

## Cover Page

**Order ID :** Q3083

**Project ID :** Blanchard

**Client :** G Environmental

**Lab Sample Number**

Q3083-01  
Q3083-02  
Q3083-03

**Client Sample Number**

MW4S  
MW4I  
MW3S

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: 9/20/2025

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 #: Q3083

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: MAHESH PATEL

Date: 09/20/2025

## LAB CHRONICLE

|                 |                 |                   |                       |
|-----------------|-----------------|-------------------|-----------------------|
| <b>OrderID:</b> | Q3083           | <b>OrderDate:</b> | 9/11/2025 1:25:37 PM  |
| <b>Client:</b>  | G Environmental | <b>Project:</b>   | Blanchard             |
| <b>Contact:</b> | Gary Landis     | <b>Location:</b>  | D31,VOA Ref. #3 Water |

| LabID             | ClientID      | Matrix       | Test     | Method        | Sample Date     | Prep Date | Anal Date | Received        |
|-------------------|---------------|--------------|----------|---------------|-----------------|-----------|-----------|-----------------|
| <b>Q3083-03</b>   | <b>MW3S</b>   | <b>Water</b> | SVOC-SIM | 8270-Modified | <b>09/11/25</b> | 09/15/25  | 09/18/25  | <b>09/11/25</b> |
| <b>Q3083-03DL</b> | <b>MW3SDL</b> | <b>Water</b> | SVOC-SIM | 8270-Modified | <b>09/11/25</b> | 09/15/25  | 09/19/25  | <b>09/11/25</b> |



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### Hit Summary Sheet SW-846

SDG No.: Q3083  
Client: G Environmental

| Sample ID                   | Client ID |       | Parameter      | Concentration | C | MDL  | RDL | Units |
|-----------------------------|-----------|-------|----------------|---------------|---|------|-----|-------|
| <b>Client ID : MW3S</b>     |           |       |                |               |   |      |     |       |
| Q3083-03                    | MW3S      | WATER | Acenaphthylene | 0.040         | J | 0.04 | 0.1 | ug/L  |
| Q3083-03                    | MW3S      | WATER | Acenaphthene   | 5.500         | E | 0.04 | 0.1 | ug/L  |
| Q3083-03                    | MW3S      | WATER | Fluorene       | 1.000         |   | 0.04 | 0.1 | ug/L  |
| Q3083-03                    | MW3S      | WATER | Phenanthrene   | 0.320         |   | 0.03 | 0.1 | ug/L  |
| Q3083-03                    | MW3S      | WATER | Anthracene     | 0.490         |   | 0.04 | 0.1 | ug/L  |
| Q3083-03                    | MW3S      | WATER | Fluoranthene   | 0.770         |   | 0.03 | 0.1 | ug/L  |
| Q3083-03                    | MW3S      | WATER | Pyrene         | 0.350         |   | 0.03 | 0.1 | ug/L  |
| <b>Total Svoc :</b>         |           |       |                | <b>8.47</b>   |   |      |     |       |
| <b>Total Concentration:</b> |           |       |                | <b>8.47</b>   |   |      |     |       |
| <b>Client ID : MW3SDL</b>   |           |       |                |               |   |      |     |       |
| Q3083-03DL                  | MW3SDL    | WATER | Acenaphthene   | 4.500         | D | 0.08 | 0.2 | ug/L  |
| Q3083-03DL                  | MW3SDL    | WATER | Fluorene       | 0.770         | D | 0.08 | 0.2 | ug/L  |
| Q3083-03DL                  | MW3SDL    | WATER | Phenanthrene   | 0.260         | D | 0.07 | 0.2 | ug/L  |
| Q3083-03DL                  | MW3SDL    | WATER | Anthracene     | 0.380         | D | 0.07 | 0.2 | ug/L  |
| Q3083-03DL                  | MW3SDL    | WATER | Fluoranthene   | 0.580         | D | 0.07 | 0.2 | ug/L  |
| Q3083-03DL                  | MW3SDL    | WATER | Pyrene         | 0.280         | D | 0.06 | 0.2 | ug/L  |
| <b>Total Svoc :</b>         |           |       |                | <b>6.77</b>   |   |      |     |       |
| <b>Total Concentration:</b> |           |       |                | <b>6.77</b>   |   |      |     |       |



# QC SUMMARY

## Surrogate Summary

SW-846

SDG No.: **Q3083**

Client: **G Environmental**

Analytical Method: **8270-Modified**

| Lab Sample ID | Client ID           | Parameter               | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |           |
|---------------|---------------------|-------------------------|-------------|--------------|--------------|------|------------|-----------|
|               |                     |                         |             |              |              |      | Low        | High      |
| PB169693BL    | PB169693BL          | 2-Methylnaphthalene-d10 | 0.4         | 0.33         | 82           |      | 30 (20)    | 150 (139) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.32         | 80           |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.38         | 96           |      | 30 (27)    | 130 (154) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.40         | 99           |      | 30 (30)    | 130 (155) |
|               |                     | Terphenyl-d14           | 0.4         | 0.36         | 90           |      | 30 (54)    | 130 (175) |
| PB169693BS    | PB169693BS          | 2-Methylnaphthalene-d10 | 0.4         | 0.31         | 77           |      | 30 (20)    | 150 (139) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.29         | 73           |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.36         | 90           |      | 30 (27)    | 130 (154) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.37         | 92           |      | 30 (30)    | 130 (155) |
|               |                     | Terphenyl-d14           | 0.4         | 0.32         | 81           |      | 30 (54)    | 130 (175) |
| Q3083-03      | MW3S                | 2-Methylnaphthalene-d10 | 0.4         | 0.36         | 89           |      | 30 (20)    | 150 (139) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.44         | 111          |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.35         | 88           |      | 30 (27)    | 130 (154) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.36         | 91           |      | 30 (30)    | 130 (155) |
|               |                     | Terphenyl-d14           | 0.4         | 0.80         | 199          | *    | 30 (54)    | 130 (175) |
| Q3083-03DL    | MW3SDL              | 2-Methylnaphthalene-d10 | 0.4         | 0.26         | 66           |      | 30 (20)    | 150 (139) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.33         | 83           |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.29         | 72           |      | 30 (27)    | 130 (154) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.30         | 75           |      | 30 (30)    | 130 (155) |
|               |                     | Terphenyl-d14           | 0.4         | 0.65         | 162          | *    | 30 (54)    | 130 (175) |
| Q3097-02MS    | RE103D2-20250911MS  | 2-Methylnaphthalene-d10 | 0.4         | 0.28         | 70           |      | 30 (20)    | 150 (139) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.35         | 87           |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.33         | 81           |      | 30 (27)    | 130 (154) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.30         | 76           |      | 30 (30)    | 130 (155) |
|               |                     | Terphenyl-d14           | 0.4         | 0.43         | 107          |      | 30 (54)    | 130 (175) |
| Q3097-03MSD   | RE103D2-20250911MSD | 2-Methylnaphthalene-d10 | 0.4         | 0.28         | 70           |      | 30 (20)    | 150 (139) |
|               |                     | Fluoranthene-d10        | 0.4         | 0.36         | 90           |      | 30 (54)    | 150 (157) |
|               |                     | Nitrobenzene-d5         | 0.4         | 0.33         | 82           |      | 30 (27)    | 130 (154) |
|               |                     | 2-Fluorobiphenyl        | 0.4         | 0.31         | 76           |      | 30 (30)    | 130 (155) |
|               |                     | Terphenyl-d14           | 0.4         | 0.41         | 101          |      | 30 (54)    | 130 (175) |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q3083

**Analytical Method:** SW8270-Modified

**Client:** G Environmental

**DataFile:** BN037772.D

| Parameter                        | Spike | Sample Result                               | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low     | Limits High | RPD |
|----------------------------------|-------|---------------------------------------------|--------|-------|-----|----------|-----|----------|---------|-------------|-----|
| <b>Lab Sample ID: Q3097-02MS</b> |       | <b>Client Sample ID: RE103D2-20250911MS</b> |        |       |     |          |     |          |         |             |     |
| Naphthalene                      | 0.4   | 0                                           | 0.32   | ug/L  | 80  |          |     |          | 70 (62) | 130 (119)   |     |
| Acenaphthylene                   | 0.4   | 0                                           | 0.34   | ug/L  | 85  |          |     |          | 70 (53) | 130 (123)   |     |
| Acenaphthene                     | 0.4   | 0                                           | 0.32   | ug/L  | 80  |          |     |          | 70 (57) | 130 (122)   |     |
| Fluorene                         | 0.4   | 0                                           | 0.31   | ug/L  | 78  |          |     |          | 70 (58) | 130 (123)   |     |
| Phenanthrene                     | 0.4   | 0                                           | 0.37   | ug/L  | 93  |          |     |          | 70 (64) | 130 (129)   |     |
| Anthracene                       | 0.4   | 0                                           | 0.35   | ug/L  | 88  |          |     |          | 70 (67) | 130 (127)   |     |
| Fluoranthene                     | 0.4   | 0                                           | 0.36   | ug/L  | 90  |          |     |          | 70 (55) | 130 (140)   |     |
| Pyrene                           | 0.4   | 0                                           | 0.42   | ug/L  | 105 |          |     |          | 70 (59) | 130 (137)   |     |
| Benzo(a)anthracene               | 0.4   | 0                                           | 0.42   | ug/L  | 105 |          |     |          | 70 (51) | 130 (146)   |     |
| Chrysene                         | 0.4   | 0                                           | 0.42   | ug/L  | 105 |          |     |          | 70 (61) | 130 (126)   |     |
| Benzo(b)fluoranthene             | 0.4   | 0                                           | 0.43   | ug/L  | 108 |          |     |          | 70 (60) | 130 (123)   |     |
| Benzo(k)fluoranthene             | 0.4   | 0                                           | 0.41   | ug/L  | 103 |          |     |          | 70 (61) | 130 (122)   |     |
| Benzo(a)pyrene                   | 0.4   | 0                                           | 0.42   | ug/L  | 105 |          |     |          | 70 (54) | 130 (129)   |     |
| Indeno(1,2,3-cd)pyrene           | 0.4   | 0                                           | 0.46   | ug/L  | 115 |          |     |          | 70 (50) | 130 (134)   |     |
| Dibenz(a,h)anthracene            | 0.4   | 0                                           | 0.46   | ug/L  | 115 |          |     |          | 70 (53) | 130 (121)   |     |
| Benzo(g,h,i)perylene             | 0.4   | 0                                           | 0.44   | ug/L  | 110 |          |     |          | 70 (44) | 130 (132)   |     |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q3083

**Analytical Method:** SW8270-Modified

**Client:** G Environmental

**DataFile:** BN037773.D

| Parameter                         | Spike | Sample Result                                | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Low     | Limits High | RPD     |
|-----------------------------------|-------|----------------------------------------------|--------|-------|-----|----------|-----|----------|---------|-------------|---------|
| <b>Lab Sample ID: Q3097-03MSD</b> |       | <b>Client Sample ID: RE103D2-20250911MSD</b> |        |       |     |          |     |          |         |             |         |
| Naphthalene                       | 0.4   | 0                                            | 0.32   | ug/L  | 80  | 0        |     |          | 70 (62) | 130 (119)   | 20 (20) |
| Acenaphthylene                    | 0.4   | 0                                            | 0.34   | ug/L  | 85  | 0        |     |          | 70 (53) | 130 (123)   | 20 (20) |
| Acenaphthene                      | 0.4   | 0                                            | 0.32   | ug/L  | 80  | 0        |     |          | 70 (57) | 130 (122)   | 20 (20) |
| Fluorene                          | 0.4   | 0                                            | 0.31   | ug/L  | 78  | 0        |     |          | 70 (58) | 130 (123)   | 20 (20) |
| Phenanthrene                      | 0.4   | 0                                            | 0.38   | ug/L  | 95  | 2        |     |          | 70 (64) | 130 (129)   | 20 (20) |
| Anthracene                        | 0.4   | 0                                            | 0.36   | ug/L  | 90  | 2        |     |          | 70 (67) | 130 (127)   | 20 (20) |
| Fluoranthene                      | 0.4   | 0                                            | 0.38   | ug/L  | 95  | 5        |     |          | 70 (55) | 130 (140)   | 20 (20) |
| Pyrene                            | 0.4   | 0                                            | 0.40   | ug/L  | 100 | 5        |     |          | 70 (59) | 130 (137)   | 20 (20) |
| Benzo(a)anthracene                | 0.4   | 0                                            | 0.41   | ug/L  | 103 | 2        |     |          | 70 (51) | 130 (146)   | 20 (20) |
| Chrysene                          | 0.4   | 0                                            | 0.42   | ug/L  | 105 | 0        |     |          | 70 (61) | 130 (126)   | 20 (20) |
| Benzo(b)fluoranthene              | 0.4   | 0                                            | 0.42   | ug/L  | 105 | 3        |     |          | 70 (60) | 130 (123)   | 20 (20) |
| Benzo(k)fluoranthene              | 0.4   | 0                                            | 0.42   | ug/L  | 105 | 2        |     |          | 70 (61) | 130 (122)   | 20 (20) |
| Benzo(a)pyrene                    | 0.4   | 0                                            | 0.43   | ug/L  | 108 | 3        |     |          | 70 (54) | 130 (129)   | 20 (20) |
| Indeno(1,2,3-cd)pyrene            | 0.4   | 0                                            | 0.47   | ug/L  | 117 | 2        |     |          | 70 (50) | 130 (134)   | 20 (20) |
| Dibenz(a,h)anthracene             | 0.4   | 0                                            | 0.46   | ug/L  | 115 | 0        |     |          | 70 (53) | 130 (121)   | 20 (20) |
| Benzo(g,h,i)perylene              | 0.4   | 0                                            | 0.43   | ug/L  | 108 | 2        |     |          | 70 (44) | 130 (132)   | 20 (20) |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3083

Analytical Method: 8270-Modified

Client: G Environmental

DataFile: BN037792.D

| Lab Sample ID | Parameter              | Spike | Result | Unit | Rec | RPD | Qual | RPD  |         | Limits    |     |
|---------------|------------------------|-------|--------|------|-----|-----|------|------|---------|-----------|-----|
|               |                        |       |        |      |     |     |      | Qual | Low     | High      | RPD |
| PB169693BS    | Naphthalene            | 0.4   | 0.34   | ug/L | 85  |     |      |      | 70 (67) | 130 (120) |     |
|               | Acenaphthylene         | 0.4   | 0.36   | ug/L | 90  |     |      |      | 70 (60) | 130 (119) |     |
|               | Acenaphthene           | 0.4   | 0.34   | ug/L | 85  |     |      |      | 70 (65) | 130 (119) |     |
|               | Fluorene               | 0.4   | 0.31   | ug/L | 78  |     |      |      | 70 (58) | 130 (122) |     |
|               | Phenanthrene           | 0.4   | 0.35   | ug/L | 88  |     |      |      | 70 (65) | 130 (117) |     |
|               | Anthracene             | 0.4   | 0.34   | ug/L | 85  |     |      |      | 70 (57) | 130 (118) |     |
|               | Fluoranthene           | 0.4   | 0.30   | ug/L | 75  |     |      |      | 70 (53) | 130 (126) |     |
|               | Pyrene                 | 0.4   | 0.33   | ug/L | 83  |     |      |      | 70 (54) | 130 (124) |     |
|               | Benzo(a)anthracene     | 0.4   | 0.36   | ug/L | 90  |     |      |      | 70 (54) | 130 (130) |     |
|               | Chrysene               | 0.4   | 0.36   | ug/L | 90  |     |      |      | 70 (64) | 130 (126) |     |
|               | Benzo(b)fluoranthene   | 0.4   | 0.37   | ug/L | 93  |     |      |      | 70 (65) | 130 (121) |     |
|               | Benzo(k)fluoranthene   | 0.4   | 0.35   | ug/L | 88  |     |      |      | 70 (72) | 130 (119) |     |
|               | Benzo(a)pyrene         | 0.4   | 0.40   | ug/L | 100 |     |      |      | 70 (68) | 130 (120) |     |
|               | Indeno(1,2,3-cd)pyrene | 0.4   | 0.41   | ug/L | 103 |     |      |      | 70 (70) | 130 (127) |     |
|               | Dibenz(a,h)anthracene  | 0.4   | 0.39   | ug/L | 98  |     |      |      | 70 (65) | 130 (121) |     |
|               | Benzo(g,h,i)perylene   | 0.4   | 0.40   | ug/L | 100 |     |      |      | 70 (76) | 130 (117) |     |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID

PB169693BL

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3083

Lab File ID: BN037777.D

Lab Sample ID: PB169693BL

Instrument ID: BNA\_N

Date Extracted: 09/15/2025

Matrix: (soil/water) Water

Date Analyzed: 09/18/2025

Level: (low/med) LOW

Time Analyzed: 15:10

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 |
|---------------------|------------------|----------------|------------------|
| MW3S                | Q3083-03         | BN037782.D     | 09/18/2025       |
| PB169693BS          | PB169693BS       | BN037792.D     | 09/19/2025       |
| RE103D2-20250911MS  | Q3097-02MS       | BN037772.D     | 09/18/2025       |
| RE103D2-20250911MSD | Q3097-03MSD      | BN037773.D     | 09/18/2025       |

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: Alliance  
Lab Code: ACE  
Lab File ID: BN037689.D  
Instrument ID: BNA\_N

Contract: GENV01  
SDG NO.: Q3083  
DFTPP Injection Date: 09/11/2025  
DFTPP Injection Time: 07:54

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.4 ( 1 ) 1          |
| 69  | Mass 69 relative abundance         | 36.7                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.6 ) 1        |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.2                  |
| 365 | Greater than 1% of mass 198        | 3.5                  |
| 441 | Present, but less than mass 443    | 11.5                 |
| 442 | Greater than 50% of mass 198       | 71                   |
| 443 | 15.0 - 24.0% of mass 442           | 14.5 ( 20.4 ) 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 |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC0.1        | SSTDICC0.1       | BN037691.D     | 09/11/2025       | 09:56            |
| SSTDICC0.2        | SSTDICC0.2       | BN037692.D     | 09/11/2025       | 10:32            |
| SSTDICCC0.4       | SSTDICCC0.4      | BN037693.D     | 09/11/2025       | 11:08            |
| SSTDICC0.8        | SSTDICC0.8       | BN037694.D     | 09/11/2025       | 11:44            |
| SSTDICC1.6        | SSTDICC1.6       | BN037695.D     | 09/11/2025       | 12:20            |
| SSTDICC3.2        | SSTDICC3.2       | BN037696.D     | 09/11/2025       | 12:56            |
| SSTDICC5.0        | SSTDICC5.0       | BN037697.D     | 09/11/2025       | 13:33            |



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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN037758.D  
Instrument ID: BNA\_N

Contract: GENV01  
SDG NO.: Q3083  
DFTPP Injection Date: 09/18/2025  
DFTPP Injection Time: 02:06

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.4 ( 1.1 ) 1        |
| 69  | Mass 69 relative abundance         | 37.4                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.9                  |
| 365 | Greater than 1% of mass 198        | 3.3                  |
| 441 | Present, but less than mass 443    | 14.3                 |
| 442 | Greater than 50% of mass 198       | 82.9                 |
| 443 | 15.0 - 24.0% of mass 442           | 16.5 ( 19.9 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO.   | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|---------------------|------------------|----------------|------------------|------------------|
| SSTDCCC0.4          | SSTDCCC0.4       | BN037759.D     | 09/18/2025       | 02:46            |
| RE103D2-20250911MS  | Q3097-02MS       | BN037772.D     | 09/18/2025       | 11:48            |
| RE103D2-20250911MSD | Q3097-03MSD      | BN037773.D     | 09/18/2025       | 12:25            |



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN037775.D  
Instrument ID: BNA\_N

Contract: GENV01  
SDG NO.: Q3083  
DFTPP Injection Date: 09/18/2025  
DFTPP Injection Time: 13:53

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.7 ( 1.7 ) 1        |
| 69  | Mass 69 relative abundance         | 39.3                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.5 ) 1        |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 7                    |
| 365 | Greater than 1% of mass 198        | 3.4                  |
| 441 | Present, but less than mass 443    | 13.9                 |
| 442 | Greater than 50% of mass 198       | 85.7                 |
| 443 | 15.0 - 24.0% of mass 442           | 16.2 ( 18.9 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC0.4        | SSTDCCC0.4       | BN037776.D     | 09/18/2025       | 14:32            |
| PB169693BL        | PB169693BL       | BN037777.D     | 09/18/2025       | 15:10            |
| MW3S              | Q3083-03         | BN037782.D     | 09/18/2025       | 18:12            |
| PB169693BS        | PB169693BS       | BN037792.D     | 09/19/2025       | 00:16            |



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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance  
Lab Code: ACE  
Lab File ID: BN037812.D  
Instrument ID: BNA\_N

Contract: GENV01  
SDG NO.: Q3083  
DFTPP Injection Date: 09/19/2025  
DFTPP Injection Time: 13:39

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 68  | Less than 2.0% of mass 69          | 0.5 ( 1.4 ) 1        |
| 69  | Mass 69 relative abundance         | 39                   |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.6 ) 1        |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.7                  |
| 365 | Greater than 1% of mass 198        | 3.8                  |
| 441 | Present, but less than mass 443    | 12.9                 |
| 442 | Greater than 50% of mass 198       | 79.5                 |
| 443 | 15.0 - 24.0% of mass 442           | 15.9 ( 20.1 ) 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 |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC0.4        | SSTDCCC0.4       | BN037813.D     | 09/19/2025       | 14:19            |
| MW3SDL            | Q3083-03DL       | BN037816.D     | 09/19/2025       | 16:08            |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3083

Client ID : SSTDCCC0.4

Date Analyzed: 09/18/2025

Lab File ID: BN037759.D

Time Analyzed: 02:46

Instrument ID: BNA\_N

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

|                        | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|------------------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD            | 8012                | 7.833 | 21664               | 10.64  | 10192               | 14.48  |
| UPPER LIMIT            | 16024               | 8.333 | 43328               | 11.137 | 20384               | 14.984 |
| LOWER LIMIT            | 4006                | 7.333 | 10832               | 10.137 | 5096                | 13.984 |
| EPA SAMPLE NO.         |                     |       |                     |        |                     |        |
| 01 RE103D2-20250911MS  | 7218                | 7.83  | 19437               | 10.64  | 8792                | 14.48  |
| 02 RE103D2-20250911MSD | 7159                | 7.83  | 19099               | 10.64  | 8494                | 14.48  |

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: Alliance

Lab Code: ACE

SDG NO.: Q3083

Client ID: SSTDCCC0.4

Date Analyzed: 09/18/2025

Lab File ID: BN037759.D

Time Analyzed: 02:46

Instrument ID: BNA\_N

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

|                        | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|------------------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD            | 18613               | 17.235 | 16797               | 21.411 | 18043               | 23.741 |
| UPPER LIMIT            | 37226               | 17.735 | 33594               | 21.911 | 36086               | 24.241 |
| LOWER LIMIT            | 9306.5              | 16.735 | 8398.5              | 20.911 | 9021.5              | 23.241 |
| EPA SAMPLE NO.         |                     |        |                     |        |                     |        |
| 01 RE103D2-20250911MS  | 14560               | 17.24  | 11077               | 21.41  | 10712               | 23.74  |
| 02 RE103D2-20250911MSD | 14218               | 17.24  | 11982               | 21.41  | 11726               | 23.75  |

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3083

Client ID : SSTDCCC0.4

Date Analyzed: 09/18/2025

Lab File ID: BN037776.D

Time Analyzed: 14:32

Instrument ID: BNA\_N

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

|                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 7127                | 7.833 | 18984               | 10.64  | 8698                | 14.48  |
| UPPER LIMIT    | 14254               | 8.333 | 37968               | 11.137 | 17396               | 14.984 |
| LOWER LIMIT    | 3563.5              | 7.333 | 9492                | 10.137 | 4349                | 13.984 |
| EPA SAMPLE NO. |                     |       |                     |        |                     |        |
| 01 PB169693BL  | 6667                | 7.84  | 17045               | 10.64  | 7049                | 14.48  |
| 02 PB169693BS  | 7441                | 7.83  | 19392               | 10.64  | 8149                | 14.48  |
| 03 MW3S        | 6579                | 7.83  | 17764               | 10.64  | 8899                | 14.48  |

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: Alliance

Lab Code: ACE

SDG NO.: Q3083

Client ID: SSTDCCC0.4

Date Analyzed: 09/18/2025

Lab File ID: BN037776.D

Time Analyzed: 14:32

Instrument ID: BNA\_N

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

|                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 14526               | 17.235 | 10438               | 21.411 | 10600               | 23.744 |
| UPPER LIMIT    | 29052               | 17.735 | 20876               | 21.911 | 21200               | 24.244 |
| LOWER LIMIT    | 7263                | 16.735 | 5219                | 20.911 | 5300                | 23.244 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |
| 01 PB169693BL  | 11652               | 17.24  | 9221                | 21.41  | 9002                | 23.75  |
| 02 PB169693BS  | 12386               | 17.24  | 10095               | 21.41  | 10200               | 23.74  |
| 03 MW3S        | 17415               | 17.24  | 17835               | 21.41  | 19008               | 23.74  |

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.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE

SDG NO.: Q3083

Client ID : SSTDCCC0.4

Date Analyzed: 09/19/2025

Lab File ID: BN037813.D

Time Analyzed: 14:19

Instrument ID: BNA\_N

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

|                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #   | IS3 (ANT)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 4812                | 7.833 | 12410               | 10.64  | 5585                | 14.48  |
| UPPER LIMIT    | 9624                | 8.333 | 24820               | 11.137 | 11170               | 14.984 |
| LOWER LIMIT    | 2406                | 7.333 | 6205                | 10.137 | 2792.5              | 13.984 |
| EPA SAMPLE NO. |                     |       |                     |        |                     |        |
| 01 MW3SDL      | 5937                | 7.83  | 13519               | 10.64  | 6156                | 14.48  |

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: Alliance

Lab Code: ACE

SDG NO.: Q3083

Client ID: SSTDCCC0.4

Date Analyzed: 09/19/2025

Lab File ID: BN037813.D

Time Analyzed: 14:19

Instrument ID: BNA\_N

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

|                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 9638                | 17.235 | 8466                | 21.411 | 8084                | 23.739 |
| UPPER LIMIT    | 19276               | 17.735 | 16932               | 21.911 | 16168               | 24.239 |
| LOWER LIMIT    | 4819                | 16.735 | 4233                | 20.911 | 4042                | 23.239 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |
| 01 MW3SDL      | 11729               | 17.24  | 10935               | 21.41  | 10906               | 23.74  |

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:            | G Environmental  | Date Collected: | 09/11/25 |
| Project:           | Blanchard        | Date Received:  | 09/11/25 |
| Client Sample ID:  | MW3S             | SDG No.:        | Q3083    |
| Lab Sample ID:     | Q3083-03         | Matrix:         | Water    |
| Analytical Method: | SW8270ESIM       | % Solid:        | 0        |
| Sample Wt/Vol:     | 1000 Units: mL   | Final Vol:      | 1000 uL  |
| Soil Aliquot Vol:  | uL               | Test:           | SVOC-SIM |
| Extraction Type :  | Decanted : N     | Level :         | LOW      |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup :   | N PH :   |
| Prep Method :      |                  |                 |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037782.D        | 1         | 09/15/25 12:00 | 09/18/25 18:12 | PB169693      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 91-20-3                   | Naphthalene             | 0.040 | U         | 0.040               | 0.10       | ug/L     |
| 208-96-8                  | Acenaphthylene          | 0.040 | J         | 0.040               | 0.10       | ug/L     |
| 83-32-9                   | Acenaphthene            | 5.50  | E         | 0.040               | 0.10       | ug/L     |
| 86-73-7                   | Fluorene                | 1.00  |           | 0.040               | 0.10       | ug/L     |
| 85-01-8                   | Phenanthrene            | 0.32  |           | 0.030               | 0.10       | ug/L     |
| 120-12-7                  | Anthracene              | 0.49  |           | 0.040               | 0.10       | ug/L     |
| 206-44-0                  | Fluoranthene            | 0.77  |           | 0.030               | 0.10       | ug/L     |
| 129-00-0                  | Pyrene                  | 0.35  |           | 0.030               | 0.10       | ug/L     |
| 56-55-3                   | Benzo(a)anthracene      | 0.040 | U         | 0.040               | 0.10       | ug/L     |
| 218-01-9                  | Chrysene                | 0.040 | U         | 0.040               | 0.10       | ug/L     |
| 205-99-2                  | Benzo(b)fluoranthene    | 0.040 | U         | 0.040               | 0.10       | ug/L     |
| 207-08-9                  | Benzo(k)fluoranthene    | 0.050 | U         | 0.050               | 0.10       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene          | 0.040 | U         | 0.040               | 0.10       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene  | 0.050 | U         | 0.050               | 0.10       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene  | 0.050 | U         | 0.050               | 0.10       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene    | 0.040 | U         | 0.040               | 0.10       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.36  |           | 30 (20) - 150 (139) | 89%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.44  |           | 30 (54) - 150 (157) | 111%       | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.35  |           | 30 (27) - 130 (154) | 88%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.36  |           | 30 (30) - 130 (155) | 91%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.80  | *         | 30 (54) - 130 (175) | 199%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 6580  |           | 7.833               |            |          |
| 1146-65-2                 | Naphthalene-d8          | 17800 |           | 10.637              |            |          |
| 15067-26-2                | Acenaphthene-d10        | 8900  |           | 14.484              |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 17400 |           | 17.235              |            |          |
| 1719-03-5                 | Chrysene-d12            | 17800 |           | 21.411              |            |          |
| 1520-96-3                 | Perylene-d12            | 19000 |           | 23.741              |            |          |

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: | 09/11/25                     |
| Project:           | Blanchard              | Date Received:  | 09/11/25                     |
| Client Sample ID:  | MW3S                   | SDG No.:        | Q3083                        |
| Lab Sample ID:     | Q3083-03               | Matrix:         | Water                        |
| Analytical Method: | SW8270ESIM             | % Solid:        | 0                            |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOC-SIM                     |
| Extraction Type :  | Decanted :    N        | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N                      PH :  |
| Prep Method :      |                        |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037782.D        | 1         | 09/15/25 12:00 | 09/18/25 18:12 | PB169693      |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091825\  
 Data File : BN037782.D  
 Acq On : 18 Sep 2025 18:12  
 Operator : RC/JU  
 Sample : Q3083-03  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW3S

Quant Time: Sep 18 18:40:15 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:20:01 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.833  | 152  | 6579     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.637 | 136  | 17764    | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 14.484 | 164  | 8899     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.235 | 188  | 17415    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.411 | 240  | 17835    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.741 | 264  | 19008    | 0.400 | ng    | -0.01    |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.399  | 112  | 2772     | 0.184 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.988  | 99   | 2548     | 0.130 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.982  | 82   | 4565     | 0.351 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.233 | 152  | 8353     | 0.355 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 15.982 | 330  | 1646     | 0.709 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.105 | 172  | 13500    | 0.363 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.262 | 212  | 19350    | 0.443 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.861 | 244  | 28826    | 0.796 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.297  | 88   | 42725    | 6.235 | ng    | 95       |
| 6) bis(2-Chloroethyl)ether    | 7.197  | 93   | 750      | 0.043 | ng    | # 37     |
| 9) Naphthalene                | 10.690 | 128  | 1060     | 0.022 | ng    | # 60     |
| 16) Acenaphthylene            | 14.206 | 152  | 1793     | 0.044 | ng    | # 41     |
| 17) Acenaphthene              | 14.548 | 154  | 152410   | 5.523 | ng    | 97       |
| 18) Fluorene                  | 15.535 | 166  | 33401    | 0.999 | ng    | 93       |
| 25) Phenanthrene              | 17.273 | 178  | 17293    | 0.315 | ng    | 96       |
| 26) Anthracene                | 17.360 | 178  | 23665    | 0.487 | ng    | 97       |
| 28) Fluoranthene              | 19.294 | 202  | 46498    | 0.773 | ng    | 99       |
| 30) Pyrene                    | 19.657 | 202  | 24513    | 0.351 | ng    | # 90     |
| 32) Benzo(a)anthracene        | 21.393 | 228  | 1311     | 0.021 | ng    | # 53     |
| 34) Bis(2-ethylhexyl)phtha... | 21.340 | 149  | 9051     | 0.491 | ng    | 98       |
| -----                         |        |      |          |       |       |          |

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

**Instrument :**  
BNA\_N  
**ClientSampleId :**  
MW3S

TIC: BN037782.D\data.ms

Abundance

Time-->

1,4-Dioxane

2-Fluorophenol, S

Phenol, d6, S

bis(2-Chloroethyl)ether

1,4-Dichlorobenzene-d4, I

Nitrobenzene-d5, S

Naphthalene-d8, I

2-Methylnaphthalene-d10, SURR

2-Fluorobiphenyl, S

Acenaphthylene

Acenaphthene-d10, I

Fluorene

2,4,6-Tribromophenol, S

Biphenyl-d10, I

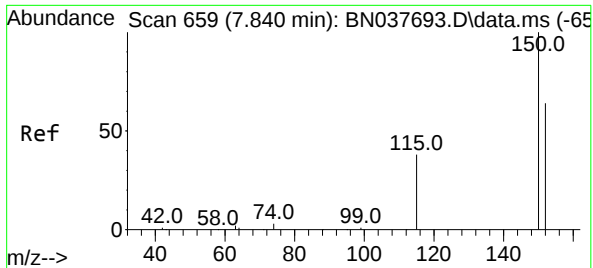
Fluoranthene-d10, SURR

Pyrene

Terphenyl-d14, S

Bis(2-ethylhexyl)phthalate

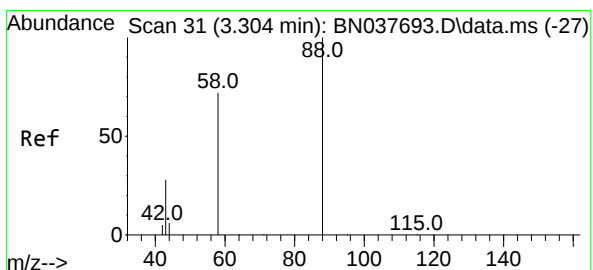
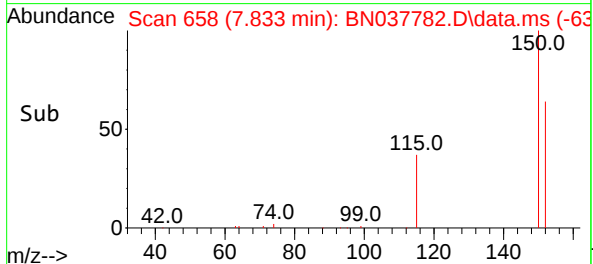
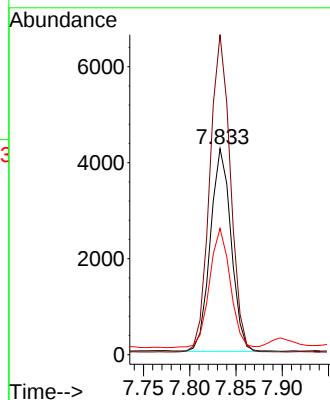
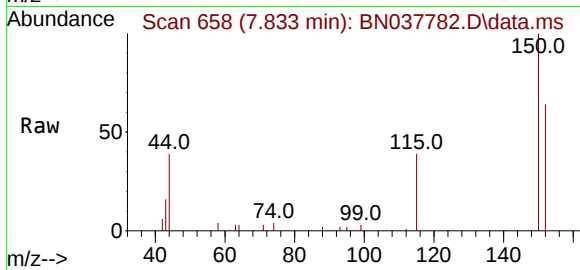
Perylene-d12, I



#1  
 1,4-Dichlorobenzene-d4  
 Concen: 0.400 ng  
 RT: 7.833 min Scan# 61  
 Delta R.T. -0.007 min  
 Lab File: BN037782.D  
 Acq: 18 Sep 2025 18:12

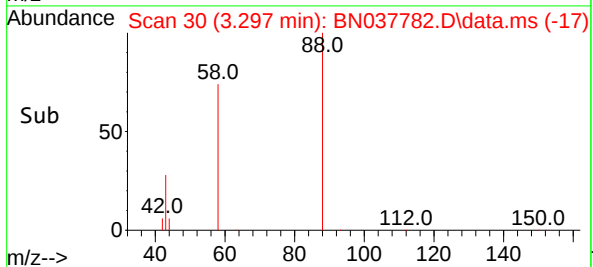
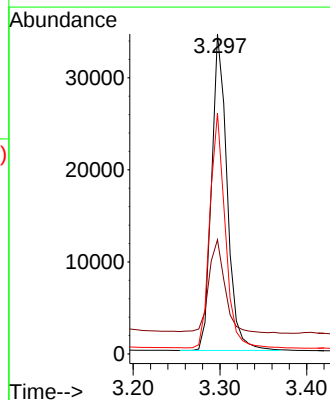
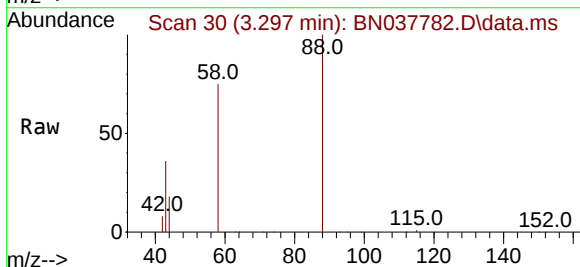
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 ClientSampleId :  
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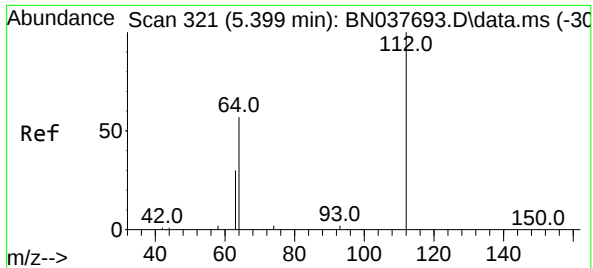
Tgt Ion:152 Resp: 6579  
 Ion Ratio Lower Upper  
 152 100  
 150 155.3 124.5 186.7  
 115 61.2 49.2 73.8



#2  
 1,4-Dioxane  
 Concen: 6.235 ng  
 RT: 3.297 min Scan# 30  
 Delta R.T. -0.007 min  
 Lab File: BN037782.D  
 Acq: 18 Sep 2025 18:12

Tgt Ion: 88 Resp: 42725  
 Ion Ratio Lower Upper  
 88 100  
 43 31.2 26.8 40.2  
 58 73.3 61.9 92.9

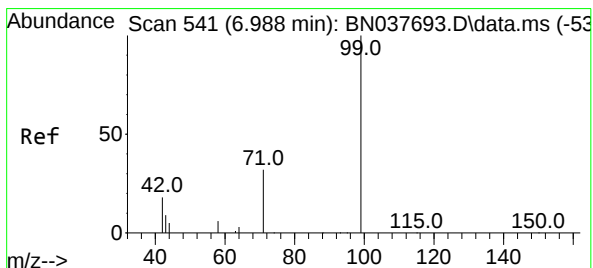
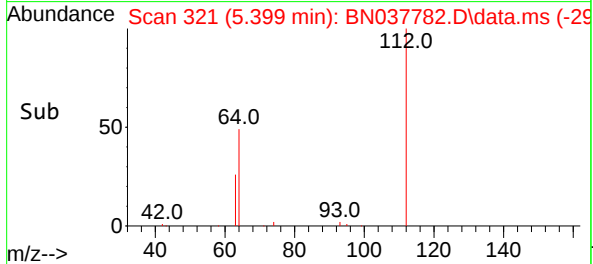
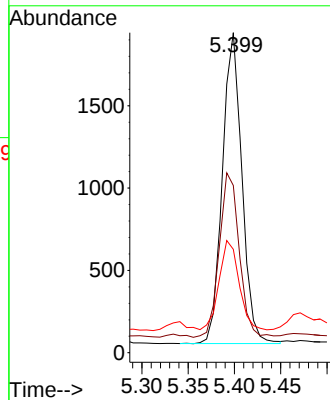
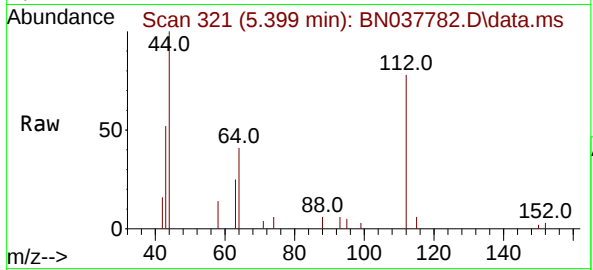




#4  
2-Fluorophenol  
Concen: 0.184 ng  
RT: 5.399 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

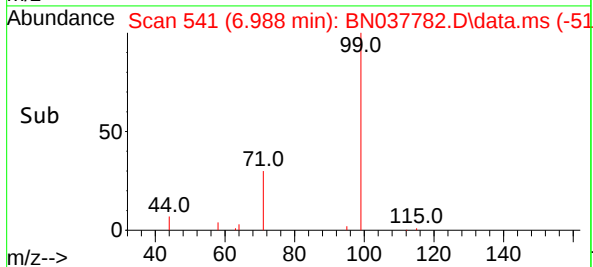
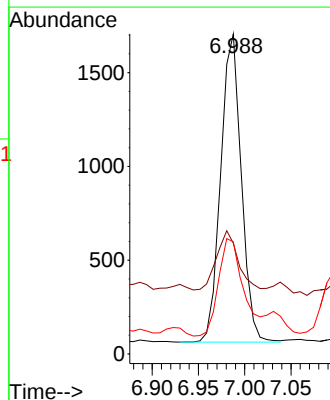
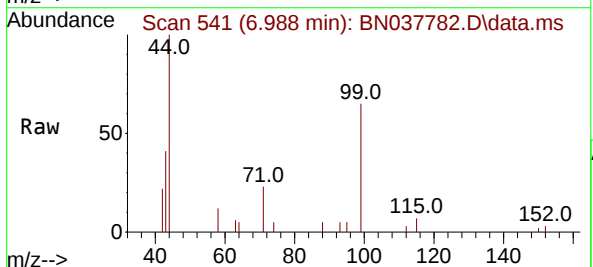
Instrument :  
BNA\_N  
ClientSampleId :  
MW3S

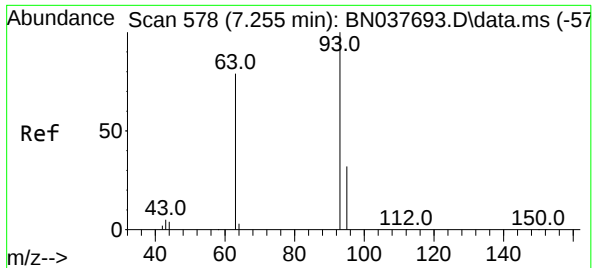
Tgt Ion:112 Resp: 2772  
Ion Ratio Lower Upper  
112 100  
64 53.9 44.9 67.3  
63 29.8 24.7 37.1



#5  
Phenol-d6  
Concen: 0.130 ng  
RT: 6.988 min Scan# 541  
Delta R.T. -0.000 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

Tgt Ion: 99 Resp: 2548  
Ion Ratio Lower Upper  
99 100  
42 21.1 16.6 24.8  
71 38.1 26.7 40.1

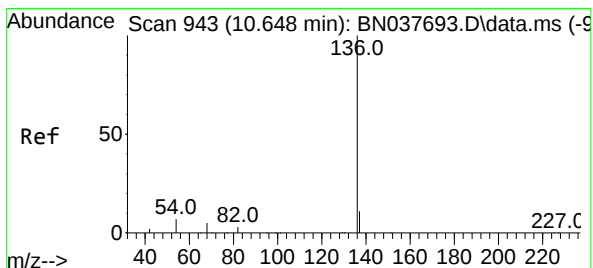
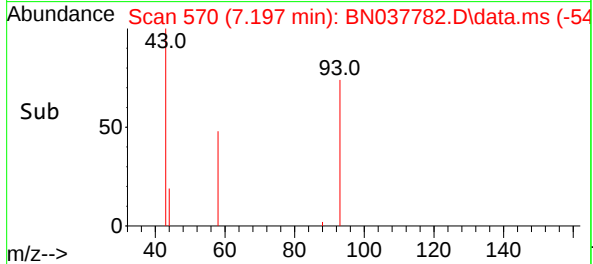
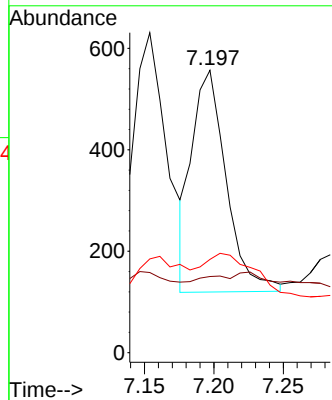
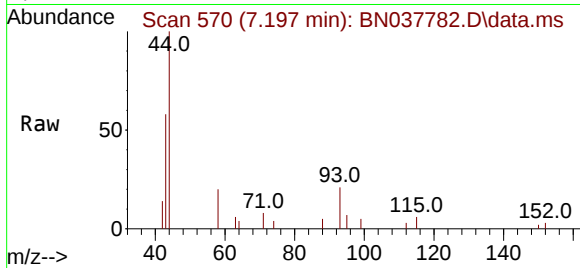




#6  
bis(2-Chloroethyl)ether  
Concen: 0.043 ng  
RT: 7.197 min Scan# 51  
Delta R.T. -0.058 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

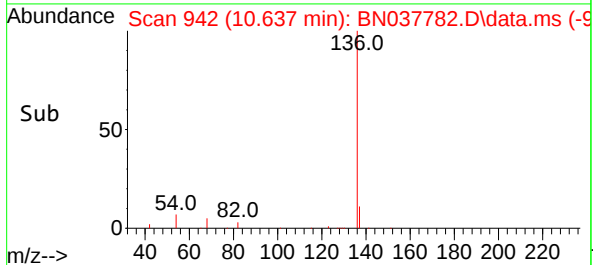
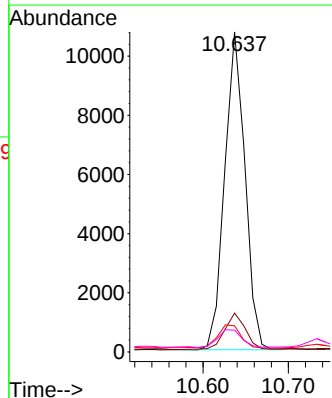
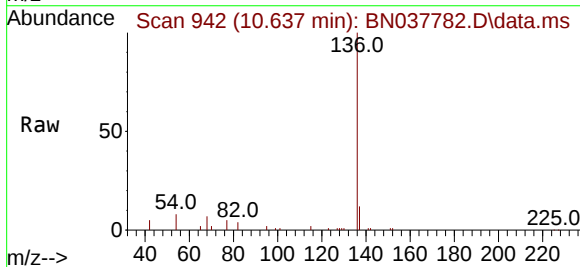
Instrument :  
BNA\_N  
ClientSampleId :  
MW3S

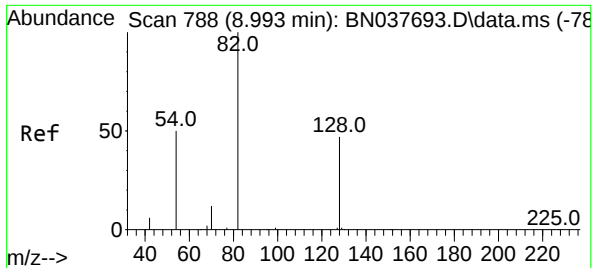
Tgt Ion: 93 Resp: 750  
Ion Ratio Lower Upper  
93 100  
63 0.0 60.6 90.8#  
95 29.7 26.0 39.0



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.637 min Scan# 942  
Delta R.T. -0.011 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

Tgt Ion: 136 Resp: 17764  
Ion Ratio Lower Upper  
136 100  
137 12.1 9.1 13.7  
54 8.2 6.3 9.5  
68 6.8 5.0 7.4

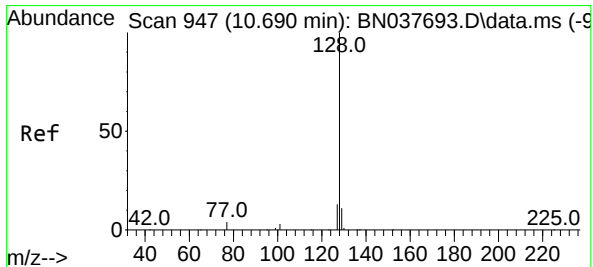
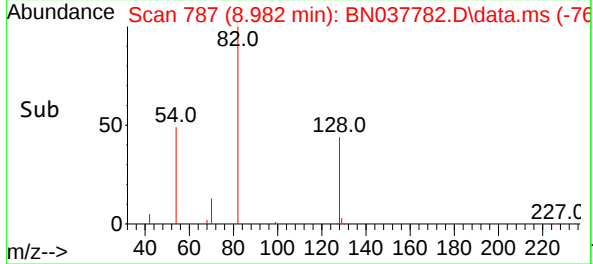
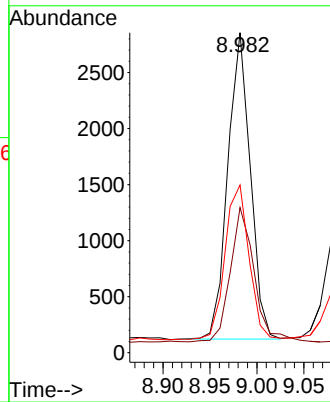
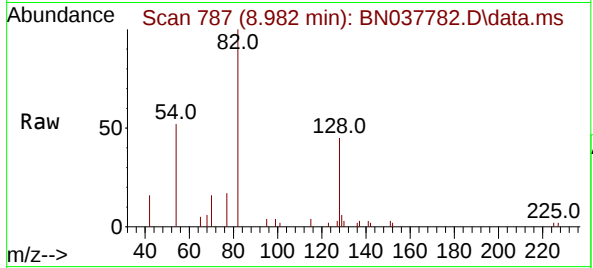




#8  
Nitrobenzene-d5  
Concen: 0.351 ng  
RT: 8.982 min Scan# 787  
Delta R.T. -0.011 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

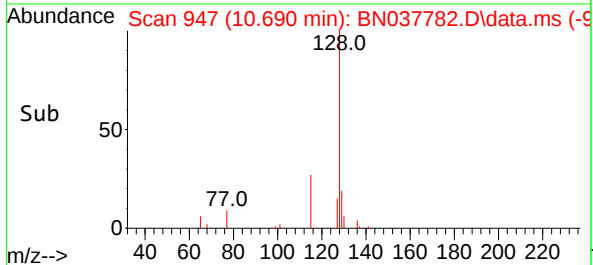
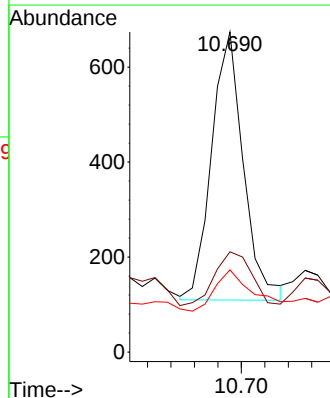
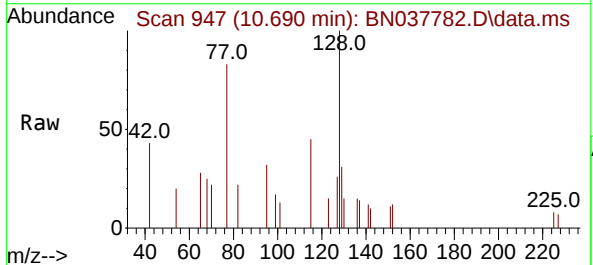
Instrument :  
BNA\_N  
ClientSampleId :  
MW3S

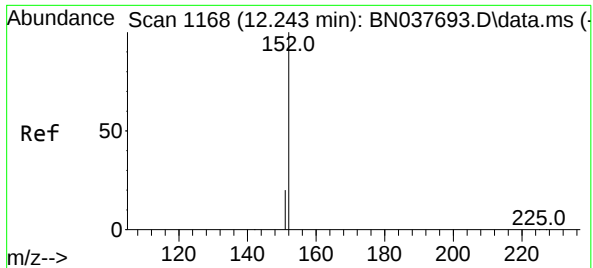
Tgt Ion: 82 Resp: 4565  
Ion Ratio Lower Upper  
82 100  
128 45.3 38.3 57.5  
54 52.4 41.4 62.2



#9  
Naphthalene  
Concen: 0.022 ng  
RT: 10.690 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

Tgt Ion: 128 Resp: 1060  
Ion Ratio Lower Upper  
128 100  
129 31.3 9.1 13.7#  
127 25.7 10.9 16.3#

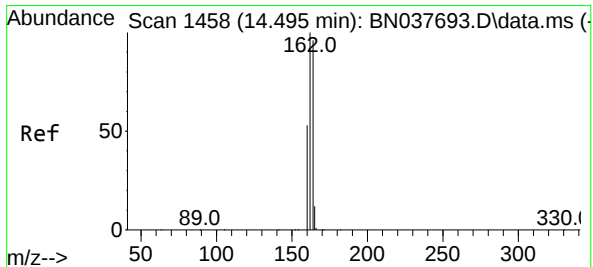
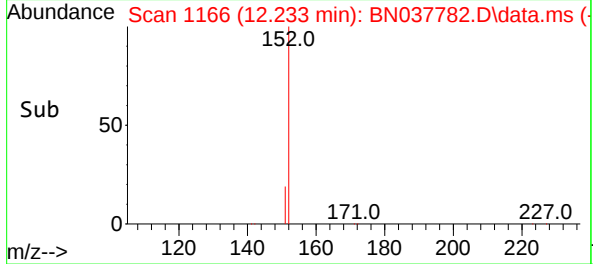
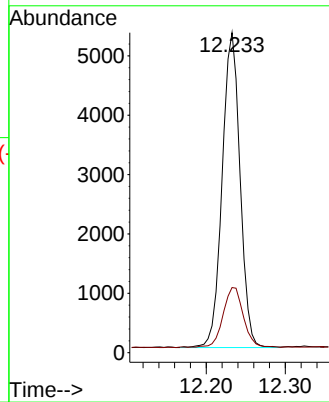
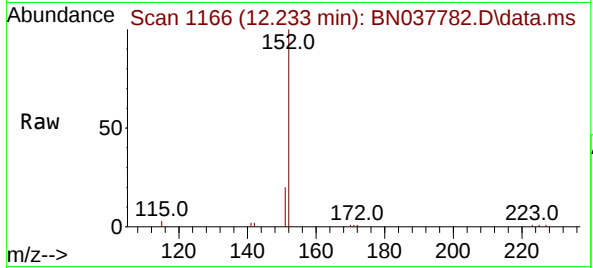




#11  
2-Methylnaphthalene-d10  
Concen: 0.355 ng  
RT: 12.233 min Scan# 1166  
Delta R.T. -0.010 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

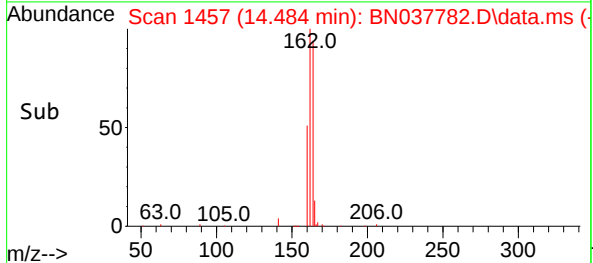
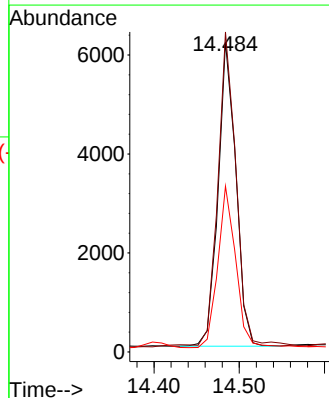
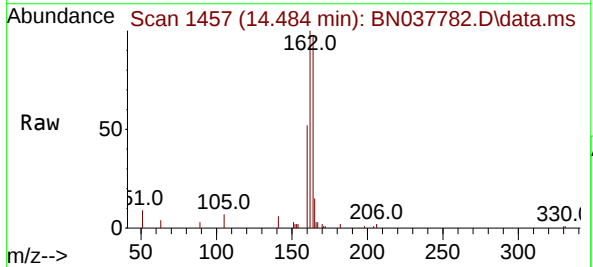
Instrument :  
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ClientSampleId :  
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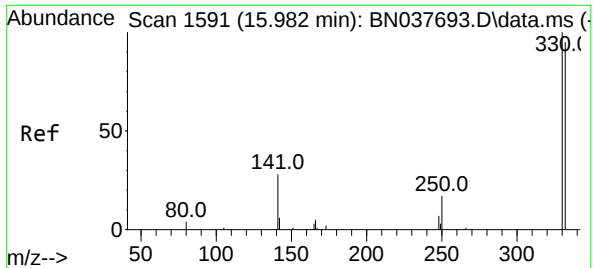
Tgt Ion:152 Resp: 8353  
Ion Ratio Lower Upper  
152 100  
151 21.4 17.0 25.6



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.484 min Scan# 1457  
Delta R.T. -0.011 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

Tgt Ion:164 Resp: 8899  
Ion Ratio Lower Upper  
164 100  
162 103.2 83.1 124.7  
160 53.5 44.3 66.5

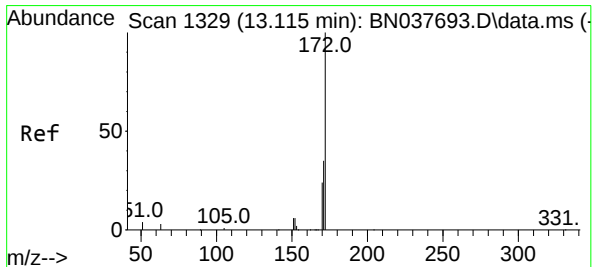
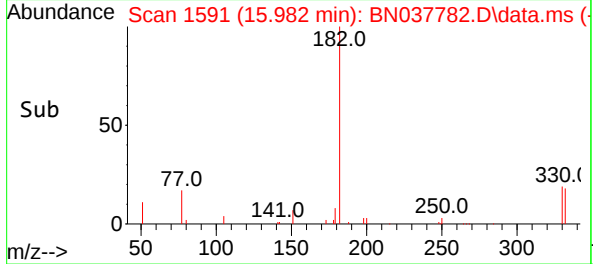
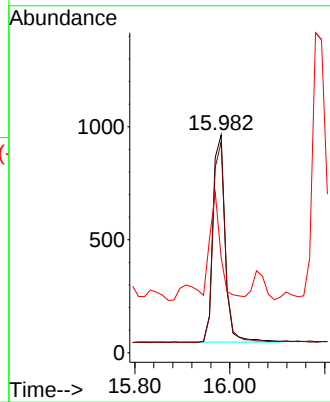
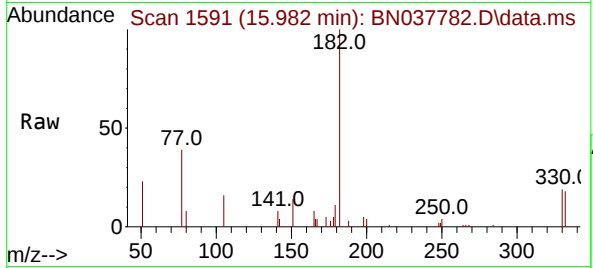




