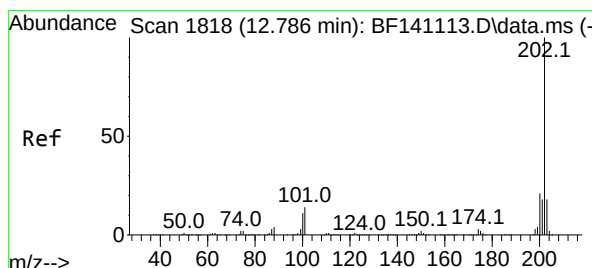
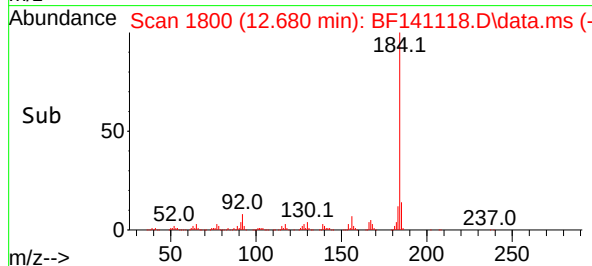
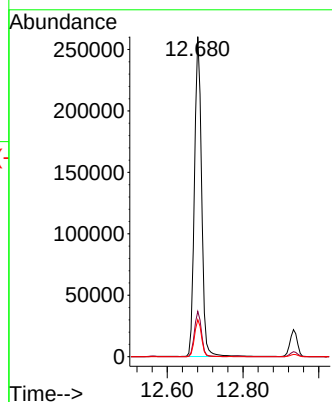
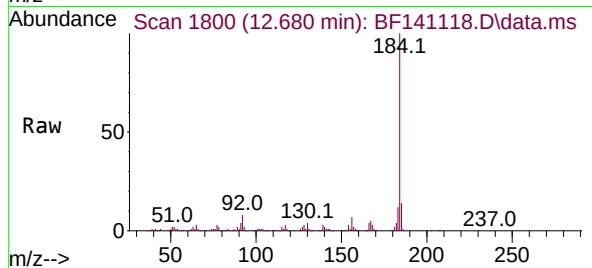




#77  
Benzidine  
Concen: 67.645 ng  
RT: 12.680 min Scan# 1800  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

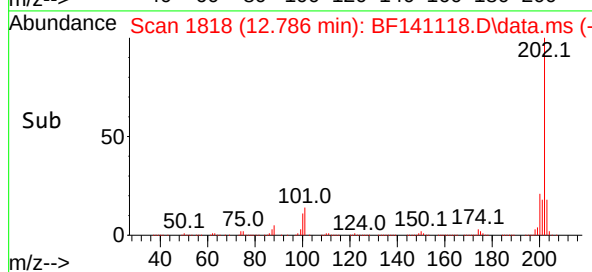
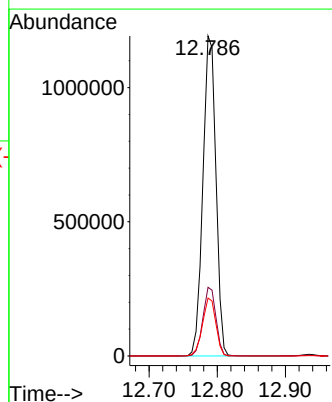
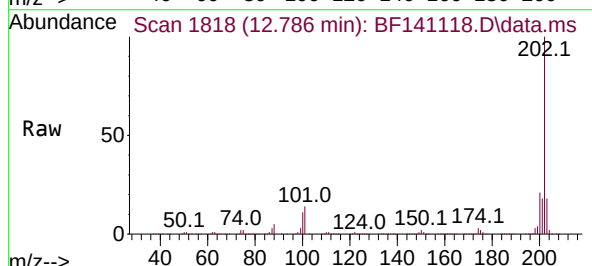
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

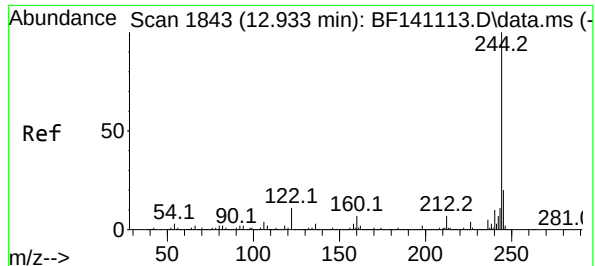
Tgt Ion:184 Resp: 339258  
Ion Ratio Lower Upper  
184 100  
185 14.1 11.4 17.0  
183 11.6 9.2 13.8



#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# 1843

Delta R.T. 0.000 min

Lab File: BF141118.D

Acq: 10 Jan 2025 17:19

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

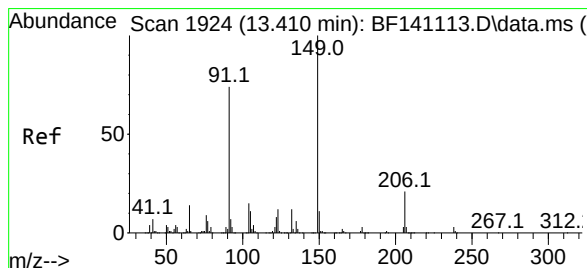
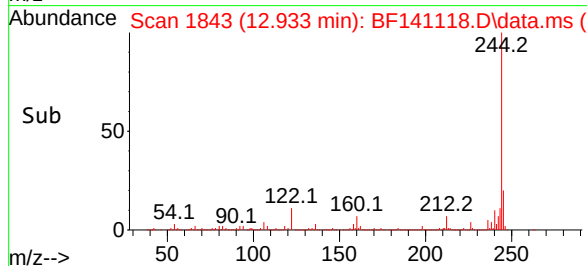
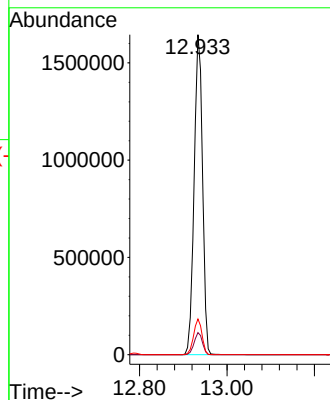
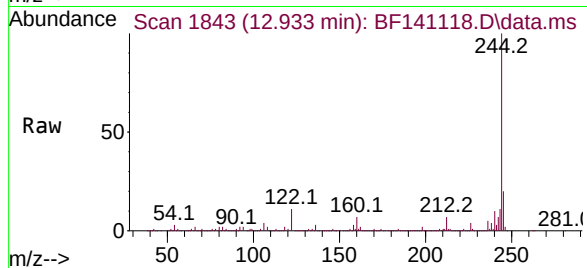
Tgt Ion:244 Resp: 2193567

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

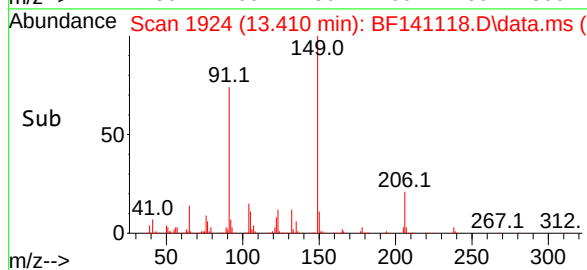
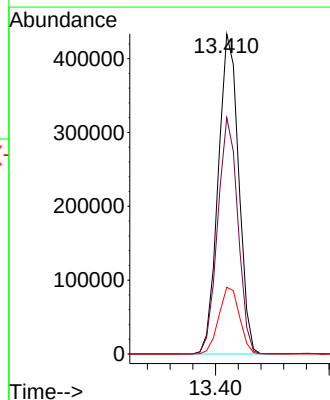
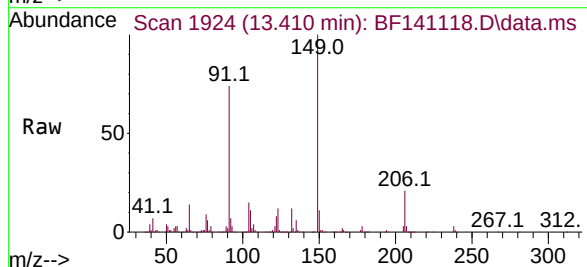
Tgt Ion:149 Resp: 542533

Ion Ratio Lower Upper

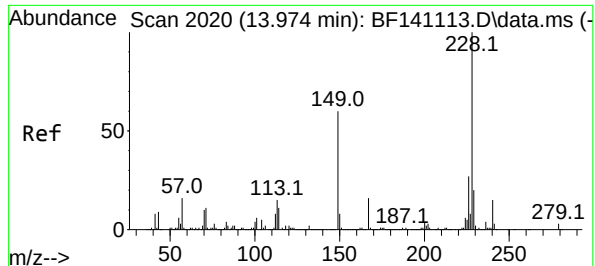
149 100

91 73.9 59.0 88.6

206 20.9 16.5 24.7



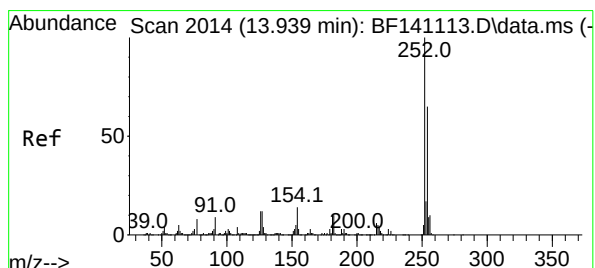
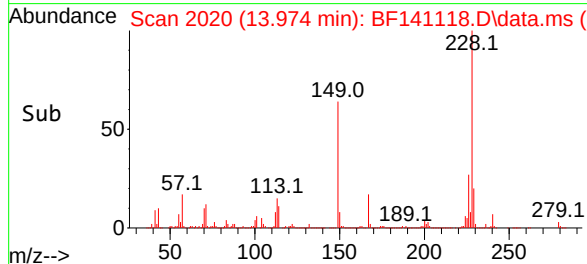
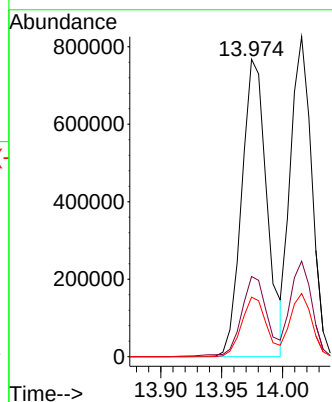
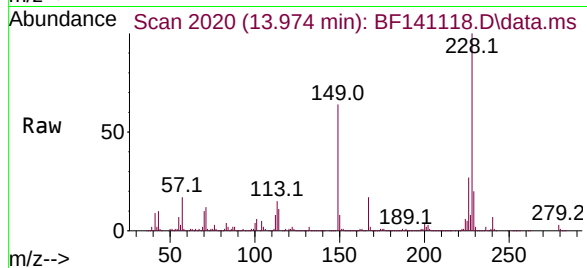




#81  
Benzo(a)anthracene  
Concen: 60.261 ng  
RT: 13.974 min Scan# 2014  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

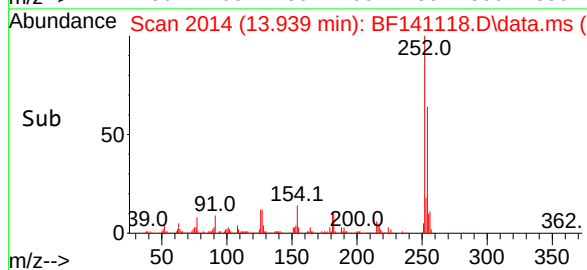
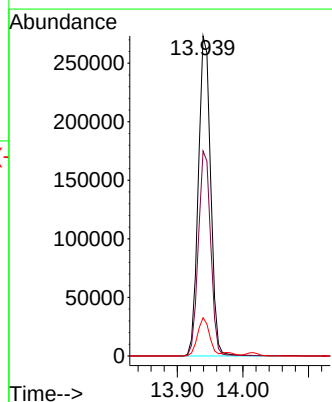
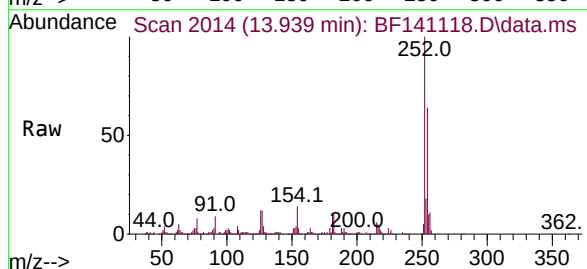
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

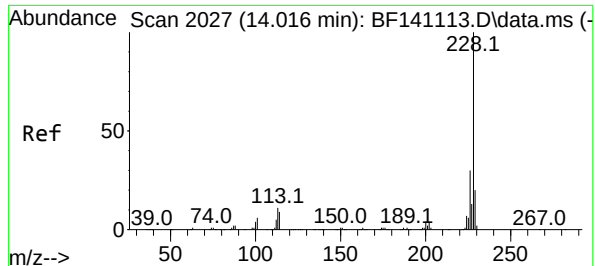
Tgt Ion:228 Resp: 1109142  
Ion Ratio Lower Upper  
228 100  
226 26.9 21.7 32.5  
229 20.0 15.7 23.5



#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

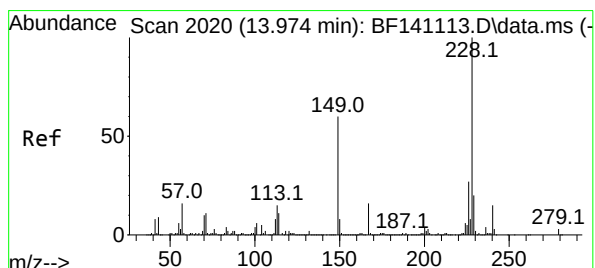
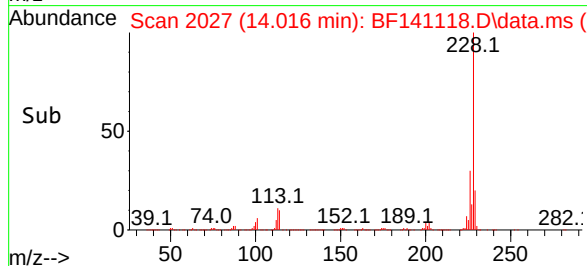
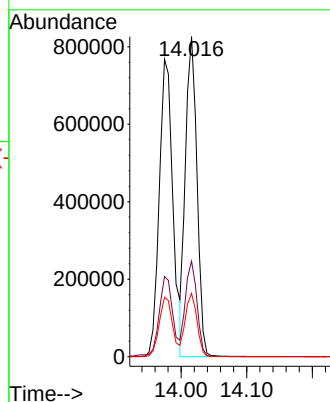
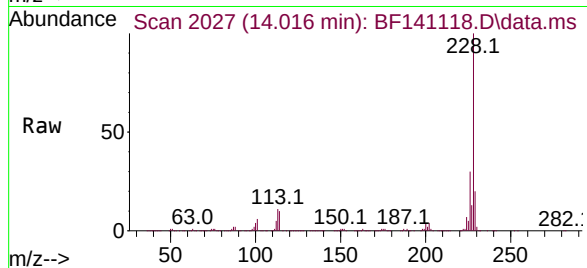




#83  
Chrysene  
Concen: 58.332 ng  
RT: 14.016 min Scan# 2027  
Delta R.T. 0.000 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

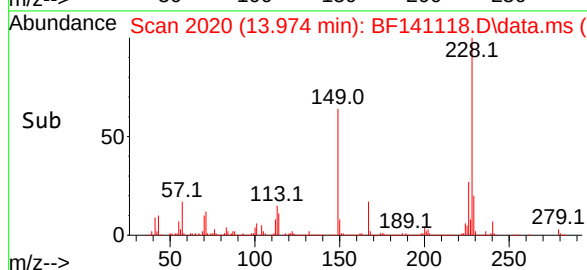
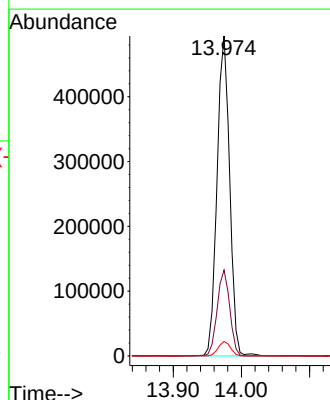
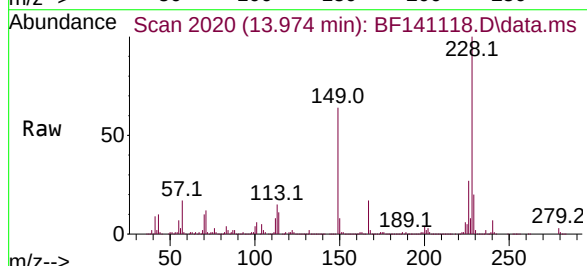
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

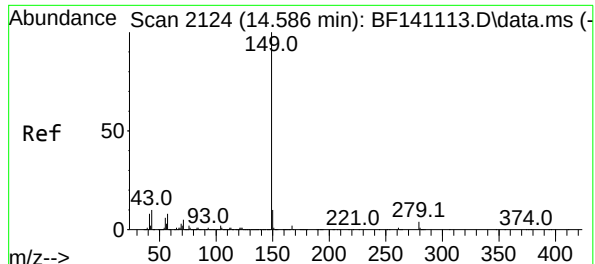
Tgt Ion:228 Resp: 1004586  
Ion Ratio Lower Upper  
228 100  
226 29.9 23.8 35.8  
229 19.8 15.8 23.8



#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

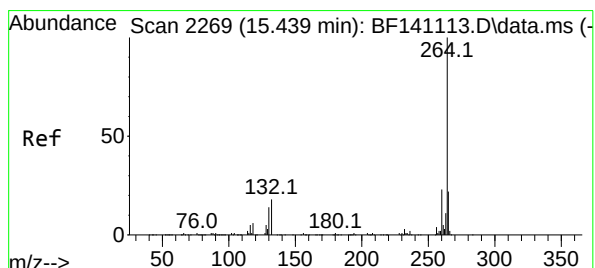
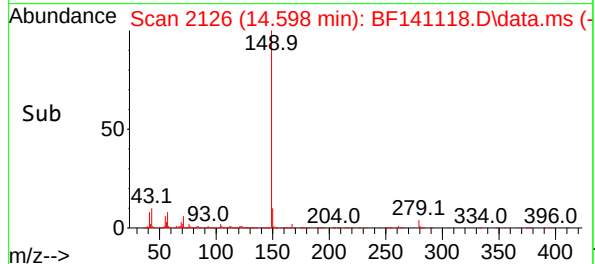
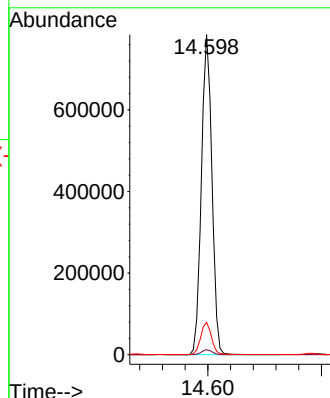
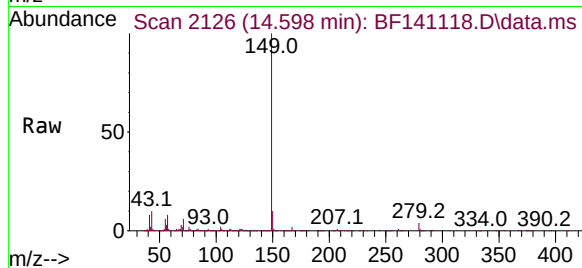




#85  
Di-n-octyl phthalate  
Concen: 64.657 ng  
RT: 14.598 min Scan# 2124  
Delta R.T. 0.012 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

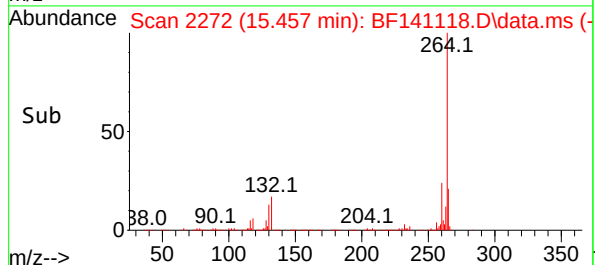
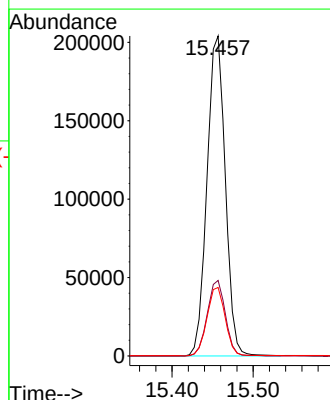
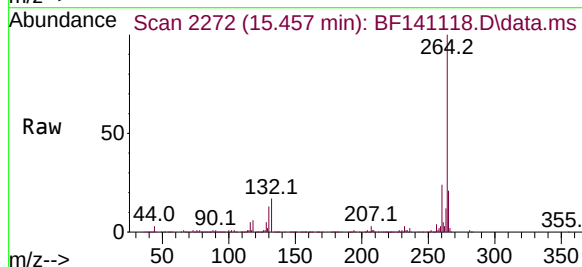
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

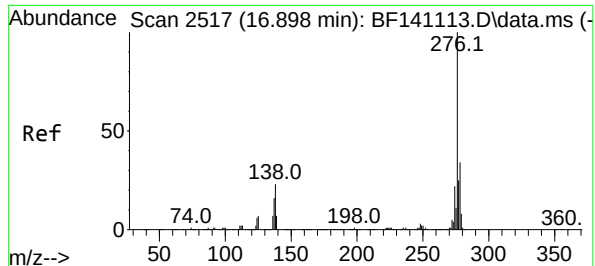
Tgt Ion:149 Resp: 1008931  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 10.3 8.4 12.6



#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

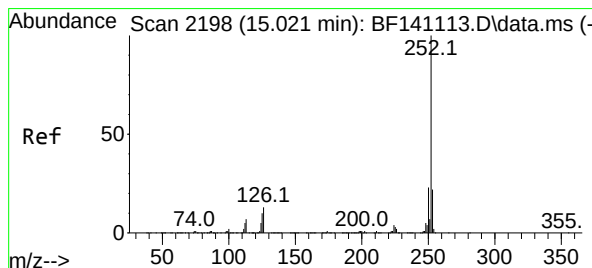
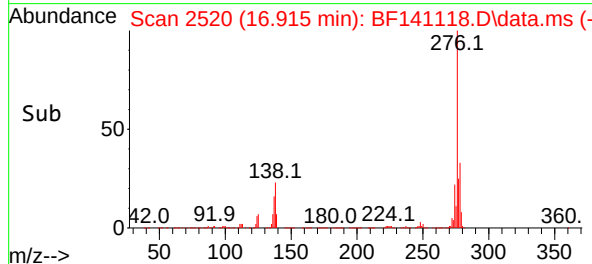
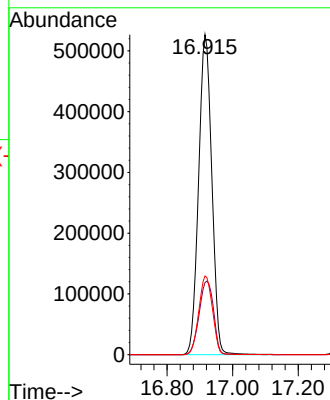
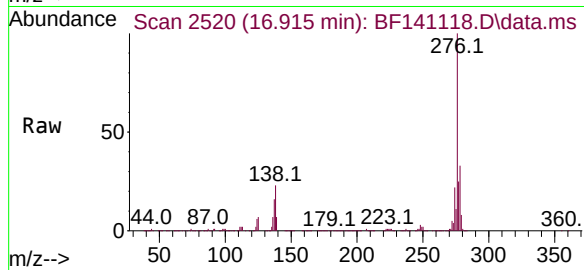




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 63.034 ng  
RT: 16.915 min Scan# 21  
Delta R.T. 0.018 min  
Lab File: BF141118.D  
Acq: 10 Jan 2025 17:19

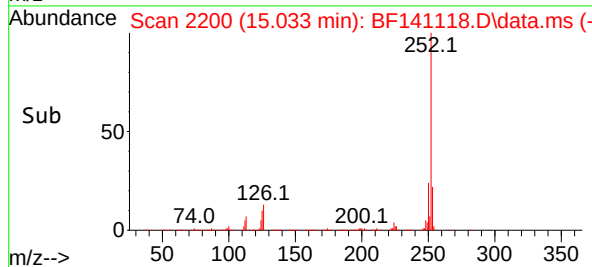
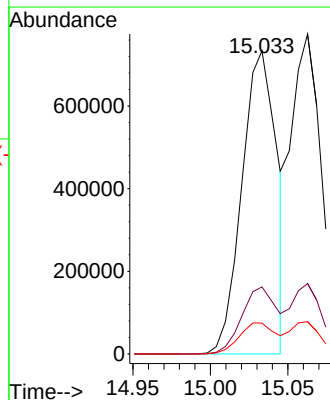
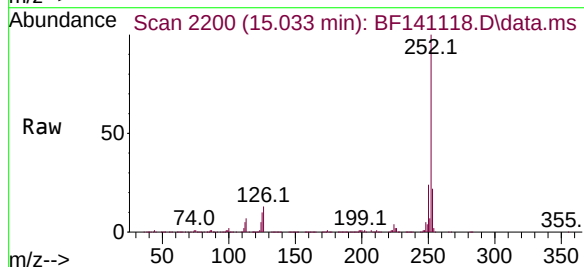
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC060

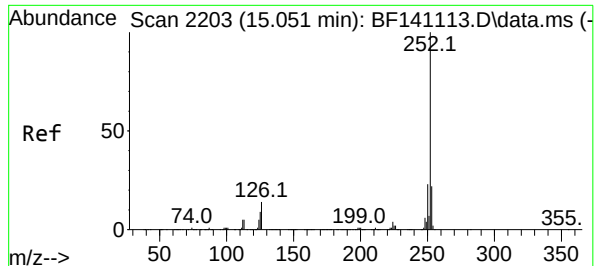
Tgt Ion:276 Resp: 1475298  
Ion Ratio Lower Upper  
276 100  
138 25.3 20.7 31.1  
277 25.5 20.6 30.8



#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# 21

Delta R.T. 0.012 min

Lab File: BF141118.D

Acq: 10 Jan 2025 17:19

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

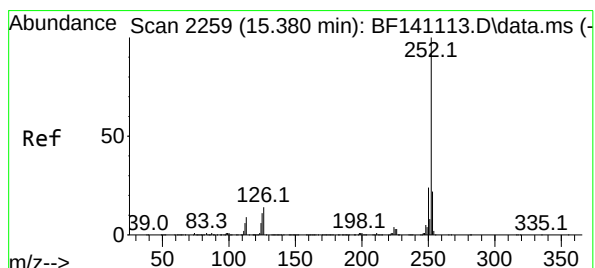
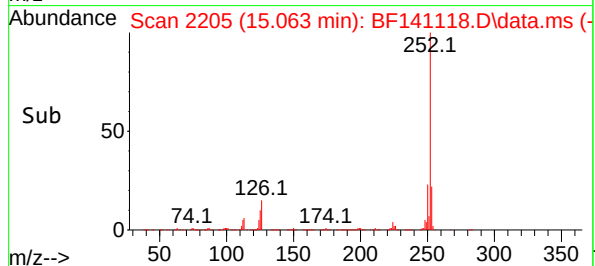
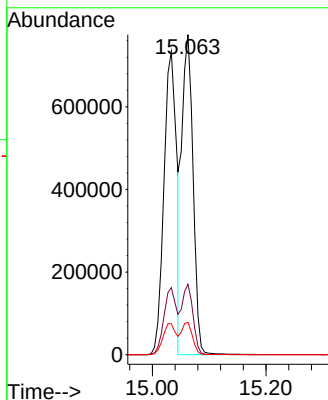
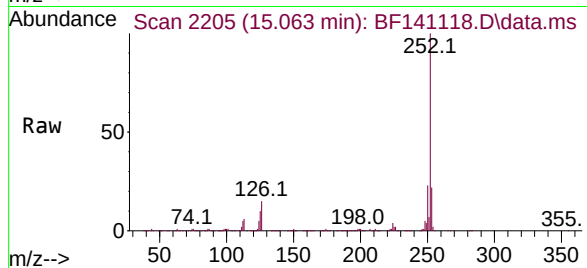
Tgt Ion:252 Resp: 1057429

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

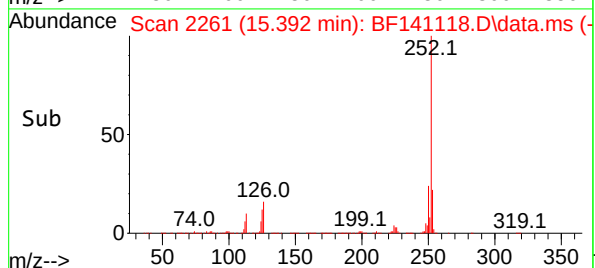
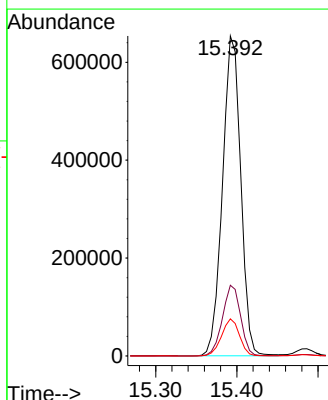
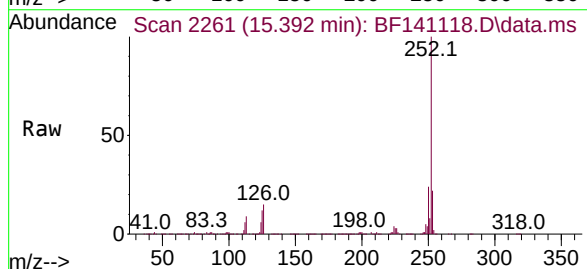
Tgt Ion:252 Resp: 1022132

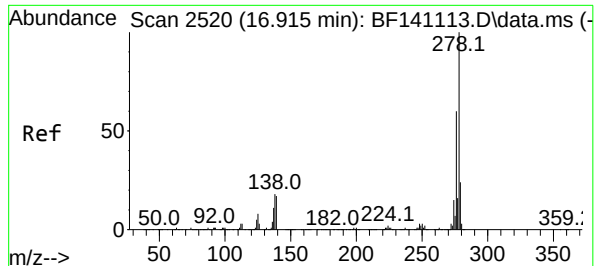
Ion Ratio Lower Upper

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# 2524

Delta R.T. 0.024 min

Lab File: BF141118.D

Acq: 10 Jan 2025 17:19

Instrument :

BNA\_F

ClientSampleId :

SSTDICC060

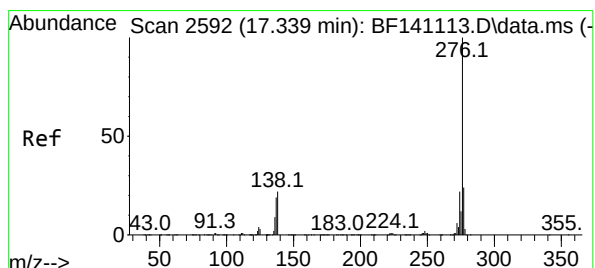
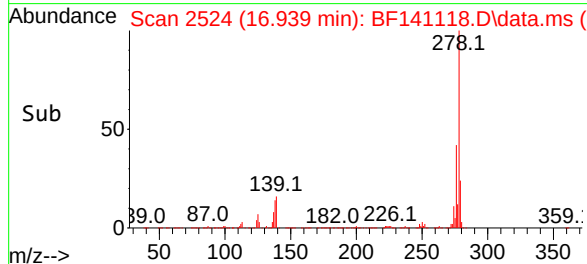
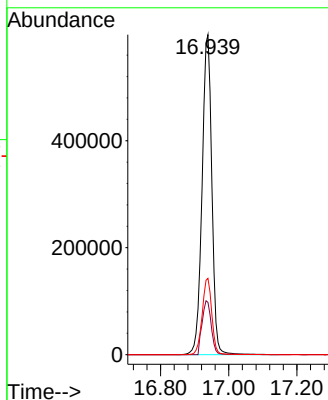
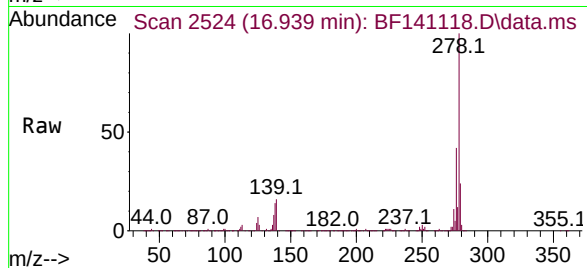
Tgt Ion:278 Resp: 1195359

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

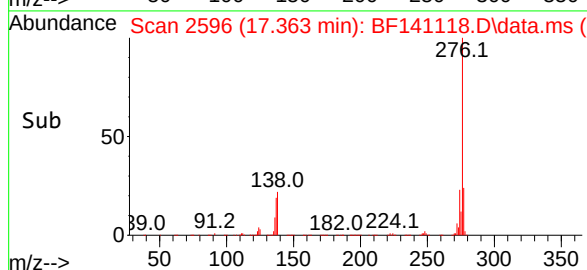
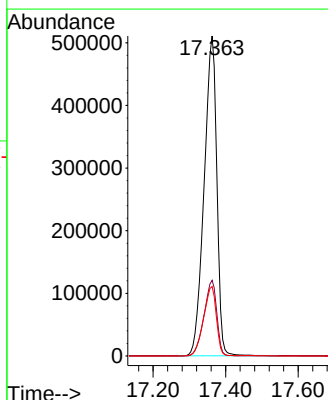
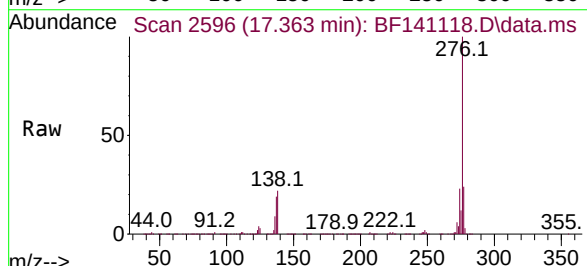
Tgt Ion:276 Resp: 1241806

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 21.7 17.4 26.2



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       |

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       |

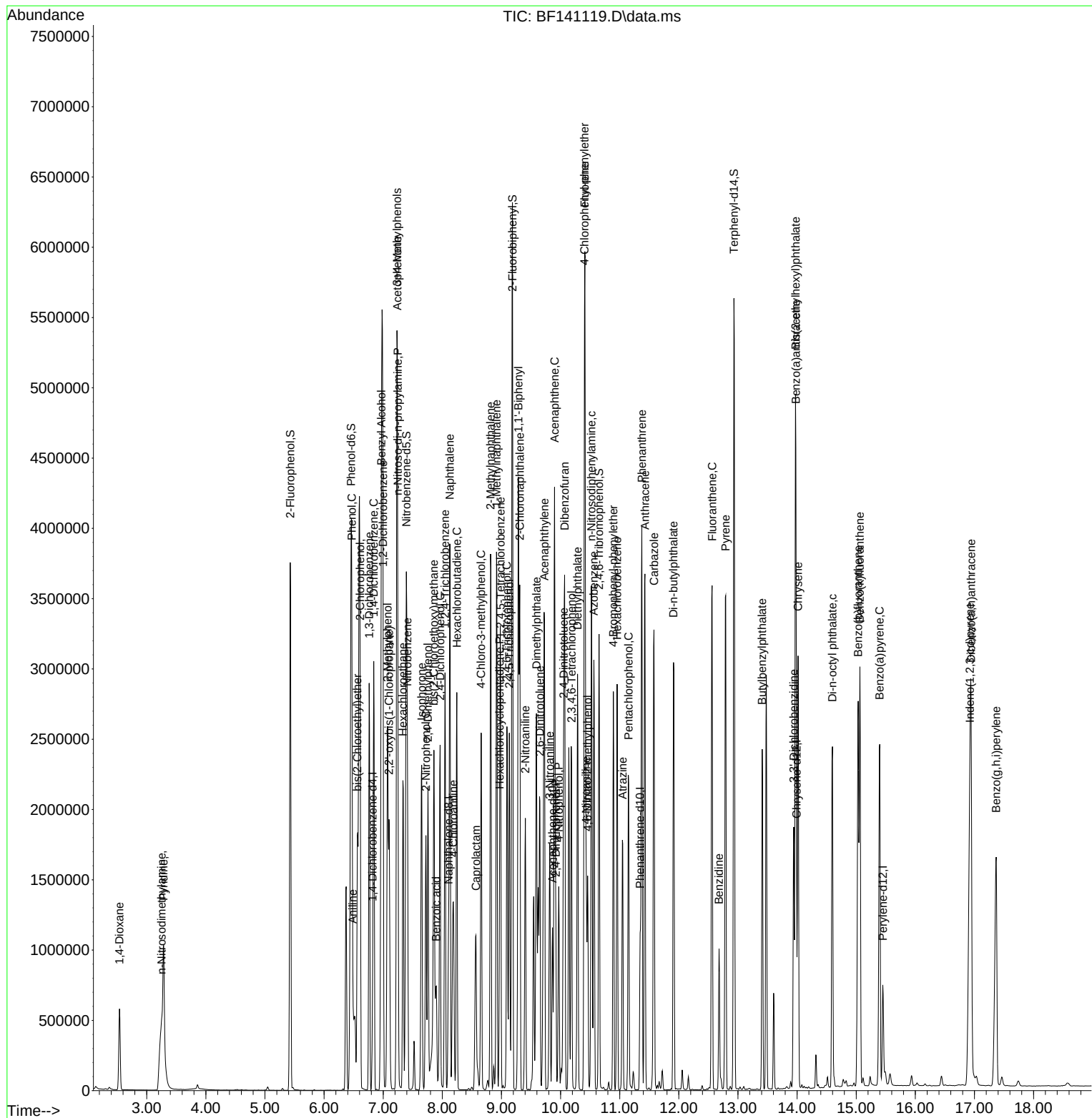
(#) = qualifier out of range (m) = manual integration (+) = signals summed

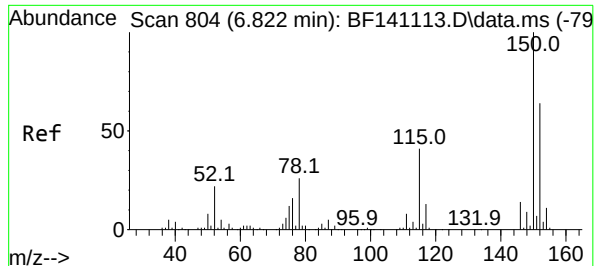


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Data File : BF141119.D  
Acq On    : 10 Jan 2025   17:45  
Operator  : RC/JU  
Sample    : SSTDICC080  
Misc      :  
ALS Vial  : 12    Sample Multiplier: 1
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**Instrument :**  
BNA\_F  
**ClientSampleId :**  
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

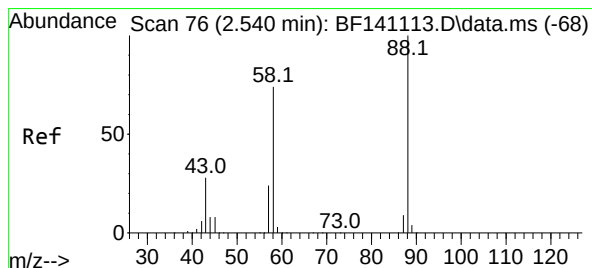
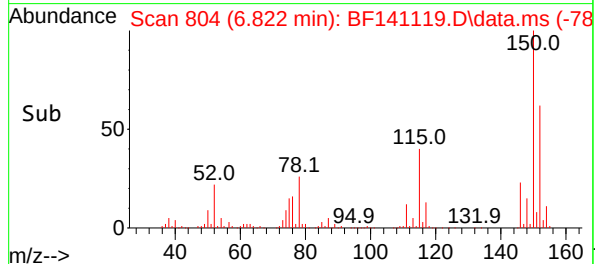
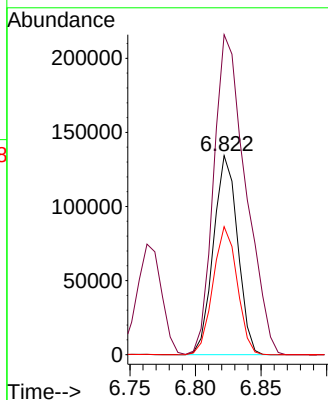
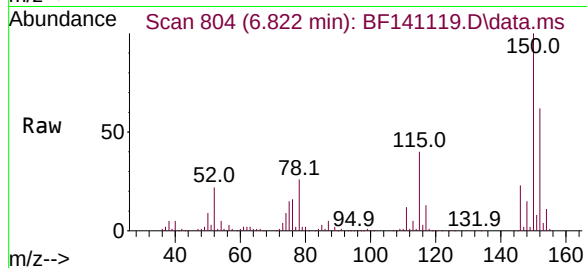




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

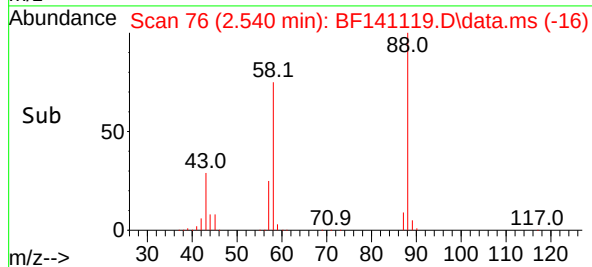
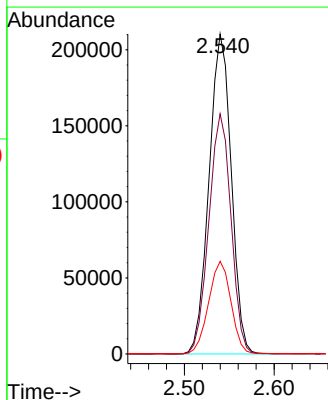
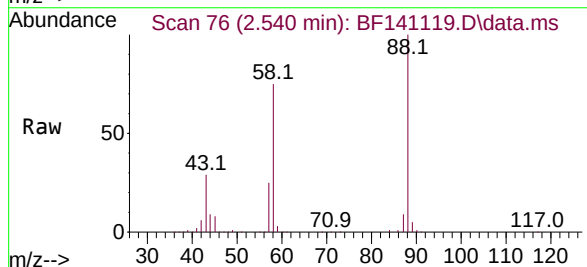
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

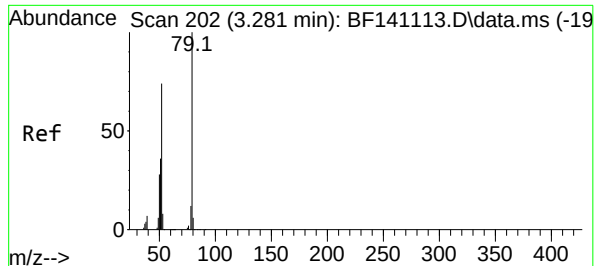
Tgt Ion:152 Resp: 172282  
Ion Ratio Lower Upper  
152 100  
150 160.7 125.8 188.8  
115 64.3 51.4 77.2



#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# 20

Delta R.T. 0.006 min

Lab File: BF141119.D

Acq: 10 Jan 2025 17:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

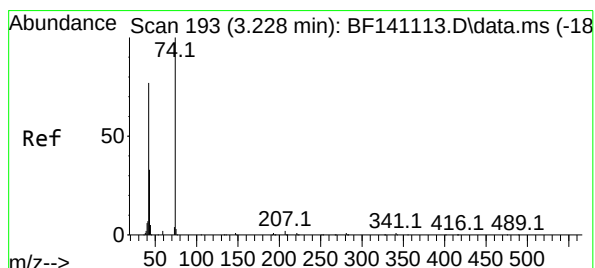
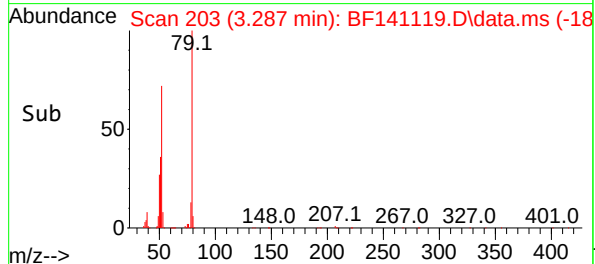
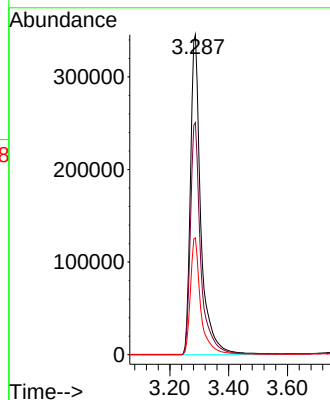
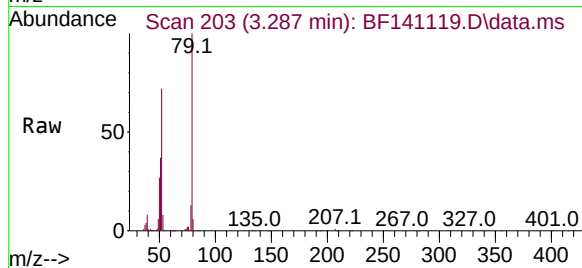
Tgt Ion: 79 Resp: 855609

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

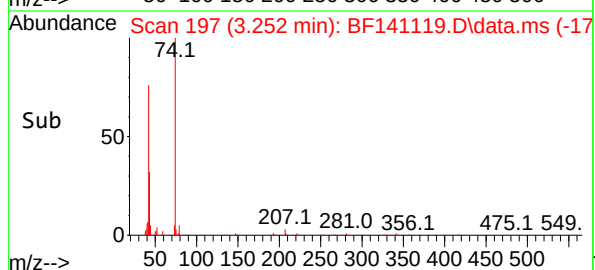
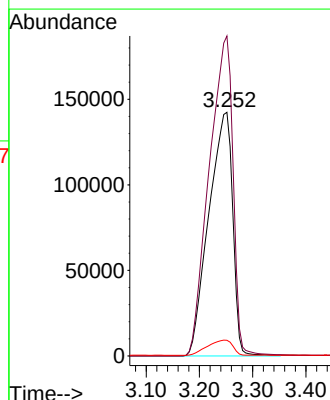
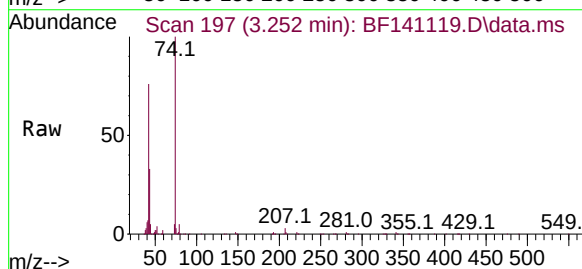
Tgt Ion: 42 Resp: 443709

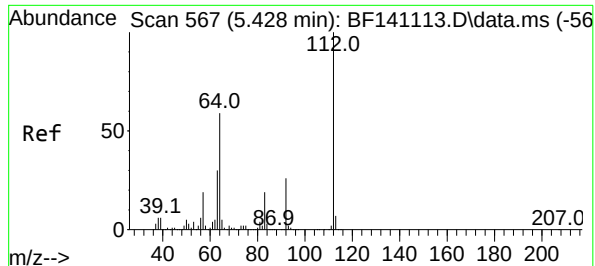
Ion Ratio Lower Upper

42 100

74 131.3 103.8 155.6

44 6.4 5.3 7.9

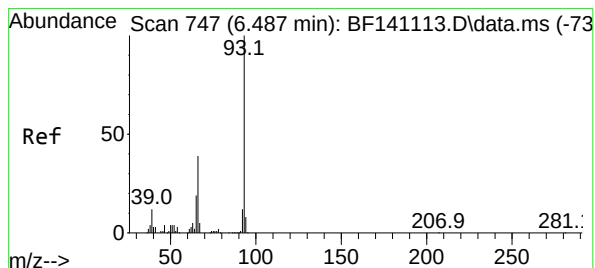
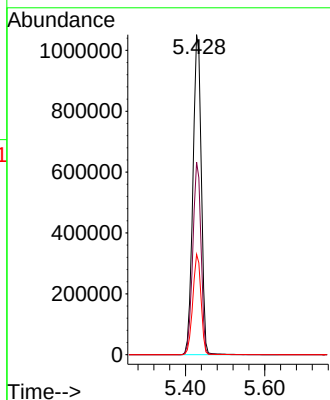
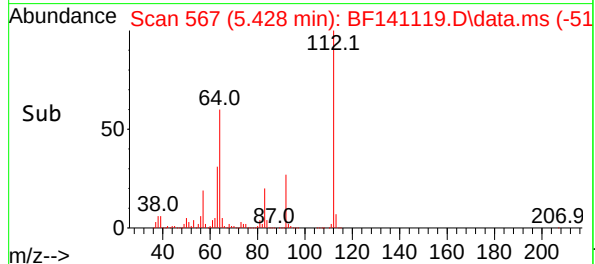
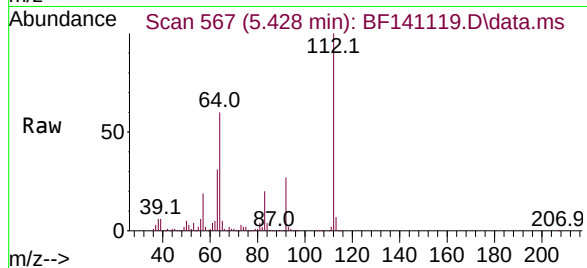




#5  
2-Fluorophenol  
Concen: 138.495 ng  
RT: 5.428 min Scan# 567  
Delta R.T. -0.000 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

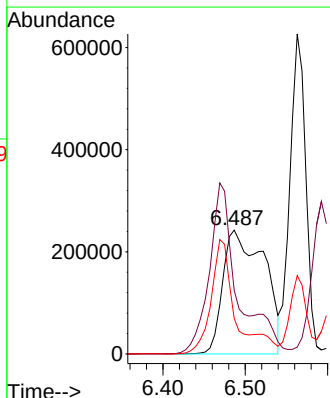
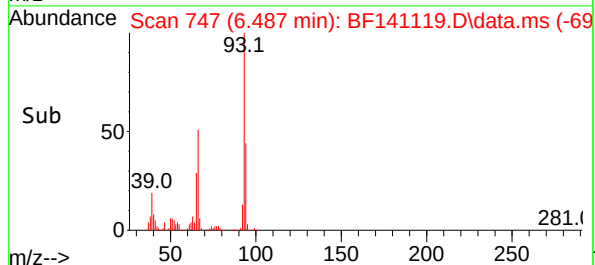
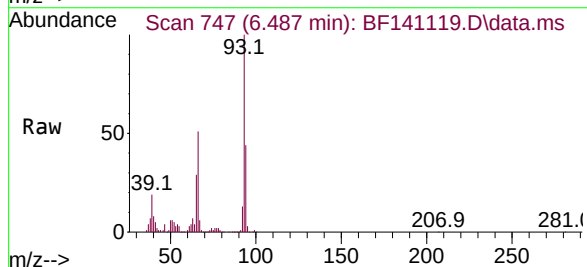
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

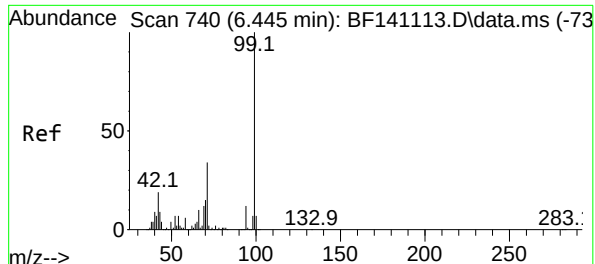
Tgt Ion:112 Resp: 1544552  
Ion Ratio Lower Upper  
112 100  
64 60.2 47.3 70.9  
63 31.3 24.2 36.2



#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# 741

Delta R.T. 0.012 min

Lab File: BF141119.D

Acq: 10 Jan 2025 17:45

Instrument :

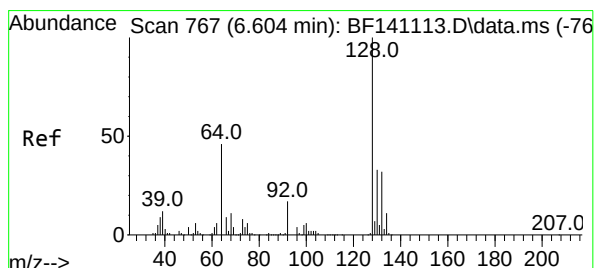
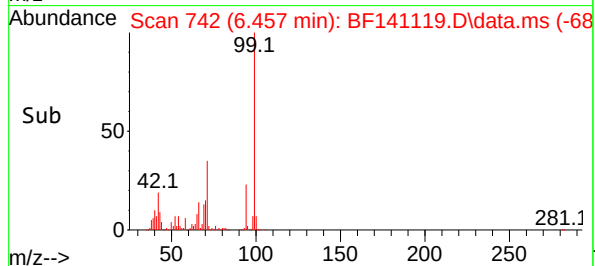
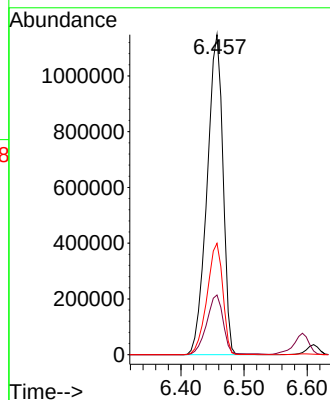
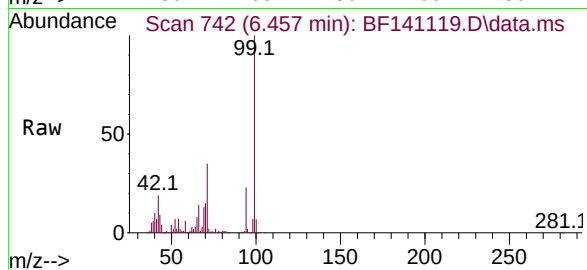
BNA\_F

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

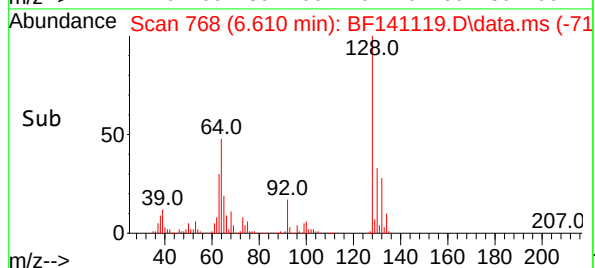
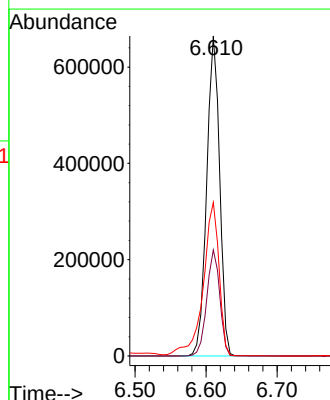
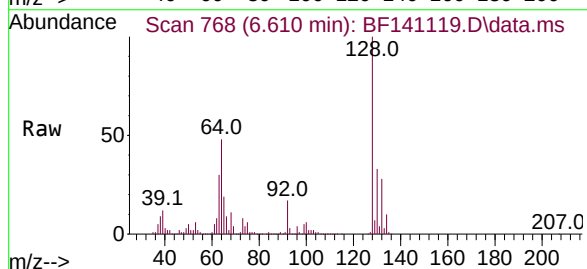
Delta R.T. 0.006 min

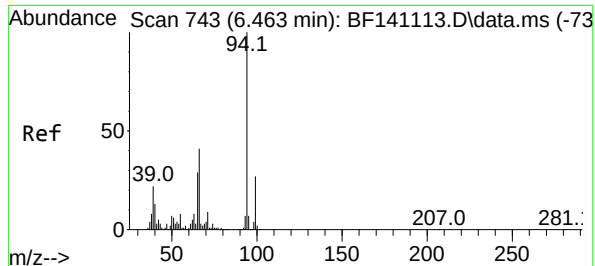
Lab File: BF141119.D

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  |

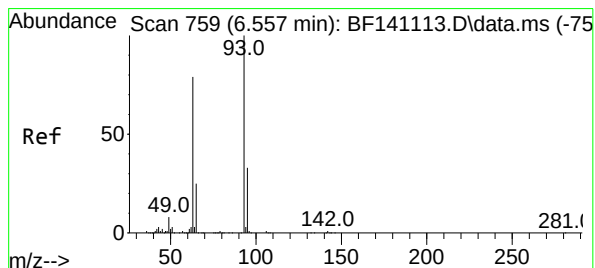
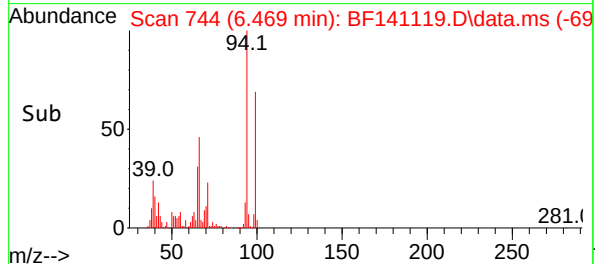
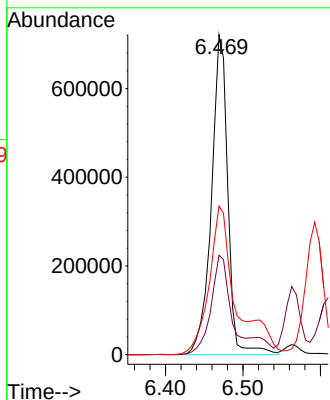
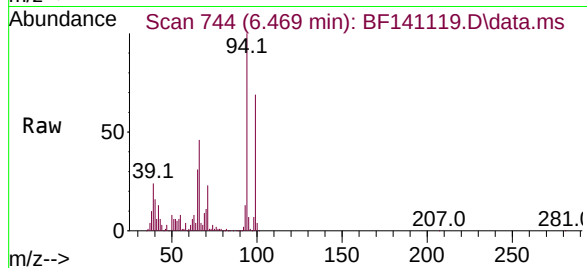




#10  
Phenol  
Concen: 70.563 ng  
RT: 6.469 min Scan# 743  
Delta R.T. 0.006 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

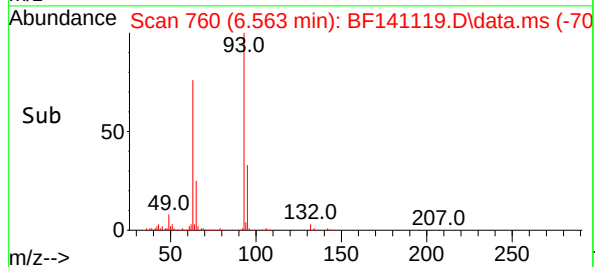
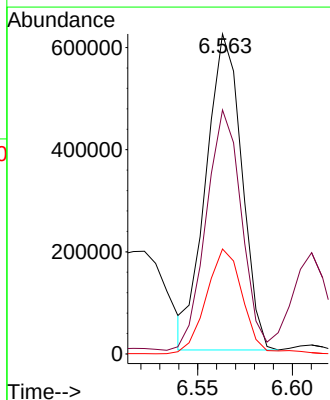
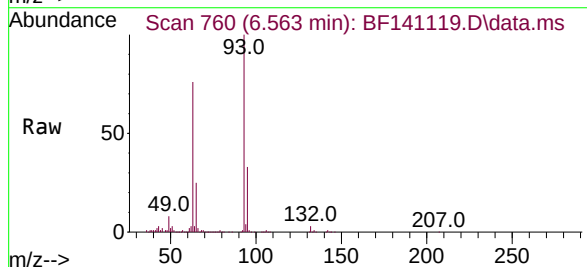
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

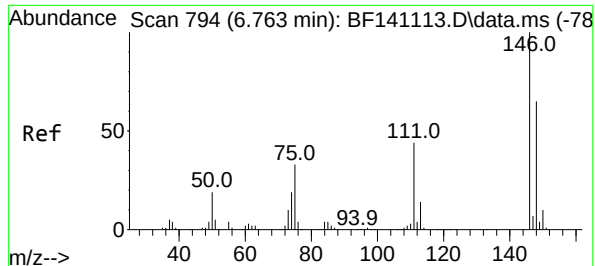
Tgt Ion: 94 Resp: 1067075  
Ion Ratio Lower Upper  
94 100  
65 31.1 8.9 48.9  
66 46.4 21.2 61.2



#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# 794

Delta R.T. -0.000 min

Lab File: BF141119.D

Acq: 10 Jan 2025 17:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

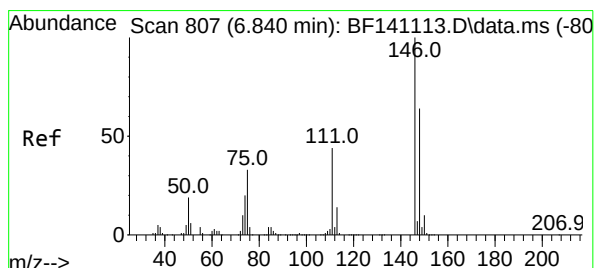
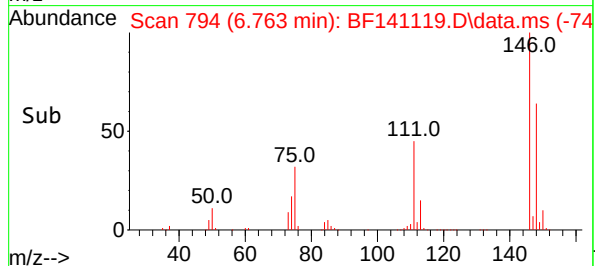
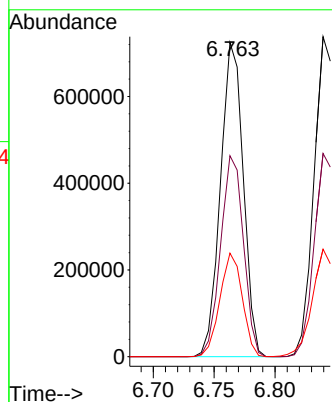
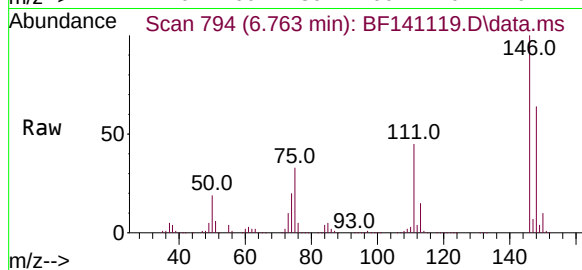
Tgt Ion:146 Resp: 945224

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

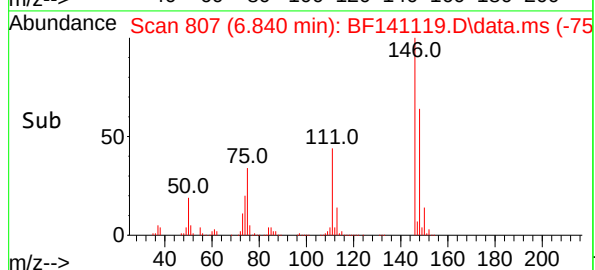
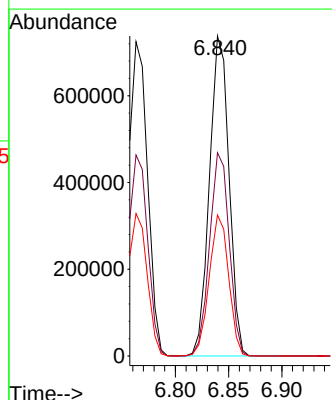
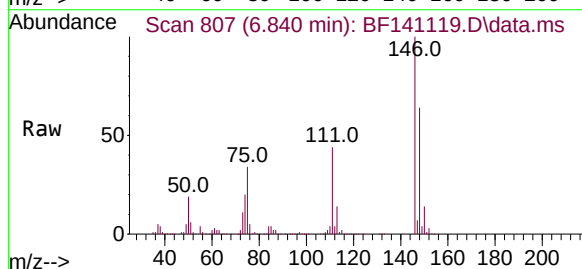
Tgt Ion:146 Resp: 944179

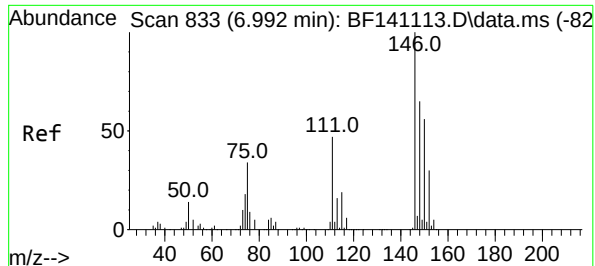
Ion Ratio Lower Upper

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# 81

Delta R.T. 0.006 min

Lab File: BF141119.D

Acq: 10 Jan 2025 17:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

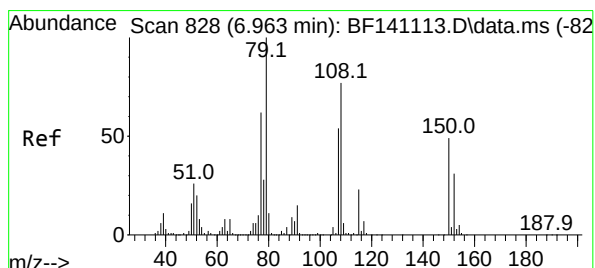
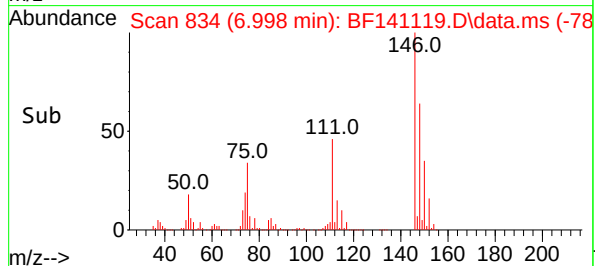
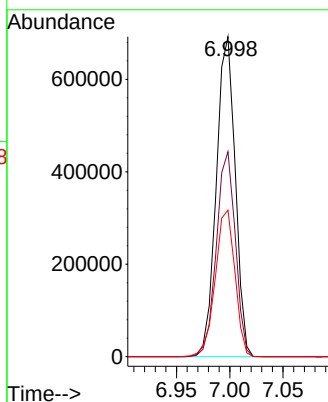
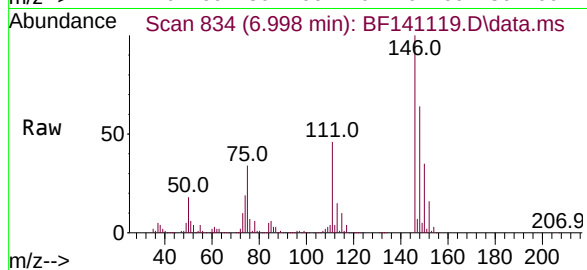
Tgt Ion:146 Resp: 854029

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

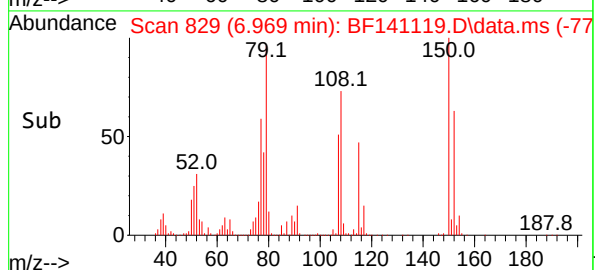
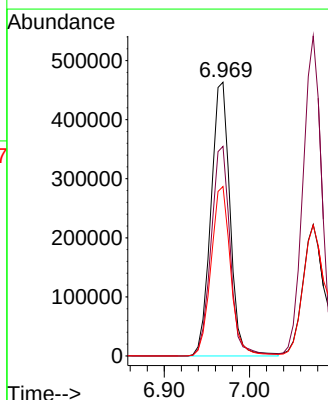
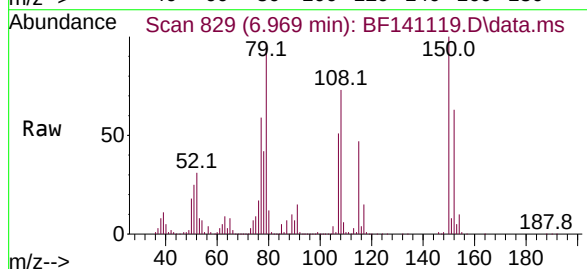
Tgt Ion: 79 Resp: 722113

Ion Ratio Lower Upper

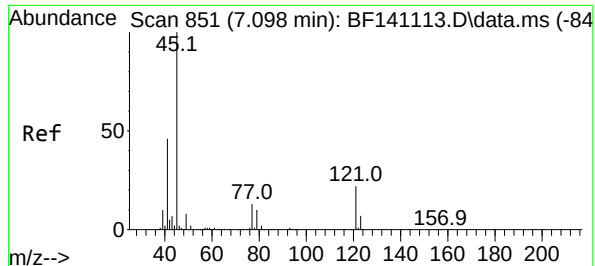
79 100

108 76.6 61.4 92.0

77 61.9 49.8 74.6



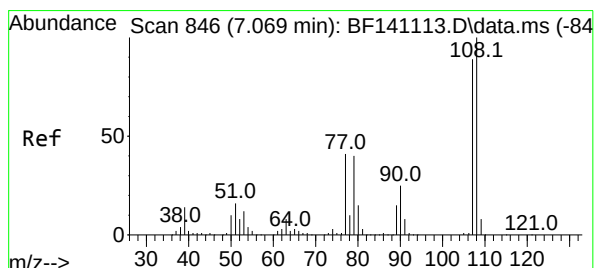
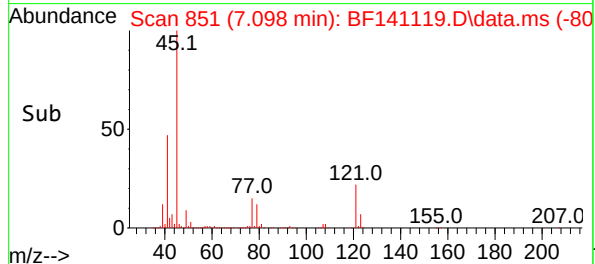
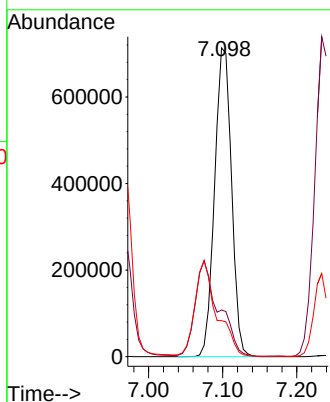
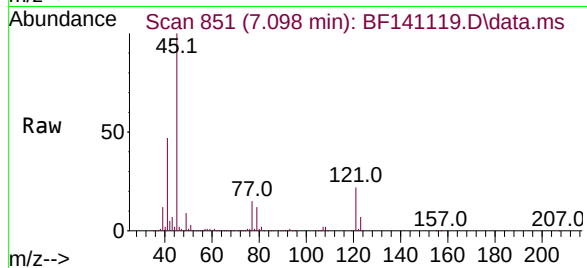




#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 71.848 ng  
RT: 7.098 min Scan# 851  
Delta R.T. -0.000 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

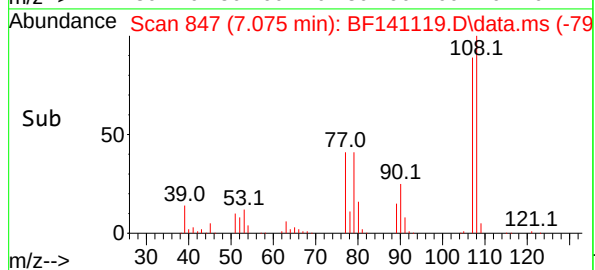
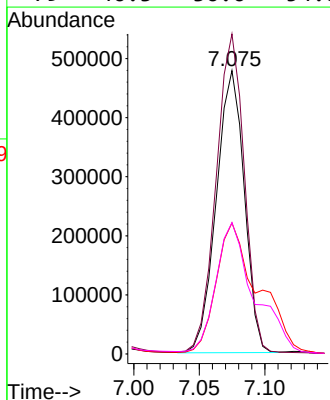
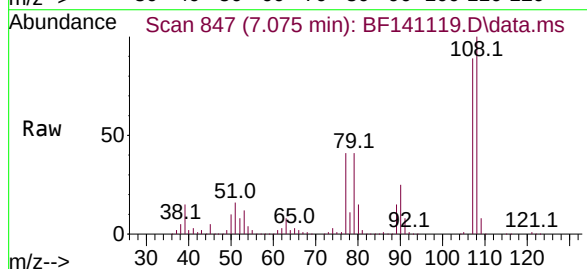
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

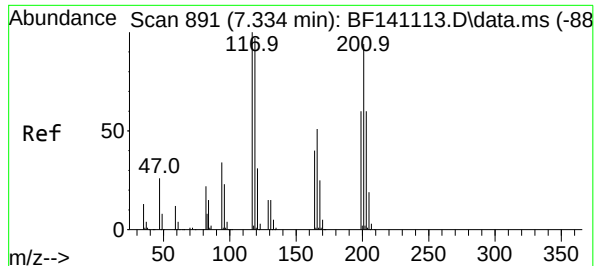
Tgt Ion: 45 Resp: 1129914  
Ion Ratio Lower Upper  
45 100  
77 15.1 0.0 34.1  
79 11.7 0.0 31.0



#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

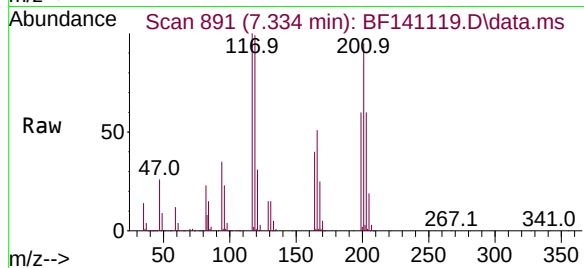
Tgt Ion: 107 Resp: 707657  
Ion Ratio Lower Upper  
107 100  
108 112.9 90.1 135.1  
77 46.2 36.6 55.0  
79 46.3 36.6 54.8



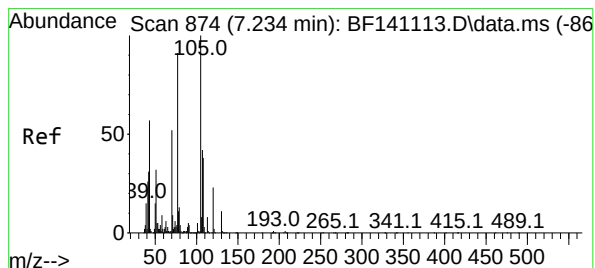
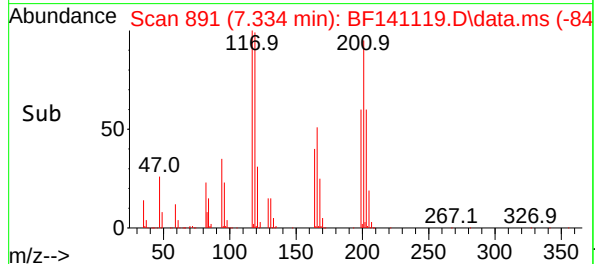
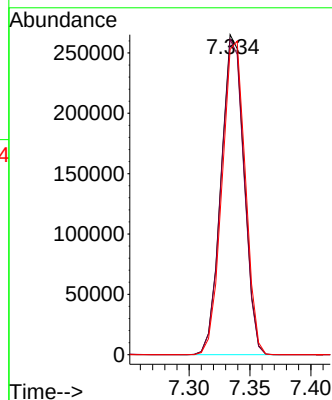


#18  
Hexachloroethane  
Concen: 71.795 ng  
RT: 7.334 min Scan# 891  
Delta R.T. -0.000 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

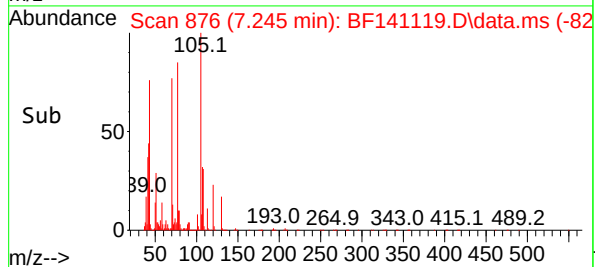
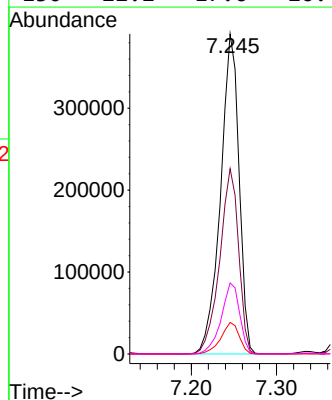
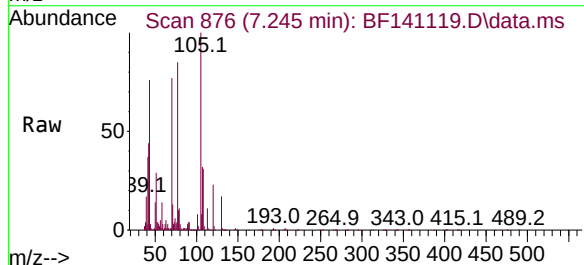


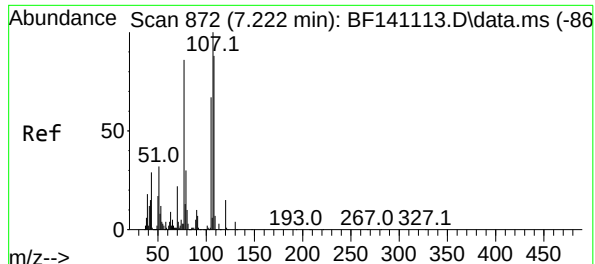
Tgt Ion:117 Resp: 349146  
Ion Ratio Lower Upper  
117 100  
119 98.6 77.6 116.4  
201 95.4 75.1 112.7



#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# 81

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

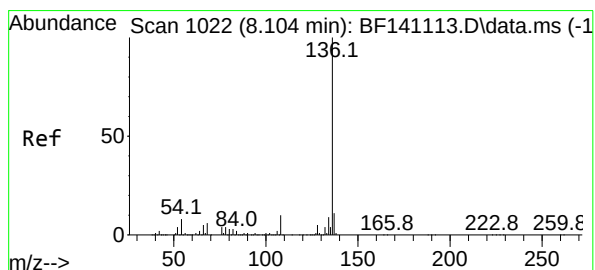
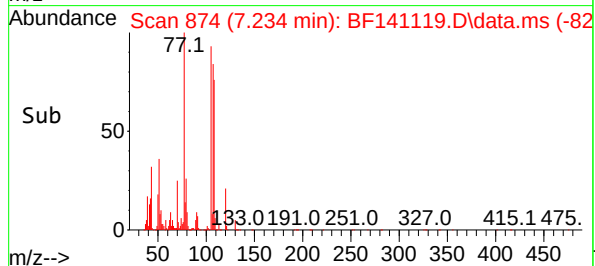
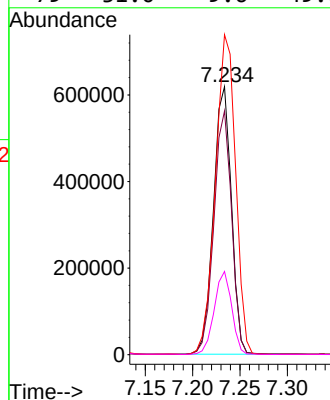
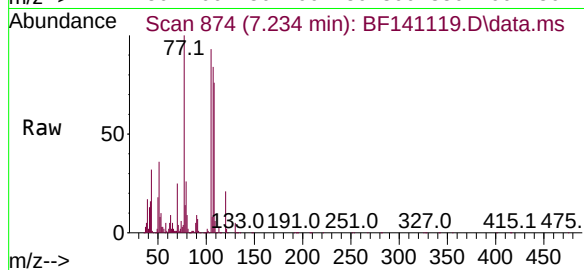
Ion Ratio Lower Upper

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

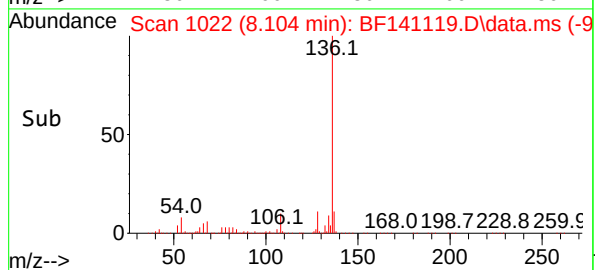
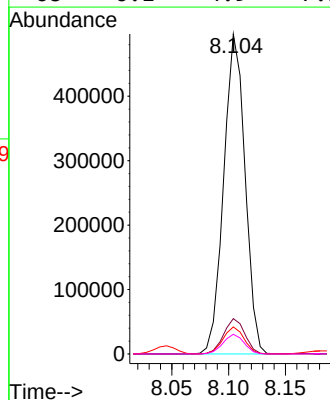
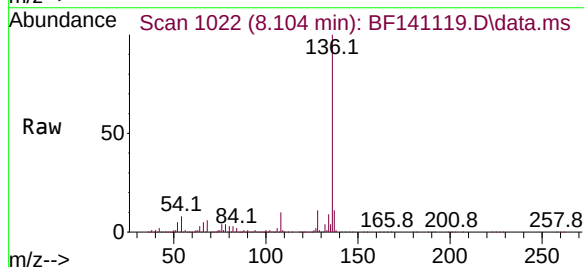
Ion Ratio Lower Upper

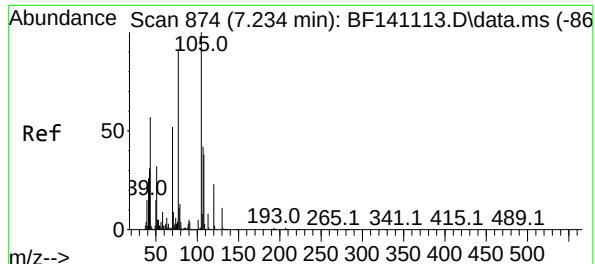
136 100

137 11.1 8.8 13.2

54 8.5 6.3 9.5

68 6.1 4.9 7.3

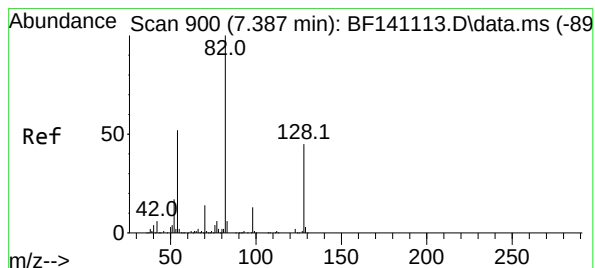
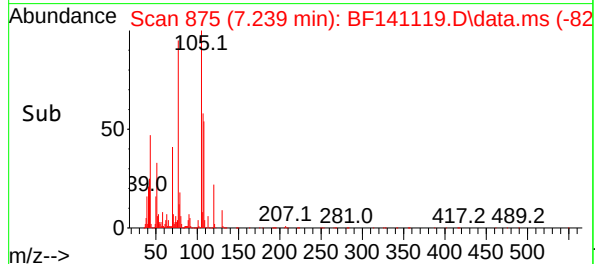
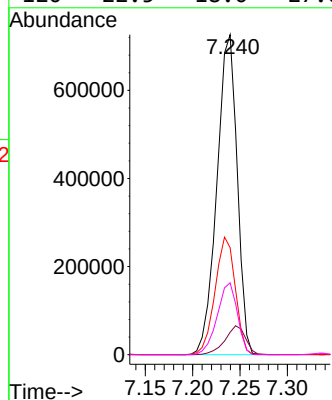
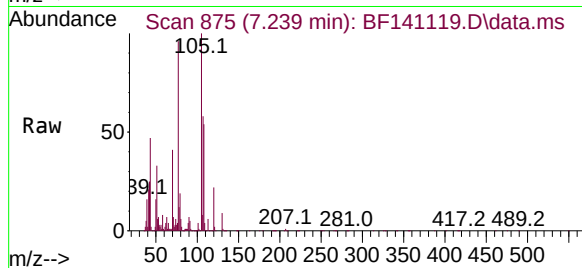




#22  
Acetophenone  
Concen: 70.218 ng  
RT: 7.239 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

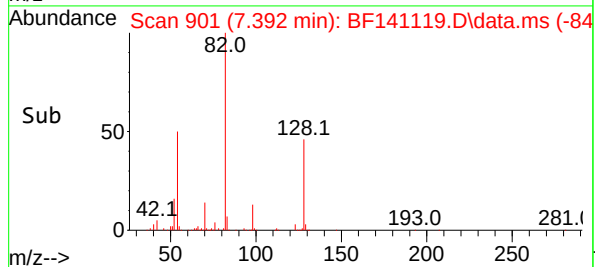
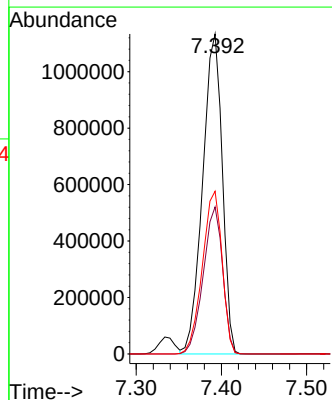
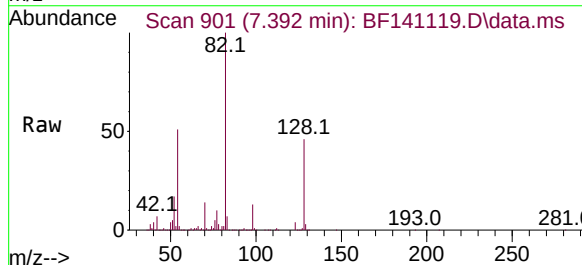
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

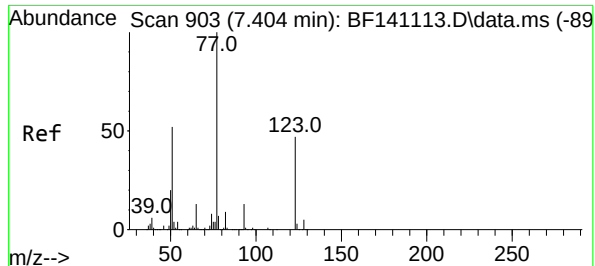
Tgt Ion:105 Resp: 1083059  
Ion Ratio Lower Upper  
105 100  
71 7.0 7.1 10.7#  
51 33.5 25.4 38.2  
120 22.5 18.0 27.0



#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# 904

Delta R.T. 0.006 min

Lab File: BF141119.D

Acq: 10 Jan 2025 17:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

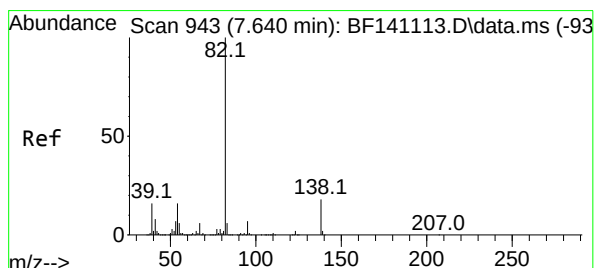
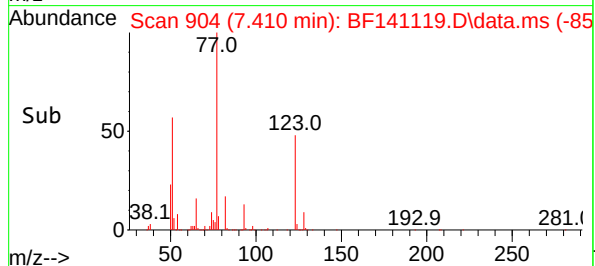
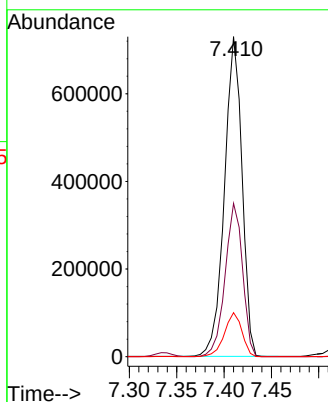
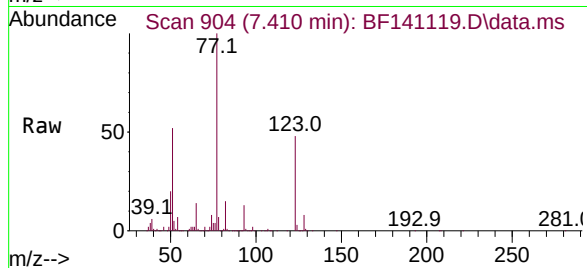
Tgt Ion: 77 Resp: 943483

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

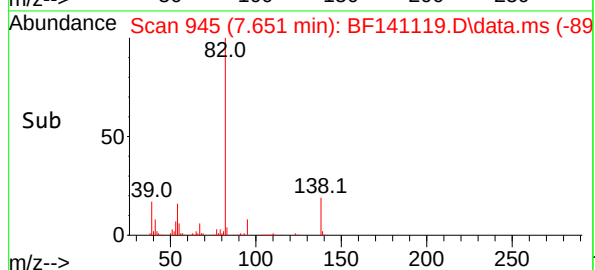
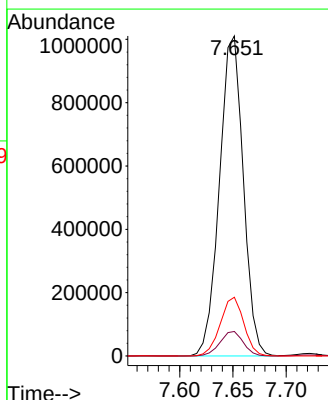
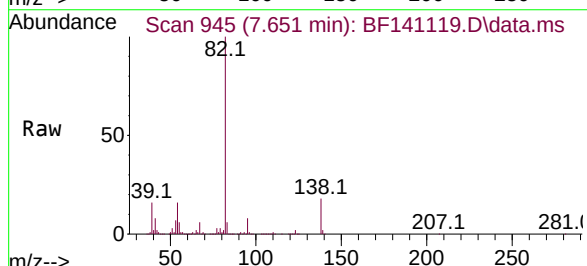
Tgt Ion: 82 Resp: 1571424

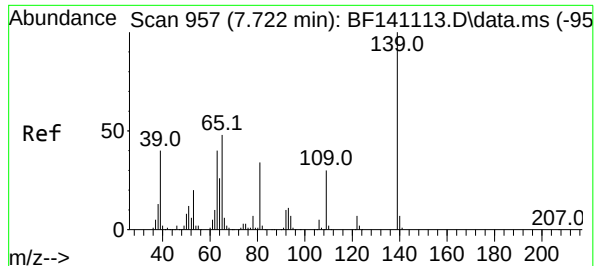
Ion Ratio Lower Upper

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# 91

Delta R.T. -0.000 min

Lab File: BF141119.D

Acq: 10 Jan 2025 17:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

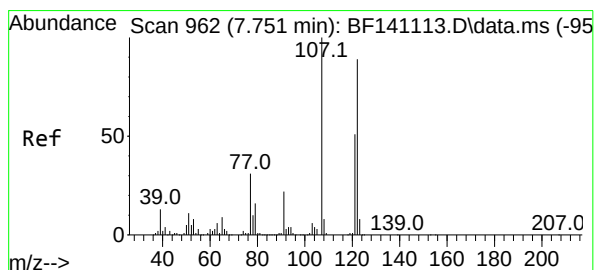
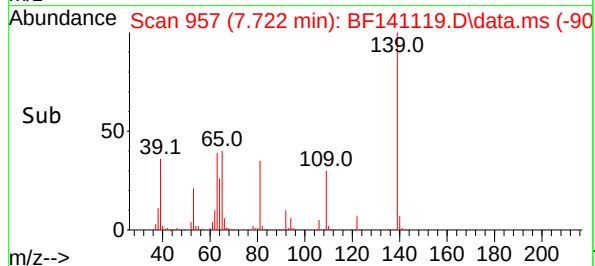
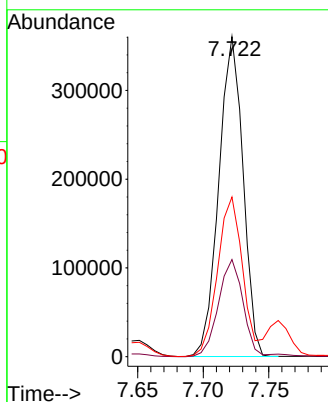
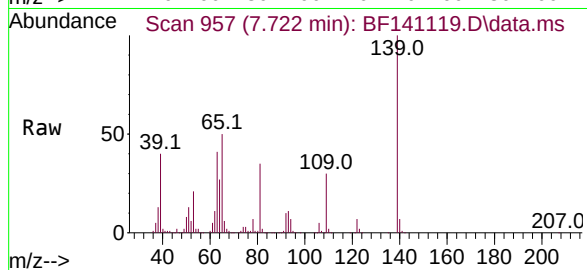
Tgt Ion:139 Resp: 463267

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

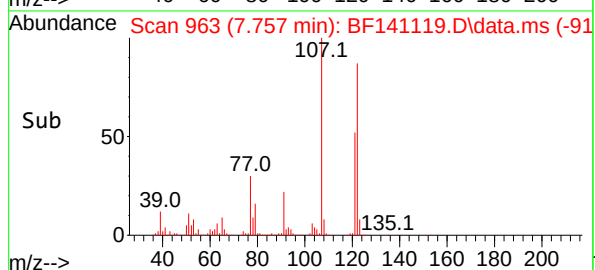
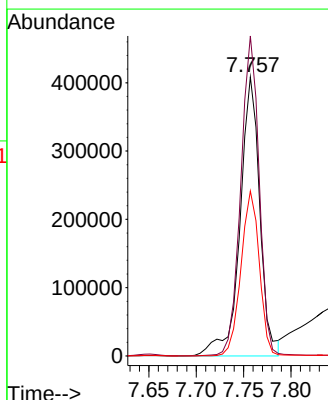
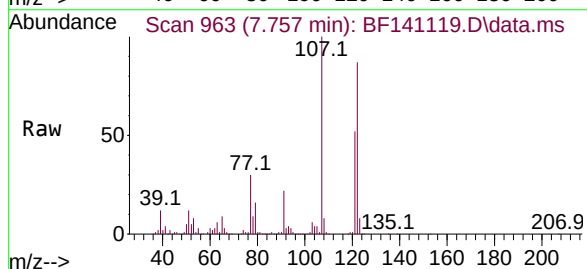
Tgt Ion:122 Resp: 594544

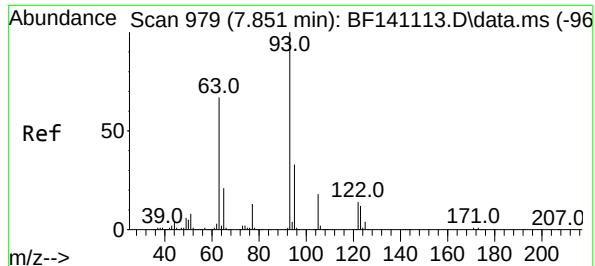
Ion Ratio Lower Upper

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# 91

Delta R.T. 0.006 min

Lab File: BF141119.D

Acq: 10 Jan 2025 17:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

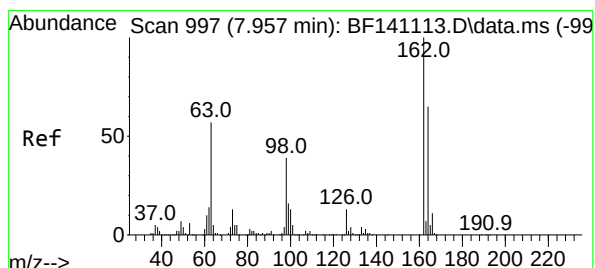
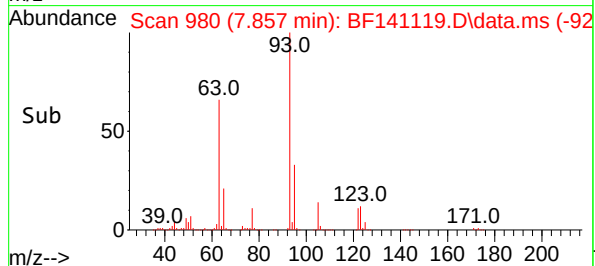
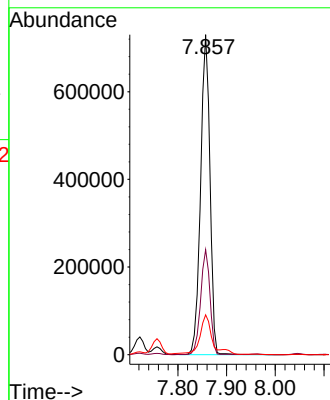
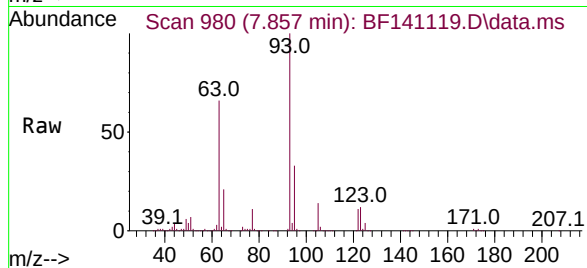
Tgt Ion: 93 Resp: 977334

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

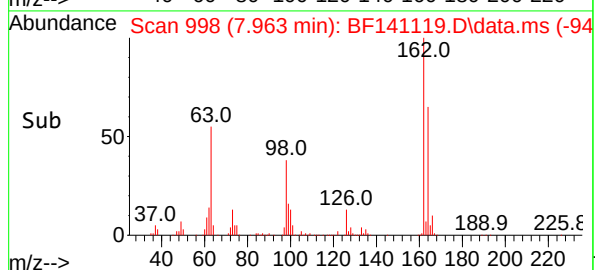
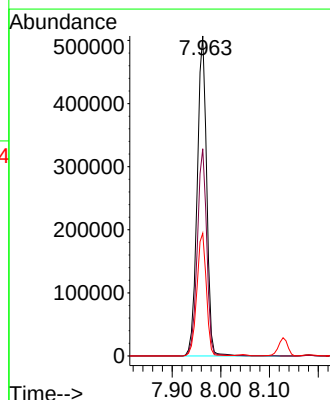
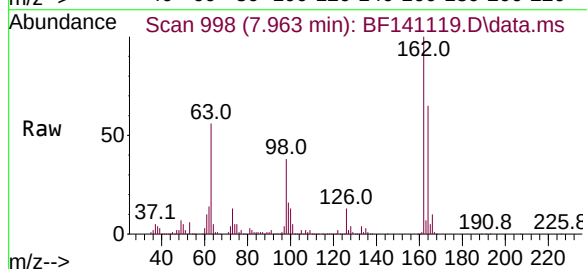
Tgt Ion: 162 Resp: 689420

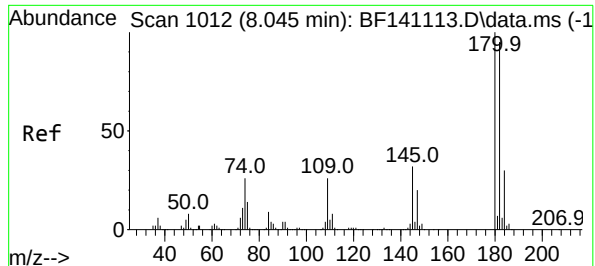
Ion Ratio Lower Upper

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# 1012

Delta R.T. -0.000 min

Lab File: BF141119.D

Acq: 10 Jan 2025 17:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

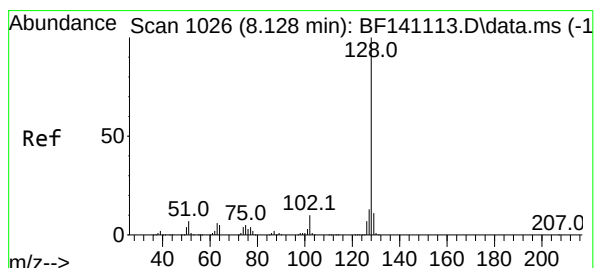
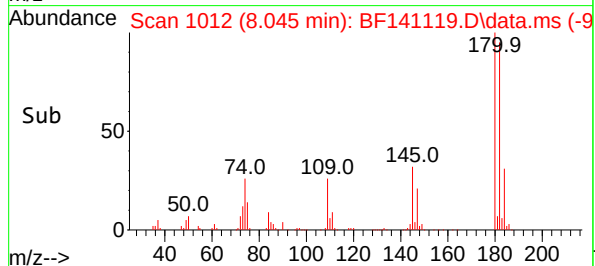
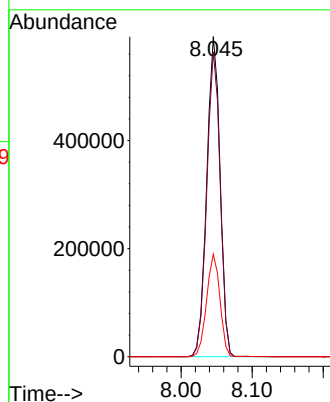
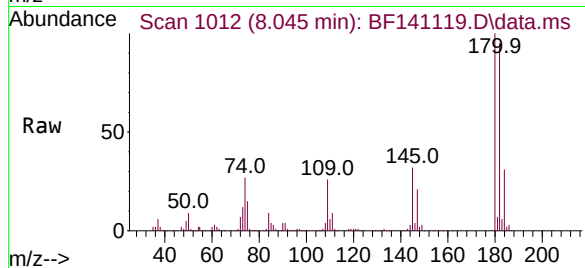
Tgt Ion:180 Resp: 776721

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

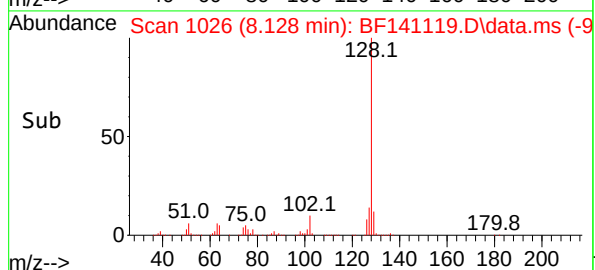
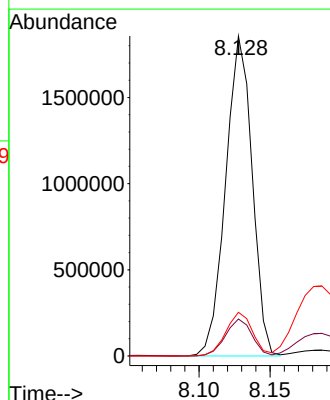
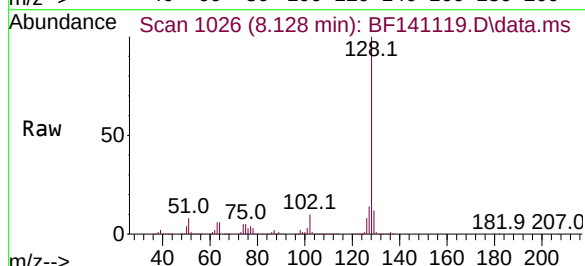
Tgt Ion:128 Resp: 2411578

Ion Ratio Lower Upper

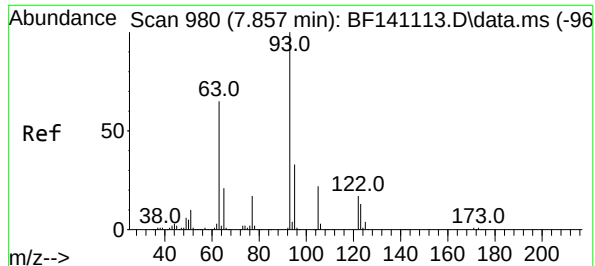
128 100

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# 91

Delta R.T. 0.041 min

Lab File: BF141119.D

Acq: 10 Jan 2025 17:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

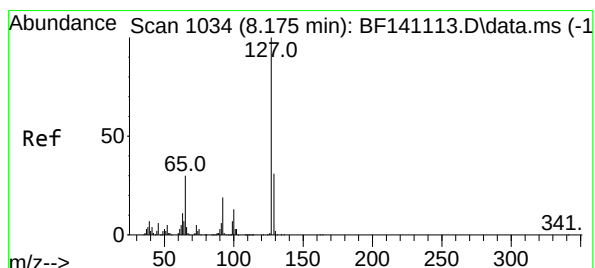
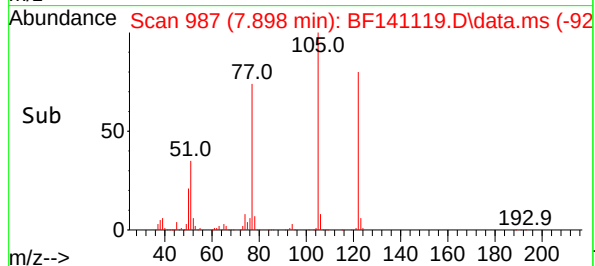
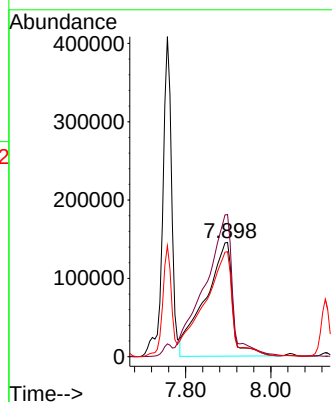
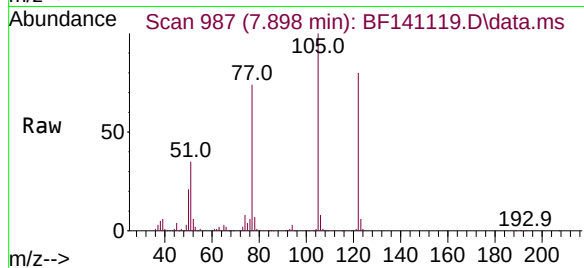
Tgt Ion:122 Resp: 648810

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

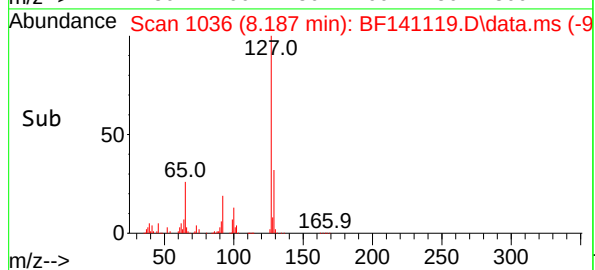
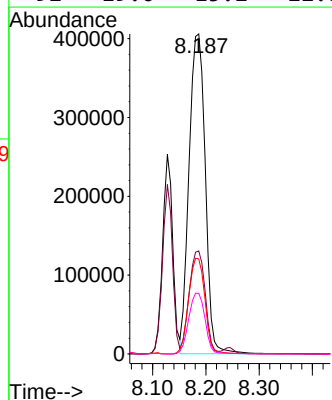
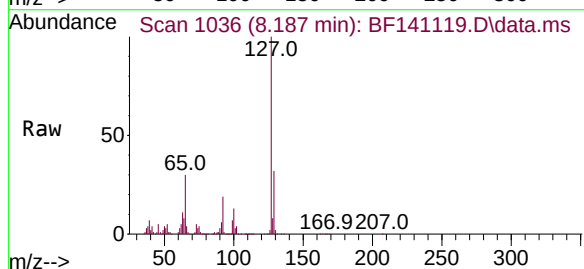
Ion Ratio Lower Upper

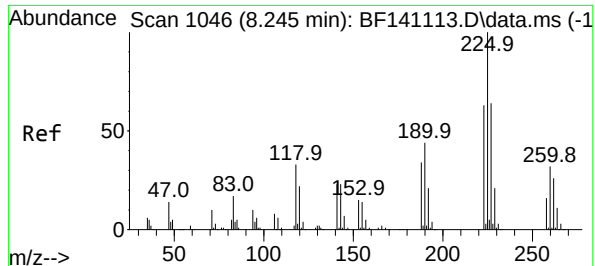
127 100

129 32.2 25.9 38.9

65 29.7 23.8 35.8

92 19.0 15.2 22.8

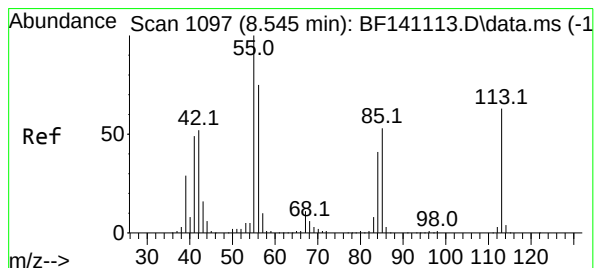
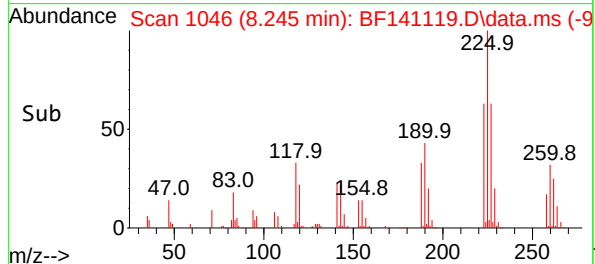
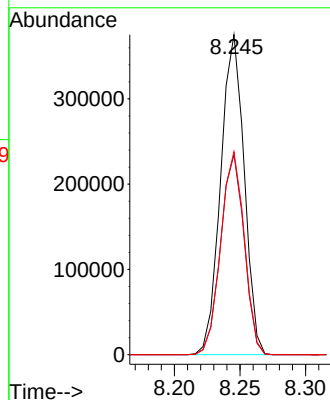
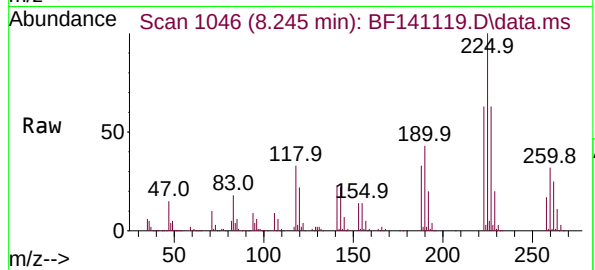




#34  
Hexachlorobutadiene  
Concen: 72.969 ng  
RT: 8.245 min Scan# 1100  
Delta R.T. -0.000 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

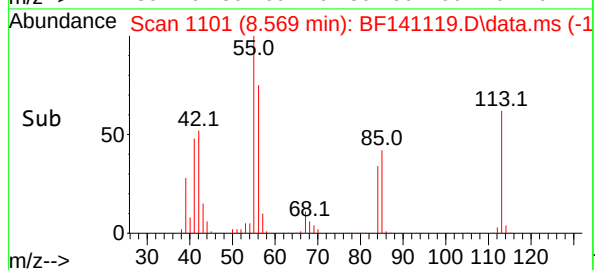
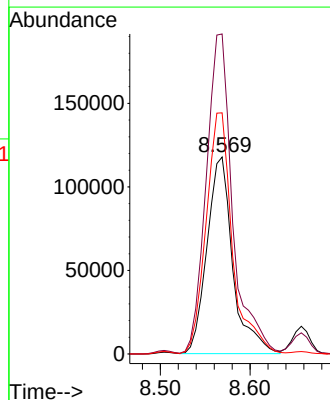
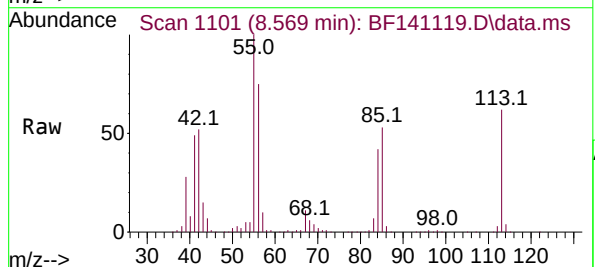
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

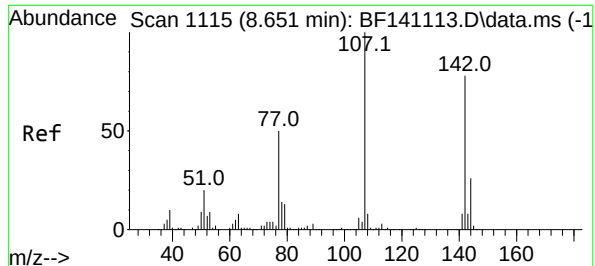
Tgt Ion:225 Resp: 467194  
Ion Ratio Lower Upper  
225 100  
223 62.5 50.6 76.0  
227 63.4 51.6 77.4



#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# 1116

Delta R.T. 0.006 min

Lab File: BF141119.D

Acq: 10 Jan 2025 17:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

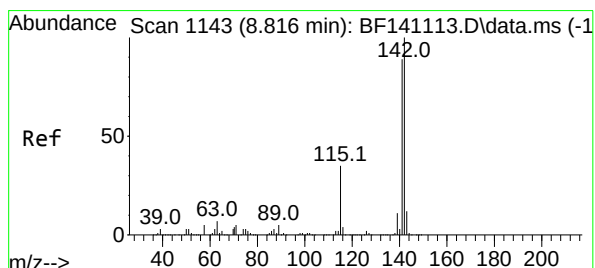
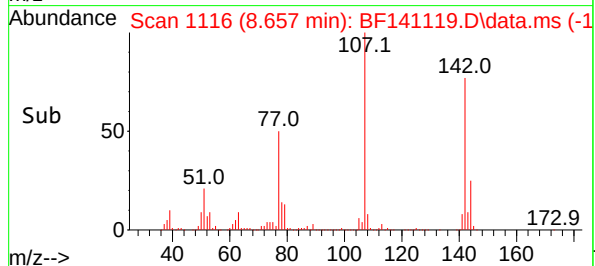
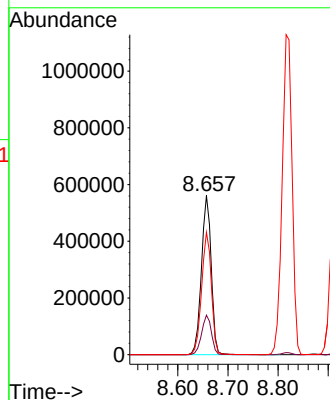
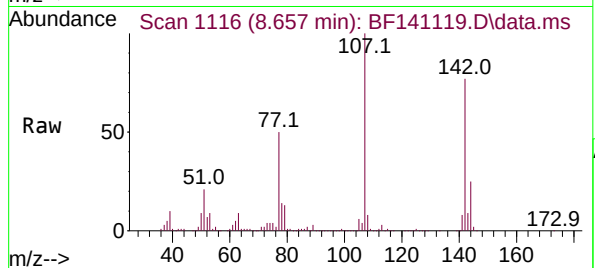
Tgt Ion:107 Resp: 760692

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

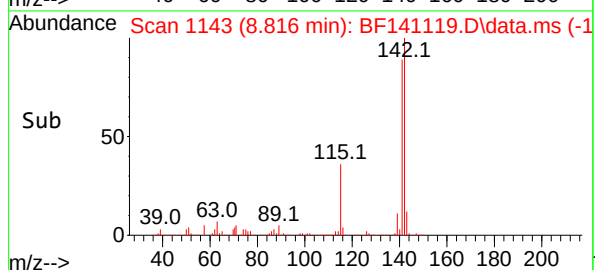
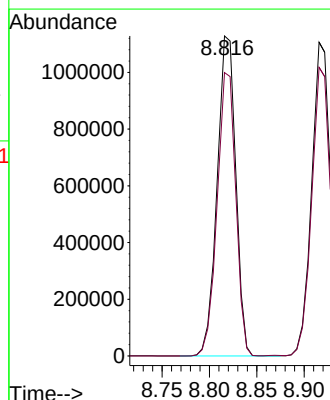
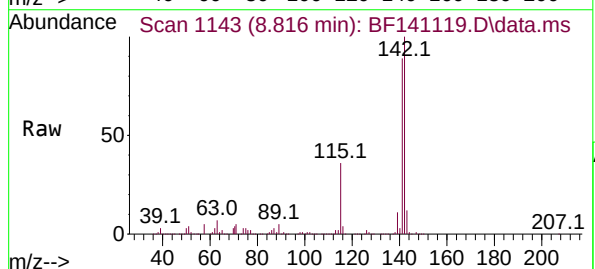
Acq: 10 Jan 2025 17:45

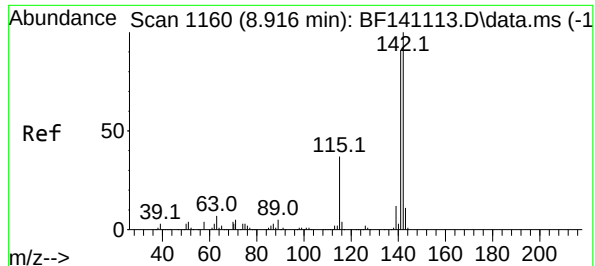
Tgt Ion:142 Resp: 1544153

Ion Ratio Lower Upper

142 100

141 88.5 71.3 106.9

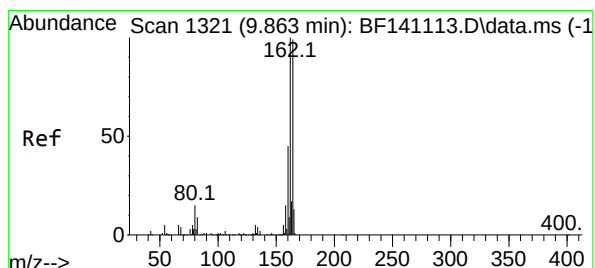
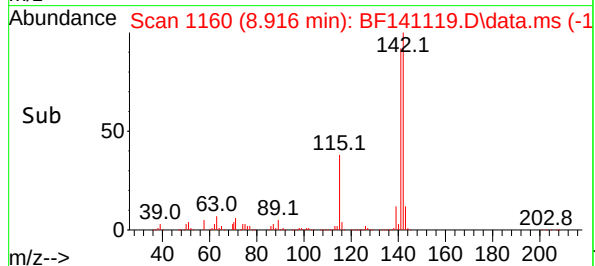
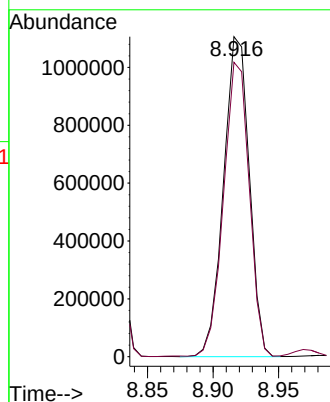
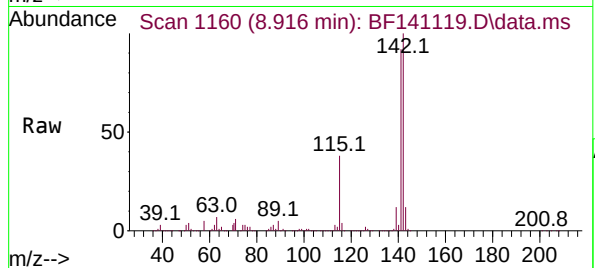




#38  
1-Methylnaphthalene  
Concen: 70.172 ng  
RT: 8.916 min Scan# 1160  
Delta R.T. -0.000 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

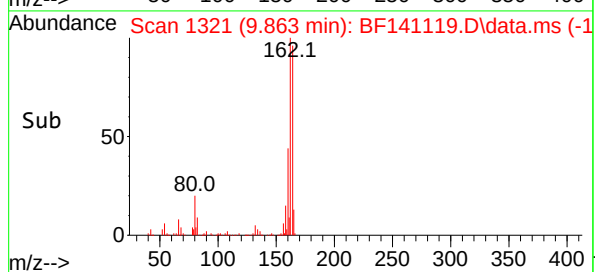
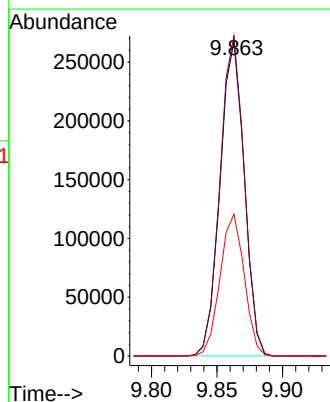
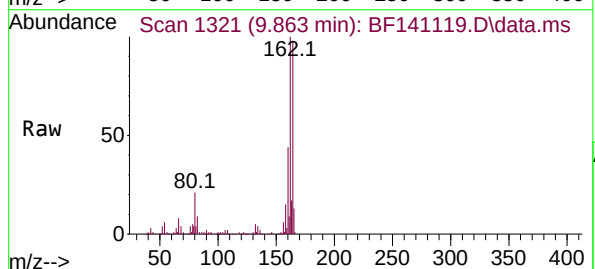
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

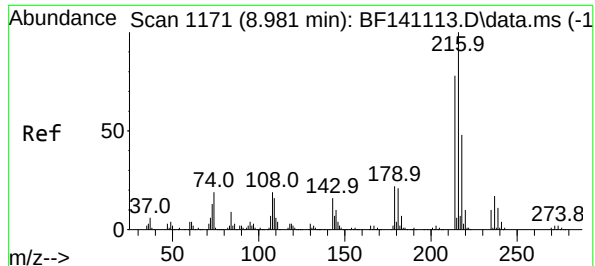
Tgt Ion:142 Resp: 1507881  
Ion Ratio Lower Upper  
142 100  
141 92.0 73.1 109.7



#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# 1171

Delta R.T. 0.006 min

Lab File: BF141119.D

Acq: 10 Jan 2025 17:45

Instrument :

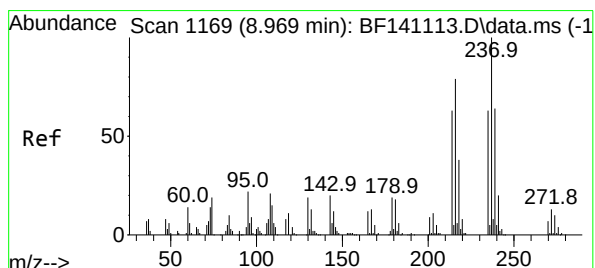
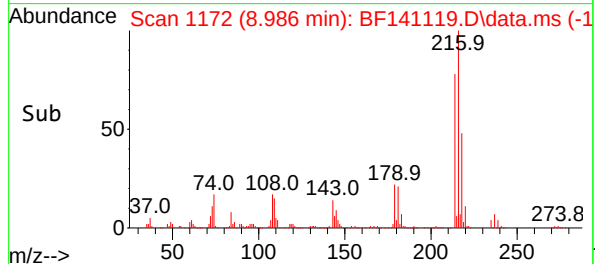
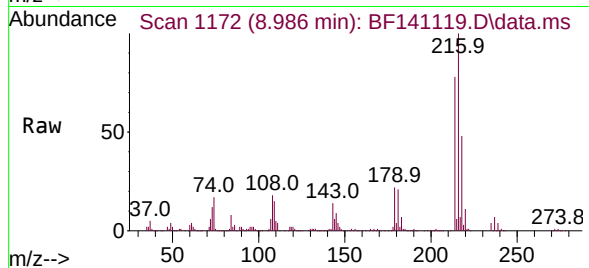
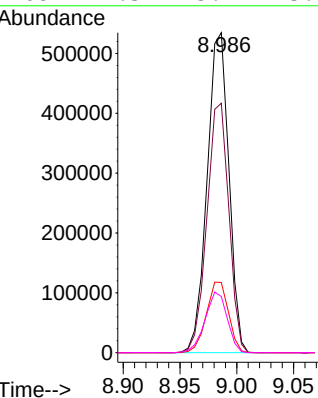
BNA\_F

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

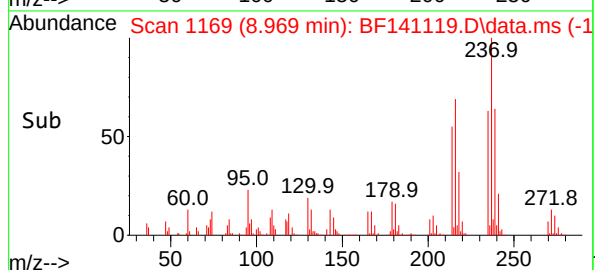
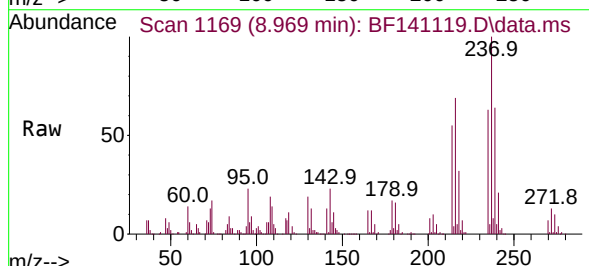
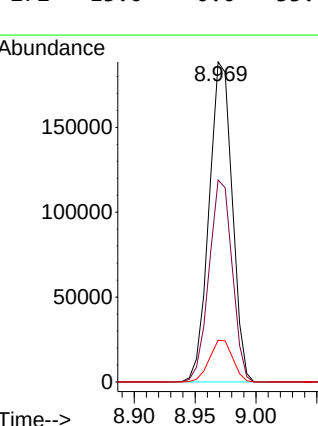
Delta R.T. -0.000 min

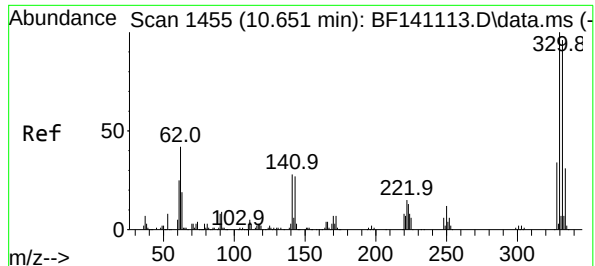
Lab File: BF141119.D

Acq: 10 Jan 2025 17:45

Tgt Ion:237 Resp: 249944

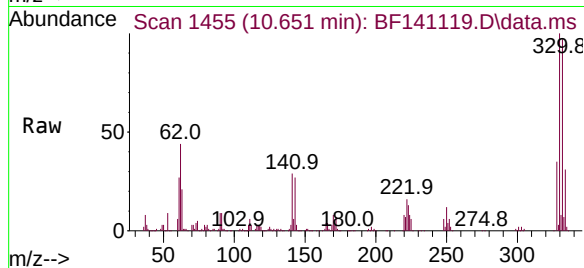
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 237 | 100   |       |       |
| 235 | 63.1  | 43.0  | 83.0  |
| 272 | 13.0  | 0.0   | 33.0  |



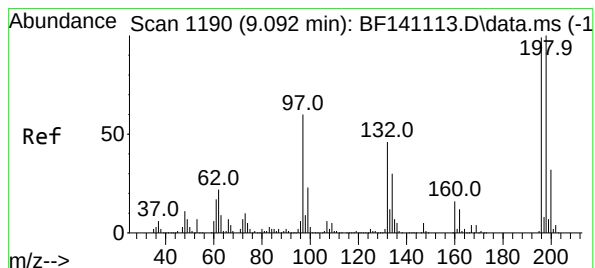
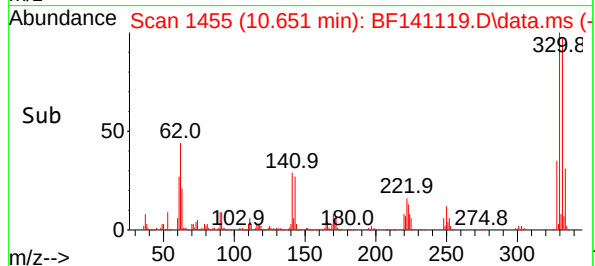
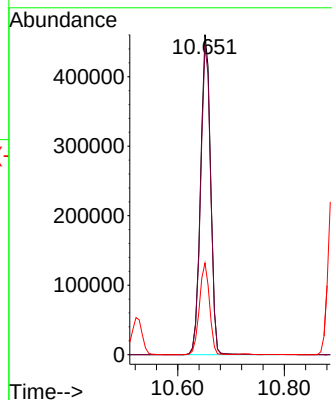


#42  
2,4,6-Tribromophenol  
Concen: 154.132 ng  
RT: 10.651 min Scan# 1455  
Delta R.T. -0.000 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

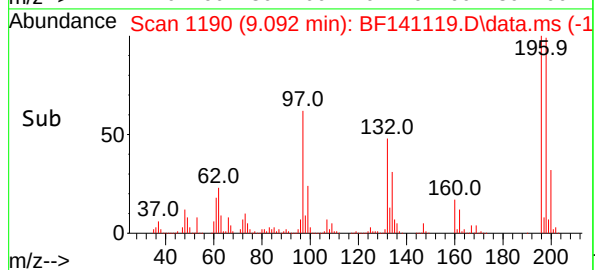
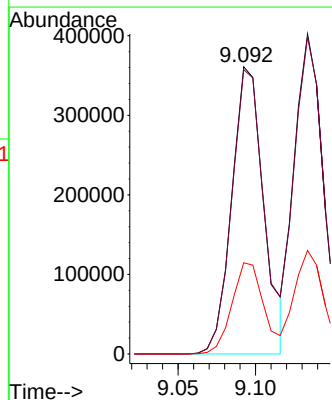
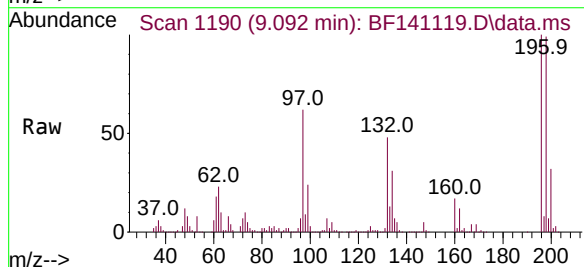


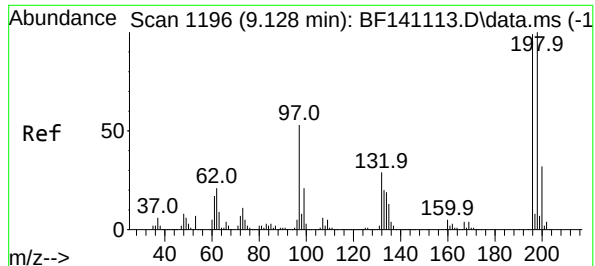
Tgt Ion:330 Resp: 601438  
Ion Ratio Lower Upper  
330 100  
332 96.8 76.9 115.3  
141 28.9 25.2 37.8



#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

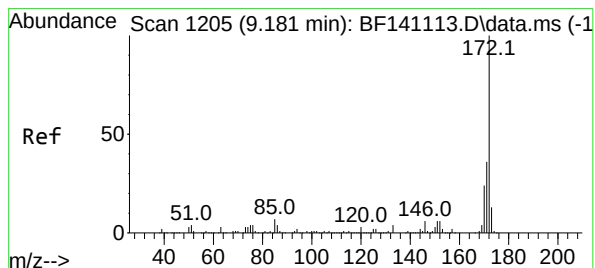
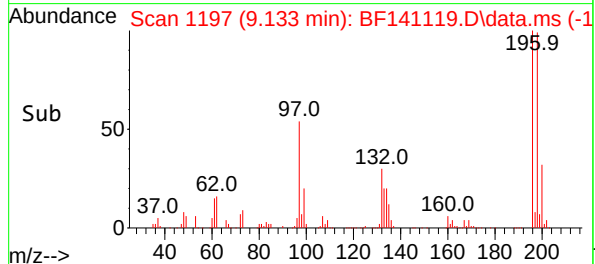
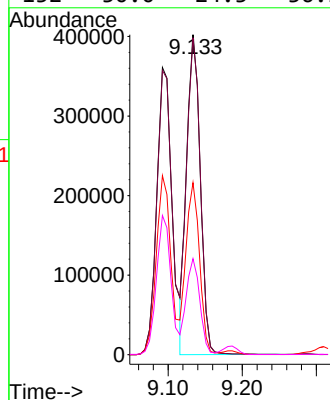
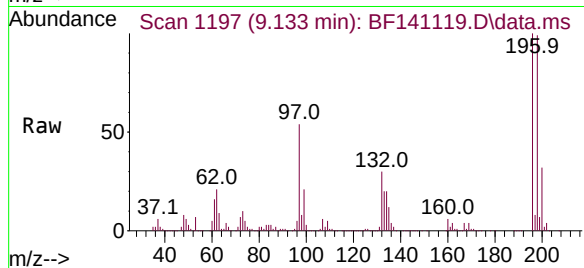




#44  
2,4,5-Trichlorophenol  
Concen: 73.839 ng  
RT: 9.133 min Scan# 1196  
Delta R.T. 0.006 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

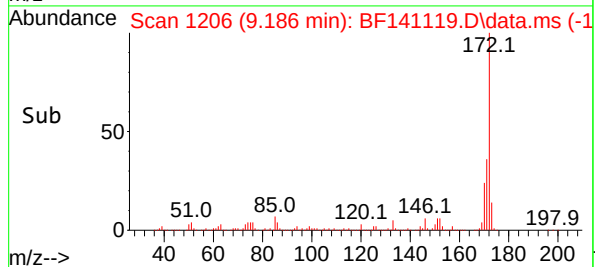
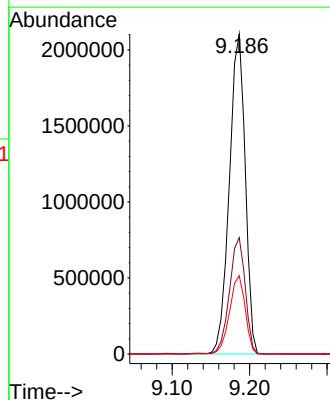
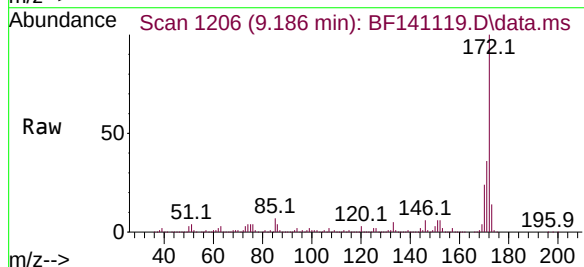
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

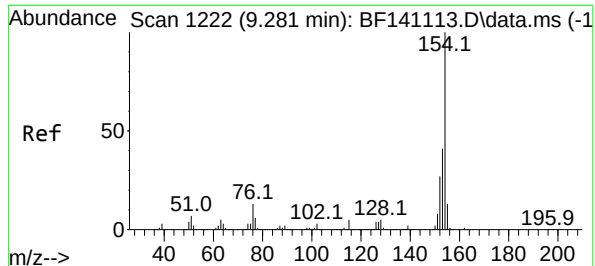
Tgt Ion:196 Resp: 516966  
Ion Ratio Lower Upper  
196 100  
198 99.1 80.6 120.8  
97 53.8 43.1 64.7  
132 30.0 24.3 36.5



#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

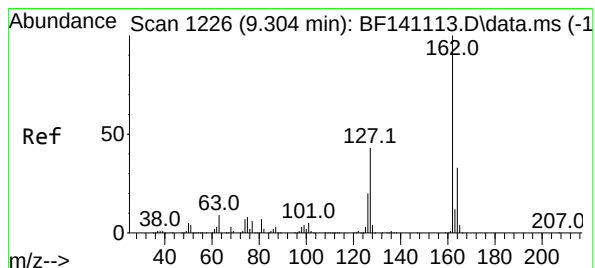
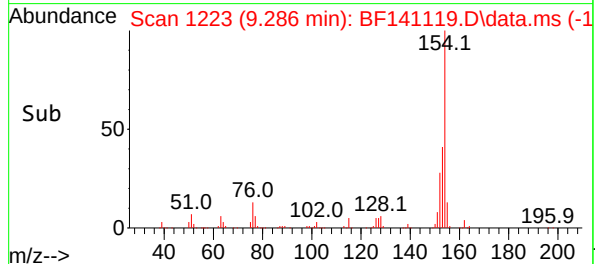
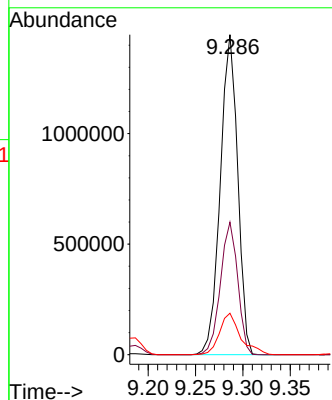
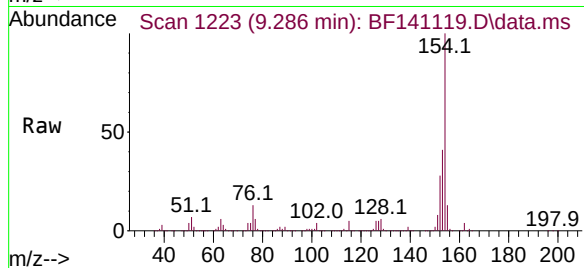




#46  
1,1'-Biphenyl  
Concen: 69.734 ng  
RT: 9.286 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

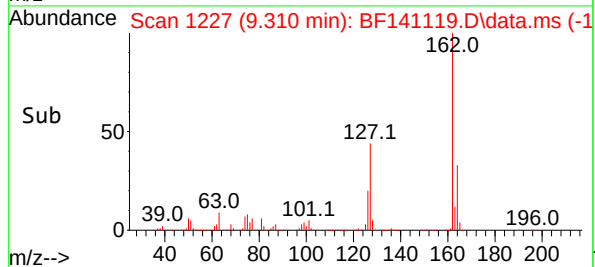
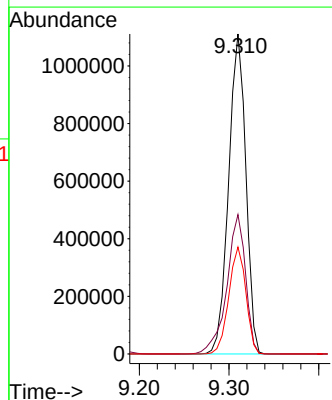
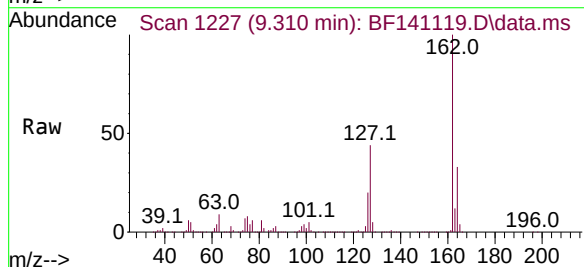
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

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

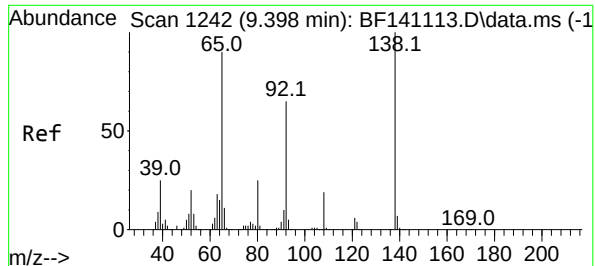


#47  
2-Chloronaphthalene  
Concen: 71.352 ng  
RT: 9.310 min Scan# 1227  
Delta R.T. 0.006 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

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# 1243

Delta R.T. 0.006 min

Lab File: BF141119.D

Acq: 10 Jan 2025 17:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

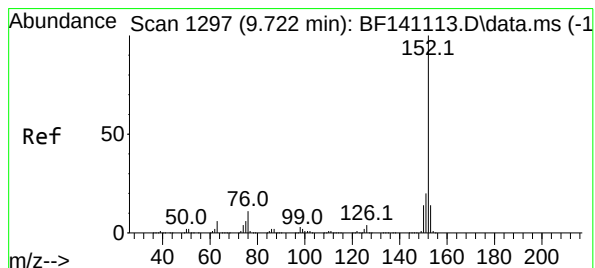
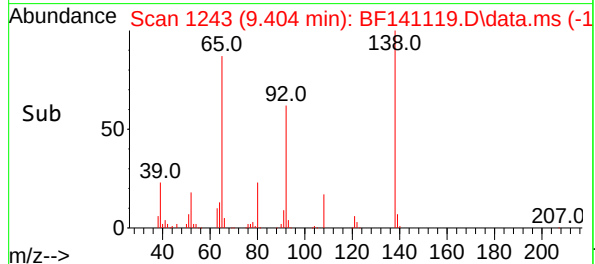
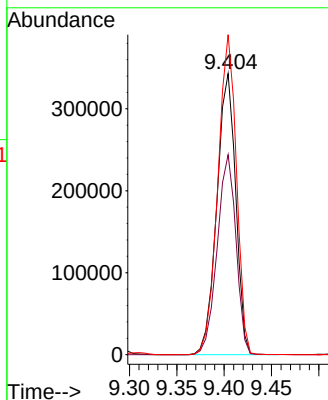
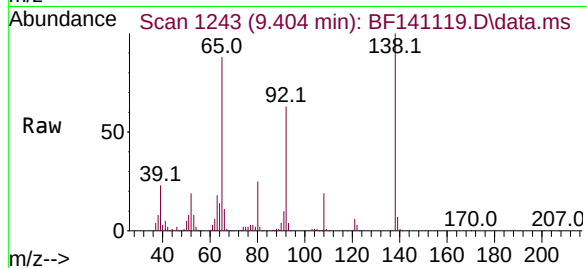
Tgt Ion: 65 Resp: 475269

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

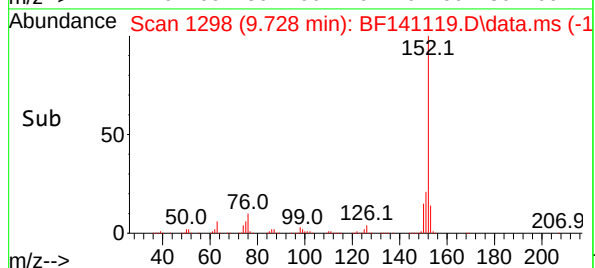
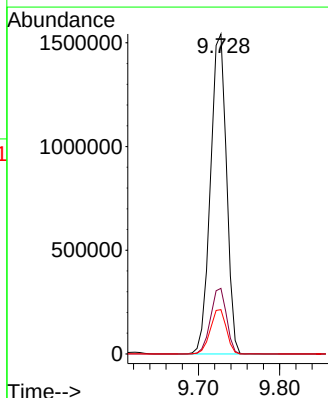
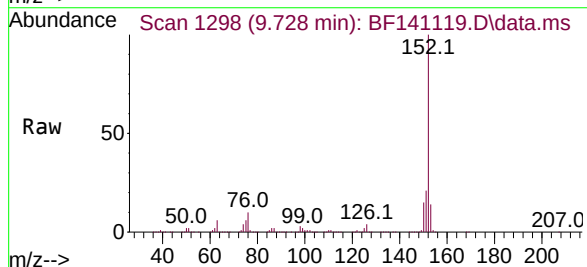
Tgt Ion:152 Resp: 2110029

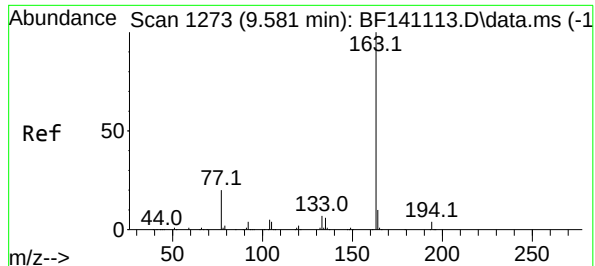
Ion Ratio Lower Upper

152 100

151 20.5 16.1 24.1

153 13.8 11.1 16.7

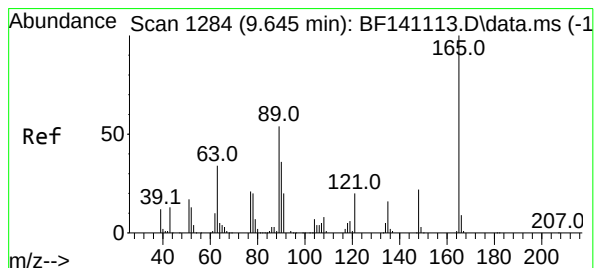
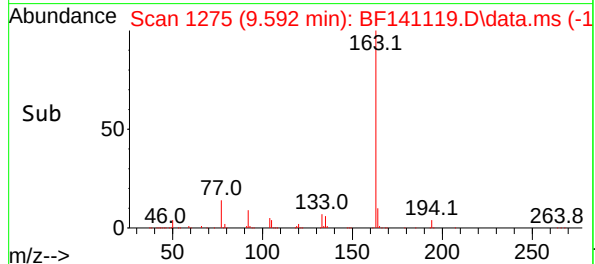
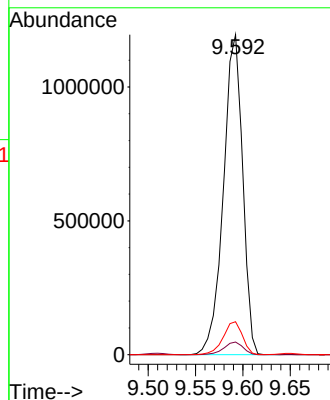
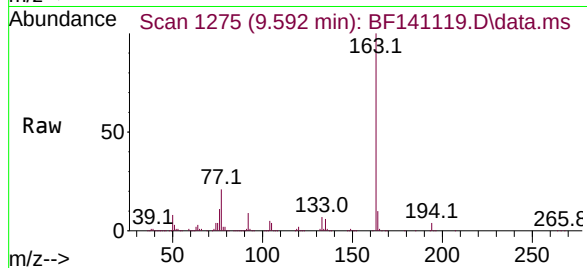




#50  
Dimethylphthalate  
Concen: 73.435 ng  
RT: 9.592 min Scan# 1275  
Delta R.T. 0.012 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

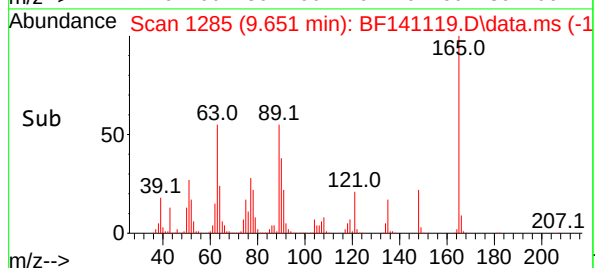
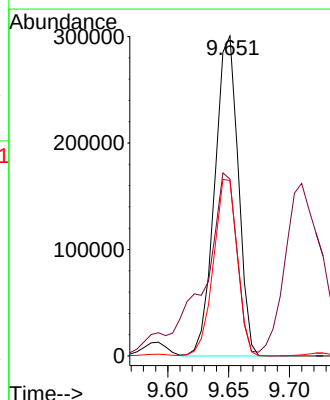
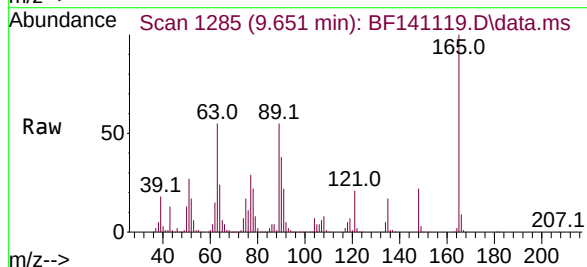
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

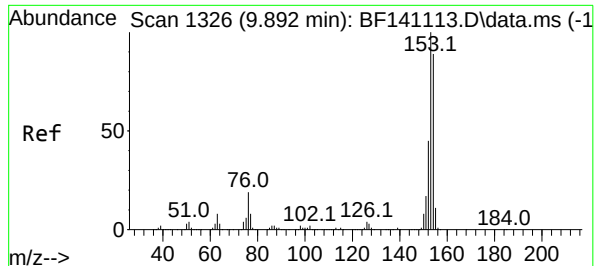
Tgt Ion:163 Resp: 1688321  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.0 4.6  
164 10.3 8.2 12.4



#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

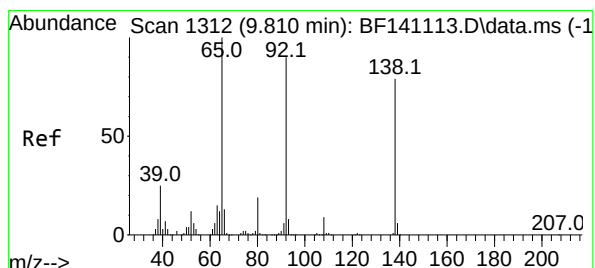
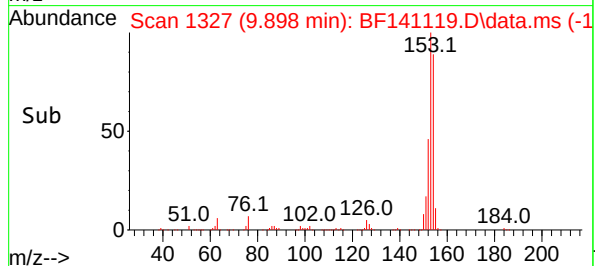
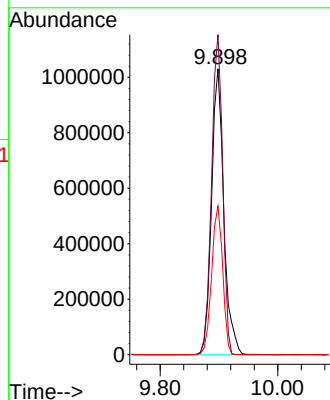
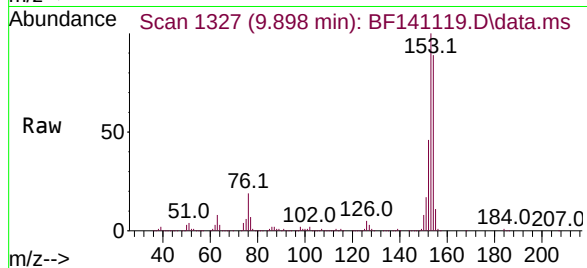
Tgt Ion:154 Resp: 1487806

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

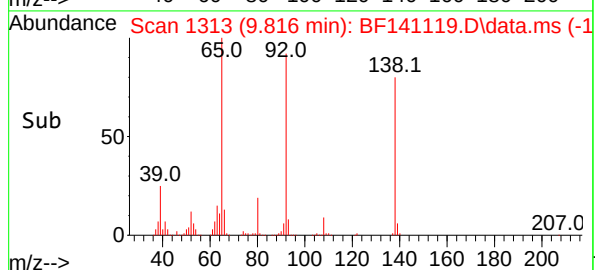
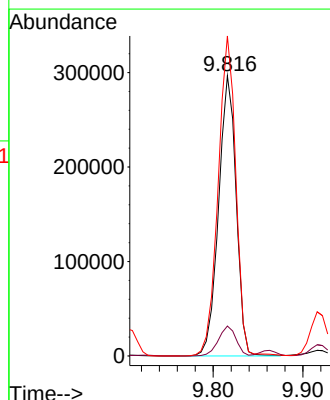
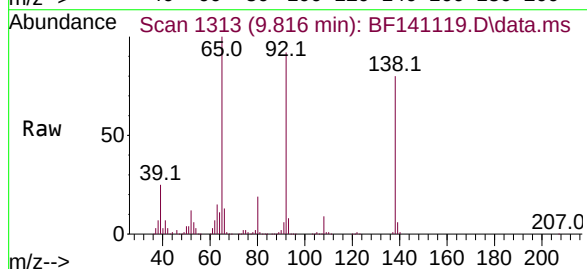
Tgt Ion:138 Resp: 404031

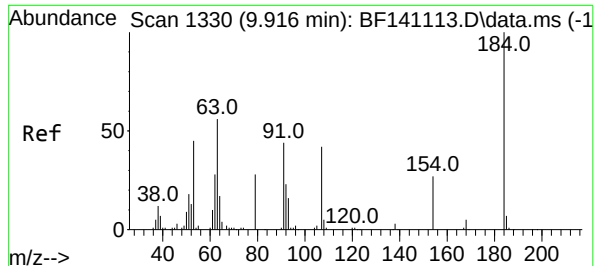
Ion Ratio Lower Upper

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

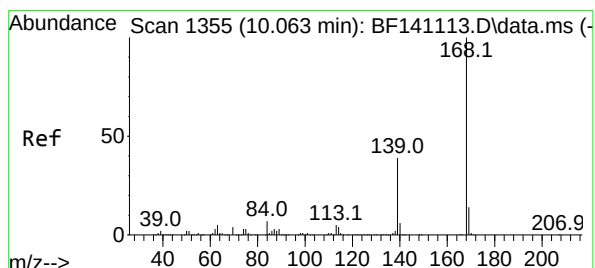
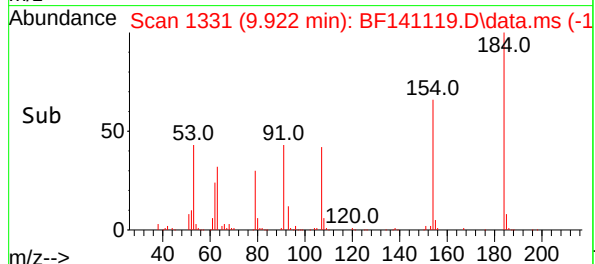
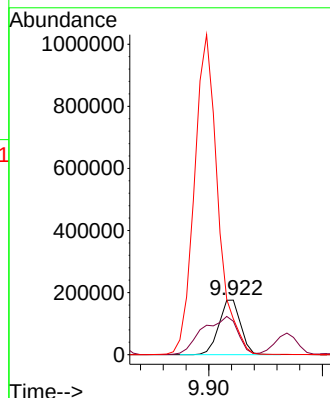
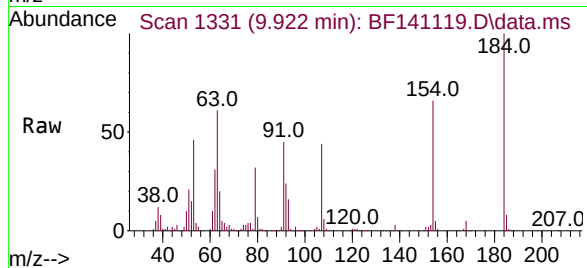
Tgt Ion:184 Resp: 233623