#14  
2,4,6-Tribromophenol  
Concen: 0.709 ng  
RT: 15.982 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

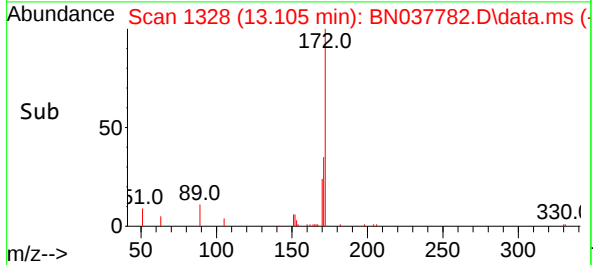
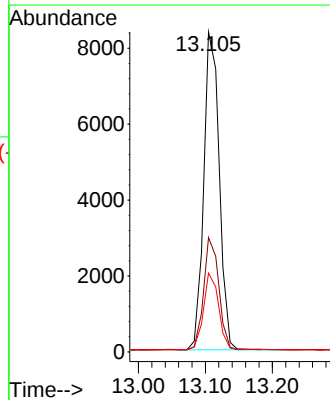
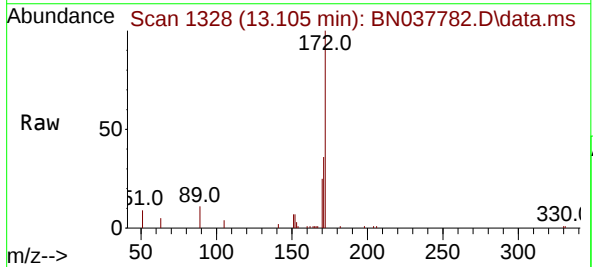
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ClientSampleId :  
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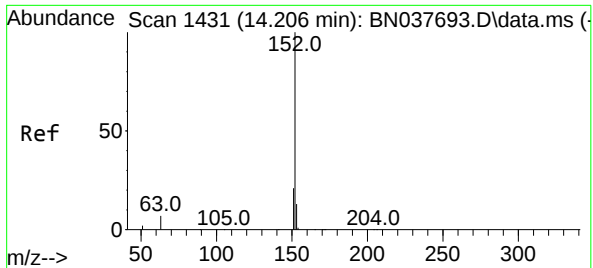
| Tgt Ion | 330  | 332   | 141  |
|---------|------|-------|------|
| Resp:   | 1646 |       |      |
| Ratio   | 100  | 96.5  | 47.2 |
| Lower   |      | 75.3  | 35.0 |
| Upper   |      | 112.9 | 52.4 |



#15  
2-Fluorobiphenyl  
Concen: 0.363 ng  
RT: 13.105 min Scan# 1328  
Delta R.T. -0.011 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

| Tgt Ion | 172   | 171  | 170  |
|---------|-------|------|------|
| Resp:   | 13500 |      |      |
| Ratio   | 100   | 35.7 | 24.7 |
| Lower   |       | 28.6 | 19.8 |
| Upper   |       | 43.0 | 29.8 |

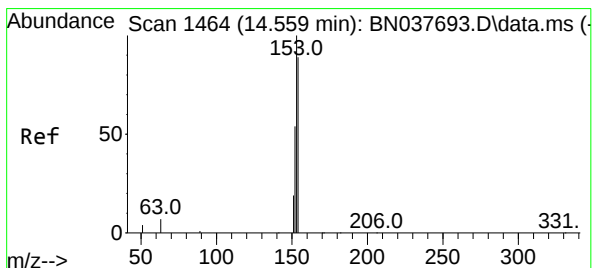
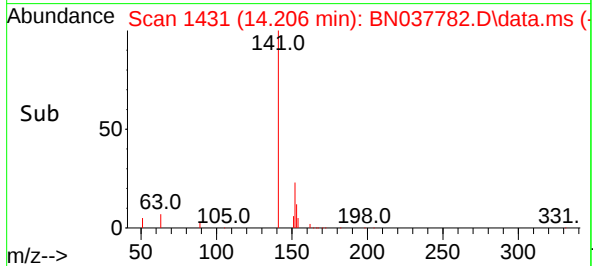
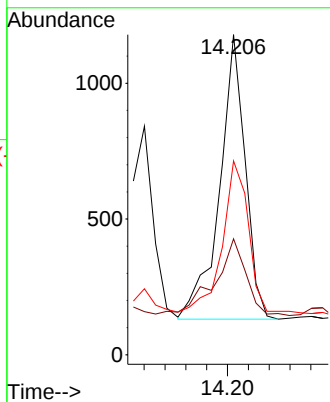
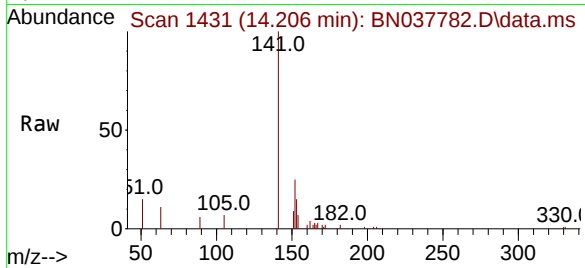




#16  
Acenaphthylene  
Concen: 0.044 ng  
RT: 14.206 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

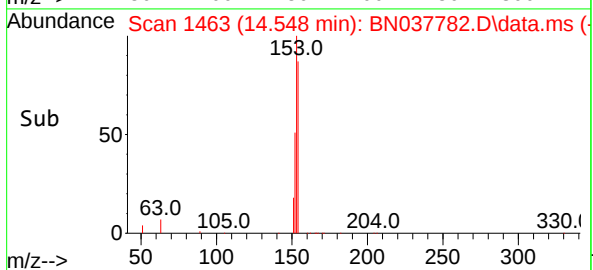
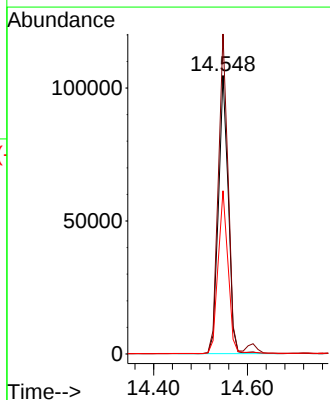
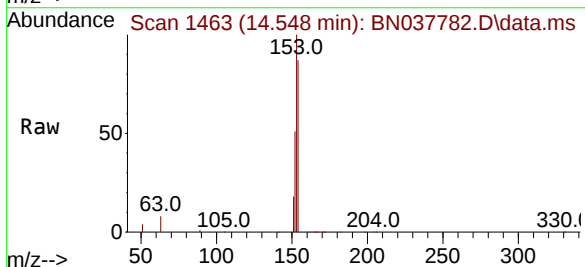
Instrument :  
BNA\_N  
ClientSampleId :  
MW3S

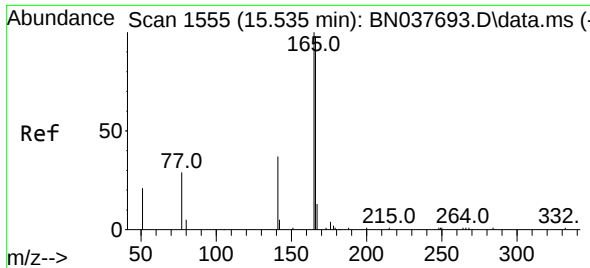
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:152 | Resp: | 1793       |
| Ion Ratio   | Lower | Upper      |
| 152         | 100   |            |
| 151         | 33.3  | 16.2 24.2# |
| 153         | 55.0  | 10.4 15.6# |



#17  
Acenaphthene  
Concen: 5.523 ng  
RT: 14.548 min Scan# 1463  
Delta R.T. -0.011 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:154 | Resp: | 152410     |
| Ion Ratio   | Lower | Upper      |
| 154         | 100   |            |
| 153         | 114.3 | 89.8 134.8 |
| 152         | 59.6  | 50.2 75.2  |

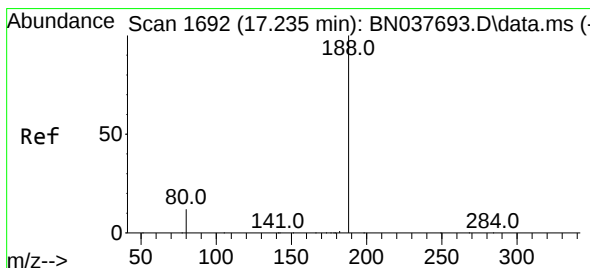
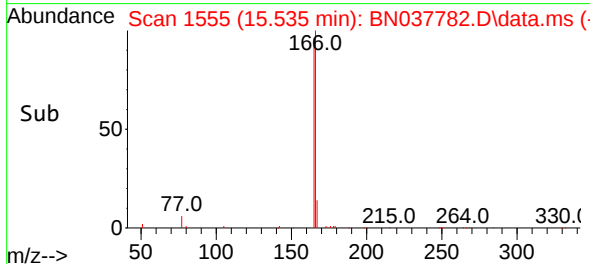
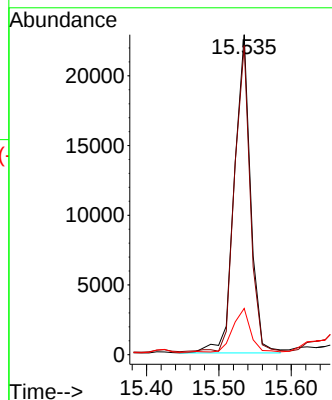
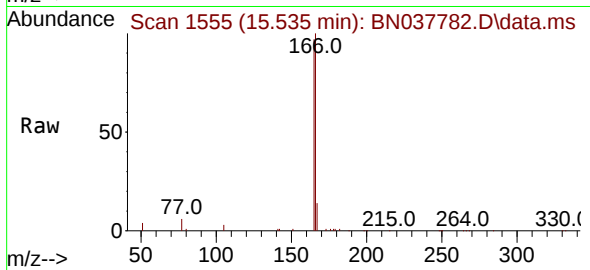




#18  
Fluorene  
Concen: 0.999 ng  
RT: 15.535 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

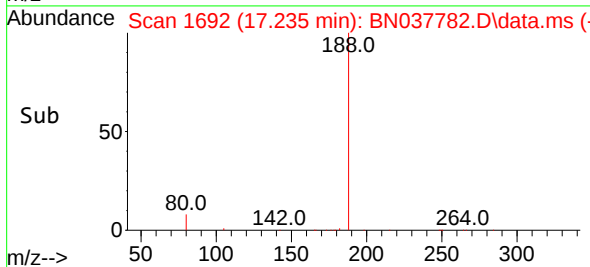
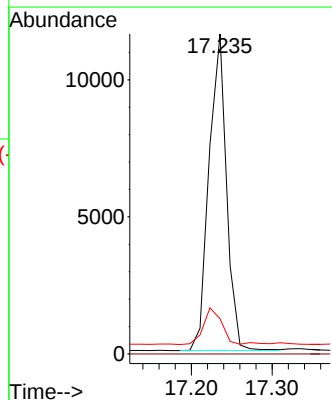
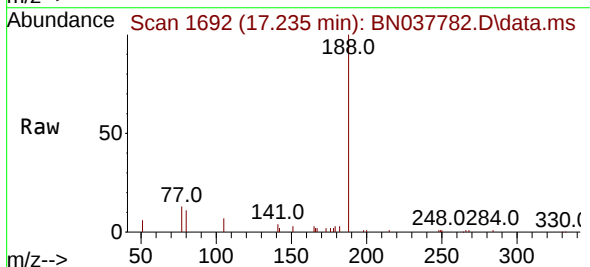
Instrument :  
BNA\_N  
ClientSampleId :  
MW3S

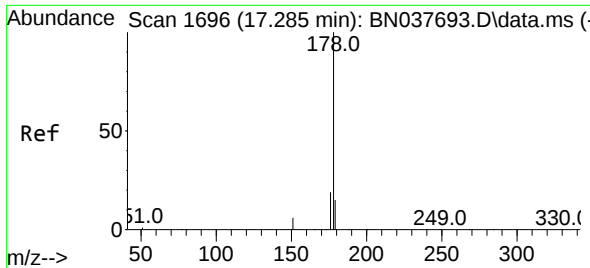
Tgt Ion:166 Resp: 33401  
Ion Ratio Lower Upper  
166 100  
165 92.3 79.6 119.4  
167 15.5 10.6 16.0



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.235 min Scan# 1692  
Delta R.T. -0.000 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

Tgt Ion:188 Resp: 17415  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 11.0 10.6 15.8

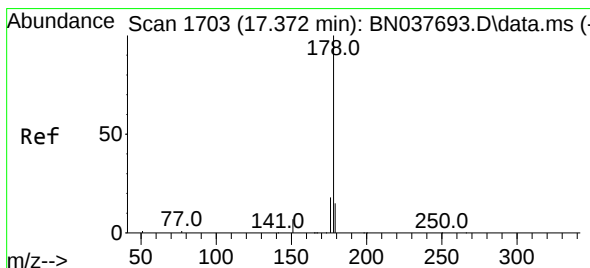
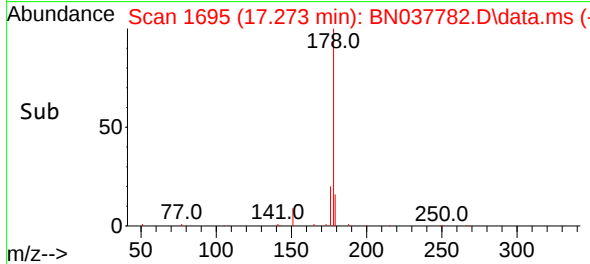
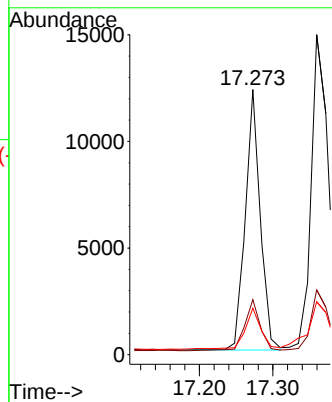
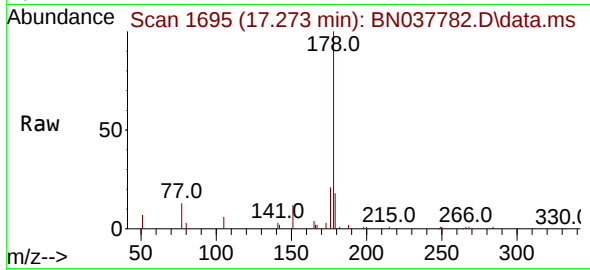




#25  
Phenanthrene  
Concen: 0.315 ng  
RT: 17.273 min Scan# 1702  
Delta R.T. -0.012 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

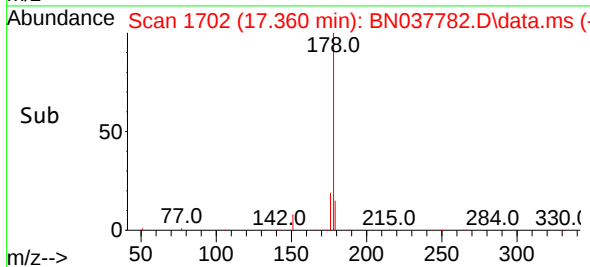
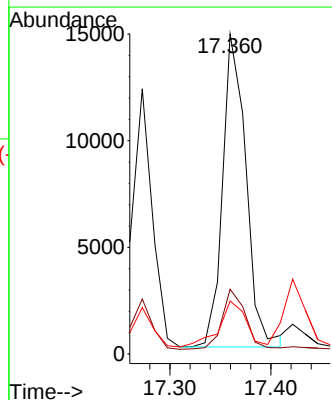
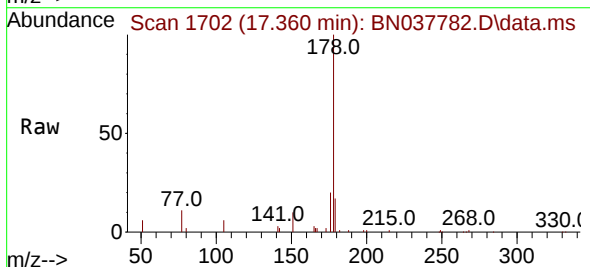
Instrument :  
BNA\_N  
ClientSampleId :  
MW3S

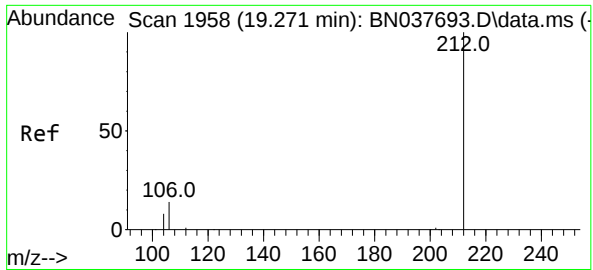
Tgt Ion:178 Resp: 17293  
Ion Ratio Lower Upper  
178 100  
176 20.1 15.3 22.9  
179 17.5 12.2 18.2



#26  
Anthracene  
Concen: 0.487 ng  
RT: 17.360 min Scan# 1702  
Delta R.T. -0.012 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

Tgt Ion:178 Resp: 23665  
Ion Ratio Lower Upper  
178 100  
176 19.1 14.6 22.0  
179 16.9 12.2 18.4

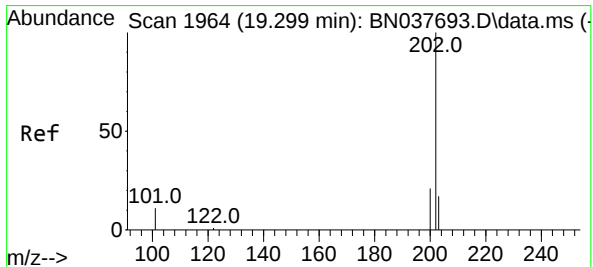
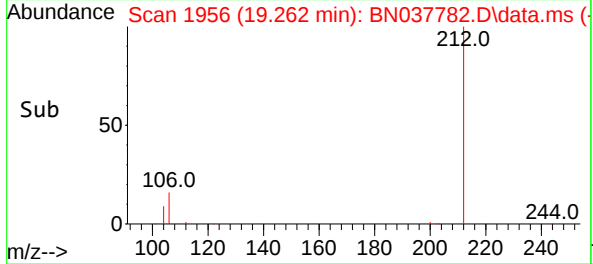
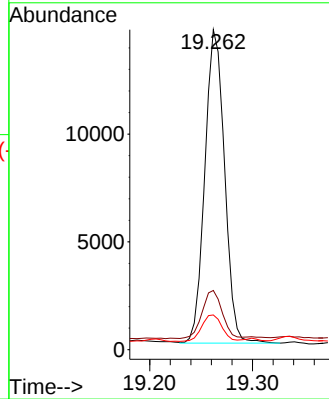
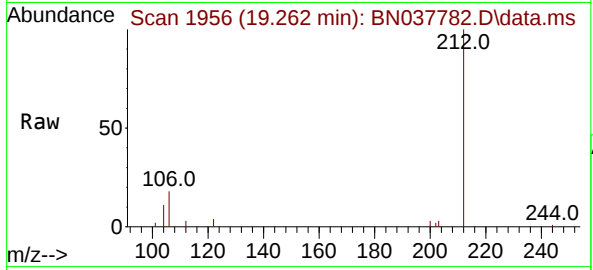




#27  
Fluoranthene-d10  
Concen: 0.443 ng  
RT: 19.262 min Scan# 1956  
Delta R.T. -0.009 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

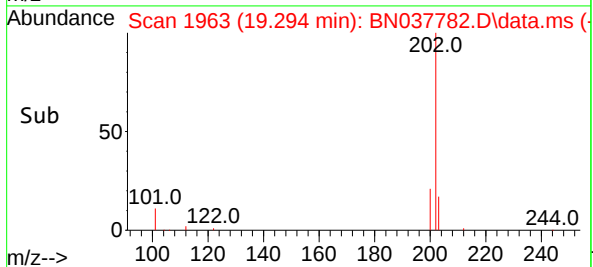
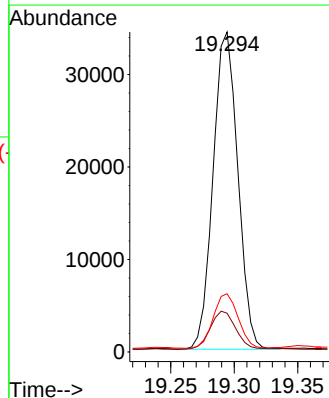
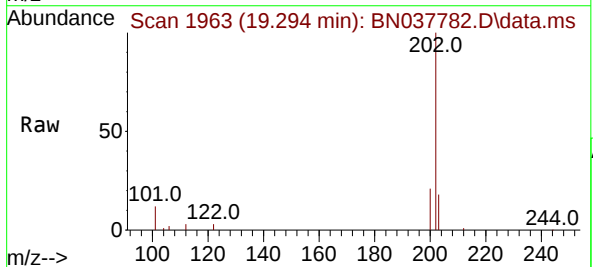
Instrument :  
BNA\_N  
ClientSampleId :  
MW3S

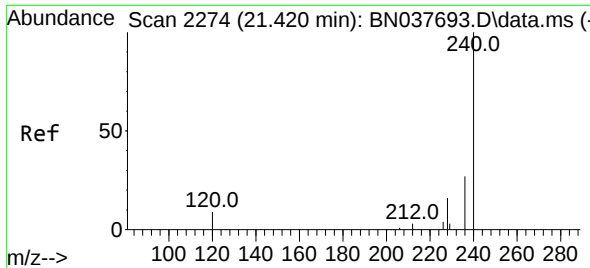
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 15.5  | 12.2  | 18.2  |
| 104     | 8.8   | 6.9   | 10.3  |



#28  
Fluoranthene  
Concen: 0.773 ng  
RT: 19.294 min Scan# 1963  
Delta R.T. -0.005 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.6  | 9.3   | 13.9  |
| 203     | 17.1  | 13.7  | 20.5  |

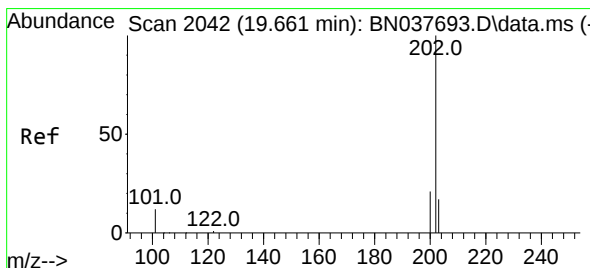
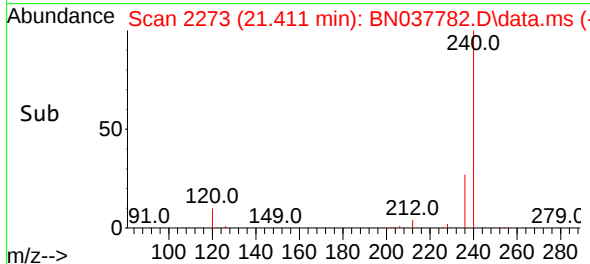
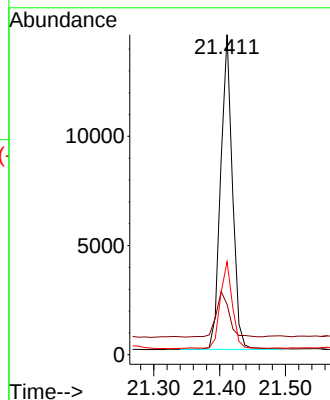
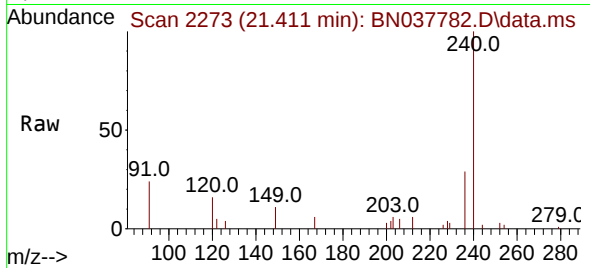




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.411 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

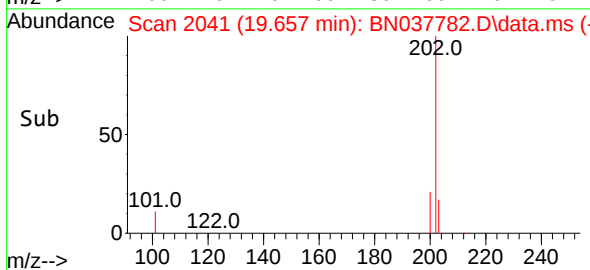
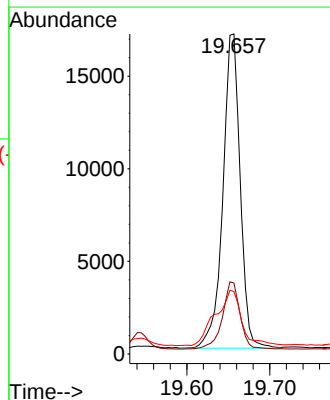
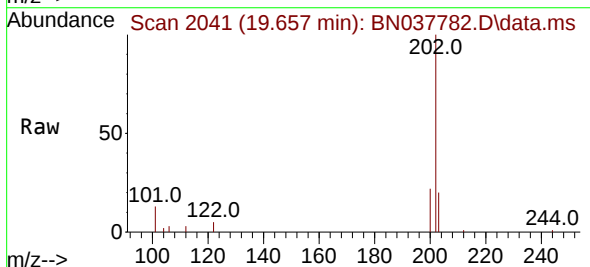
Instrument :  
BNA\_N  
ClientSampleId :  
MW3S

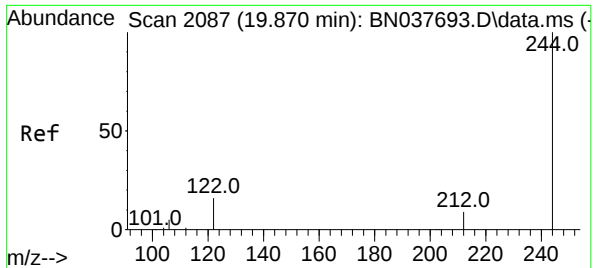
Tgt Ion:240 Resp: 17835  
Ion Ratio Lower Upper  
240 100  
120 15.7 9.2 13.8#  
236 29.1 22.6 33.8



#30  
Pyrene  
Concen: 0.351 ng  
RT: 19.657 min Scan# 2041  
Delta R.T. -0.005 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

Tgt Ion:202 Resp: 24513  
Ion Ratio Lower Upper  
202 100  
200 21.8 16.8 25.2  
203 26.5 14.3 21.5#

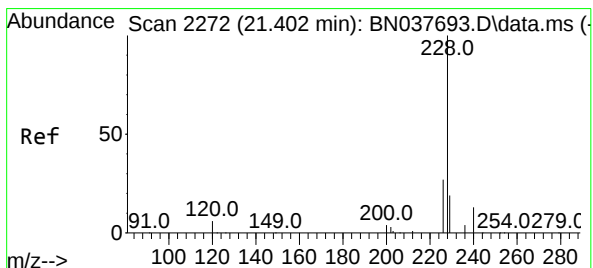
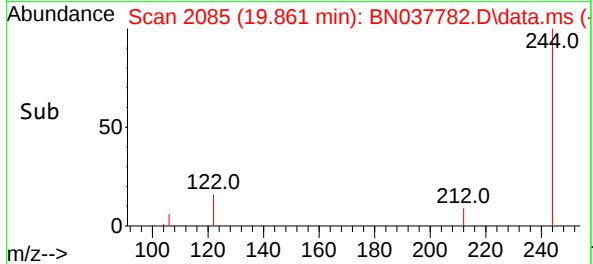
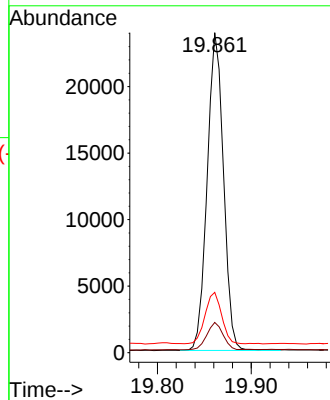
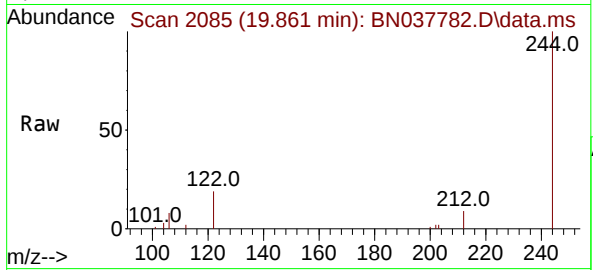




#31  
Terphenyl-d14  
Concen: 0.796 ng  
RT: 19.861 min Scan# 2085  
Delta R.T. -0.009 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

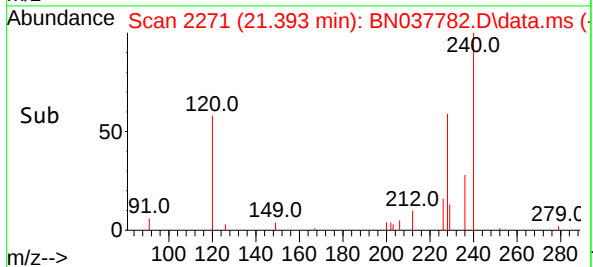
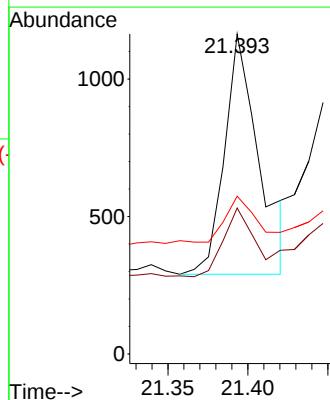
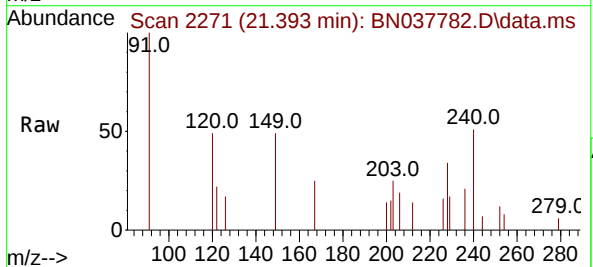
Instrument :  
BNA\_N  
ClientSampleId :  
MW3S

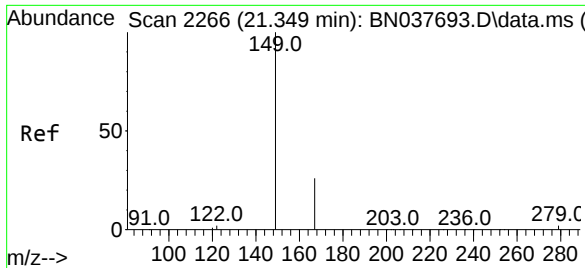
Tgt Ion:244 Resp: 28826  
Ion Ratio Lower Upper  
244 100  
212 9.5 7.5 11.3  
122 18.8 13.2 19.8



#32  
Benzo(a)anthracene  
Concen: 0.021 ng  
RT: 21.393 min Scan# 2271  
Delta R.T. -0.009 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

Tgt Ion:228 Resp: 1311  
Ion Ratio Lower Upper  
228 100  
226 45.6 22.2 33.2#  
229 49.3 15.8 23.6#

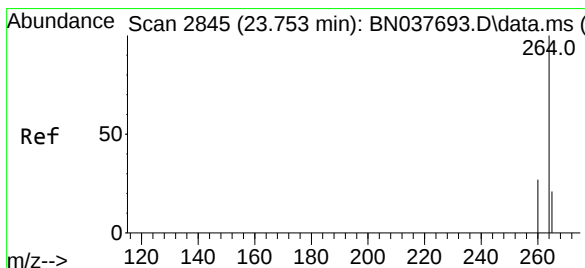
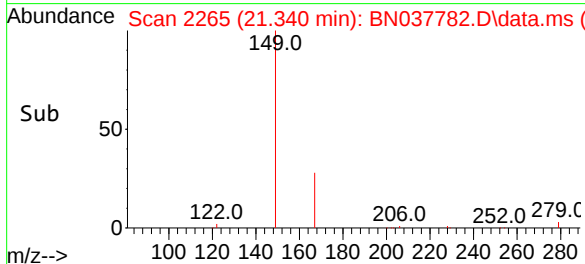
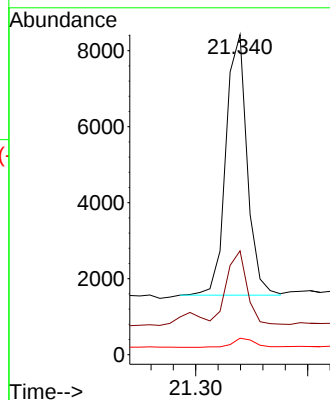
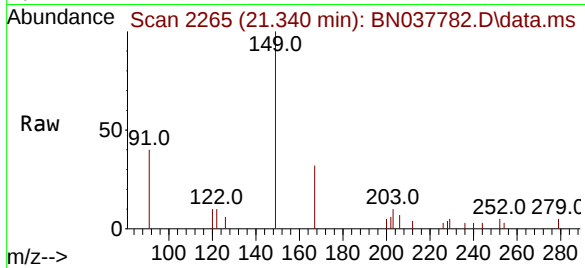




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.491 ng  
RT: 21.340 min Scan# 2134  
Delta R.T. -0.009 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

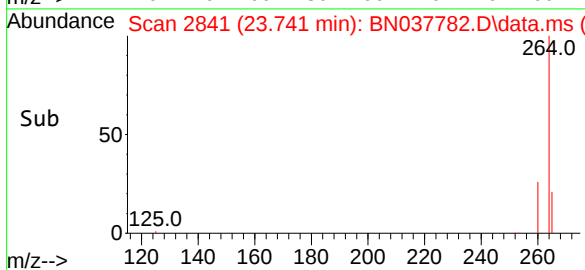
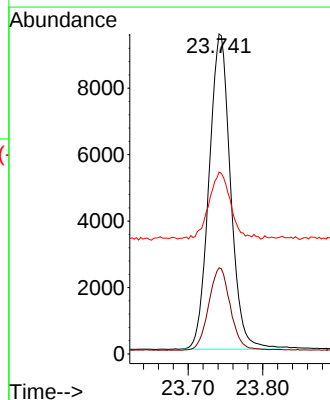
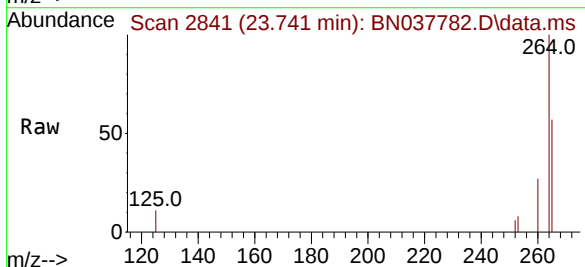
Instrument :  
BNA\_N  
ClientSampleId :  
MW3S

Tgt Ion:149 Resp: 9051  
Ion Ratio Lower Upper  
149 100  
167 26.8 20.8 31.2  
279 3.7 3.3 4.9



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.741 min Scan# 2841  
Delta R.T. -0.012 min  
Lab File: BN037782.D  
Acq: 18 Sep 2025 18:12

Tgt Ion:264 Resp: 19008  
Ion Ratio Lower Upper  
264 100  
260 26.9 21.8 32.8  
265 56.9 39.4 59.2



## Report of Analysis

|                    |                        |                 |                   |
|--------------------|------------------------|-----------------|-------------------|
| Client:            | G Environmental        | Date Collected: | 09/11/25          |
| Project:           | Blanchard              | Date Received:  | 09/11/25          |
| Client Sample ID:  | MW3SDL                 | SDG No.:        | Q3083             |
| Lab Sample ID:     | Q3083-03DL             | Matrix:         | Water             |
| Analytical Method: | SW8270ESIM             | % Solid:        | 0                 |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL      |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOC-SIM          |
| Extraction Type :  | Decanted :    N        | Level :         | LOW               |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N            PH : |
| Prep Method :      |                        |                 |                   |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037816.D        | 2         | 09/15/25 12:00 | 09/19/25 16:08 | PB169693      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 91-20-3                   | Naphthalene             | 0.080 | UD        | 0.080               | 0.20       | ug/L     |
| 208-96-8                  | Acenaphthylene          | 0.080 | UD        | 0.080               | 0.20       | ug/L     |
| 83-32-9                   | Acenaphthene            | 4.50  | D         | 0.080               | 0.20       | ug/L     |
| 86-73-7                   | Fluorene                | 0.77  | D         | 0.080               | 0.20       | ug/L     |
| 85-01-8                   | Phenanthrene            | 0.26  | D         | 0.070               | 0.20       | ug/L     |
| 120-12-7                  | Anthracene              | 0.38  | D         | 0.070               | 0.20       | ug/L     |
| 206-44-0                  | Fluoranthene            | 0.58  | D         | 0.070               | 0.20       | ug/L     |
| 129-00-0                  | Pyrene                  | 0.28  | D         | 0.060               | 0.20       | ug/L     |
| 56-55-3                   | Benzo(a)anthracene      | 0.070 | UD        | 0.070               | 0.20       | ug/L     |
| 218-01-9                  | Chrysene                | 0.070 | UD        | 0.070               | 0.20       | ug/L     |
| 205-99-2                  | Benzo(b)fluoranthene    | 0.070 | UD        | 0.070               | 0.20       | ug/L     |
| 207-08-9                  | Benzo(k)fluoranthene    | 0.10  | UD        | 0.10                | 0.20       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene          | 0.080 | UD        | 0.080               | 0.20       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene  | 0.090 | UD        | 0.090               | 0.20       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene  | 0.090 | UD        | 0.090               | 0.20       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene    | 0.080 | UD        | 0.080               | 0.20       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.26  |           | 30 (20) - 150 (139) | 66%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.33  |           | 30 (54) - 150 (157) | 83%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.29  |           | 30 (27) - 130 (154) | 72%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.30  |           | 30 (30) - 130 (155) | 75%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.65  | *         | 30 (54) - 130 (175) | 162%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 5940  |           | 7.832               |            |          |
| 1146-65-2                 | Naphthalene-d8          | 13500 |           | 10.637              |            |          |
| 15067-26-2                | Acenaphthene-d10        | 6160  |           | 14.484              |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 11700 |           | 17.235              |            |          |
| 1719-03-5                 | Chrysene-d12            | 10900 |           | 21.411              |            |          |
| 1520-96-3                 | Perylene-d12            | 10900 |           | 23.744              |            |          |

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: | 09/11/25                     |
| Project:           | Blanchard              | Date Received:  | 09/11/25                     |
| Client Sample ID:  | MW3SDL                 | SDG No.:        | Q3083                        |
| Lab Sample ID:     | Q3083-03DL             | Matrix:         | Water                        |
| Analytical Method: | SW8270ESIM             | % Solid:        | 0                            |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOC-SIM                     |
| Extraction Type :  | Decanted :    N        | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N                      PH :  |
| Prep Method :      |                        |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037816.D        | 2         | 09/15/25 12:00 | 09/19/25 16:08 | PB169693      |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091925\  
 Data File : BN037816.D  
 Acq On : 19 Sep 2025 16:08  
 Operator : RC/JU  
 Sample : Q3083-03DL 2X  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MW3SDL

Quant Time: Sep 19 16:56:10 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:20:01 2025  
 Response via : Initial Calibration

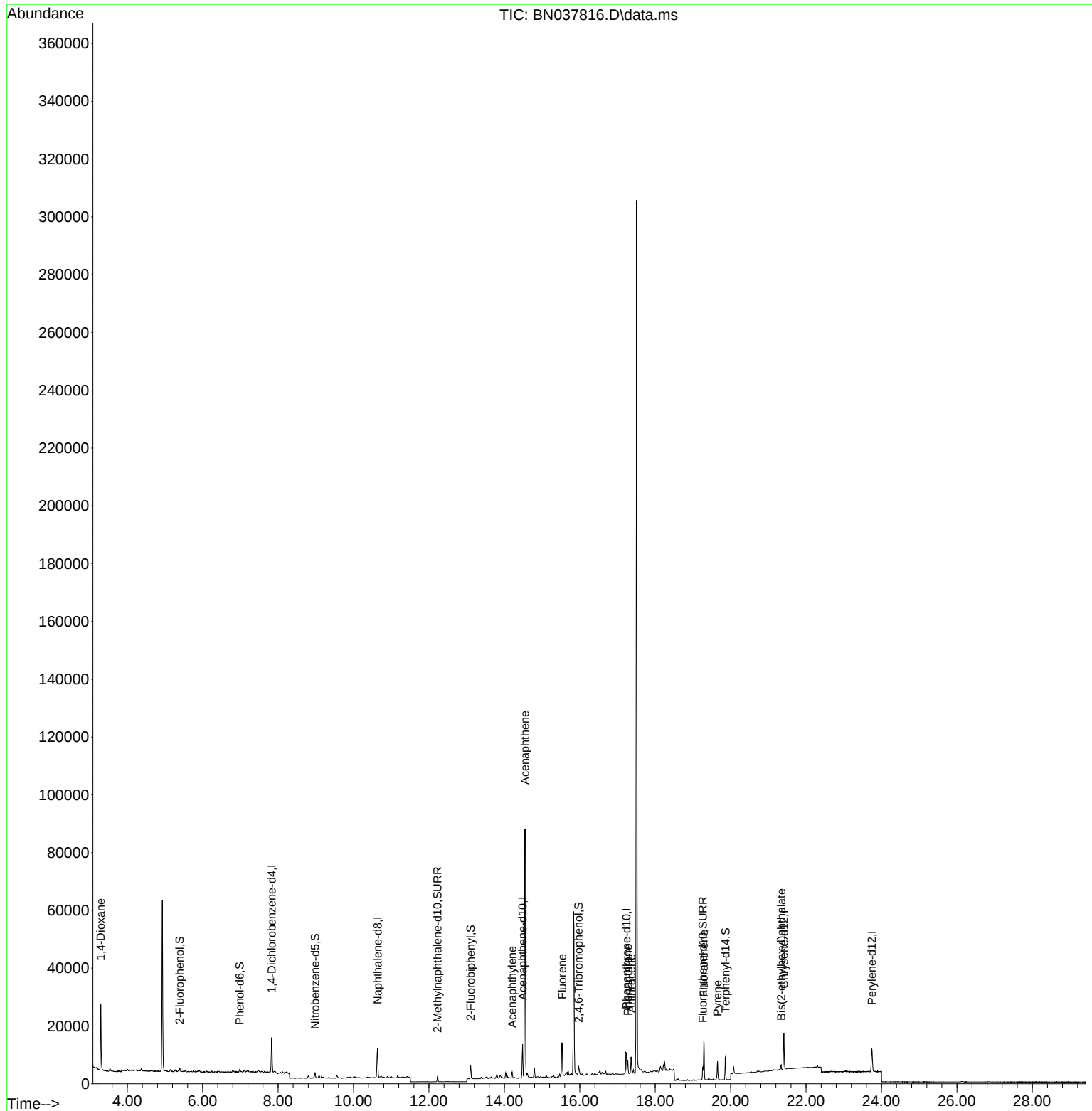
| Compound                      | R.T.   | QIon | Response | Conc Units | Dev(Min) |
|-------------------------------|--------|------|----------|------------|----------|
| -----                         |        |      |          |            |          |
| Internal Standards            |        |      |          |            |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.832  | 152  | 5937     | 0.400 ng   | 0.00     |
| 7) Naphthalene-d8             | 10.637 | 136  | 13519    | 0.400 ng   | -0.01    |
| 13) Acenaphthene-d10          | 14.484 | 164  | 6156     | 0.400 ng   | -0.01    |
| 19) Phenanthrene-d10          | 17.235 | 188  | 11729    | 0.400 ng   | # 0.00   |
| 29) Chrysene-d12              | 21.411 | 240  | 10935    | 0.400 ng   | # 0.00   |
| 35) Perylene-d12              | 23.744 | 264  | 10906    | 0.400 ng   | # 0.00   |
| System Monitoring Compounds   |        |      |          |            |          |
| 4) 2-Fluorophenol             | 5.391  | 112  | 957      | 0.070 ng   | 0.00     |
| 5) Phenol-d6                  | 6.980  | 99   | 885      | 0.050 ng   | 0.00     |
| 8) Nitrobenzene-d5            | 8.982  | 82   | 1434     | 0.145 ng   | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.227 | 152  | 2367     | 0.132 ng   | -0.02    |
| 14) 2,4,6-Tribromophenol      | 15.969 | 330  | 384      | 0.239 ng   | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.104 | 172  | 3833     | 0.149 ng   | -0.01    |
| 27) Fluoranthene-d10          | 19.262 | 212  | 4881     | 0.166 ng   | 0.00     |
| 31) Terphenyl-d14             | 19.861 | 244  | 7221     | 0.325 ng   | 0.00     |
| Target Compounds              |        |      |          |            |          |
|                               |        |      |          |            | Qvalue   |
| 2) 1,4-Dioxane                | 3.297  | 88   | 13467    | 2.178 ng   | 97       |
| 16) Acenaphthylene            | 14.206 | 152  | 622      | 0.022 ng   | # 52     |
| 17) Acenaphthene              | 14.548 | 154  | 42996    | 2.252 ng   | 98       |
| 18) Fluorene                  | 15.535 | 166  | 8908     | 0.385 ng   | 96       |
| 25) Phenanthrene              | 17.272 | 178  | 4851     | 0.131 ng   | 96       |
| 26) Anthracene                | 17.359 | 178  | 6194     | 0.189 ng   | 98       |
| 28) Fluoranthene              | 19.289 | 202  | 11726    | 0.290 ng   | 99       |
| 30) Pyrene                    | 19.652 | 202  | 6090     | 0.142 ng   | # 89     |
| 34) Bis(2-ethylhexyl)phtha... | 21.339 | 149  | 1849     | 0.164 ng   | 98       |
| -----                         |        |      |          |            |          |

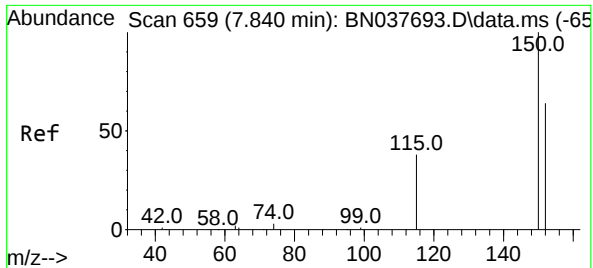
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BN037816.D  
Acq On : 19 Sep 2025 16:08  
Operator : RC/JU  
Sample : Q3083-03DL 2X  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
MW3SDL

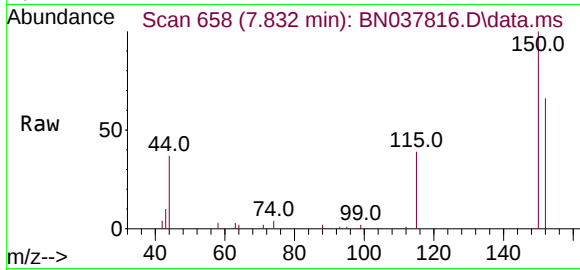
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 11 14:20:01 2025  
Response via : Initial Calibration



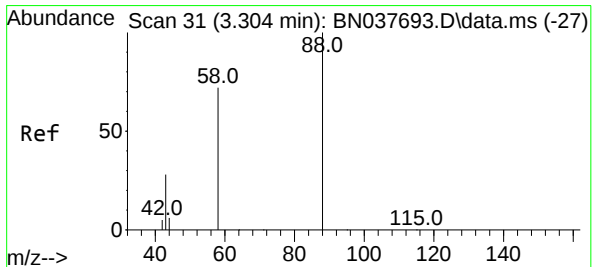
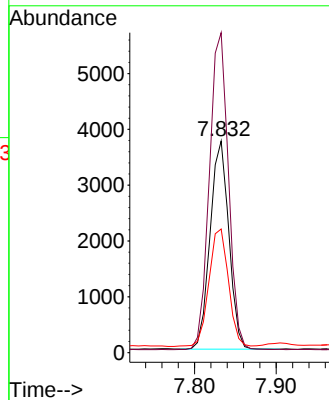
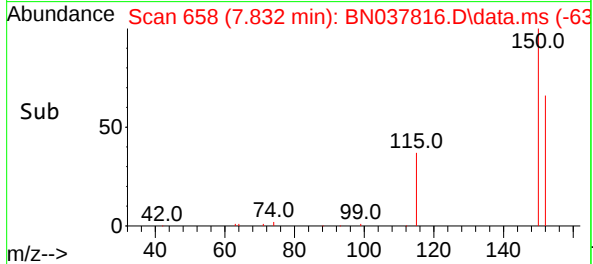


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.832 min Scan# 61  
Delta R.T. -0.008 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

Instrument :  
BNA\_N  
ClientSampleId :  
MW3SDL

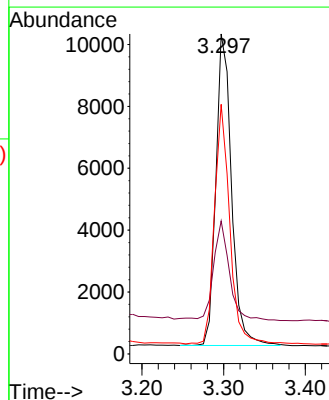
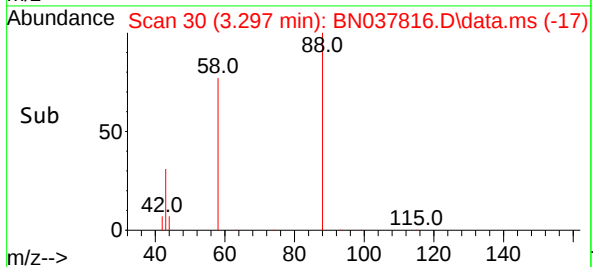
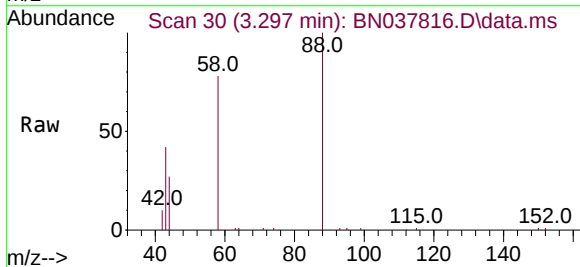


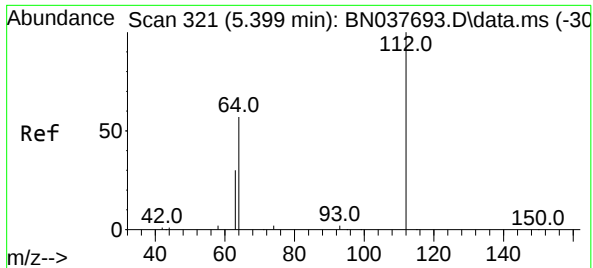
Tgt Ion:152 Resp: 5937  
Ion Ratio Lower Upper  
152 100  
150 151.3 124.5 186.7  
115 58.5 49.2 73.8



#2  
1,4-Dioxane  
Concen: 2.178 ng  
RT: 3.297 min Scan# 30  
Delta R.T. -0.008 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

Tgt Ion: 88 Resp: 13467  
Ion Ratio Lower Upper  
88 100  
43 32.7 26.8 40.2  
58 74.2 61.9 92.9

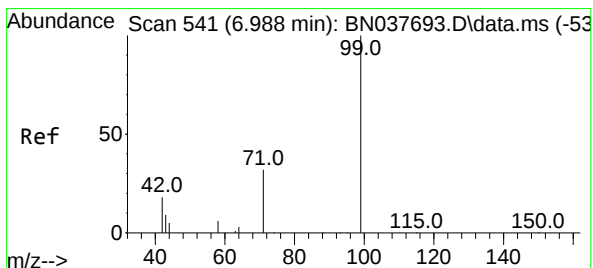
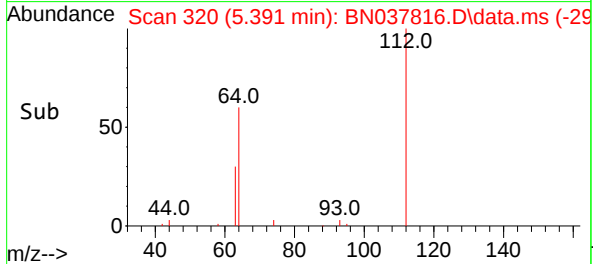
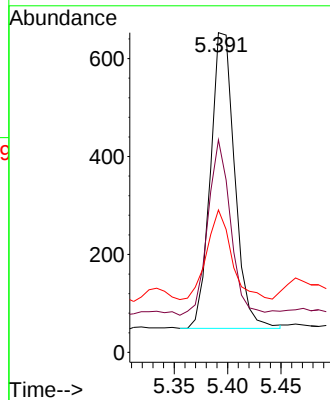
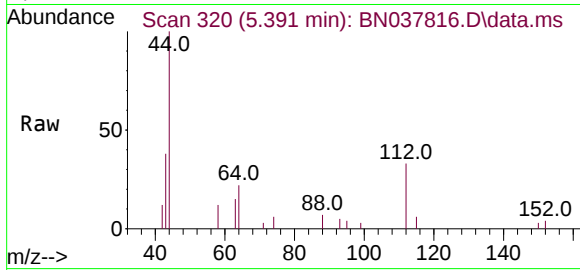




#4  
2-Fluorophenol  
Concen: 0.070 ng  
RT: 5.391 min Scan# 31  
Delta R.T. -0.008 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

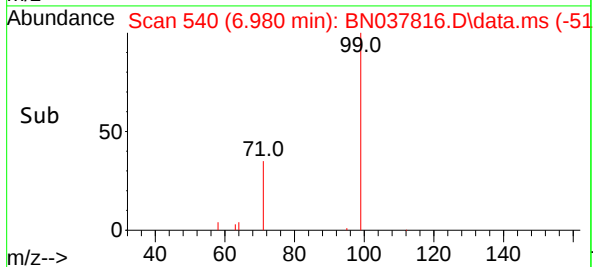
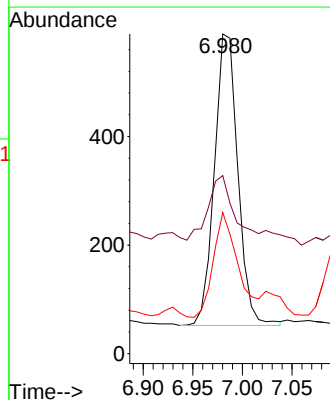
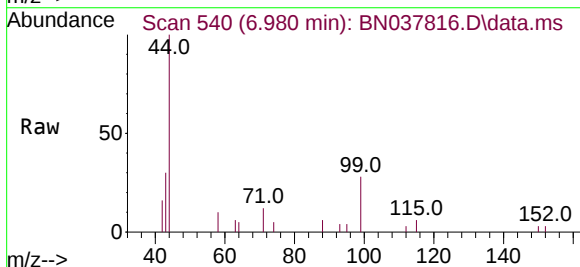
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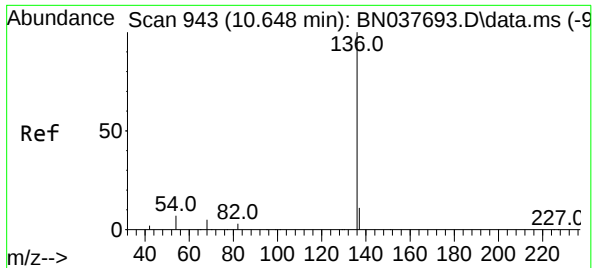
Tgt Ion:112 Resp: 957  
Ion Ratio Lower Upper  
112 100  
64 55.4 44.9 67.3  
63 30.6 24.7 37.1



#5  
Phenol-d6  
Concen: 0.050 ng  
RT: 6.980 min Scan# 540  
Delta R.T. -0.008 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

Tgt Ion: 99 Resp: 885  
Ion Ratio Lower Upper  
99 100  
42 32.8 16.6 24.8#  
71 37.9 26.7 40.1

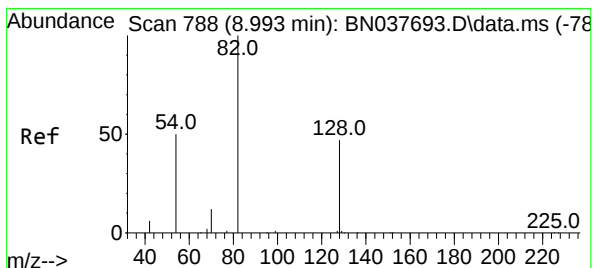
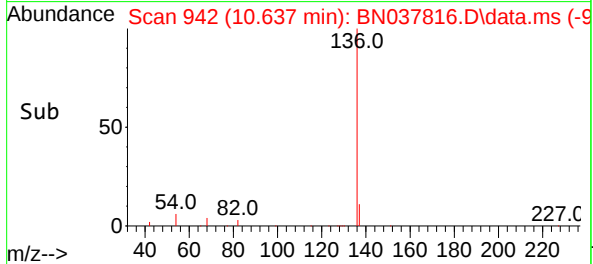
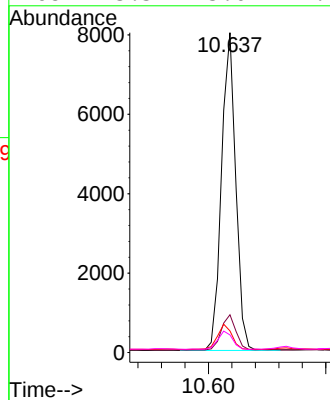
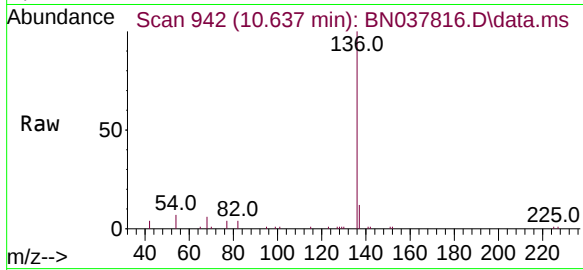