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

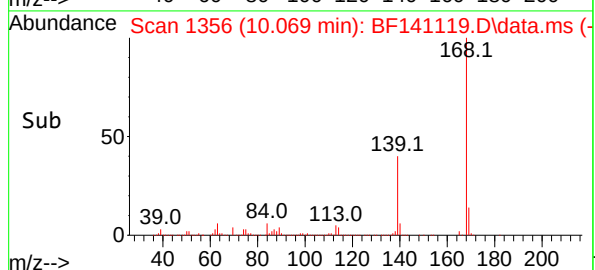
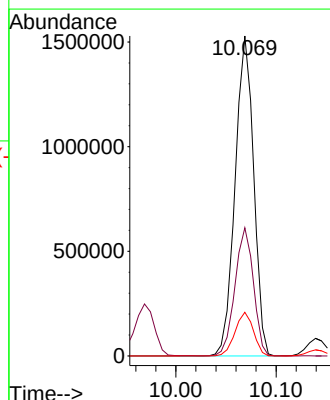
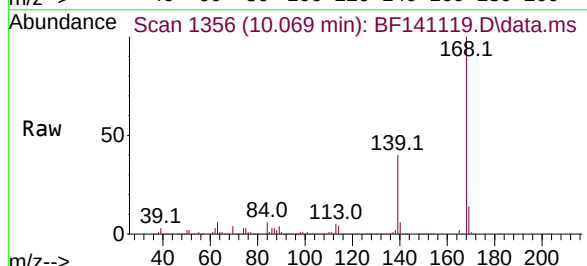
Tgt Ion:168 Resp: 1972541

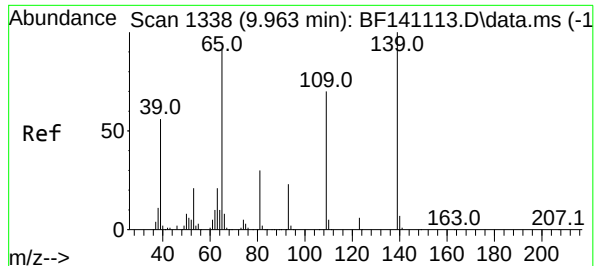
Ion Ratio Lower Upper

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# 11

Delta R.T. 0.006 min

Lab File: BF141119.D

Acq: 10 Jan 2025 17:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

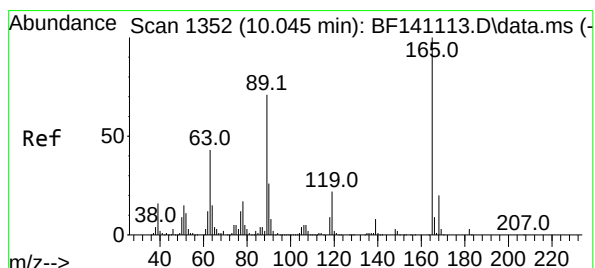
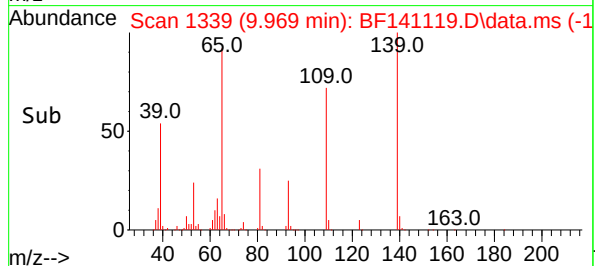
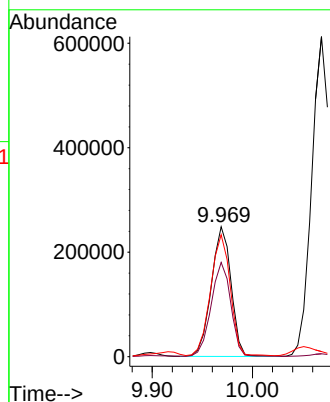
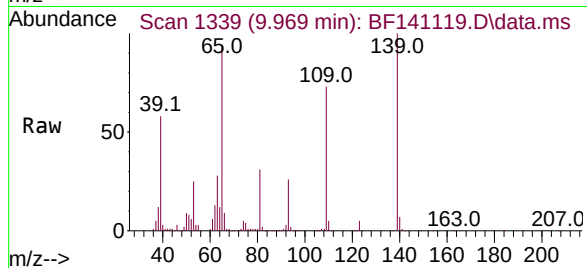
Tgt Ion:139 Resp: 339082

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

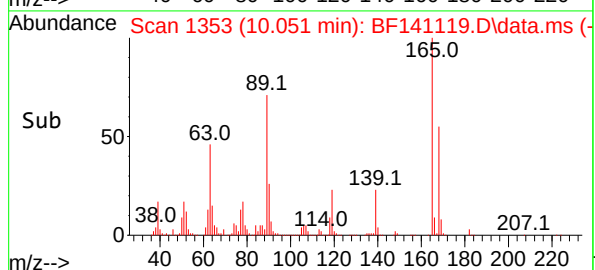
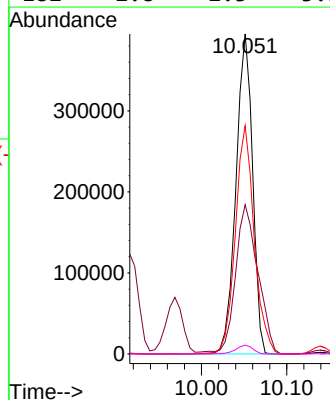
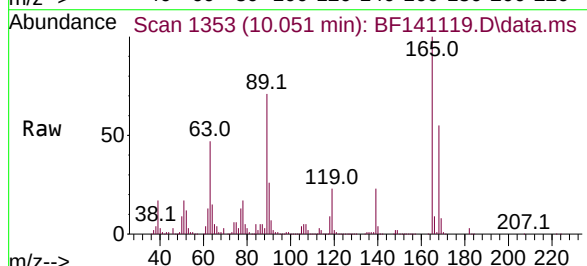
Ion Ratio Lower Upper

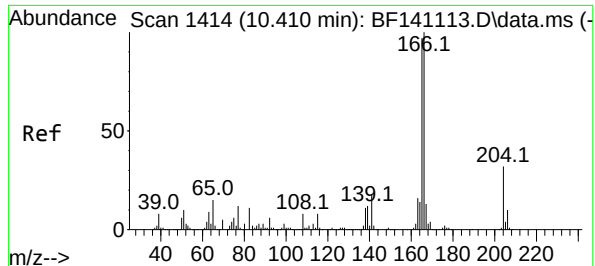
165 100

63 46.6 35.0 52.4

89 71.3 56.7 85.1

182 2.8 2.3 3.5

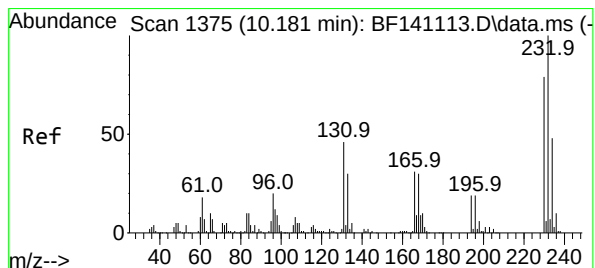
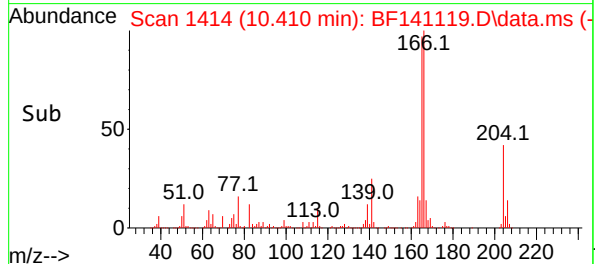
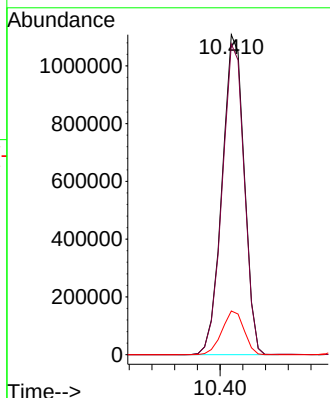
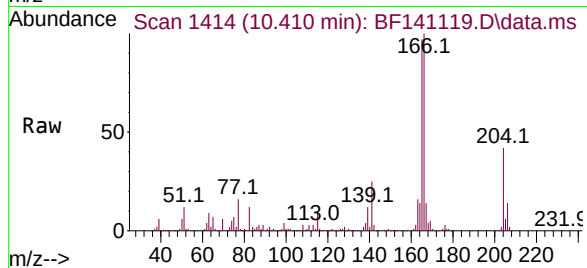




#58  
Fluorene  
Concen: 68.372 ng  
RT: 10.410 min Scan# 1414  
Delta R.T. -0.000 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

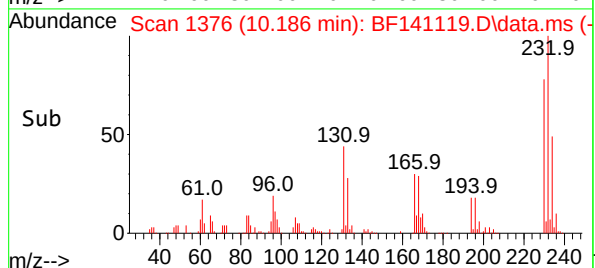
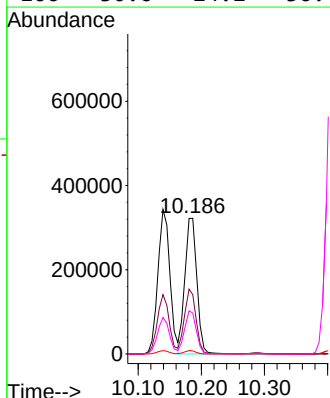
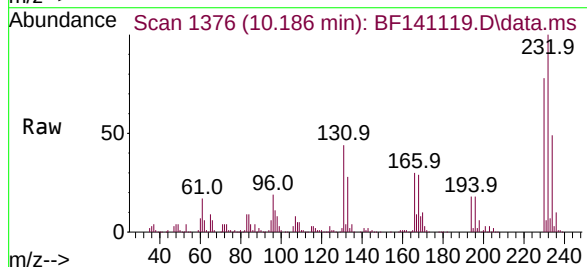
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

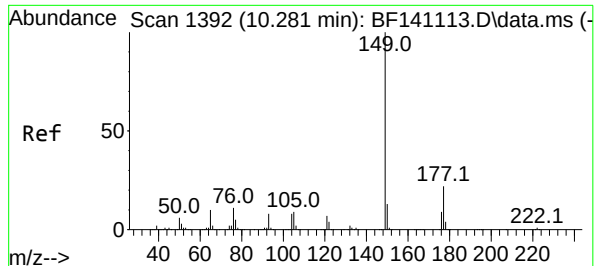
Tgt Ion:166 Resp: 1493903  
Ion Ratio Lower Upper  
166 100  
165 97.1 77.8 116.8  
167 13.6 10.8 16.2



#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

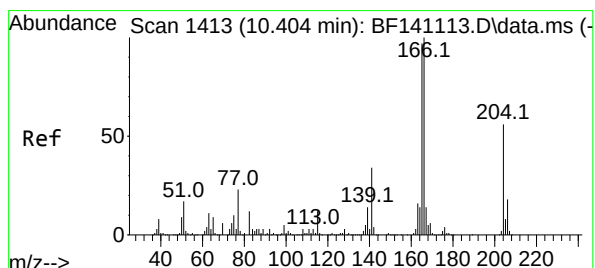
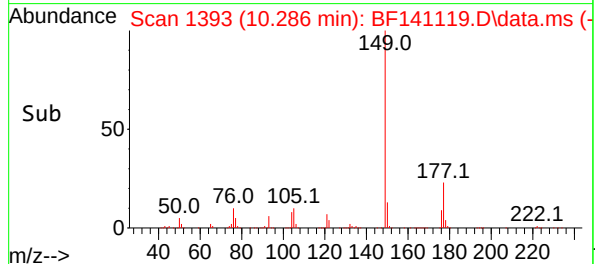
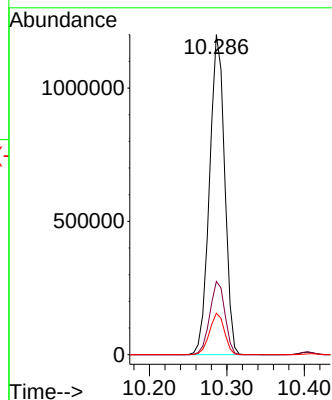
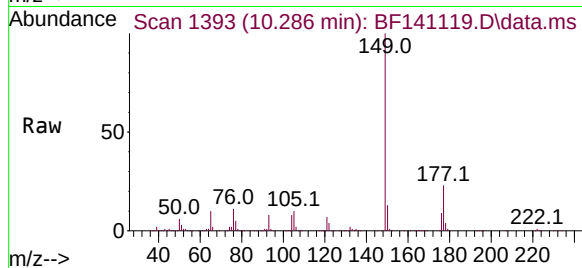




#60  
Diethylphthalate  
Concen: 72.366 ng  
RT: 10.286 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

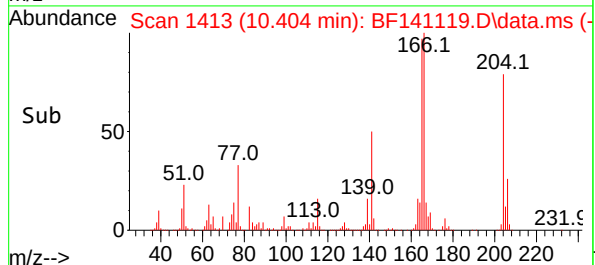
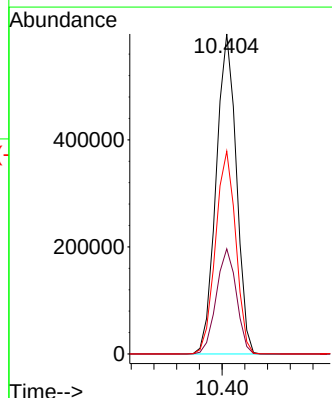
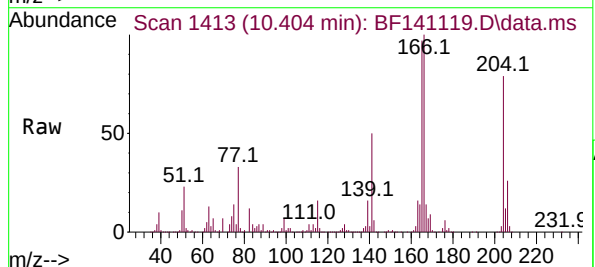
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

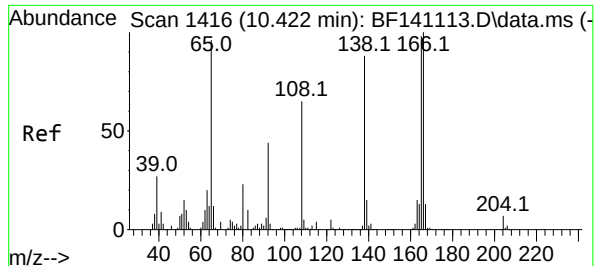
Tgt Ion:149 Resp: 1624226  
Ion Ratio Lower Upper  
149 100  
177 22.9 17.9 26.9  
150 12.9 10.2 15.2



#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

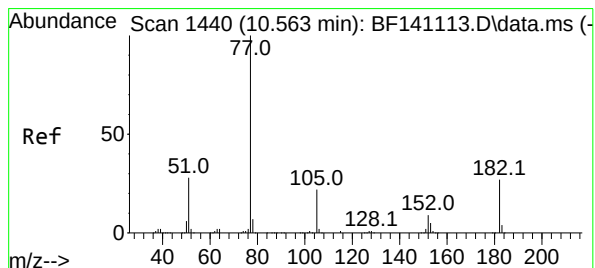
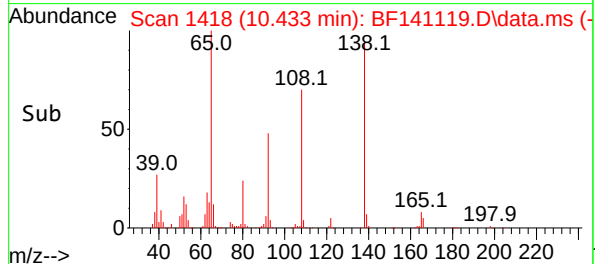
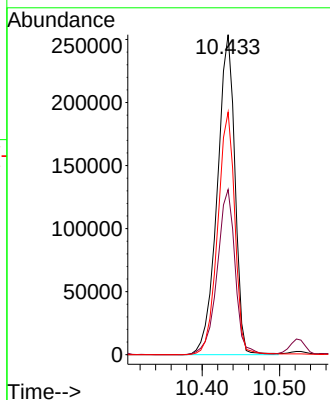
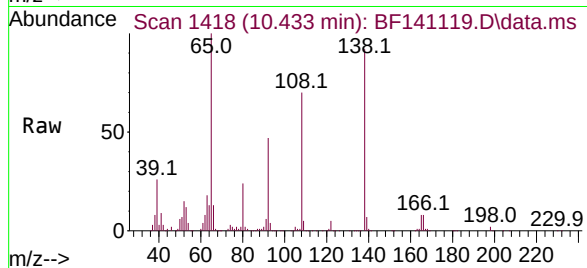




#62  
4-Nitroaniline  
Concen: 75.992 ng  
RT: 10.433 min Scan# 1416  
Delta R.T. 0.012 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

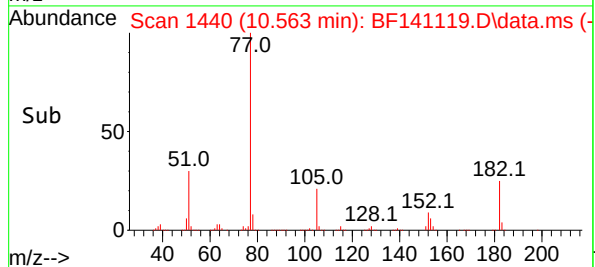
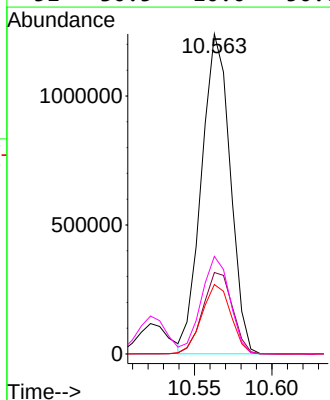
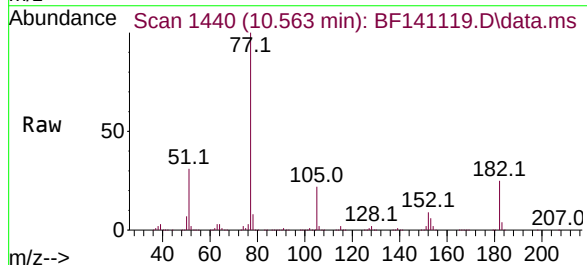
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

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

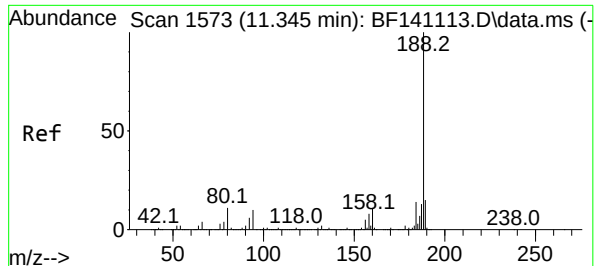


#63  
Azobenzene  
Concen: 72.150 ng  
RT: 10.563 min Scan# 1440  
Delta R.T. -0.000 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

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



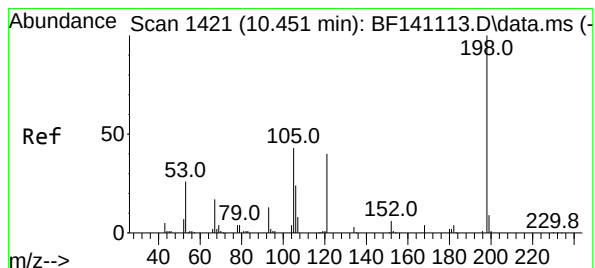
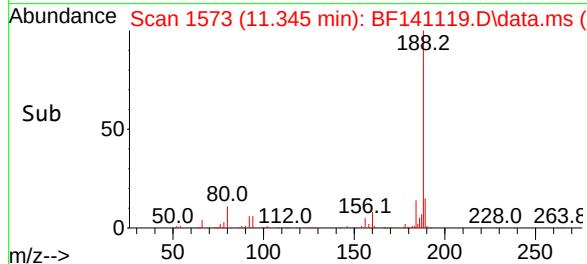
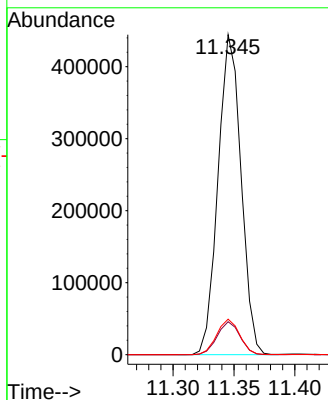
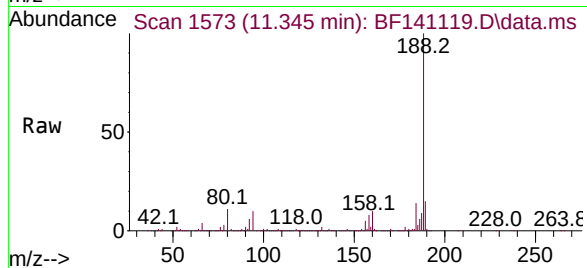




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.345 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

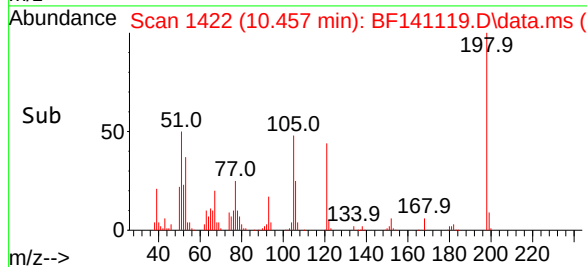
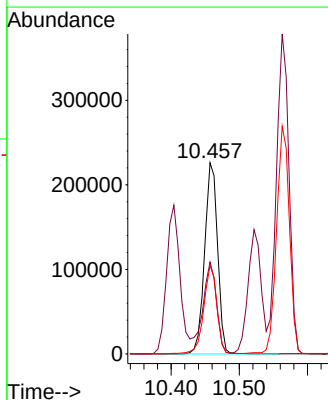
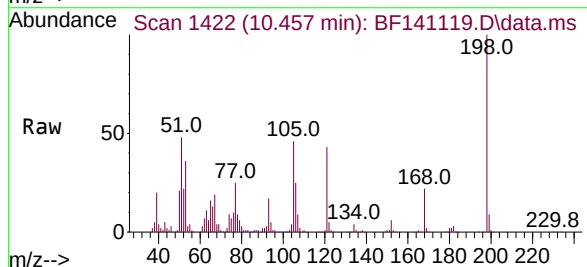
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

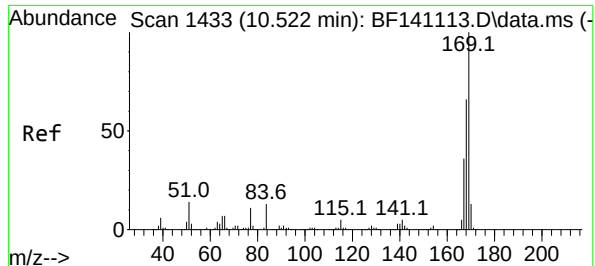
| Tgt Ion | 188    | 94   | 80   |
|---------|--------|------|------|
| Resp    | 584387 | 10.3 | 11.1 |
| Lower   |        | 8.3  | 9.0  |
| Upper   |        | 12.5 | 13.4 |



#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    | 51   | 105  |
|---------|--------|------|------|
| Resp    | 299726 | 48.0 | 46.4 |
| Lower   |        | 27.1 | 24.2 |
| Upper   |        | 67.1 | 64.2 |

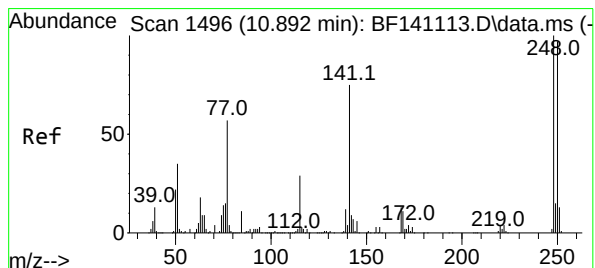
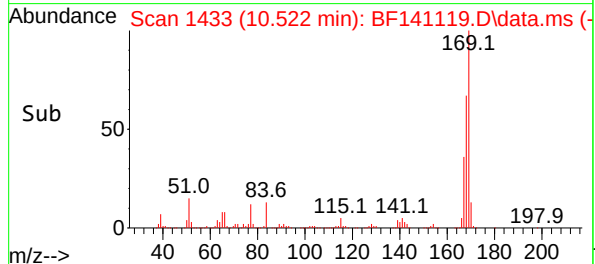
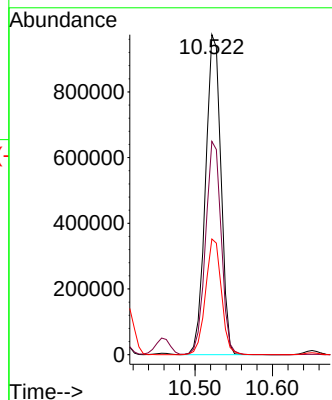
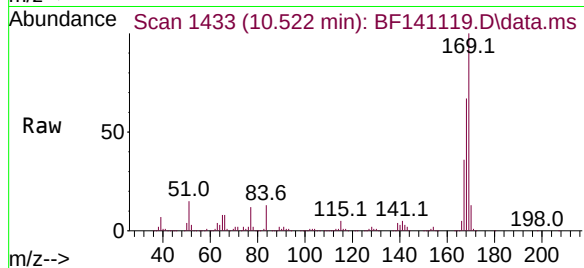




#66  
n-Nitrosodiphenylamine  
Concen: 71.129 ng  
RT: 10.522 min Scan# 1433  
Delta R.T. -0.000 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

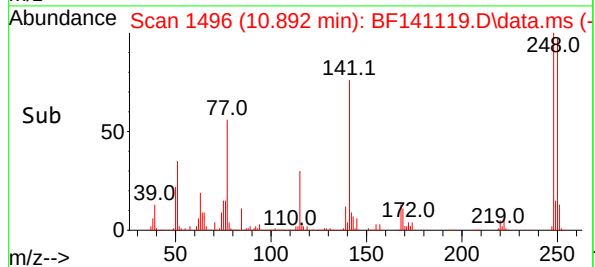
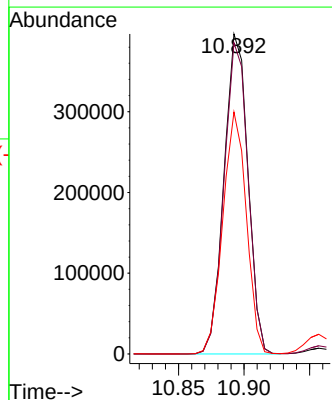
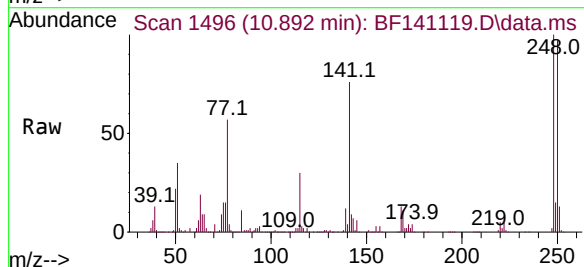
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

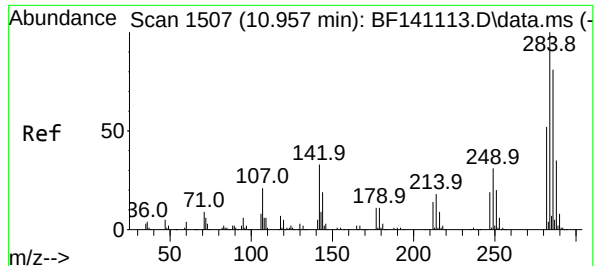
Tgt Ion:169 Resp: 1340718  
Ion Ratio Lower Upper  
169 100  
168 66.6 52.5 78.7  
167 36.1 28.9 43.3



#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

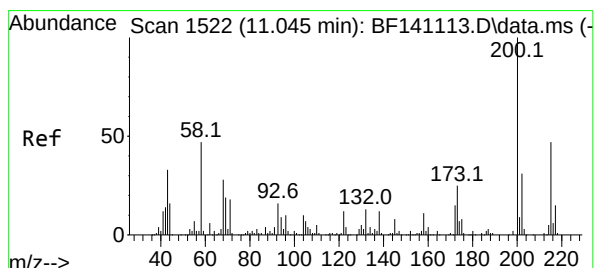
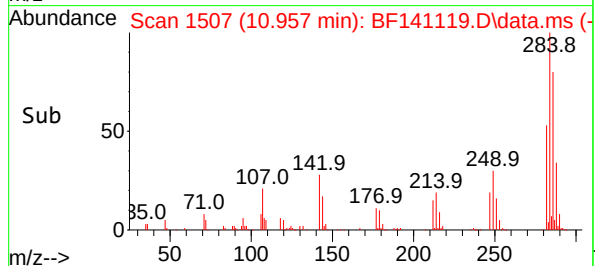
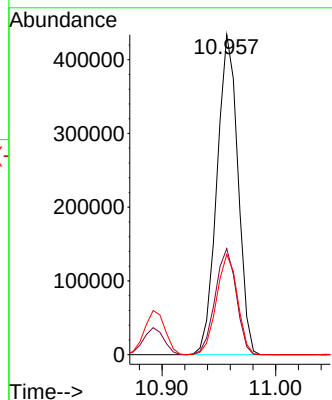
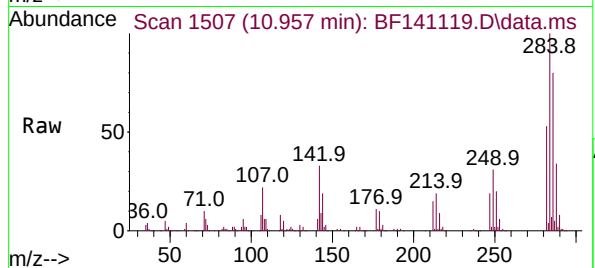




#68  
Hexachlorobenzene  
Concen: 74.464 ng  
RT: 10.957 min Scan# 1507  
Delta R.T. -0.000 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

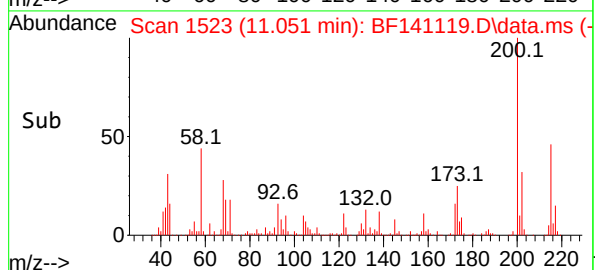
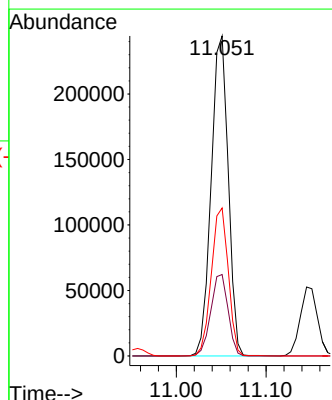
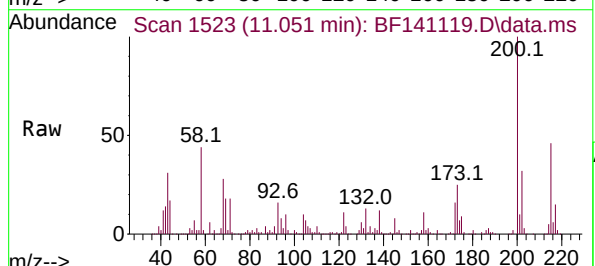
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

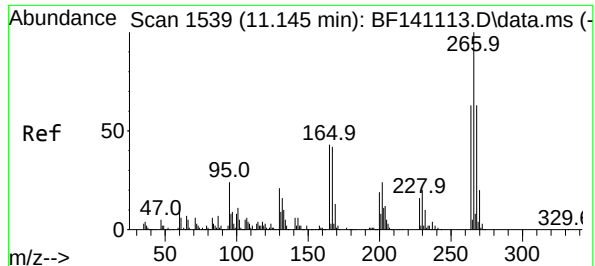
Tgt Ion:284 Resp: 557705  
Ion Ratio Lower Upper  
284 100  
142 33.2 26.3 39.5  
249 31.3 24.9 37.3



#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# 1539

Delta R.T. 0.006 min

Lab File: BF141119.D

Acq: 10 Jan 2025 17:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

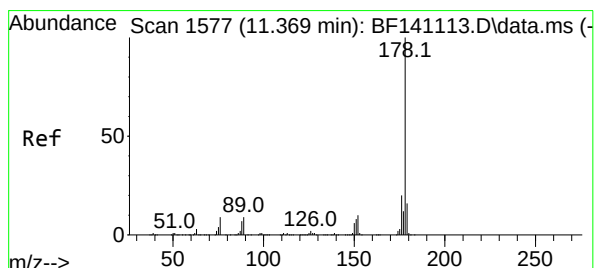
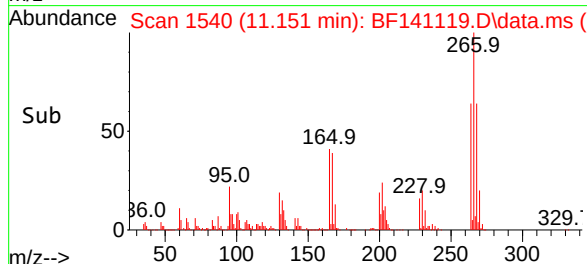
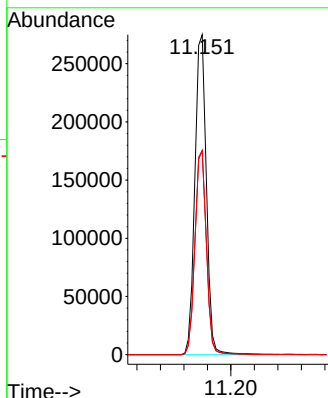
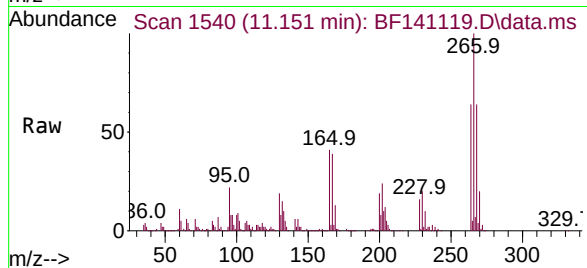
Tgt Ion:266 Resp: 373762

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

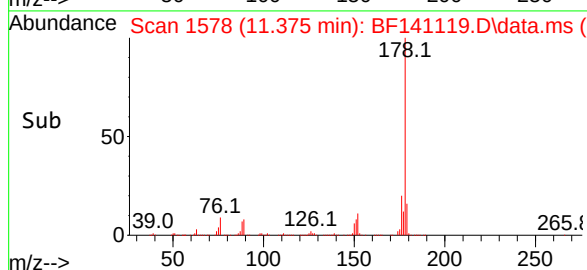
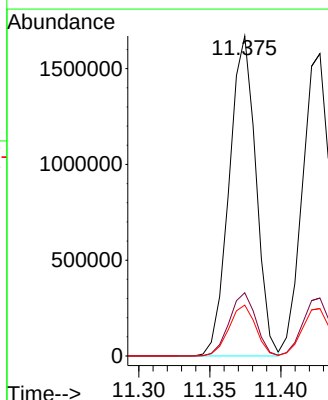
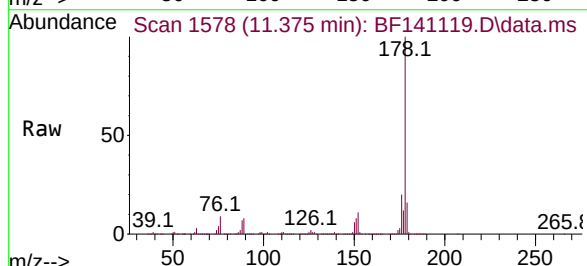
Tgt Ion:178 Resp: 2186474

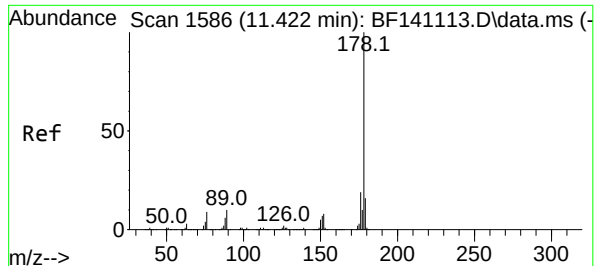
Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

179 15.9 12.6 19.0

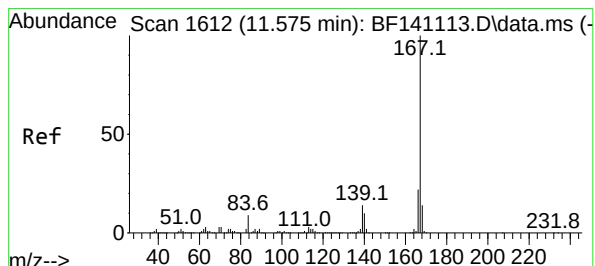
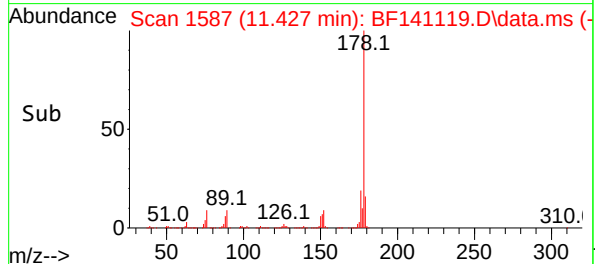
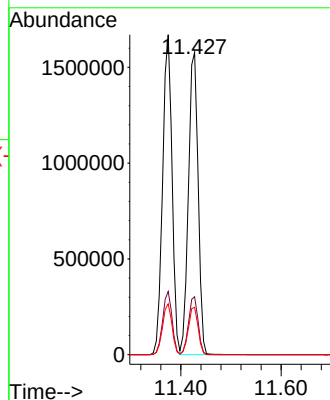
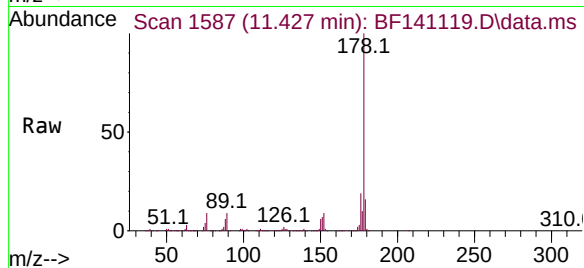




#72  
Anthracene  
Concen: 69.565 ng  
RT: 11.427 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

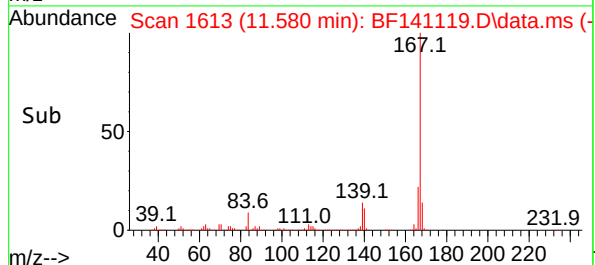
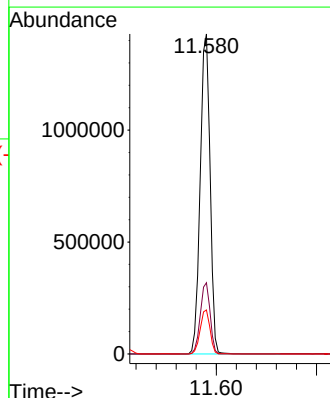
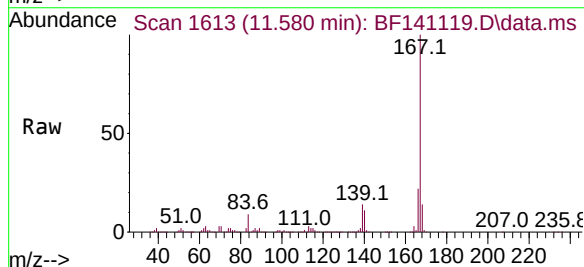
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

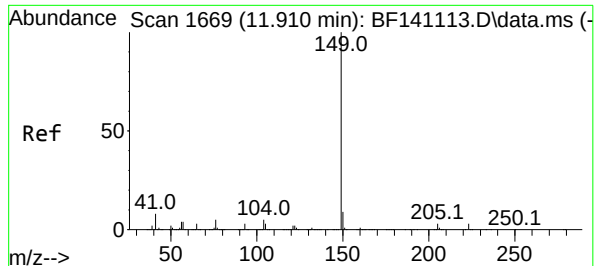
Tgt Ion:178 Resp: 2122167  
Ion Ratio Lower Upper  
178 100  
176 19.2 14.9 22.3  
179 15.7 12.6 19.0



#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

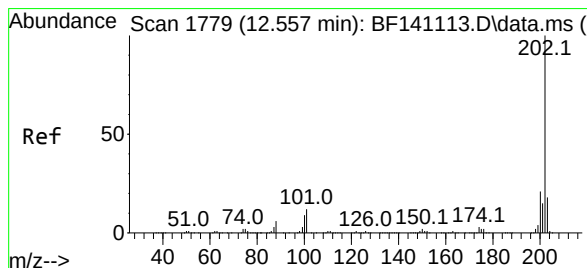
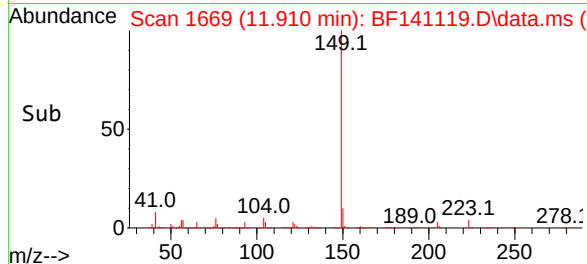
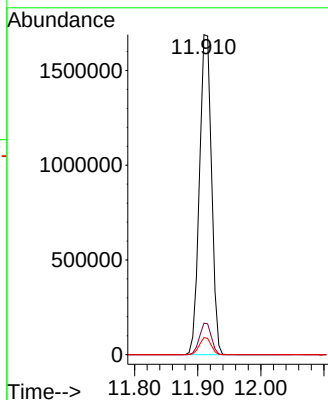
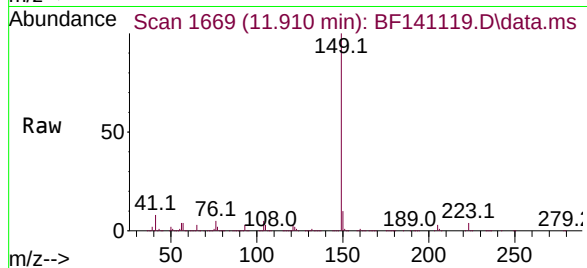




#74  
Di-n-butylphthalate  
Concen: 69.986 ng  
RT: 11.910 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

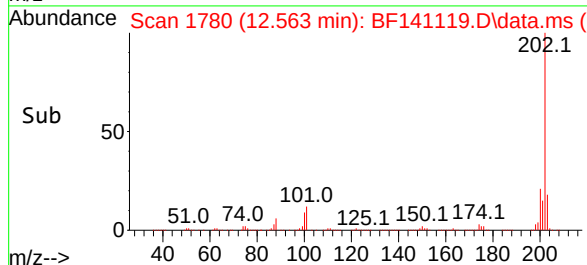
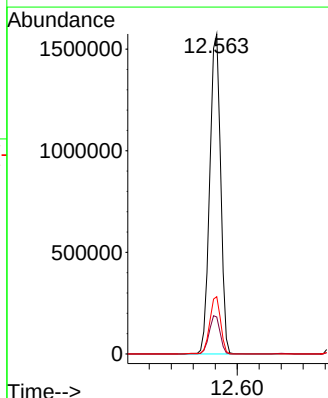
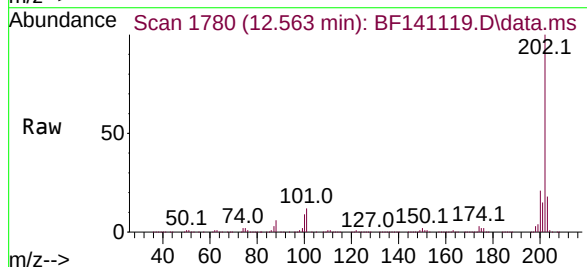
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

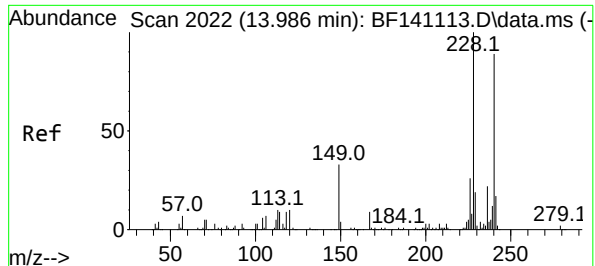
Tgt Ion:149 Resp: 2240405  
Ion Ratio Lower Upper  
149 100  
150 9.8 7.4 11.2  
104 5.4 4.2 6.2



#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

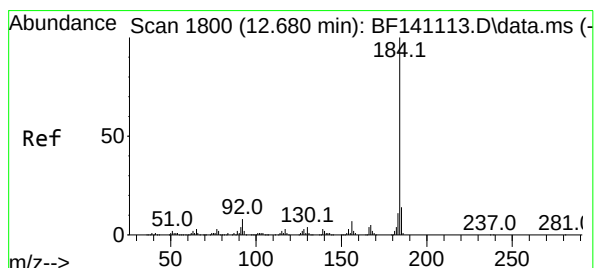
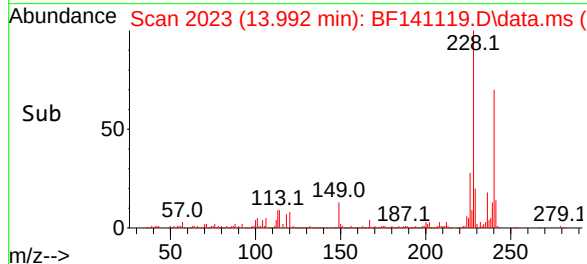
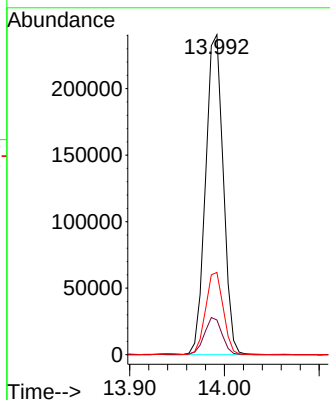
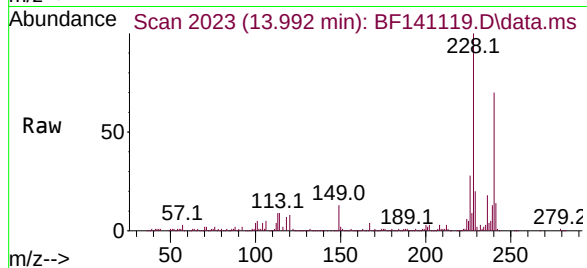




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.992 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

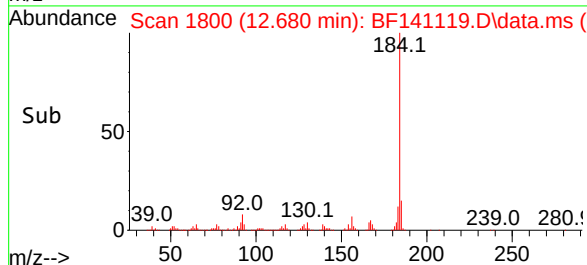
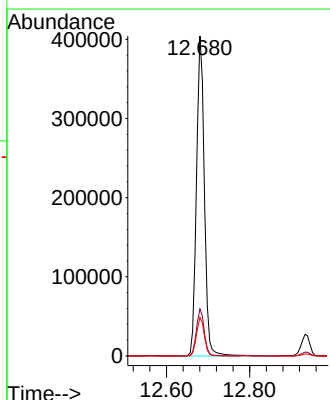
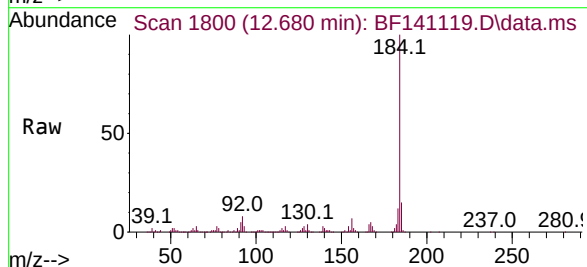
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

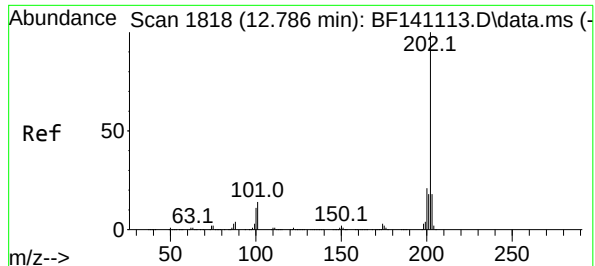
Tgt Ion:240 Resp: 310879  
Ion Ratio Lower Upper  
240 100  
120 10.8 9.1 13.7  
236 25.7 19.8 29.6



#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

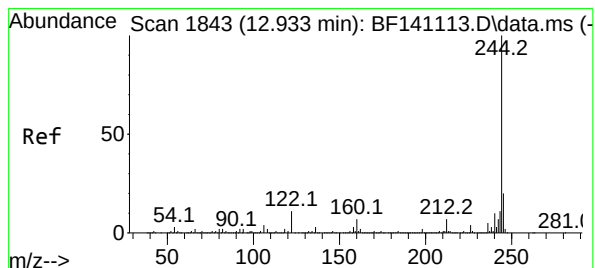
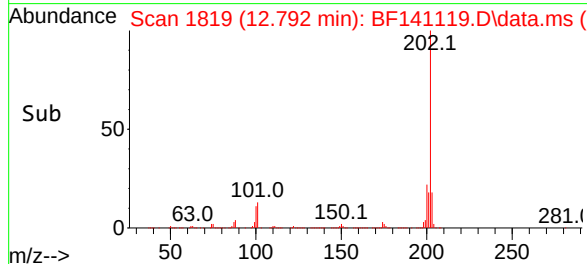
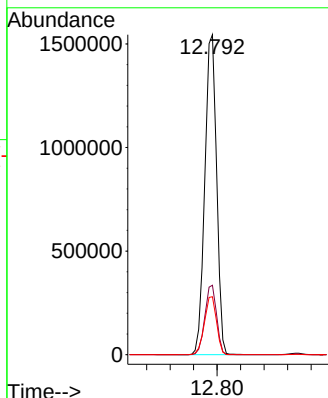
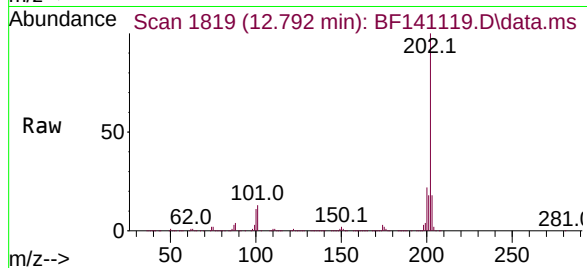




#78  
Pyrene  
Concen: 72.034 ng  
RT: 12.792 min Scan# 1819  
Delta R.T. 0.006 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

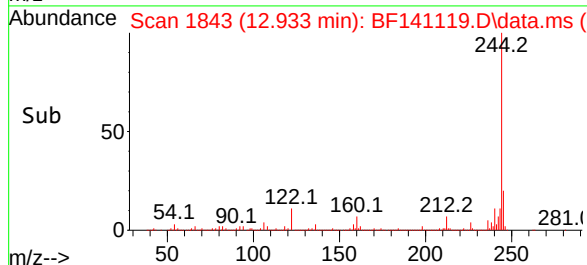
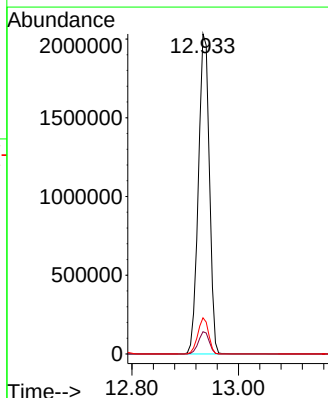
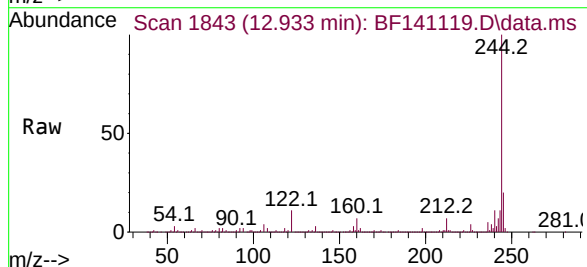
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

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

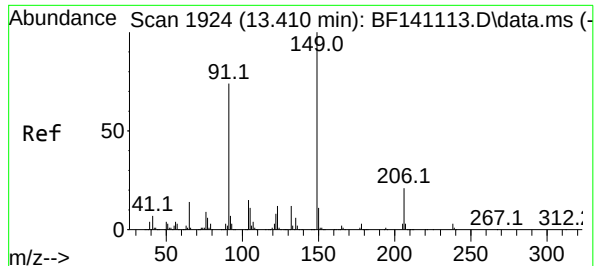


#79  
Terphenyl-d14  
Concen: 138.433 ng  
RT: 12.933 min Scan# 1843  
Delta R.T. -0.000 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

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# 1924

Delta R.T. -0.000 min

Lab File: BF141119.D

Acq: 10 Jan 2025 17:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

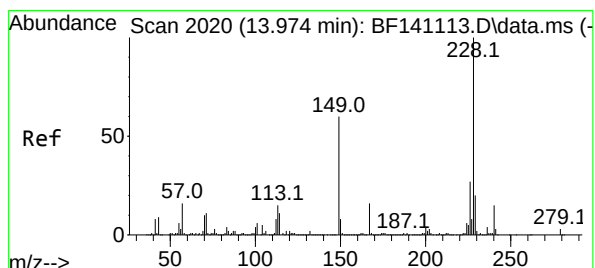
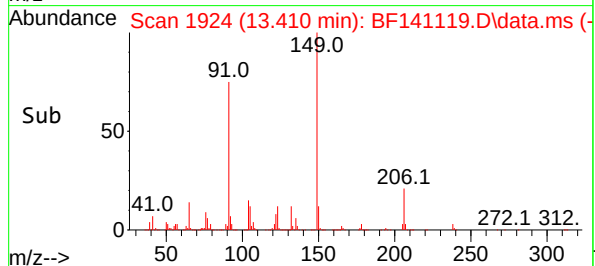
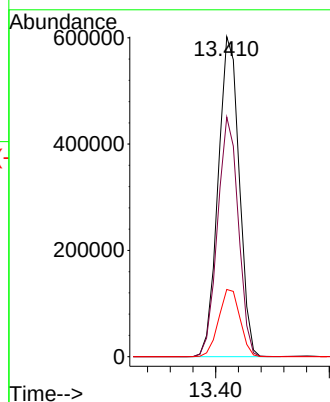
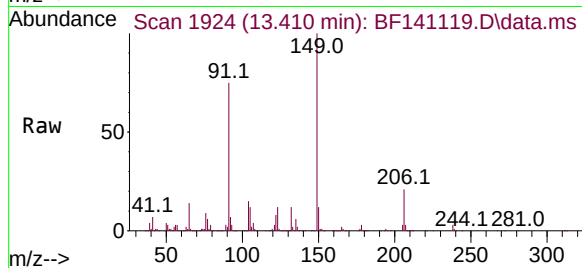
Tgt Ion:149 Resp: 775127

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

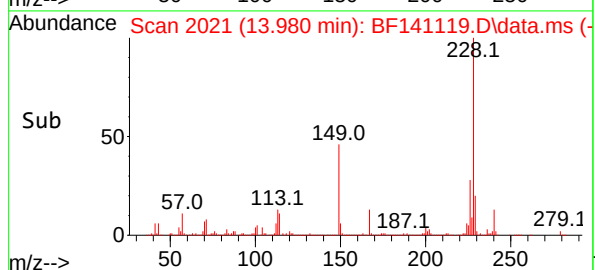
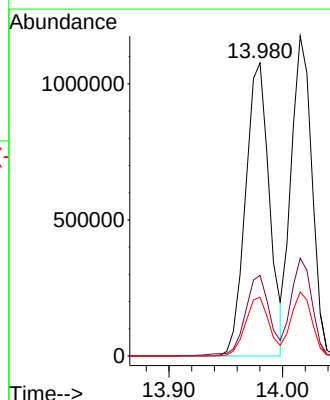
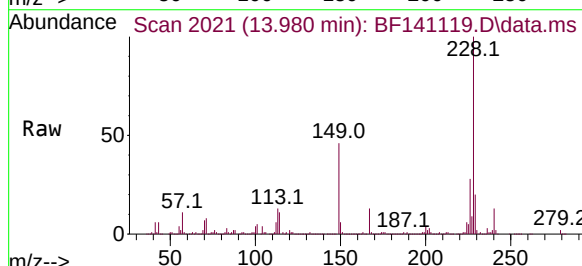
Tgt Ion:228 Resp: 1574387

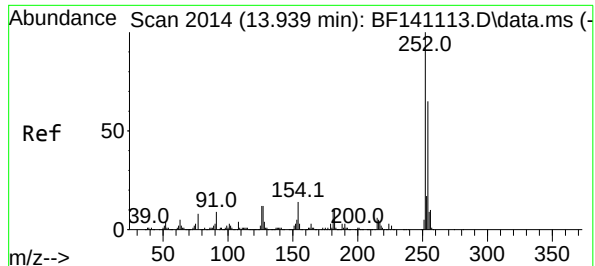
Ion Ratio Lower Upper

228 100

226 27.5 21.7 32.5

229 20.0 15.7 23.5

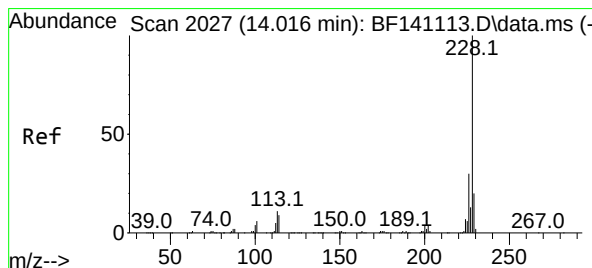
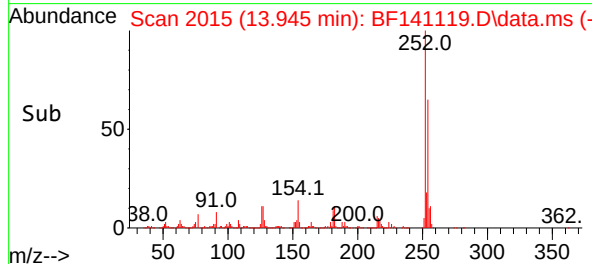
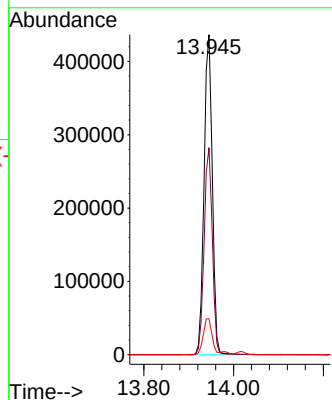
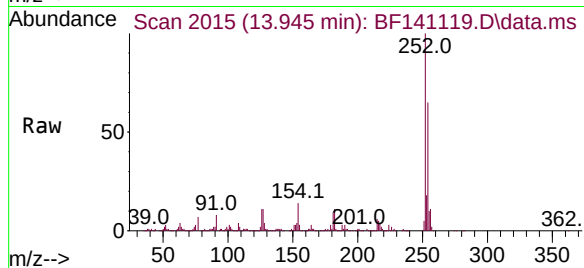




#82  
3,3'-Dichlorobenzidine  
Concen: 82.781 ng  
RT: 13.945 min Scan# 2015  
Delta R.T. 0.006 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

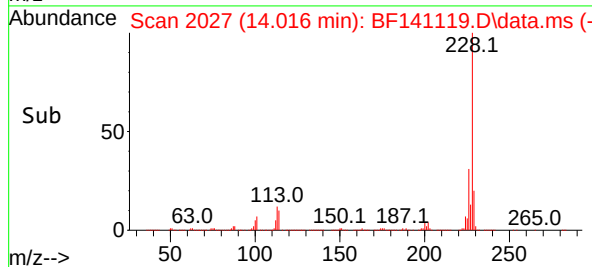
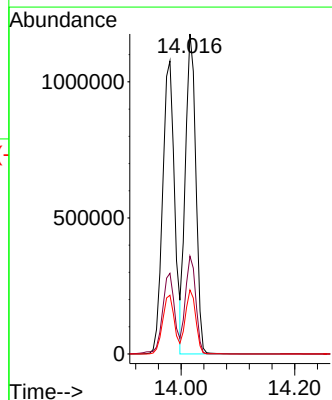
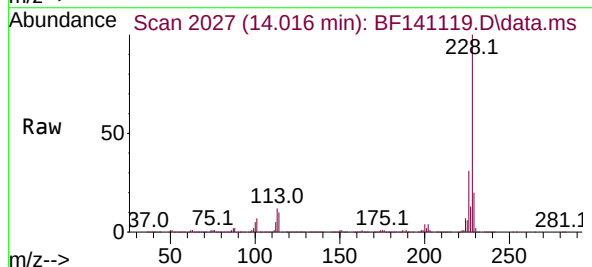
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

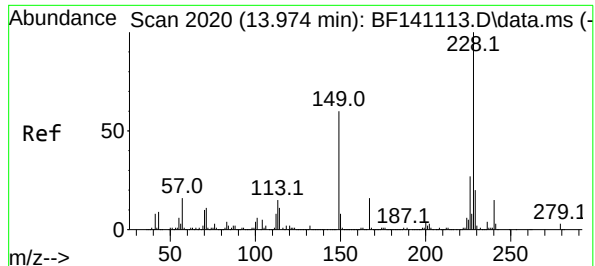
Tgt Ion:252 Resp: 557682  
Ion Ratio Lower Upper  
252 100  
254 64.7 52.0 78.0  
126 11.3 9.4 14.0



#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

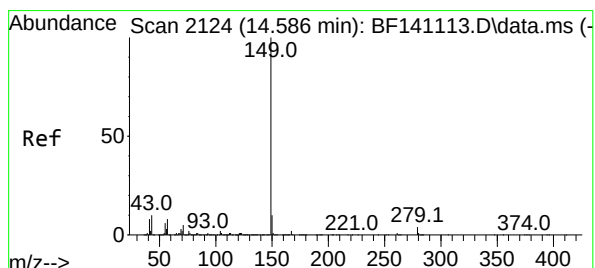
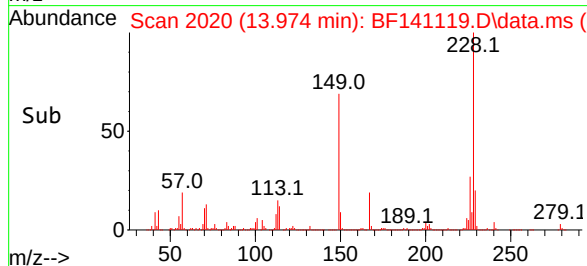
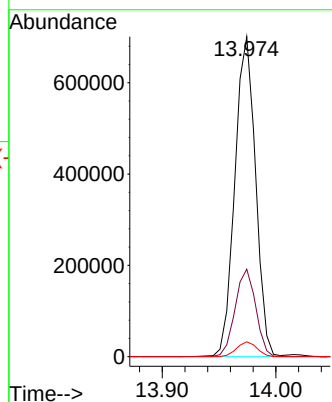
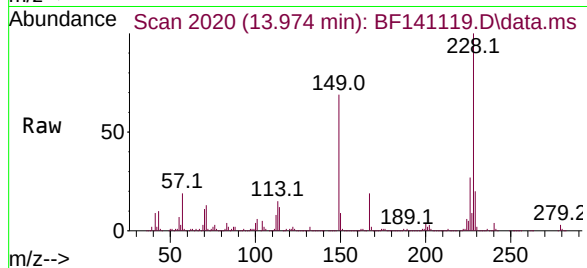




#84  
Bis(2-ethylhexyl)phthalate  
Concen: 74.589 ng  
RT: 13.974 min Scan# 2020  
Delta R.T. -0.000 min  
Lab File: BF141119.D  
Acq: 10 Jan 2025 17:45

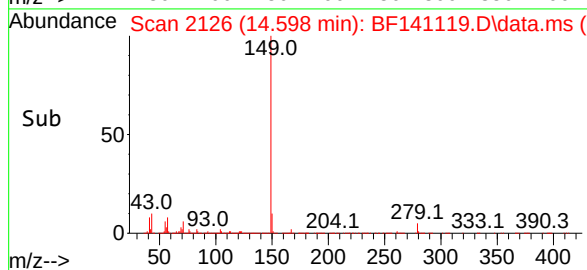
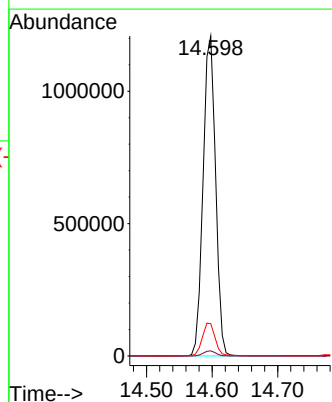
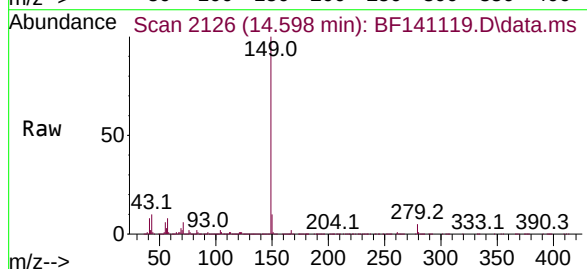
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDICC080

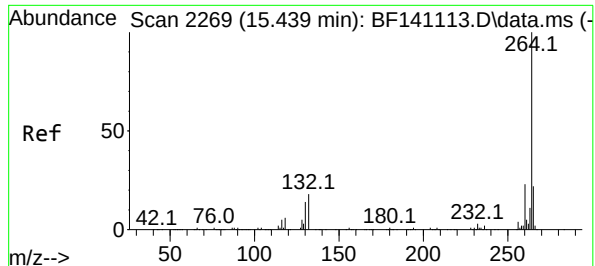
Tgt Ion:149 Resp: 885991  
Ion Ratio Lower Upper  
149 100  
167 27.3 21.4 32.2  
279 4.7 3.4 5.2



#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# 21

Delta R.T. 0.012 min

Lab File: BF141119.D

Acq: 10 Jan 2025 17:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

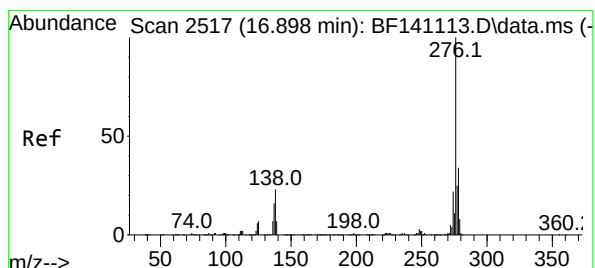
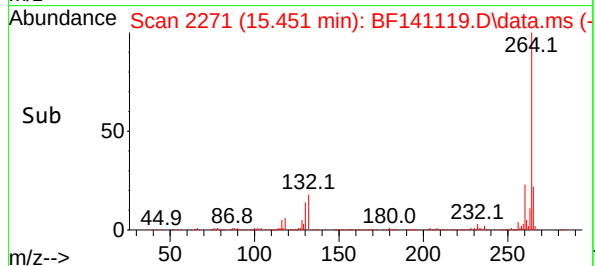
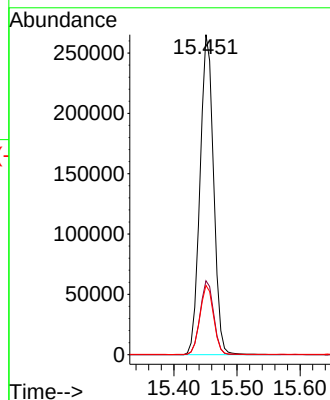
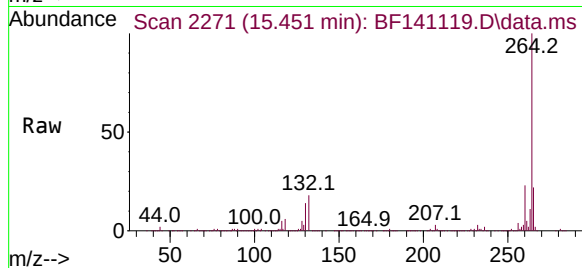
Tgt Ion:264 Resp: 395988

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

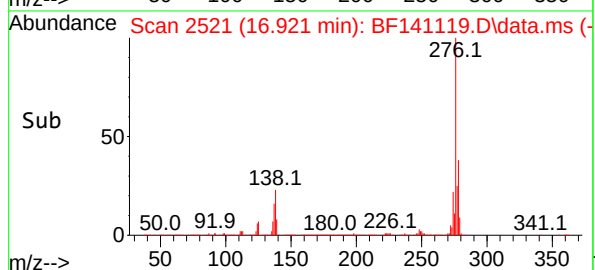
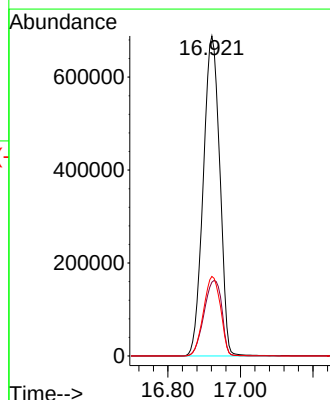
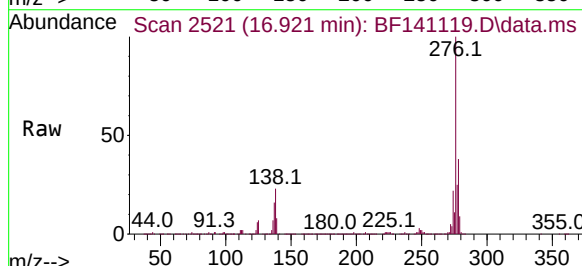
Tgt Ion:276 Resp: 2176761

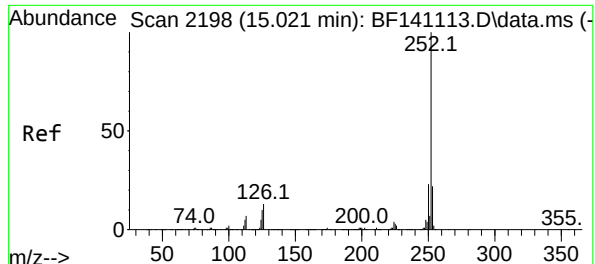
Ion Ratio Lower Upper

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# 21

Delta R.T. 0.012 min

Lab File: BF141119.D

Acq: 10 Jan 2025 17:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

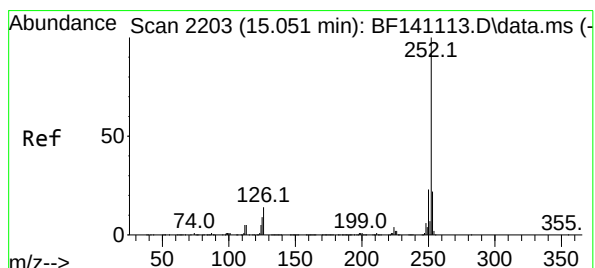
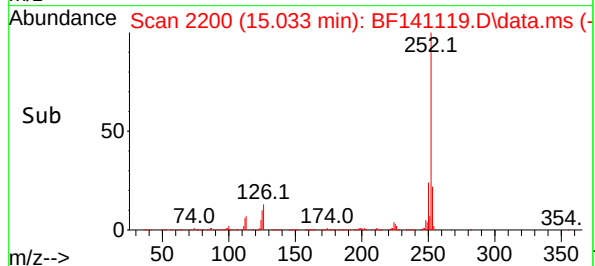
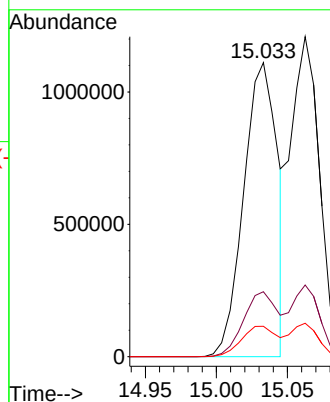
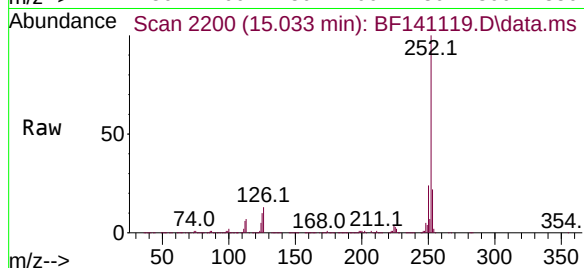
Tgt Ion:252 Resp: 1830448

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

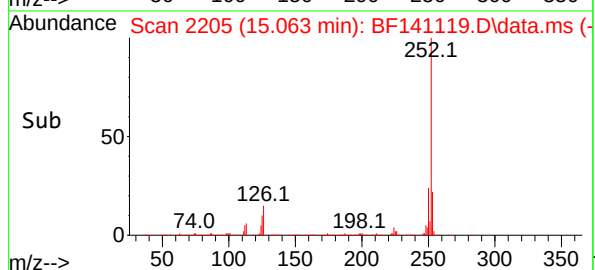
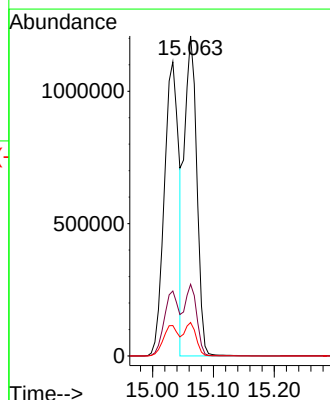
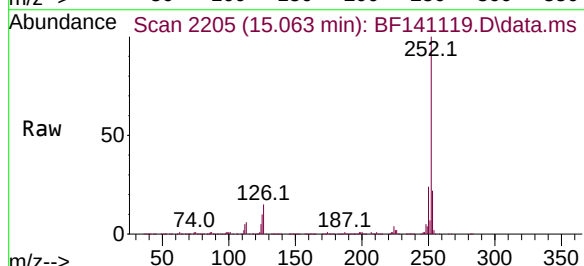
Tgt Ion:252 Resp: 1701343

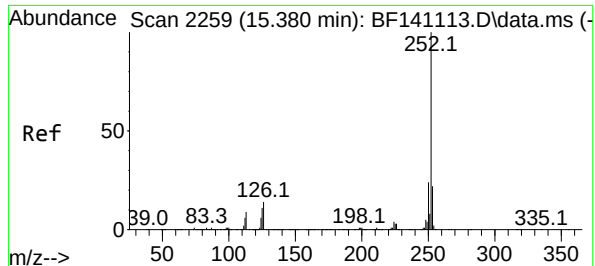
Ion Ratio Lower Upper

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# 21

Delta R.T. 0.018 min

Lab File: BF141119.D

Acq: 10 Jan 2025 17:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080

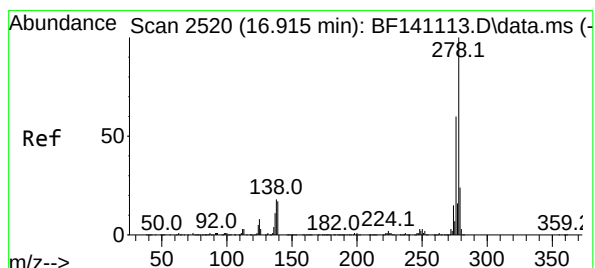
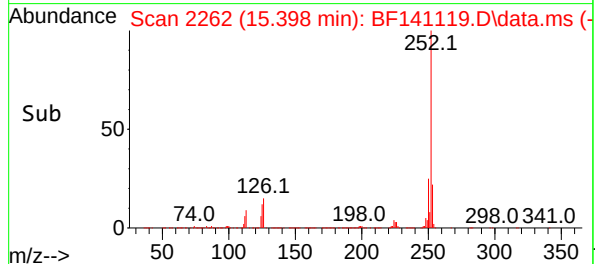
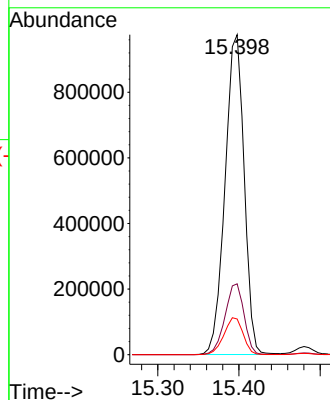
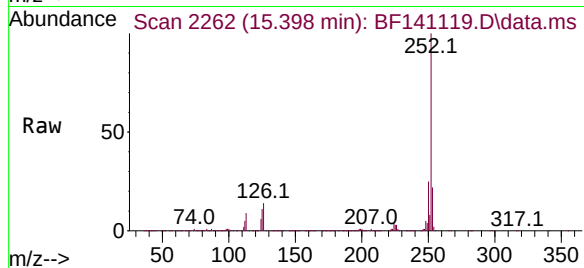
Tgt Ion:252 Resp: 1594959

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

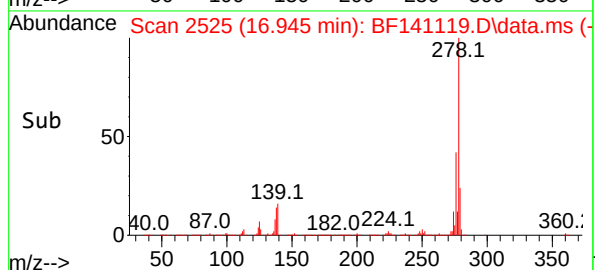
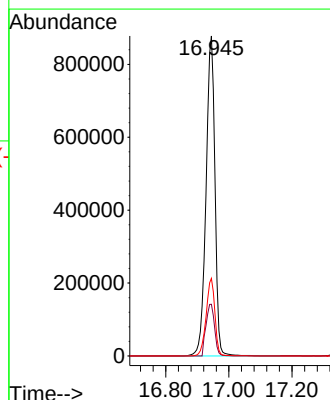
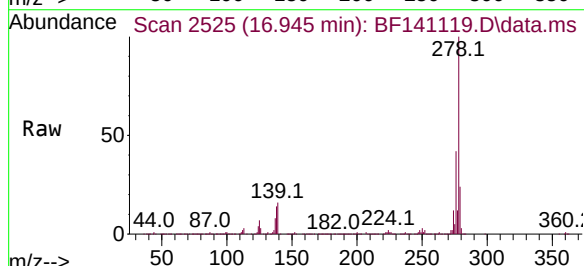
Tgt Ion:278 Resp: 1723136

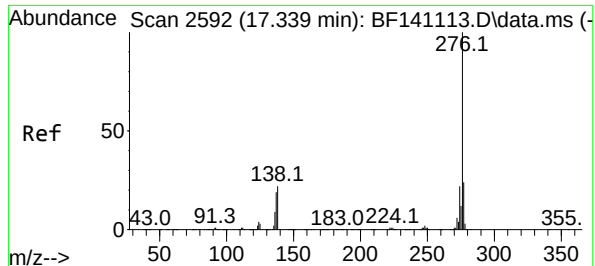
Ion Ratio Lower Upper

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# 21

Delta R.T. 0.029 min

Lab File: BF141119.D

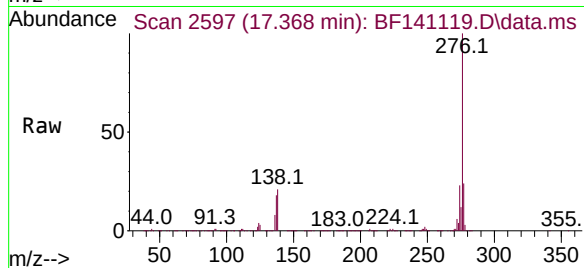
Acq: 10 Jan 2025 17:45

Instrument :

BNA\_F

ClientSampleId :

SSTDICC080



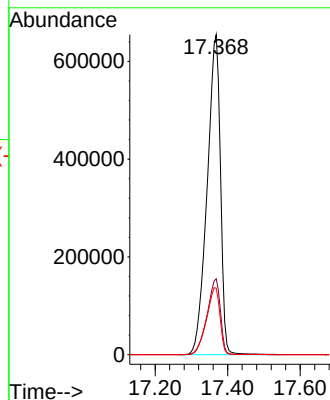
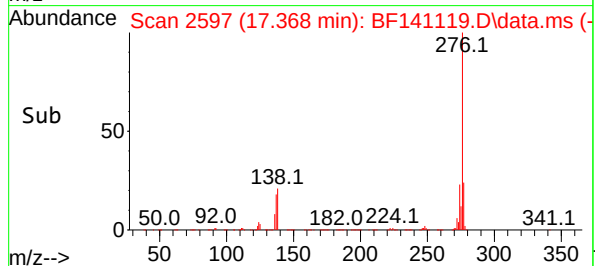
Tgt Ion:276 Resp: 1664293

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 20.8 17.4 26.2



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      |



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

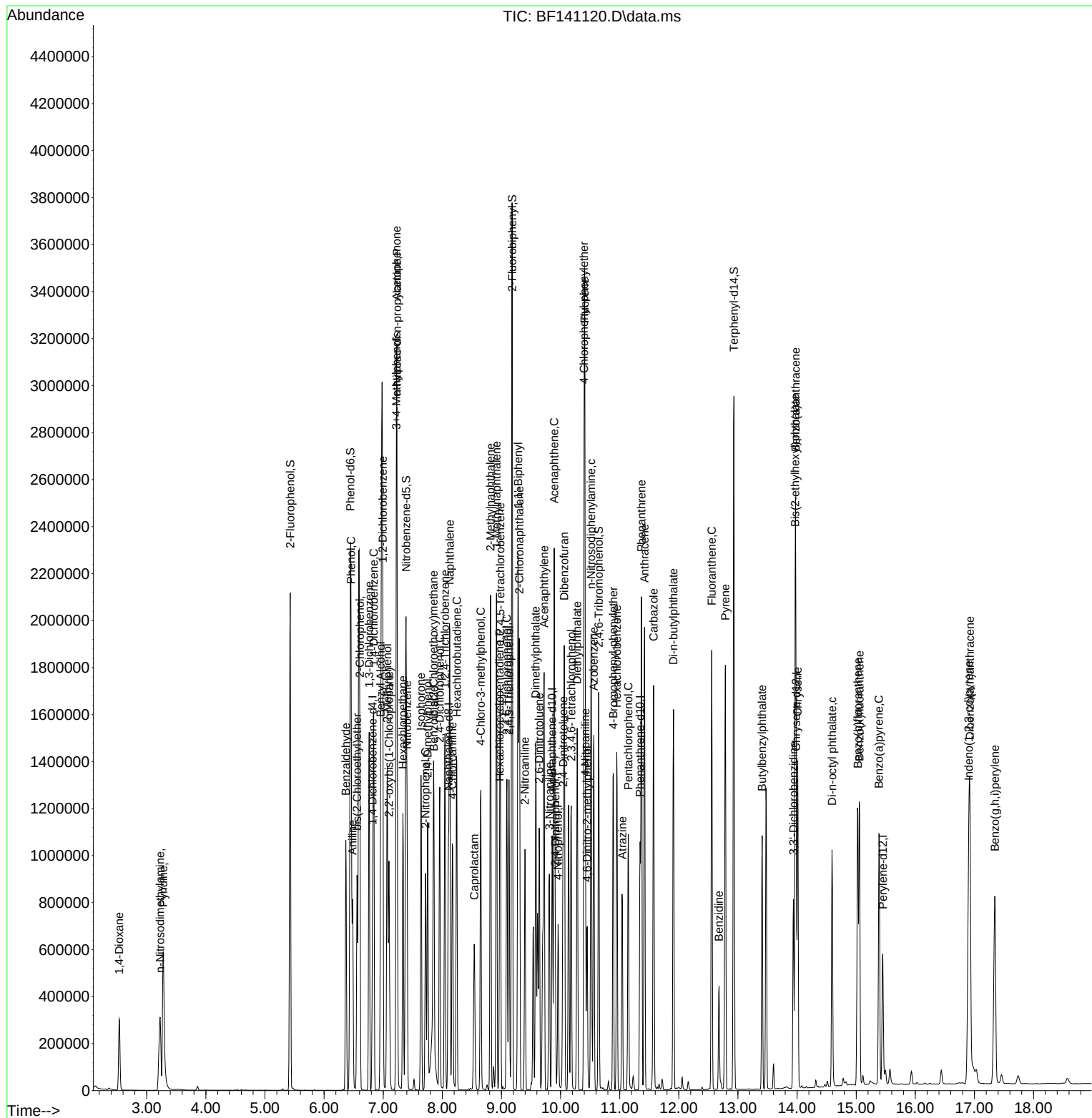
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.128  | 196  | 258003   | 40.064 | ng    | 99       |
| 46) 1,1'-Biphenyl             | 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       |

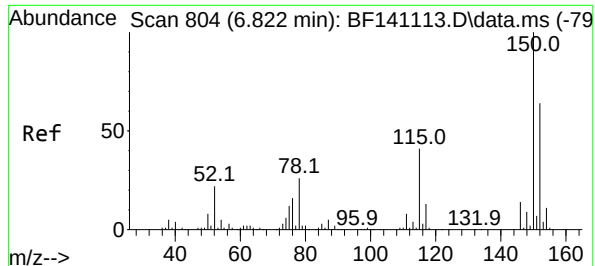
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Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011025\  
 Data File : BF141120.D  
 Acq On : 10 Jan 2025 18:12  
 Operator : RC/JU  
 Sample : SSTDICV040  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ICVBF011025

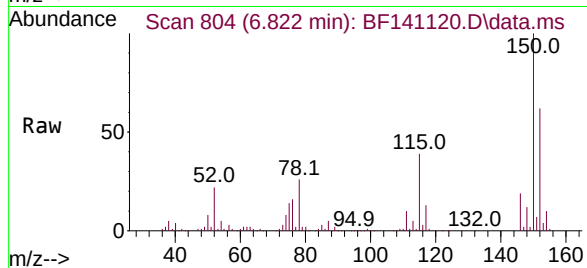
Quant Time: Jan 10 22:57:46 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF011025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 10 22:54:19 2025  
 Response via : Initial Calibration



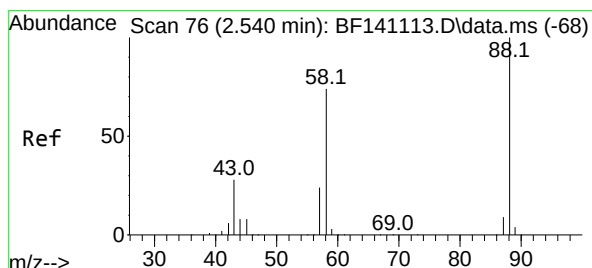
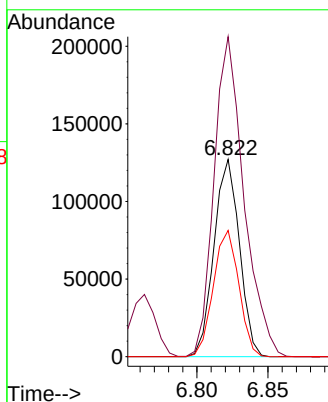
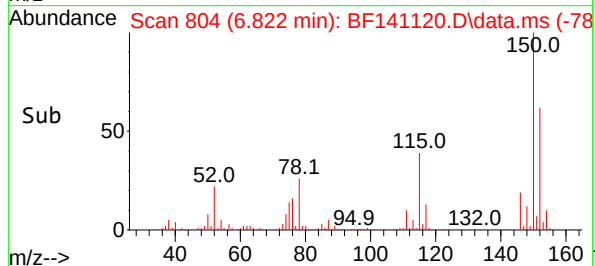


#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.822 min Scan# 80  
Delta R.T. -0.000 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

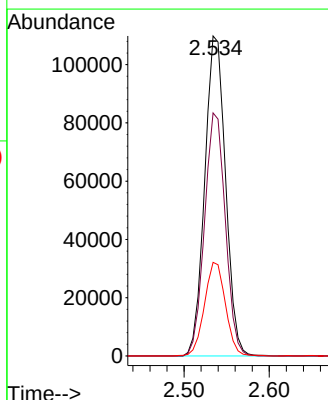
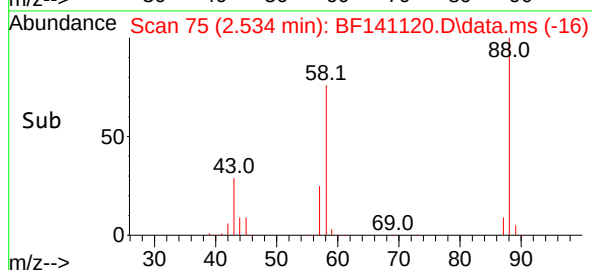
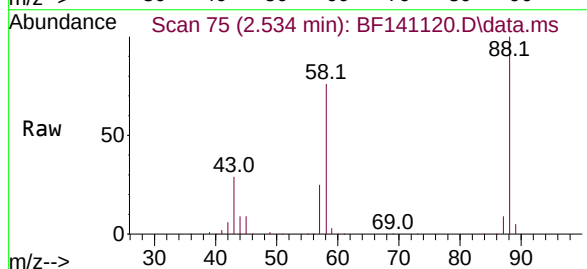


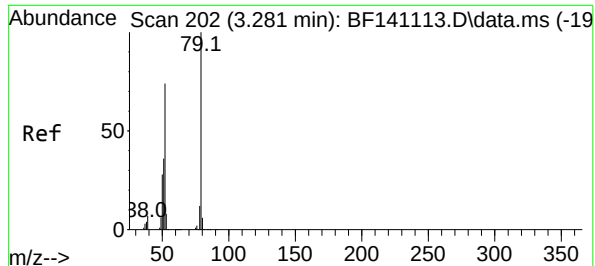
Tgt Ion:152 Resp: 158167  
Ion Ratio Lower Upper  
152 100  
150 162.2 125.8 188.8  
115 64.0 51.4 77.2



#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

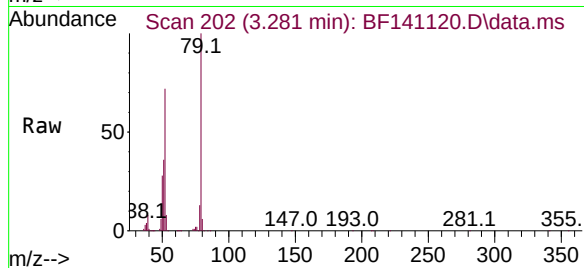
Tgt Ion: 88 Resp: 186646  
Ion Ratio Lower Upper  
88 100  
58 75.7 60.1 90.1  
43 29.5 23.1 34.7



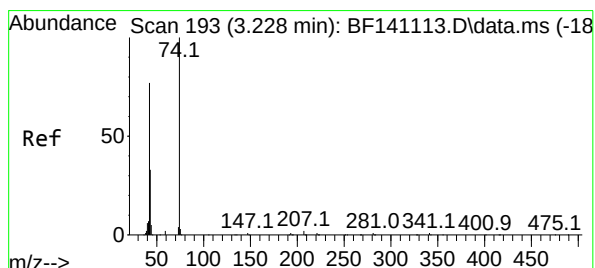
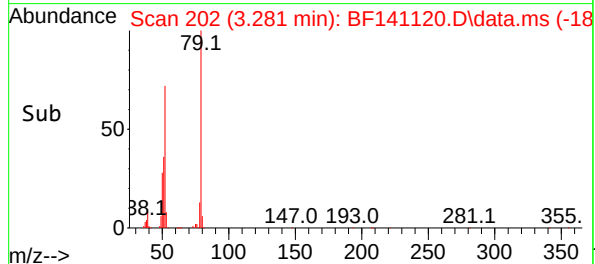
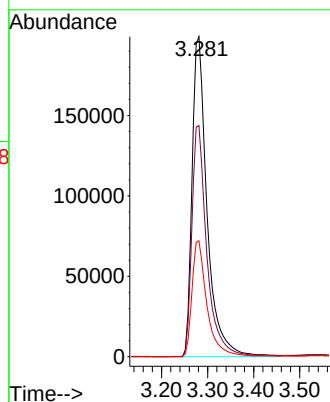


#3  
Pyridine  
Concen: 40.329 ng  
RT: 3.281 min Scan# 202  
Delta R.T. -0.000 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

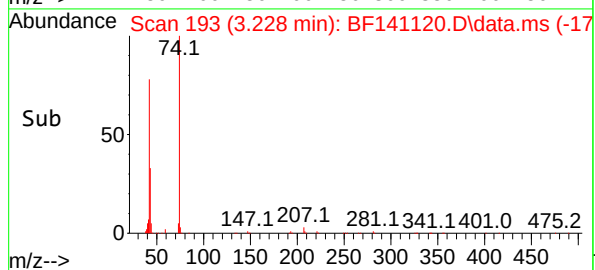
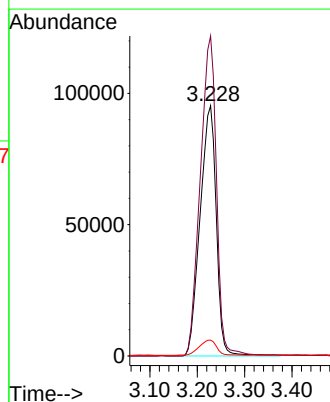
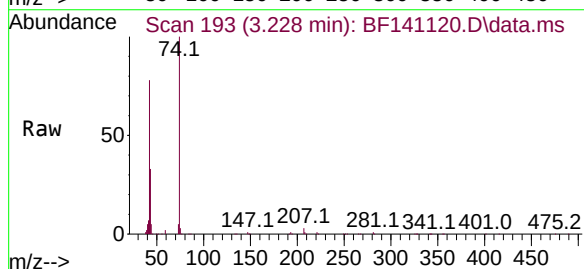


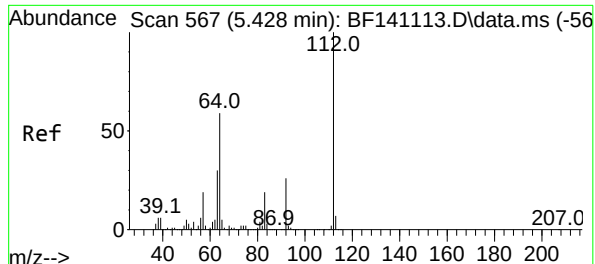
Tgt Ion: 79 Resp: 450909  
Ion Ratio Lower Upper  
79 100  
52 72.2 58.9 88.3  
51 36.2 29.1 43.7



#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

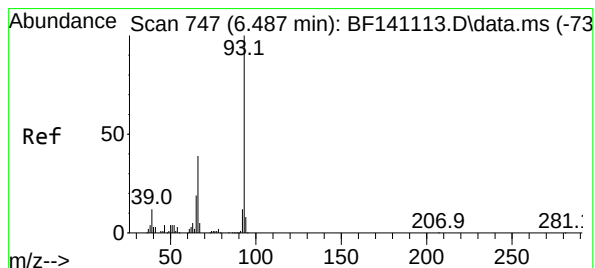
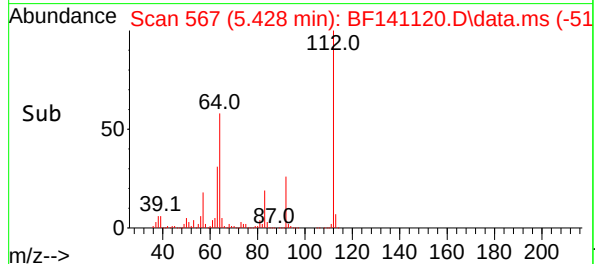
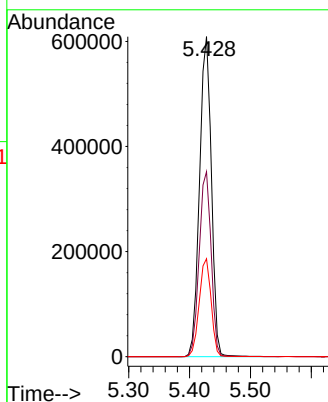
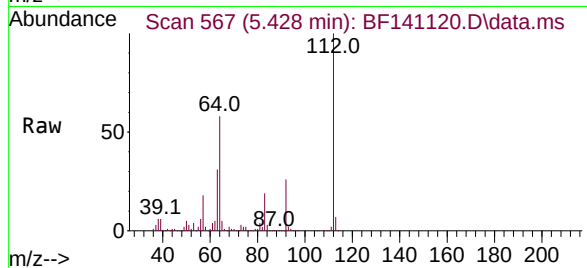




#5  
2-Fluorophenol  
Concen: 80.114 ng  
RT: 5.428 min Scan# 501  
Delta R.T. -0.000 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

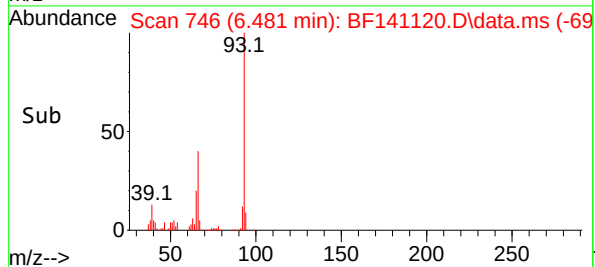
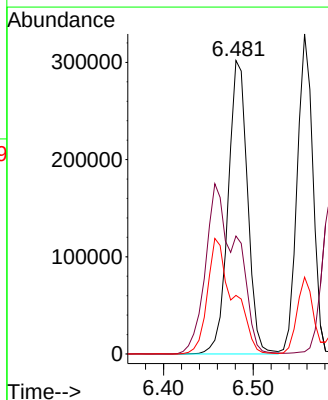
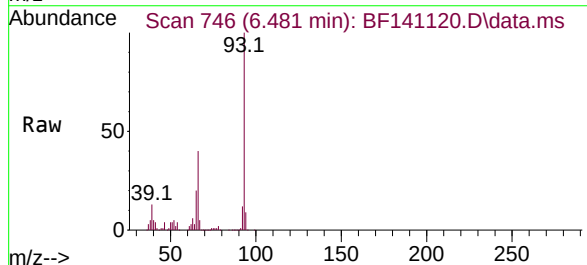
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

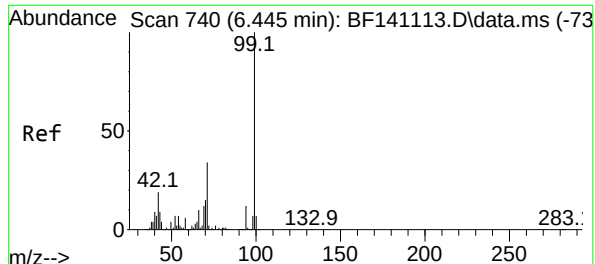
Tgt Ion:112 Resp: 820256  
Ion Ratio Lower Upper  
112 100  
64 57.8 47.3 70.9  
63 30.6 24.2 36.2



#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# 740

Delta R.T. -0.000 min

Lab File: BF141120.D

Acq: 10 Jan 2025 18:12

Instrument :

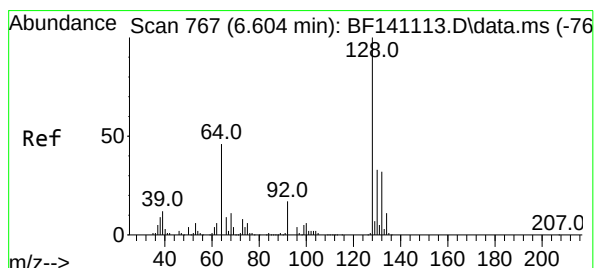
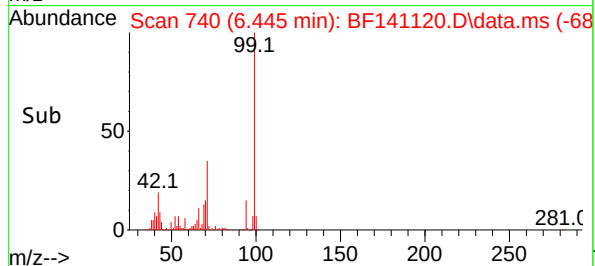
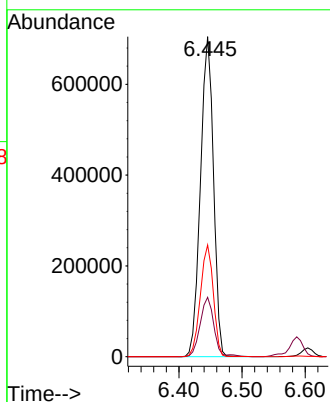
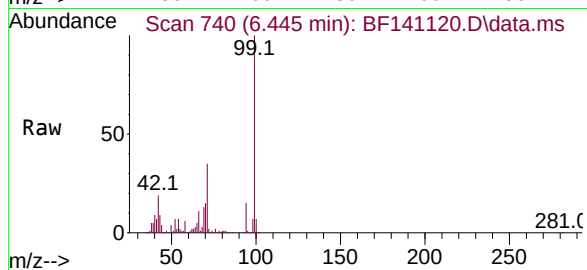
BNA\_F

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

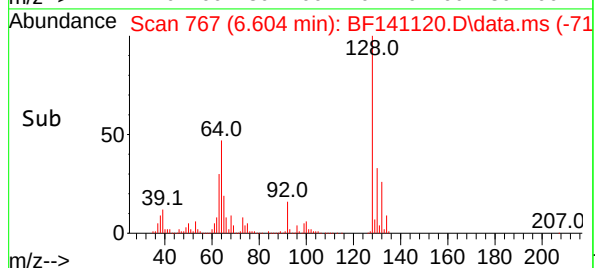
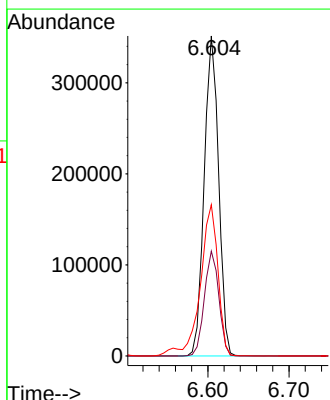
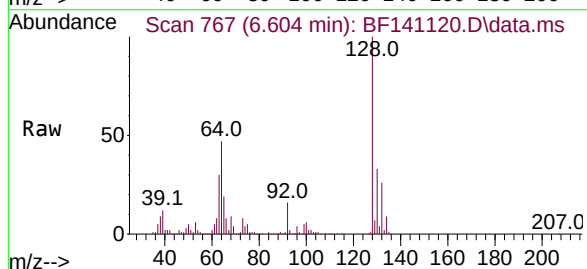
Delta R.T. -0.000 min

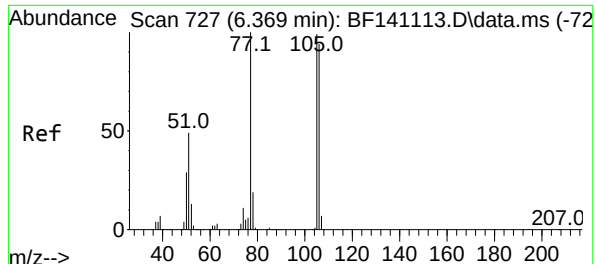
Lab File: BF141120.D

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# 71

Delta R.T. -0.000 min

Lab File: BF141120.D

Acq: 10 Jan 2025 18:12

Instrument :

BNA\_F

ClientSampleId :

ICVBF011025

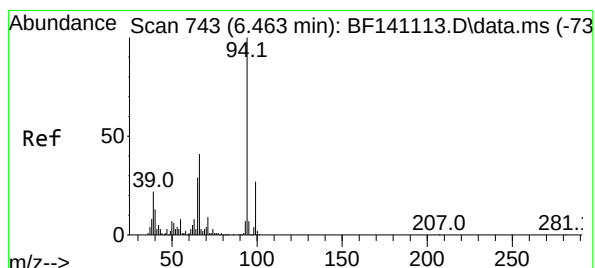
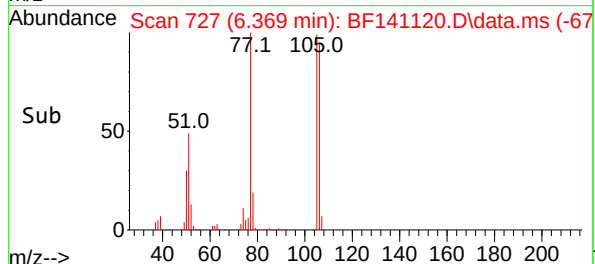
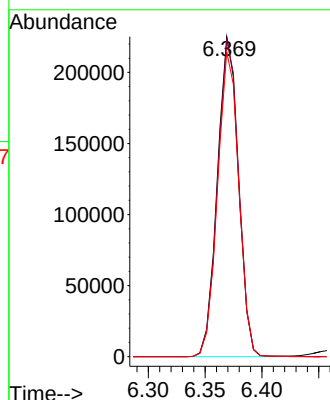
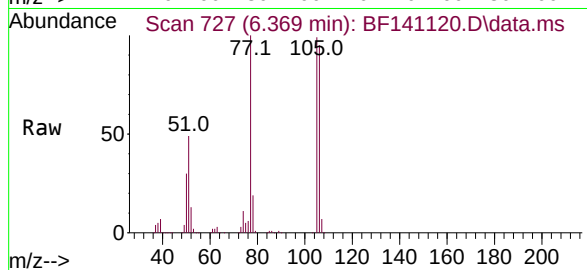
Tgt Ion: 77 Resp: 290165

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

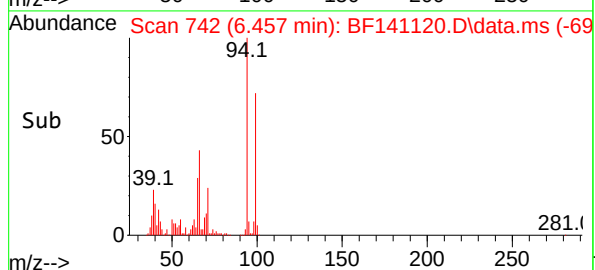
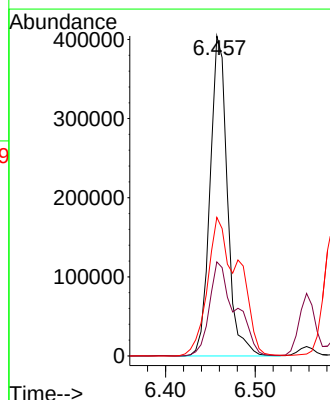
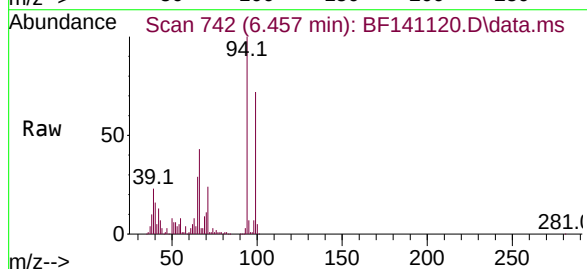
Tgt Ion: 94 Resp: 541991

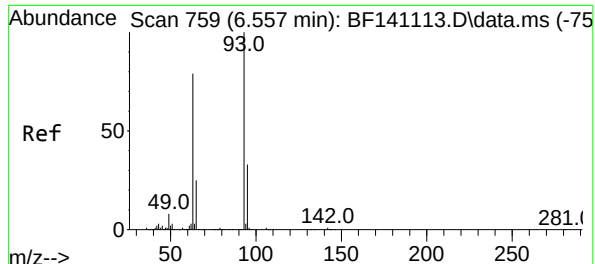
Ion Ratio Lower Upper

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# 759

Delta R.T. -0.000 min

Lab File: BF141120.D

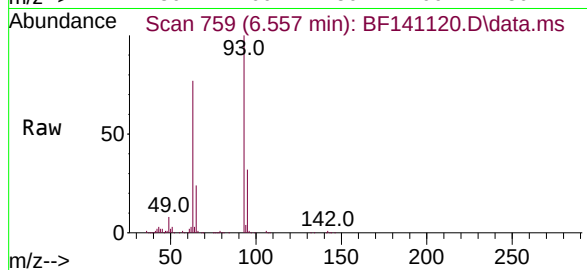
Acq: 10 Jan 2025 18:12

Instrument :

BNA\_F

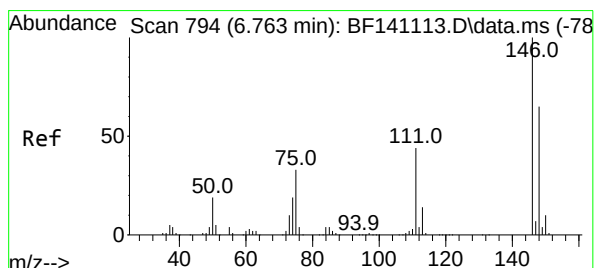
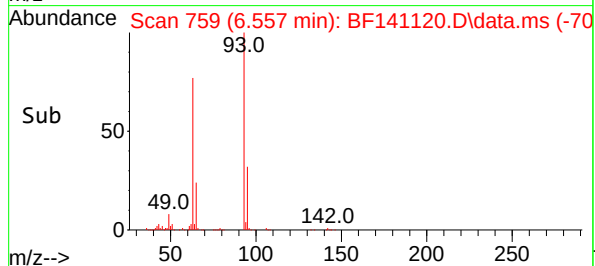
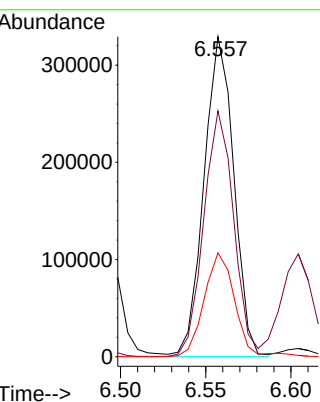
ClientSampleId :

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

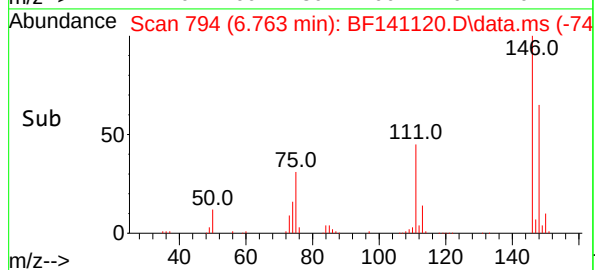
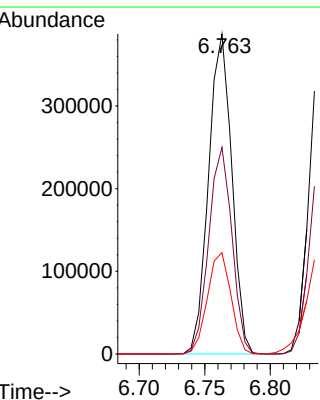
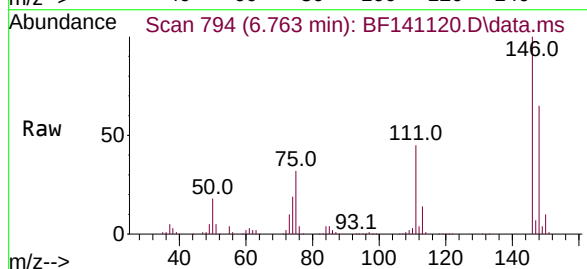
Delta R.T. -0.000 min

Lab File: BF141120.D

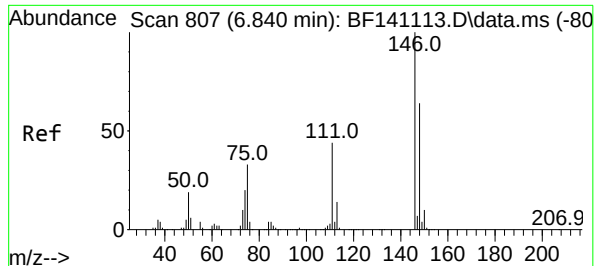
Acq: 10 Jan 2025 18:12

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# 807

Delta R.T. -0.000 min

Lab File: BF141120.D

Acq: 10 Jan 2025 18:12

Instrument :

BNA\_F

ClientSampleId :

ICVBF011025

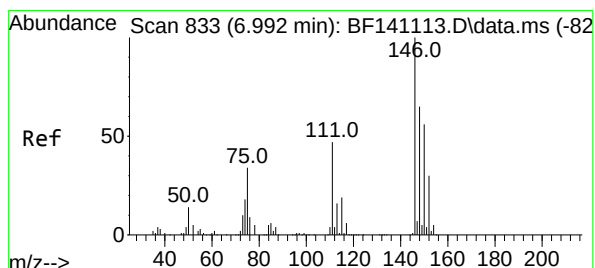
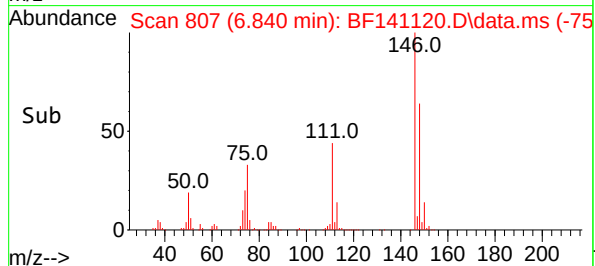
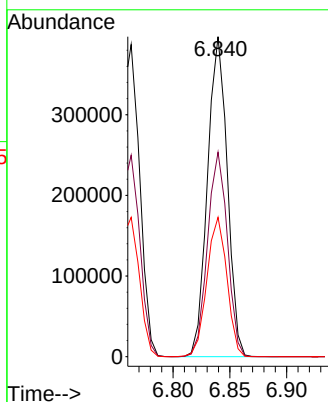
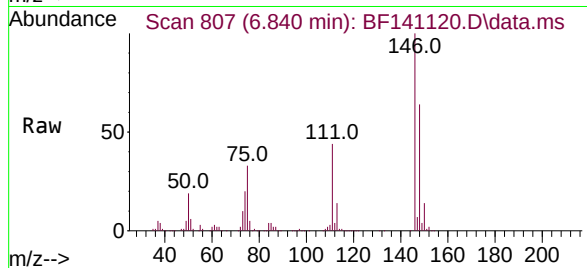
Tgt Ion:146 Resp: 481058

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

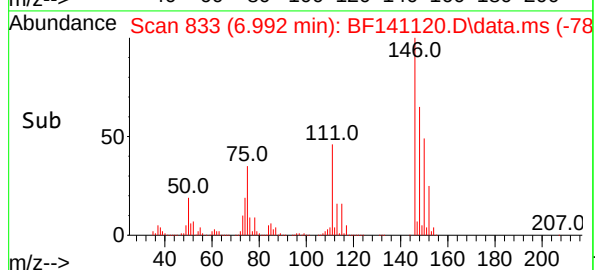
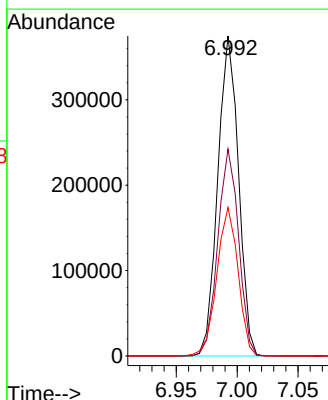
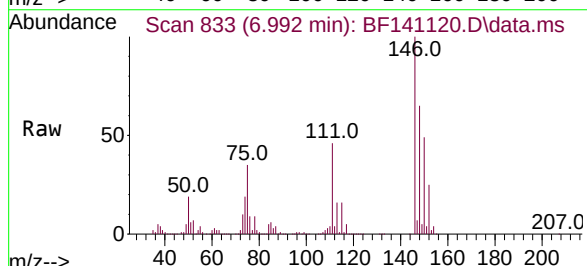
Tgt Ion:146 Resp: 444004

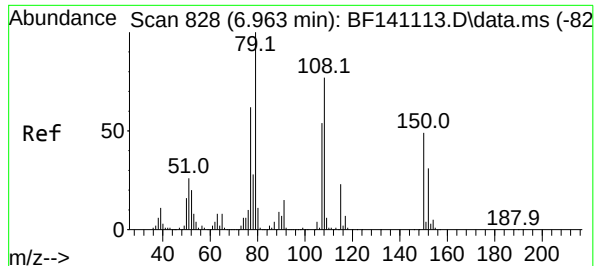
Ion Ratio Lower Upper

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# 81

Delta R.T. -0.006 min

Lab File: BF141120.D

Acq: 10 Jan 2025 18:12

Instrument :

BNA\_F

ClientSampleId :

ICVBF011025

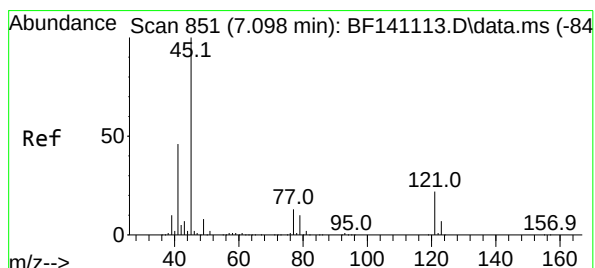
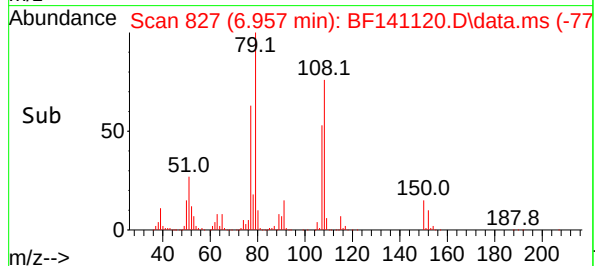
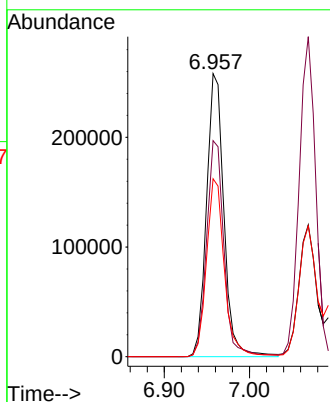
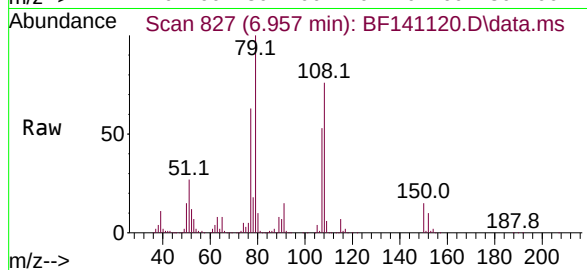
Tgt Ion: 79 Resp: 364926

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

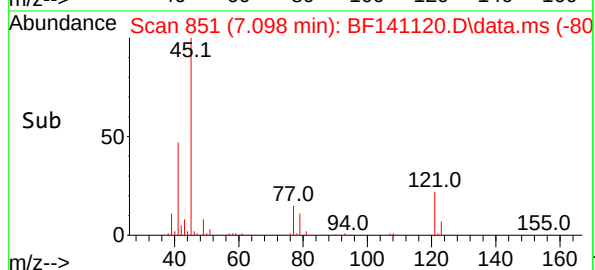
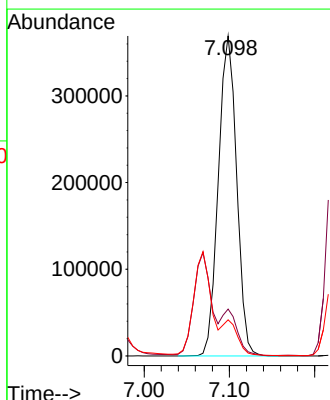
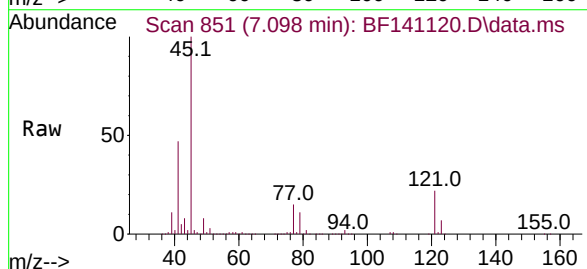
Tgt Ion: 45 Resp: 549884

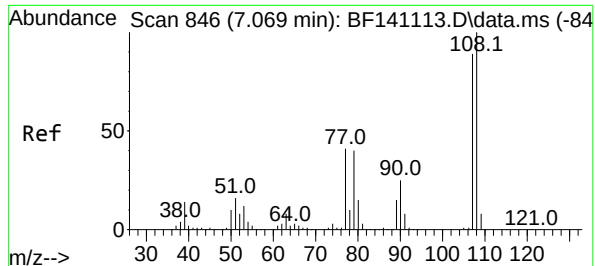
Ion Ratio Lower Upper

45 100

77 14.6 0.0 34.1

79 11.3 0.0 31.0

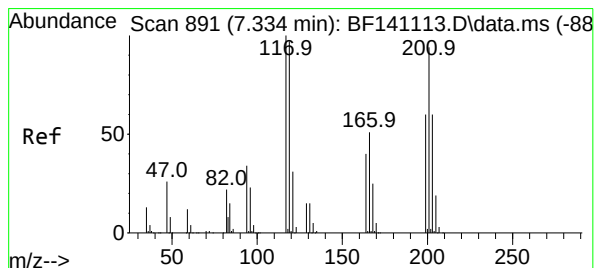
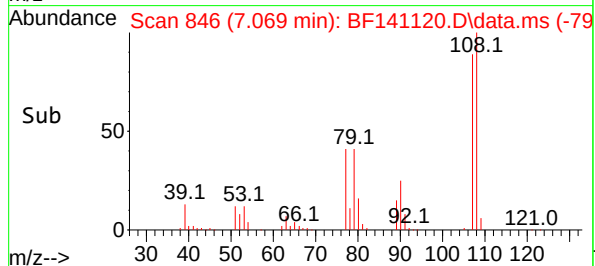
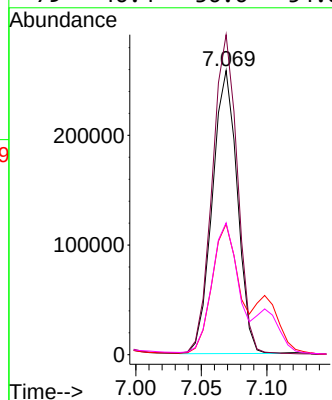
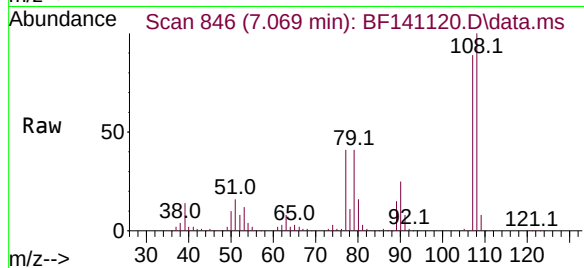




#17  
2-Methylphenol  
Concen: 38.531 ng  
RT: 7.069 min Scan# 846  
Delta R.T. -0.000 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

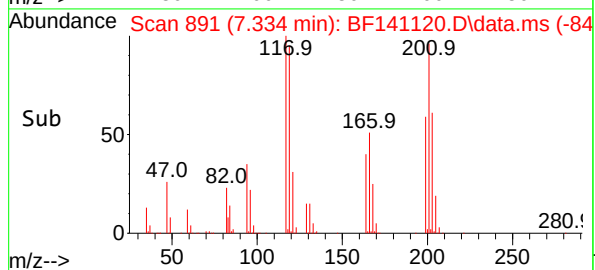
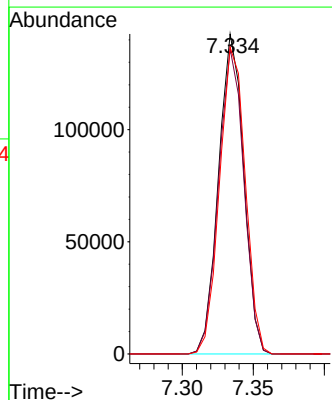
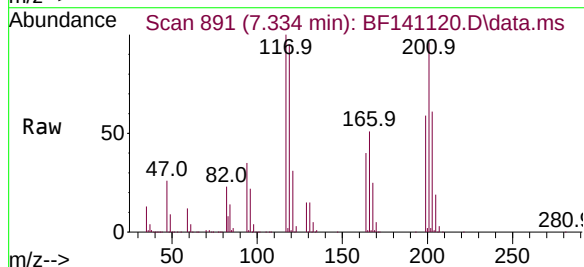
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

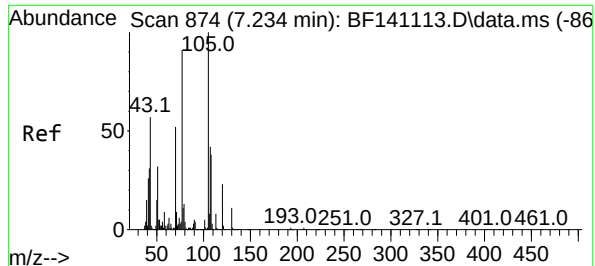
Tgt Ion:107 Resp: 341712  
Ion Ratio Lower Upper  
107 100  
108 112.6 90.1 135.1  
77 46.0 36.6 55.0  
79 46.4 36.6 54.8



#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# 81

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

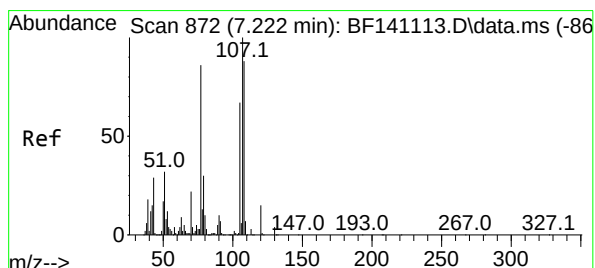
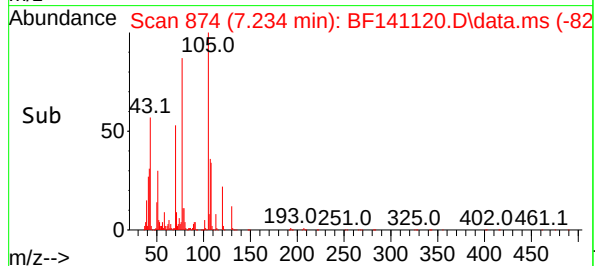
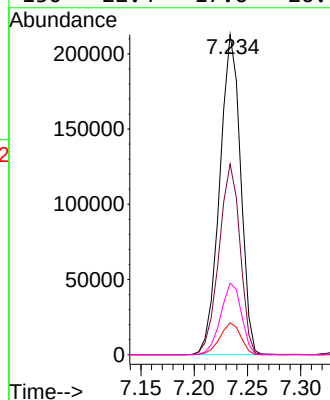
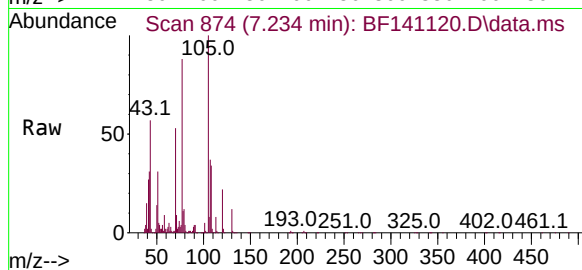
Ion Ratio Lower Upper

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

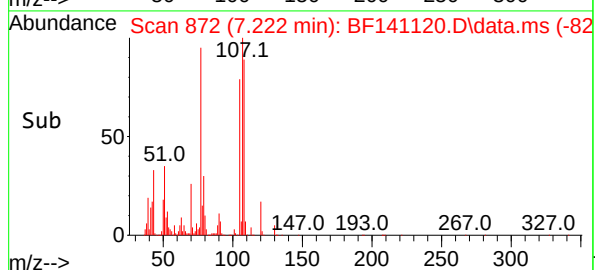
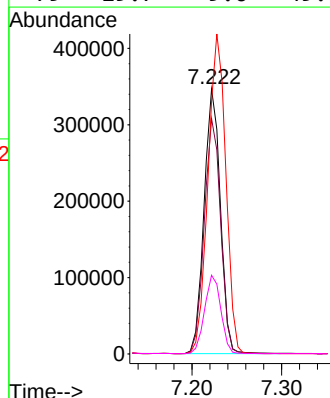
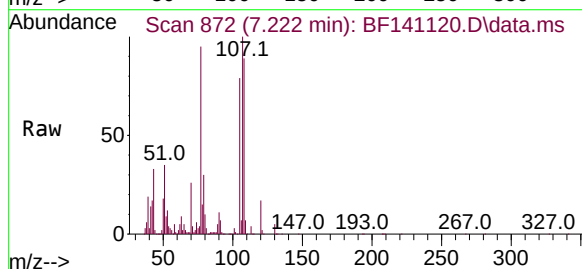
Ion Ratio Lower Upper

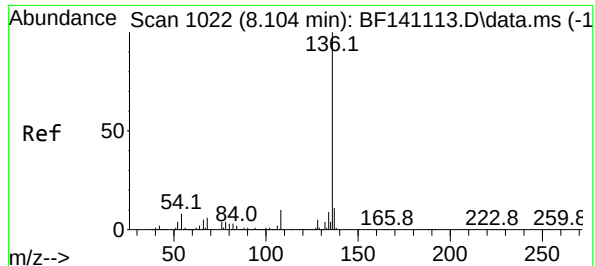
107 100

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

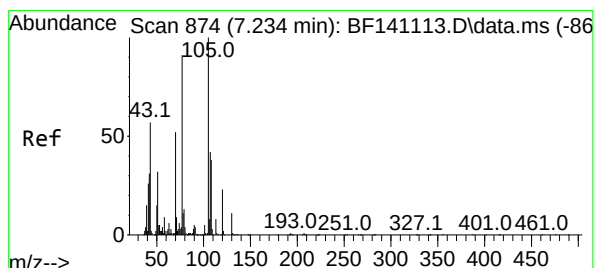
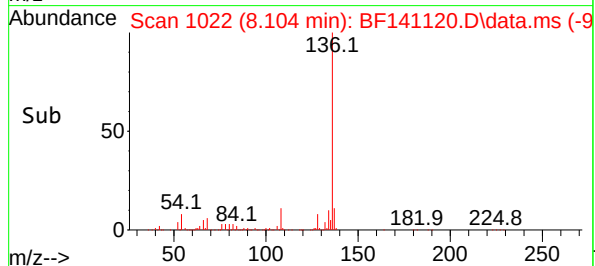
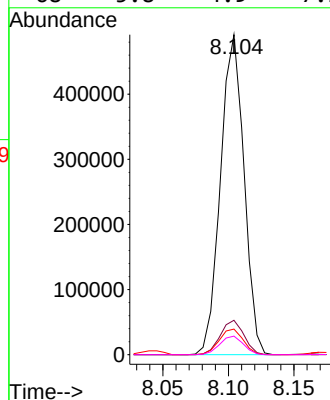
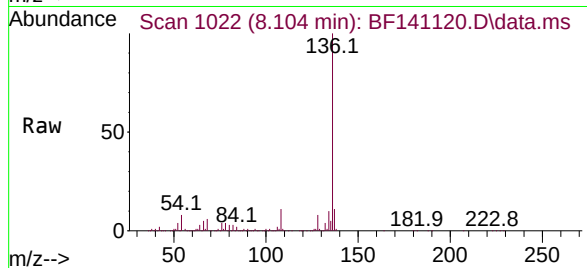
Ion Ratio Lower Upper

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

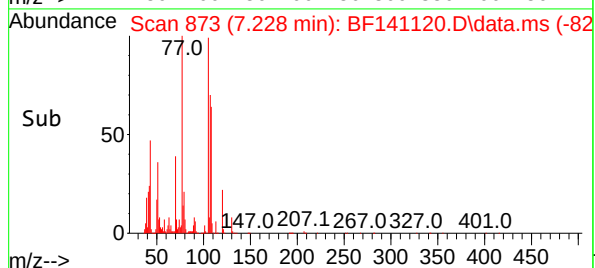
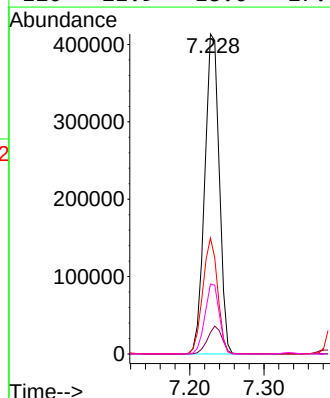
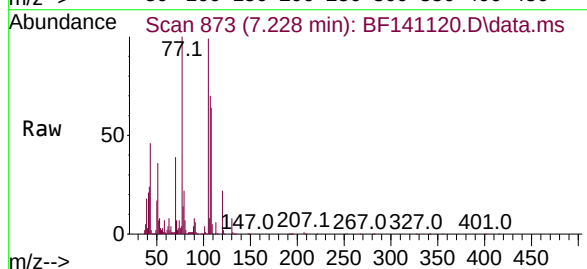
Ion Ratio Lower Upper

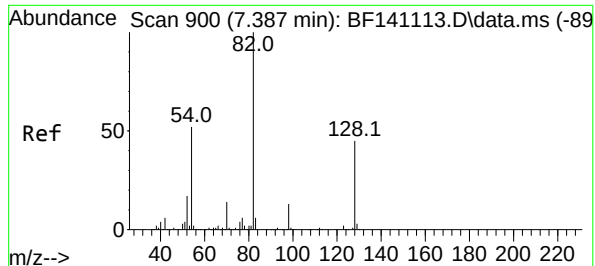
105 100

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# 900

Delta R.T. -0.000 min

Lab File: BF141120.D

Acq: 10 Jan 2025 18:12

Instrument :

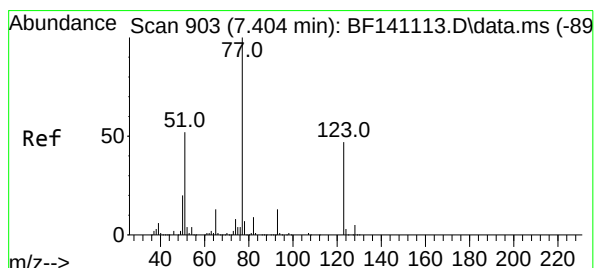
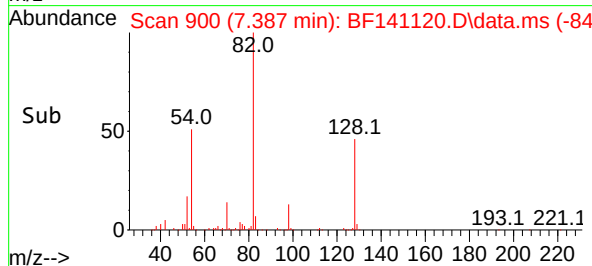
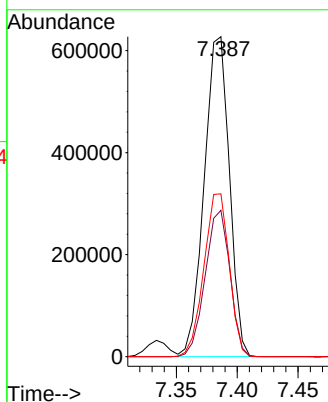
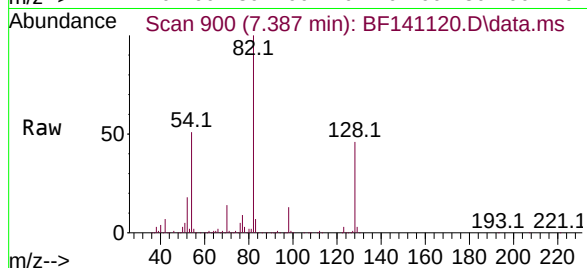
BNA\_F

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

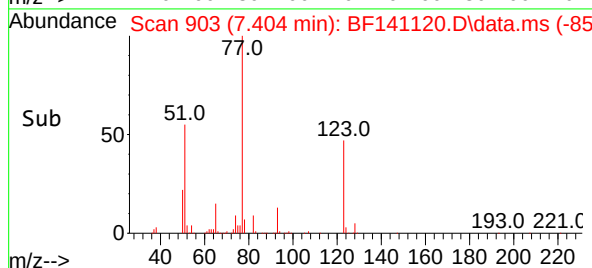
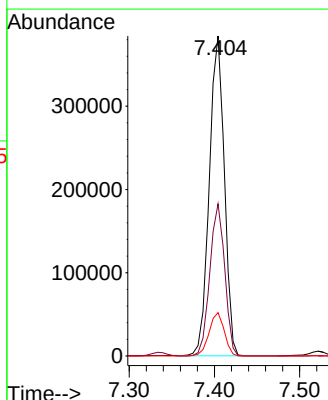
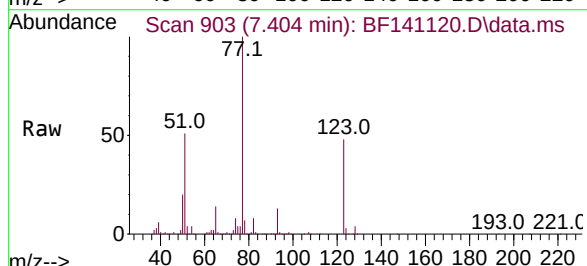
Delta R.T. -0.000 min

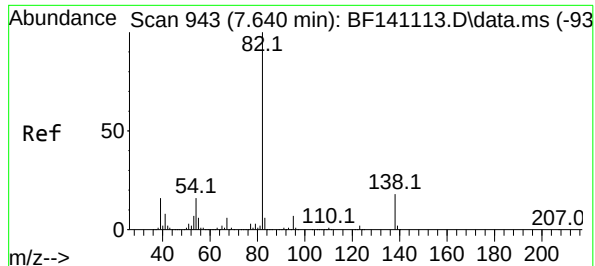
Lab File: BF141120.D

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  |

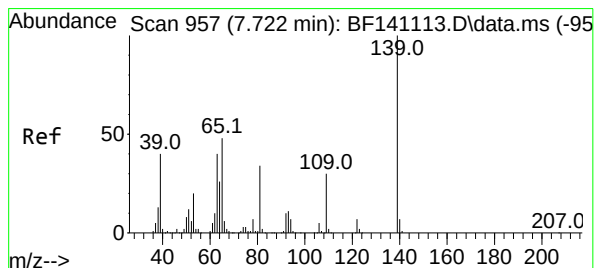
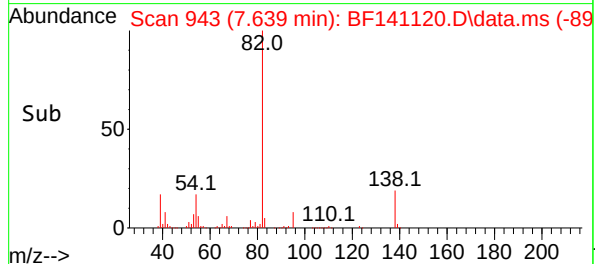
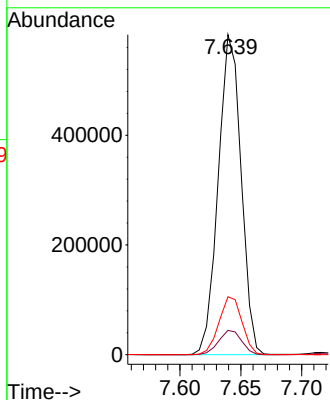
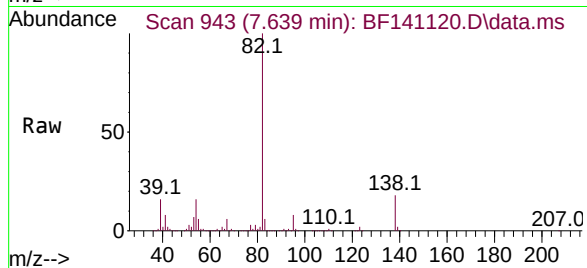




#25  
Isophorone  
Concen: 38.631 ng  
RT: 7.639 min Scan# 943  
Delta R.T. -0.000 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

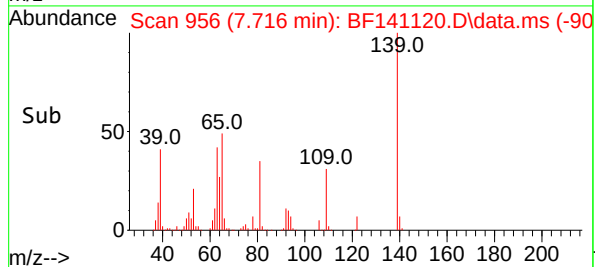
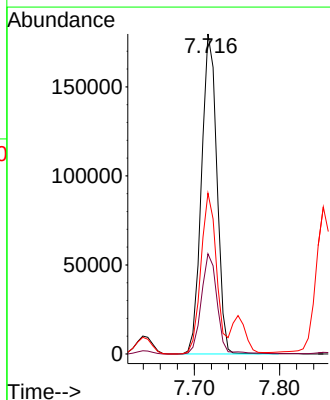
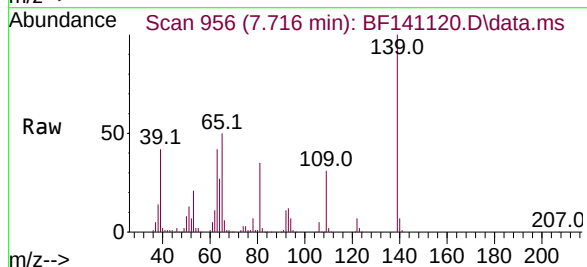
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

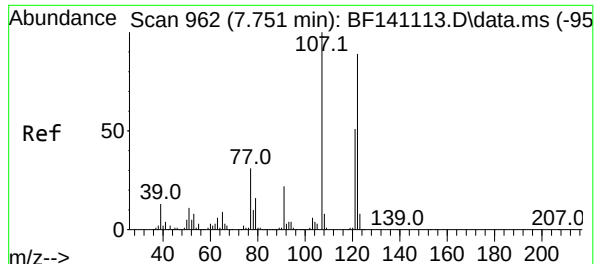
Tgt Ion: 82 Resp: 762772  
Ion Ratio Lower Upper  
82 100  
95 7.6 5.9 8.9  
138 18.1 14.2 21.2



#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# 962

Delta R.T. -0.000 min

Lab File: BF141120.D

Acq: 10 Jan 2025 18:12

Instrument :

BNA\_F

ClientSampleId :

ICVBF011025

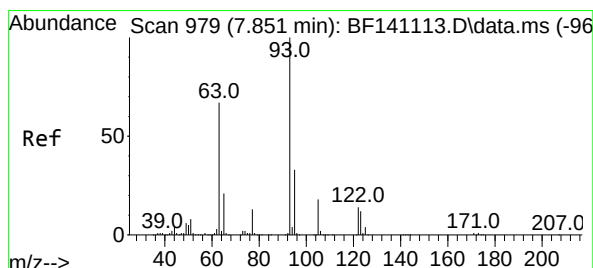
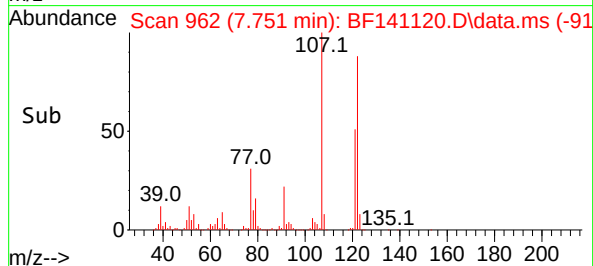
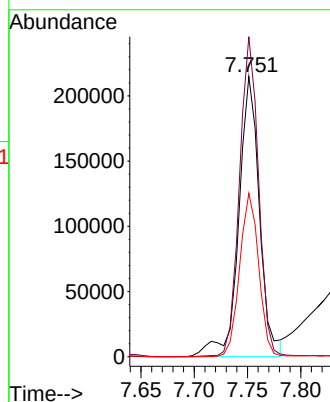
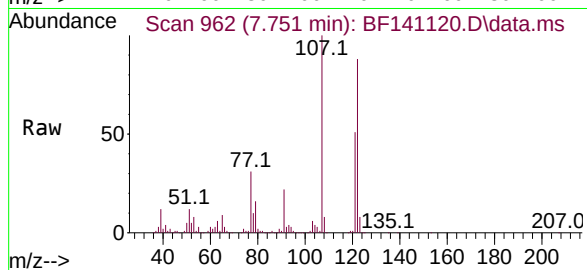
Tgt Ion:122 Resp: 291335

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

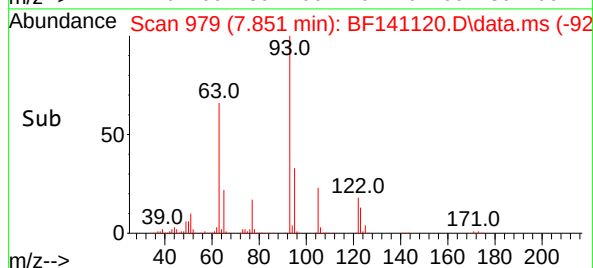
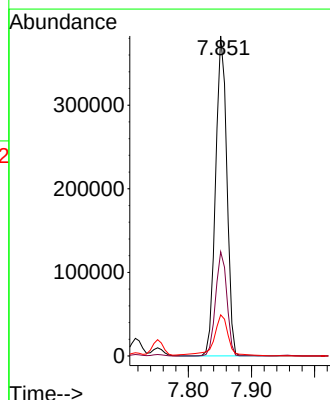
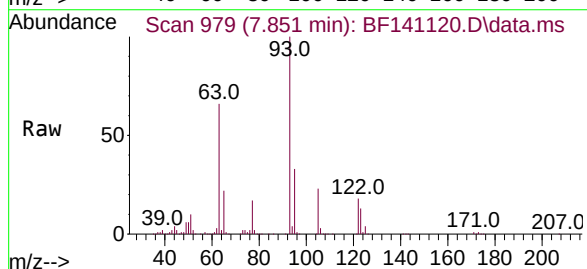
Tgt Ion: 93 Resp: 473792

Ion Ratio Lower Upper

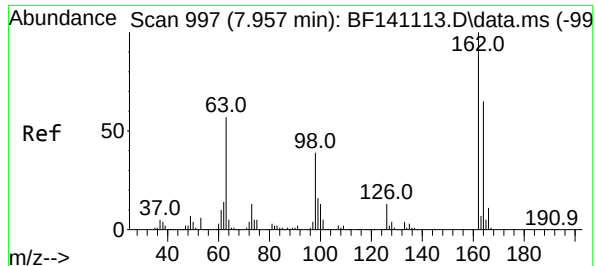
93 100

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# 997

Delta R.T. -0.000 min

Lab File: BF141120.D

Acq: 10 Jan 2025 18:12

Instrument :

BNA\_F

ClientSampleId :

ICVBF011025

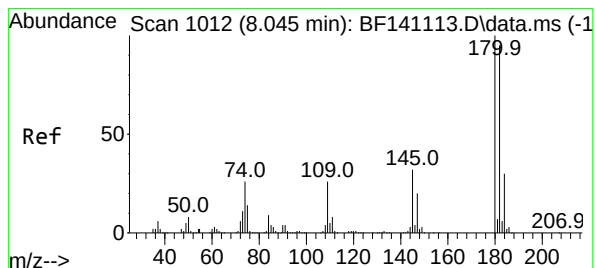
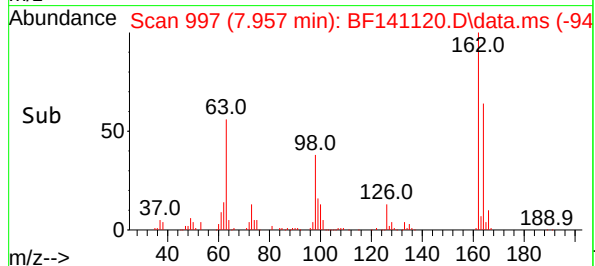
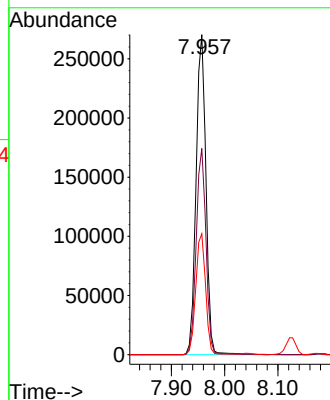
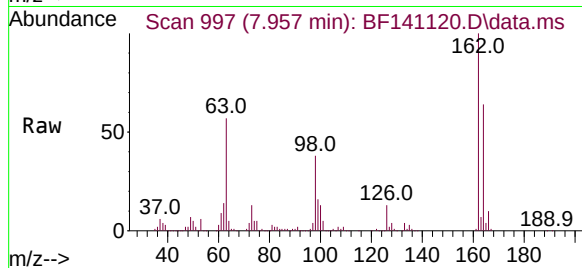
Tgt Ion:162 Resp: 347943

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

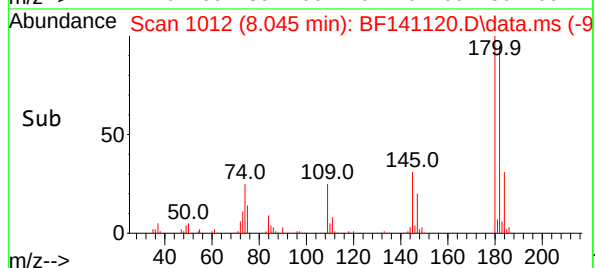
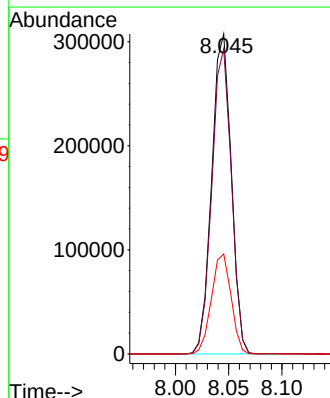
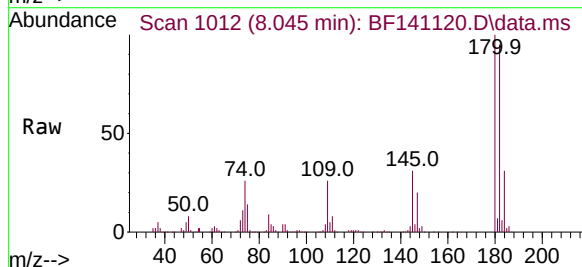
Tgt Ion:180 Resp: 391725

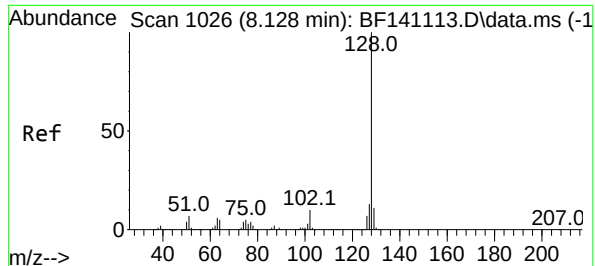
Ion Ratio Lower Upper

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

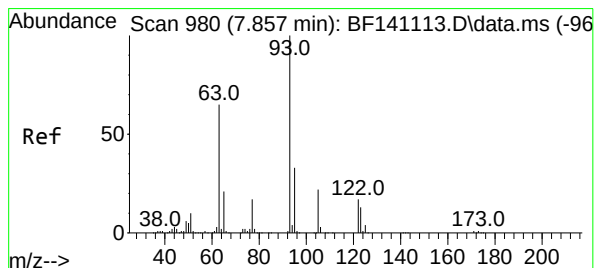
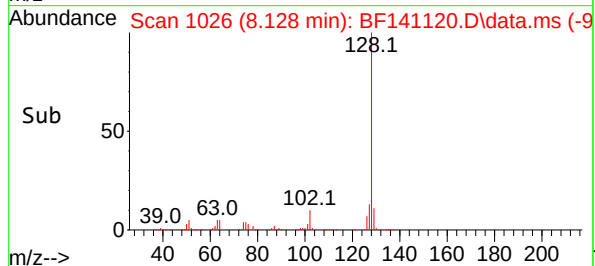
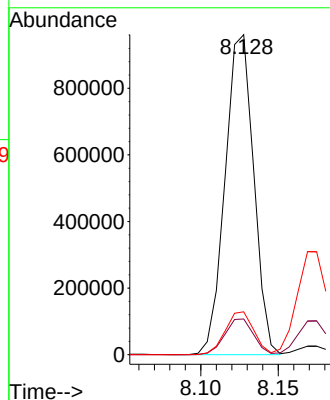
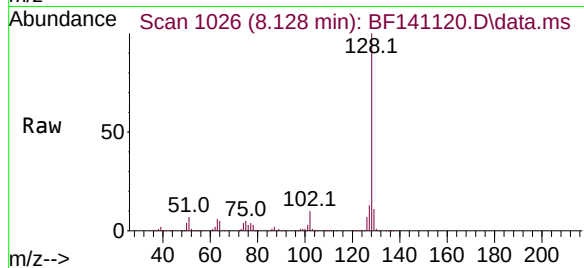
Tgt Ion:128 Resp: 1234761