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.637 min Scan# 94  
Delta R.T. -0.011 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

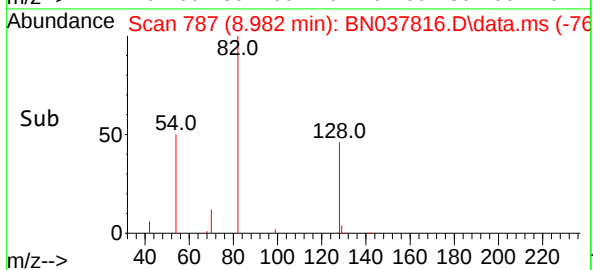
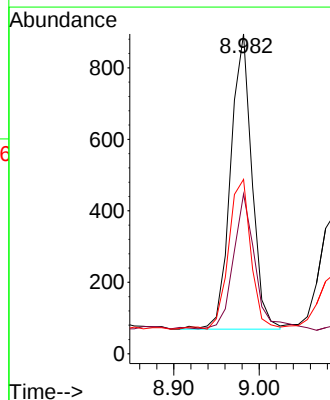
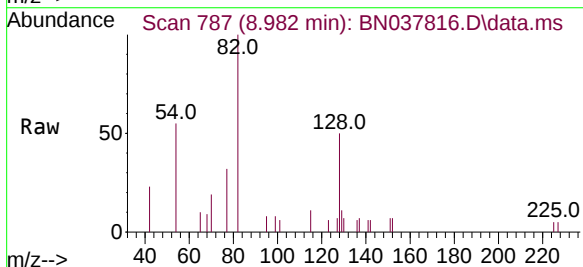
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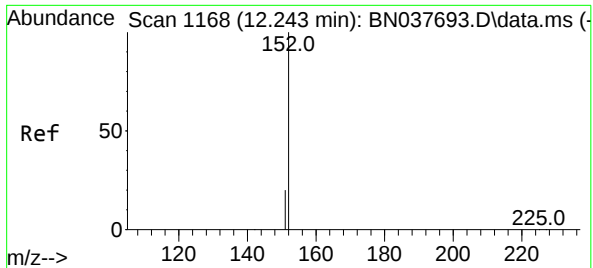
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:136 | Resp: | 13519       |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.8  | 9.1 13.7    |
| 54          | 6.8   | 6.3 9.5     |
| 68          | 5.5   | 5.0 7.4     |



#8  
Nitrobenzene-d5  
Concen: 0.145 ng  
RT: 8.982 min Scan# 787  
Delta R.T. -0.011 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 1434        |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 49.9  | 38.3 57.5   |
| 54          | 54.5  | 41.4 62.2   |

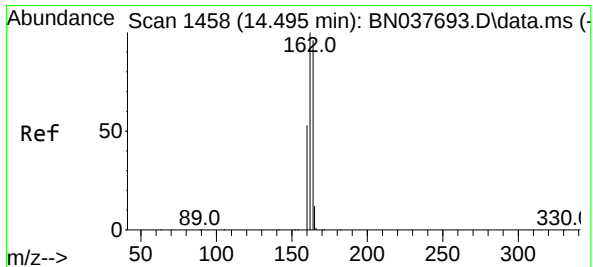
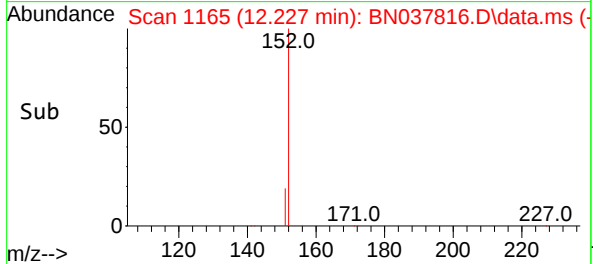
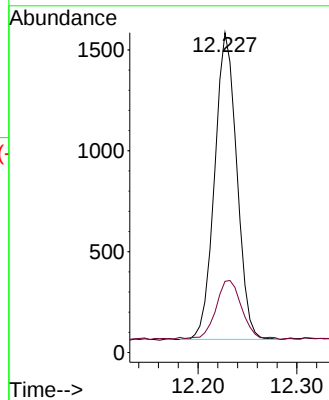
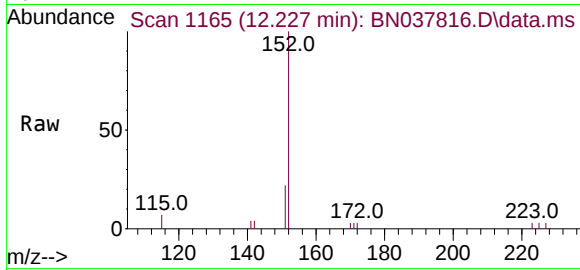




#11  
2-Methylnaphthalene-d10  
Concen: 0.132 ng  
RT: 12.227 min Scan# 1165  
Delta R.T. -0.016 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

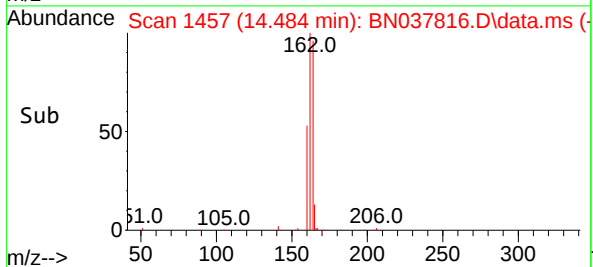
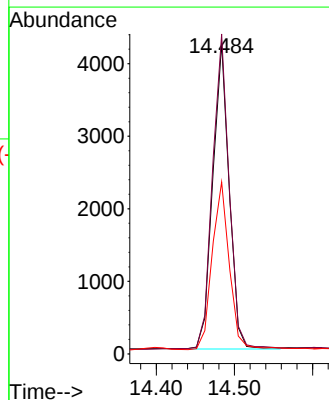
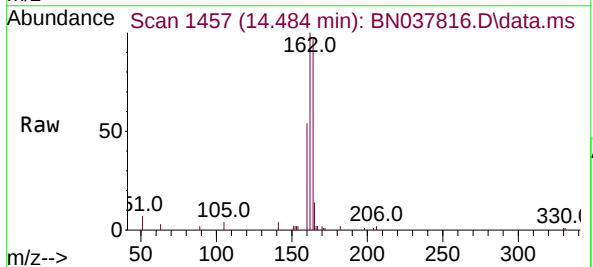
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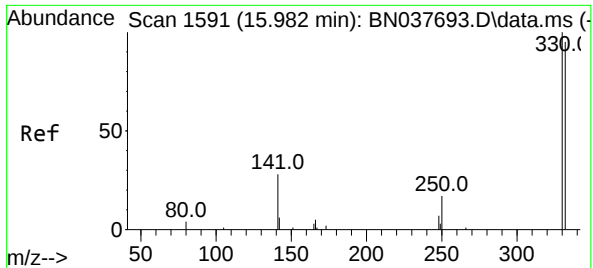
Tgt Ion:152 Resp: 2367  
Ion Ratio Lower Upper  
152 100  
151 22.3 17.0 25.6



#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.484 min Scan# 1457  
Delta R.T. -0.011 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

Tgt Ion:164 Resp: 6156  
Ion Ratio Lower Upper  
164 100  
162 103.0 83.1 124.7  
160 55.4 44.3 66.5

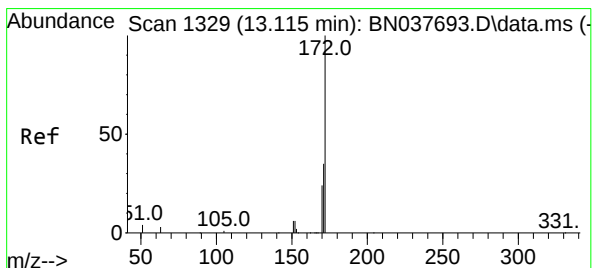
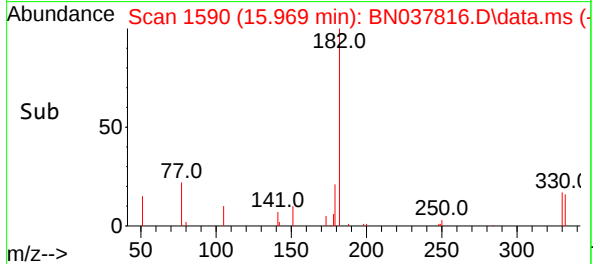
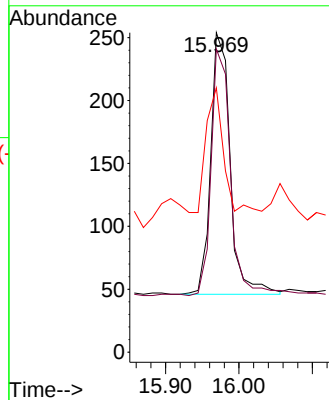
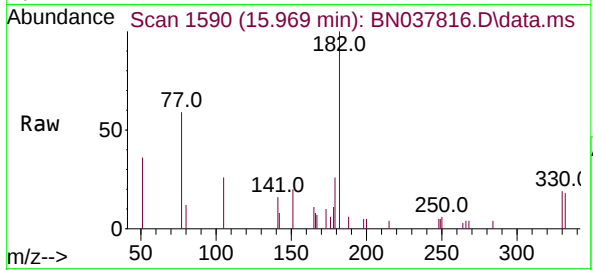




#14  
2,4,6-Tribromophenol  
Concen: 0.239 ng  
RT: 15.969 min Scan# 1590  
Delta R.T. -0.013 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

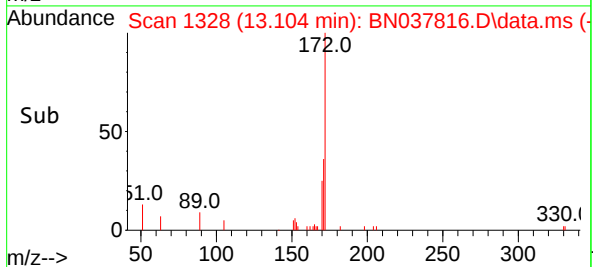
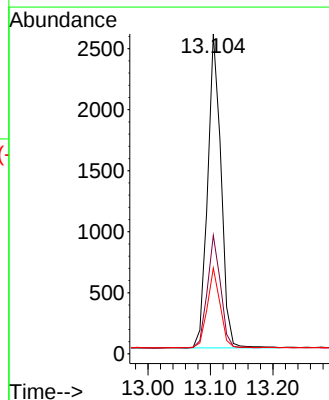
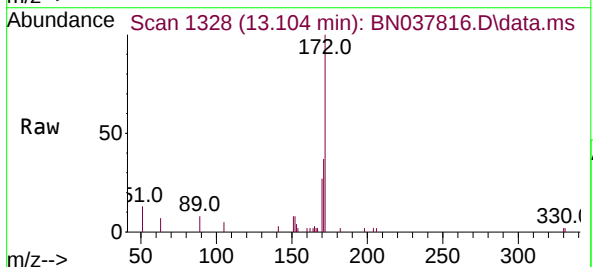
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BNA\_N  
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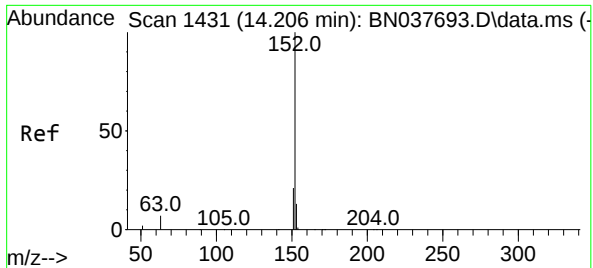
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 330   | Resp: | 384   |
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 95.3  | 75.3  | 112.9 |
| 141       | 54.4  | 35.0  | 52.4  |



#15  
2-Fluorobiphenyl  
Concen: 0.149 ng  
RT: 13.104 min Scan# 1328  
Delta R.T. -0.011 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 172   | Resp: | 3833 |
| Ion Ratio | Lower | Upper |      |
| 172       | 100   |       |      |
| 171       | 37.0  | 28.6  | 43.0 |
| 170       | 26.8  | 19.8  | 29.8 |

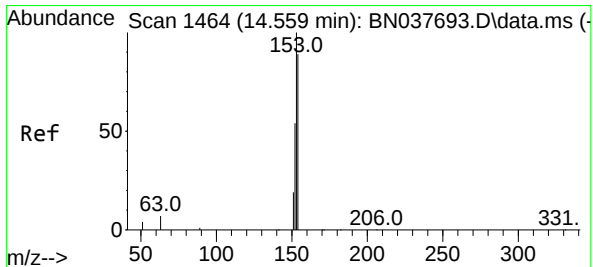
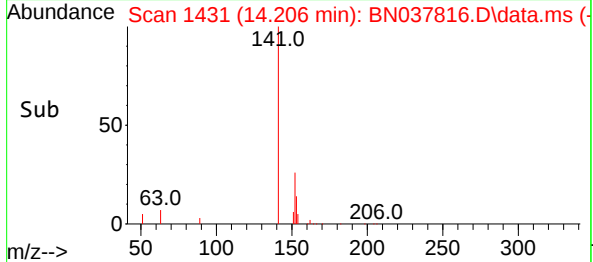
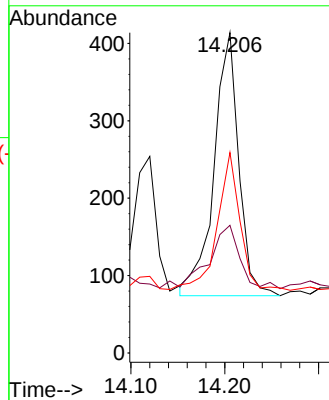
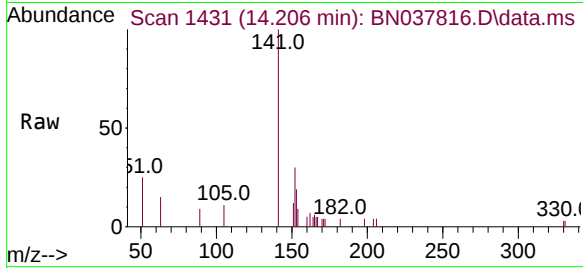




#16  
Acenaphthylene  
Concen: 0.022 ng  
RT: 14.206 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

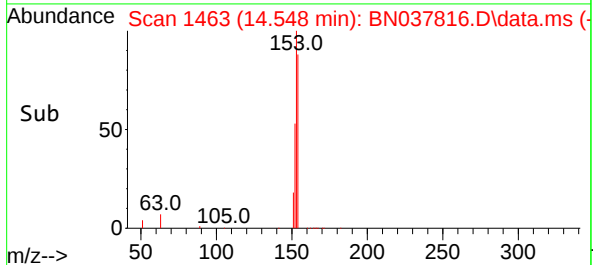
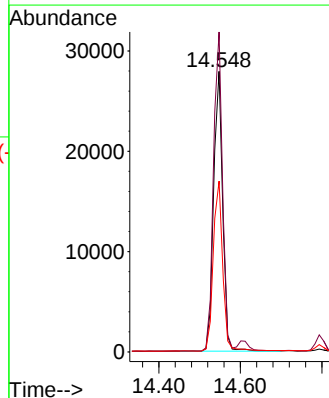
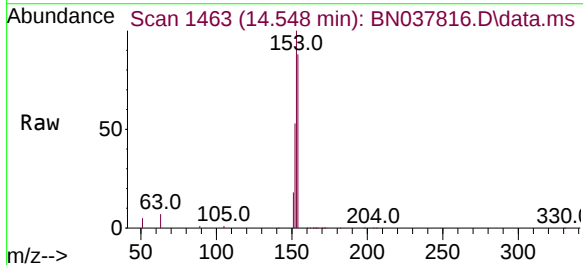
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BNA\_N  
ClientSampleId :  
MW3SDL

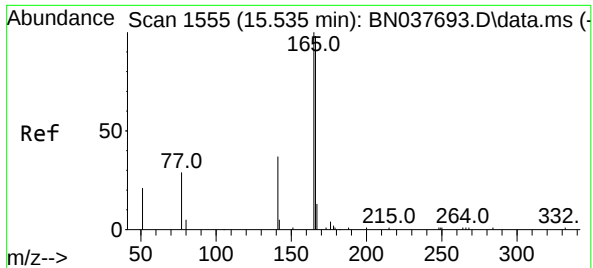
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 30.9  | 16.2  | 24.2# |
| 153     | 47.9  | 10.4  | 15.6# |



#17  
Acenaphthene  
Concen: 2.252 ng  
RT: 14.548 min Scan# 1463  
Delta R.T. -0.011 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 114.4 | 89.8  | 134.8 |
| 152     | 63.6  | 50.2  | 75.2  |

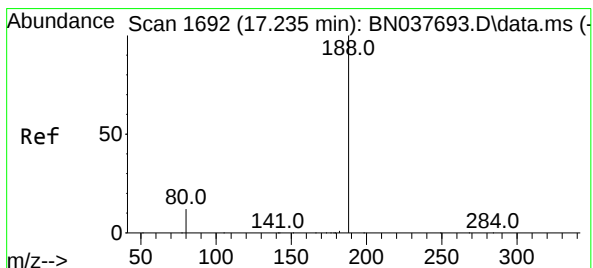
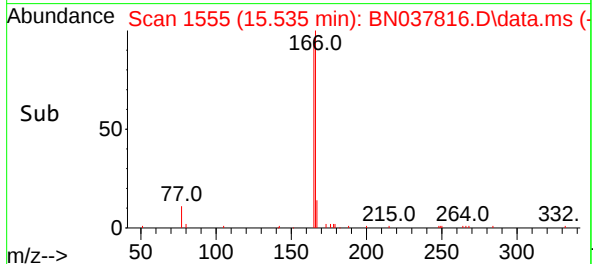
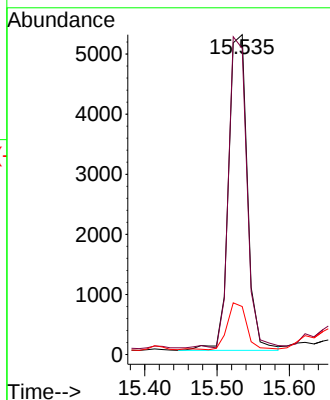
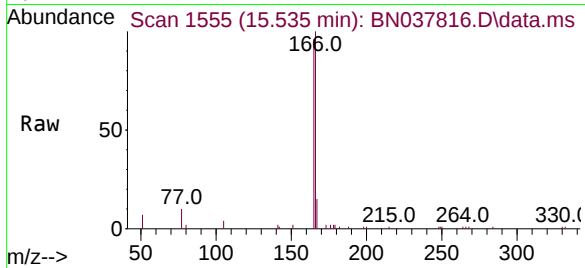




#18  
Fluorene  
Concen: 0.385 ng  
RT: 15.535 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

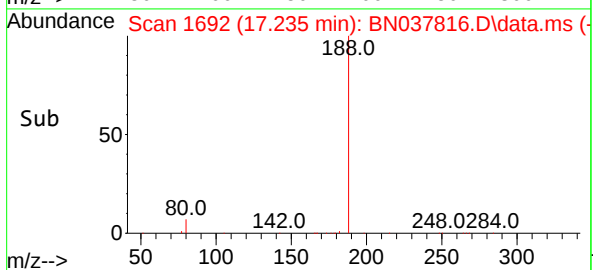
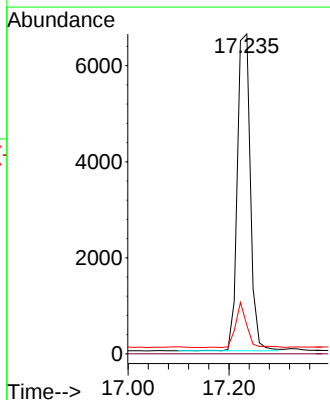
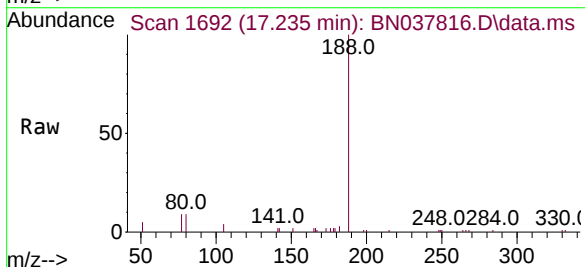
Instrument :  
BNA\_N  
ClientSampleId :  
MW3SDL

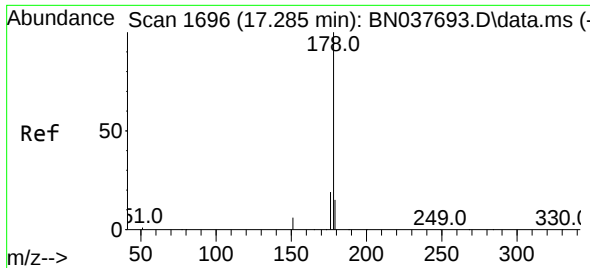
| Tgt Ion   | 166   | Resp  | 8908  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 166       | 100   |       |       |
| 165       | 96.0  | 79.6  | 119.4 |
| 167       | 15.8  | 10.6  | 16.0  |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.235 min Scan# 1692  
Delta R.T. -0.000 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

| Tgt Ion   | 188   | Resp  | 11729 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 188       | 100   |       |       |
| 94        | 0.0   | 0.0   | 0.0   |
| 80        | 8.9   | 10.6  | 15.8  |

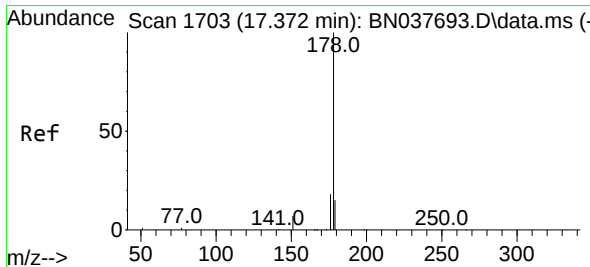
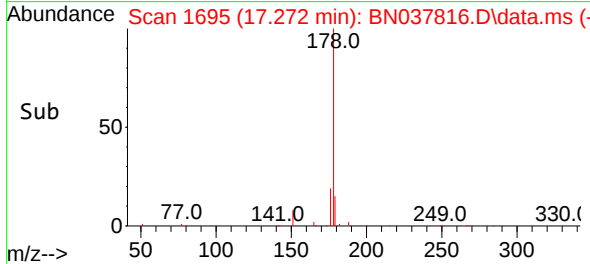
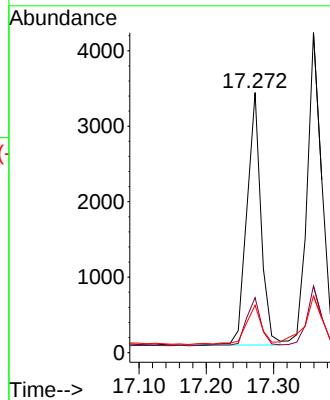
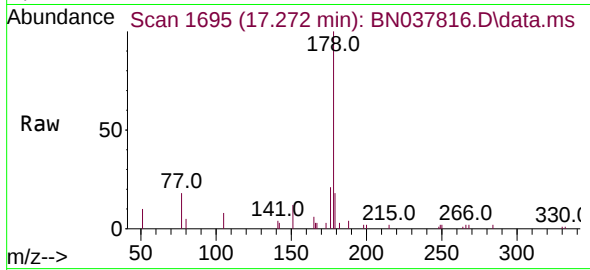




#25  
Phenanthrene  
Concen: 0.131 ng  
RT: 17.272 min Scan# 1695  
Delta R.T. -0.013 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

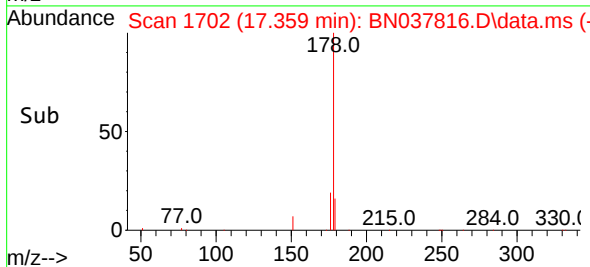
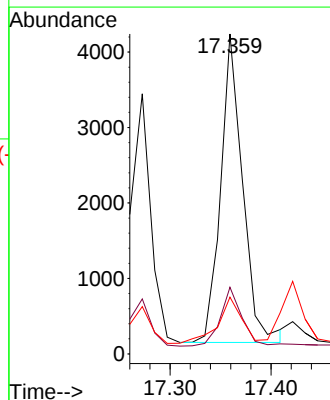
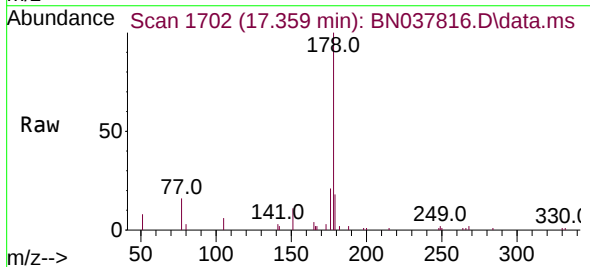
Instrument :  
BNA\_N  
ClientSampleId :  
MW3SDL

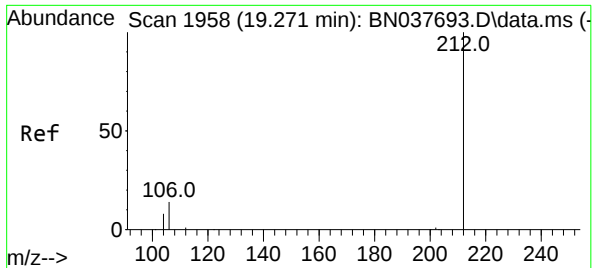
| Tgt Ion | 178  | 176  | 179  |
|---------|------|------|------|
| Resp:   | 4851 |      |      |
| Ratio   | 100  | 19.9 | 18.0 |
| Lower   |      | 15.3 | 12.2 |
| Upper   |      | 22.9 | 18.2 |



#26  
Anthracene  
Concen: 0.189 ng  
RT: 17.359 min Scan# 1702  
Delta R.T. -0.013 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

| Tgt Ion | 178  | 176  | 179  |
|---------|------|------|------|
| Resp:   | 6194 |      |      |
| Ratio   | 100  | 19.4 | 16.0 |
| Lower   |      | 14.6 | 12.2 |
| Upper   |      | 22.0 | 18.4 |





#27

Fluoranthene-d10

Concen: 0.166 ng

RT: 19.262 min Scan# 1956

Delta R.T. -0.010 min

Lab File: BN037816.D

Acq: 19 Sep 2025 16:08

Instrument :

BNA\_N

ClientSampleId :

MW3SDL

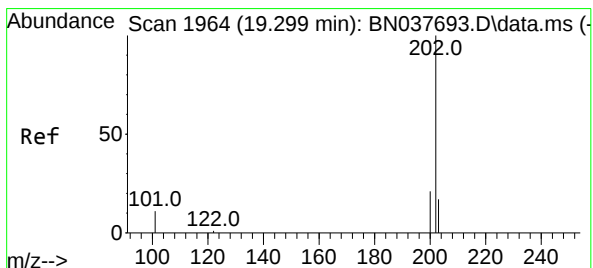
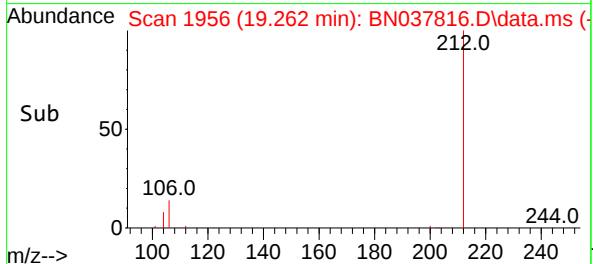
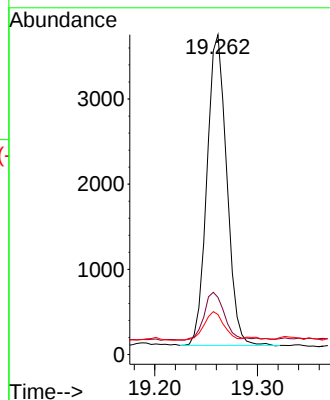
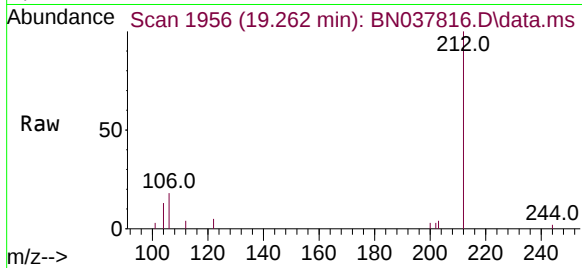
Tgt Ion:212 Resp: 4881

Ion Ratio Lower Upper

212 100

106 16.3 12.2 18.2

104 9.4 6.9 10.3



#28

Fluoranthene

Concen: 0.290 ng

RT: 19.289 min Scan# 1962

Delta R.T. -0.010 min

Lab File: BN037816.D

Acq: 19 Sep 2025 16:08

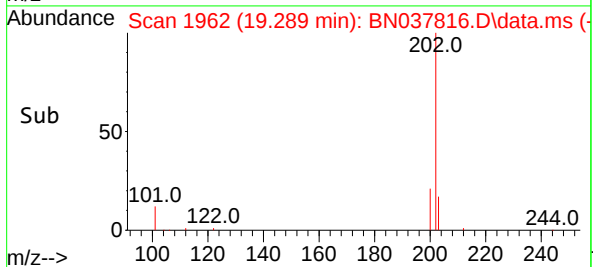
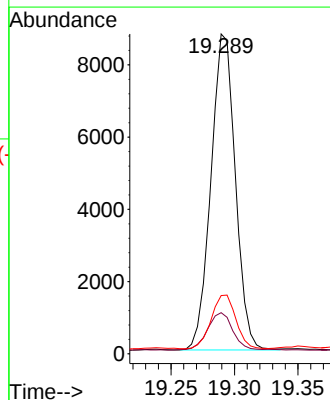
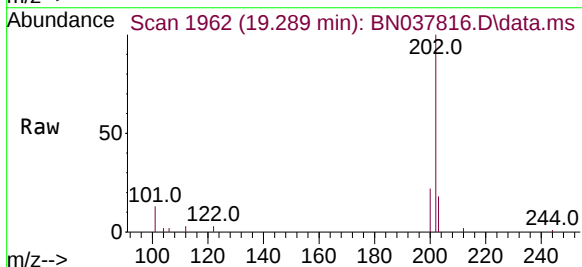
Tgt Ion:202 Resp: 11726

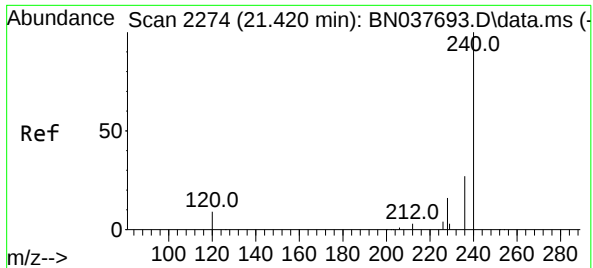
Ion Ratio Lower Upper

202 100

101 12.4 9.3 13.9

203 17.1 13.7 20.5

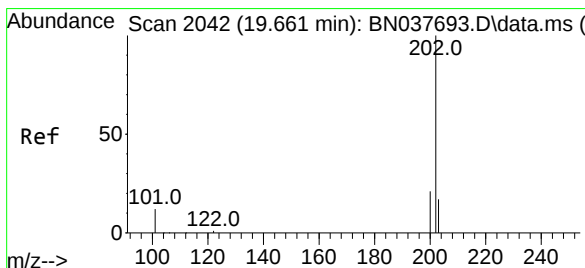
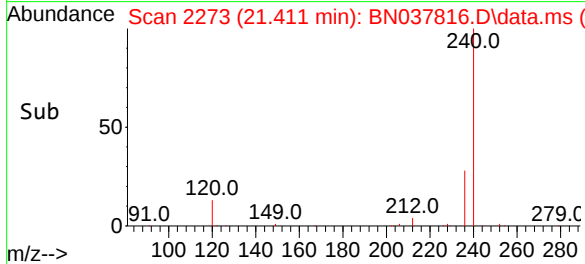
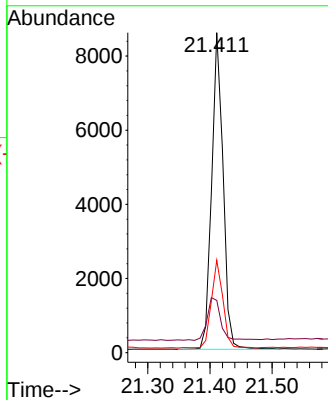
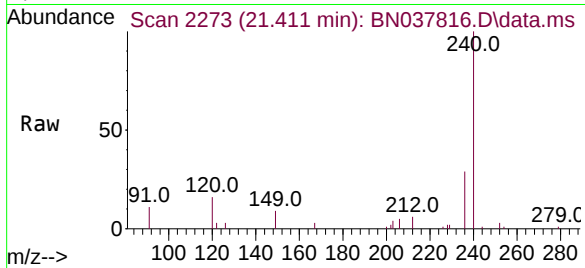




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.411 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

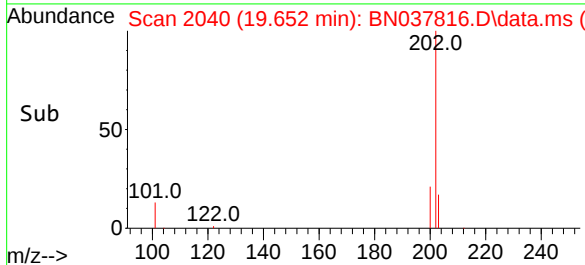
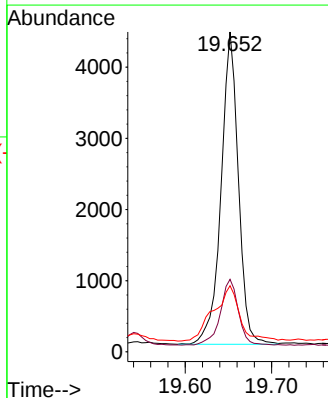
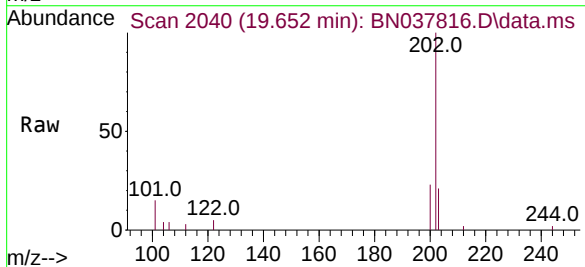
Instrument :  
BNA\_N  
ClientSampleId :  
MW3SDL

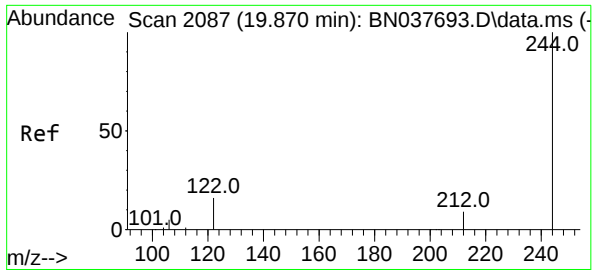
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 16.3  | 9.2   | 13.8# |
| 236     | 28.9  | 22.6  | 33.8  |



#30  
Pyrene  
Concen: 0.142 ng  
RT: 19.652 min Scan# 2040  
Delta R.T. -0.010 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.0  | 16.8  | 25.2  |
| 203     | 27.1  | 14.3  | 21.5# |

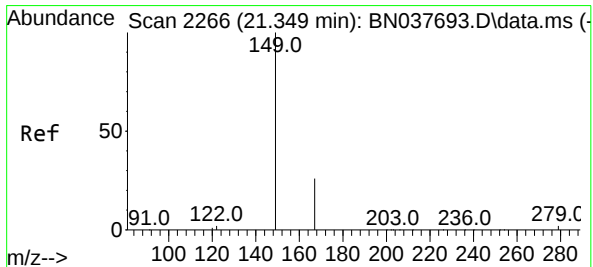
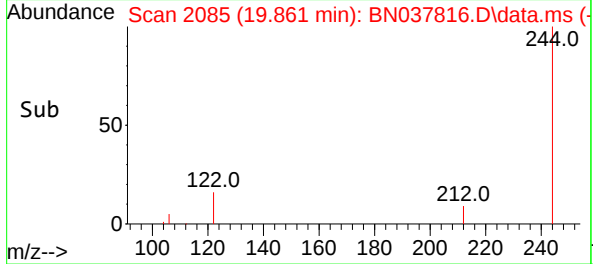
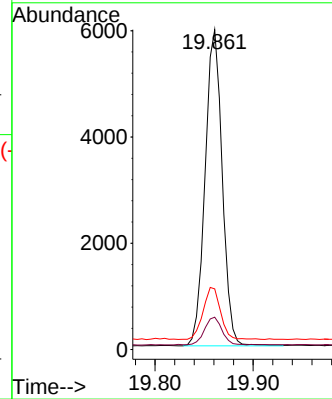
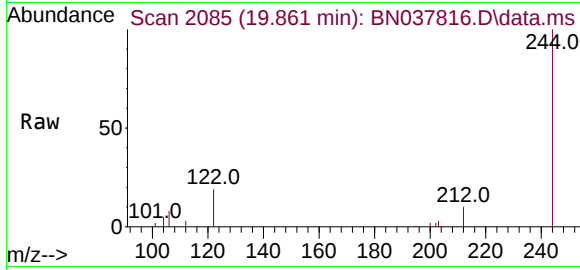




#31  
Terphenyl-d14  
Concen: 0.325 ng  
RT: 19.861 min Scan# 2085  
Delta R.T. -0.010 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

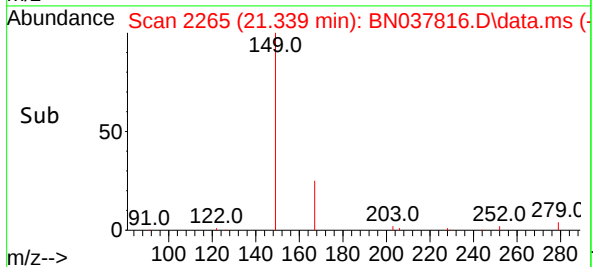
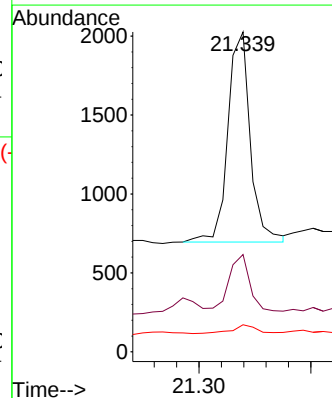
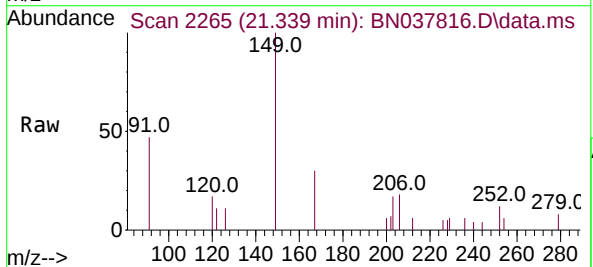
Instrument :  
BNA\_N  
ClientSampleId :  
MW3SDL

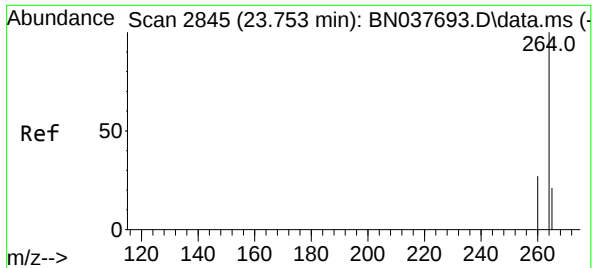
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 10.1  | 7.5   | 11.3  |
| 122     | 19.0  | 13.2  | 19.8  |



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.164 ng  
RT: 21.339 min Scan# 2265  
Delta R.T. -0.009 min  
Lab File: BN037816.D  
Acq: 19 Sep 2025 16:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 24.7  | 20.8  | 31.2  |
| 279     | 4.4   | 3.3   | 4.9   |





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.744 min Scan# 2845

Delta R.T. -0.009 min

Lab File: BN037816.D

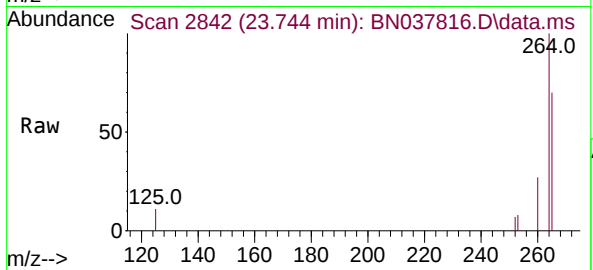
Acq: 19 Sep 2025 16:08

Instrument :

BNA\_N

ClientSampleId :

MW3SDL



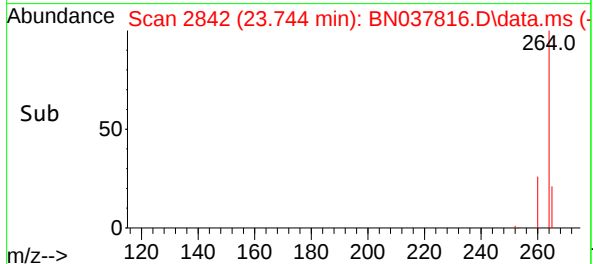
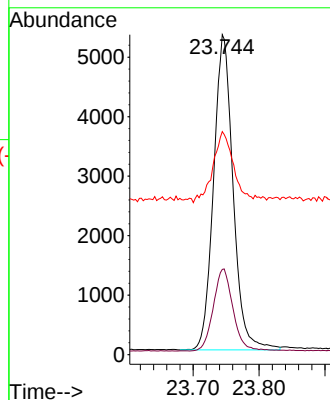
Tgt Ion:264 Resp: 10906

Ion Ratio Lower Upper

264 100

260 26.6 21.8 32.8

265 69.7 39.4 59.2#





# CALIBRATION SUMMARY



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

6C

## SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: AllianceContract: GENV01Lab Code: ACESDG No.: Q3083Instrument ID: BNA\_NCalibration Date(s): 09/11/2025 09/11/2025Calibration Time(s): 09:56 13:33

| LAB FILE ID:            |        | RRF0.1 = BN037691.D |        | RRF0.2 = BN037692.D |        | RRF0.4 = BN037693.D |       |       |
|-------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
|                         |        | RRF0.8 = BN037694.D |        | RRF1.6 = BN037695.D |        | RRF3.2 = BN037696.D |       |       |
| COMPOUND                | RRF0.1 | RRF0.2              | RRF0.4 | RRF0.8              | RRF1.6 | RRF3.2              | RRF   | % RSD |
| 2-Methylnaphthalene-d10 | 0.497  | 0.497               | 0.498  | 0.478               | 0.522  | 0.550               | 0.530 | 12.3  |
| Fluoranthene-d10        | 0.912  | 0.887               | 0.935  | 0.883               | 0.954  | 1.108               | 1.004 | 17.0  |
| 2-Fluorophenol          | 0.929  | 0.913               | 0.892  | 0.840               | 0.912  | 0.937               | 0.918 | 5.4   |
| Phenol-d6               | 1.191  | 1.193               | 1.156  | 1.088               | 1.193  | 1.225               | 1.191 | 5.1   |
| Nitrobenzene-d5         | 0.287  | 0.279               | 0.285  | 0.272               | 0.296  | 0.303               | 0.293 | 6.0   |
| Naphthalene             | 1.091  | 1.072               | 1.074  | 1.036               | 1.117  | 1.115               | 1.093 | 3.4   |
| 2-Fluorobiphenyl        | 1.663  | 1.666               | 1.649  | 1.586               | 1.689  | 1.674               | 1.673 | 3.5   |
| Acenaphthylene          | 1.754  | 1.756               | 1.783  | 1.727               | 1.885  | 1.916               | 1.834 | 5.9   |
| Acenaphthene            | 1.165  | 1.199               | 1.215  | 1.187               | 1.272  | 1.296               | 1.240 | 5.4   |
| Fluorene                | 1.404  | 1.402               | 1.441  | 1.419               | 1.545  | 1.633               | 1.502 | 7.6   |
| 2,4,6-Tribromophenol    | 0.088  | 0.098               | 0.101  | 0.096               | 0.113  | 0.131               | 0.104 | 14.7  |
| Phenanthrene            | 1.228  | 1.215               | 1.223  | 1.173               | 1.285  | 1.321               | 1.259 | 5.5   |
| Anthracene              | 1.038  | 1.029               | 1.070  | 1.030               | 1.140  | 1.221               | 1.116 | 9.1   |
| Fluoranthene            | 1.257  | 1.224               | 1.310  | 1.269               | 1.393  | 1.578               | 1.381 | 11.9  |
| Pyrene                  | 1.578  | 1.618               | 1.557  | 1.473               | 1.603  | 1.542               | 1.566 | 3.1   |
| Terphenyl-d14           | 0.806  | 0.833               | 0.801  | 0.754               | 0.812  | 0.784               | 0.812 | 5.3   |
| Benzo(a)anthracene      | 1.386  | 1.345               | 1.347  | 1.297               | 1.410  | 1.459               | 1.395 | 5.5   |
| Chrysene                | 1.523  | 1.491               | 1.496  | 1.402               | 1.510  | 1.506               | 1.496 | 3.0   |
| Benzo(b)fluoranthene    | 1.463  | 1.475               | 1.554  | 1.444               | 1.636  | 1.674               | 1.575 | 8.0   |
| Benzo(k)fluoranthene    | 1.516  | 1.543               | 1.524  | 1.501               | 1.705  | 1.696               | 1.606 | 6.7   |
| Benzo(a)pyrene          | 1.155  | 1.172               | 1.201  | 1.151               | 1.314  | 1.367               | 1.261 | 9.8   |
| Indeno(1,2,3-cd)pyrene  | 1.517  | 1.491               | 1.543  | 1.532               | 1.791  | 1.865               | 1.681 | 12.6  |
| Dibenzo(a,h)anthracene  | 1.157  | 1.175               | 1.210  | 1.232               | 1.463  | 1.519               | 1.342 | 14.4  |
| Benzo(g,h,i)perylene    | 1.413  | 1.402               | 1.451  | 1.375               | 1.568  | 1.607               | 1.506 | 8.6   |

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

Method Path : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\  
 Method File : 8270-SIM-BN091125.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Thu Sep 11 14:20:01 2025  
 Response Via : Initial Calibration

## Calibration Files

0.1 =BN037691.D 0.2 =BN037692.D 0.4 =BN037693.D 0.8 =BN037694.D 1.6 =BN037695.D 3.2 =BN037696.D 5 =BN037697.D

|          | Compound              | 0.1            | 0.2   | 0.4   | 0.8   | 1.6   | 3.2   | 5     | Avg   | %RSD  |
|----------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1) I     | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |
| 2)       | 1,4-Dioxane           | 0.429          | 0.422 | 0.411 | 0.432 | 0.418 | 0.388 | 0.417 | 3.80  |       |
| 3)       | n-Nitrosodimet...     | 0.530          | 0.564 | 0.515 | 0.556 | 0.550 | 0.551 | 0.544 | 3.34  |       |
| 4) S     | 2-Fluorophenol        | 0.929          | 0.913 | 0.892 | 0.840 | 0.912 | 0.937 | 1.004 | 0.918 | 5.37  |
| 5) S     | Phenol-d6             | 1.191          | 1.193 | 1.156 | 1.088 | 1.193 | 1.225 | 1.289 | 1.191 | 5.15  |
| 6)       | bis(2-Chloroet...     | 1.076          | 1.075 | 1.070 | 1.019 | 1.078 | 1.066 | 1.063 | 1.064 | 1.94  |
| 7) I     | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |
| 8) S     | Nitrobenzene-d5       | 0.287          | 0.279 | 0.285 | 0.272 | 0.296 | 0.303 | 0.325 | 0.293 | 6.05  |
| 9)       | Naphthalene           | 1.091          | 1.072 | 1.074 | 1.036 | 1.117 | 1.115 | 1.149 | 1.093 | 3.38  |
| 10)      | Hexachlorobuta...     | 0.199          | 0.196 | 0.197 | 0.189 | 0.203 | 0.199 | 0.202 | 0.198 | 2.29  |
| 11) SURR | 2-Methylnaphth...     | 0.497          | 0.497 | 0.498 | 0.478 | 0.522 | 0.550 | 0.668 | 0.530 | 12.31 |
| 12)      | 2-Methylnaphth...     | 0.643          | 0.651 | 0.659 | 0.633 | 0.697 | 0.712 | 0.740 | 0.676 | 5.91  |
| 13) I    | Acenaphthene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 14) S    | 2,4,6-Tribromo...     | 0.088          | 0.098 | 0.101 | 0.096 | 0.113 | 0.131 | 0.104 | 14.74 |       |
| 15) S    | 2-Fluorobiphenyl      | 1.663          | 1.666 | 1.649 | 1.586 | 1.689 | 1.674 | 1.785 | 1.673 | 3.54  |
| 16)      | Acenaphthylene        | 1.754          | 1.756 | 1.783 | 1.727 | 1.885 | 1.916 | 2.020 | 1.834 | 5.90  |
| 17)      | Acenaphthene          | 1.165          | 1.199 | 1.215 | 1.187 | 1.272 | 1.296 | 1.348 | 1.240 | 5.37  |
| 18)      | Fluorene              | 1.404          | 1.402 | 1.441 | 1.419 | 1.545 | 1.633 | 1.671 | 1.502 | 7.59  |
| 19) I    | Phenanthrene-d10      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 20)      | 4,6-Dinitro-2-...     | 0.032          | 0.033 | 0.033 | 0.040 | 0.046 | 0.037 | 16.34 |       |       |
| 21)      | 4-Bromophenyl-...     | 0.250          | 0.252 | 0.251 | 0.248 | 0.272 | 0.269 | 0.284 | 0.261 | 5.43  |
| 22)      | Hexachlorobenzene     | 0.301          | 0.308 | 0.294 | 0.280 | 0.305 | 0.302 | 0.310 | 0.300 | 3.39  |
| 23)      | Atrazine              | 0.145          | 0.151 | 0.152 | 0.146 | 0.169 | 0.190 | 0.209 | 0.166 | 15.00 |
| 24)      | Pentachlorophenol     | 0.074          | 0.074 | 0.073 | 0.086 | 0.100 | 0.115 | 0.087 | 19.46 |       |
| 25)      | Phenanthrene          | 1.228          | 1.215 | 1.223 | 1.173 | 1.285 | 1.321 | 1.371 | 1.259 | 5.47  |
| 26)      | Anthracene            | 1.038          | 1.029 | 1.070 | 1.030 | 1.140 | 1.221 | 1.281 | 1.116 | 9.09  |
| 27) SURR | Fluoranthene-d10      | 0.912          | 0.887 | 0.935 | 0.883 | 0.954 | 1.108 | 1.350 | 1.004 | 16.98 |
| 28)      | Fluoranthene          | 1.257          | 1.224 | 1.310 | 1.269 | 1.393 | 1.578 | 1.637 | 1.381 | 11.91 |
| 29) I    | Chrysene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |
| 30)      | Pyrene                | 1.578          | 1.618 | 1.557 | 1.473 | 1.603 | 1.542 | 1.590 | 1.566 | 3.09  |
| 31) S    | Terphenyl-d14         | 0.806          | 0.833 | 0.801 | 0.754 | 0.812 | 0.784 | 0.892 | 0.812 | 5.30  |
| 32)      | Benzo(a)anthra...     | 1.386          | 1.345 | 1.347 | 1.297 | 1.410 | 1.459 | 1.522 | 1.395 | 5.46  |
| 33)      | Chrysene              | 1.523          | 1.491 | 1.496 | 1.402 | 1.510 | 1.506 | 1.543 | 1.496 | 3.01  |
| 34)      | Bis(2-ethylhex...     | 0.440          | 0.376 | 0.345 | 0.380 | 0.438 | 0.504 | 0.414 | 13.96 |       |
| 35) I    | Perylene-d12          | -----ISTD----- |       |       |       |       |       |       |       |       |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\

Method File : 8270-SIM-BN091125.M

|       |                   |       |       |       |       |       |       |       |       |       |
|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 36)   | Indeno(1,2,3-c... | 1.517 | 1.491 | 1.543 | 1.532 | 1.791 | 1.865 | 2.025 | 1.681 | 12.58 |
| 37)   | Benzo(b)fluora... | 1.463 | 1.475 | 1.554 | 1.444 | 1.636 | 1.674 | 1.778 | 1.575 | 7.99  |
| 38)   | Benzo(k)fluora... | 1.516 | 1.543 | 1.524 | 1.501 | 1.705 | 1.696 | 1.756 | 1.606 | 6.73  |
| 39) C | Benzo(a)pyrene    | 1.155 | 1.172 | 1.201 | 1.151 | 1.314 | 1.367 | 1.467 | 1.261 | 9.78  |
| 40)   | Dibenzo(a,h)an... | 1.157 | 1.175 | 1.210 | 1.232 | 1.463 | 1.519 | 1.636 | 1.342 | 14.39 |
| 41)   | Benzo(g,h,i)pe... | 1.413 | 1.402 | 1.451 | 1.375 | 1.568 | 1.607 | 1.723 | 1.506 | 8.59  |

-----  
(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
 Data File : BN037691.D  
 Acq On : 11 Sep 2025 09:56  
 Operator : RC/JU  
 Sample : SSTDICC0.1  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC0.1

Quant Time: Sep 11 14:05:05 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:02:44 2025  
 Response via : Initial Calibration

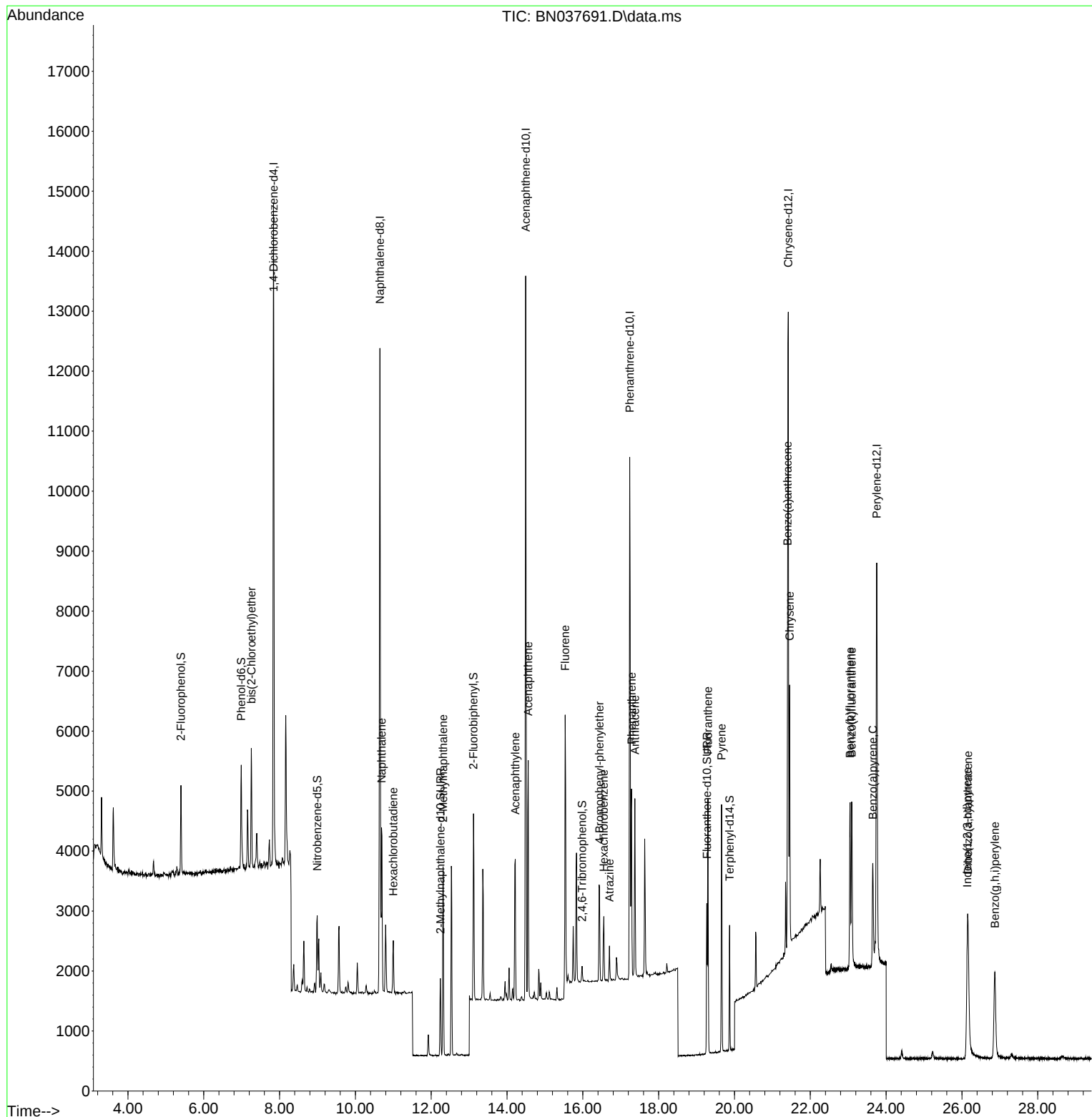
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.840  | 152  | 5271     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.647 | 136  | 14013    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.494 | 164  | 6484     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.235 | 188  | 11736    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.420 | 240  | 9323     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.753 | 264  | 9603     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.399  | 112  | 1224     | 0.101 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.987  | 99   | 1570     | 0.100 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.992  | 82   | 1006     | 0.098 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.242 | 152  | 1740     | 0.094 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.982 | 330  | 142      | 0.084 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.115 | 172  | 2696     | 0.099 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.271 | 212  | 2677     | 0.091 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.870 | 244  | 1879     | 0.099 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 6) bis(2-Chloroethyl)ether    | 7.255  | 93   | 1418     | 0.101 | ng    | 98       |
| 9) Naphthalene                | 10.690 | 128  | 3822     | 0.100 | ng    | 95       |
| 10) Hexachlorobutadiene       | 11.000 | 225  | 697      | 0.101 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.313 | 142  | 2253     | 0.095 | ng    | 97       |
| 16) Acenaphthylene            | 14.216 | 152  | 2843     | 0.096 | ng    | 99       |
| 17) Acenaphthene              | 14.558 | 154  | 1889     | 0.094 | ng    | 94       |
| 18) Fluorene                  | 15.535 | 166  | 2276     | 0.093 | ng    | 99       |
| 21) 4-Bromophenyl-phenylether | 16.441 | 248  | 733      | 0.096 | ng    | # 95     |
| 22) Hexachlorobenzene         | 16.552 | 284  | 883      | 0.100 | ng    | 99       |
| 23) Atrazine                  | 16.701 | 200  | 426      | 0.088 | ng    | # 89     |
| 25) Phenanthrene              | 17.285 | 178  | 3604     | 0.098 | ng    | 98       |
| 26) Anthracene                | 17.372 | 178  | 3046     | 0.093 | ng    | 99       |
| 28) Fluoranthene              | 19.299 | 202  | 3689     | 0.091 | ng    | 99       |
| 30) Pyrene                    | 19.661 | 202  | 3679     | 0.101 | ng    | 99       |
| 32) Benzo(a)anthracene        | 21.402 | 228  | 3231     | 0.099 | ng    | 99       |
| 33) Chrysene                  | 21.456 | 228  | 3549     | 0.102 | ng    | 97       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.142 | 276  | 3642     | 0.090 | ng    | 97       |
| 37) Benzo(b)fluoranthene      | 23.048 | 252  | 3513     | 0.093 | ng    | # 82     |
| 38) Benzo(k)fluoranthene      | 23.092 | 252  | 3640     | 0.094 | ng    | # 73     |
| 39) Benzo(a)pyrene            | 23.651 | 252  | 2774     | 0.092 | ng    | # 76     |
| 40) Dibenzo(a,h)anthracene    | 26.159 | 278  | 2778     | 0.086 | ng    | # 79     |
| 41) Benzo(g,h,i)perylene      | 26.870 | 276  | 3393     | 0.094 | ng    | # 91     |
| -----                         |        |      |          |       |       |          |