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

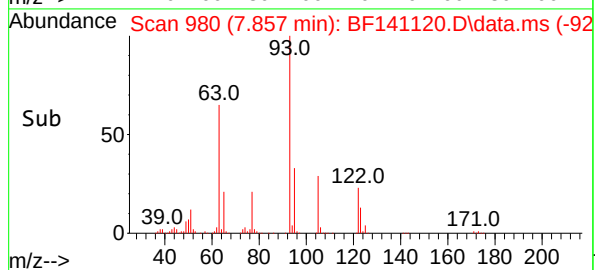
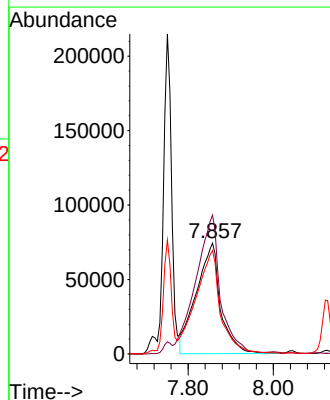
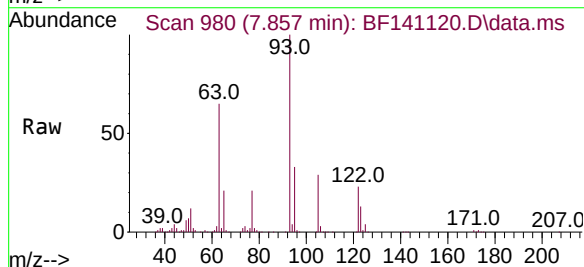
Tgt Ion:122 Resp: 293529

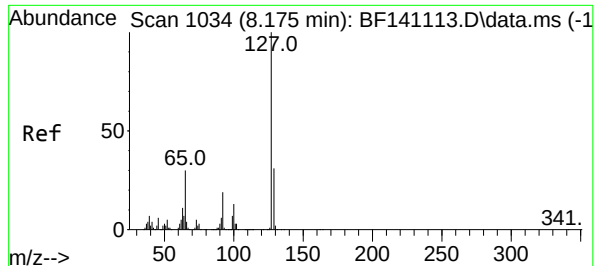
Ion Ratio Lower Upper

122 100

105 125.3 105.5 145.5

77 93.4 75.1 115.1

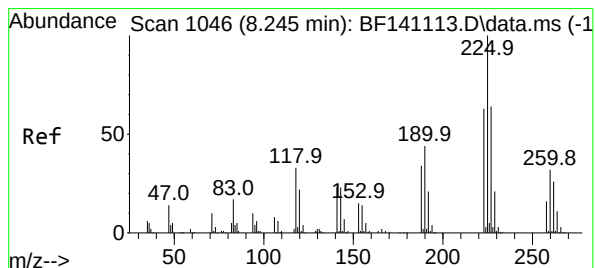
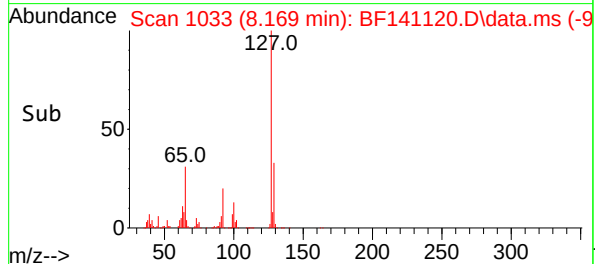
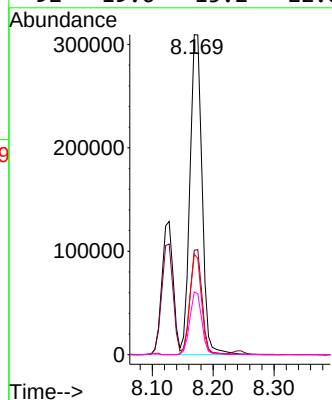
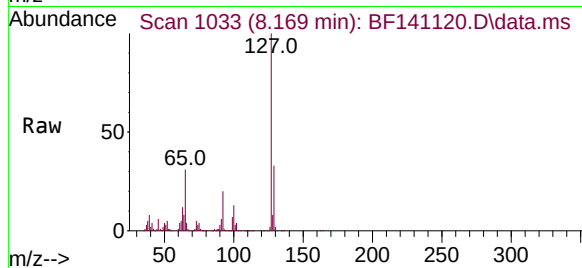




#33  
4-Chloroaniline  
Concen: 38.252 ng  
RT: 8.169 min Scan# 1033  
Delta R.T. -0.006 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

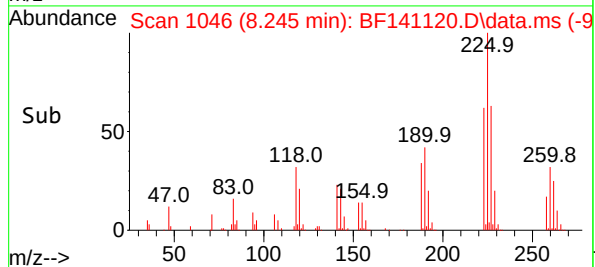
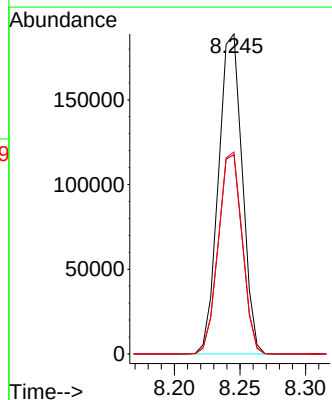
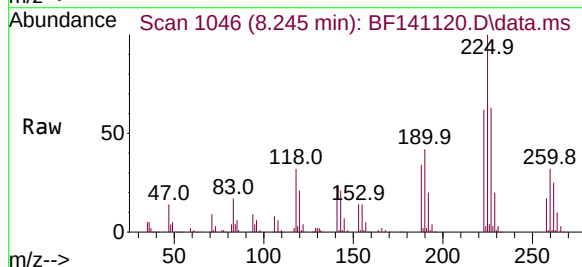
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

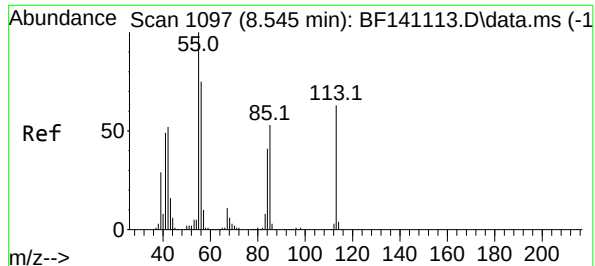
|             |              |
|-------------|--------------|
| Tgt Ion:127 | Resp: 427268 |
| Ion Ratio   | Lower Upper  |
| 127 100     |              |
| 129 32.7    | 25.9 38.9    |
| 65 31.4     | 23.8 35.8    |
| 92 19.6     | 15.2 22.8    |



#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

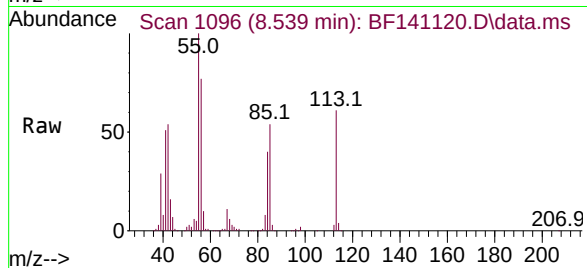
|             |              |
|-------------|--------------|
| Tgt Ion:225 | Resp: 238001 |
| Ion Ratio   | Lower Upper  |
| 225 100     |              |
| 223 62.3    | 50.6 76.0    |
| 227 63.1    | 51.6 77.4    |



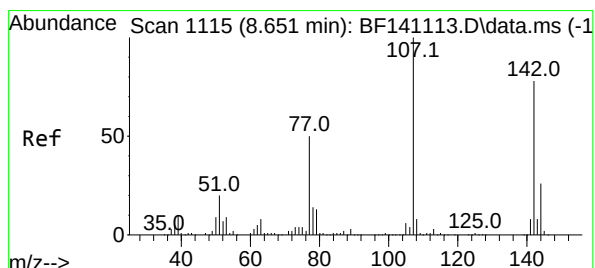
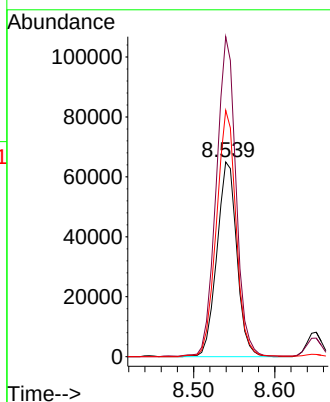
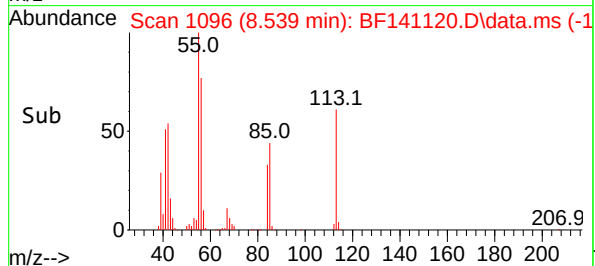


#35  
Caprolactam  
Concen: 38.578 ng  
RT: 8.539 min Scan# 1096  
Delta R.T. -0.006 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

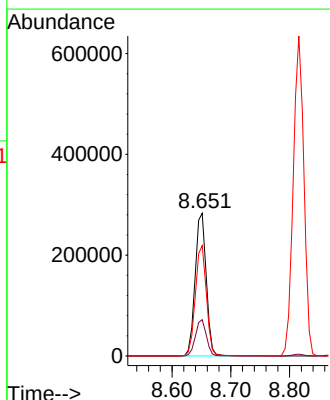
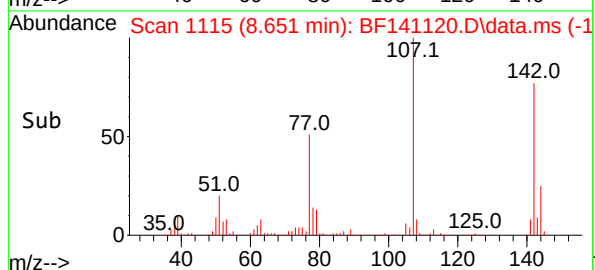
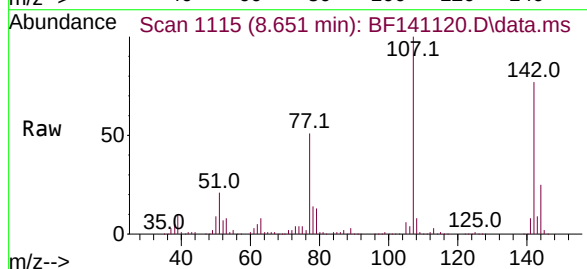


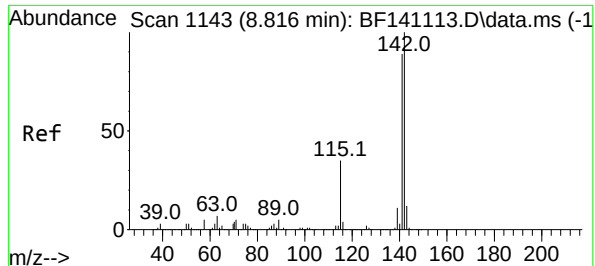
Tgt Ion:113 Resp: 110830  
Ion Ratio Lower Upper  
113 100  
55 164.3 139.7 179.7  
56 126.5 99.4 139.4



#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# 1143

Delta R.T. -0.000 min

Lab File: BF141120.D

Acq: 10 Jan 2025 18:12

Instrument :

BNA\_F

ClientSampleId :

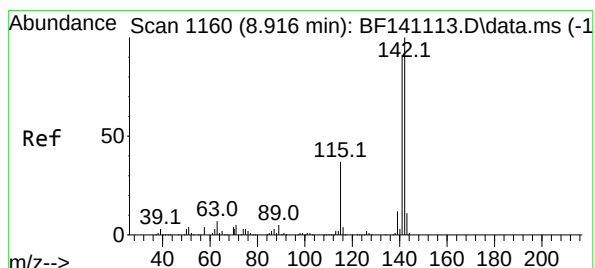
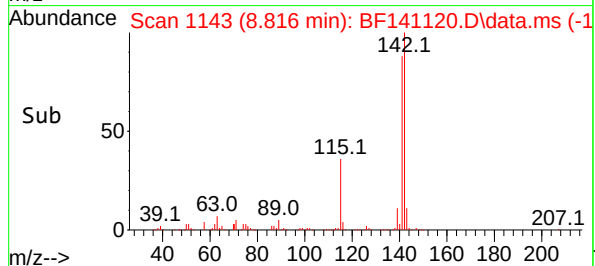
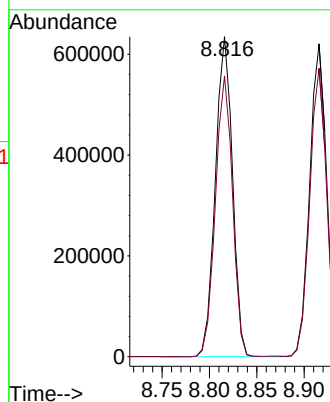
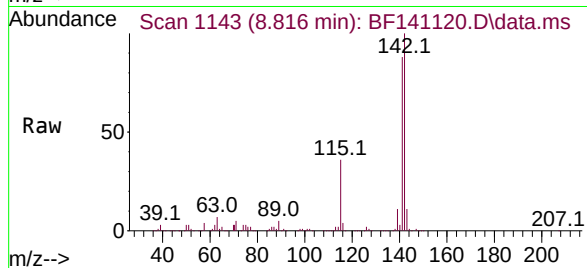
ICVBF011025

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

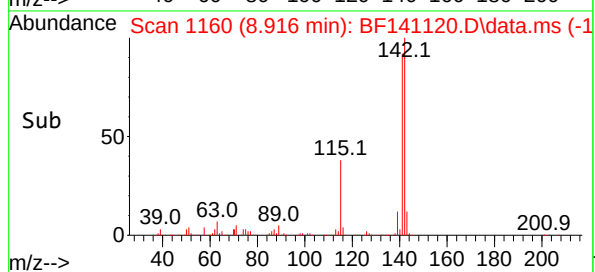
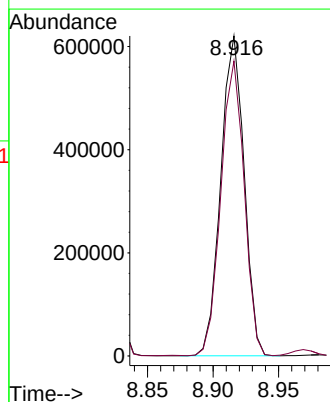
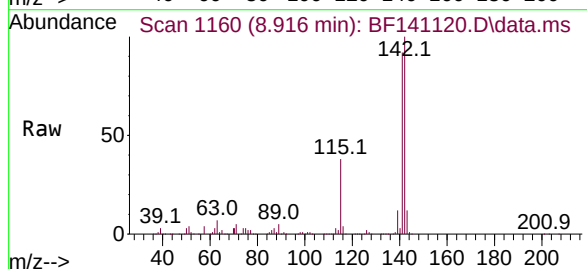
Acq: 10 Jan 2025 18:12

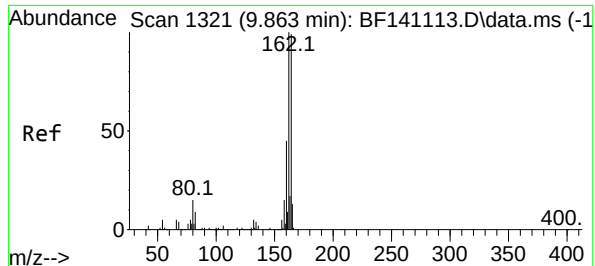
Tgt Ion:142 Resp: 767986

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# 11

Delta R.T. -0.006 min

Lab File: BF141120.D

Acq: 10 Jan 2025 18:12

Instrument :

BNA\_F

ClientSampleId :

ICVBF011025

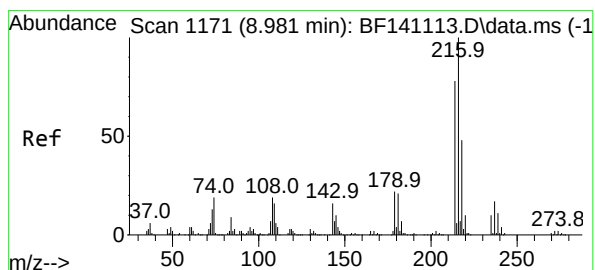
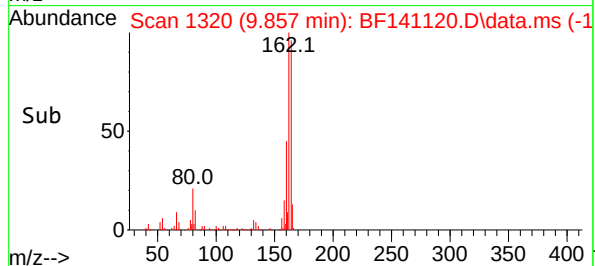
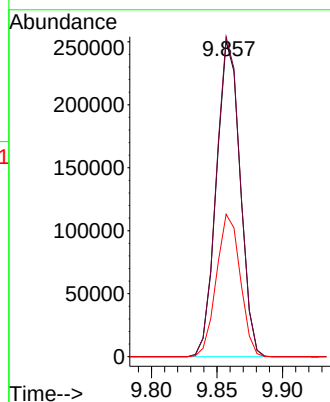
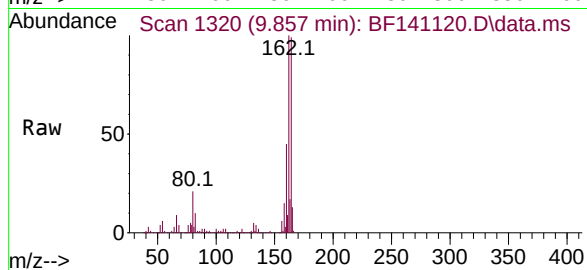
Tgt Ion:164 Resp: 314997

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

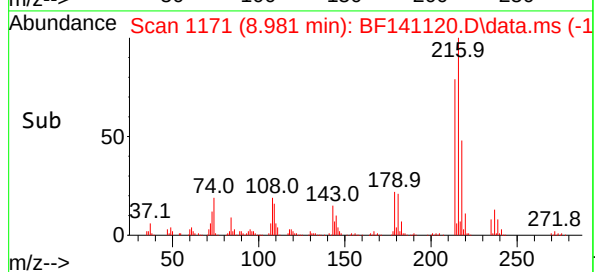
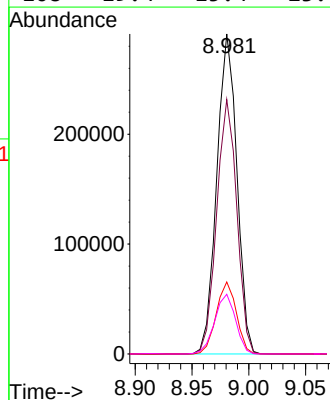
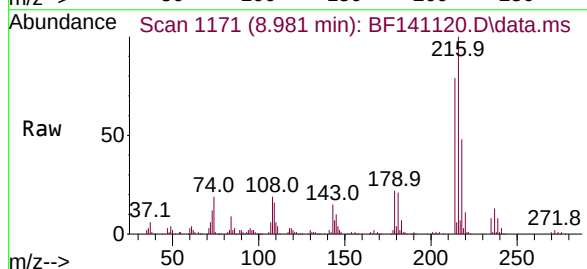
Ion Ratio Lower Upper

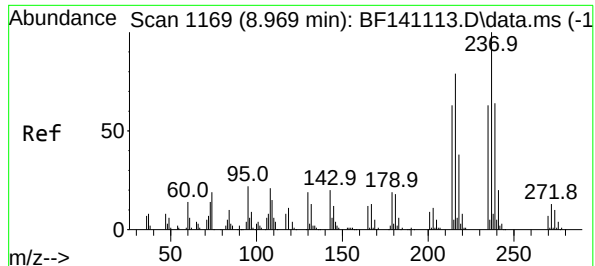
216 100

214 79.3 62.6 94.0

179 22.5 17.7 26.5

108 19.4 15.4 23.0

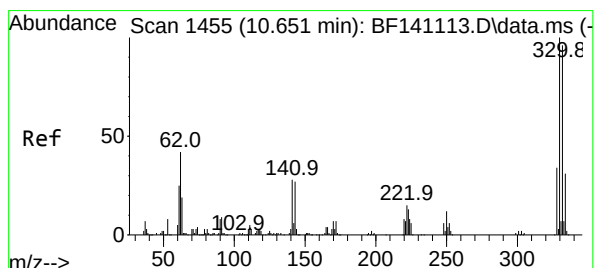
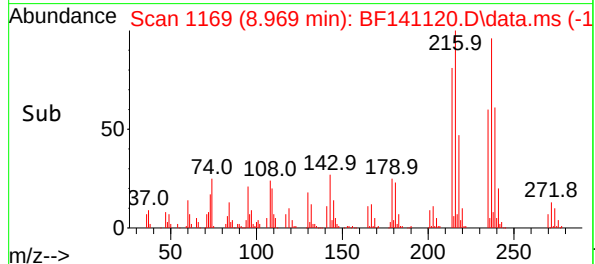
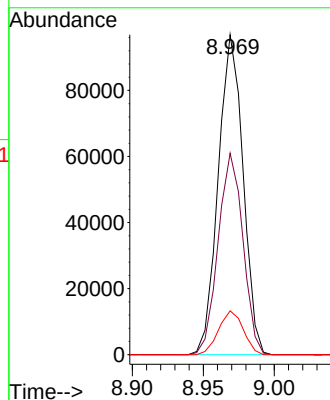
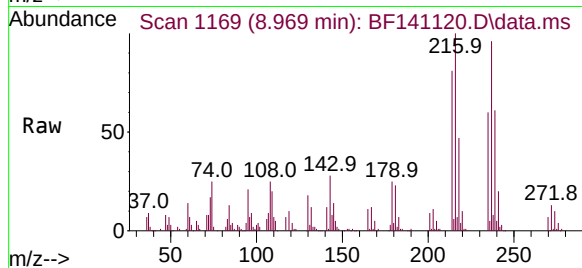




#41  
Hexachlorocyclopentadiene  
Concen: 39.744 ng  
RT: 8.969 min Scan# 1169  
Delta R.T. -0.000 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

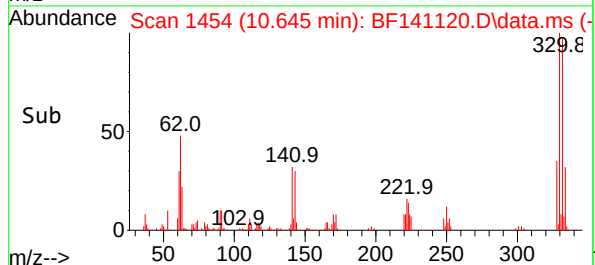
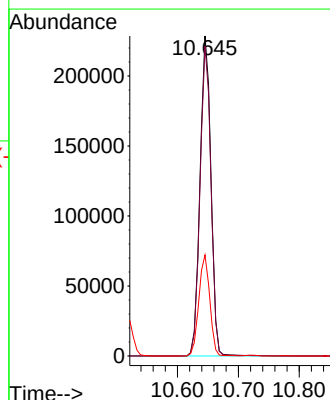
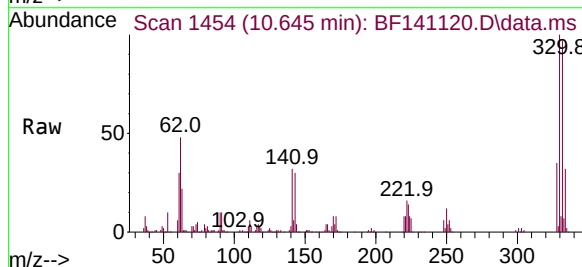
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

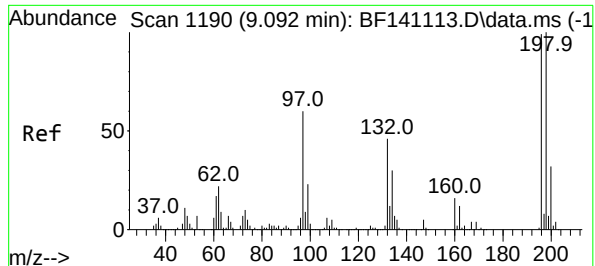
Tgt Ion:237 Resp: 117559  
Ion Ratio Lower Upper  
237 100  
235 63.0 43.0 83.0  
272 13.7 0.0 33.0



#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# 1190

Delta R.T. -0.000 min

Lab File: BF141120.D

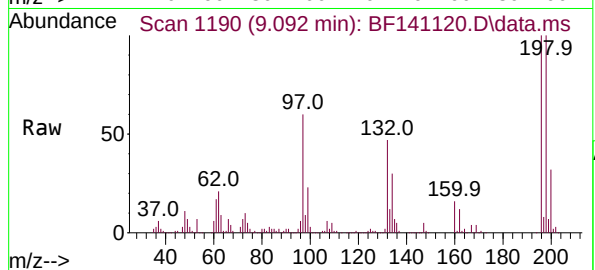
Acq: 10 Jan 2025 18:12

Instrument :

BNA\_F

ClientSampleId :

ICVBF011025



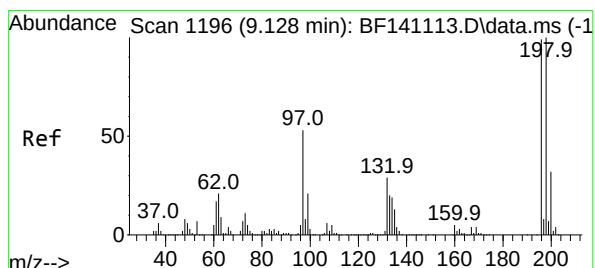
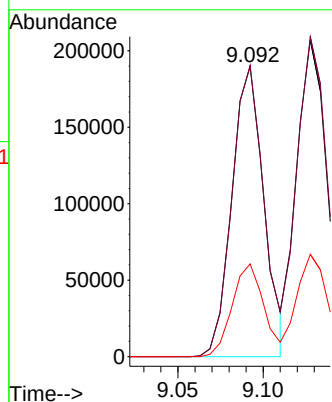
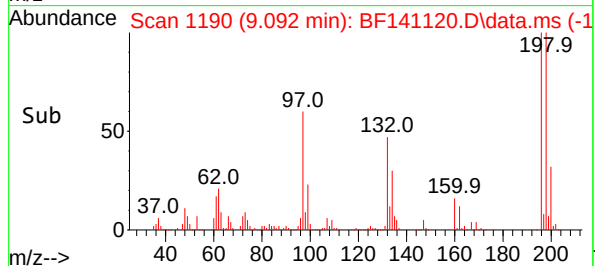
Tgt Ion:196 Resp: 246797

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

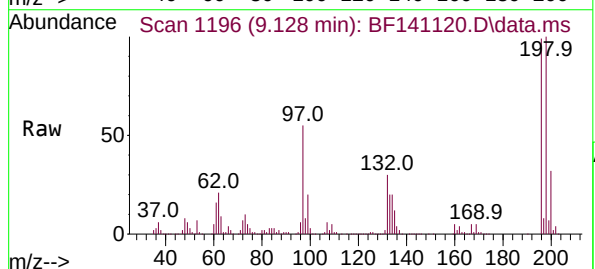
Concen: 40.064 ng

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

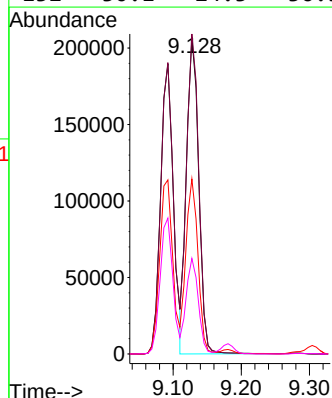
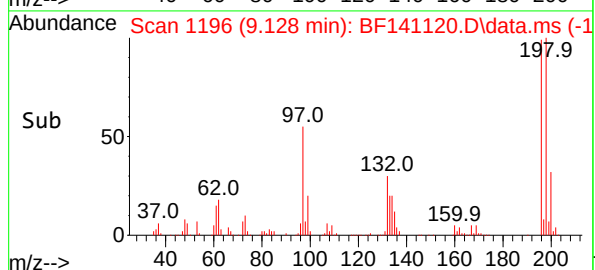
Ion Ratio Lower Upper

196 100

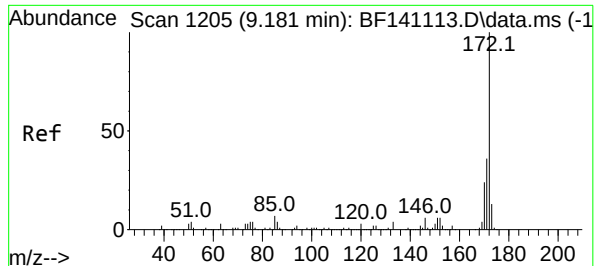
198 101.0 80.6 120.8

97 55.3 43.1 64.7

132 30.1 24.3 36.5



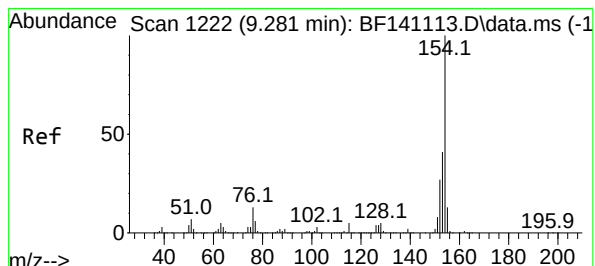
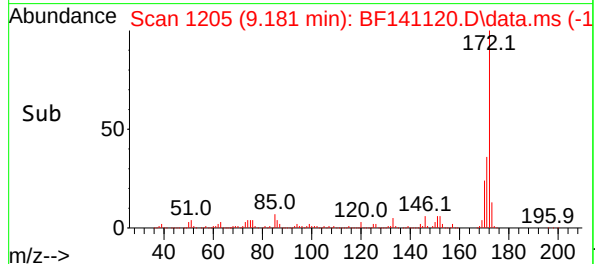
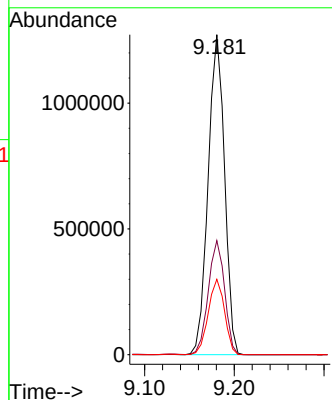
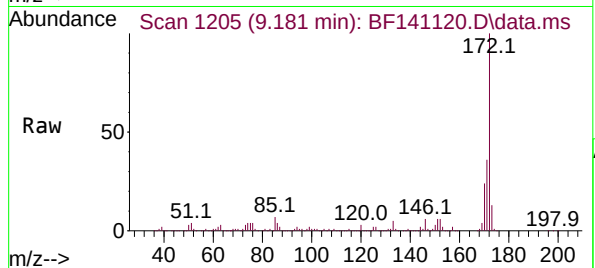




#45  
2-Fluorobiphenyl  
Concen: 78.281 ng  
RT: 9.181 min Scan# 1205  
Delta R.T. -0.000 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

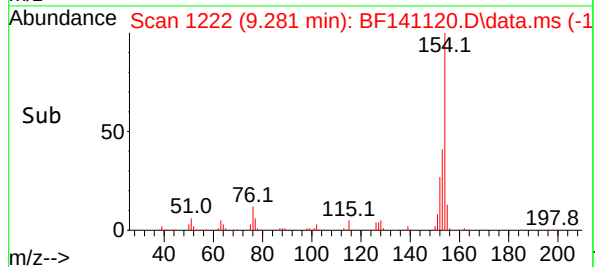
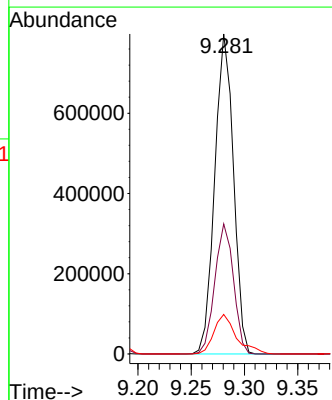
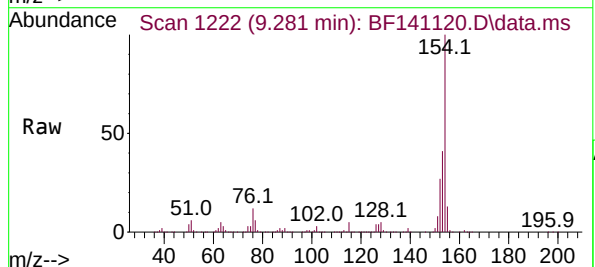
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

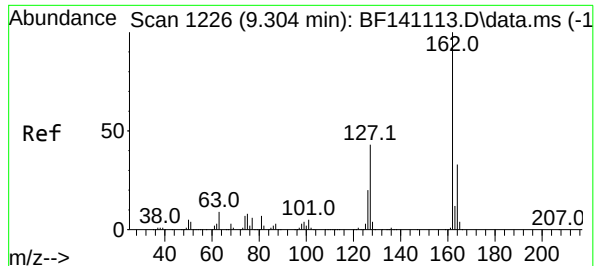
Tgt Ion:172 Resp: 1614765  
Ion Ratio Lower Upper  
172 100  
171 35.7 28.7 43.1  
170 23.6 19.0 28.6



#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# 11

Delta R.T. -0.000 min

Lab File: BF141120.D

Acq: 10 Jan 2025 18:12

Instrument :

BNA\_F

ClientSampleId :

ICVBF011025

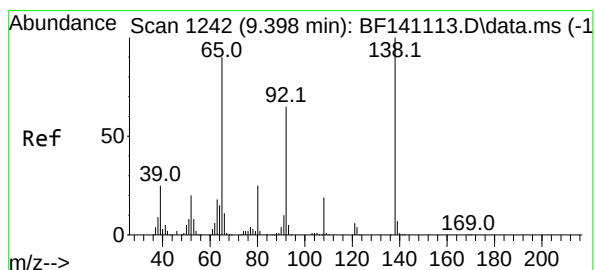
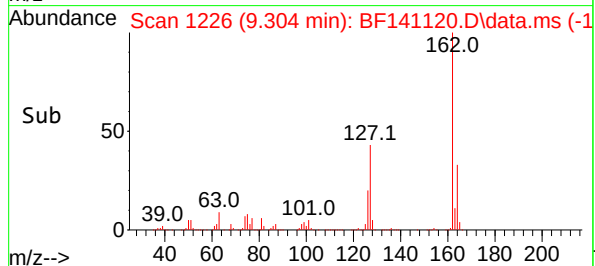
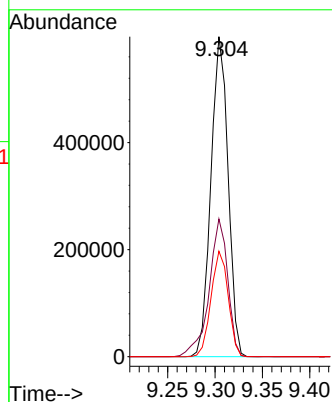
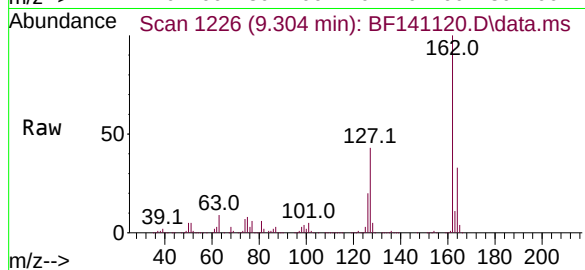
Tgt Ion:162 Resp: 752248

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

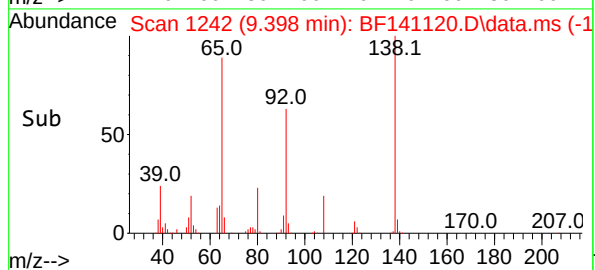
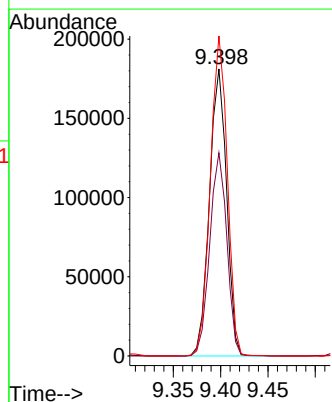
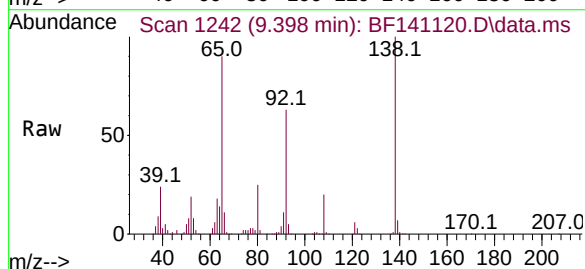
Tgt Ion: 65 Resp: 227785

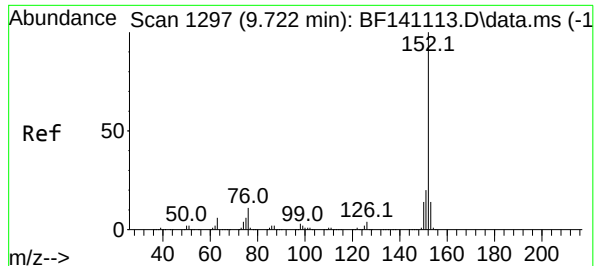
Ion Ratio Lower Upper

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# 1297

Delta R.T. -0.000 min

Lab File: BF141120.D

Acq: 10 Jan 2025 18:12

Instrument :

BNA\_F

ClientSampleId :

ICVBF011025

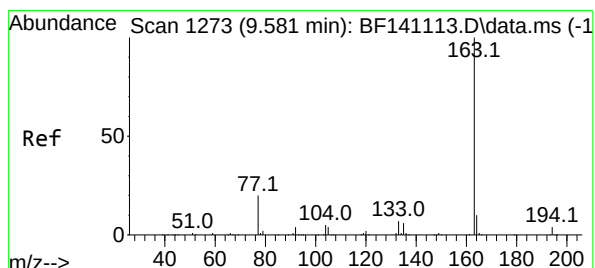
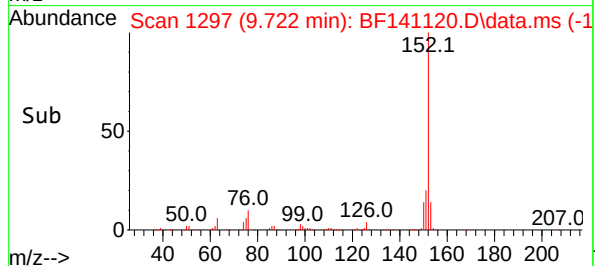
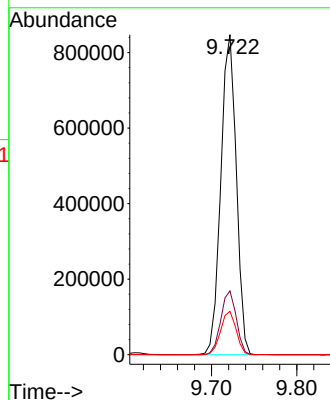
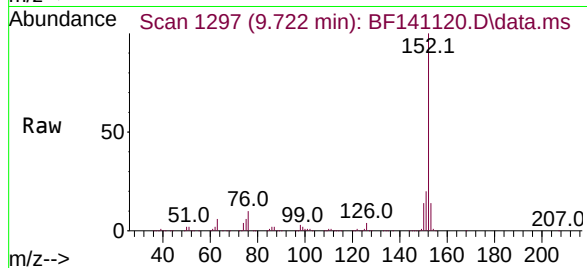
Tgt Ion:152 Resp: 1071325

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

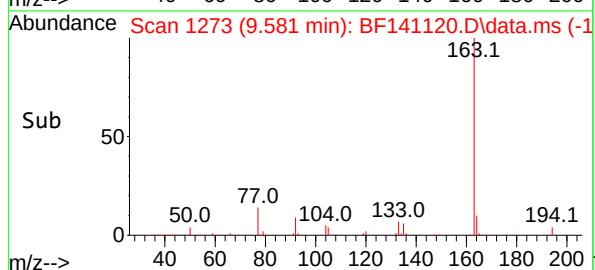
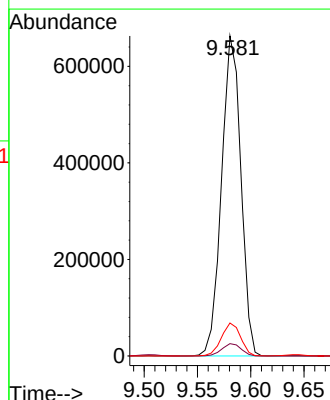
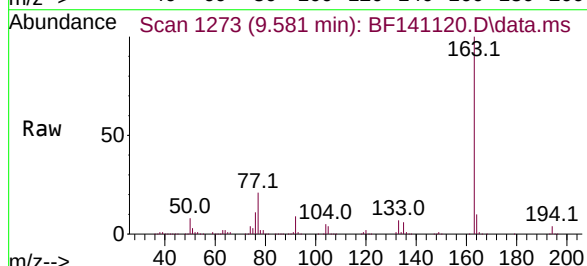
Tgt Ion:163 Resp: 835630

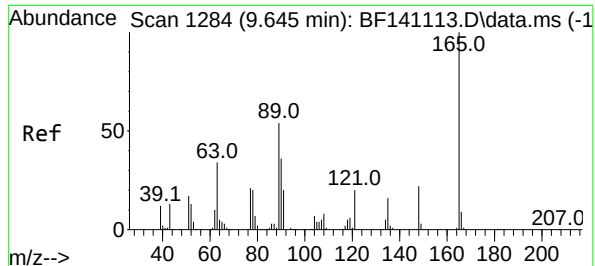
Ion Ratio Lower Upper

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

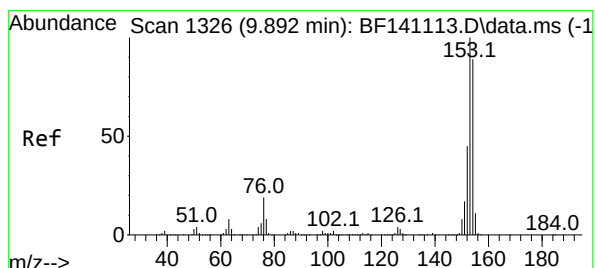
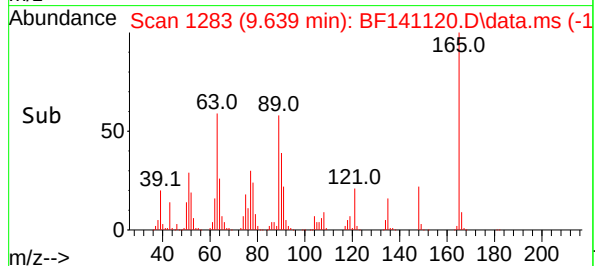
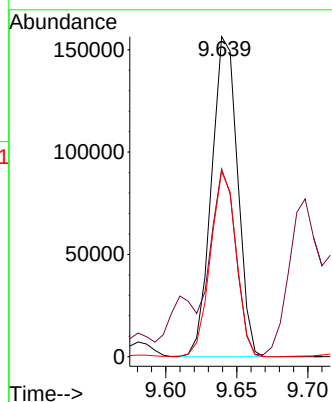
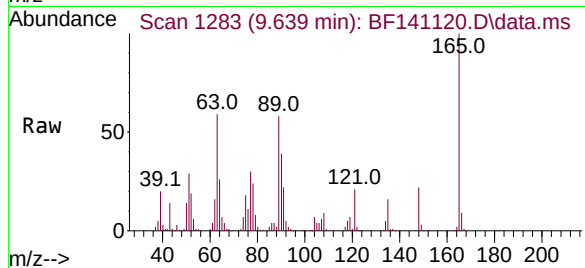
Tgt Ion:165 Resp: 199428

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

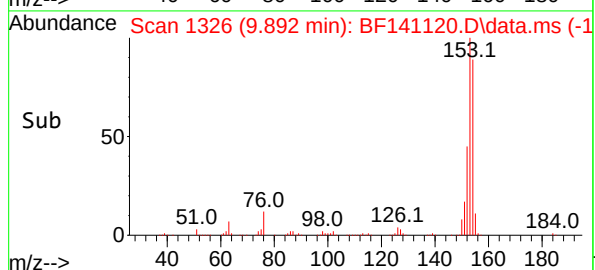
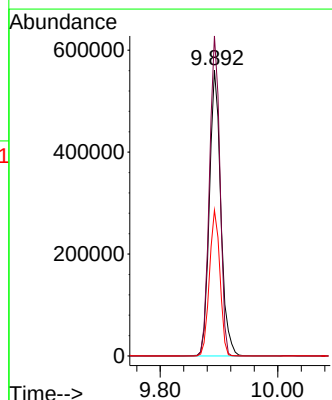
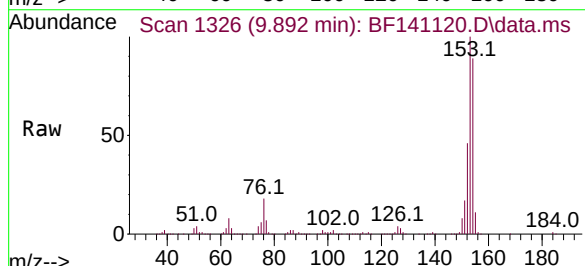
Tgt Ion:154 Resp: 753339

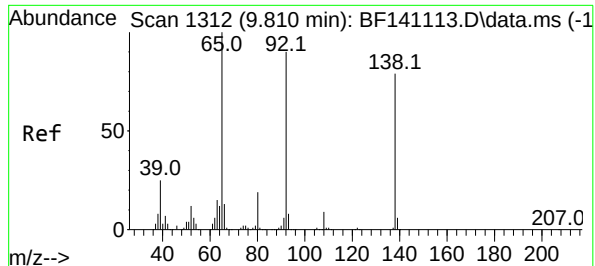
Ion Ratio Lower Upper

154 100

153 112.0 89.8 134.6

152 51.0 40.8 61.2

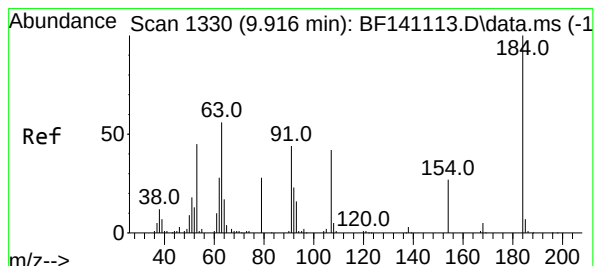
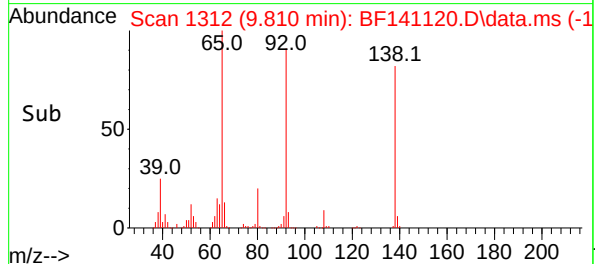
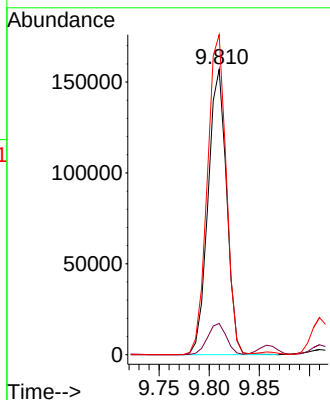
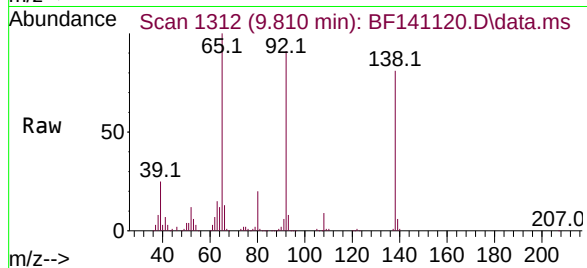




#53  
3-Nitroaniline  
Concen: 40.360 ng  
RT: 9.810 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

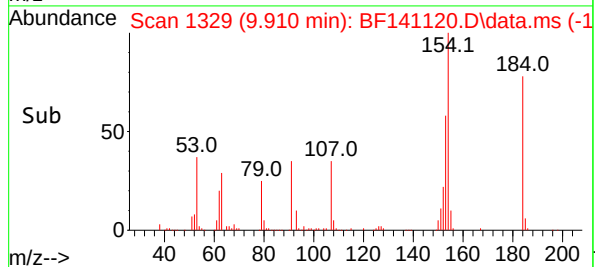
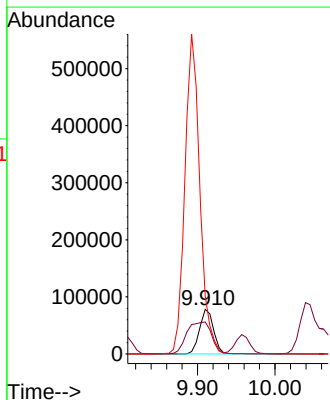
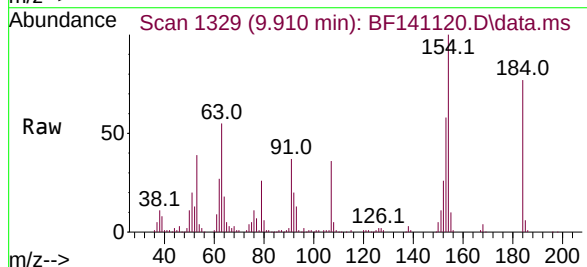
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

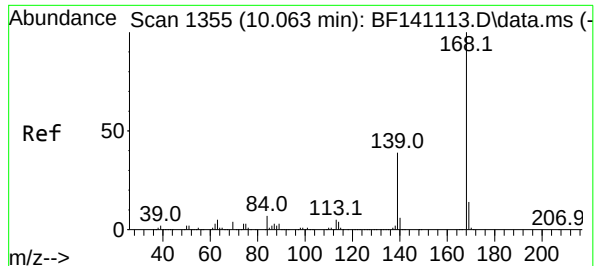
Tgt Ion:138 Resp: 201692  
Ion Ratio Lower Upper  
138 100  
108 10.9 8.8 13.2  
92 112.1 91.3 136.9



#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#

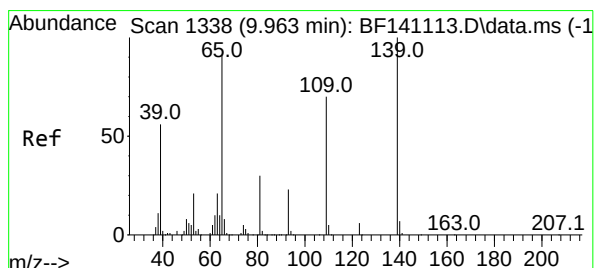
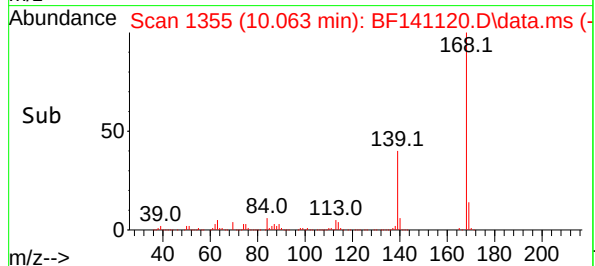
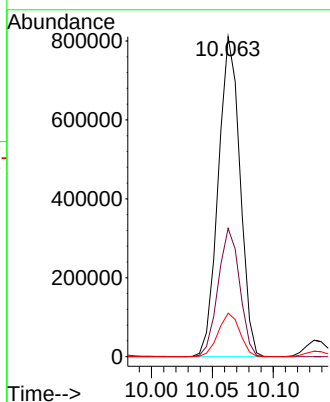
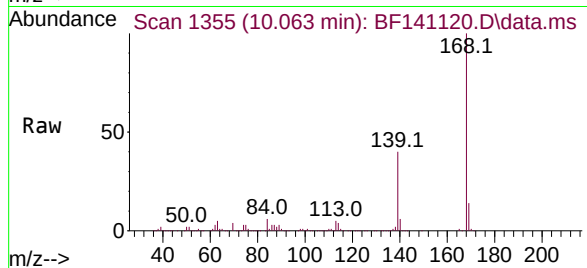




#55  
Dibenzenofuran  
Concen: 38.957 ng  
RT: 10.063 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

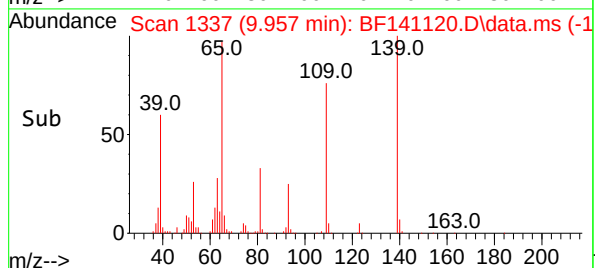
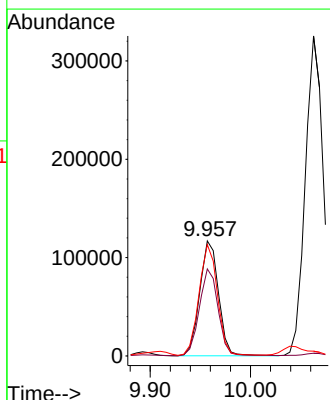
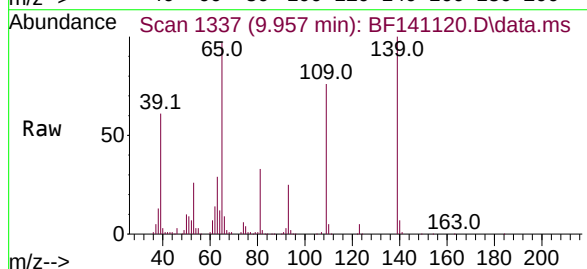
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

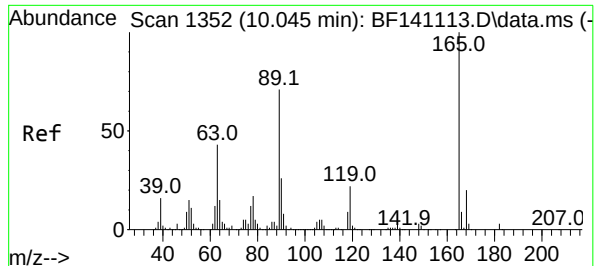
Tgt Ion:168 Resp: 1007778  
Ion Ratio Lower Upper  
168 100  
139 40.1 31.4 47.0  
169 13.6 10.9 16.3



#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

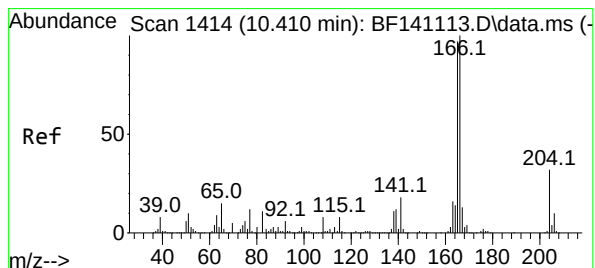
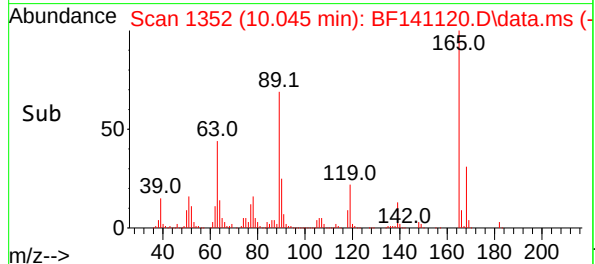
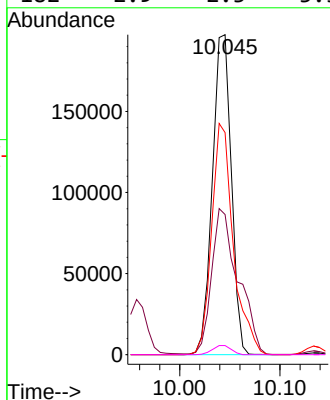
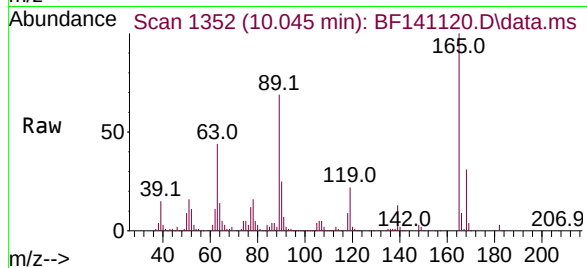




#57  
2,4-Dinitrotoluene  
Concen: 40.773 ng  
RT: 10.045 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

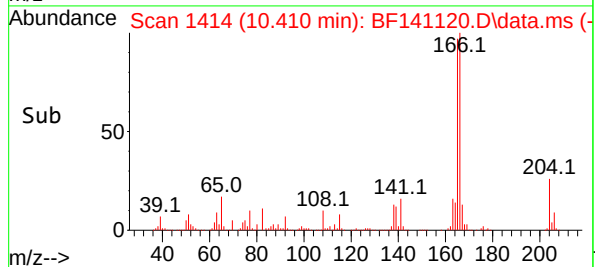
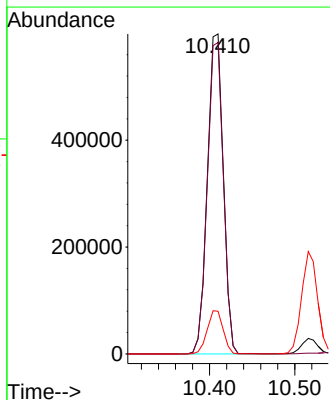
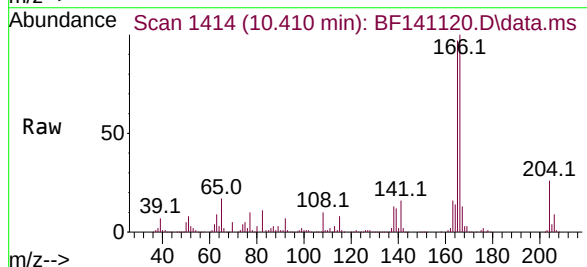
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

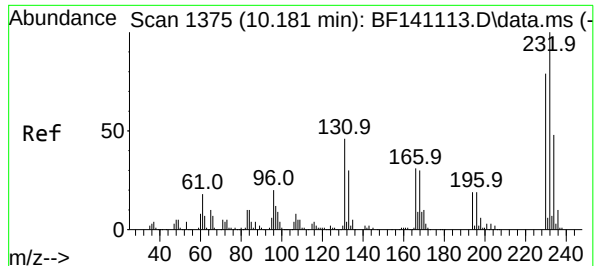
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 43.8  | 35.0  | 52.4  |
| 89      | 69.4  | 56.7  | 85.1  |
| 182     | 2.9   | 2.3   | 3.5   |



#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 | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.3  | 77.8  | 116.8 |
| 167     | 13.4  | 10.8  | 16.2  |

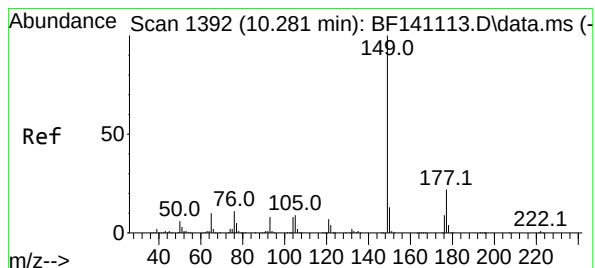
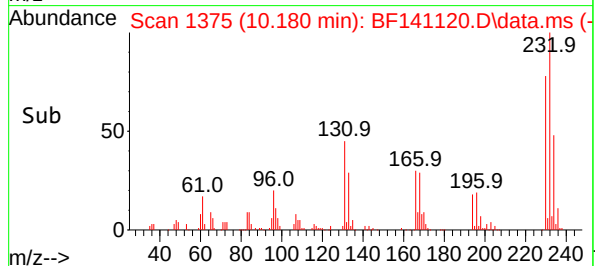
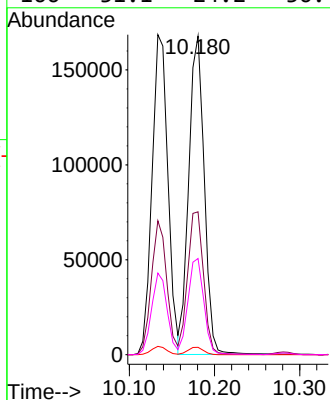
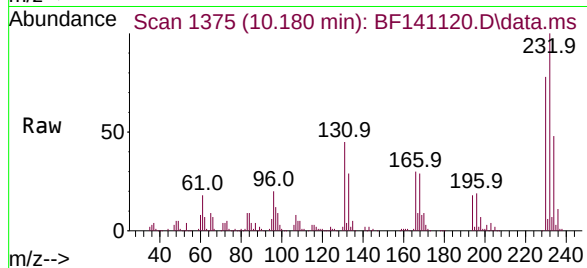




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 39.593 ng  
RT: 10.180 min Scan# 1375  
Delta R.T. -0.000 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

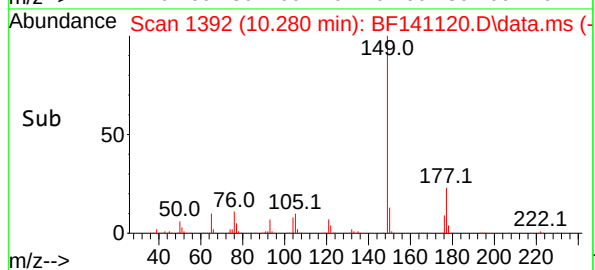
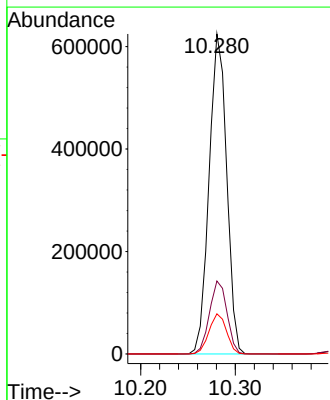
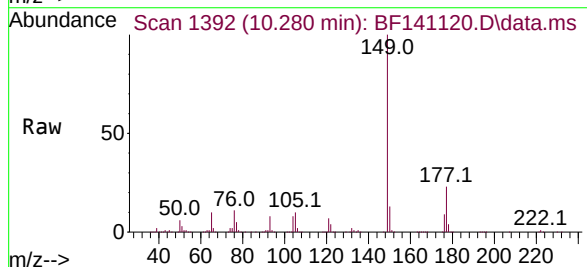
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

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

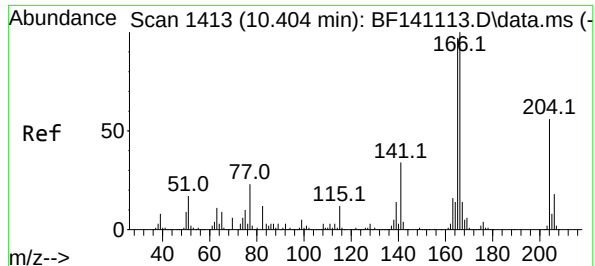


#60  
Diethylphthalate  
Concen: 38.912 ng  
RT: 10.280 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

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



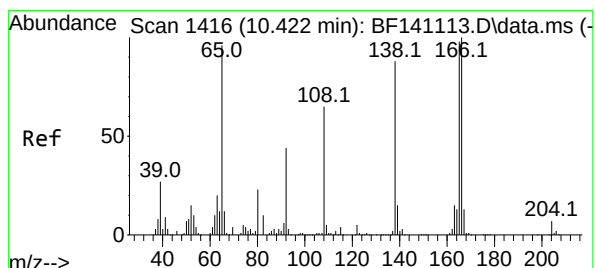
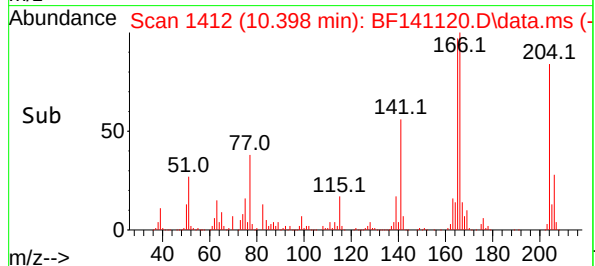
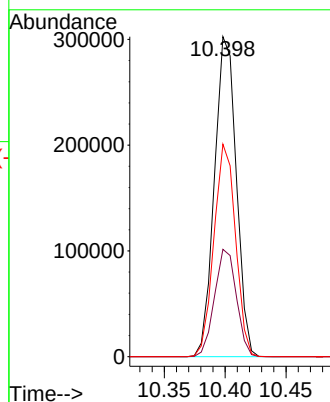
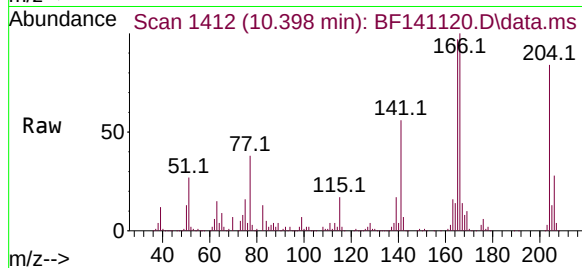




#61  
4-Chlorophenyl-phenylether  
Concen: 38.542 ng  
RT: 10.398 min Scan# 1412  
Delta R.T. -0.006 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

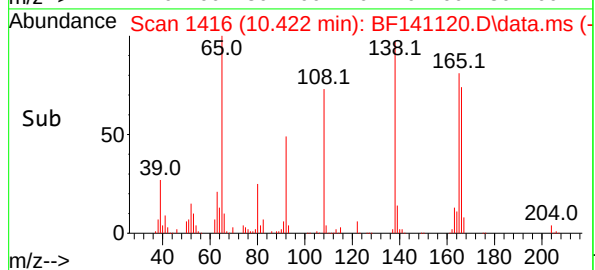
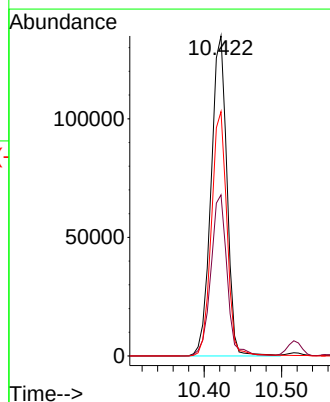
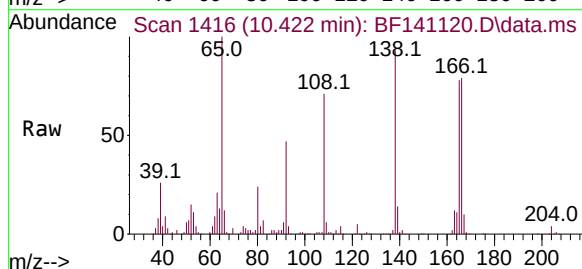
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

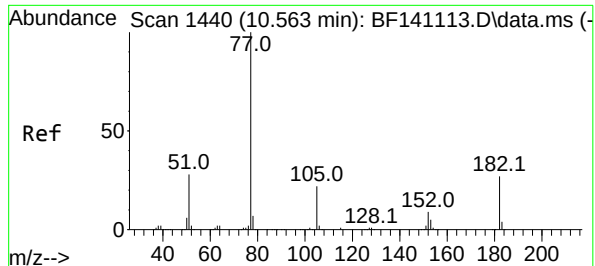
Tgt Ion:204 Resp: 377526  
Ion Ratio Lower Upper  
204 100  
206 33.5 25.9 38.9  
141 66.4 49.1 73.7



#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

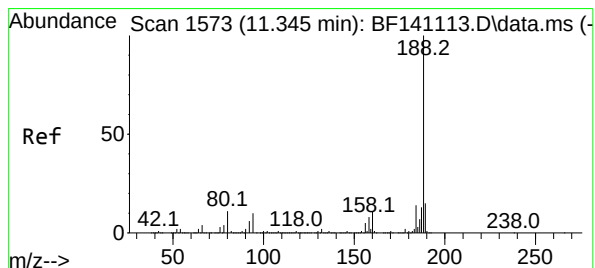
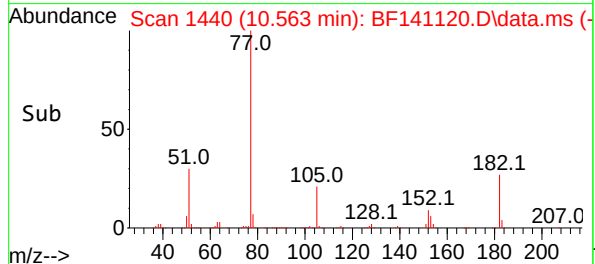
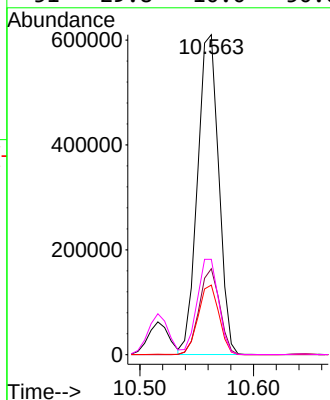
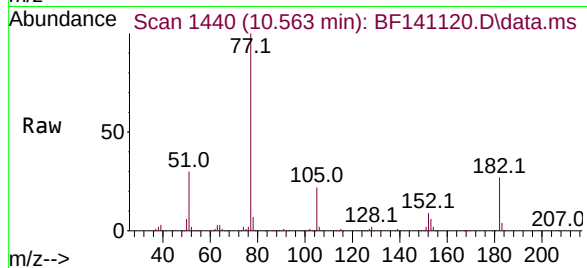




#63  
Azobenzene  
Concen: 38.845 ng  
RT: 10.563 min Scan# 1440  
Delta R.T. -0.000 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

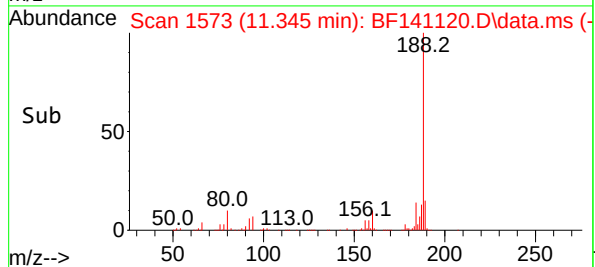
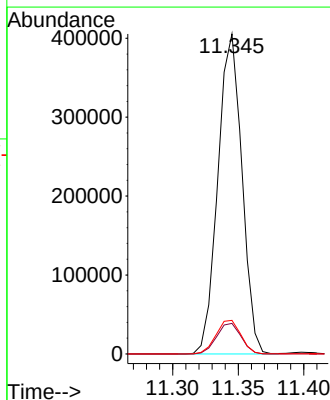
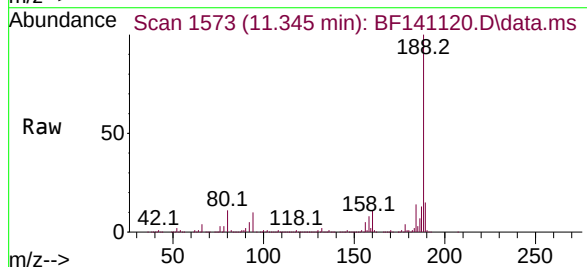
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

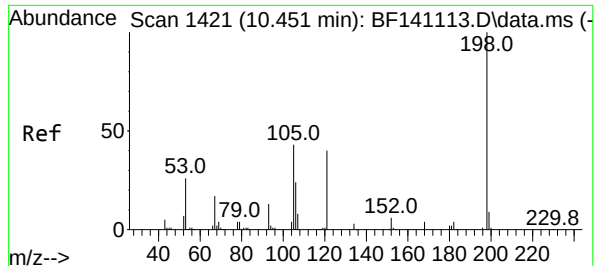
|             |              |
|-------------|--------------|
| Tgt Ion: 77 | Resp: 791308 |
| Ion Ratio   | Lower Upper  |
| 77 100      |              |
| 182 26.9    | 6.1 46.1     |
| 105 21.8    | 2.1 42.1     |
| 51 29.8     | 10.0 50.0    |



#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     |

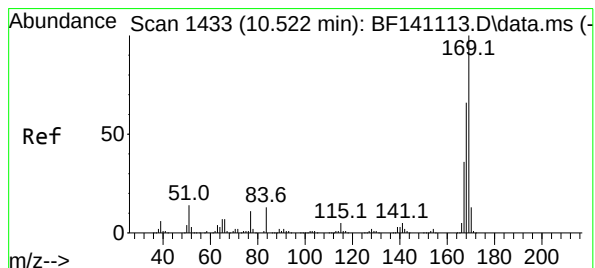
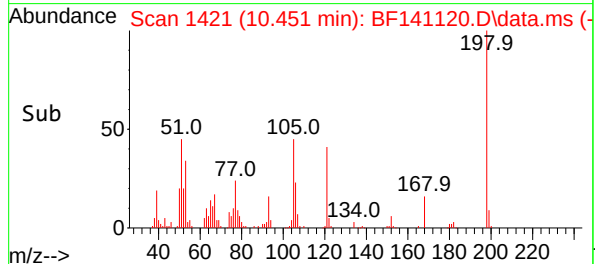
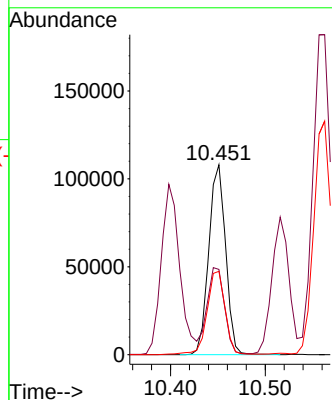
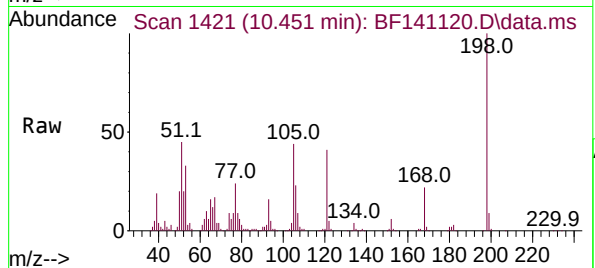




#65  
4,6-Dinitro-2-methylphenol  
Concen: 44.592 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. -0.000 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

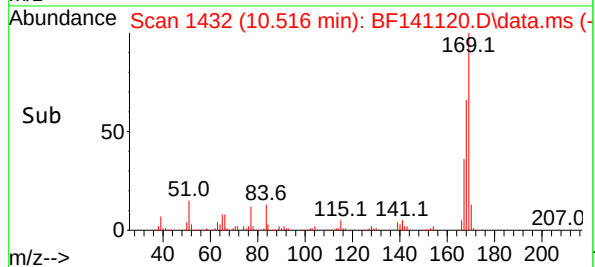
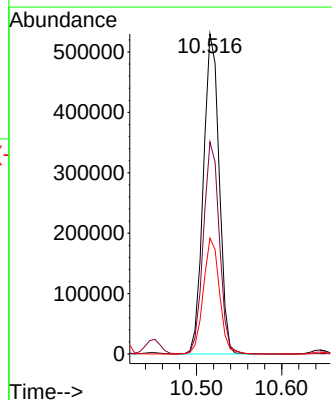
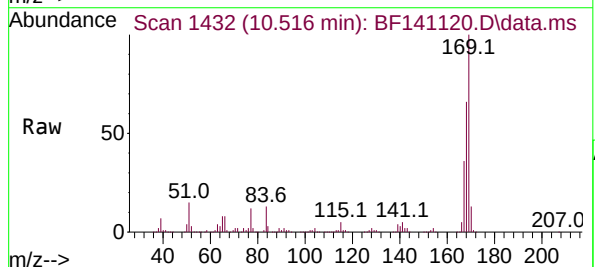
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

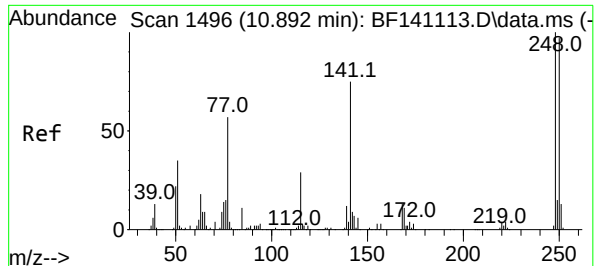
Tgt Ion:198 Resp: 133479  
Ion Ratio Lower Upper  
198 100  
51 44.9 27.1 67.1  
105 43.9 24.2 64.2



#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

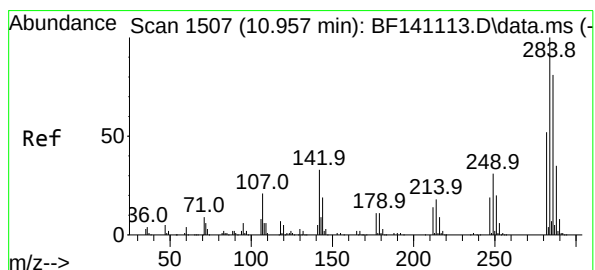
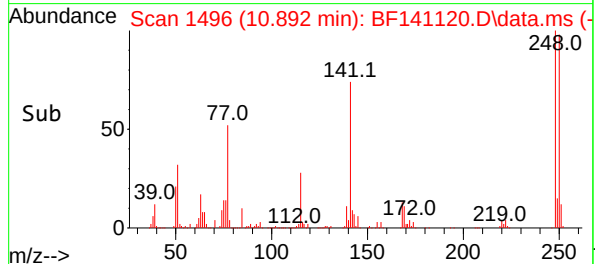
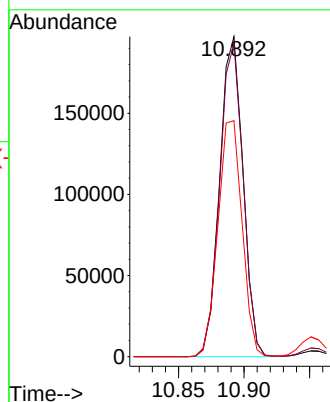
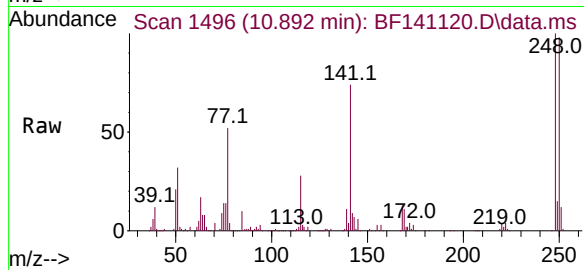




#67  
4-Bromophenyl-phenylether  
Concen: 41.081 ng  
RT: 10.892 min Scan# 1496  
Delta R.T. -0.000 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

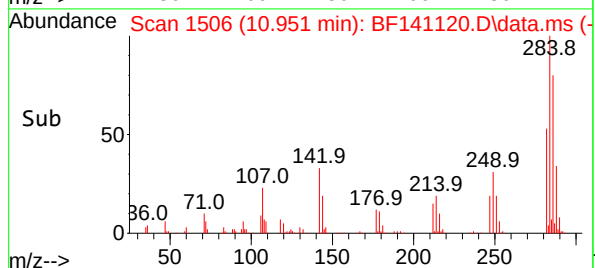
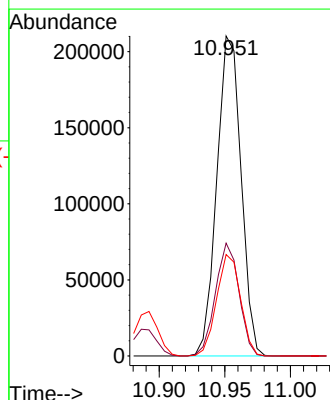
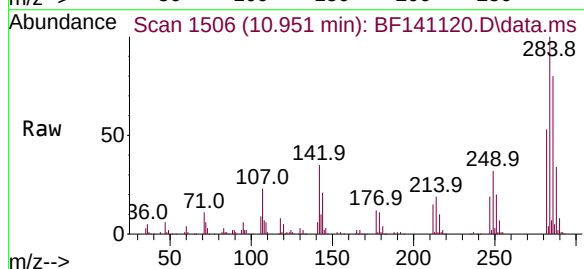
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

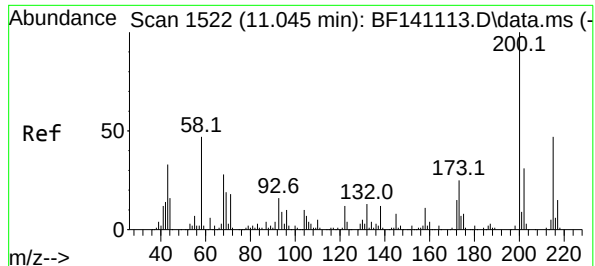
Tgt Ion:248 Resp: 244318  
Ion Ratio Lower Upper  
248 100  
250 98.0 77.9 116.9  
141 73.7 59.9 89.9



#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# 1522

Delta R.T. 0.000 min

Lab File: BF141120.D

Acq: 10 Jan 2025 18:12

Instrument :

BNA\_F

ClientSampleId :

ICVBF011025

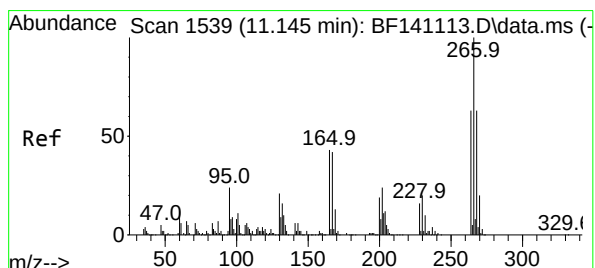
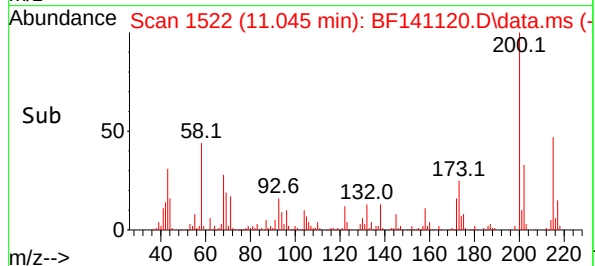
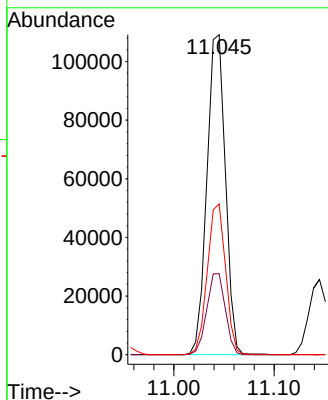
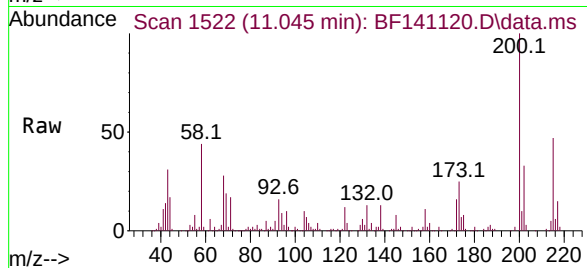
Tgt Ion:200 Resp: 139816

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

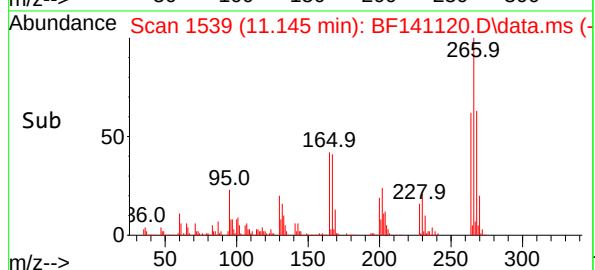
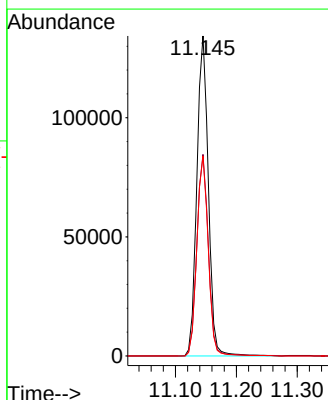
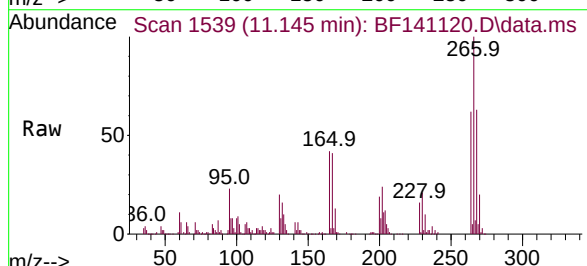
Tgt Ion:266 Resp: 176156

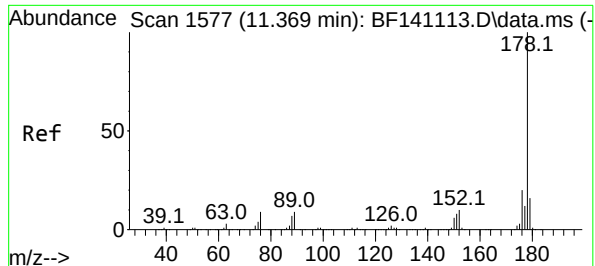
Ion Ratio Lower Upper

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# 1577

Delta R.T. -0.000 min

Lab File: BF141120.D

Acq: 10 Jan 2025 18:12

Instrument :

BNA\_F

ClientSampleId :

ICVBF011025

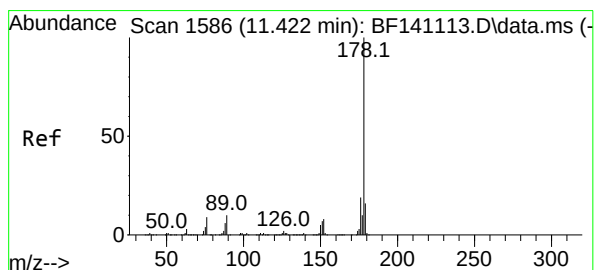
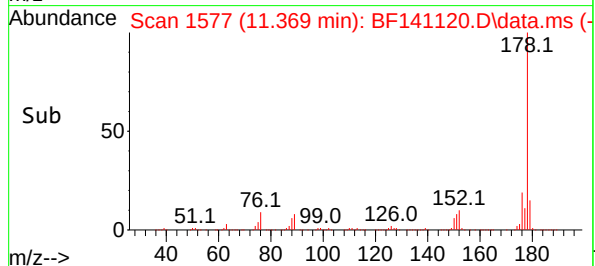
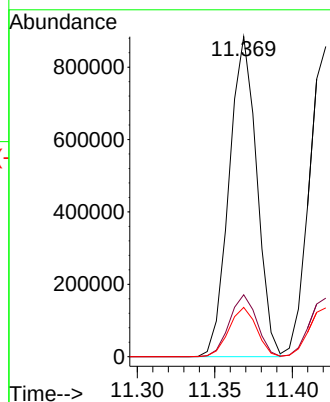
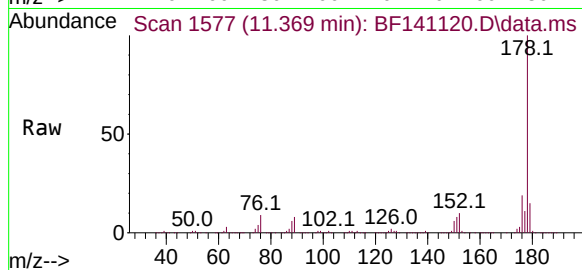
Tgt Ion:178 Resp: 1095830

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

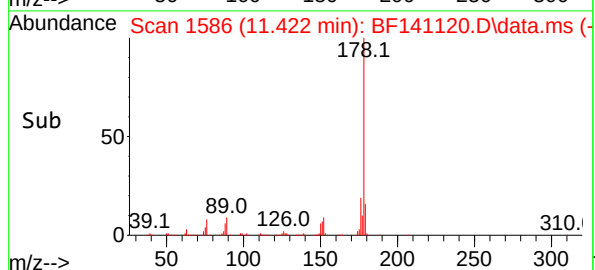
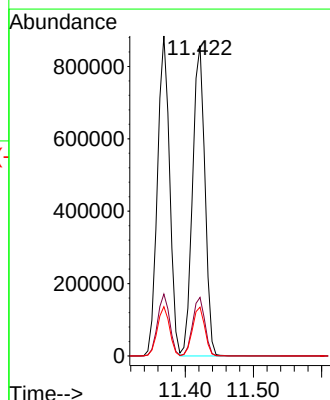
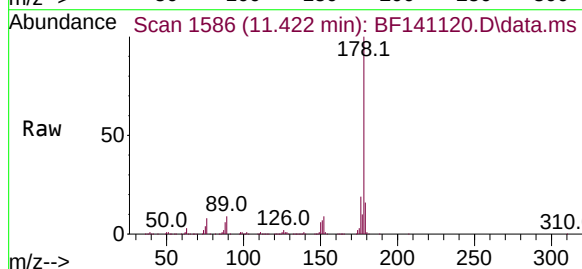
Tgt Ion:178 Resp: 1072960

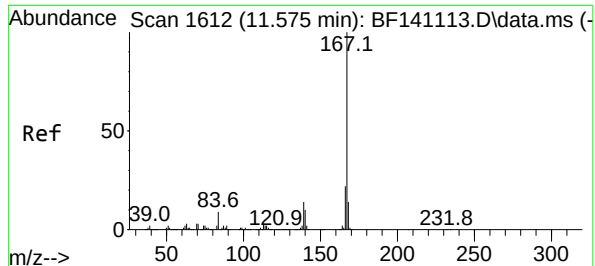
Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

179 15.8 12.6 19.0

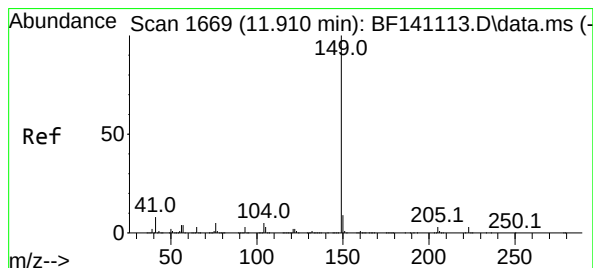
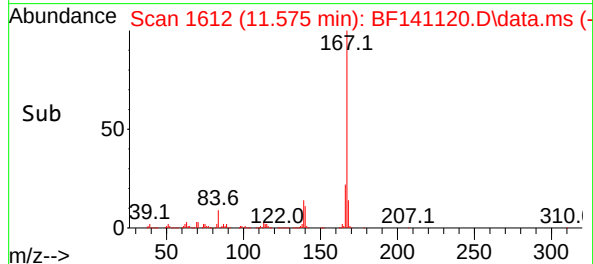
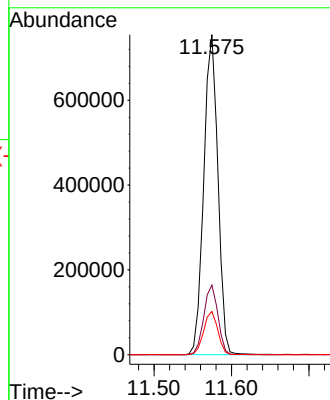
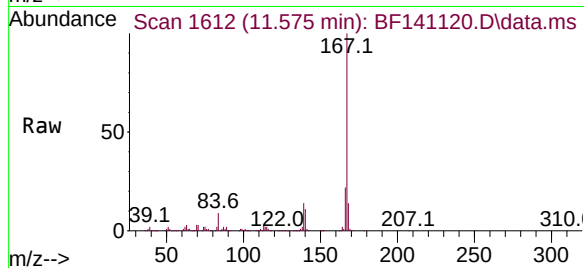




#73  
Carbazole  
Concen: 38.715 ng  
RT: 11.575 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

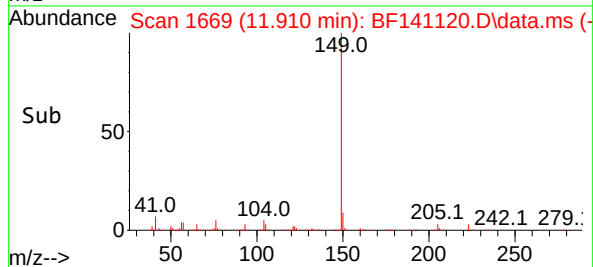
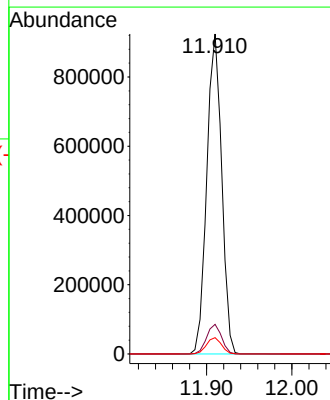
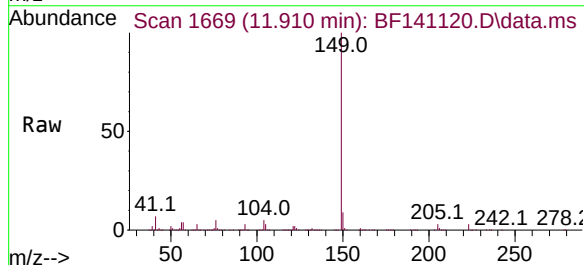
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

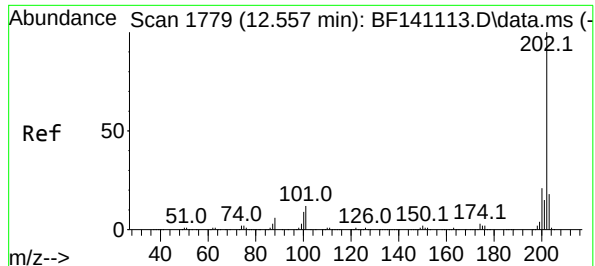
Tgt Ion:167 Resp: 957273  
Ion Ratio Lower Upper  
167 100  
166 21.7 17.4 26.2  
139 13.5 10.9 16.3



#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

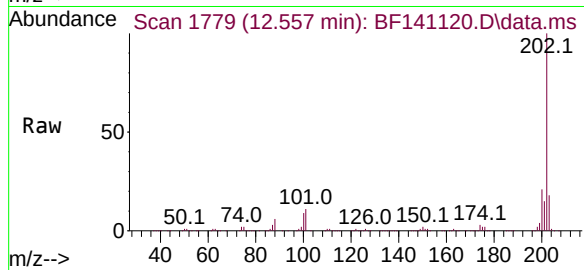
Tgt Ion:149 Resp: 1120353  
Ion Ratio Lower Upper  
149 100  
150 9.3 7.4 11.2  
104 5.1 4.2 6.2



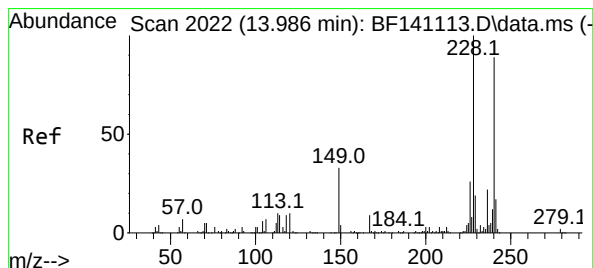
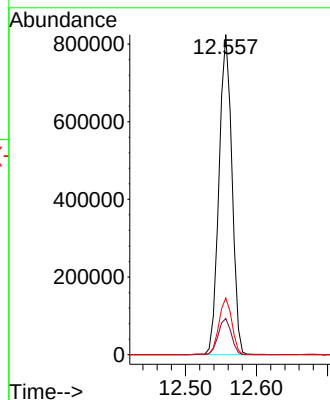
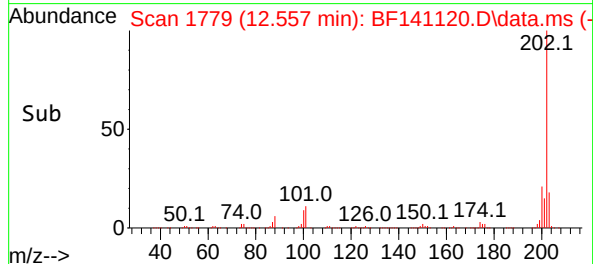


#75  
Fluoranthene  
Concen: 37.440 ng  
RT: 12.557 min Scan# 1779  
Delta R.T. -0.000 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

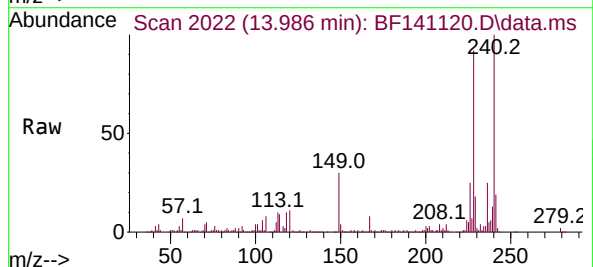
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025



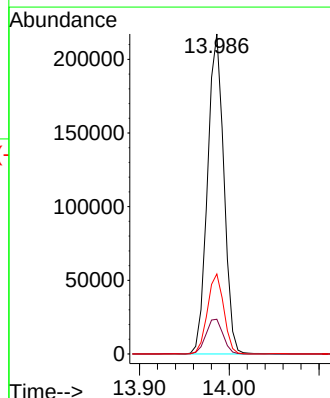
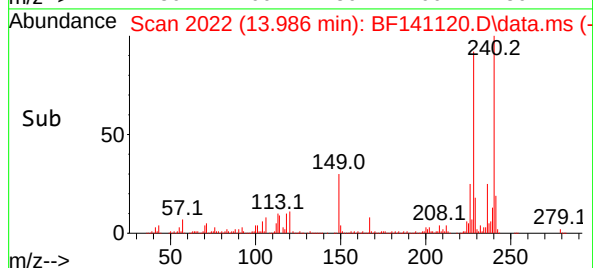
Tgt Ion:202 Resp: 1036155  
Ion Ratio Lower Upper  
202 100  
101 11.3 0.0 32.3  
203 17.7 0.0 37.7



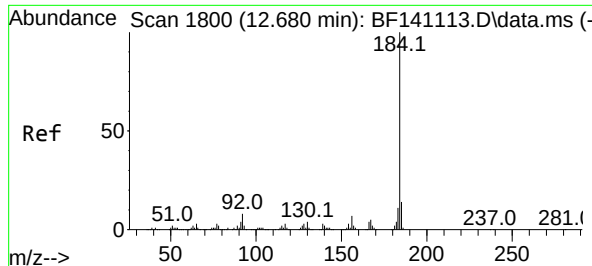
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.986 min Scan# 2022  
Delta R.T. -0.000 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12



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



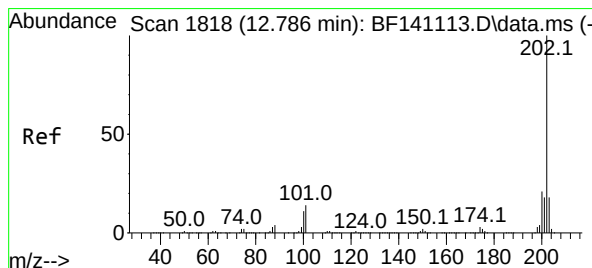
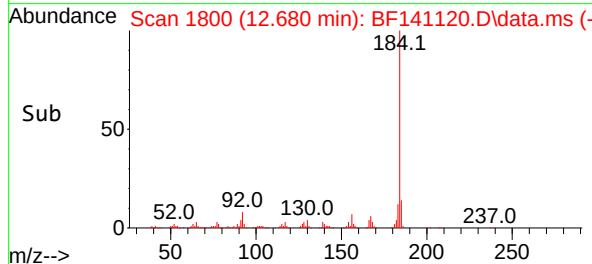
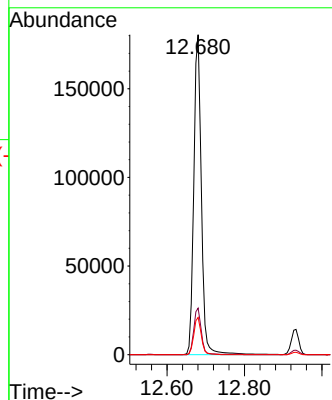
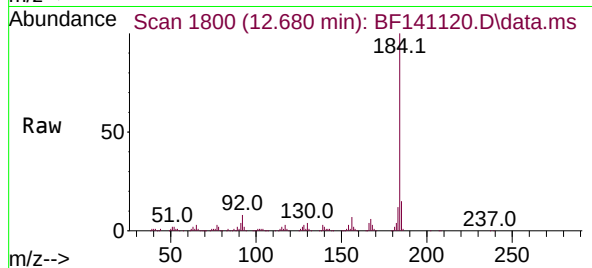




#77  
Benzidine  
Concen: 48.333 ng  
RT: 12.680 min Scan# 1800  
Delta R.T. -0.000 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

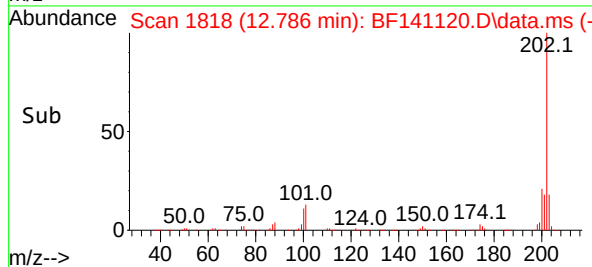
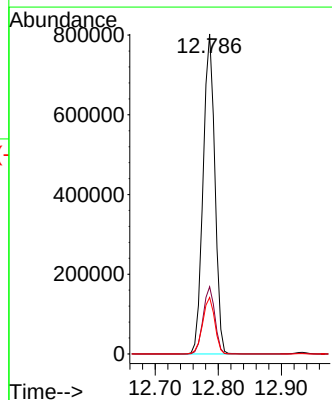
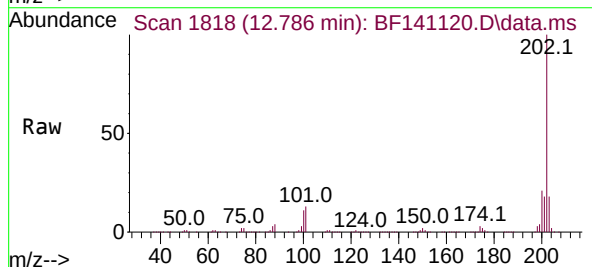
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

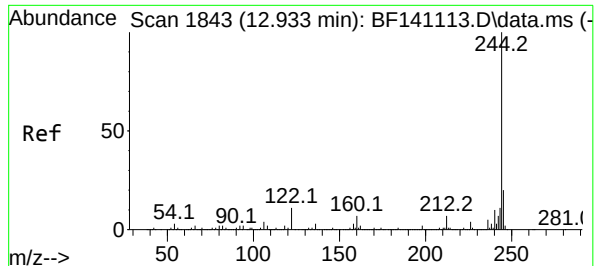
Tgt Ion:184 Resp: 245773  
Ion Ratio Lower Upper  
184 100  
185 14.6 11.4 17.0  
183 11.6 9.2 13.8



#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# 1843

Delta R.T. -0.000 min

Lab File: BF141120.D

Acq: 10 Jan 2025 18:12

Instrument :

BNA\_F

ClientSampleId :

ICVBF011025

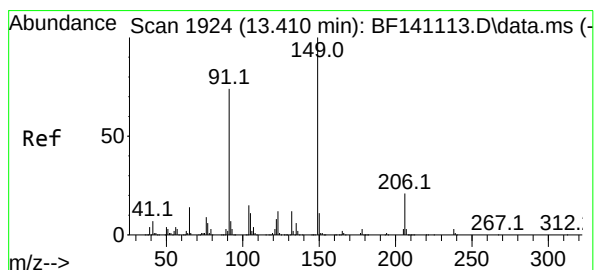
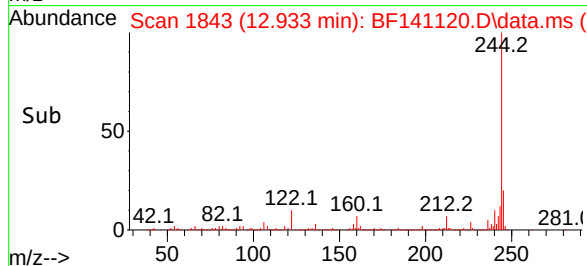
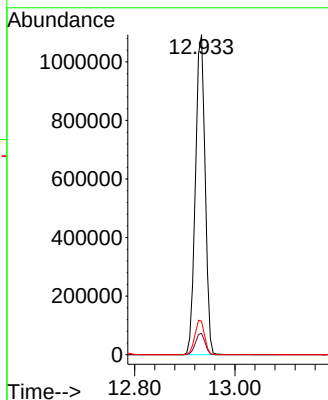
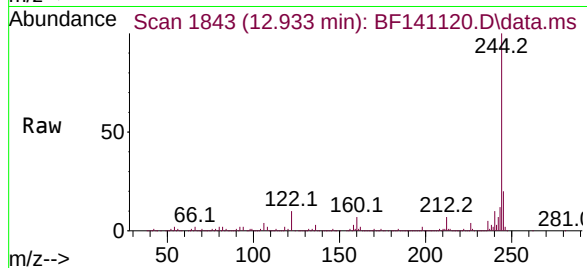
Tgt Ion:244 Resp: 1456542

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

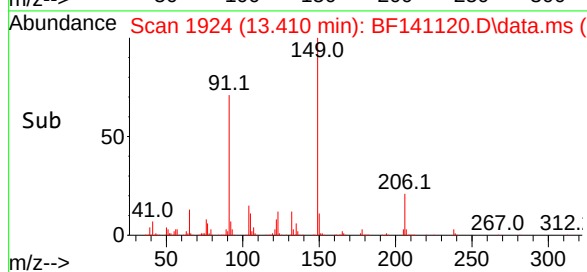
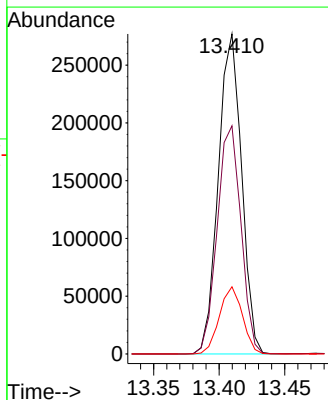
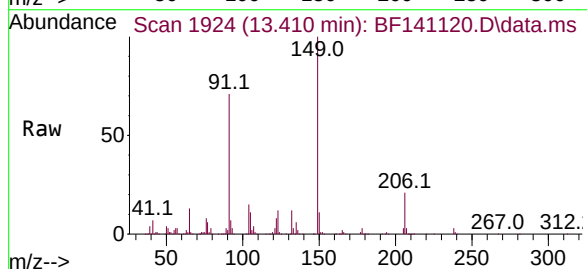
Tgt Ion:149 Resp: 341737

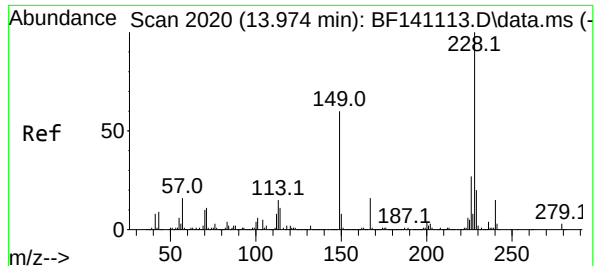
Ion Ratio Lower Upper

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# 2014

Delta R.T. -0.000 min

Lab File: BF141120.D

Acq: 10 Jan 2025 18:12

Instrument :

BNA\_F

ClientSampleId :

ICVBF011025

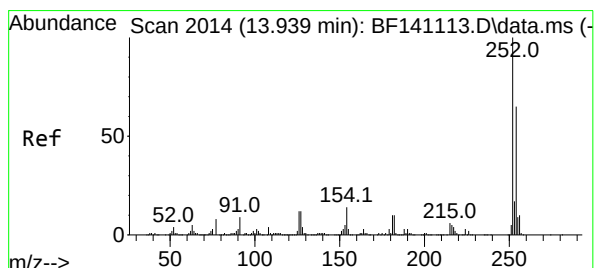
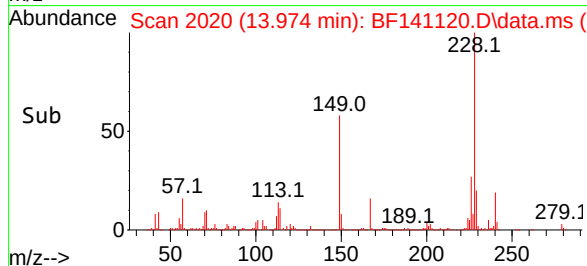
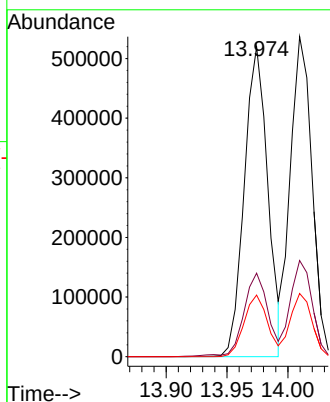
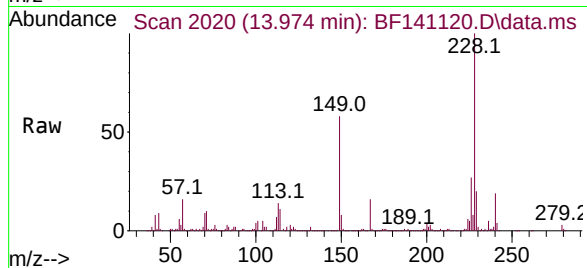
Tgt Ion:228 Resp: 699094

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

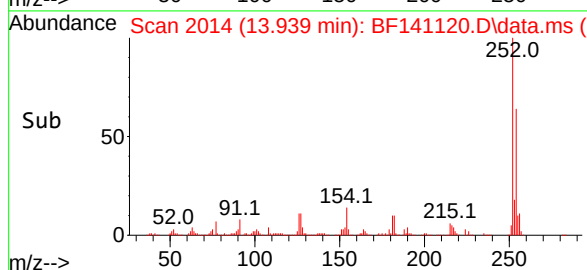
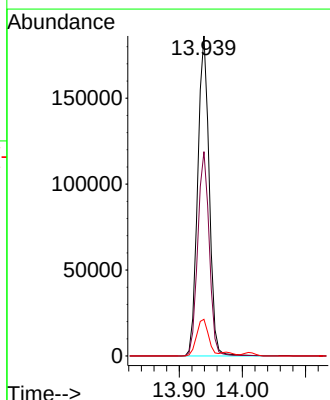
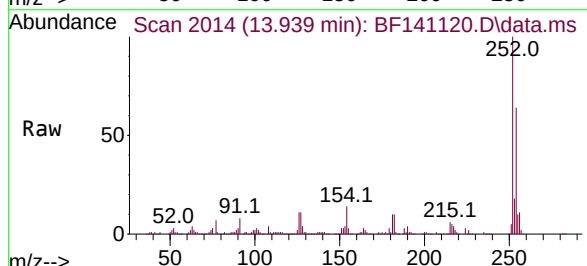
Tgt Ion:252 Resp: 235420

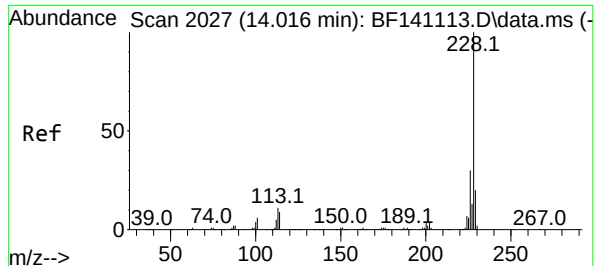
Ion Ratio Lower Upper

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# 2019

Delta R.T. -0.006 min

Lab File: BF141120.D

Acq: 10 Jan 2025 18:12

Instrument :

BNA\_F

ClientSampleId :

ICVBF011025

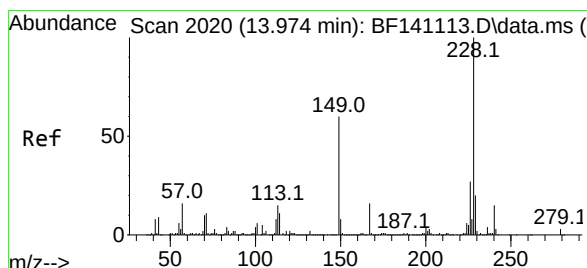
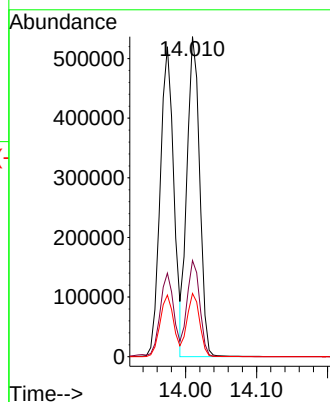
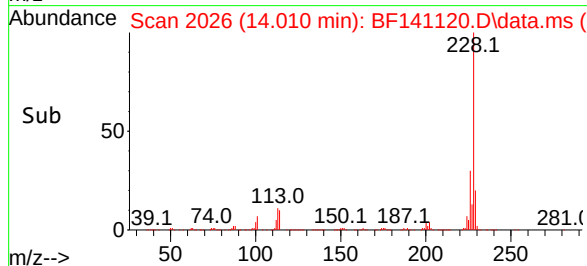
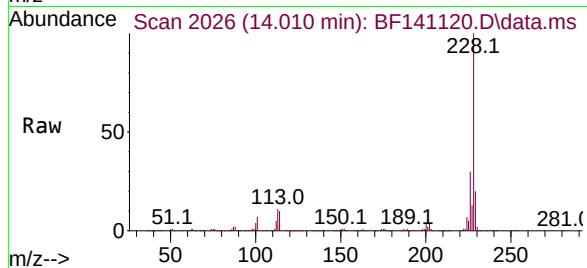
Tgt Ion:228 Resp: 664611

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

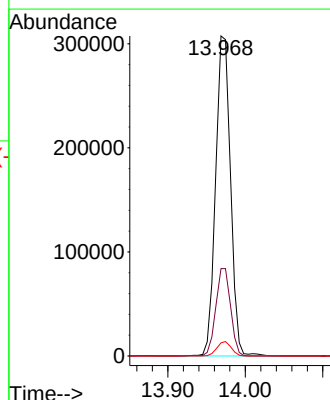
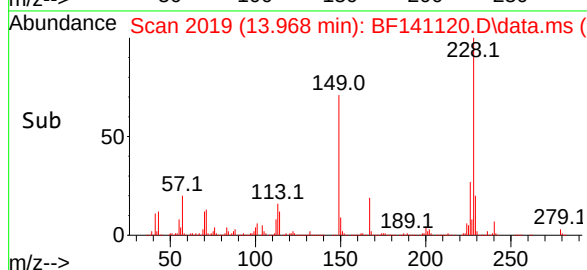
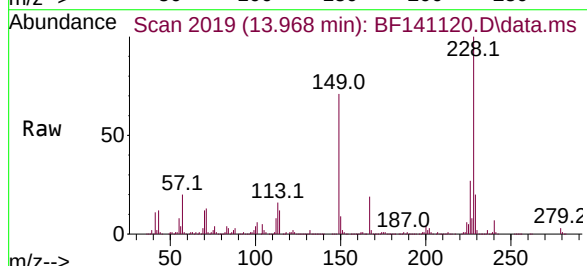
Tgt Ion:149 Resp: 409965

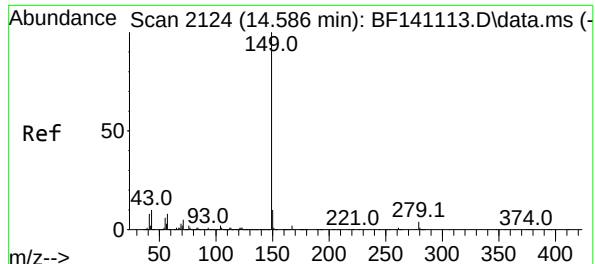
Ion Ratio Lower Upper

149 100

167 27.3 21.4 32.2

279 4.1 3.4 5.2

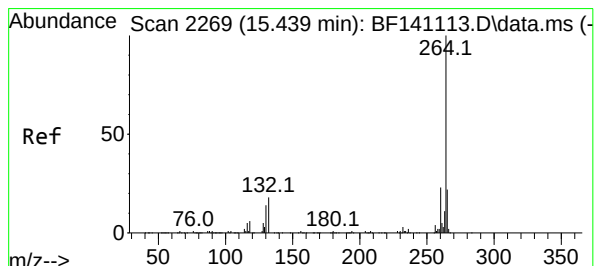
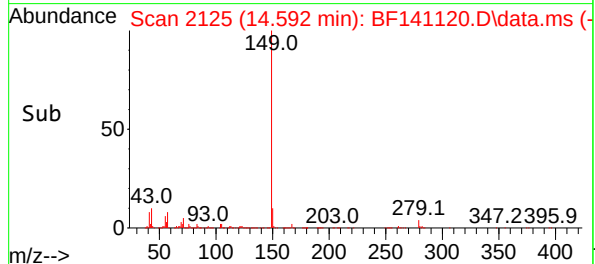
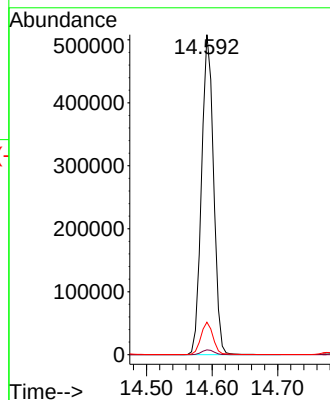
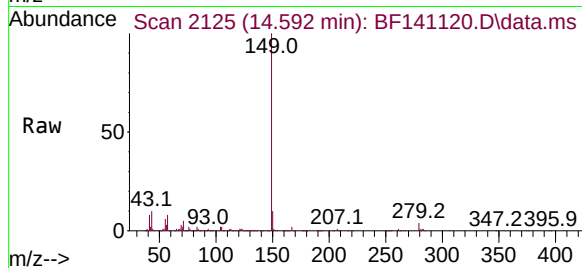




#85  
Di-n-octyl phthalate  
Concen: 41.072 ng  
RT: 14.592 min Scan# 2124  
Delta R.T. 0.006 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

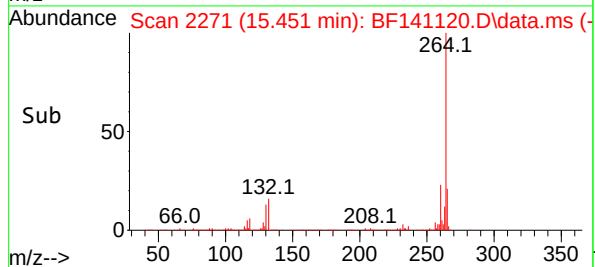
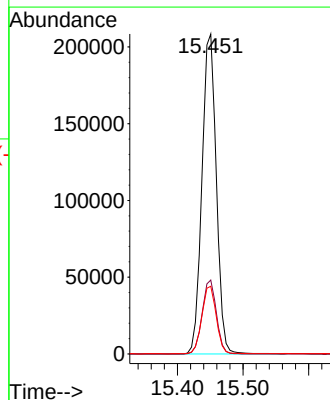
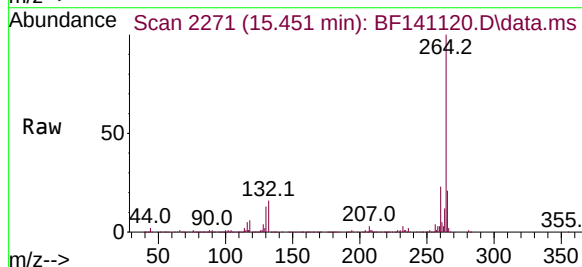
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

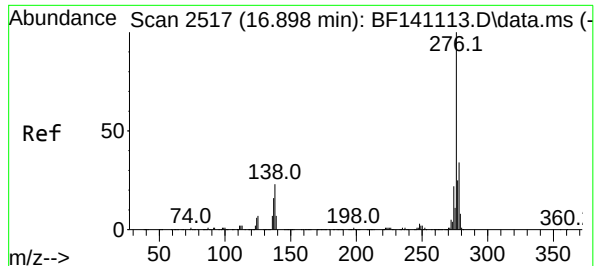
Tgt Ion:149 Resp: 649810  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 10.2 8.4 12.6



#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

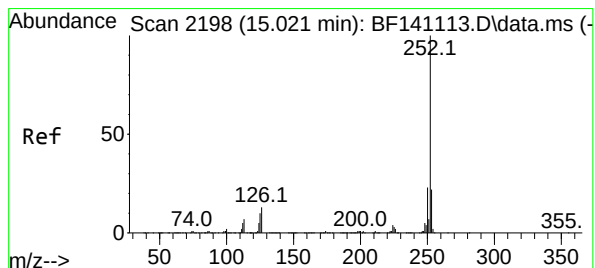
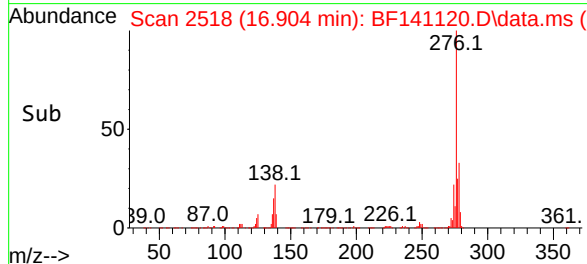
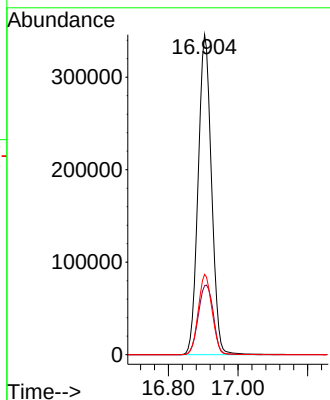
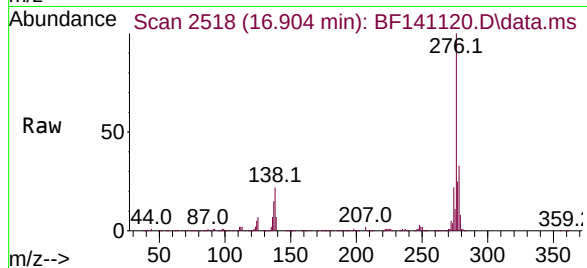




#87  
Indeno(1,2,3-cd)pyrene  
Concen: 39.527 ng  
RT: 16.904 min Scan# 2198  
Delta R.T. 0.006 min  
Lab File: BF141120.D  
Acq: 10 Jan 2025 18:12

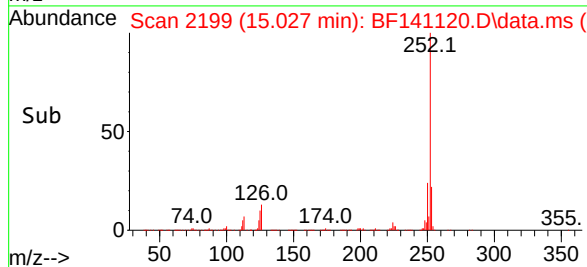
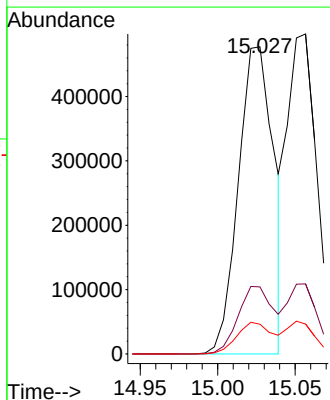
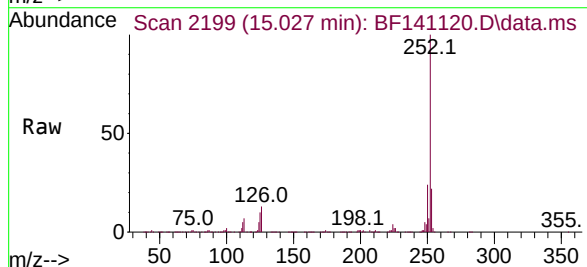
Instrument :  
BNA\_F  
ClientSampleId :  
ICVBF011025

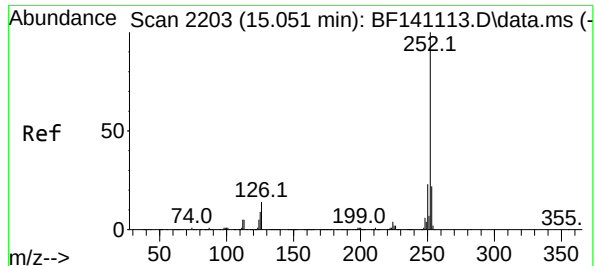
Tgt Ion:276 Resp: 921423  
Ion Ratio Lower Upper  
276 100  
138 24.5 20.7 31.1  
277 26.0 20.6 30.8



#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# 21

Delta R.T. 0.006 min

Lab File: BF141120.D

Acq: 10 Jan 2025 18:12

Instrument :

BNA\_F

ClientSampleId :

ICVBF011025

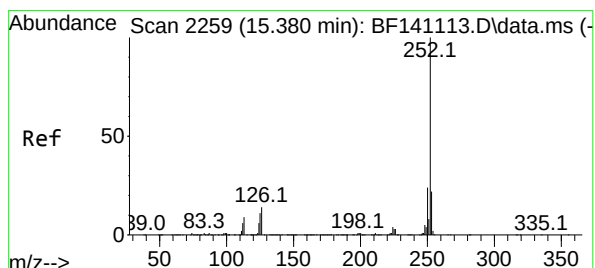
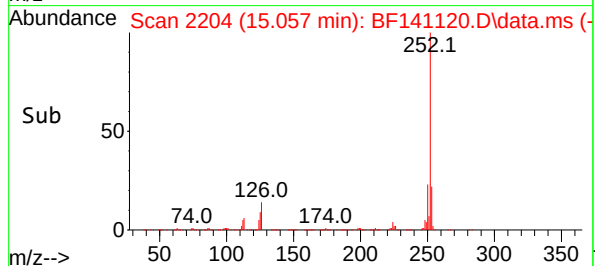
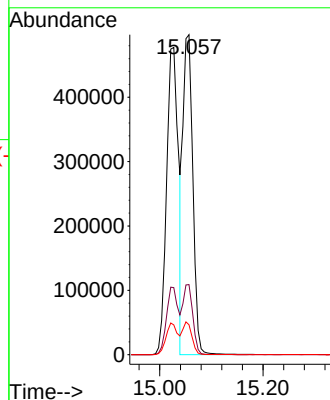
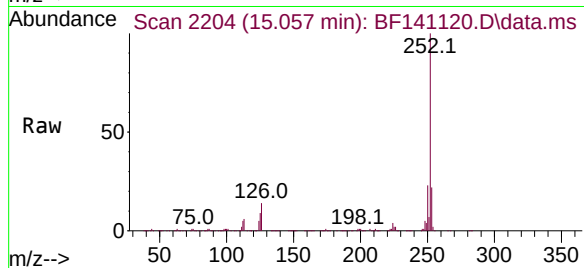
Tgt Ion:252 Resp: 664225

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

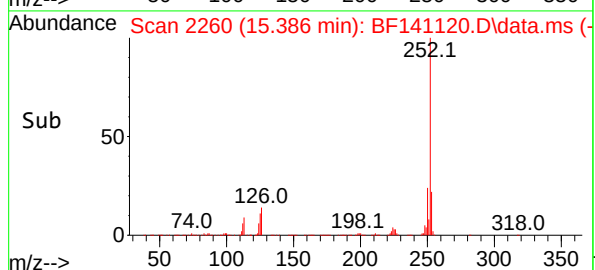
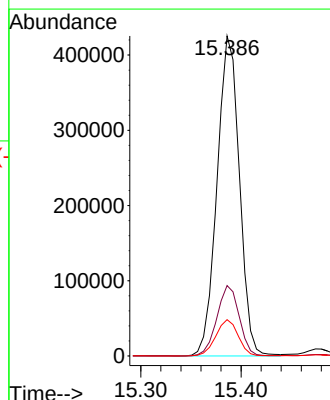
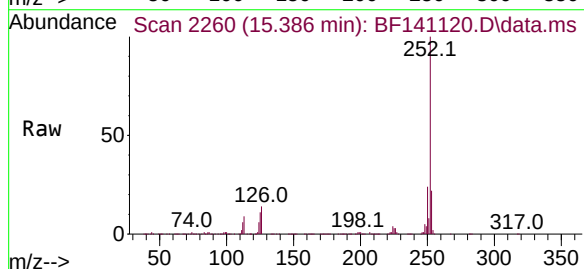
Tgt Ion:252 Resp: 659605

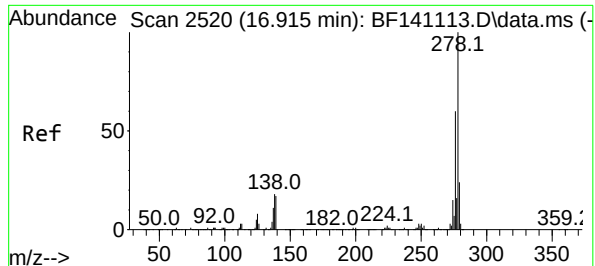
Ion Ratio Lower Upper

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# 2521

Delta R.T. 0.006 min

Lab File: BF141120.D

Acq: 10 Jan 2025 18:12

Instrument :

BNA\_F

ClientSampleId :

ICVBF011025

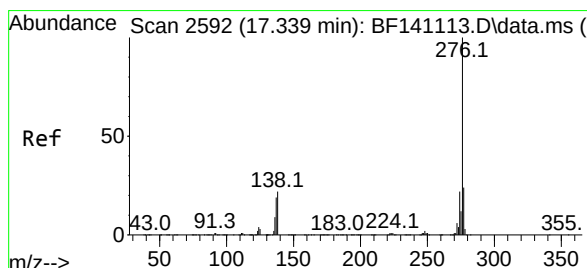
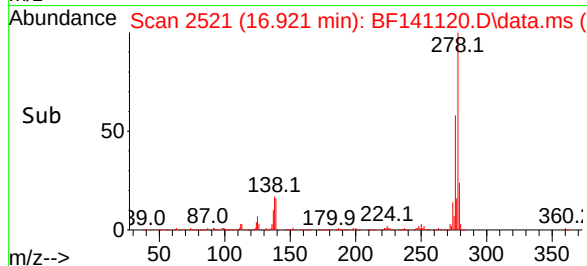
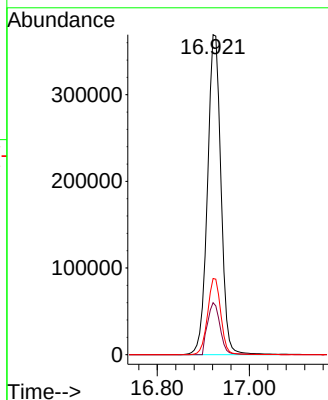
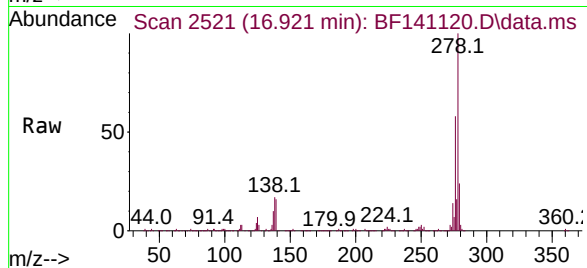
Tgt Ion:278 Resp: 752974

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

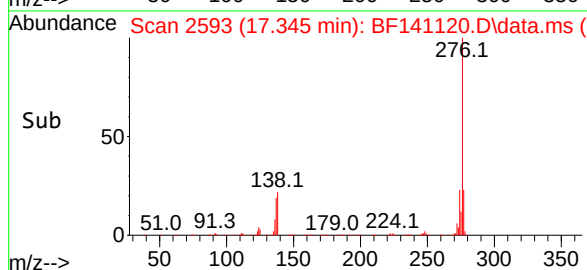
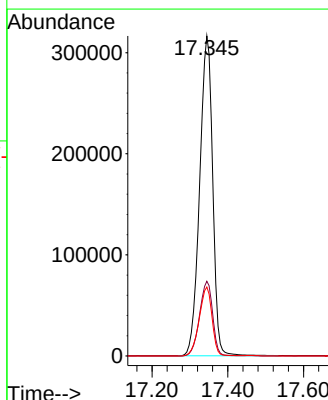
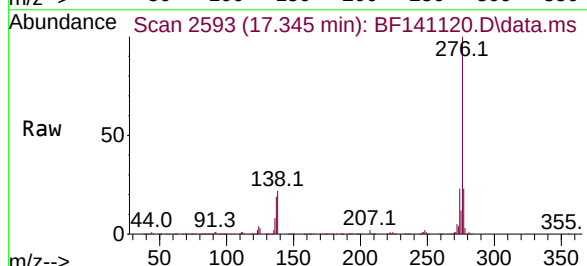
Tgt Ion:276 Resp: 754682

Ion Ratio Lower Upper

276 100

277 23.4 19.0 28.4

138 21.6 17.4 26.2





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     |

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   | Benzydine                  | 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     |

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

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     |

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   | Benzydine                  | 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     |

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



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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ARDM01

Lab Code: CHEM Case No.: Q1066 SAS No.: Q1066 SDG No.: Q1066

Instrument ID: BNA\_F Calibration Date/Time: 01/16/2025 12:29

Lab File ID: BF141179.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<br>RRF | %D   | MAX%D |
|-----------------------------|-------|--------|------------|------|-------|
| n-Nitrosodimethylamine      | 0.691 | 0.644  |            | -6.8 |       |
| 2-Fluorophenol              | 1.295 | 1.183  |            | -8.6 |       |
| Phenol-d6                   | 1.640 | 1.506  |            | -8.2 |       |
| Phenol                      | 1.756 | 1.602  |            | -8.8 | 20.0  |
| bis(2-Chloroethyl)ether     | 1.308 | 1.199  |            | -8.3 |       |
| 2-Chlorophenol              | 1.389 | 1.296  |            | -6.7 |       |
| 2,2-oxybis(1-Chloropropane) | 1.826 | 1.651  |            | -9.6 |       |
| n-Nitroso-di-n-propylamine  | 0.966 | 0.902  | 0.050      | -6.6 |       |
| Nitrobenzene-d5             | 0.377 | 0.351  |            | -6.9 |       |
| Hexachloroethane            | 0.565 | 0.535  |            | -5.3 |       |
| Nitrobenzene                | 0.393 | 0.367  |            | -6.6 |       |
| Isophorone                  | 0.645 | 0.616  |            | -4.5 |       |
| 2-Nitrophenol               | 0.179 | 0.169  |            | -5.6 | 20.0  |
| 2,4-Dimethylphenol          | 0.241 | 0.230  |            | -4.6 |       |
| bis(2-Chloroethoxy)methane  | 0.405 | 0.384  |            | -5.2 |       |
| 2,4-Dichlorophenol          | 0.287 | 0.272  |            | -5.2 | 20.0  |
| 1,2,4-Trichlorobenzene      | 0.328 | 0.311  |            | -5.2 |       |
| Naphthalene                 | 1.055 | 0.993  |            | -5.9 |       |
| Hexachlorobutadiene         | 0.197 | 0.190  |            | -3.6 | 20.0  |
| 4-Chloro-3-methylphenol     | 0.313 | 0.301  |            | -3.8 | 20.0  |
| Hexachlorocyclopentadiene   | 0.188 | 0.198  | 0.050      | 5.3  |       |
| 2,4,6-Trichlorophenol       | 0.387 | 0.364  |            | -5.9 | 20.0  |
| 2-Fluorobiphenyl            | 1.310 | 1.215  |            | -7.3 |       |
| 2-Chloronaphthalene         | 1.210 | 1.121  |            | -7.4 |       |
| Dimethylphthalate           | 1.343 | 1.270  |            | -5.4 |       |
| Acenaphthylene              | 1.728 | 1.622  |            | -6.1 |       |
| 2,6-Dinitrotoluene          | 0.312 | 0.295  |            | -5.4 |       |
| Acenaphthene                | 1.208 | 1.140  |            | -5.6 | 20.0  |
| 2,4-Dinitrophenol           | 0.148 | 0.143  | 0.050      | -3.4 |       |
| 4-Nitrophenol               | 0.248 | 0.241  | 0.050      | -2.8 |       |
| 2,4-Dinitrotoluene          | 0.402 | 0.394  |            | -2.0 |       |
| Diethylphthalate            | 1.311 | 1.262  |            | -3.7 |       |
| 4-Chlorophenyl-phenylether  | 0.622 | 0.593  |            | -4.7 |       |
| Fluorene                    | 1.276 | 1.211  |            | -5.1 |       |
| 4,6-Dinitro-2-methylphenol  | 0.116 | 0.123  |            | 6.0  |       |
| n-Nitrosodiphenylamine      | 0.645 | 0.618  |            | -4.2 | 20.0  |
| Azobenzene                  | 1.293 | 1.227  |            | -5.1 |       |
| 2,4,6-Tribromophenol        | 0.228 | 0.227  |            | -0.4 |       |
| 4-Bromophenyl-phenylether   | 0.230 | 0.227  |            | -1.3 |       |



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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ARDM01

Lab Code: CHEM Case No.: Q1066 SAS No.: Q1066 SDG No.: Q1066

Instrument ID: BNA\_F Calibration Date/Time: 01/16/2025 12:29

Lab File ID: BF141179.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<br>RRF | %D    | MAX%D |
|----------------------------|-------|--------|------------|-------|-------|
| Hexachlorobenzene          | 0.256 | 0.252  |            | -1.6  |       |
| Pentachlorophenol          | 0.164 | 0.168  |            | 2.4   | 20.0  |
| Phenanthrene               | 1.074 | 1.037  |            | -3.4  |       |
| Anthracene                 | 1.044 | 1.018  |            | -2.5  |       |
| Di-n-butylphthalate        | 1.096 | 1.136  |            | 3.7   |       |
| Fluoranthene               | 1.071 | 1.100  |            | 2.7   | 20.0  |
| Benzidine                  | 0.371 | 0.332  |            | -10.5 |       |
| Pyrene                     | 1.910 | 1.651  |            | -13.6 |       |
| Terphenyl-d14              | 1.346 | 1.206  |            | -10.4 |       |
| Butylbenzylphthalate       | 0.637 | 0.644  |            | 1.1   |       |
| 3,3-Dichlorobenzidine      | 0.433 | 0.385  |            | -11.1 |       |
| Benzo(a)anthracene         | 1.361 | 1.239  |            | -9.0  |       |
| Chrysene                   | 1.274 | 1.128  |            | -11.5 |       |
| Bis(2-ethylhexyl)phthalate | 0.764 | 0.820  |            | 7.3   |       |
| Di-n-octyl phthalate       | 1.154 | 1.212  |            | 5.0   | 20.0  |
| Benzo(b)fluoranthene       | 1.290 | 1.288  |            | -0.2  |       |
| Benzo(k)fluoranthene       | 1.090 | 1.019  |            | -6.5  |       |
| Benzo(a)pyrene             | 1.064 | 1.018  |            | -4.3  | 20.0  |
| Indeno(1,2,3-cd)pyrene     | 1.465 | 1.322  |            | -9.8  |       |
| Dibenzo(a,h)anthracene     | 1.185 | 1.081  |            | -8.8  |       |
| Benzo(g,h,i)perylene       | 1.233 | 1.118  |            | -9.3  |       |

All other compounds must meet a minimum RRF of 0.010.