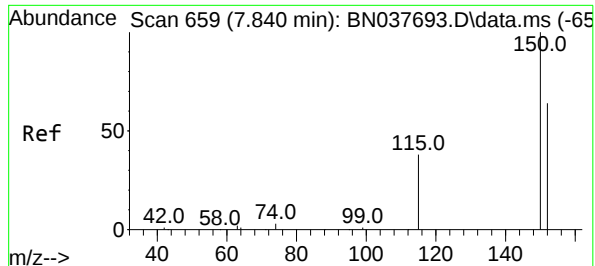
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Acq On : 11 Sep 2025 09:56  
Operator : RC/JU  
Sample : SSTDICC0.1  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.1

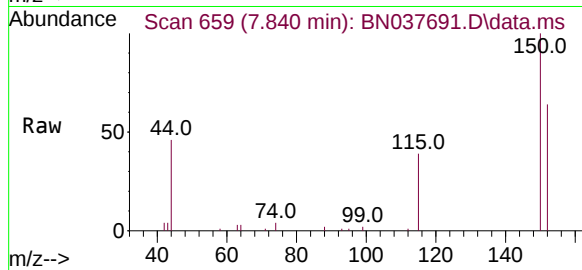
Quant Time: Sep 11 14:05:05 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 11 14:02:44 2025  
Response via : Initial Calibration



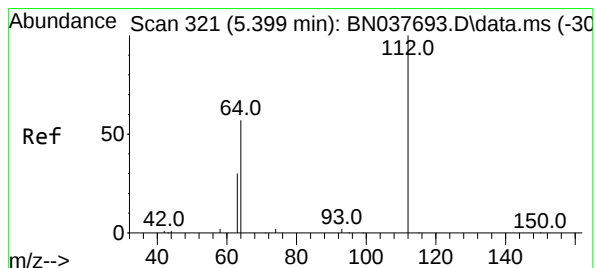
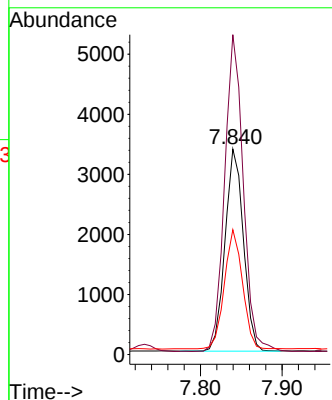
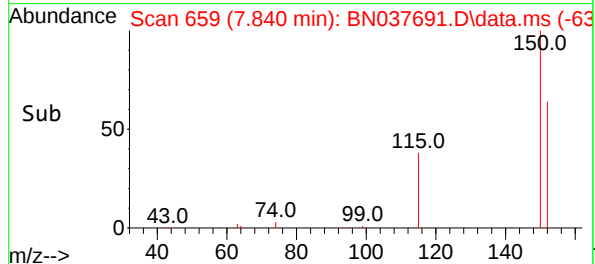


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.840 min Scan# 659  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.1

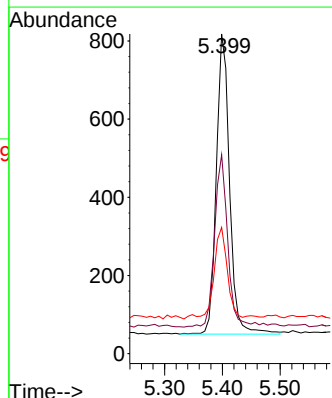
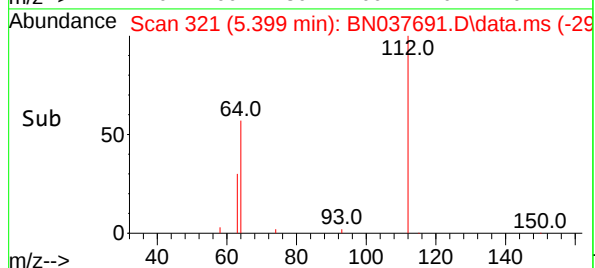
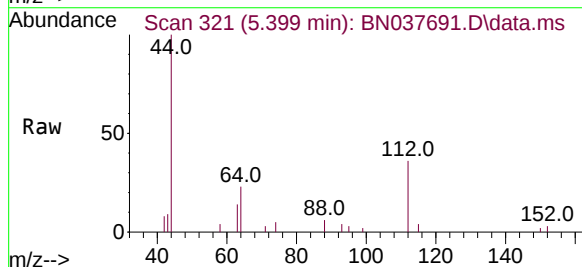


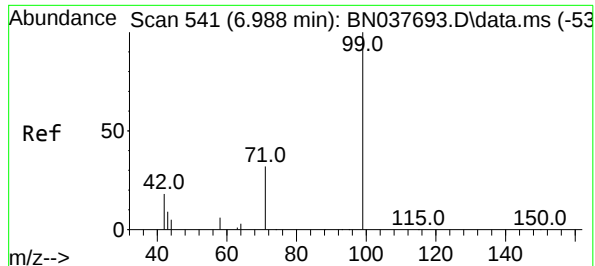
Tgt Ion:152 Resp: 5271  
Ion Ratio Lower Upper  
152 100  
150 155.8 124.5 186.7  
115 60.8 49.2 73.8



#4  
2-Fluorophenol  
Concen: 0.101 ng  
RT: 5.399 min Scan# 321  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

Tgt Ion:112 Resp: 1224  
Ion Ratio Lower Upper  
112 100  
64 58.5 44.9 67.3  
63 28.8 24.7 37.1

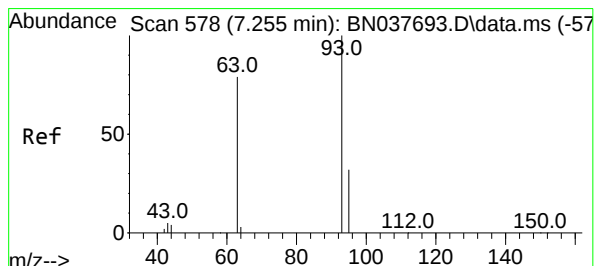
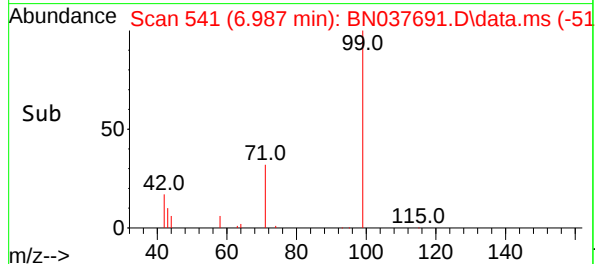
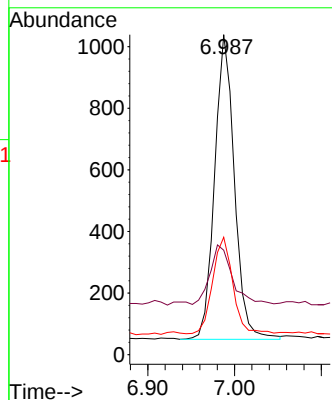
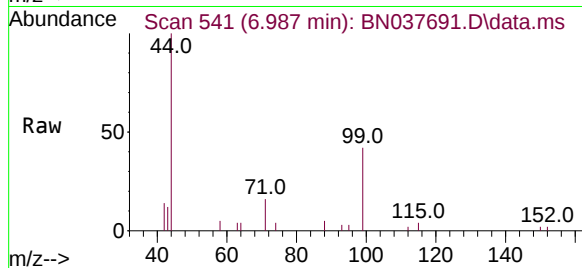




#5  
Phenol-d6  
Concen: 0.100 ng  
RT: 6.987 min Scan# 541  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

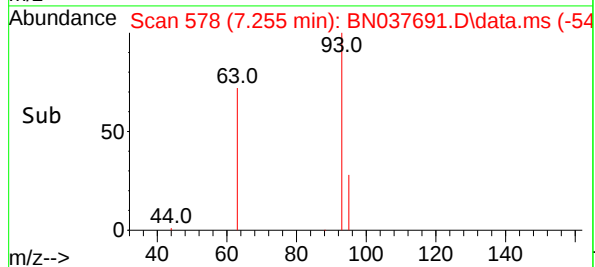
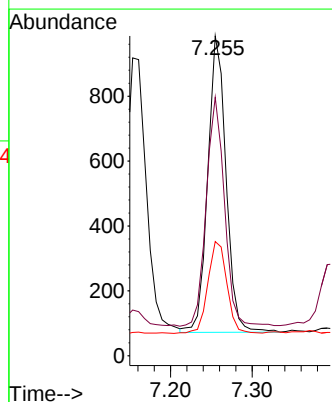
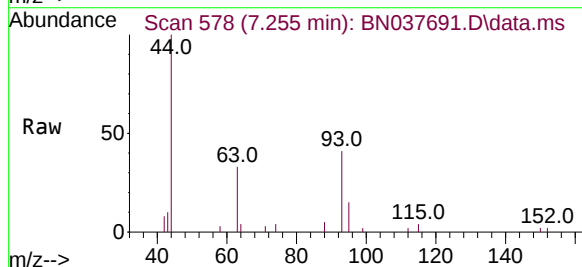
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.1

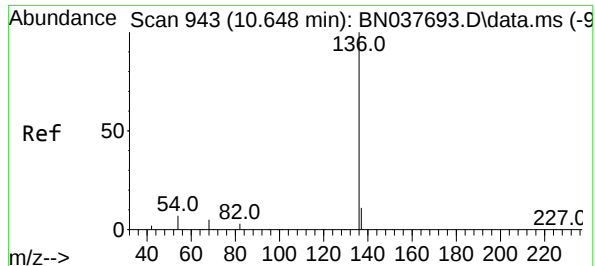
Tgt Ion: 99 Resp: 1570  
Ion Ratio Lower Upper  
99 100  
42 21.8 16.6 24.8  
71 32.4 26.7 40.1



#6  
bis(2-Chloroethyl)ether  
Concen: 0.101 ng  
RT: 7.255 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

Tgt Ion: 93 Resp: 1418  
Ion Ratio Lower Upper  
93 100  
63 77.9 60.6 90.8  
95 32.2 26.0 39.0

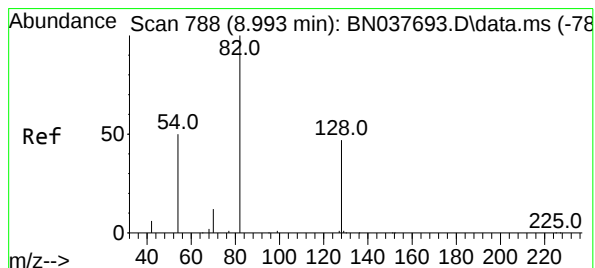
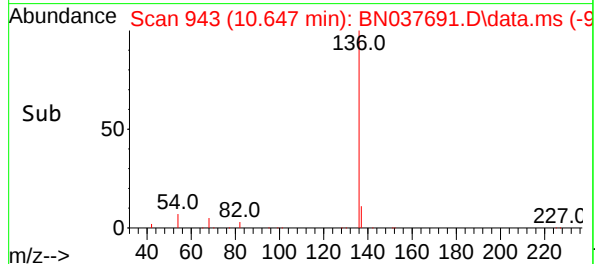
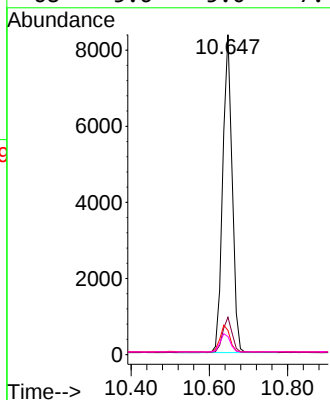
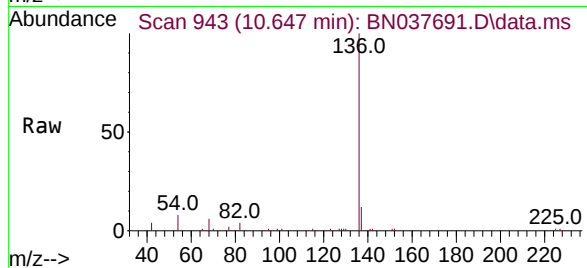




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.647 min Scan# 94  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

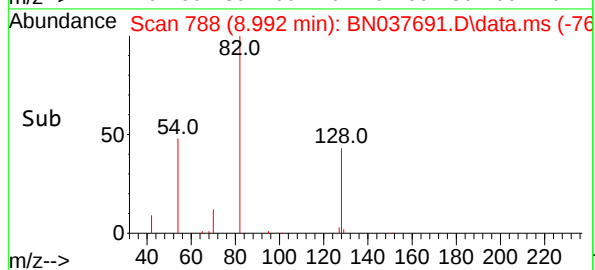
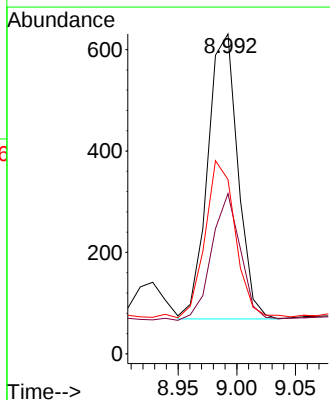
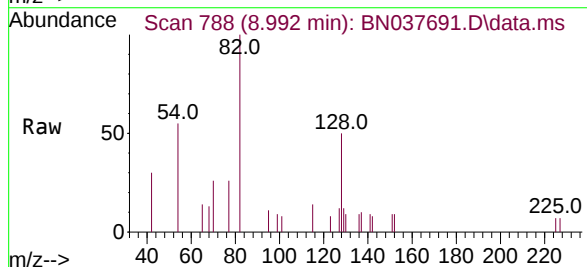
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ClientSampleId :  
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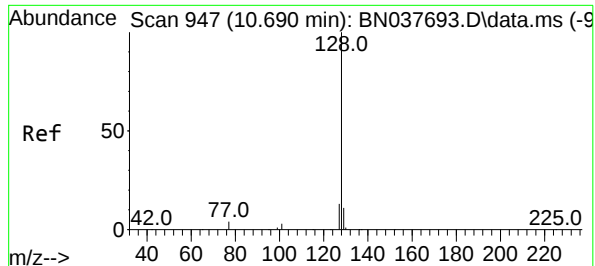
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 14013 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.7  | 9.1   | 13.7  |
| 54       | 7.6   | 6.3   | 9.5   |
| 68       | 5.6   | 5.0   | 7.4   |



#8  
Nitrobenzene-d5  
Concen: 0.098 ng  
RT: 8.992 min Scan# 788  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 1006  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 50.1  | 38.3  | 57.5  |
| 54       | 54.5  | 41.4  | 62.2  |

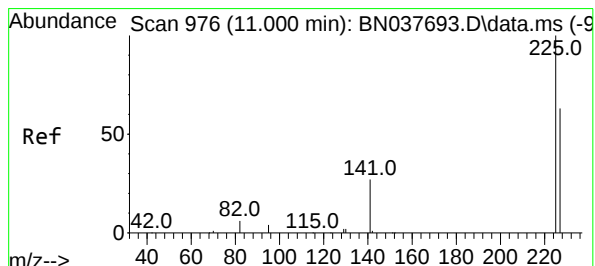
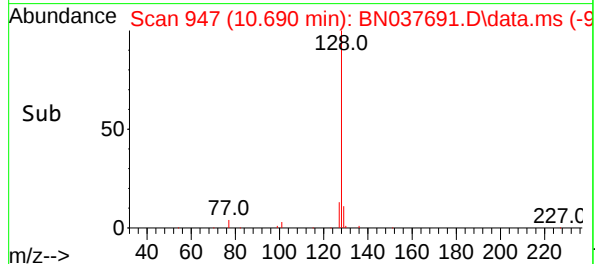
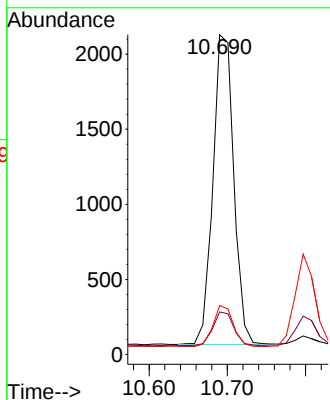
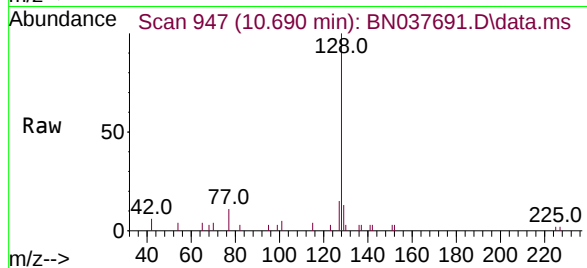




#9  
Naphthalene  
Concen: 0.100 ng  
RT: 10.690 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

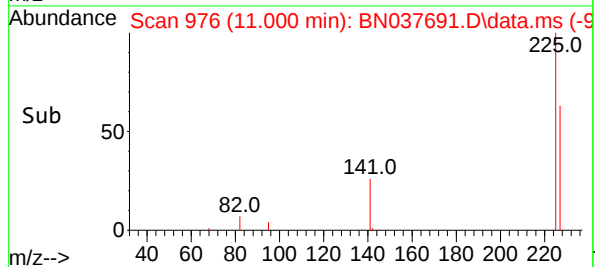
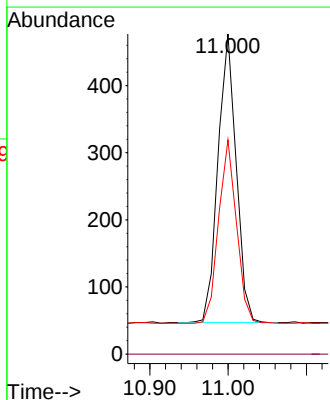
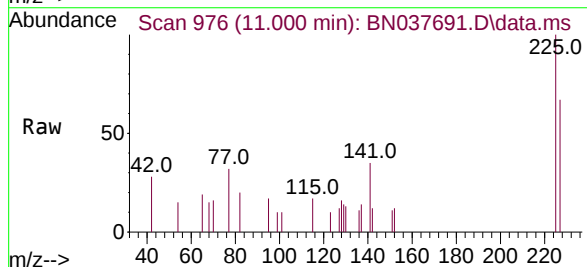
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ClientSampleId :  
SSTDICC0.1

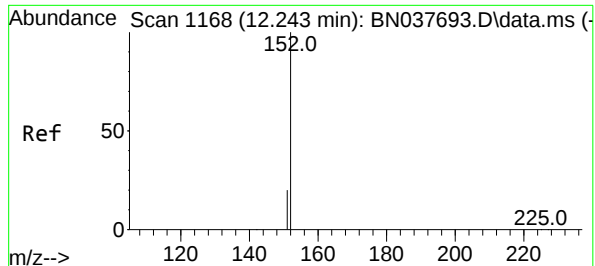
Tgt Ion:128 Resp: 3822  
Ion Ratio Lower Upper  
128 100  
129 13.3 9.1 13.7  
127 15.3 10.9 16.3



#10  
Hexachlorobutadiene  
Concen: 0.101 ng  
RT: 11.000 min Scan# 976  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

Tgt Ion:225 Resp: 697  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 62.6 50.9 76.3

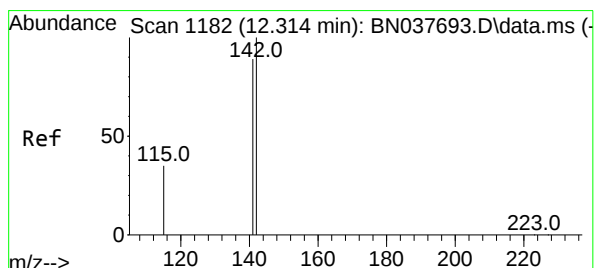
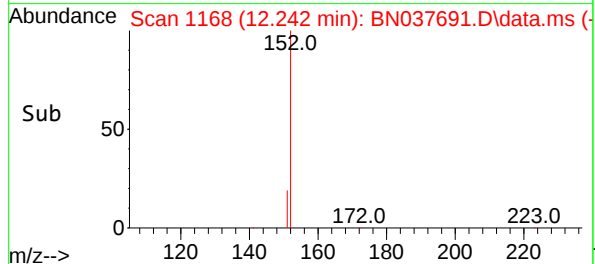
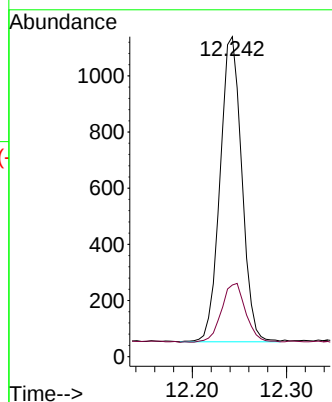
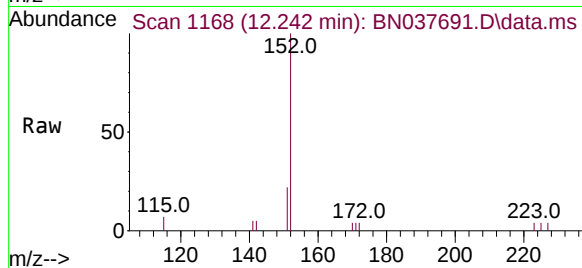




#11  
2-Methylnaphthalene-d10  
Concen: 0.094 ng  
RT: 12.242 min Scan# 1168  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

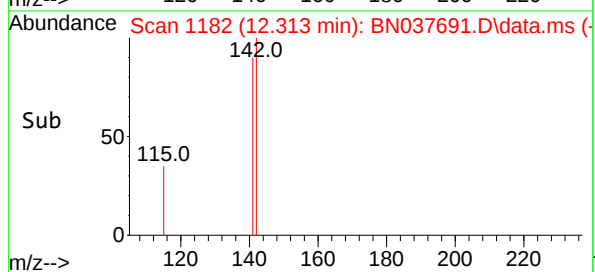
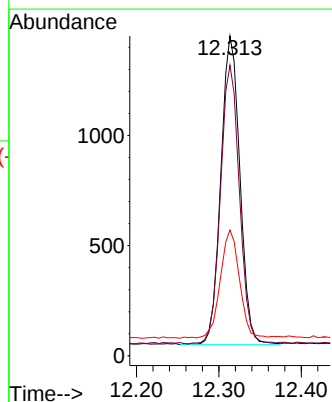
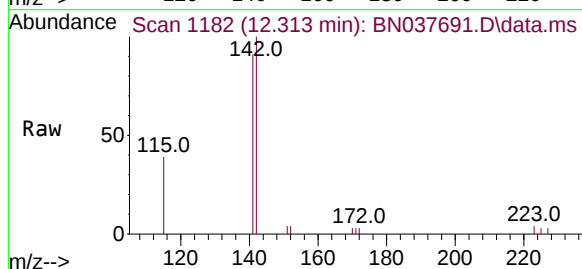
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ClientSampleId :  
SSTDICC0.1

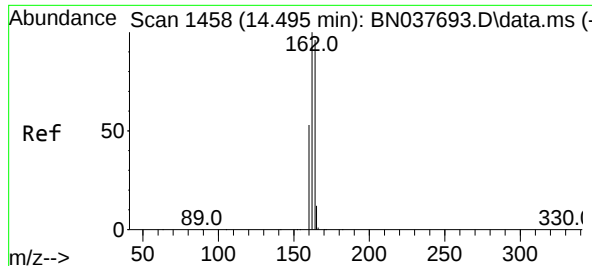
Tgt Ion:152 Resp: 1740  
Ion Ratio Lower Upper  
152 100  
151 21.2 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 0.095 ng  
RT: 12.313 min Scan# 1182  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

Tgt Ion:142 Resp: 2253  
Ion Ratio Lower Upper  
142 100  
141 90.8 71.6 107.4  
115 39.3 28.6 43.0

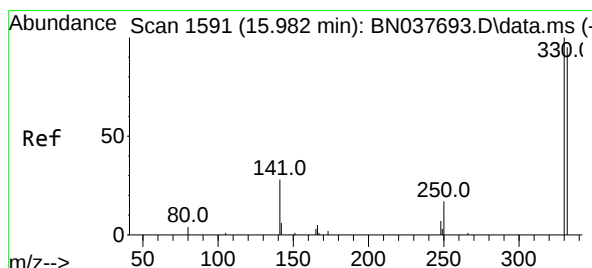
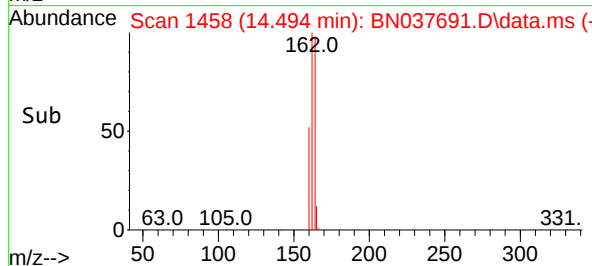
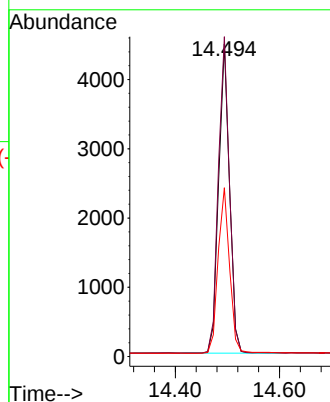
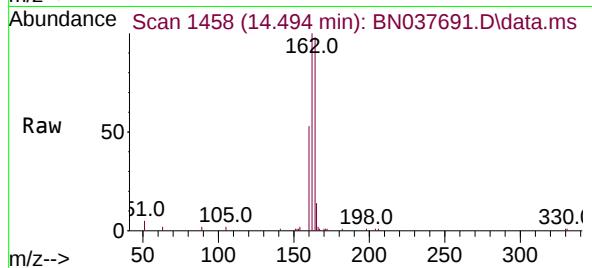




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.494 min Scan# 1458  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

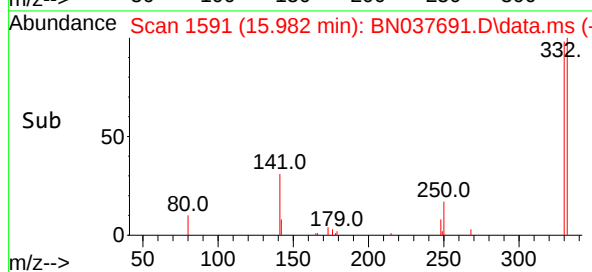
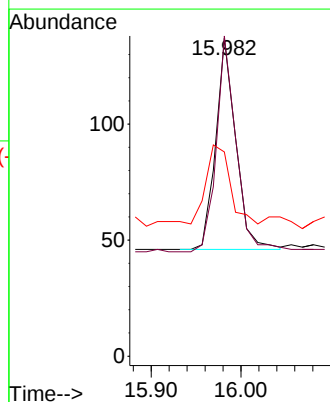
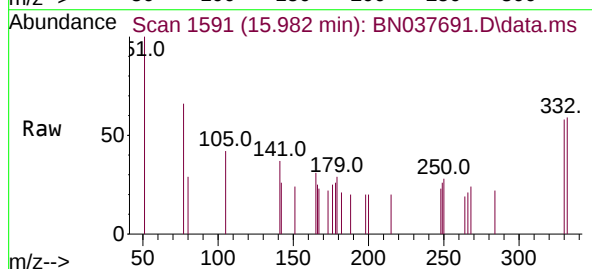
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BNA\_N  
ClientSampleId :  
SSTDICC0.1

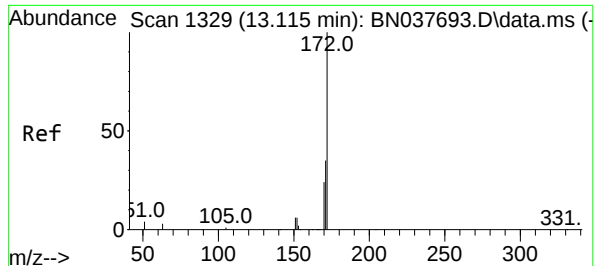
Tgt Ion:164 Resp: 6484  
Ion Ratio Lower Upper  
164 100  
162 102.4 83.1 124.7  
160 54.0 44.3 66.5



#14  
2,4,6-Tribromophenol  
Concen: 0.084 ng  
RT: 15.982 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

Tgt Ion:330 Resp: 142  
Ion Ratio Lower Upper  
330 100  
332 101.4 75.3 112.9  
141 44.4 35.0 52.4

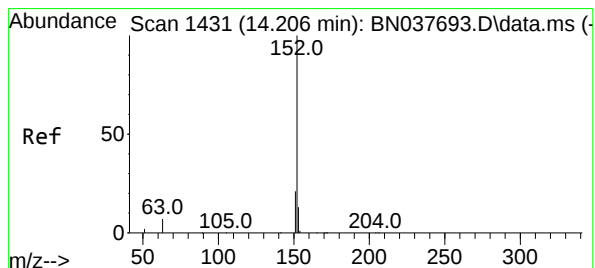
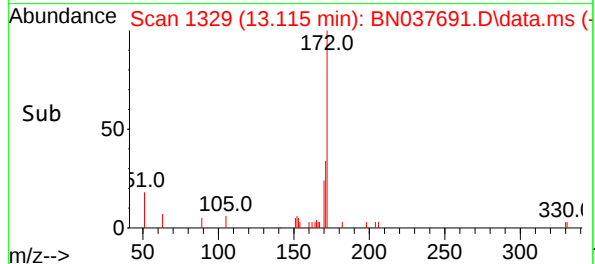
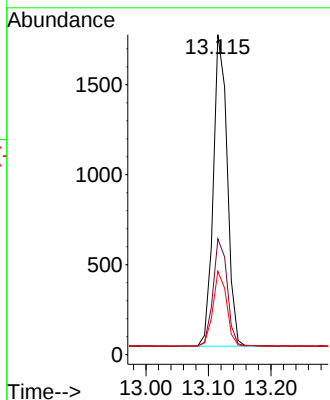
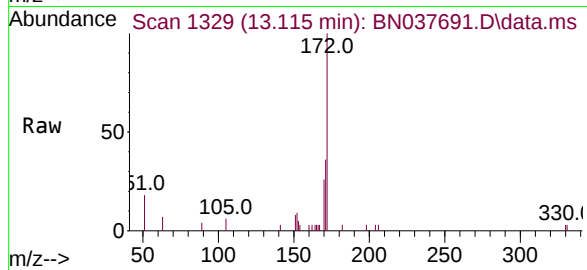




#15  
2-Fluorobiphenyl  
Concen: 0.099 ng  
RT: 13.115 min Scan# 1329  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

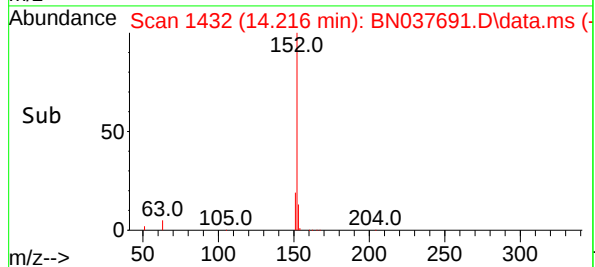
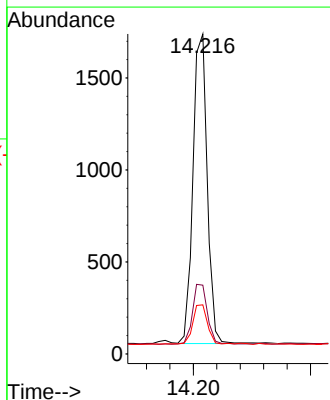
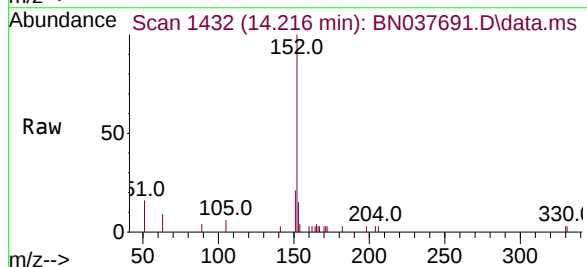
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.1

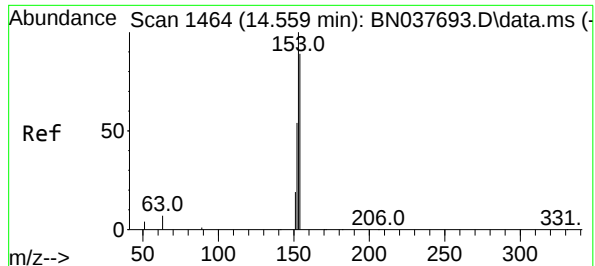
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.2  | 28.6  | 43.0  |
| 170     | 26.0  | 19.8  | 29.8  |



#16  
Acenaphthylene  
Concen: 0.096 ng  
RT: 14.216 min Scan# 1432  
Delta R.T. 0.010 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.5  | 16.2  | 24.2  |
| 153     | 13.5  | 10.4  | 15.6  |

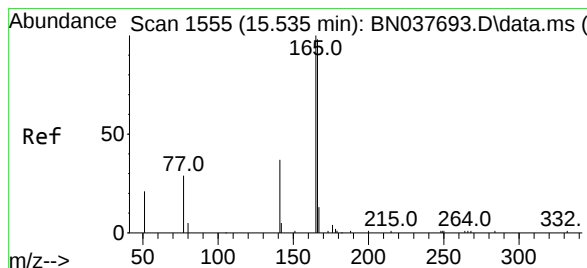
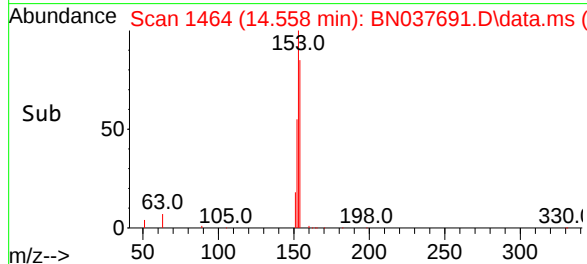
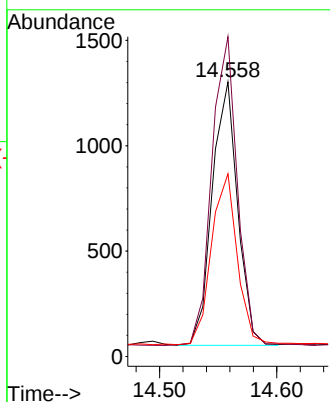
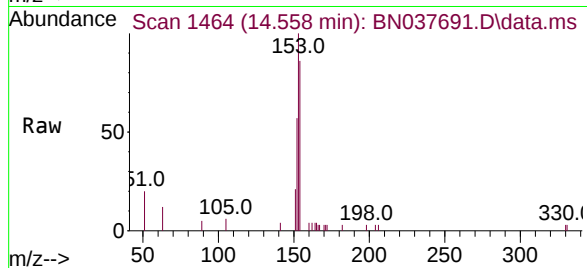




#17  
Acenaphthene  
Concen: 0.094 ng  
RT: 14.558 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

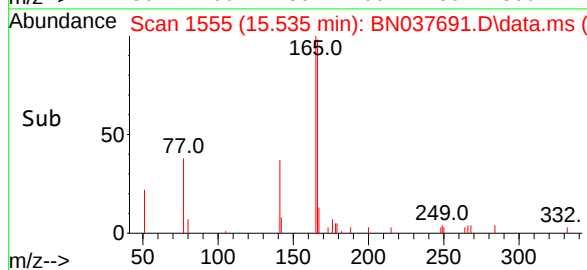
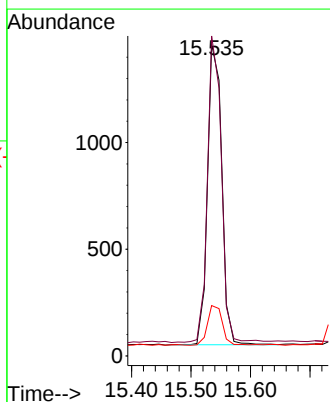
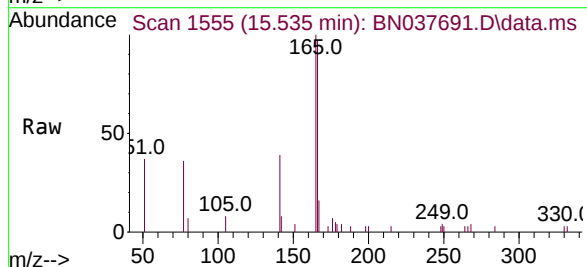
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.1

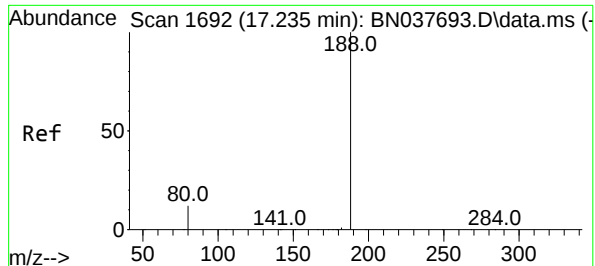
Tgt Ion:154 Resp: 1889  
Ion Ratio Lower Upper  
154 100  
153 118.1 89.8 134.8  
152 67.5 50.2 75.2



#18  
Fluorene  
Concen: 0.093 ng  
RT: 15.535 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

Tgt Ion:166 Resp: 2276  
Ion Ratio Lower Upper  
166 100  
165 100.0 79.6 119.4  
167 14.0 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.235 min Scan# 1692

Delta R.T. -0.000 min

Lab File: BN037691.D

Acq: 11 Sep 2025 09:56

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.1

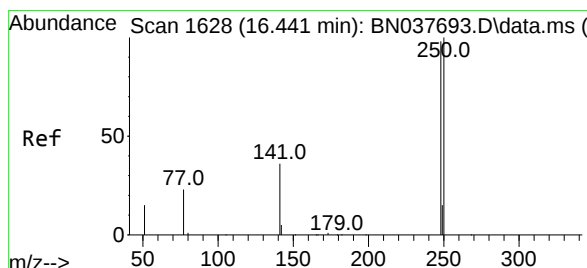
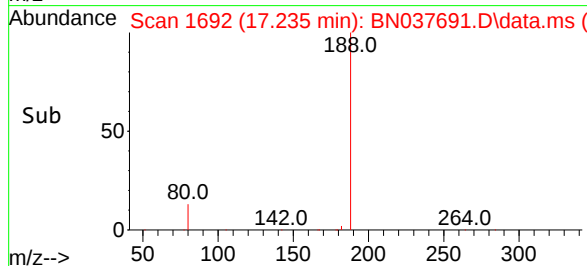
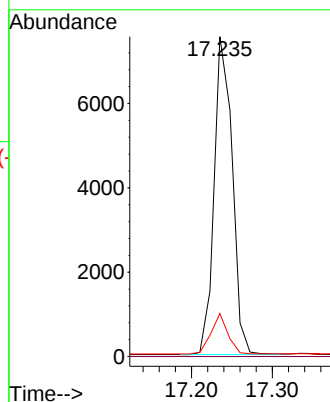
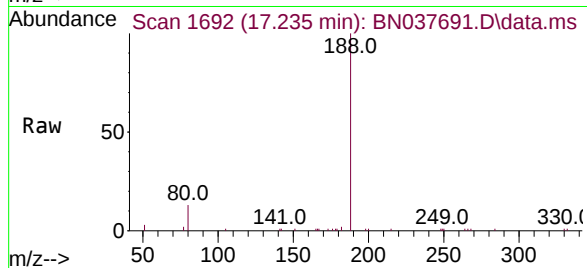
Tgt Ion:188 Resp: 11736

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.5 10.6 15.8



#21

4-Bromophenyl-phenylether

Concen: 0.096 ng

RT: 16.441 min Scan# 1628

Delta R.T. -0.000 min

Lab File: BN037691.D

Acq: 11 Sep 2025 09:56

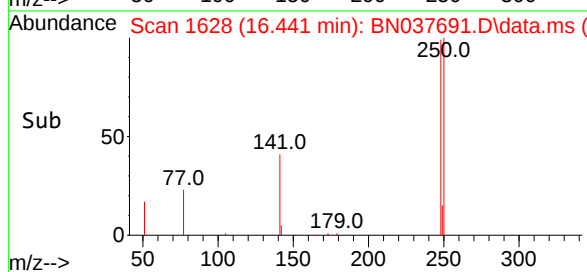
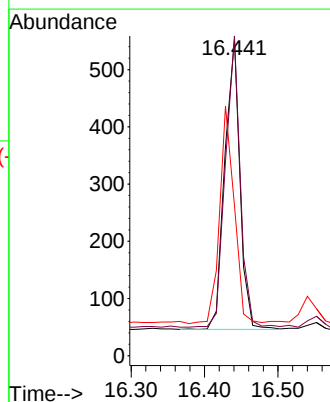
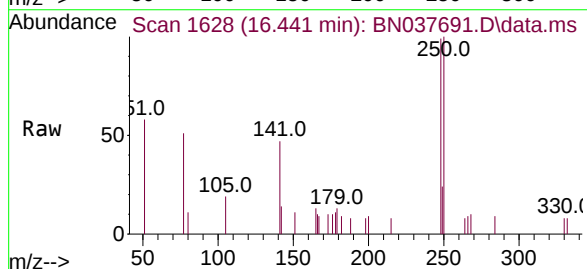
Tgt Ion:248 Resp: 733

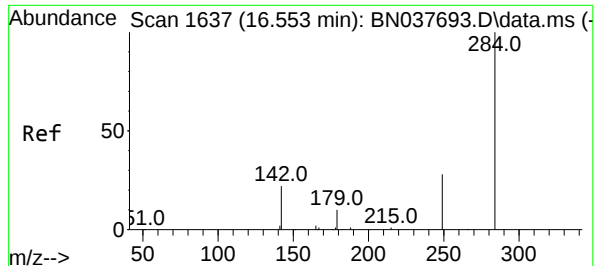
Ion Ratio Lower Upper

248 100

250 101.1 81.5 122.3

141 47.6 30.8 46.2#





#22

Hexachlorobenzene

Concen: 0.100 ng

RT: 16.552 min Scan# 1637

Delta R.T. -0.000 min

Lab File: BN037691.D

Acq: 11 Sep 2025 09:56

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.1

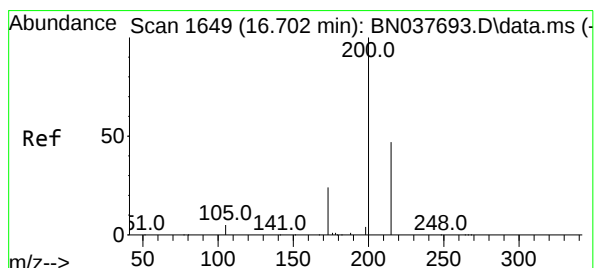
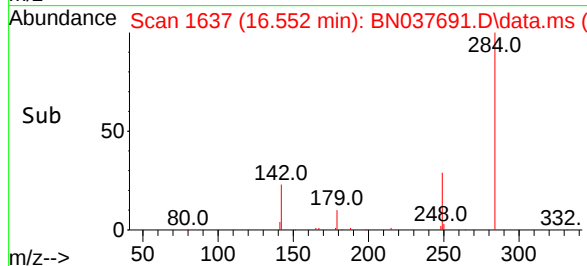
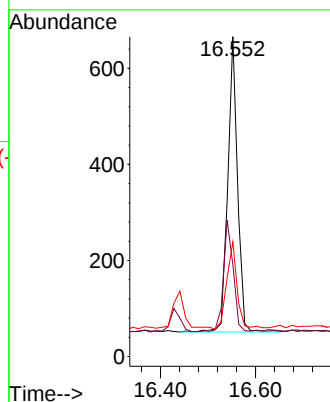
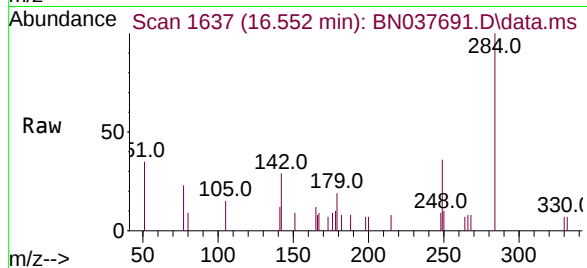
Tgt Ion:284 Resp: 883

Ion Ratio Lower Upper

284 100

142 38.1 30.9 46.3

249 29.9 24.8 37.2



#23

Atrazine

Concen: 0.088 ng

RT: 16.701 min Scan# 1649

Delta R.T. -0.000 min

Lab File: BN037691.D

Acq: 11 Sep 2025 09:56

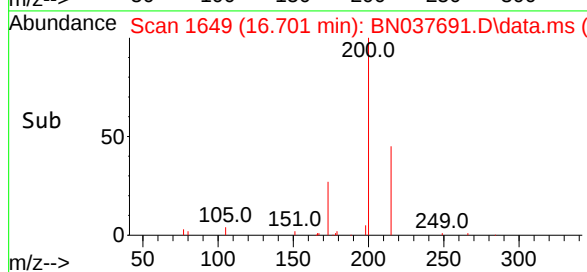
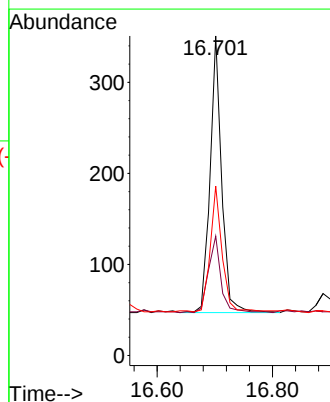
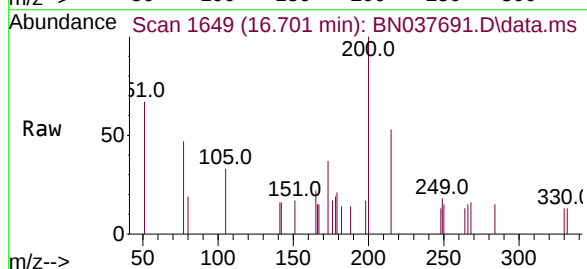
Tgt Ion:200 Resp: 426

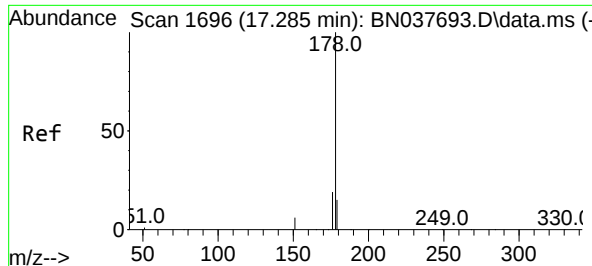
Ion Ratio Lower Upper

200 100

173 37.3 21.4 32.2#

215 53.0 39.2 58.8

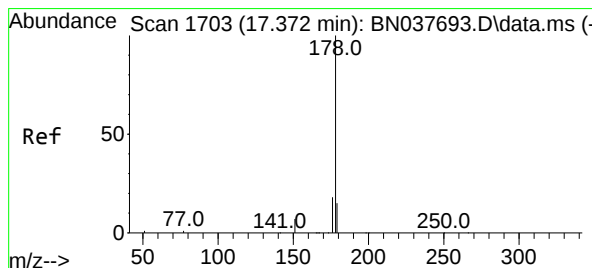
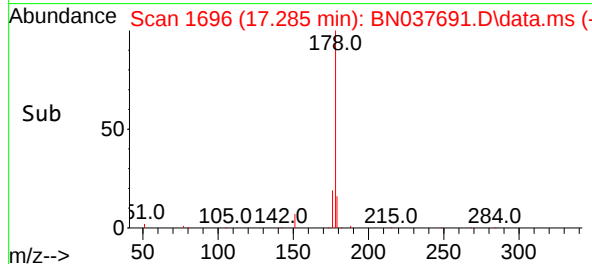
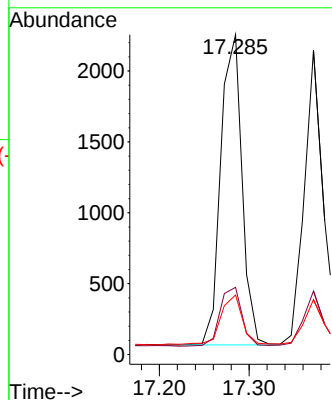
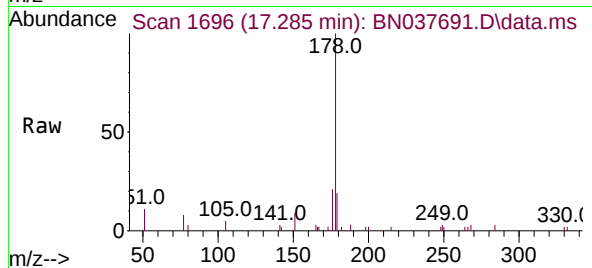




#25  
Phenanthrene  
Concen: 0.098 ng  
RT: 17.285 min Scan# 1696  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

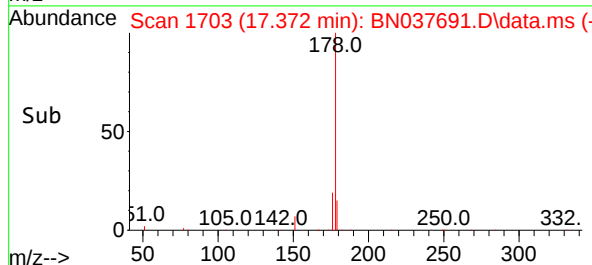
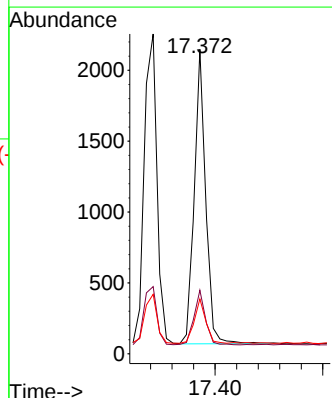
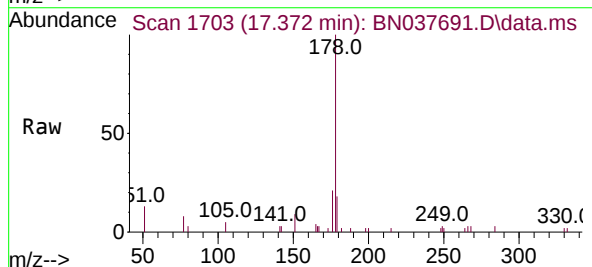
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.1

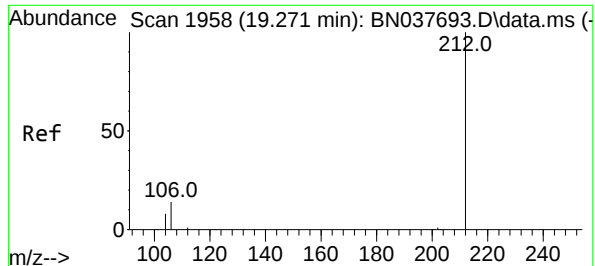
Tgt Ion:178 Resp: 3604  
Ion Ratio Lower Upper  
178 100  
176 19.7 15.3 22.9  
179 16.6 12.2 18.2



#26  
Anthracene  
Concen: 0.093 ng  
RT: 17.372 min Scan# 1703  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

Tgt Ion:178 Resp: 3046  
Ion Ratio Lower Upper  
178 100  
176 18.7 14.6 22.0  
179 15.1 12.2 18.4





#27

Fluoranthene-d10

Concen: 0.091 ng

RT: 19.271 min Scan# 1958

Delta R.T. -0.000 min

Lab File: BN037691.D

Acq: 11 Sep 2025 09:56

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.1

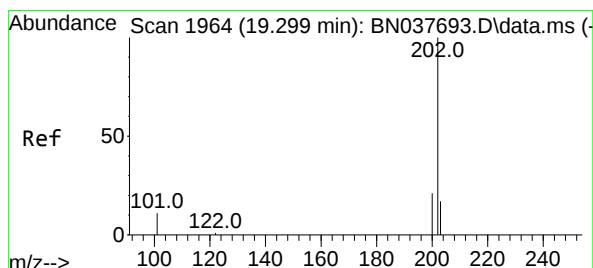
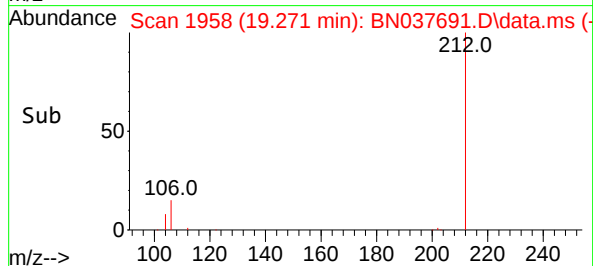
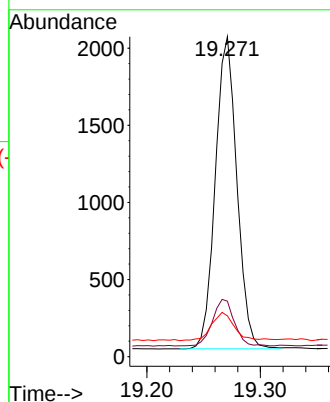
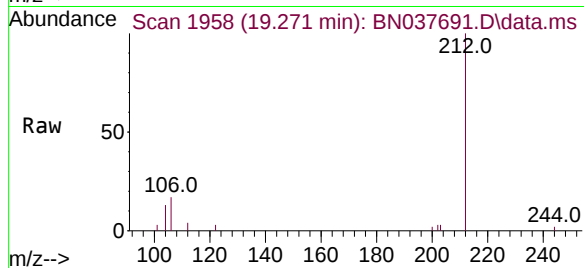
Tgt Ion:212 Resp: 2677

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|     |     |  |  |
|-----|-----|--|--|
| 212 | 100 |  |  |
|-----|-----|--|--|

|     |      |      |      |
|-----|------|------|------|
| 106 | 14.9 | 12.2 | 18.2 |
|-----|------|------|------|

|     |     |     |      |
|-----|-----|-----|------|
| 104 | 9.4 | 6.9 | 10.3 |
|-----|-----|-----|------|



#28

Fluoranthene

Concen: 0.091 ng

RT: 19.299 min Scan# 1964

Delta R.T. -0.000 min

Lab File: BN037691.D

Acq: 11 Sep 2025 09:56

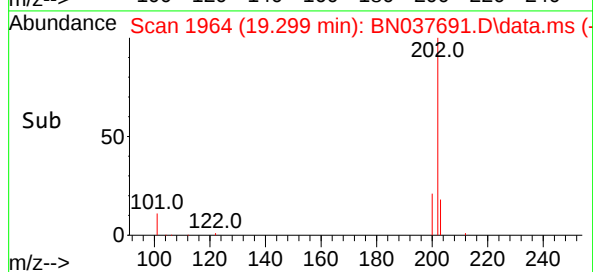
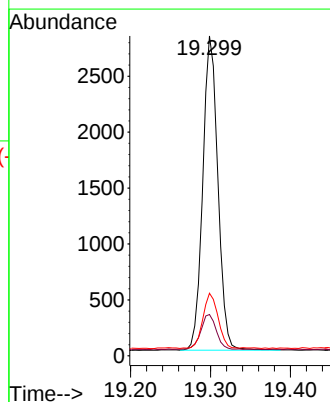
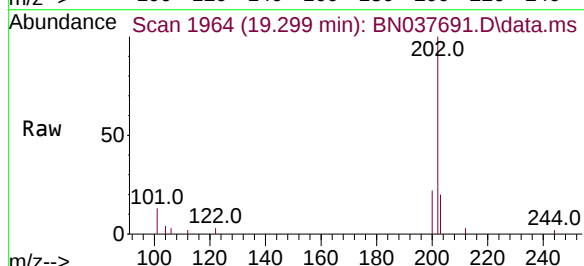
Tgt Ion:202 Resp: 3689

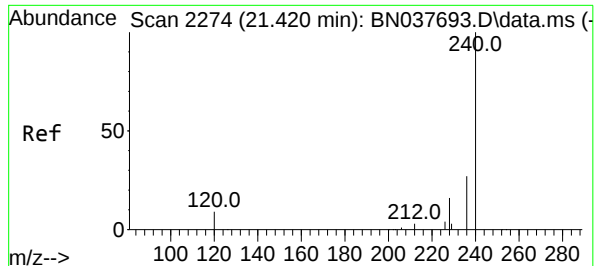
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|     |     |  |  |
|-----|-----|--|--|
| 202 | 100 |  |  |
|-----|-----|--|--|

|     |      |     |      |
|-----|------|-----|------|
| 101 | 11.4 | 9.3 | 13.9 |
|-----|------|-----|------|

|     |      |      |      |
|-----|------|------|------|
| 203 | 17.5 | 13.7 | 20.5 |
|-----|------|------|------|





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.420 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037691.D

Acq: 11 Sep 2025 09:56

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.1

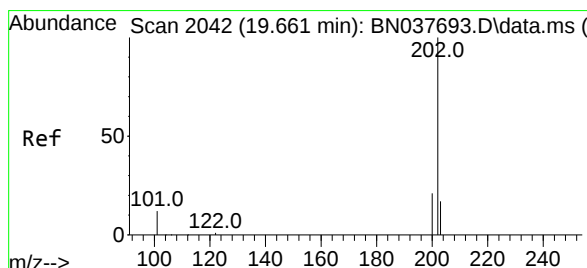
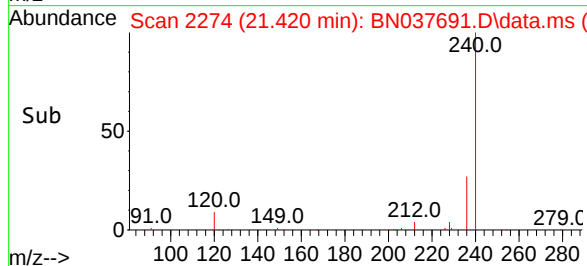
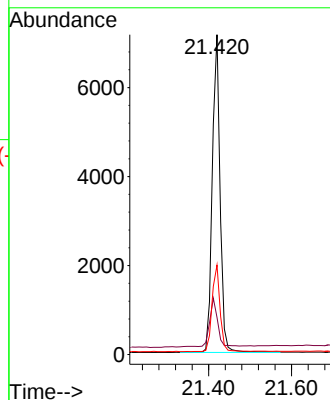
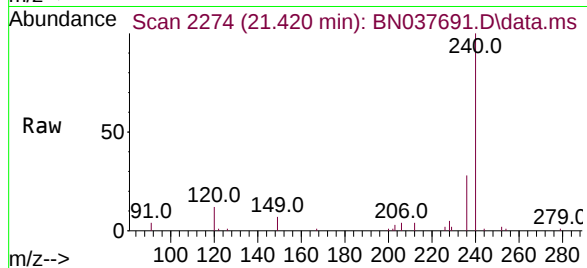
Tgt Ion:240 Resp: 9323

Ion Ratio Lower Upper

240 100

120 11.6 9.2 13.8

236 28.0 22.6 33.8



#30

Pyrene

Concen: 0.101 ng

RT: 19.661 min Scan# 2042

Delta R.T. -0.000 min

Lab File: BN037691.D

Acq: 11 Sep 2025 09:56

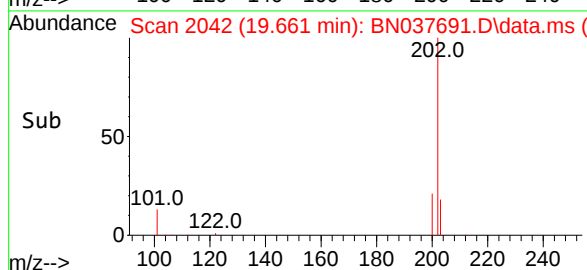
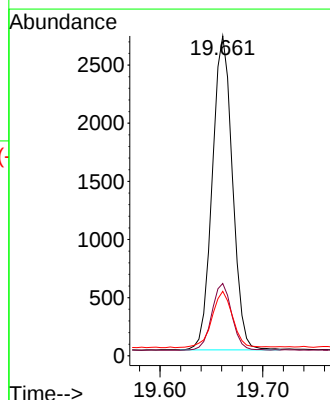
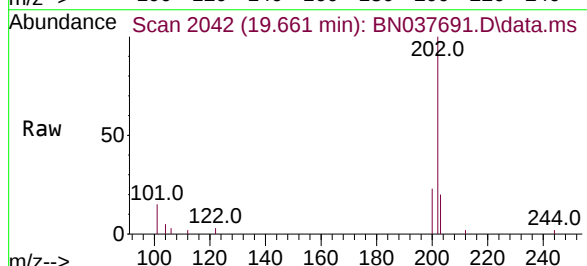
Tgt Ion:202 Resp: 3679

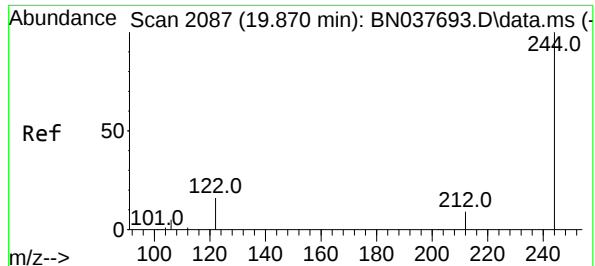
Ion Ratio Lower Upper

202 100

200 20.9 16.8 25.2

203 18.4 14.3 21.5

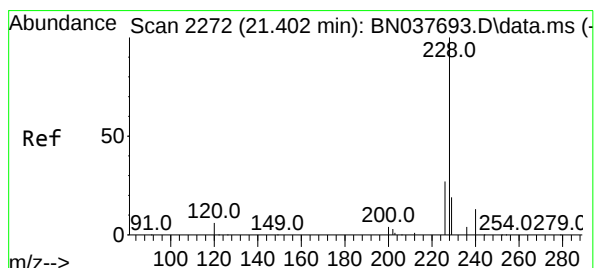
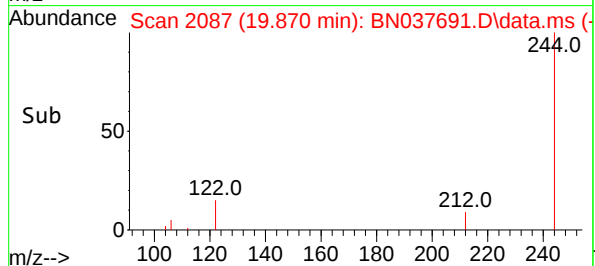
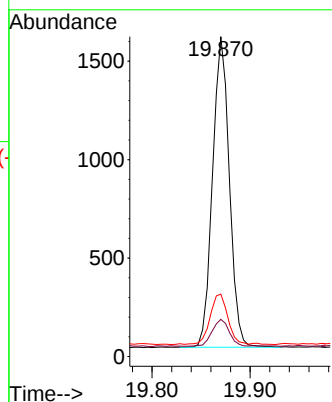
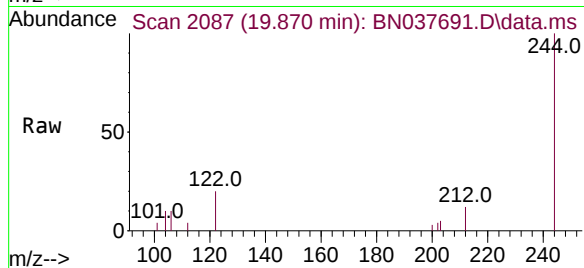




#31  
Terphenyl-d14  
Concen: 0.099 ng  
RT: 19.870 min Scan# 2087  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

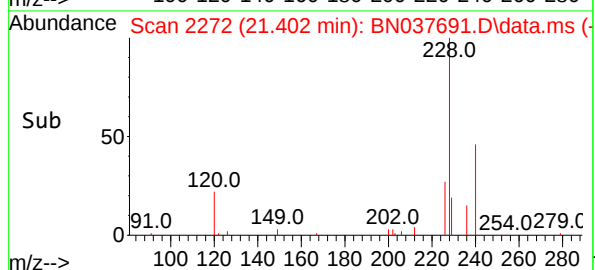
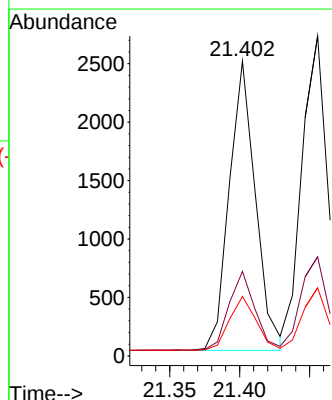
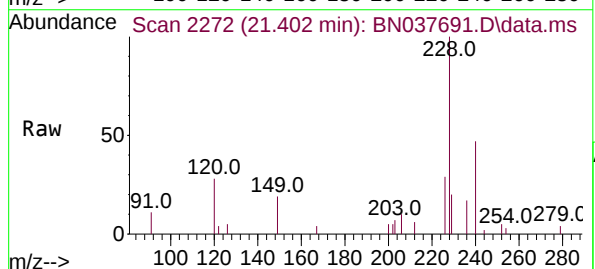
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.1

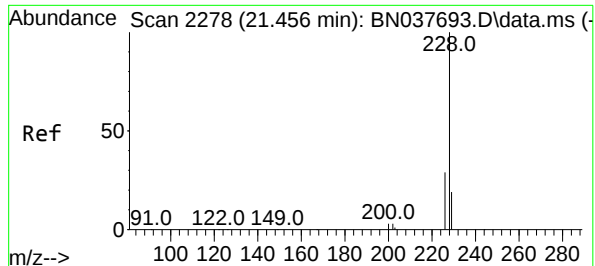
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 11.6  | 7.5   | 11.3# |
| 122     | 19.5  | 13.2  | 19.8  |



#32  
Benzo(a)anthracene  
Concen: 0.099 ng  
RT: 21.402 min Scan# 2272  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.6  | 22.2  | 33.2  |
| 229     | 20.2  | 15.8  | 23.6  |

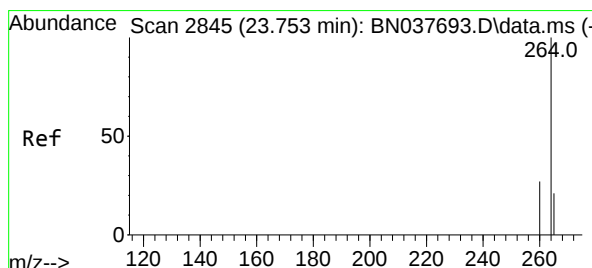
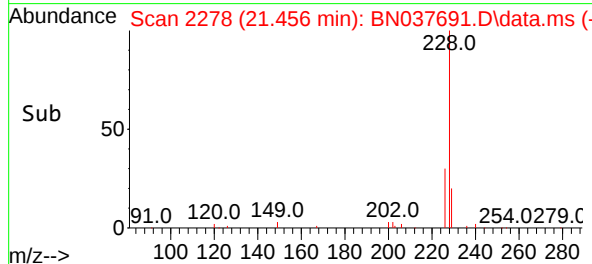
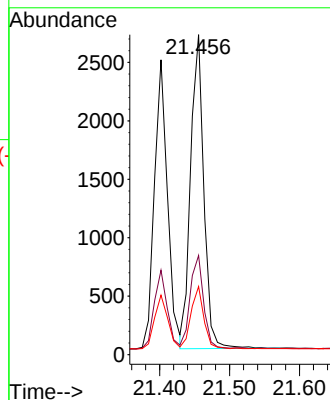
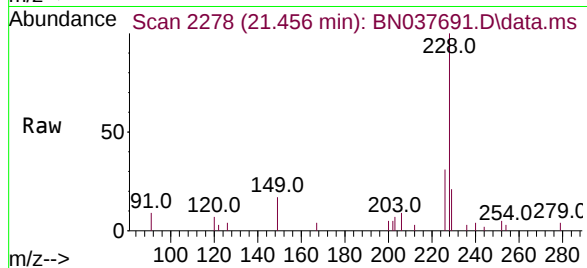




#33  
Chrysene  
Concen: 0.102 ng  
RT: 21.456 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

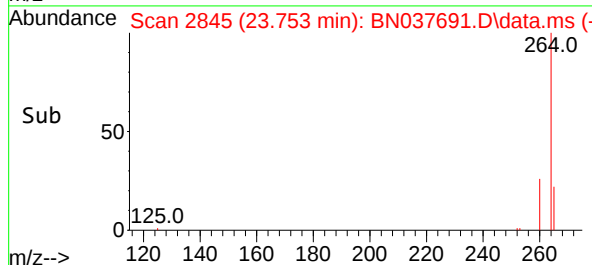
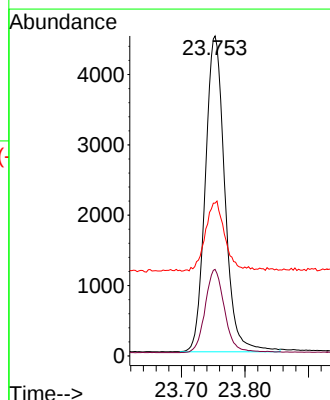
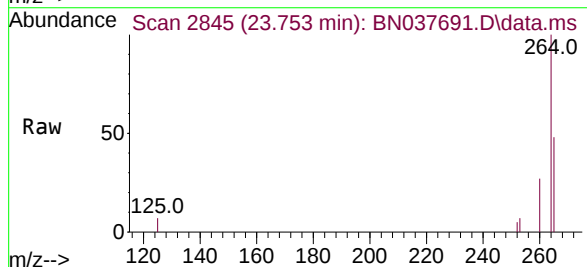
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.1

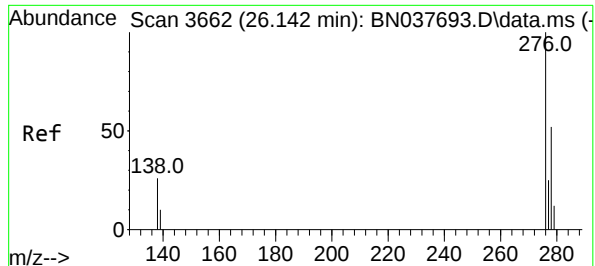
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.0  | 23.5  | 35.3  |
| 229     | 21.3  | 15.9  | 23.9  |



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.753 min Scan# 2845  
Delta R.T. -0.000 min  
Lab File: BN037691.D  
Acq: 11 Sep 2025 09:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 27.0  | 21.8  | 32.8  |
| 265     | 47.7  | 39.4  | 59.2  |





#36

Indeno(1,2,3-cd)pyrene

Concen: 0.090 ng

RT: 26.142 min Scan# 3662

Delta R.T. -0.000 min

Lab File: BN037691.D

Acq: 11 Sep 2025 09:56

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.1

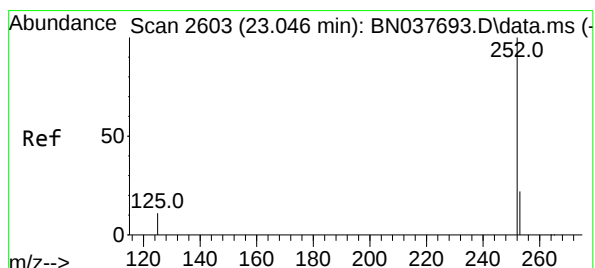
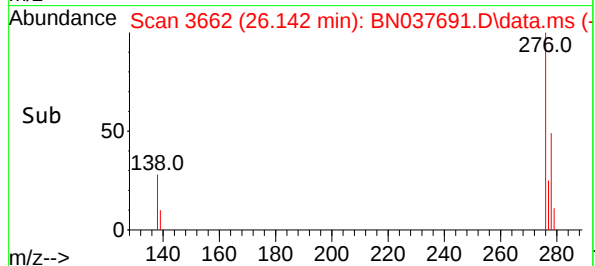
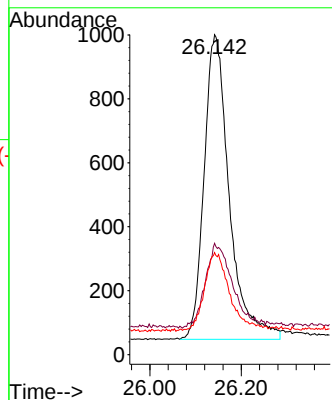
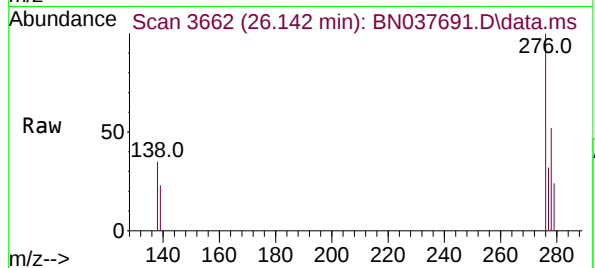
Tgt Ion:276 Resp: 3642

Ion Ratio Lower Upper

276 100

138 29.4 21.9 32.9

277 23.8 20.1 30.1



#37

Benzo(b)fluoranthene

Concen: 0.093 ng

RT: 23.048 min Scan# 2604

Delta R.T. 0.003 min

Lab File: BN037691.D

Acq: 11 Sep 2025 09:56

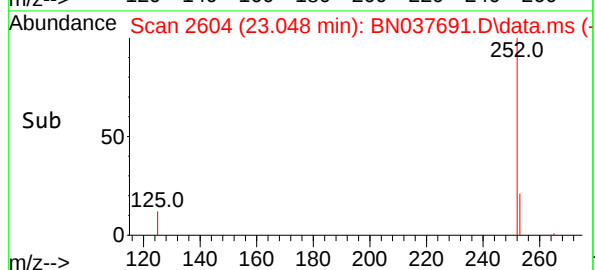
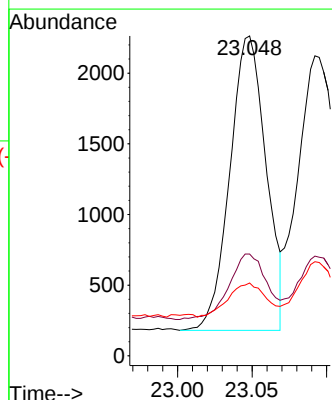
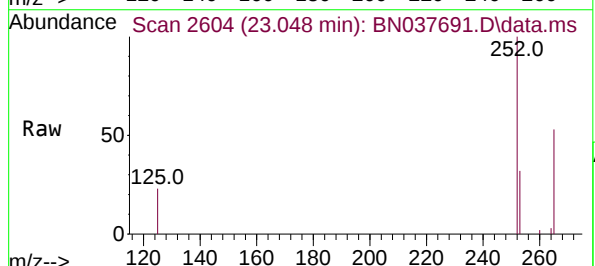
Tgt Ion:252 Resp: 3513

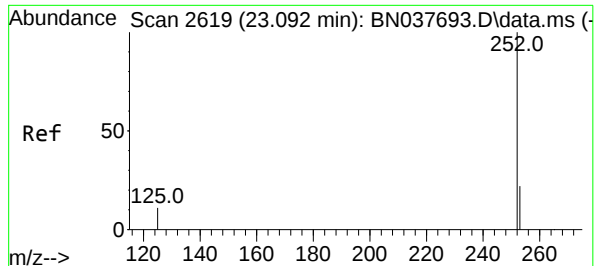
Ion Ratio Lower Upper

252 100

253 31.8 19.4 29.2#

125 22.8 11.2 16.8#





#38

Benzo(k)fluoranthene

Concen: 0.094 ng

RT: 23.092 min Scan# 2619

Delta R.T. -0.000 min

Lab File: BN037691.D

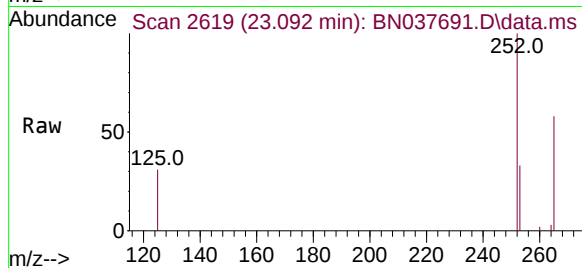
Acq: 11 Sep 2025 09:56

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.1



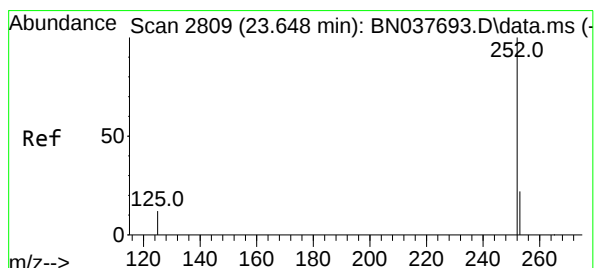
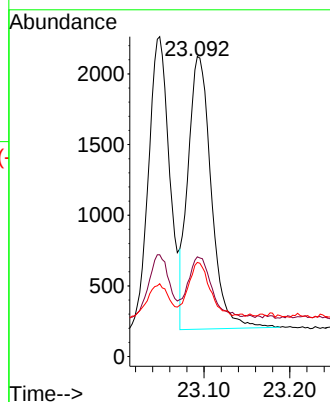
Tgt Ion:252 Resp: 3640

Ion Ratio Lower Upper

252 100

253 33.3 19.4 29.0#

125 31.4 11.6 17.4#



#39

Benzo(a)pyrene

Concen: 0.092 ng

RT: 23.651 min Scan# 2810

Delta R.T. 0.003 min

Lab File: BN037691.D

Acq: 11 Sep 2025 09:56

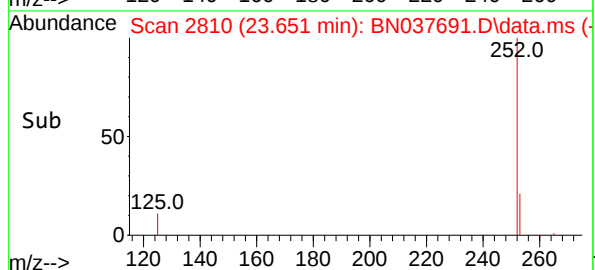
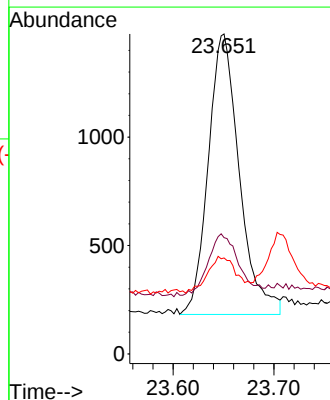
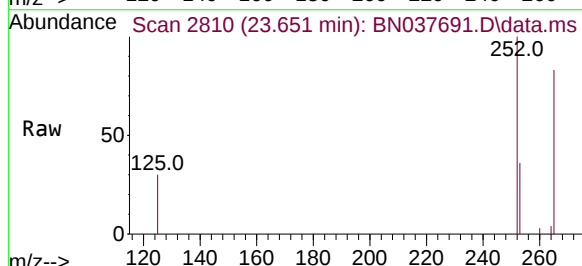
Tgt Ion:252 Resp: 2774

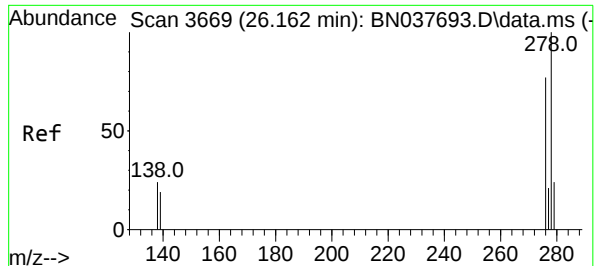
Ion Ratio Lower Upper

252 100

253 36.3 20.8 31.2#

125 30.0 13.9 20.9#





#40

Dibenzo(a,h)anthracene

Concen: 0.086 ng

RT: 26.159 min Scan# 3668

Delta R.T. -0.003 min

Lab File: BN037691.D

Acq: 11 Sep 2025 09:56

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.1

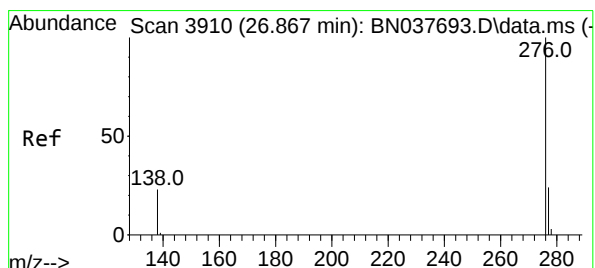
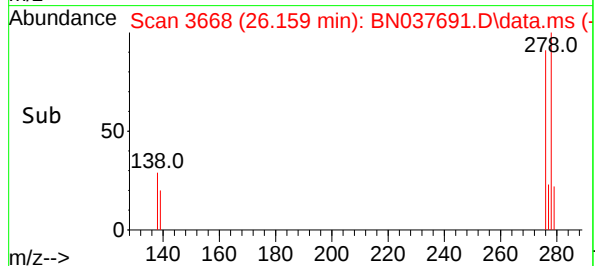
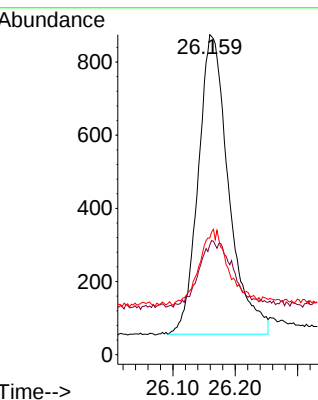
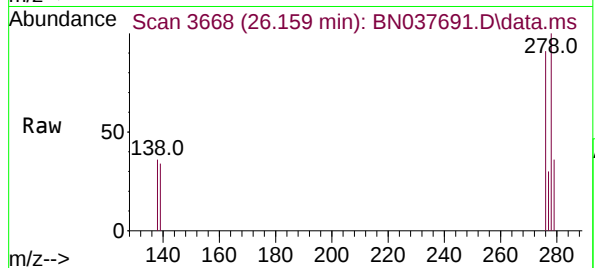
Tgt Ion:278 Resp: 2778

Ion Ratio Lower Upper

278 100

139 34.3 17.8 26.6#

279 36.5 22.0 33.0#



#41

Benzo(g,h,i)perylene

Concen: 0.094 ng

RT: 26.870 min Scan# 3911

Delta R.T. 0.003 min

Lab File: BN037691.D

Acq: 11 Sep 2025 09:56

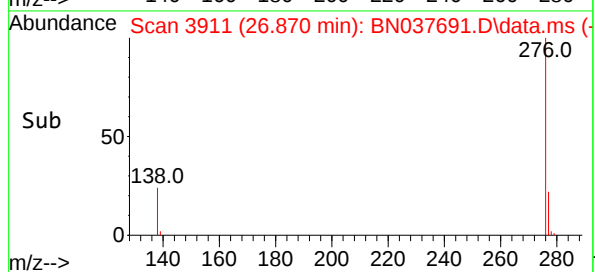
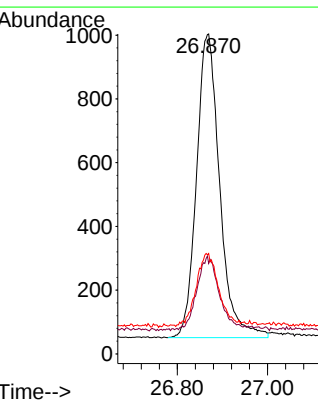
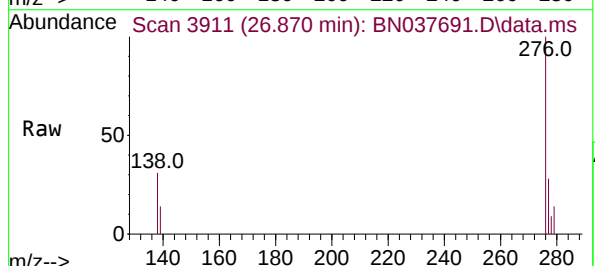
Tgt Ion:276 Resp: 3393

Ion Ratio Lower Upper

276 100

277 28.3 20.6 31.0

138 31.4 20.2 30.2#



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
 Data File : BN037692.D  
 Acq On : 11 Sep 2025 10:32  
 Operator : RC/JU  
 Sample : SSTDICC0.2  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC0.2

Manual Integrations  
 APPROVED

Reviewed By :Rahul Chavli 09/12/2025  
 Supervised By :Jagrut Upadhyay 09/12/2025

Quant Time: Sep 11 14:05:36 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:02:44 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.840  | 152  | 5547     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.648 | 136  | 15018    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.494 | 164  | 6952     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.235 | 188  | 12385    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.420 | 240  | 9324     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.753 | 264  | 9364     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.399  | 112  | 2533     | 0.199 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.988  | 99   | 3308     | 0.200 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.993  | 82   | 2098     | 0.191 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.243 | 152  | 3732     | 0.188 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.982 | 330  | 340      | 0.188 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.115 | 172  | 5791     | 0.199 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.271 | 212  | 5492     | 0.177 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.870 | 244  | 3884     | 0.205 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.304  | 88   | 1189     | 0.206 | ng    | 99       |
| 3) n-Nitrosodimethylamine     | 3.608  | 42   | 1470     | 0.195 | ng    | # 93     |
| 6) bis(2-Chloroethyl)ether    | 7.255  | 93   | 2982     | 0.202 | ng    | 100      |
| 9) Naphthalene                | 10.701 | 128  | 8051     | 0.196 | ng    | 99       |
| 10) Hexachlorobutadiene       | 11.000 | 225  | 1472     | 0.198 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.314 | 142  | 4889     | 0.193 | ng    | 100      |
| 16) Acenaphthylene            | 14.216 | 152  | 6105     | 0.191 | ng    | 98       |
| 17) Acenaphthene              | 14.559 | 154  | 4168     | 0.193 | ng    | 98       |
| 18) Fluorene                  | 15.535 | 166  | 4875     | 0.187 | ng    | 97       |
| 20) 4,6-Dinitro-2-methylph... | 15.609 | 198  | 201      | 0.175 | ng    | # 58     |
| 21) 4-Bromophenyl-phenylether | 16.441 | 248  | 1560     | 0.193 | ng    | 97       |
| 22) Hexachlorobenzene         | 16.553 | 284  | 1906     | 0.205 | ng    | 99       |
| 23) Atrazine                  | 16.702 | 200  | 932      | 0.181 | ng    | 96       |
| 24) Pentachlorophenol         | 16.888 | 266  | 461      | 0.171 | ng    | 98       |
| 25) Phenanthrene              | 17.285 | 178  | 7526     | 0.193 | ng    | 98       |
| 26) Anthracene                | 17.372 | 178  | 6375     | 0.185 | ng    | 99       |
| 28) Fluoranthene              | 19.299 | 202  | 7577     | 0.177 | ng    | 100      |
| 30) Pyrene                    | 19.661 | 202  | 7543     | 0.207 | ng    | 99       |
| 32) Benzo(a)anthracene        | 21.402 | 228  | 6270     | 0.193 | ng    | 99       |
| 33) Chrysene                  | 21.456 | 228  | 6953     | 0.199 | ng    | 98       |
| 34) Bis(2-ethylhexyl)phtha... | 21.348 | 149  | 2049     | 0.213 | ng    | # 97     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.142 | 276  | 6982     | 0.177 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 23.046 | 252  | 6907     | 0.187 | ng    | # 93     |
| 38) Benzo(k)fluoranthene      | 23.092 | 252  | 7226m    | 0.192 | ng    |          |
| 39) Benzo(a)pyrene            | 23.651 | 252  | 5489     | 0.186 | ng    | # 92     |
| 40) Dibenzo(a,h)anthracene    | 26.165 | 278  | 5503     | 0.175 | ng    | # 90     |
| 41) Benzo(g,h,i)perylene      | 26.864 | 276  | 6566     | 0.186 | ng    | 95       |
| -----                         |        |      |          |       |       |          |

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

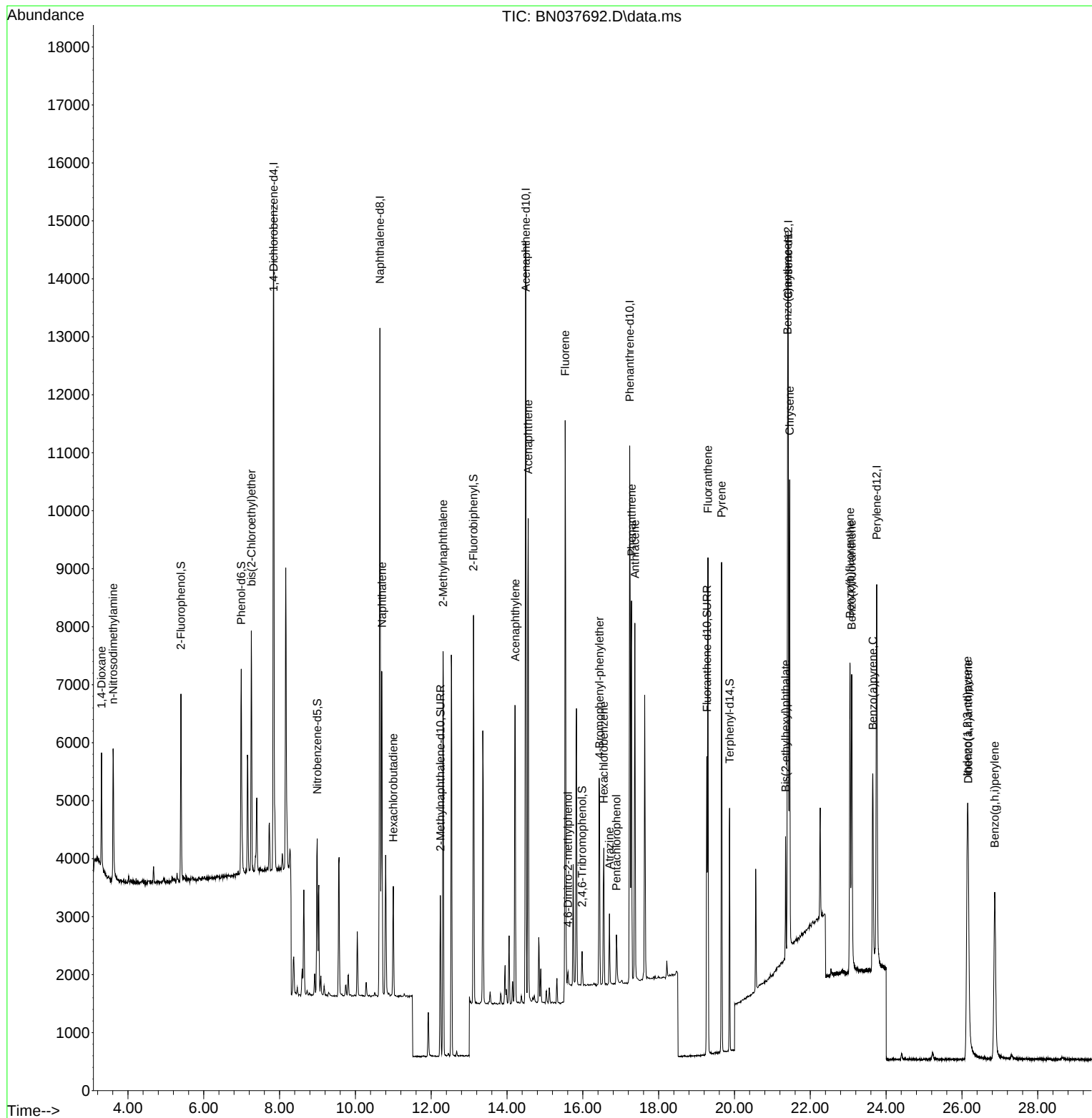
Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
Data File : BN037692.D  
Acq On : 11 Sep 2025 10:32  
Operator : RC/JU  
Sample : SSTDICC0.2  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

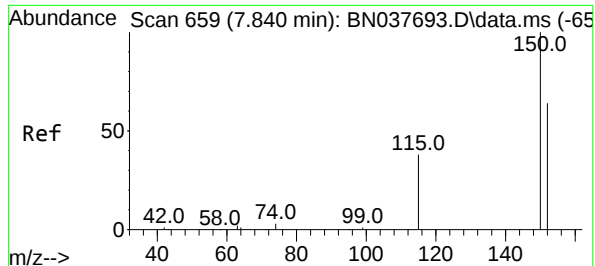
**Instrument :**  
BNA\_N  
**ClientSampleId :**  
SSTDICC0.2

## Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jaagrut Upadhyay 09/12/2025

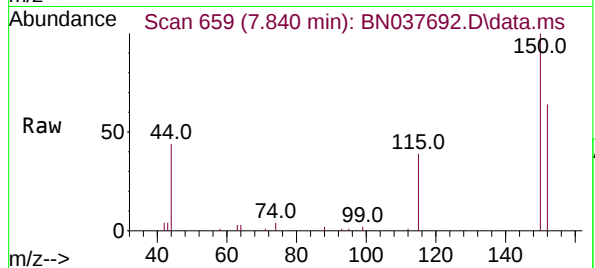
Quant Time: Sep 11 14:05:36 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 11 14:02:44 2025  
Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.840 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

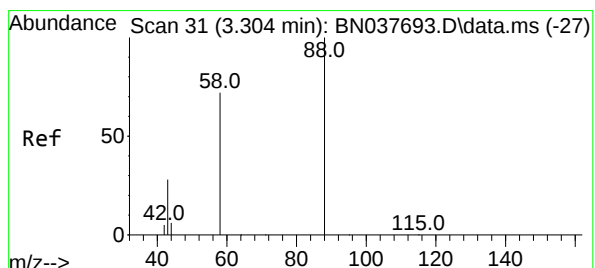
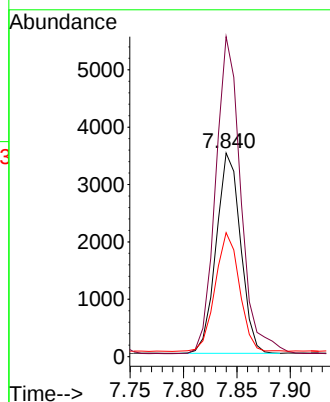
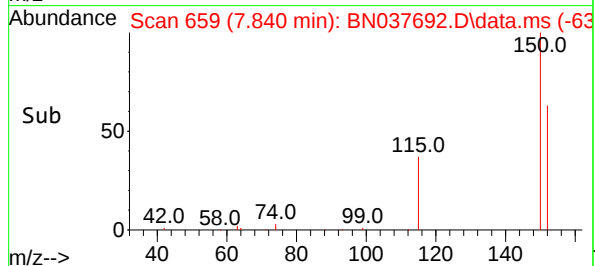
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2



Tgt Ion:152 Resp: 554  
Ion Ratio Lower Upper  
152 100  
150 157.2 124.5 186.7  
115 60.9 49.2 73.8

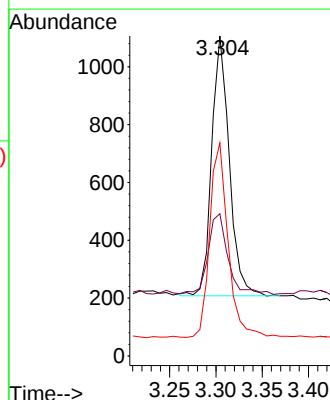
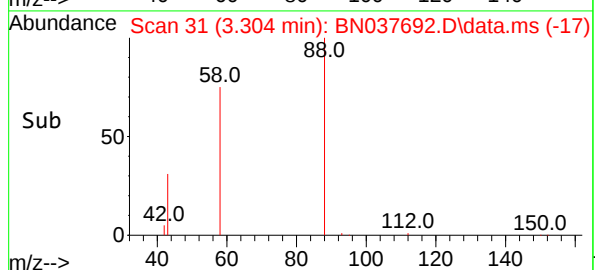
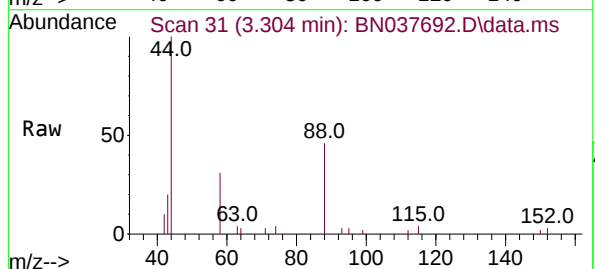
Manual Integrations  
APPROVED

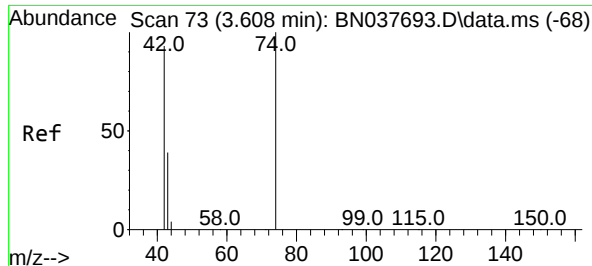
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#2  
1,4-Dioxane  
Concen: 0.206 ng  
RT: 3.304 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

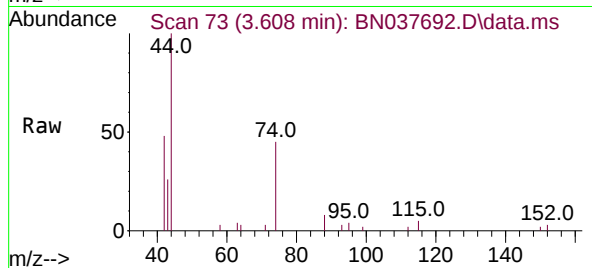
Tgt Ion: 88 Resp: 1189  
Ion Ratio Lower Upper  
88 100  
43 34.1 26.8 40.2  
58 78.4 61.9 92.9





#3  
n-Nitrosodimethylamine  
Concen: 0.195 ng  
RT: 3.608 min Scan# 73  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

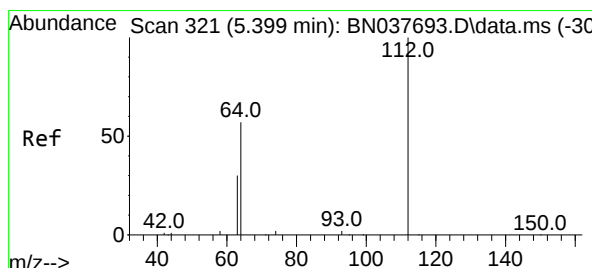
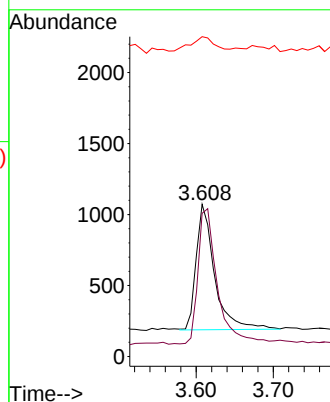
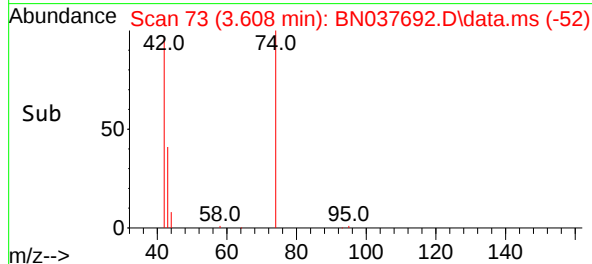
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2



Tgt Ion: 42 Resp: 1470  
Ion Ratio Lower Upper  
42 100  
74 113.6 86.0 129.0  
44 16.2 8.4 12.6

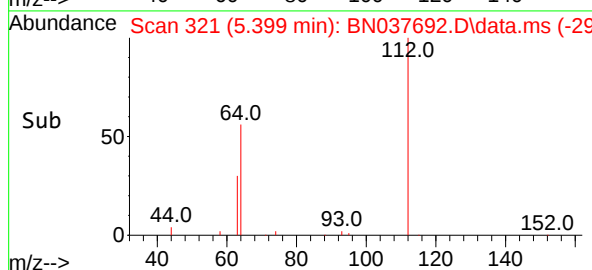
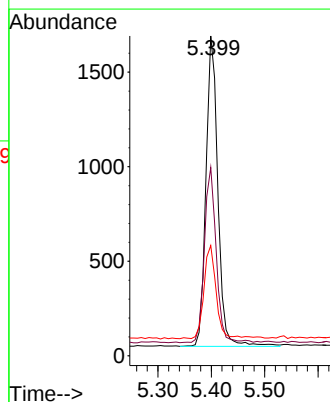
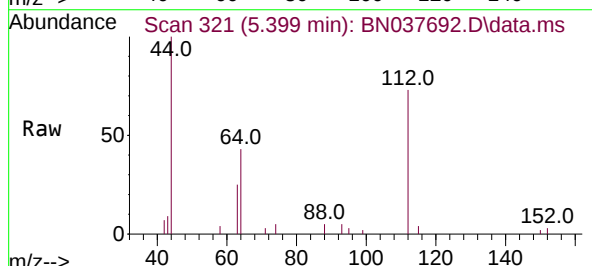
Manual Integrations  
APPROVED

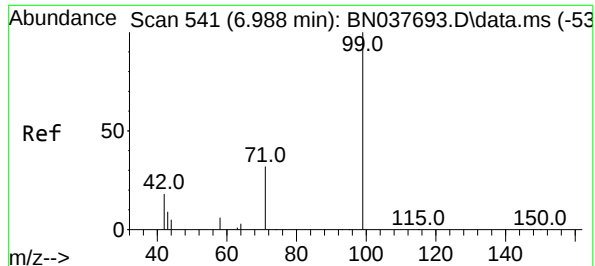
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#4  
2-Fluorophenol  
Concen: 0.199 ng  
RT: 5.399 min Scan# 321  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

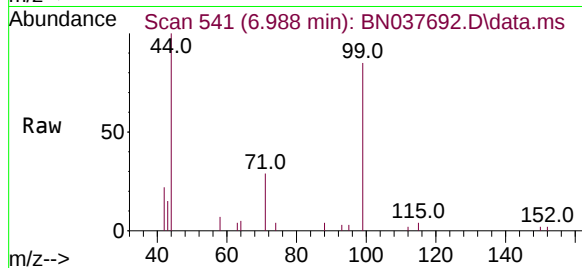
Tgt Ion:112 Resp: 2533  
Ion Ratio Lower Upper  
112 100  
64 55.5 44.9 67.3  
63 30.4 24.7 37.1





#5  
Phenol-d6  
Concen: 0.200 ng  
RT: 6.988 min Scan# 541  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

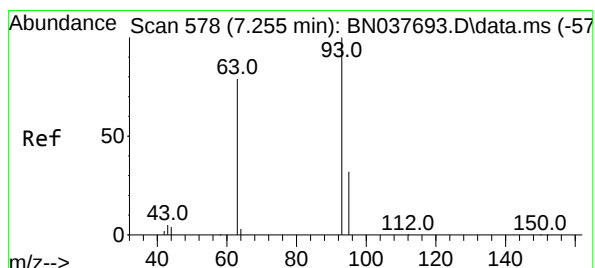
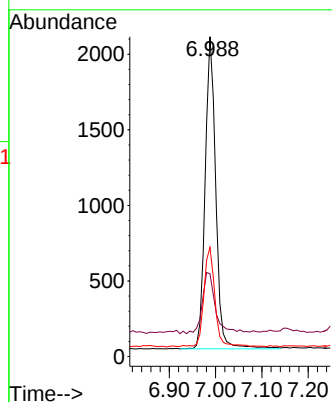
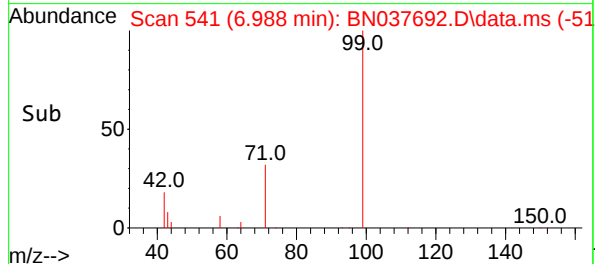
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2



Tgt Ion: 99 Resp: 3308  
Ion Ratio Lower Upper  
99 100  
42 24.3 16.6 24.8  
71 32.8 26.7 40.1

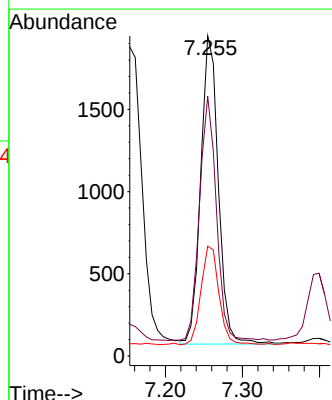
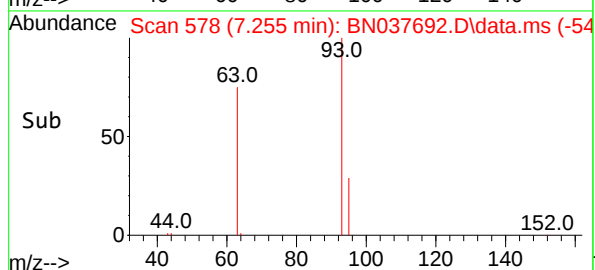
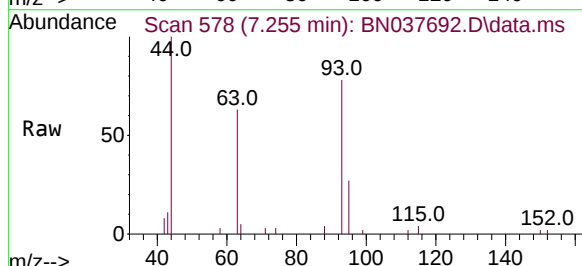
Manual Integrations  
APPROVED

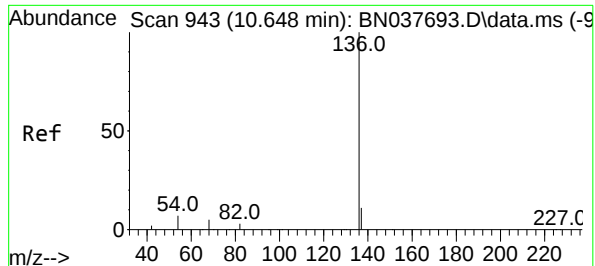
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#6  
bis(2-Chloroethyl)ether  
Concen: 0.202 ng  
RT: 7.255 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

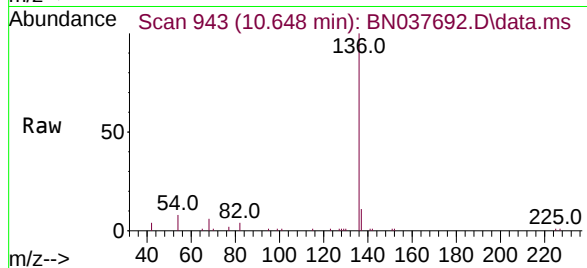
Tgt Ion: 93 Resp: 2982  
Ion Ratio Lower Upper  
93 100  
63 75.7 60.6 90.8  
95 32.5 26.0 39.0





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.648 min Scan# 943  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

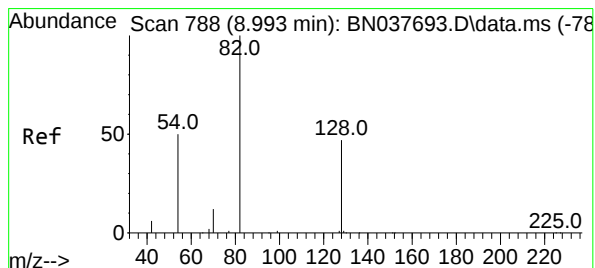
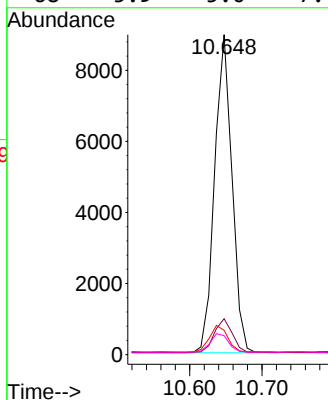
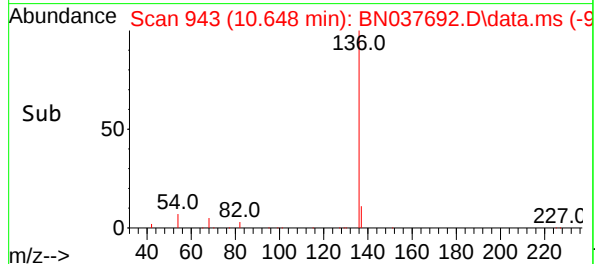
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2



Tgt Ion:136 Resp: 15018  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.1 13.7  
54 7.6 6.3 9.5  
68 5.9 5.0 7.4

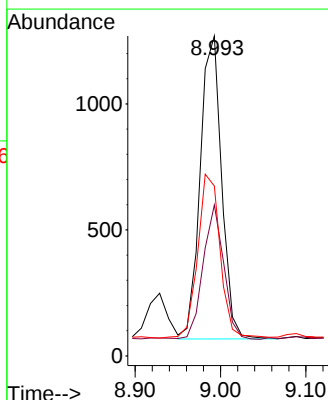
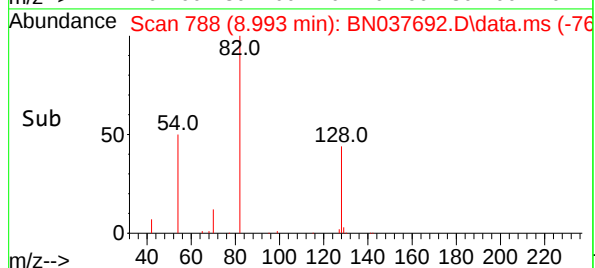
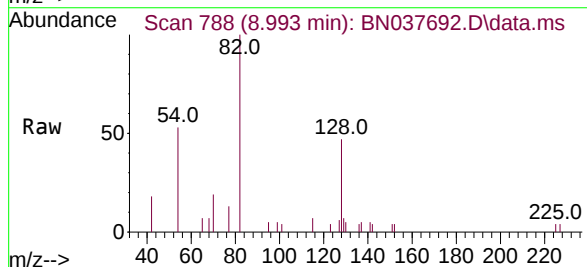
Manual Integrations  
APPROVED

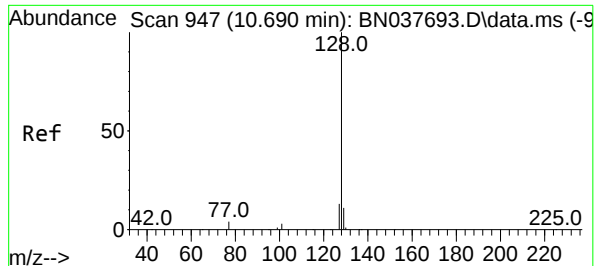
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#8  
Nitrobenzene-d5  
Concen: 0.191 ng  
RT: 8.993 min Scan# 788  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

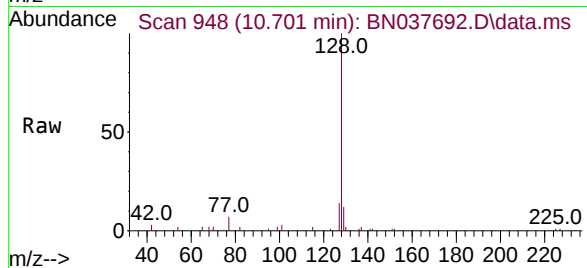
Tgt Ion: 82 Resp: 2098  
Ion Ratio Lower Upper  
82 100  
128 47.2 38.3 57.5  
54 53.1 41.4 62.2





#9  
Naphthalene  
Concen: 0.196 ng  
RT: 10.701 min Scan# 948  
Delta R.T. 0.011 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

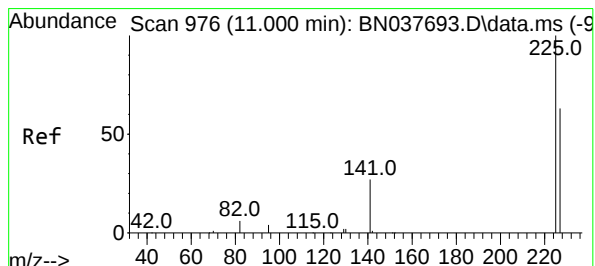
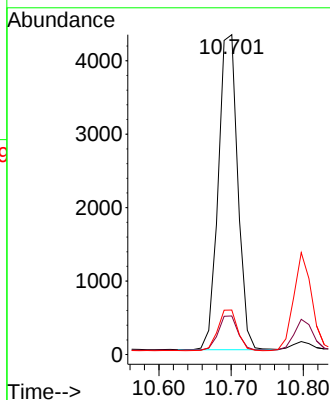
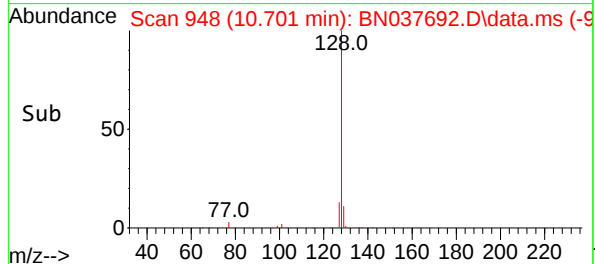
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2



Tgt Ion:128 Resp: 805  
Ion Ratio Lower Upper  
128 100  
129 12.1 9.1 13.7  
127 13.9 10.9 16.3

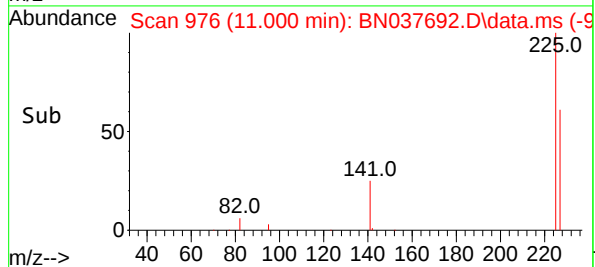
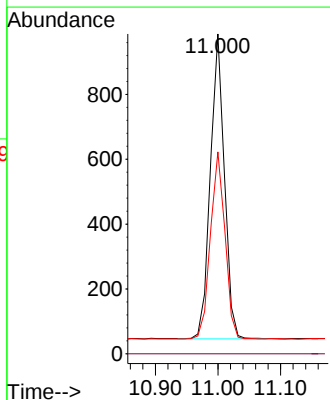
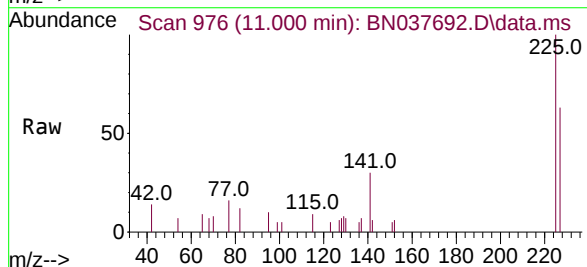
Manual Integrations  
APPROVED