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011625\  
 Data File : BF141179.D  
 Acq On : 16 Jan 2025 12:29  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Jan 16 12:50:02 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     | 6.816  | 152  | 166278   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.098  | 136  | 639453   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 345703   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.339 | 188  | 587619   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 13.986 | 240  | 388773   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 15.439 | 264  | 345127   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.416  | 112  | 786998   | 73.116 | ng    | -0.01    |
| 7) Phenol-d6                  | 6.440  | 99   | 1001748  | 73.472 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.381  | 82   | 898772   | 74.505 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.645 | 330  | 313840   | 79.674 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.175  | 172  | 1680752  | 74.242 | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.927 | 244  | 1875570  | 71.704 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.534  | 88   | 173867   | 36.273 | ng    | 99       |
| 3) Pyridine                   | 3.269  | 79   | 421233   | 35.837 | ng    | 99       |
| 4) n-Nitrosodimethylamine     | 3.222  | 42   | 214221   | 37.273 | ng    | 99       |
| 6) Aniline                    | 6.481  | 93   | 428915   | 35.432 | ng    | 99       |
| 8) 2-Chlorophenol             | 6.598  | 128  | 431087   | 37.330 | ng    | 99       |
| 9) Benzaldehyde               | 6.363  | 77   | 351666   | 43.793 | ng    | 99       |
| 10) Phenol                    | 6.457  | 94   | 532722   | 36.500 | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.551  | 93   | 398598   | 36.646 | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.757  | 146  | 480561   | 37.311 | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.834  | 146  | 476477   | 36.711 | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.987  | 146  | 452075   | 37.341 | ng    | 97       |
| 15) Benzyl Alcohol            | 6.957  | 79   | 368515   | 37.426 | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.093  | 45   | 548966   | 36.168 | ng    | 99       |
| 17) 2-Methylphenol            | 7.063  | 107  | 343251   | 36.817 | ng    | 99       |
| 18) Hexachloroethane          | 7.328  | 117  | 177947   | 37.913 | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.228  | 70   | 299855   | 37.334 | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.222  | 107  | 431738   | 36.705 | ng    | # 80     |
| 22) Acetophenone              | 7.228  | 105  | 571425   | 37.590 | ng    | 99       |
| 24) Nitrobenzene              | 7.398  | 77   | 468910   | 37.297 | ng    | 100      |
| 25) Isophorone                | 7.640  | 82   | 787742   | 38.211 | ng    | 99       |
| 26) 2-Nitrophenol             | 7.716  | 139  | 216700   | 37.891 | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.745  | 122  | 294422   | 38.167 | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.851  | 93   | 491614   | 37.998 | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.951  | 162  | 348192   | 38.005 | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.040  | 180  | 397778   | 37.984 | ng    | 100      |
| 31) Naphthalene               | 8.122  | 128  | 1269914  | 37.658 | ng    | 100      |
| 32) Benzoic acid              | 7.863  | 122  | 290326   | 39.233 | ng    | 97       |
| 33) 4-Chloroaniline           | 8.169  | 127  | 417748   | 35.820 | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.240  | 225  | 242757   | 38.471 | ng    | 99       |
| 35) Caprolactam               | 8.540  | 113  | 117185   | 39.068 | ng    | 99       |
| 36) 4-Chloro-3-methylphenol   | 8.645  | 107  | 384536   | 38.378 | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.810  | 142  | 822388   | 38.270 | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.910  | 142  | 795537   | 37.564 | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.975  | 216  | 375540   | 37.848 | ng    | 100      |
| 41) Hexachlorocyclopentadiene | 8.963  | 237  | 137080   | 42.227 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.087  | 196  | 251786   | 37.625 | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011625\  
 Data File : BF141179.D  
 Acq On : 16 Jan 2025 12:29  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SSTDCCC040

Quant Time: Jan 16 12:50:02 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

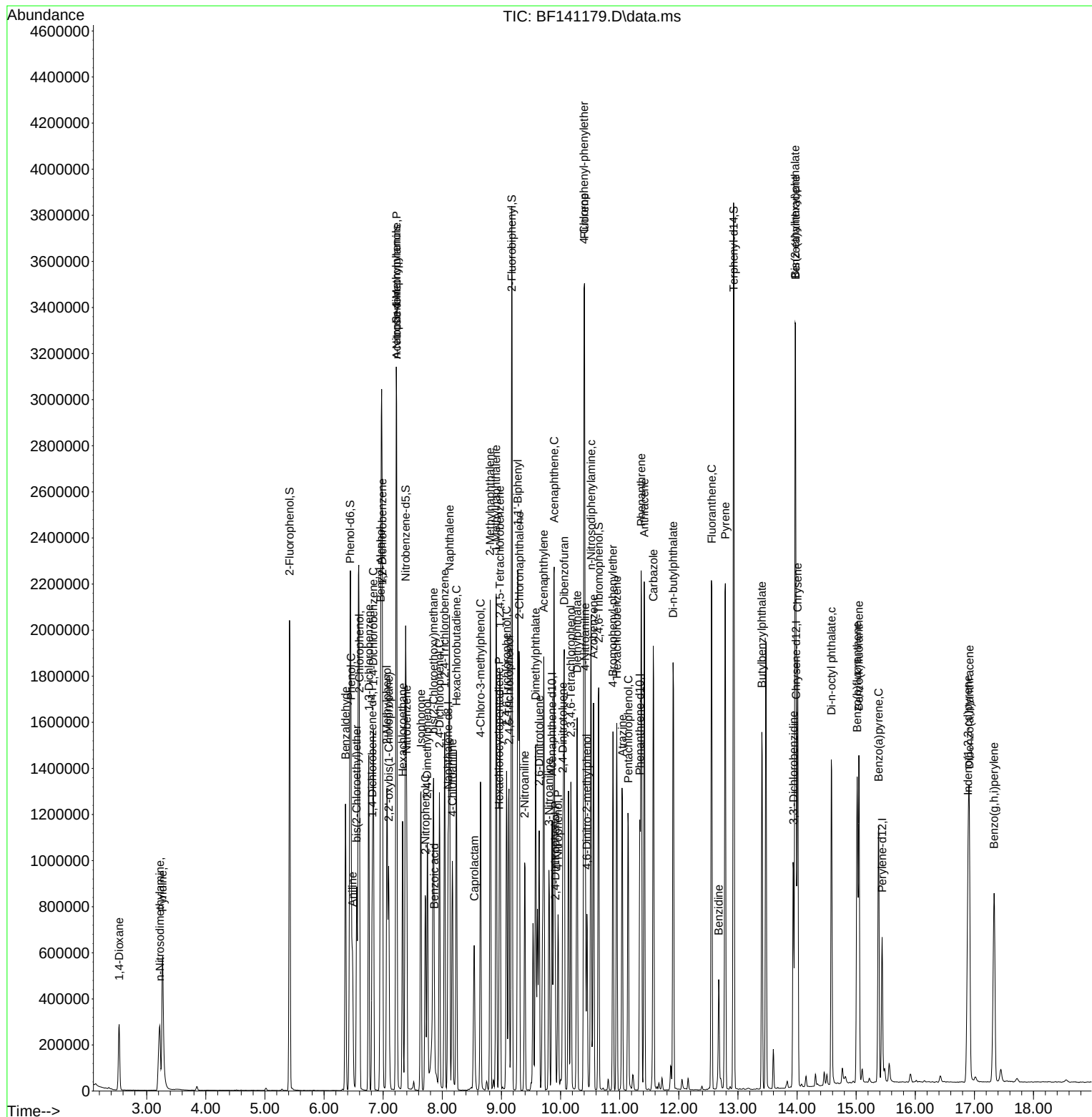
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.128  | 196  | 273747   | 38.733 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.275  | 154  | 1003907  | 37.393 | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.304  | 162  | 774994   | 37.062 | ng    | 100      |
| 48) 2-Nitroaniline            | 9.392  | 65   | 233654   | 37.695 | ng    | 96       |
| 49) Acenaphthylene            | 9.716  | 152  | 1121403  | 37.536 | ng    | 100      |
| 50) Dimethylphthalate         | 9.581  | 163  | 877821   | 37.823 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.639  | 165  | 204251   | 37.845 | ng    | 95       |
| 52) Acenaphthene              | 9.892  | 154  | 788153   | 37.761 | ng    | 100      |
| 53) 3-Nitroaniline            | 9.804  | 138  | 204612   | 37.307 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.910  | 184  | 99005    | 38.594 | ng #  | 86       |
| 55) Dibenzofuran              | 10.063 | 168  | 1063889  | 37.474 | ng    | 100      |
| 56) 4-Nitrophenol             | 9.957  | 139  | 166919   | 38.861 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 10.039 | 165  | 272528   | 39.183 | ng    | 98       |
| 58) Fluorene                  | 10.404 | 166  | 837455   | 37.969 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.175 | 232  | 223753   | 38.088 | ng    | 99       |
| 60) Diethylphthalate          | 10.281 | 149  | 872557   | 38.511 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204  | 410059   | 38.145 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.416 | 138  | 206357   | 38.442 | ng    | 96       |
| 63) Azobenzene                | 10.557 | 77   | 848359   | 37.947 | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.445 | 198  | 144659   | 42.483 | ng    | 96       |
| 66) n-Nitrosodiphenylamine    | 10.516 | 169  | 725930   | 38.301 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.886 | 248  | 266349   | 39.370 | ng    | 99       |
| 68) Hexachlorobenzene         | 10.951 | 284  | 295691   | 39.263 | ng    | 100      |
| 69) Atrazine                  | 11.045 | 200  | 232602   | 45.578 | ng    | 100      |
| 70) Pentachlorophenol         | 11.145 | 266  | 197563   | 40.964 | ng    | 98       |
| 71) Phenanthrene              | 11.363 | 178  | 1218633  | 38.629 | ng    | 100      |
| 72) Anthracene                | 11.416 | 178  | 1196532  | 39.007 | ng    | 100      |
| 73) Carbazole                 | 11.569 | 167  | 1103379  | 39.228 | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.904 | 149  | 1335342  | 41.484 | ng    | 100      |
| 75) Fluoranthene              | 12.557 | 202  | 1293108  | 41.075 | ng    | 99       |
| 77) Benzidine                 | 12.675 | 184  | 257777   | 35.755 | ng    | 99       |
| 78) Pyrene                    | 12.786 | 202  | 1283818  | 34.574 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.404 | 149  | 501012   | 40.468 | ng    | 100      |
| 81) Benzo(a)anthracene        | 13.974 | 228  | 963557   | 36.418 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.939 | 252  | 299684   | 35.572 | ng    | 99       |
| 83) Chrysene                  | 14.010 | 228  | 877121   | 35.430 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.969 | 149  | 637975   | 42.948 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.580 | 149  | 942173   | 42.002 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.892 | 276  | 912333   | 36.082 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.016 | 252  | 888943   | 39.944 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.045 | 252  | 703075   | 37.383 | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.380 | 252  | 702613   | 38.266 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.915 | 278  | 746329   | 36.494 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.333 | 276  | 772001   | 36.292 | ng    | 99       |

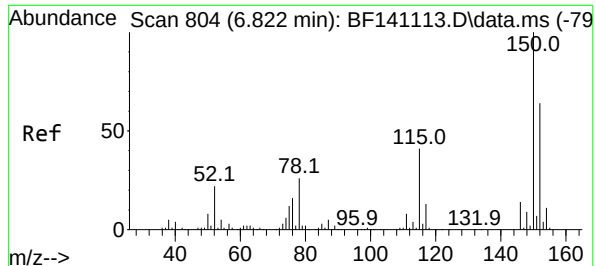
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On    : 16 Jan 2025  12:29  
Operator   : RC/JU  
Sample     : SSTDCCC040  
Misc       :  
ALS Vial   : 2    Sample Multiplier: 1
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**Instrument :**  
BNA\_F  
**ClientSampleId :**  
SSTDCCC040

Quant Time: Jan 16 12:50:02 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

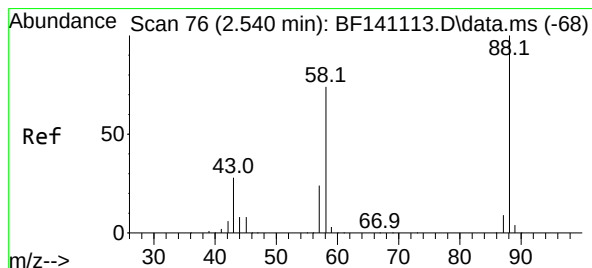
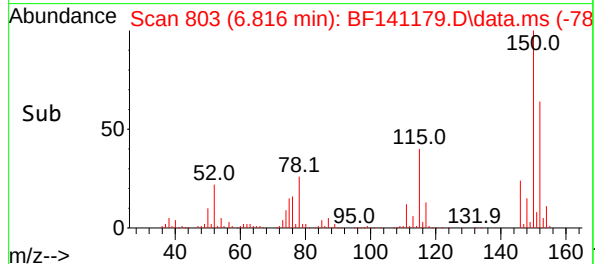
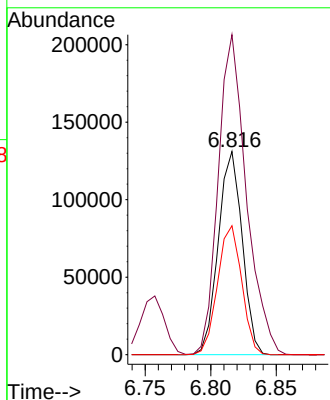
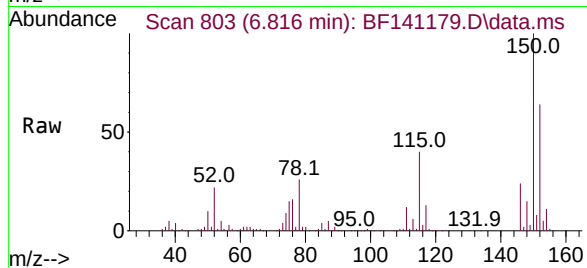




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.816 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

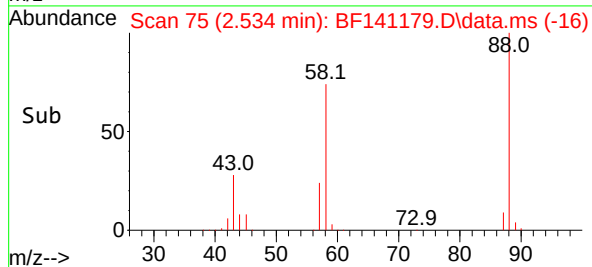
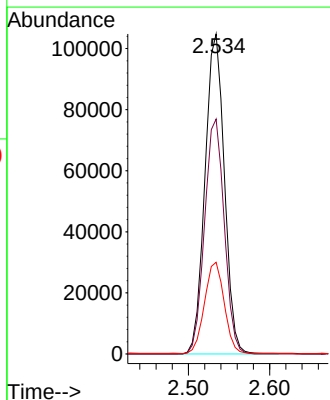
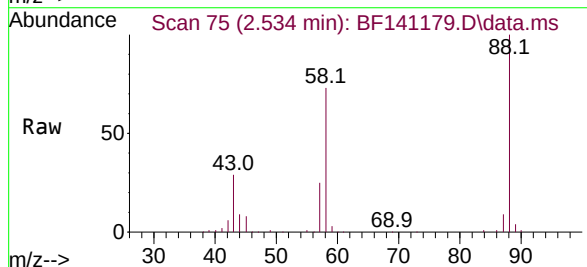
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

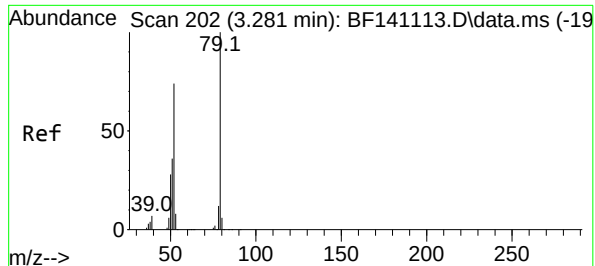
Tgt Ion:152 Resp: 166278  
Ion Ratio Lower Upper  
152 100  
150 157.4 125.8 188.8  
115 63.5 51.4 77.2



#2  
1,4-Dioxane  
Concen: 36.273 ng  
RT: 2.534 min Scan# 75  
Delta R.T. -0.006 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

Tgt Ion: 88 Resp: 173867  
Ion Ratio Lower Upper  
88 100  
58 74.2 60.1 90.1  
43 28.9 23.1 34.7

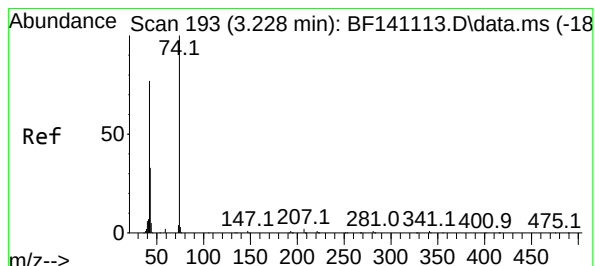
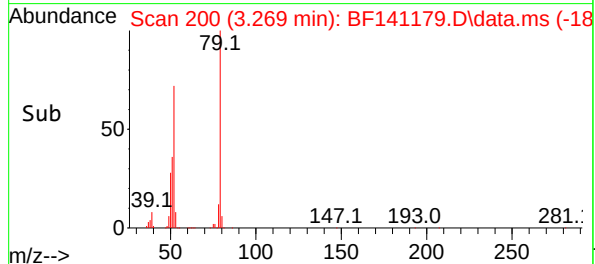
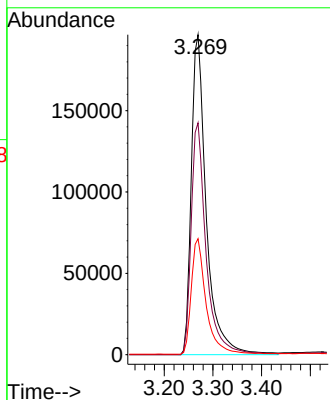
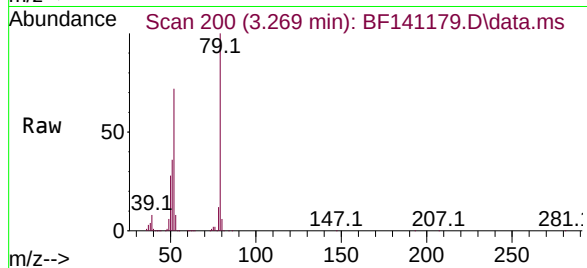




#3  
Pyridine  
Concen: 35.837 ng  
RT: 3.269 min Scan# 20  
Delta R.T. -0.012 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

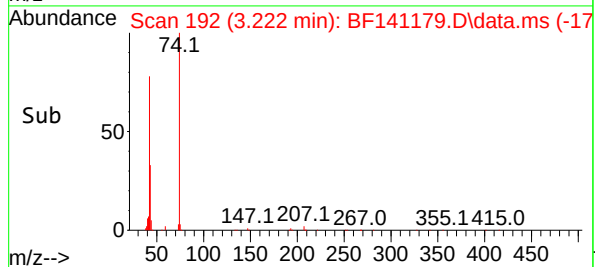
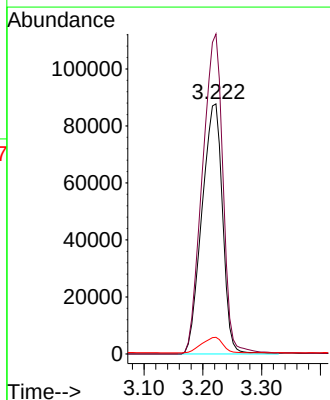
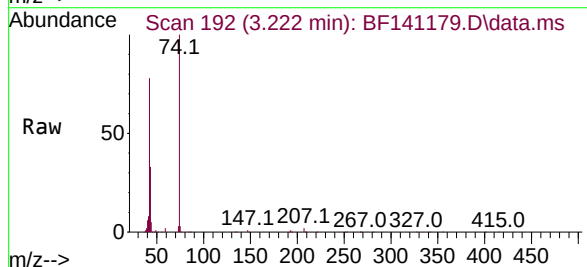
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

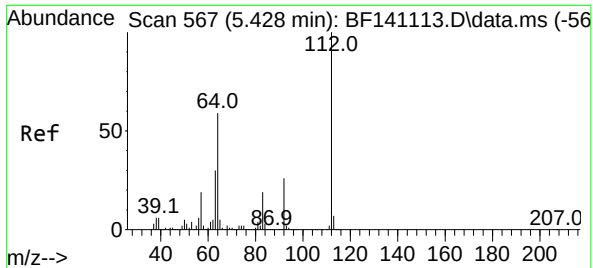
Tgt Ion: 79 Resp: 421233  
Ion Ratio Lower Upper  
79 100  
52 72.4 58.9 88.3  
51 36.3 29.1 43.7



#4  
n-Nitrosodimethylamine  
Concen: 37.273 ng  
RT: 3.222 min Scan# 192  
Delta R.T. -0.006 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

Tgt Ion: 42 Resp: 214221  
Ion Ratio Lower Upper  
42 100  
74 128.0 103.8 155.6  
44 6.7 5.3 7.9

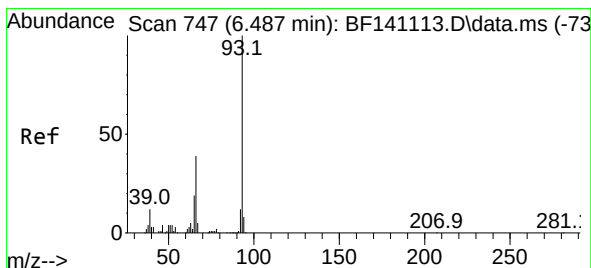
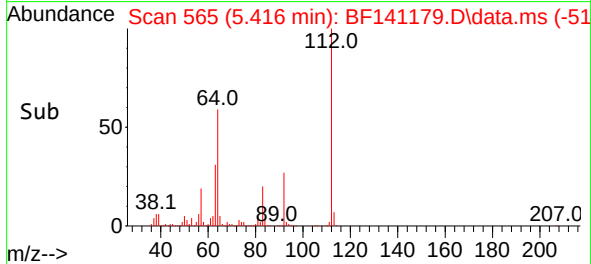
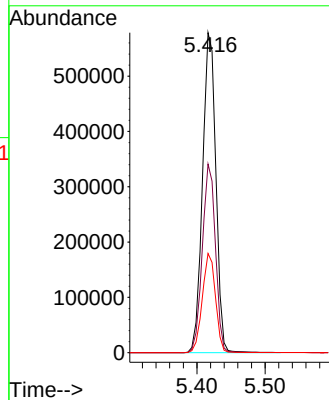
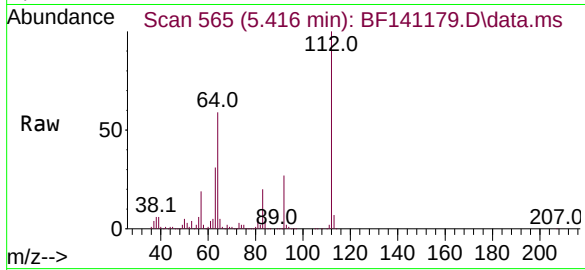




#5  
2-Fluorophenol  
Concen: 73.116 ng  
RT: 5.416 min Scan# 50  
Delta R.T. -0.012 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

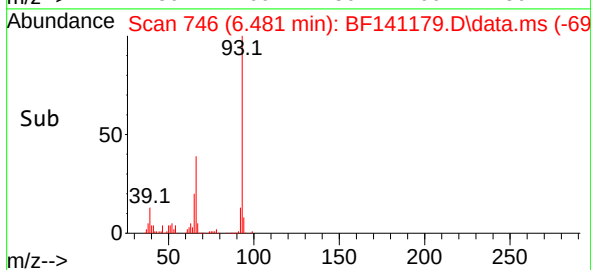
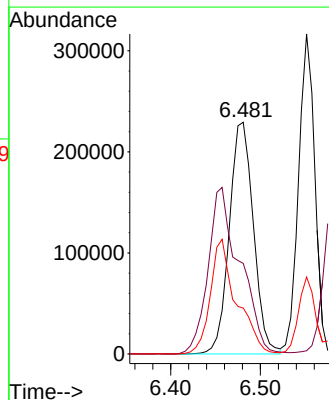
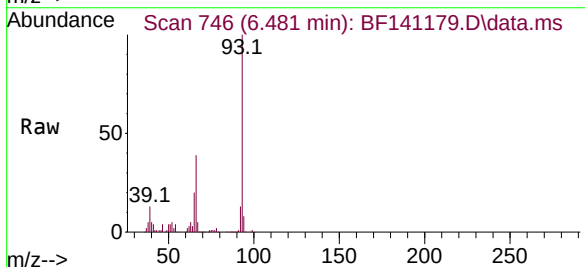
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

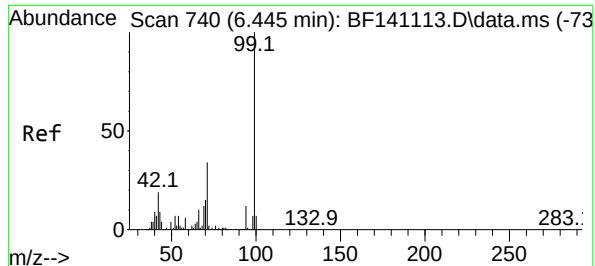
Tgt Ion:112 Resp: 786998  
Ion Ratio Lower Upper  
112 100  
64 58.9 47.3 70.9  
63 31.0 24.2 36.2



#6  
Aniline  
Concen: 35.432 ng  
RT: 6.481 min Scan# 746  
Delta R.T. -0.006 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

Tgt Ion: 93 Resp: 428915  
Ion Ratio Lower Upper  
93 100  
66 39.1 31.5 47.3  
65 19.8 15.3 22.9

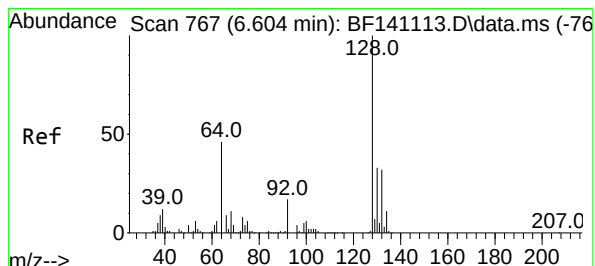
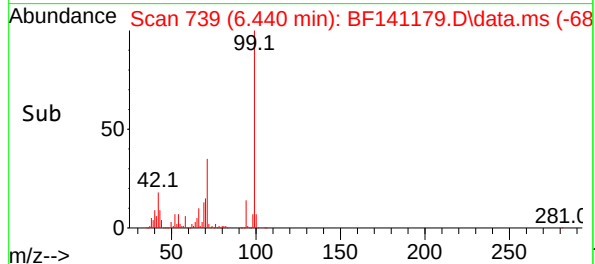
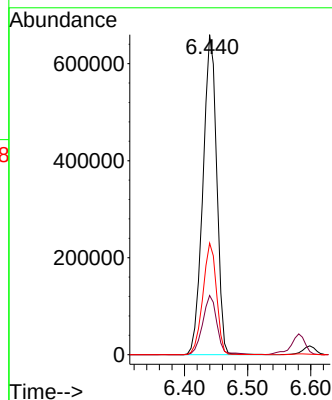
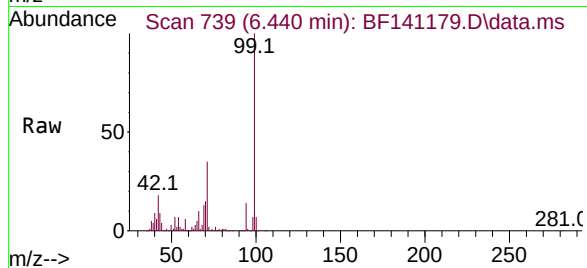




#7  
Phenol-d6  
Concen: 73.472 ng  
RT: 6.440 min Scan# 740  
Delta R.T. -0.006 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

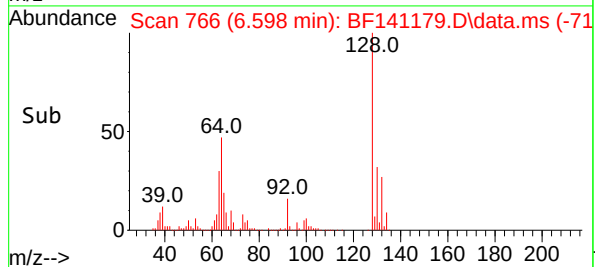
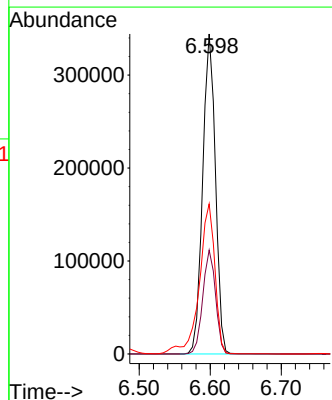
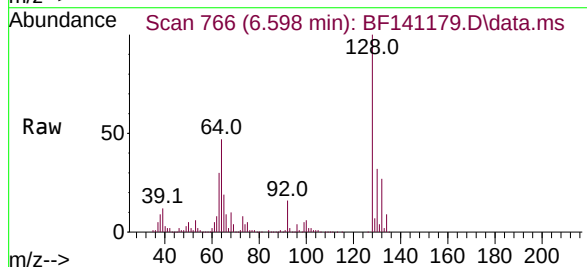
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

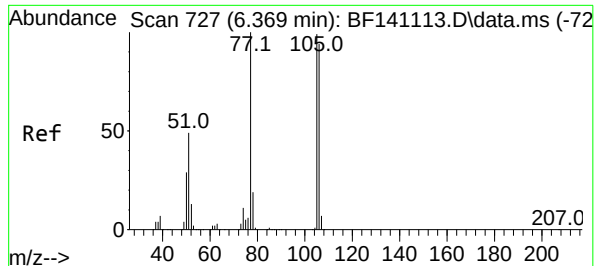
Tgt Ion: 99 Resp: 1001748  
Ion Ratio Lower Upper  
99 100  
42 18.5 15.0 22.4  
71 34.9 27.6 41.4



#8  
2-Chlorophenol  
Concen: 37.330 ng  
RT: 6.598 min Scan# 766  
Delta R.T. -0.006 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

Tgt Ion: 128 Resp: 431087  
Ion Ratio Lower Upper  
128 100  
130 32.4 12.5 52.5  
64 46.9 28.3 68.3





#9

Benzaldehyde

Concen: 43.793 ng

RT: 6.363 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

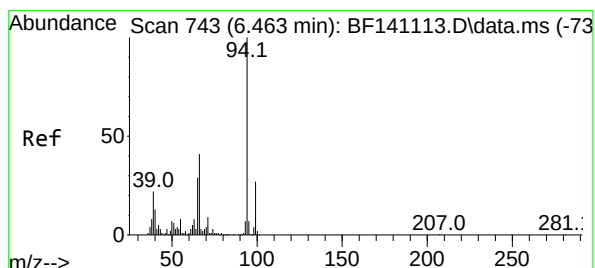
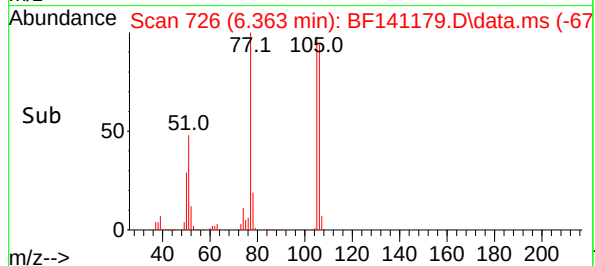
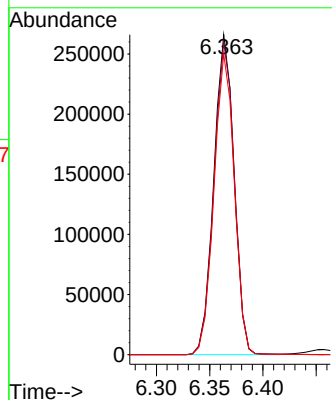
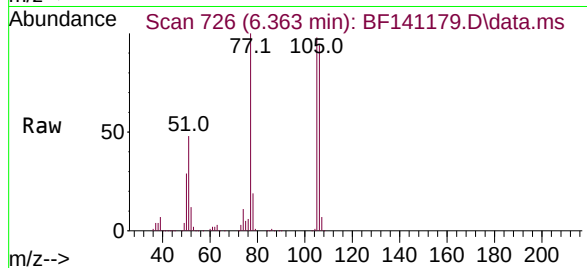
Tgt Ion: 77 Resp: 351666

Ion Ratio Lower Upper

77 100

105 97.6 78.9 118.9

106 93.9 73.6 113.6



#10

Phenol

Concen: 36.500 ng

RT: 6.457 min Scan# 742

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

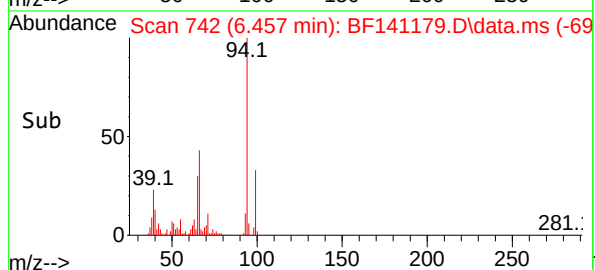
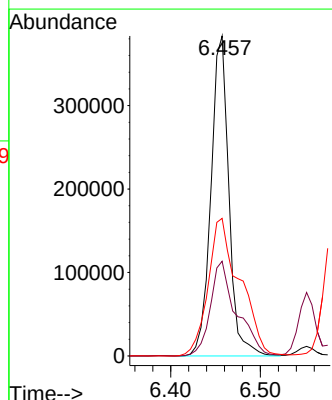
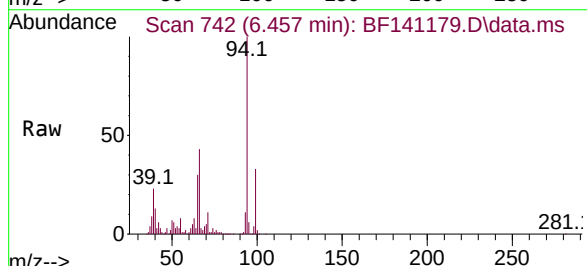
Tgt Ion: 94 Resp: 532722

Ion Ratio Lower Upper

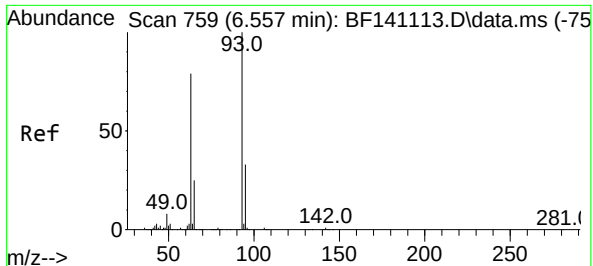
94 100

65 29.6 8.9 48.9

66 43.0 21.2 61.2







#11

bis(2-Chloroethyl)ether

Concen: 36.646 ng

RT: 6.551 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

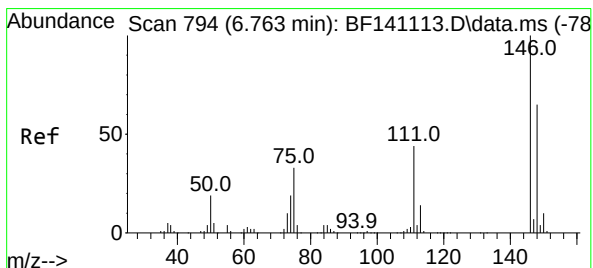
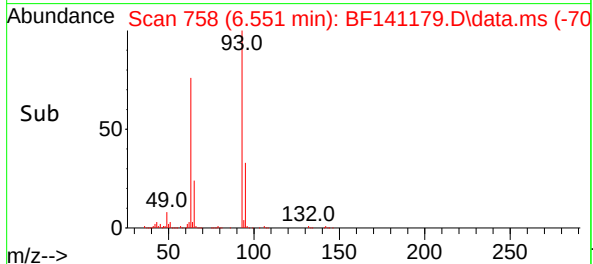
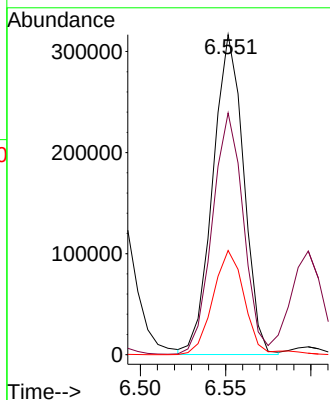
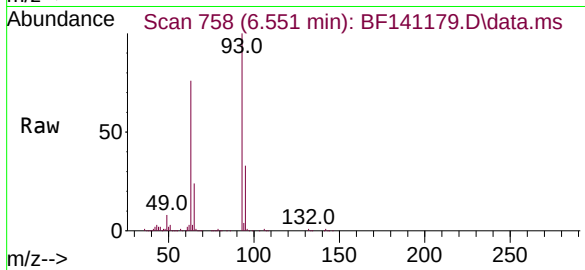
Tgt Ion: 93 Resp: 398598

Ion Ratio Lower Upper

93 100

63 75.6 58.0 98.0

95 32.5 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 37.311 ng

RT: 6.757 min Scan# 793

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

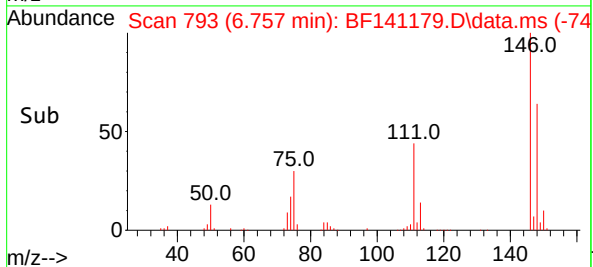
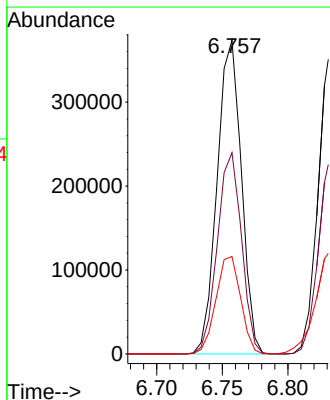
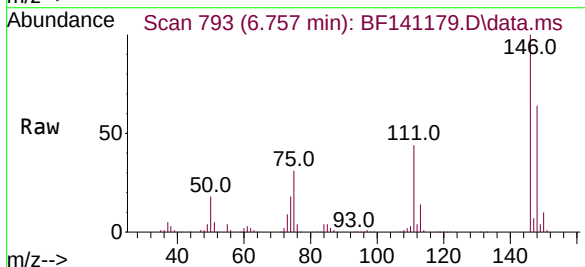
Tgt Ion:146 Resp: 480561

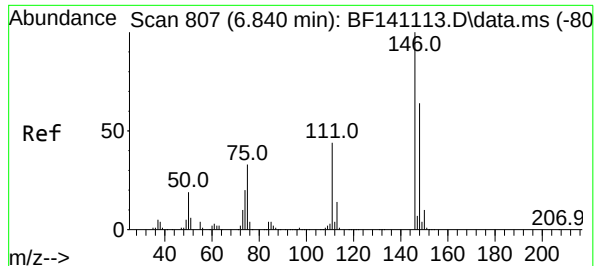
Ion Ratio Lower Upper

146 100

148 64.2 51.6 77.4

75 31.1 26.2 39.2





#13

1,4-Dichlorobenzene

Concen: 36.711 ng

RT: 6.834 min Scan# 807

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

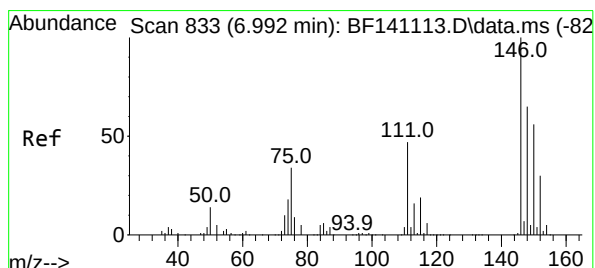
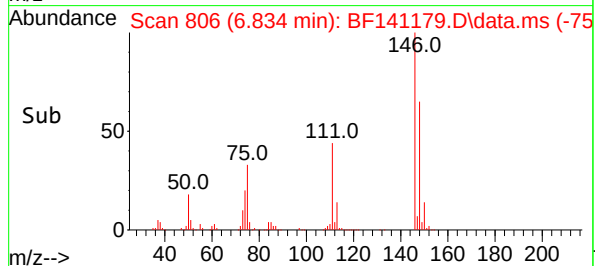
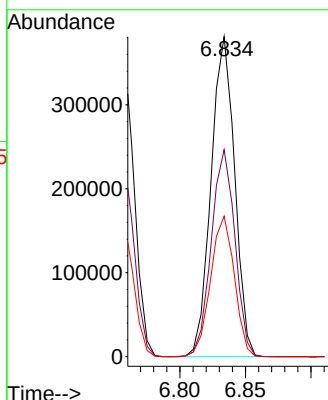
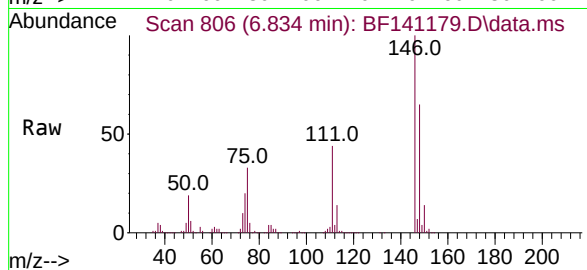
Tgt Ion:146 Resp: 476477

Ion Ratio Lower Upper

146 100

148 64.7 51.0 76.6

111 43.9 34.9 52.3



#14

1,2-Dichlorobenzene

Concen: 37.341 ng

RT: 6.987 min Scan# 832

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

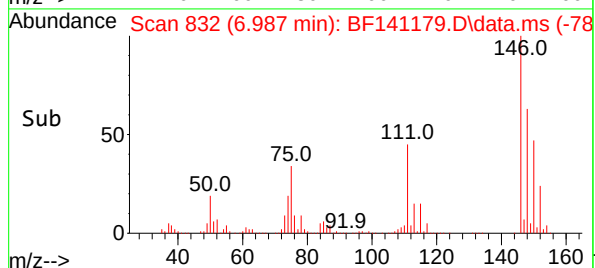
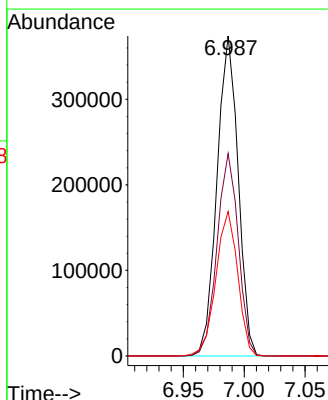
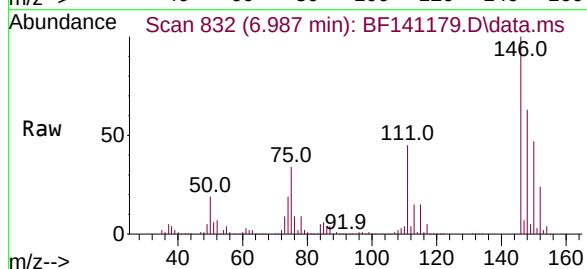
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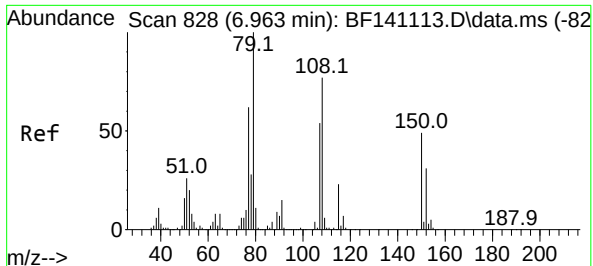
Ion Ratio Lower Upper

146 100

148 63.3 52.2 78.4

111 45.1 37.5 56.3





#15

Benzyl Alcohol

Concen: 37.426 ng

RT: 6.957 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

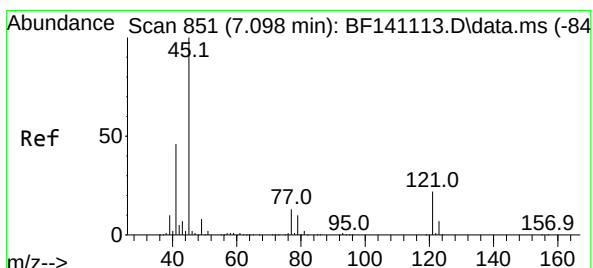
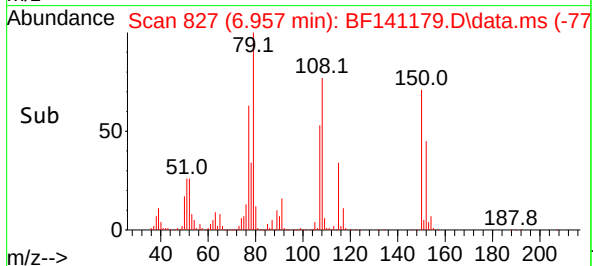
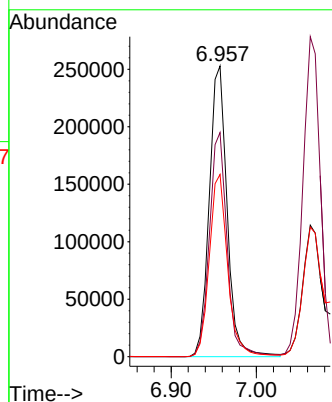
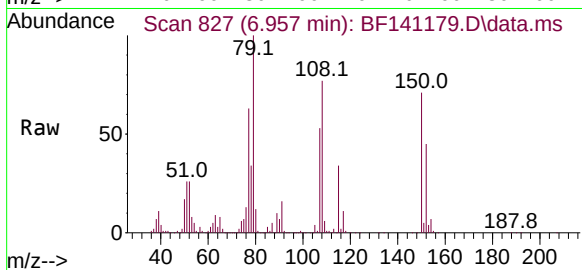
Tgt Ion: 79 Resp: 368515

Ion Ratio Lower Upper

79 100

108 77.1 61.4 92.0

77 62.7 49.8 74.6



#16

2,2'-oxybis(1-chloropropane)

Concen: 36.168 ng

RT: 7.093 min Scan# 850

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

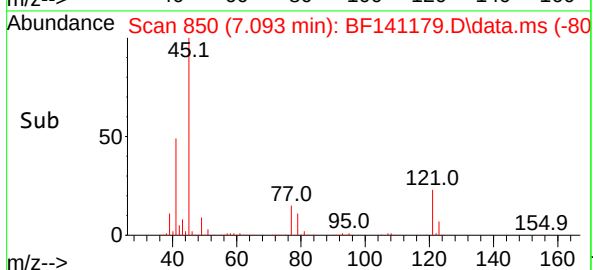
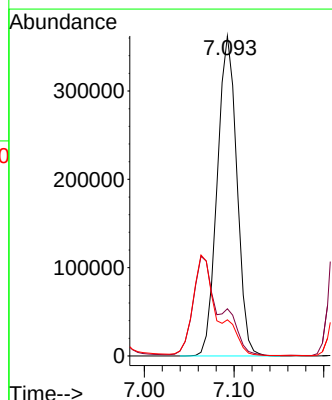
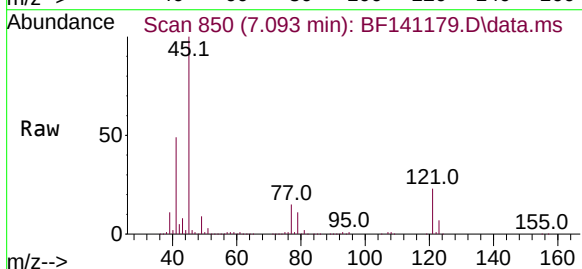
Tgt Ion: 45 Resp: 548966

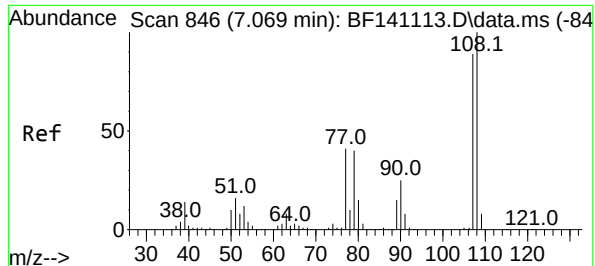
Ion Ratio Lower Upper

45 100

77 14.8 0.0 34.1

79 11.3 0.0 31.0





#17

2-Methylphenol

Concen: 36.817 ng

RT: 7.063 min Scan# 84

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:107 Resp: 343251

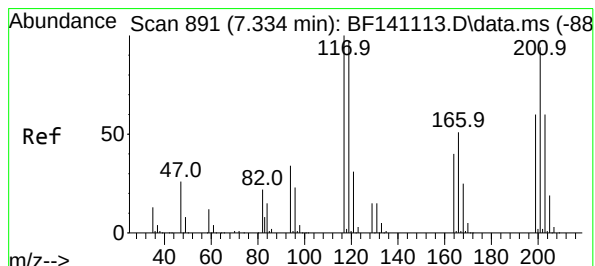
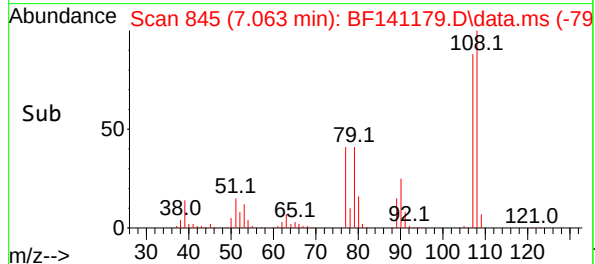
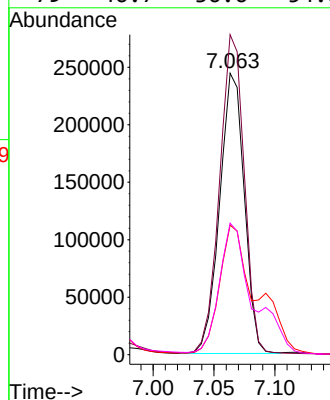
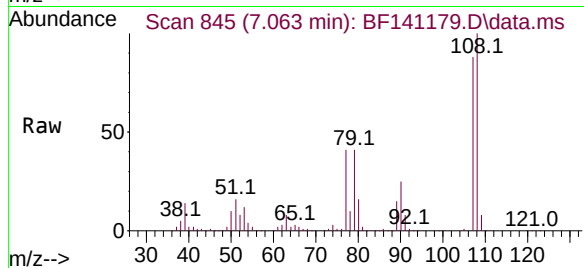
Ion Ratio Lower Upper

107 100

108 113.7 90.1 135.1

77 46.1 36.6 55.0

79 46.7 36.6 54.8



#18

Hexachloroethane

Concen: 37.913 ng

RT: 7.328 min Scan# 890

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

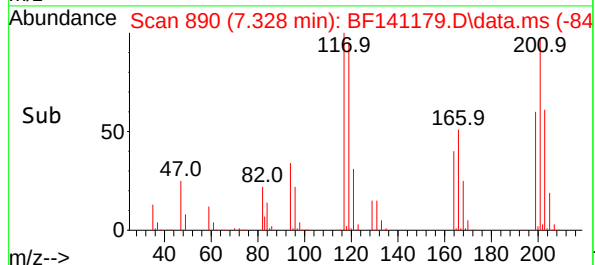
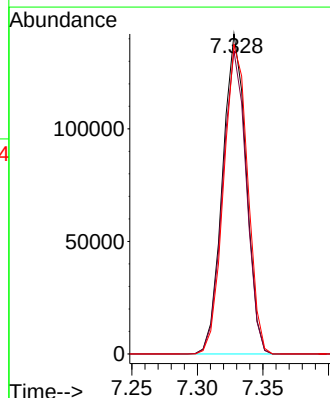
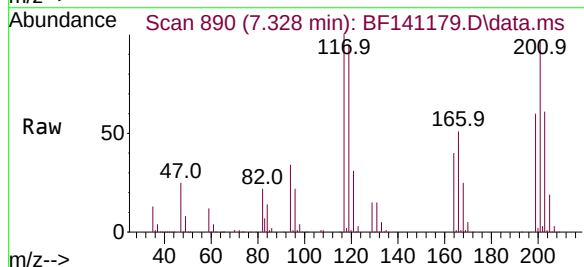
Tgt Ion:117 Resp: 177947

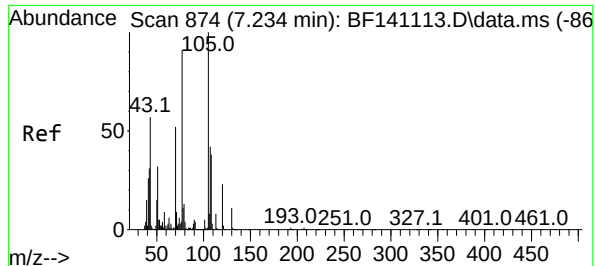
Ion Ratio Lower Upper

117 100

119 94.7 77.6 116.4

201 96.6 75.1 112.7





#19

n-Nitroso-di-n-propylamine

Concen: 37.334 ng

RT: 7.228 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 70 Resp: 299855

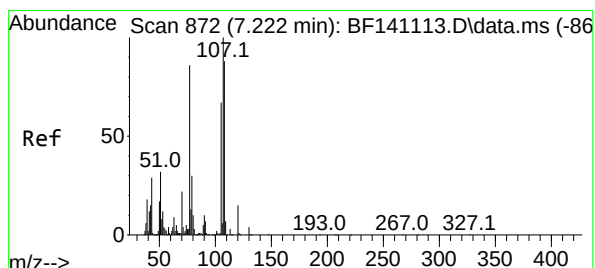
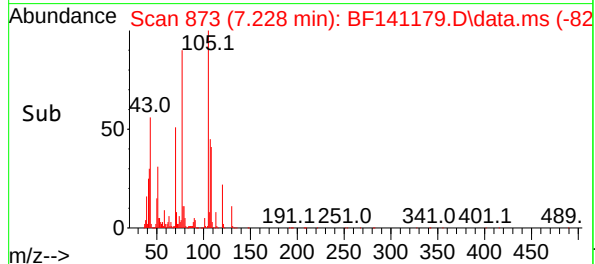
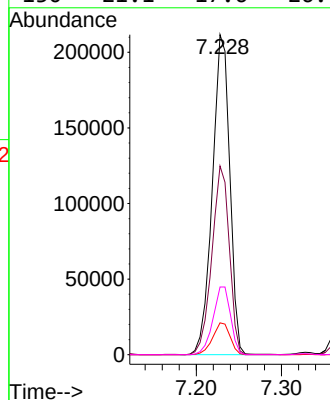
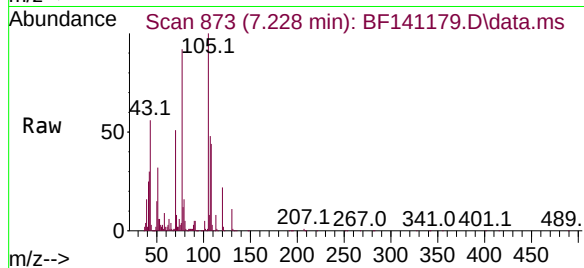
Ion Ratio Lower Upper

70 100

42 58.9 47.8 71.6

101 9.9 7.9 11.9

130 21.1 17.6 26.4



#20

3+4-Methylphenols

Concen: 36.705 ng

RT: 7.222 min Scan# 872

Delta R.T. 0.000 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Tgt Ion: 107 Resp: 431738

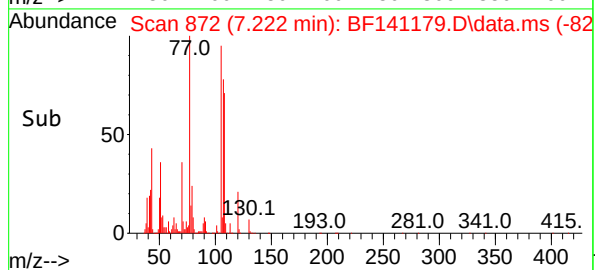
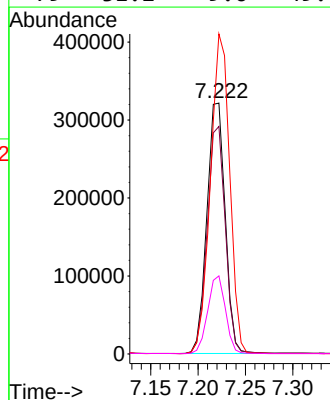
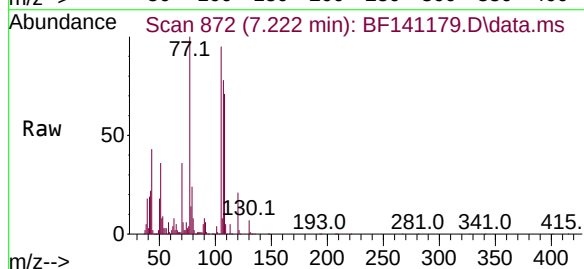
Ion Ratio Lower Upper

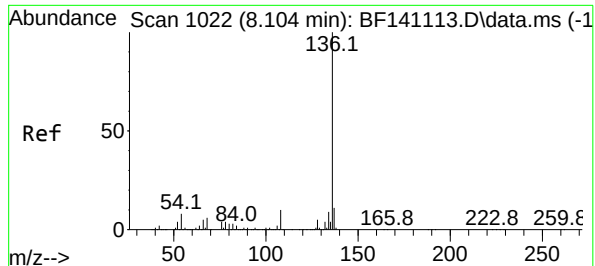
107 100

108 90.7 68.3 108.3

77 127.6 66.4 106.4#

79 31.2 9.6 49.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:136 Resp: 639453

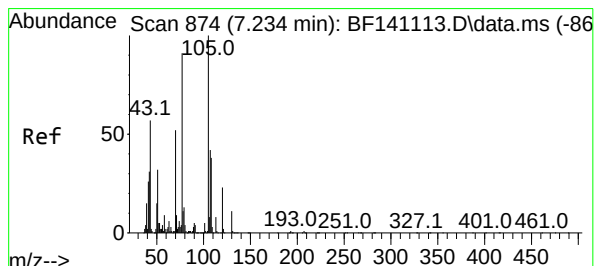
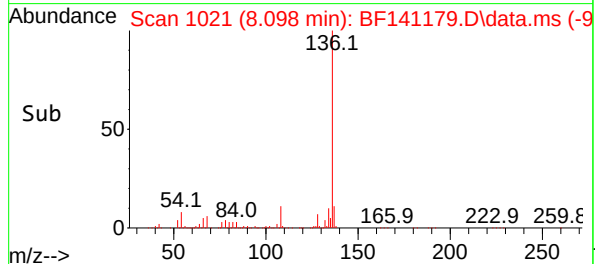
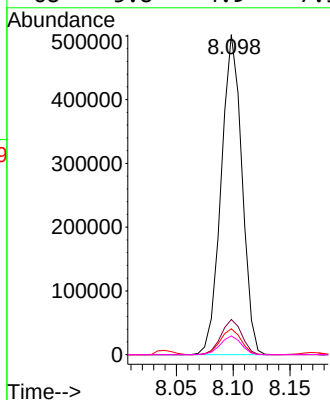
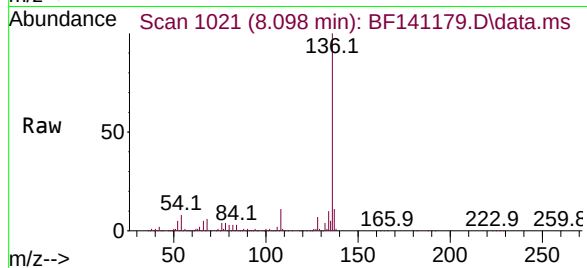
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 8.1 6.3 9.5

68 5.8 4.9 7.3



#22

Acetophenone

Concen: 37.590 ng

RT: 7.228 min Scan# 873

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Tgt Ion:105 Resp: 571425

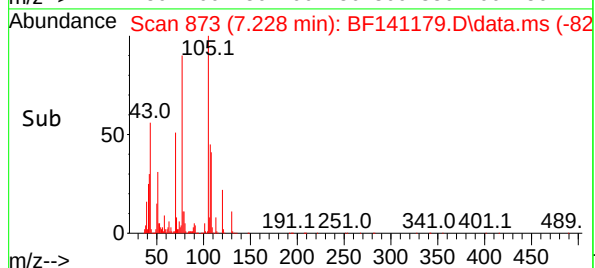
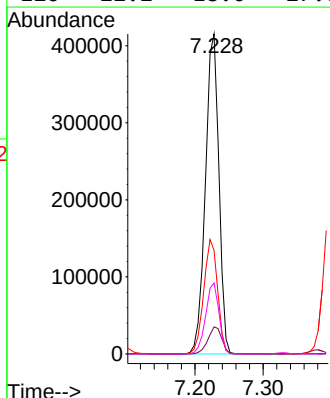
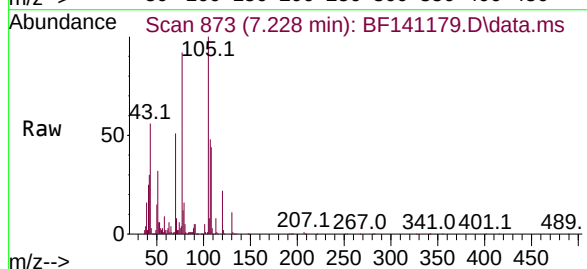
Ion Ratio Lower Upper

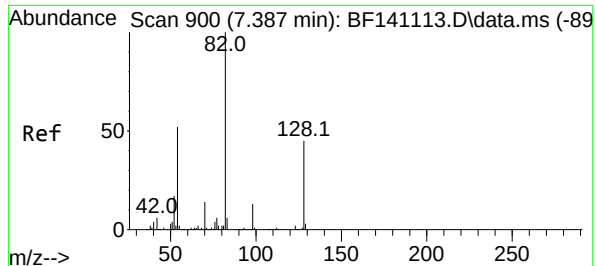
105 100

71 8.4 7.1 10.7

51 32.4 25.4 38.2

120 22.2 18.0 27.0





#23

Nitrobenzene-d5

Concen: 74.505 ng

RT: 7.381 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

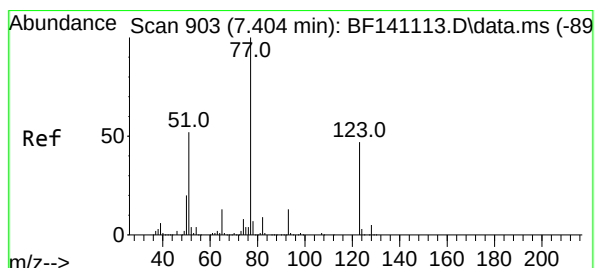
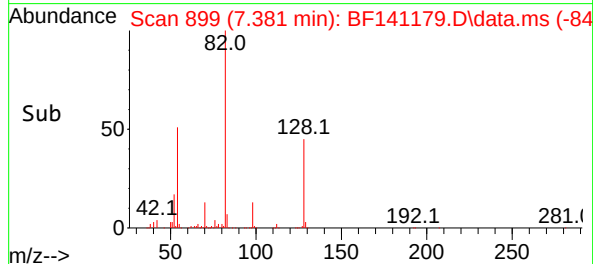
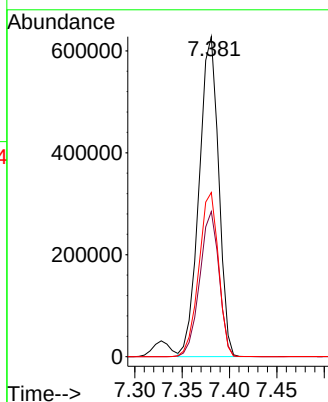
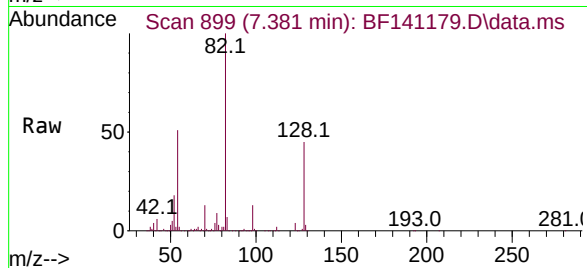
Tgt Ion: 82 Resp: 898772

Ion Ratio Lower Upper

82 100

128 45.4 36.1 54.1

54 51.3 41.0 61.4



#24

Nitrobenzene

Concen: 37.297 ng

RT: 7.398 min Scan# 902

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

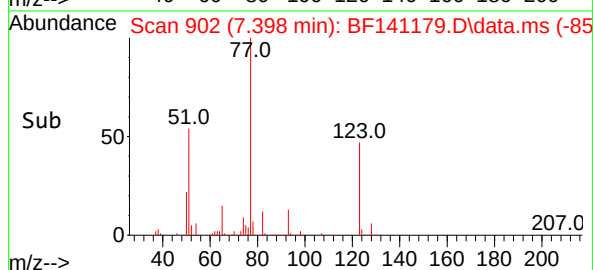
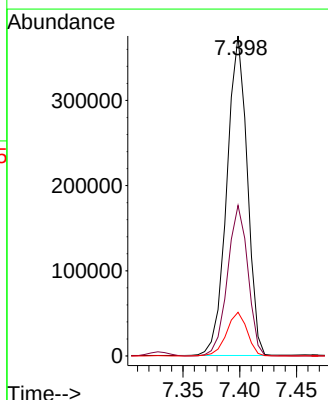
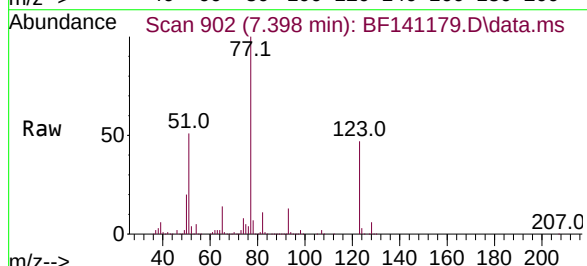
Tgt Ion: 77 Resp: 468910

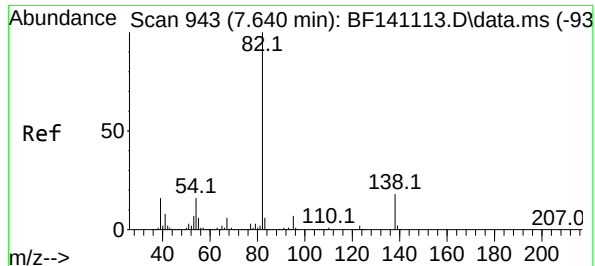
Ion Ratio Lower Upper

77 100

123 47.1 37.7 56.5

65 13.7 10.6 16.0





#25

Isophorone

Concen: 38.211 ng

RT: 7.640 min Scan# 943

Delta R.T. 0.000 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

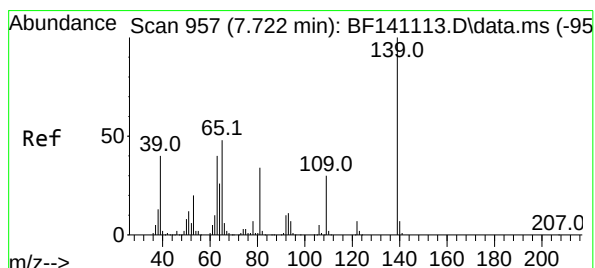
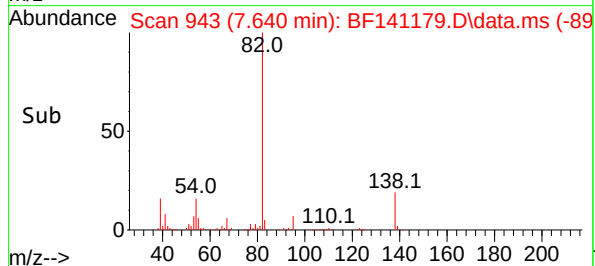
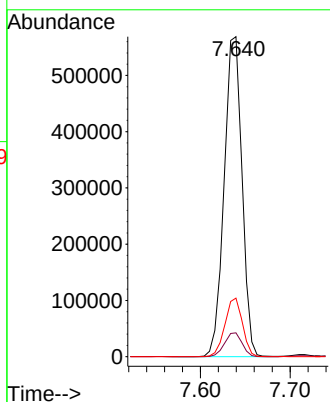
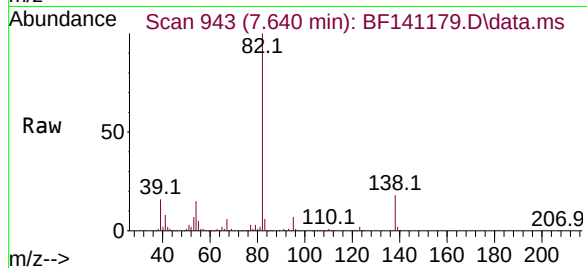
Tgt Ion: 82 Resp: 787742

Ion Ratio Lower Upper

82 100

95 7.4 5.9 8.9

138 18.3 14.2 21.2



#26

2-Nitrophenol

Concen: 37.891 ng

RT: 7.716 min Scan# 956

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

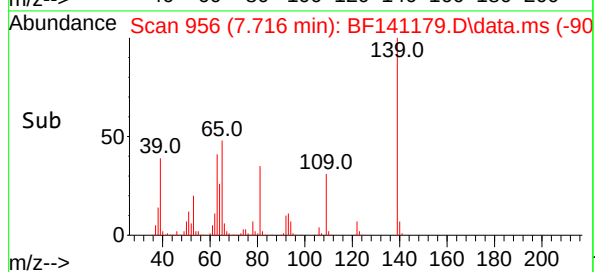
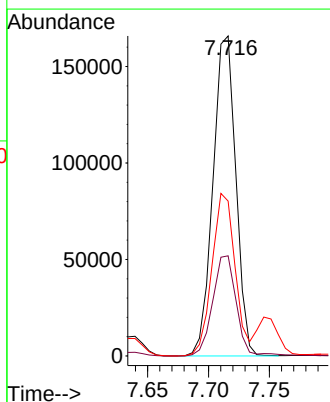
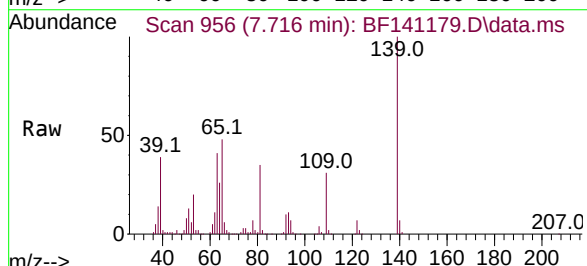
Tgt Ion:139 Resp: 216700

Ion Ratio Lower Upper

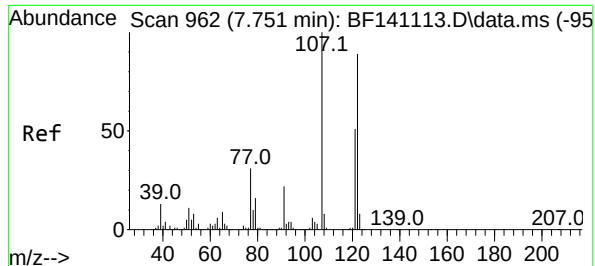
139 100

109 31.3 23.8 35.6

65 48.4 38.5 57.7







#27

2,4-Dimethylphenol

Concen: 38.167 ng

RT: 7.745 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

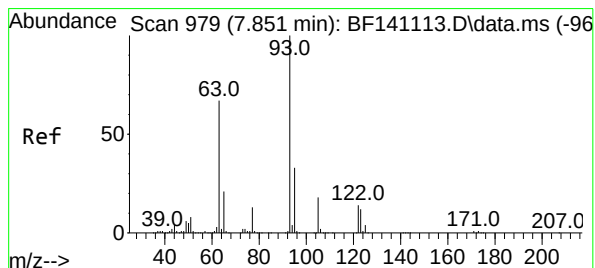
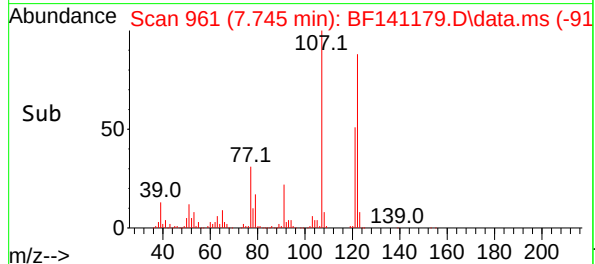
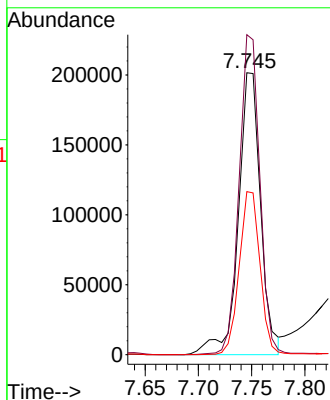
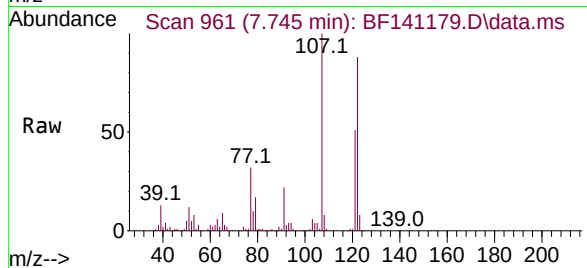
Tgt Ion:122 Resp: 294422

Ion Ratio Lower Upper

122 100

107 113.5 90.3 135.5

121 57.8 46.5 69.7



#28

bis(2-Chloroethoxy)methane

Concen: 37.998 ng

RT: 7.851 min Scan# 979

Delta R.T. 0.000 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

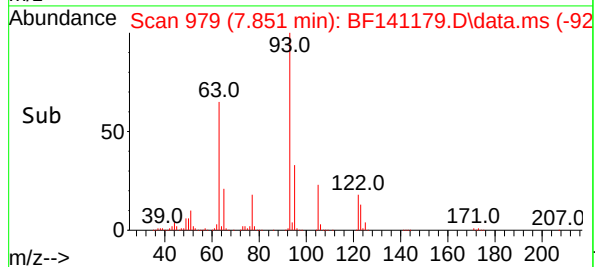
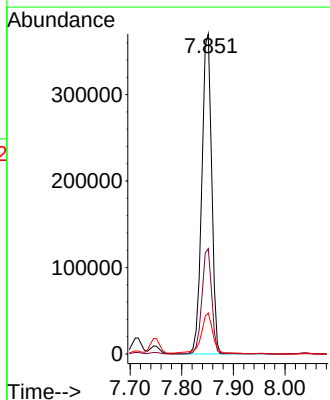
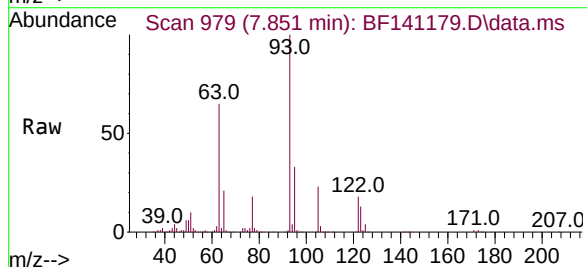
Tgt Ion: 93 Resp: 491614

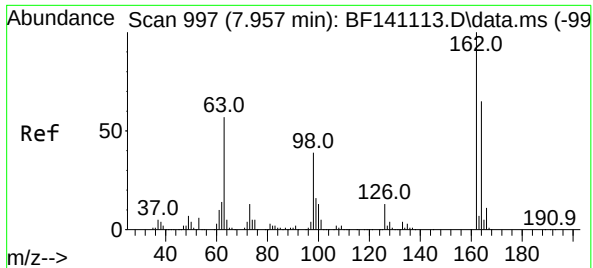
Ion Ratio Lower Upper

93 100

95 32.9 26.2 39.4

123 12.8 10.1 15.1





#29

2,4-Dichlorophenol

Concen: 38.005 ng

RT: 7.951 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

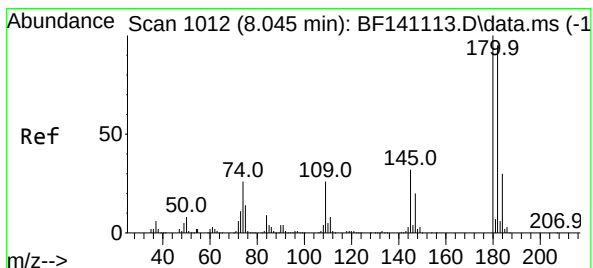
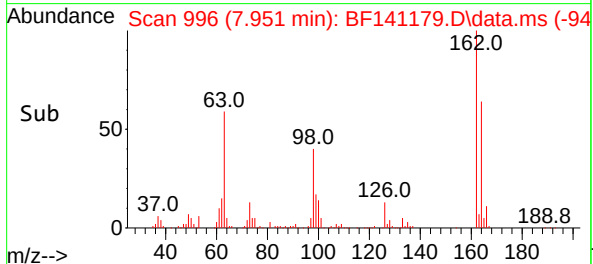
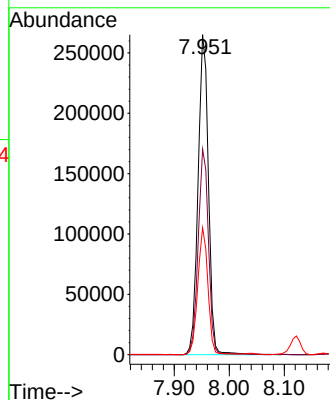
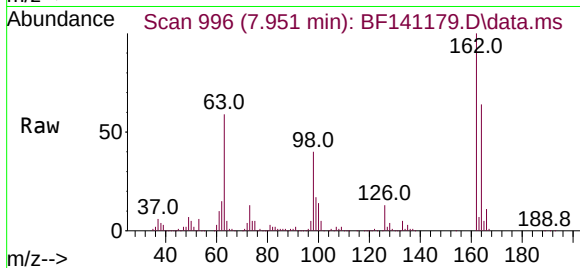
Tgt Ion:162 Resp: 348192

Ion Ratio Lower Upper

162 100

164 64.2 44.5 84.5

98 39.7 18.5 58.5



#30

1,2,4-Trichlorobenzene

Concen: 37.984 ng

RT: 8.040 min Scan# 1011

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

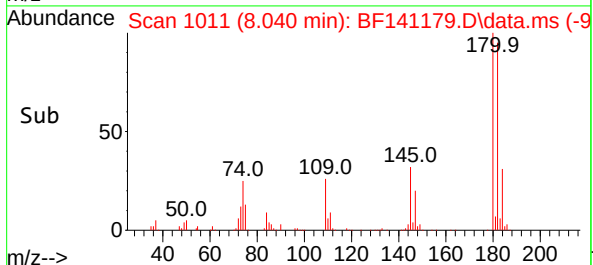
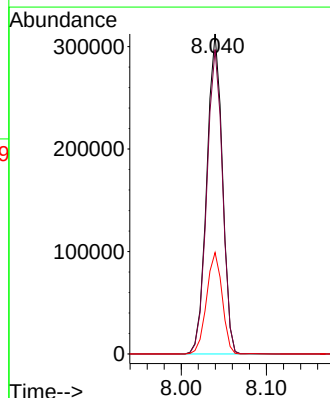
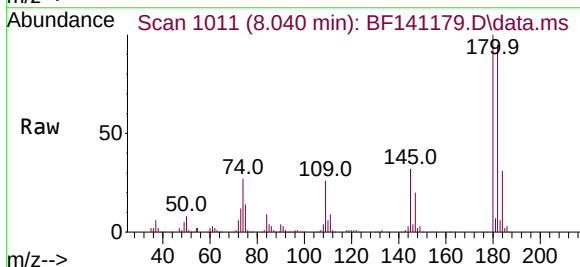
Tgt Ion:180 Resp: 397778

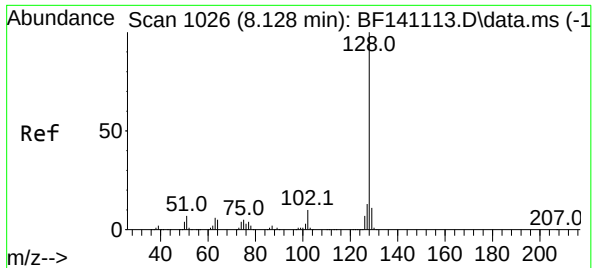
Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.2

145 31.7 25.3 37.9





#31

Naphthalene

Concen: 37.658 ng

RT: 8.122 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

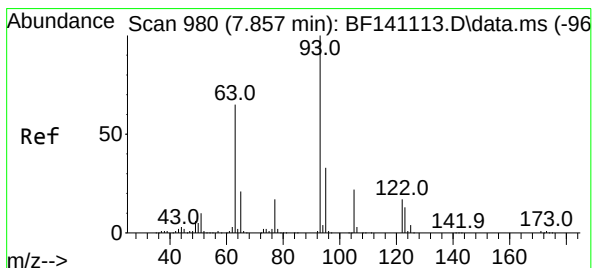
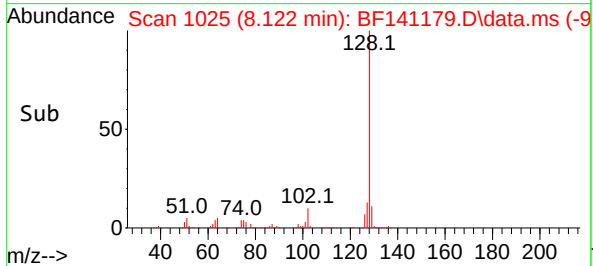
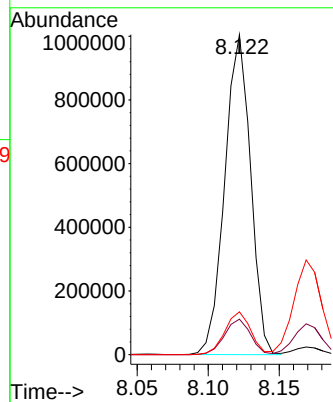
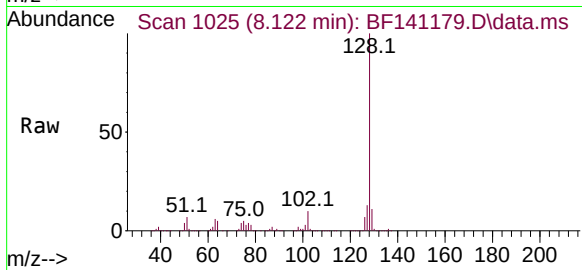
Tgt Ion:128 Resp: 1269914

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

127 13.4 10.8 16.2



#32

Benzoic acid

Concen: 39.233 ng

RT: 7.863 min Scan# 981

Delta R.T. 0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

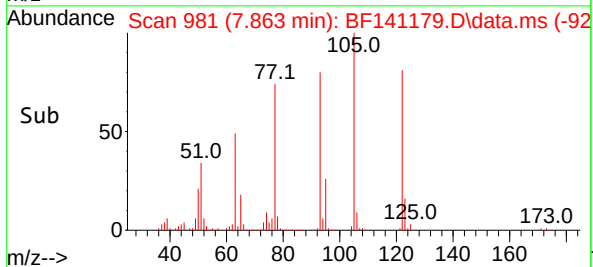
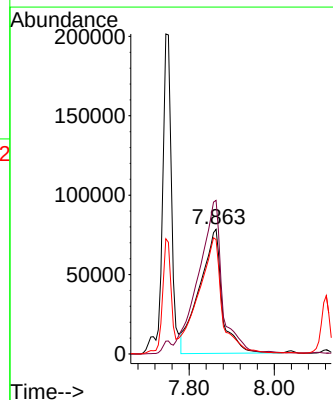
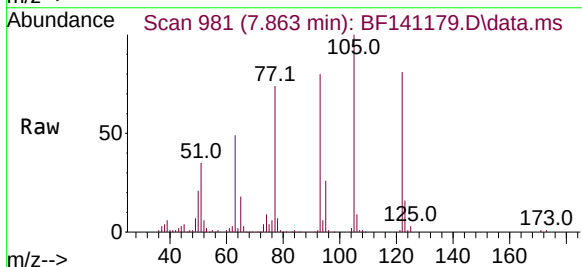
Tgt Ion:122 Resp: 290326

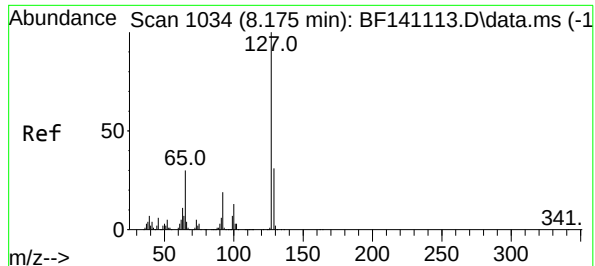
Ion Ratio Lower Upper

122 100

105 123.2 105.5 145.5

77 91.7 75.1 115.1





#33

4-Chloroaniline

Concen: 35.820 ng

RT: 8.169 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:127 Resp: 417748

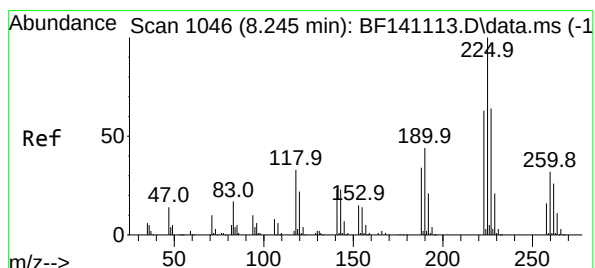
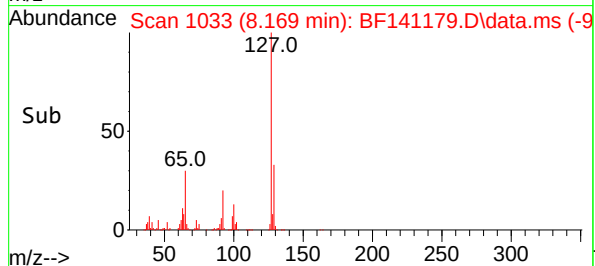
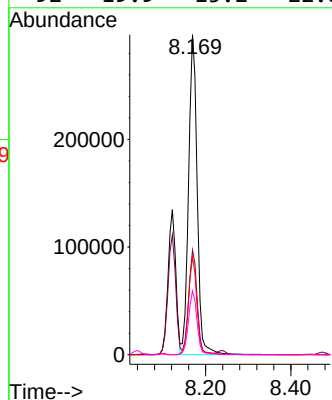
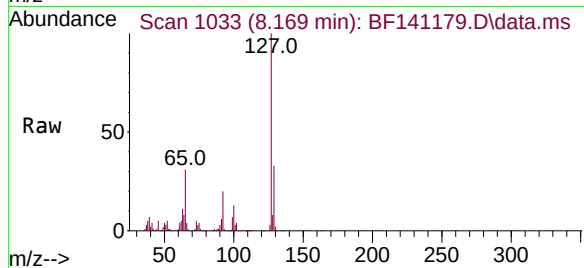
Ion Ratio Lower Upper

127 100

129 32.7 25.9 38.9

65 30.6 23.8 35.8

92 19.9 15.2 22.8



#34

Hexachlorobutadiene

Concen: 38.471 ng

RT: 8.240 min Scan# 1045

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

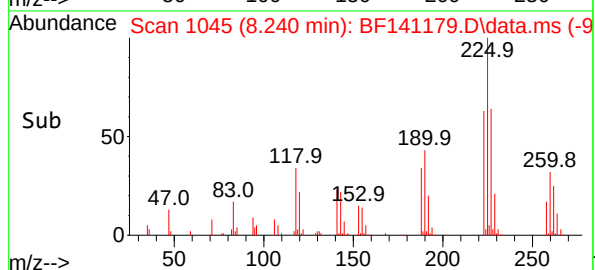
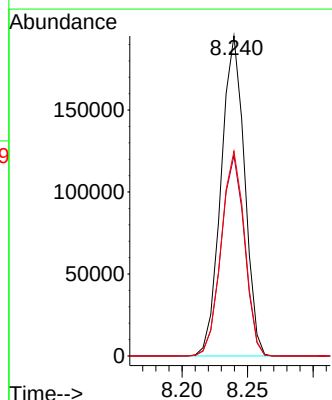
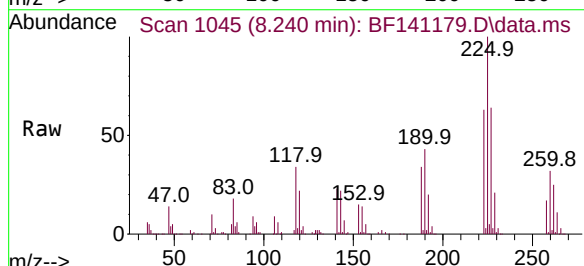
Tgt Ion:225 Resp: 242757

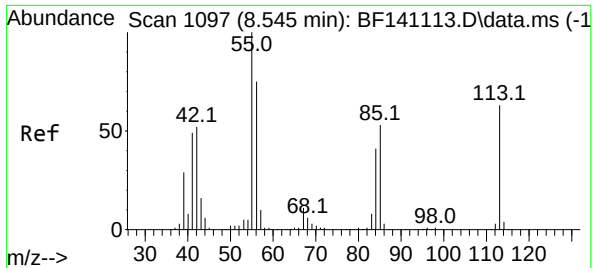
Ion Ratio Lower Upper

225 100

223 62.6 50.6 76.0

227 64.0 51.6 77.4





#35

Caprolactam

Concen: 39.068 ng

RT: 8.540 min Scan# 1109

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

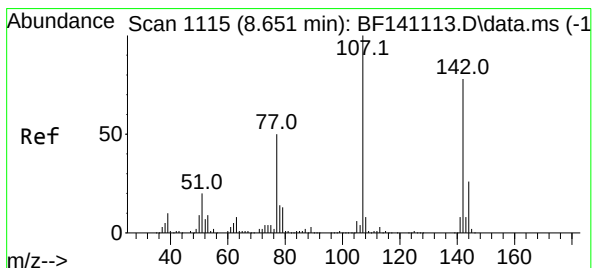
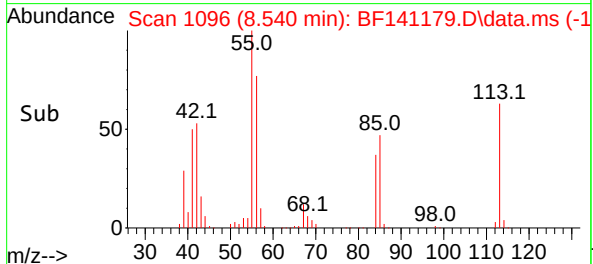
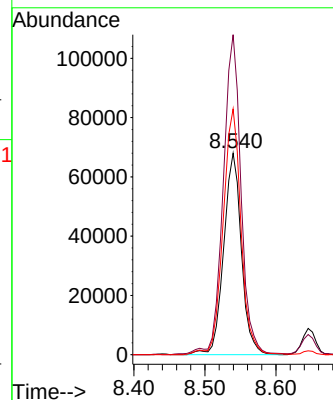
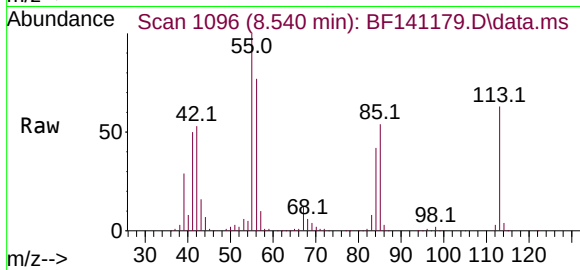
Tgt Ion:113 Resp: 117185

Ion Ratio Lower Upper

113 100

55 158.8 139.7 179.7

56 121.9 99.4 139.4



#36

4-Chloro-3-methylphenol

Concen: 38.378 ng

RT: 8.645 min Scan# 1114

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

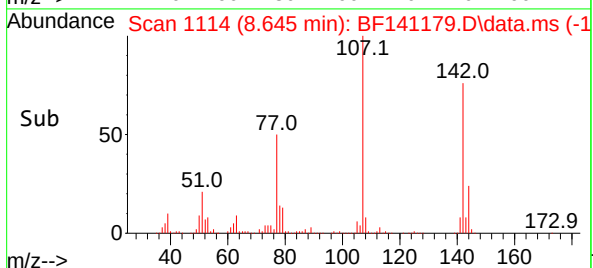
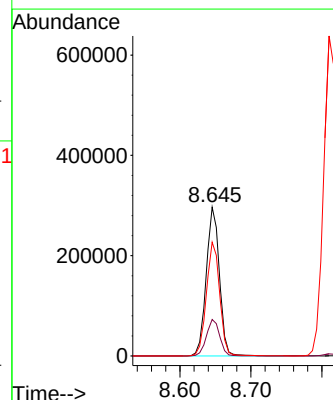
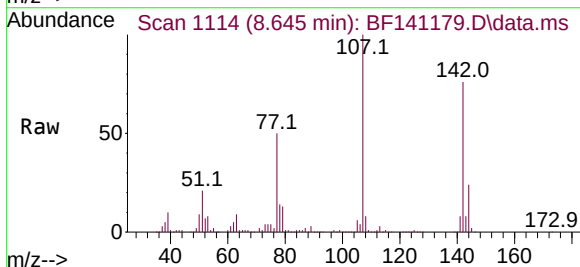
Tgt Ion:107 Resp: 384536

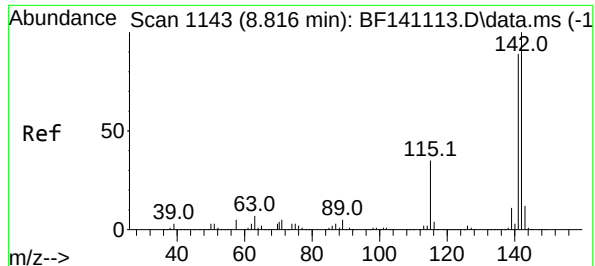
Ion Ratio Lower Upper

107 100

144 24.5 20.4 30.6

142 76.4 62.2 93.2





#37

2-Methylnaphthalene

Concen: 38.270 ng

RT: 8.810 min Scan# 1143

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

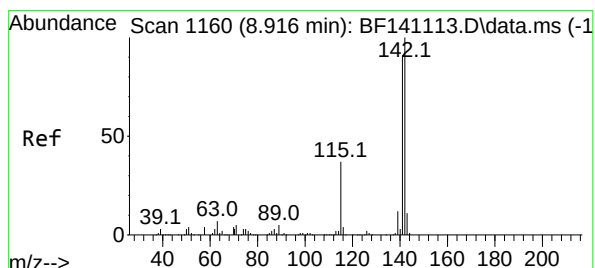
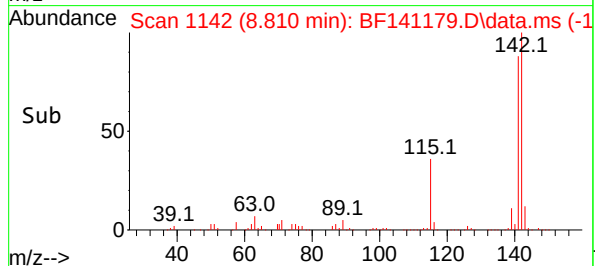
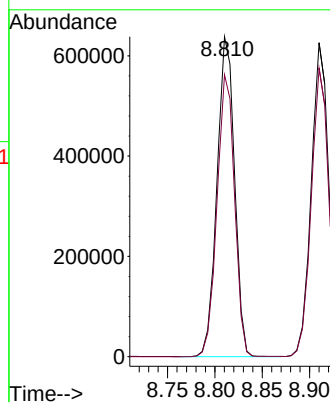
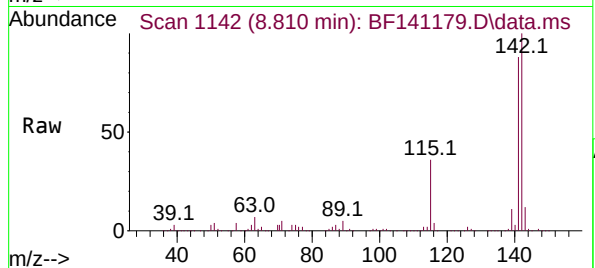
SSTDCCC040

Tgt Ion:142 Resp: 822388

Ion Ratio Lower Upper

142 100

141 88.1 71.3 106.9



#38

1-Methylnaphthalene

Concen: 37.564 ng

RT: 8.910 min Scan# 1159

Delta R.T. -0.006 min

Lab File: BF141179.D

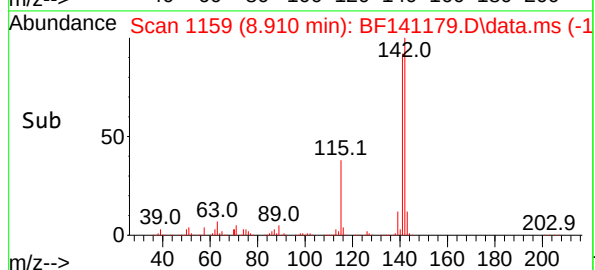
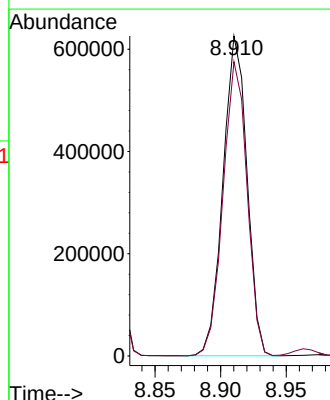
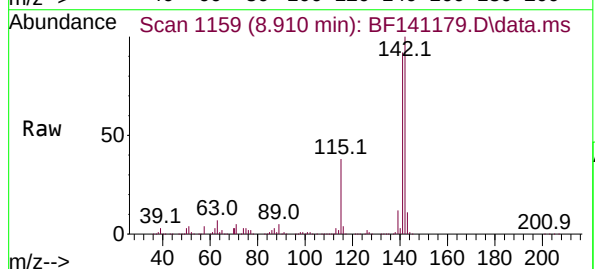
Acq: 16 Jan 2025 12:29

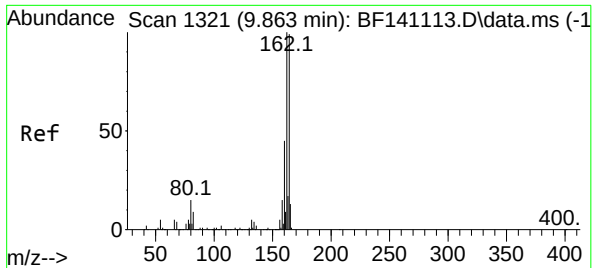
Tgt Ion:142 Resp: 795537

Ion Ratio Lower Upper

142 100

141 92.0 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 1170

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

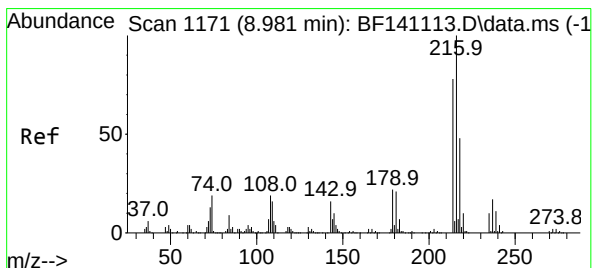
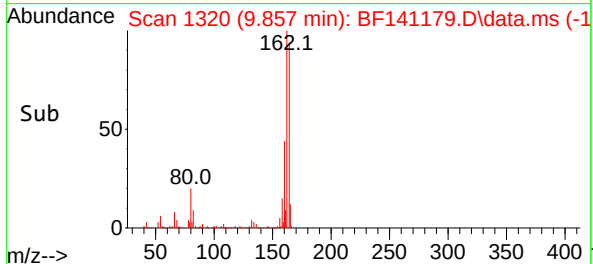
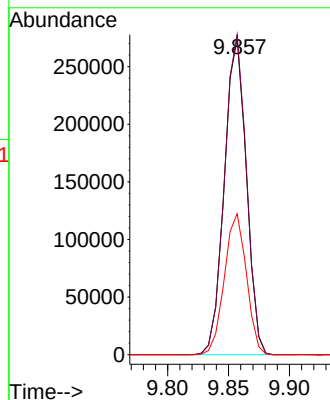
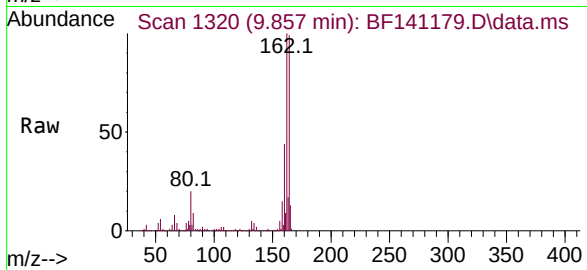
Tgt Ion:164 Resp: 345703

Ion Ratio Lower Upper

164 100

162 101.2 81.0 121.4

160 44.6 36.1 54.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 37.848 ng

RT: 8.975 min Scan# 1170

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Tgt Ion:216 Resp: 375540

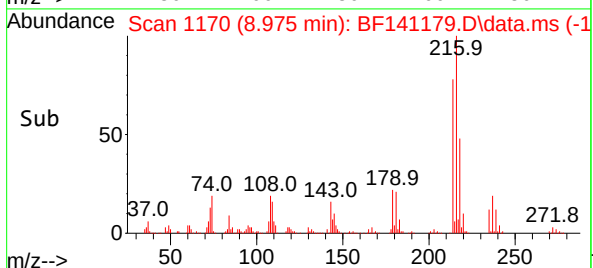
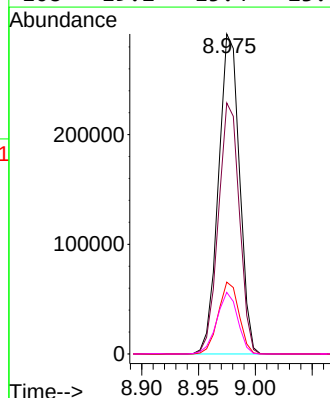
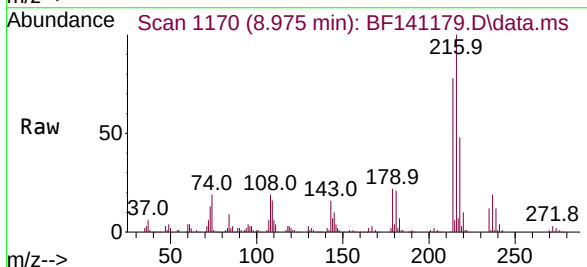
Ion Ratio Lower Upper

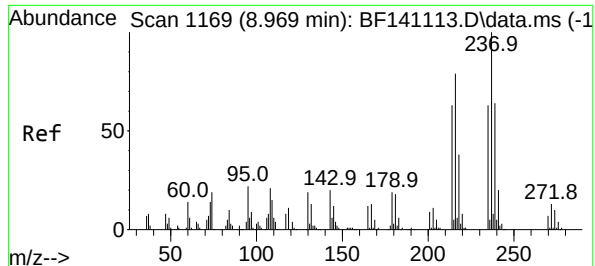
216 100

214 78.1 62.6 94.0

179 22.1 17.7 26.5

108 19.2 15.4 23.0





#41

Hexachlorocyclopentadiene

Concen: 42.227 ng

RT: 8.963 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

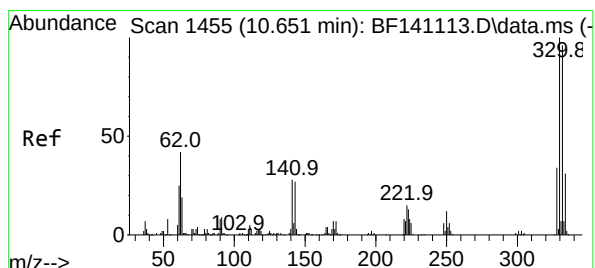
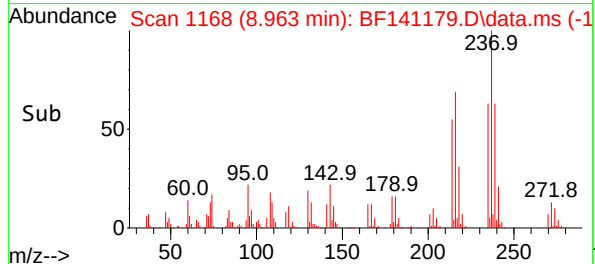
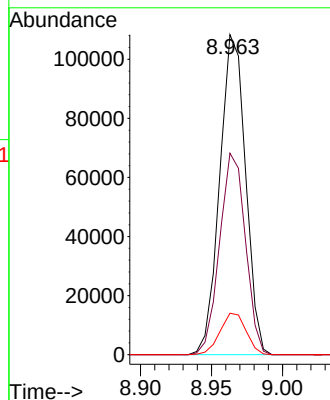
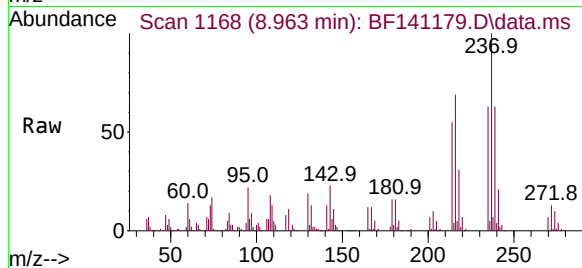
Tgt Ion:237 Resp: 137080

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: 79.674 ng

RT: 10.645 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

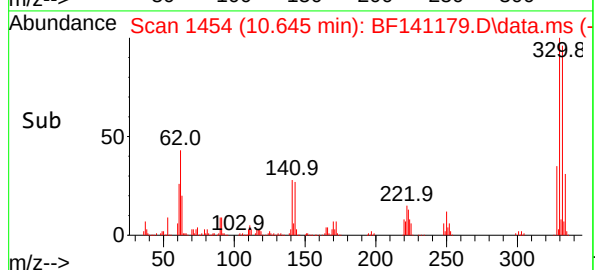
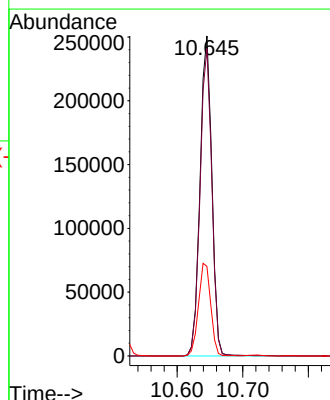
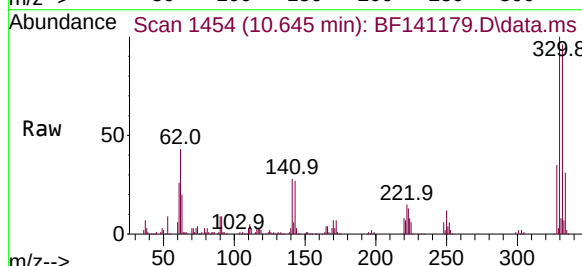
Tgt Ion:330 Resp: 313840

Ion Ratio Lower Upper

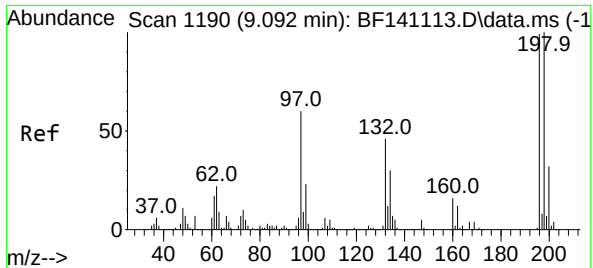
330 100

332 95.8 76.9 115.3

141 30.1 25.2 37.8







#43

2,4,6-Trichlorophenol

Concen: 37.625 ng

RT: 9.087 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

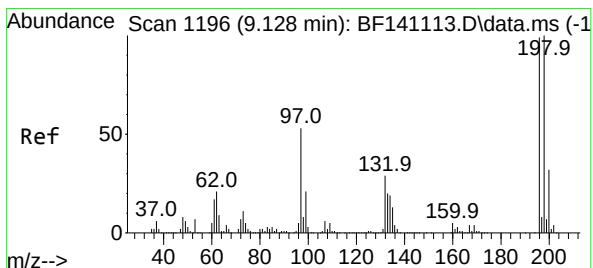
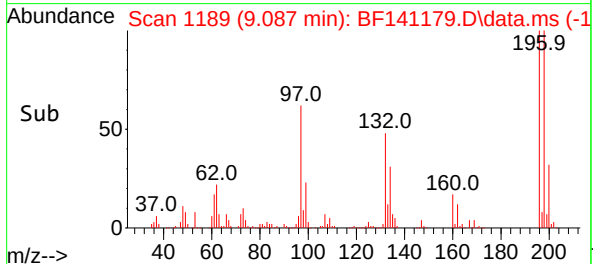
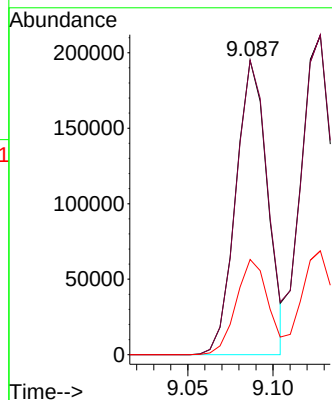
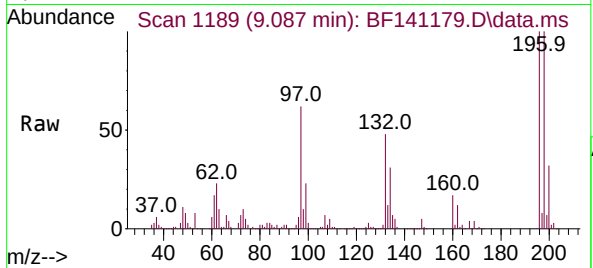
Tgt Ion:196 Resp: 251786

Ion Ratio Lower Upper

196 100

198 100.0 80.8 121.2

200 32.3 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 38.733 ng

RT: 9.128 min Scan# 1196

Delta R.T. 0.000 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Tgt Ion:196 Resp: 273747

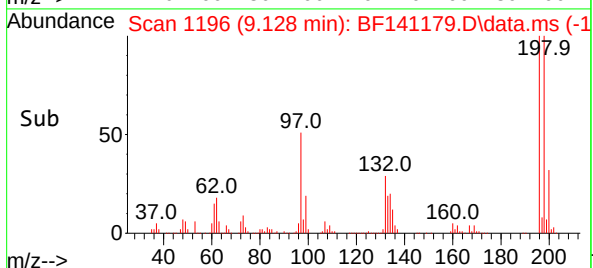
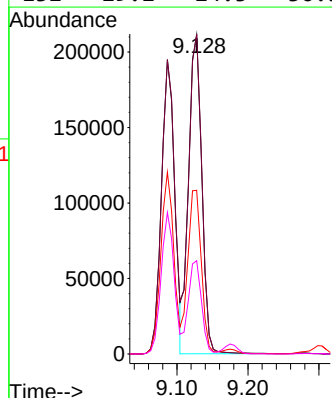
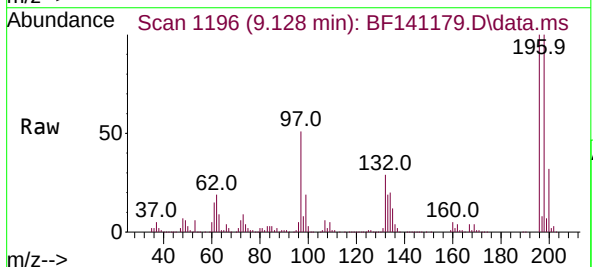
Ion Ratio Lower Upper

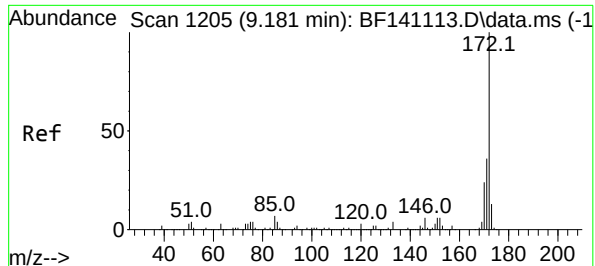
196 100

198 100.3 80.6 120.8

97 51.3 43.1 64.7

132 29.2 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 74.242 ng

RT: 9.175 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

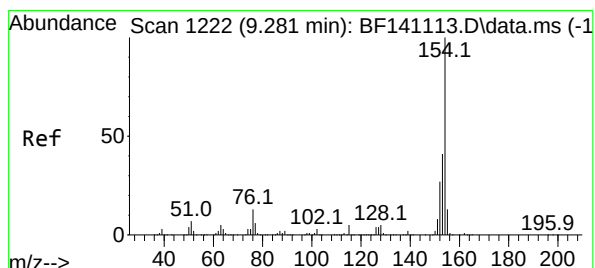
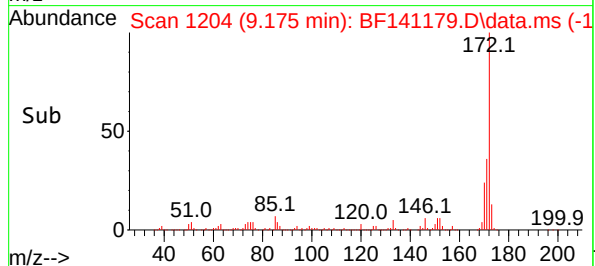
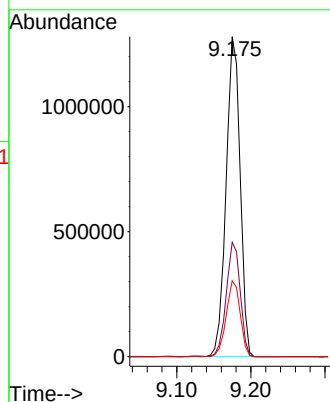
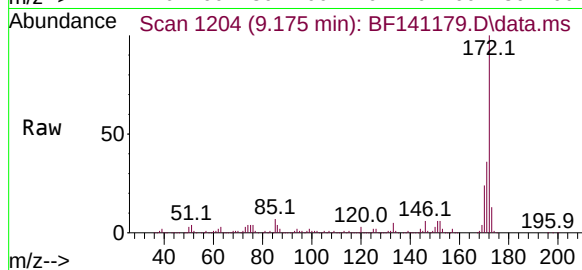
Tgt Ion:172 Resp: 1680752

Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

170 23.7 19.0 28.6



#46

1,1'-Biphenyl

Concen: 37.393 ng

RT: 9.275 min Scan# 1221

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

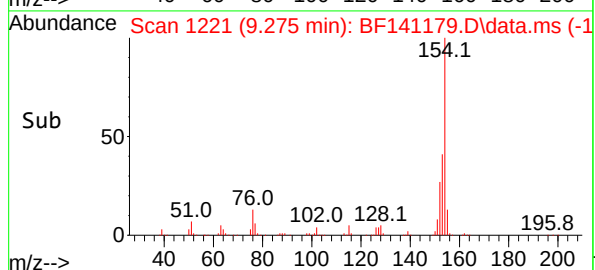
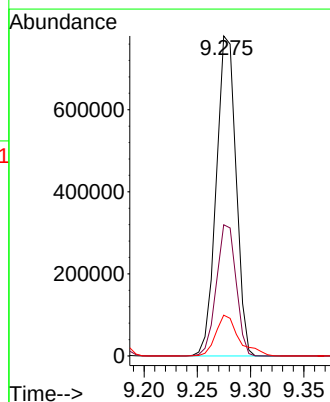
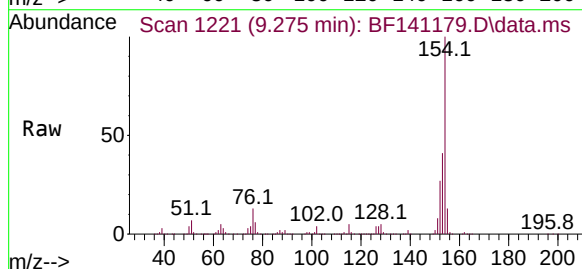
Tgt Ion:154 Resp: 1003907

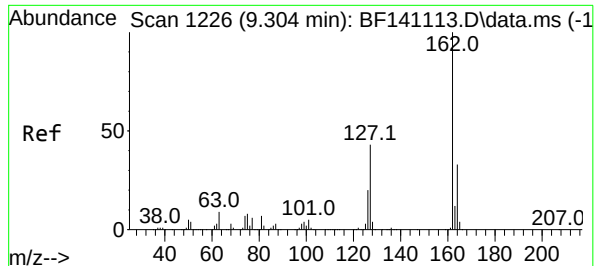
Ion Ratio Lower Upper

154 100

153 41.0 20.7 60.7

76 12.7 0.0 33.1





#47

2-Chloronaphthalene

Concen: 37.062 ng

RT: 9.304 min Scan# 1226

Delta R.T. 0.000 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

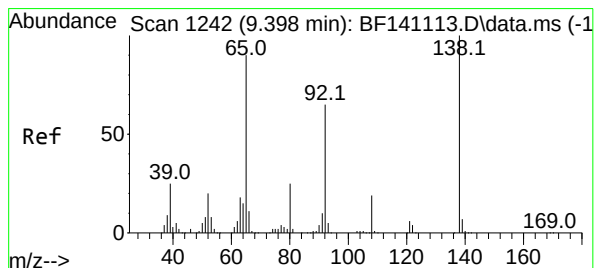
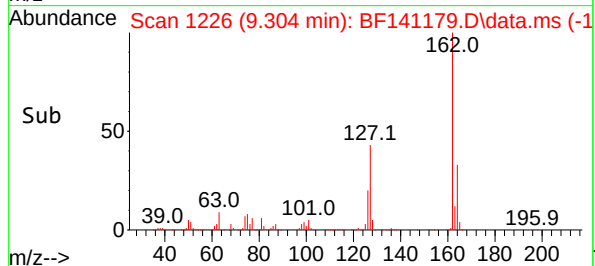
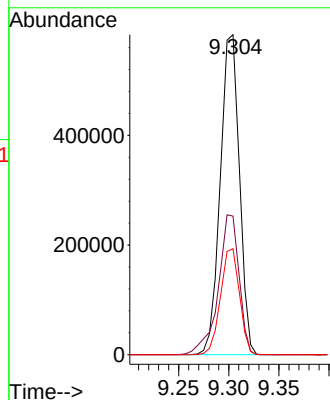
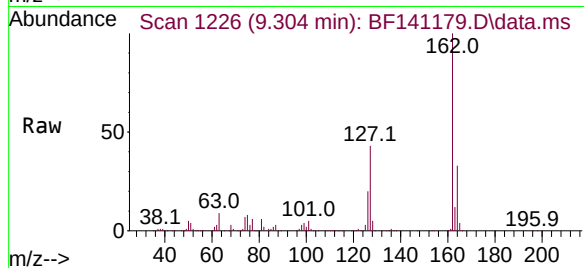
Tgt Ion:162 Resp: 774994

Ion Ratio Lower Upper

162 100

127 43.3 34.6 51.8

164 33.1 26.5 39.7



#48

2-Nitroaniline

Concen: 37.695 ng

RT: 9.392 min Scan# 1241

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

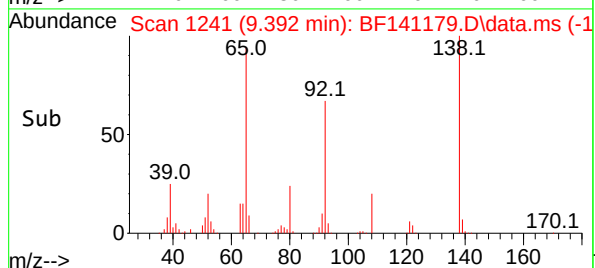
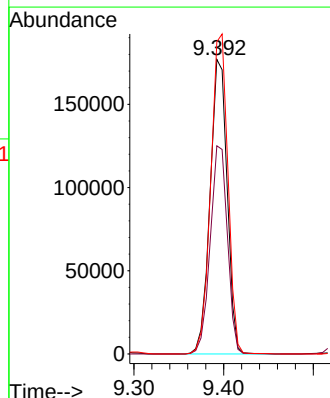
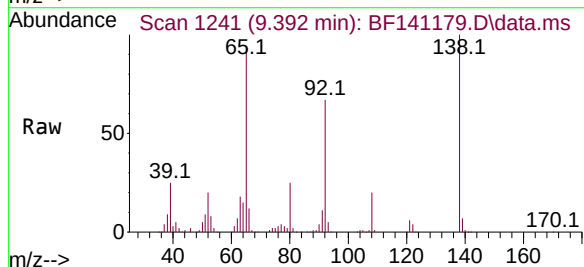
Tgt Ion: 65 Resp: 233654

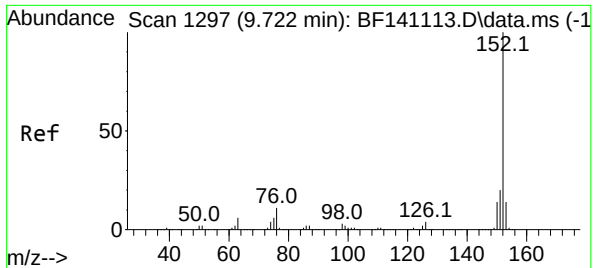
Ion Ratio Lower Upper

65 100

92 70.7 58.3 87.5

138 106.0 89.1 133.7





#49

Acenaphthylene

Concen: 37.536 ng

RT: 9.716 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

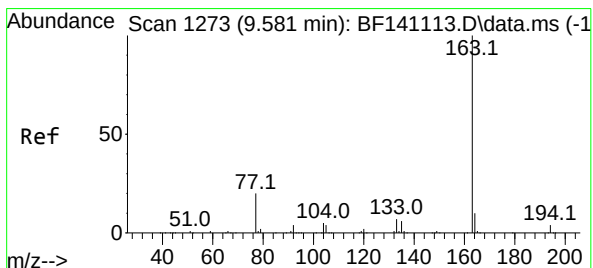
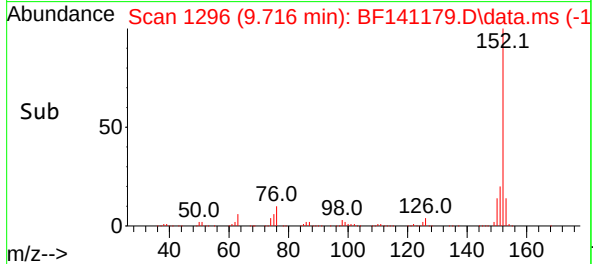
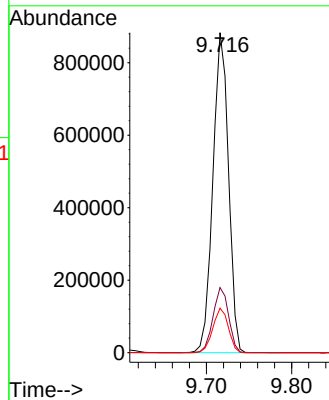
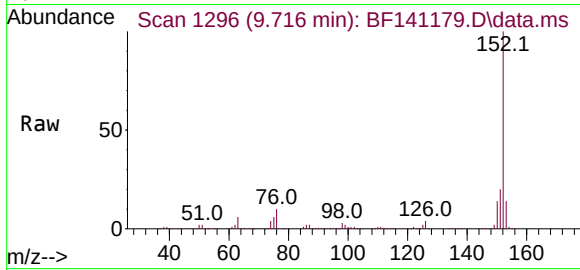
Tgt Ion:152 Resp: 1121403

Ion Ratio Lower Upper

152 100

151 20.4 16.1 24.1

153 13.9 11.1 16.7



#50

Dimethylphthalate

Concen: 37.823 ng

RT: 9.581 min Scan# 1273

Delta R.T. 0.000 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

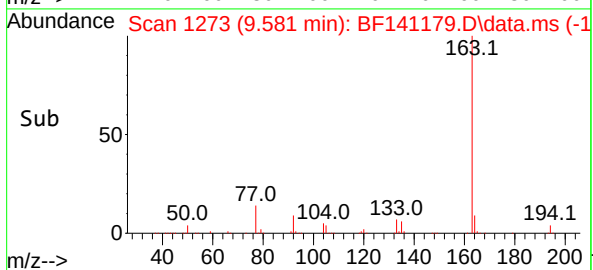
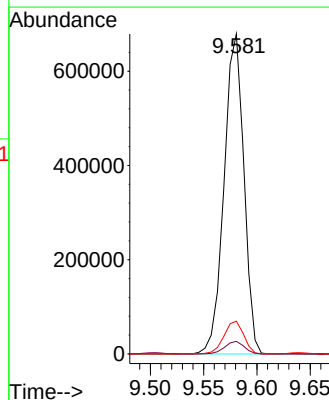
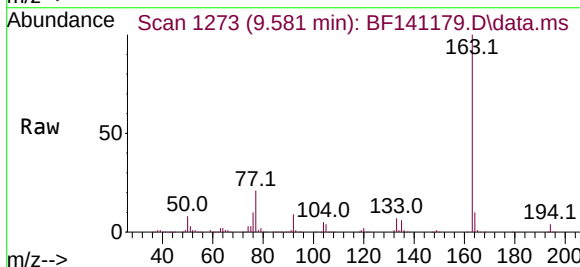
Tgt Ion:163 Resp: 877821

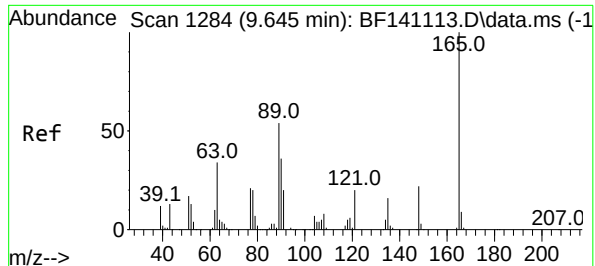
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.3 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 37.845 ng

RT: 9.639 min Scan# 1283

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

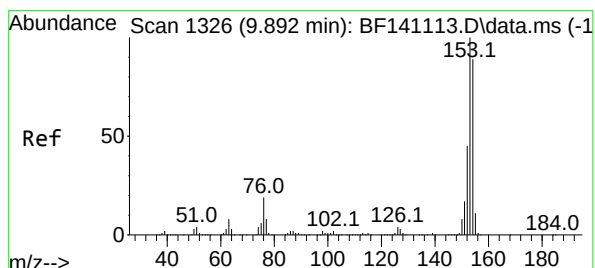
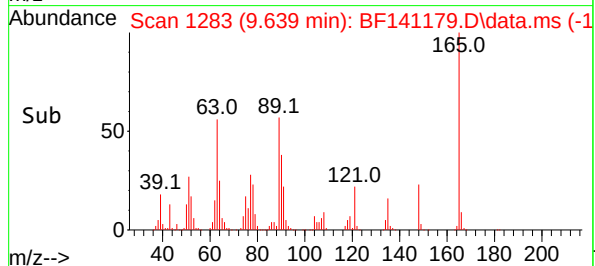
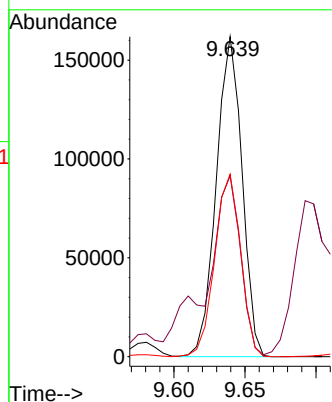
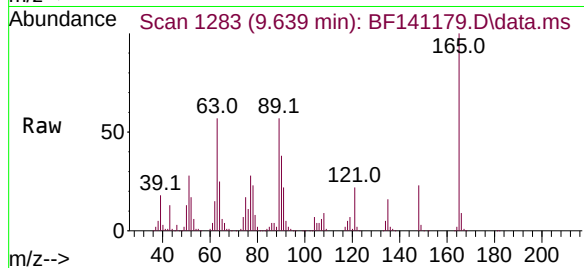
Tgt Ion:165 Resp: 204251

Ion Ratio Lower Upper

165 100

63 56.5 42.3 63.5

89 57.0 43.1 64.7



#52

Acenaphthene

Concen: 37.761 ng

RT: 9.892 min Scan# 1326

Delta R.T. 0.000 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

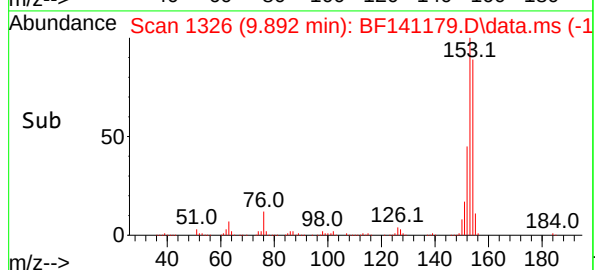
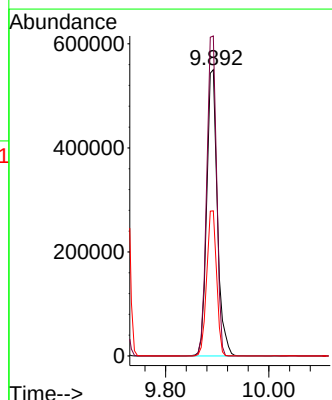
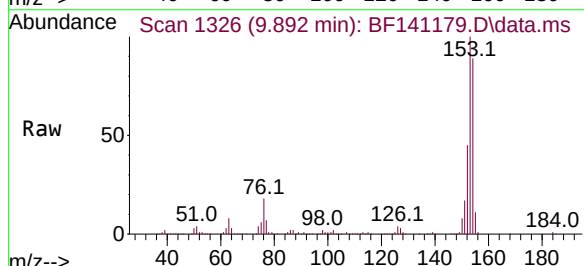
Tgt Ion:154 Resp: 788153

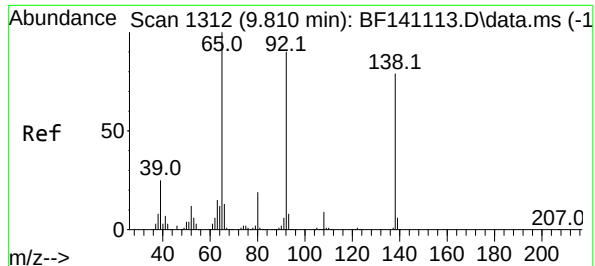
Ion Ratio Lower Upper

154 100

153 111.8 89.8 134.6

152 50.7 40.8 61.2





#53

3-Nitroaniline

Concen: 37.307 ng

RT: 9.804 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

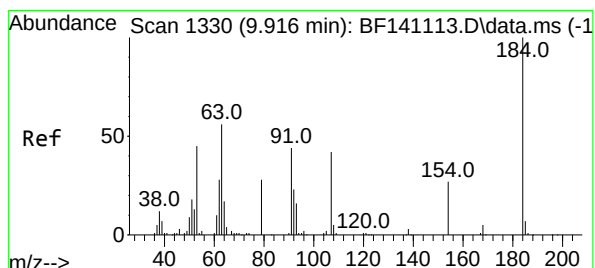
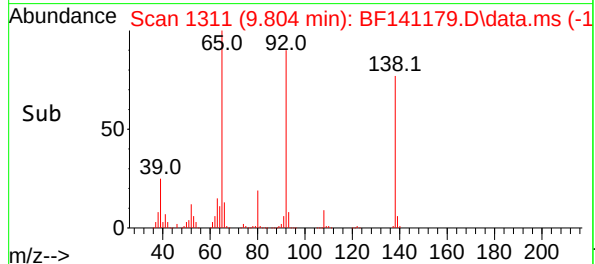
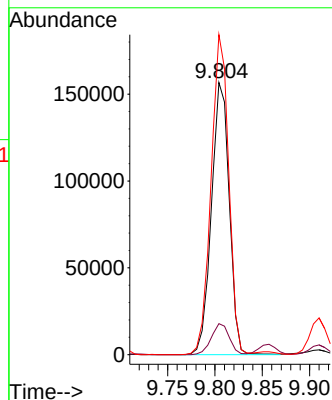
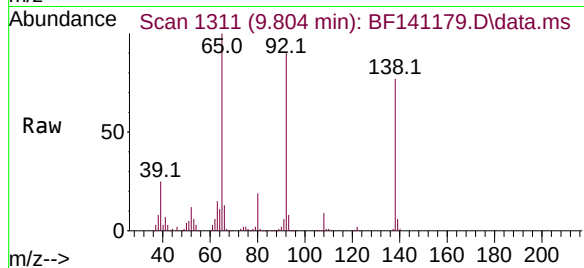
Tgt Ion:138 Resp: 204612

Ion Ratio Lower Upper

138 100

108 11.4 8.8 13.2

92 117.6 91.3 136.9



#54

2,4-Dinitrophenol

Concen: 38.594 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

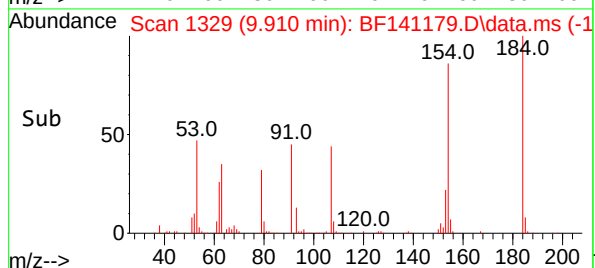
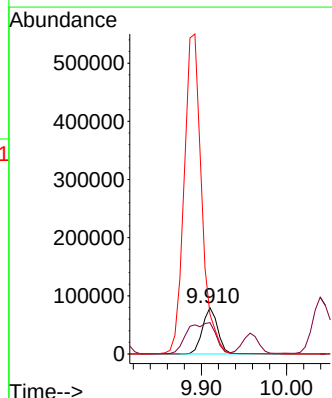
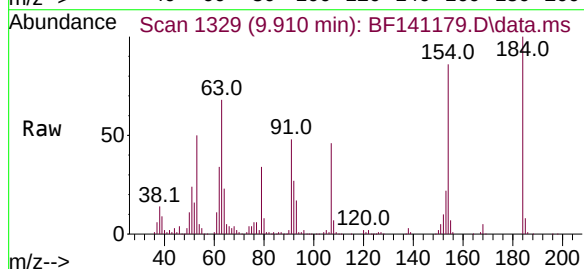
Tgt Ion:184 Resp: 99005

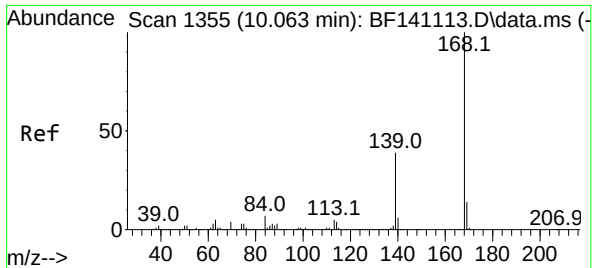
Ion Ratio Lower Upper

184 100

63 67.7 48.7 73.1

154 86.0 57.1 85.7#





#55

Dibenzofuran

Concen: 37.474 ng

RT: 10.063 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

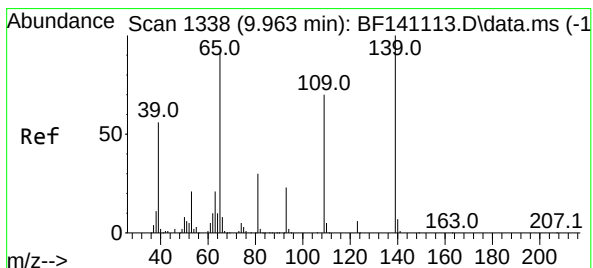
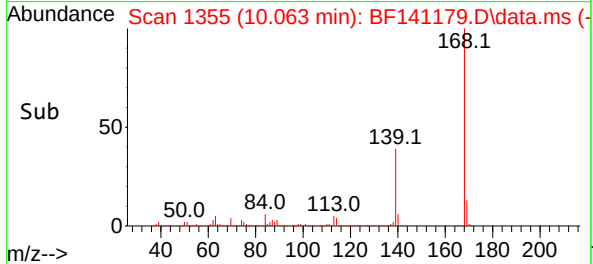
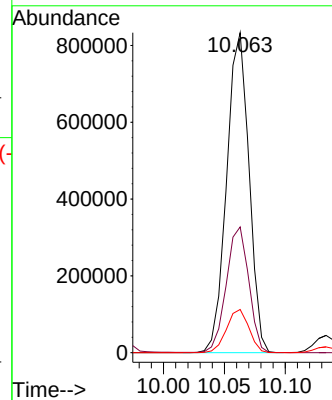
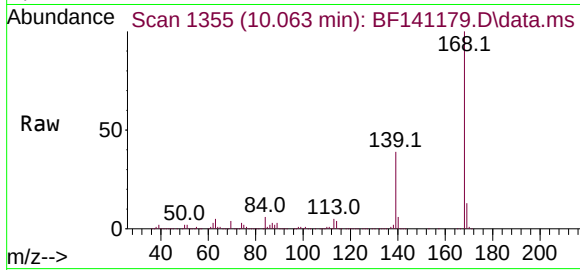
Tgt Ion:168 Resp: 1063889

Ion Ratio Lower Upper

168 100

139 39.3 31.4 47.0

169 13.5 10.9 16.3



#56

4-Nitrophenol

Concen: 38.861 ng

RT: 9.957 min Scan# 1337

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

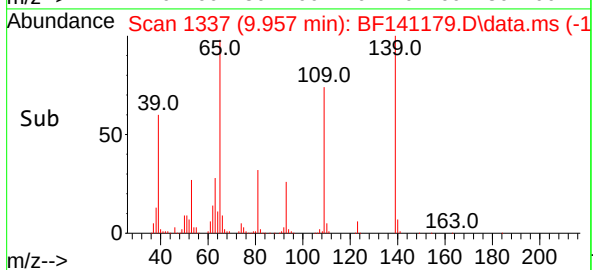
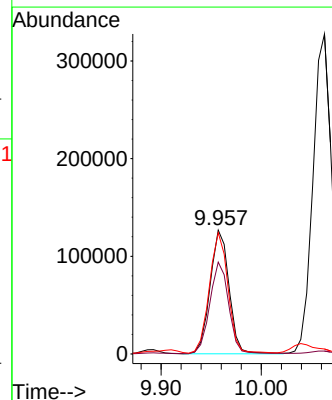
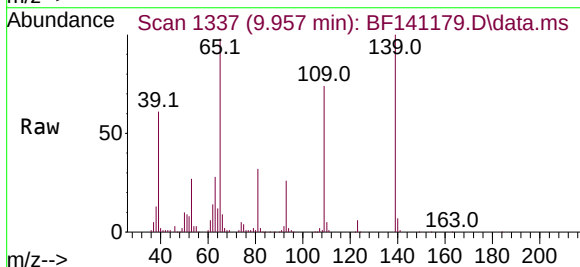
Tgt Ion:139 Resp: 166919

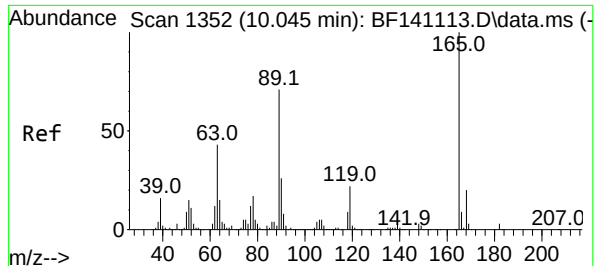
Ion Ratio Lower Upper

139 100

109 74.2 50.2 90.2

65 97.9 72.1 112.1





#57

2,4-Dinitrotoluene

Concen: 39.183 ng

RT: 10.039 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion:165 Resp: 272528

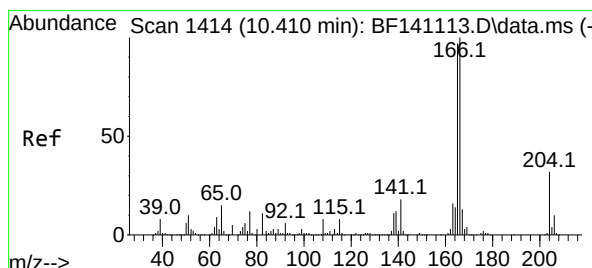
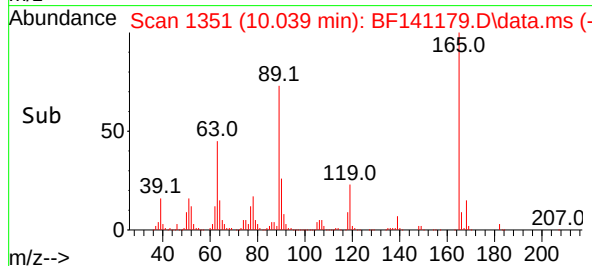
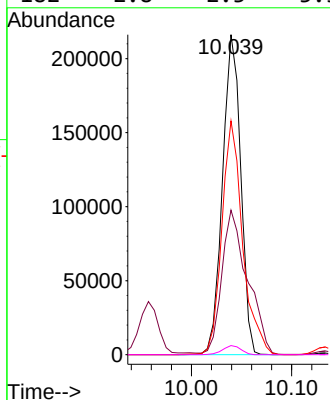
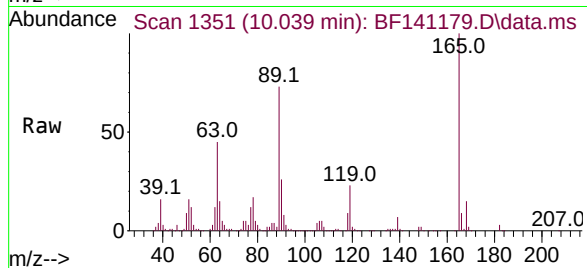
Ion Ratio Lower Upper

165 100

63 45.2 35.0 52.4

89 73.0 56.7 85.1

182 2.8 2.3 3.5



#58

Fluorene

Concen: 37.969 ng

RT: 10.404 min Scan# 1413

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

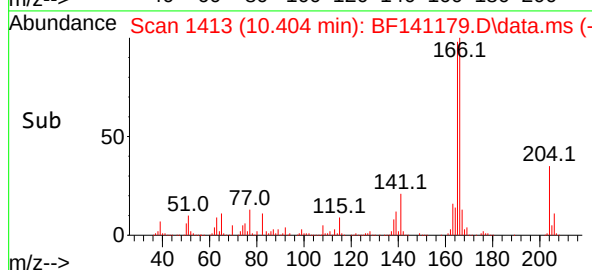
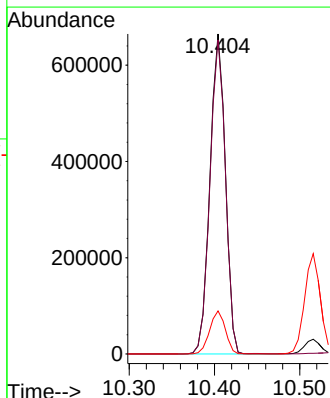
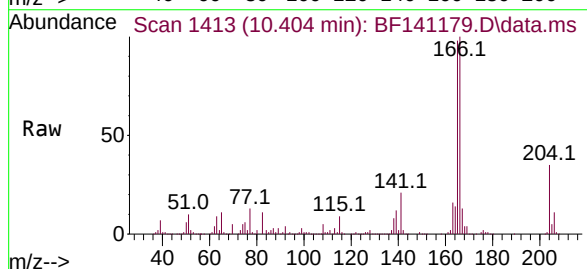
Tgt Ion:166 Resp: 837455

Ion Ratio Lower Upper

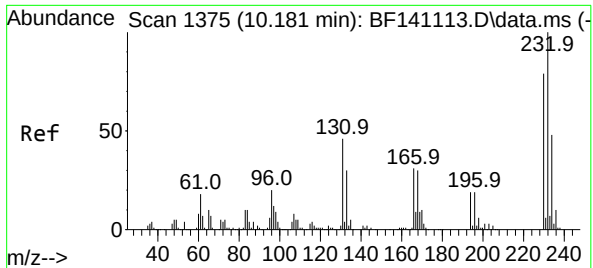
166 100

165 98.2 77.8 116.8

167 13.5 10.8 16.2



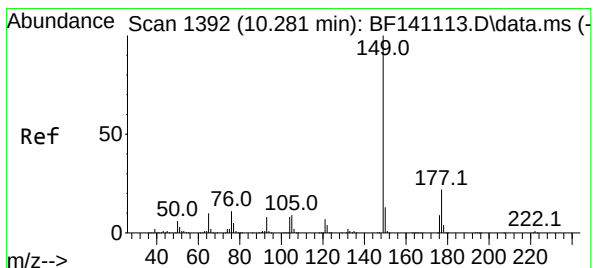
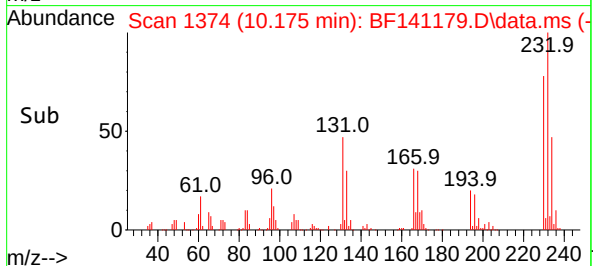
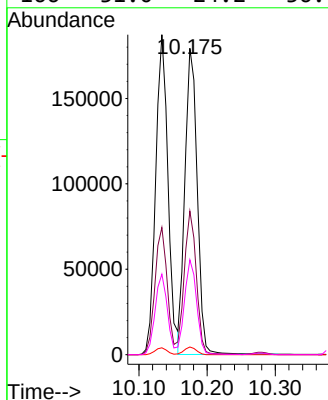
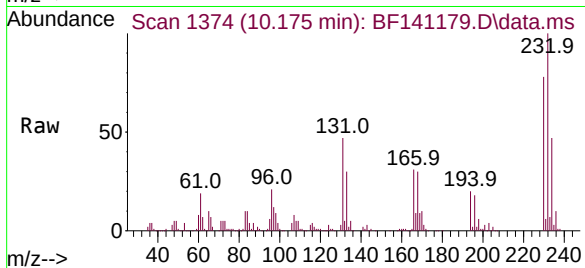




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 38.088 ng  
RT: 10.175 min Scan# 1374  
Delta R.T. -0.006 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

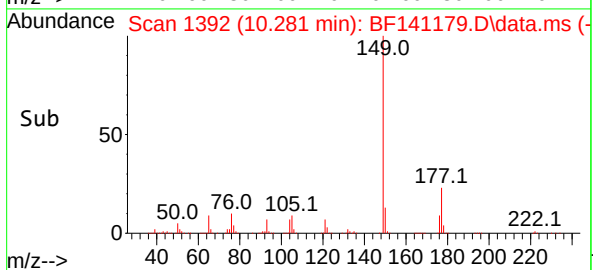
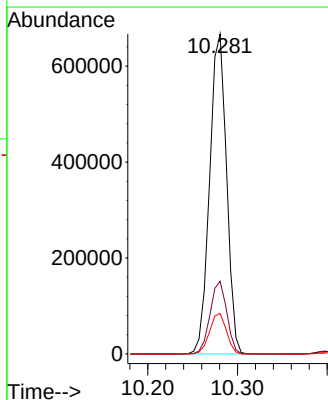
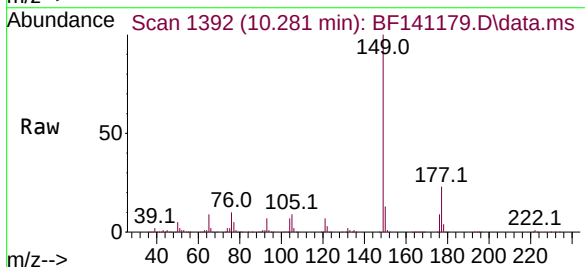
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

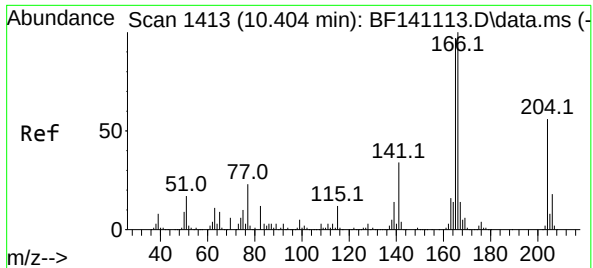
Tgt Ion:232 Resp: 223753  
Ion Ratio Lower Upper  
232 100  
131 46.3 36.2 54.4  
130 2.5 2.0 3.0  
166 31.0 24.2 36.4



#60  
Diethylphthalate  
Concen: 38.511 ng  
RT: 10.281 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

Tgt Ion:149 Resp: 872557  
Ion Ratio Lower Upper  
149 100  
177 22.7 17.9 26.9  
150 12.6 10.2 15.2

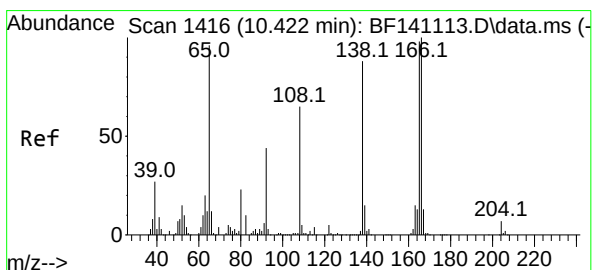
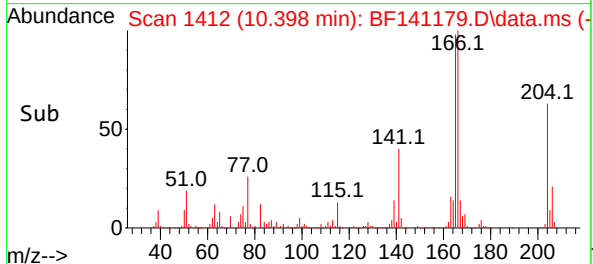
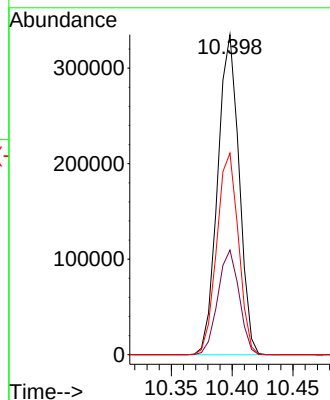
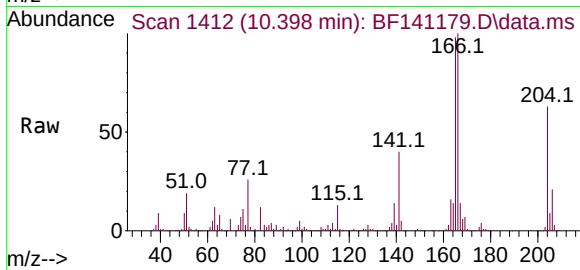




#61  
4-Chlorophenyl-phenylether  
Concen: 38.145 ng  
RT: 10.398 min Scan# 1412  
Delta R.T. -0.006 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

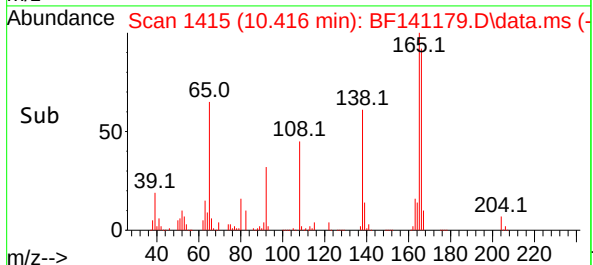
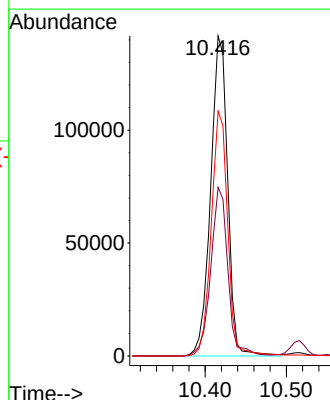
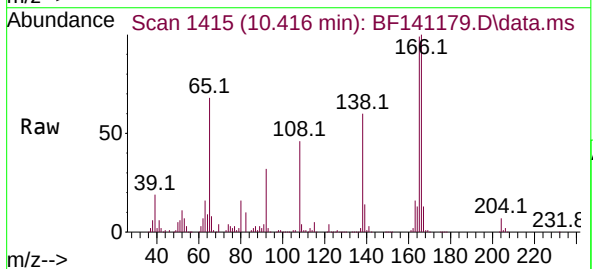
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

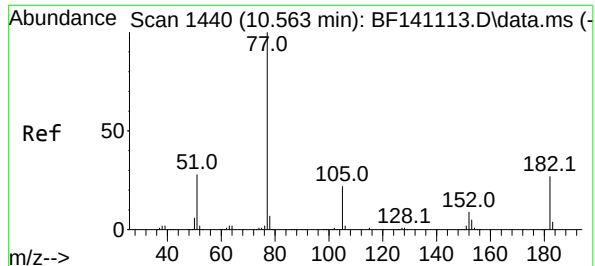
Tgt Ion:204 Resp: 410059  
Ion Ratio Lower Upper  
204 100  
206 32.7 25.9 38.9  
141 63.0 49.1 73.7



#62  
4-Nitroaniline  
Concen: 38.442 ng  
RT: 10.416 min Scan# 1415  
Delta R.T. -0.006 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

Tgt Ion:138 Resp: 206357  
Ion Ratio Lower Upper  
138 100  
92 52.7 29.4 69.4  
108 76.5 53.7 93.7





#63

Azobenzene

Concen: 37.947 ng

RT: 10.557 min Scan# 1440

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

Tgt Ion: 77 Resp: 848359

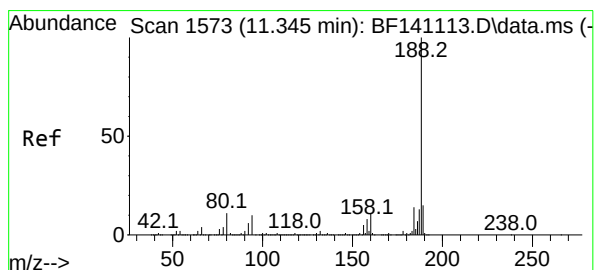
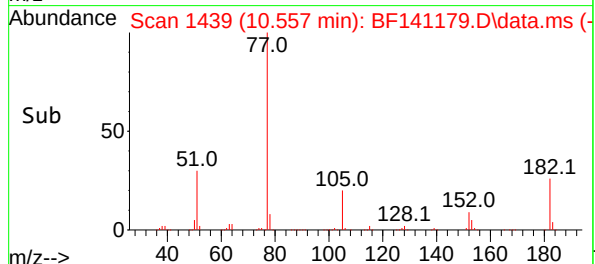
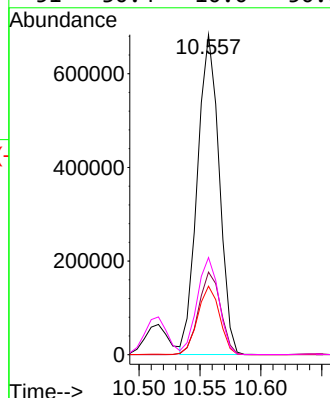
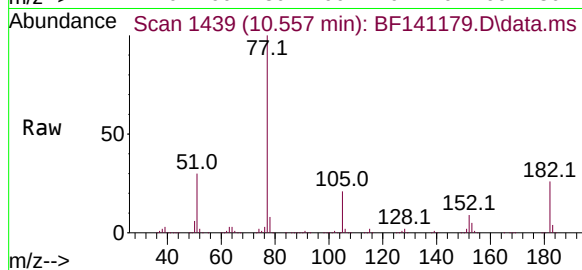
Ion Ratio Lower Upper

77 100

182 25.8 6.1 46.1

105 21.4 2.1 42.1

51 30.4 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: BF141179.D

Acq: 16 Jan 2025 12:29

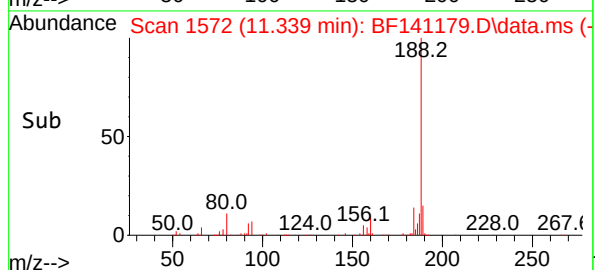
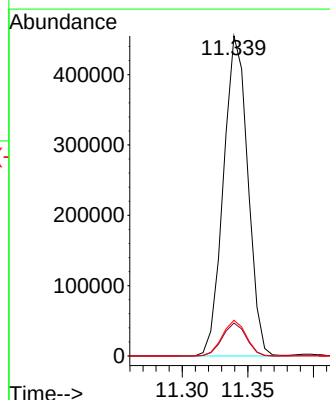
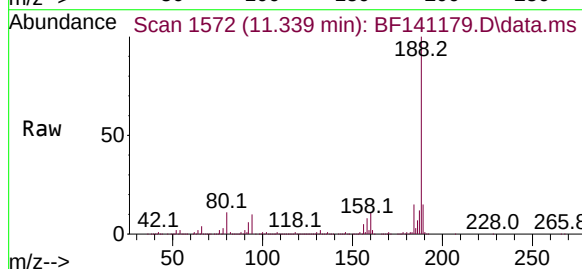
Tgt Ion: 188 Resp: 587619

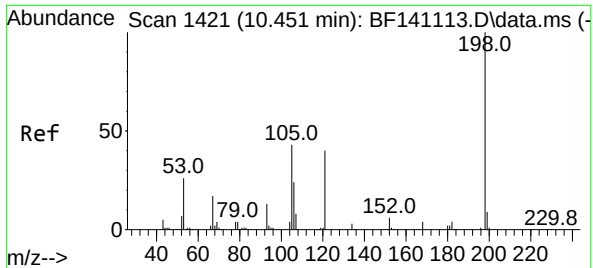
Ion Ratio Lower Upper

188 100

94 10.3 8.3 12.5

80 11.1 9.0 13.4

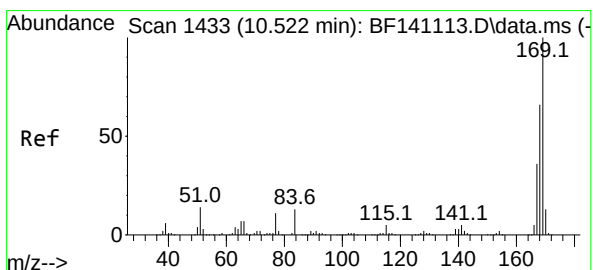
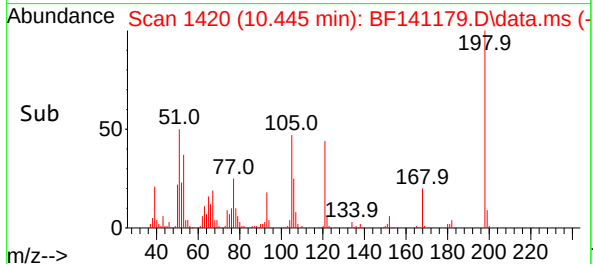
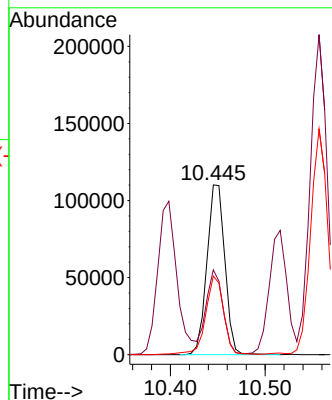
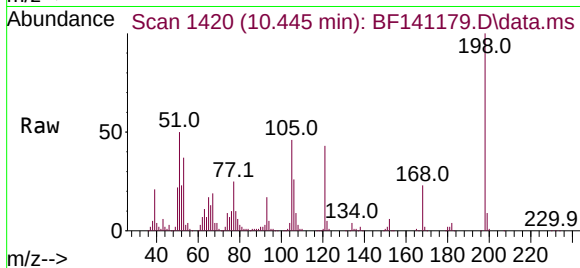




#65  
4,6-Dinitro-2-methylphenol  
Concen: 42.483 ng  
RT: 10.445 min Scan# 1421  
Delta R.T. -0.006 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

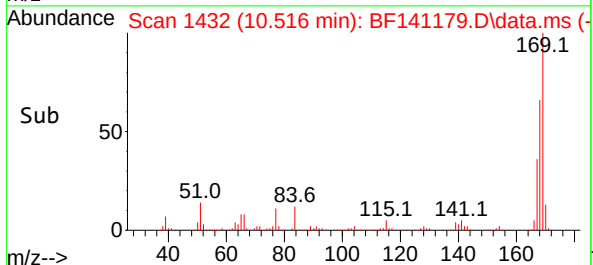
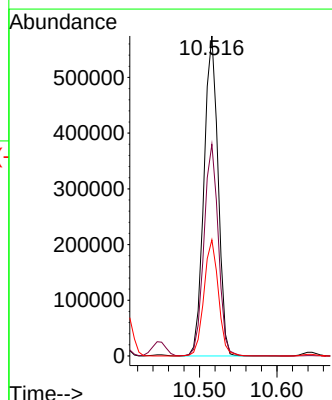
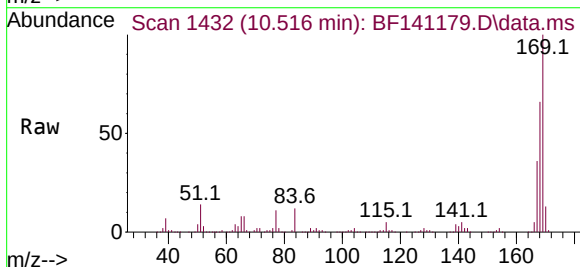
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

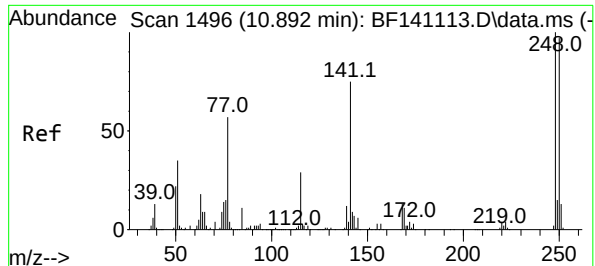
Tgt Ion:198 Resp: 144659  
Ion Ratio Lower Upper  
198 100  
51 50.0 27.1 67.1  
105 46.3 24.2 64.2



#66  
n-Nitrosodiphenylamine  
Concen: 38.301 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.006 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

Tgt Ion:169 Resp: 725930  
Ion Ratio Lower Upper  
169 100  
168 66.1 52.5 78.7  
167 36.3 28.9 43.3

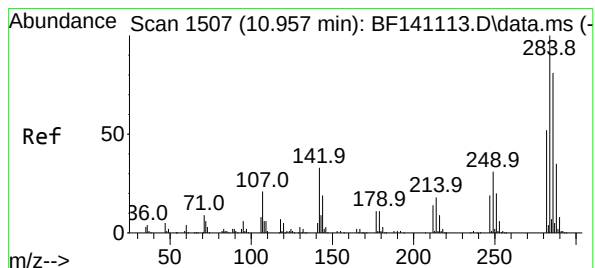
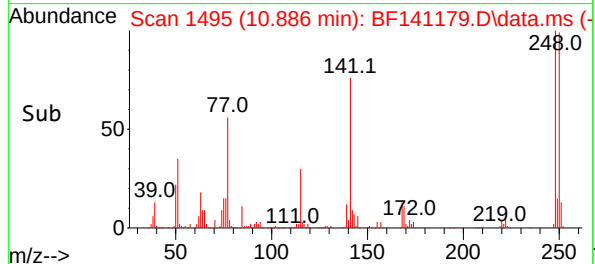
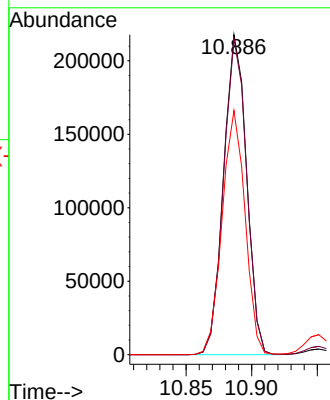
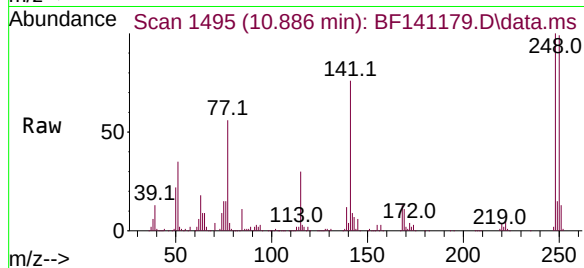




#67  
4-Bromophenyl-phenylether  
Concen: 39.370 ng  
RT: 10.886 min Scan# 1495  
Delta R.T. -0.006 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

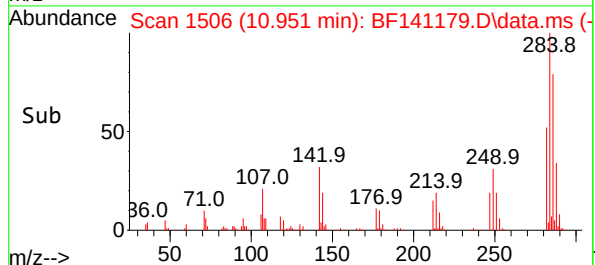
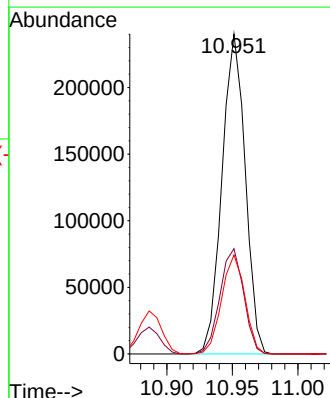
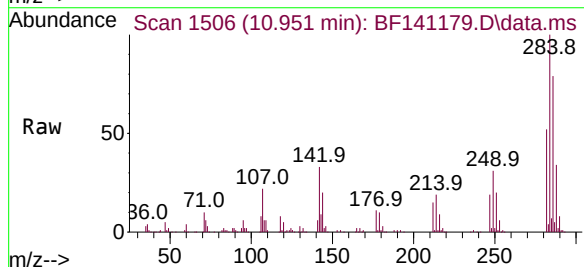
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

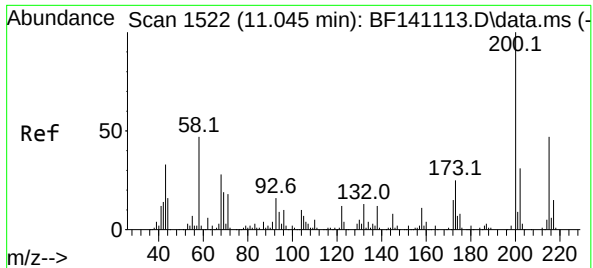
Tgt Ion:248 Resp: 266349  
Ion Ratio Lower Upper  
248 100  
250 98.7 77.9 116.9  
141 76.3 59.9 89.9



#68  
Hexachlorobenzene  
Concen: 39.263 ng  
RT: 10.951 min Scan# 1506  
Delta R.T. -0.006 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

Tgt Ion:284 Resp: 295691  
Ion Ratio Lower Upper  
284 100  
142 32.9 26.3 39.5  
249 31.0 24.9 37.3