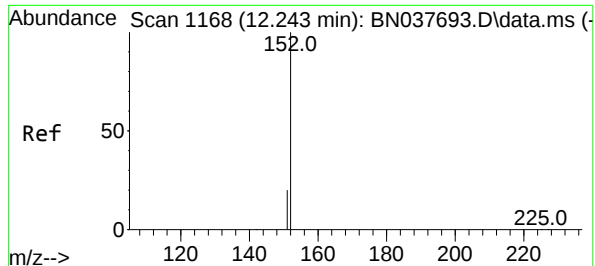
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#10  
Hexachlorobutadiene  
Concen: 0.198 ng  
RT: 11.000 min Scan# 976  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

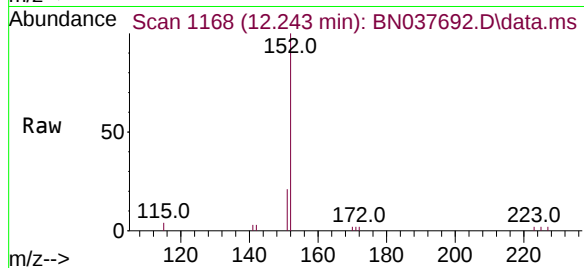
Tgt Ion:225 Resp: 1472  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 63.2 50.9 76.3





#11  
2-Methylnaphthalene-d10  
Concen: 0.188 ng  
RT: 12.243 min Scan# 1168  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

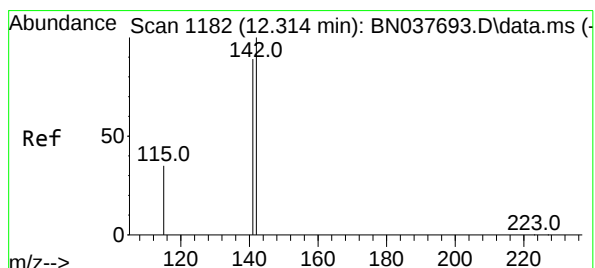
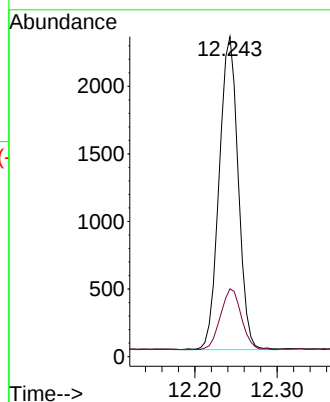
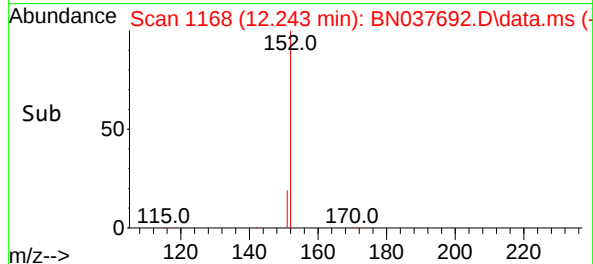
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2



Tgt Ion:152 Resp: 3732  
Ion Ratio Lower Upper  
152 100  
151 21.2 17.0 25.6

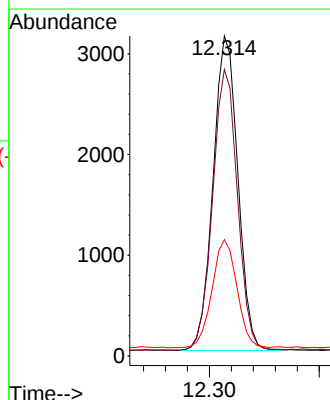
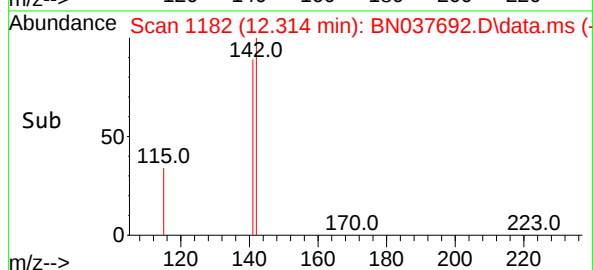
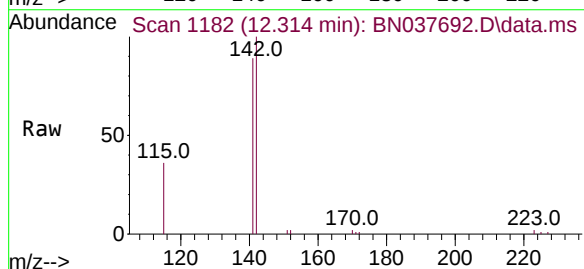
Manual Integrations  
APPROVED

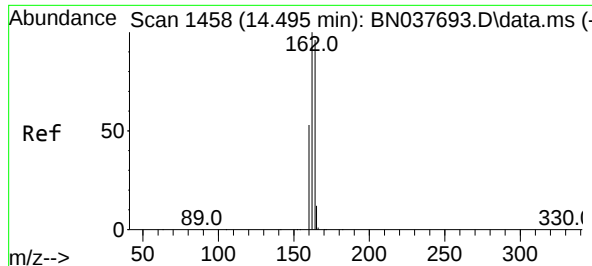
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#12  
2-Methylnaphthalene  
Concen: 0.193 ng  
RT: 12.314 min Scan# 1182  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

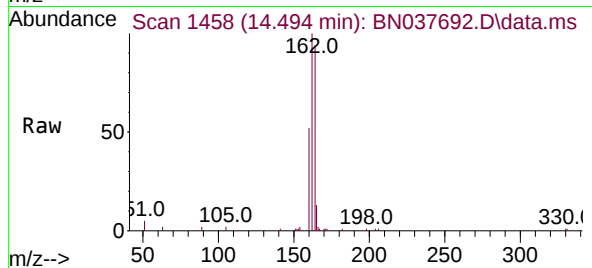
Tgt Ion:142 Resp: 4889  
Ion Ratio Lower Upper  
142 100  
141 89.5 71.6 107.4  
115 36.3 28.6 43.0





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.494 min Scan# 1458  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

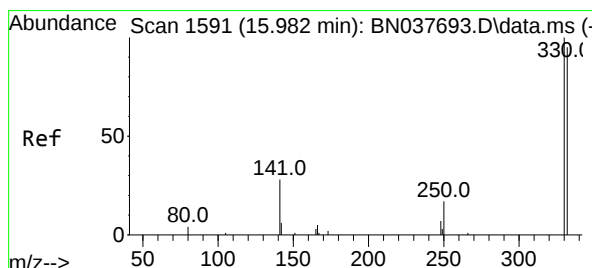
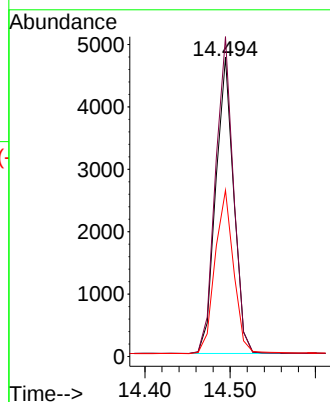
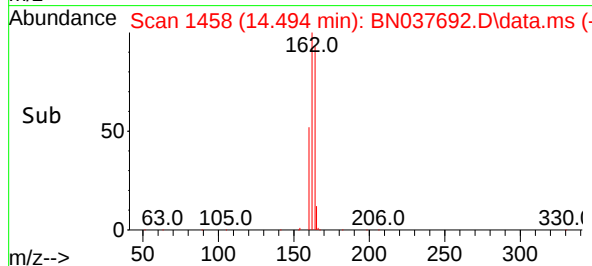
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2



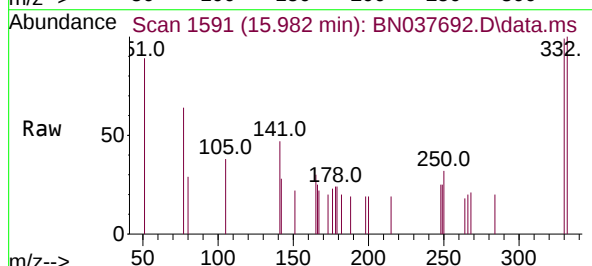
Tgt Ion:164 Resp: 6952  
Ion Ratio Lower Upper  
164 100  
162 106.9 83.1 124.7  
160 55.5 44.3 66.5

Manual Integrations  
APPROVED

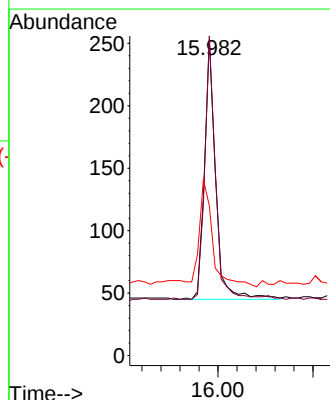
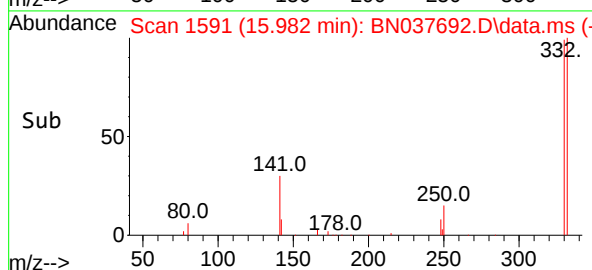
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

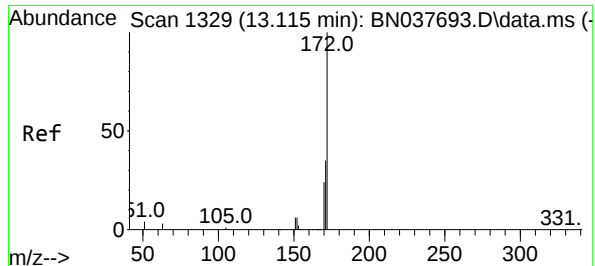


#14  
2,4,6-Tribromophenol  
Concen: 0.188 ng  
RT: 15.982 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32



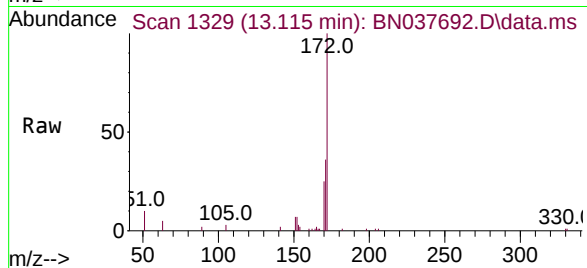
Tgt Ion:330 Resp: 340  
Ion Ratio Lower Upper  
330 100  
332 95.6 75.3 112.9  
141 49.4 35.0 52.4





#15  
2-Fluorobiphenyl  
Concen: 0.199 ng  
RT: 13.115 min Scan# 1329  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

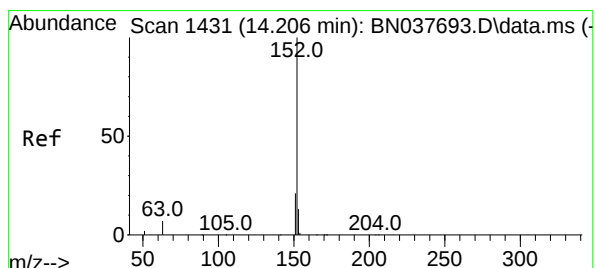
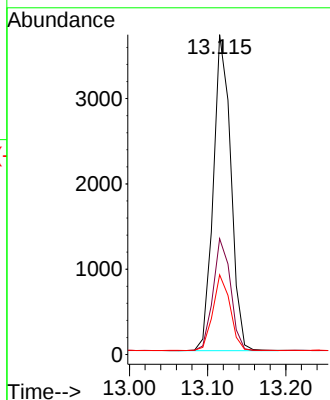
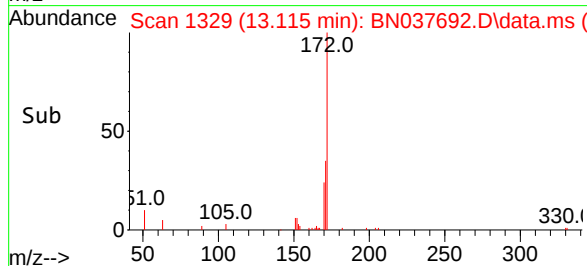
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2



Tgt Ion:172 Resp: 5791  
Ion Ratio Lower Upper  
172 100  
171 36.2 28.6 43.0  
170 24.9 19.8 29.8

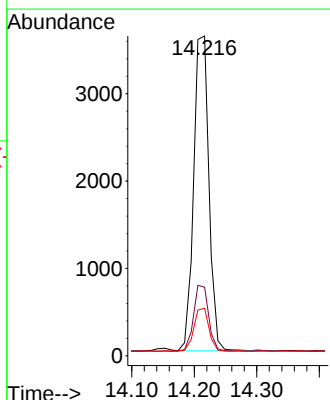
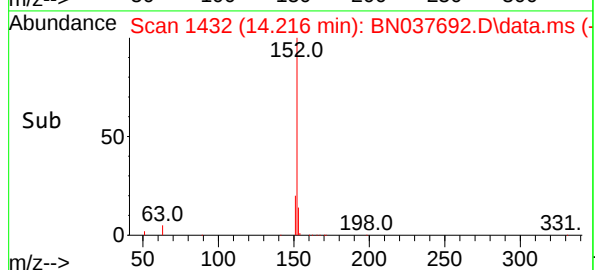
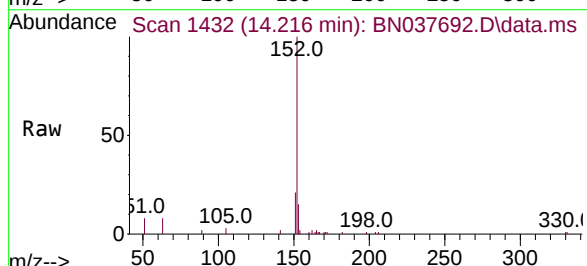
Manual Integrations  
APPROVED

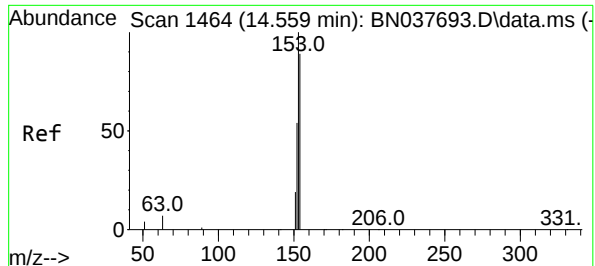
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#16  
Acenaphthylene  
Concen: 0.191 ng  
RT: 14.216 min Scan# 1432  
Delta R.T. 0.011 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

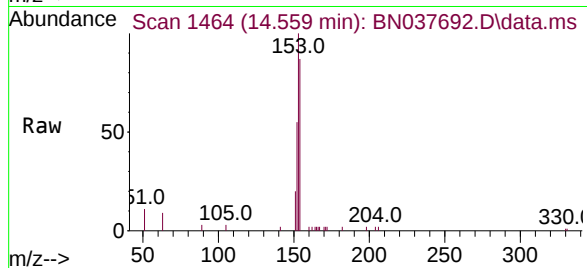
Tgt Ion:152 Resp: 6105  
Ion Ratio Lower Upper  
152 100  
151 20.8 16.2 24.2  
153 13.8 10.4 15.6





#17  
Acenaphthene  
Concen: 0.193 ng  
RT: 14.559 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

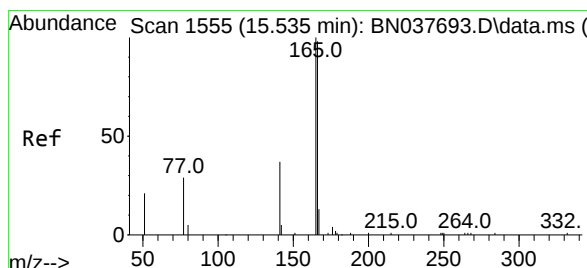
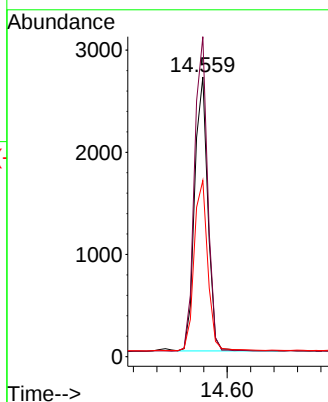
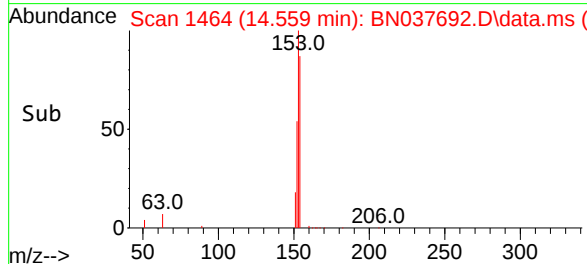
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2



Tgt Ion:154 Resp: 4168  
Ion Ratio Lower Upper  
154 100  
153 114.9 89.8 134.8  
152 64.4 50.2 75.2

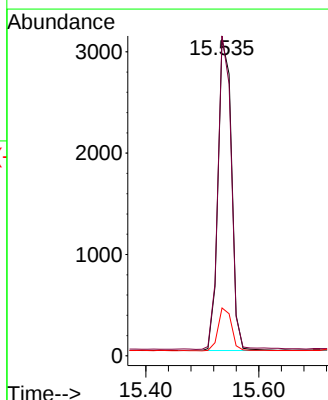
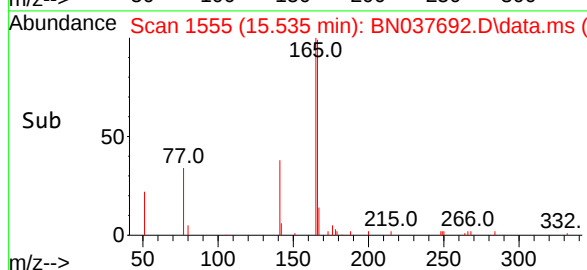
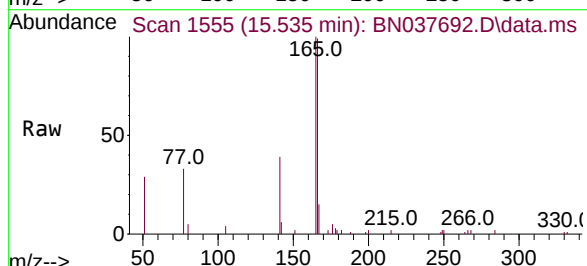
Manual Integrations  
APPROVED

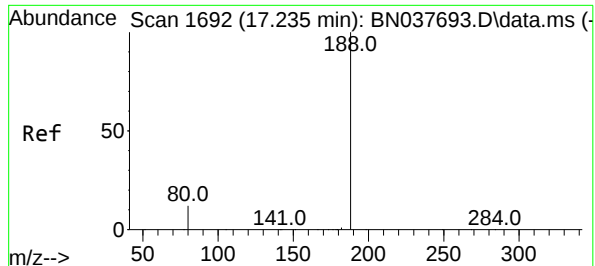
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#18  
Fluorene  
Concen: 0.187 ng  
RT: 15.535 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

Tgt Ion:166 Resp: 4875  
Ion Ratio Lower Upper  
166 100  
165 102.3 79.6 119.4  
167 14.5 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.235 min Scan# 1692

Delta R.T. -0.000 min

Lab File: BN037692.D

Acq: 11 Sep 2025 10:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.2

Tgt Ion:188 Resp: 12385

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

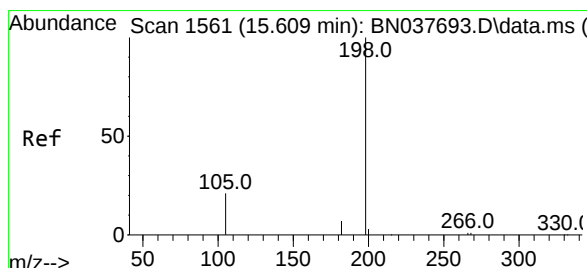
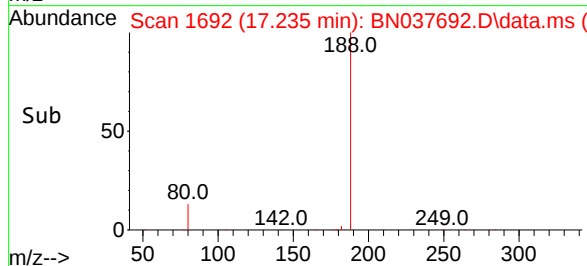
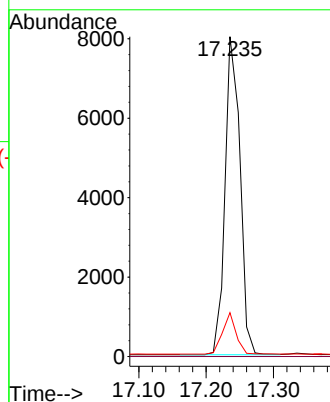
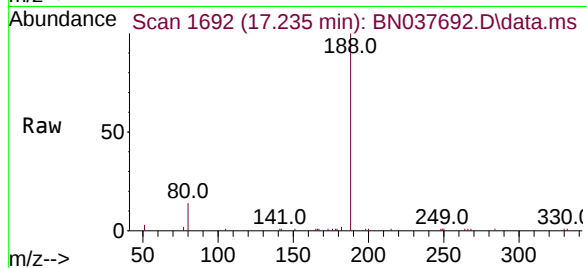
80 13.7 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#20

4,6-Dinitro-2-methylphenol

Concen: 0.175 ng

RT: 15.609 min Scan# 1561

Delta R.T. 0.000 min

Lab File: BN037692.D

Acq: 11 Sep 2025 10:32

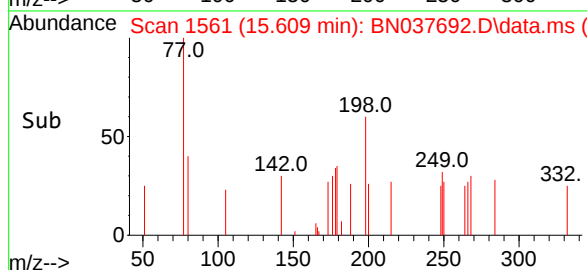
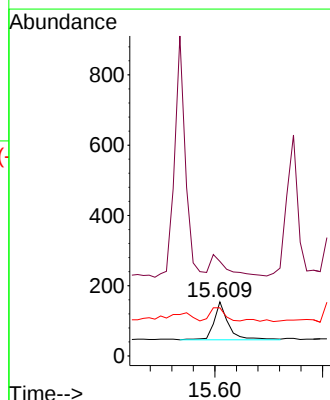
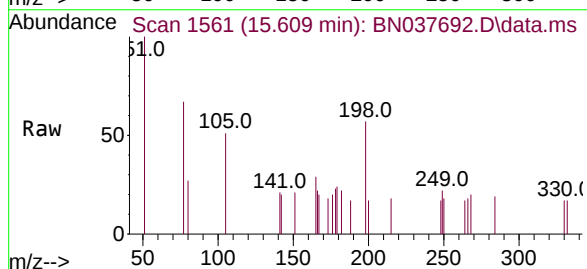
Tgt Ion:198 Resp: 201

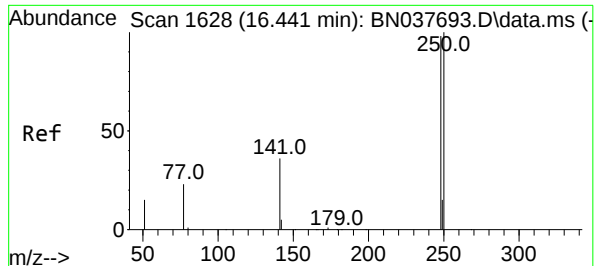
Ion Ratio Lower Upper

198 100

51 174.7 95.1 142.7#

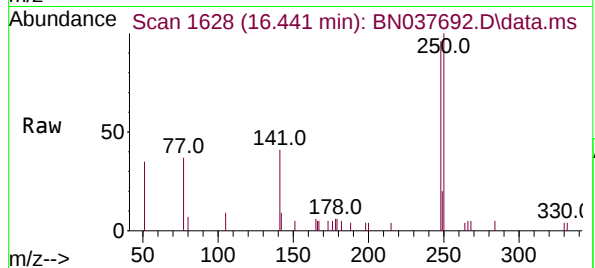
105 89.0 53.8 80.6#





#21  
4-Bromophenyl-phenylether  
Concen: 0.193 ng  
RT: 16.441 min Scan# 1628  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

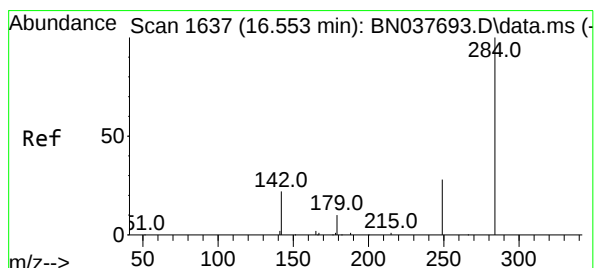
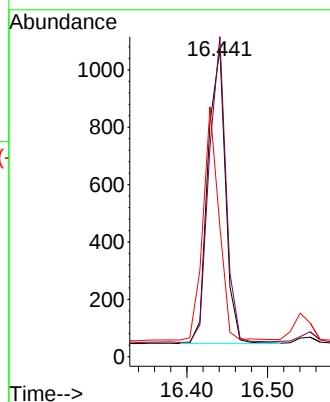
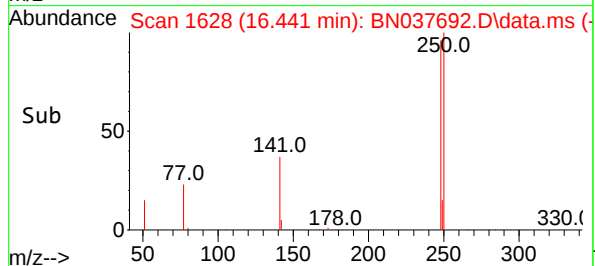
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2



Tgt Ion: 248 Resp: 1560  
Ion Ratio Lower Upper  
248 100  
250 104.0 81.5 122.3  
141 42.3 30.8 46.2

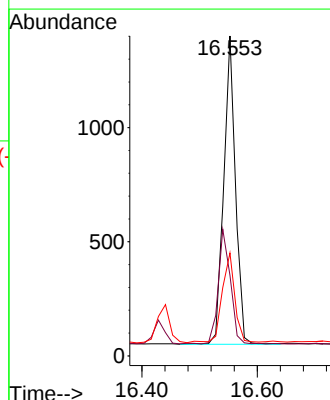
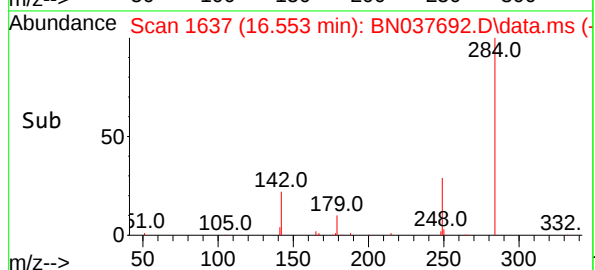
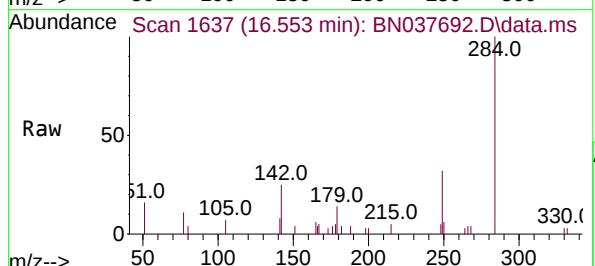
Manual Integrations  
APPROVED

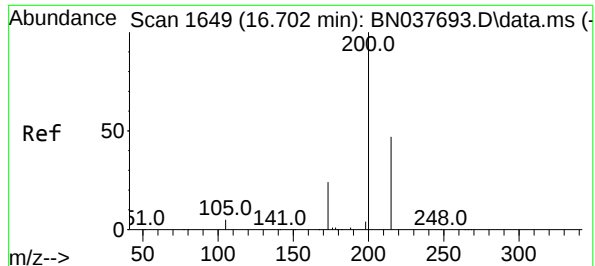
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#22  
Hexachlorobenzene  
Concen: 0.205 ng  
RT: 16.553 min Scan# 1637  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

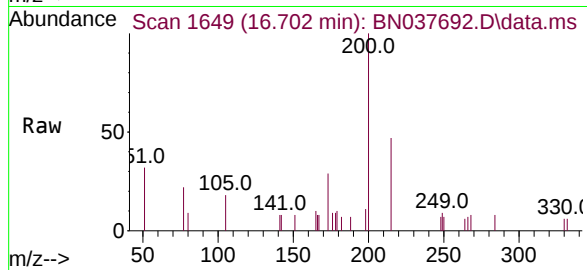
Tgt Ion: 284 Resp: 1906  
Ion Ratio Lower Upper  
284 100  
142 38.4 30.9 46.3  
249 31.4 24.8 37.2





#23  
Atrazine  
Concen: 0.181 ng  
RT: 16.702 min Scan# 1649  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

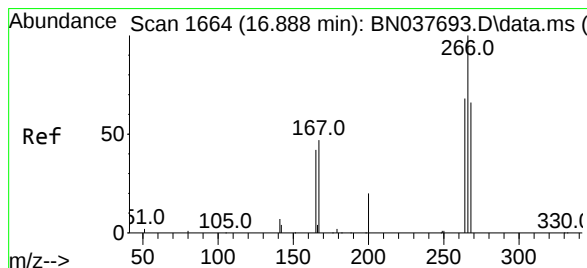
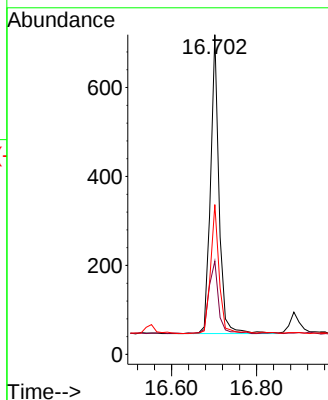
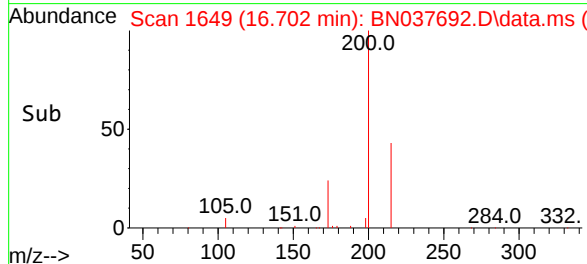
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2



Tgt Ion:200 Resp: 932  
Ion Ratio Lower Upper  
200 100  
173 29.2 21.4 32.2  
215 46.9 39.2 58.8

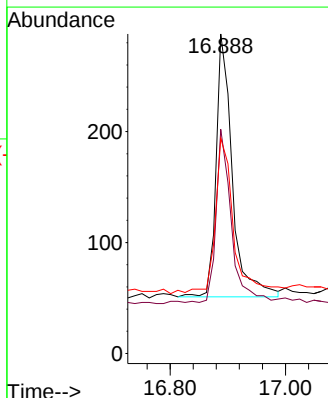
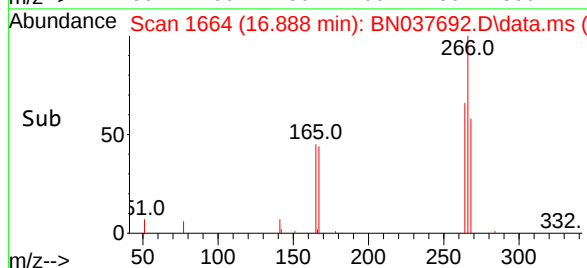
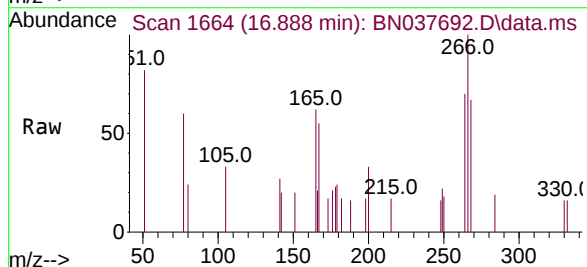
Manual Integrations  
APPROVED

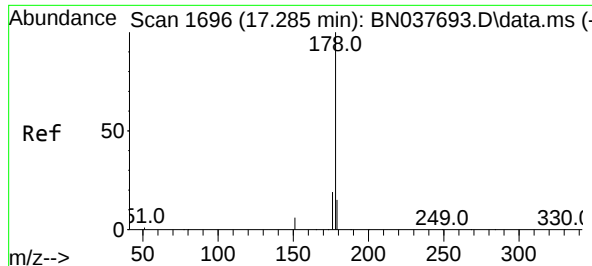
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#24  
Pentachlorophenol  
Concen: 0.171 ng  
RT: 16.888 min Scan# 1664  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

Tgt Ion:266 Resp: 461  
Ion Ratio Lower Upper  
266 100  
264 61.6 51.6 77.4  
268 67.5 53.2 79.8





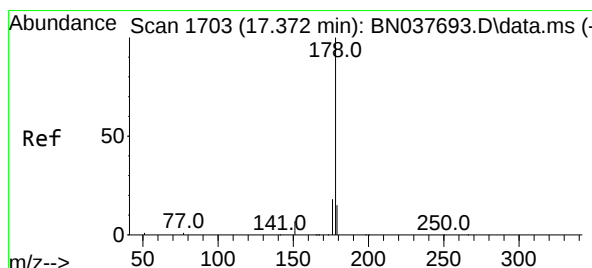
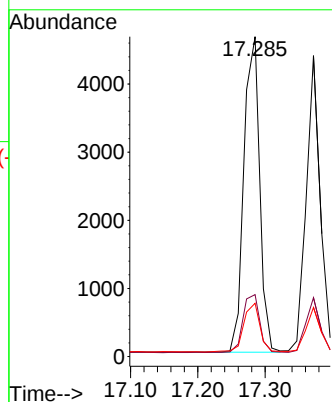
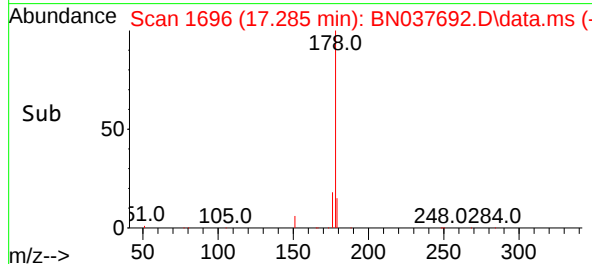
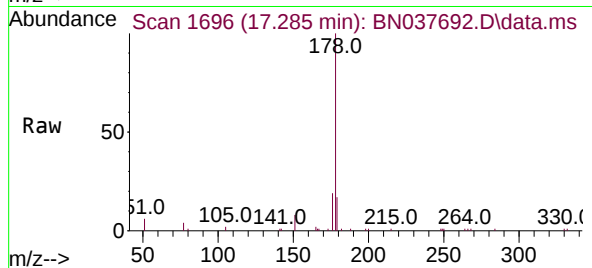
#25  
Phenanthrene  
Concen: 0.193 ng  
RT: 17.285 min Scan# 1696  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.2

Tgt Ion:178 Resp: 7526  
Ion Ratio Lower Upper  
178 100  
176 19.9 15.3 22.9  
179 15.7 12.2 18.2

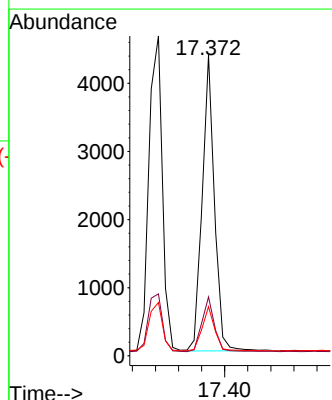
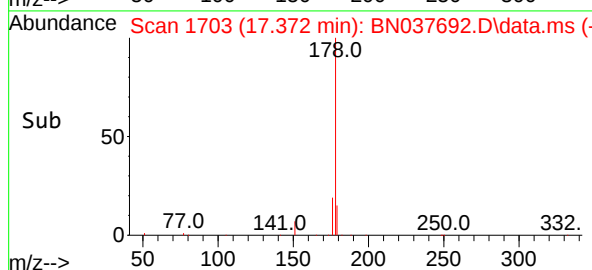
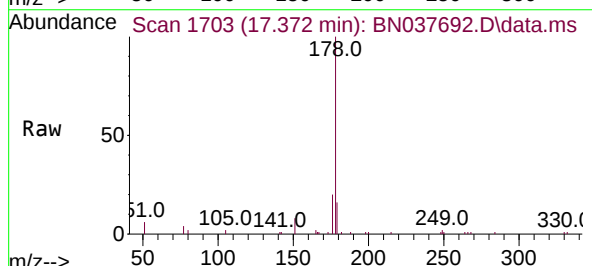
Manual Integrations  
APPROVED

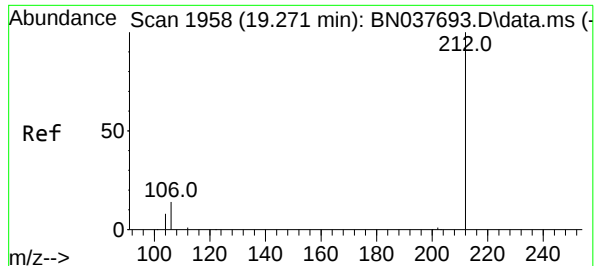
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#26  
Anthracene  
Concen: 0.185 ng  
RT: 17.372 min Scan# 1703  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

Tgt Ion:178 Resp: 6375  
Ion Ratio Lower Upper  
178 100  
176 19.0 14.6 22.0  
179 15.4 12.2 18.4





#27

Fluoranthene-d10

Concen: 0.177 ng

RT: 19.271 min Scan# 1958

Delta R.T. -0.000 min

Lab File: BN037692.D

Acq: 11 Sep 2025 10:32

Instrument :

BNA\_N

ClientSampleId :

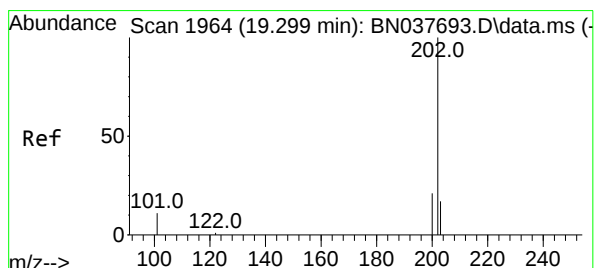
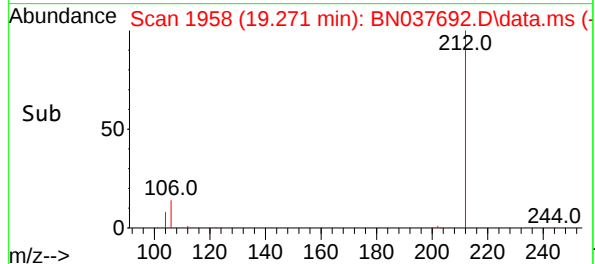
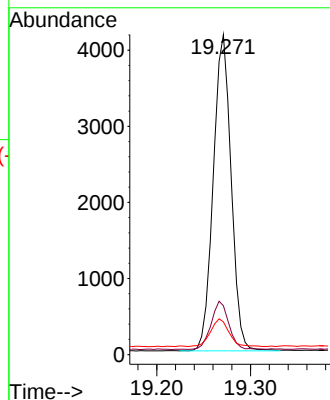
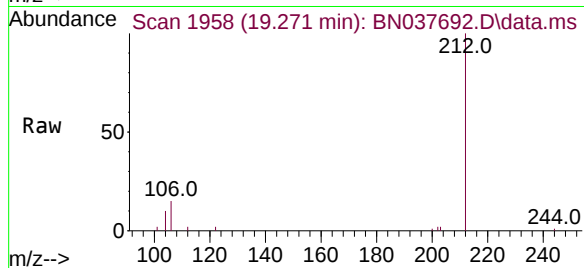
SSTDICC0.2

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 212   | Resp: | 5492 |
| Ion Ratio | Lower | Upper |      |
| 212       | 100   |       |      |
| 106       | 15.4  | 12.2  | 18.2 |
| 104       | 9.0   | 6.9   | 10.3 |

Manual Integrations

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Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#28

Fluoranthene

Concen: 0.177 ng

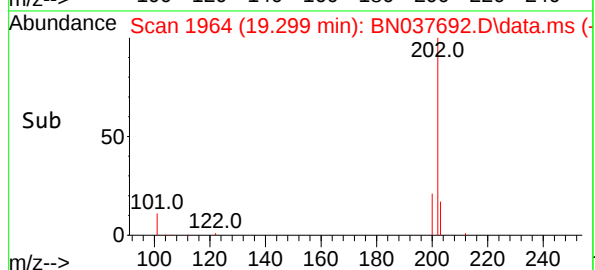
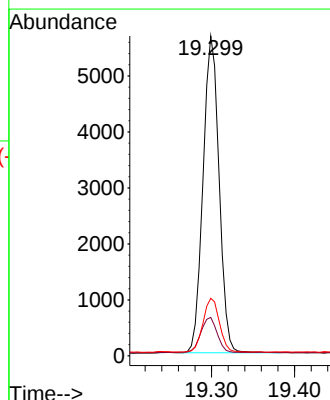
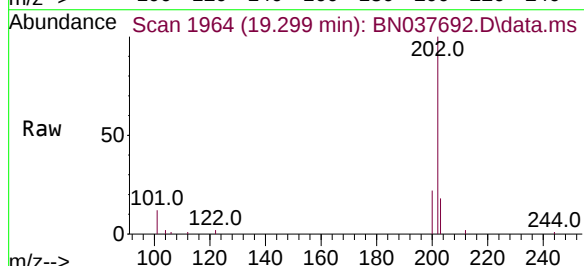
RT: 19.299 min Scan# 1964

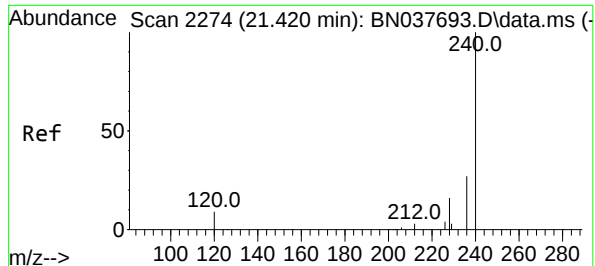
Delta R.T. -0.000 min

Lab File: BN037692.D

Acq: 11 Sep 2025 10:32

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 202   | Resp: | 7577 |
| Ion Ratio | Lower | Upper |      |
| 202       | 100   |       |      |
| 101       | 11.7  | 9.3   | 13.9 |
| 203       | 17.1  | 13.7  | 20.5 |





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.420 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037692.D

Acq: 11 Sep 2025 10:32

Instrument :

BNA\_N

ClientSampleId :

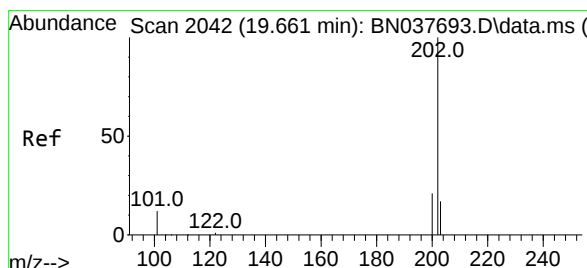
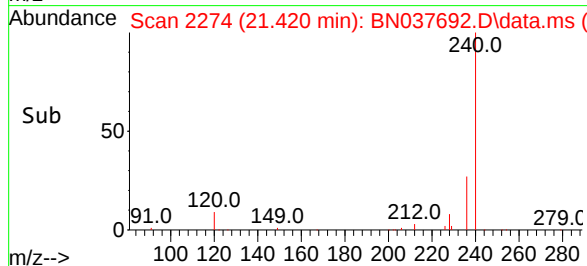
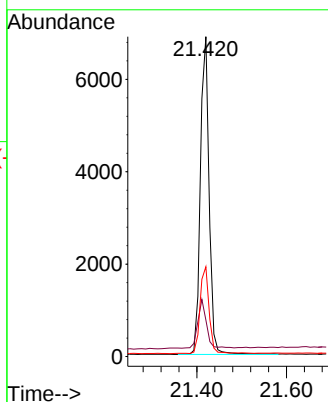
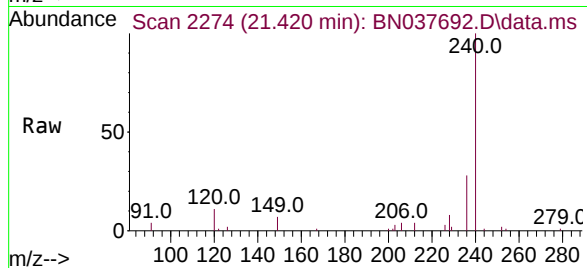
SSTDICC0.2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.4  | 9.2   | 13.8  |
| 236     | 28.1  | 22.6  | 33.8  |

Manual Integrations

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Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025



#30

Pyrene

Concen: 0.207 ng

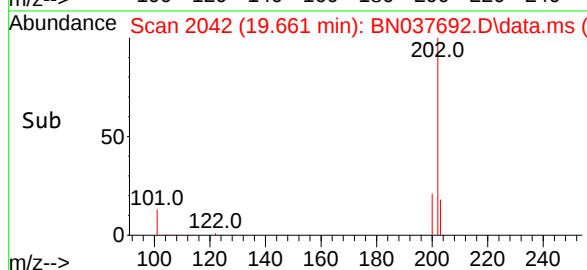
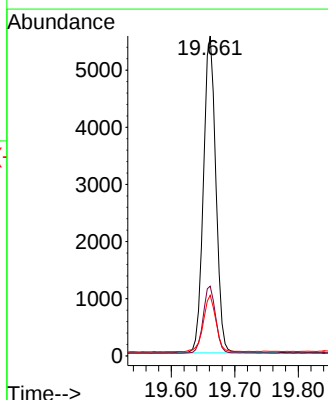
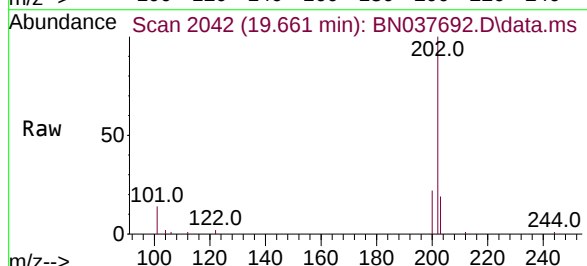
RT: 19.661 min Scan# 2042

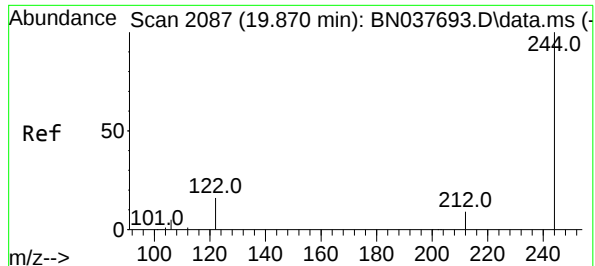
Delta R.T. -0.000 min

Lab File: BN037692.D

Acq: 11 Sep 2025 10:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.2  | 16.8  | 25.2  |
| 203     | 18.3  | 14.3  | 21.5  |





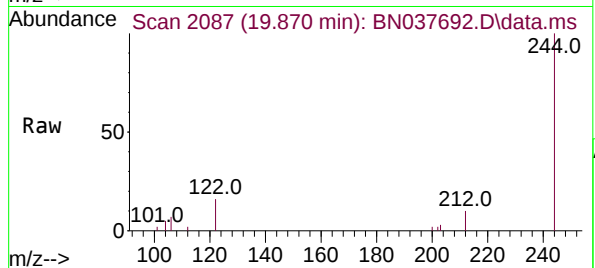
#31  
Terphenyl-d14  
Concen: 0.205 ng  
RT: 19.870 min Scan# 2087  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.2

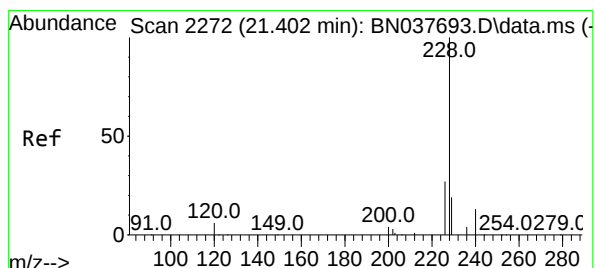
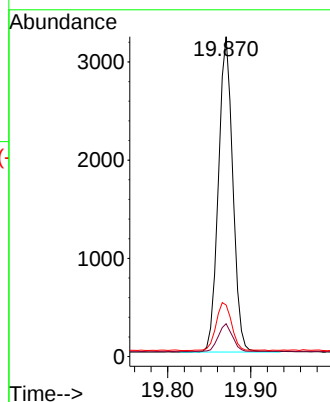
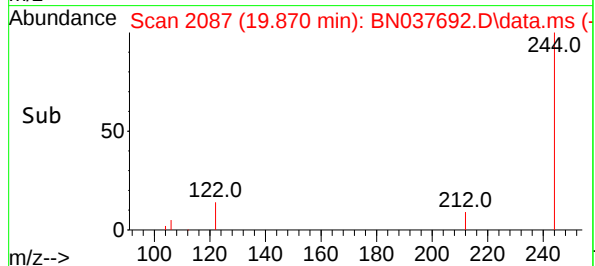


Tgt Ion:244 Resp: 3884  
Ion Ratio Lower Upper  
244 100  
212 10.3 7.5 11.3  
122 16.1 13.2 19.8

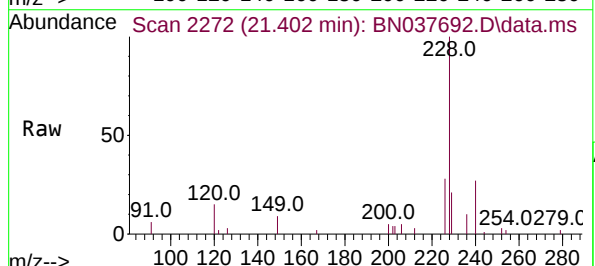
Manual Integrations

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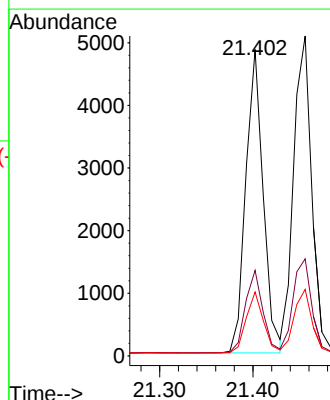
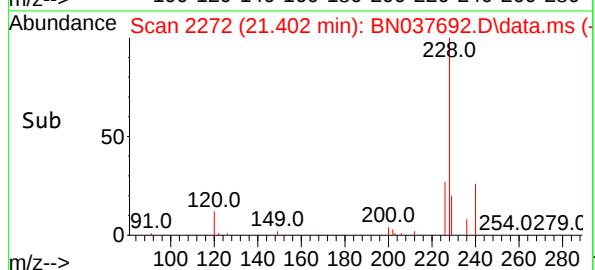
Reviewed By :Rahul Chavli 09/12/2025  
Supervised By :Jagrut Upadhyay 09/12/2025

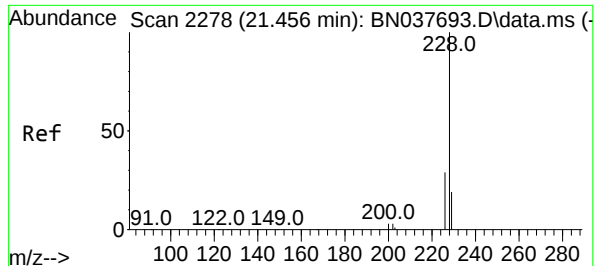


#32  
Benzo(a)anthracene  
Concen: 0.193 ng  
RT: 21.402 min Scan# 2272  
Delta R.T. -0.000 min  
Lab File: BN037692.D  
Acq: 11 Sep 2025 10:32



Tgt Ion:228 Resp: 6270  
Ion Ratio Lower Upper  
228 100  
226 27.9 22.2 33.2  
229 20.8 15.8 23.6





#33

Chrysene

Concen: 0.199 ng

RT: 21.456 min Scan# 2278

Delta R.T. -0.000 min

Lab File: BN037692.D

Acq: 11 Sep 2025 10:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.2

Tgt Ion:228 Resp: 6953

Ion Ratio Lower Upper

228 100

226 30.3 23.5 35.3

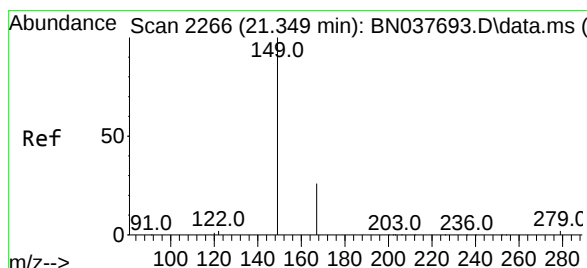
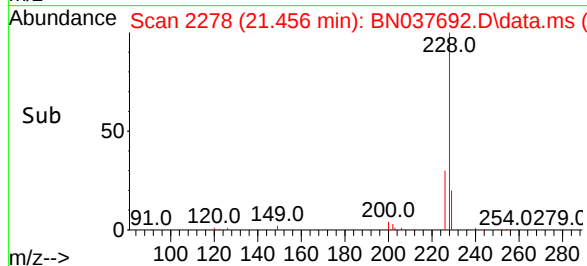
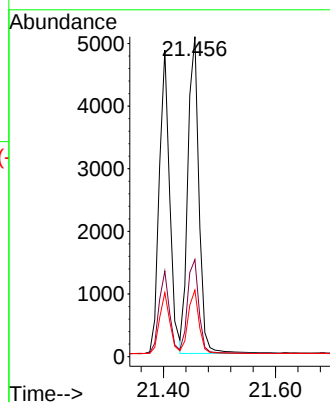
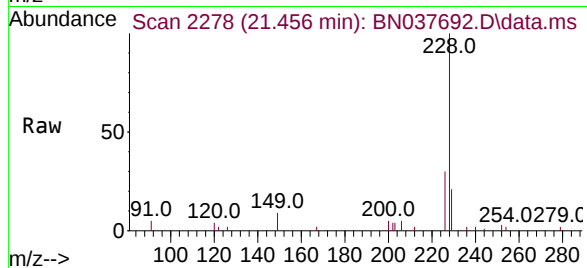
229 20.8 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.213 ng

RT: 21.348 min Scan# 2266

Delta R.T. -0.000 min

Lab File: BN037692.D

Acq: 11 Sep 2025 10:32

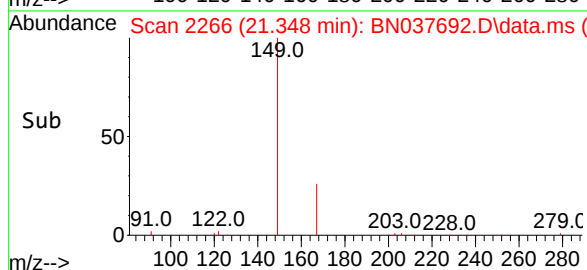
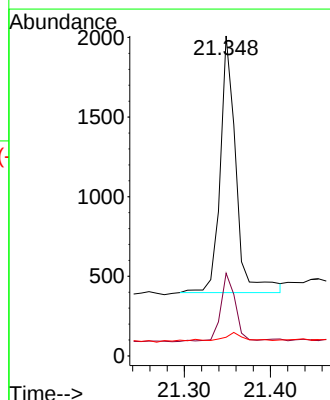
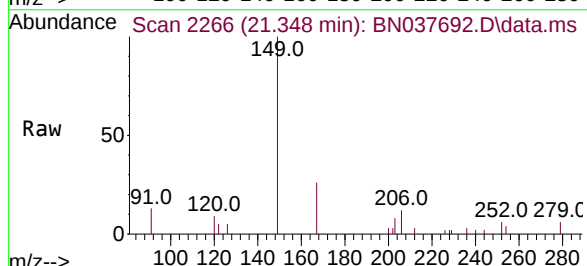
Tgt Ion:149 Resp: 2049

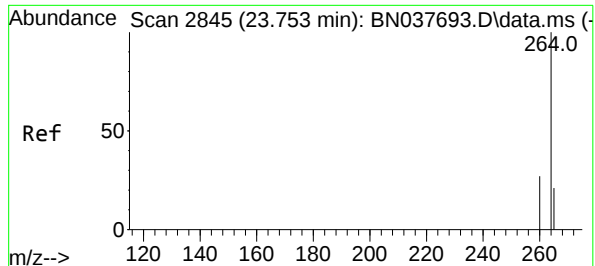
Ion Ratio Lower Upper

149 100

167 24.7 20.8 31.2

279 3.1 3.3 4.9#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.753 min Scan# 2845

Delta R.T. -0.000 min

Lab File: BN037692.D

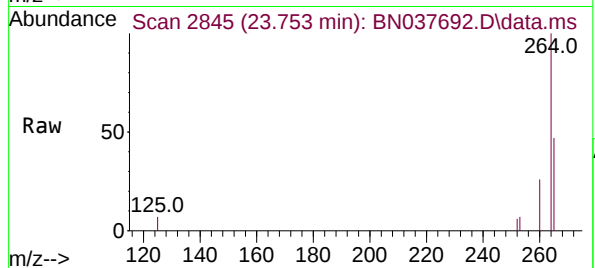
Acq: 11 Sep 2025 10:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.2



Tgt Ion:264 Resp: 9364

Ion Ratio Lower Upper

264 100

260 26.0 21.8 32.8

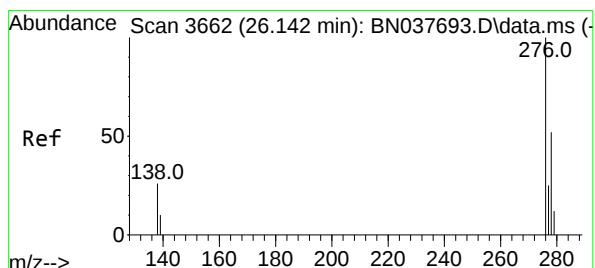
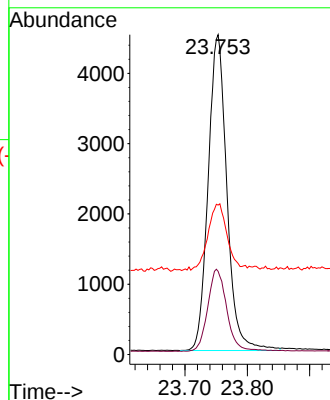
265 46.7 39.4 59.2

Manual Integrations

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Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.177 ng

RT: 26.142 min Scan# 3662

Delta R.T. -0.000 min

Lab File: BN037692.D

Acq: 11 Sep 2025 10:32

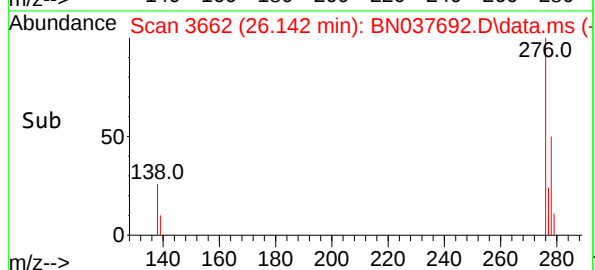
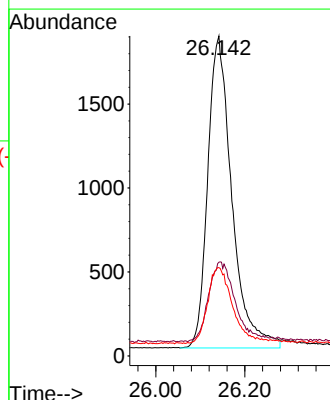
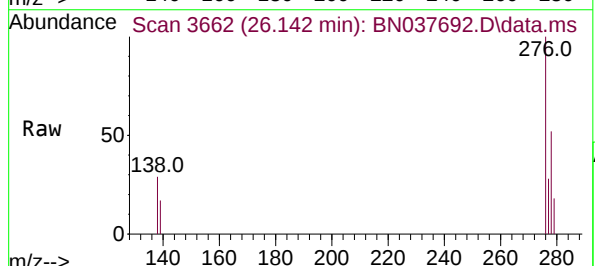
Tgt Ion:276 Resp: 6982

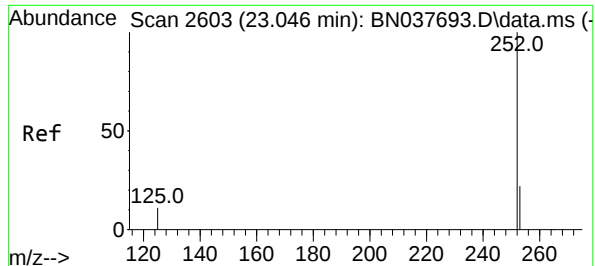
Ion Ratio Lower Upper

276 100

138 28.1 21.9 32.9

277 24.6 20.1 30.1





#37

Benzo(b)fluoranthene

Concen: 0.187 ng

RT: 23.046 min Scan# 2603

Delta R.T. -0.000 min

Lab File: BN037692.D

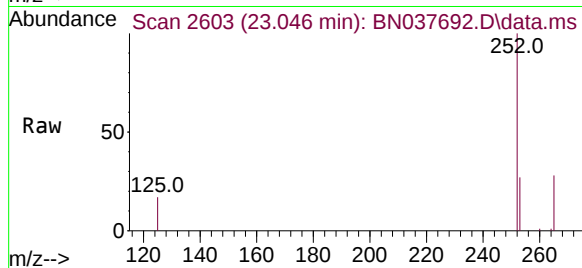
Acq: 11 Sep 2025 10:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.2



Tgt Ion:252 Resp: 6907

Ion Ratio Lower Upper

252 100

253 27.3 19.4 29.2

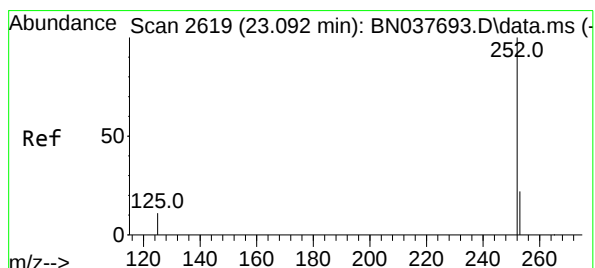
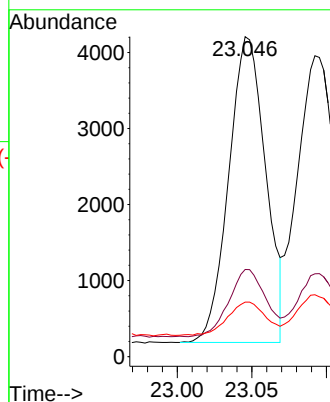
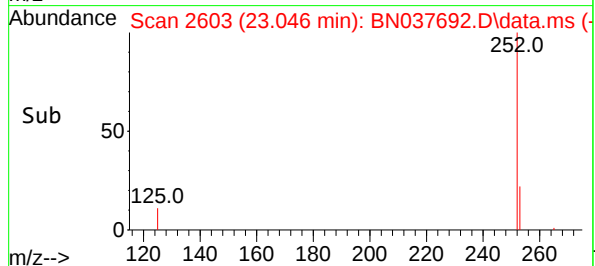
125 17.0 11.2 16.8

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#38

Benzo(k)fluoranthene

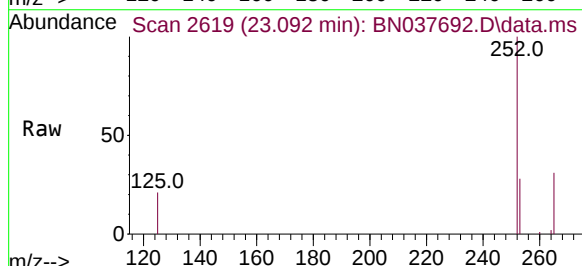
Concen: 0.192 ng m

RT: 23.092 min Scan# 2619

Delta R.T. -0.000 min

Lab File: BN037692.D

Acq: 11 Sep 2025 10:32



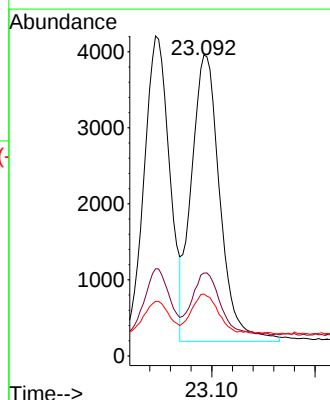
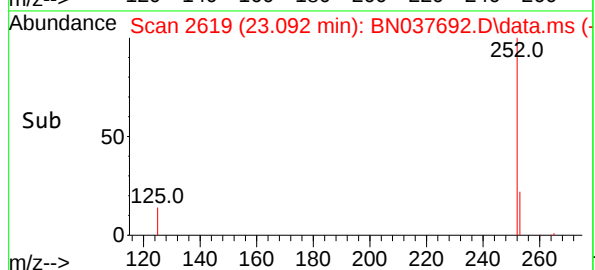
Tgt Ion:252 Resp: 7226

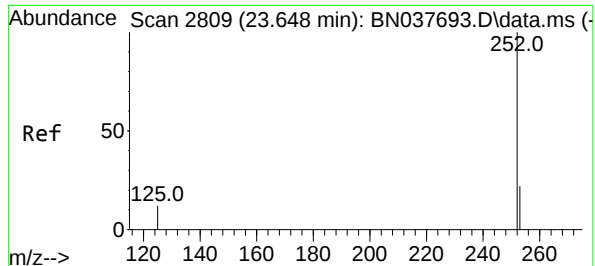
Ion Ratio Lower Upper

252 100

253 27.5 19.4 29.0

125 20.6 11.6 17.4#





#39

Benzo(a)pyrene

Concen: 0.186 ng

RT: 23.651 min Scan# 2809

Delta R.T. 0.003 min

Lab File: BN037692.D

Acq: 11 Sep 2025 10:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.2

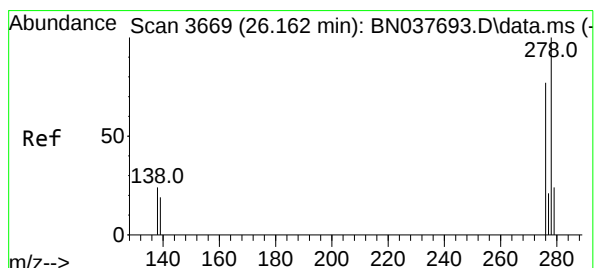
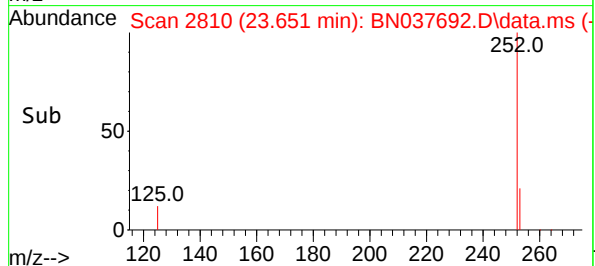
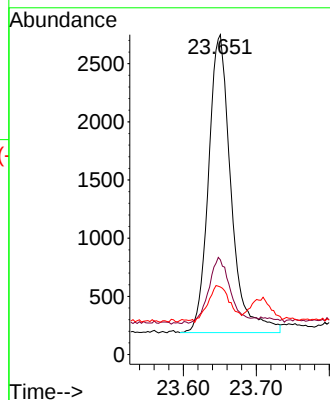
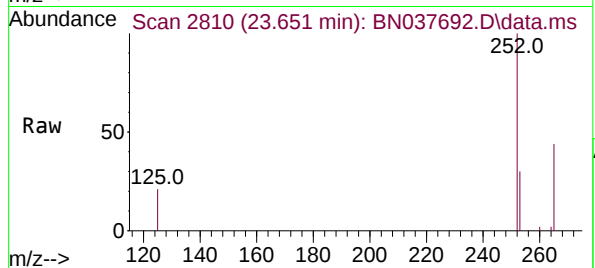
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 5489  |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 29.6  | 20.8  | 31.2  |
| 125      | 21.1  | 13.9  | 20.9  |

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.175 ng

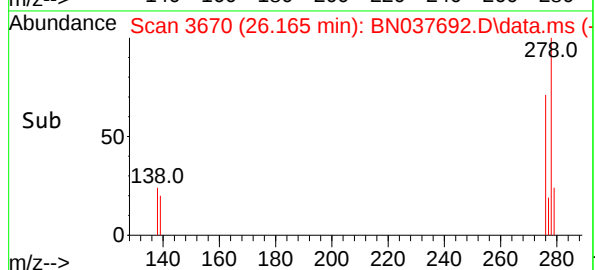
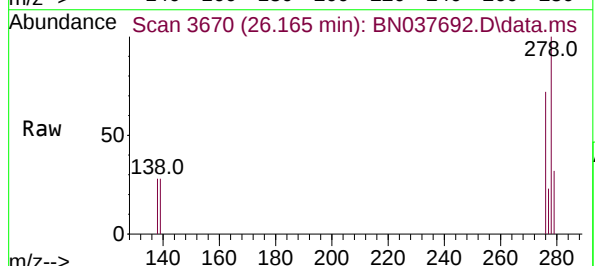
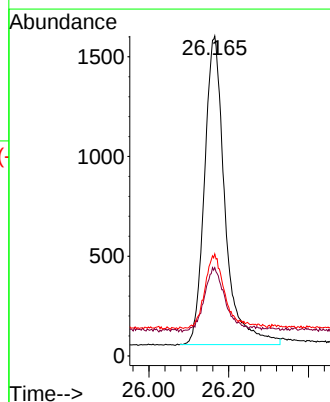
RT: 26.165 min Scan# 3670

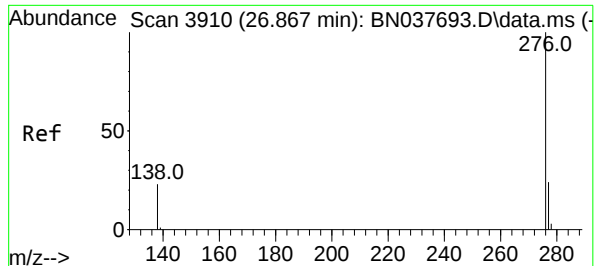
Delta R.T. 0.003 min

Lab File: BN037692.D

Acq: 11 Sep 2025 10:32

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 278   | Resp: | 5503  |
| Ion      | Ratio | Lower | Upper |
| 278      | 100   |       |       |
| 139      | 27.6  | 17.8  | 26.6  |
| 279      | 31.9  | 22.0  | 33.0  |





#41

Benzo(g,h,i)perylene

Concen: 0.186 ng

RT: 26.864 min Scan# 39

Delta R.T. -0.003 min

Lab File: BN037692.D

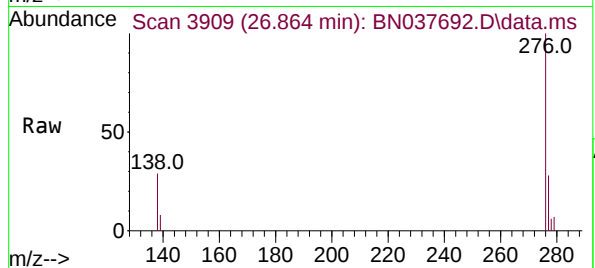
Acq: 11 Sep 2025 10:32

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.2



Tgt Ion:276 Resp: 6566

Ion Ratio Lower Upper

276 100

277 27.6 20.6 31.0

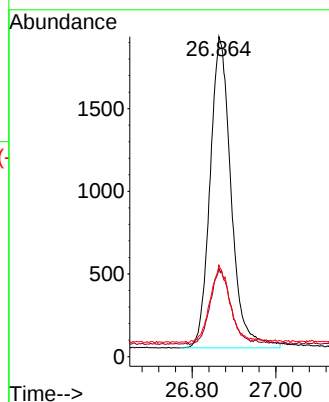
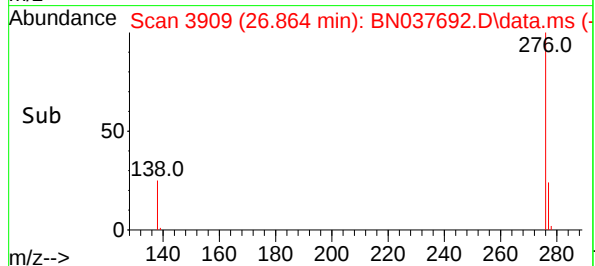
138 28.6 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
 Data File : BN037693.D  
 Acq On : 11 Sep 2025 11:08  
 Operator : RC/JU  
 Sample : SSTDICCC0.4  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICCC0.4

Quant Time: Sep 11 14:06:04 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:02:44 2025  
 Response via : Initial Calibration

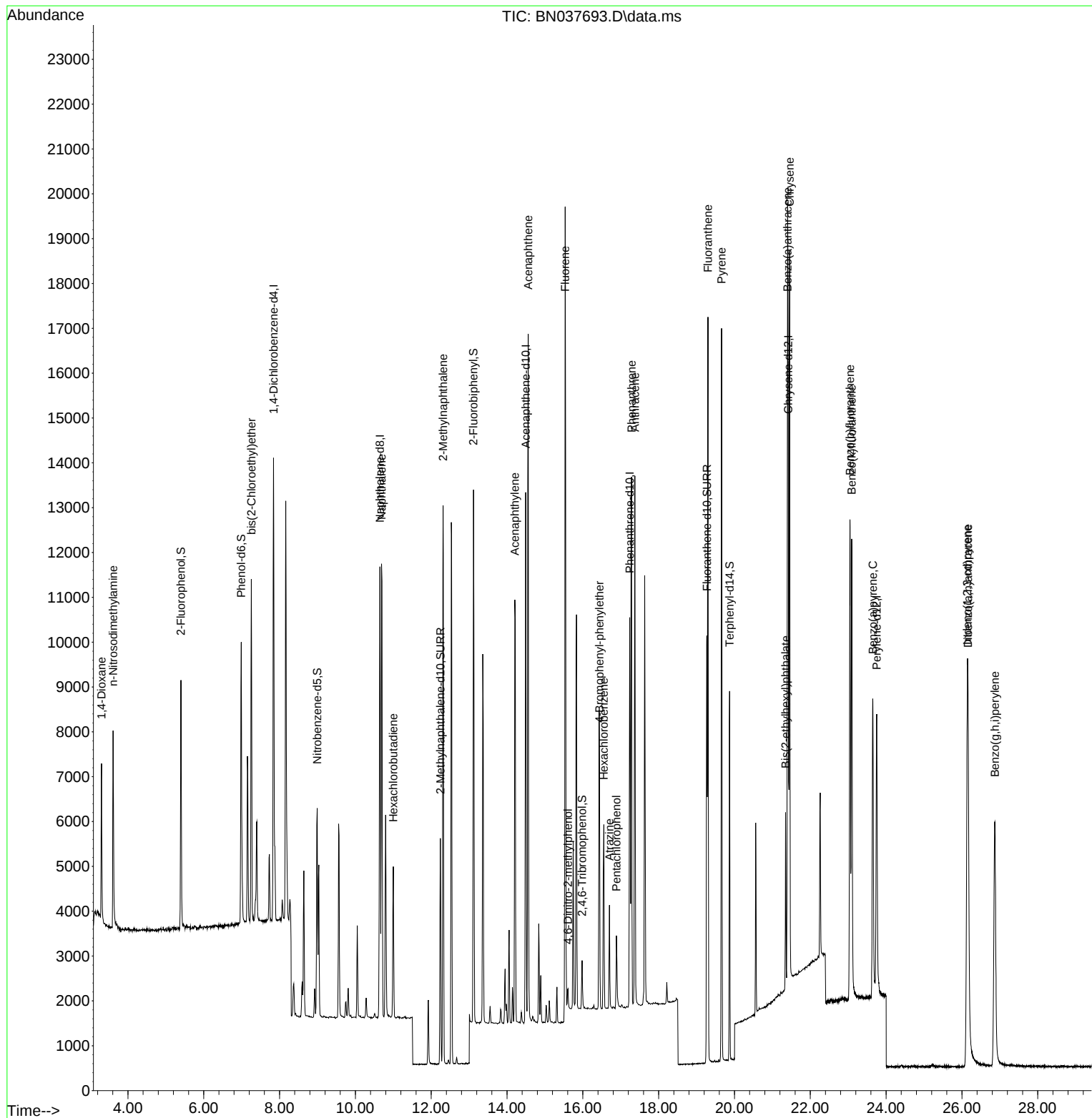
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.840  | 152  | 4992     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.648 | 136  | 13249    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.495 | 164  | 6204     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.235 | 188  | 11263    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.420 | 240  | 9368     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.753 | 264  | 8965     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.399  | 112  | 4452     | 0.388 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.988  | 99   | 5771     | 0.388 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.993  | 82   | 3770     | 0.389 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.243 | 152  | 6602     | 0.376 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.982 | 330  | 625      | 0.386 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.115 | 172  | 10228    | 0.394 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.271 | 212  | 10530    | 0.372 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.870 | 244  | 7507     | 0.395 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.304  | 88   | 2106     | 0.405 | ng    | 100      |
| 3) n-Nitrosodimethylamine     | 3.608  | 42   | 2814     | 0.414 | ng    | 99       |
| 6) bis(2-Chloroethyl)ether    | 7.255  | 93   | 5343     | 0.402 | ng    | 100      |
| 9) Naphthalene                | 10.690 | 128  | 14229    | 0.393 | ng    | 100      |
| 10) Hexachlorobutadiene       | 11.000 | 225  | 2615     | 0.399 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.314 | 142  | 8728     | 0.390 | ng    | 100      |
| 16) Acenaphthylene            | 14.206 | 152  | 11064    | 0.389 | ng    | 100      |
| 17) Acenaphthene              | 14.559 | 154  | 7540     | 0.392 | ng    | 100      |
| 18) Fluorene                  | 15.535 | 166  | 8938     | 0.384 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.609 | 198  | 372      | 0.357 | ng    | 100      |
| 21) 4-Bromophenyl-phenylether | 16.441 | 248  | 2827     | 0.385 | ng    | 100      |
| 22) Hexachlorobenzene         | 16.553 | 284  | 3312     | 0.392 | ng    | 100      |
| 23) Atrazine                  | 16.702 | 200  | 1707     | 0.365 | ng    | 100      |
| 24) Pentachlorophenol         | 16.888 | 266  | 839      | 0.342 | ng    | 100      |
| 25) Phenanthrene              | 17.285 | 178  | 13778    | 0.389 | ng    | 100      |
| 26) Anthracene                | 17.372 | 178  | 12049    | 0.384 | ng    | 100      |
| 28) Fluoranthene              | 19.299 | 202  | 14751    | 0.379 | ng    | 100      |
| 30) Pyrene                    | 19.661 | 202  | 14587    | 0.398 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.402 | 228  | 12621    | 0.386 | ng    | 100      |
| 33) Chrysene                  | 21.456 | 228  | 14018    | 0.400 | ng    | 100      |
| 34) Bis(2-ethylhexyl)phtha... | 21.349 | 149  | 3520     | 0.363 | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 26.142 | 276  | 13835    | 0.367 | ng    | 100      |
| 37) Benzo(b)fluoranthene      | 23.046 | 252  | 13935    | 0.395 | ng    | 100      |
| 38) Benzo(k)fluoranthene      | 23.092 | 252  | 13659    | 0.379 | ng    | 100      |
| 39) Benzo(a)pyrene            | 23.648 | 252  | 10766    | 0.381 | ng    | 100      |
| 40) Dibenzo(a,h)anthracene    | 26.162 | 278  | 10852    | 0.361 | ng    | 100      |
| 41) Benzo(g,h,i)perylene      | 26.867 | 276  | 13009    | 0.385 | ng    | 100      |
| -----                         |        |      |          |       |       |          |

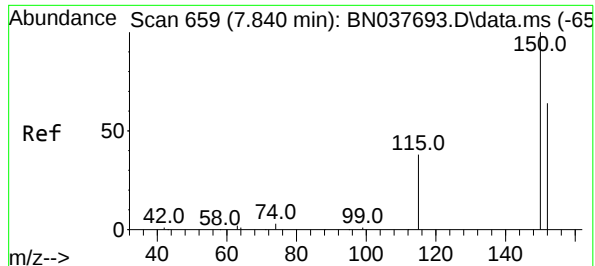
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
Data File : BN037693.D  
Acq On : 11 Sep 2025 11:08  
Operator : RC/JU  
Sample : SSTDICCC0.4  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

Quant Time: Sep 11 14:06:04 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 11 14:02:44 2025  
Response via : Initial Calibration

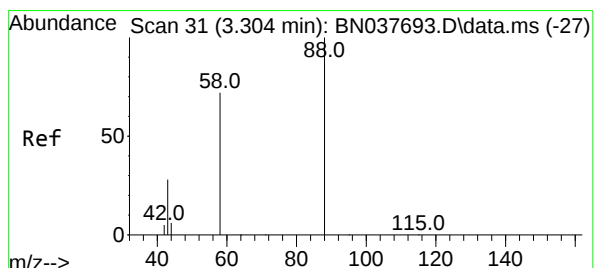
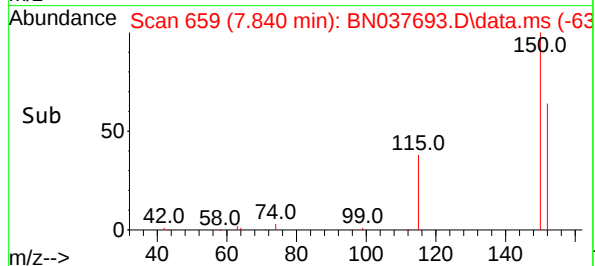
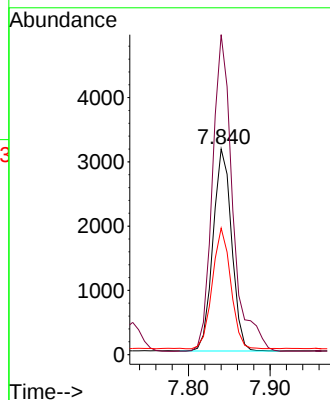
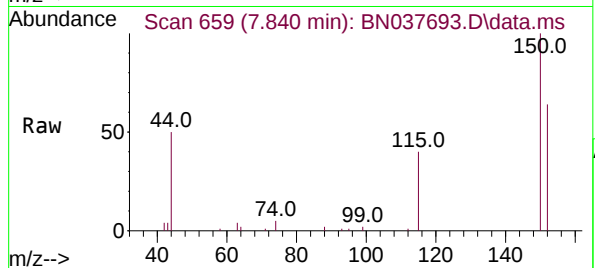




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.840 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

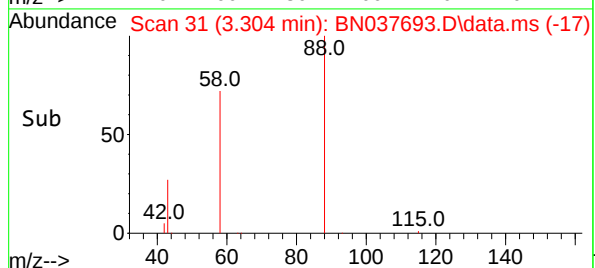
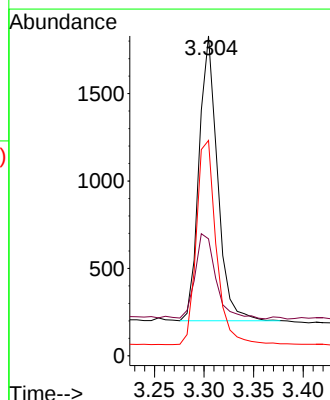
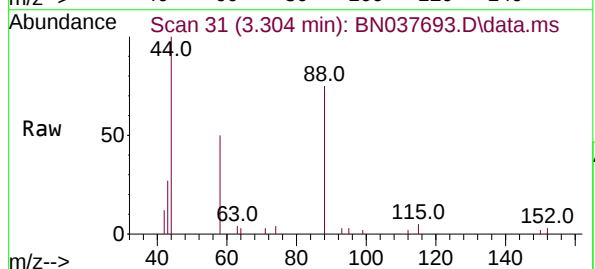
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

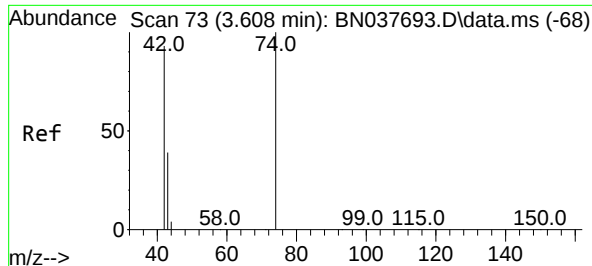
Tgt Ion:152 Resp: 4992  
Ion Ratio Lower Upper  
152 100  
150 155.6 124.5 186.7  
115 61.5 49.2 73.8



#2  
1,4-Dioxane  
Concen: 0.405 ng  
RT: 3.304 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

Tgt Ion: 88 Resp: 2106  
Ion Ratio Lower Upper  
88 100  
43 33.5 26.8 40.2  
58 77.6 61.9 92.9

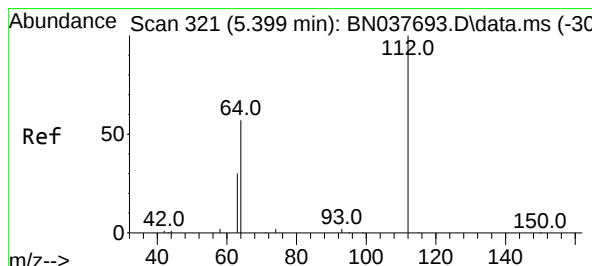
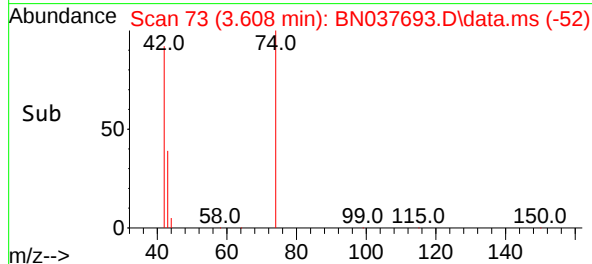
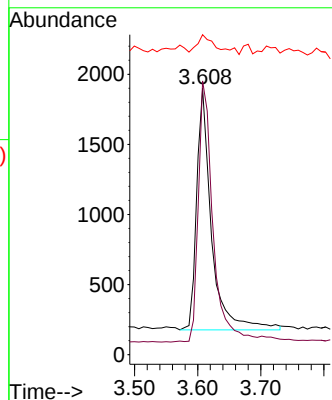
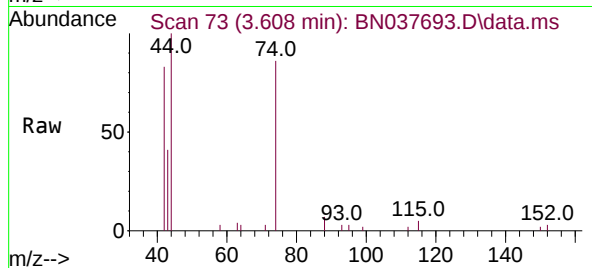




#3  
n-Nitrosodimethylamine  
Concen: 0.414 ng  
RT: 3.608 min Scan# 73  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

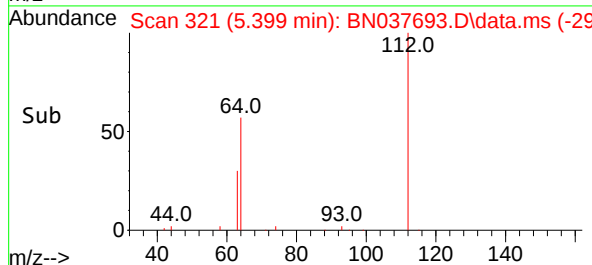
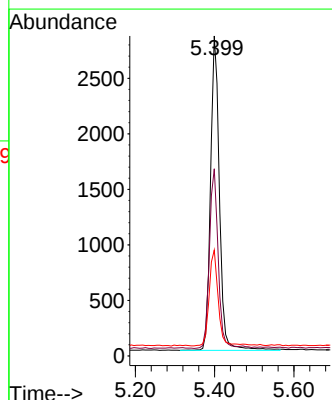
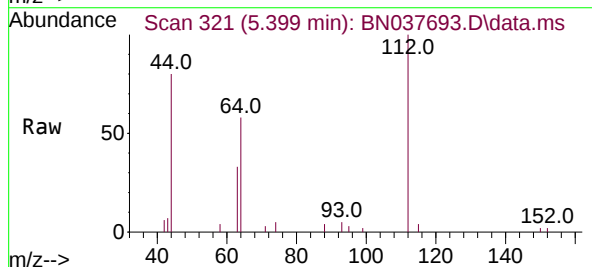
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

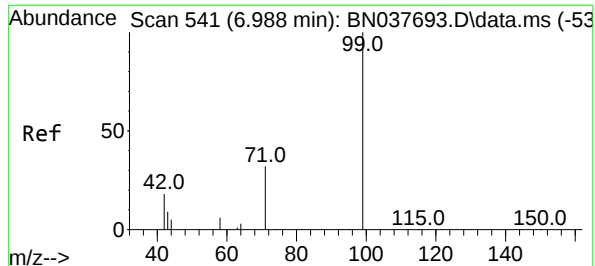
Tgt Ion: 42 Resp: 2814  
Ion Ratio Lower Upper  
42 100  
74 106.5 86.0 129.0  
44 10.4 8.4 12.6



#4  
2-Fluorophenol  
Concen: 0.388 ng  
RT: 5.399 min Scan# 321  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

Tgt Ion: 112 Resp: 4452  
Ion Ratio Lower Upper  
112 100  
64 56.1 44.9 67.3  
63 30.9 24.7 37.1

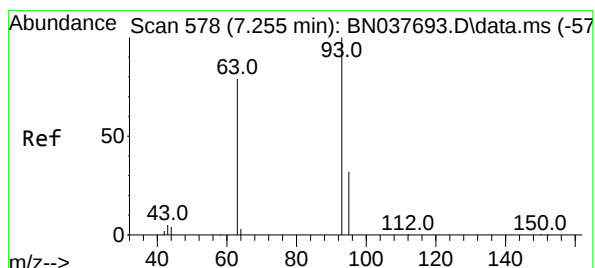
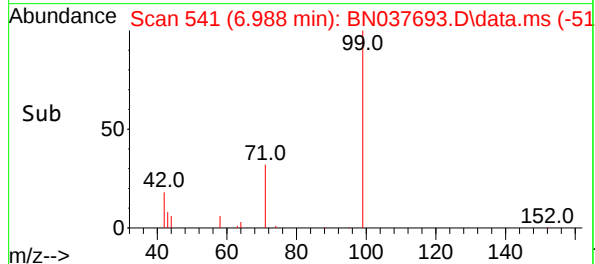
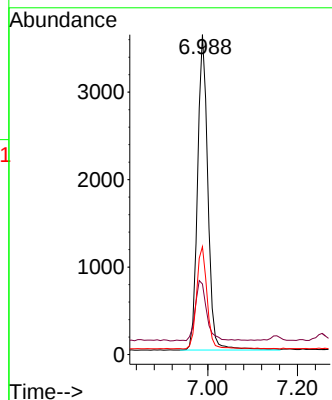
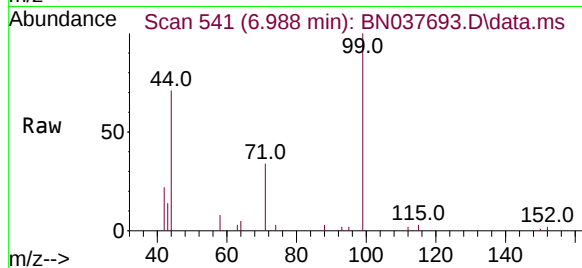




#5  
Phenol-d6  
Concen: 0.388 ng  
RT: 6.988 min Scan# 541  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

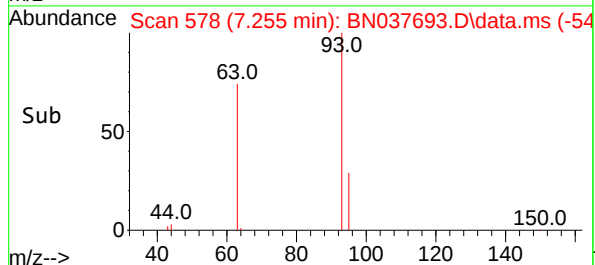
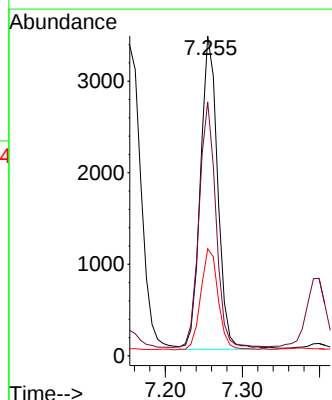
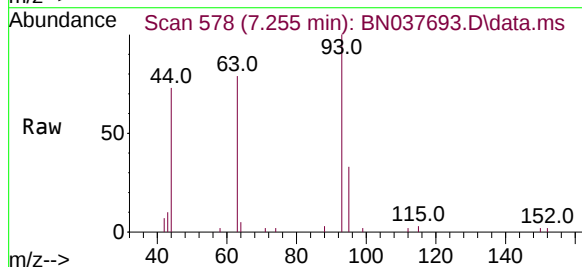
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

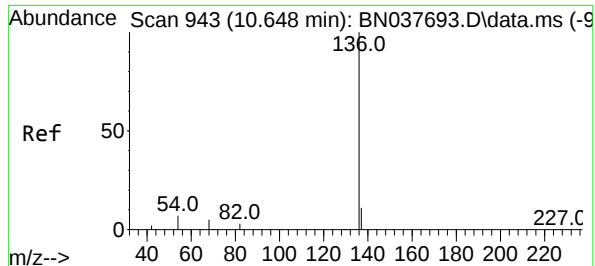
Tgt Ion: 99 Resp: 5771  
Ion Ratio Lower Upper  
99 100  
42 20.7 16.6 24.8  
71 33.4 26.7 40.1



#6  
bis(2-Chloroethyl)ether  
Concen: 0.402 ng  
RT: 7.255 min Scan# 578  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

Tgt Ion: 93 Resp: 5343  
Ion Ratio Lower Upper  
93 100  
63 75.7 60.6 90.8  
95 32.5 26.0 39.0

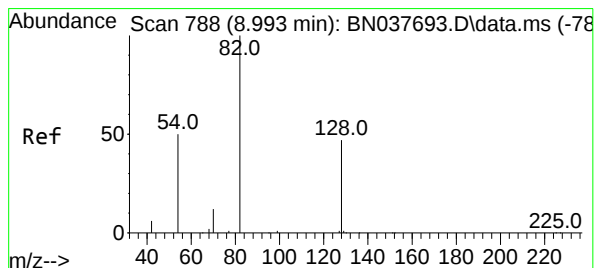
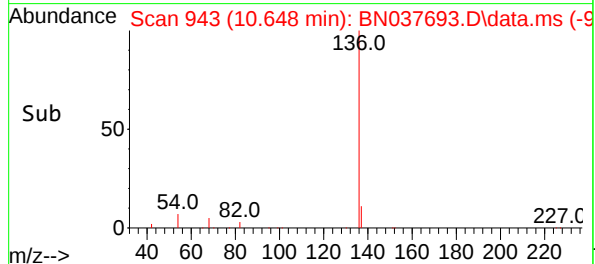
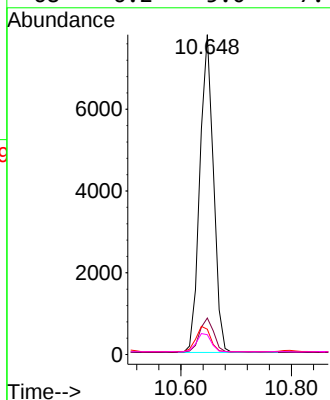
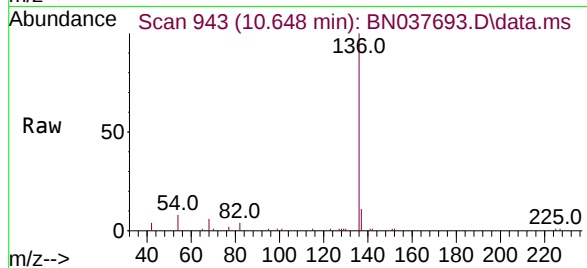




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.648 min Scan# 94  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

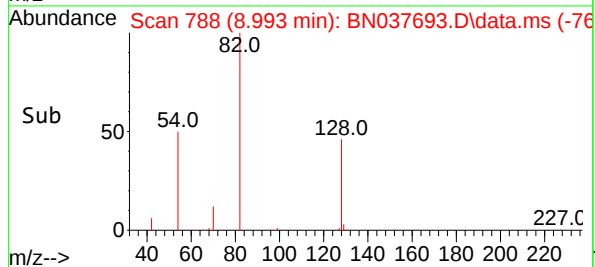
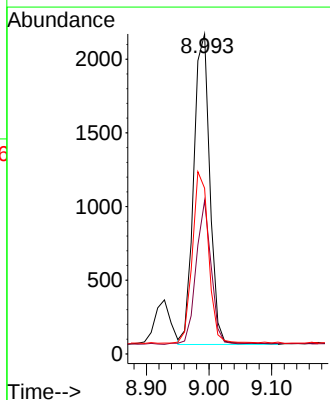
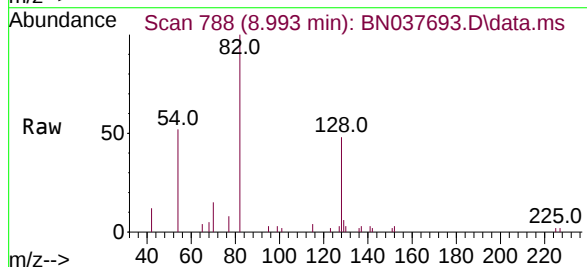
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

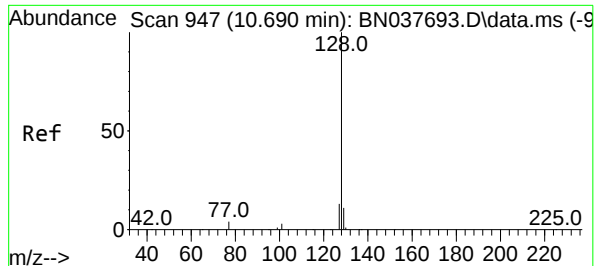
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 13249 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.4  | 9.1   | 13.7  |
| 54       | 7.9   | 6.3   | 9.5   |
| 68       | 6.2   | 5.0   | 7.4   |



#8  
Nitrobenzene-d5  
Concen: 0.389 ng  
RT: 8.993 min Scan# 788  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 3770  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 47.9  | 38.3  | 57.5  |
| 54       | 51.8  | 41.4  | 62.2  |

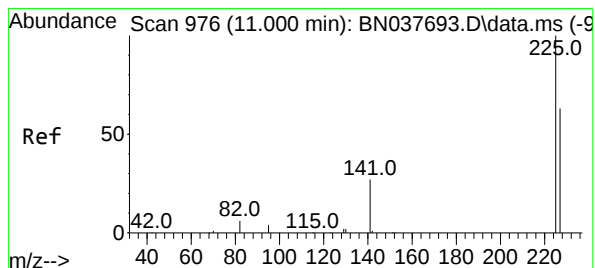
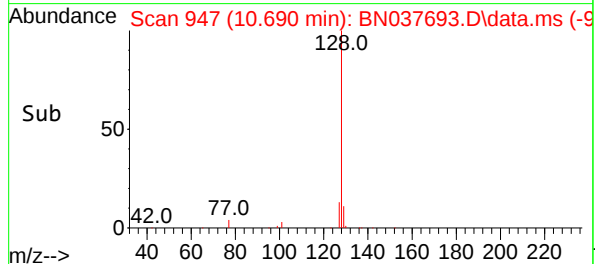
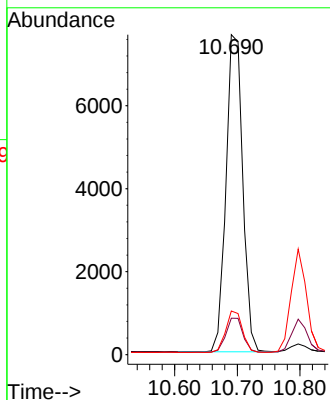
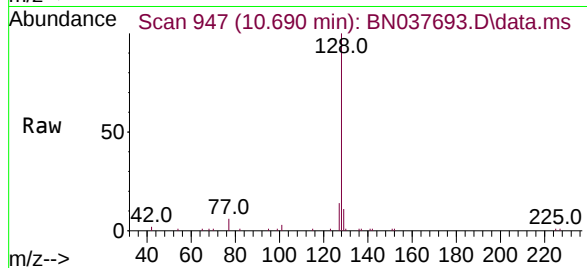




#9  
Naphthalene  
Concen: 0.393 ng  
RT: 10.690 min Scan# 947  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

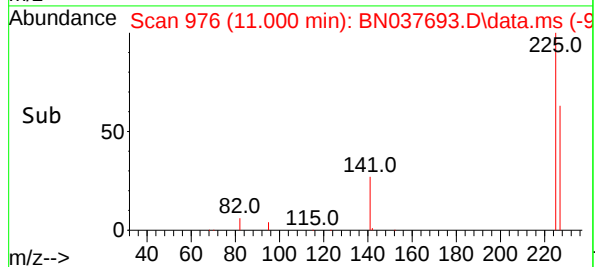
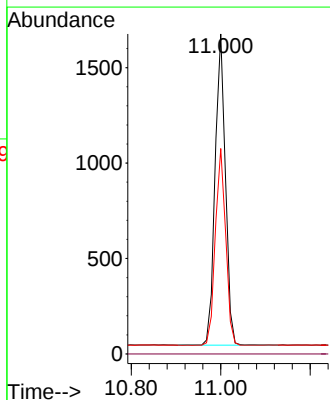
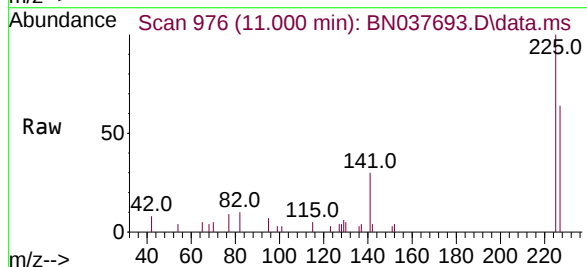
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

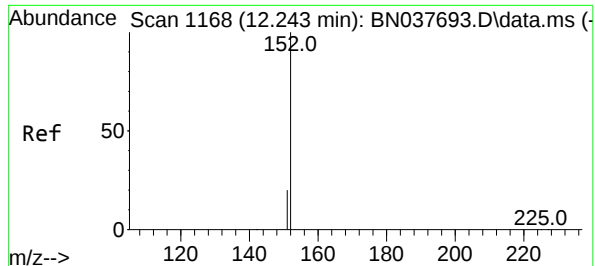
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 14229 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 129      | 11.4  | 9.1   | 13.7  |
| 127      | 13.6  | 10.9  | 16.3  |



#10  
Hexachlorobutadiene  
Concen: 0.399 ng  
RT: 11.000 min Scan# 976  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 2615  |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 0.0   | 0.0   | 0.0   |
| 227      | 63.6  | 50.9  | 76.3  |

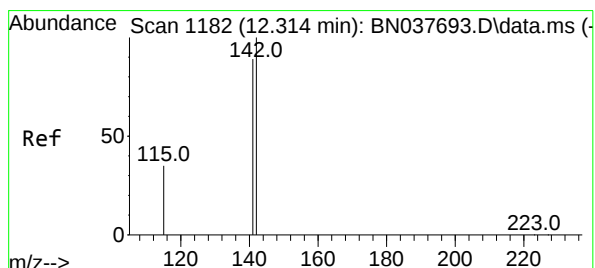
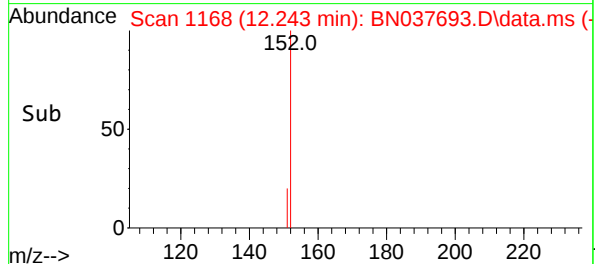
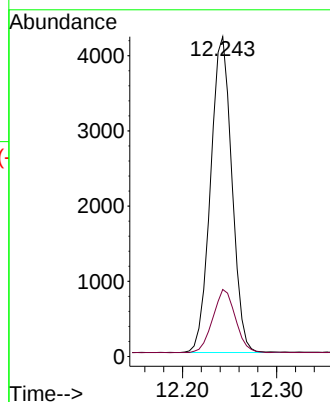
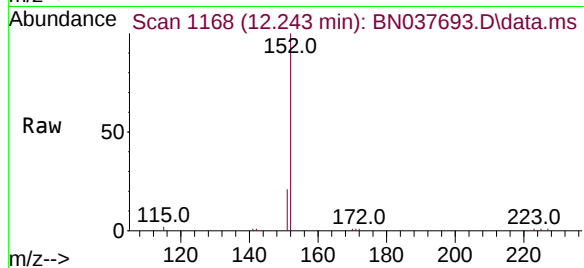




#11  
2-Methylnaphthalene-d10  
Concen: 0.376 ng  
RT: 12.243 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

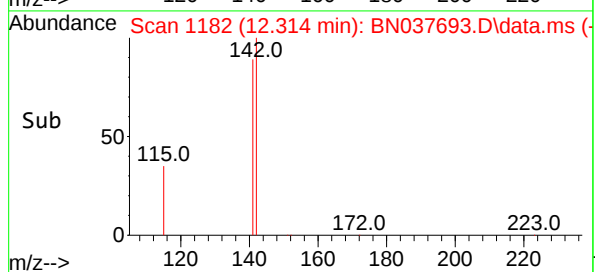
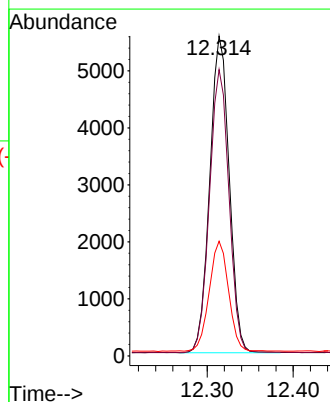
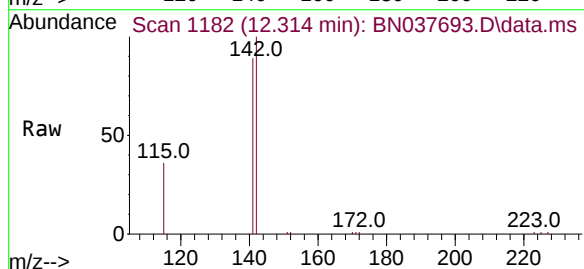
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

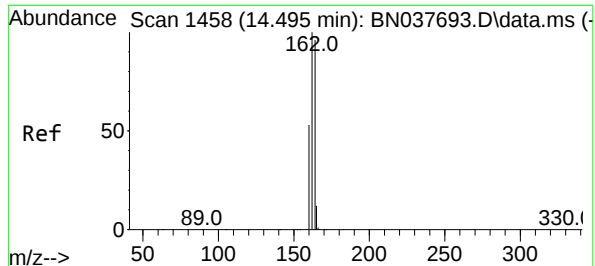
Tgt Ion:152 Resp: 6602  
Ion Ratio Lower Upper  
152 100  
151 21.3 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 0.390 ng  
RT: 12.314 min Scan# 1182  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

Tgt Ion:142 Resp: 8728  
Ion Ratio Lower Upper  
142 100  
141 89.5 71.6 107.4  
115 35.8 28.6 43.0

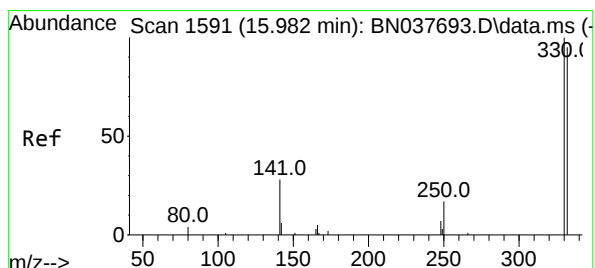
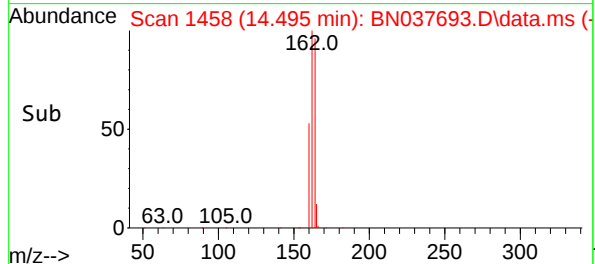
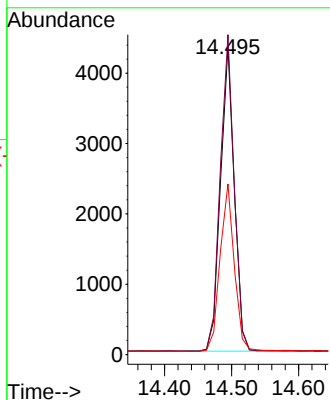
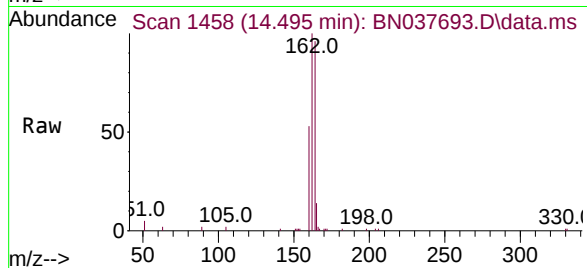




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.495 min Scan# 1458  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

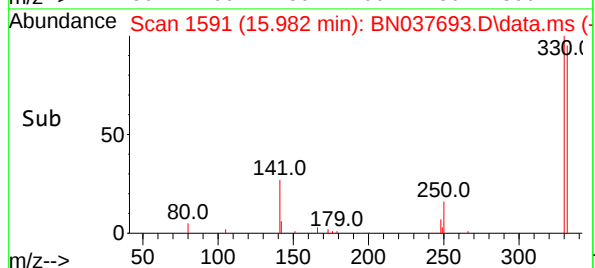
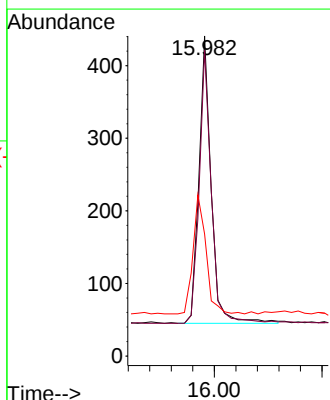
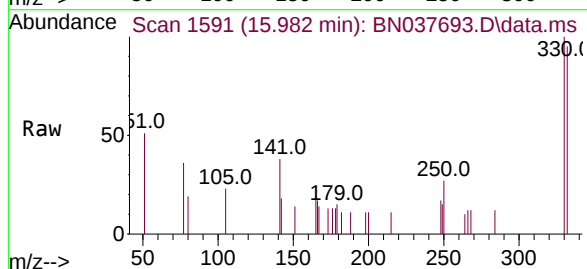
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

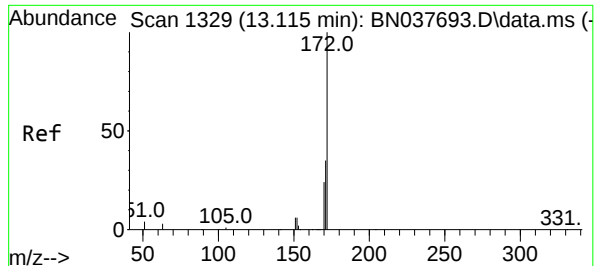
| Tgt Ion | 164   | Resp: | 6204  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 164     | 100   |       |       |
| 162     | 103.9 | 83.1  | 124.7 |
| 160     | 55.4  | 44.3  | 66.5  |



#14  
2,4,6-Tribromophenol  
Concen: 0.386 ng  
RT: 15.982 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

| Tgt Ion | 330   | Resp: | 625   |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 330     | 100   |       |       |
| 332     | 94.1  | 75.3  | 112.9 |
| 141     | 43.7  | 35.0  | 52.4  |





#15

2-Fluorobiphenyl

Concen: 0.394 ng

RT: 13.115 min Scan# 1329

Delta R.T. 0.000 min

Lab File: BN037693.D

Acq: 11 Sep 2025 11:08

Instrument :

BNA\_N

ClientSampleId :

SSTDICCC0.4

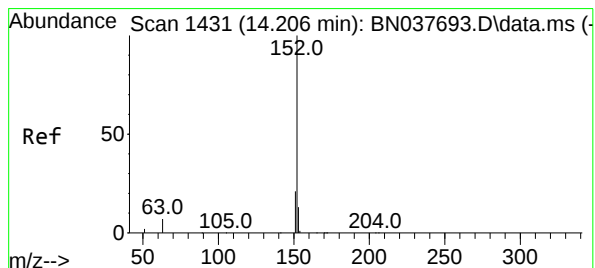
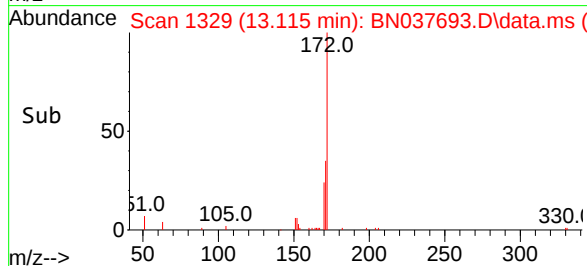
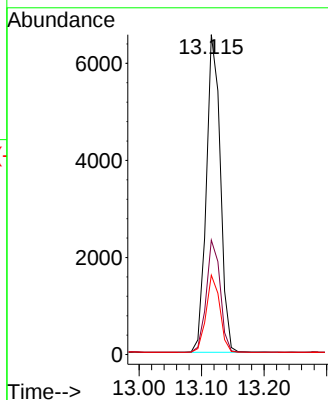
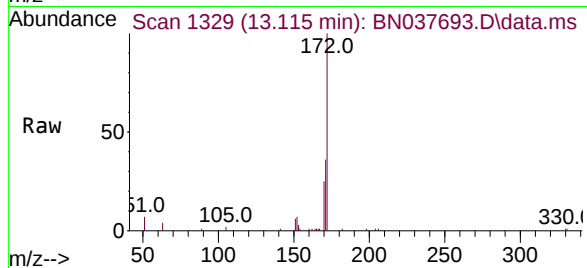
Tgt Ion:172 Resp: 10228

Ion Ratio Lower Upper

172 100

171 35.8 28.6 43.0

170 24.8 19.8 29.8



#16

Acenaphthylene

Concen: 0.389 ng

RT: 14.206 min Scan# 1431

Delta R.T. 0.000 min

Lab File: BN037693.D

Acq: 11 Sep 2025 11:08

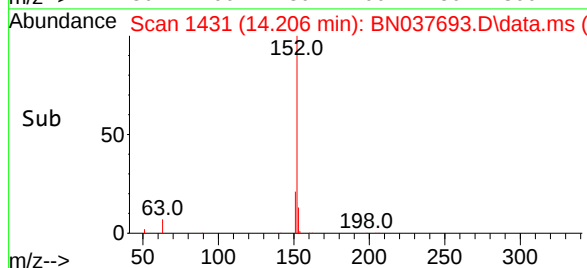
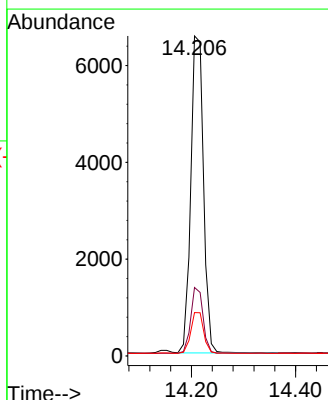
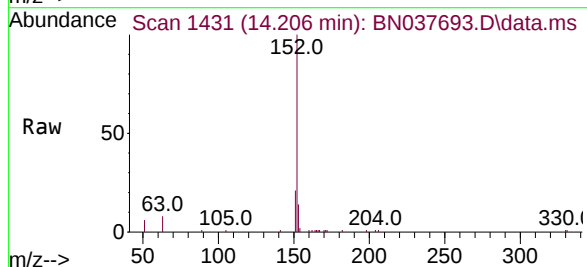
Tgt Ion:152 Resp: 11064