#69

Atrazine

Concen: 45.578 ng

RT: 11.045 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

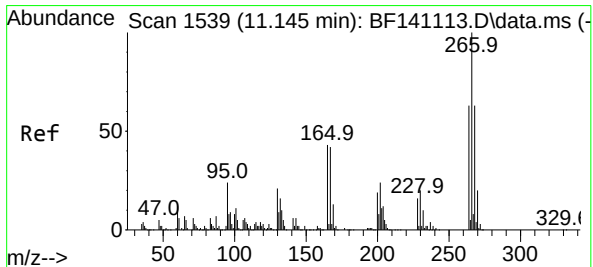
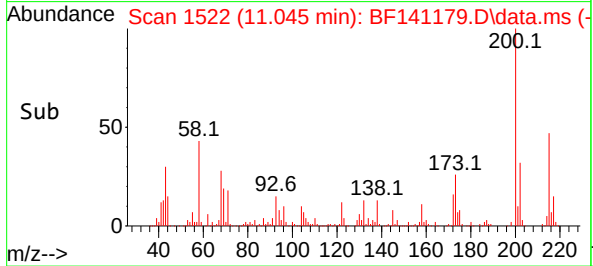
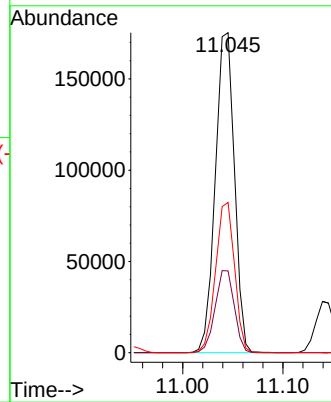
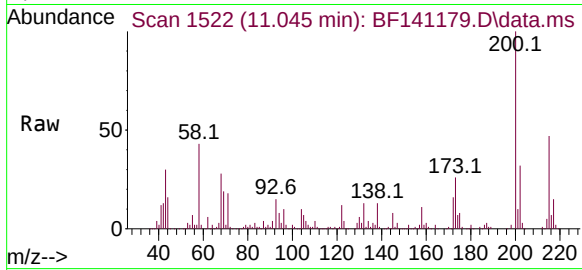
Tgt Ion:200 Resp: 232602

Ion Ratio Lower Upper

200 100

173 25.6 5.4 45.4

215 46.9 26.6 66.6



#70

Pentachlorophenol

Concen: 40.964 ng

RT: 11.145 min Scan# 1539

Delta R.T. 0.000 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

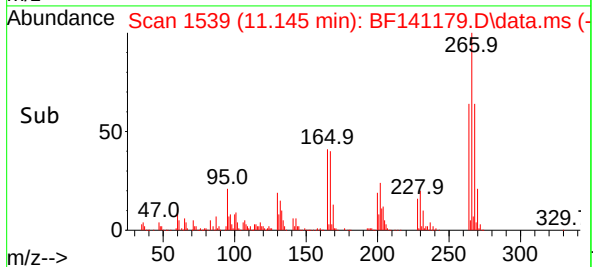
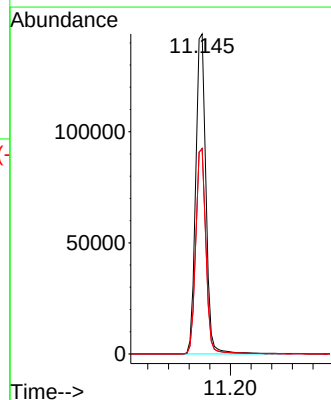
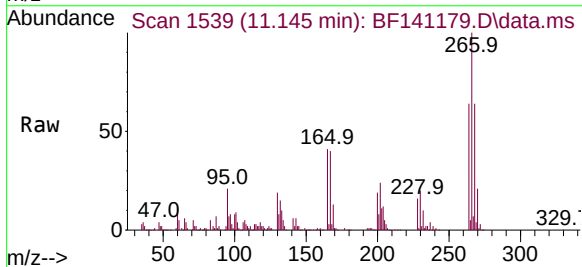
Tgt Ion:266 Resp: 197563

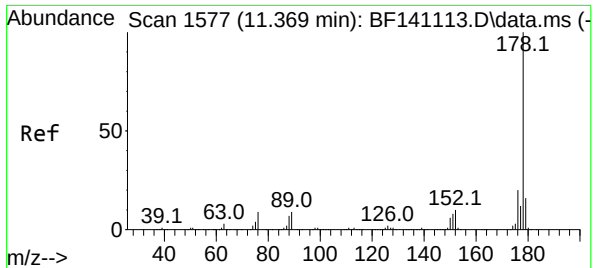
Ion Ratio Lower Upper

266 100

268 64.2 50.4 75.6

264 64.1 50.2 75.2





#71

Phenanthrene

Concen: 38.629 ng

RT: 11.363 min Scan# 1576

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

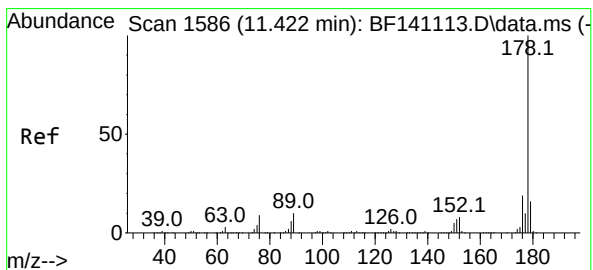
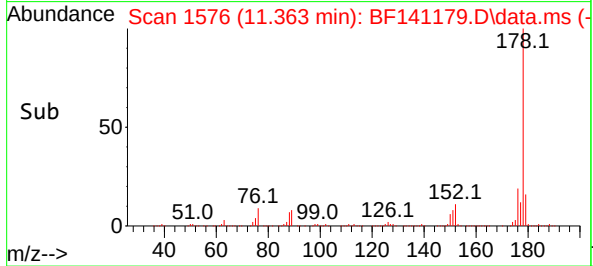
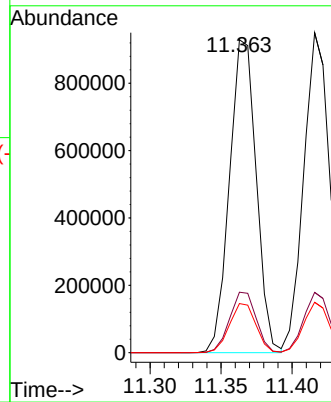
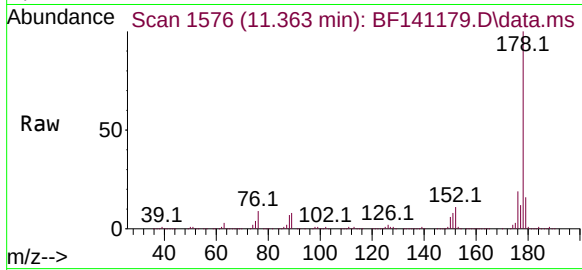
Tgt Ion:178 Resp: 1218633

Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

179 15.7 12.6 19.0



#72

Anthracene

Concen: 39.007 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

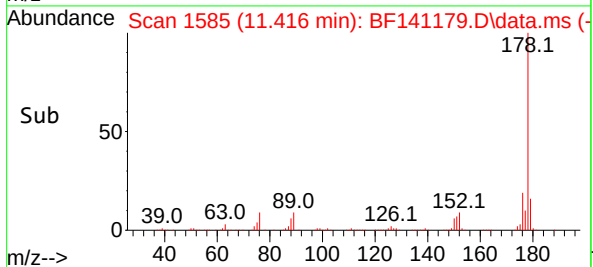
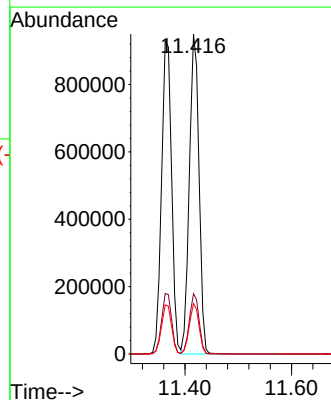
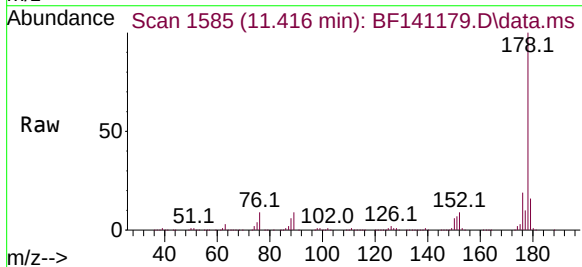
Tgt Ion:178 Resp: 1196532

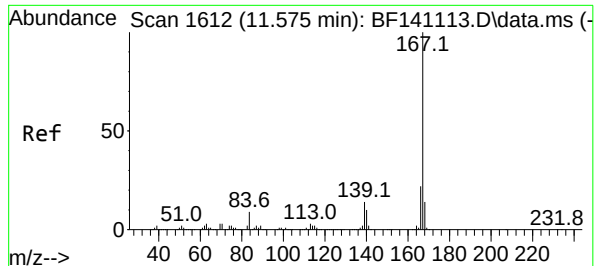
Ion Ratio Lower Upper

178 100

176 18.8 14.9 22.3

179 15.7 12.6 19.0





#73

Carbazole

Concen: 39.228 ng

RT: 11.569 min Scan# 1611

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

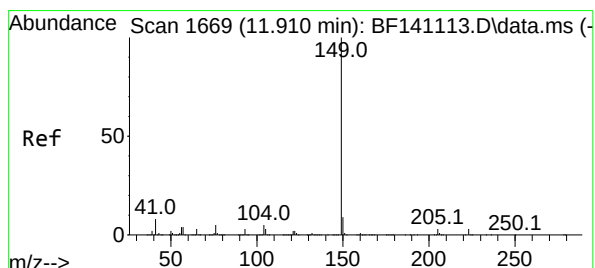
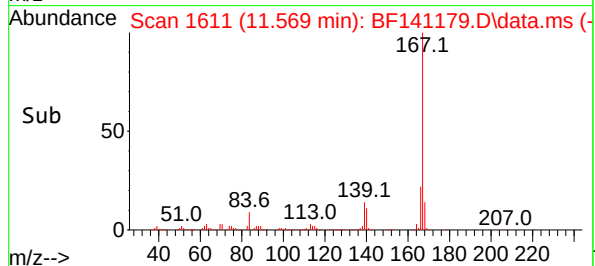
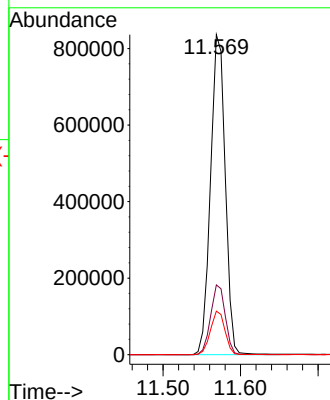
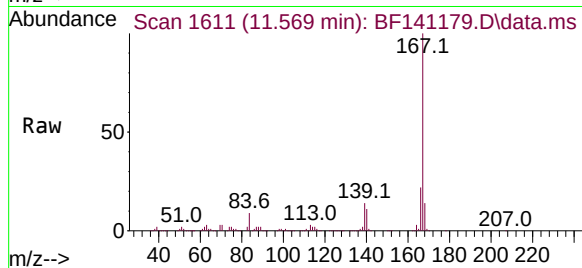
Tgt Ion:167 Resp: 1103379

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: 41.484 ng

RT: 11.904 min Scan# 1668

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

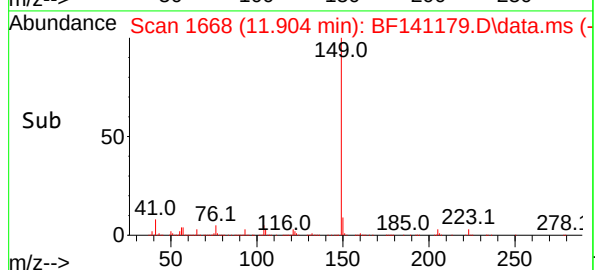
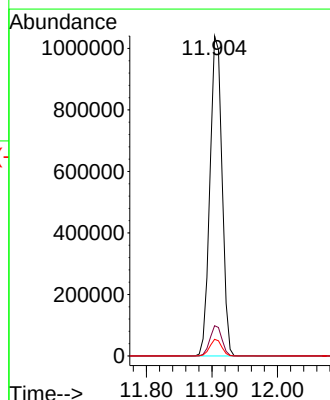
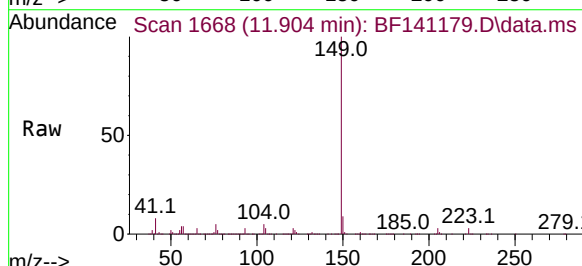
Tgt Ion:149 Resp: 1335342

Ion Ratio Lower Upper

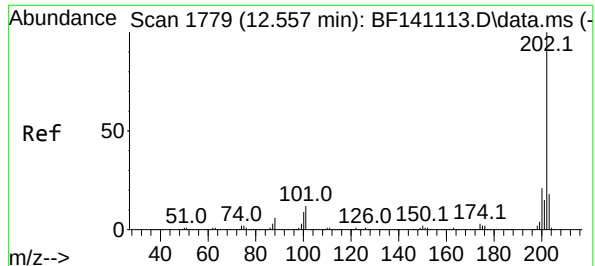
149 100

150 9.4 7.4 11.2

104 5.2 4.2 6.2







#75

Fluoranthene

Concen: 41.075 ng

RT: 12.557 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

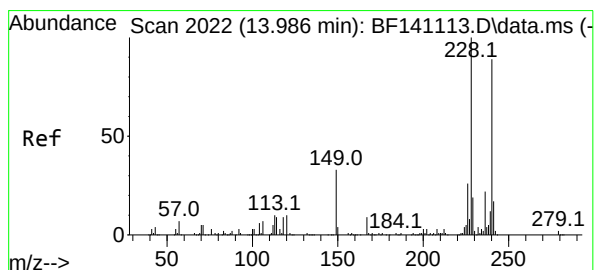
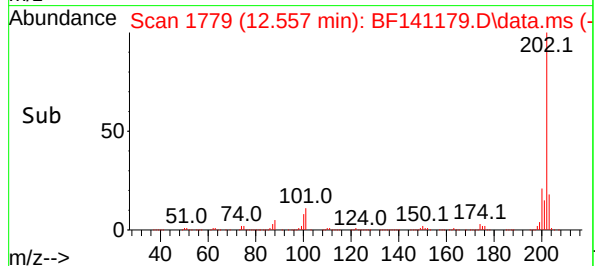
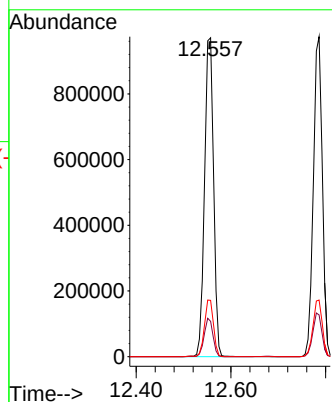
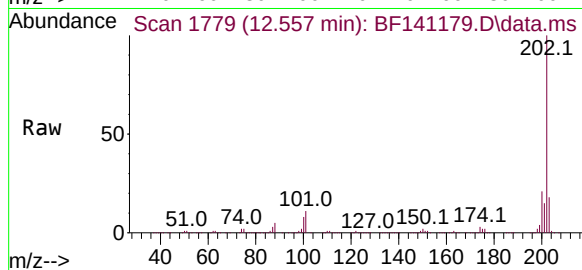
Tgt Ion:202 Resp: 1293108

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: 13.986 min Scan# 2022

Delta R.T. 0.000 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

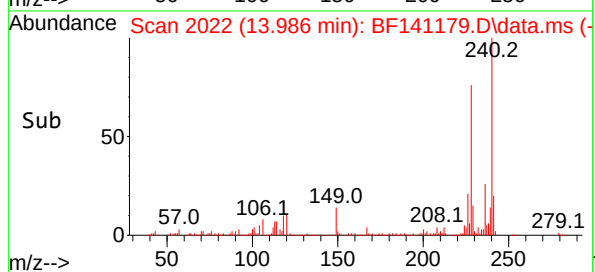
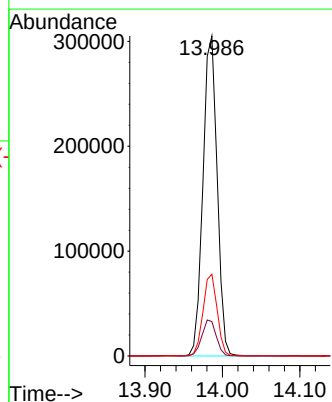
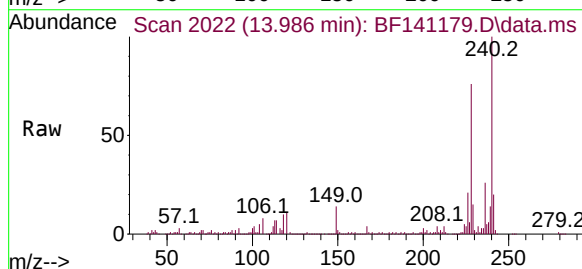
Tgt Ion:240 Resp: 388773

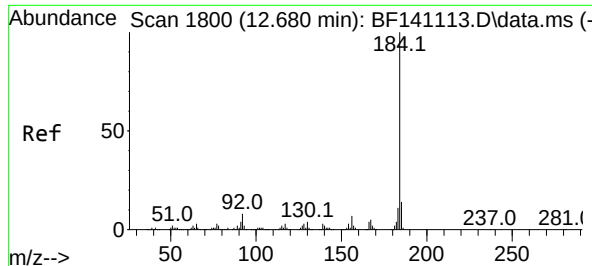
Ion Ratio Lower Upper

240 100

120 10.7 9.1 13.7

236 25.6 19.8 29.6





#77

Benzidine

Concen: 35.755 ng

RT: 12.675 min Scan# 1799

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

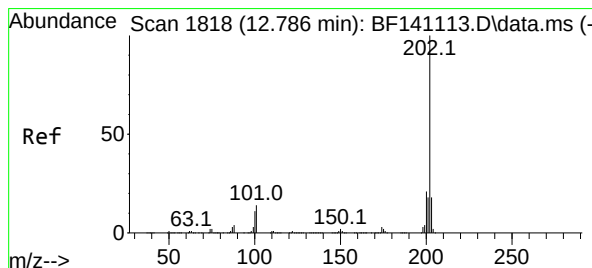
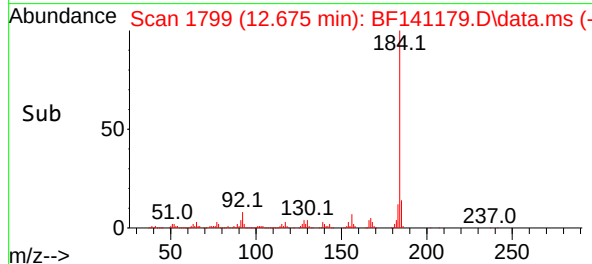
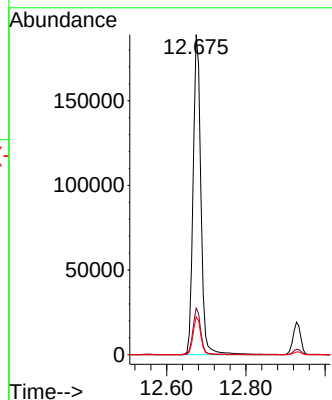
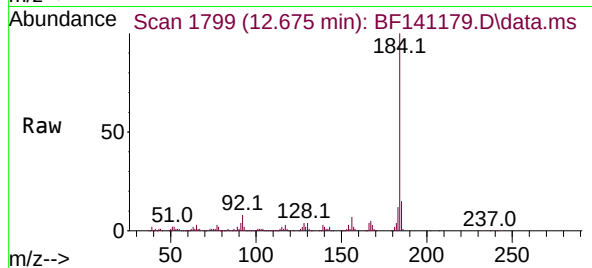
Tgt Ion:184 Resp: 257777

Ion Ratio Lower Upper

184 100

185 14.6 11.4 17.0

183 11.9 9.2 13.8



#78

Pyrene

Concen: 34.574 ng

RT: 12.786 min Scan# 1818

Delta R.T. 0.000 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

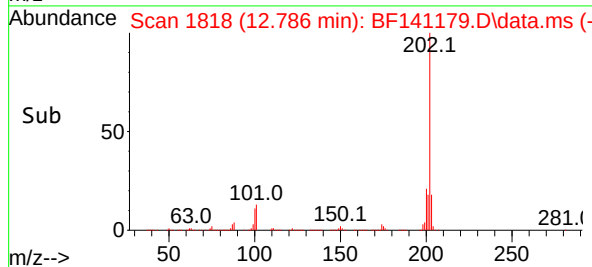
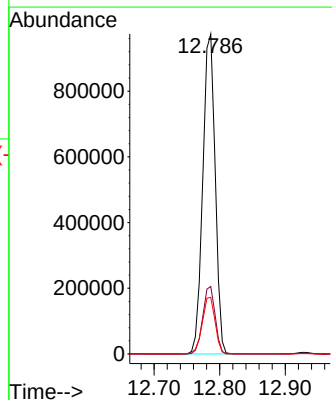
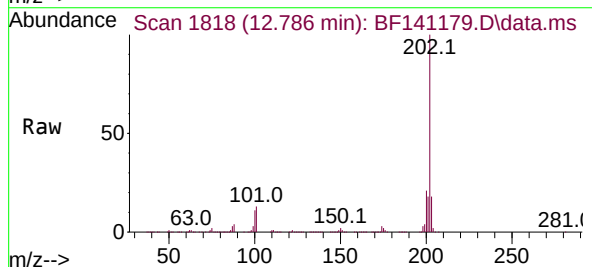
Tgt Ion:202 Resp: 1283818

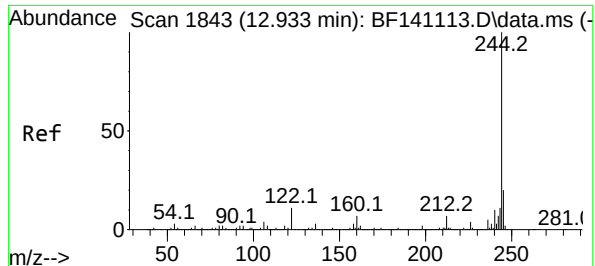
Ion Ratio Lower Upper

202 100

200 21.1 16.8 25.2

203 17.7 14.3 21.5





#79

Terphenyl-d14

Concen: 71.704 ng

RT: 12.927 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

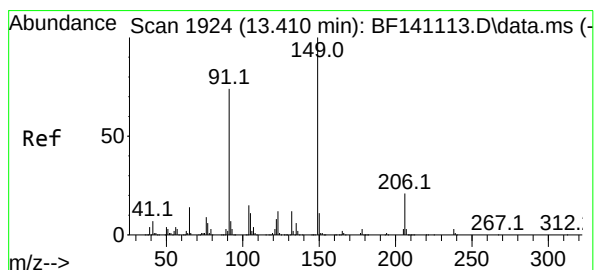
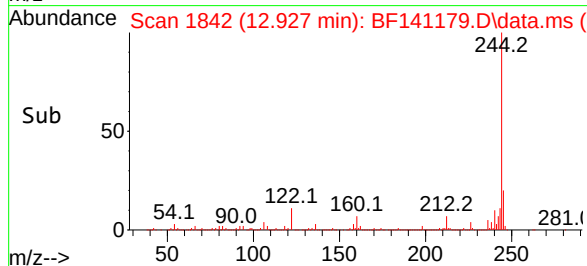
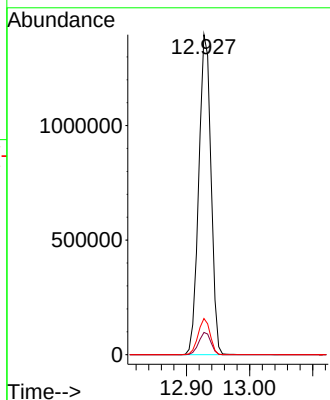
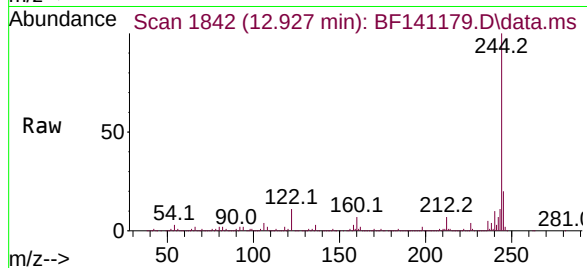
Tgt Ion:244 Resp: 1875570

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

122 11.3 8.8 13.2



#80

Butylbenzylphthalate

Concen: 40.468 ng

RT: 13.404 min Scan# 1923

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

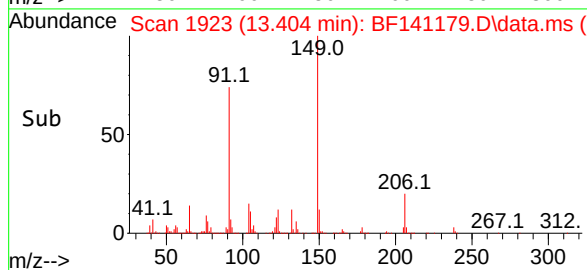
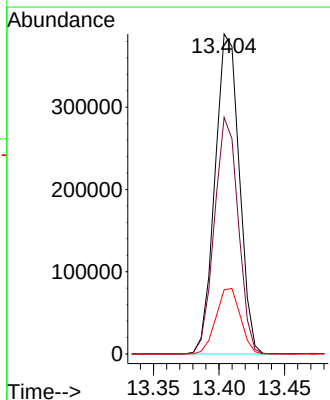
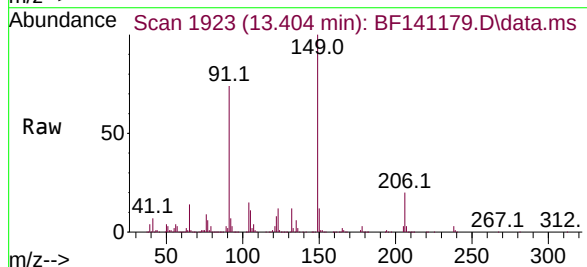
Tgt Ion:149 Resp: 501012

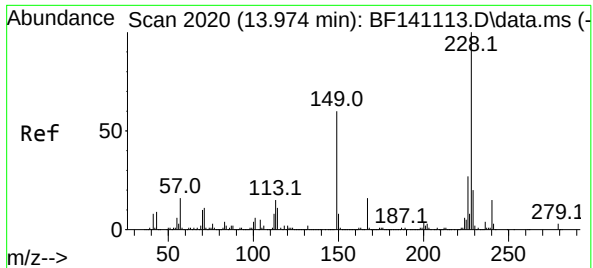
Ion Ratio Lower Upper

149 100

91 73.9 59.0 88.6

206 20.1 16.5 24.7

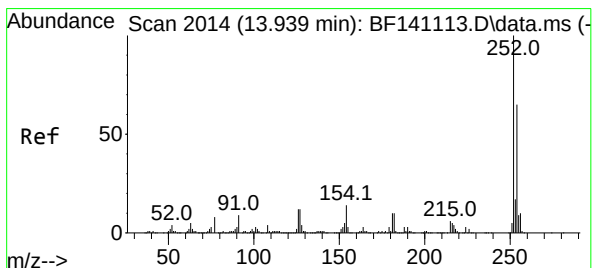
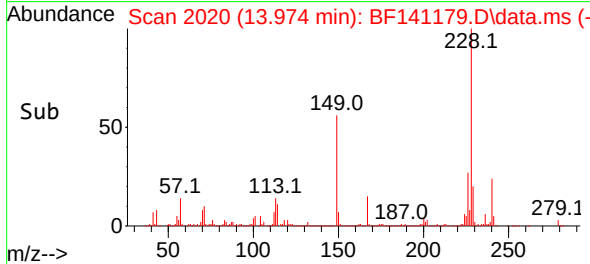
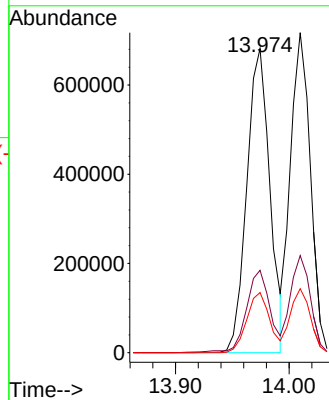
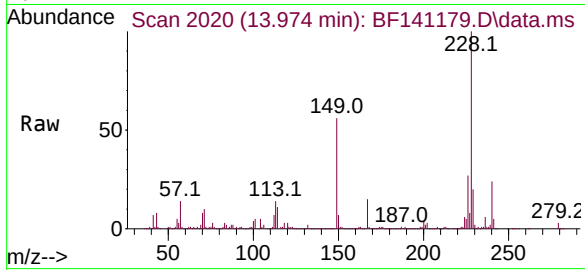




#81  
Benzo(a)anthracene  
Concen: 36.418 ng  
RT: 13.974 min Scan# 2014  
Delta R.T. 0.000 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

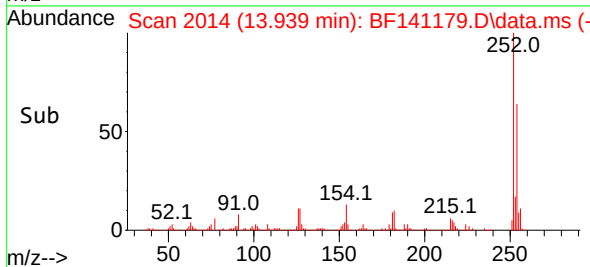
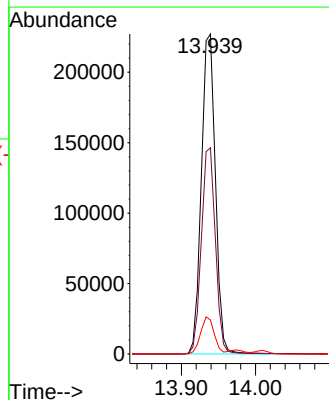
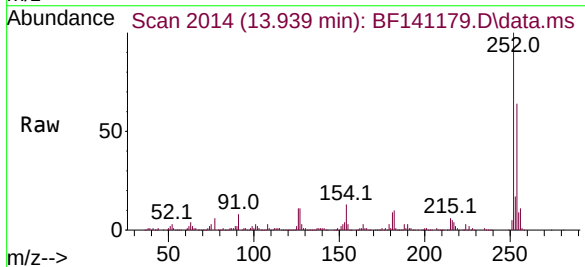
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

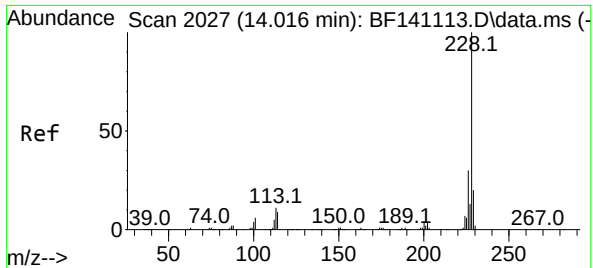
Tgt Ion:228 Resp: 963557  
Ion Ratio Lower Upper  
228 100  
226 27.1 21.7 32.5  
229 19.8 15.7 23.5



#82  
3,3'-Dichlorobenzidine  
Concen: 35.572 ng  
RT: 13.939 min Scan# 2014  
Delta R.T. 0.000 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

Tgt Ion:252 Resp: 299684  
Ion Ratio Lower Upper  
252 100  
254 64.5 52.0 78.0  
126 10.6 9.4 14.0





#83

Chrysene

Concen: 35.430 ng

RT: 14.010 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

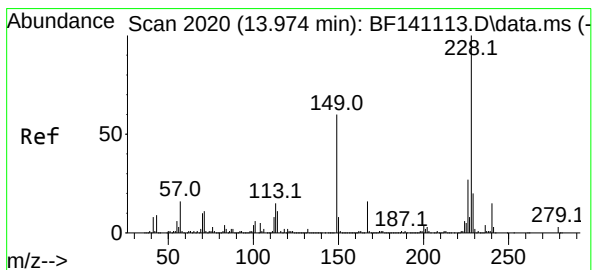
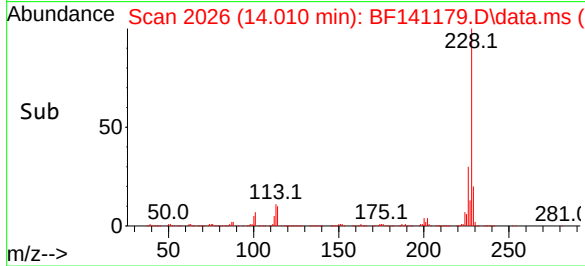
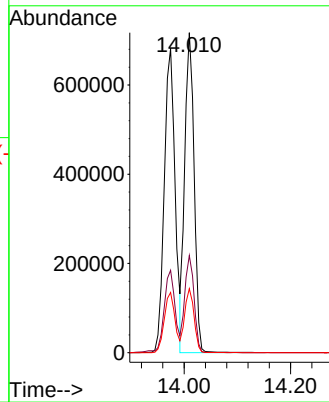
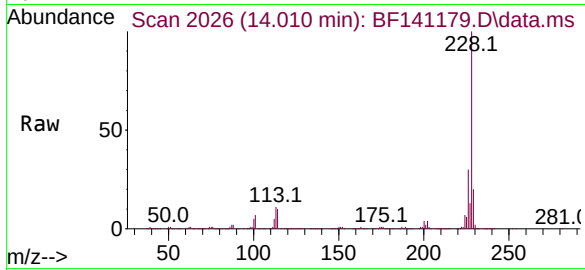
Tgt Ion:228 Resp: 877121

Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.8

229 20.0 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.948 ng

RT: 13.969 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

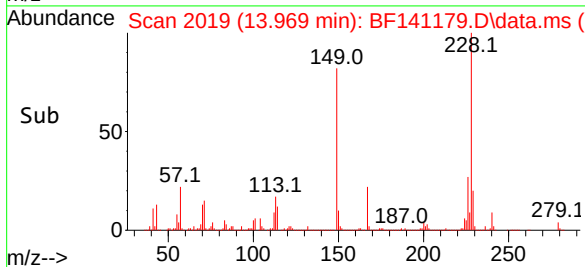
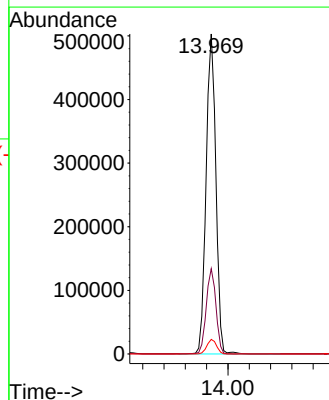
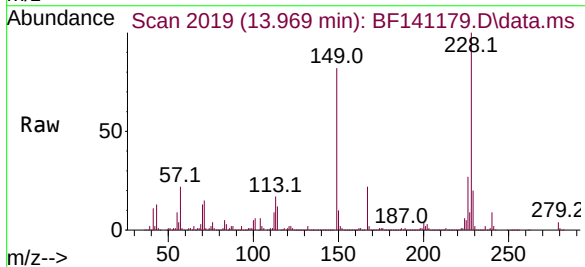
Tgt Ion:149 Resp: 637975

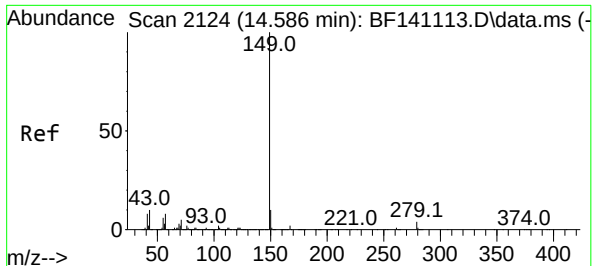
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.2

279 4.6 3.4 5.2

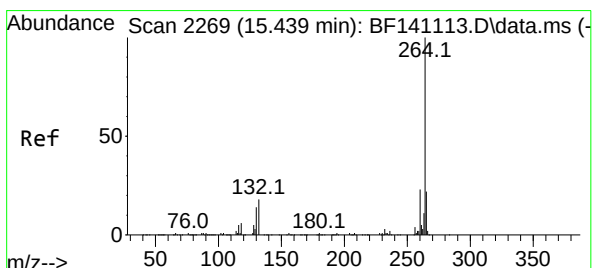
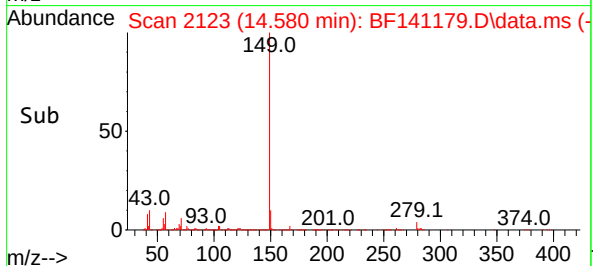
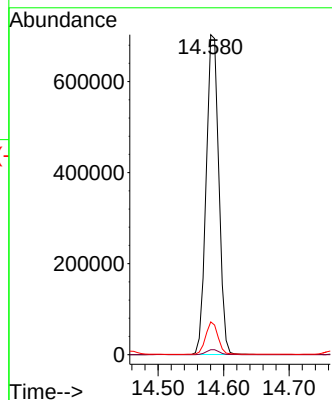
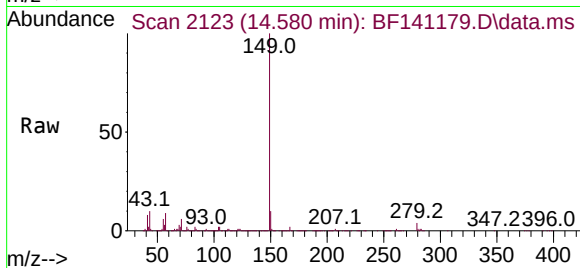




#85  
Di-n-octyl phthalate  
Concen: 42.002 ng  
RT: 14.580 min Scan# 2124  
Delta R.T. -0.006 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

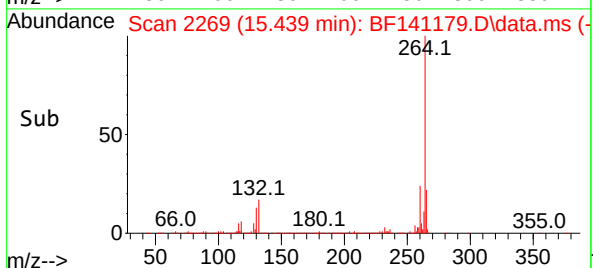
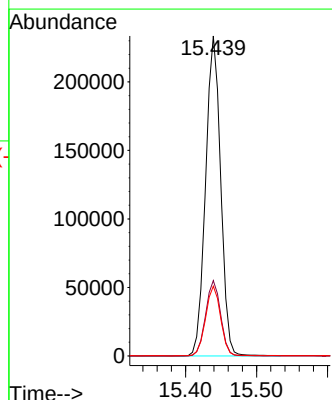
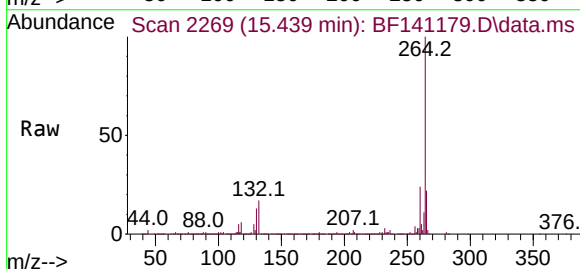
Instrument :  
BNA\_F  
ClientSampleId :  
SSTDCCC040

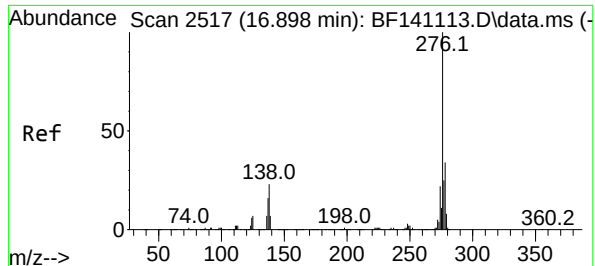
Tgt Ion:149 Resp: 942173  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 9.9 8.4 12.6



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.439 min Scan# 2269  
Delta R.T. 0.000 min  
Lab File: BF141179.D  
Acq: 16 Jan 2025 12:29

Tgt Ion:264 Resp: 345127  
Ion Ratio Lower Upper  
264 100  
260 23.6 18.6 28.0  
265 21.8 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 36.082 ng

RT: 16.892 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

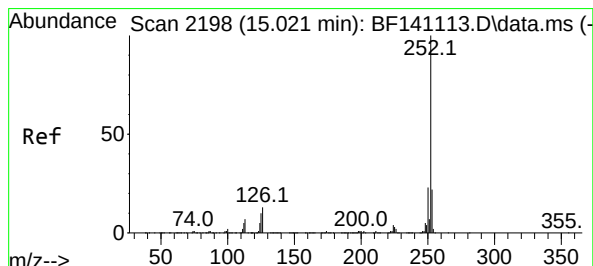
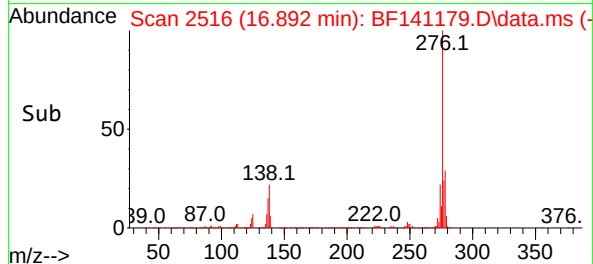
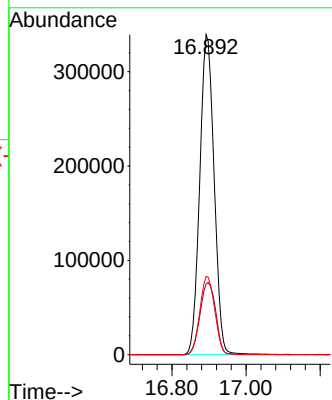
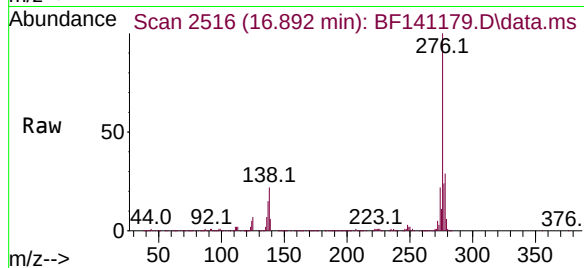
Tgt Ion:276 Resp: 912333

Ion Ratio Lower Upper

276 100

138 24.7 20.7 31.1

277 25.5 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 39.944 ng

RT: 15.016 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

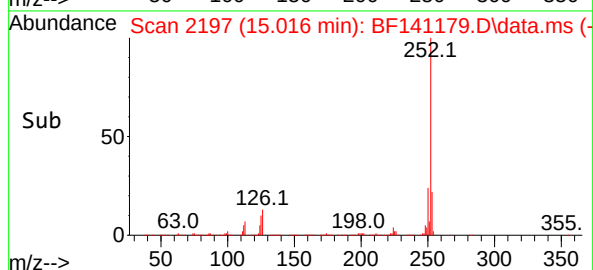
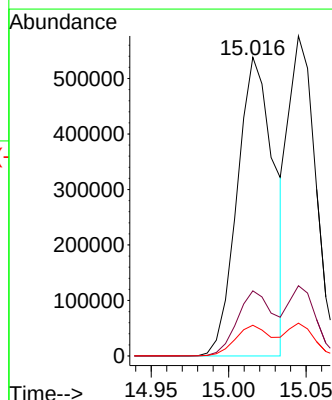
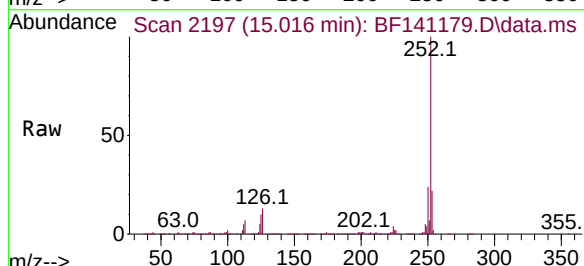
Tgt Ion:252 Resp: 888943

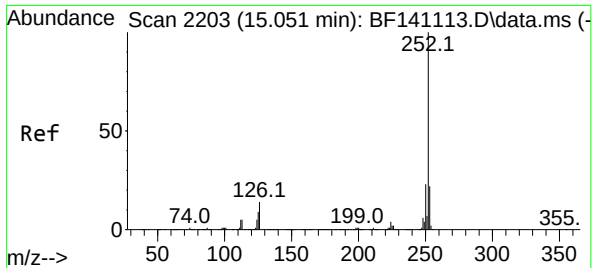
Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 10.3 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 37.383 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

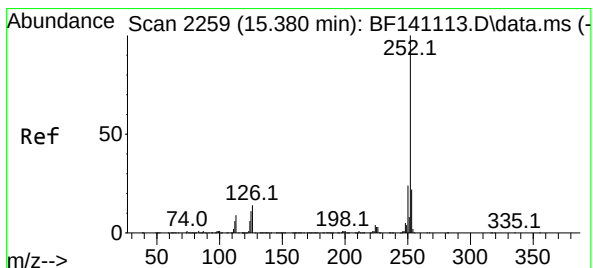
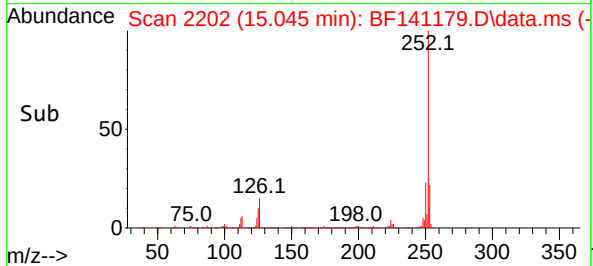
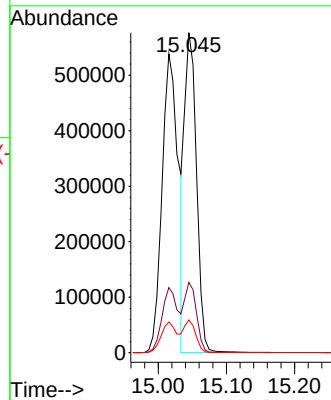
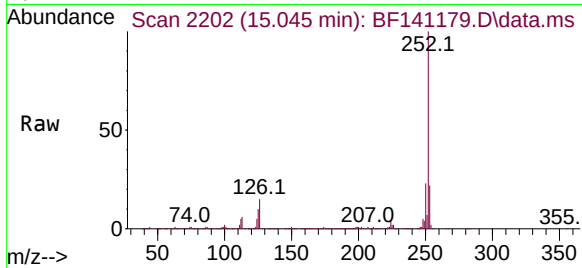
Tgt Ion:252 Resp: 703075

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 10.3 7.9 11.9



#90

Benzo(a)pyrene

Concen: 38.266 ng

RT: 15.380 min Scan# 2259

Delta R.T. 0.000 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

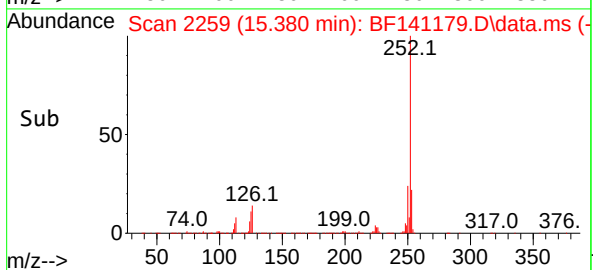
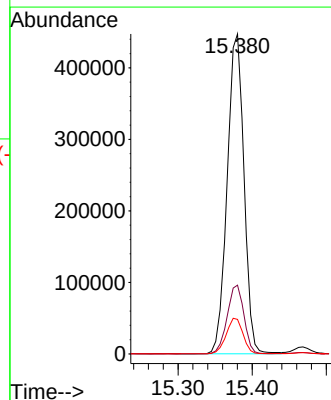
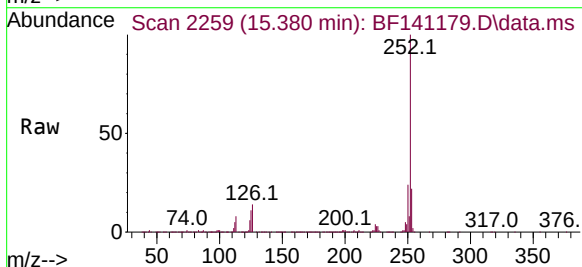
Tgt Ion:252 Resp: 702613

Ion Ratio Lower Upper

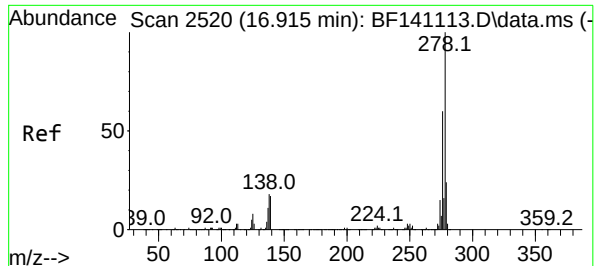
252 100

253 21.5 17.7 26.5

125 10.8 9.1 13.7







#91

Dibenzo(a,h)anthracene

Concen: 36.494 ng

RT: 16.915 min Scan# 2520

Delta R.T. 0.000 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

Instrument :

BNA\_F

ClientSampleId :

SSTDCCC040

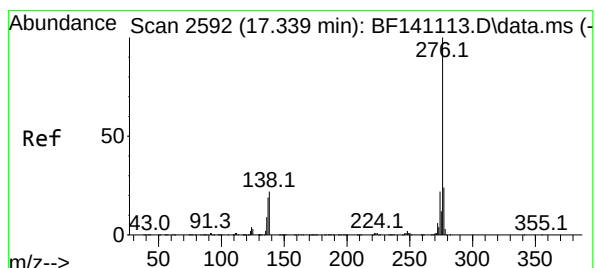
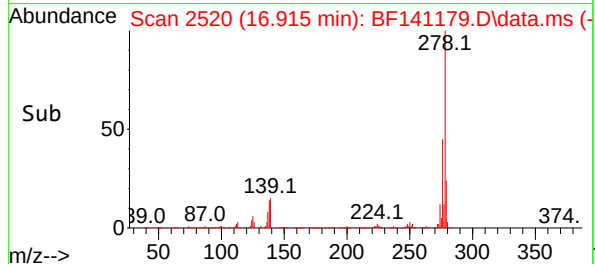
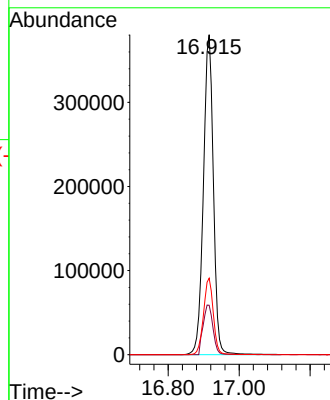
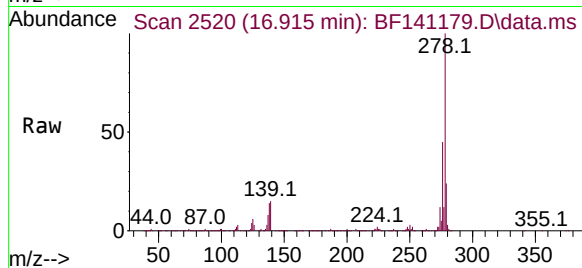
Tgt Ion:278 Resp: 746329

Ion Ratio Lower Upper

278 100

139 15.5 13.8 20.6

279 23.9 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 36.292 ng

RT: 17.333 min Scan# 2591

Delta R.T. -0.006 min

Lab File: BF141179.D

Acq: 16 Jan 2025 12:29

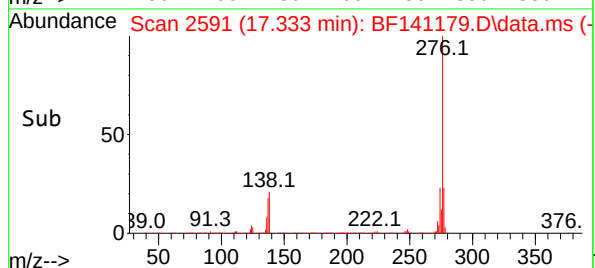
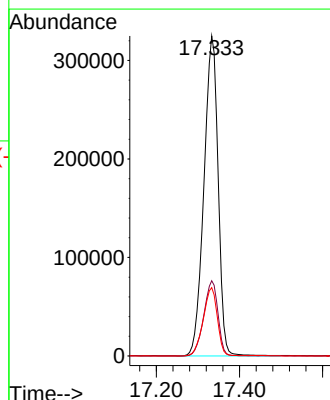
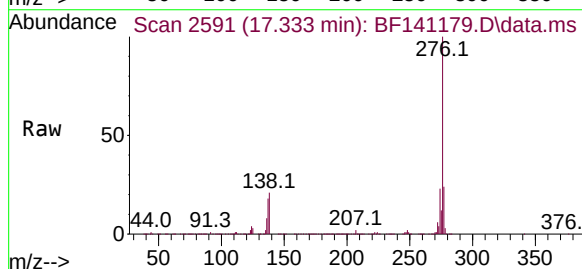
Tgt Ion:276 Resp: 772001

Ion Ratio Lower Upper

276 100

277 23.5 19.0 28.4

138 21.4 17.4 26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011625\  
 Data File : BF141179.D  
 Acq On : 16 Jan 2025 12:29  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 16 12:50:02 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  | 93    | 0.00     |
| 2    | 1,4-Dioxane                 | 0.577 | 0.523 | 9.4  | 86    | 0.00     |
| 3    | Pyridine                    | 1.414 | 1.267 | 10.4 | 87    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 0.691 | 0.644 | 6.8  | 88    | 0.00     |
| 5 S  | 2-Fluorophenol              | 1.295 | 1.183 | 8.6  | 88    | -0.01    |
| 6    | Aniline                     | 1.456 | 1.290 | 11.4 | 84    | 0.00     |
| 7 S  | Phenol-d6                   | 1.640 | 1.506 | 8.2  | 90    | 0.00     |
| 8    | 2-Chlorophenol              | 1.389 | 1.296 | 6.7  | 90    | 0.00     |
| 9    | Benzaldehyde                | 0.966 | 1.057 | -9.4 | 116   | 0.00     |
| 10 C | Phenol                      | 1.756 | 1.602 | 8.8  | 88    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 1.308 | 1.199 | 8.3  | 89    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 1.549 | 1.445 | 6.7  | 91    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 1.561 | 1.433 | 8.2  | 89    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 1.456 | 1.359 | 6.7  | 92    | 0.00     |
| 15   | Benzyl Alcohol              | 1.184 | 1.108 | 6.4  | 89    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 1.826 | 1.651 | 9.6  | 87    | 0.00     |
| 17   | 2-Methylphenol              | 1.121 | 1.032 | 7.9  | 88    | 0.00     |
| 18   | Hexachloroethane            | 0.565 | 0.535 | 5.3  | 91    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 0.966 | 0.902 | 6.6  | 93    | 0.00     |
| 20   | 3+4-Methylphenols           | 1.415 | 1.298 | 8.3  | 88    | 0.00     |
| 21 I | Naphthalene-d8              | 1.000 | 1.000 | 0.0  | 92    | 0.00     |
| 22   | Acetophenone                | 0.475 | 0.447 | 5.9  | 92    | 0.00     |
| 23 S | Nitrobenzene-d5             | 0.377 | 0.351 | 6.9  | 89    | 0.00     |
| 24   | Nitrobenzene                | 0.393 | 0.367 | 6.6  | 89    | 0.00     |
| 25   | Isophorone                  | 0.645 | 0.616 | 4.5  | 92    | 0.00     |
| 26 C | 2-Nitrophenol               | 0.179 | 0.169 | 5.6  | 87    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 0.241 | 0.230 | 4.6  | 90    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 0.405 | 0.384 | 5.2  | 91    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 0.287 | 0.272 | 5.2  | 90    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 0.328 | 0.311 | 5.2  | 91    | 0.00     |
| 31   | Naphthalene                 | 1.055 | 0.993 | 5.9  | 91    | 0.00     |
| 32   | Benzoic acid                | 0.231 | 0.227 | 1.7  | 88    | 0.00     |
| 33   | 4-Chloroaniline             | 0.365 | 0.327 | 10.4 | 87    | 0.00     |
| 34 C | Hexachlorobutadiene         | 0.197 | 0.190 | 3.6  | 93    | 0.00     |
| 35   | Caprolactam                 | 0.094 | 0.092 | 2.1  | 93    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 0.313 | 0.301 | 3.8  | 92    | 0.00     |
| 37   | 2-Methylnaphthalene         | 0.672 | 0.643 | 4.3  | 93    | 0.00     |
| 38   | 1-Methylnaphthalene         | 0.662 | 0.622 | 6.0  | 92    | 0.00     |
| 39 I | Acenaphthene-d10            | 1.000 | 1.000 | 0.0  | 95    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 0.574 | 0.543 | 5.4  | 93    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 0.188 | 0.198 | -5.3 | 94    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 0.228 | 0.227 | 0.4  | 99    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 0.387 | 0.364 | 5.9  | 91    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 0.409 | 0.396 | 3.2  | 94    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 1.310 | 1.215 | 7.3  | 94    | 0.00     |
| 46   | 1,1'-Biphenyl               | 1.553 | 1.452 | 6.5  | 93    | 0.00     |
| 47   | 2-Chloronaphthalene         | 1.210 | 1.121 | 7.4  | 91    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011625\  
 Data File : BF141179.D  
 Acq On : 16 Jan 2025 12:29  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 16 12:50:02 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 | 0.338 | 5.8   | 92    | 0.00     |
| 49   | Acenaphthylene             | 1.728 | 1.622 | 6.1   | 93    | 0.00     |
| 50   | Dimethylphthalate          | 1.343 | 1.270 | 5.4   | 93    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 0.312 | 0.295 | 5.4   | 90    | 0.00     |
| 52 C | Acenaphthene               | 1.208 | 1.140 | 5.6   | 93    | 0.00     |
| 53   | 3-Nitroaniline             | 0.317 | 0.296 | 6.6   | 89    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 0.148 | 0.143 | 3.4   | 88    | 0.00     |
| 55   | Dibenzofuran               | 1.642 | 1.539 | 6.3   | 92    | 0.00     |
| 56 P | 4-Nitrophenol              | 0.248 | 0.241 | 2.8   | 92    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 0.402 | 0.394 | 2.0   | 95    | 0.00     |
| 58   | Fluorene                   | 1.276 | 1.211 | 5.1   | 96    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 0.340 | 0.324 | 4.7   | 93    | 0.00     |
| 60   | Diethylphthalate           | 1.311 | 1.262 | 3.7   | 96    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 0.622 | 0.593 | 4.7   | 95    | 0.00     |
| 62   | 4-Nitroaniline             | 0.311 | 0.298 | 4.2   | 95    | 0.00     |
| 63   | Azobenzene                 | 1.293 | 1.227 | 5.1   | 94    | 0.00     |
| 64 I | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 100   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 0.116 | 0.123 | -6.0  | 95    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 0.645 | 0.618 | 4.2   | 95    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 0.230 | 0.227 | 1.3   | 98    | 0.00     |
| 68   | Hexachlorobenzene          | 0.256 | 0.252 | 1.6   | 97    | 0.00     |
| 69   | Atrazine                   | 0.174 | 0.198 | -13.8 | 140   | 0.00     |
| 70 C | Pentachlorophenol          | 0.164 | 0.168 | -2.4  | 97    | 0.00     |
| 71   | Phenanthrene               | 1.074 | 1.037 | 3.4   | 97    | 0.00     |
| 72   | Anthracene                 | 1.044 | 1.018 | 2.5   | 97    | 0.00     |
| 73   | Carbazole                  | 0.957 | 0.939 | 1.9   | 99    | 0.00     |
| 74   | Di-n-butylphthalate        | 1.096 | 1.136 | -3.6  | 104   | 0.00     |
| 75 C | Fluoranthene               | 1.071 | 1.100 | -2.7  | 106   | 0.00     |
| 76 I | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 118   | 0.00     |
| 77   | Benzydine                  | 0.371 | 0.332 | 10.5  | 96    | 0.00     |
| 78   | Pyrene                     | 1.910 | 1.651 | 13.6  | 106   | 0.00     |
| 79 S | Terphenyl-d14              | 1.346 | 1.206 | 10.4  | 112   | 0.00     |
| 80   | Butylbenzylphthalate       | 0.637 | 0.644 | -1.1  | 124   | 0.00     |
| 81   | Benzo(a)anthracene         | 1.361 | 1.239 | 9.0   | 118   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 0.433 | 0.385 | 11.1  | 109   | 0.00     |
| 83   | Chrysene                   | 1.274 | 1.128 | 11.5  | 111   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 0.764 | 0.820 | -7.3  | 134   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 1.154 | 1.212 | -5.0  | 125   | 0.00     |
| 86 I | Perylene-d12               | 1.000 | 1.000 | 0.0   | 97    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 1.465 | 1.322 | 9.8   | 87    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 1.290 | 1.288 | 0.2   | 104   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 1.090 | 1.019 | 6.5   | 95    | 0.00     |
| 90 C | Benzo(a)pyrene             | 1.064 | 1.018 | 4.3   | 95    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 1.185 | 1.081 | 8.8   | 88    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 1.233 | 1.118 | 9.3   | 86    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011625\  
Data File : BF141179.D  
Acq On : 16 Jan 2025 12:29  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Jan 16 12:50:02 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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011625\  
 Data File : BF141179.D  
 Acq On : 16 Jan 2025 12:29  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 16 12:50:02 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  | 93    | 0.00     |
| 2    | 1,4-Dioxane                 | 40.000 | 36.273 | 9.3  | 86    | 0.00     |
| 3    | Pyridine                    | 40.000 | 35.837 | 10.4 | 87    | -0.01    |
| 4    | n-Nitrosodimethylamine      | 40.000 | 37.273 | 6.8  | 88    | 0.00     |
| 5 S  | 2-Fluorophenol              | 80.000 | 73.116 | 8.6  | 88    | -0.01    |
| 6    | Aniline                     | 40.000 | 35.432 | 11.4 | 84    | 0.00     |
| 7 S  | Phenol-d6                   | 80.000 | 73.472 | 8.2  | 90    | 0.00     |
| 8    | 2-Chlorophenol              | 40.000 | 37.330 | 6.7  | 90    | 0.00     |
| 9    | Benzaldehyde                | 40.000 | 43.793 | -9.5 | 116   | 0.00     |
| 10 C | Phenol                      | 40.000 | 36.500 | 8.8  | 88    | 0.00     |
| 11   | bis(2-Chloroethyl)ether     | 40.000 | 36.646 | 8.4  | 89    | 0.00     |
| 12   | 1,3-Dichlorobenzene         | 40.000 | 37.311 | 6.7  | 91    | 0.00     |
| 13 C | 1,4-Dichlorobenzene         | 40.000 | 36.711 | 8.2  | 89    | 0.00     |
| 14   | 1,2-Dichlorobenzene         | 40.000 | 37.341 | 6.6  | 92    | 0.00     |
| 15   | Benzyl Alcohol              | 40.000 | 37.426 | 6.4  | 89    | 0.00     |
| 16   | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.168 | 9.6  | 87    | 0.00     |
| 17   | 2-Methylphenol              | 40.000 | 36.817 | 8.0  | 88    | 0.00     |
| 18   | Hexachloroethane            | 40.000 | 37.913 | 5.2  | 91    | 0.00     |
| 19 P | n-Nitroso-di-n-propylamine  | 40.000 | 37.334 | 6.7  | 93    | 0.00     |
| 20   | 3+4-Methylphenols           | 40.000 | 36.705 | 8.2  | 88    | 0.00     |
| 21 I | Naphthalene-d8              | 20.000 | 20.000 | 0.0  | 92    | 0.00     |
| 22   | Acetophenone                | 40.000 | 37.590 | 6.0  | 92    | 0.00     |
| 23 S | Nitrobenzene-d5             | 80.000 | 74.505 | 6.9  | 89    | 0.00     |
| 24   | Nitrobenzene                | 40.000 | 37.297 | 6.8  | 89    | 0.00     |
| 25   | Isophorone                  | 40.000 | 38.211 | 4.5  | 92    | 0.00     |
| 26 C | 2-Nitrophenol               | 40.000 | 37.891 | 5.3  | 87    | 0.00     |
| 27   | 2,4-Dimethylphenol          | 40.000 | 38.167 | 4.6  | 90    | 0.00     |
| 28   | bis(2-Chloroethoxy)methane  | 40.000 | 37.998 | 5.0  | 91    | 0.00     |
| 29 C | 2,4-Dichlorophenol          | 40.000 | 38.005 | 5.0  | 90    | 0.00     |
| 30   | 1,2,4-Trichlorobenzene      | 40.000 | 37.984 | 5.0  | 91    | 0.00     |
| 31   | Naphthalene                 | 40.000 | 37.658 | 5.9  | 91    | 0.00     |
| 32   | Benzoic acid                | 40.000 | 39.233 | 1.9  | 88    | 0.00     |
| 33   | 4-Chloroaniline             | 40.000 | 35.820 | 10.4 | 87    | 0.00     |
| 34 C | Hexachlorobutadiene         | 40.000 | 38.471 | 3.8  | 93    | 0.00     |
| 35   | Caprolactam                 | 40.000 | 39.068 | 2.3  | 93    | 0.00     |
| 36 C | 4-Chloro-3-methylphenol     | 40.000 | 38.378 | 4.1  | 92    | 0.00     |
| 37   | 2-Methylnaphthalene         | 40.000 | 38.270 | 4.3  | 93    | 0.00     |
| 38   | 1-Methylnaphthalene         | 40.000 | 37.564 | 6.1  | 92    | 0.00     |
| 39 I | Acenaphthene-d10            | 20.000 | 20.000 | 0.0  | 95    | 0.00     |
| 40   | 1,2,4,5-Tetrachlorobenzene  | 40.000 | 37.848 | 5.4  | 93    | 0.00     |
| 41 P | Hexachlorocyclopentadiene   | 40.000 | 42.227 | -5.6 | 94    | 0.00     |
| 42 S | 2,4,6-Tribromophenol        | 80.000 | 79.674 | 0.4  | 99    | 0.00     |
| 43 C | 2,4,6-Trichlorophenol       | 40.000 | 37.625 | 5.9  | 91    | 0.00     |
| 44   | 2,4,5-Trichlorophenol       | 40.000 | 38.733 | 3.2  | 94    | 0.00     |
| 45 S | 2-Fluorobiphenyl            | 80.000 | 74.242 | 7.2  | 94    | 0.00     |
| 46   | 1,1'-Biphenyl               | 40.000 | 37.393 | 6.5  | 93    | 0.00     |
| 47   | 2-Chloronaphthalene         | 40.000 | 37.062 | 7.3  | 91    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011625\  
 Data File : BF141179.D  
 Acq On : 16 Jan 2025 12:29  
 Operator : RC/JU  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 LabSampleId :  
 SSTDCCC040

Quant Time: Jan 16 12:50:02 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 | 37.695 | 5.8   | 92    | 0.00     |
| 49   | Acenaphthylene             | 40.000 | 37.536 | 6.2   | 93    | 0.00     |
| 50   | Dimethylphthalate          | 40.000 | 37.823 | 5.4   | 93    | 0.00     |
| 51   | 2,6-Dinitrotoluene         | 40.000 | 37.845 | 5.4   | 90    | 0.00     |
| 52 C | Acenaphthene               | 40.000 | 37.761 | 5.6   | 93    | 0.00     |
| 53   | 3-Nitroaniline             | 40.000 | 37.307 | 6.7   | 89    | 0.00     |
| 54 P | 2,4-Dinitrophenol          | 40.000 | 38.594 | 3.5   | 88    | 0.00     |
| 55   | Dibenzofuran               | 40.000 | 37.474 | 6.3   | 92    | 0.00     |
| 56 P | 4-Nitrophenol              | 40.000 | 38.861 | 2.8   | 92    | 0.00     |
| 57   | 2,4-Dinitrotoluene         | 40.000 | 39.183 | 2.0   | 95    | 0.00     |
| 58   | Fluorene                   | 40.000 | 37.969 | 5.1   | 96    | 0.00     |
| 59   | 2,3,4,6-Tetrachlorophenol  | 40.000 | 38.088 | 4.8   | 93    | 0.00     |
| 60   | Diethylphthalate           | 40.000 | 38.511 | 3.7   | 96    | 0.00     |
| 61   | 4-Chlorophenyl-phenylether | 40.000 | 38.145 | 4.6   | 95    | 0.00     |
| 62   | 4-Nitroaniline             | 40.000 | 38.442 | 3.9   | 95    | 0.00     |
| 63   | Azobenzene                 | 40.000 | 37.947 | 5.1   | 94    | 0.00     |
| 64 I | Phenanthrene-d10           | 20.000 | 20.000 | 0.0   | 100   | 0.00     |
| 65   | 4,6-Dinitro-2-methylphenol | 40.000 | 42.483 | -6.2  | 95    | 0.00     |
| 66 c | n-Nitrosodiphenylamine     | 40.000 | 38.301 | 4.2   | 95    | 0.00     |
| 67   | 4-Bromophenyl-phenylether  | 40.000 | 39.370 | 1.6   | 98    | 0.00     |
| 68   | Hexachlorobenzene          | 40.000 | 39.263 | 1.8   | 97    | 0.00     |
| 69   | Atrazine                   | 40.000 | 45.578 | -13.9 | 140   | 0.00     |
| 70 C | Pentachlorophenol          | 40.000 | 40.964 | -2.4  | 97    | 0.00     |
| 71   | Phenanthrene               | 40.000 | 38.629 | 3.4   | 97    | 0.00     |
| 72   | Anthracene                 | 40.000 | 39.007 | 2.5   | 97    | 0.00     |
| 73   | Carbazole                  | 40.000 | 39.228 | 1.9   | 99    | 0.00     |
| 74   | Di-n-butylphthalate        | 40.000 | 41.484 | -3.7  | 104   | 0.00     |
| 75 C | Fluoranthene               | 40.000 | 41.075 | -2.7  | 106   | 0.00     |
| 76 I | Chrysene-d12               | 20.000 | 20.000 | 0.0   | 118   | 0.00     |
| 77   | Benzydine                  | 40.000 | 35.755 | 10.6  | 96    | 0.00     |
| 78   | Pyrene                     | 40.000 | 34.574 | 13.6  | 106   | 0.00     |
| 79 S | Terphenyl-d14              | 80.000 | 71.704 | 10.4  | 112   | 0.00     |
| 80   | Butylbenzylphthalate       | 40.000 | 40.468 | -1.2  | 124   | 0.00     |
| 81   | Benzo(a)anthracene         | 40.000 | 36.418 | 9.0   | 118   | 0.00     |
| 82   | 3,3'-Dichlorobenzidine     | 40.000 | 35.572 | 11.1  | 109   | 0.00     |
| 83   | Chrysene                   | 40.000 | 35.430 | 11.4  | 111   | 0.00     |
| 84   | Bis(2-ethylhexyl)phthalate | 40.000 | 42.948 | -7.4  | 134   | 0.00     |
| 85 c | Di-n-octyl phthalate       | 40.000 | 42.002 | -5.0  | 125   | 0.00     |
| 86 I | Perylene-d12               | 20.000 | 20.000 | 0.0   | 97    | 0.00     |
| 87   | Indeno(1,2,3-cd)pyrene     | 40.000 | 36.082 | 9.8   | 87    | 0.00     |
| 88   | Benzo(b)fluoranthene       | 40.000 | 39.944 | 0.1   | 104   | 0.00     |
| 89   | Benzo(k)fluoranthene       | 40.000 | 37.383 | 6.5   | 95    | 0.00     |
| 90 C | Benzo(a)pyrene             | 40.000 | 38.266 | 4.3   | 95    | 0.00     |
| 91   | Dibenzo(a,h)anthracene     | 40.000 | 36.494 | 8.8   | 88    | 0.00     |
| 92   | Benzo(g,h,i)perylene       | 40.000 | 36.292 | 9.3   | 86    | 0.00     |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011625\  
Data File : BF141179.D  
Acq On : 16 Jan 2025 12:29  
Operator : RC/JU  
Sample : SSTDCCC040  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_F  
LabSampleId :  
SSTDCCC040

Quant Time: Jan 16 12:50:02 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



# QC SAMPLE DATA

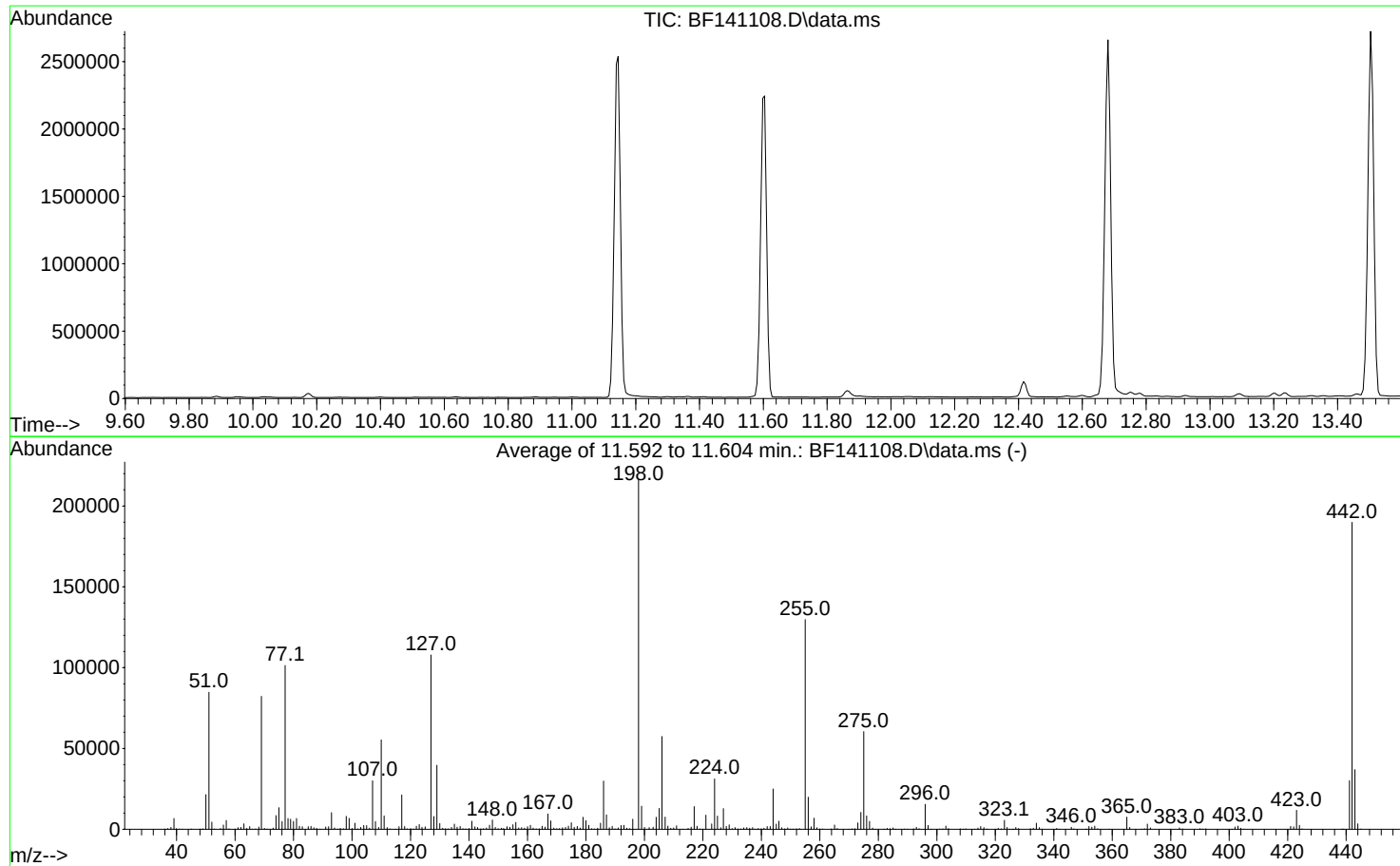


Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011025\  
Data File : BF141108.D  
Acq On : 10 Jan 2025 11:32  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

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<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>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

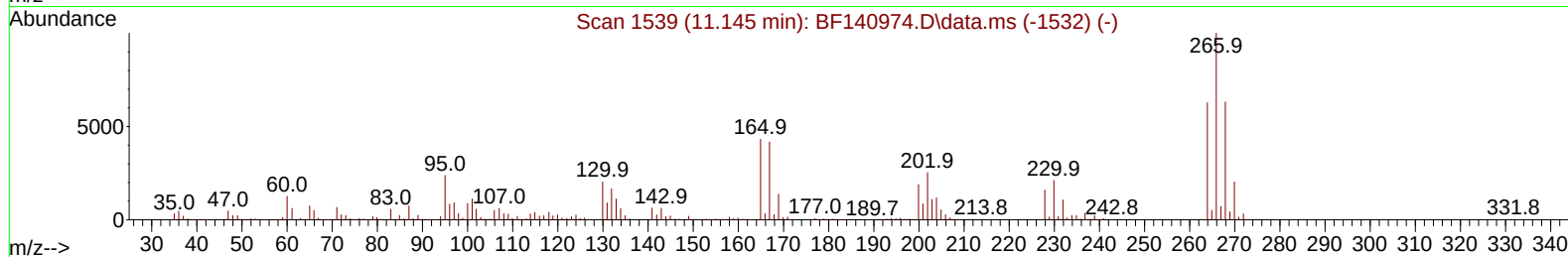
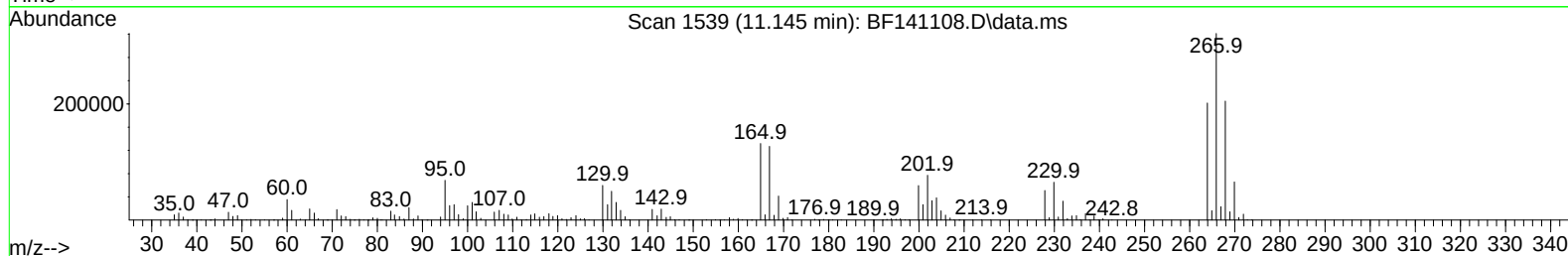
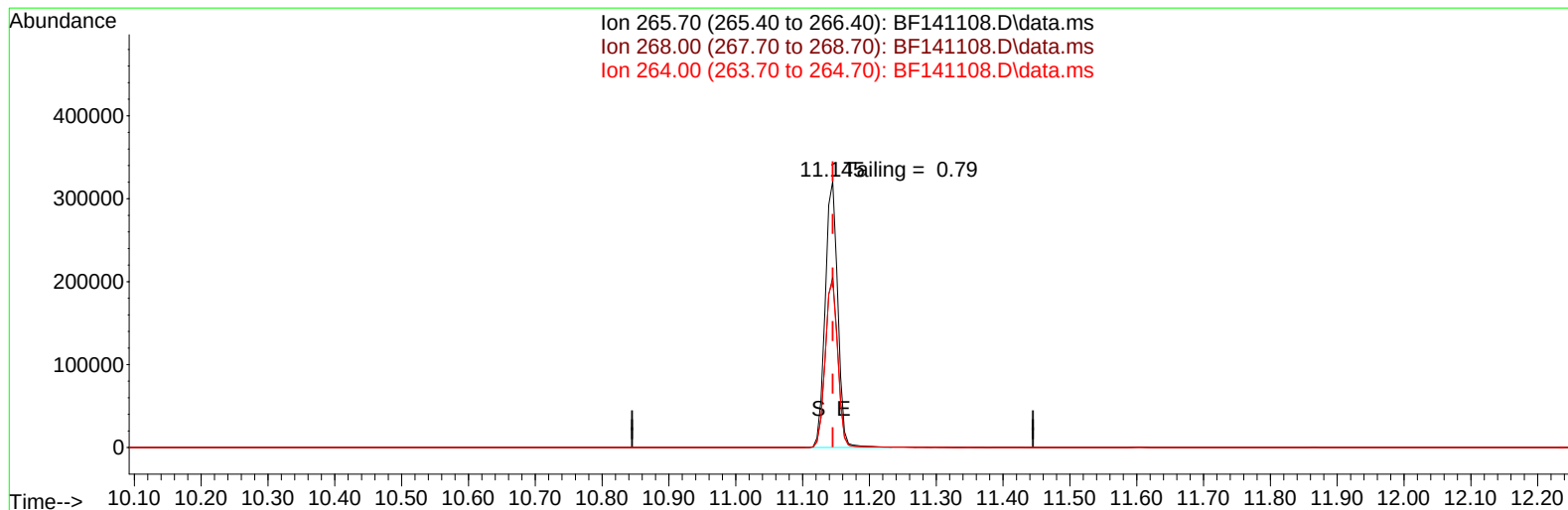
| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 1/10/2025     | BNA_F            | <u>BF141108.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound 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

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)**

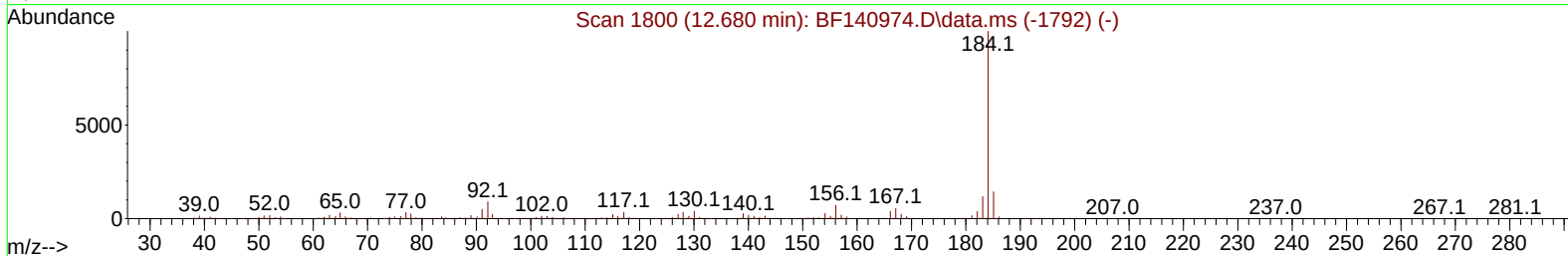
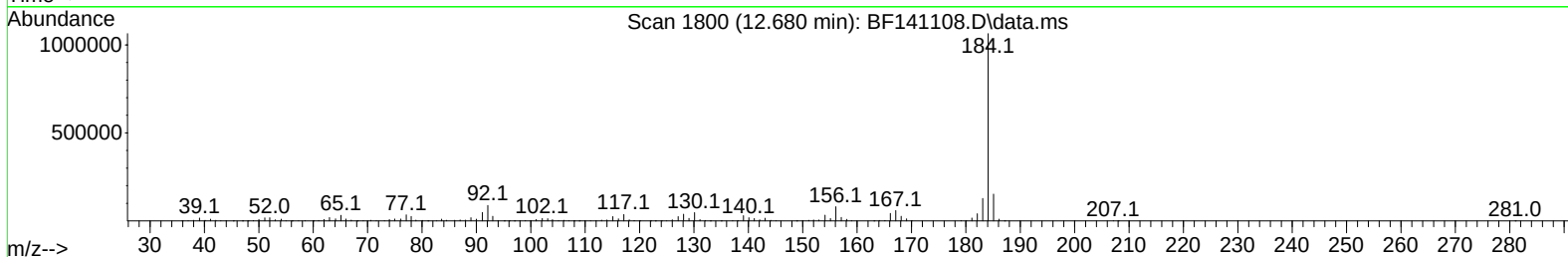
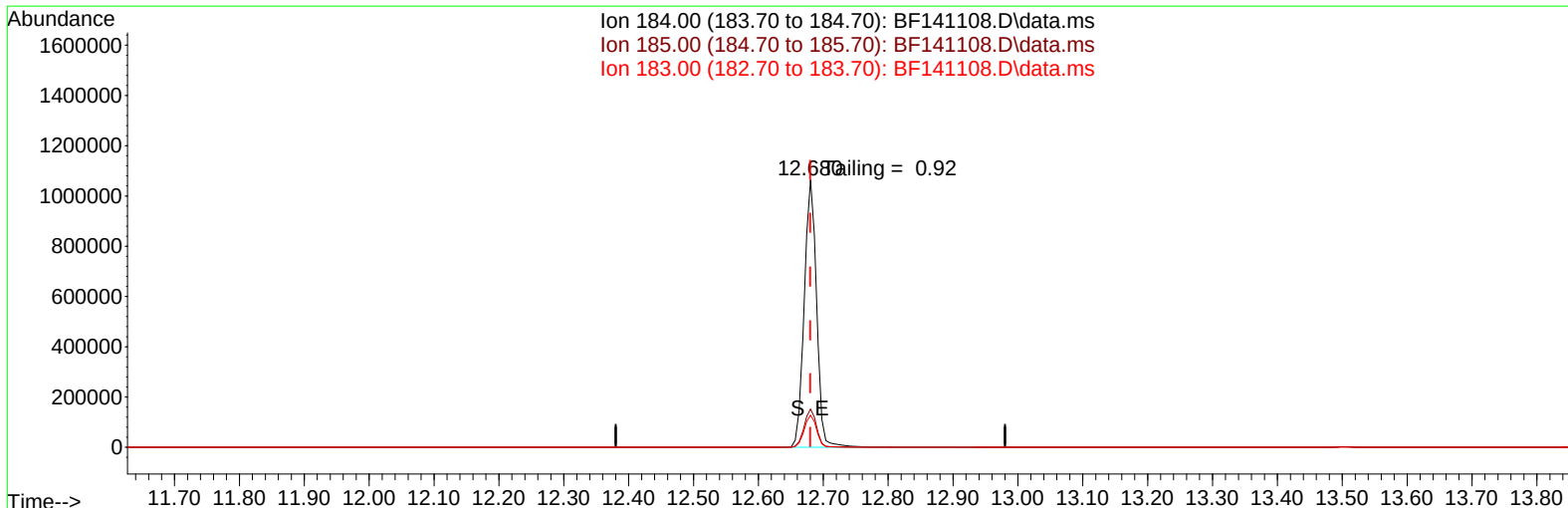
11.145min (+ 0.000) 27837.42 ng

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   |

**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**

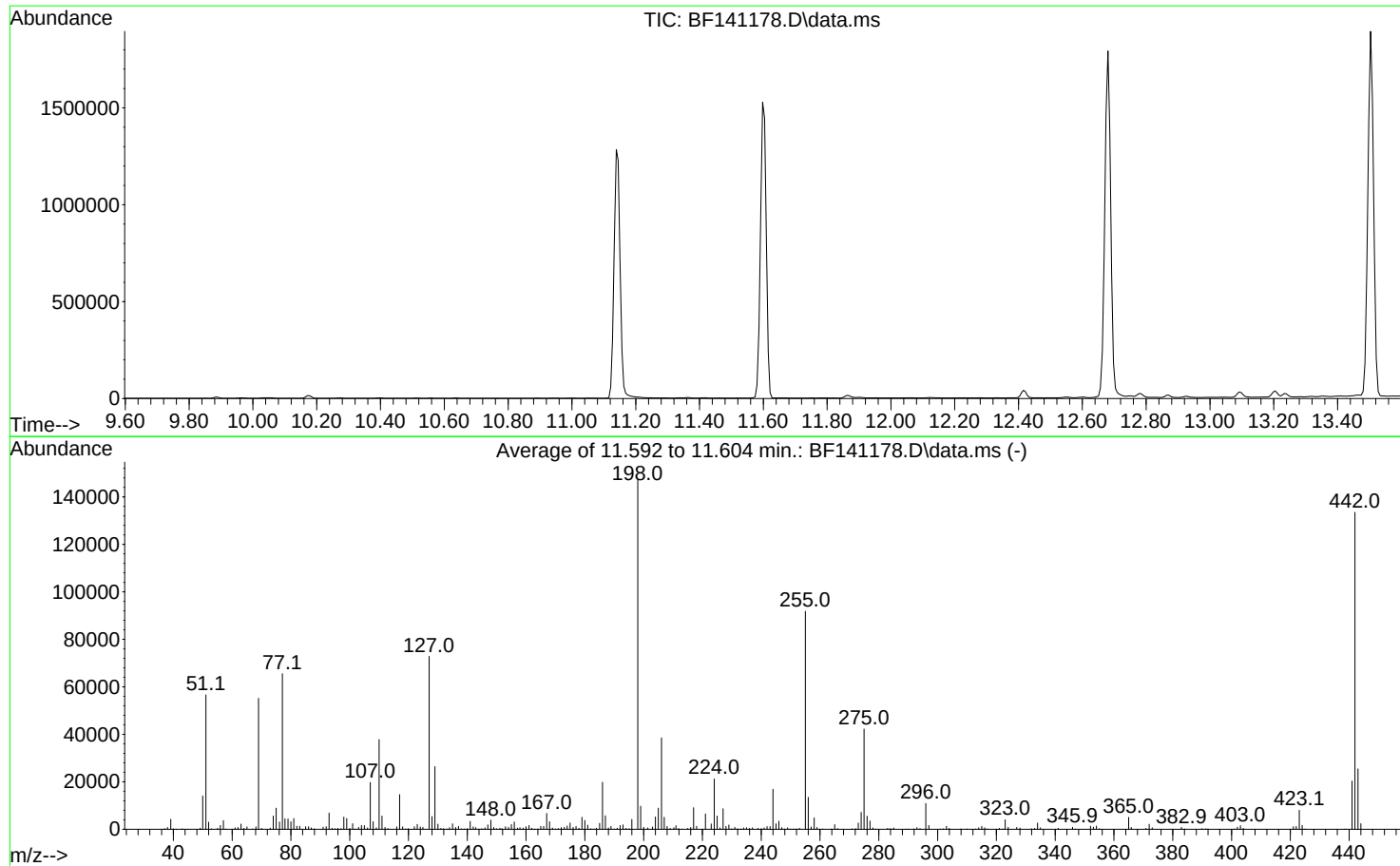
| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.30  | 14.35  |
| 183.00 | 11.70  | 12.05  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011625\  
Data File : BF141178.D  
Acq On : 16 Jan 2025 10:25  
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<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 51             | 198             | 10              | 80              | 38.4         | 56629      | PASS                |
| 68             | 69              | 0.00            | 2               | 1.9          | 1050       | PASS                |
| 69             | 198             | 0.00            | 100             | 37.5         | 55181      | PASS                |
| 70             | 69              | 0.00            | 2               | 0.7          | 398        | PASS                |
| 127            | 198             | 10              | 80              | 49.5         | 72840      | PASS                |
| 197            | 198             | 0.00            | 2               | 0.0          | 0          | PASS                |
| 198            | 198             | 100             | 100             | 100.0        | 147293     | PASS                |
| 199            | 198             | 5               | 9               | 6.6          | 9747       | PASS                |
| 275            | 198             | 10              | 60              | 28.6         | 42197      | PASS                |
| 365            | 198             | 1               | 100             | 3.4          | 4983       | PASS                |
| 441            | 198             | 0.01            | 100             | 13.8         | 20308      | PASS                |
| 442            | 442             | 50              | 100             | 100.0        | 133515     | PASS                |
| 443            | 442             | 15              | 24              | 19.1         | 25469      | PASS                |

# DDT Breakdown

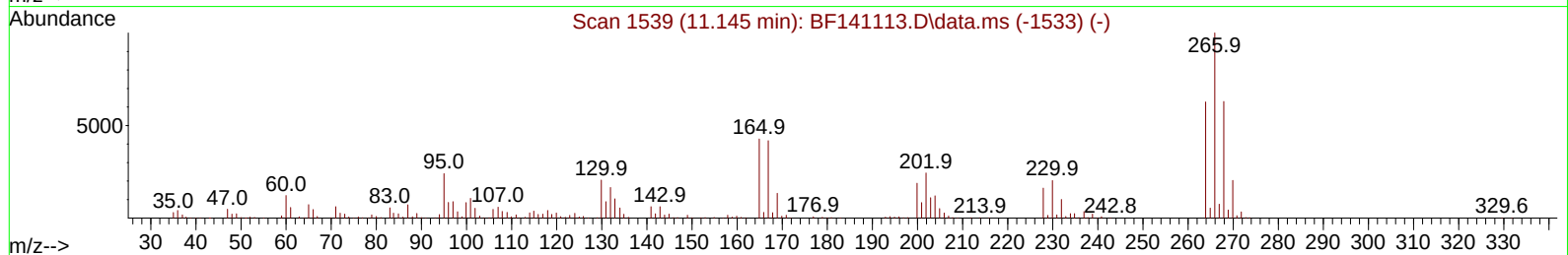
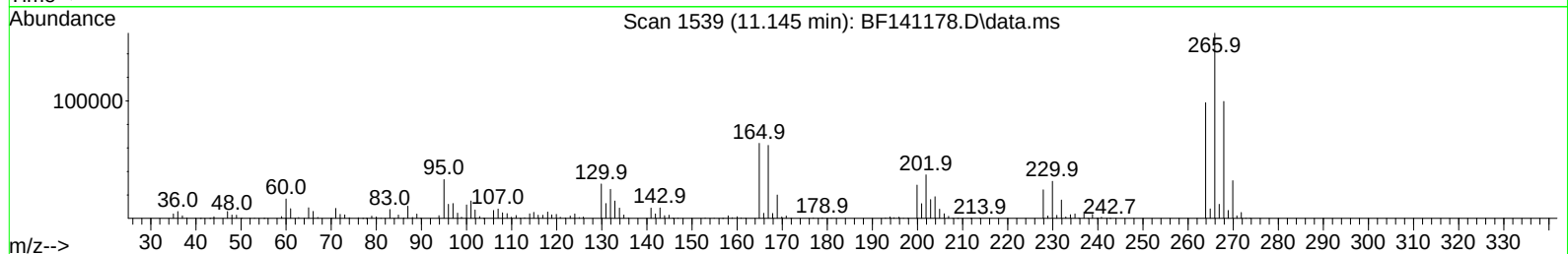
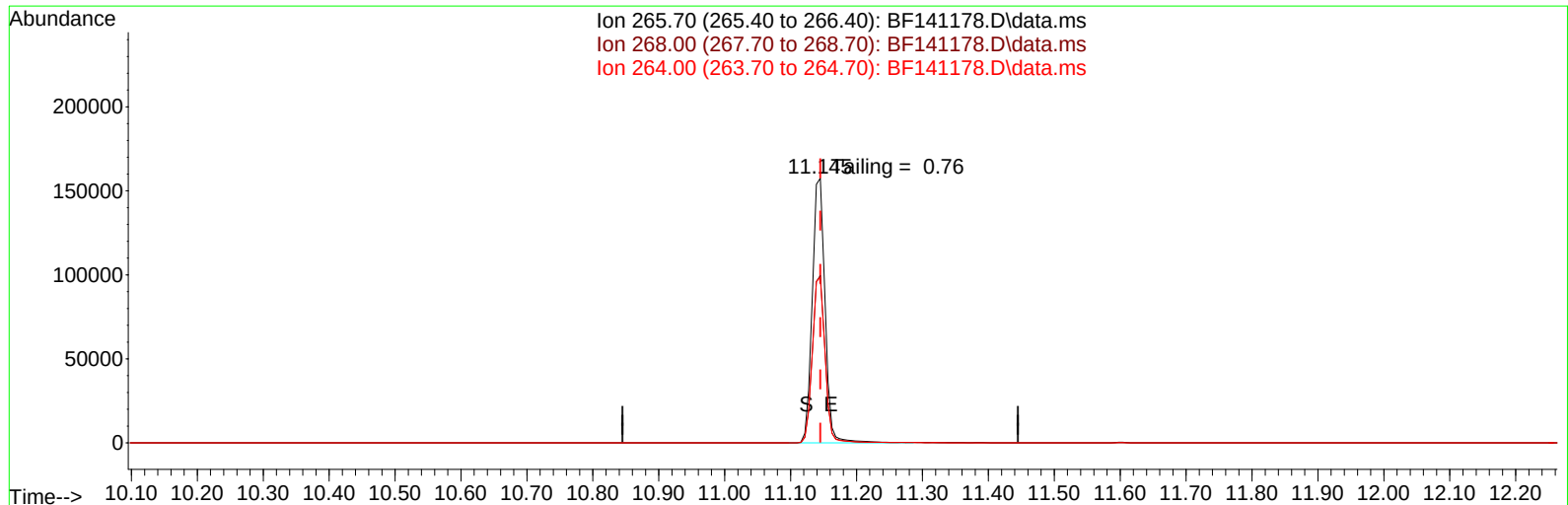
| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 1/16/2025     | BNA_F            | <u>BF141178.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 466469           | 13.504             |
| DDD           | 12624            | 13.204             |
| DDE           | 2391             | 12.868             |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 15015         | 481484           | 3.12               |
|               |                  |                    |

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011625\  
Data File : BF141178.D  
Acq On : 16 Jan 2025 10:25  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Jan 16 11:15:54 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 22:54:19 2025  
Response via : Initial Calibration



TIC: BF141178.D\data.ms

**(70) Pentachlorophenol (C)**

**11.145min (-0.000) 19050.59 ng**

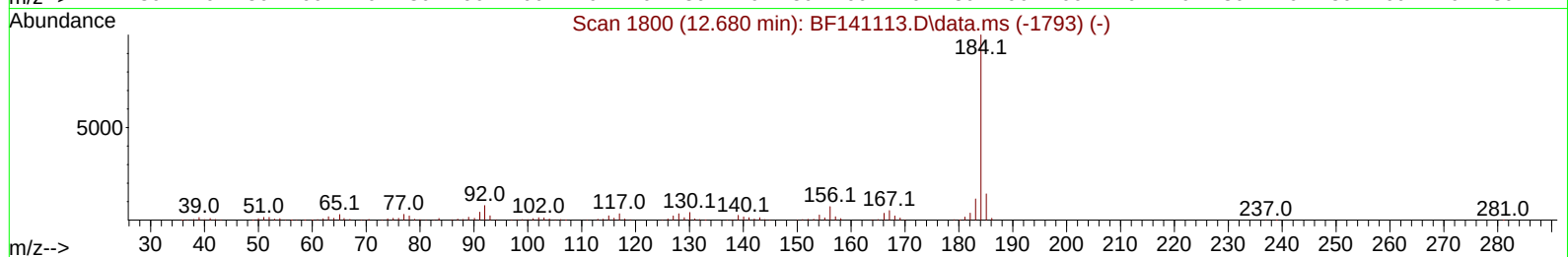
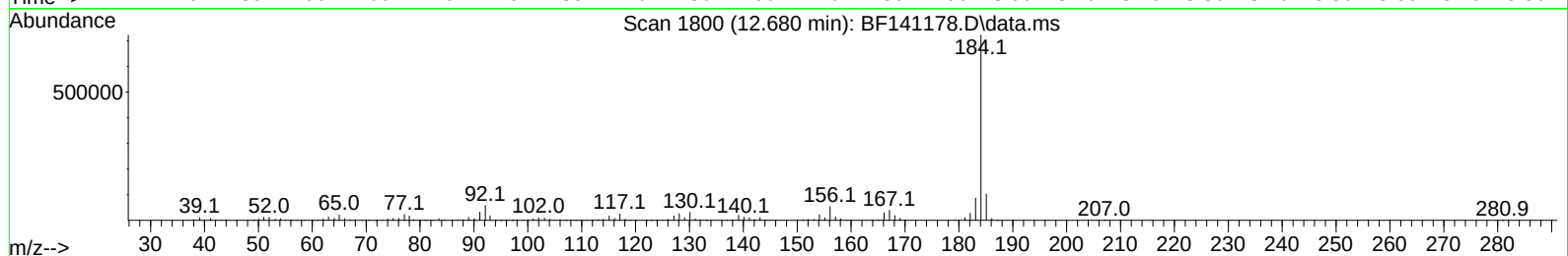
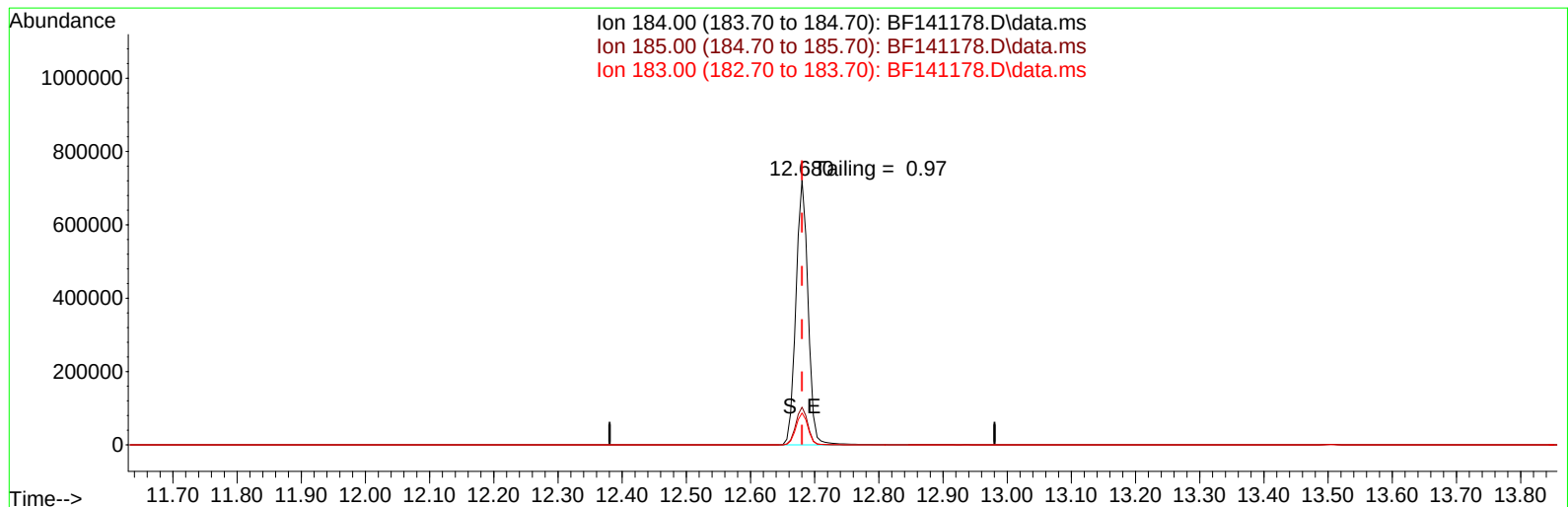
**response 212333**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.00  | 63.21  |
| 264.00 | 62.70  | 62.52  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011625\  
Data File : BF141178.D  
Acq On : 16 Jan 2025 10:25  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DFTPP

Quant Time: Jan 16 11:15:54 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 22:54:19 2025  
Response via : Initial Calibration



TIC: BF141178.D\data.ms

**(77) Benzidine**

**12.680min (-0.000) 33525.20 ng**

**response 949342**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.20  | 14.26  |
| 183.00 | 11.50  | 12.06  |
| 0.00   | 0.00   | 0.00   |



## Report of Analysis

|                    |                        |                 |                   |
|--------------------|------------------------|-----------------|-------------------|
| Client:            | Ardmore Chemical       | Date Collected: |                   |
| Project:           | PVSC Monthly 2025      | Date Received:  |                   |
| Client Sample ID:  | PB166033BL             | SDG No.:        | Q1066             |
| Lab Sample ID:     | PB166033BL             | Matrix:         | Water             |
| Analytical Method: | 625.1                  | % Solid:        | 0                 |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL      |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOCMS Group1     |
| Extraction Type :  | Decanted :    N        | Level :         | LOW               |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N            PH : |
| Prep Method :      | 3510C                  |                 |                   |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141184.D        | 1         | 01/13/25 08:22 | 01/16/25 14:40 | PB166033      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 1.00  | U         | 1.00 | 10.0       | ug/L  |
| 108-95-2       | Phenol                      | 0.93  | U         | 0.93 | 5.00       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 1.20  | U         | 1.20 | 5.00       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 0.71  | U         | 0.71 | 5.00       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 1.40  | U         | 1.40 | 5.00       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 1.50  | U         | 1.50 | 5.00       | ug/L  |
| 67-72-1        | Hexachloroethane            | 1.00  | U         | 1.00 | 5.00       | ug/L  |
| 98-95-3        | Nitrobenzene                | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 78-59-1        | Isophorone                  | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 2.00  | U         | 2.00 | 5.00       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 1.50  | U         | 1.50 | 5.00       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 1.00  | U         | 1.00 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 0.88  | U         | 0.88 | 5.00       | ug/L  |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                 | 1.00  | U         | 1.00 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 0.84  | U         | 0.84 | 5.00       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 5.00  | U         | 5.00 | 10.0       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 0.89  | U         | 0.89 | 5.00       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 0.97  | U         | 0.97 | 5.00       | ug/L  |
| 131-11-3       | Dimethylphthalate           | 0.93  | U         | 0.93 | 5.00       | ug/L  |
| 208-96-8       | Acenaphthylene              | 1.00  | U         | 1.00 | 5.00       | ug/L  |
| 606-20-2       | 2,6-Dinitrotoluene          | 1.20  | U         | 1.20 | 5.00       | ug/L  |
| 83-32-9        | Acenaphthene                | 0.81  | U         | 0.81 | 5.00       | ug/L  |
| 51-28-5        | 2,4-Dinitrophenol           | 6.40  | U         | 6.40 | 10.0       | ug/L  |
| 100-02-7       | 4-Nitrophenol               | 2.00  | U         | 2.00 | 10.0       | ug/L  |
| 121-14-2       | 2,4-Dinitrotoluene          | 1.50  | U         | 1.50 | 5.00       | ug/L  |
| 84-66-2        | Diethylphthalate            | 1.00  | U         | 1.00 | 5.00       | ug/L  |
| 7005-72-3      | 4-Chlorophenyl-phenylether  | 0.98  | U         | 0.98 | 5.00       | ug/L  |

## Report of Analysis

|                    |                        |                 |                   |
|--------------------|------------------------|-----------------|-------------------|
| Client:            | Ardmore Chemical       | Date Collected: |                   |
| Project:           | PVSC Monthly 2025      | Date Received:  |                   |
| Client Sample ID:  | PB166033BL             | SDG No.:        | Q1066             |
| Lab Sample ID:     | PB166033BL             | Matrix:         | Water             |
| Analytical Method: | 625.1                  | % Solid:        | 0                 |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL      |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOCMS Group1     |
| Extraction Type :  | Decanted :    N        | Level :         | LOW               |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N            PH : |
| Prep Method :      | 3510C                  |                 |                   |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141184.D        | 1         | 01/13/25 08:22 | 01/16/25 14:40 | PB166033      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------------|-------|
| 86-73-7    | Fluorene                   | 0.96  | U         | 0.96 | 5.00       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 3.10  | U         | 3.10 | 10.0       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 0.89  | U         | 0.89 | 5.00       | ug/L  |
| 103-33-3   | Azobenzene                 | 1.20  | U         | 1.20 | 5.00       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 0.95  | U         | 0.95 | 5.00       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 1.90  | U         | 1.90 | 10.0       | ug/L  |
| 85-01-8    | Phenanthrene               | 0.89  | U         | 0.89 | 5.00       | ug/L  |
| 120-12-7   | Anthracene                 | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 1.50  | U         | 1.50 | 5.00       | ug/L  |
| 206-44-0   | Fluoranthene               | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 92-87-5    | Benzidine                  | 4.10  | U         | 4.10 | 10.0       | ug/L  |
| 129-00-0   | Pyrene                     | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 2.10  | U         | 2.10 | 5.00       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 1.30  | U         | 1.30 | 10.0       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 0.94  | U         | 0.94 | 5.00       | ug/L  |
| 218-01-9   | Chrysene                   | 0.86  | U         | 0.86 | 5.00       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 1.90  | U         | 1.90 | 5.00       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 2.50  | U         | 2.50 | 10.0       | ug/L  |
| 205-99-2   | Benzo(b)fluoranthene       | 1.10  | U         | 1.10 | 5.00       | ug/L  |
| 207-08-9   | Benzo(k)fluoranthene       | 1.20  | U         | 1.20 | 5.00       | ug/L  |
| 50-32-8    | Benzo(a)pyrene             | 1.70  | U         | 1.70 | 5.00       | ug/L  |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 1.00  | U         | 1.00 | 5.00       | ug/L  |
| 53-70-3    | Dibenzo(a,h)anthracene     | 1.20  | U         | 1.20 | 5.00       | ug/L  |
| 191-24-2   | Benzo(g,h,i)perylene       | 1.20  | U         | 1.20 | 5.00       | ug/L  |

**SURROGATES**

|            |                  |      |  |          |     |          |
|------------|------------------|------|--|----------|-----|----------|
| 367-12-4   | 2-Fluorophenol   | 99.2 |  | 60 - 140 | 99% | SPK: 100 |
| 13127-88-3 | Phenol-d6        | 98.9 |  | 60 - 140 | 99% | SPK: 100 |
| 4165-60-0  | Nitrobenzene-d5  | 99.2 |  | 60 - 140 | 99% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl | 98.3 |  | 60 - 140 | 98% | SPK: 100 |

## Report of Analysis

|                    |                        |                 |               |
|--------------------|------------------------|-----------------|---------------|
| Client:            | Ardmore Chemical       | Date Collected: |               |
| Project:           | PVSC Monthly 2025      | Date Received:  |               |
| Client Sample ID:  | PB166033BL             | SDG No.:        | Q1066         |
| Lab Sample ID:     | PB166033BL             | Matrix:         | Water         |
| Analytical Method: | 625.1                  | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N        | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N      PH :   |
| Prep Method :      | 3510C                  |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141184.D        | 1         | 01/13/25 08:22 | 01/16/25 14:40 | PB166033      |

| CAS Number | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|------------|----------------------|-------|-----------|----------|------------|----------|
| 118-79-6   | 2,4,6-Tribromophenol | 97.7  |           | 60 - 140 | 98%        | SPK: 100 |
| 1718-51-0  | Terphenyl-d14        | 88.9  |           | 60 - 140 | 89%        | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |        |        |
|------------|------------------------|--------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 147000 | 6.81   |
| 1146-65-2  | Naphthalene-d8         | 598000 | 8.092  |
| 15067-26-2 | Acenaphthene-d10       | 330000 | 9.851  |
| 1517-22-2  | Phenanthrene-d10       | 579000 | 11.339 |
| 1719-03-5  | Chrysene-d12           | 443000 | 13.98  |
| 1520-96-3  | Perylene-d12           | 356000 | 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\BF011625\  
Data File : BF141184.D  
Acq On : 16 Jan 2025 14:40  
Operator : RC/JU  
Sample : PB166033BL  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BL

Quant Time: Jan 16 15:00:56 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   | 6.810  | 152  | 146806   | 20.000 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.092  | 136  | 597756   | 20.000 | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.851  | 164  | 330061   | 20.000 | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.339 | 188  | 578652   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12            | 13.980 | 240  | 443355   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12            | 15.439 | 264  | 355863   | 20.000 | ng    | 0.00     |
|                             |        |      |          |        |       |          |
| System Monitoring Compounds |        |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.428  | 112  | 942243   | 99.150 | ng    | 0.00     |
| 7) Phenol-d6                | 6.434  | 99   | 1190909  | 98.931 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.375  | 82   | 1118563  | 99.193 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.639 | 330  | 367389   | 97.688 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.175  | 172  | 2125742  | 98.349 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.933 | 244  | 2651403  | 88.886 | ng    | 0.00     |

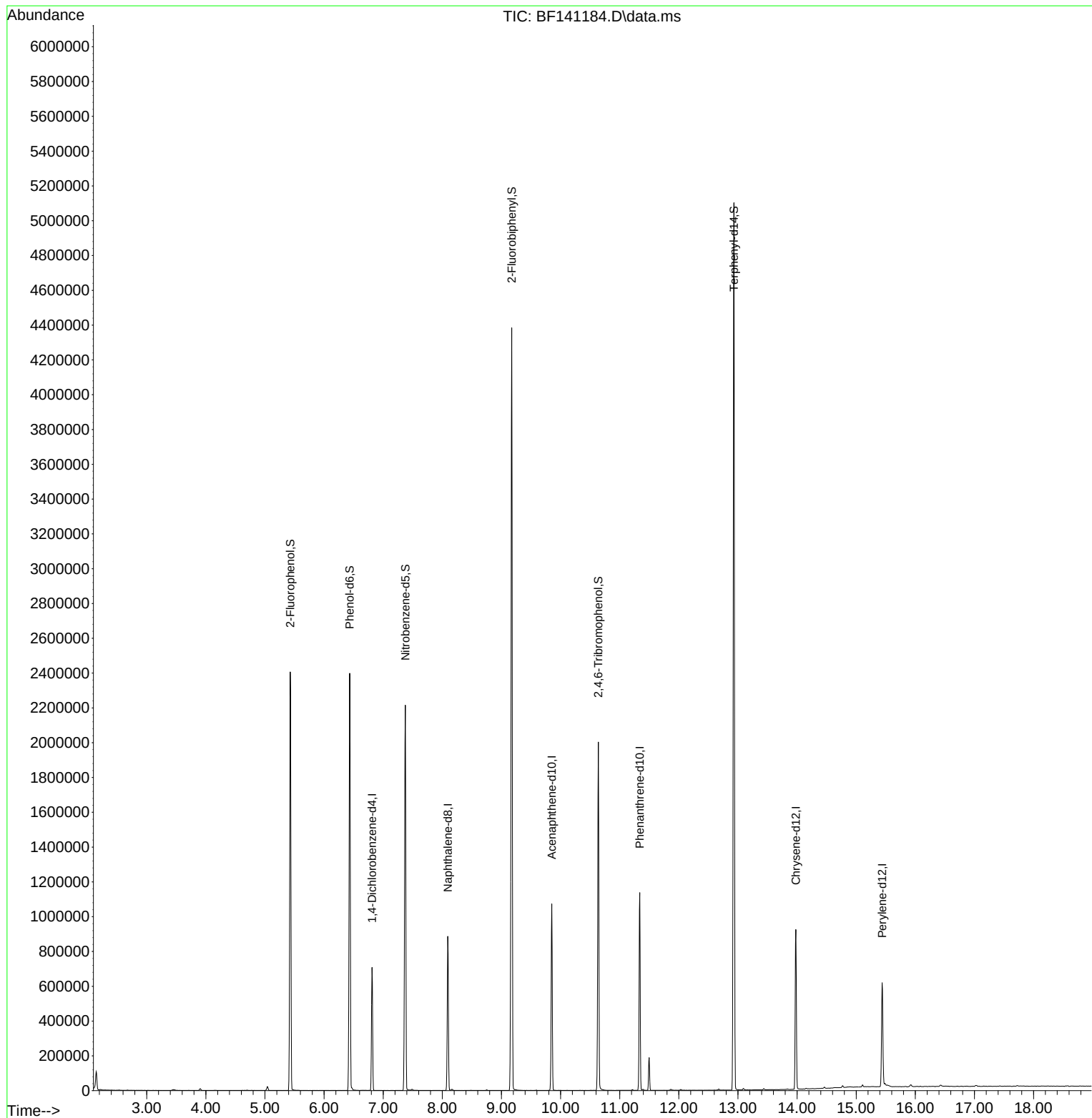
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

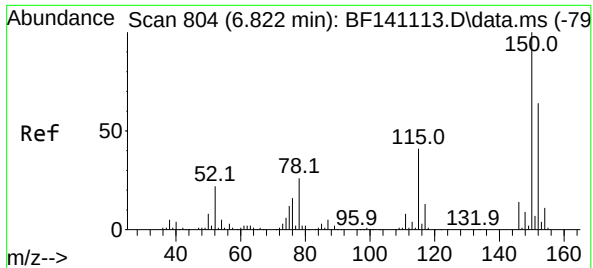
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011625\  
Data File : BF141184.D  
Acq On : 16 Jan 2025 14:40  
Operator : RC/JU  
Sample : PB166033BL  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BL

Quant Time: Jan 16 15:00:56 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

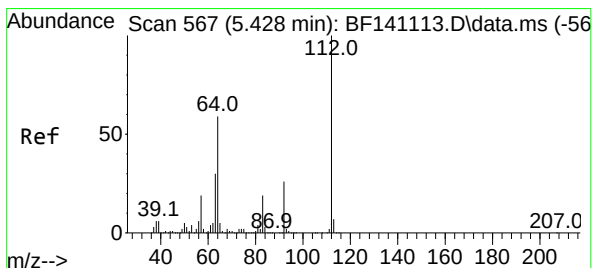
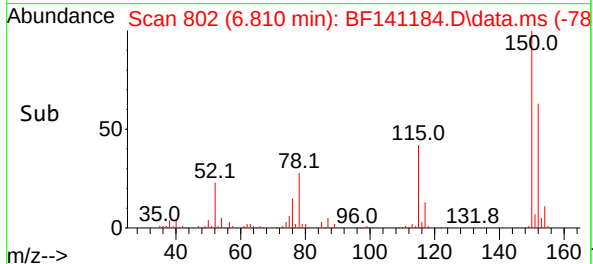
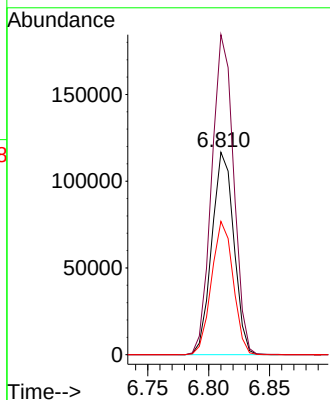
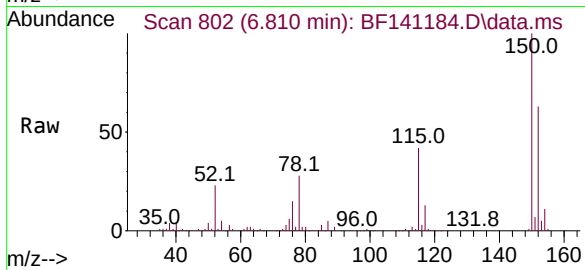




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.810 min Scan# 804  
Delta R.T. -0.012 min  
Lab File: BF141184.D  
Acq: 16 Jan 2025 14:40

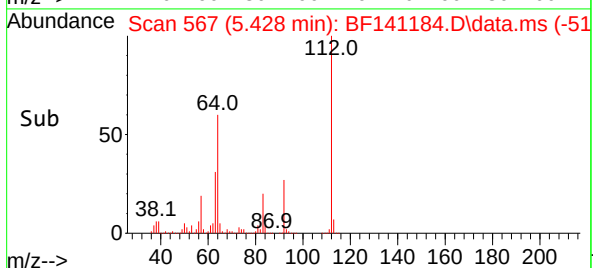
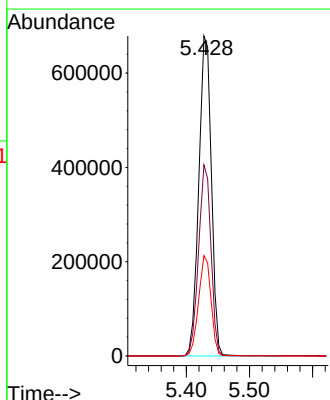
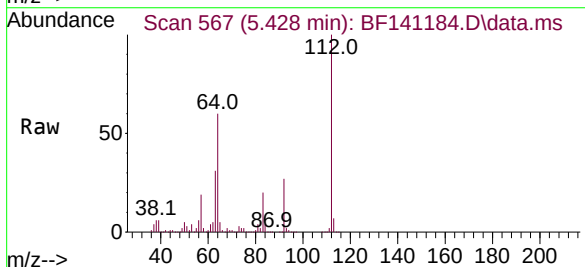
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BL

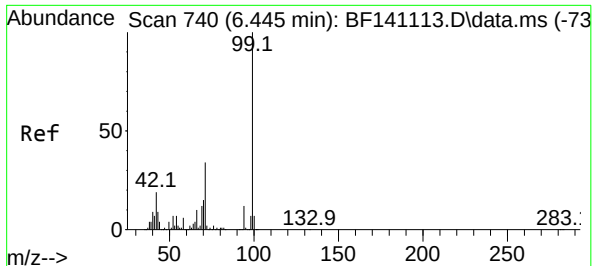
Tgt Ion:152 Resp: 146806  
Ion Ratio Lower Upper  
152 100  
150 158.1 125.8 188.8  
115 65.9 51.4 77.2



#5  
2-Fluorophenol  
Concen: 99.150 ng  
RT: 5.428 min Scan# 567  
Delta R.T. -0.000 min  
Lab File: BF141184.D  
Acq: 16 Jan 2025 14:40

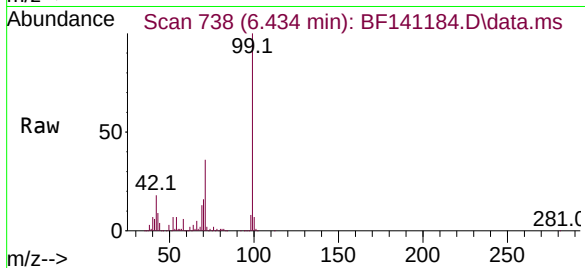
Tgt Ion:112 Resp: 942243  
Ion Ratio Lower Upper  
112 100  
64 59.7 47.3 70.9  
63 31.3 24.2 36.2



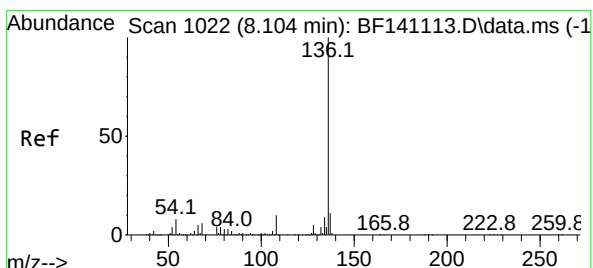
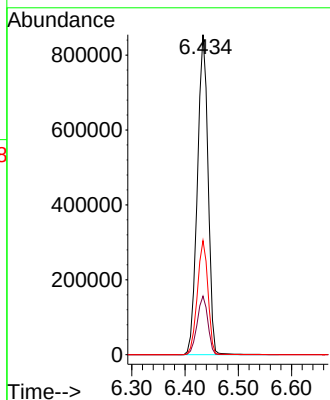
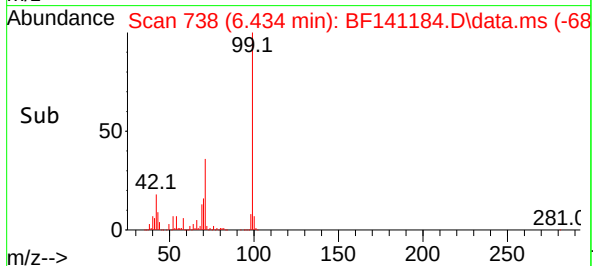


#7  
Phenol-d6  
Concen: 98.931 ng  
RT: 6.434 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BF141184.D  
Acq: 16 Jan 2025 14:40

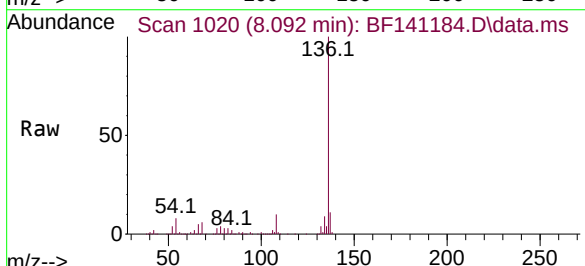
Instrument :  
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ClientSampleId :  
PB166033BL



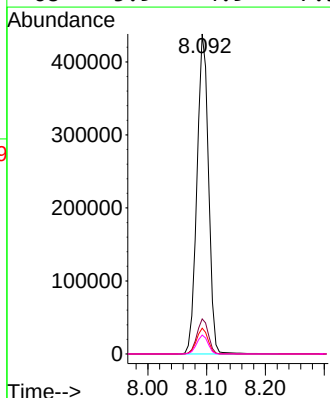
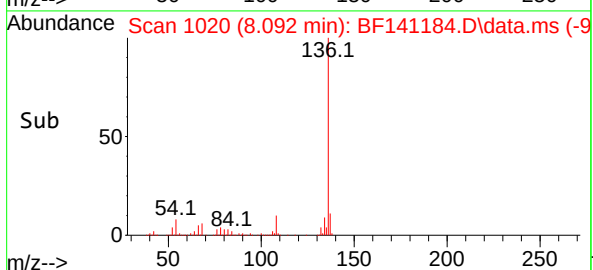
Tgt Ion: 99 Resp: 1190909  
Ion Ratio Lower Upper  
99 100  
42 18.3 15.0 22.4  
71 35.7 27.6 41.4

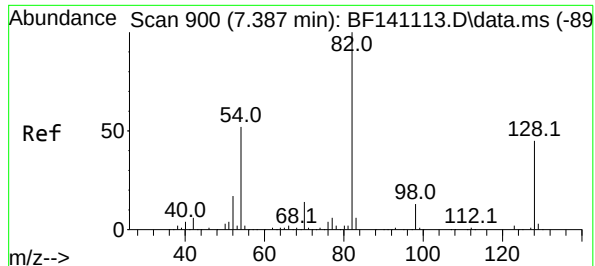


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.092 min Scan# 1020  
Delta R.T. -0.012 min  
Lab File: BF141184.D  
Acq: 16 Jan 2025 14:40



Tgt Ion: 136 Resp: 597756  
Ion Ratio Lower Upper  
136 100  
137 10.9 8.8 13.2  
54 8.1 6.3 9.5  
68 5.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 99.193 ng

RT: 7.375 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF141184.D

Acq: 16 Jan 2025 14:40

Instrument :

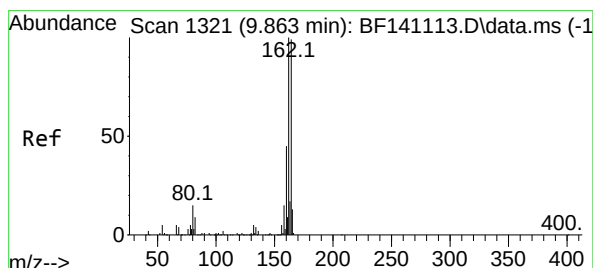
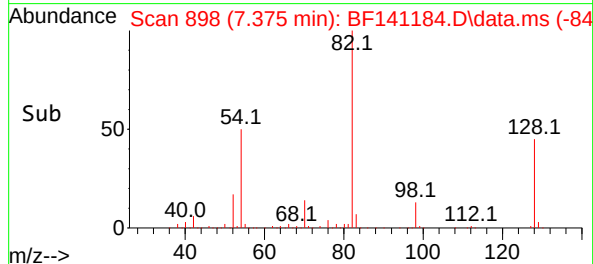
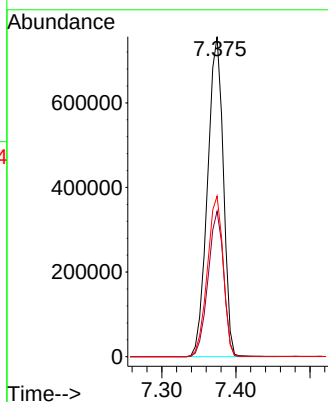
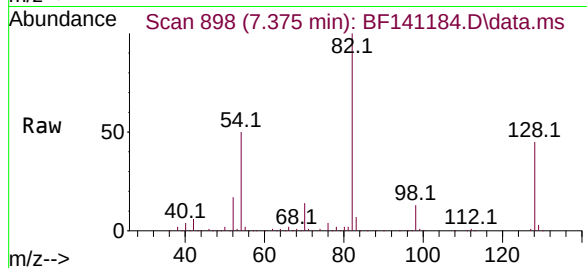
BNA\_F

ClientSampleId :

PB166033BL

Tgt Ion: 82 Resp: 1118563

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 45.5  | 36.1  | 54.1  |
| 54  | 50.2  | 41.0  | 61.4  |



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.851 min Scan# 1319

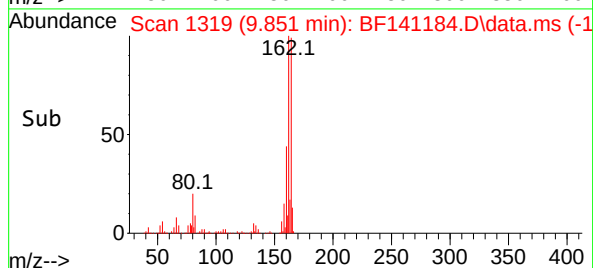
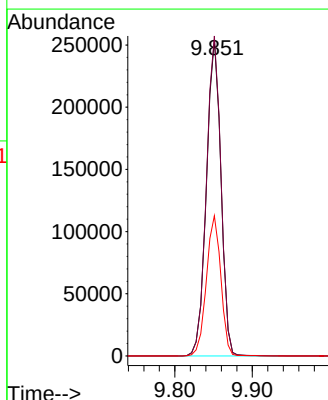
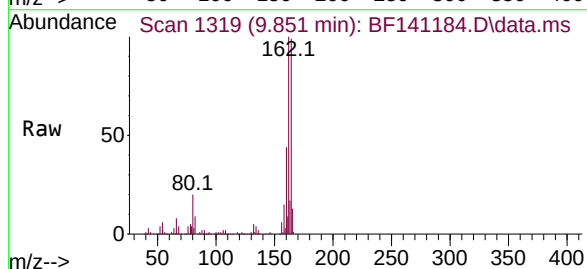
Delta R.T. -0.012 min

Lab File: BF141184.D

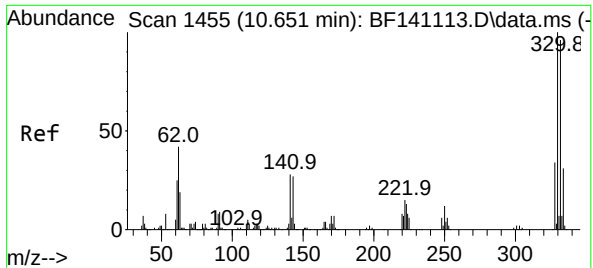
Acq: 16 Jan 2025 14:40

Tgt Ion:164 Resp: 330061

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 101.3 | 81.0  | 121.4 |
| 160 | 44.4  | 36.1  | 54.1  |



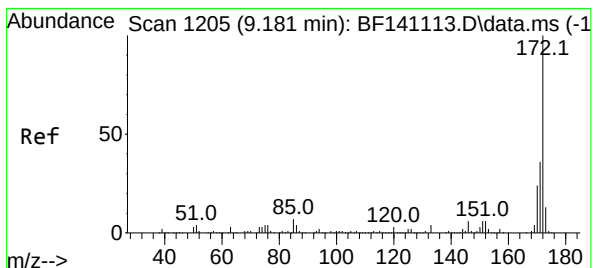
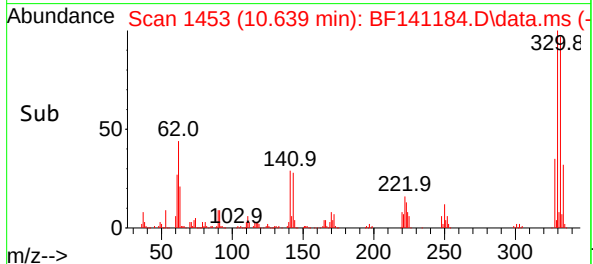
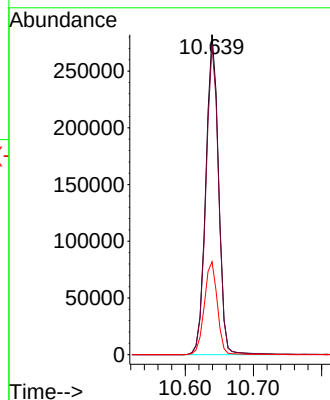
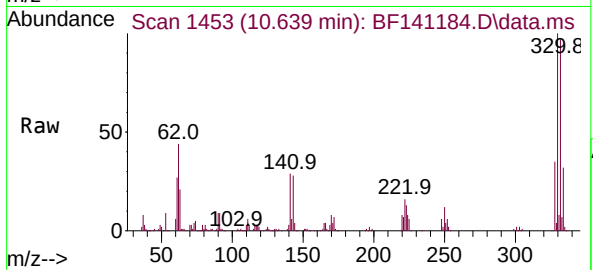




#42  
2,4,6-Tribromophenol  
Concen: 97.688 ng  
RT: 10.639 min Scan# 1455  
Delta R.T. -0.012 min  
Lab File: BF141184.D  
Acq: 16 Jan 2025 14:40

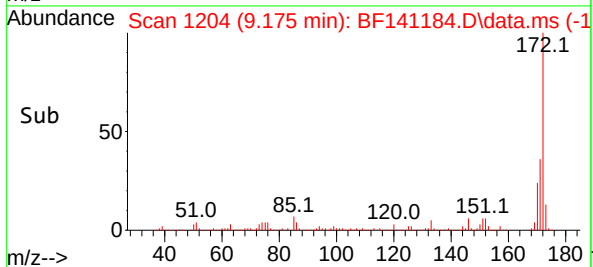
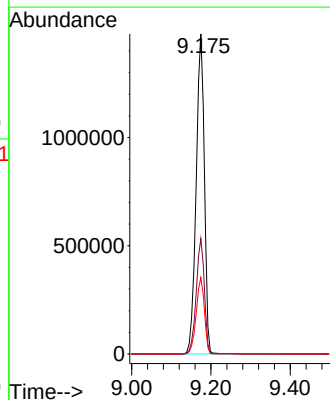
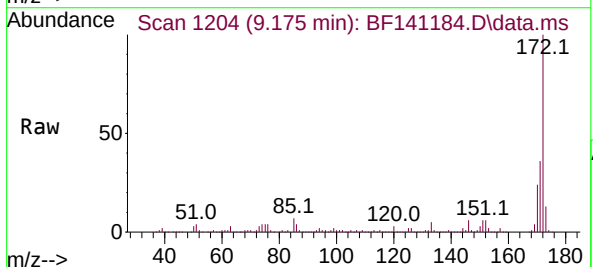
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BL

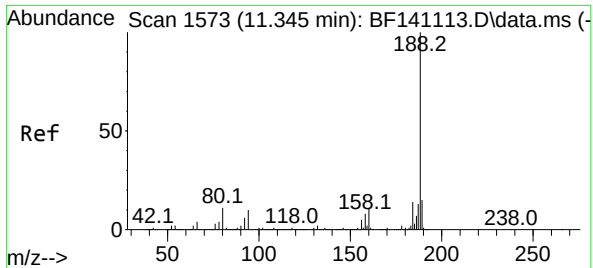
Tgt Ion:330 Resp: 367389  
Ion Ratio Lower Upper  
330 100  
332 96.8 76.9 115.3  
141 29.7 25.2 37.8



#45  
2-Fluorobiphenyl  
Concen: 98.349 ng  
RT: 9.175 min Scan# 1204  
Delta R.T. -0.006 min  
Lab File: BF141184.D  
Acq: 16 Jan 2025 14:40

Tgt Ion:172 Resp: 2125742  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.7 43.1  
170 23.9 19.0 28.6

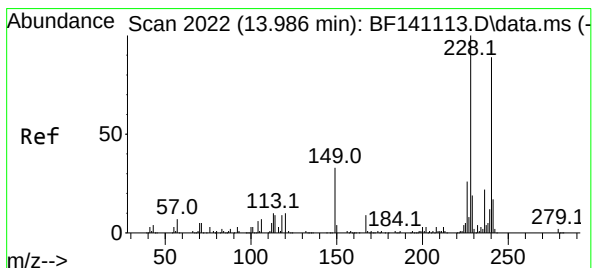
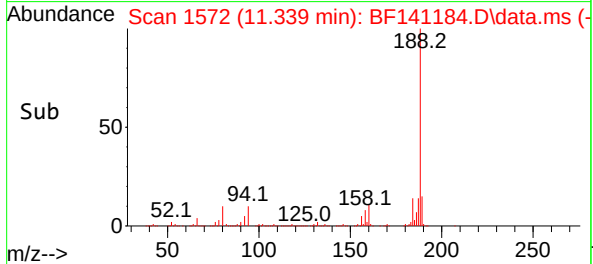
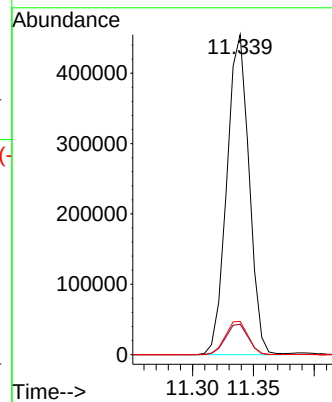
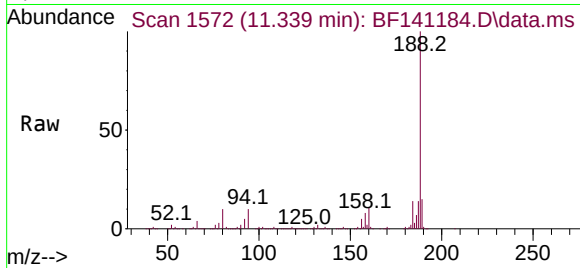




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.339 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141184.D  
Acq: 16 Jan 2025 14:40

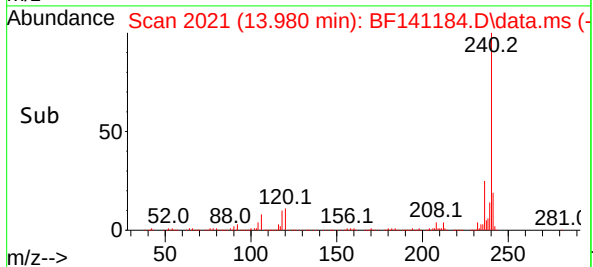
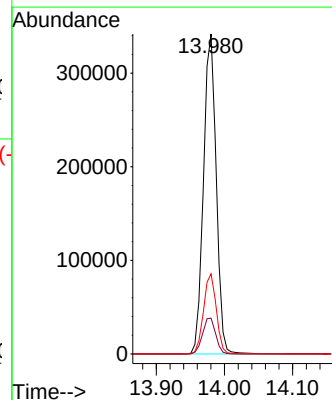
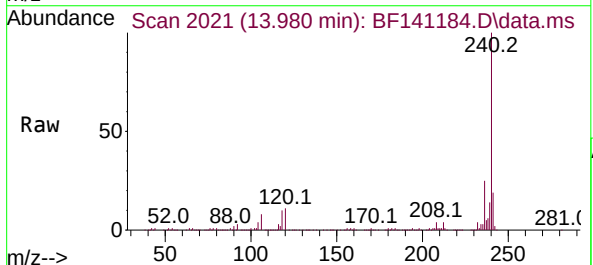
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BL

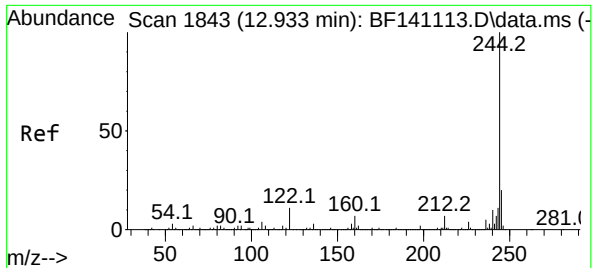
Tgt Ion:188 Resp: 578652  
Ion Ratio Lower Upper  
188 100  
94 9.5 8.3 12.5  
80 10.4 9.0 13.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.980 min Scan# 2021  
Delta R.T. -0.006 min  
Lab File: BF141184.D  
Acq: 16 Jan 2025 14:40

Tgt Ion:240 Resp: 443355  
Ion Ratio Lower Upper  
240 100  
120 11.2 9.1 13.7  
236 25.1 19.8 29.6





#79

Terphenyl-d14

Concen: 88.886 ng

RT: 12.933 min Scan# 1843

Delta R.T. -0.000 min

Lab File: BF141184.D

Acq: 16 Jan 2025 14:40

Instrument :

BNA\_F

ClientSampleId :

PB166033BL

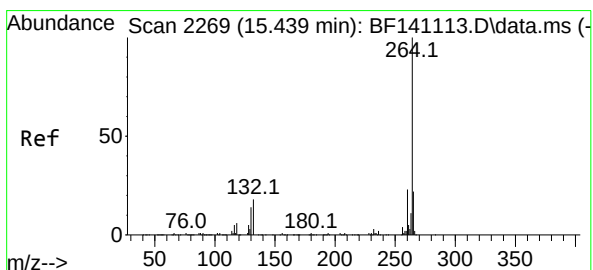
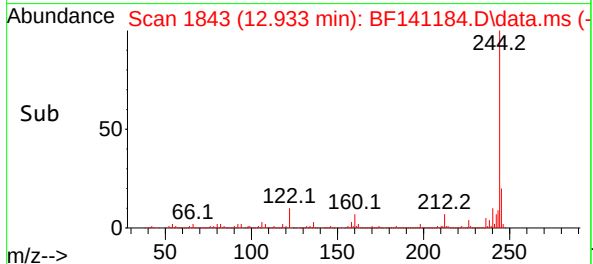
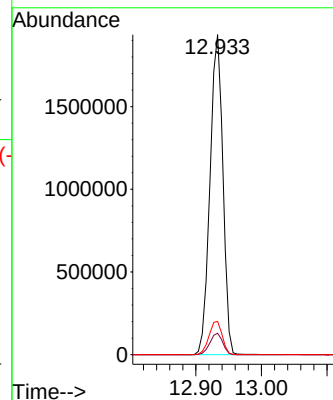
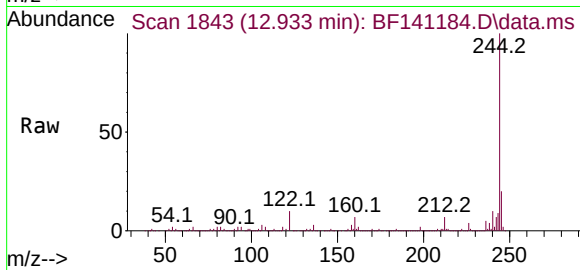
Tgt Ion:244 Resp: 2651403

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 10.4 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: BF141184.D

Acq: 16 Jan 2025 14:40

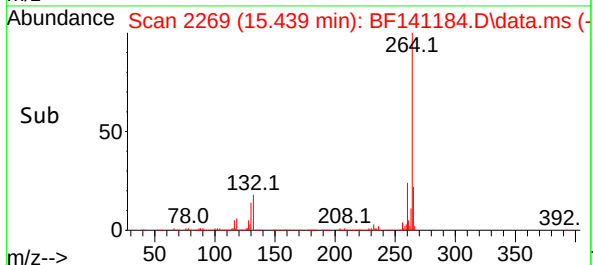
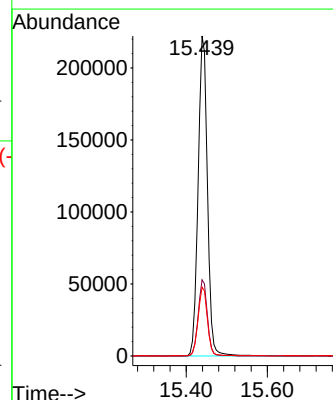
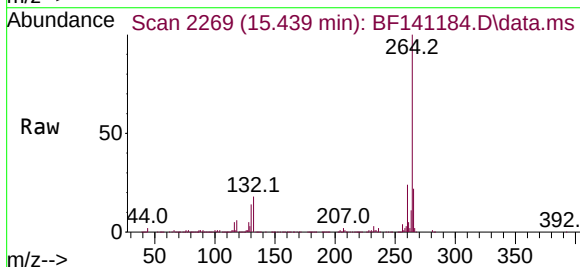
Tgt Ion:264 Resp: 355863

Ion Ratio Lower Upper

264 100

260 23.8 18.6 28.0

265 21.5 17.4 26.0



## Report of Analysis

|                    |                        |                 |               |
|--------------------|------------------------|-----------------|---------------|
| Client:            | Ardmore Chemical       | Date Collected: |               |
| Project:           | PVSC Monthly 2025      | Date Received:  |               |
| Client Sample ID:  | PB166033BS             | SDG No.:        | Q1066         |
| Lab Sample ID:     | PB166033BS             | Matrix:         | Water         |
| Analytical Method: | 625.1                  | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N        | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N      PH :   |
| Prep Method :      | 3510C                  |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141182.D        | 1         | 01/13/25 08:22 | 01/16/25 13:48 | PB166033      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 49.2  |           | 1.00 | 10.0       | ug/L  |
| 108-95-2       | Phenol                      | 50.1  |           | 0.93 | 5.00       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 50.3  |           | 1.20 | 5.00       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 52.0  |           | 0.71 | 5.00       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 50.8  |           | 1.40 | 5.00       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 52.0  |           | 1.50 | 5.00       | ug/L  |
| 67-72-1        | Hexachloroethane            | 49.8  |           | 1.00 | 5.00       | ug/L  |
| 98-95-3        | Nitrobenzene                | 47.4  |           | 1.30 | 5.00       | ug/L  |
| 78-59-1        | Isophorone                  | 52.7  |           | 1.10 | 5.00       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 52.3  |           | 2.00 | 5.00       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 61.5  |           | 1.50 | 5.00       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 50.0  |           | 1.00 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 51.9  |           | 0.88 | 5.00       | ug/L  |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 47.7  |           | 1.10 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                 | 48.9  |           | 1.00 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 48.6  |           | 1.30 | 5.00       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 52.1  |           | 0.84 | 5.00       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 200   | E         | 5.00 | 10.0       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 53.2  |           | 0.89 | 5.00       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 47.4  |           | 0.97 | 5.00       | ug/L  |
| 131-11-3       | Dimethylphthalate           | 51.5  |           | 0.93 | 5.00       | ug/L  |
| 208-96-8       | Acenaphthylene              | 52.6  |           | 1.00 | 5.00       | ug/L  |
| 606-20-2       | 2,6-Dinitrotoluene          | 49.6  |           | 1.20 | 5.00       | ug/L  |
| 83-32-9        | Acenaphthene                | 55.9  |           | 0.81 | 5.00       | ug/L  |
| 51-28-5        | 2,4-Dinitrophenol           | 120   | E         | 6.40 | 10.0       | ug/L  |
| 100-02-7       | 4-Nitrophenol               | 110   | E         | 2.00 | 10.0       | ug/L  |
| 121-14-2       | 2,4-Dinitrotoluene          | 52.8  |           | 1.50 | 5.00       | ug/L  |
| 84-66-2        | Diethylphthalate            | 51.9  |           | 1.00 | 5.00       | ug/L  |
| 7005-72-3      | 4-Chlorophenyl-phenylether  | 50.2  |           | 0.98 | 5.00       | ug/L  |

## Report of Analysis

|                    |                   |                 |               |
|--------------------|-------------------|-----------------|---------------|
| Client:            | Ardmore Chemical  | Date Collected: |               |
| Project:           | PVSC Monthly 2025 | Date Received:  |               |
| Client Sample ID:  | PB166033BS        | SDG No.:        | Q1066         |
| Lab Sample ID:     | PB166033BS        | Matrix:         | Water         |
| Analytical Method: | 625.1             | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000 Units: mL    | Final Vol:      | 1000 uL       |
| Soil Aliquot Vol:  | uL                | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted : N      | Level :         | LOW           |
| Injection Volume : | GPC Factor : 1.0  | GPC Cleanup :   | N PH :        |
| Prep Method :      | 3510C             |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141182.D        | 1         | 01/13/25 08:22 | 01/16/25 13:48 | PB166033      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------------|-------|
| 86-73-7    | Fluorene                   | 49.7  |           | 0.96 | 5.00       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 59.5  |           | 3.10 | 10.0       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 52.0  |           | 0.89 | 5.00       | ug/L  |
| 103-33-3   | Azobenzene                 | 50.4  |           | 1.20 | 5.00       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 52.8  |           | 0.95 | 5.00       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 52.2  |           | 1.10 | 5.00       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 100   | E         | 1.90 | 10.0       | ug/L  |
| 85-01-8    | Phenanthrene               | 53.1  |           | 0.89 | 5.00       | ug/L  |
| 120-12-7   | Anthracene                 | 55.0  |           | 1.10 | 5.00       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 55.8  |           | 1.50 | 5.00       | ug/L  |
| 206-44-0   | Fluoranthene               | 54.6  |           | 1.30 | 5.00       | ug/L  |
| 92-87-5    | Benzidine                  | 59.2  |           | 4.10 | 10.0       | ug/L  |
| 129-00-0   | Pyrene                     | 45.4  |           | 1.10 | 5.00       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 54.3  |           | 2.10 | 5.00       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 28.1  |           | 1.30 | 10.0       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 50.5  |           | 0.94 | 5.00       | ug/L  |
| 218-01-9   | Chrysene                   | 47.8  |           | 0.86 | 5.00       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 57.8  |           | 1.90 | 5.00       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 60.1  |           | 2.50 | 10.0       | ug/L  |
| 205-99-2   | Benzo(b)fluoranthene       | 53.2  |           | 1.10 | 5.00       | ug/L  |
| 207-08-9   | Benzo(k)fluoranthene       | 54.0  |           | 1.20 | 5.00       | ug/L  |
| 50-32-8    | Benzo(a)pyrene             | 56.0  |           | 1.70 | 5.00       | ug/L  |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 50.5  |           | 1.00 | 5.00       | ug/L  |
| 53-70-3    | Dibenzo(a,h)anthracene     | 50.5  |           | 1.20 | 5.00       | ug/L  |
| 191-24-2   | Benzo(g,h,i)perylene       | 44.9  |           | 1.20 | 5.00       | ug/L  |

### SURROGATES

|            |                  |      |  |          |     |          |
|------------|------------------|------|--|----------|-----|----------|
| 367-12-4   | 2-Fluorophenol   | 93.9 |  | 60 - 140 | 94% | SPK: 100 |
| 13127-88-3 | Phenol-d6        | 93.8 |  | 60 - 140 | 94% | SPK: 100 |
| 4165-60-0  | Nitrobenzene-d5  | 95.0 |  | 60 - 140 | 95% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl | 93.4 |  | 60 - 140 | 93% | SPK: 100 |

## Report of Analysis

|                    |                        |                 |               |
|--------------------|------------------------|-----------------|---------------|
| Client:            | Ardmore Chemical       | Date Collected: |               |
| Project:           | PVSC Monthly 2025      | Date Received:  |               |
| Client Sample ID:  | PB166033BS             | SDG No.:        | Q1066         |
| Lab Sample ID:     | PB166033BS             | Matrix:         | Water         |
| Analytical Method: | 625.1                  | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N        | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N      PH :   |
| Prep Method :      | 3510C                  |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141182.D        | 1         | 01/13/25 08:22 | 01/16/25 13:48 | PB166033      |

| CAS Number | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|------------|----------------------|-------|-----------|----------|------------|----------|
| 118-79-6   | 2,4,6-Tribromophenol | 102   |           | 60 - 140 | 102%       | SPK: 100 |
| 1718-51-0  | Terphenyl-d14        | 91.0  |           | 60 - 140 | 91%        | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |        |        |
|------------|------------------------|--------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 146000 | 6.816  |
| 1146-65-2  | Naphthalene-d8         | 588000 | 8.098  |
| 15067-26-2 | Acenaphthene-d10       | 322000 | 9.857  |
| 1517-22-2  | Phenanthrene-d10       | 551000 | 11.345 |
| 1719-03-5  | Chrysene-d12           | 382000 | 13.986 |
| 1520-96-3  | Perylene-d12           | 338000 | 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\BF011625\  
 Data File : BF141182.D  
 Acq On : 16 Jan 2025 13:48  
 Operator : RC/JU  
 Sample : PB166033BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166033BS

Quant Time: Jan 16 14:09:33 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  | 145745   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.098  | 136  | 588065   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 322280   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 550858   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.986 | 240  | 381753   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.451 | 264  | 337646   | 20.000  | ng    | 0.01     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 885997   | 93.910  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.440  | 99   | 1121344  | 93.830  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.381  | 82   | 1054430  | 95.047  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.645 | 330  | 373279   | 101.651 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.181  | 172  | 1971084  | 93.395  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.933 | 244  | 2336295  | 90.961  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.634  | 88   | 175399   | 41.748  | ng    | 98       |
| 3) Pyridine                   | 3.369  | 79   | 448070   | 43.490  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.322  | 42   | 247743   | 49.179  | ng    | 98       |
| 6) Aniline                    | 6.475  | 93   | 444947   | 41.935  | ng    | 96       |
| 8) 2-Chlorophenol             | 6.598  | 128  | 526789   | 52.043  | ng    | 97       |
| 9) Benzaldehyde               | 6.363  | 77   | 172179   | 24.462  | ng    | 97       |
| 10) Phenol                    | 6.457  | 94   | 640414   | 50.060  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 6.551  | 93   | 479501   | 50.294  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 6.757  | 146  | 542814   | 48.082  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.834  | 146  | 552754   | 48.588  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 6.981  | 146  | 529721   | 49.918  | ng    | 99       |
| 15) Benzyl Alcohol            | 6.957  | 79   | 461471   | 53.469  | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.093  | 45   | 675970   | 50.809  | ng    | 98       |
| 17) 2-Methylphenol            | 7.069  | 107  | 427592   | 52.324  | ng    | 98       |
| 18) Hexachloroethane          | 7.328  | 117  | 204680   | 49.752  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.234  | 70   | 365997   | 51.990  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.222  | 107  | 524674   | 50.891  | ng    | # 83     |
| 22) Acetophenone              | 7.222  | 105  | 693502   | 49.608  | ng    | # 92     |
| 24) Nitrobenzene              | 7.398  | 77   | 547547   | 47.357  | ng    | 99       |
| 25) Isophorone                | 7.640  | 82   | 999486   | 52.719  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.716  | 139  | 274966   | 52.281  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 7.751  | 122  | 436056   | 61.467  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.851  | 93   | 594498   | 49.965  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.951  | 162  | 436985   | 51.864  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.040  | 180  | 459263   | 47.687  | ng    | 99       |
| 31) Naphthalene               | 8.122  | 128  | 1515042  | 48.853  | ng    | 100      |
| 32) Benzoic acid              | 7.875  | 122  | 339847   | 49.939  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.169  | 127  | 201185   | 18.758  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.240  | 225  | 281930   | 48.583  | ng    | 100      |
| 35) Caprolactam               | 8.540  | 113  | 138224m  | 50.109  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.651  | 107  | 479905   | 52.081  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.810  | 142  | 998741   | 50.538  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.910  | 142  | 931967   | 47.852  | ng    | 100      |
| 40) 1,2,4,5-Tetrachloroben... | 8.981  | 216  | 457713   | 49.482  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 8.969  | 237  | 592312   | 195.721 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.087  | 196  | 331969   | 53.212  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011625\  
 Data File : BF141182.D  
 Acq On : 16 Jan 2025 13:48  
 Operator : RC/JU  
 Sample : PB166033BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166033BS

Quant Time: Jan 16 14:09:33 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

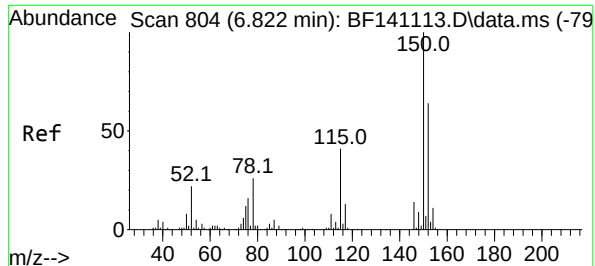
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.134  | 196  | 325478   | 49.399  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.281  | 154  | 1233345  | 49.278  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.304  | 162  | 924443   | 47.422  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.398  | 65   | 290077   | 50.198  | ng    | 99       |
| 49) Acenaphthylene            | 9.716  | 152  | 1463666  | 52.553  | ng    | 99       |
| 50) Dimethylphthalate         | 9.581  | 163  | 1114131  | 51.494  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.639  | 165  | 249340   | 49.557  | ng    | 95       |
| 52) Acenaphthene              | 9.892  | 154  | 1087854  | 55.908  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.804  | 138  | 147518   | 28.852  | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.916  | 184  | 283893   | 118.709 | ng    | 95       |
| 55) Dibenzofuran              | 10.063 | 168  | 1326201  | 50.108  | ng    | 99       |
| 56) 4-Nitrophenol             | 9.969  | 139  | 431841   | 107.845 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.045 | 165  | 342135   | 52.766  | ng    | 97       |
| 58) Fluorene                  | 10.404 | 166  | 1021601  | 49.684  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.181 | 232  | 295560   | 53.967  | ng    | 99       |
| 60) Diethylphthalate          | 10.281 | 149  | 1095201  | 51.851  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204  | 503261   | 50.217  | ng    | 98       |
| 62) 4-Nitroaniline            | 10.422 | 138  | 250296   | 50.017  | ng    | 96       |
| 63) Azobenzene                | 10.557 | 77   | 1049506  | 50.356  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.451 | 198  | 189771   | 59.451  | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 10.516 | 169  | 924303   | 52.022  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.886 | 248  | 335172   | 52.849  | ng    | 99       |
| 68) Hexachlorobenzene         | 10.951 | 284  | 368841   | 52.245  | ng    | 99       |
| 69) Atrazine                  | 11.045 | 200  | 326841   | 68.319  | ng    | 100      |
| 70) Pentachlorophenol         | 11.145 | 266  | 472102   | 104.421 | ng    | 99       |
| 71) Phenanthrene              | 11.369 | 178  | 1569472  | 53.070  | ng    | 100      |
| 72) Anthracene                | 11.422 | 178  | 1580873  | 54.975  | ng    | 100      |
| 73) Carbazole                 | 11.575 | 167  | 1392408  | 52.808  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.910 | 149  | 1684836  | 55.835  | ng    | 100      |
| 75) Fluoranthene              | 12.557 | 202  | 1610105  | 54.558  | ng    | 99       |
| 77) Benzidine                 | 12.675 | 184  | 418869   | 59.168  | ng    | 99       |
| 78) Pyrene                    | 12.786 | 202  | 1654989  | 45.389  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.410 | 149  | 659894   | 54.282  | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.974 | 228  | 1312176  | 50.506  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.939 | 252  | 232711   | 28.130  | ng    | 98       |
| 83) Chrysene                  | 14.016 | 228  | 1162658  | 47.827  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.969 | 149  | 843490   | 57.827  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.592 | 149  | 1324367  | 60.126  | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.915 | 276  | 1248936  | 50.489  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.027 | 252  | 1159129  | 53.238  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.063 | 252  | 993385   | 53.989  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.392 | 252  | 1006508  | 56.031  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 16.933 | 278  | 1010009  | 50.482  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.357 | 276  | 934397   | 44.900  | ng    | 99       |

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



**Instrument :**  
BNA\_F  
**ClientSampleId :**  
PB166033BS

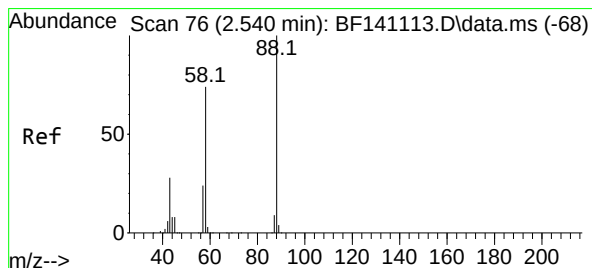
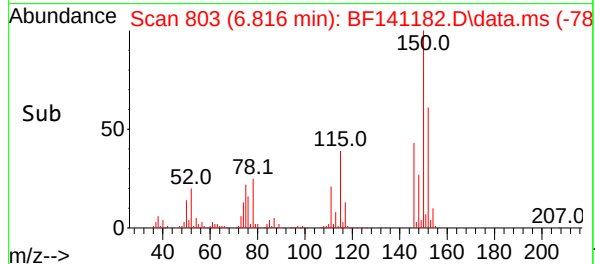
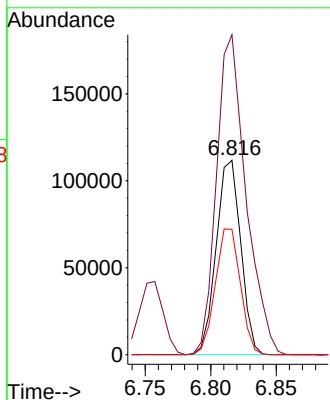
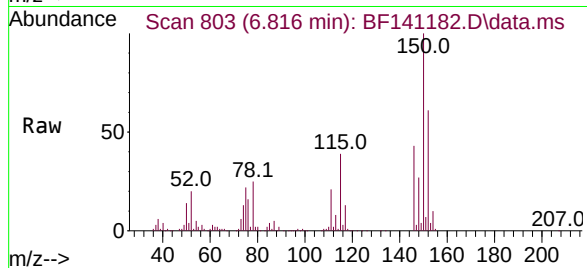
[illegible]



#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.816 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

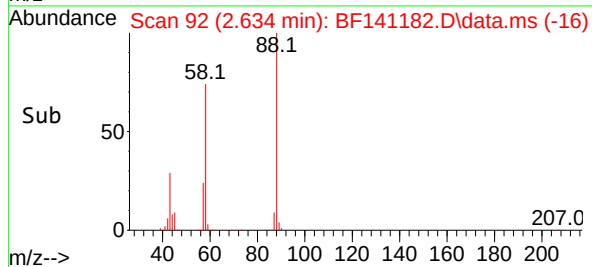
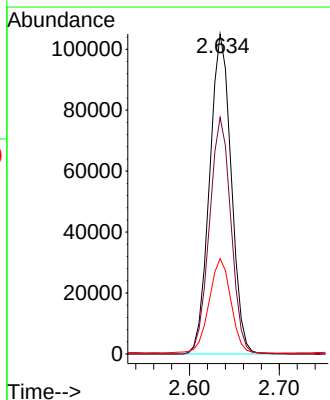
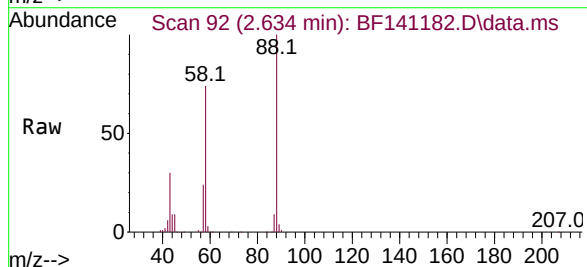
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BS

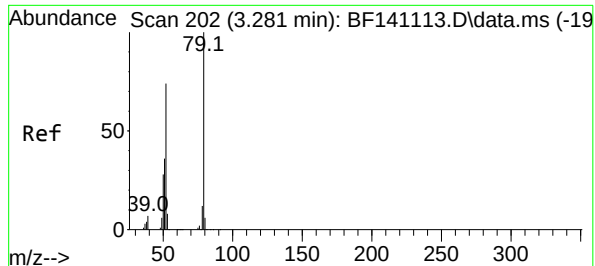
Tgt Ion:152 Resp: 145745  
Ion Ratio Lower Upper  
152 100  
150 164.7 125.8 188.8  
115 64.4 51.4 77.2



#2  
1,4-Dioxane  
Concen: 41.748 ng  
RT: 2.634 min Scan# 92  
Delta R.T. 0.094 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

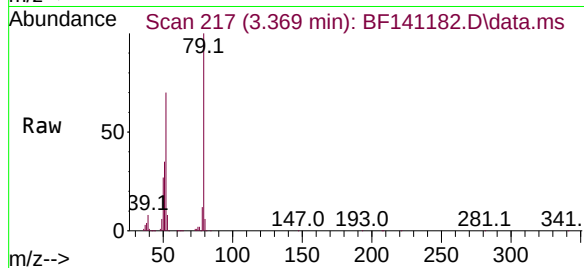
Tgt Ion: 88 Resp: 175399  
Ion Ratio Lower Upper  
88 100  
58 73.7 60.1 90.1  
43 30.0 23.1 34.7



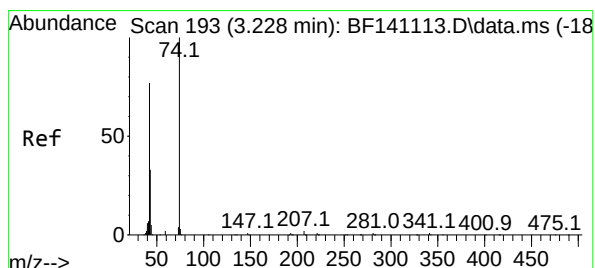
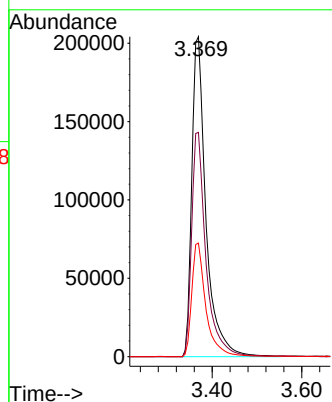
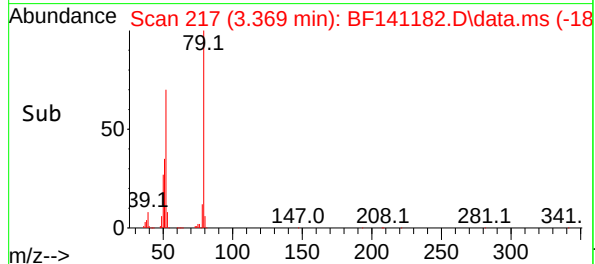


#3  
Pyridine  
Concen: 43.490 ng  
RT: 3.369 min Scan# 217  
Delta R.T. 0.088 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

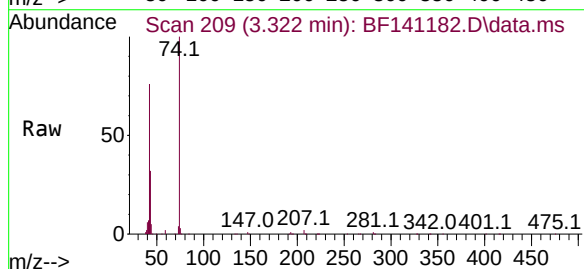
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BS



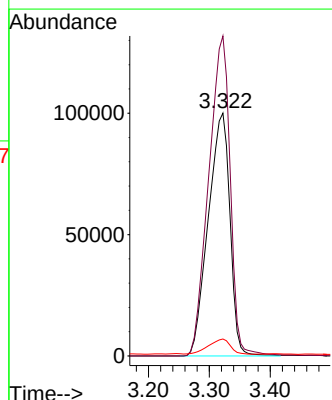
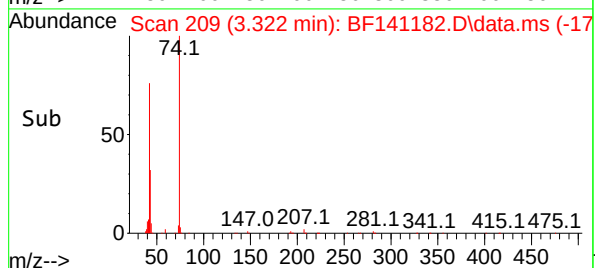
Tgt Ion: 79 Resp: 448070  
Ion Ratio Lower Upper  
79 100  
52 70.1 58.9 88.3  
51 35.5 29.1 43.7

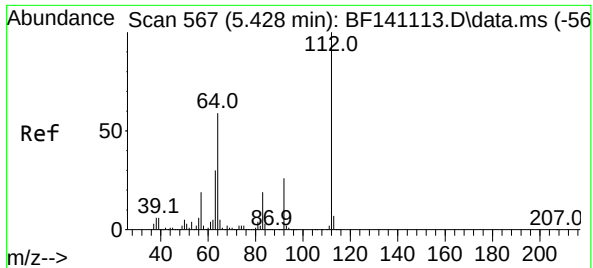


#4  
n-Nitrosodimethylamine  
Concen: 49.179 ng  
RT: 3.322 min Scan# 209  
Delta R.T. 0.094 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48



Tgt Ion: 42 Resp: 247743  
Ion Ratio Lower Upper  
42 100  
74 131.7 103.8 155.6  
44 7.0 5.3 7.9

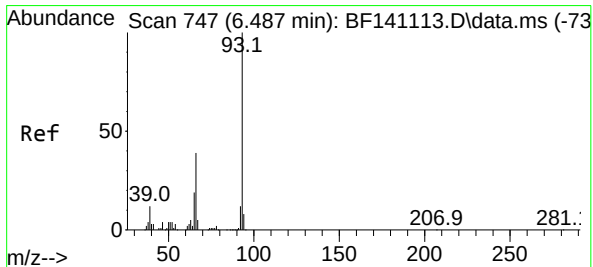
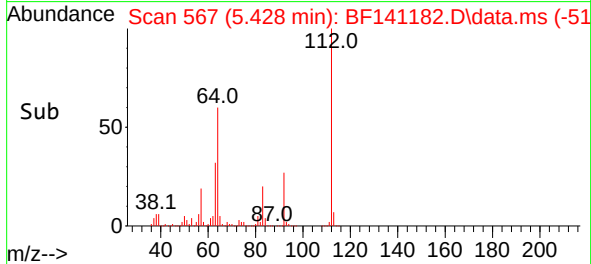
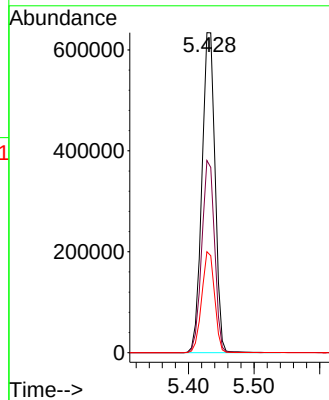
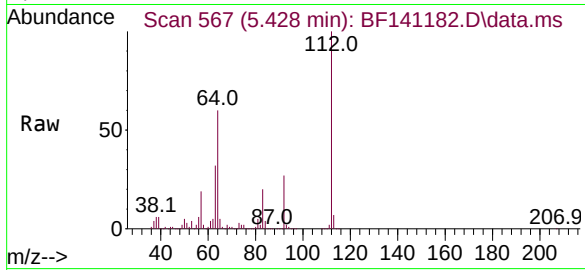




#5  
2-Fluorophenol  
Concen: 93.910 ng  
RT: 5.428 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

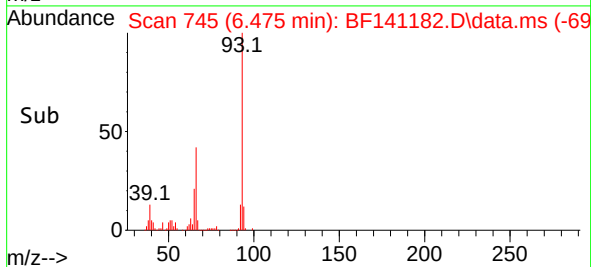
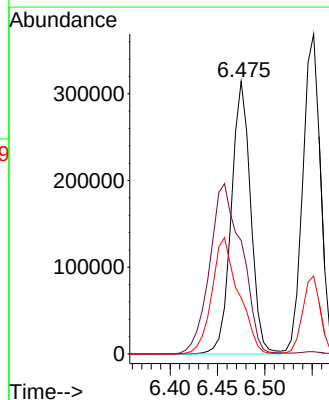
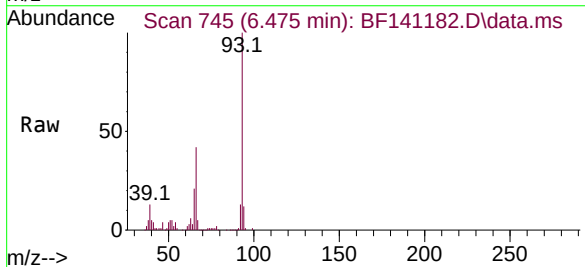
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BS

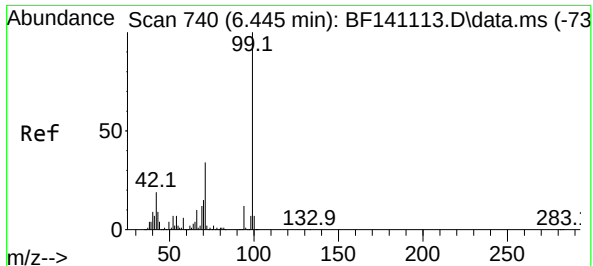
Tgt Ion:112 Resp: 885997  
Ion Ratio Lower Upper  
112 100  
64 60.1 47.3 70.9  
63 31.5 24.2 36.2



#6  
Aniline  
Concen: 41.935 ng  
RT: 6.475 min Scan# 745  
Delta R.T. -0.012 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

Tgt Ion: 93 Resp: 444947  
Ion Ratio Lower Upper  
93 100  
66 41.6 31.5 47.3  
65 20.7 15.3 22.9





#7

Phenol-d6

Concen: 93.830 ng

RT: 6.440 min Scan# 740

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

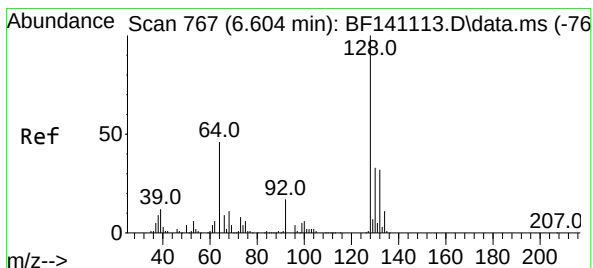
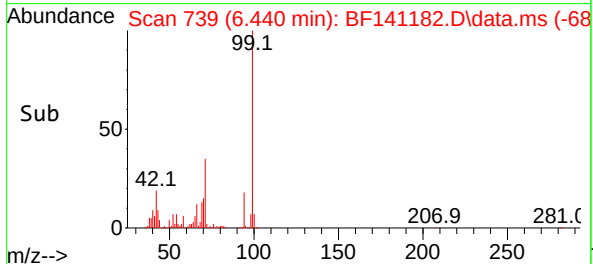
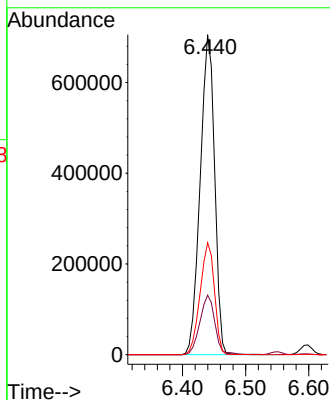
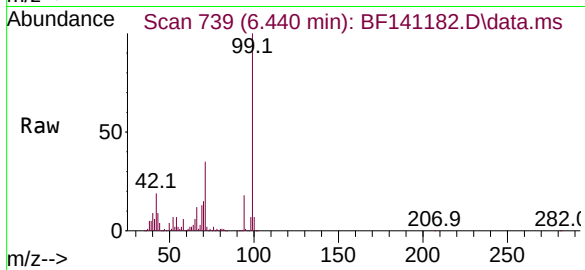
BNA\_F

ClientSampleId :

PB166033BS

Tgt Ion: 99 Resp: 1121344

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.6  | 15.0  | 22.4  |
| 71  | 35.0  | 27.6  | 41.4  |



#8

2-Chlorophenol

Concen: 52.043 ng

RT: 6.598 min Scan# 766

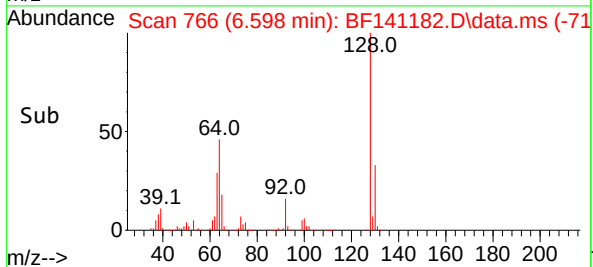
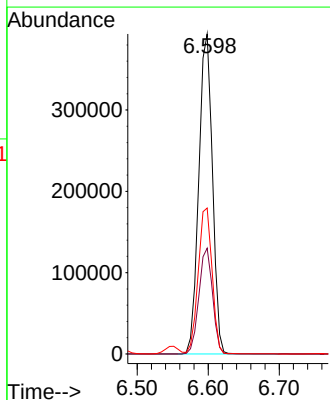
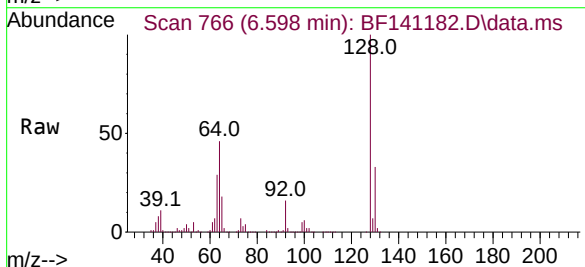
Delta R.T. -0.006 min

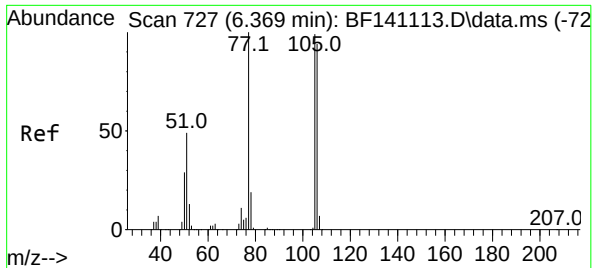
Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Tgt Ion: 128 Resp: 526789

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 130 | 33.0  | 12.5  | 52.5  |
| 64  | 45.6  | 28.3  | 68.3  |





#9

Benzaldehyde

Concen: 24.462 ng

RT: 6.363 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

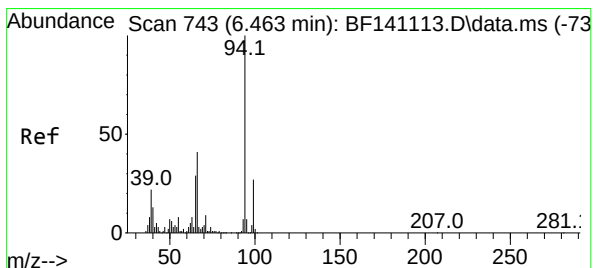
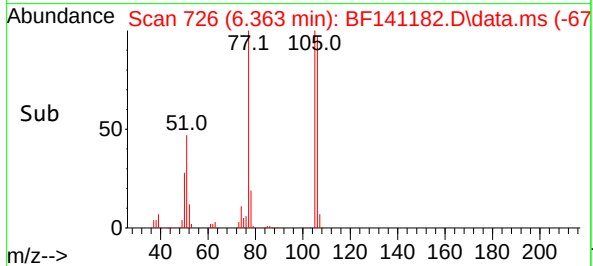
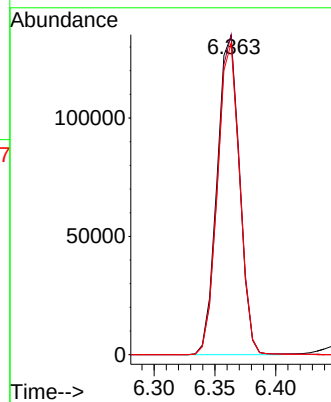
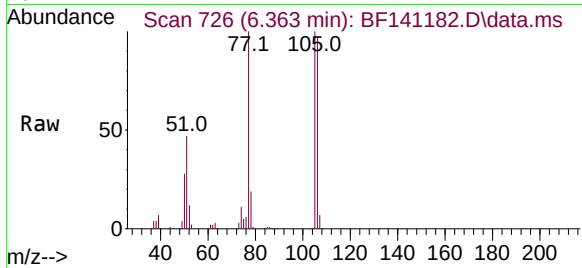
BNA\_F

ClientSampleId :

PB166033BS

Tgt Ion: 77 Resp: 172179

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 105 | 100.4 | 78.9  | 118.9 |
| 106 | 97.7  | 73.6  | 113.6 |



#10

Phenol

Concen: 50.060 ng

RT: 6.457 min Scan# 742

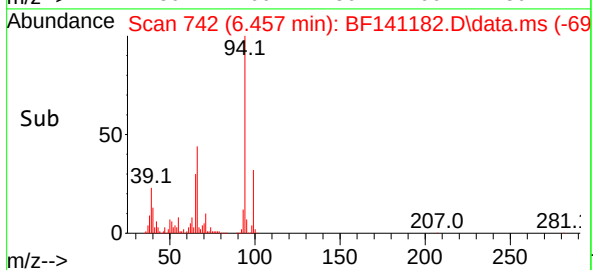
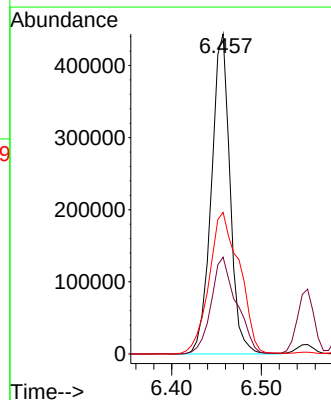
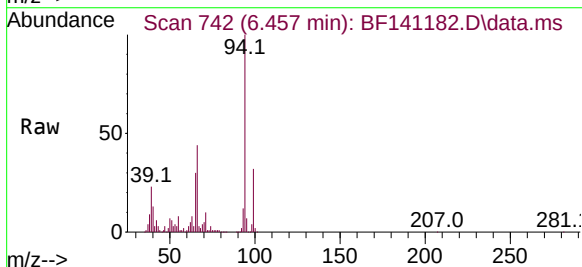
Delta R.T. -0.006 min

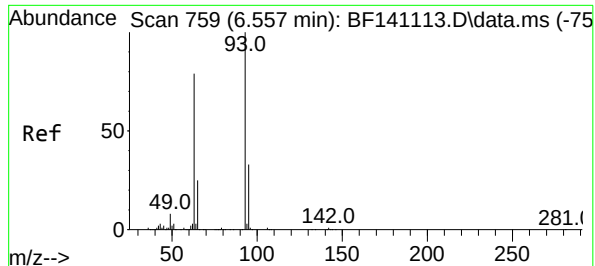
Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Tgt Ion: 94 Resp: 640414

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 30.2  | 8.9   | 48.9  |
| 66  | 44.3  | 21.2  | 61.2  |





#11

bis(2-Chloroethyl)ether

Concen: 50.294 ng

RT: 6.551 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

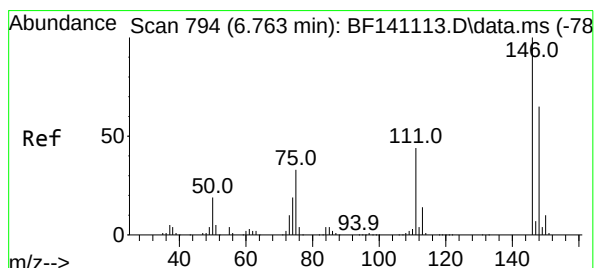
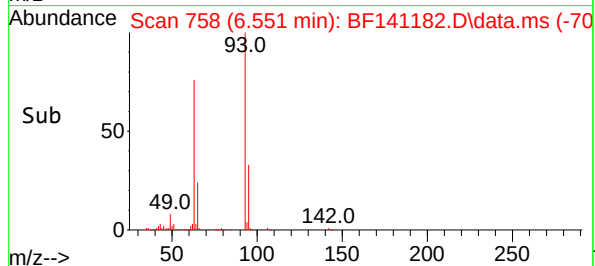
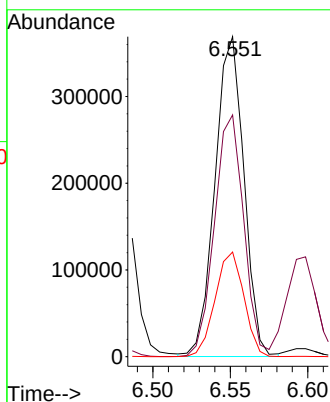
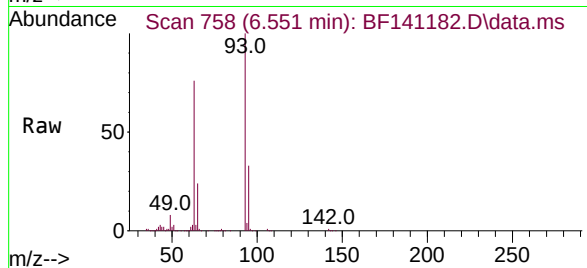
Tgt Ion: 93 Resp: 479501

Ion Ratio Lower Upper

93 100

63 75.6 58.0 98.0

95 32.7 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 48.082 ng

RT: 6.757 min Scan# 793

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

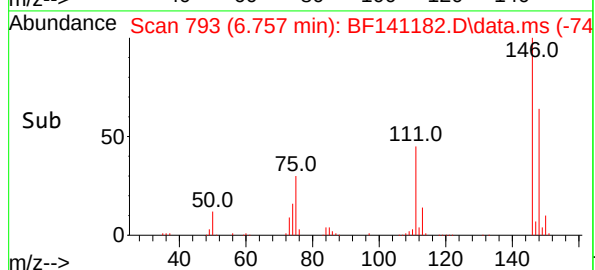
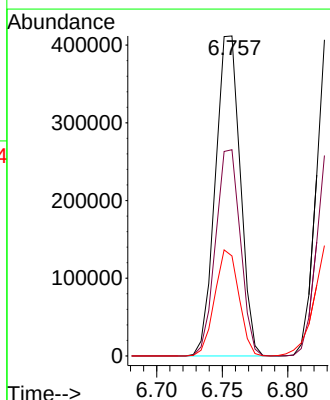
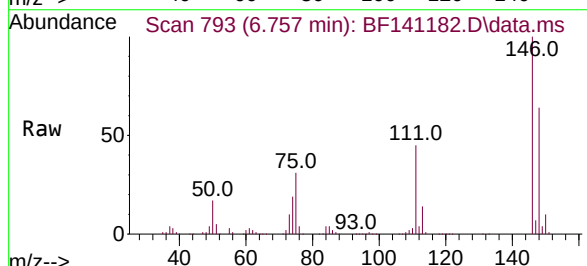
Tgt Ion:146 Resp: 542814

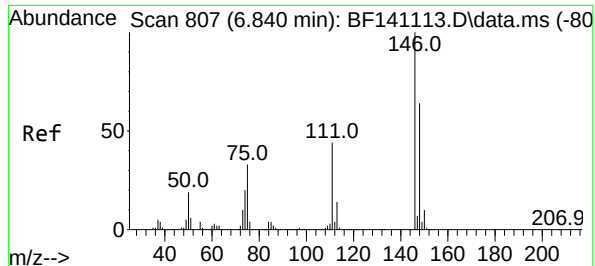
Ion Ratio Lower Upper

146 100

148 64.5 51.6 77.4

75 31.2 26.2 39.2





#13

1,4-Dichlorobenzene

Concen: 48.588 ng

RT: 6.834 min Scan# 807

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

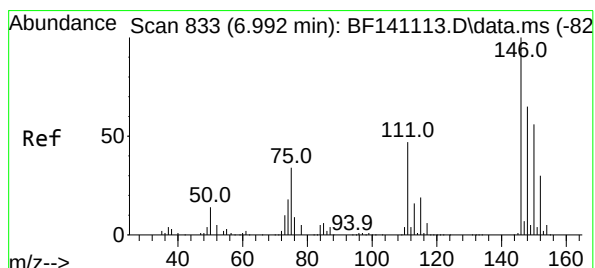
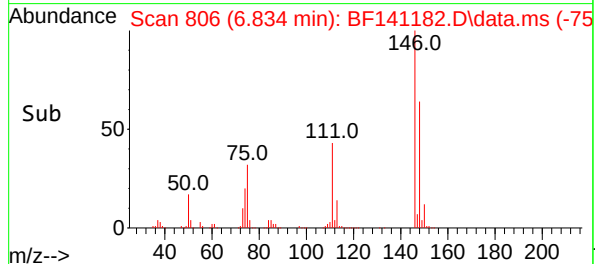
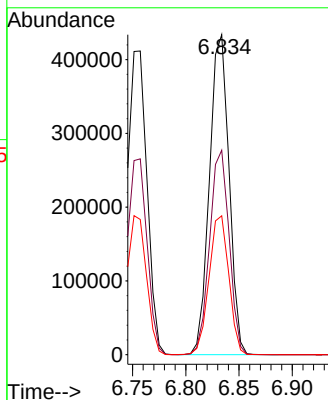
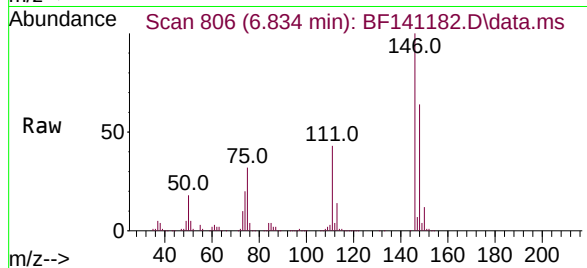
Tgt Ion:146 Resp: 552754

Ion Ratio Lower Upper

146 100

148 63.9 51.0 76.6

111 43.4 34.9 52.3



#14

1,2-Dichlorobenzene

Concen: 49.918 ng

RT: 6.981 min Scan# 831

Delta R.T. -0.012 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

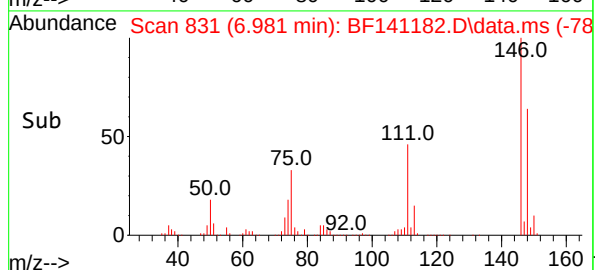
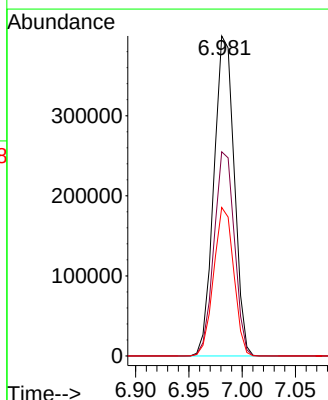
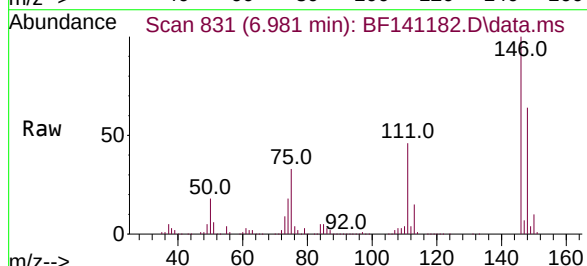
Tgt Ion:146 Resp: 529721

Ion Ratio Lower Upper

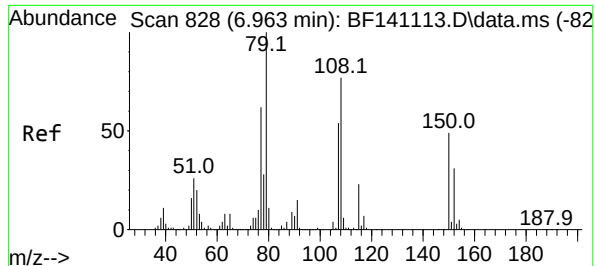
146 100

148 63.8 52.2 78.4

111 46.4 37.5 56.3







#15

Benzyl Alcohol

Concen: 53.469 ng

RT: 6.957 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

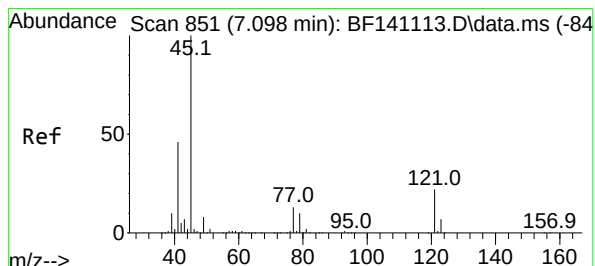
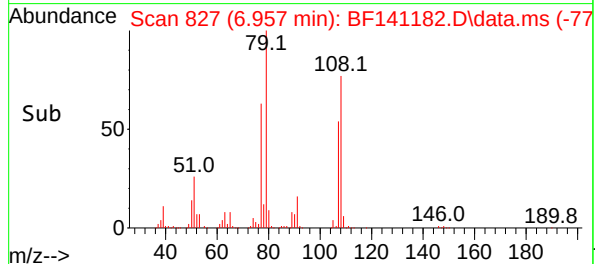
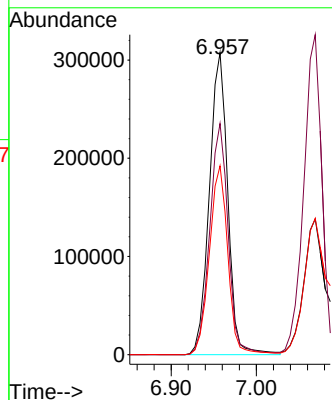
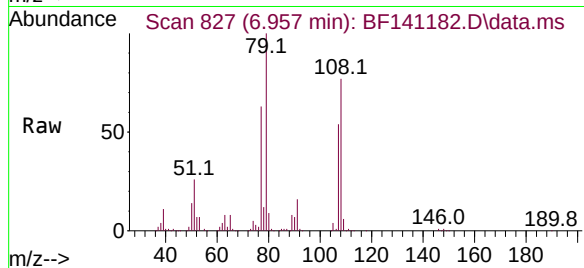
Tgt Ion: 79 Resp: 461471

Ion Ratio Lower Upper

79 100

108 76.5 61.4 92.0

77 62.5 49.8 74.6



#16

2,2'-oxybis(1-chloropropane)

Concen: 50.809 ng

RT: 7.093 min Scan# 850

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

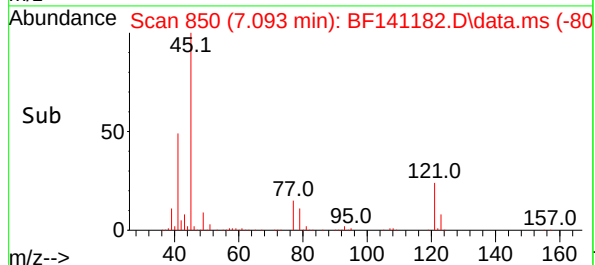
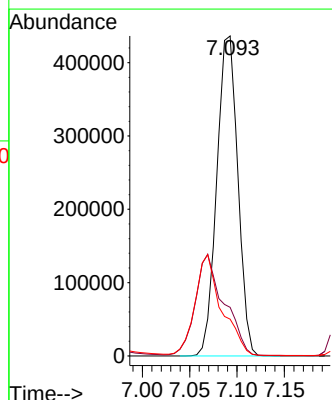
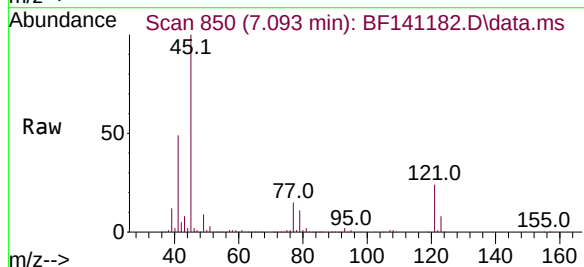
Tgt Ion: 45 Resp: 675970

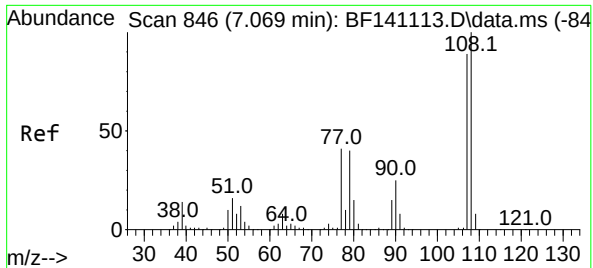
Ion Ratio Lower Upper

45 100

77 15.2 0.0 34.1

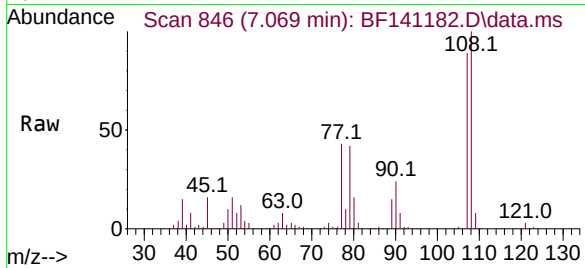
79 11.5 0.0 31.0



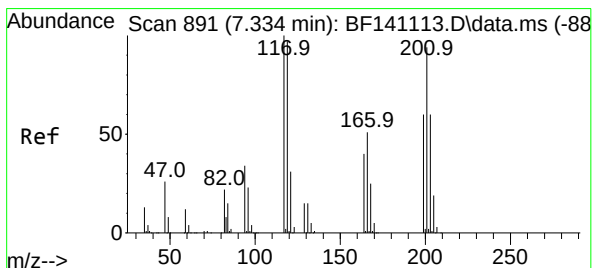
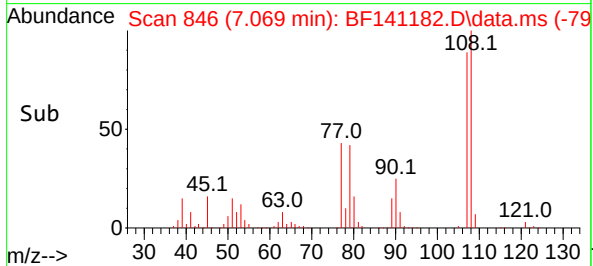
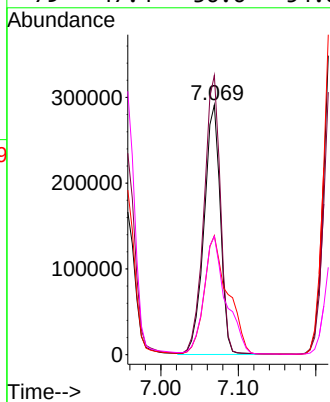


#17  
2-Methylphenol  
Concen: 52.324 ng  
RT: 7.069 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BS

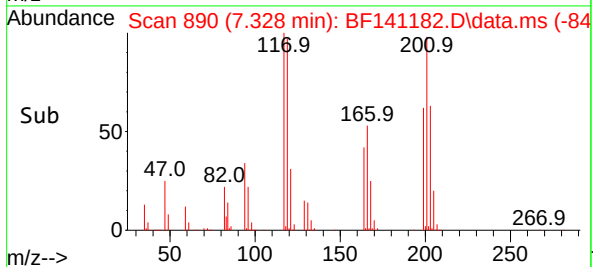
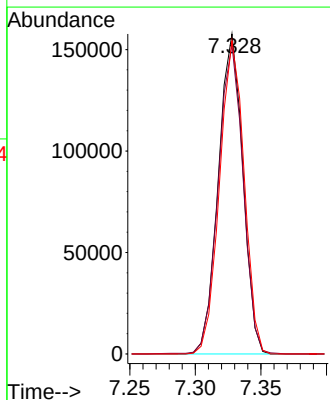
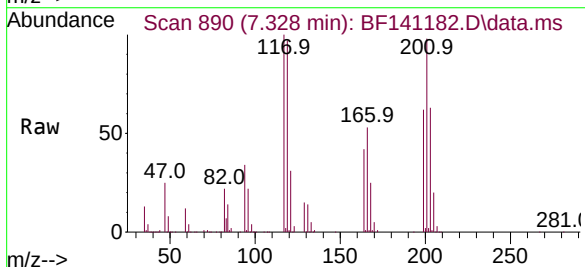


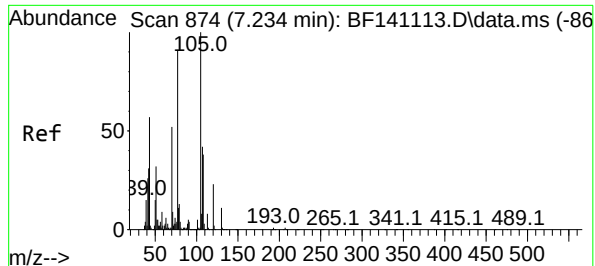
Tgt Ion:107 Resp: 427592  
Ion Ratio Lower Upper  
107 100  
108 111.8 90.1 135.1  
77 47.6 36.6 55.0  
79 47.4 36.6 54.8



#18  
Hexachloroethane  
Concen: 49.752 ng  
RT: 7.328 min Scan# 890  
Delta R.T. -0.006 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

Tgt Ion:117 Resp: 204680  
Ion Ratio Lower Upper  
117 100  
119 96.7 77.6 116.4  
201 97.9 75.1 112.7





#19

n-Nitroso-di-n-propylamine

Concen: 51.990 ng

RT: 7.234 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

Tgt Ion: 70 Resp: 365997

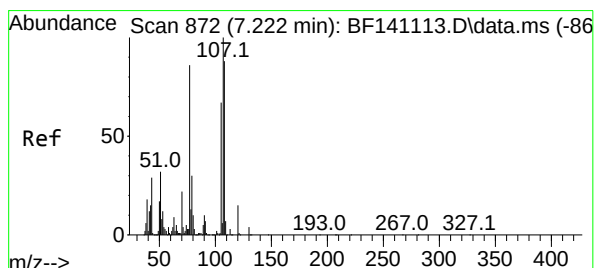
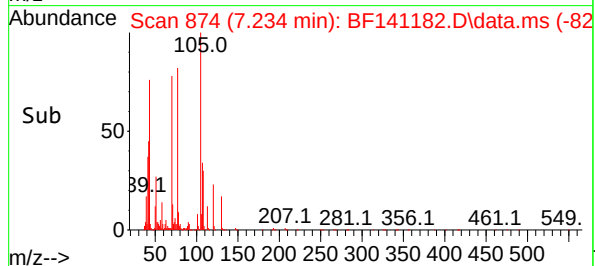
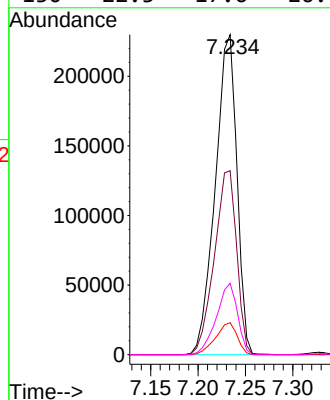
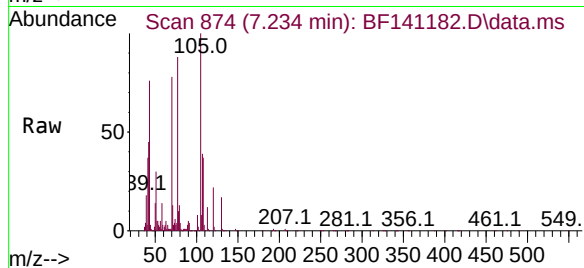
Ion Ratio Lower Upper

70 100

42 57.5 47.8 71.6

101 10.0 7.9 11.9

130 22.3 17.6 26.4



#20

3+4-Methylphenols

Concen: 50.891 ng

RT: 7.222 min Scan# 872

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Tgt Ion: 107 Resp: 524674

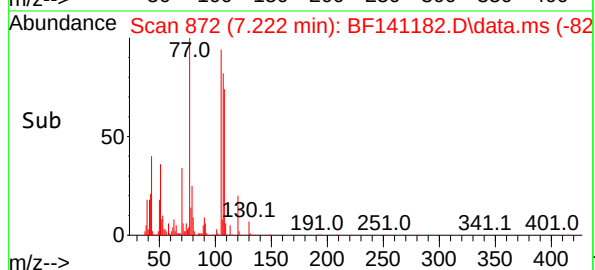
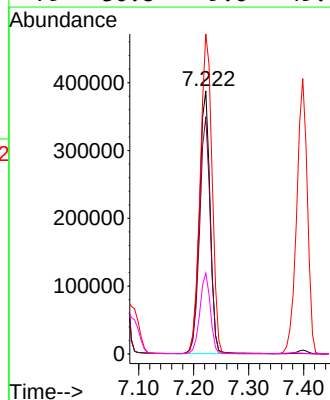
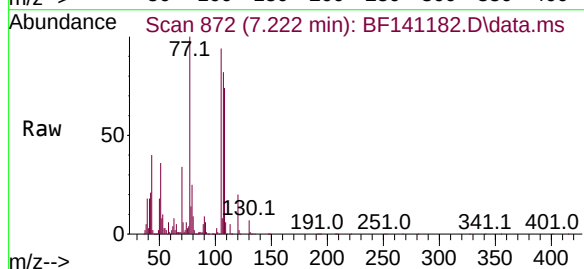
Ion Ratio Lower Upper

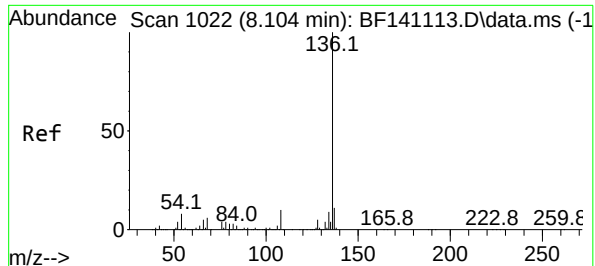
107 100

108 90.2 68.3 108.3

77 121.7 66.4 106.4#

79 30.8 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: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

Tgt Ion:136 Resp: 588065

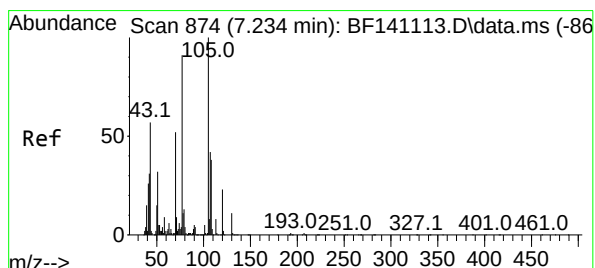
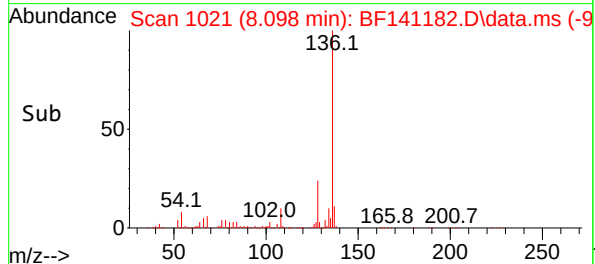
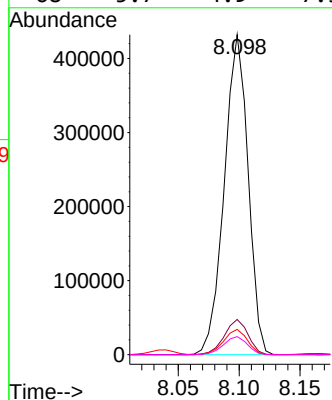
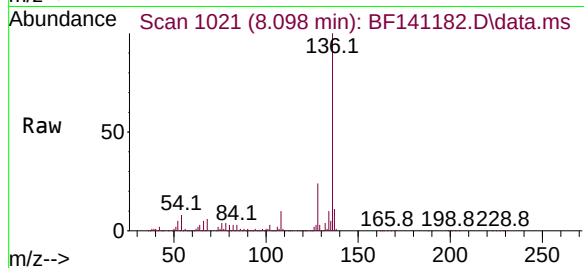
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 7.9 6.3 9.5

68 5.7 4.9 7.3



#22

Acetophenone

Concen: 49.608 ng

RT: 7.222 min Scan# 872

Delta R.T. -0.012 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Tgt Ion:105 Resp: 693502

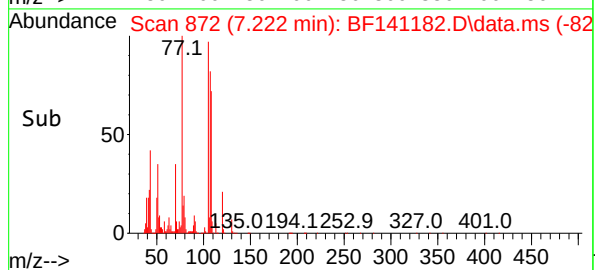
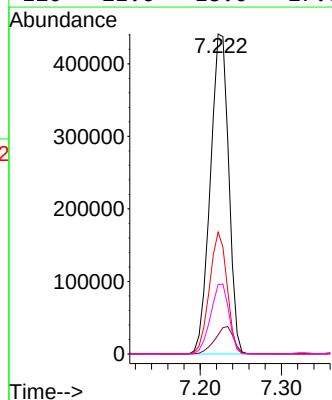
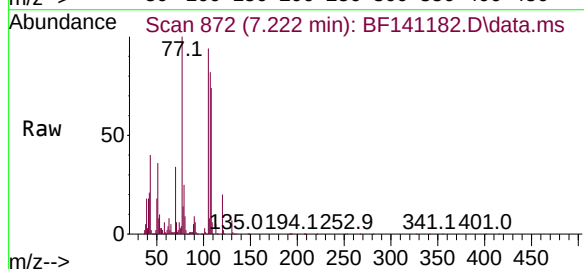
Ion Ratio Lower Upper

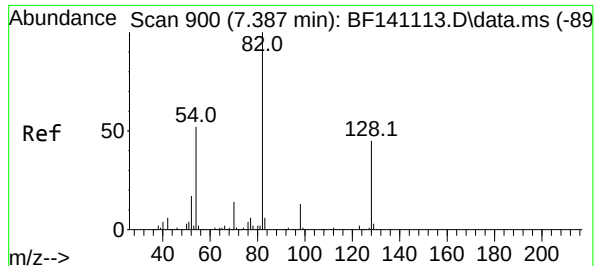
105 100

71 5.9 7.1 10.7#

51 38.1 25.4 38.2

120 21.6 18.0 27.0





#23

Nitrobenzene-d5

Concen: 95.047 ng

RT: 7.381 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

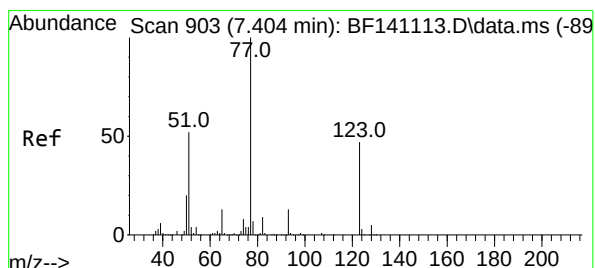
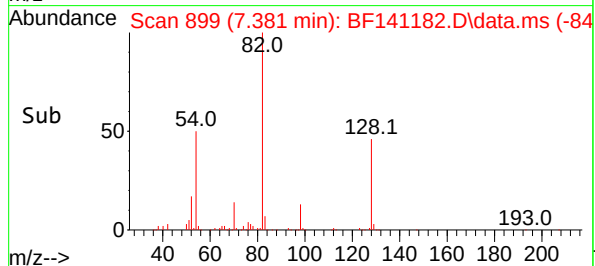
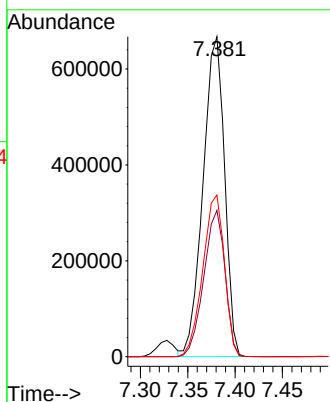
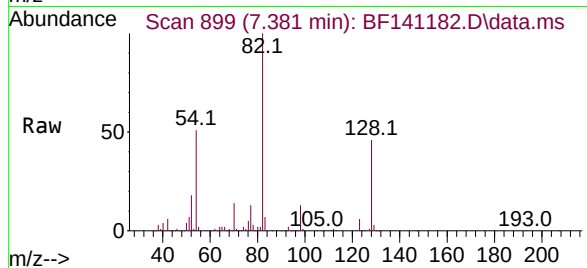
Tgt Ion: 82 Resp: 1054430

Ion Ratio Lower Upper

82 100

128 45.7 36.1 54.1

54 50.6 41.0 61.4



#24

Nitrobenzene

Concen: 47.357 ng

RT: 7.398 min Scan# 902

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

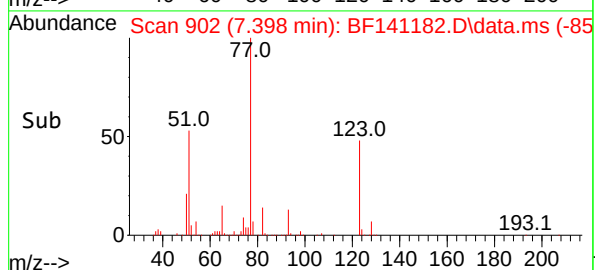
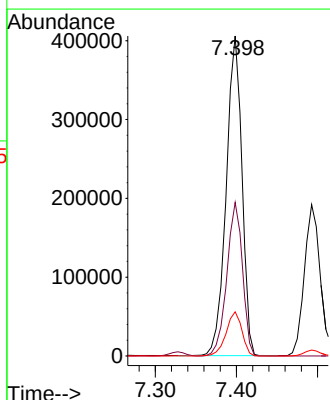
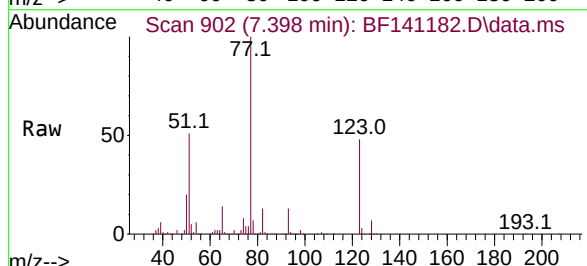
Tgt Ion: 77 Resp: 547547

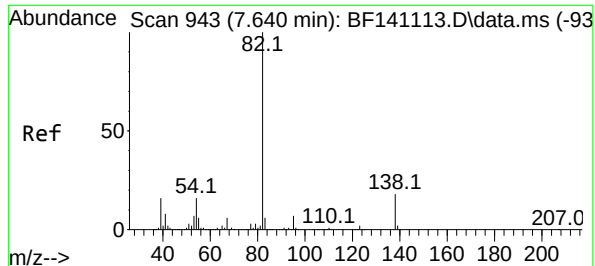
Ion Ratio Lower Upper

77 100

123 48.0 37.7 56.5

65 13.8 10.6 16.0

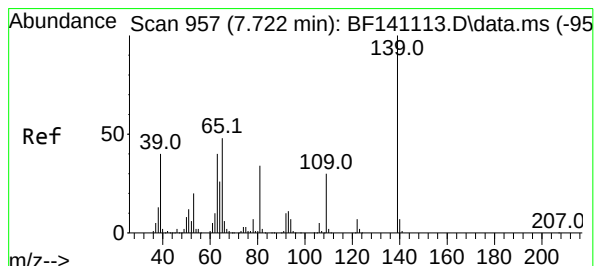
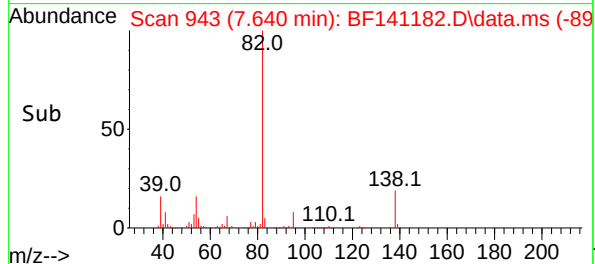
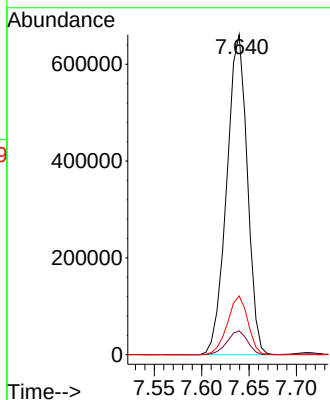
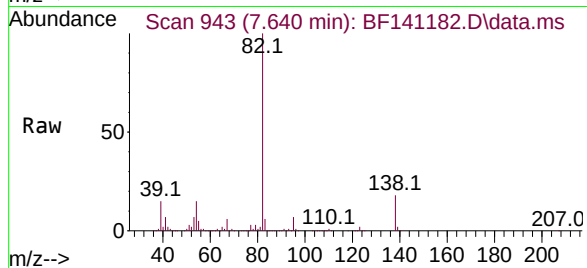




#25  
Isophorone  
Concen: 52.719 ng  
RT: 7.640 min Scan# 943  
Delta R.T. 0.000 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

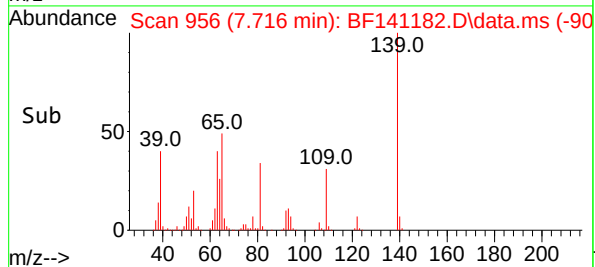
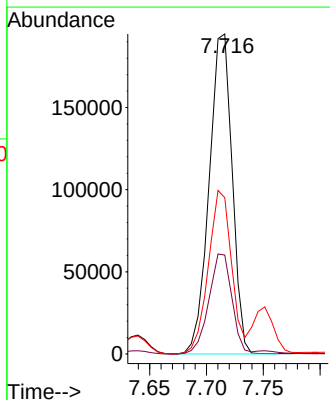
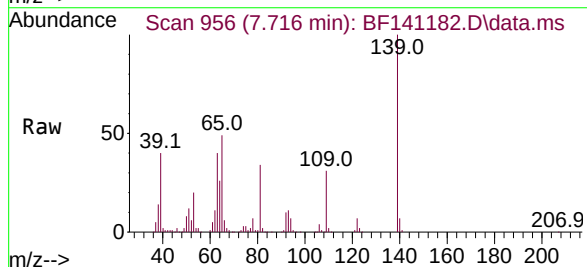
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BS

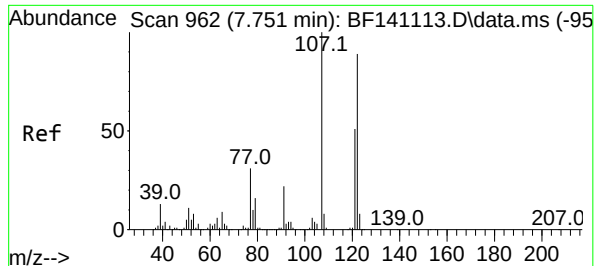
Tgt Ion: 82 Resp: 999486  
Ion Ratio Lower Upper  
82 100  
95 7.5 5.9 8.9  
138 18.4 14.2 21.2



#26  
2-Nitrophenol  
Concen: 52.281 ng  
RT: 7.716 min Scan# 956  
Delta R.T. -0.006 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

Tgt Ion: 139 Resp: 274966  
Ion Ratio Lower Upper  
139 100  
109 30.9 23.8 35.6  
65 48.8 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 61.467 ng

RT: 7.751 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

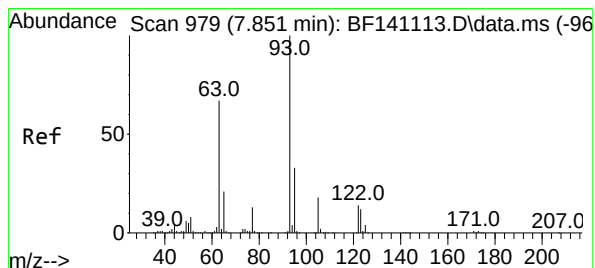
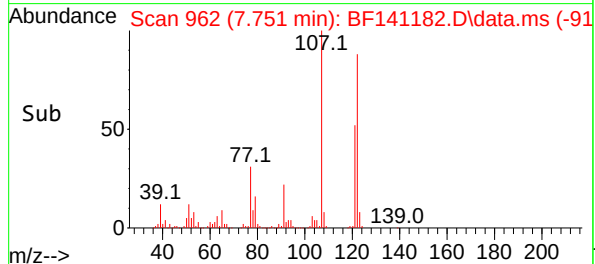
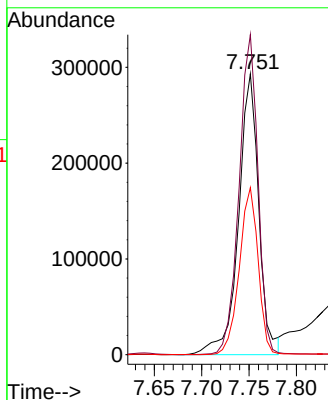
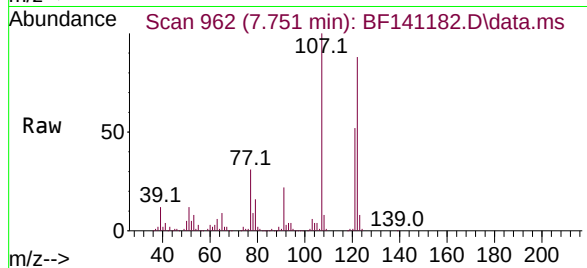
Tgt Ion:122 Resp: 436056

Ion Ratio Lower Upper

122 100

107 114.0 90.3 135.5

121 59.5 46.5 69.7



#28

bis(2-Chloroethoxy)methane

Concen: 49.965 ng

RT: 7.851 min Scan# 979

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

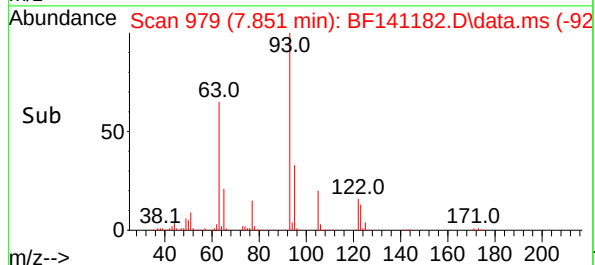
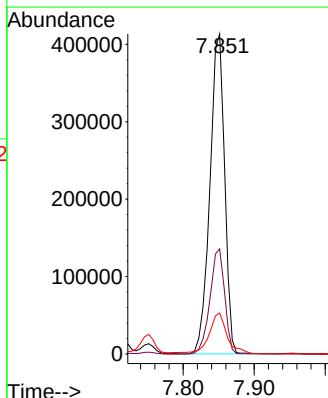
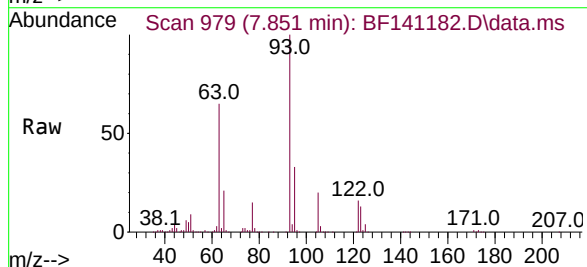
Tgt Ion: 93 Resp: 594498

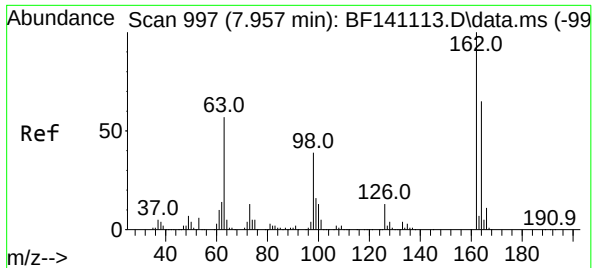
Ion Ratio Lower Upper

93 100

95 32.8 26.2 39.4

123 12.8 10.1 15.1





#29

2,4-Dichlorophenol

Concen: 51.864 ng

RT: 7.951 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF141182.D

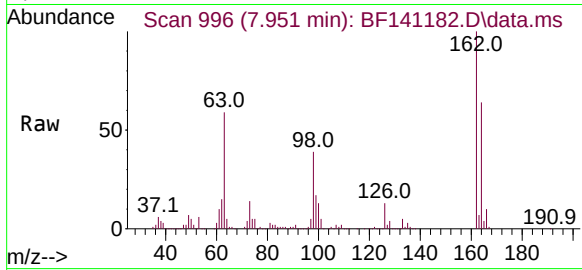
Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS



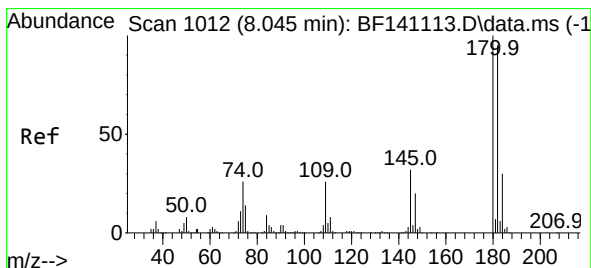
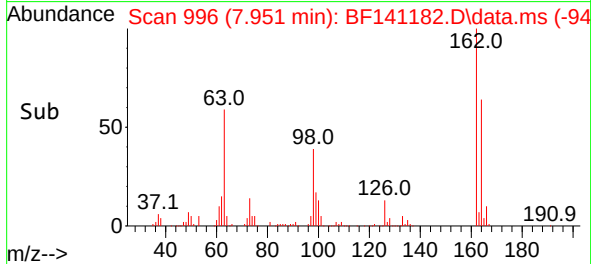
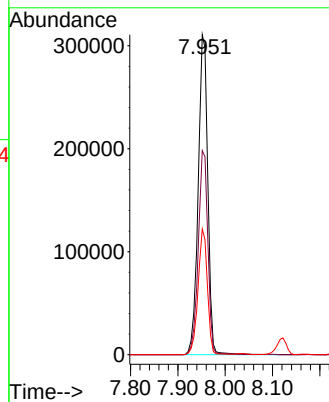
Tgt Ion:162 Resp: 436985

Ion Ratio Lower Upper

162 100

164 63.8 44.5 84.5

98 39.3 18.5 58.5



#30

1,2,4-Trichlorobenzene

Concen: 47.687 ng

RT: 8.040 min Scan# 1011

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

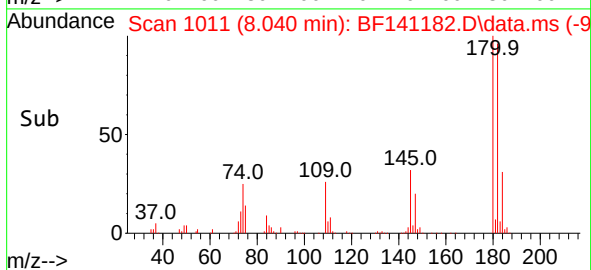
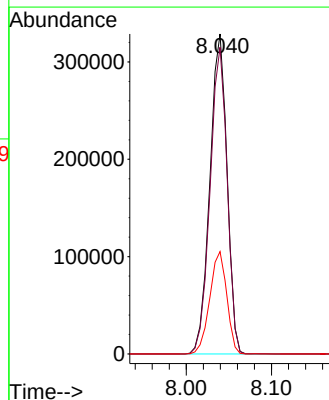
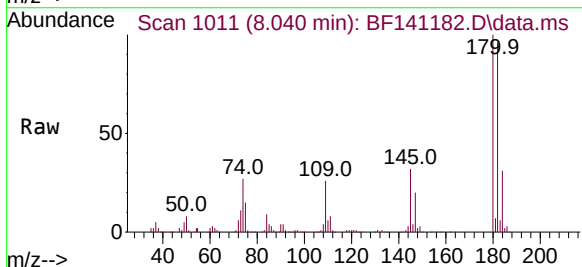
Tgt Ion:180 Resp: 459263

Ion Ratio Lower Upper

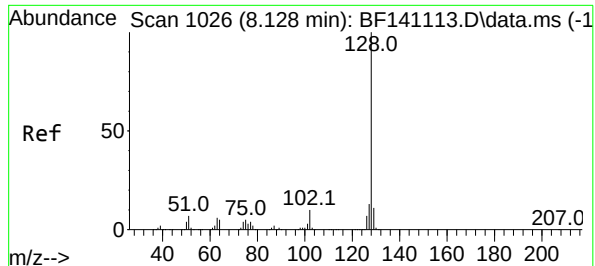
180 100

182 95.9 76.2 114.2

145 32.0 25.3 37.9







#31

Naphthalene

Concen: 48.853 ng

RT: 8.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

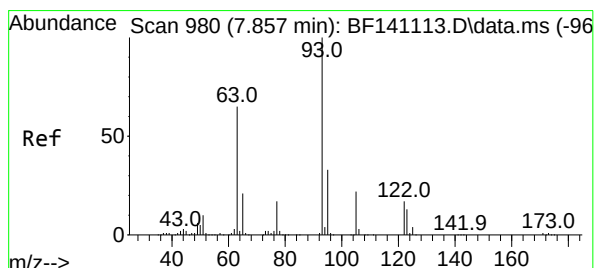
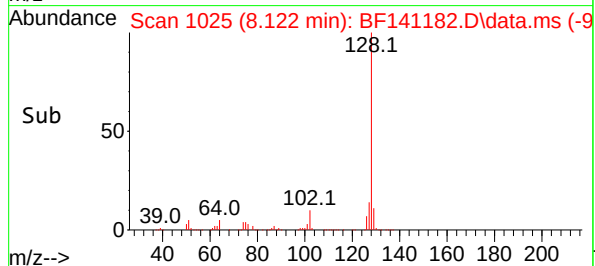
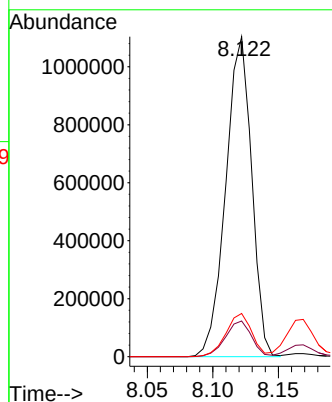
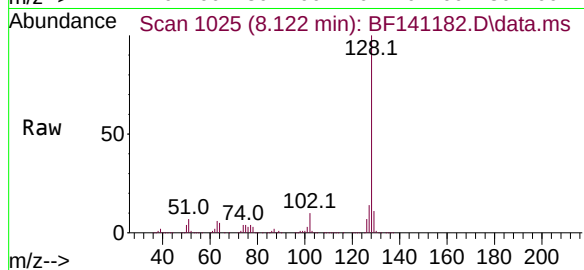
Tgt Ion:128 Resp: 1515042

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

127 13.5 10.8 16.2



#32

Benzoic acid

Concen: 49.939 ng

RT: 7.875 min Scan# 983

Delta R.T. 0.018 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

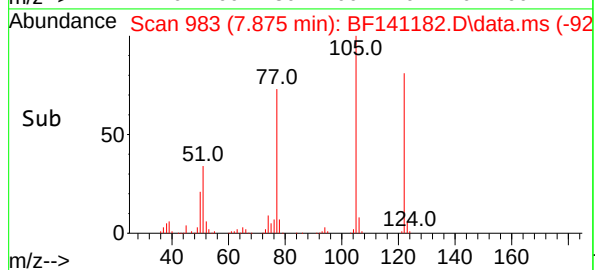
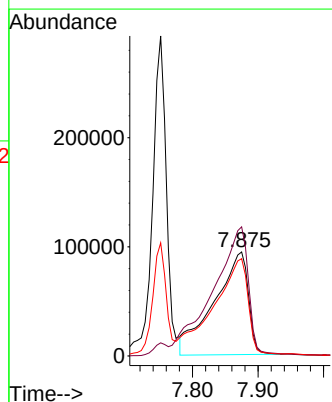
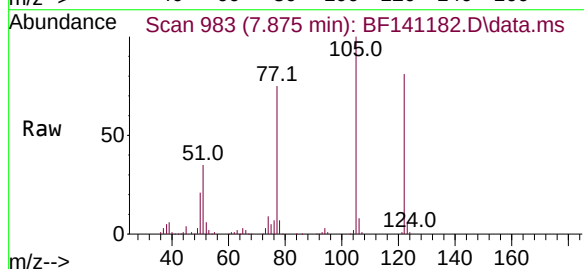
Tgt Ion:122 Resp: 339847

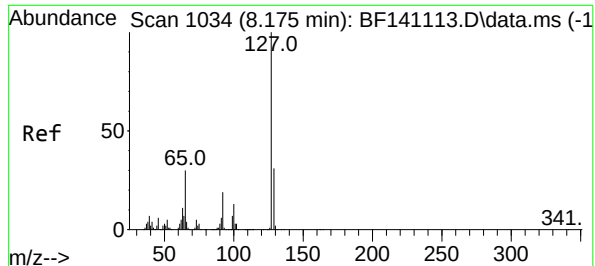
Ion Ratio Lower Upper

122 100

105 124.0 105.5 145.5

77 93.5 75.1 115.1





#33

4-Chloroaniline

Concen: 18.758 ng

RT: 8.169 min Scan# 1033

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

Tgt Ion:127 Resp: 201185

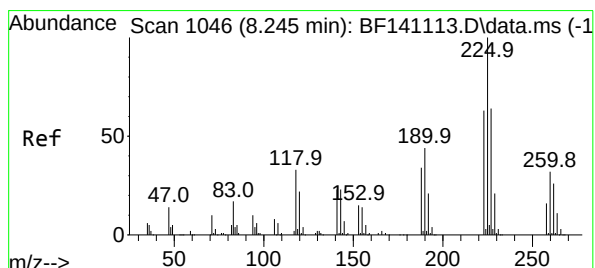
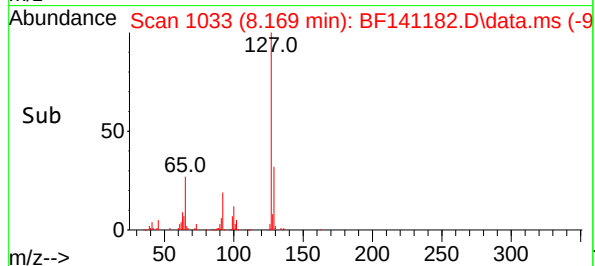
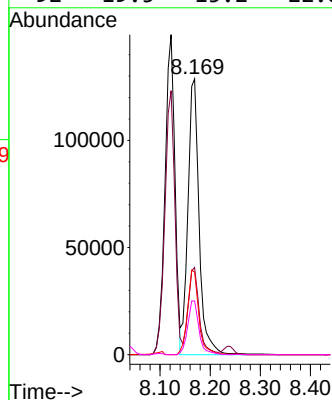
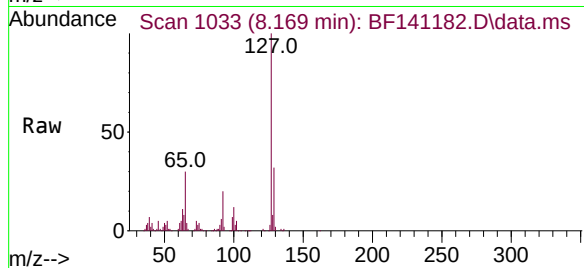
Ion Ratio Lower Upper

127 100

129 31.6 25.9 38.9

65 30.0 23.8 35.8

92 19.5 15.2 22.8



#34

Hexachlorobutadiene

Concen: 48.583 ng

RT: 8.240 min Scan# 1045

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

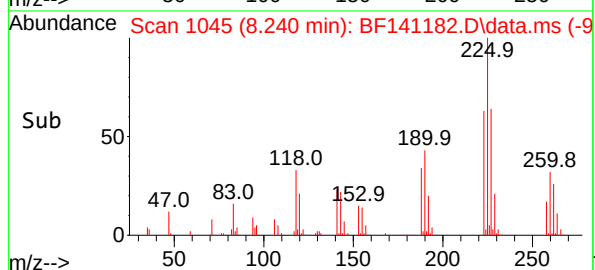
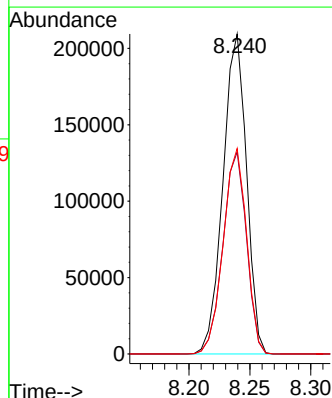
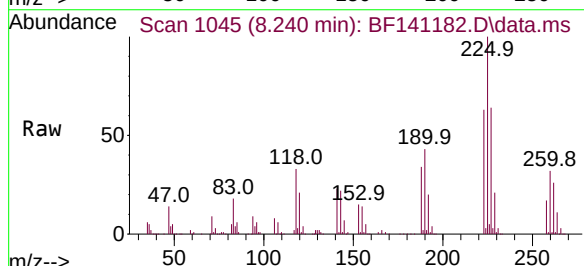
Tgt Ion:225 Resp: 281930

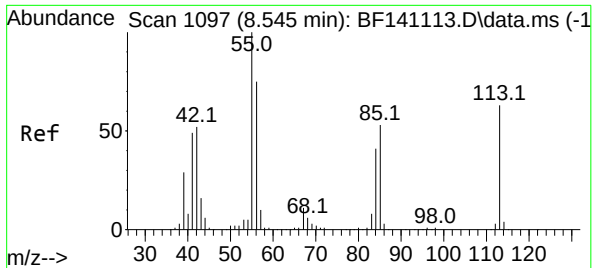
Ion Ratio Lower Upper

225 100

223 63.1 50.6 76.0

227 64.2 51.6 77.4

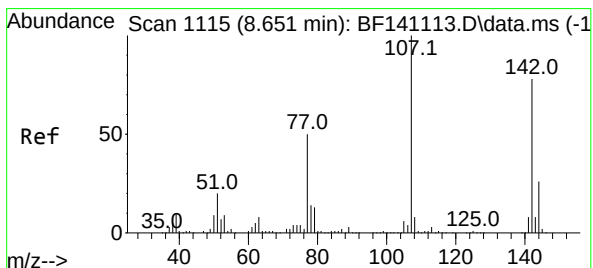
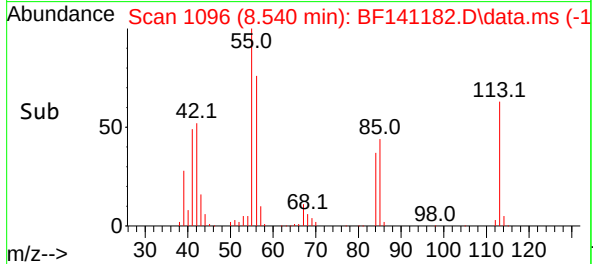
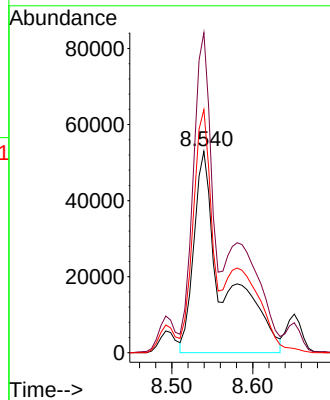
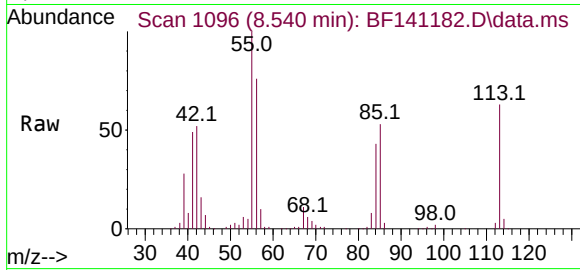




#35  
Caprolactam  
Concen: 50.109 ng m  
RT: 8.540 min Scan# 1097  
Delta R.T. -0.006 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

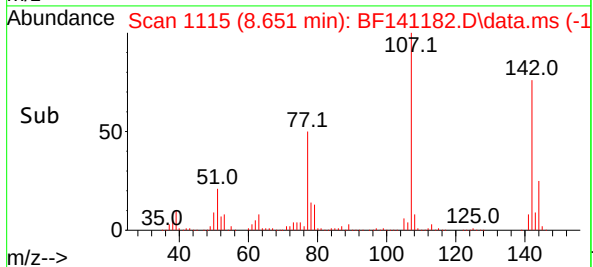
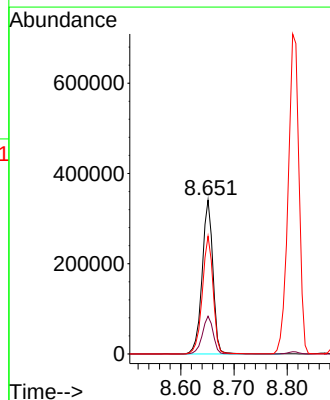
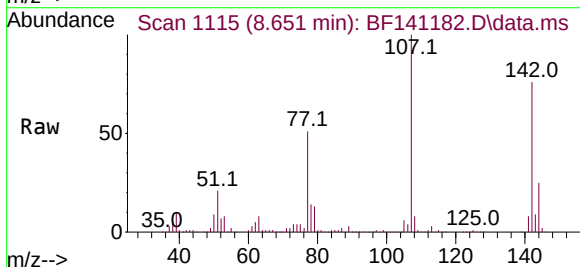
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BS

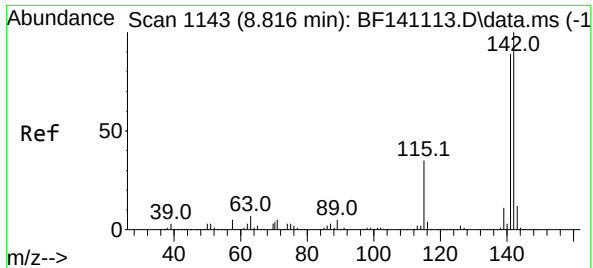
Tgt Ion:113 Resp: 138224  
Ion Ratio Lower Upper  
113 100  
55 158.9 139.7 179.7  
56 120.7 99.4 139.4



#36  
4-Chloro-3-methylphenol  
Concen: 52.081 ng  
RT: 8.651 min Scan# 1115  
Delta R.T. 0.000 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

Tgt Ion:107 Resp: 479905  
Ion Ratio Lower Upper  
107 100  
144 24.6 20.4 30.6  
142 76.5 62.2 93.2





#37

2-Methylnaphthalene

Concen: 50.538 ng

RT: 8.810 min Scan# 1143

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

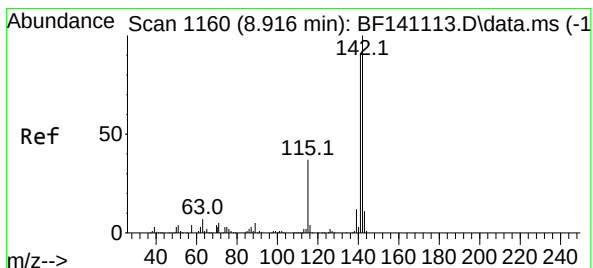
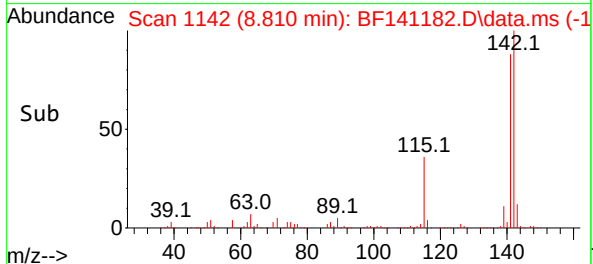
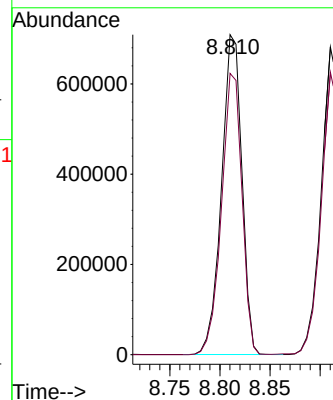
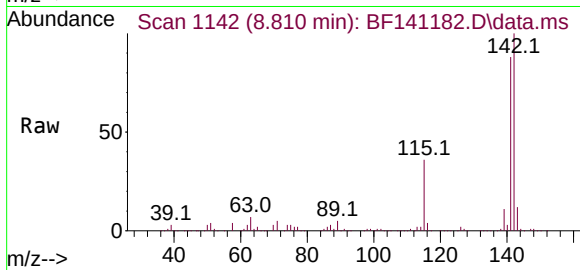
PB166033BS

Tgt Ion:142 Resp: 998741

Ion Ratio Lower Upper

142 100

141 87.9 71.3 106.9



#38

1-Methylnaphthalene

Concen: 47.852 ng

RT: 8.910 min Scan# 1159

Delta R.T. -0.006 min

Lab File: BF141182.D

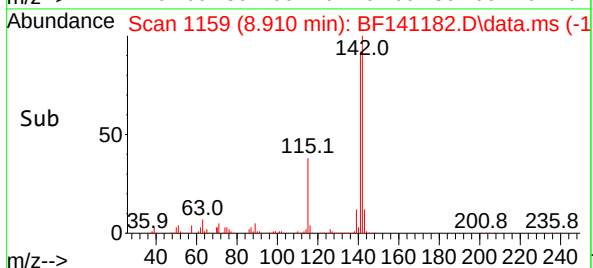
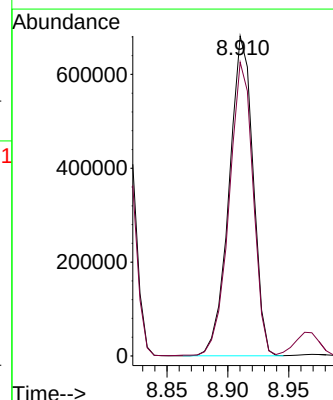
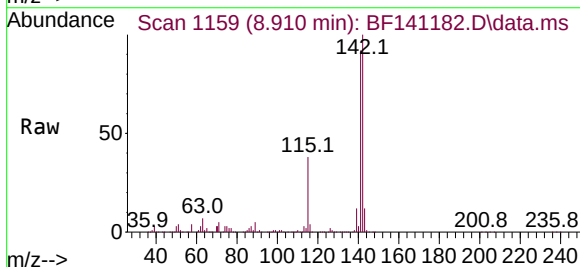
Acq: 16 Jan 2025 13:48

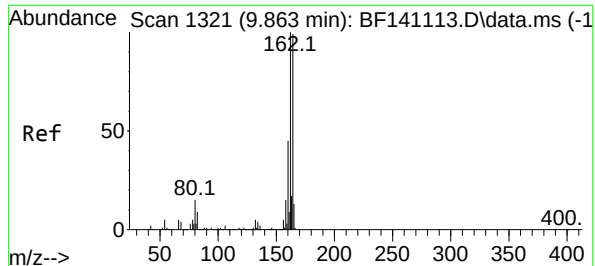
Tgt Ion:142 Resp: 931967

Ion Ratio Lower Upper

142 100

141 91.8 73.1 109.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

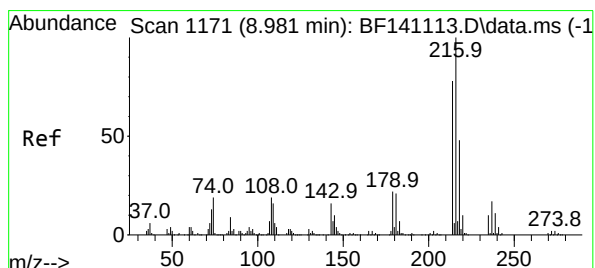
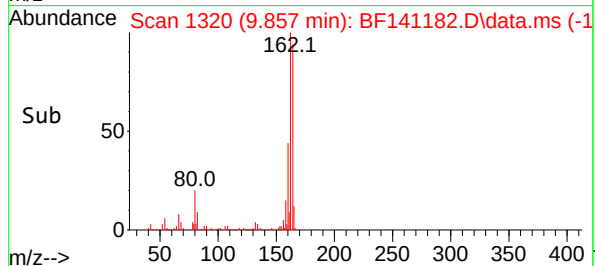
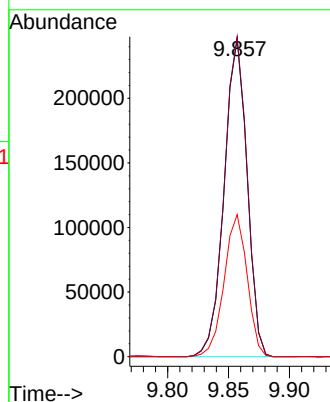
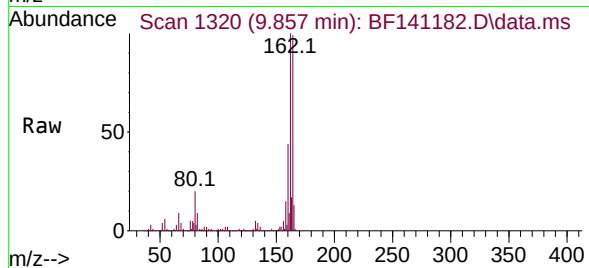
Tgt Ion:164 Resp: 322280

Ion Ratio Lower Upper

164 100

162 100.7 81.0 121.4

160 44.7 36.1 54.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.482 ng

RT: 8.981 min Scan# 1171

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Tgt Ion:216 Resp: 457713

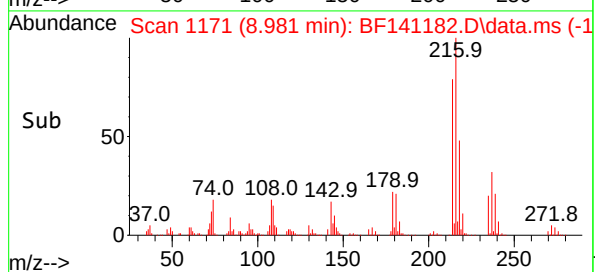
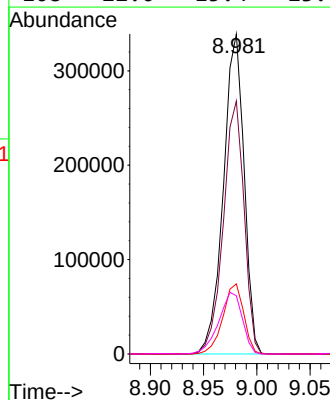
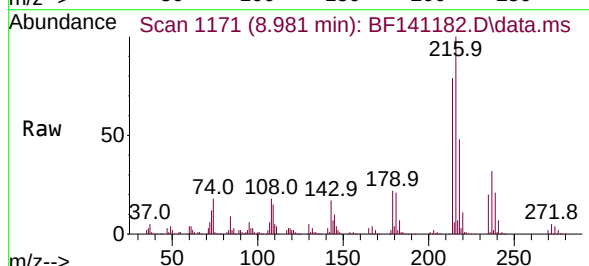
Ion Ratio Lower Upper

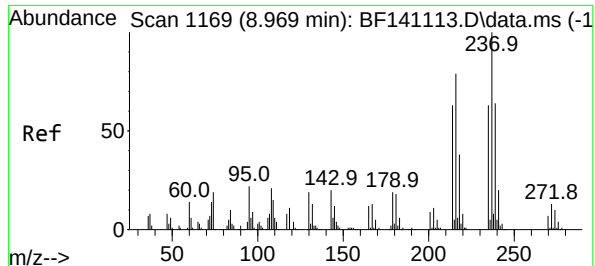
216 100

214 78.9 62.6 94.0

179 22.1 17.7 26.5

108 22.0 15.4 23.0





#41

Hexachlorocyclopentadiene

Concen: 195.721 ng

RT: 8.969 min Scan# 1169

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

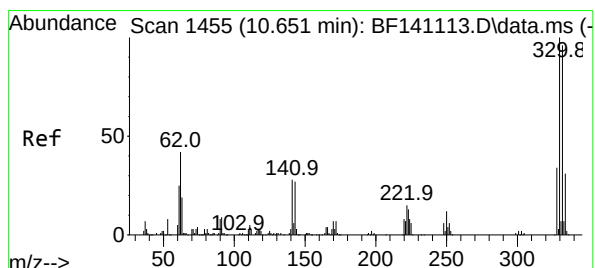
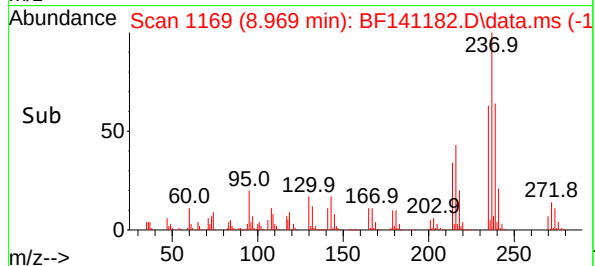
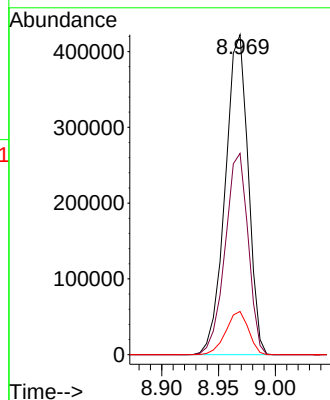
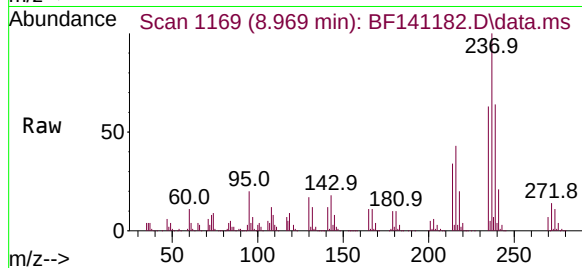
Tgt Ion:237 Resp: 592312

Ion Ratio Lower Upper

237 100

235 62.9 43.0 83.0

272 13.5 0.0 33.0



#42

2,4,6-Tribromophenol

Concen: 101.651 ng

RT: 10.645 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

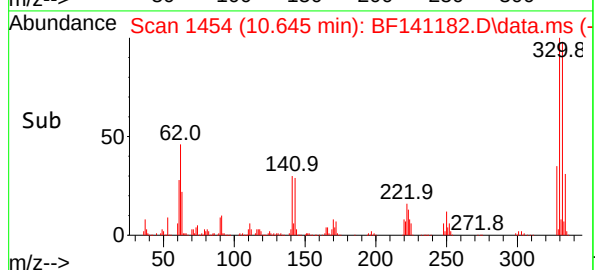
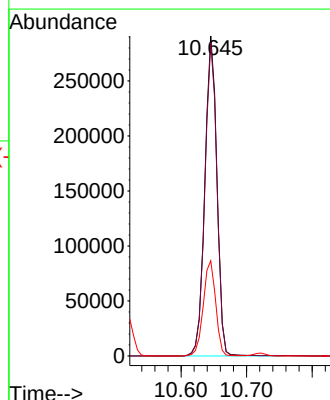
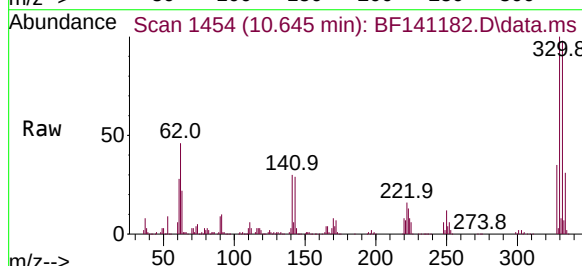
Tgt Ion:330 Resp: 373279

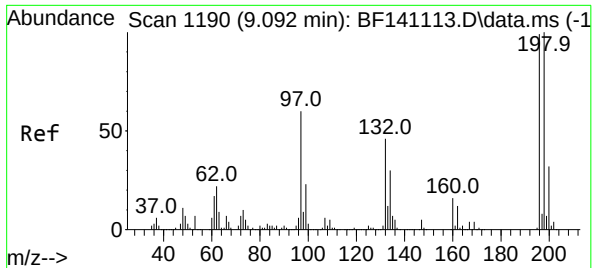
Ion Ratio Lower Upper

330 100

332 98.0 76.9 115.3

141 30.6 25.2 37.8





#43

2,4,6-Trichlorophenol

Concen: 53.212 ng

RT: 9.087 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF141182.D

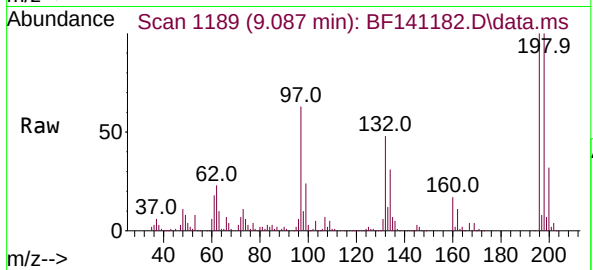
Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS



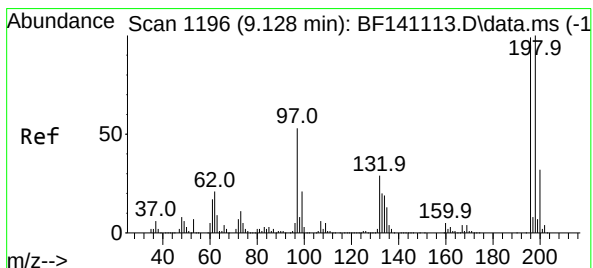
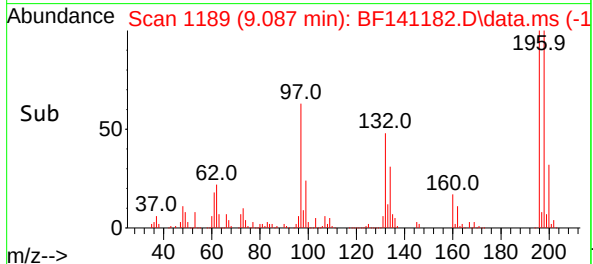
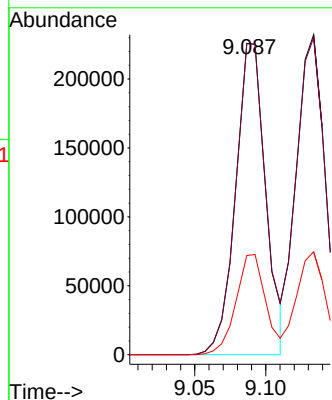
Tgt Ion:196 Resp: 331969

Ion Ratio Lower Upper

196 100

198 99.8 80.8 121.2

200 31.9 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 49.399 ng

RT: 9.134 min Scan# 1197

Delta R.T. 0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Tgt Ion:196 Resp: 325478

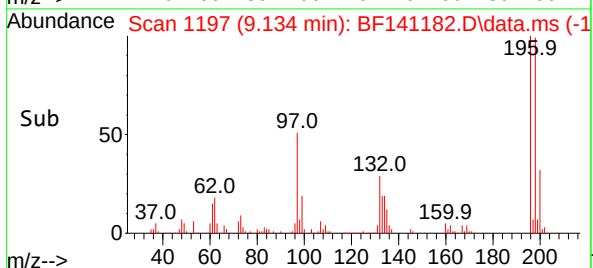
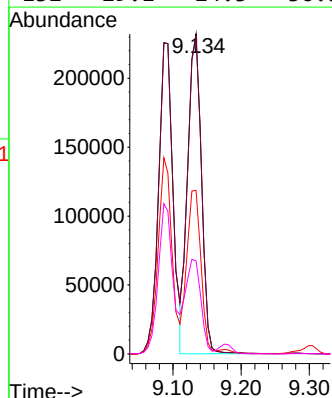
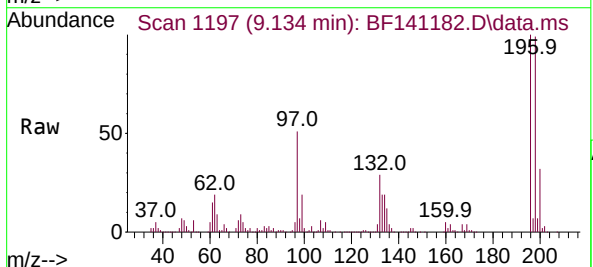
Ion Ratio Lower Upper

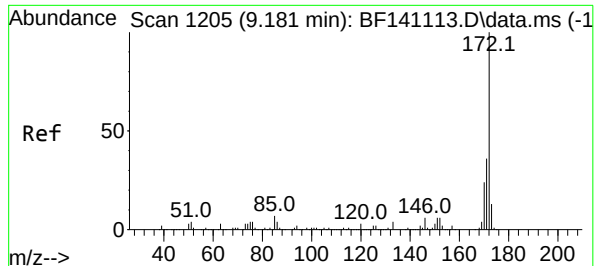
196 100

198 99.1 80.6 120.8

97 51.2 43.1 64.7

132 29.1 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 93.395 ng

RT: 9.181 min Scan# 1205

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

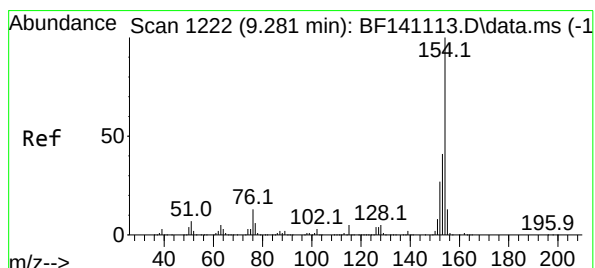
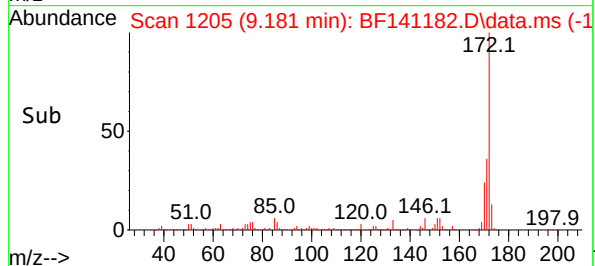
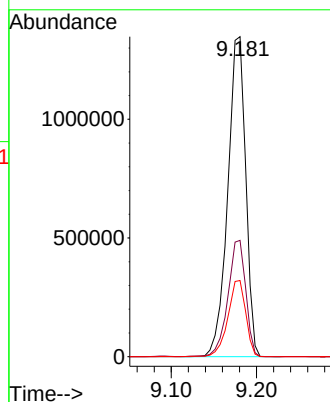
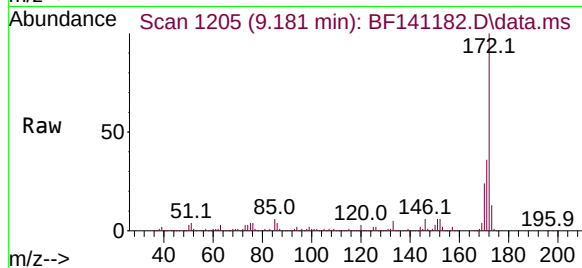
Tgt Ion:172 Resp: 1971084

Ion Ratio Lower Upper

172 100

171 36.3 28.7 43.1

170 23.8 19.0 28.6



#46

1,1'-Biphenyl

Concen: 49.278 ng

RT: 9.281 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

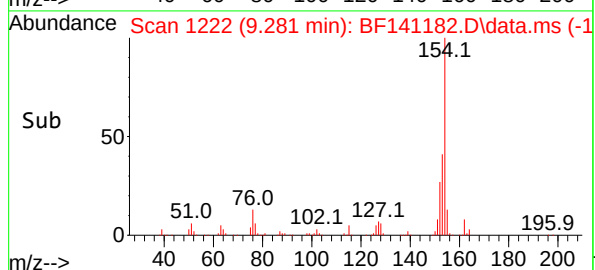
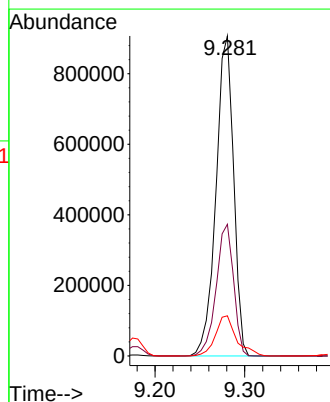
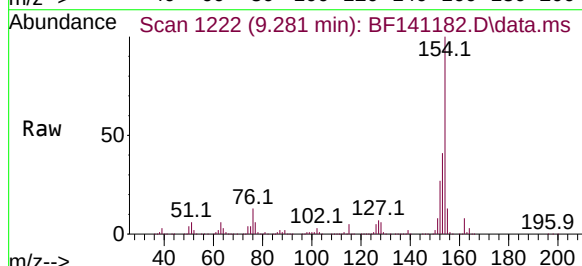
Tgt Ion:154 Resp: 1233345

Ion Ratio Lower Upper

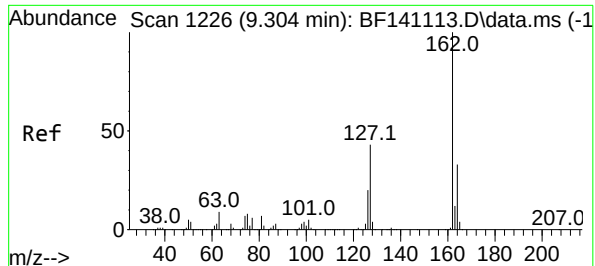
154 100

153 41.2 20.7 60.7

76 12.5 0.0 33.1







#47

2-Chloronaphthalene

Concen: 47.422 ng

RT: 9.304 min Scan# 1226

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

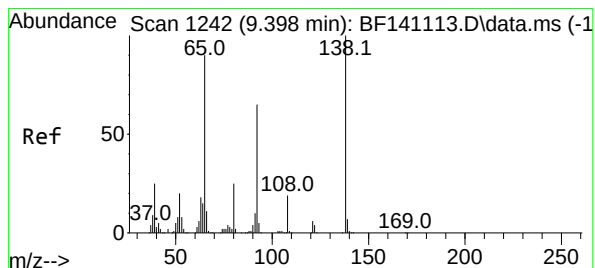
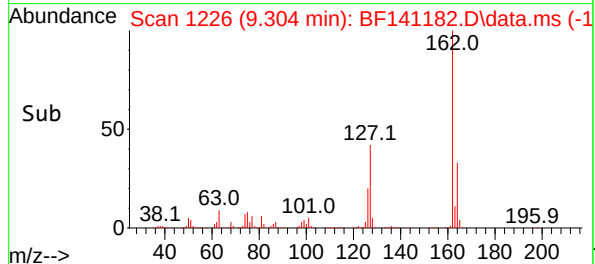
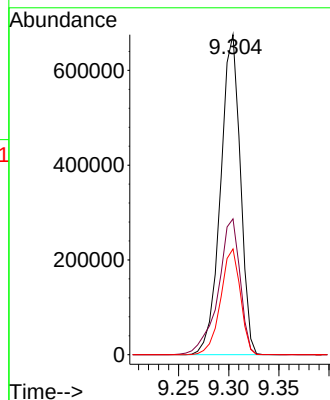
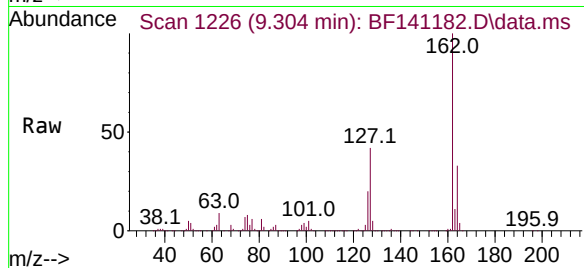
Tgt Ion:162 Resp: 924443

Ion Ratio Lower Upper

162 100

127 42.4 34.6 51.8

164 33.1 26.5 39.7



#48

2-Nitroaniline

Concen: 50.198 ng

RT: 9.398 min Scan# 1242

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

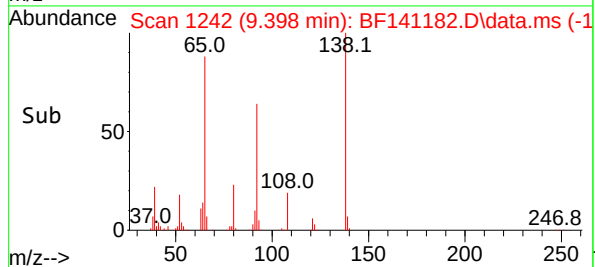
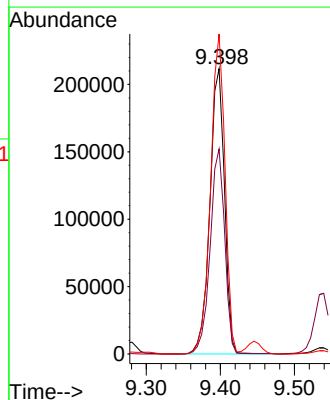
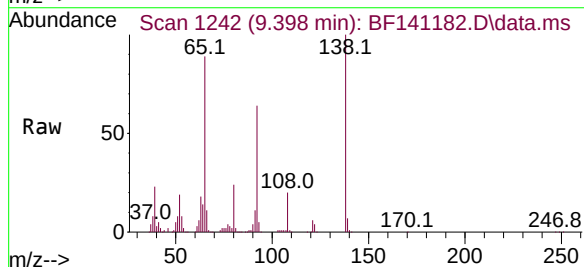
Tgt Ion: 65 Resp: 290077

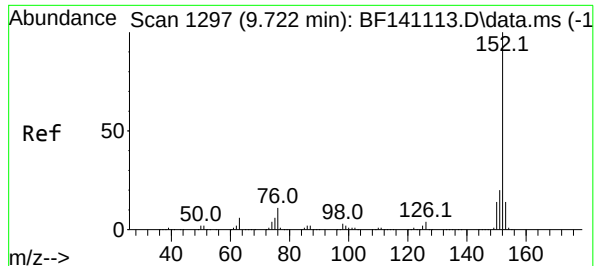
Ion Ratio Lower Upper

65 100

92 71.9 58.3 87.5

138 112.2 89.1 133.7





#49

Acenaphthylene

Concen: 52.553 ng

RT: 9.716 min Scan# 1296

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

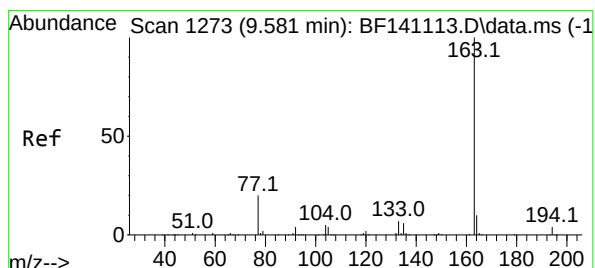
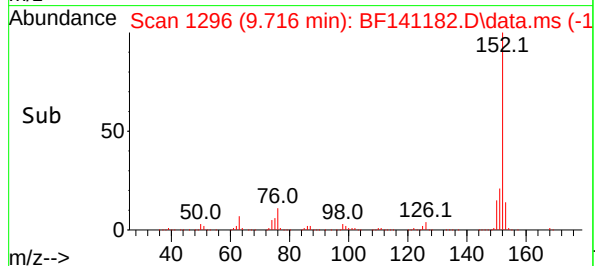
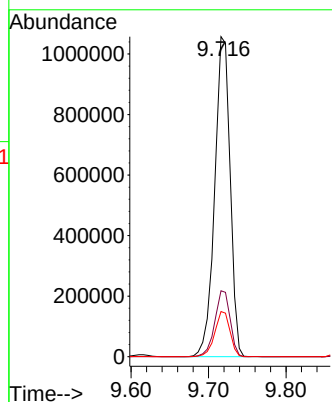
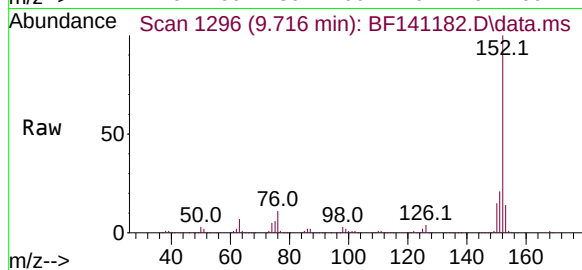
Tgt Ion:152 Resp: 1463666

Ion Ratio Lower Upper

152 100

151 20.6 16.1 24.1

153 14.1 11.1 16.7



#50

Dimethylphthalate

Concen: 51.494 ng

RT: 9.581 min Scan# 1273

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

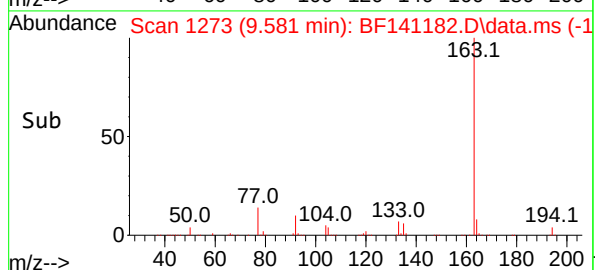
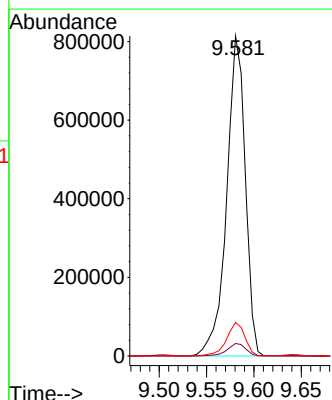
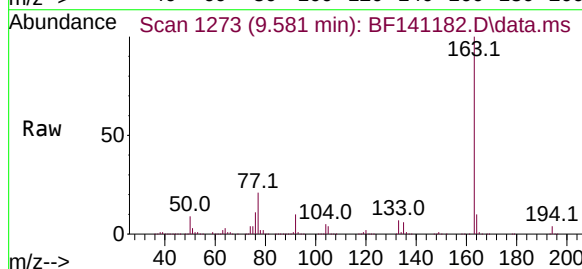
Tgt Ion:163 Resp: 1114131

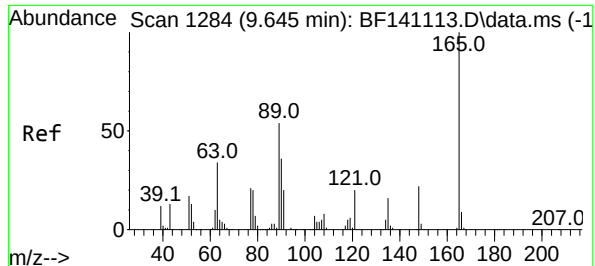
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.5 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 49.557 ng

RT: 9.639 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

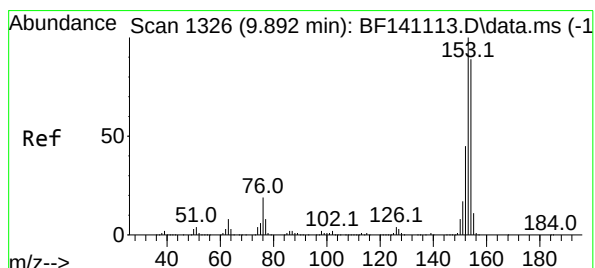
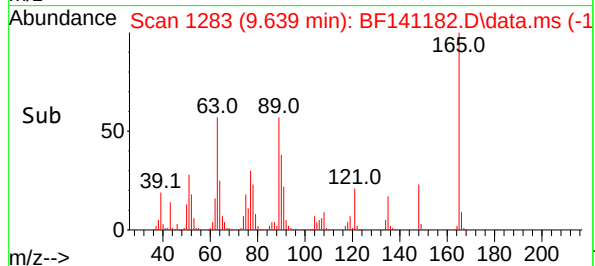
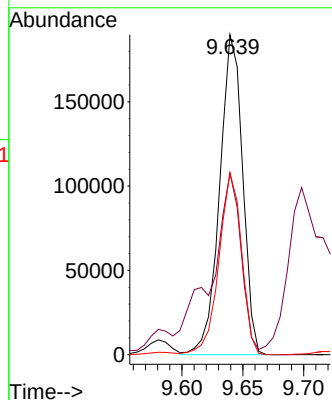
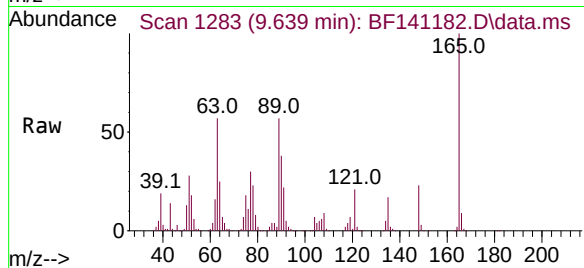
Tgt Ion:165 Resp: 249340

Ion Ratio Lower Upper

165 100

63 56.8 42.3 63.5

89 56.7 43.1 64.7



#52

Acenaphthene

Concen: 55.908 ng

RT: 9.892 min Scan# 1326

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

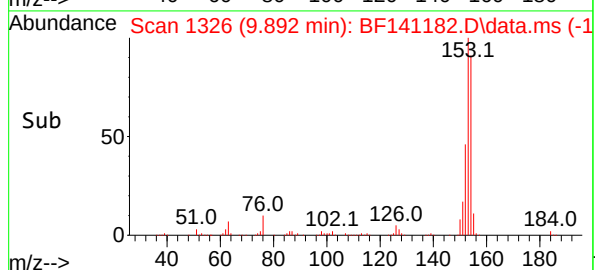
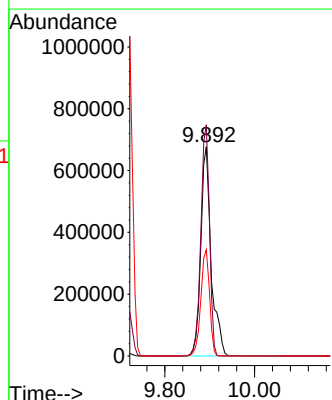
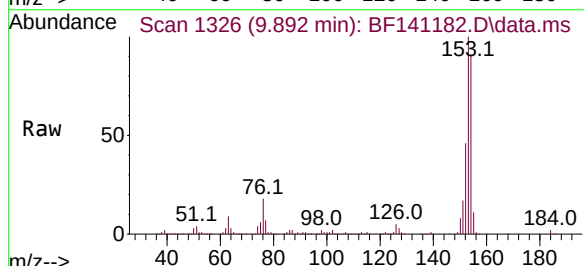
Tgt Ion:154 Resp: 1087854

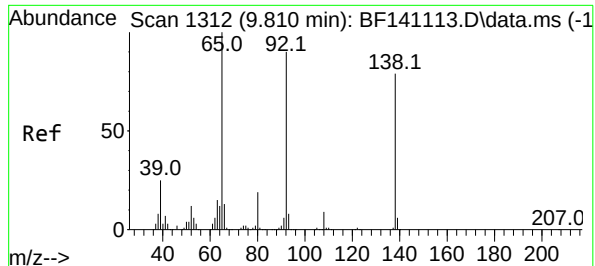
Ion Ratio Lower Upper

154 100

153 110.5 89.8 134.6

152 50.8 40.8 61.2





#53

3-Nitroaniline

Concen: 28.852 ng

RT: 9.804 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

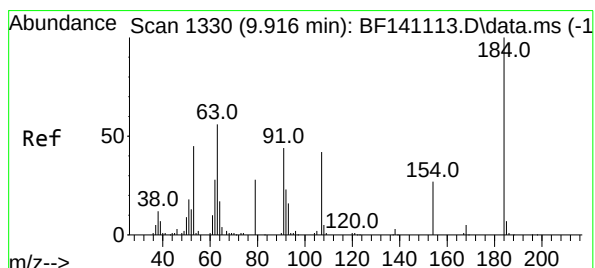
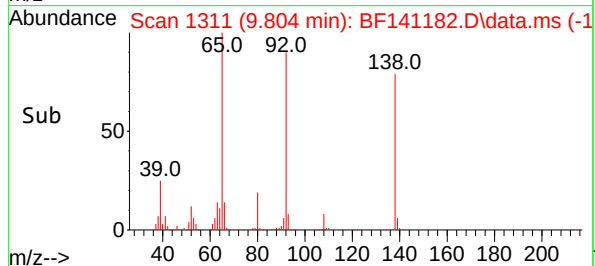
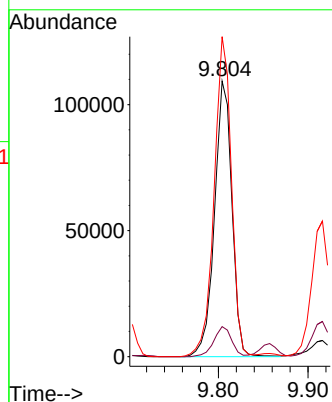
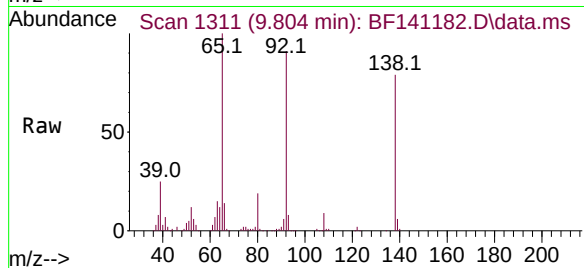
Tgt Ion:138 Resp: 147518

Ion Ratio Lower Upper

138 100

108 10.9 8.8 13.2

92 116.2 91.3 136.9



#54

2,4-Dinitrophenol

Concen: 118.709 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

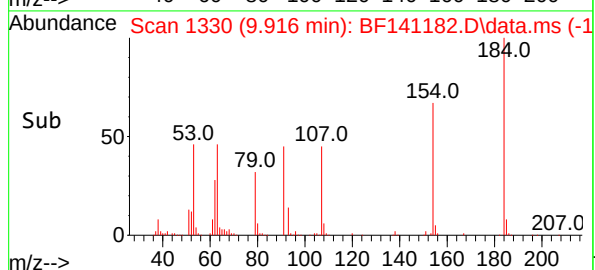
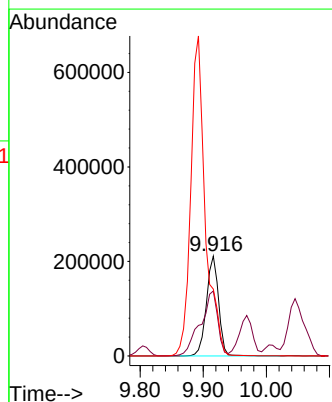
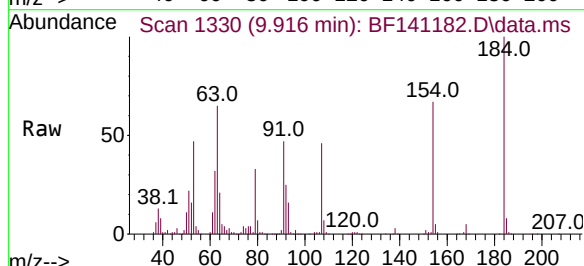
Tgt Ion:184 Resp: 283893

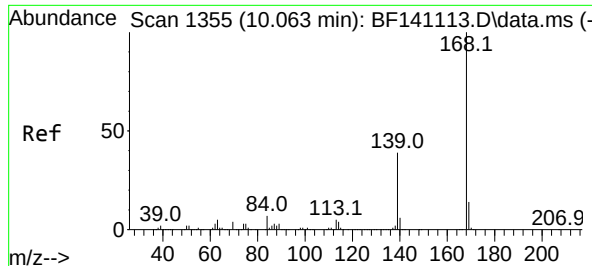
Ion Ratio Lower Upper

184 100

63 65.1 48.7 73.1

154 66.9 57.1 85.7





#55

Dibenzofuran

Concen: 50.108 ng

RT: 10.063 min Scan# 1355

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

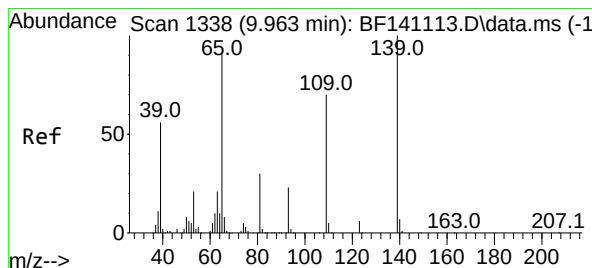
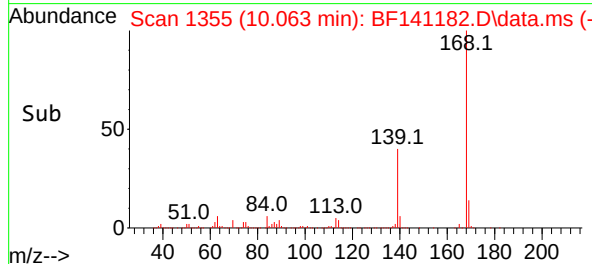
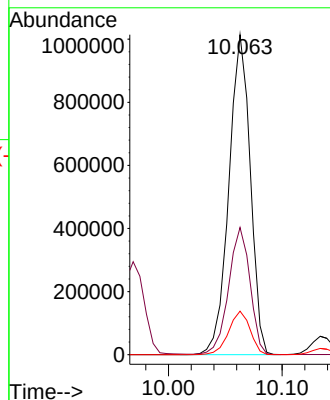
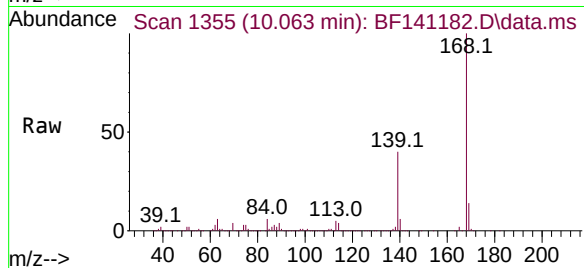
Tgt Ion:168 Resp: 1326201

Ion Ratio Lower Upper

168 100

139 39.8 31.4 47.0

169 13.6 10.9 16.3



#56

4-Nitrophenol

Concen: 107.845 ng

RT: 9.969 min Scan# 1339

Delta R.T. 0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

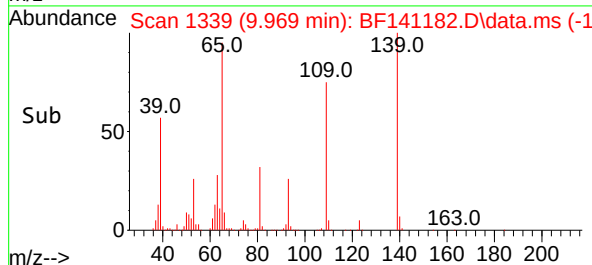
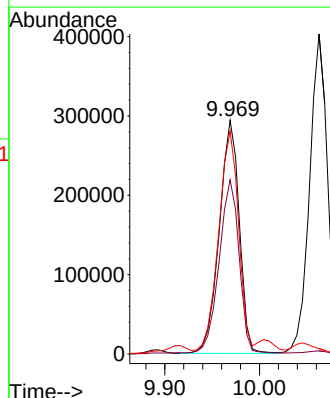
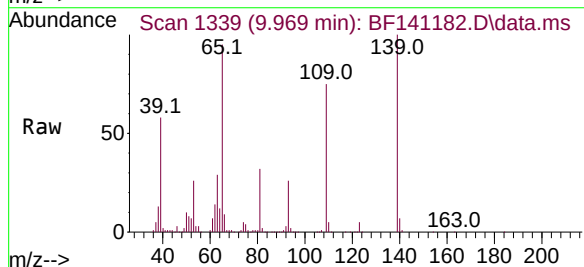
Tgt Ion:139 Resp: 431841

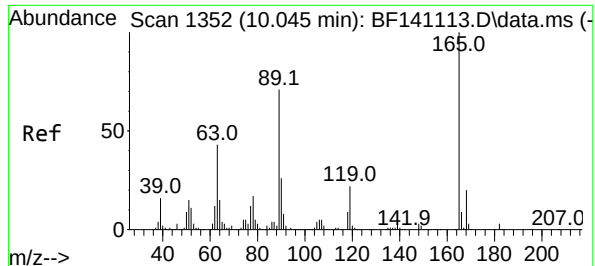
Ion Ratio Lower Upper

139 100

109 74.6 50.2 90.2

65 95.4 72.1 112.1

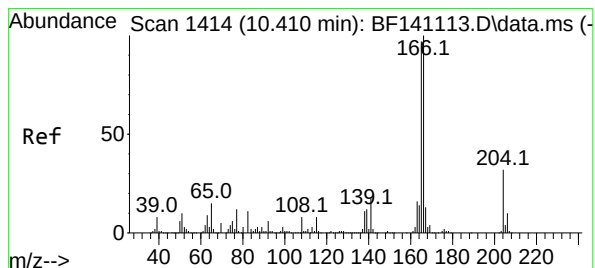
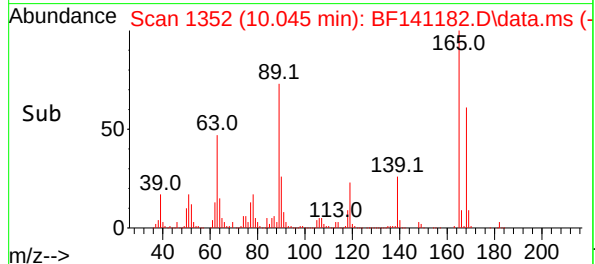
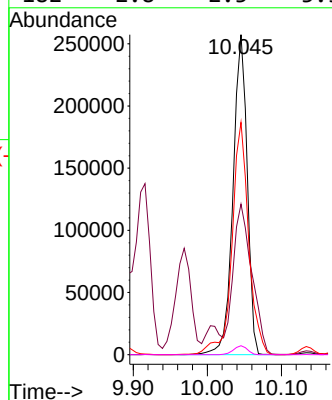
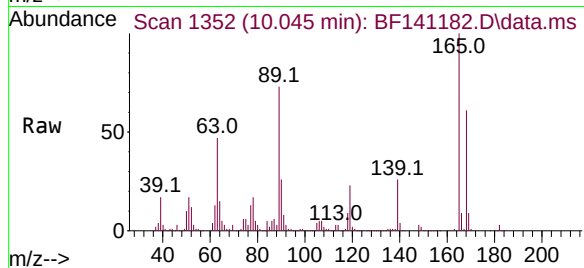




#57  
2,4-Dinitrotoluene  
Concen: 52.766 ng  
RT: 10.045 min Scan# 1413  
Delta R.T. 0.000 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

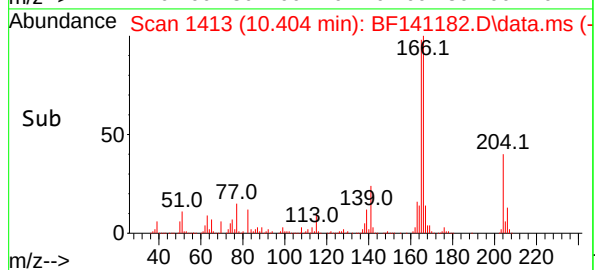
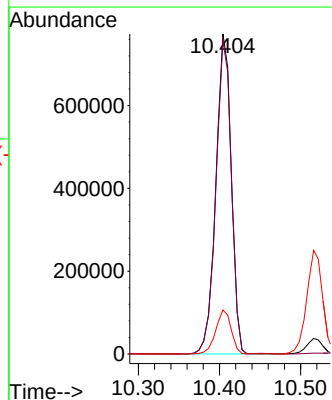
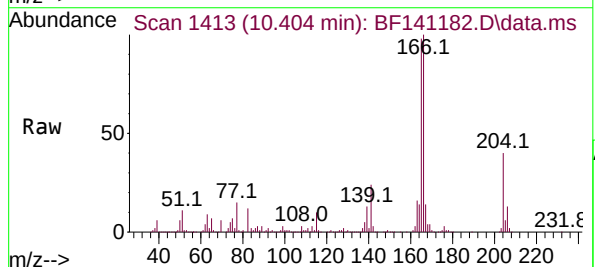
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BS

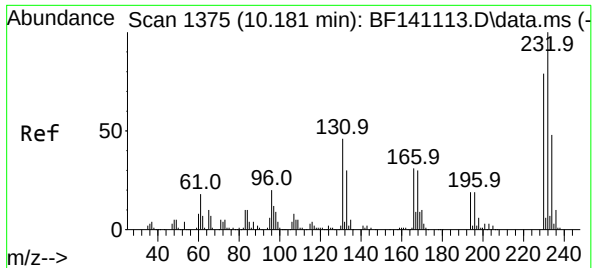
Tgt Ion:165 Resp: 342135  
Ion Ratio Lower Upper  
165 100  
63 47.1 35.0 52.4  
89 72.6 56.7 85.1  
182 2.8 2.3 3.5



#58  
Fluorene  
Concen: 49.684 ng  
RT: 10.404 min Scan# 1413  
Delta R.T. -0.006 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

Tgt Ion:166 Resp: 1021601  
Ion Ratio Lower Upper  
166 100  
165 98.0 77.8 116.8  
167 13.8 10.8 16.2

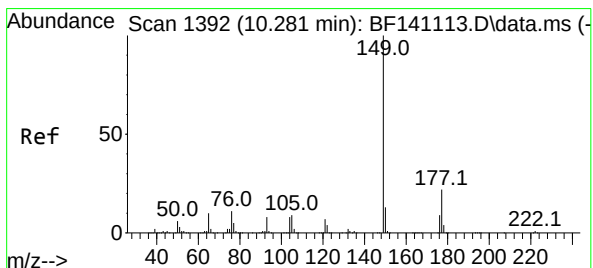
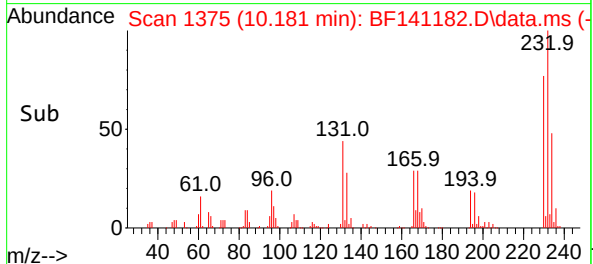
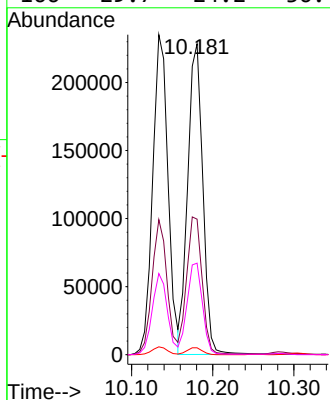
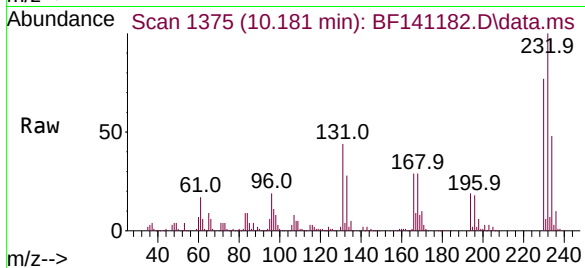




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 53.967 ng  
RT: 10.181 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

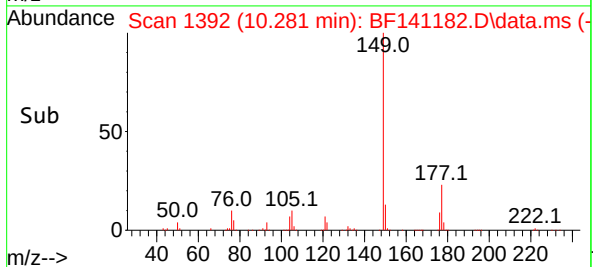
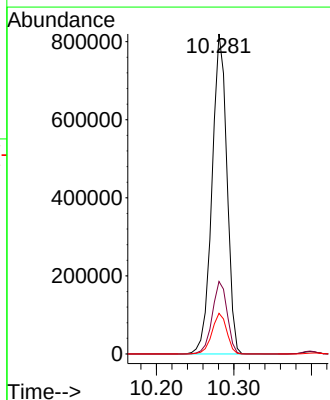
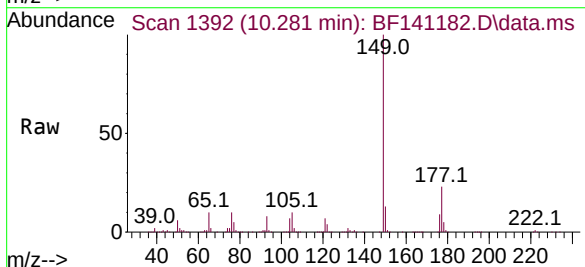
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BS

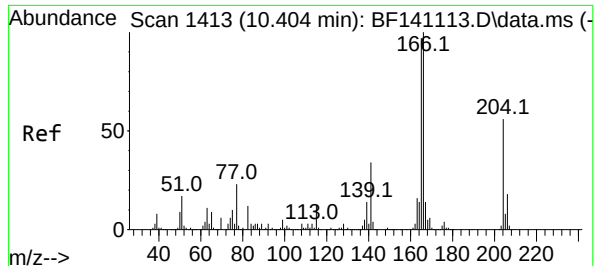
Tgt Ion:232 Resp: 295560  
Ion Ratio Lower Upper  
232 100  
131 45.6 36.2 54.4  
130 2.3 2.0 3.0  
166 29.7 24.2 36.4



#60  
Diethylphthalate  
Concen: 51.851 ng  
RT: 10.281 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

Tgt Ion:149 Resp: 1095201  
Ion Ratio Lower Upper  
149 100  
177 22.7 17.9 26.9  
150 12.7 10.2 15.2

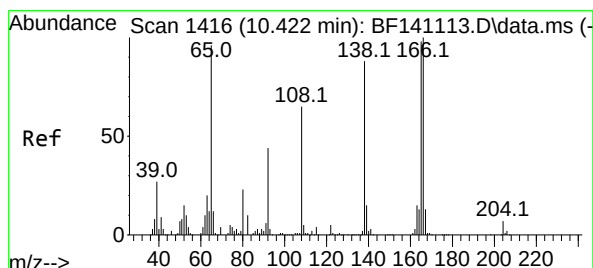
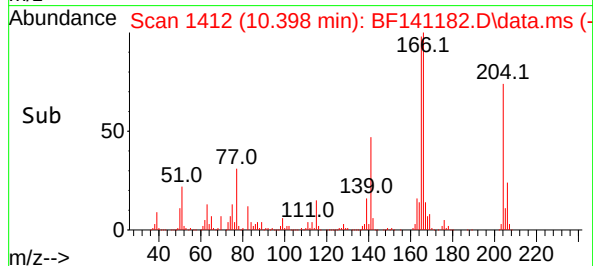
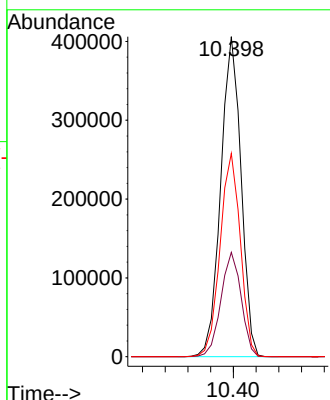
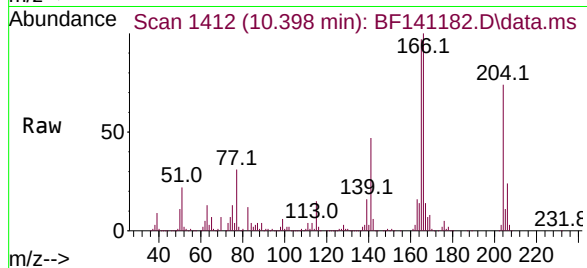




#61  
4-Chlorophenyl-phenylether  
Concen: 50.217 ng  
RT: 10.398 min Scan# 1413  
Delta R.T. -0.006 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

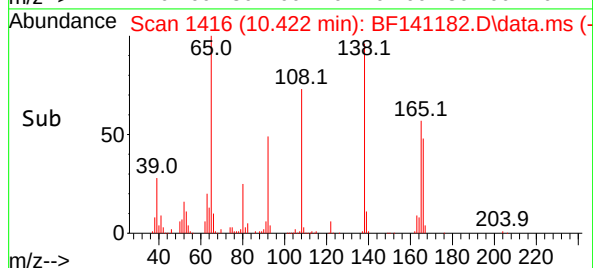
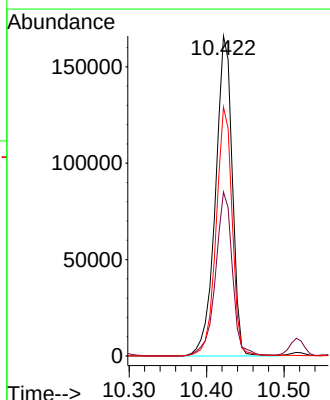
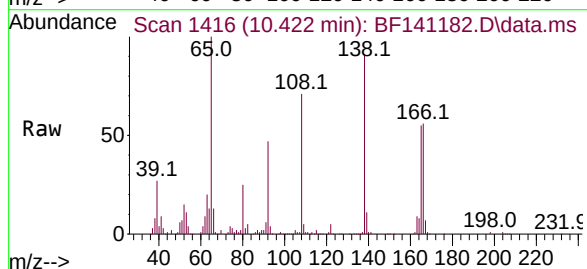
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BS

Tgt Ion:204 Resp: 503261  
Ion Ratio Lower Upper  
204 100  
206 32.6 25.9 38.9  
141 63.5 49.1 73.7

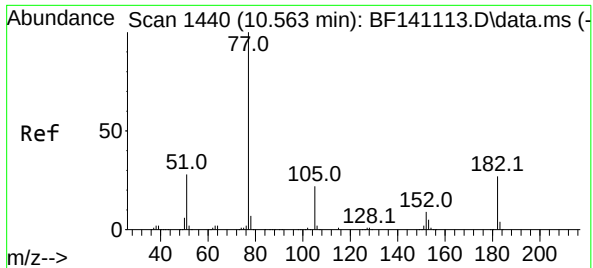


#62  
4-Nitroaniline  
Concen: 50.017 ng  
RT: 10.422 min Scan# 1416  
Delta R.T. 0.000 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

Tgt Ion:138 Resp: 250296  
Ion Ratio Lower Upper  
138 100  
92 51.3 29.4 69.4  
108 77.7 53.7 93.7



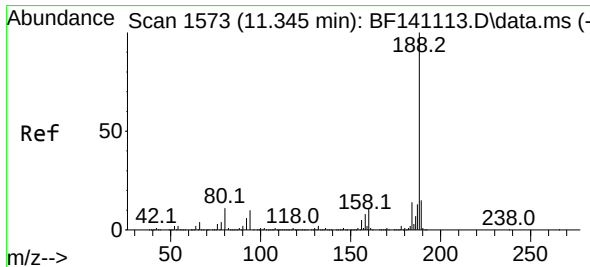
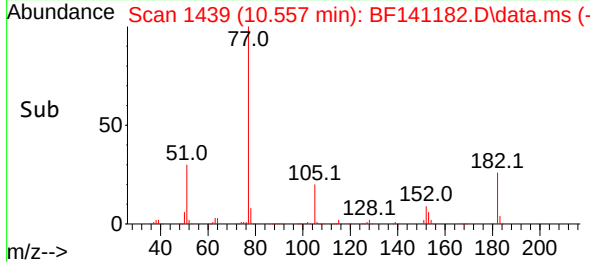
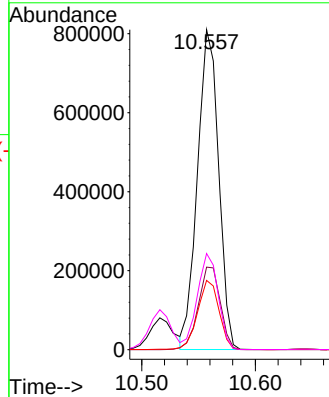
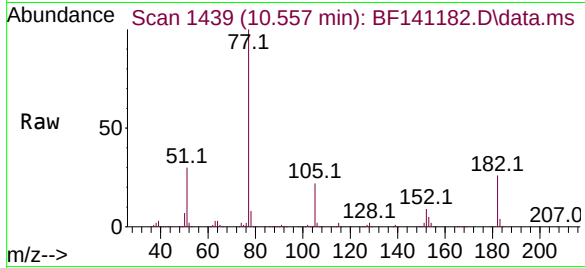




#63  
Azobenzene  
Concen: 50.356 ng  
RT: 10.557 min Scan# 1440  
Delta R.T. -0.006 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

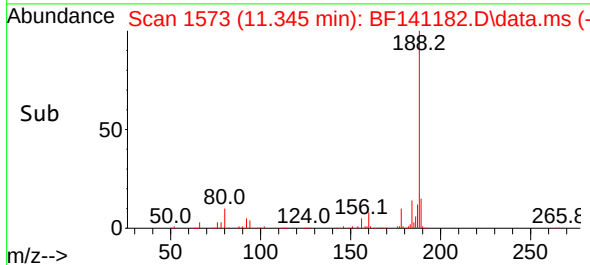
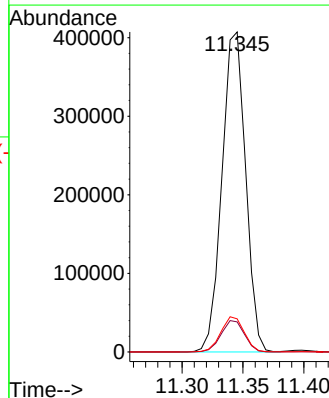
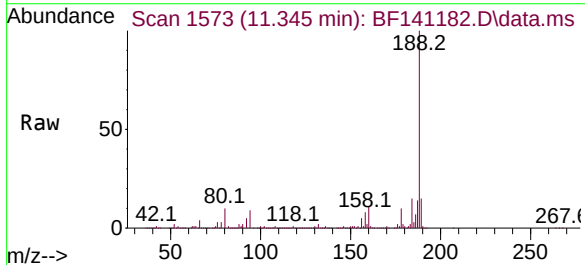
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BS

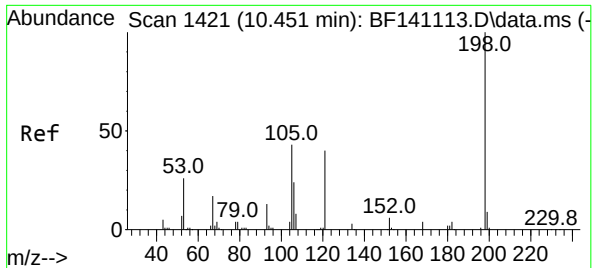
Tgt Ion: 77 Resp: 1049506  
Ion Ratio Lower Upper  
77 100  
182 25.8 6.1 46.1  
105 21.6 2.1 42.1  
51 30.1 10.0 50.0



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.345 min Scan# 1573  
Delta R.T. 0.000 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

Tgt Ion: 188 Resp: 550858  
Ion Ratio Lower Upper  
188 100  
94 9.4 8.3 12.5  
80 10.4 9.0 13.4

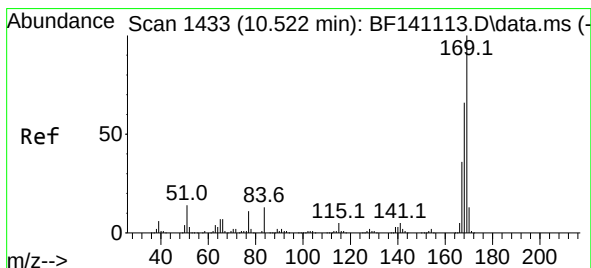
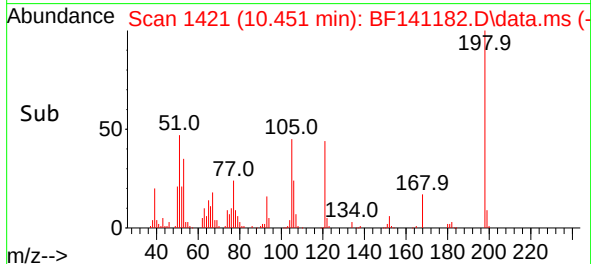
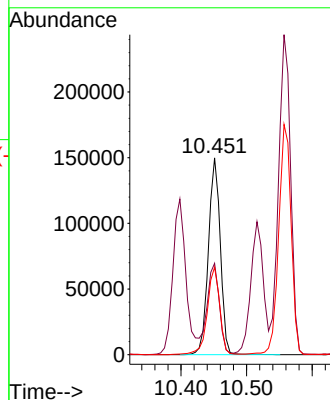
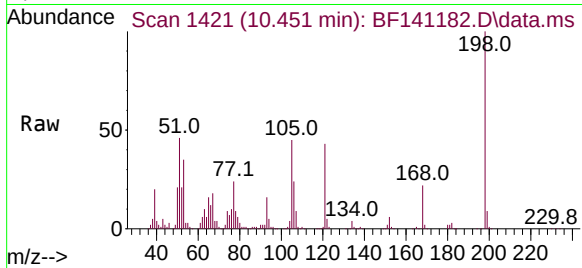




#65  
4,6-Dinitro-2-methylphenol  
Concen: 59.451 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

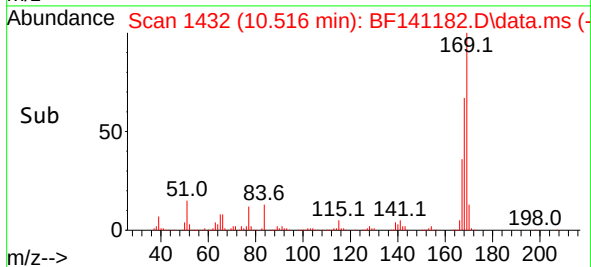
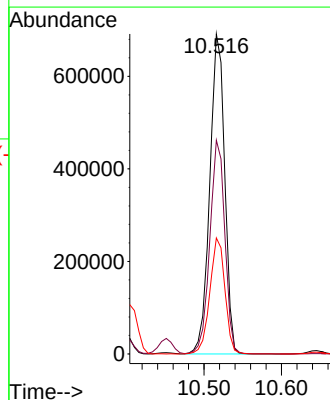
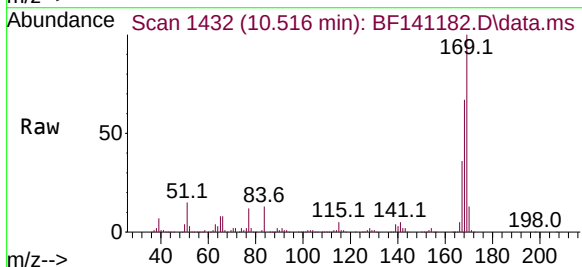
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BS

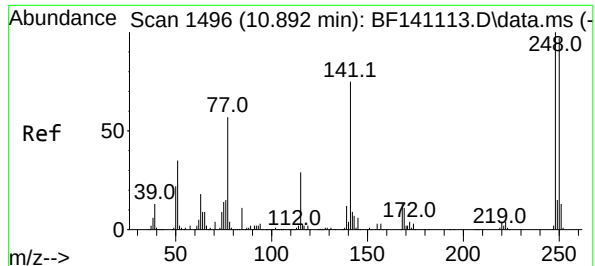
Tgt Ion:198 Resp: 189771  
Ion Ratio Lower Upper  
198 100  
51 46.4 27.1 67.1  
105 44.5 24.2 64.2



#66  
n-Nitrosodiphenylamine  
Concen: 52.022 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.006 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

Tgt Ion:169 Resp: 924303  
Ion Ratio Lower Upper  
169 100  
168 66.8 52.5 78.7  
167 36.2 28.9 43.3

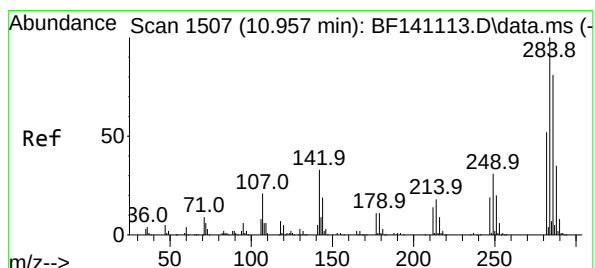
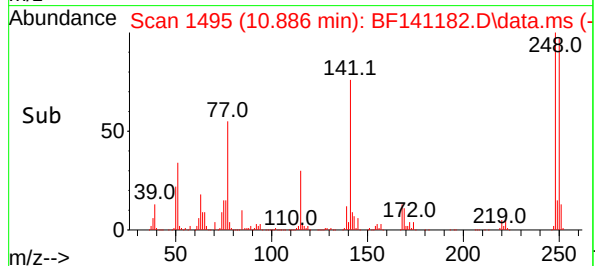
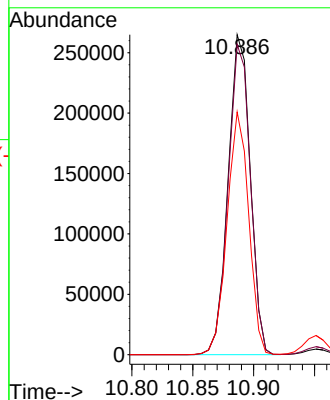
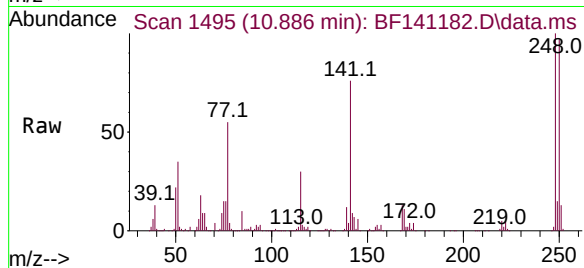




#67  
4-Bromophenyl-phenylether  
Concen: 52.849 ng  
RT: 10.886 min Scan# 1495  
Delta R.T. -0.006 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

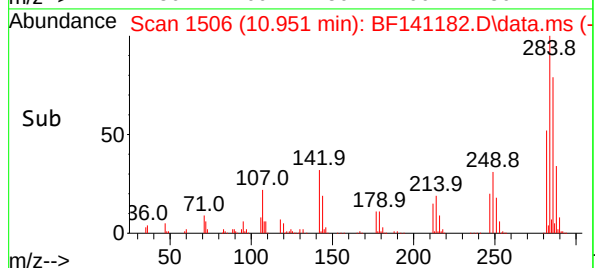
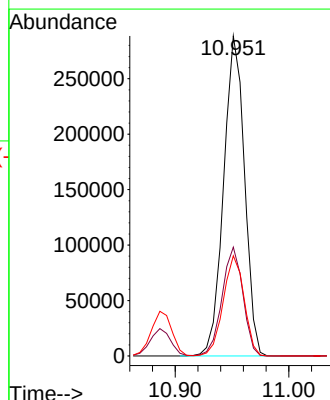
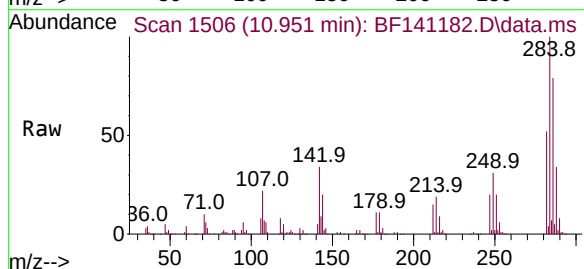
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BS

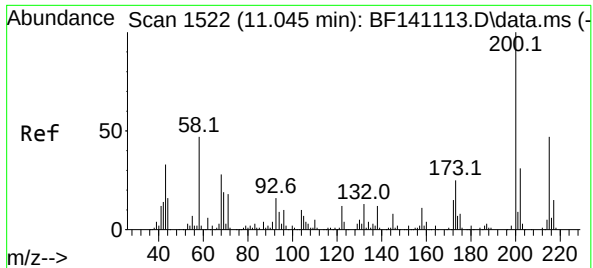
Tgt Ion:248 Resp: 335172  
Ion Ratio Lower Upper  
248 100  
250 97.0 77.9 116.9  
141 75.9 59.9 89.9



#68  
Hexachlorobenzene  
Concen: 52.245 ng  
RT: 10.951 min Scan# 1506  
Delta R.T. -0.006 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

Tgt Ion:284 Resp: 368841  
Ion Ratio Lower Upper  
284 100  
142 34.0 26.3 39.5  
249 31.3 24.9 37.3





#69

Atrazine

Concen: 68.319 ng

RT: 11.045 min Scan# 1522

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

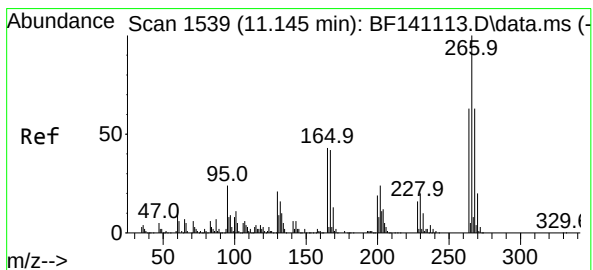
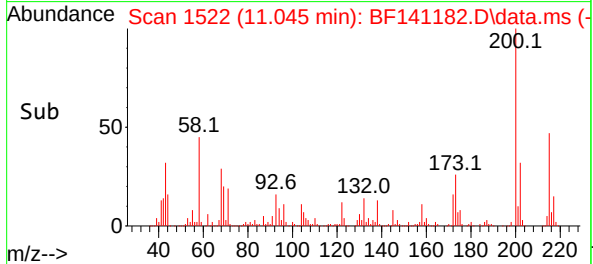
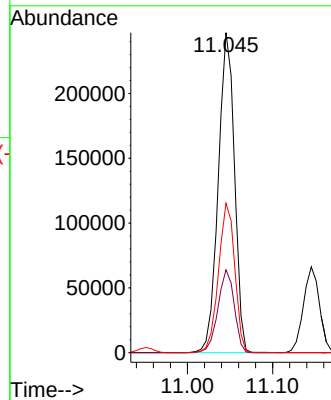
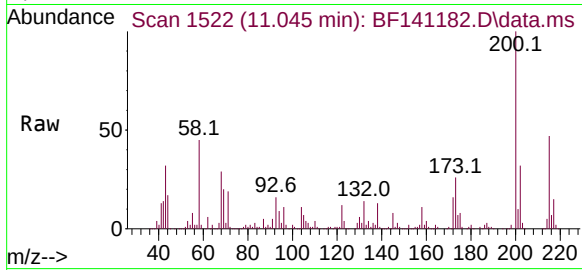
Tgt Ion:200 Resp: 326841

Ion Ratio Lower Upper

200 100

173 25.9 5.4 45.4

215 46.7 26.6 66.6



#70

Pentachlorophenol

Concen: 104.421 ng

RT: 11.145 min Scan# 1539

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

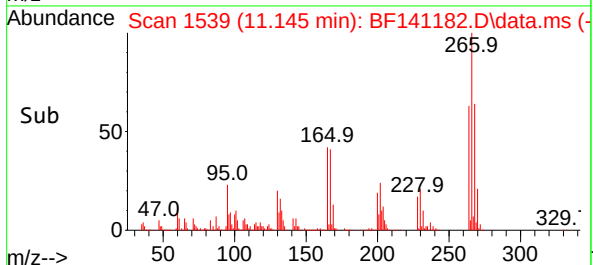
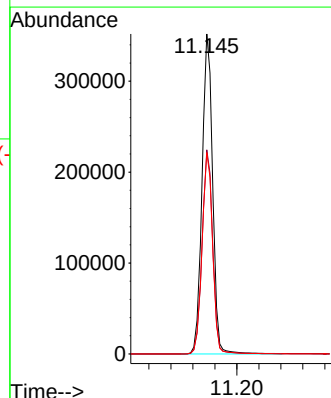
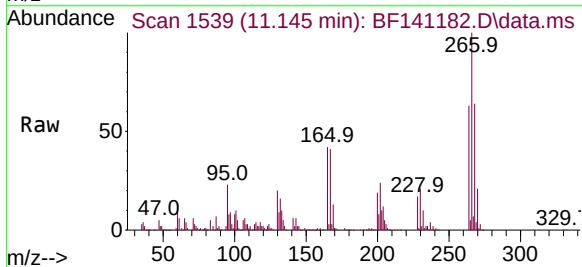
Tgt Ion:266 Resp: 472102

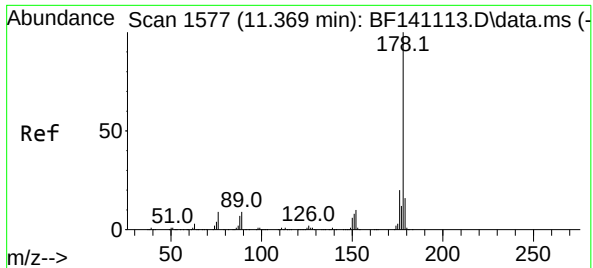
Ion Ratio Lower Upper

266 100

268 63.8 50.4 75.6

264 62.9 50.2 75.2

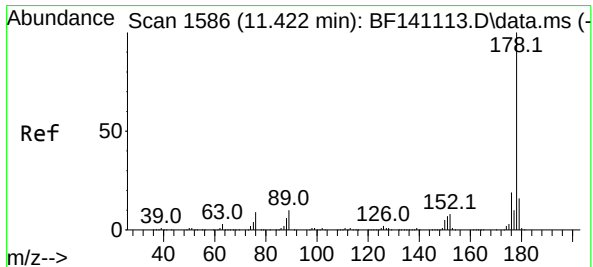
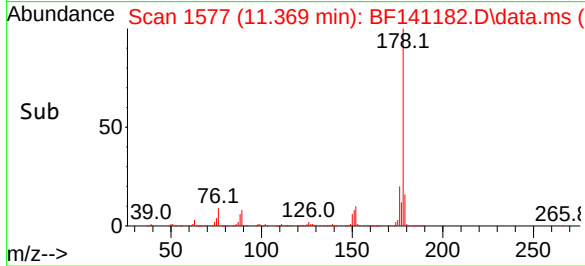
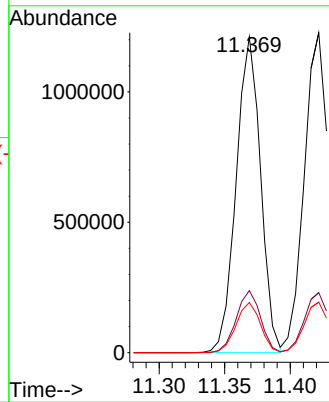
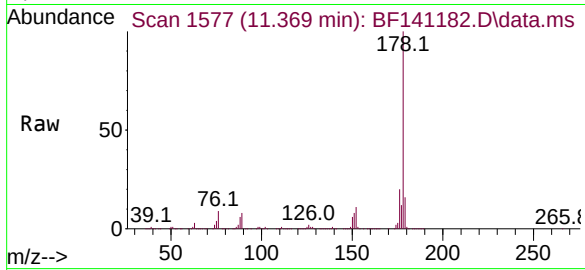




#71  
Phenanthrene  
Concen: 53.070 ng  
RT: 11.369 min Scan# 1577  
Delta R.T. 0.000 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

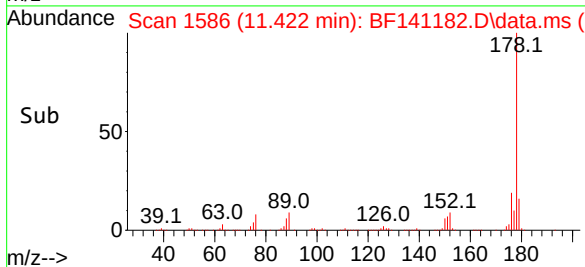
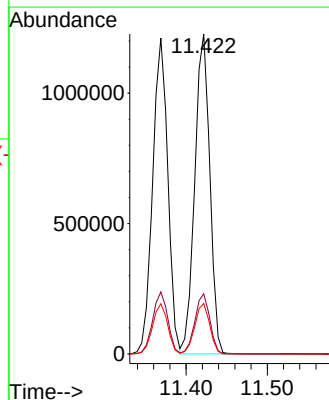
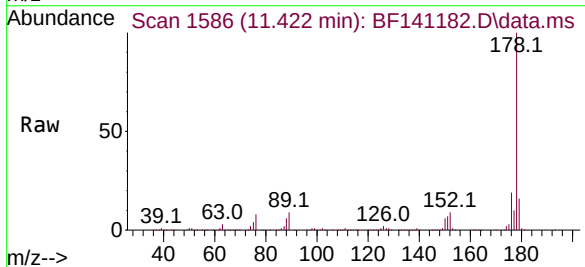
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BS

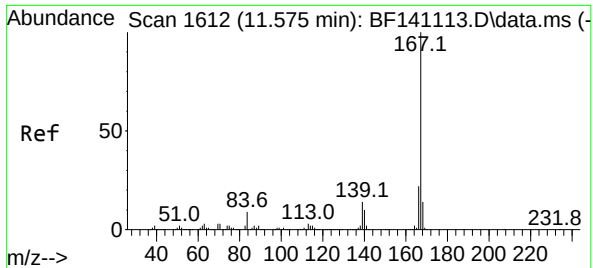
Tgt Ion:178 Resp: 1569472  
Ion Ratio Lower Upper  
178 100  
176 19.6 15.7 23.5  
179 15.9 12.6 19.0



#72  
Anthracene  
Concen: 54.975 ng  
RT: 11.422 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

Tgt Ion:178 Resp: 1580873  
Ion Ratio Lower Upper  
178 100  
176 18.8 14.9 22.3  
179 15.8 12.6 19.0



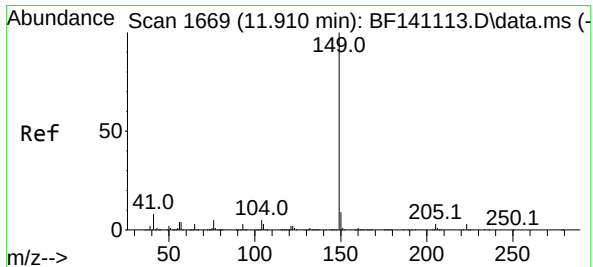
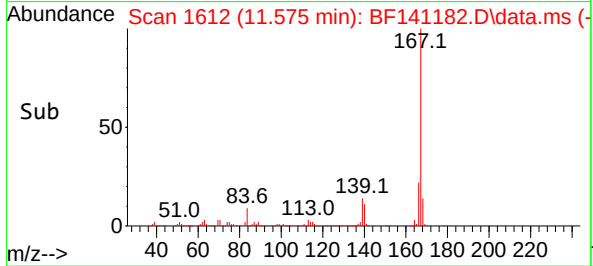
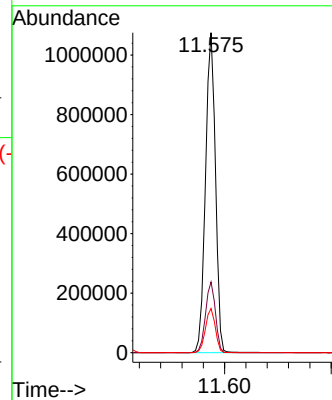
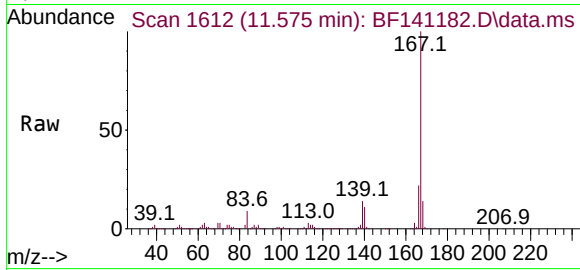


#73  
 Carbazole  
 Concen: 52.808 ng  
 RT: 11.575 min Scan# 1612  
 Delta R.T. 0.000 min  
 Lab File: BF141182.D  
 Acq: 16 Jan 2025 13:48

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166033BS

Tgt Ion:167 Resp: 1392408  

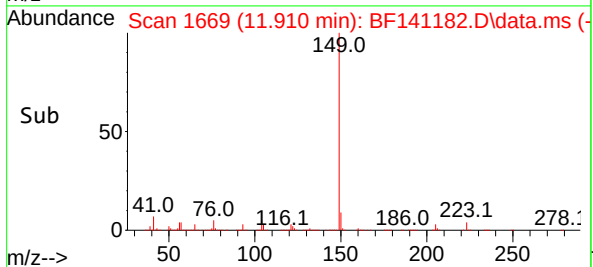
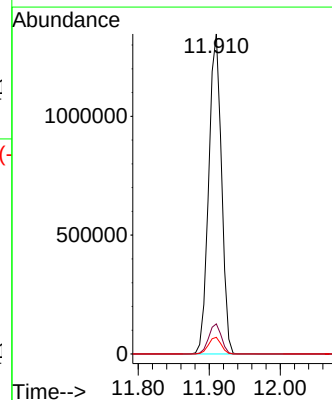
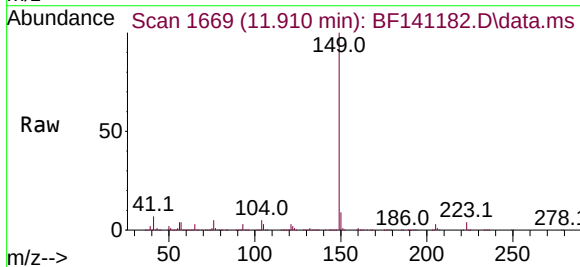
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 22.1  | 17.4  | 26.2  |
| 139 | 13.8  | 10.9  | 16.3  |

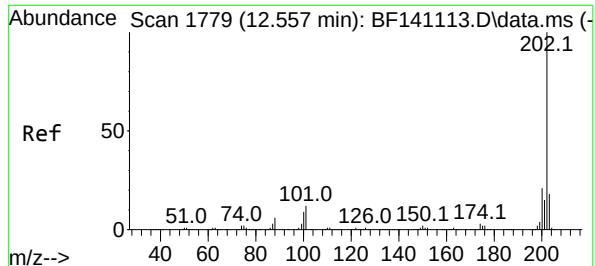


#74  
 Di-n-butylphthalate  
 Concen: 55.835 ng  
 RT: 11.910 min Scan# 1669  
 Delta R.T. 0.000 min  
 Lab File: BF141182.D  
 Acq: 16 Jan 2025 13:48

Tgt Ion:149 Resp: 1684836  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.4   | 7.4   | 11.2  |
| 104 | 5.2   | 4.2   | 6.2   |

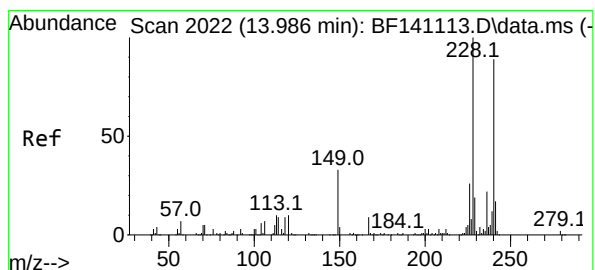
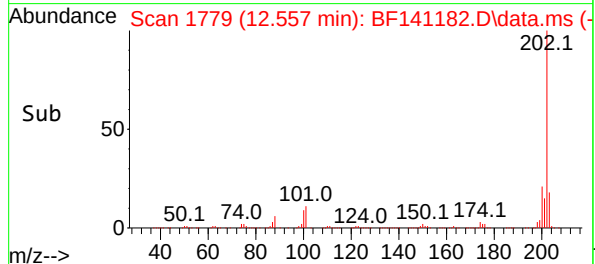
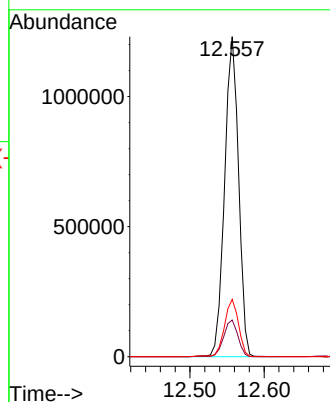
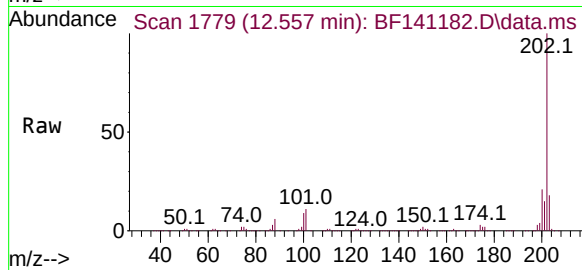




#75  
Fluoranthene  
Concen: 54.558 ng  
RT: 12.557 min Scan# 1779  
Delta R.T. 0.000 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

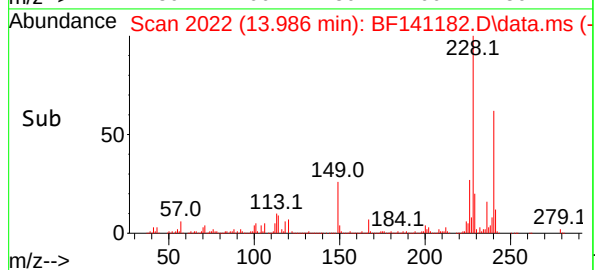
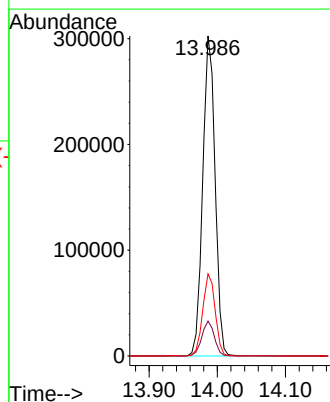
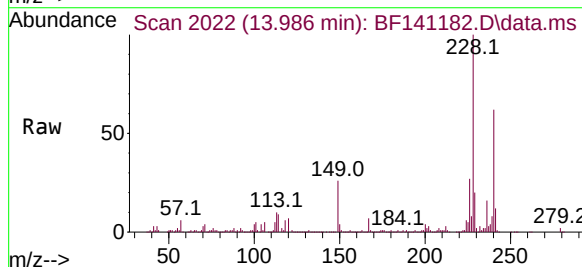
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BS

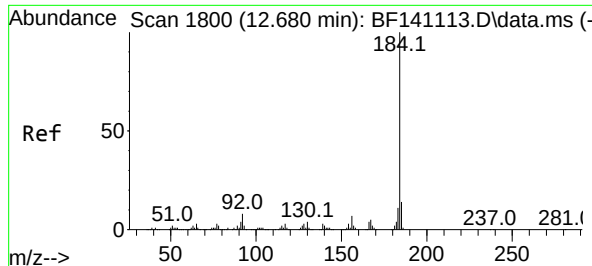
Tgt Ion:202 Resp: 1610105  
Ion Ratio Lower Upper  
202 100  
101 11.4 0.0 32.3  
203 17.9 0.0 37.7



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.986 min Scan# 2022  
Delta R.T. 0.000 min  
Lab File: BF141182.D  
Acq: 16 Jan 2025 13:48

Tgt Ion:240 Resp: 381753  
Ion Ratio Lower Upper  
240 100  
120 10.9 9.1 13.7  
236 25.7 19.8 29.6





#77

Benzidine

Concen: 59.168 ng

RT: 12.675 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

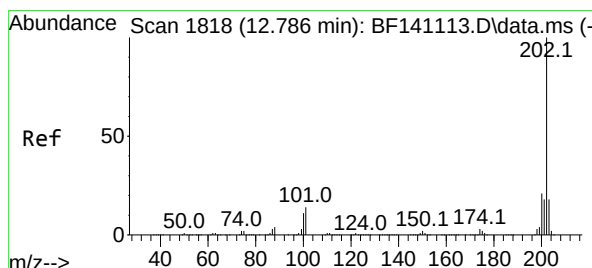
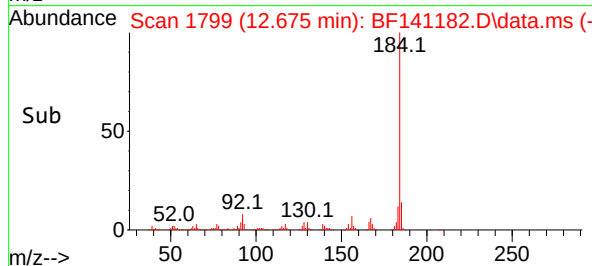
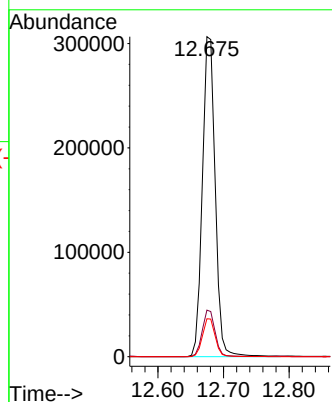
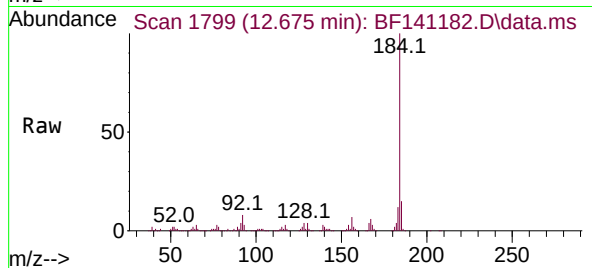
Tgt Ion:184 Resp: 418869

Ion Ratio Lower Upper

184 100

185 14.6 11.4 17.0

183 11.8 9.2 13.8



#78

Pyrene

Concen: 45.389 ng

RT: 12.786 min Scan# 1818

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

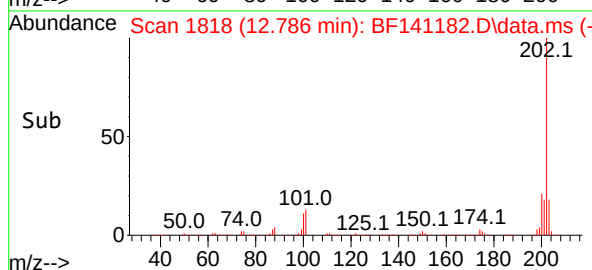
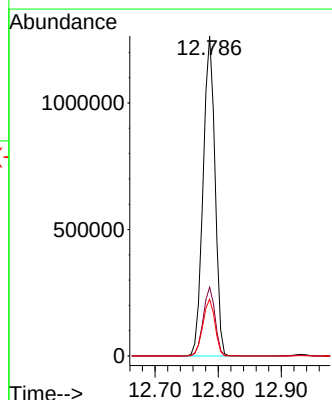
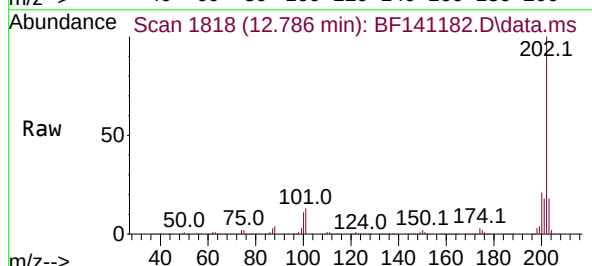
Tgt Ion:202 Resp: 1654989

Ion Ratio Lower Upper

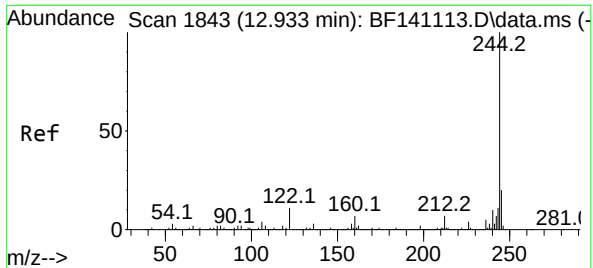
202 100

200 21.5 16.8 25.2

203 17.8 14.3 21.5







#79

Terphenyl-d14

Concen: 90.961 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

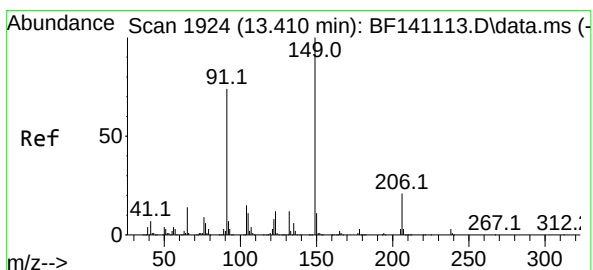
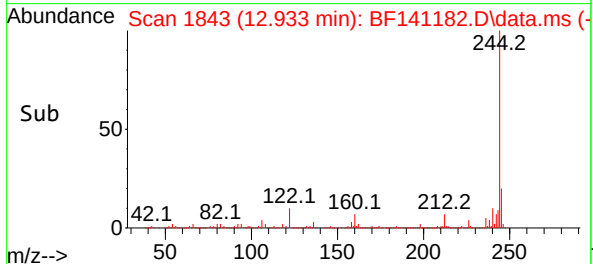
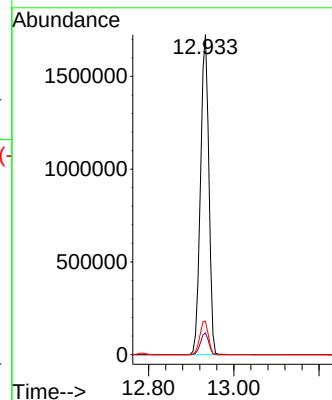
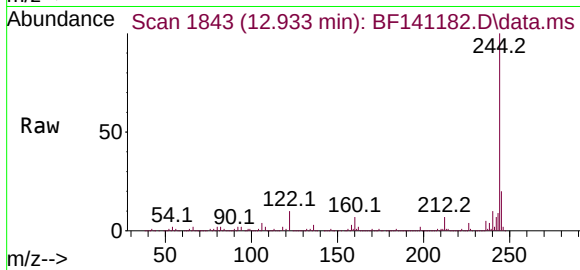
Tgt Ion:244 Resp: 2336295

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

122 10.5 8.8 13.2



#80

Butylbenzylphthalate

Concen: 54.282 ng

RT: 13.410 min Scan# 1924

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

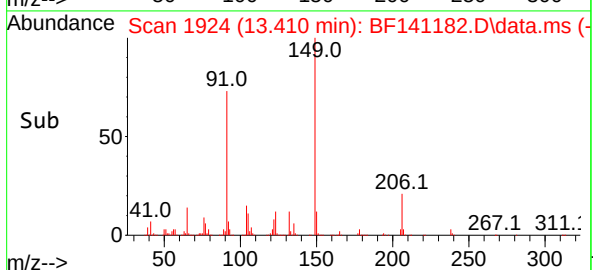
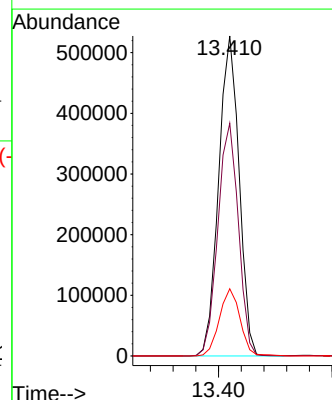
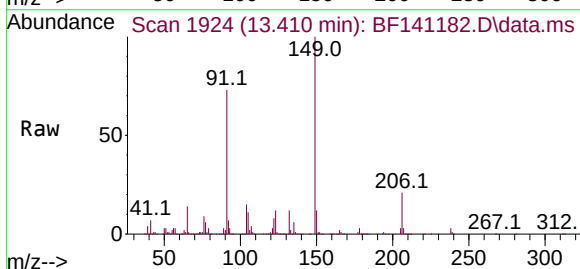
Tgt Ion:149 Resp: 659894

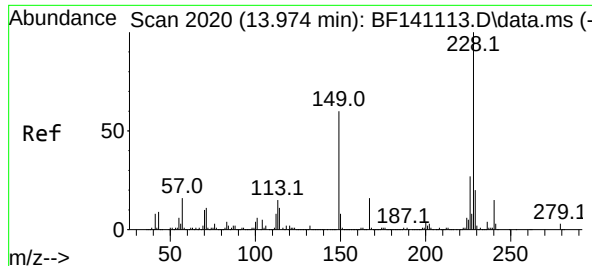
Ion Ratio Lower Upper

149 100

91 72.7 59.0 88.6

206 21.0 16.5 24.7





#81

Benzo(a)anthracene

Concen: 50.506 ng

RT: 13.974 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

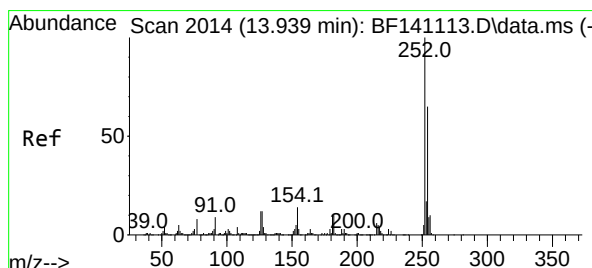
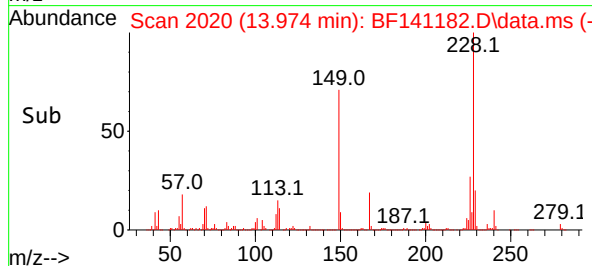
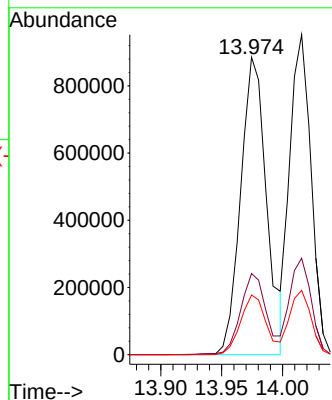
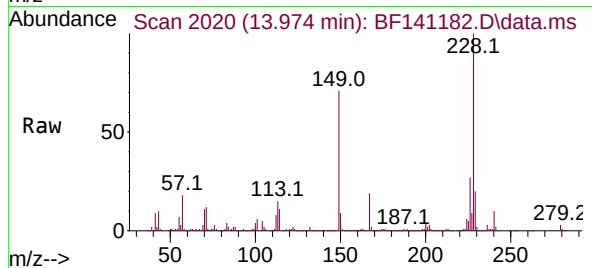
Tgt Ion:228 Resp: 1312176

Ion Ratio Lower Upper

228 100

226 27.3 21.7 32.5

229 20.1 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 28.130 ng

RT: 13.939 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

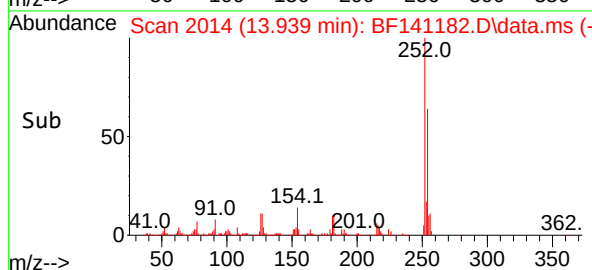
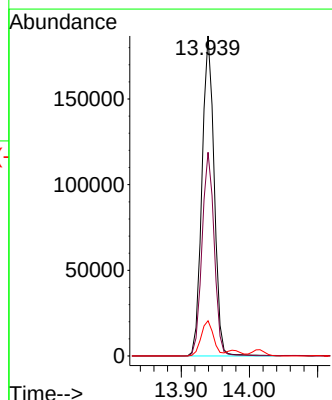
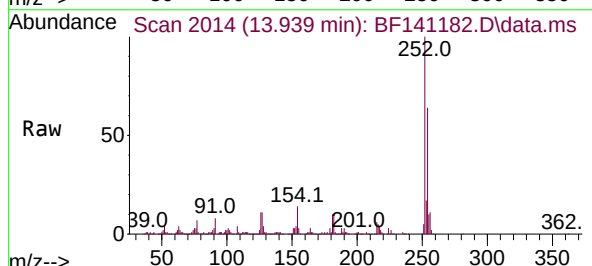
Tgt Ion:252 Resp: 232711

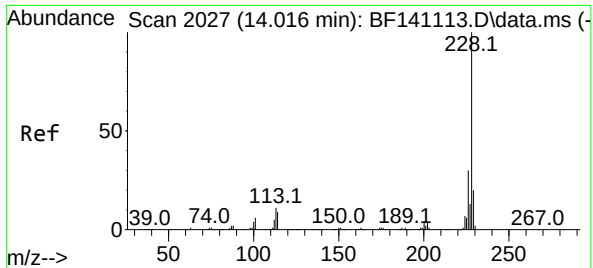
Ion Ratio Lower Upper

252 100

254 63.7 52.0 78.0

126 11.0 9.4 14.0





#83

Chrysene

Concen: 47.827 ng

RT: 14.016 min Scan# 2027

Delta R.T. 0.000 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

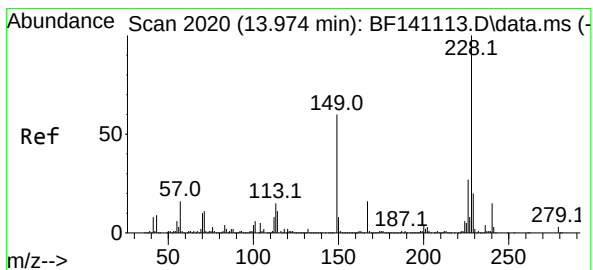
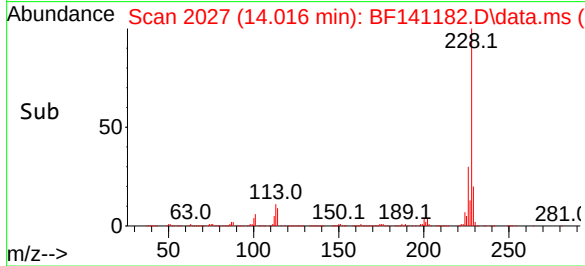
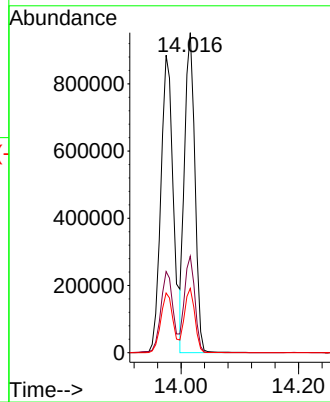
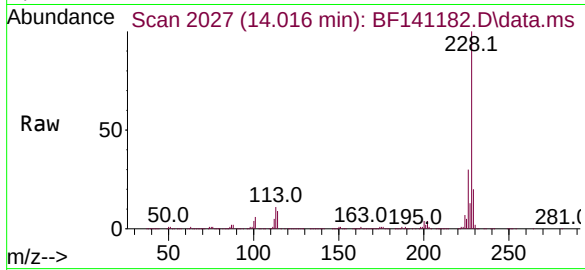
Tgt Ion:228 Resp: 1162658

Ion Ratio Lower Upper

228 100

226 30.2 23.8 35.8

229 20.1 15.8 23.8



#84

Bis(2-ethylhexyl)phthalate

Concen: 57.827 ng

RT: 13.969 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

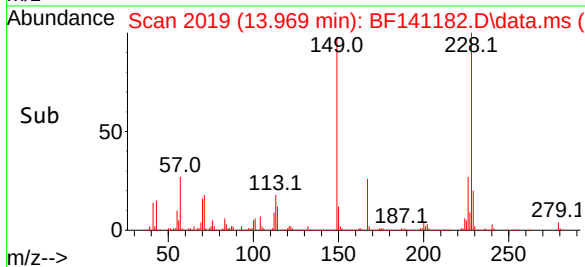
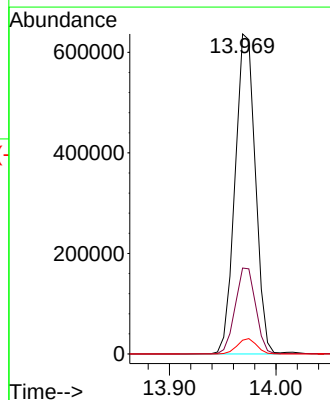
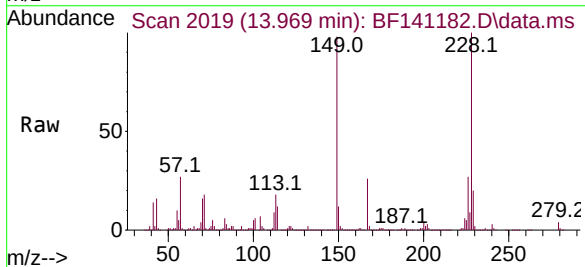
Tgt Ion:149 Resp: 843490

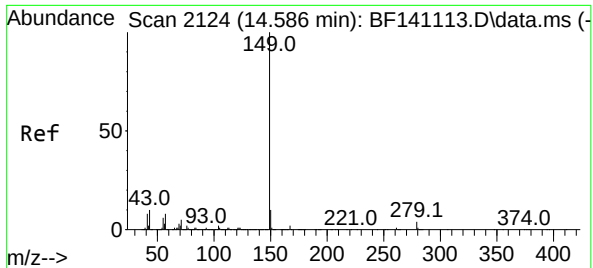
Ion Ratio Lower Upper

149 100

167 26.8 21.4 32.2

279 4.3 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 60.126 ng

RT: 14.592 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

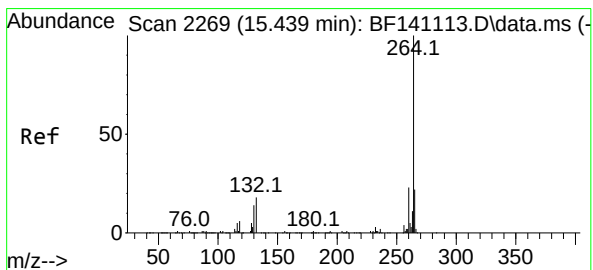
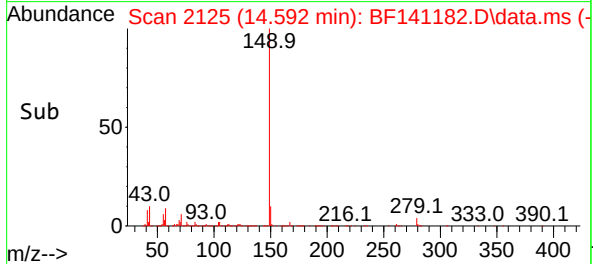
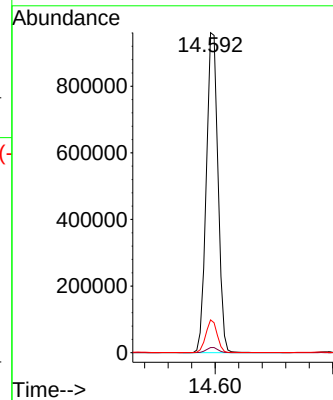
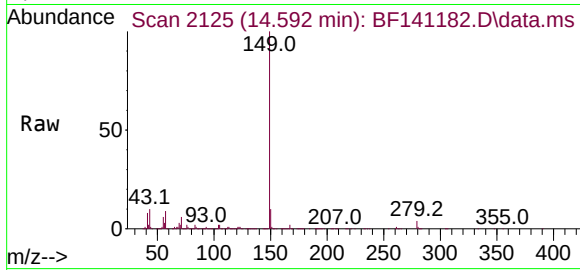
Tgt Ion:149 Resp: 1324367

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: 15.451 min Scan# 2271

Delta R.T. 0.012 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

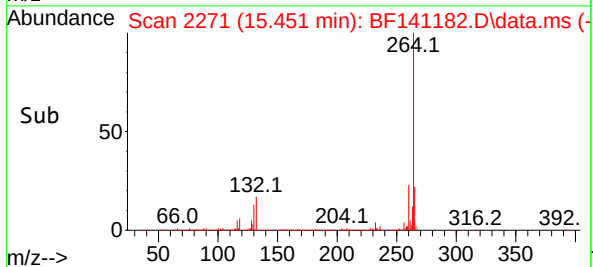
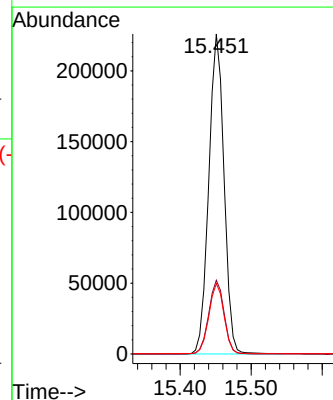
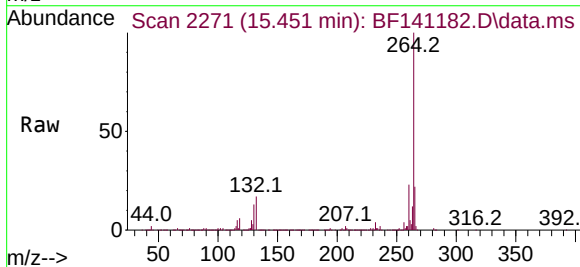
Tgt Ion:264 Resp: 337646

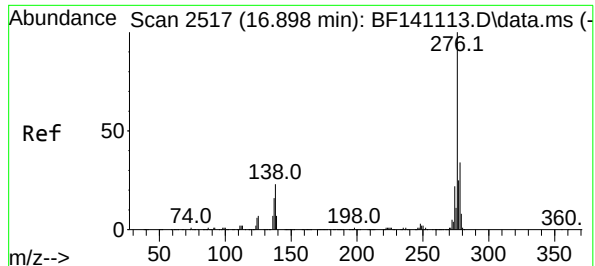
Ion Ratio Lower Upper

264 100

260 23.1 18.6 28.0

265 22.0 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.489 ng

RT: 16.915 min Scan# 2199

Delta R.T. 0.018 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

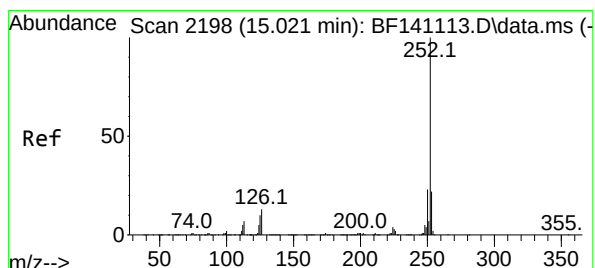
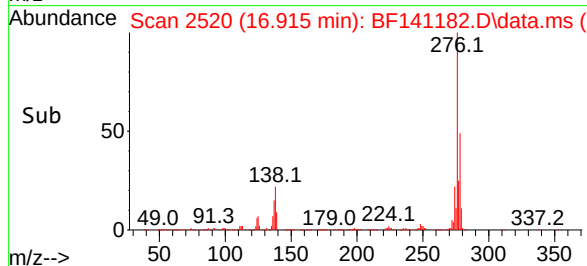
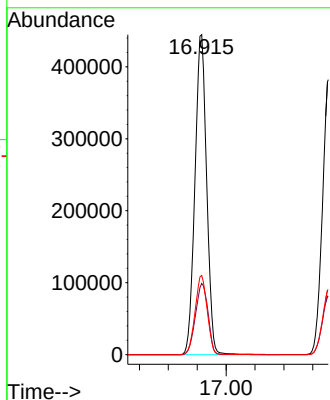
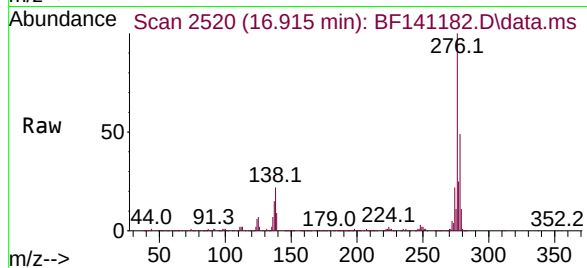
Tgt Ion:276 Resp: 1248936

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: 53.238 ng

RT: 15.027 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

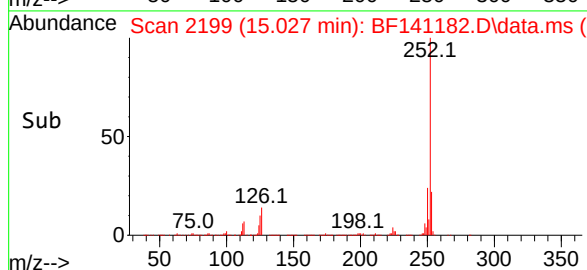
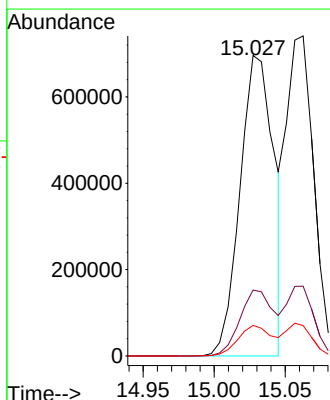
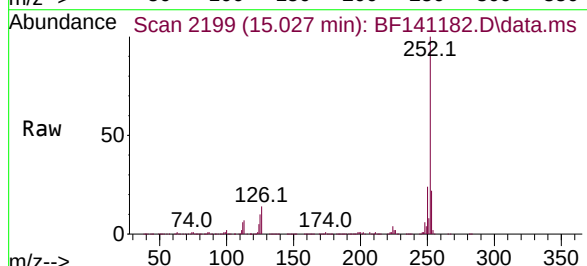
Tgt Ion:252 Resp: 1159129

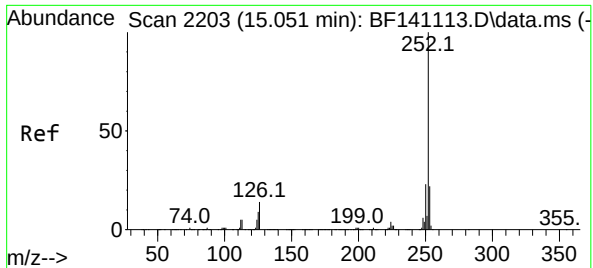
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 10.2 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 53.989 ng

RT: 15.063 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

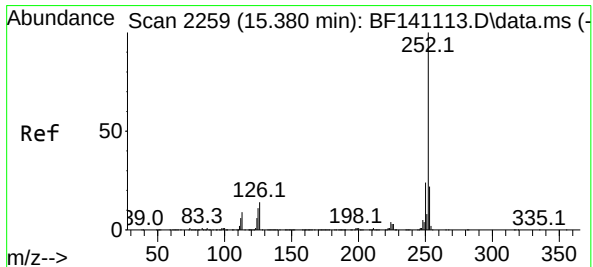
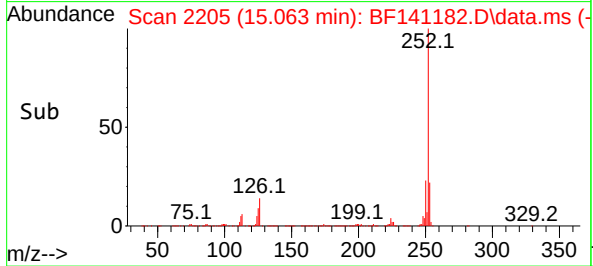
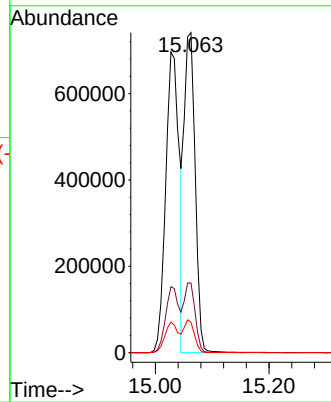
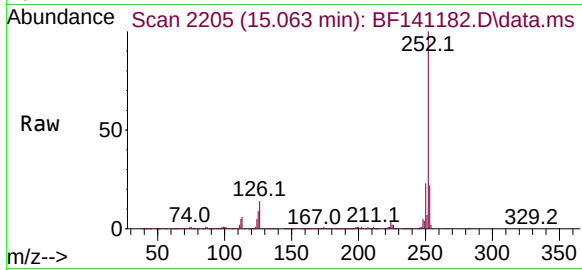
Tgt Ion:252 Resp: 993385

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

125 9.5 7.9 11.9



#90

Benzo(a)pyrene

Concen: 56.031 ng

RT: 15.392 min Scan# 2261

Delta R.T. 0.012 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

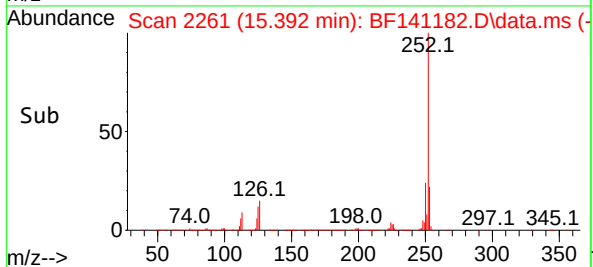
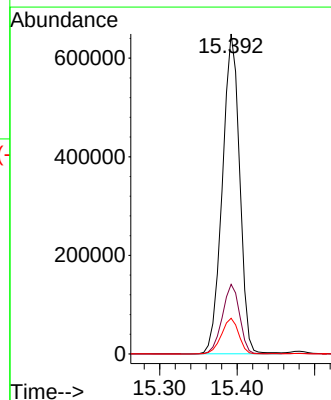
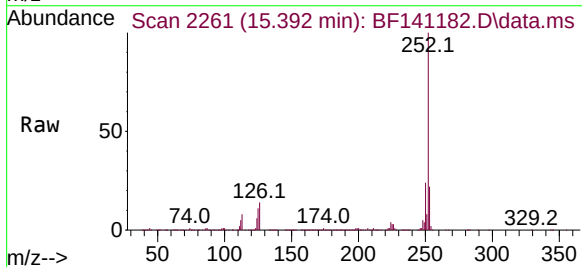
Tgt Ion:252 Resp: 1006508

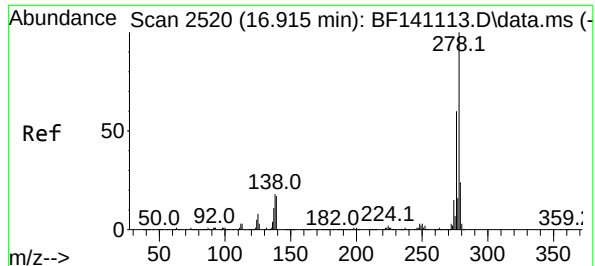
Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

125 11.2 9.1 13.7





#91

Dibenzo(a,h)anthracene

Concen: 50.482 ng

RT: 16.933 min Scan# 2523

Delta R.T. 0.018 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

Instrument :

BNA\_F

ClientSampleId :

PB166033BS

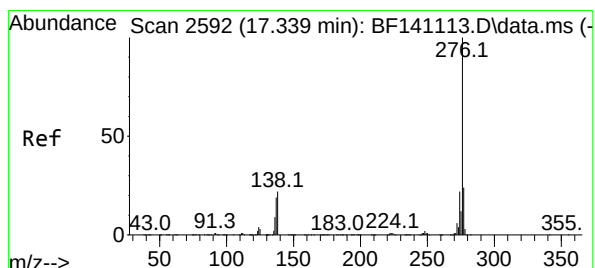
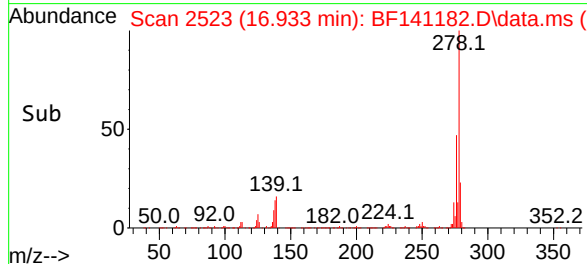
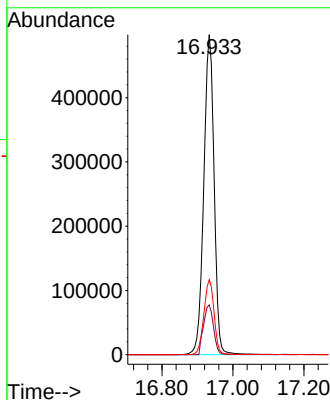
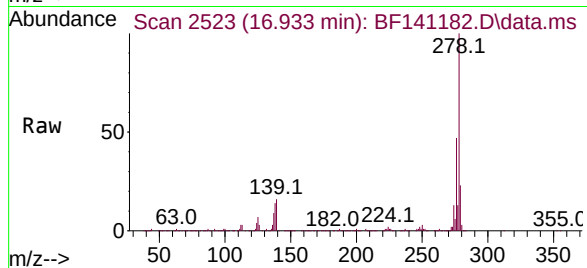
Tgt Ion:278 Resp: 1010009

Ion Ratio Lower Upper

278 100

139 15.6 13.8 20.6

279 23.4 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 44.900 ng

RT: 17.357 min Scan# 2595

Delta R.T. 0.018 min

Lab File: BF141182.D

Acq: 16 Jan 2025 13:48

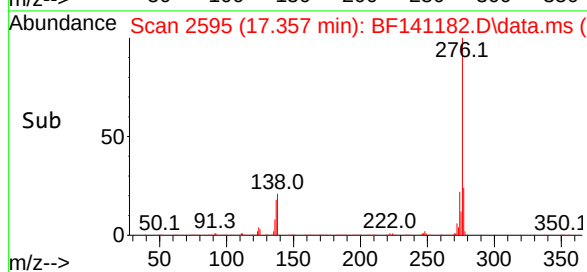
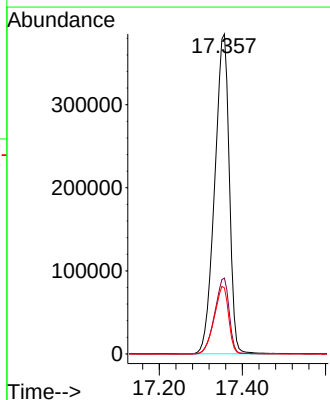
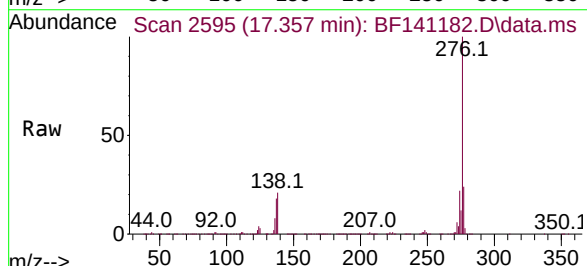
Tgt Ion:276 Resp: 934397

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.4

138 20.7 17.4 26.2



## Report of Analysis

|                    |                        |                 |                   |
|--------------------|------------------------|-----------------|-------------------|
| Client:            | Ardmore Chemical       | Date Collected: |                   |
| Project:           | PVSC Monthly 2025      | Date Received:  |                   |
| Client Sample ID:  | PB166033BSD            | SDG No.:        | Q1066             |
| Lab Sample ID:     | PB166033BSD            | Matrix:         | Water             |
| Analytical Method: | 625.1                  | % Solid:        | 0                 |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL      |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOCMS Group1     |
| Extraction Type :  | Decanted :    N        | Level :         | LOW               |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N            PH : |
| Prep Method :      | 3510C                  |                 |                   |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141183.D        | 1         | 01/13/25 08:22 | 01/16/25 14:14 | PB166033      |

| CAS Number     | Parameter                   | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|-----------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                             |       |           |      |            |       |
| 62-75-9        | n-Nitrosodimethylamine      | 48.7  |           | 1.00 | 10.0       | ug/L  |
| 108-95-2       | Phenol                      | 49.9  |           | 0.93 | 5.00       | ug/L  |
| 111-44-4       | bis(2-Chloroethyl)ether     | 50.3  |           | 1.20 | 5.00       | ug/L  |
| 95-57-8        | 2-Chlorophenol              | 51.9  |           | 0.71 | 5.00       | ug/L  |
| 108-60-1       | 2,2-oxybis(1-Chloropropane) | 49.9  |           | 1.40 | 5.00       | ug/L  |
| 621-64-7       | n-Nitroso-di-n-propylamine  | 51.2  |           | 1.50 | 5.00       | ug/L  |
| 67-72-1        | Hexachloroethane            | 49.5  |           | 1.00 | 5.00       | ug/L  |
| 98-95-3        | Nitrobenzene                | 47.5  |           | 1.30 | 5.00       | ug/L  |
| 78-59-1        | Isophorone                  | 52.4  |           | 1.10 | 5.00       | ug/L  |
| 88-75-5        | 2-Nitrophenol               | 52.6  |           | 2.00 | 5.00       | ug/L  |
| 105-67-9       | 2,4-Dimethylphenol          | 61.0  |           | 1.50 | 5.00       | ug/L  |
| 111-91-1       | bis(2-Chloroethoxy)methane  | 50.2  |           | 1.00 | 5.00       | ug/L  |
| 120-83-2       | 2,4-Dichlorophenol          | 52.3  |           | 0.88 | 5.00       | ug/L  |
| 120-82-1       | 1,2,4-Trichlorobenzene      | 47.7  |           | 1.10 | 5.00       | ug/L  |
| 91-20-3        | Naphthalene                 | 49.4  |           | 1.00 | 5.00       | ug/L  |
| 87-68-3        | Hexachlorobutadiene         | 49.2  |           | 1.30 | 5.00       | ug/L  |
| 59-50-7        | 4-Chloro-3-methylphenol     | 52.7  |           | 0.84 | 5.00       | ug/L  |
| 77-47-4        | Hexachlorocyclopentadiene   | 200   | E         | 5.00 | 10.0       | ug/L  |
| 88-06-2        | 2,4,6-Trichlorophenol       | 53.7  |           | 0.89 | 5.00       | ug/L  |
| 91-58-7        | 2-Chloronaphthalene         | 48.3  |           | 0.97 | 5.00       | ug/L  |
| 131-11-3       | Dimethylphthalate           | 52.6  |           | 0.93 | 5.00       | ug/L  |
| 208-96-8       | Acenaphthylene              | 53.2  |           | 1.00 | 5.00       | ug/L  |
| 606-20-2       | 2,6-Dinitrotoluene          | 50.0  |           | 1.20 | 5.00       | ug/L  |
| 83-32-9        | Acenaphthene                | 57.1  |           | 0.81 | 5.00       | ug/L  |
| 51-28-5        | 2,4-Dinitrophenol           | 120   | E         | 6.40 | 10.0       | ug/L  |
| 100-02-7       | 4-Nitrophenol               | 110   | E         | 2.00 | 10.0       | ug/L  |
| 121-14-2       | 2,4-Dinitrotoluene          | 53.7  |           | 1.50 | 5.00       | ug/L  |
| 84-66-2        | Diethylphthalate            | 52.7  |           | 1.00 | 5.00       | ug/L  |
| 7005-72-3      | 4-Chlorophenyl-phenylether  | 50.9  |           | 0.98 | 5.00       | ug/L  |



## Report of Analysis

|                    |                        |                 |               |
|--------------------|------------------------|-----------------|---------------|
| Client:            | Ardmore Chemical       | Date Collected: |               |
| Project:           | PVSC Monthly 2025      | Date Received:  |               |
| Client Sample ID:  | PB166033BSD            | SDG No.:        | Q1066         |
| Lab Sample ID:     | PB166033BSD            | Matrix:         | Water         |
| Analytical Method: | 625.1                  | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N        | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N      PH :   |
| Prep Method :      | 3510C                  |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141183.D        | 1         | 01/13/25 08:22 | 01/16/25 14:14 | PB166033      |

| CAS Number | Parameter                  | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|------------|----------------------------|-------|-----------|------|------------|-------|
| 86-73-7    | Fluorene                   | 50.6  |           | 0.96 | 5.00       | ug/L  |
| 534-52-1   | 4,6-Dinitro-2-methylphenol | 62.5  |           | 3.10 | 10.0       | ug/L  |
| 86-30-6    | n-Nitrosodiphenylamine     | 52.5  |           | 0.89 | 5.00       | ug/L  |
| 103-33-3   | Azobenzene                 | 51.5  |           | 1.20 | 5.00       | ug/L  |
| 101-55-3   | 4-Bromophenyl-phenylether  | 53.2  |           | 0.95 | 5.00       | ug/L  |
| 118-74-1   | Hexachlorobenzene          | 52.8  |           | 1.10 | 5.00       | ug/L  |
| 87-86-5    | Pentachlorophenol          | 110   | E         | 1.90 | 10.0       | ug/L  |
| 85-01-8    | Phenanthrene               | 53.2  |           | 0.89 | 5.00       | ug/L  |
| 120-12-7   | Anthracene                 | 56.1  |           | 1.10 | 5.00       | ug/L  |
| 84-74-2    | Di-n-butylphthalate        | 56.6  |           | 1.50 | 5.00       | ug/L  |
| 206-44-0   | Fluoranthene               | 56.9  |           | 1.30 | 5.00       | ug/L  |
| 92-87-5    | Benzidine                  | 60.0  |           | 4.10 | 10.0       | ug/L  |
| 129-00-0   | Pyrene                     | 44.6  |           | 1.10 | 5.00       | ug/L  |
| 85-68-7    | Butylbenzylphthalate       | 55.1  |           | 2.10 | 5.00       | ug/L  |
| 91-94-1    | 3,3-Dichlorobenzidine      | 28.9  |           | 1.30 | 10.0       | ug/L  |
| 56-55-3    | Benzo(a)anthracene         | 52.3  |           | 0.94 | 5.00       | ug/L  |
| 218-01-9   | Chrysene                   | 49.2  |           | 0.86 | 5.00       | ug/L  |
| 117-81-7   | Bis(2-ethylhexyl)phthalate | 59.2  |           | 1.90 | 5.00       | ug/L  |
| 117-84-0   | Di-n-octyl phthalate       | 62.5  |           | 2.50 | 10.0       | ug/L  |
| 205-99-2   | Benzo(b)fluoranthene       | 50.6  |           | 1.10 | 5.00       | ug/L  |
| 207-08-9   | Benzo(k)fluoranthene       | 60.1  |           | 1.20 | 5.00       | ug/L  |
| 50-32-8    | Benzo(a)pyrene             | 56.7  |           | 1.70 | 5.00       | ug/L  |
| 193-39-5   | Indeno(1,2,3-cd)pyrene     | 49.9  |           | 1.00 | 5.00       | ug/L  |
| 53-70-3    | Dibenzo(a,h)anthracene     | 49.4  |           | 1.20 | 5.00       | ug/L  |
| 191-24-2   | Benzo(g,h,i)perylene       | 44.3  |           | 1.20 | 5.00       | ug/L  |

**SURROGATES**

|            |                  |      |          |     |          |
|------------|------------------|------|----------|-----|----------|
| 367-12-4   | 2-Fluorophenol   | 93.4 | 60 - 140 | 93% | SPK: 100 |
| 13127-88-3 | Phenol-d6        | 92.9 | 60 - 140 | 93% | SPK: 100 |
| 4165-60-0  | Nitrobenzene-d5  | 96.0 | 60 - 140 | 96% | SPK: 100 |
| 321-60-8   | 2-Fluorobiphenyl | 95.5 | 60 - 140 | 96% | SPK: 100 |

## Report of Analysis

|                    |                        |                 |               |
|--------------------|------------------------|-----------------|---------------|
| Client:            | Ardmore Chemical       | Date Collected: |               |
| Project:           | PVSC Monthly 2025      | Date Received:  |               |
| Client Sample ID:  | PB166033BSD            | SDG No.:        | Q1066         |
| Lab Sample ID:     | PB166033BSD            | Matrix:         | Water         |
| Analytical Method: | 625.1                  | % Solid:        | 0             |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL  |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOCMS Group1 |
| Extraction Type :  | Decanted :    N        | Level :         | LOW           |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N      PH :   |
| Prep Method :      | 3510C                  |                 |               |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141183.D        | 1         | 01/13/25 08:22 | 01/16/25 14:14 | PB166033      |

| CAS Number | Parameter            | Conc. | Qualifier | MDL      | LOQ / CRQL | Units    |
|------------|----------------------|-------|-----------|----------|------------|----------|
| 118-79-6   | 2,4,6-Tribromophenol | 106   |           | 60 - 140 | 106%       | SPK: 100 |
| 1718-51-0  | Terphenyl-d14        | 90.4  |           | 60 - 140 | 90%        | SPK: 100 |

### INTERNAL STANDARDS

|            |                        |        |        |
|------------|------------------------|--------|--------|
| 3855-82-1  | 1,4-Dichlorobenzene-d4 | 145000 | 6.816  |
| 1146-65-2  | Naphthalene-d8         | 580000 | 8.098  |
| 15067-26-2 | Acenaphthene-d10       | 316000 | 9.857  |
| 1517-22-2  | Phenanthrene-d10       | 547000 | 11.345 |
| 1719-03-5  | Chrysene-d12           | 396000 | 13.986 |
| 1520-96-3  | Perylene-d12           | 345000 | 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\BF011625\  
 Data File : BF141183.D  
 Acq On : 16 Jan 2025 14:14  
 Operator : RC/JU  
 Sample : PB166033BSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166033BSD

Quant Time: Jan 16 14:37:18 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  | 145451   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.098  | 136  | 579745   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.857  | 164  | 316390   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.345 | 188  | 547331   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 13.986 | 240  | 396431   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.445 | 264  | 344702   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.428  | 112  | 879028   | 93.360  | ng    | 0.00     |
| 7) Phenol-d6                  | 6.440  | 99   | 1107780  | 92.882  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.381  | 82   | 1049765  | 95.984  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.645 | 330  | 380897   | 105.656 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.175  | 172  | 1979294  | 95.530  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.933 | 244  | 2411012  | 90.394  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.634  | 88   | 173956   | 41.489  | ng    | 99       |
| 3) Pyridine                   | 3.369  | 79   | 447067   | 43.481  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.322  | 42   | 245009   | 48.734  | ng    | 99       |
| 6) Aniline                    | 6.475  | 93   | 433160   | 40.907  | ng    | 97       |
| 8) 2-Chlorophenol             | 6.598  | 128  | 524096   | 51.882  | ng    | 97       |
| 9) Benzaldehyde               | 6.363  | 77   | 171327   | 24.390  | ng    | 97       |
| 10) Phenol                    | 6.457  | 94   | 637164   | 49.907  | ng    | 96       |
| 11) bis(2-Chloroethyl)ether   | 6.551  | 93   | 478677   | 50.309  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 6.751  | 146  | 535825   | 47.559  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 6.834  | 146  | 546982   | 48.178  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 6.981  | 146  | 522667   | 49.353  | ng    | 98       |
| 15) Benzyl Alcohol            | 6.957  | 79   | 456712   | 53.025  | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.093  | 45   | 662889   | 49.927  | ng    | 98       |
| 17) 2-Methylphenol            | 7.069  | 107  | 423885   | 51.975  | ng    | 99       |
| 18) Hexachloroethane          | 7.328  | 117  | 203221   | 49.497  | ng    | 97       |
| 19) n-Nitroso-di-n-propyla... | 7.228  | 70   | 359791   | 51.211  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.222  | 107  | 523281   | 50.858  | ng    | # 83     |
| 22) Acetophenone              | 7.222  | 105  | 693960   | 50.353  | ng    | # 93     |
| 24) Nitrobenzene              | 7.398  | 77   | 541641   | 47.519  | ng    | 99       |
| 25) Isophorone                | 7.640  | 82   | 979464   | 52.404  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.710  | 139  | 272979   | 52.648  | ng    | 96       |
| 27) 2,4-Dimethylphenol        | 7.751  | 122  | 426337   | 60.959  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.845  | 93   | 589125   | 50.224  | ng    | 100      |
| 29) 2,4-Dichlorophenol        | 7.951  | 162  | 434576   | 52.319  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.040  | 180  | 452720   | 47.683  | ng    | 99       |
| 31) Naphthalene               | 8.122  | 128  | 1509542  | 49.374  | ng    | 99       |
| 32) Benzoic acid              | 7.875  | 122  | 338811   | 50.501  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.163  | 127  | 209658   | 19.829  | ng    | 99       |
| 34) Hexachlorobutadiene       | 8.240  | 225  | 281753   | 49.249  | ng    | 99       |
| 35) Caprolactam               | 8.540  | 113  | 138922m  | 51.085  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.651  | 107  | 478863   | 52.714  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.810  | 142  | 994680   | 51.055  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.910  | 142  | 928639   | 48.365  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 8.981  | 216  | 453432   | 49.932  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 8.969  | 237  | 590646   | 198.804 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.092  | 196  | 328808   | 53.687  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011625\  
 Data File : BF141183.D  
 Acq On : 16 Jan 2025 14:14  
 Operator : RC/JU  
 Sample : PB166033BSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166033BSD

Quant Time: Jan 16 14:37:18 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

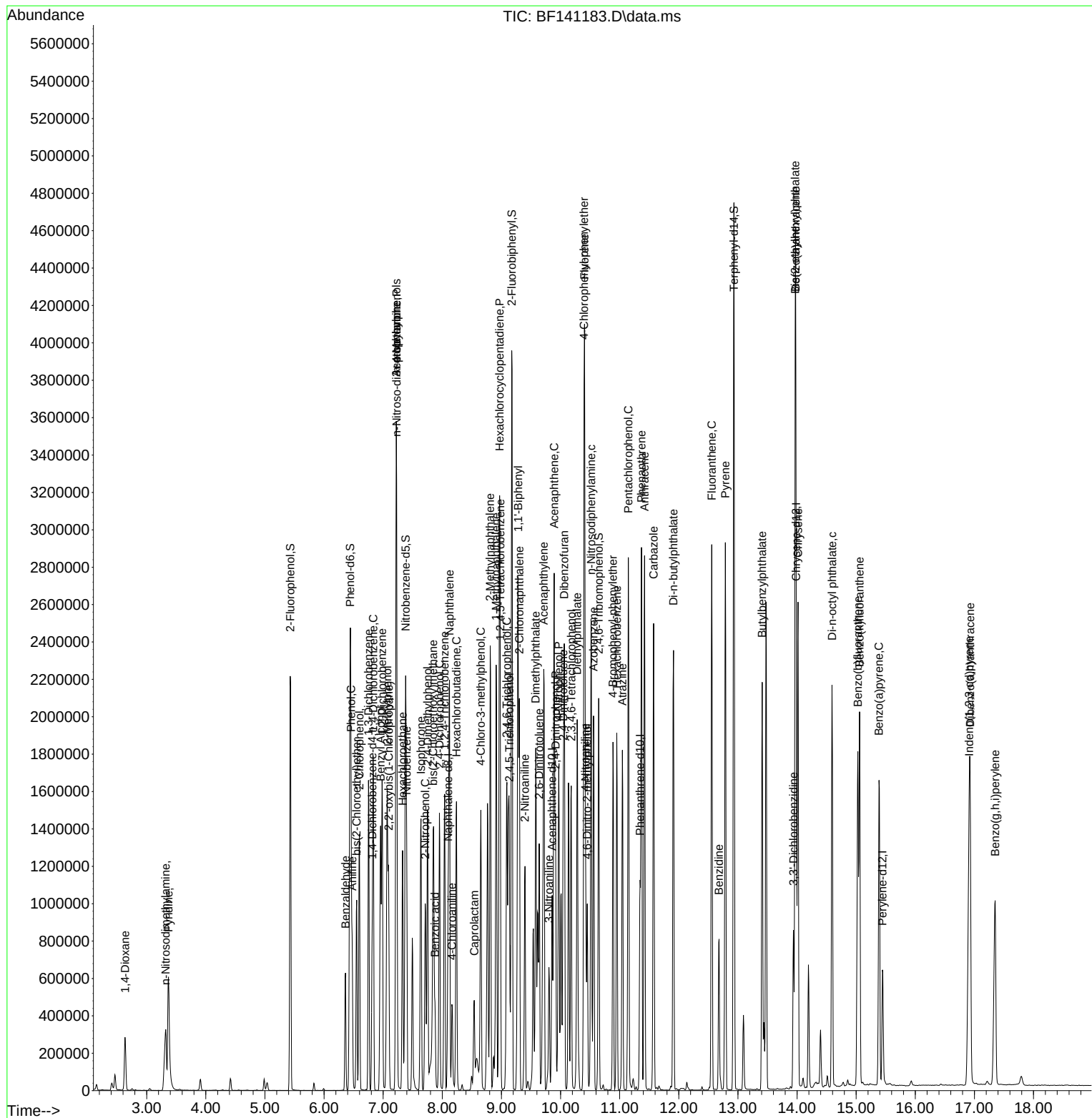
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.134  | 196  | 319761   | 49.435  | ng    | 99       |
| 46) 1,1'-Biphenyl             | 9.281  | 154  | 1222418  | 49.751  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 9.304  | 162  | 925244   | 48.347  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.398  | 65   | 293543   | 51.744  | ng    | 99       |
| 49) Acenaphthylene            | 9.716  | 152  | 1453718  | 53.168  | ng    | 100      |
| 50) Dimethylphthalate         | 9.581  | 163  | 1116248  | 52.553  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 9.639  | 165  | 246736   | 49.953  | ng    | 95       |
| 52) Acenaphthene              | 9.892  | 154  | 1091014  | 57.114  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.804  | 138  | 150065   | 29.897  | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 9.916  | 184  | 285921   | 121.783 | ng    | 95       |
| 55) Dibenzofuran              | 10.063 | 168  | 1321122  | 50.845  | ng    | 99       |
| 56) 4-Nitrophenol             | 9.969  | 139  | 436294   | 110.986 | ng    | 95       |
| 57) 2,4-Dinitrotoluene        | 10.045 | 165  | 341705   | 53.680  | ng    | 97       |
| 58) Fluorene                  | 10.404 | 166  | 1022349  | 50.646  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.181 | 232  | 295102   | 54.887  | ng    | 100      |
| 60) Diethylphthalate          | 10.281 | 149  | 1093604  | 52.739  | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.398 | 204  | 501027   | 50.925  | ng    | 97       |
| 62) 4-Nitroaniline            | 10.422 | 138  | 253886   | 51.678  | ng    | 96       |
| 63) Azobenzene                | 10.557 | 77   | 1054432  | 51.534  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 10.451 | 198  | 198081   | 62.454  | ng    | 98       |
| 66) n-Nitrosodiphenylamine    | 10.516 | 169  | 927421   | 52.534  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.886 | 248  | 335291   | 53.209  | ng    | 99       |
| 68) Hexachlorobenzene         | 10.951 | 284  | 370243   | 52.781  | ng    | 99       |
| 69) Atrazine                  | 11.045 | 200  | 326028   | 68.588  | ng    | 99       |
| 70) Pentachlorophenol         | 11.145 | 266  | 478115   | 106.432 | ng    | 99       |
| 71) Phenanthrene              | 11.369 | 178  | 1563458  | 53.207  | ng    | 100      |
| 72) Anthracene                | 11.422 | 178  | 1602727  | 56.094  | ng    | 100      |
| 73) Carbazole                 | 11.575 | 167  | 1425054  | 54.394  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.910 | 149  | 1697004  | 56.600  | ng    | 100      |
| 75) Fluoranthene              | 12.557 | 202  | 1667541  | 56.868  | ng    | 99       |
| 77) Benzidine                 | 12.680 | 184  | 440775   | 59.957  | ng    | 99       |
| 78) Pyrene                    | 12.786 | 202  | 1689167  | 44.611  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.410 | 149  | 695393   | 55.084  | ng    | 99       |
| 81) Benzo(a)anthracene        | 13.974 | 228  | 1411740  | 52.327  | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.939 | 252  | 247878   | 28.854  | ng    | 100      |
| 83) Chrysene                  | 14.016 | 228  | 1241041  | 49.161  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 13.969 | 149  | 896119   | 59.161  | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.592 | 149  | 1429606  | 62.501  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.910 | 276  | 1259019  | 49.855  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 15.027 | 252  | 1125096  | 50.617  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.057 | 252  | 1129506  | 60.131  | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.386 | 252  | 1038941  | 56.652  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 16.927 | 278  | 1009805  | 49.439  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 17.351 | 276  | 941540   | 44.317  | ng    | 99       |

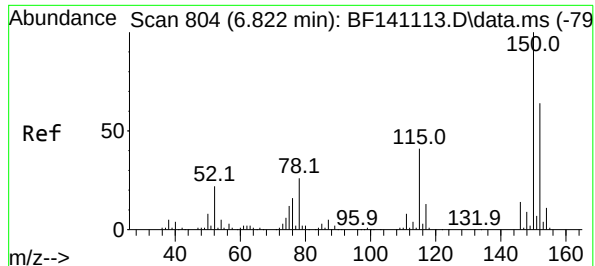
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011625\  
Data File : BF141183.D  
Acq On : 16 Jan 2025 14:14  
Operator : RC/JU  
Sample : PB166033BSD  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BSD

Quant Time: Jan 16 14:37:18 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

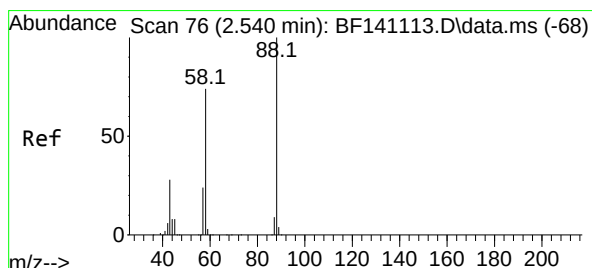
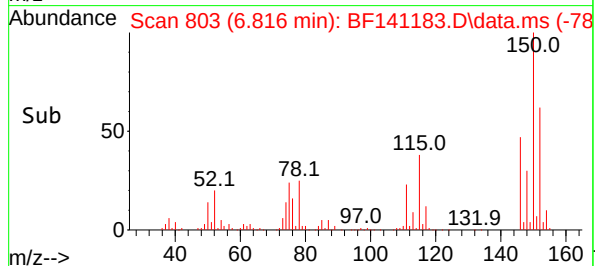
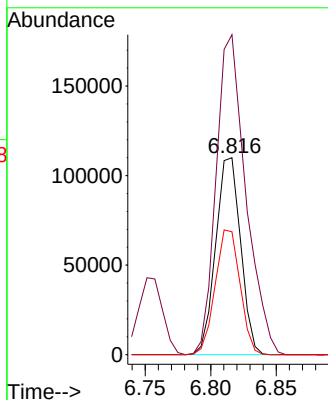
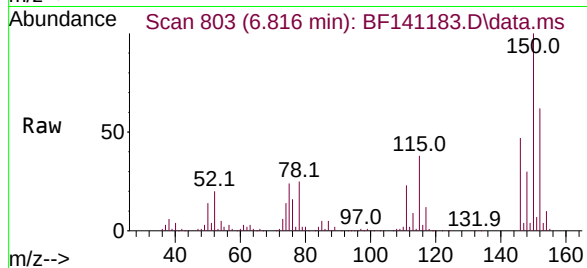




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.816 min Scan# 80  
 Delta R.T. -0.006 min  
 Lab File: BF141183.D  
 Acq: 16 Jan 2025 14:14

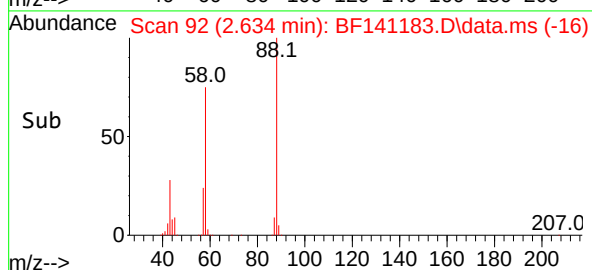
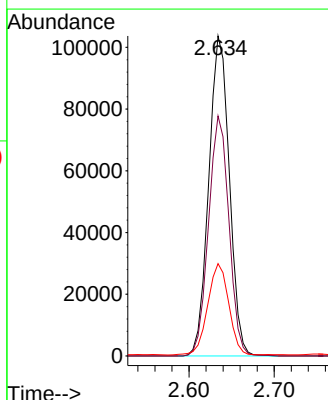
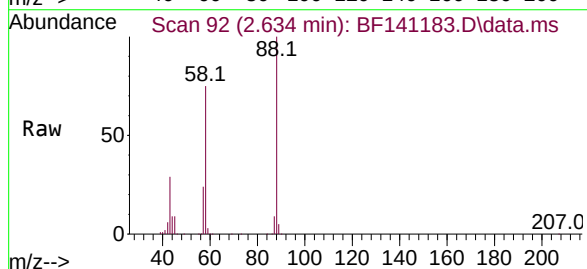
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166033BSD

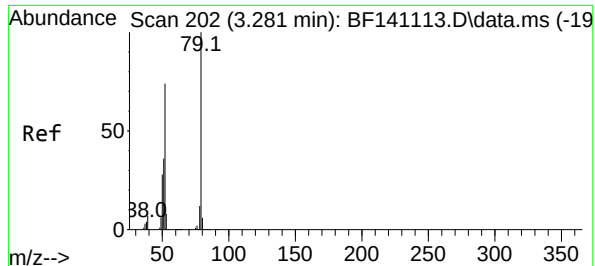
Tgt Ion:152 Resp: 145451  
 Ion Ratio Lower Upper  
 152 100  
 150 162.5 125.8 188.8  
 115 62.4 51.4 77.2



#2  
 1,4-Dioxane  
 Concen: 41.489 ng  
 RT: 2.634 min Scan# 92  
 Delta R.T. 0.094 min  
 Lab File: BF141183.D  
 Acq: 16 Jan 2025 14:14

Tgt Ion: 88 Resp: 173956  
 Ion Ratio Lower Upper  
 88 100  
 58 74.3 60.1 90.1  
 43 29.1 23.1 34.7

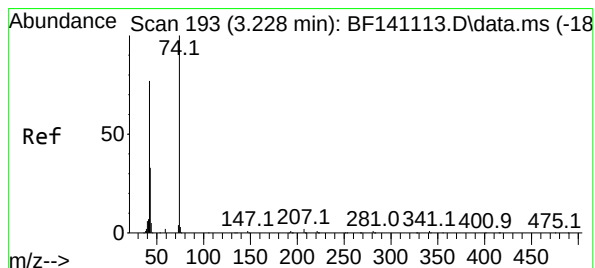
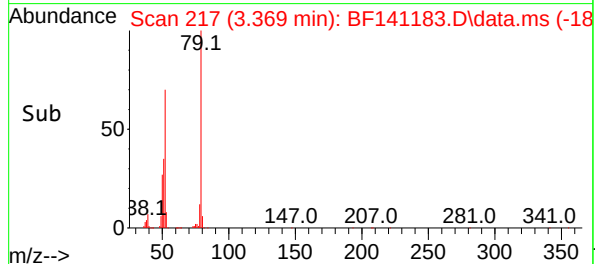
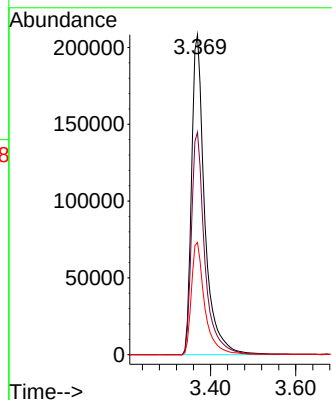
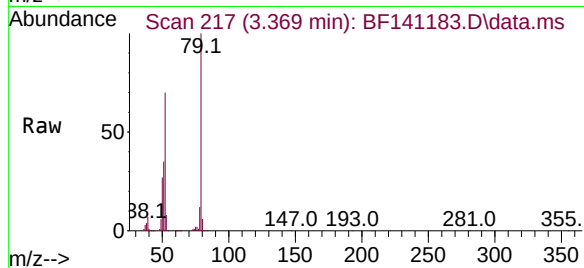




#3  
Pyridine  
Concen: 43.481 ng  
RT: 3.369 min Scan# 217  
Delta R.T. 0.088 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

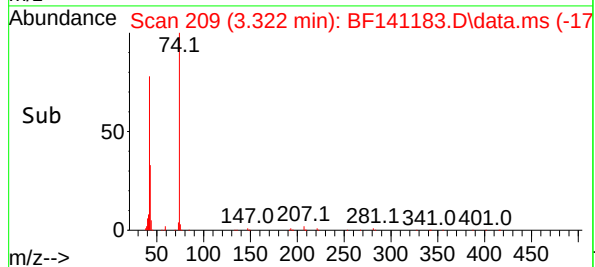
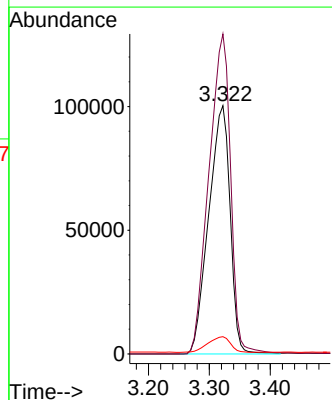
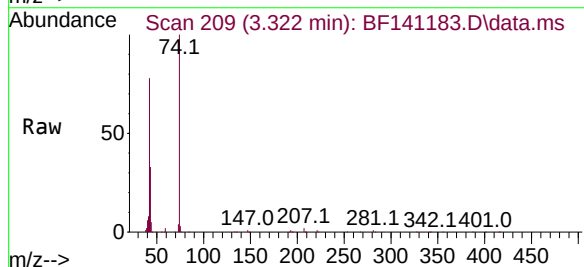
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BSD

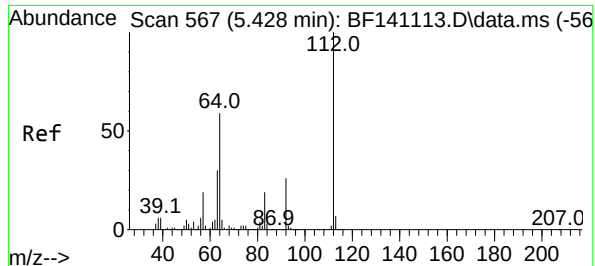
Tgt Ion: 79 Resp: 447067  
Ion Ratio Lower Upper  
79 100  
52 69.5 58.9 88.3  
51 35.1 29.1 43.7



#4  
n-Nitrosodimethylamine  
Concen: 48.734 ng  
RT: 3.322 min Scan# 209  
Delta R.T. 0.094 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

Tgt Ion: 42 Resp: 245009  
Ion Ratio Lower Upper  
42 100  
74 128.9 103.8 155.6  
44 7.0 5.3 7.9

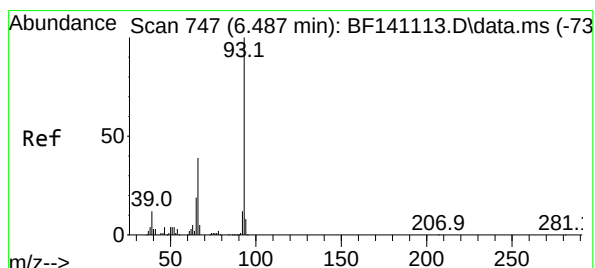
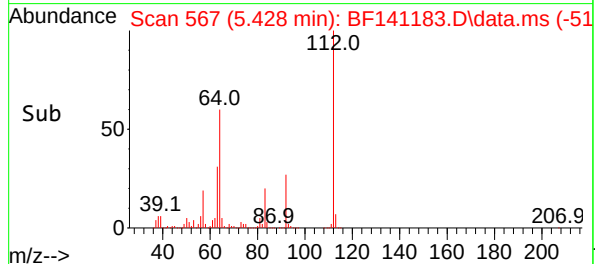
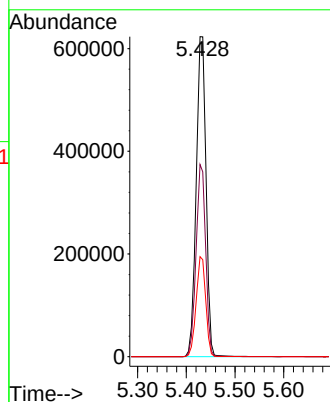
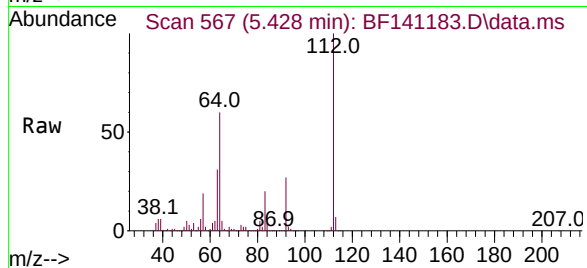




#5  
2-Fluorophenol  
Concen: 93.360 ng  
RT: 5.428 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

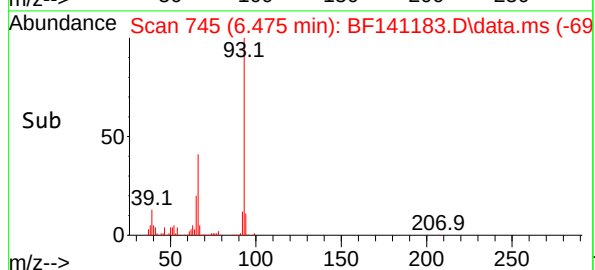
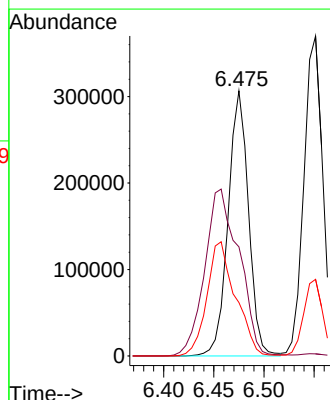
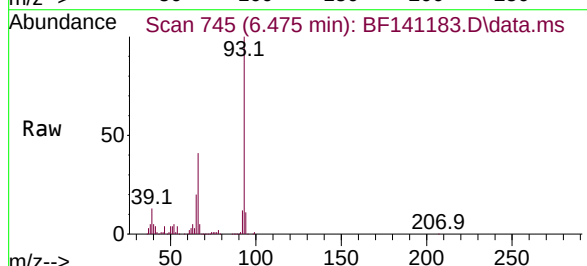
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BSD

Tgt Ion:112 Resp: 879028  
Ion Ratio Lower Upper  
112 100  
64 60.0 47.3 70.9  
63 31.3 24.2 36.2

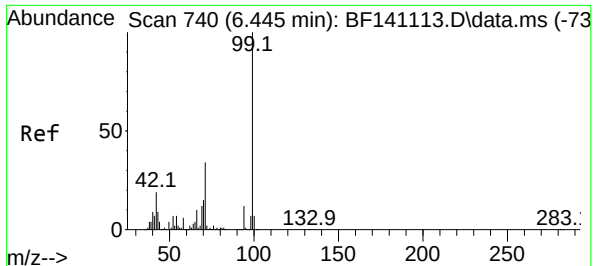


#6  
Aniline  
Concen: 40.907 ng  
RT: 6.475 min Scan# 745  
Delta R.T. -0.012 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

Tgt Ion: 93 Resp: 433160  
Ion Ratio Lower Upper  
93 100  
66 41.1 31.5 47.3  
65 20.1 15.3 22.9



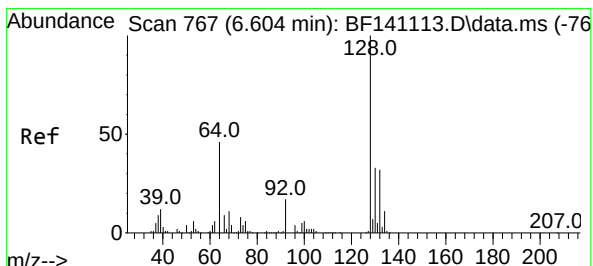
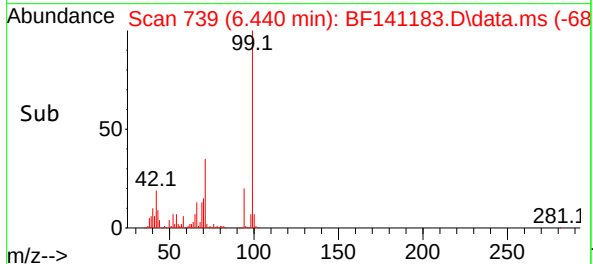
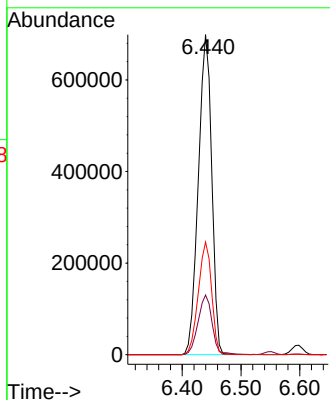
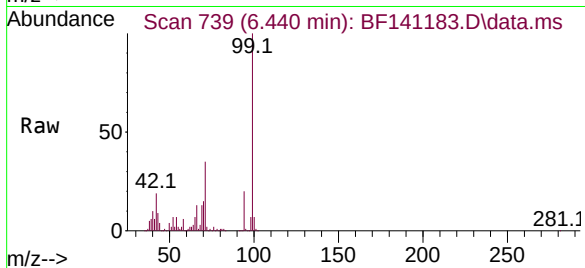




#7  
Phenol-d6  
Concen: 92.882 ng  
RT: 6.440 min Scan# 740  
Delta R.T. -0.006 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

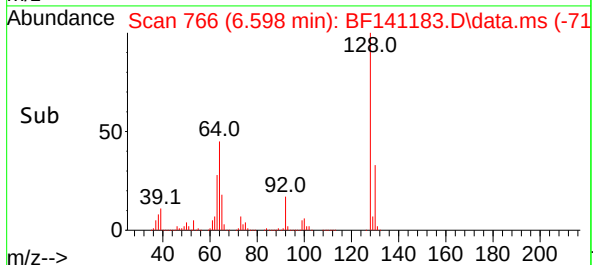
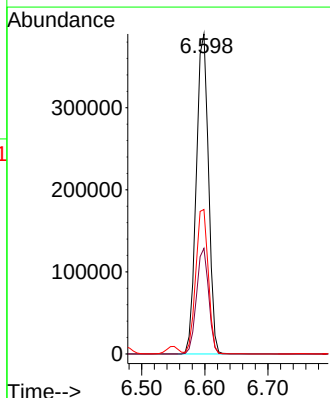
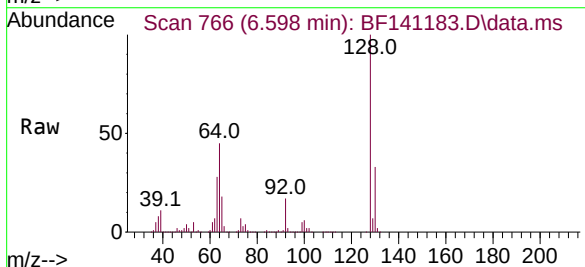
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BSD

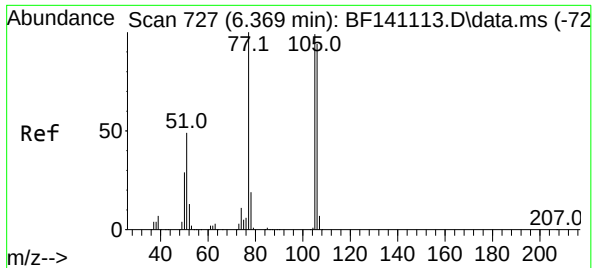
Tgt Ion: 99 Resp: 1107780  
Ion Ratio Lower Upper  
99 100  
42 18.7 15.0 22.4  
71 35.2 27.6 41.4



#8  
2-Chlorophenol  
Concen: 51.882 ng  
RT: 6.598 min Scan# 766  
Delta R.T. -0.006 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

Tgt Ion: 128 Resp: 524096  
Ion Ratio Lower Upper  
128 100  
130 33.0 12.5 52.5  
64 45.1 28.3 68.3

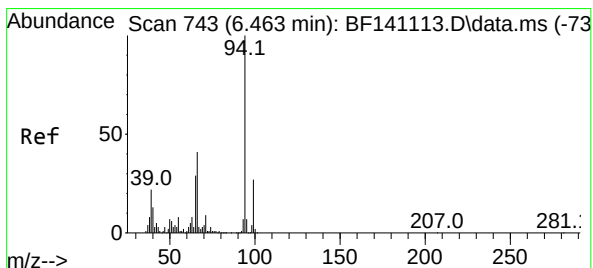
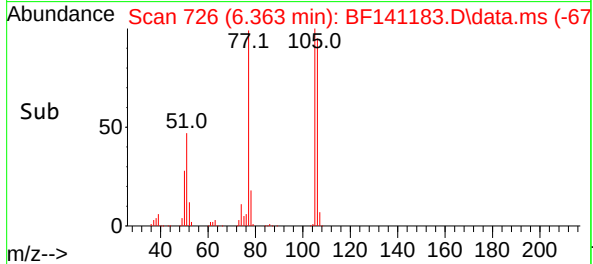
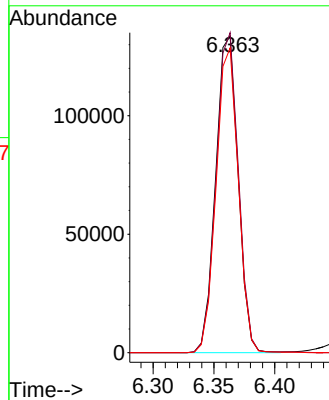
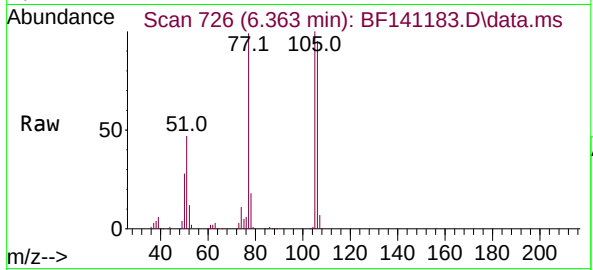




#9  
Benzaldehyde  
Concen: 24.390 ng  
RT: 6.363 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

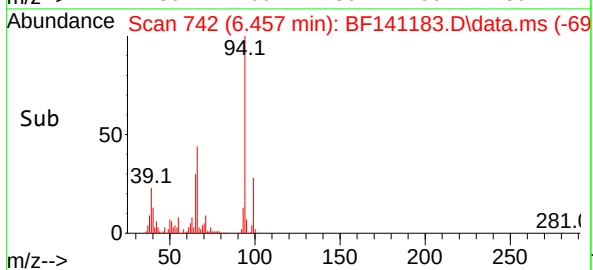
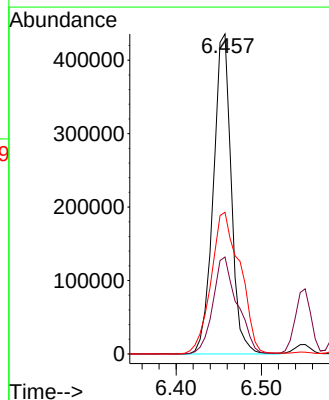
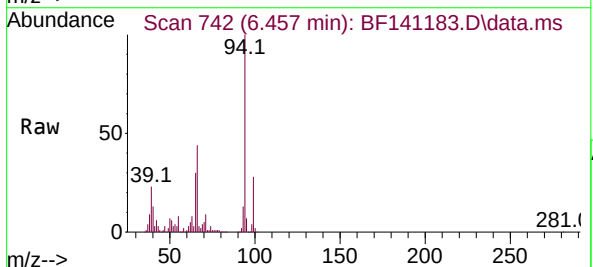
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BSD

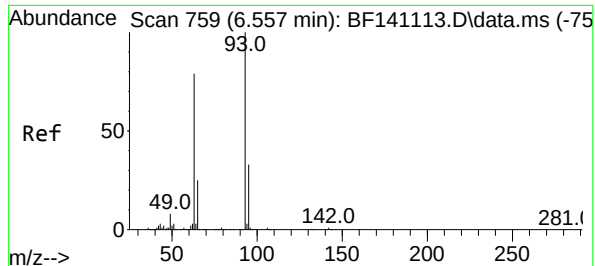
Tgt Ion: 77 Resp: 171327  
Ion Ratio Lower Upper  
77 100  
105 101.1 78.9 118.9  
106 96.3 73.6 113.6



#10  
Phenol  
Concen: 49.907 ng  
RT: 6.457 min Scan# 742  
Delta R.T. -0.006 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

Tgt Ion: 94 Resp: 637164  
Ion Ratio Lower Upper  
94 100  
65 30.3 8.9 48.9  
66 44.3 21.2 61.2





#11

bis(2-Chloroethyl)ether

Concen: 50.309 ng

RT: 6.551 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

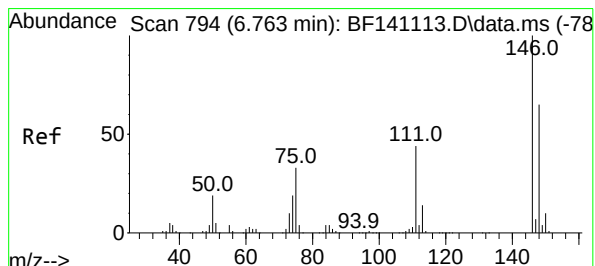
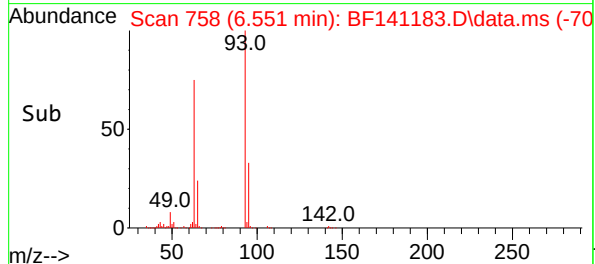
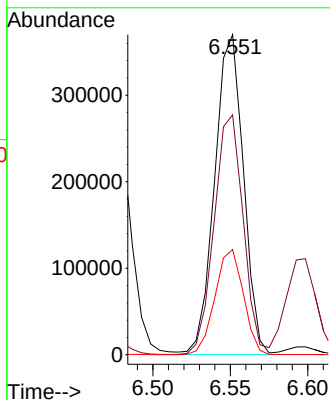
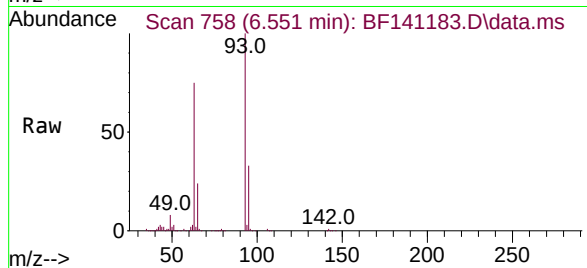
Tgt Ion: 93 Resp: 478677

Ion Ratio Lower Upper

93 100

63 74.9 58.0 98.0

95 32.8 12.5 52.5



#12

1,3-Dichlorobenzene

Concen: 47.559 ng

RT: 6.751 min Scan# 792

Delta R.T. -0.012 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

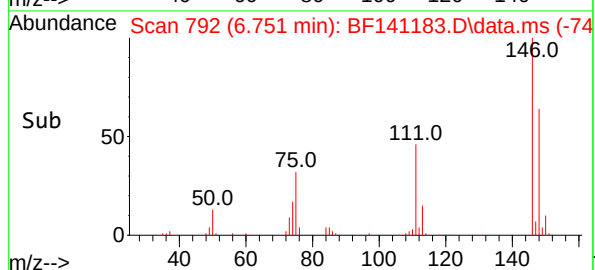
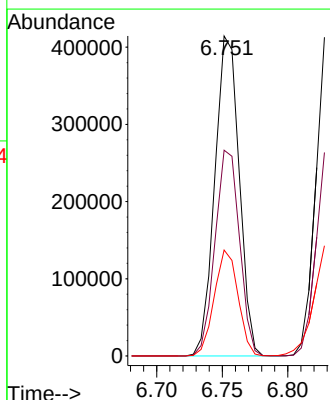
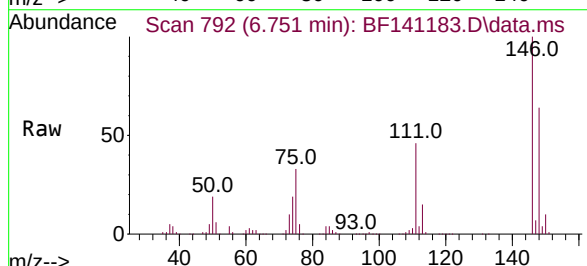
Tgt Ion:146 Resp: 535825

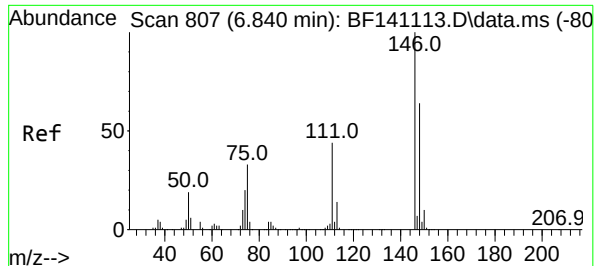
Ion Ratio Lower Upper

146 100

148 64.3 51.6 77.4

75 33.1 26.2 39.2





#13

1,4-Dichlorobenzene

Concen: 48.178 ng

RT: 6.834 min Scan# 807

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

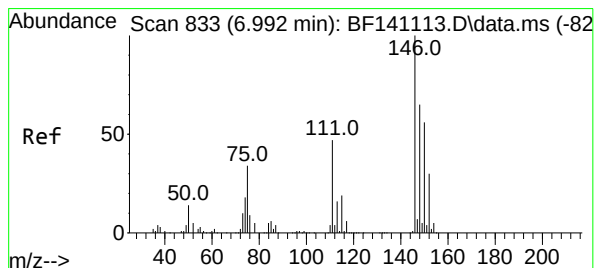
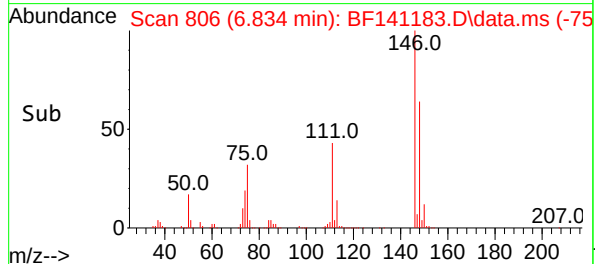
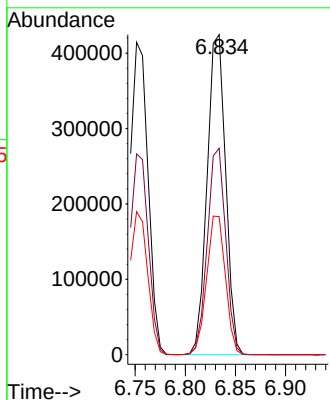
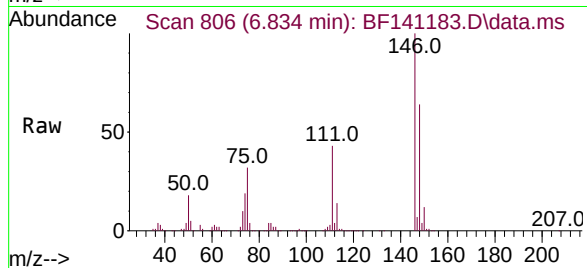
Tgt Ion:146 Resp: 546982

Ion Ratio Lower Upper

146 100

148 64.5 51.0 76.6

111 43.2 34.9 52.3



#14

1,2-Dichlorobenzene

Concen: 49.353 ng

RT: 6.981 min Scan# 831

Delta R.T. -0.012 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

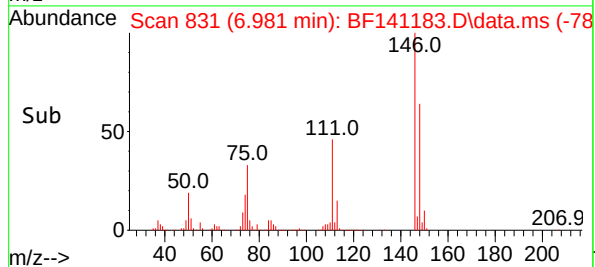
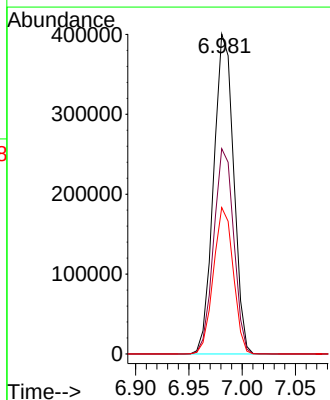
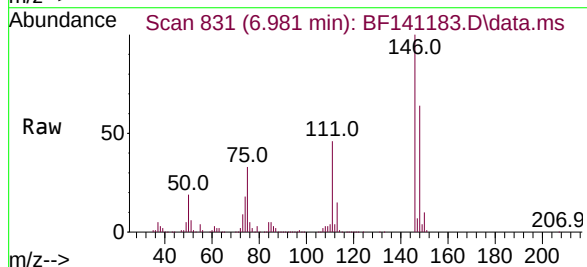
Tgt Ion:146 Resp: 522667

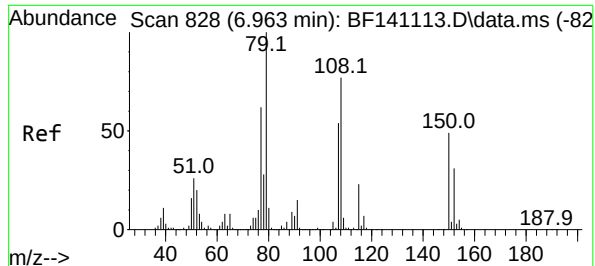
Ion Ratio Lower Upper

146 100

148 64.1 52.2 78.4

111 45.8 37.5 56.3





#15

Benzyl Alcohol

Concen: 53.025 ng

RT: 6.957 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

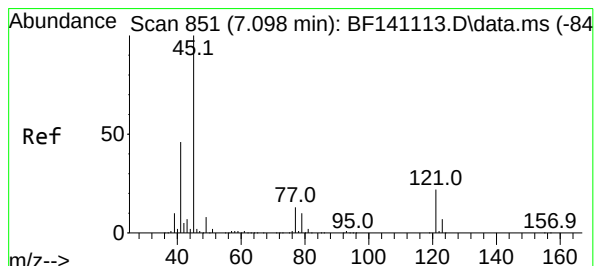
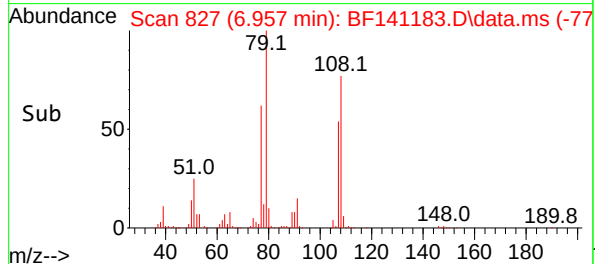
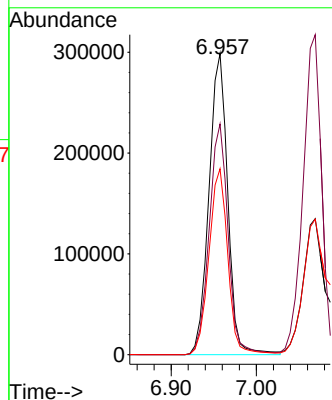
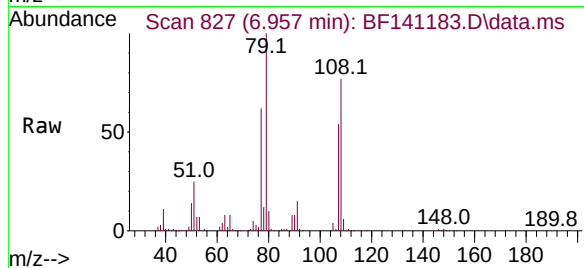
Tgt Ion: 79 Resp: 456712

Ion Ratio Lower Upper

79 100

108 76.6 61.4 92.0

77 61.7 49.8 74.6



#16

2,2'-oxybis(1-chloropropane)

Concen: 49.927 ng

RT: 7.093 min Scan# 850

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

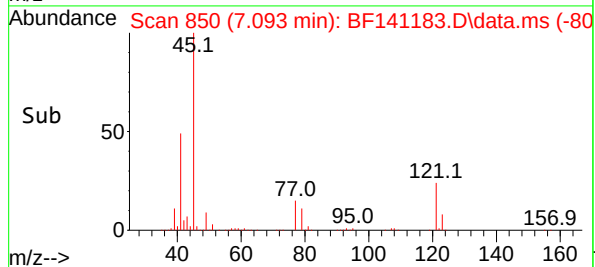
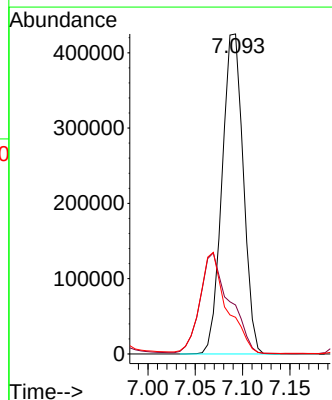
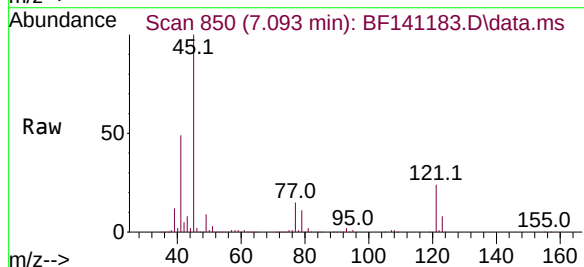
Tgt Ion: 45 Resp: 662889

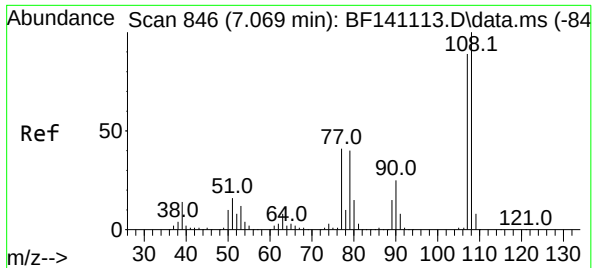
Ion Ratio Lower Upper

45 100

77 15.3 0.0 34.1

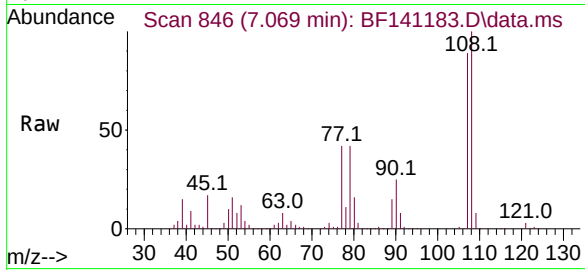
79 11.4 0.0 31.0



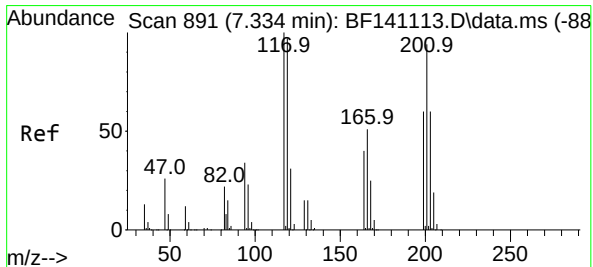
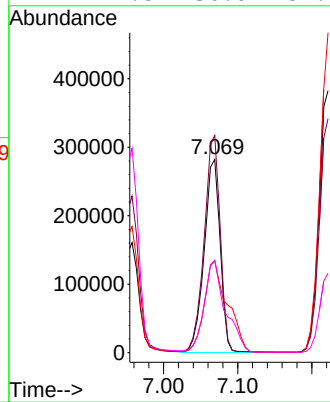
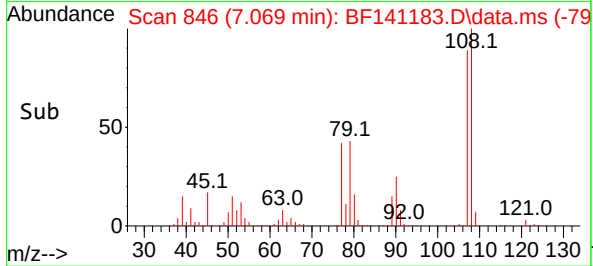


#17  
2-Methylphenol  
Concen: 51.975 ng  
RT: 7.069 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BSD

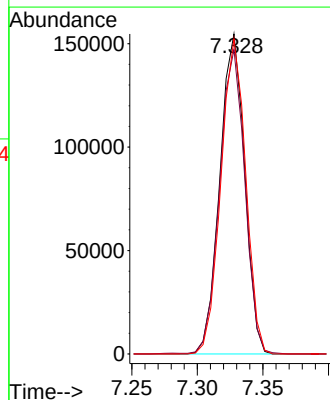
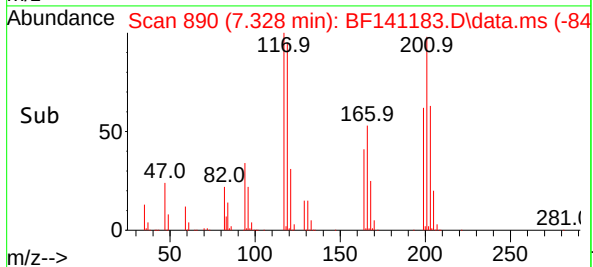
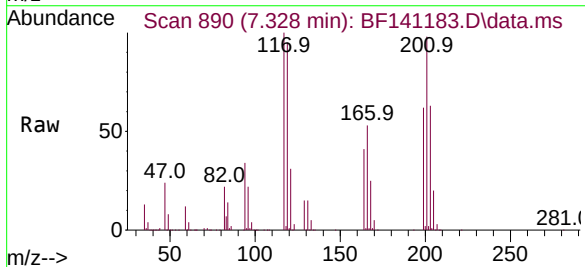


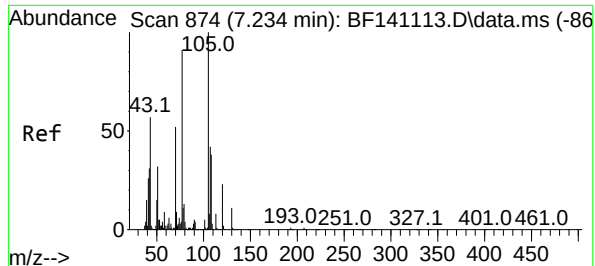
Tgt Ion:107 Resp: 423885  
Ion Ratio Lower Upper  
107 100  
108 112.4 90.1 135.1  
77 47.6 36.6 55.0  
79 47.8 36.6 54.8



#18  
Hexachloroethane  
Concen: 49.497 ng  
RT: 7.328 min Scan# 890  
Delta R.T. -0.006 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

Tgt Ion:117 Resp: 203221  
Ion Ratio Lower Upper  
117 100  
119 95.2 77.6 116.4  
201 98.4 75.1 112.7





#19

n-Nitroso-di-n-propylamine

Concen: 51.211 ng

RT: 7.228 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

Tgt Ion: 70 Resp: 359791

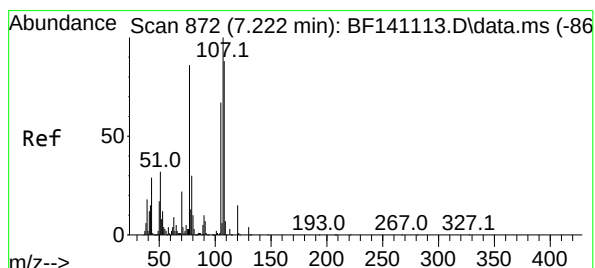
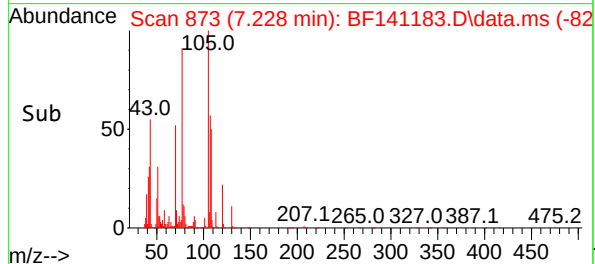
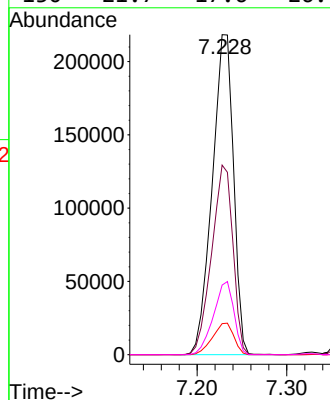
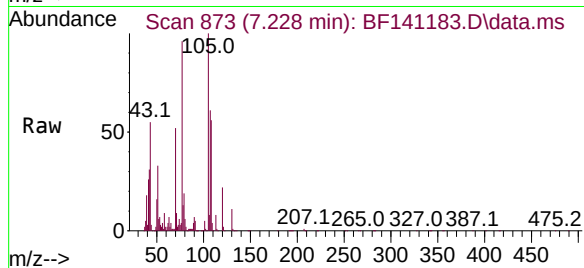
Ion Ratio Lower Upper

70 100

42 59.3 47.8 71.6

101 9.7 7.9 11.9

130 21.7 17.6 26.4



#20

3+4-Methylphenols

Concen: 50.858 ng

RT: 7.222 min Scan# 872

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Tgt Ion: 107 Resp: 523281

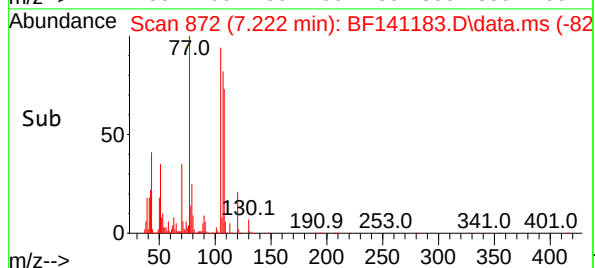
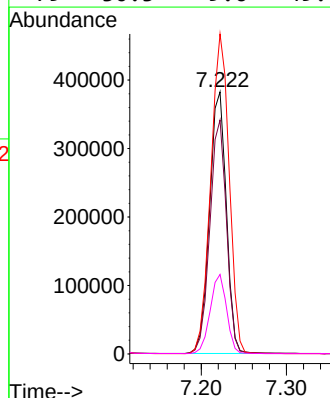
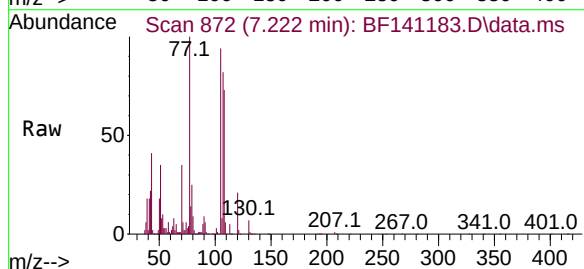
Ion Ratio Lower Upper

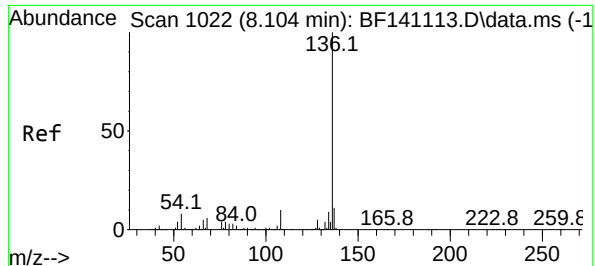
107 100

108 89.2 68.3 108.3

77 122.1 66.4 106.4#

79 30.3 9.6 49.6





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.098 min Scan# 10

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

Tgt Ion:136 Resp: 579745

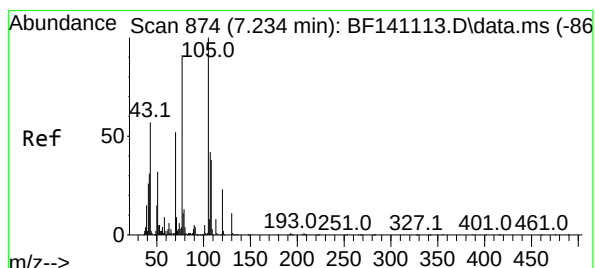
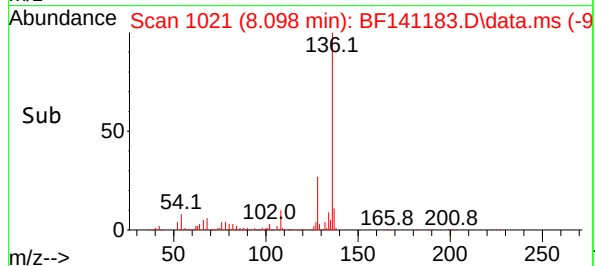
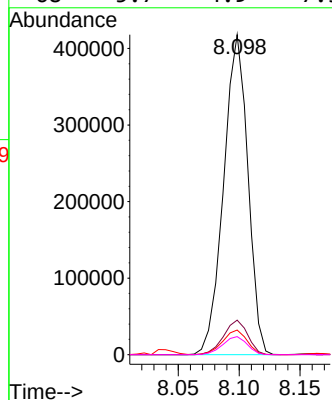
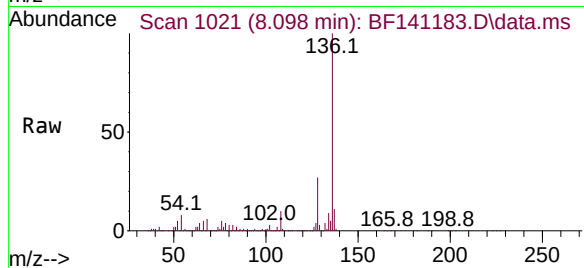
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 7.7 6.3 9.5

68 5.7 4.9 7.3



#22

Acetophenone

Concen: 50.353 ng

RT: 7.222 min Scan# 872

Delta R.T. -0.012 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Tgt Ion:105 Resp: 693960

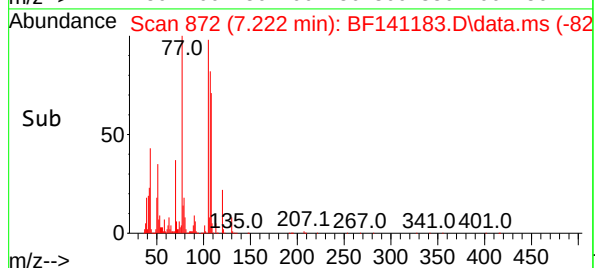
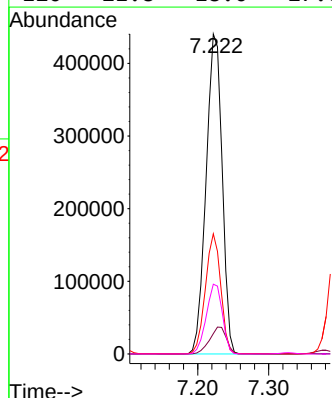
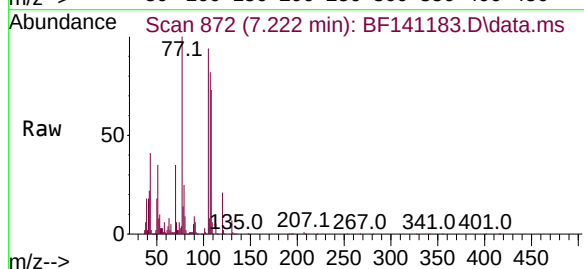
Ion Ratio Lower Upper

105 100

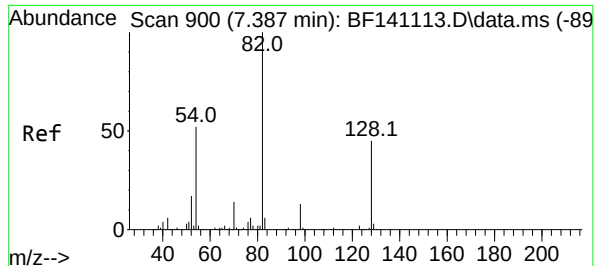
71 6.3 7.1 10.7#

51 37.6 25.4 38.2

120 21.8 18.0 27.0







#23

Nitrobenzene-d5

Concen: 95.984 ng

RT: 7.381 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

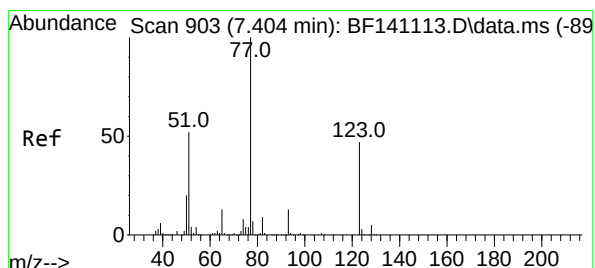
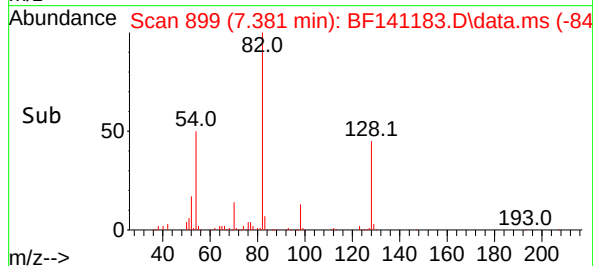
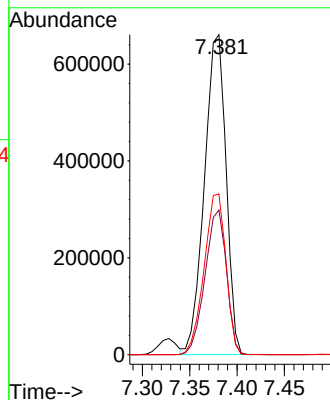
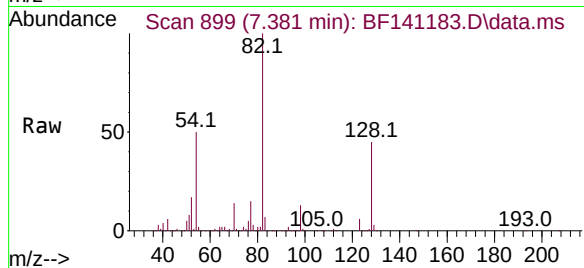
Tgt Ion: 82 Resp: 1049765

Ion Ratio Lower Upper

82 100

128 45.2 36.1 54.1

54 50.3 41.0 61.4



#24

Nitrobenzene

Concen: 47.519 ng

RT: 7.398 min Scan# 902

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

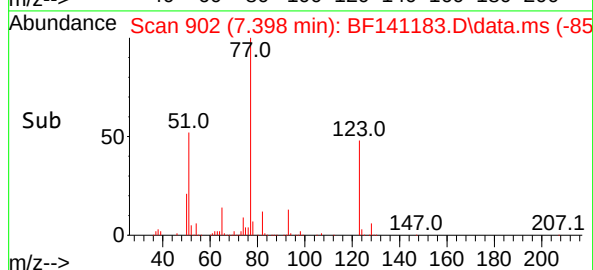
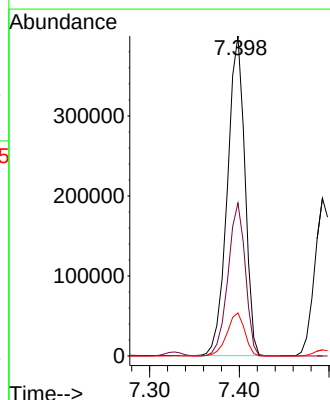
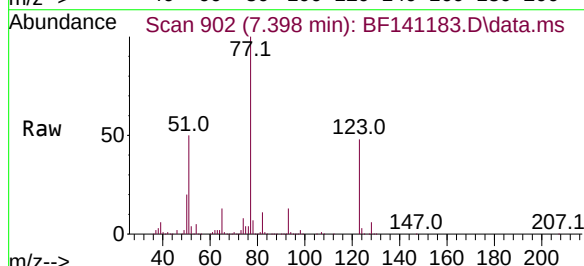
Tgt Ion: 77 Resp: 541641

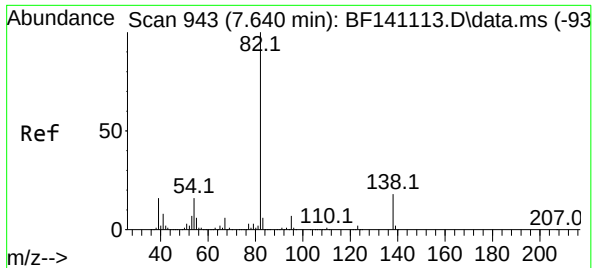
Ion Ratio Lower Upper

77 100

123 47.8 37.7 56.5

65 13.5 10.6 16.0

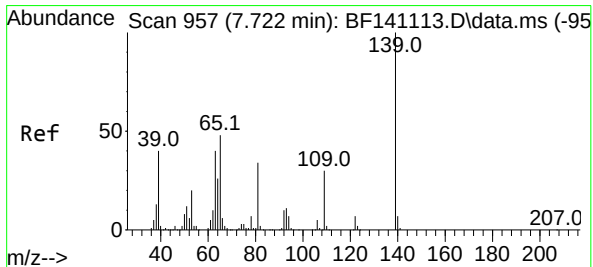
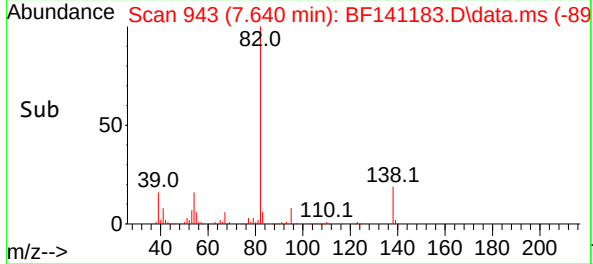
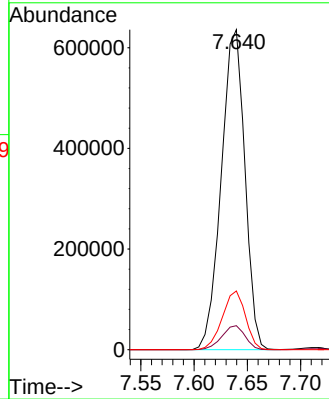
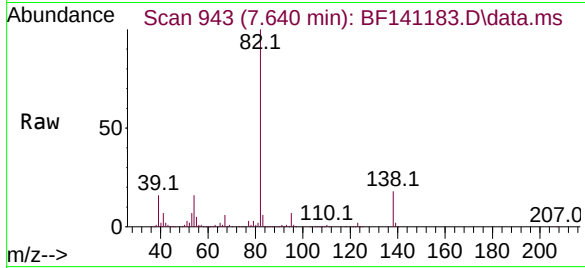




#25  
Isophorone  
Concen: 52.404 ng  
RT: 7.640 min Scan# 941  
Delta R.T. 0.000 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

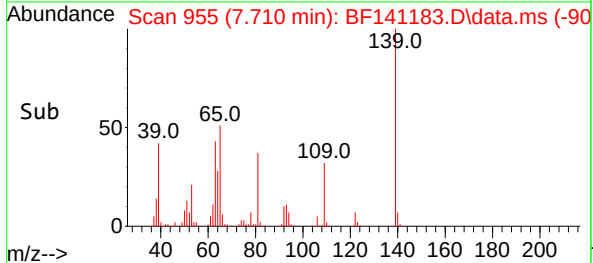
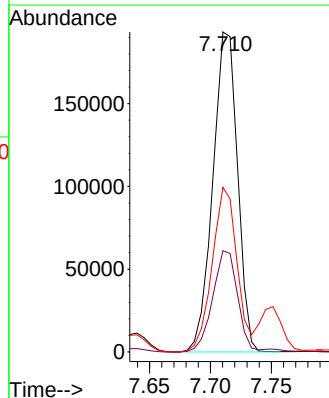
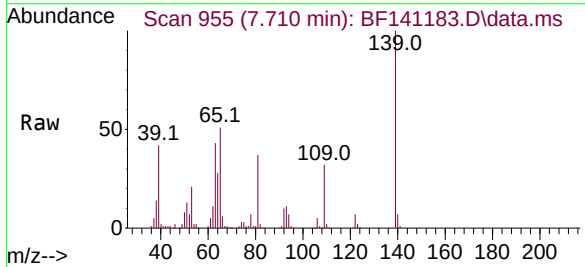
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BSD

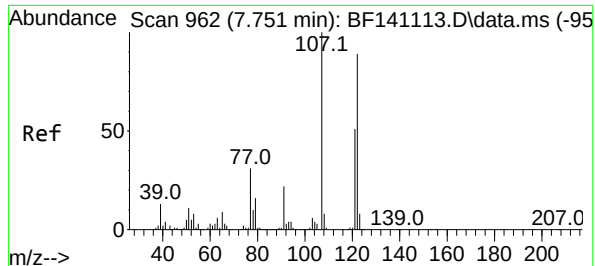
Tgt Ion: 82 Resp: 979464  
Ion Ratio Lower Upper  
82 100  
95 7.5 5.9 8.9  
138 18.4 14.2 21.2



#26  
2-Nitrophenol  
Concen: 52.648 ng  
RT: 7.710 min Scan# 955  
Delta R.T. -0.012 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

Tgt Ion: 139 Resp: 272979  
Ion Ratio Lower Upper  
139 100  
109 31.7 23.8 35.6  
65 51.4 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 60.959 ng

RT: 7.751 min Scan# 90

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

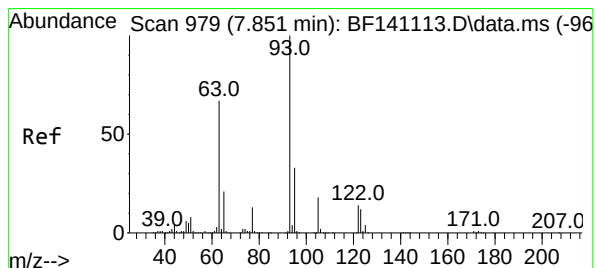
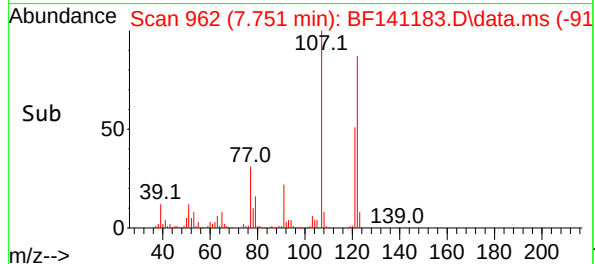
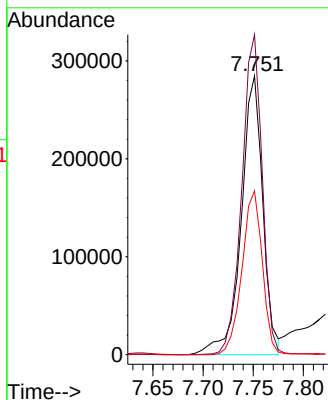
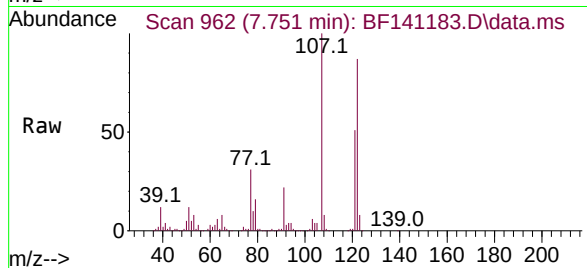
Tgt Ion:122 Resp: 426337

Ion Ratio Lower Upper

122 100

107 114.7 90.3 135.5

121 58.8 46.5 69.7



#28

bis(2-Chloroethoxy)methane

Concen: 50.224 ng

RT: 7.845 min Scan# 978

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

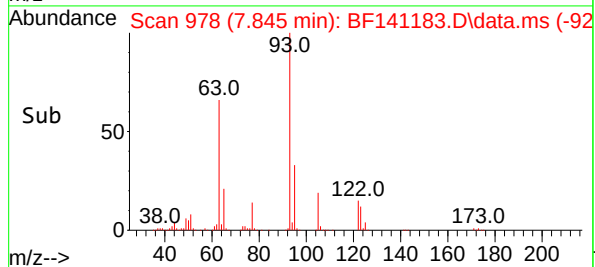
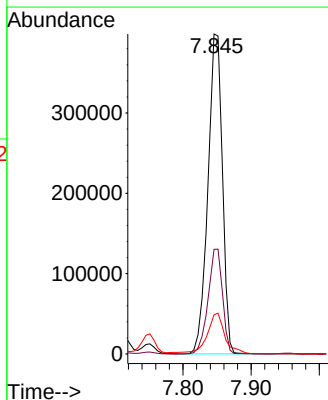
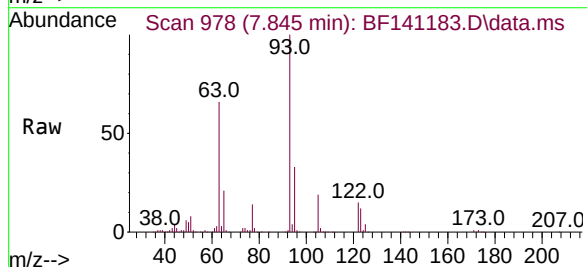
Tgt Ion: 93 Resp: 589125

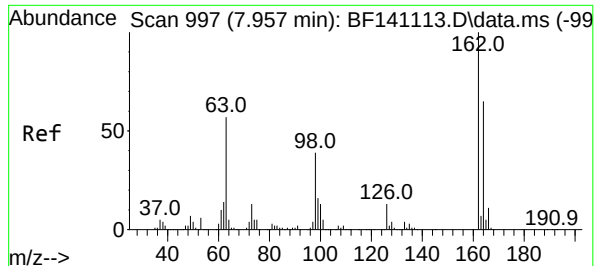
Ion Ratio Lower Upper

93 100

95 32.7 26.2 39.4

123 12.2 10.1 15.1





#29

2,4-Dichlorophenol

Concen: 52.319 ng

RT: 7.951 min Scan# 99

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

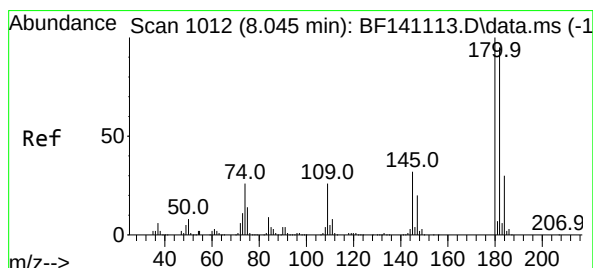
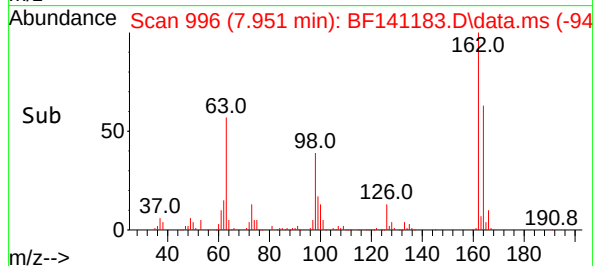
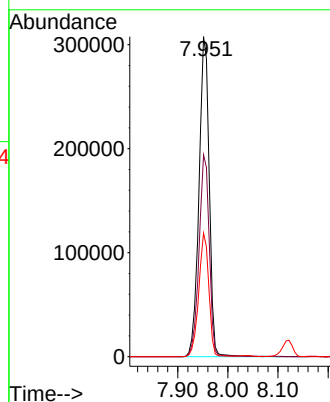
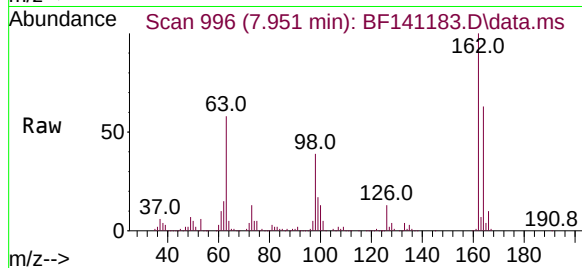
Tgt Ion:162 Resp: 434576

Ion Ratio Lower Upper

162 100

164 63.1 44.5 84.5

98 38.7 18.5 58.5



#30

1,2,4-Trichlorobenzene

Concen: 47.683 ng

RT: 8.040 min Scan# 1011

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

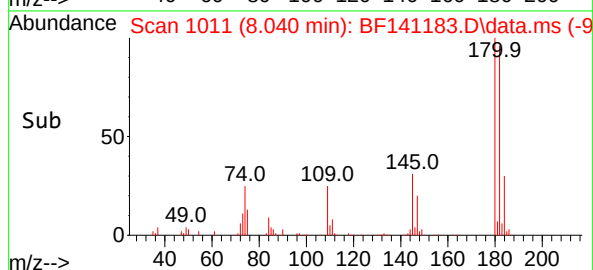
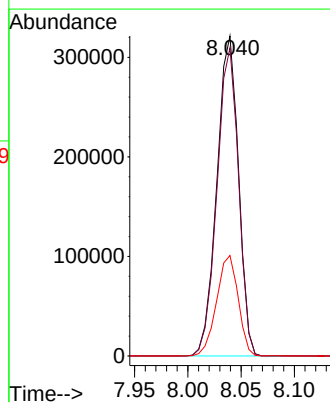
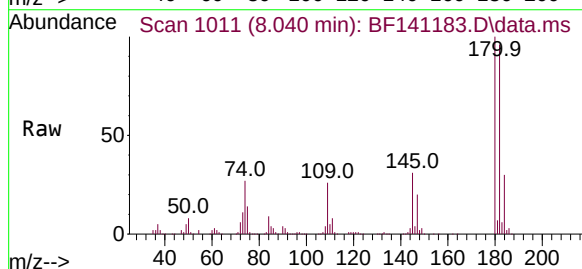
Tgt Ion:180 Resp: 452720

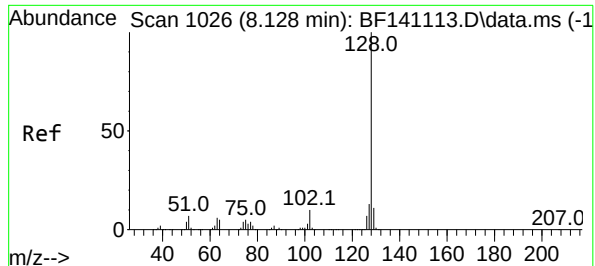
Ion Ratio Lower Upper

180 100

182 96.3 76.2 114.2

145 31.4 25.3 37.9





#31

Naphthalene

Concen: 49.374 ng

RT: 8.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

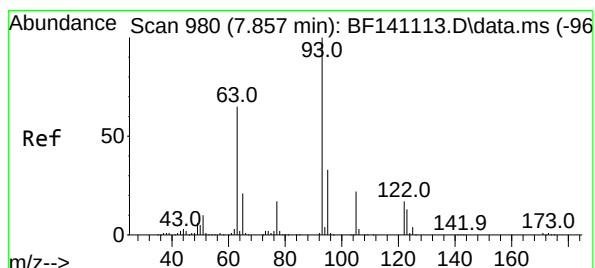
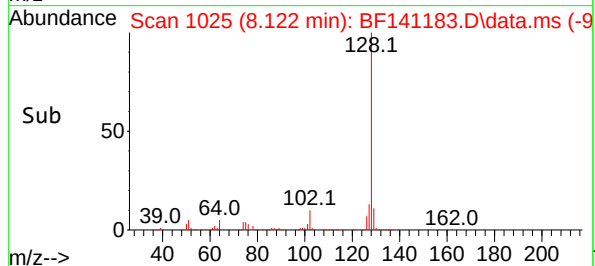
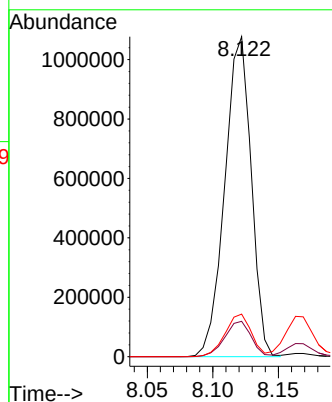
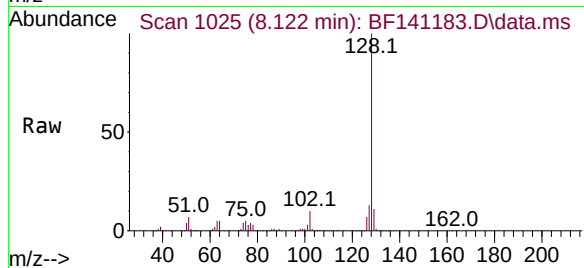
Tgt Ion:128 Resp: 1509542

Ion Ratio Lower Upper

128 100

129 11.1 9.0 13.6

127 13.3 10.8 16.2



#32

Benzoic acid

Concen: 50.501 ng

RT: 7.875 min Scan# 983

Delta R.T. 0.018 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

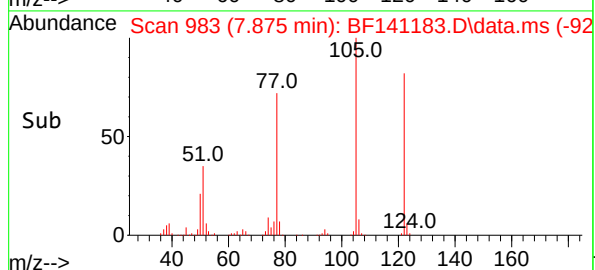
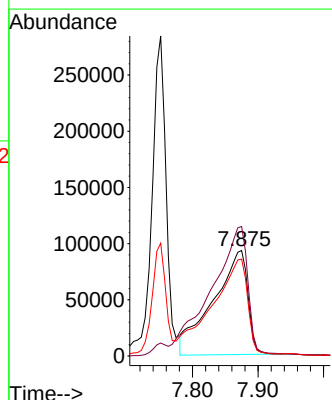
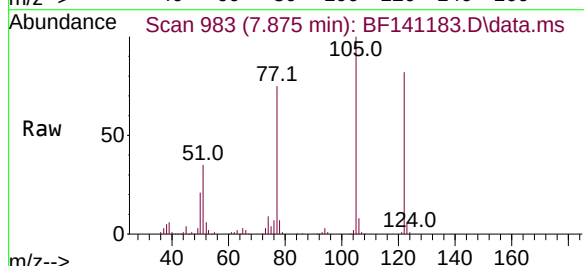
Tgt Ion:122 Resp: 338811

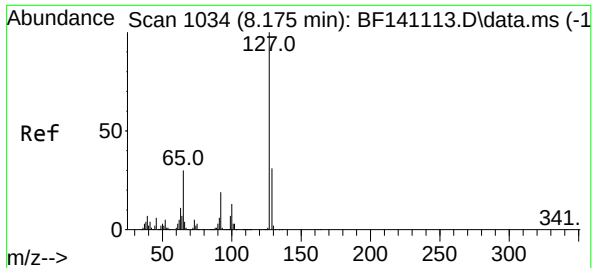
Ion Ratio Lower Upper

122 100

105 122.7 105.5 145.5

77 91.8 75.1 115.1

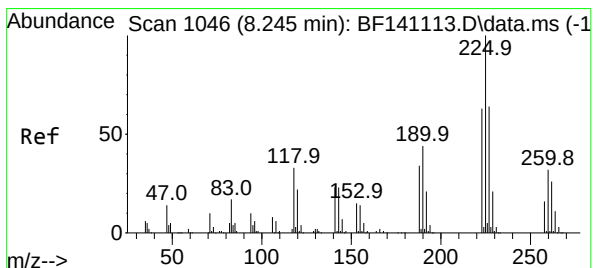
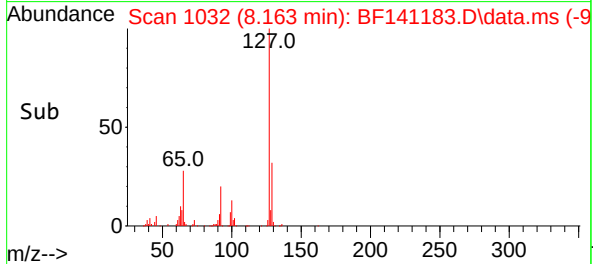
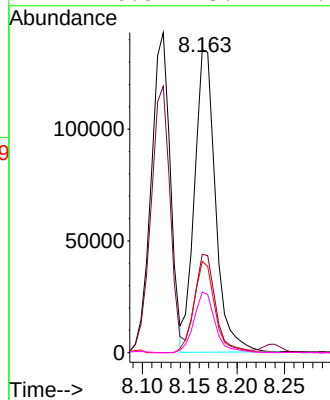
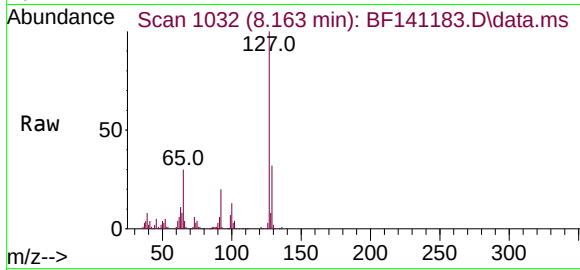




#33  
4-Chloroaniline  
Concen: 19.829 ng  
RT: 8.163 min Scan# 1032  
Delta R.T. -0.012 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

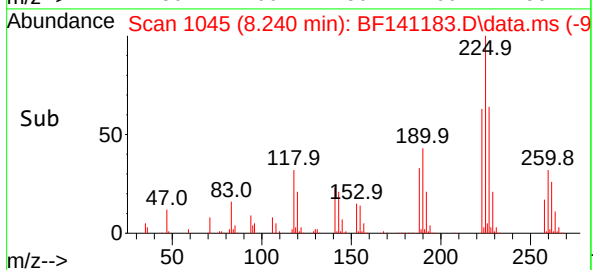
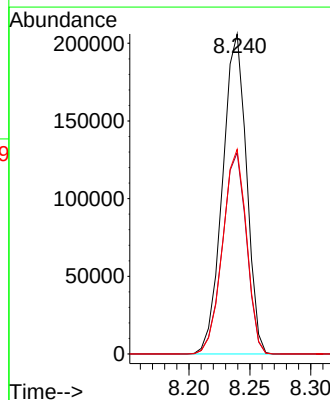
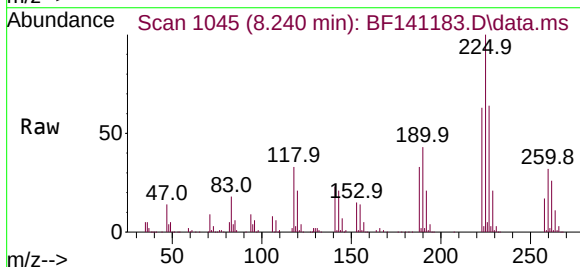
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BSD

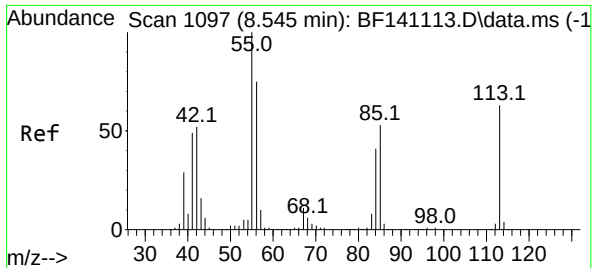
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 209658 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.4  | 25.9  | 38.9   |
| 65       | 30.1  | 23.8  | 35.8   |
| 92       | 20.0  | 15.2  | 22.8   |



#34  
Hexachlorobutadiene  
Concen: 49.249 ng  
RT: 8.240 min Scan# 1045  
Delta R.T. -0.006 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 281753 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 62.9  | 50.6  | 76.0   |
| 227      | 63.9  | 51.6  | 77.4   |





#35

Caprolactam

Concen: 51.085 ng m

RT: 8.540 min Scan# 1097

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

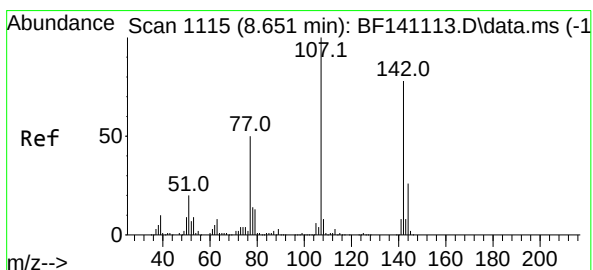
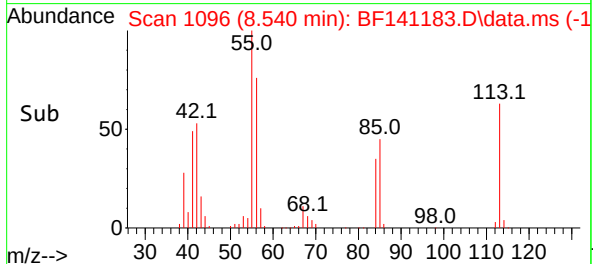
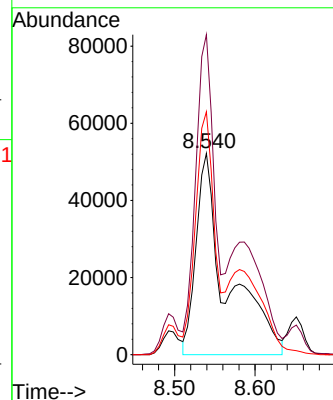
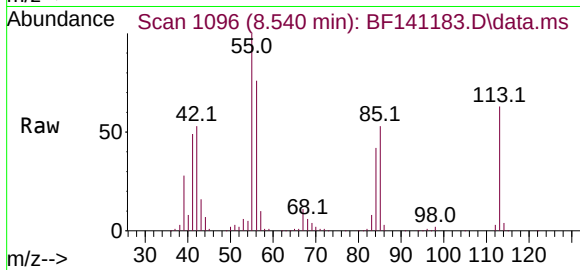
Tgt Ion:113 Resp: 138922

Ion Ratio Lower Upper

113 100

55 158.9 139.7 179.7

56 120.6 99.4 139.4



#36

4-Chloro-3-methylphenol

Concen: 52.714 ng

RT: 8.651 min Scan# 1115

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

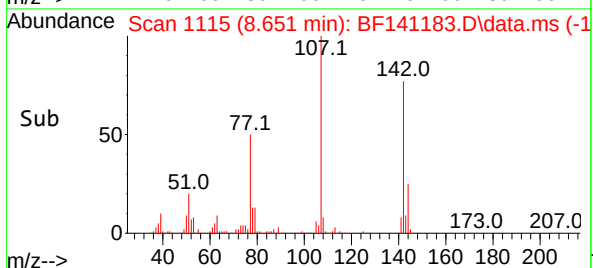
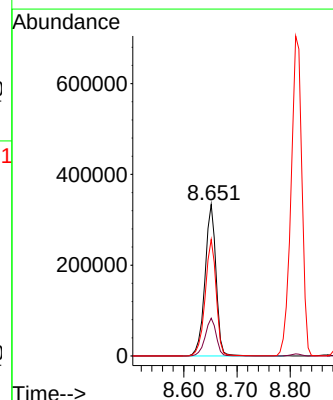
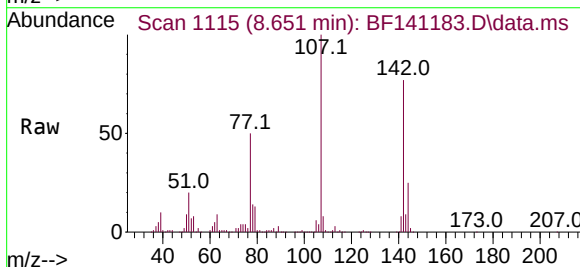
Tgt Ion:107 Resp: 478863

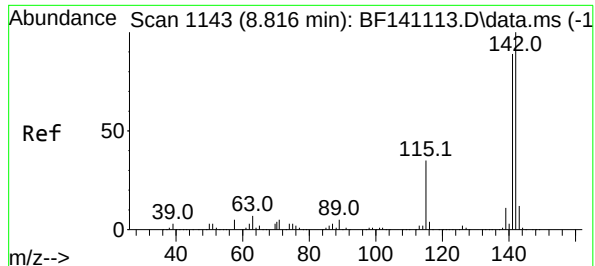
Ion Ratio Lower Upper

107 100

144 24.9 20.4 30.6

142 77.0 62.2 93.2





#37

2-Methylnaphthalene

Concen: 51.055 ng

RT: 8.810 min Scan# 1143

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

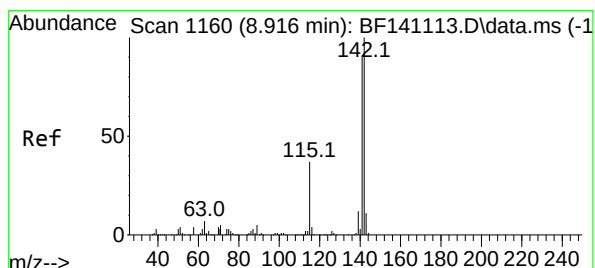
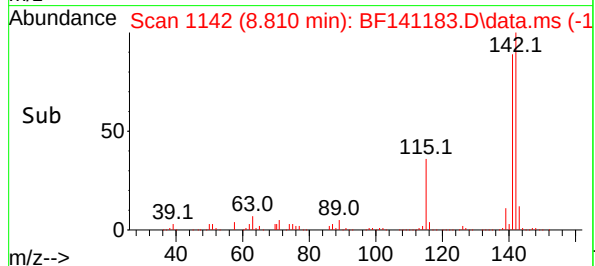
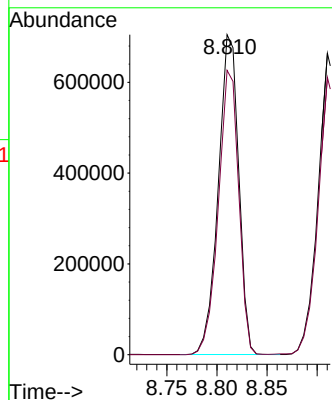
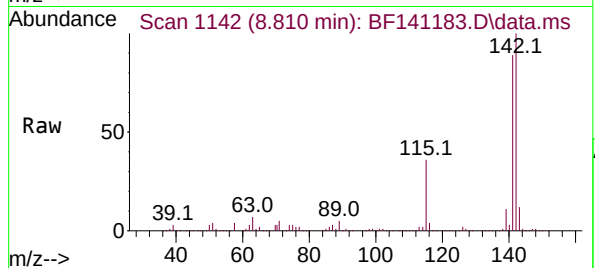
PB166033BSD

Tgt Ion:142 Resp: 994680

Ion Ratio Lower Upper

142 100

141 88.9 71.3 106.9



#38

1-Methylnaphthalene

Concen: 48.365 ng

RT: 8.910 min Scan# 1159

Delta R.T. -0.006 min

Lab File: BF141183.D

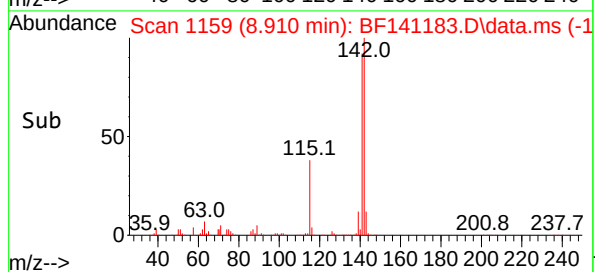
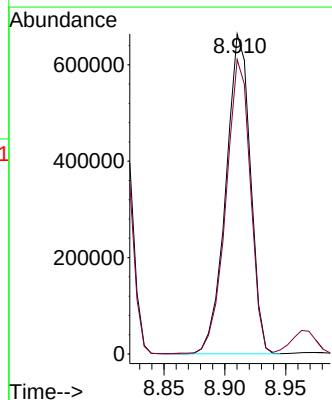
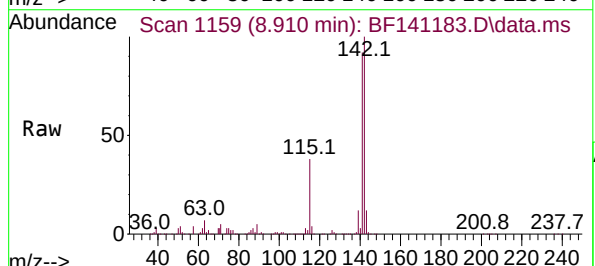
Acq: 16 Jan 2025 14:14

Tgt Ion:142 Resp: 928639

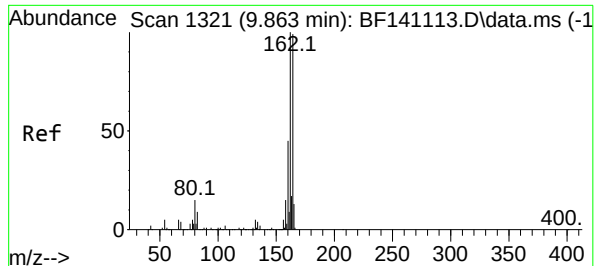
Ion Ratio Lower Upper

142 100

141 92.0 73.1 109.7







#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.857 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

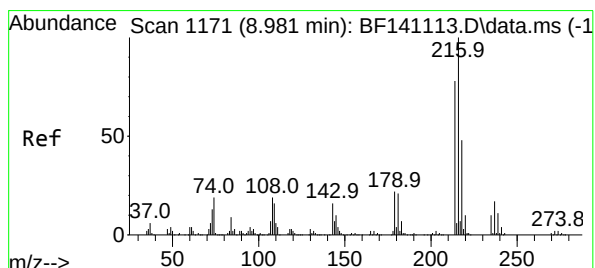
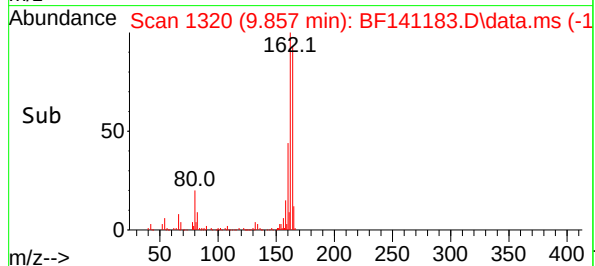
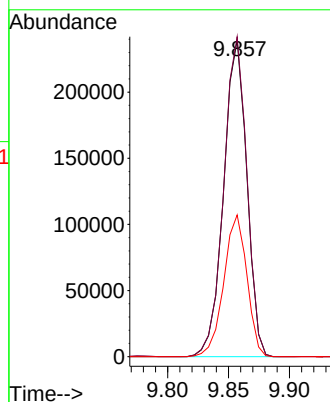
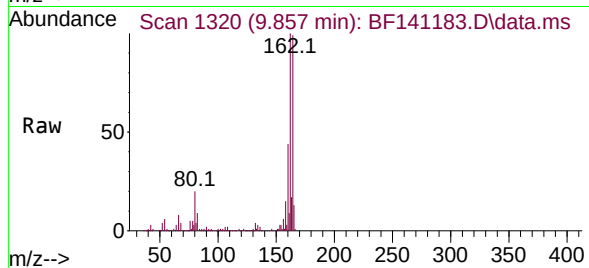
Tgt Ion:164 Resp: 316390

Ion Ratio Lower Upper

164 100

162 101.2 81.0 121.4

160 44.8 36.1 54.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.932 ng

RT: 8.981 min Scan# 1171

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Tgt Ion:216 Resp: 453432

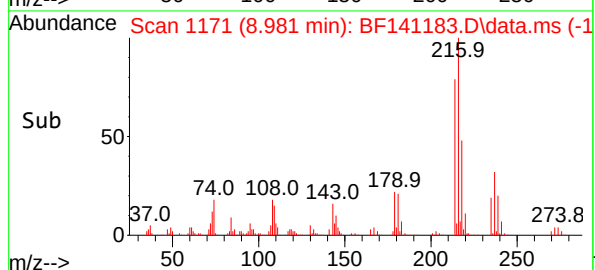
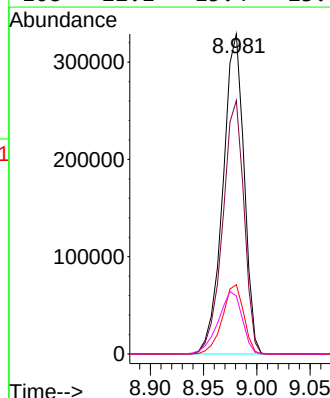
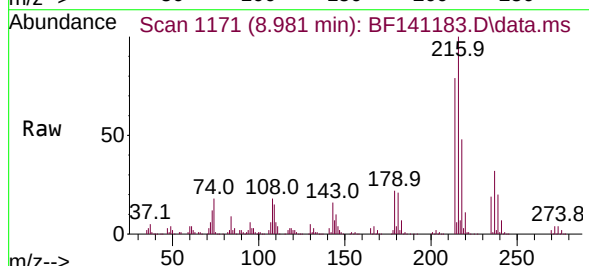
Ion Ratio Lower Upper

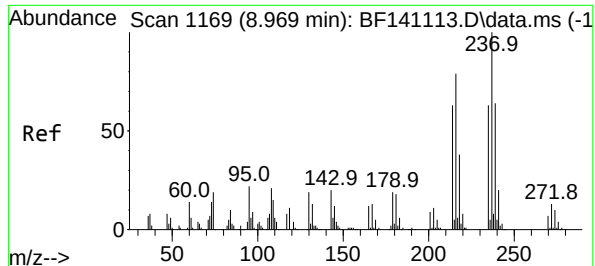
216 100

214 79.4 62.6 94.0

179 21.8 17.7 26.5

108 22.1 15.4 23.0





#41

Hexachlorocyclopentadiene

Concen: 198.804 ng

RT: 8.969 min Scan# 1169

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

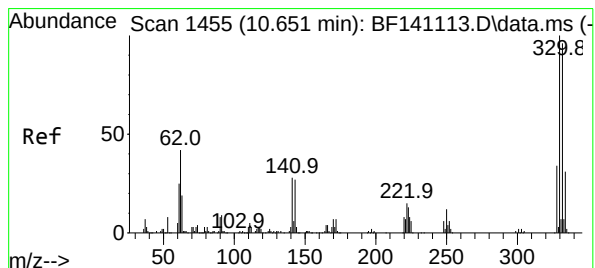
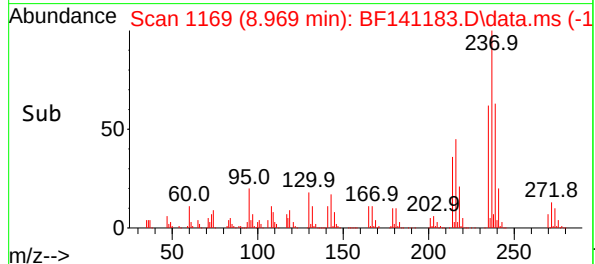
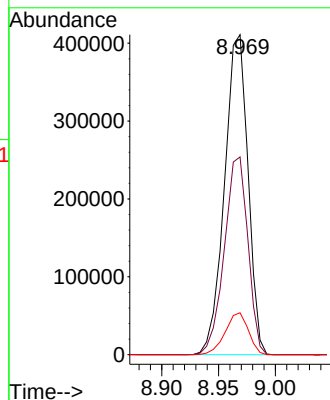
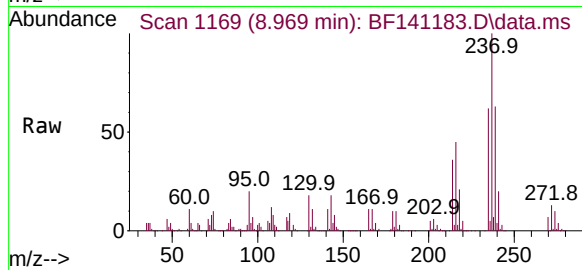
Tgt Ion:237 Resp: 590646

Ion Ratio Lower Upper

237 100

235 61.8 43.0 83.0

272 13.1 0.0 33.0



#42

2,4,6-Tribromophenol

Concen: 105.656 ng

RT: 10.645 min Scan# 1454

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

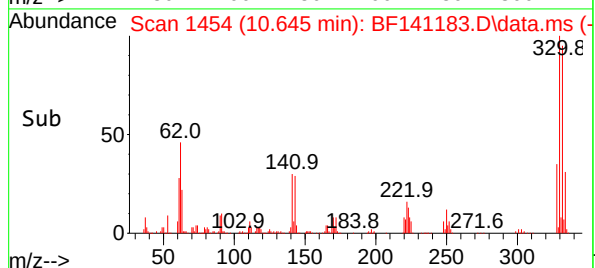
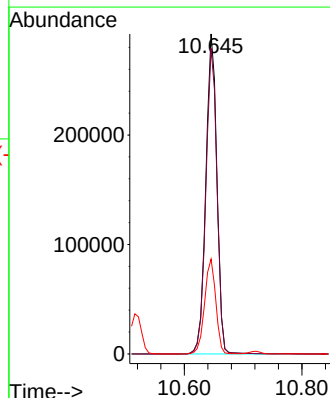
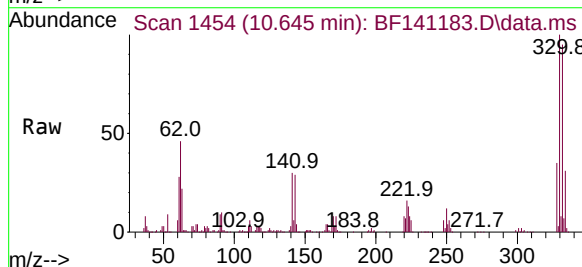
Tgt Ion:330 Resp: 380897

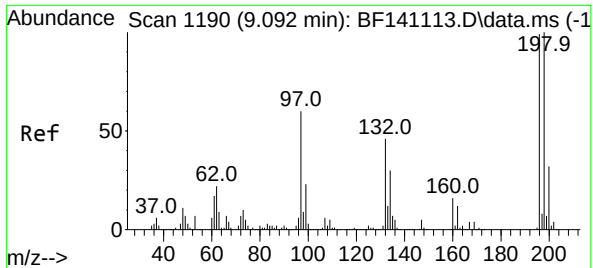
Ion Ratio Lower Upper

330 100

332 95.8 76.9 115.3

141 30.0 25.2 37.8





#43

2,4,6-Trichlorophenol

Concen: 53.687 ng

RT: 9.092 min Scan# 1190

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

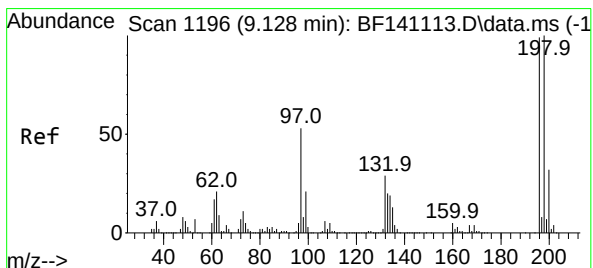
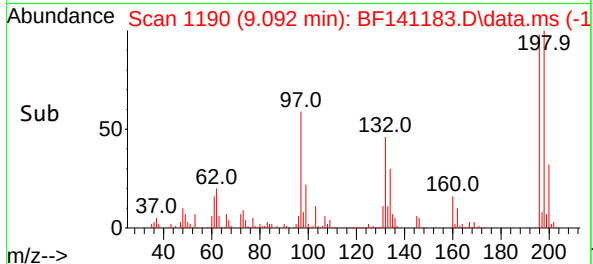
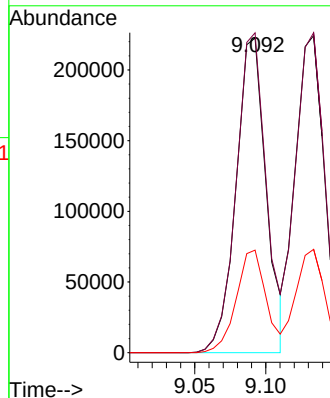
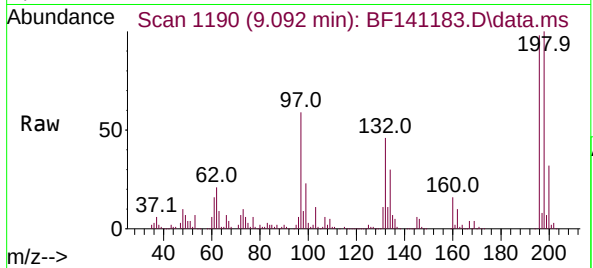
Tgt Ion:196 Resp: 328808

Ion Ratio Lower Upper

196 100

198 101.7 80.8 121.2

200 32.6 25.7 38.5



#44

2,4,5-Trichlorophenol

Concen: 49.435 ng

RT: 9.134 min Scan# 1197

Delta R.T. 0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Tgt Ion:196 Resp: 319761

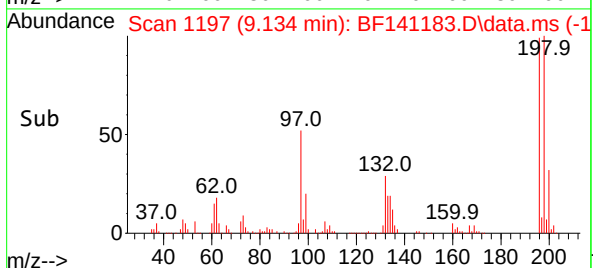
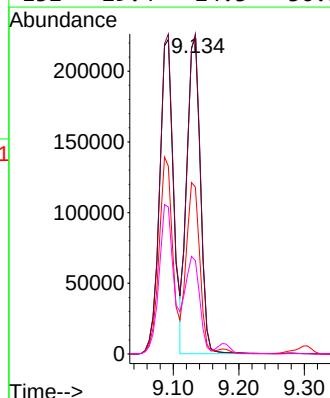
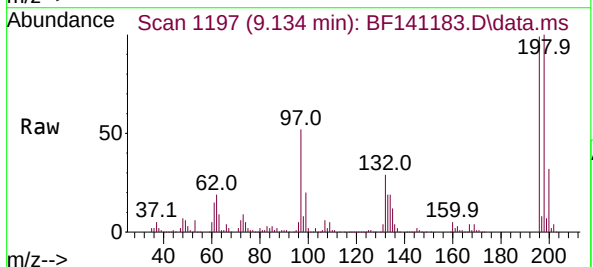
Ion Ratio Lower Upper

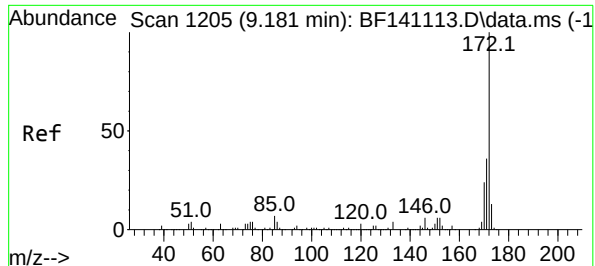
196 100

198 100.9 80.6 120.8

97 52.6 43.1 64.7

132 29.4 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 95.530 ng

RT: 9.175 min Scan# 1204

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

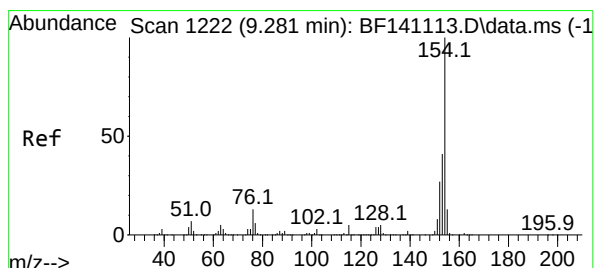
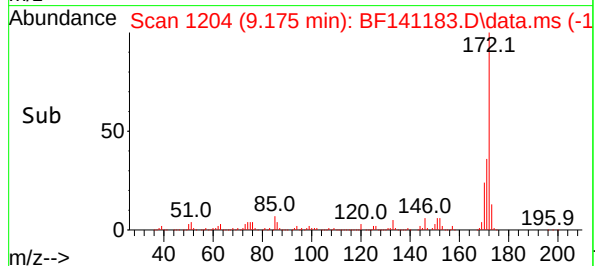
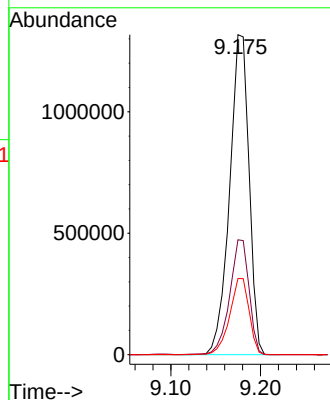
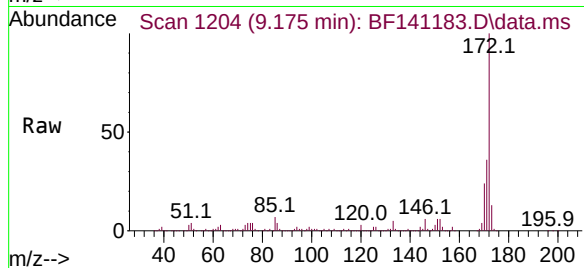
Tgt Ion:172 Resp: 1979294

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: 49.751 ng

RT: 9.281 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

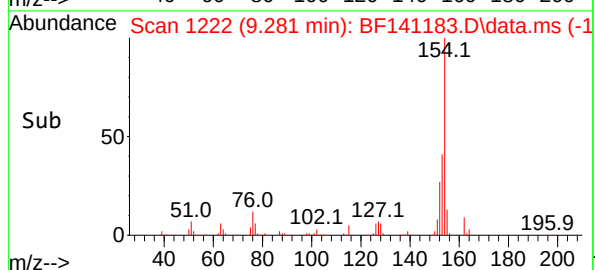
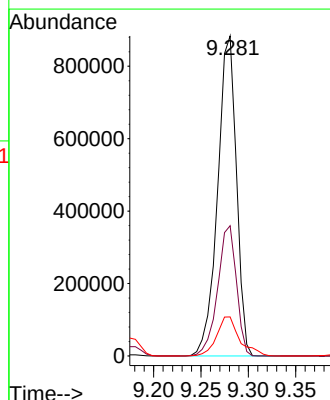
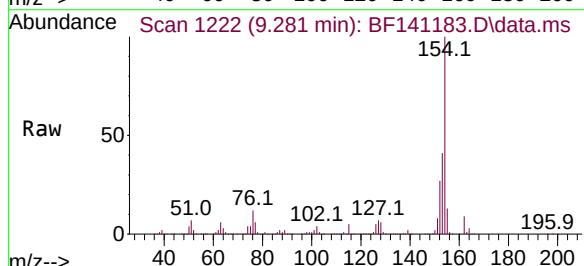
Tgt Ion:154 Resp: 1222418

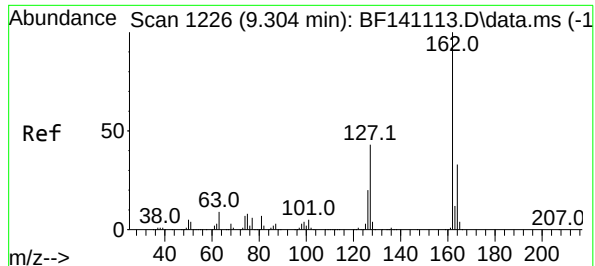
Ion Ratio Lower Upper

154 100

153 40.7 20.7 60.7

76 12.2 0.0 33.1





#47

2-Chloronaphthalene

Concen: 48.347 ng

RT: 9.304 min Scan# 1226

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

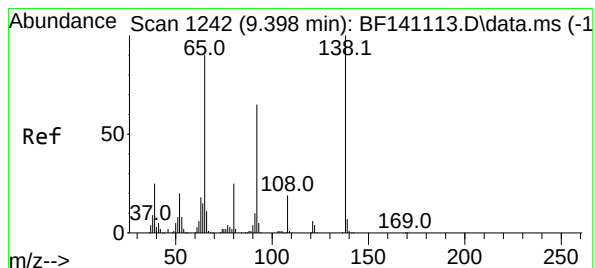
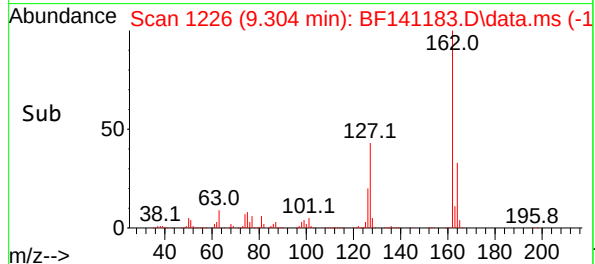
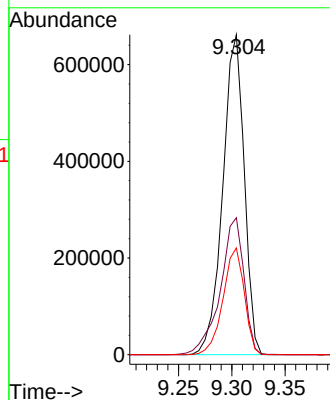
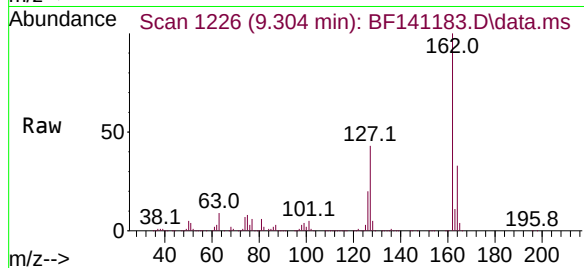
Tgt Ion:162 Resp: 925244

Ion Ratio Lower Upper

162 100

127 42.8 34.6 51.8

164 33.3 26.5 39.7



#48

2-Nitroaniline

Concen: 51.744 ng

RT: 9.398 min Scan# 1242

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

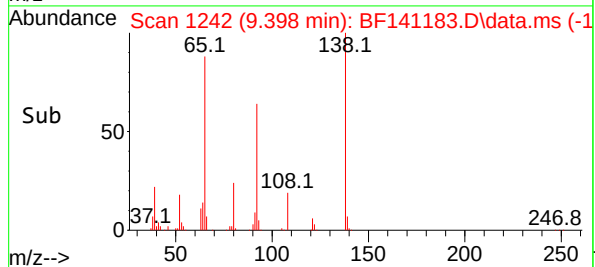
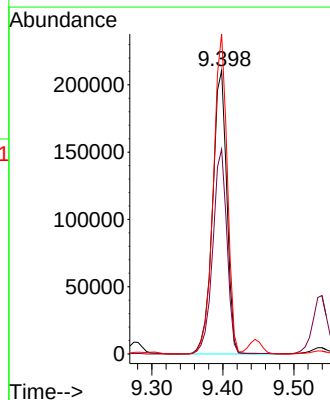
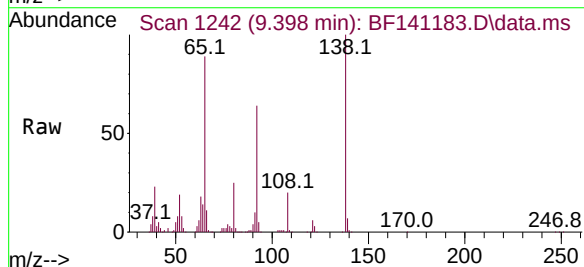
Tgt Ion: 65 Resp: 293543

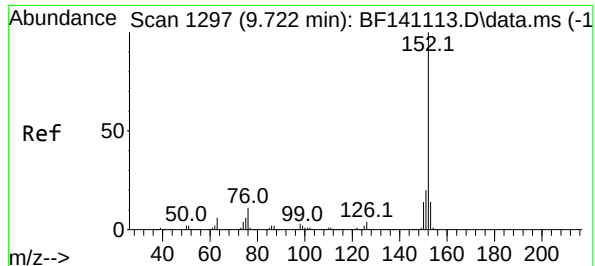
Ion Ratio Lower Upper

65 100

92 72.2 58.3 87.5

138 112.9 89.1 133.7





#49

Acenaphthylene

Concen: 53.168 ng

RT: 9.716 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

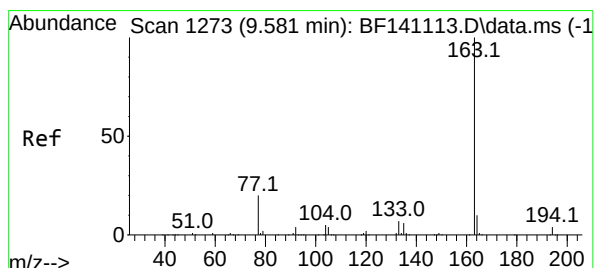
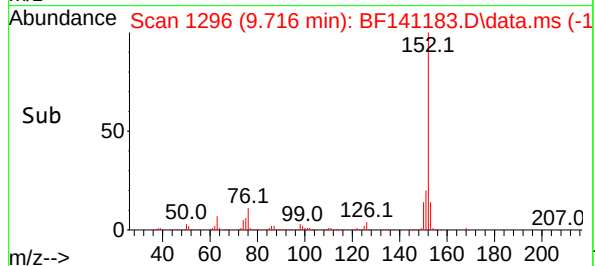
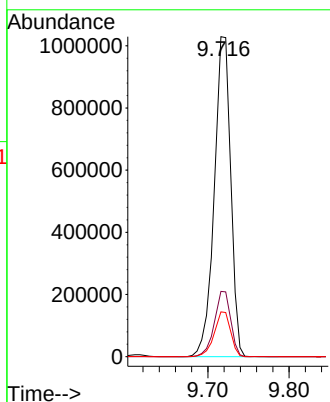
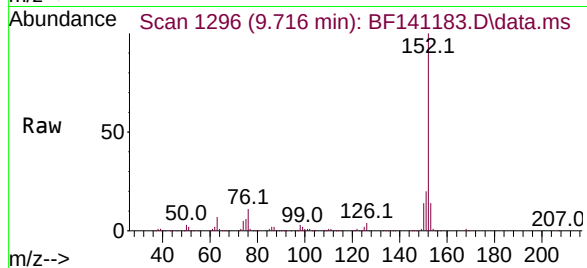
Tgt Ion:152 Resp: 1453718

Ion Ratio Lower Upper

152 100

151 20.4 16.1 24.1

153 14.0 11.1 16.7



#50

Dimethylphthalate

Concen: 52.553 ng

RT: 9.581 min Scan# 1273

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

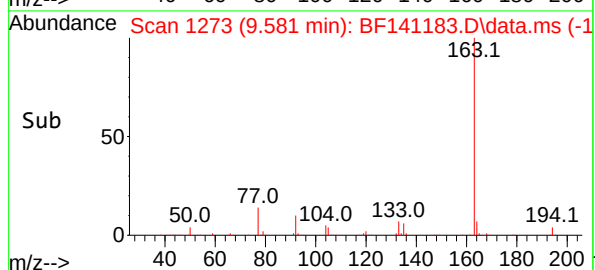
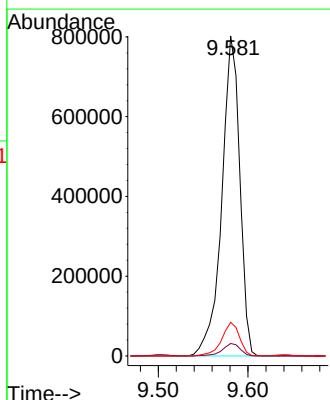
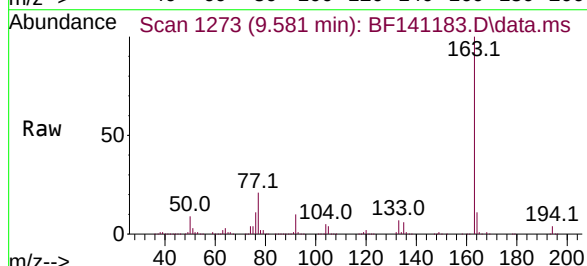
Tgt Ion:163 Resp: 1116248

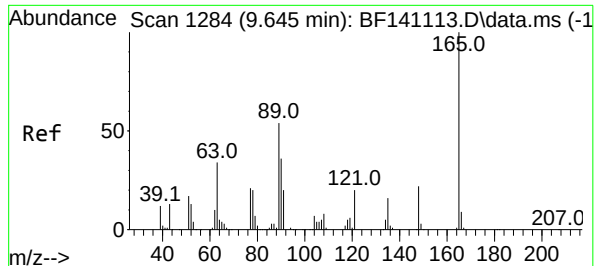
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.5 8.2 12.4





#51

2,6-Dinitrotoluene

Concen: 49.953 ng

RT: 9.639 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

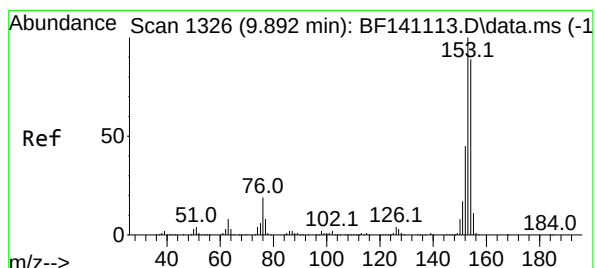
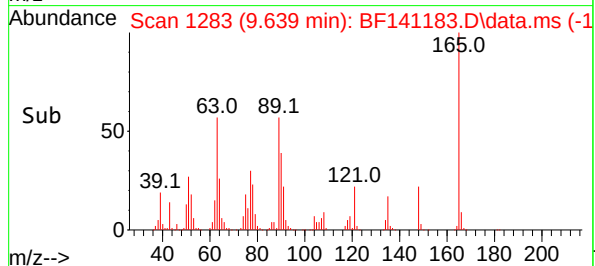
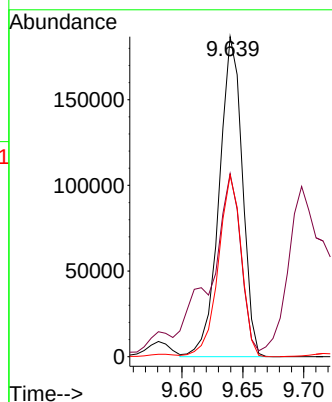
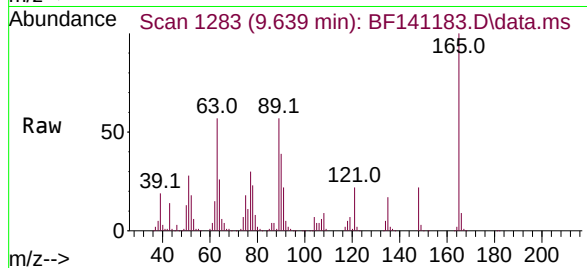
Tgt Ion:165 Resp: 246736

Ion Ratio Lower Upper

165 100

63 57.2 42.3 63.5

89 56.7 43.1 64.7



#52

Acenaphthene

Concen: 57.114 ng

RT: 9.892 min Scan# 1326

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

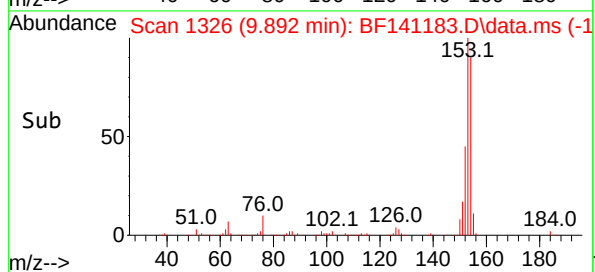
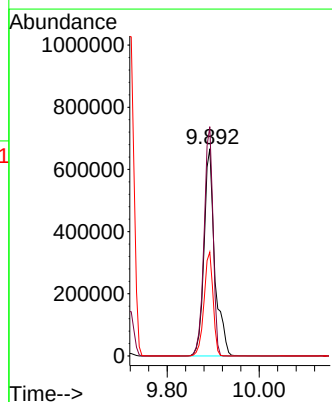
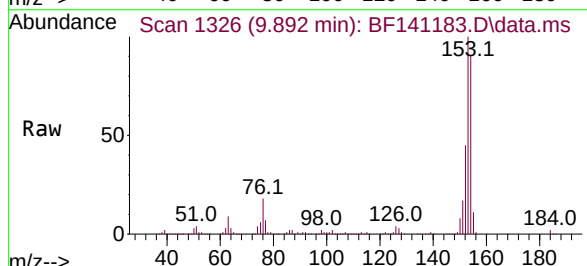
Tgt Ion:154 Resp: 1091014

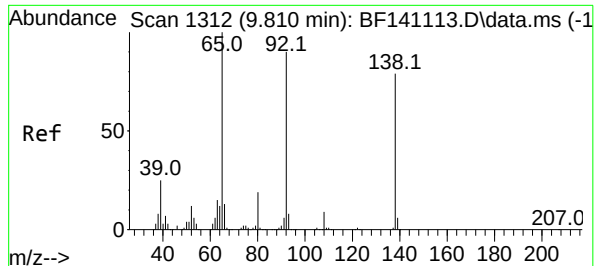
Ion Ratio Lower Upper

154 100

153 110.6 89.8 134.6

152 50.1 40.8 61.2

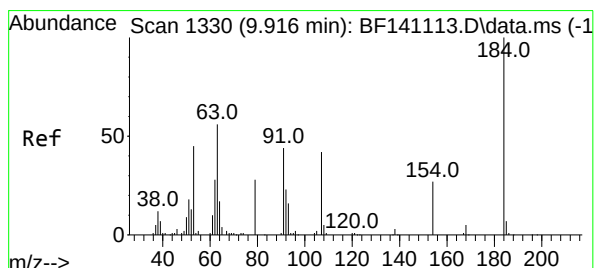
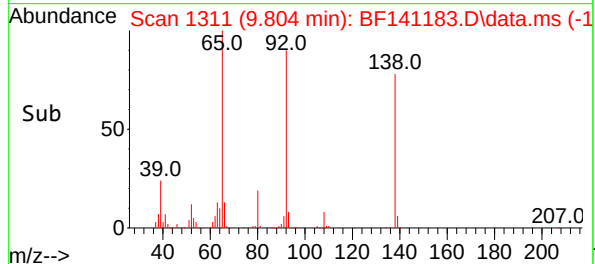
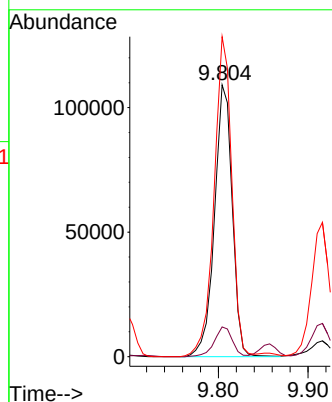
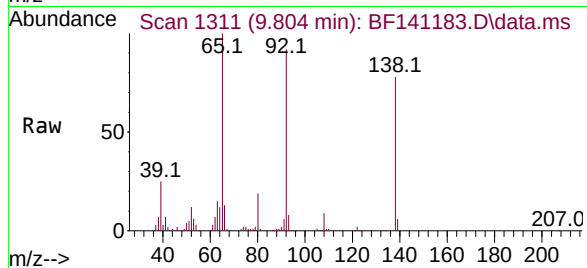




#53  
3-Nitroaniline  
Concen: 29.897 ng  
RT: 9.804 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

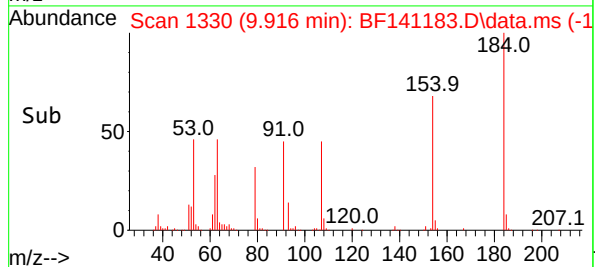
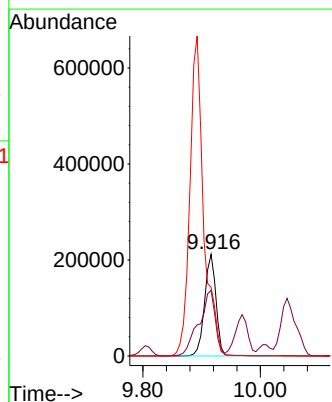
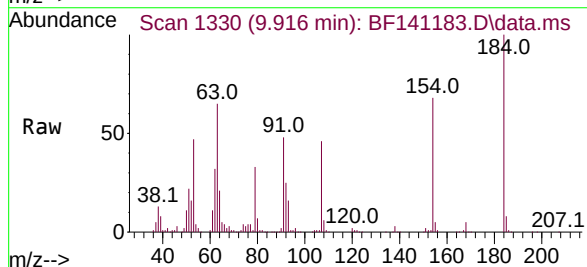
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BSD

Tgt Ion:138 Resp: 150065  
Ion Ratio Lower Upper  
138 100  
108 10.9 8.8 13.2  
92 117.7 91.3 136.9

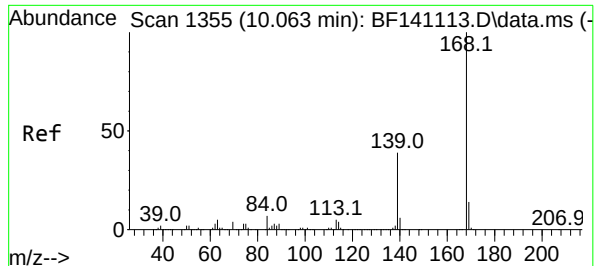


#54  
2,4-Dinitrophenol  
Concen: 121.783 ng  
RT: 9.916 min Scan# 1330  
Delta R.T. -0.000 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

Tgt Ion:184 Resp: 285921  
Ion Ratio Lower Upper  
184 100  
63 64.6 48.7 73.1  
154 67.6 57.1 85.7







#55

Dibenzofuran

Concen: 50.845 ng

RT: 10.063 min Scan# 1355

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

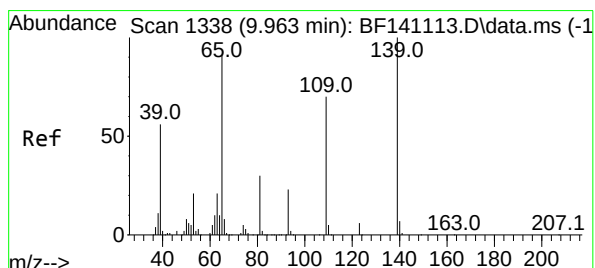
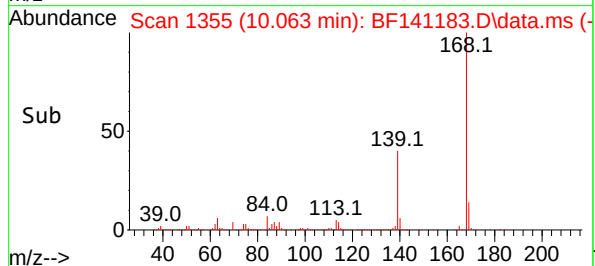
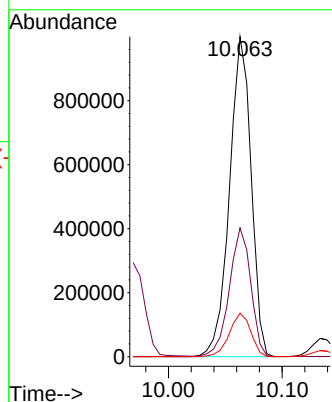
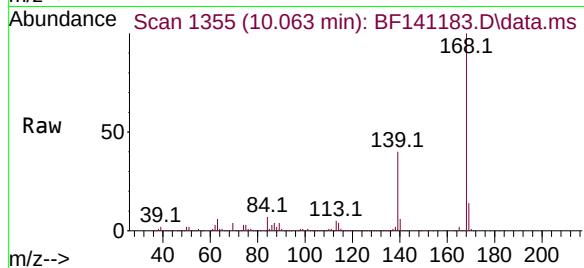
Tgt Ion:168 Resp: 1321122

Ion Ratio Lower Upper

168 100

139 40.3 31.4 47.0

169 13.6 10.9 16.3



#56

4-Nitrophenol

Concen: 110.986 ng

RT: 9.969 min Scan# 1339

Delta R.T. 0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

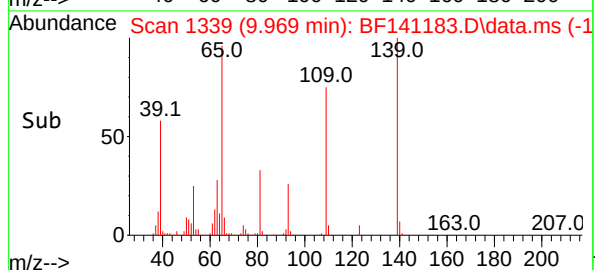
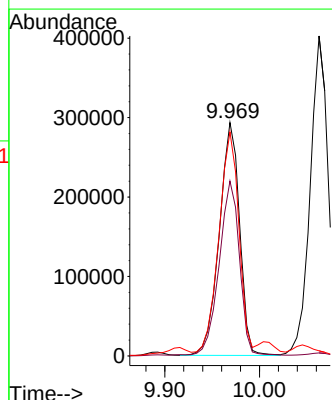
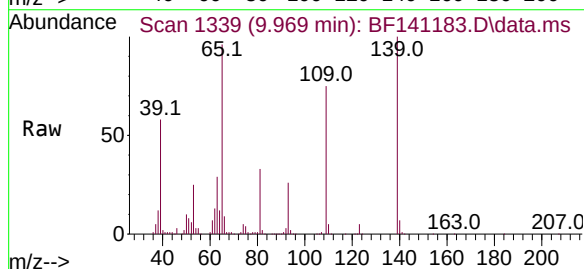
Tgt Ion:139 Resp: 436294

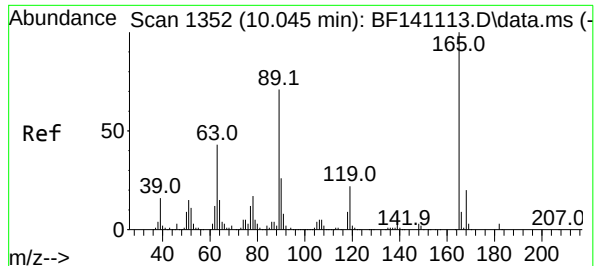
Ion Ratio Lower Upper

139 100

109 74.9 50.2 90.2

65 95.9 72.1 112.1





#57

2,4-Dinitrotoluene

Concen: 53.680 ng

RT: 10.045 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

Tgt Ion:165 Resp: 341705

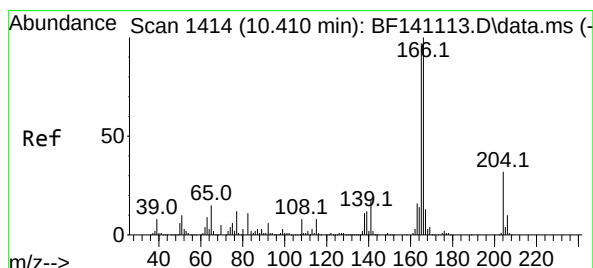
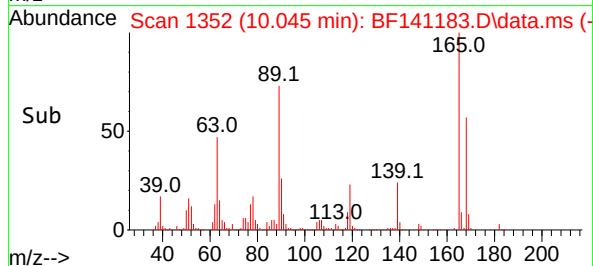
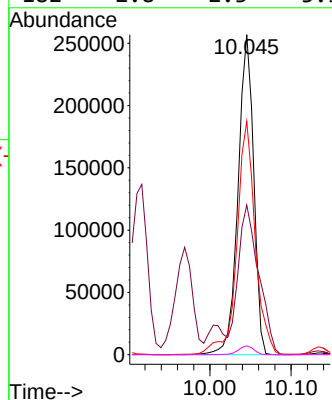
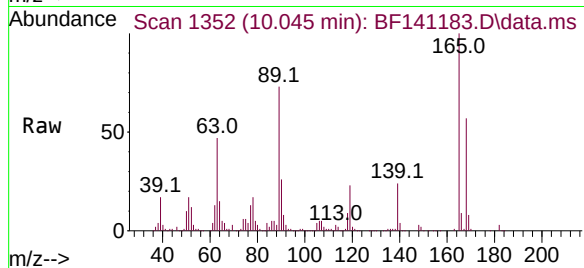
Ion Ratio Lower Upper

165 100

63 46.7 35.0 52.4

89 73.0 56.7 85.1

182 2.8 2.3 3.5



#58

Fluorene

Concen: 50.646 ng

RT: 10.404 min Scan# 1413

Delta R.T. -0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

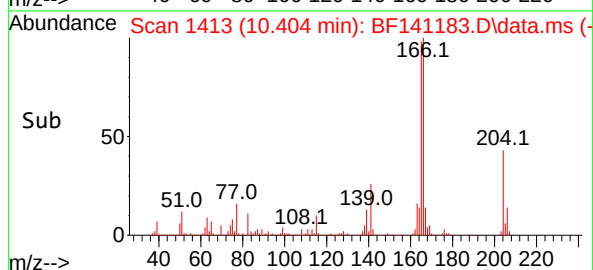
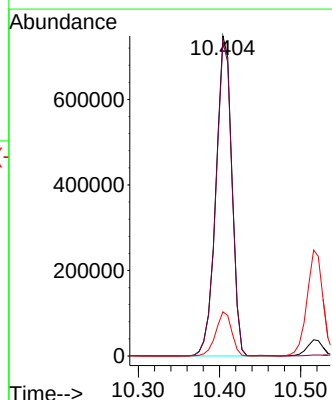
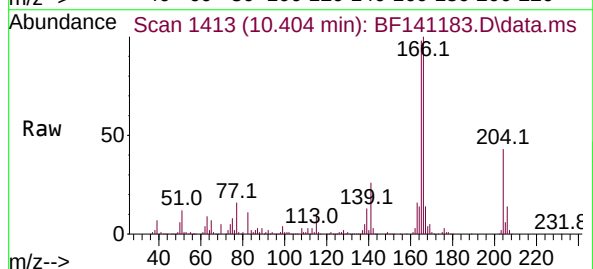
Tgt Ion:166 Resp: 1022349

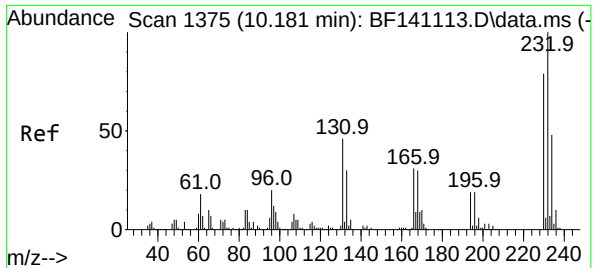
Ion Ratio Lower Upper

166 100

165 98.2 77.8 116.8

167 13.8 10.8 16.2

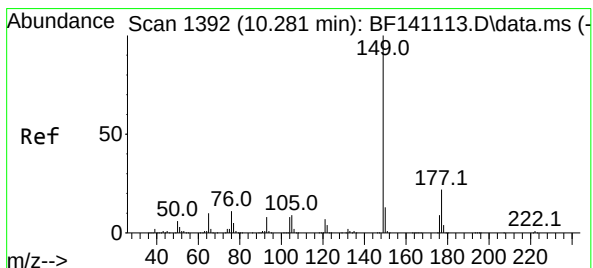
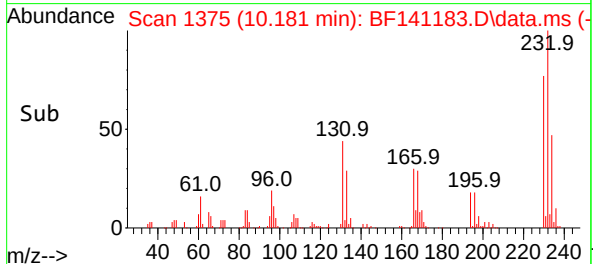
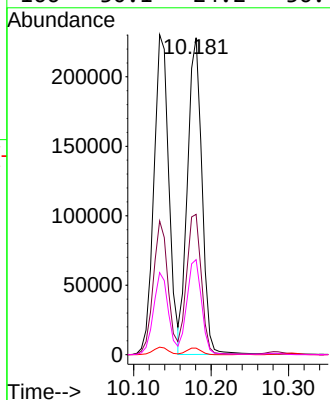
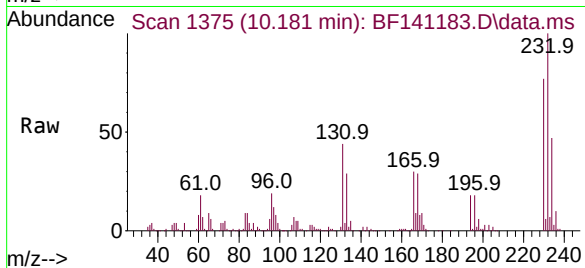




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 54.887 ng  
RT: 10.181 min Scan# 1375  
Delta R.T. 0.000 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

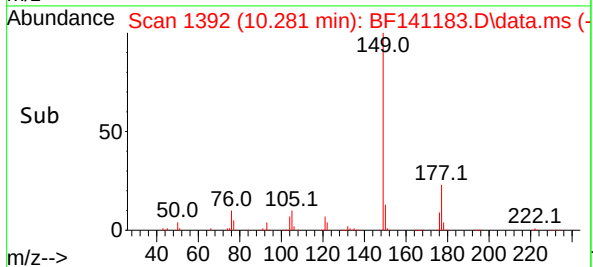
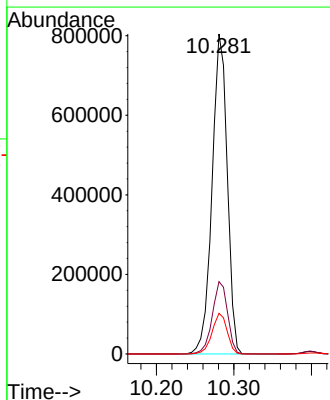
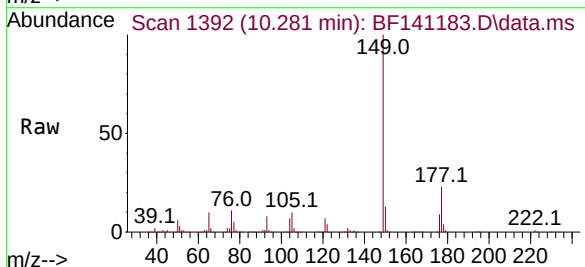
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BSD

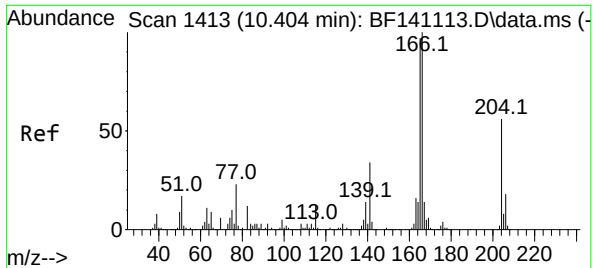
Tgt Ion:232 Resp: 295102  
Ion Ratio Lower Upper  
232 100  
131 45.5 36.2 54.4  
130 2.1 2.0 3.0  
166 30.1 24.2 36.4



#60  
Diethylphthalate  
Concen: 52.739 ng  
RT: 10.281 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

Tgt Ion:149 Resp: 1093604  
Ion Ratio Lower Upper  
149 100  
177 22.6 17.9 26.9  
150 12.7 10.2 15.2

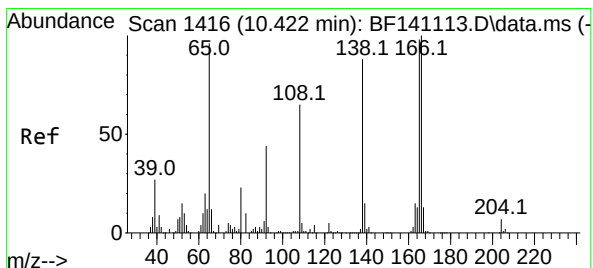
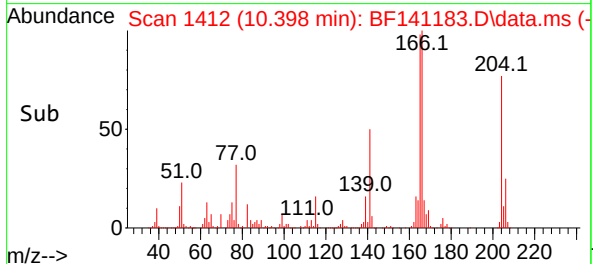
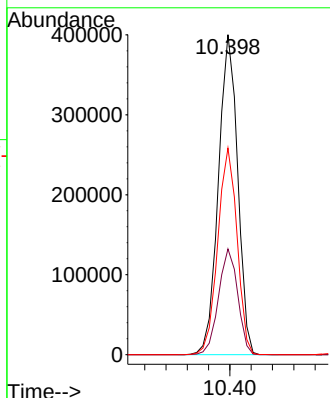
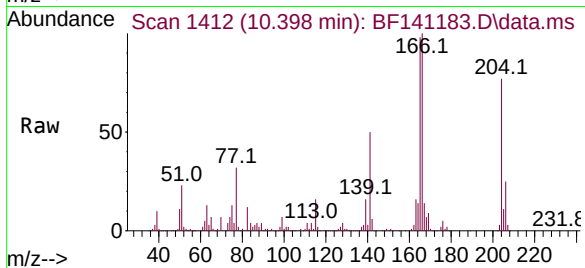




#61  
4-Chlorophenyl-phenylether  
Concen: 50.925 ng  
RT: 10.398 min Scan# 1413  
Delta R.T. -0.006 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

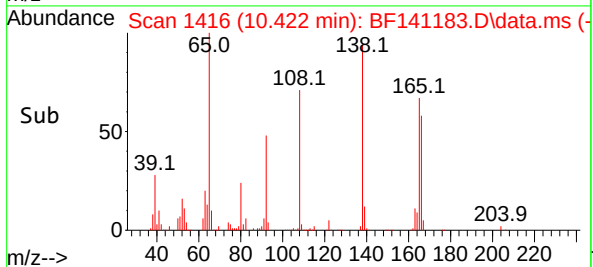
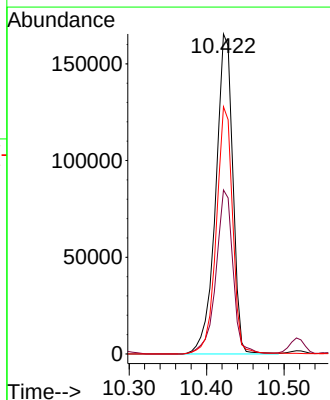
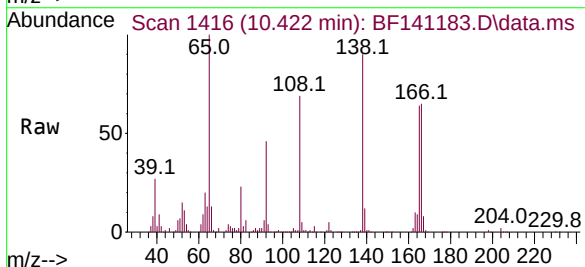
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BSD

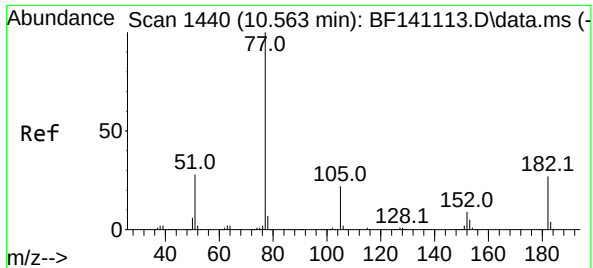
Tgt Ion:204 Resp: 501027  
Ion Ratio Lower Upper  
204 100  
206 33.1 25.9 38.9  
141 64.6 49.1 73.7



#62  
4-Nitroaniline  
Concen: 51.678 ng  
RT: 10.422 min Scan# 1416  
Delta R.T. 0.000 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

Tgt Ion:138 Resp: 253886  
Ion Ratio Lower Upper  
138 100  
92 51.2 29.4 69.4  
108 77.2 53.7 93.7

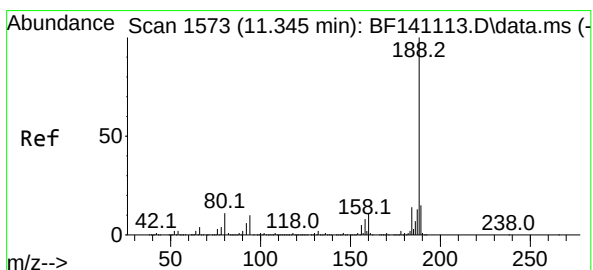
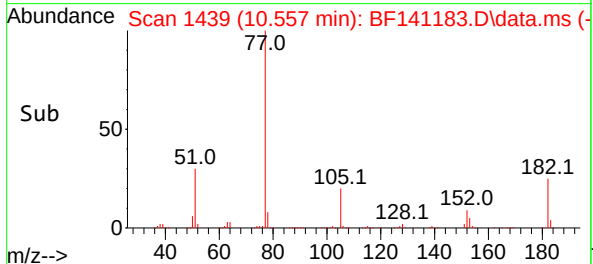
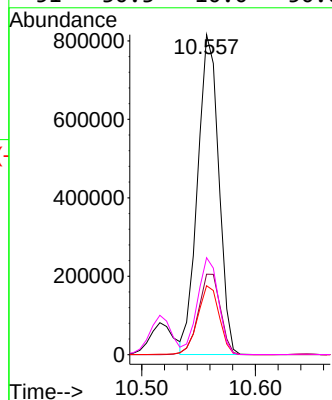
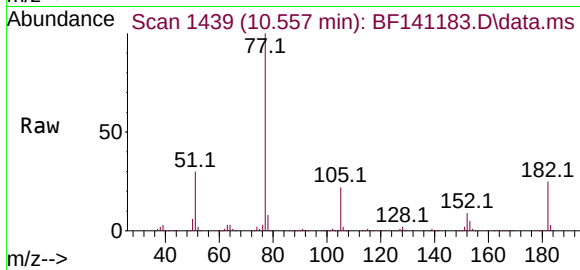




#63  
Azobenzene  
Concen: 51.534 ng  
RT: 10.557 min Scan# 1440  
Delta R.T. -0.006 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

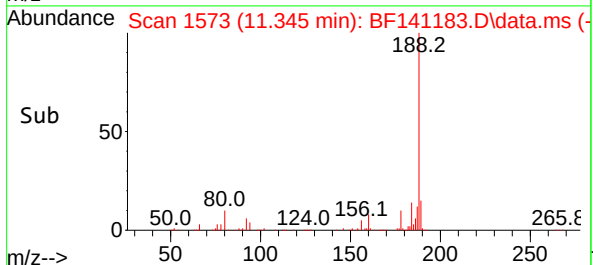
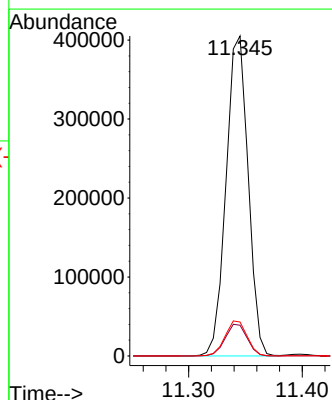
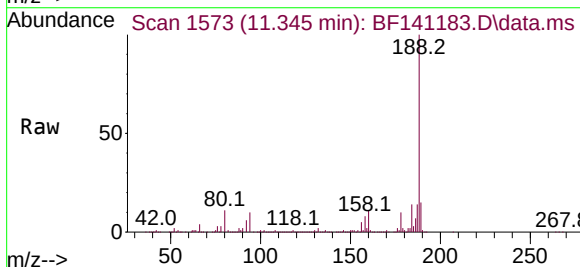
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BSD

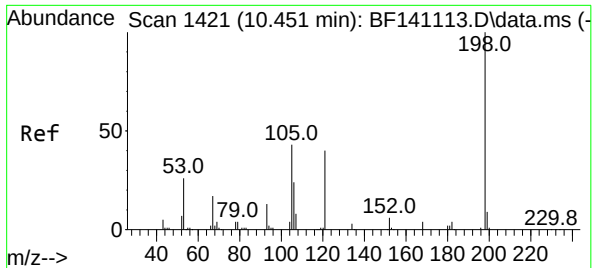
Tgt Ion: 77 Resp: 1054432  
Ion Ratio Lower Upper  
77 100  
182 25.2 6.1 46.1  
105 21.6 2.1 42.1  
51 30.3 10.0 50.0



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.345 min Scan# 1573  
Delta R.T. 0.000 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

Tgt Ion: 188 Resp: 547331  
Ion Ratio Lower Upper  
188 100  
94 9.6 8.3 12.5  
80 10.6 9.0 13.4

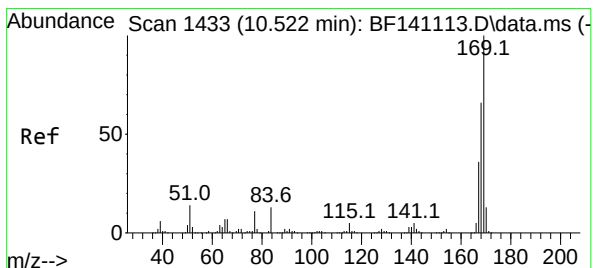
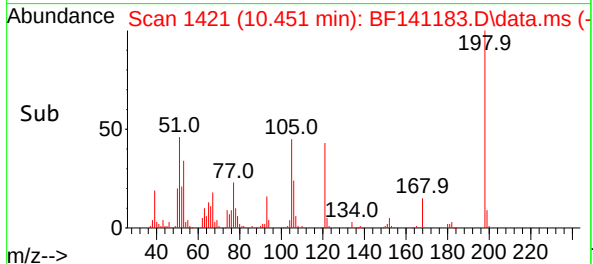
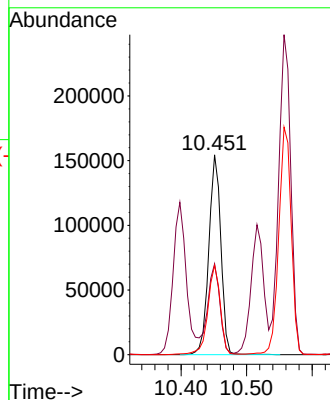
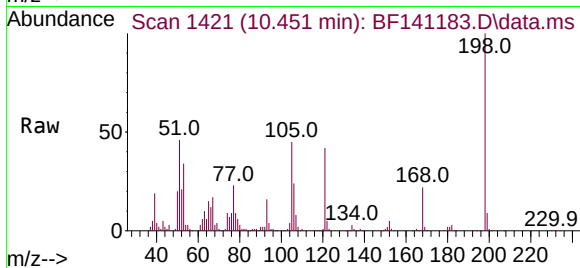




#65  
4,6-Dinitro-2-methylphenol  
Concen: 62.454 ng  
RT: 10.451 min Scan# 1421  
Delta R.T. 0.000 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

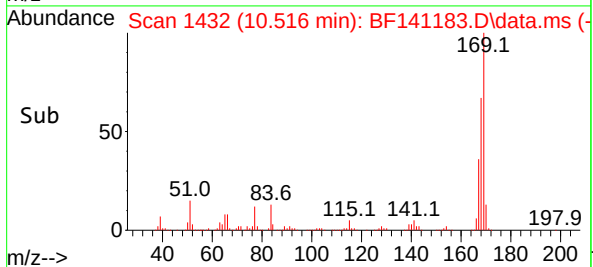
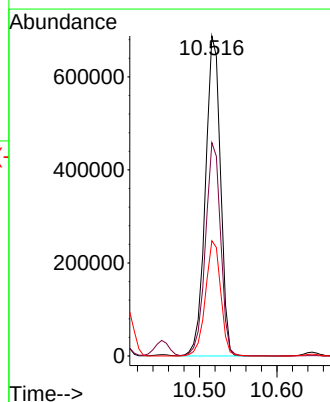
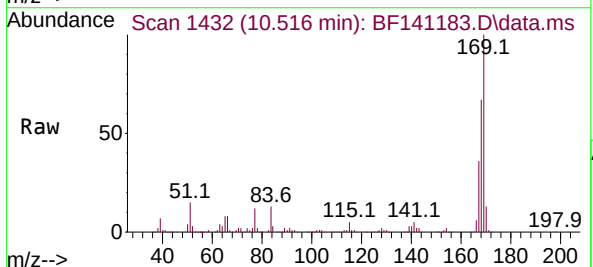
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BSD

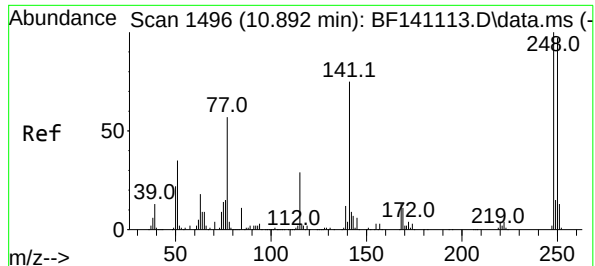
Tgt Ion:198 Resp: 198081  
Ion Ratio Lower Upper  
198 100  
51 45.5 27.1 67.1  
105 44.8 24.2 64.2



#66  
n-Nitrosodiphenylamine  
Concen: 52.534 ng  
RT: 10.516 min Scan# 1432  
Delta R.T. -0.006 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

Tgt Ion:169 Resp: 927421  
Ion Ratio Lower Upper  
169 100  
168 66.7 52.5 78.7  
167 36.0 28.9 43.3

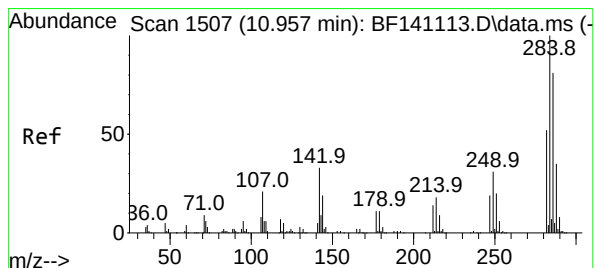
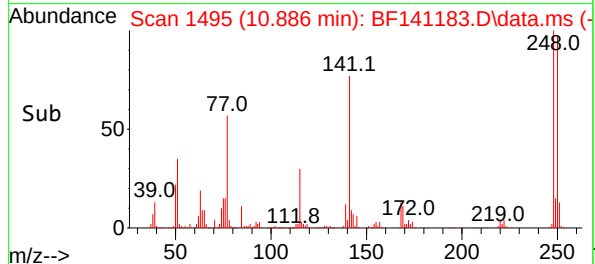
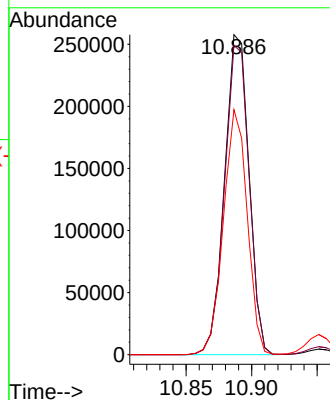
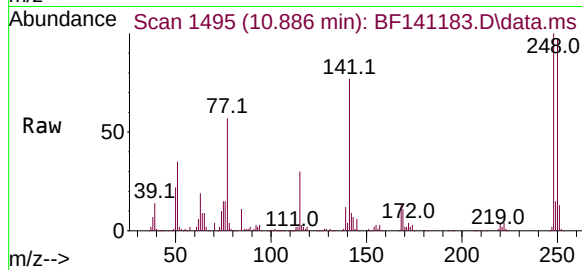




#67  
4-Bromophenyl-phenylether  
Concen: 53.209 ng  
RT: 10.886 min Scan# 1495  
Delta R.T. -0.006 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

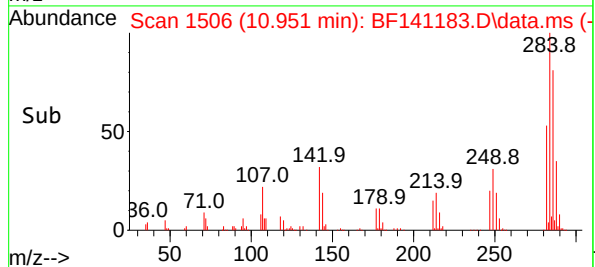
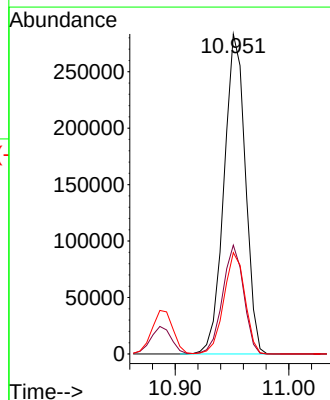
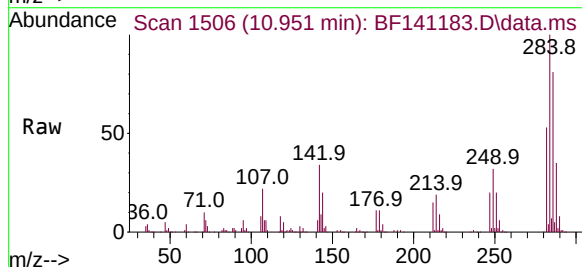
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BSD

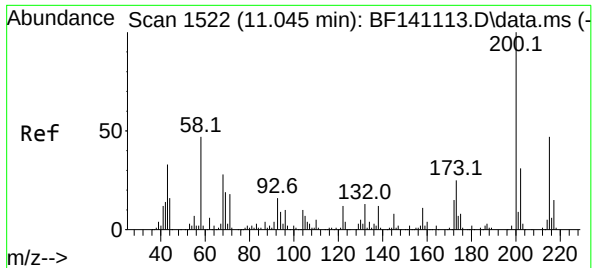
Tgt Ion:248 Resp: 335291  
Ion Ratio Lower Upper  
248 100  
250 96.6 77.9 116.9  
141 76.5 59.9 89.9



#68  
Hexachlorobenzene  
Concen: 52.781 ng  
RT: 10.951 min Scan# 1506  
Delta R.T. -0.006 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

Tgt Ion:284 Resp: 370243  
Ion Ratio Lower Upper  
284 100  
142 34.0 26.3 39.5  
249 31.6 24.9 37.3





#69

Atrazine

Concen: 68.588 ng

RT: 11.045 min Scan# 1522

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

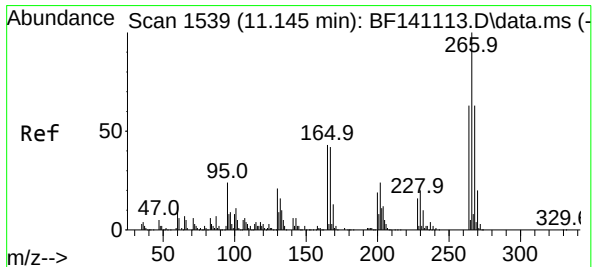
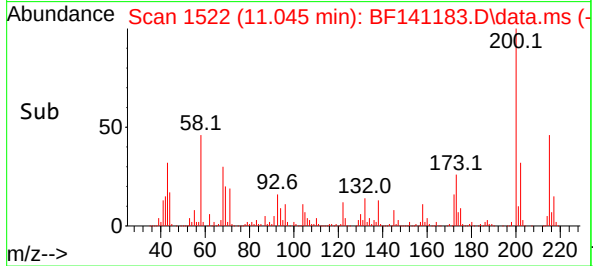
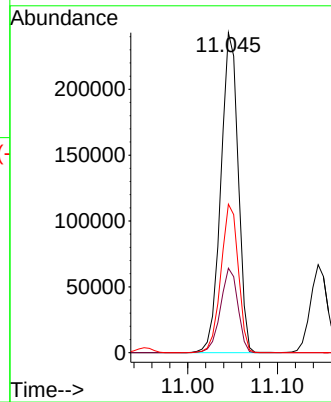
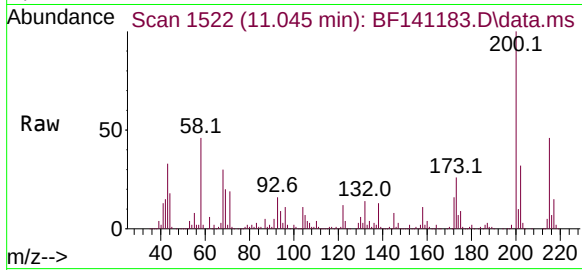
Tgt Ion:200 Resp: 326028

Ion Ratio Lower Upper

200 100

173 26.4 5.4 45.4

215 46.4 26.6 66.6



#70

Pentachlorophenol

Concen: 106.432 ng

RT: 11.145 min Scan# 1539

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

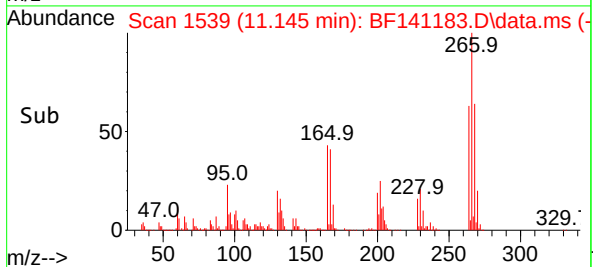
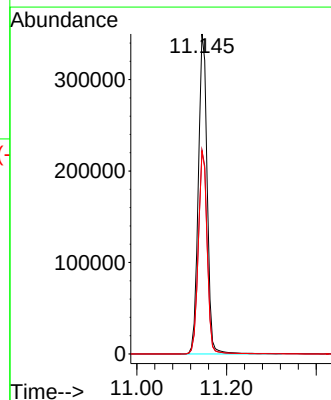
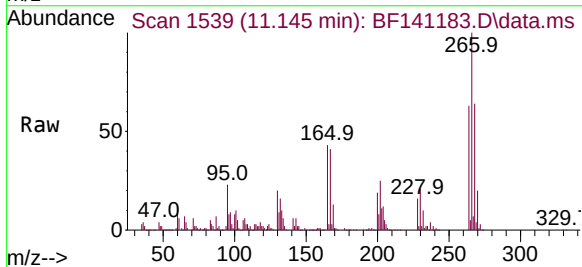
Tgt Ion:266 Resp: 478115

Ion Ratio Lower Upper

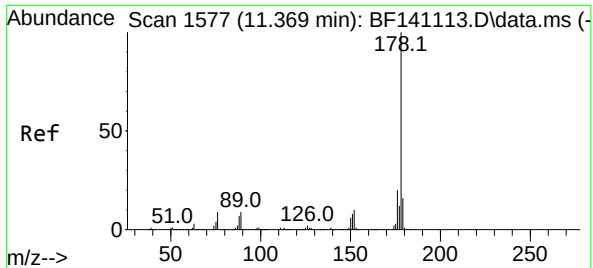
266 100

268 63.6 50.4 75.6

264 63.4 50.2 75.2







#71

Phenanthrene

Concen: 53.207 ng

RT: 11.369 min Scan# 1577

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

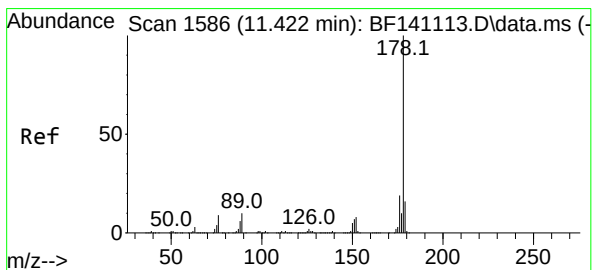
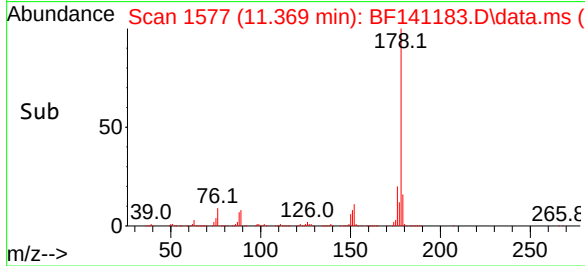
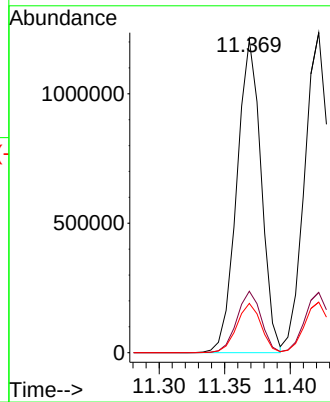
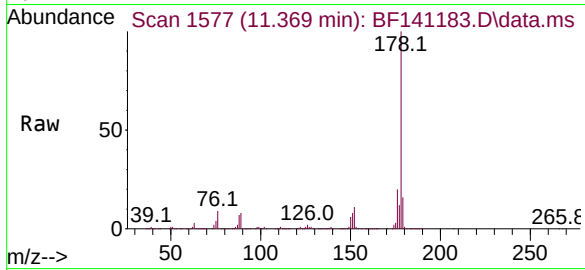
Tgt Ion:178 Resp: 1563458

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

179 15.8 12.6 19.0



#72

Anthracene

Concen: 56.094 ng

RT: 11.422 min Scan# 1586

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

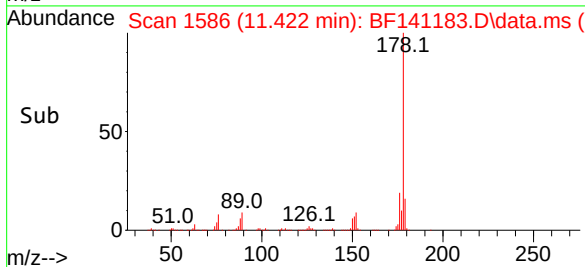
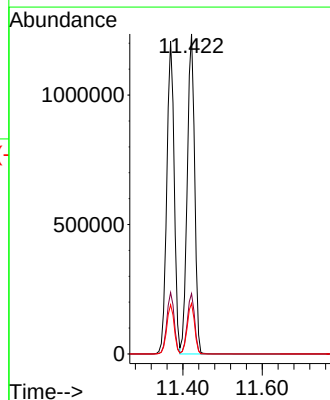
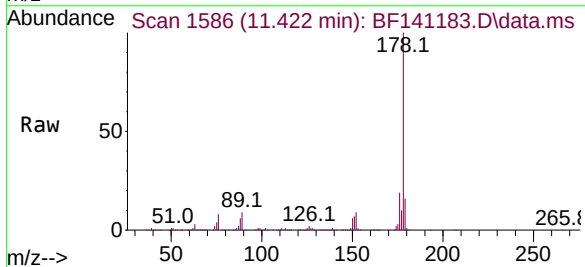
Tgt Ion:178 Resp: 1602727

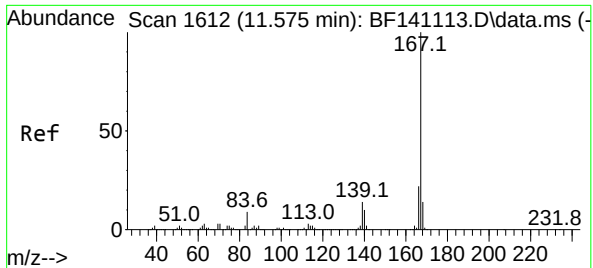
Ion Ratio Lower Upper

178 100

176 18.9 14.9 22.3

179 15.8 12.6 19.0



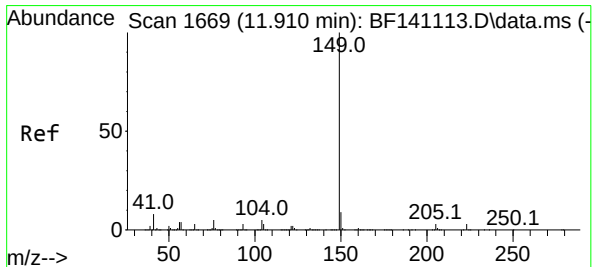
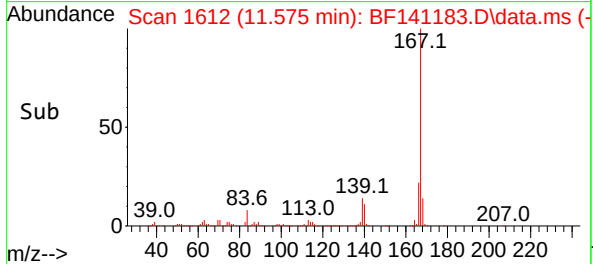
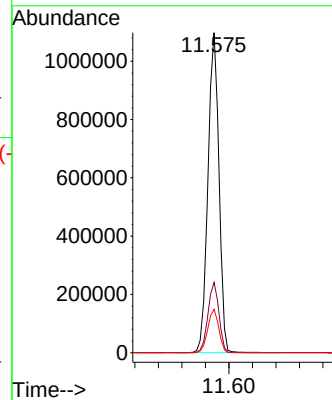
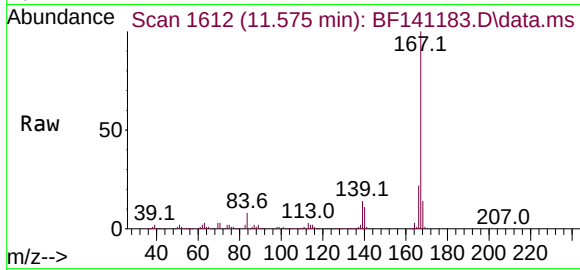


#73  
 Carbazole  
 Concen: 54.394 ng  
 RT: 11.575 min Scan# 1612  
 Delta R.T. 0.000 min  
 Lab File: BF141183.D  
 Acq: 16 Jan 2025 14:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB166033BSD

Tgt Ion:167 Resp: 1425054  

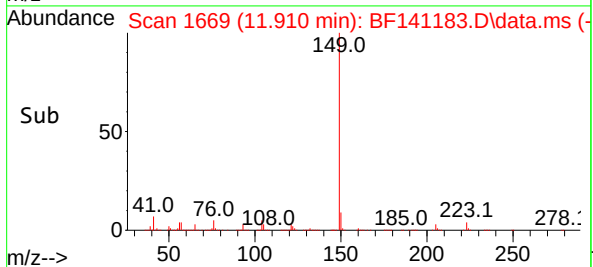
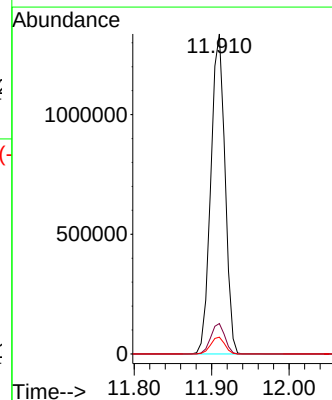
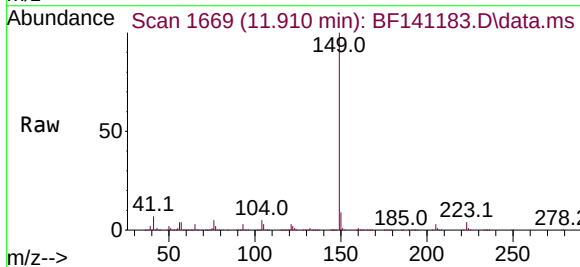
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 21.9  | 17.4  | 26.2  |
| 139 | 13.5  | 10.9  | 16.3  |

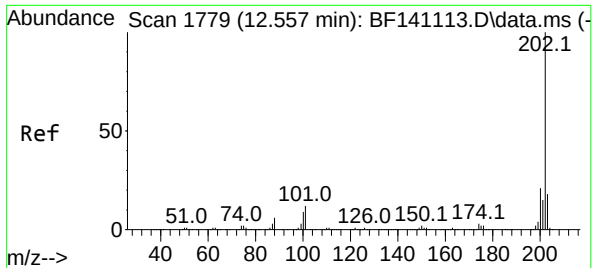


#74  
 Di-n-butylphthalate  
 Concen: 56.600 ng  
 RT: 11.910 min Scan# 1669  
 Delta R.T. 0.000 min  
 Lab File: BF141183.D  
 Acq: 16 Jan 2025 14:14

Tgt Ion:149 Resp: 1697004  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.5   | 7.4   | 11.2  |
| 104 | 5.2   | 4.2   | 6.2   |

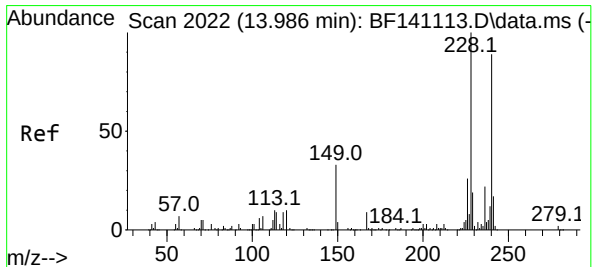
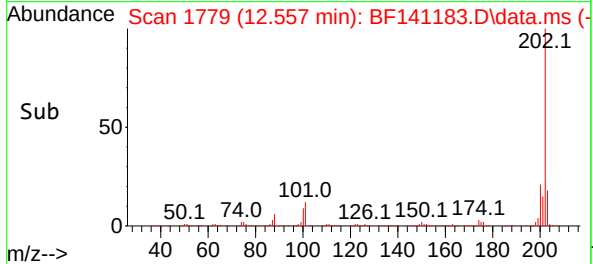
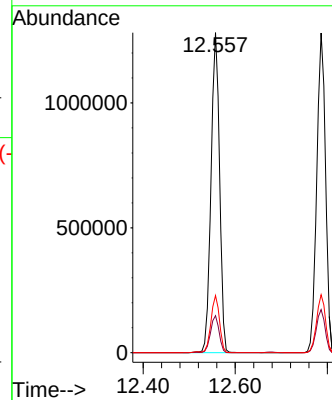
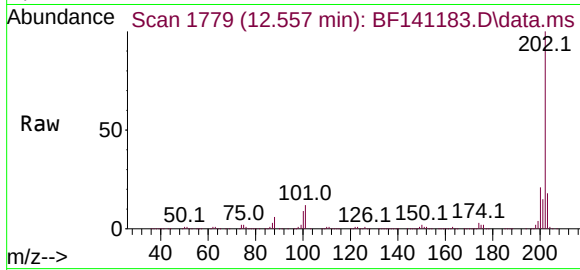




#75  
Fluoranthene  
Concen: 56.868 ng  
RT: 12.557 min Scan# 1779  
Delta R.T. 0.000 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

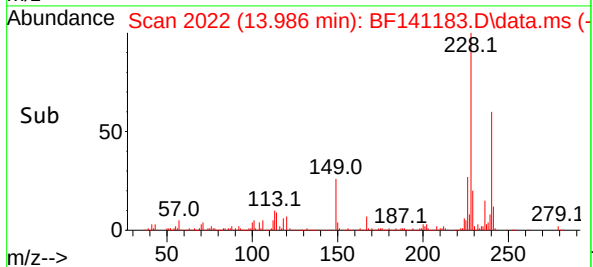
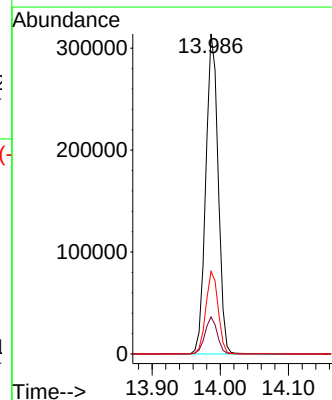
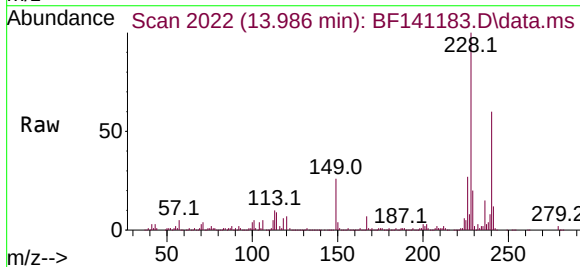
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BSD

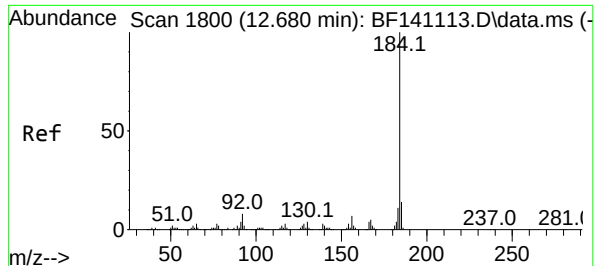
Tgt Ion:202 Resp: 1667541  
Ion Ratio Lower Upper  
202 100  
101 11.6 0.0 32.3  
203 17.8 0.0 37.7



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.986 min Scan# 2022  
Delta R.T. 0.000 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

Tgt Ion:240 Resp: 396431  
Ion Ratio Lower Upper  
240 100  
120 11.5 9.1 13.7  
236 25.8 19.8 29.6





#77

Benzidine

Concen: 59.957 ng

RT: 12.680 min Scan# 1800

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

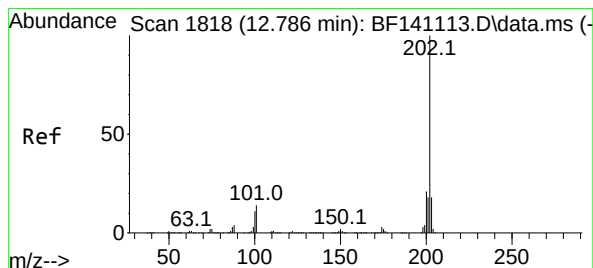
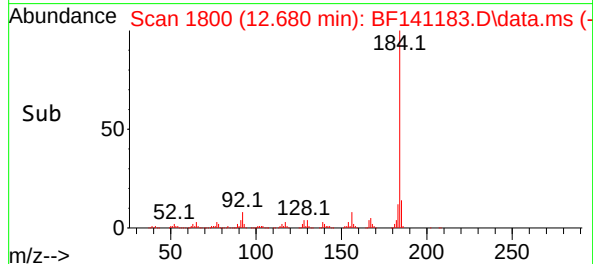
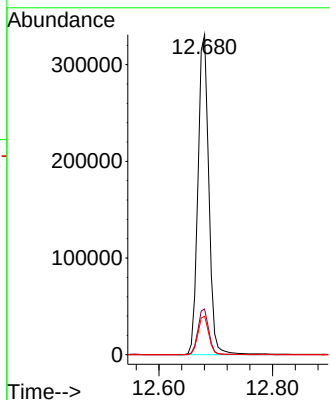
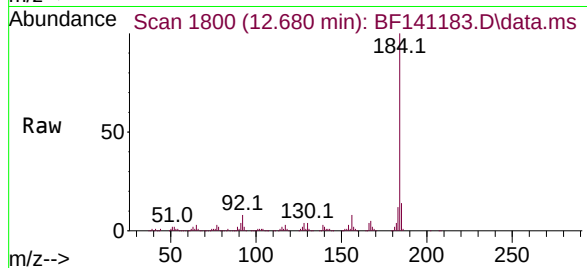
Tgt Ion:184 Resp: 440775

Ion Ratio Lower Upper

184 100

185 14.3 11.4 17.0

183 12.0 9.2 13.8



#78

Pyrene

Concen: 44.611 ng

RT: 12.786 min Scan# 1818

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

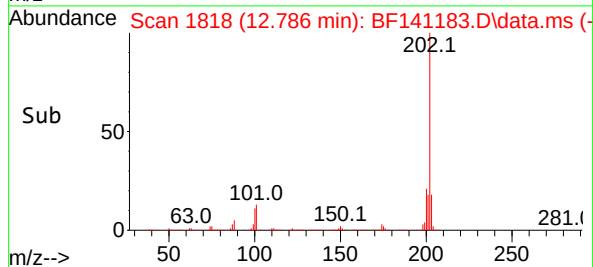
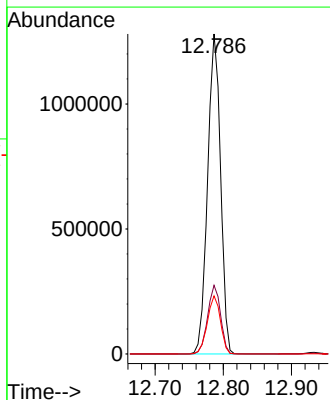
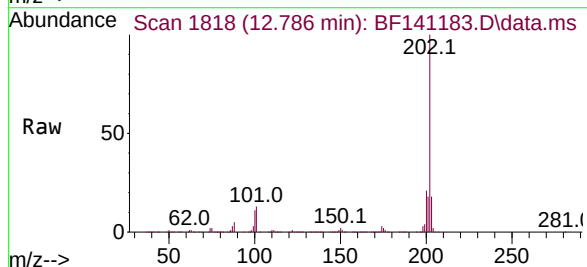
Tgt Ion:202 Resp: 1689167

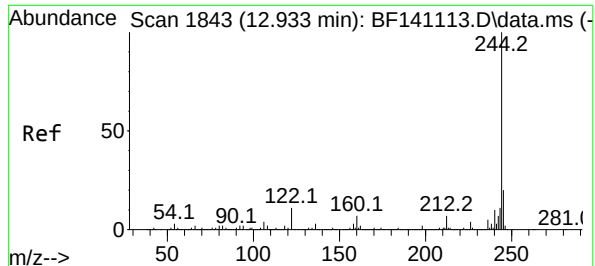
Ion Ratio Lower Upper

202 100

200 21.4 16.8 25.2

203 18.1 14.3 21.5





#79

Terphenyl-d14

Concen: 90.394 ng

RT: 12.933 min Scan# 1843

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

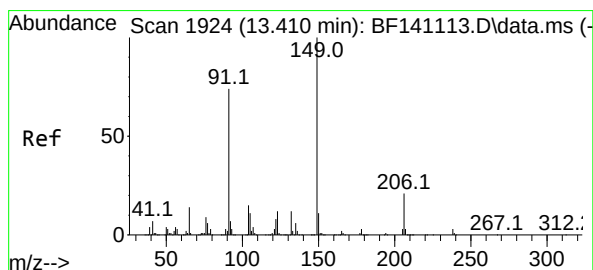
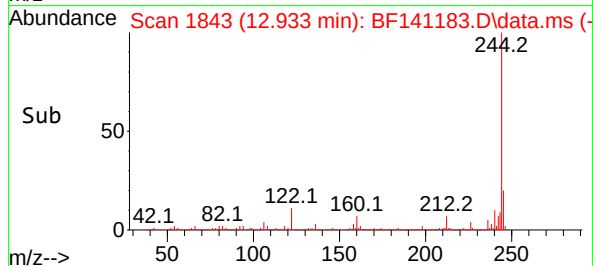
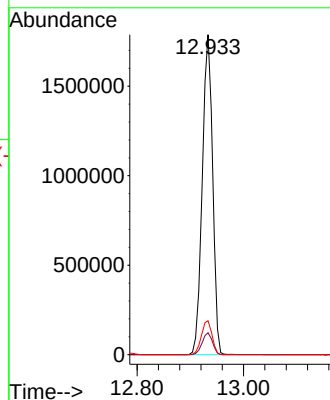
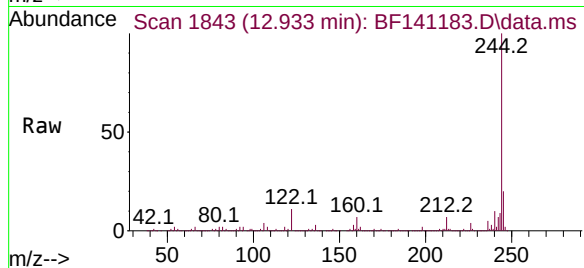
Tgt Ion:244 Resp: 2411012

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.2

122 10.6 8.8 13.2



#80

Butylbenzylphthalate

Concen: 55.084 ng

RT: 13.410 min Scan# 1924

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

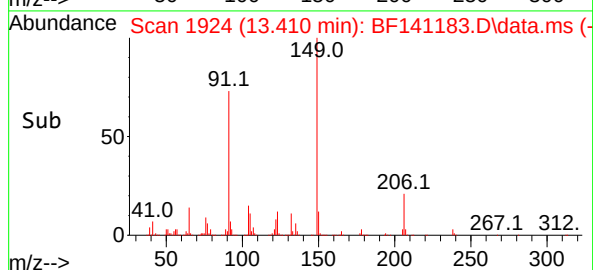
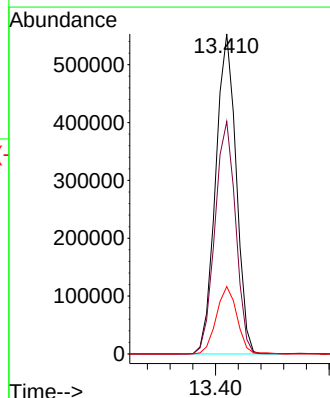
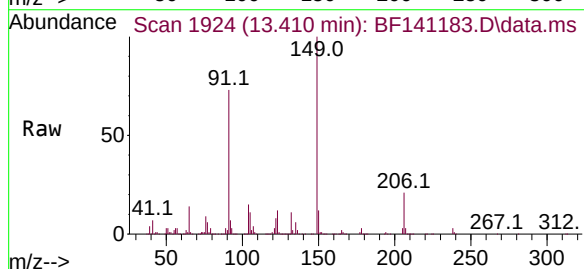
Tgt Ion:149 Resp: 695393

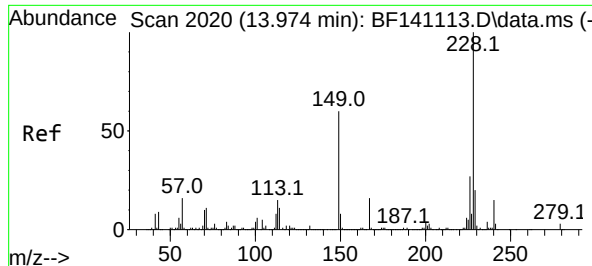
Ion Ratio Lower Upper

149 100

91 72.6 59.0 88.6

206 21.1 16.5 24.7





#81

Benzo(a)anthracene

Concen: 52.327 ng

RT: 13.974 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

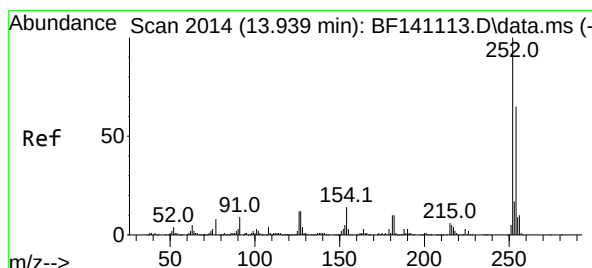
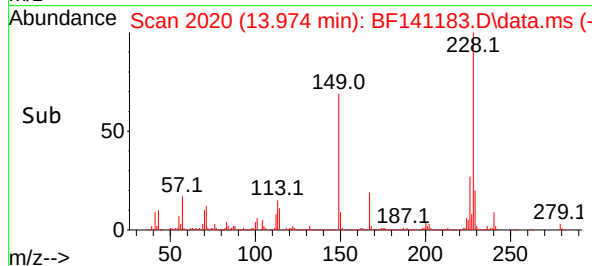
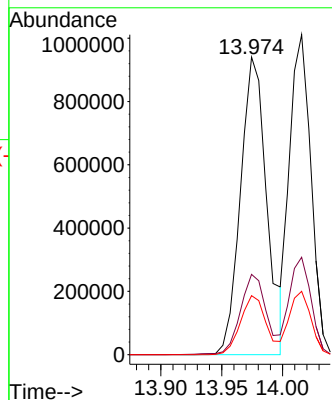
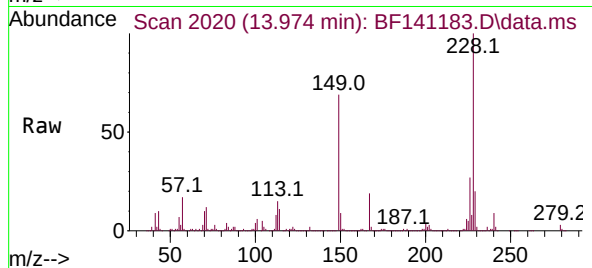
Tgt Ion:228 Resp: 1411740

Ion Ratio Lower Upper

228 100

226 27.0 21.7 32.5

229 19.8 15.7 23.5



#82

3,3'-Dichlorobenzidine

Concen: 28.854 ng

RT: 13.939 min Scan# 2014

Delta R.T. 0.000 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

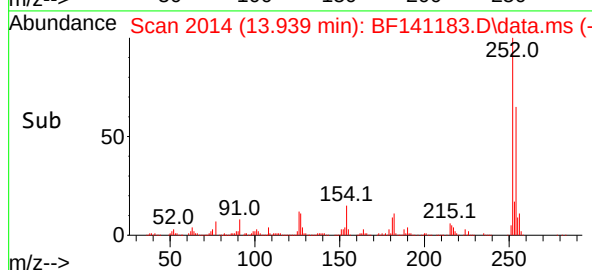
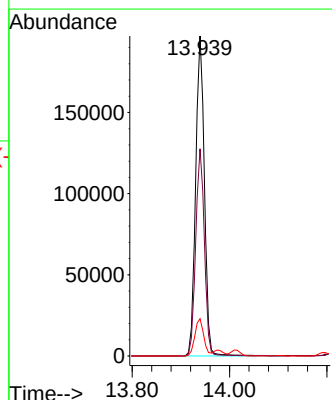
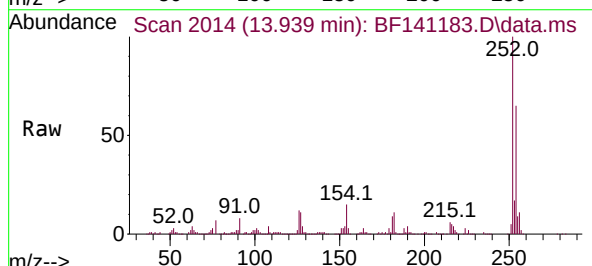
Tgt Ion:252 Resp: 247878

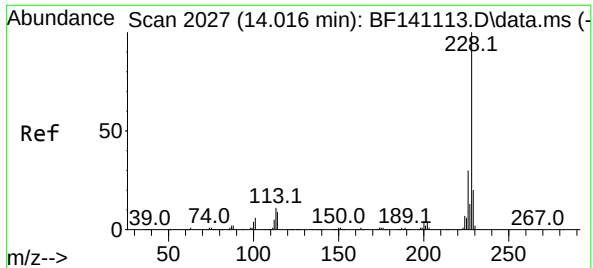
Ion Ratio Lower Upper

252 100

254 64.8 52.0 78.0

126 11.6 9.4 14.0

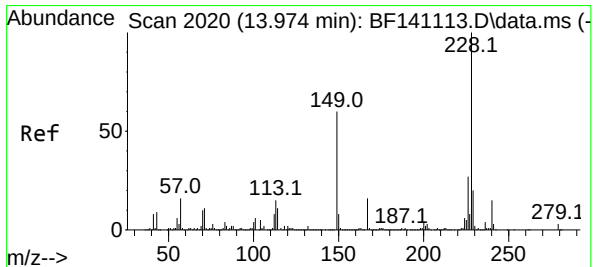
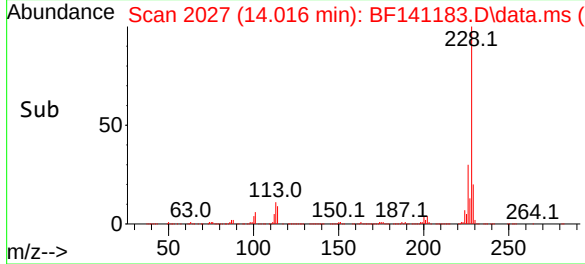
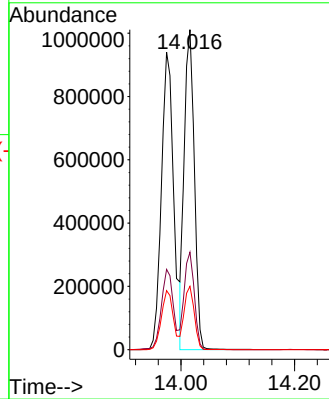
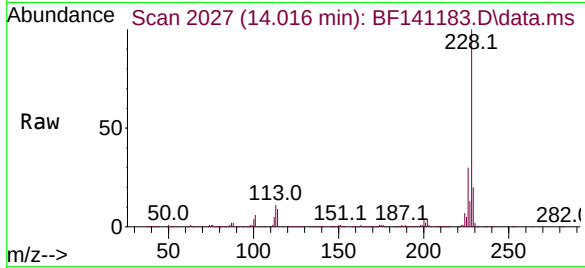




#83  
Chrysene  
Concen: 49.161 ng  
RT: 14.016 min Scan# 2027  
Delta R.T. 0.000 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

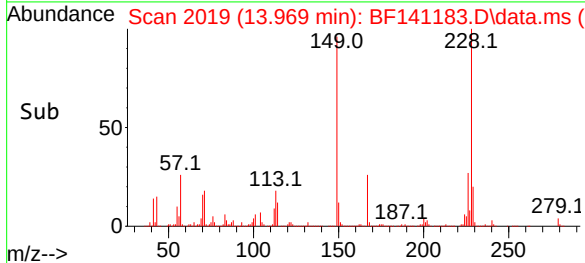
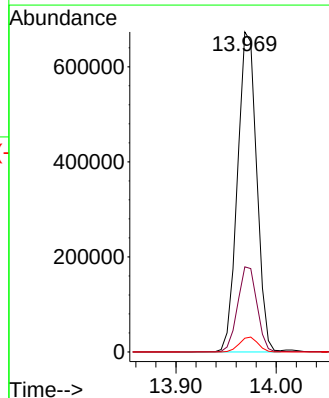
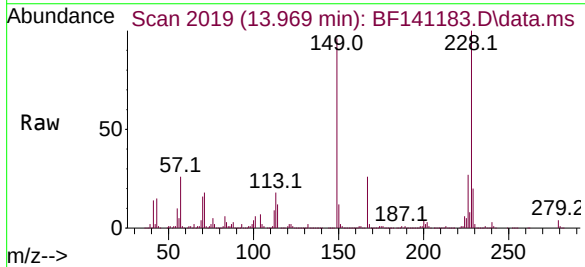
Instrument :  
BNA\_F  
ClientSampleId :  
PB166033BSD

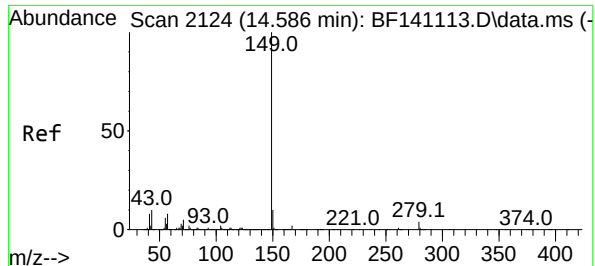
Tgt Ion:228 Resp: 1241041  
Ion Ratio Lower Upper  
228 100  
226 30.5 23.8 35.8  
229 19.8 15.8 23.8



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 59.161 ng  
RT: 13.969 min Scan# 2019  
Delta R.T. -0.006 min  
Lab File: BF141183.D  
Acq: 16 Jan 2025 14:14

Tgt Ion:149 Resp: 896119  
Ion Ratio Lower Upper  
149 100  
167 26.6 21.4 32.2  
279 4.3 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 62.501 ng

RT: 14.592 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

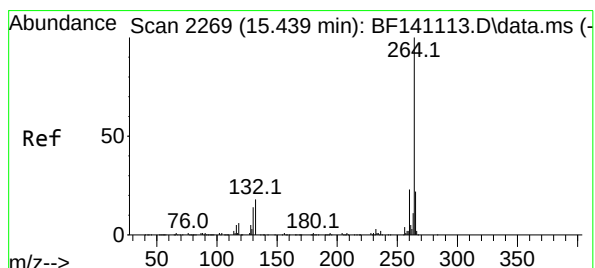
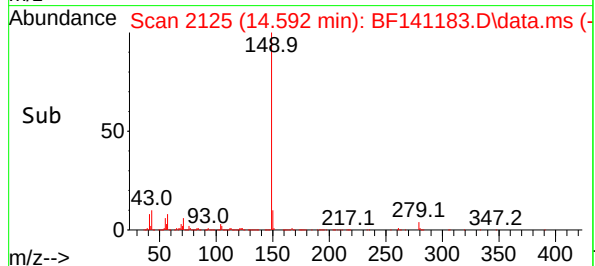
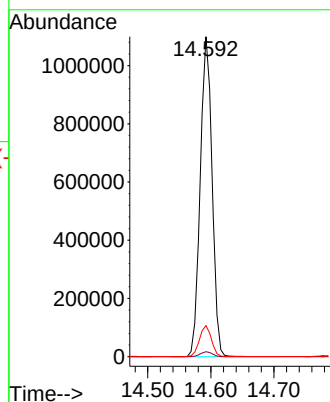
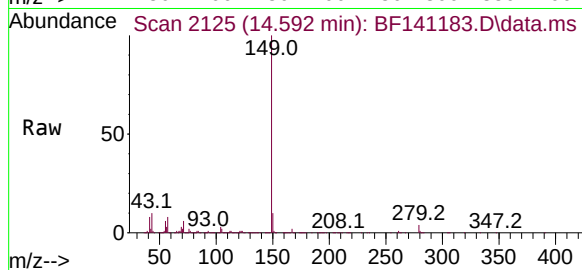
Tgt Ion:149 Resp: 1429606

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 9.6 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: BF141183.D

Acq: 16 Jan 2025 14:14

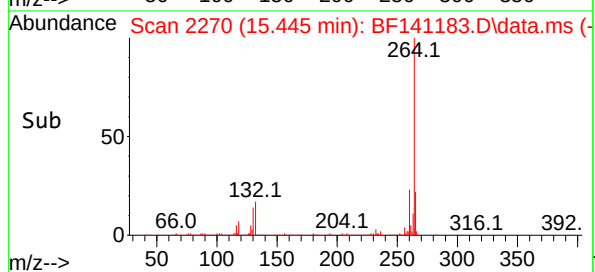
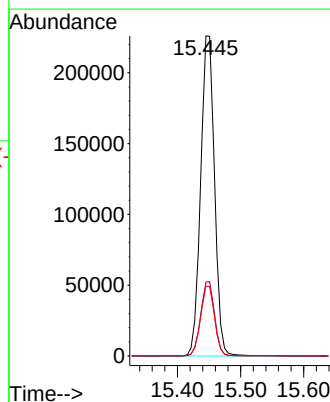
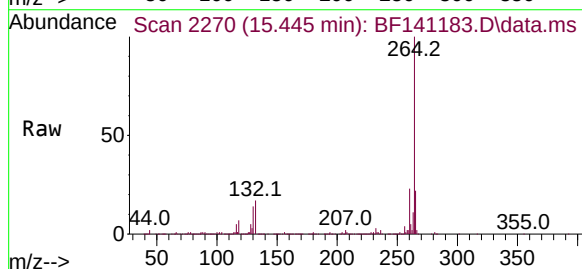
Tgt Ion:264 Resp: 344702

Ion Ratio Lower Upper

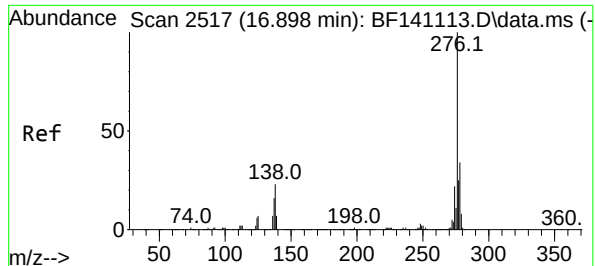
264 100

260 23.1 18.6 28.0

265 21.8 17.4 26.0







#87

Indeno(1,2,3-cd)pyrene

Concen: 49.855 ng

RT: 16.910 min Scan# 2199

Delta R.T. 0.012 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

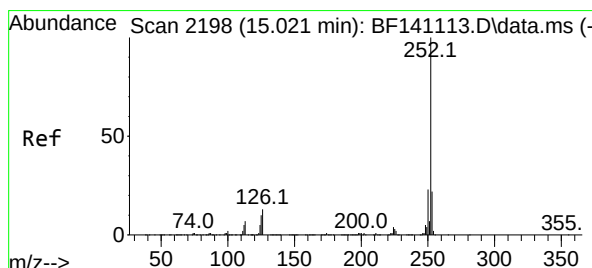
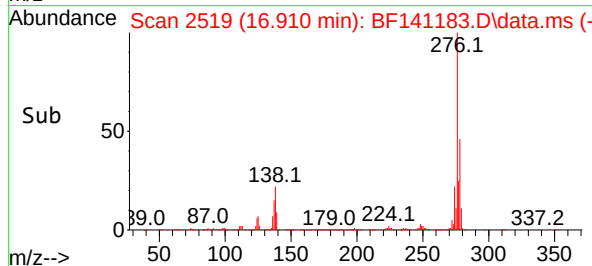
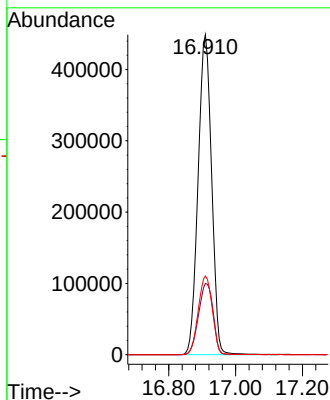
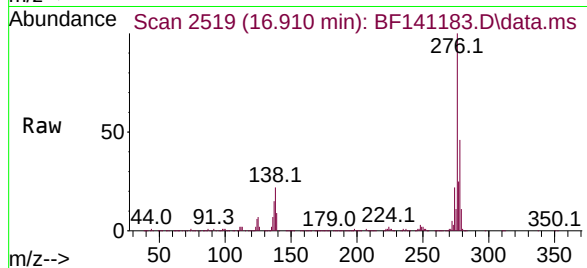
Tgt Ion:276 Resp: 1259019

Ion Ratio Lower Upper

276 100

138 24.1 20.7 31.1

277 25.6 20.6 30.8



#88

Benzo(b)fluoranthene

Concen: 50.617 ng

RT: 15.027 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

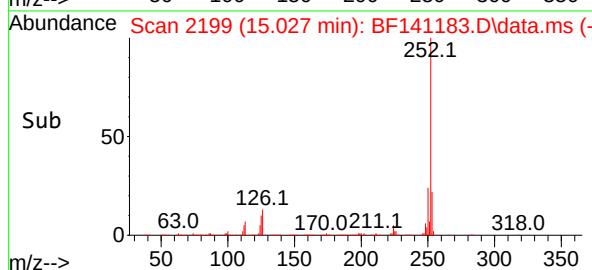
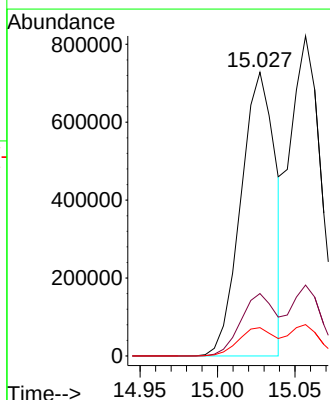
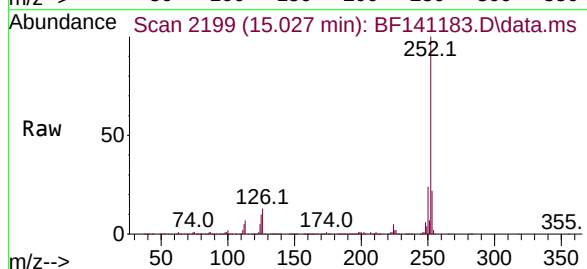
Tgt Ion:252 Resp: 1125096

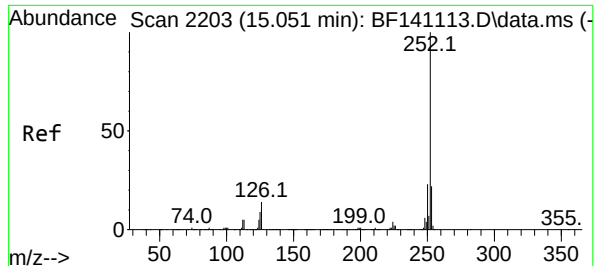
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 10.0 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 60.131 ng

RT: 15.057 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

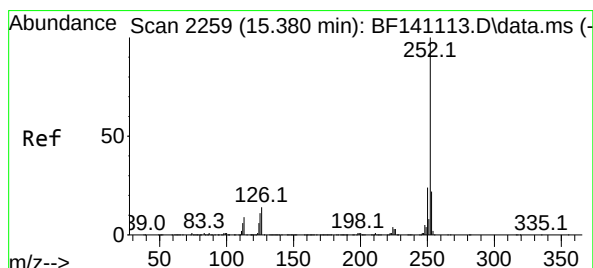
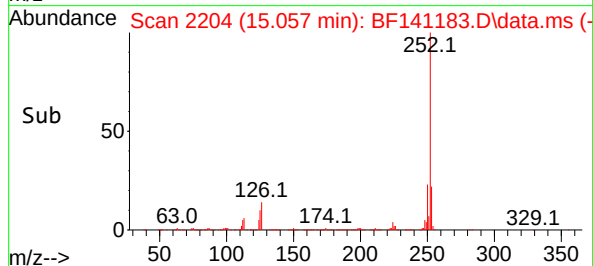
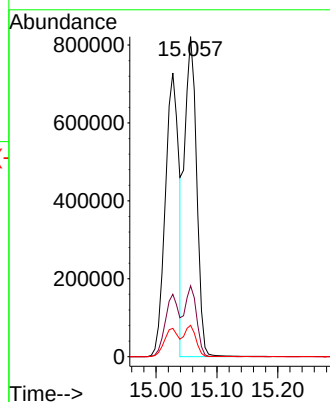
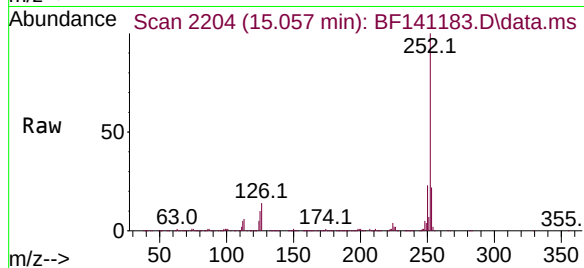
Tgt Ion:252 Resp: 1129506

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 9.8 7.9 11.9



#90

Benzo(a)pyrene

Concen: 56.652 ng

RT: 15.386 min Scan# 2260

Delta R.T. 0.006 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

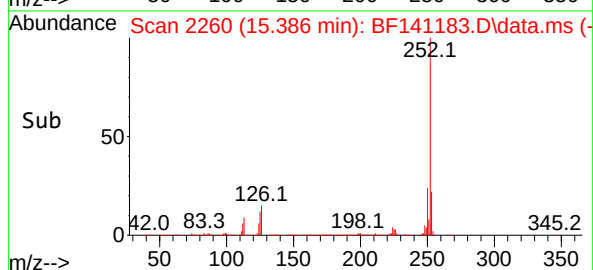
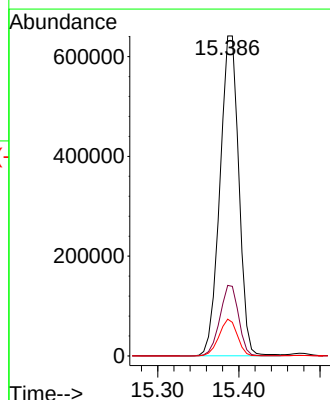
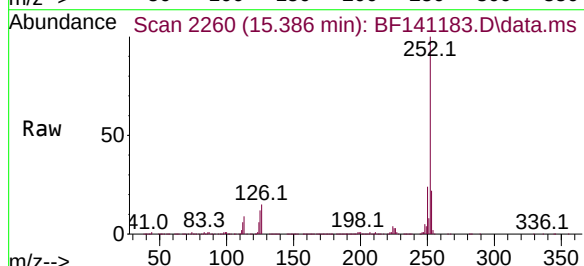
Tgt Ion:252 Resp: 1038941

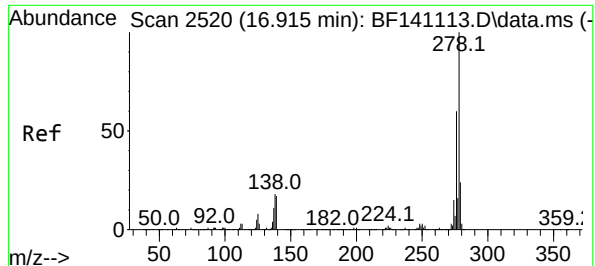
Ion Ratio Lower Upper

252 100

253 22.1 17.7 26.5

125 11.5 9.1 13.7





#91

Dibenzo(a,h)anthracene

Concen: 49.439 ng

RT: 16.927 min Scan# 2522

Delta R.T. 0.012 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

Instrument :

BNA\_F

ClientSampleId :

PB166033BSD

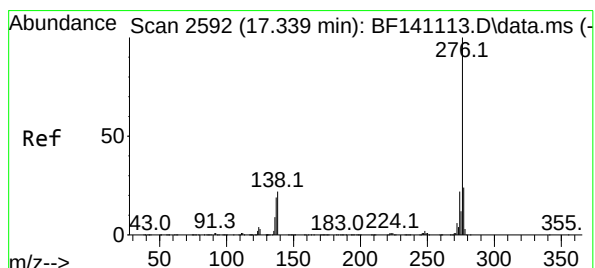
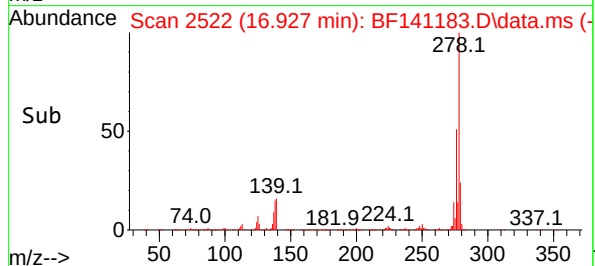
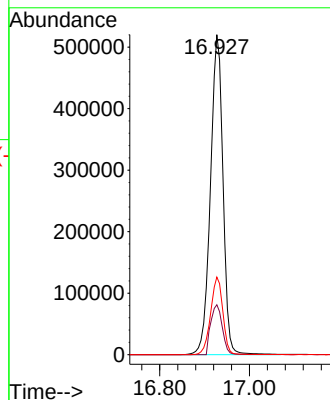
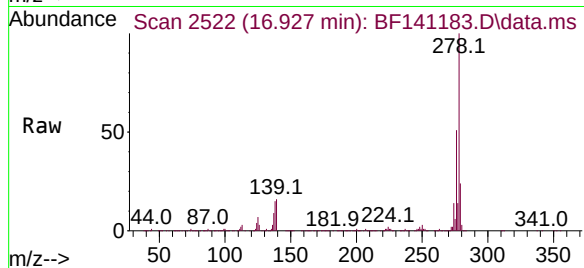
Tgt Ion:278 Resp: 1009805

Ion Ratio Lower Upper

278 100

139 15.6 13.8 20.6

279 24.3 19.1 28.7



#92

Benzo(g,h,i)perylene

Concen: 44.317 ng

RT: 17.351 min Scan# 2594

Delta R.T. 0.012 min

Lab File: BF141183.D

Acq: 16 Jan 2025 14:14

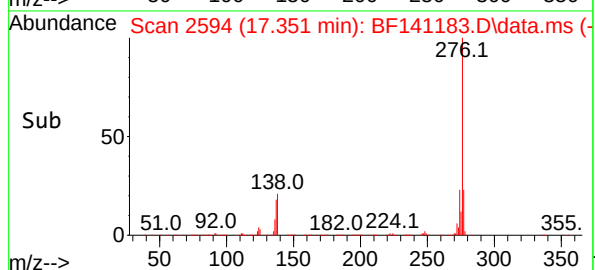
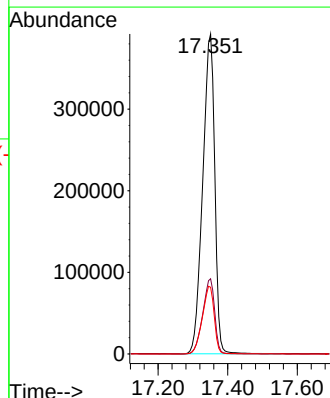
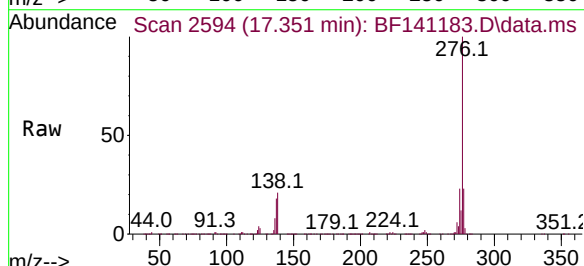
Tgt Ion:276 Resp: 941540

Ion Ratio Lower Upper

276 100

277 23.5 19.0 28.4

138 20.9 17.4 26.2



## 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<br>12:24:19 AM | Jagrut        | 1/13/2025<br>11:53:40 AM | Peak Integrated by Software |
| SSTDICC080 | BF141119.D | Aniline     | yogesh    | 1/13/2025<br>12:24:20 AM | Jagrut        | 1/13/2025<br>11:53:42 AM | Peak Integrated by Software |

## Manual Integration Report

Sequence:

bf011625

Instrument

BNA\_f

| Sample ID   | File ID    | Parameter   | Review By | Review On            | Supervised By | Supervised On | Reason                      |
|-------------|------------|-------------|-----------|----------------------|---------------|---------------|-----------------------------|
| PB166033BS  | BF141182.D | Caprolactam | Jagrut    | 1/16/2025 4:17:39 PM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| PB166033BSD | BF141183.D | Caprolactam | Jagrut    | 1/16/2025 4:17:41 PM | &nbsp;        | &nbsp;        | Peak Integrated by Software |

Instrument ID: **BNA\_F**

**Daily Analysis Runlog For Sequence/QC Batch 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              |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                       |
| 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

Instrument ID: **BNA\_F**

**Daily Analysis Runlog For Sequence/QC Batch ID # BF011625**

| Review By                |                                                         | Review On         |       |                      |          |
|--------------------------|---------------------------------------------------------|-------------------|-------|----------------------|----------|
| Supervise By             |                                                         | Supervise On      |       |                      |          |
| SubDirectory             | BF011625                                                | 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       | BF141178.D     | 16 Jan 2025 10:25 | RC/JU    | Ok     |
| 2   | SSTDCCC040  | BF141179.D     | 16 Jan 2025 12:29 | RC/JU    | Ok     |
| 3   | PB166074BL  | BF141180.D     | 16 Jan 2025 12:55 | RC/JU    | Ok     |
| 4   | PB166074BS  | BF141181.D     | 16 Jan 2025 13:21 | RC/JU    | Ok,NS  |
| 5   | PB166033BS  | BF141182.D     | 16 Jan 2025 13:48 | RC/JU    | Ok,NS  |
| 6   | PB166033BSD | BF141183.D     | 16 Jan 2025 14:14 | RC/JU    | Ok,NS  |
| 7   | PB166033BL  | BF141184.D     | 16 Jan 2025 14:40 | RC/JU    | Ok     |
| 8   | Q1066-02    | BF141185.D     | 16 Jan 2025 15:13 | RC/JU    | Ok     |
| 9   | Q1094-01    | BF141186.D     | 16 Jan 2025 15:39 | RC/JU    | Ok,NS  |
| 10  | Q1094-01MS  | BF141187.D     | 16 Jan 2025 16:05 | RC/JU    | Ok,NS  |
| 11  | Q1094-01MSD | BF141188.D     | 16 Jan 2025 16:32 | RC/JU    | Ok,NR  |
| 12  | Q1098-01    | BF141189.D     | 16 Jan 2025 16:58 | RC/JU    | Ok     |
| 13  | Q1093-01    | BF141190.D     | 16 Jan 2025 17:24 | RC/JU    | ReRun  |
| 14  | Q1099-01    | BF141191.D     | 16 Jan 2025 17:50 | RC/JU    | Ok,NR  |

M : Manual Integration

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch 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



Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF011625**

|                          |          |                                                         |       |                      |          |
|--------------------------|----------|---------------------------------------------------------|-------|----------------------|----------|
| Review By                |          | Review On                                               |       |                      |          |
| Supervise By             |          | Supervise On                                            |       |                      |          |
| SubDirectory             | BF011625 | 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           | BF141178.D     | 16 Jan 2025 10:25 |                        | RC/JU    | Ok     |
| 2   | SSTDCCC040  | SSTDCCC040      | BF141179.D     | 16 Jan 2025 12:29 |                        | RC/JU    | Ok     |
| 3   | PB166074BL  | PB166074BL      | BF141180.D     | 16 Jan 2025 12:55 |                        | RC/JU    | Ok     |
| 4   | PB166074BS  | PB166074BS      | BF141181.D     | 16 Jan 2025 13:21 |                        | RC/JU    | Ok,NS  |
| 5   | PB166033BS  | PB166033BS      | BF141182.D     | 16 Jan 2025 13:48 |                        | RC/JU    | Ok,NS  |
| 6   | PB166033BSD | PB166033BSD     | BF141183.D     | 16 Jan 2025 14:14 |                        | RC/JU    | Ok,NS  |
| 7   | PB166033BL  | PB166033BL      | BF141184.D     | 16 Jan 2025 14:40 |                        | RC/JU    | Ok     |
| 8   | Q1066-02    | EFF-WASTE WATER | BF141185.D     | 16 Jan 2025 15:13 | Surrogate Fail         | RC/JU    | Ok     |
| 9   | Q1094-01    | 72-11938        | BF141186.D     | 16 Jan 2025 15:39 |                        | RC/JU    | Ok,NS  |
| 10  | Q1094-01MS  | 72-11938MS      | BF141187.D     | 16 Jan 2025 16:05 |                        | RC/JU    | Ok,NS  |
| 11  | Q1094-01MSD | 72-11938MSD     | BF141188.D     | 16 Jan 2025 16:32 |                        | RC/JU    | Ok,NR  |
| 12  | Q1098-01    | OILY-STONE-COMP | BF141189.D     | 16 Jan 2025 16:58 |                        | RC/JU    | Ok     |
| 13  | Q1093-01    | RT-3407         | BF141190.D     | 16 Jan 2025 17:24 | Internal Standard Fail | RC/JU    | ReRun  |
| 14  | Q1099-01    | OR-02-01152025  | BF141191.D     | 16 Jan 2025 17:50 |                        | RC/JU    | Ok,NR  |

M : Manual Integration

SOP ID: M625.1-BNA-20

Clean Up SOP #: N/A

Extraction Start Date : 01/13/2025

Matrix : Water

Extraction Start Time : 08:22

Weigh By: N/A

Extraction By: RS

Extraction End Date : 01/13/2025

Balance check: N/A

Filter By: RS

Extraction End Time : 13:40

Balance ID: N/A

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: E3574

Hood ID: 4,6,7

Supervisor By : rajesh

Extraction Method: ☒ Separatory Funnel

☐ Continuous Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☐ Soxhlet

| Standard Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---------------|----------|---------------------|---------------------|
| Spike Sol 1   | 1.0ML    | 50/100 PPM          | SP6681              |
| Surrogate     | 1.0ML    | 100 PPM             | SP6640              |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |

| Chemical Used      | ML/SAMPLE USED | Lot Number |
|--------------------|----------------|------------|
| Methylene Chloride | N/A            | E3848      |
| Baked Na2SO4       | N/A            | EP2577     |
| 10N NaoH           | N/A            | EP2559     |
| H2SO4 1:1          | N/A            | EP2565     |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |

## Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673. pH Adjusted&lt;2 with 1:1 H2SO4 &amp; &gt;11 with 10 N NaOH.

KD Bath ID: Water bath -01

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

Envap Temperature: 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 01/13/25    | RP (Est. 105)                           | AC/SVOC              |
| 13:45       | Preparation Group                       | Analysis Group       |

Analytical Method: M625.1-BNA-20

Concentration Date: 01/13/2025

| Sample ID       | Client Sample ID | Test             | g / ml | PH | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|------------------|------------------|--------|----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                  |                  |        |    | AddedBy        | VerifiedBy |                    |       |          |             |
| PB166033BL      | SBLK033          | SVOCMS<br>Group1 | 1000   | 6  | RUPESH         | rajesh     | 1                  |       |          | SEP-13      |
| PB166033BS      | SLCS033          | SVOCMS<br>Group1 | 1000   | 6  | RUPESH         | rajesh     | 1                  |       |          | 14          |
| PB166033BS<br>D | SLCSD033         | SVOCMS<br>Group1 | 1000   | 6  | RUPESH         | rajesh     | 1                  |       |          | 15          |
| Q1066-02        | EFF-WASTE WATER  | SVOCMS<br>Group1 | 950    | 6  | RUPESH         | rajesh     | 1                  | C     |          | 16          |

\* Extracts relinquished on the same date as received.

2  
1/13/25

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1064P      WorkList ID : 186878      Department : Extraction      Date : 01-13-2025 08:08:46

| Sample   | Customer Sample | Matrix | Test          | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-----------------|--------|---------------|--------------|----------|-----------------------------|--------------|--------|
| Q1064-02 | LAW-25-0002     | Water  | PCB           | Cool 4 deg C | PSEG03   | M11                         | 01/10/2025   | 8082A  |
| Q1066-02 | EFF-WASTE WATER | Water  | SVOCMS Group1 | Cool 4 deg C | ARDM01   | M11                         | 01/10/2025   | 625.1  |

Date/Time 01/13/25 8:20  
 Raw Sample Received by: RS (Set Lab)  
 Raw Sample Relinquished by: JD (Sm)

Date/Time 01/13/25 8:45  
 Raw Sample Received by: JD (Sm)  
 Raw Sample Relinquished by: RS (Set Lab)



# SHIPPING DOCUMENTS

## CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Ardmore

ADDRESS: 29 Riverside Ave Bldg #14

CITY Newark STATE NJ ZIP 07104

ATTENTION: Michael Sharphouse

PHONE: 973 481 2406 FAX:

## CLIENT PROJECT INFORMATION

PROJECT NAME:

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE:

FAX:

## CLIENT BILLING INFORMATION

BILL TO: PO#:

ADDRESS:

CITY STATE: ZIP:

ATTENTION: PHONE:

## ANALYSIS

## DATA TURNAROUND INFORMATION

FAX (RUSH) \_\_\_\_\_ DAYS\*

HARDCOPY (DATA PACKAGE): STANDARD DAYS\*

EDD: \_\_\_\_\_ DAYS\*

\*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

## DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B+ Raw Data) ☐ Other \_\_\_\_\_☐ EDD FORMAT \_\_\_\_\_

VOA CN SVOP BOD/TSS Metals

## PRESERVATIVES

## COMMENTS

← Specify Preservatives

A-HCl D-NaOH  
B-HNO3 E-ICE  
C-H2SO4 F-OTHERCHEMTECH  
SAMPLE  
IDPROJECT  
SAMPLE IDENTIFICATIONSAMPLE  
MATRIXSAMPLE  
TYPESAMPLE  
COLLECTION

# OF BOTTLES

COMP

GRAB

DATE

TIME

1

2

3

4

5

6

7

8

9

1. EFF Waste water

2. EFF Waste Water

3.

4.

5.

6.

7.

8.

9.

10.

## SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:

1. [Signature]

DATE/TIME:

1/10/25 11:45

RECEIVED BY:

1. [Signature]

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C

Comments:

IF GUN #1

RELINQUISHED BY SAMPLER:

2. [Signature]

DATE/TIME:

1-10-25

RECEIVED BY:

2. [Signature]

RELINQUISHED BY SAMPLER:

3. [Signature]

DATE/TIME:

RECEIVED BY:

3. [Signature]

Page \_\_\_\_ of \_\_\_\_

CLIENT: ☐ Hand Delivered ☐ Other \_\_\_\_\_CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete

☐ YES ☐ NO



284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

### Laboratory Certification

| Certified By         | License No.      |
|----------------------|------------------|
|                      |                  |
| CAS EPA CLP Contract | 68HERH20D0011    |
|                      |                  |
| Connecticut          | PH-0830          |
|                      |                  |
| DOD ELAP (ANAB)      | L2219            |
|                      |                  |
| Maine                | 2024021          |
|                      |                  |
| Maryland             | 296              |
|                      |                  |
| New Hampshire        | 255424 Rev 1     |
|                      |                  |
| New Jersey           | 20012            |
|                      |                  |
| New York             | 11376            |
|                      |                  |
| Pennsylvania         | 68-00548         |
|                      |                  |
| Soil Permit          | 525-24-234-08441 |
|                      |                  |
| Texas                | T104704488       |



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

## LOGIN REPORT/SAMPLE TRANSFER

|                                             |        |                                                 |                              |
|---------------------------------------------|--------|-------------------------------------------------|------------------------------|
| <b>Order ID :</b> Q1066                     | ARDM01 | <b>Order Date :</b> 1/10/2025 12:15:00 PM       | <b>Project Mgr :</b>         |
| <b>Client Name :</b> Ardmore Chemical       |        | <b>Project Name :</b> PVSC Monthly 2024         | <b>Report Type :</b> Level 1 |
| <b>Client Contact :</b> Michael Sharphouse  |        | <b>Receive DateTime :</b> 1/10/2025 12:52:00 PM | <b>EDD Type :</b> NONE       |
| <b>Invoice Name :</b> Ardmore Chemical      |        | <b>Purchase Order :</b>                         | <b>Hard Copy Date :</b>      |
| <b>Invoice Contact :</b> Michael Sharphouse |        |                                                 | <b>Date Signoff :</b>        |

| LAB ID   | CLIENT ID       | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST   | TEST GROUP | METHOD | FAX DATE | DUE DATES    |
|----------|-----------------|--------|-------------|-------------|--------|------------|--------|----------|--------------|
| Q1066-01 | EFF-WASTE WATER | Water  | 01/10/2025  | 10:15       | VOC-PP |            | 624.1  |          | 10 Bus. Days |

Relinquished By :                     

Date / Time : 1-10-25 1330

Received By :                     

Date / Time :                     

Storage Area : VOA Refridgerator Room