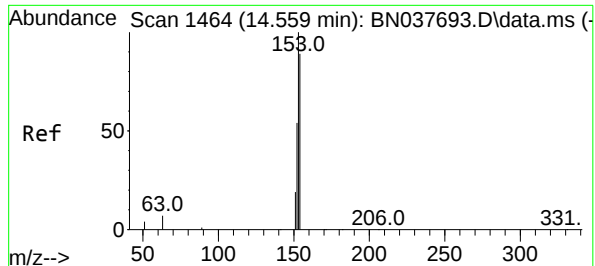
Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.2

153 13.0 10.4 15.6





#17

Acenaphthene

Concen: 0.392 ng

RT: 14.559 min Scan# 1464

Delta R.T. 0.000 min

Lab File: BN037693.D

Acq: 11 Sep 2025 11:08

Instrument :

BNA\_N

ClientSampleId :

SSTDICCC0.4

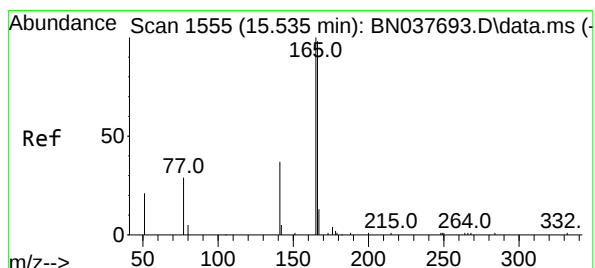
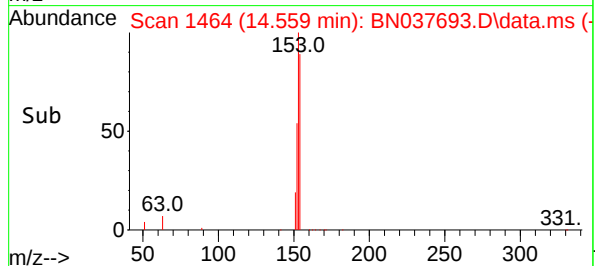
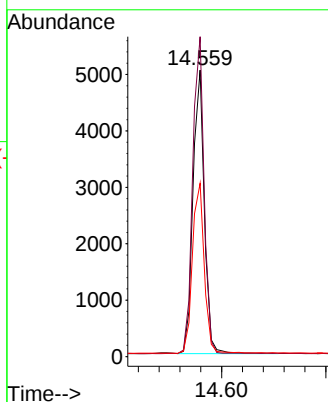
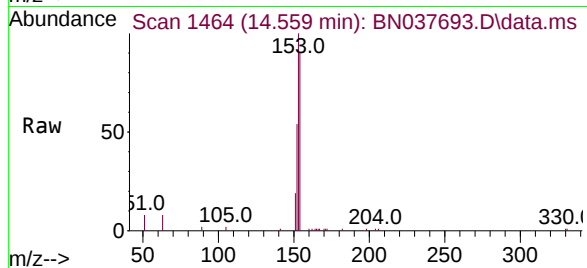
Tgt Ion:154 Resp: 7540

Ion Ratio Lower Upper

154 100

153 112.3 89.8 134.8

152 62.7 50.2 75.2



#18

Fluorene

Concen: 0.384 ng

RT: 15.535 min Scan# 1555

Delta R.T. 0.000 min

Lab File: BN037693.D

Acq: 11 Sep 2025 11:08

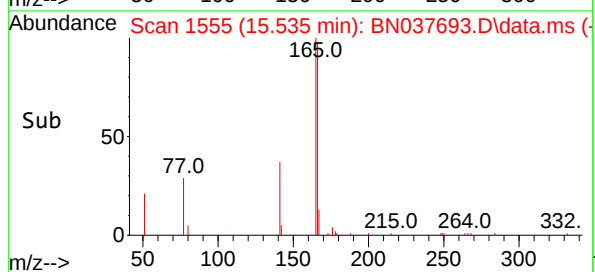
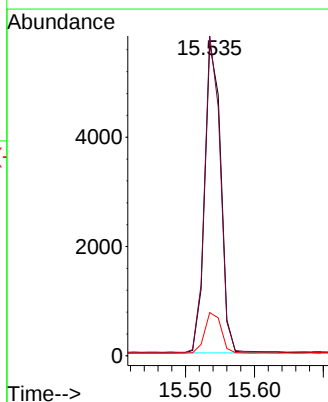
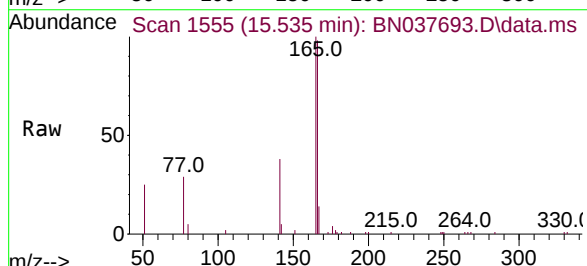
Tgt Ion:166 Resp: 8938

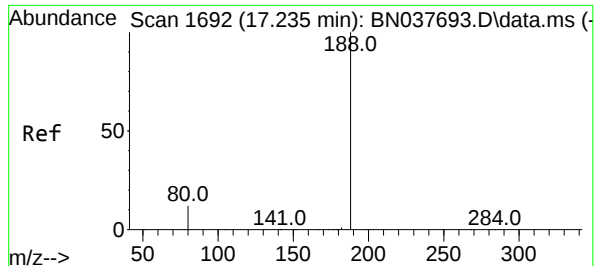
Ion Ratio Lower Upper

166 100

165 99.5 79.6 119.4

167 13.3 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.235 min Scan# 1692

Delta R.T. 0.000 min

Lab File: BN037693.D

Acq: 11 Sep 2025 11:08

Instrument :

BNA\_N

ClientSampleId :

SSTDICCC0.4

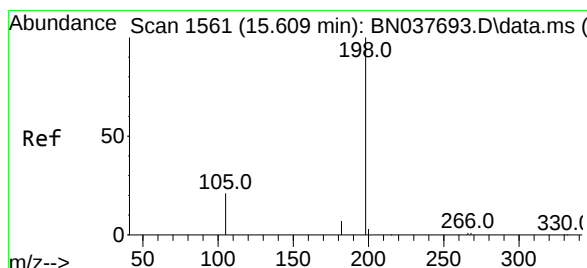
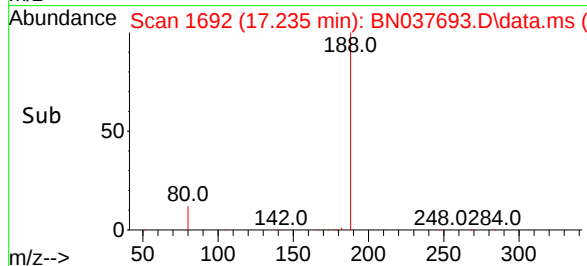
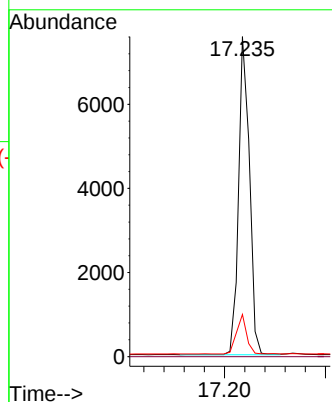
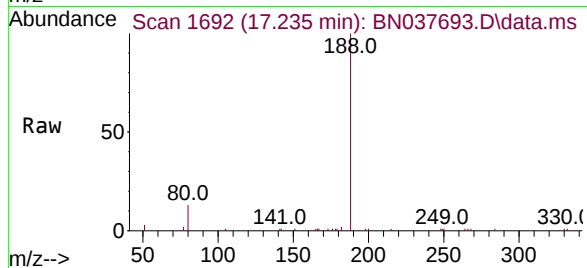
Tgt Ion:188 Resp: 11263

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.2 10.6 15.8



#20

4,6-Dinitro-2-methylphenol

Concen: 0.357 ng

RT: 15.609 min Scan# 1561

Delta R.T. 0.000 min

Lab File: BN037693.D

Acq: 11 Sep 2025 11:08

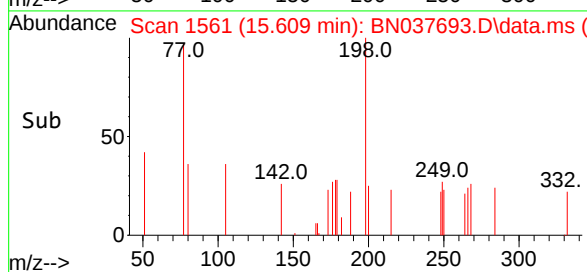
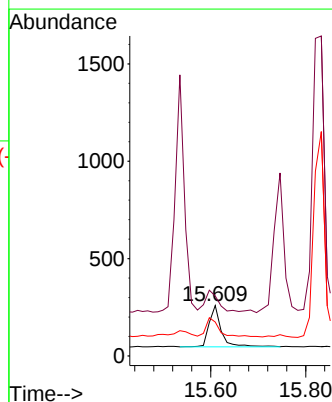
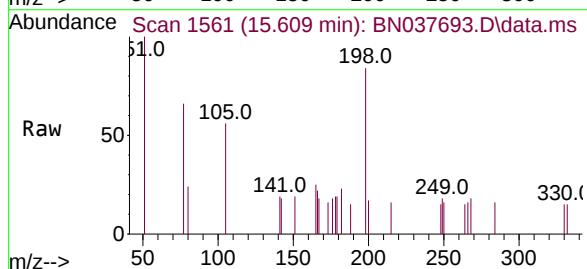
Tgt Ion:198 Resp: 372

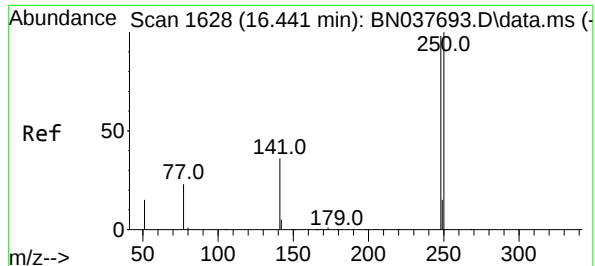
Ion Ratio Lower Upper

198 100

51 118.9 95.1 142.7

105 67.2 53.8 80.6

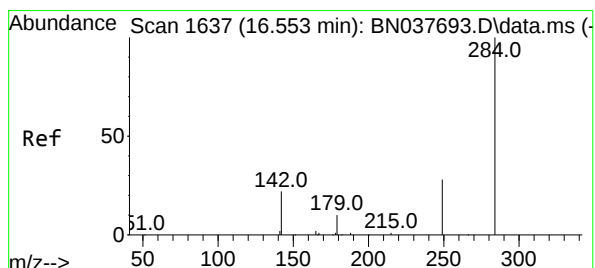
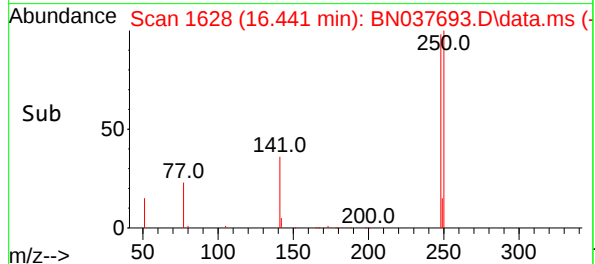
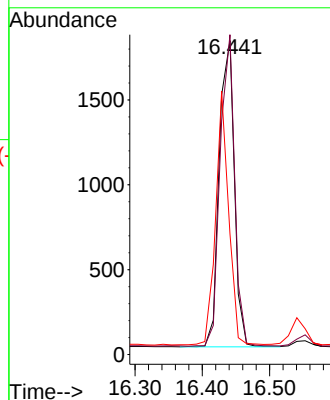
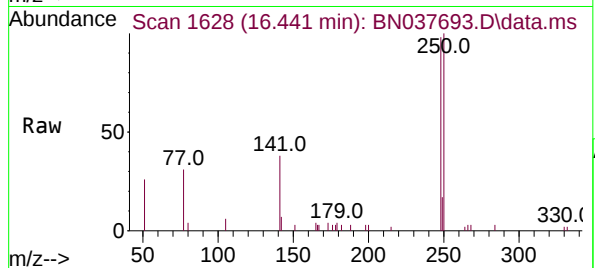




#21  
4-Bromophenyl-phenylether  
Concen: 0.385 ng  
RT: 16.441 min Scan# 1628  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

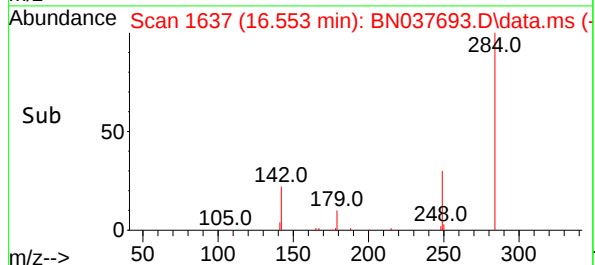
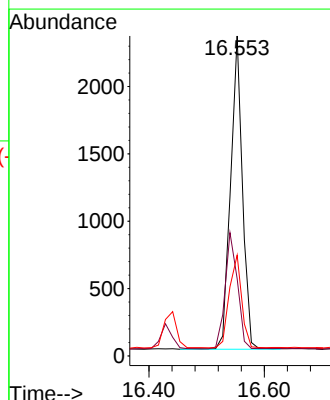
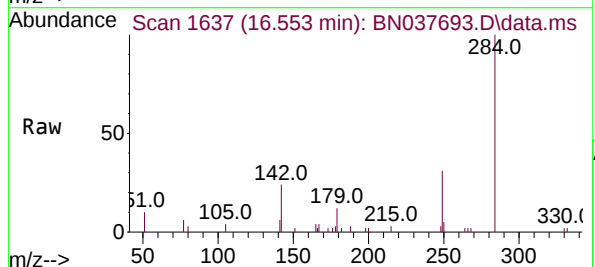
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

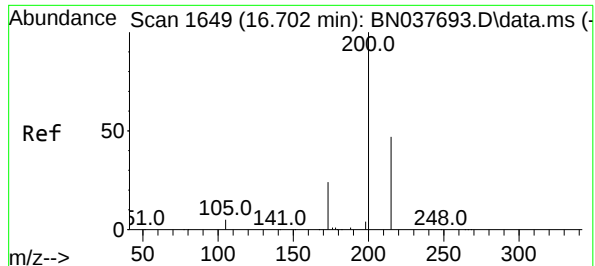
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 101.9 | 81.5  | 122.3 |
| 141     | 38.5  | 30.8  | 46.2  |



#22  
Hexachlorobenzene  
Concen: 0.392 ng  
RT: 16.553 min Scan# 1637  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 38.6  | 30.9  | 46.3  |
| 249     | 31.0  | 24.8  | 37.2  |

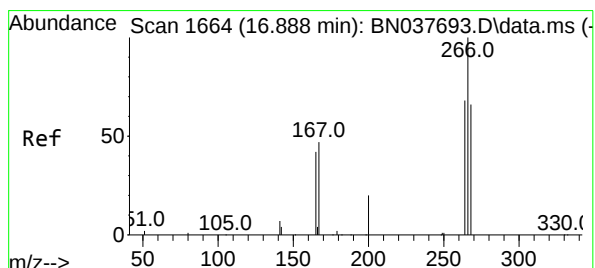
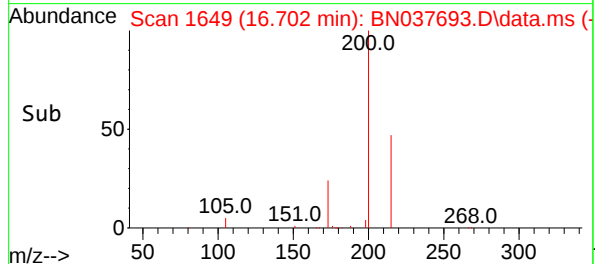
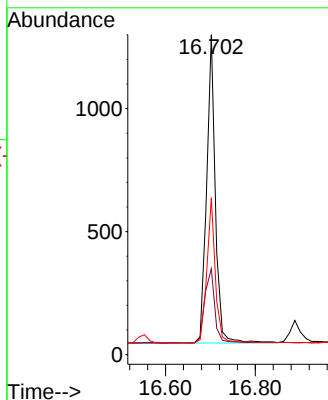
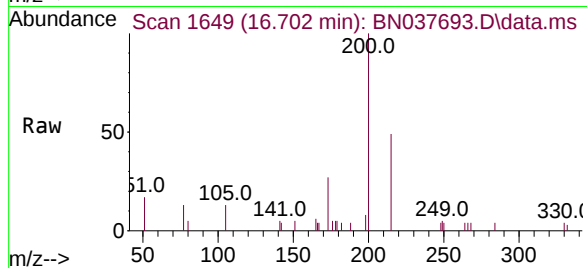




#23  
Atrazine  
Concen: 0.365 ng  
RT: 16.702 min Scan# 1649  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

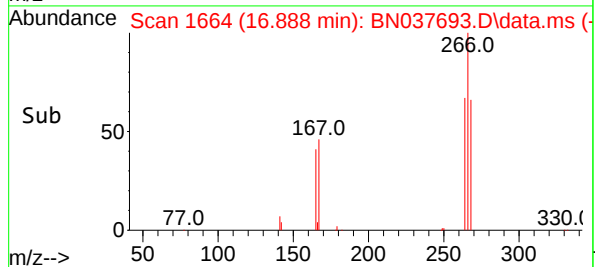
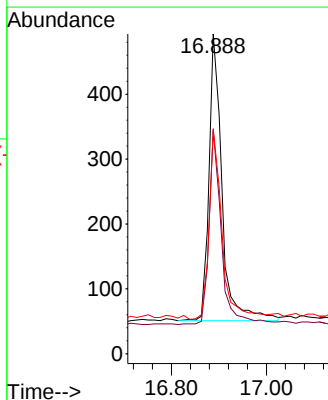
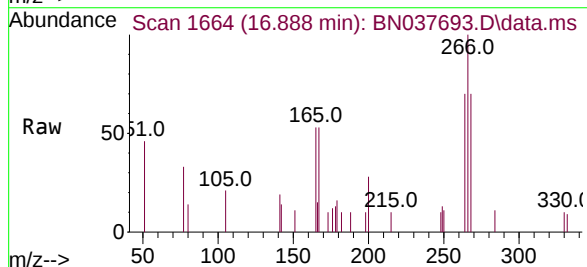
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

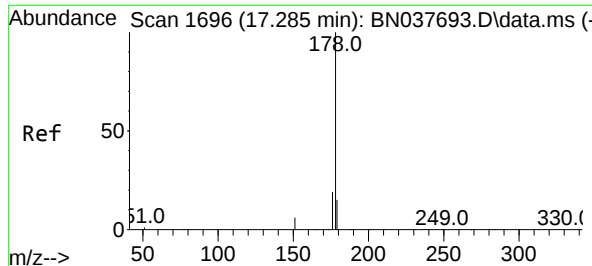
| Tgt Ion   | 200   | Resp: | 1707 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 200       | 100   |       |      |
| 173       | 26.8  | 21.4  | 32.2 |
| 215       | 49.0  | 39.2  | 58.8 |



#24  
Pentachlorophenol  
Concen: 0.342 ng  
RT: 16.888 min Scan# 1664  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

| Tgt Ion   | 266   | Resp: | 839  |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 64.5  | 51.6  | 77.4 |
| 268       | 66.5  | 53.2  | 79.8 |

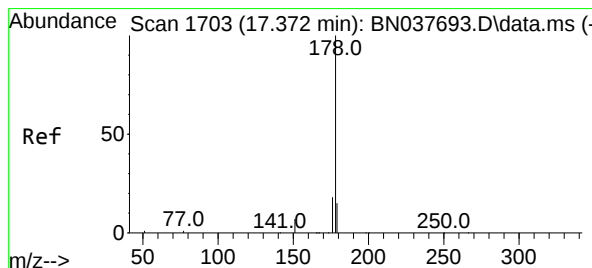
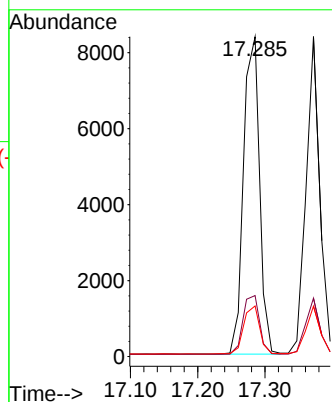
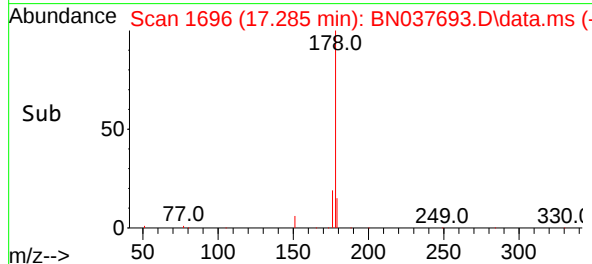
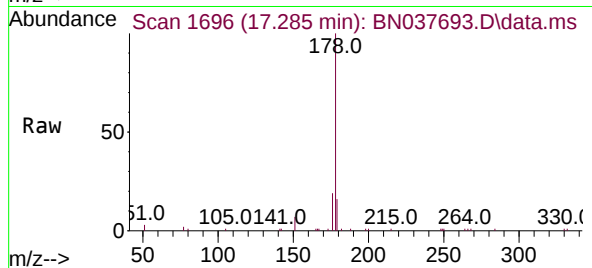




#25  
Phenanthrene  
Concen: 0.389 ng  
RT: 17.285 min Scan# 1696  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

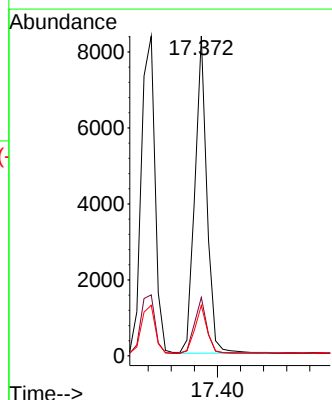
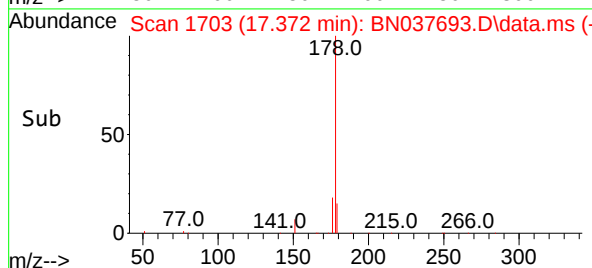
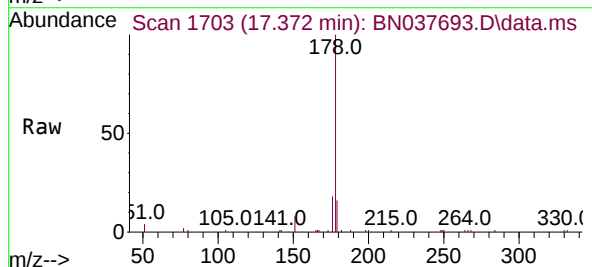
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

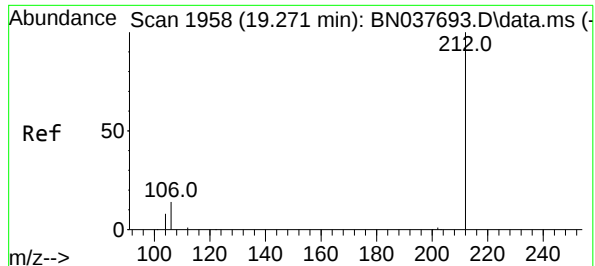
Tgt Ion:178 Resp: 13778  
Ion Ratio Lower Upper  
178 100  
176 19.1 15.3 22.9  
179 15.2 12.2 18.2



#26  
Anthracene  
Concen: 0.384 ng  
RT: 17.372 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

Tgt Ion:178 Resp: 12049  
Ion Ratio Lower Upper  
178 100  
176 18.2 14.6 22.0  
179 15.3 12.2 18.4





#27

Fluoranthene-d10

Concen: 0.372 ng

RT: 19.271 min Scan# 1958

Delta R.T. 0.000 min

Lab File: BN037693.D

Acq: 11 Sep 2025 11:08

Instrument :

BNA\_N

ClientSampleId :

SSTDICCC0.4

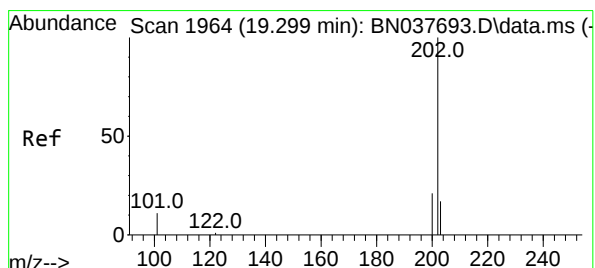
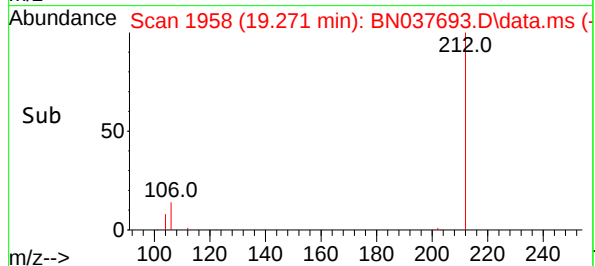
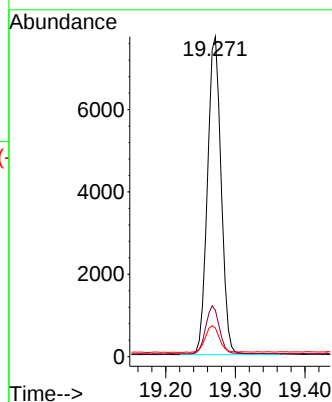
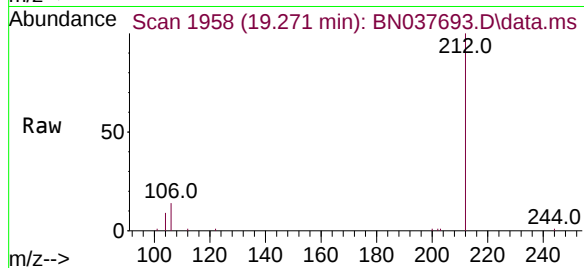
Tgt Ion:212 Resp: 10530

Ion Ratio Lower Upper

212 100

106 15.2 12.2 18.2

104 8.6 6.9 10.3



#28

Fluoranthene

Concen: 0.379 ng

RT: 19.299 min Scan# 1964

Delta R.T. 0.000 min

Lab File: BN037693.D

Acq: 11 Sep 2025 11:08

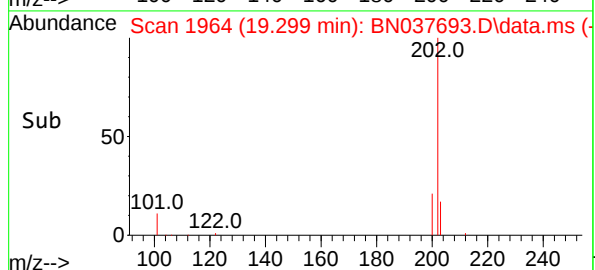
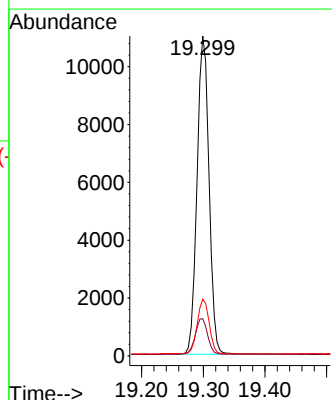
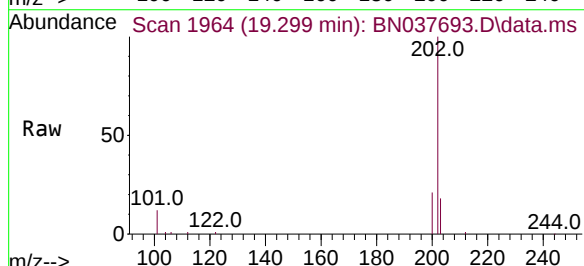
Tgt Ion:202 Resp: 14751

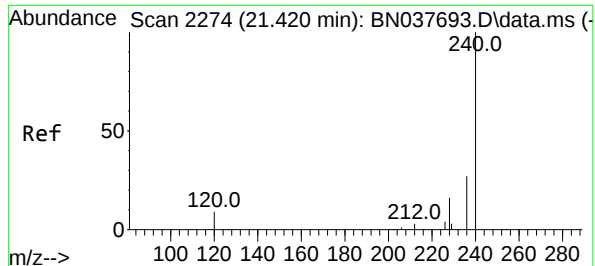
Ion Ratio Lower Upper

202 100

101 11.6 9.3 13.9

203 17.1 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.420 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037693.D

Acq: 11 Sep 2025 11:08

Instrument :

BNA\_N

ClientSampleId :

SSTDICCC0.4

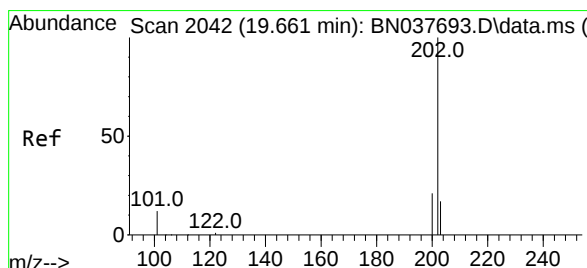
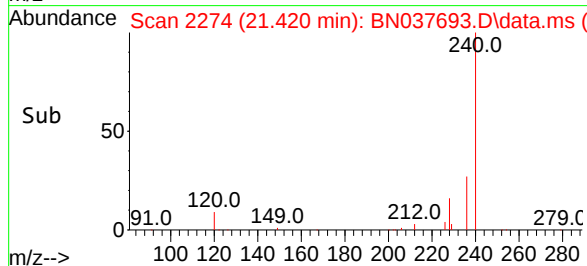
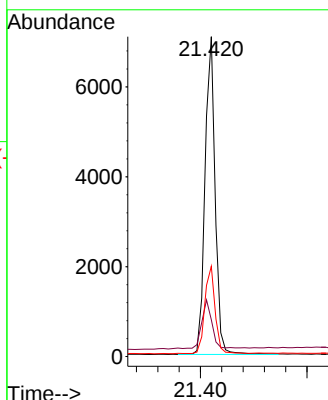
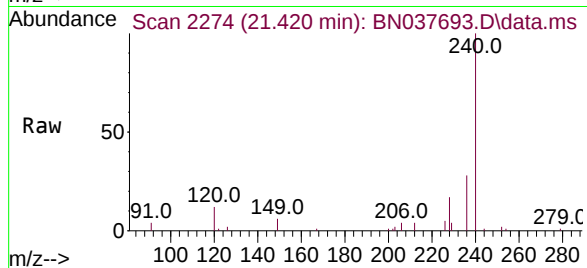
Tgt Ion:240 Resp: 9368

Ion Ratio Lower Upper

240 100

120 11.5 9.2 13.8

236 28.2 22.6 33.8



#30

Pyrene

Concen: 0.398 ng

RT: 19.661 min Scan# 2042

Delta R.T. 0.000 min

Lab File: BN037693.D

Acq: 11 Sep 2025 11:08

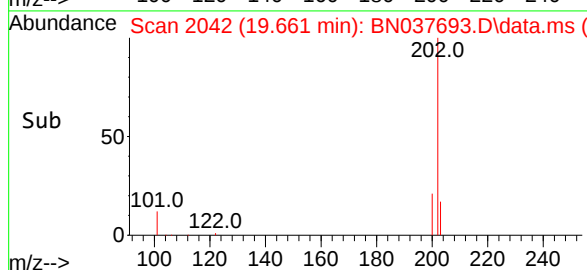
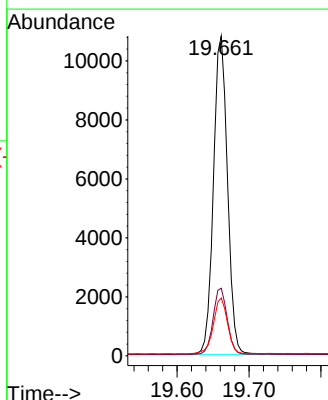
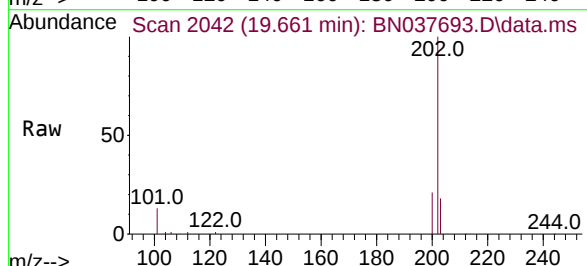
Tgt Ion:202 Resp: 14587

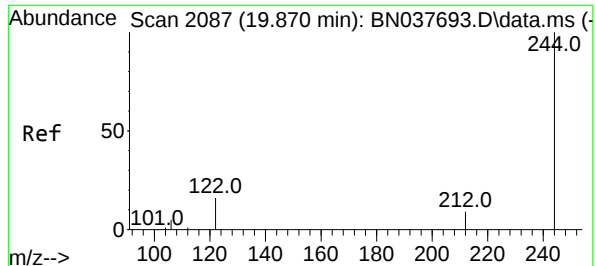
Ion Ratio Lower Upper

202 100

200 21.0 16.8 25.2

203 17.9 14.3 21.5

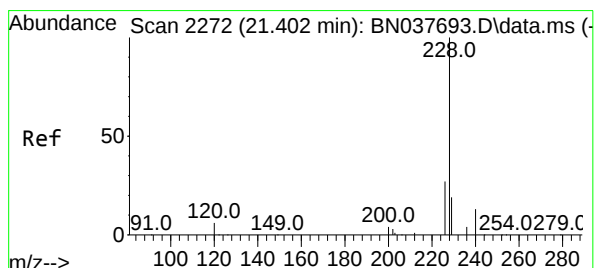
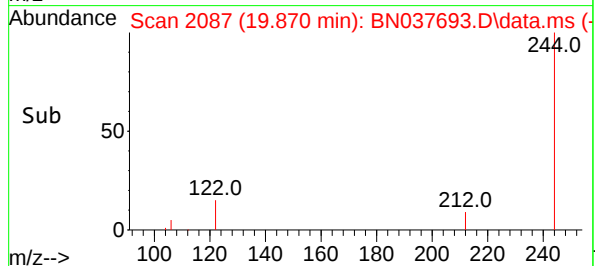
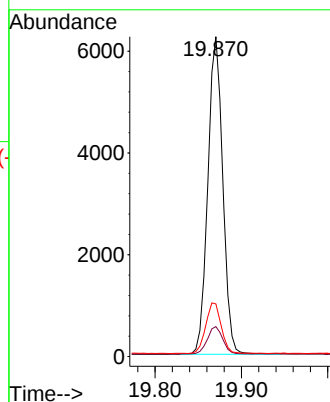
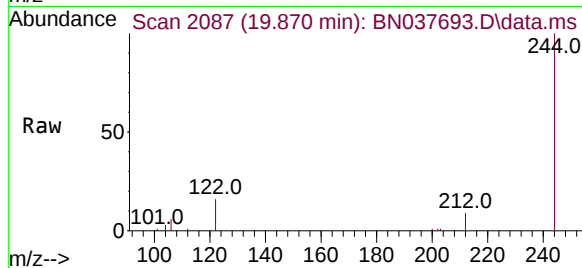




#31  
Terphenyl-d14  
Concen: 0.395 ng  
RT: 19.870 min Scan# 2087  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

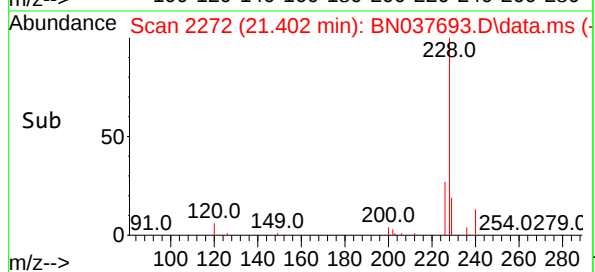
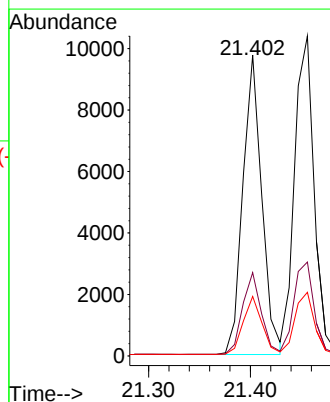
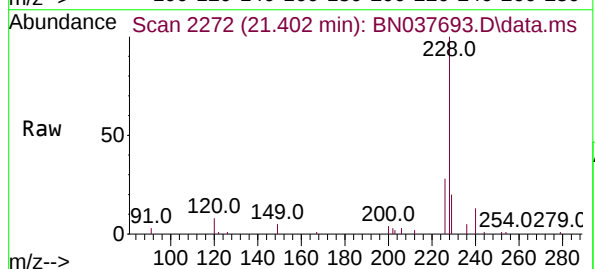
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

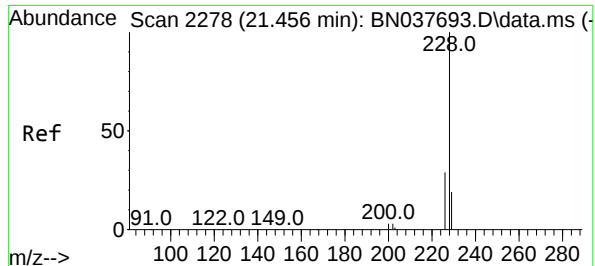
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.4   | 7.5   | 11.3  |
| 122     | 16.5  | 13.2  | 19.8  |



#32  
Benzo(a)anthracene  
Concen: 0.386 ng  
RT: 21.402 min Scan# 2272  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.7  | 22.2  | 33.2  |
| 229     | 19.7  | 15.8  | 23.6  |





#33

Chrysene

Concen: 0.400 ng

RT: 21.456 min Scan# 2278

Delta R.T. 0.000 min

Lab File: BN037693.D

Acq: 11 Sep 2025 11:08

Instrument :

BNA\_N

ClientSampleId :

SSTDICCC0.4

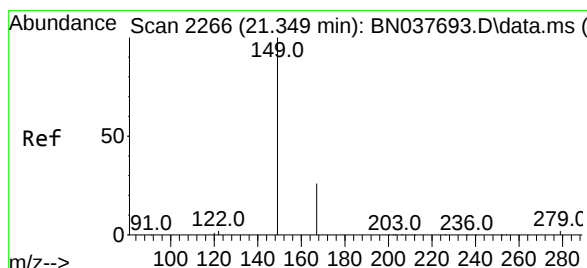
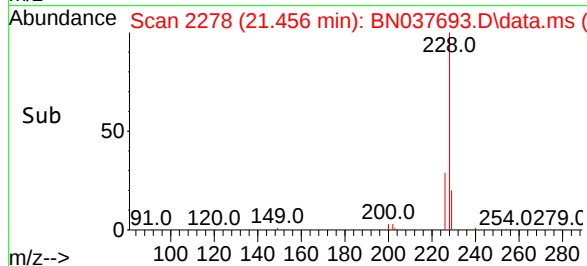
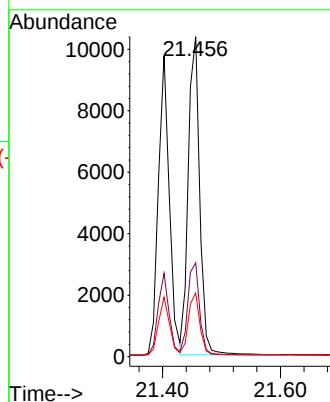
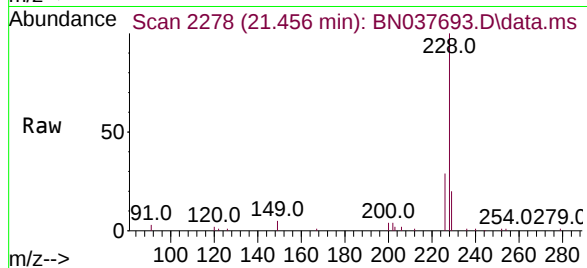
Tgt Ion:228 Resp: 14018

Ion Ratio Lower Upper

228 100

226 29.4 23.5 35.3

229 19.9 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.363 ng

RT: 21.349 min Scan# 2266

Delta R.T. 0.000 min

Lab File: BN037693.D

Acq: 11 Sep 2025 11:08

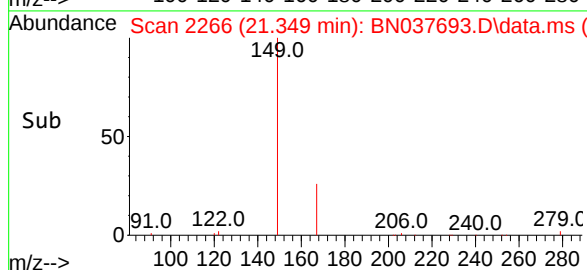
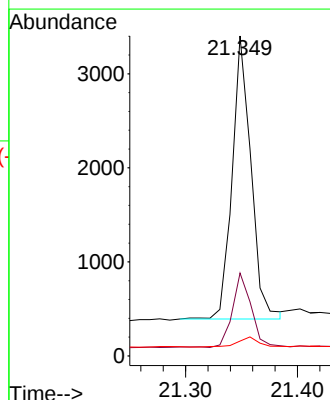
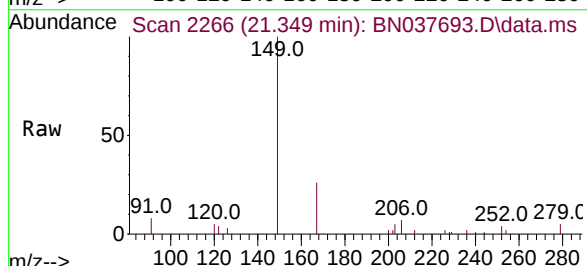
Tgt Ion:149 Resp: 3520

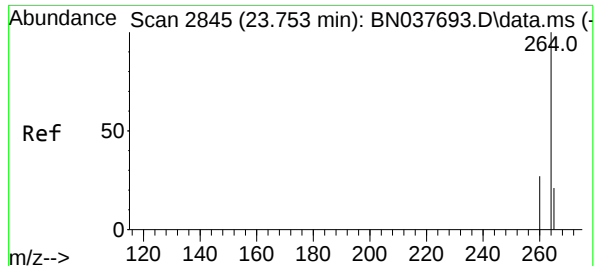
Ion Ratio Lower Upper

149 100

167 25.8 20.8 31.2

279 4.0 3.3 4.9

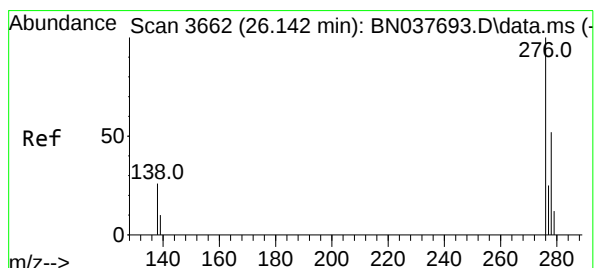
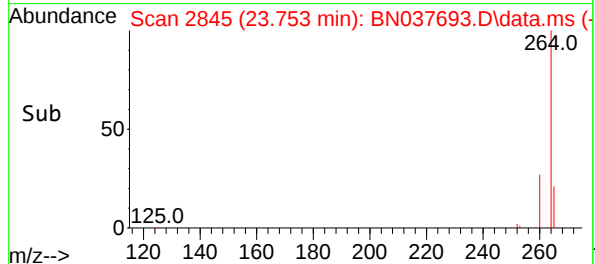
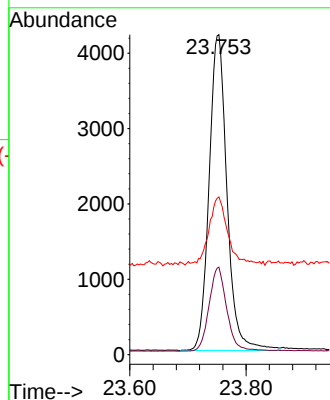
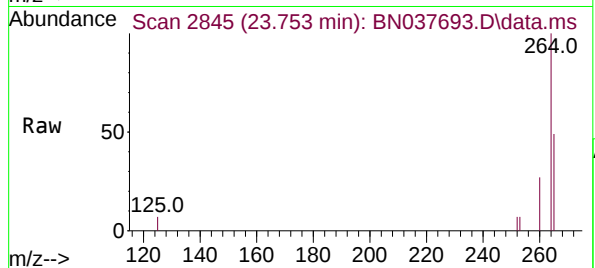




#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.753 min Scan# 2845  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

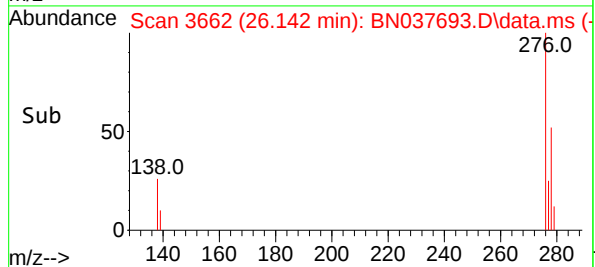
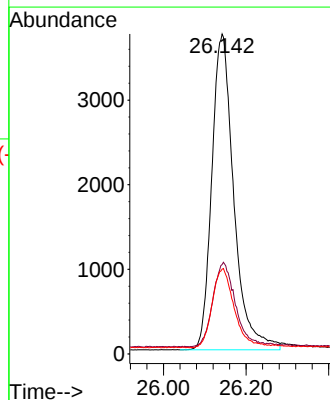
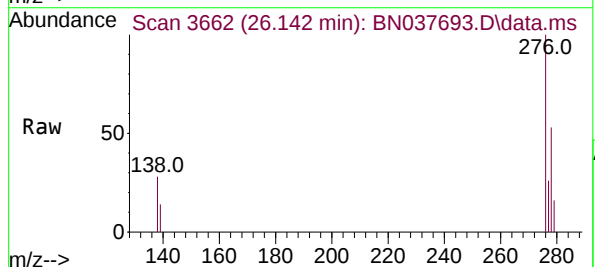
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICCC0.4

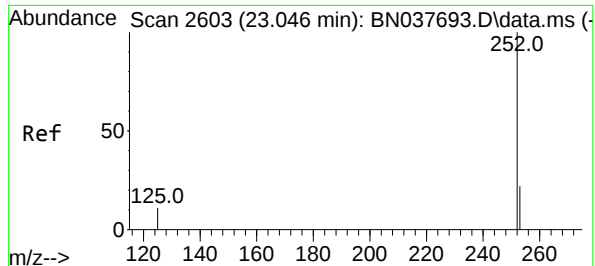
| Tgt Ion   | 264  | 260  | 265  |
|-----------|------|------|------|
| Resp:     | 8965 |      |      |
| Ion Ratio | 100  | 27.3 | 49.3 |
| Lower     |      | 21.8 | 39.4 |
| Upper     |      | 32.8 | 59.2 |



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.367 ng  
RT: 26.142 min Scan# 3662  
Delta R.T. 0.000 min  
Lab File: BN037693.D  
Acq: 11 Sep 2025 11:08

| Tgt Ion   | 276   | 138  | 277  |
|-----------|-------|------|------|
| Resp:     | 13835 |      |      |
| Ion Ratio | 100   | 27.4 | 25.1 |
| Lower     |       | 21.9 | 20.1 |
| Upper     |       | 32.9 | 30.1 |





#37

Benzo(b)fluoranthene

Concen: 0.395 ng

RT: 23.046 min Scan# 2603

Delta R.T. 0.000 min

Lab File: BN037693.D

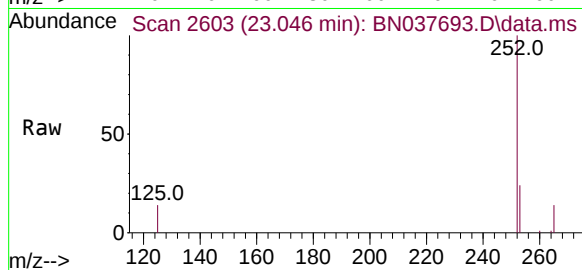
Acq: 11 Sep 2025 11:08

Instrument :

BNA\_N

ClientSampleId :

SSTDICCC0.4



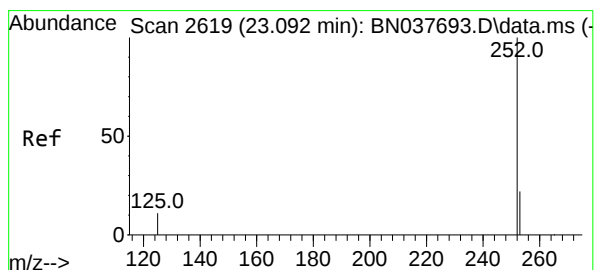
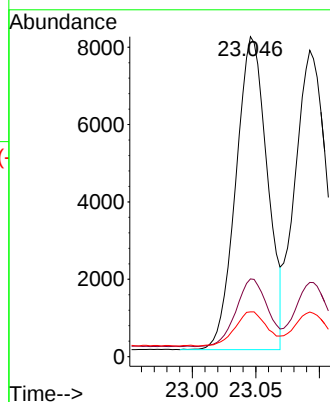
Tgt Ion:252 Resp: 13935

Ion Ratio Lower Upper

252 100

253 24.3 19.4 29.2

125 14.0 11.2 16.8



#38

Benzo(k)fluoranthene

Concen: 0.379 ng

RT: 23.092 min Scan# 2619

Delta R.T. 0.000 min

Lab File: BN037693.D

Acq: 11 Sep 2025 11:08

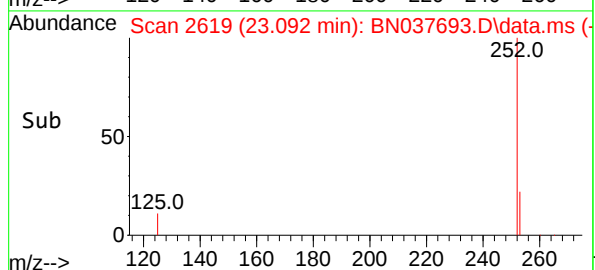
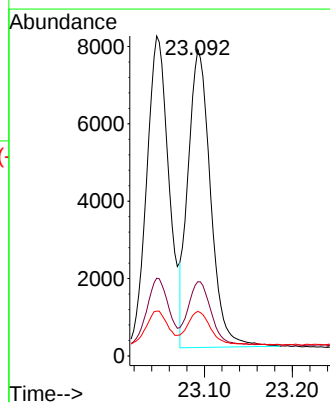
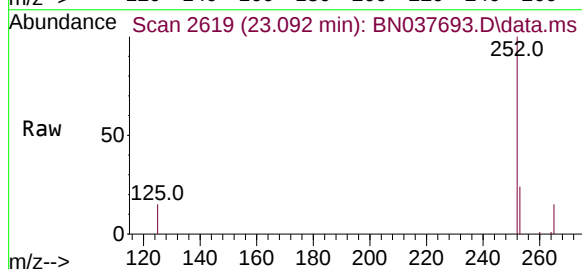
Tgt Ion:252 Resp: 13659

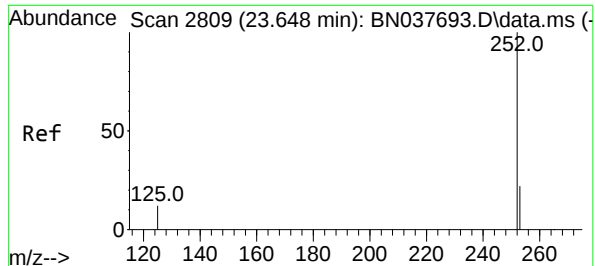
Ion Ratio Lower Upper

252 100

253 24.2 19.4 29.0

125 14.5 11.6 17.4





#39

Benzo(a)pyrene

Concen: 0.381 ng

RT: 23.648 min Scan# 2809

Delta R.T. 0.000 min

Lab File: BN037693.D

Acq: 11 Sep 2025 11:08

Instrument :

BNA\_N

ClientSampleId :

SSTDICCC0.4

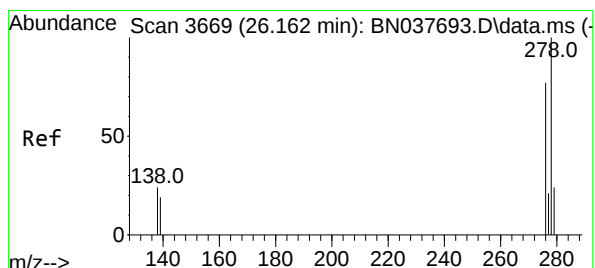
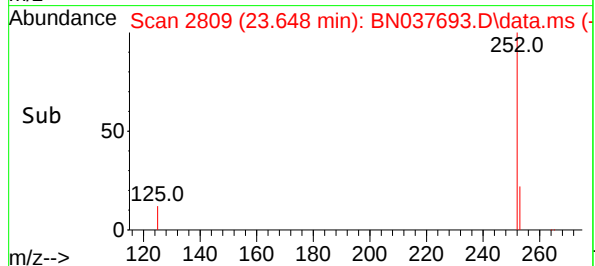
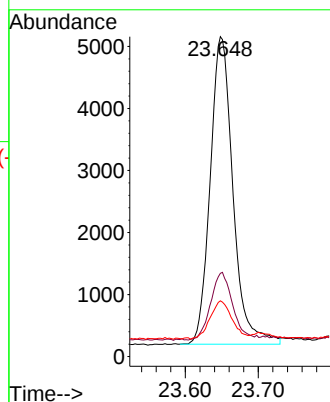
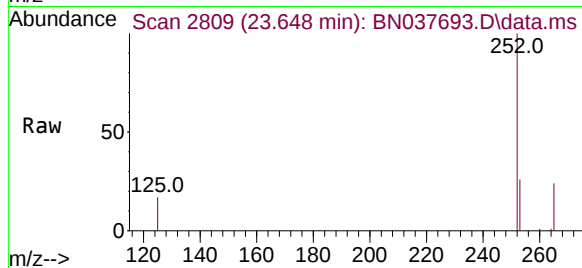
Tgt Ion:252 Resp: 10766

Ion Ratio Lower Upper

252 100

253 26.0 20.8 31.2

125 17.4 13.9 20.9



#40

Dibenzo(a,h)anthracene

Concen: 0.361 ng

RT: 26.162 min Scan# 3669

Delta R.T. 0.000 min

Lab File: BN037693.D

Acq: 11 Sep 2025 11:08

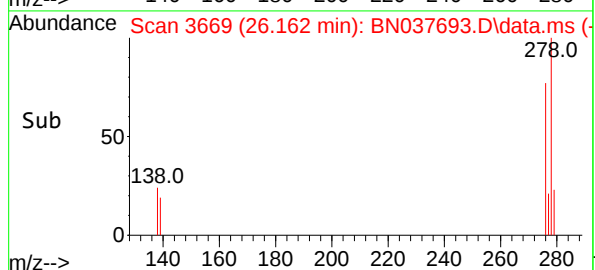
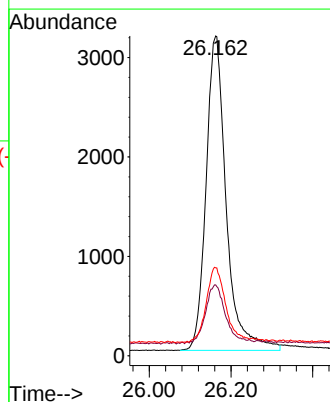
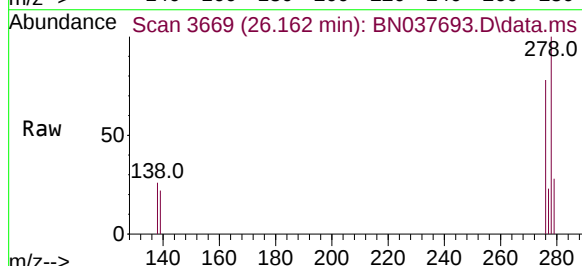
Tgt Ion:278 Resp: 10852

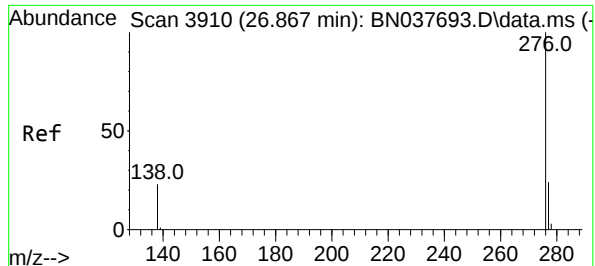
Ion Ratio Lower Upper

278 100

139 22.2 17.8 26.6

279 27.5 22.0 33.0





#41

Benzo(g,h,i)perylene

Concen: 0.385 ng

RT: 26.867 min Scan# 3910

Delta R.T. 0.000 min

Lab File: BN037693.D

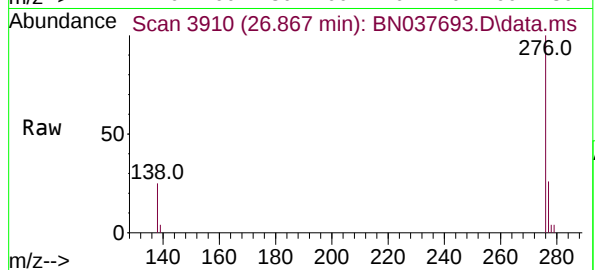
Acq: 11 Sep 2025 11:08

Instrument :

BNA\_N

ClientSampleId :

SSTDICCC0.4



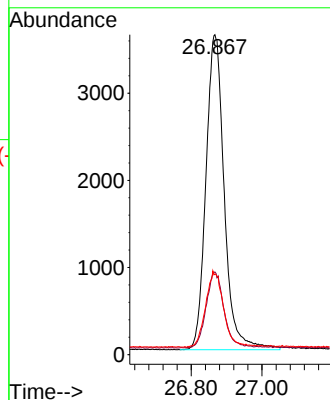
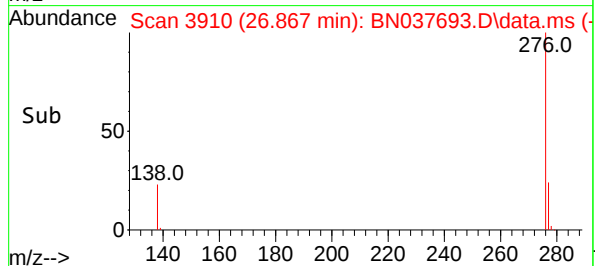
Tgt Ion:276 Resp: 13009

Ion Ratio Lower Upper

276 100

277 25.8 20.6 31.0

138 25.2 20.2 30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
 Data File : BN037694.D  
 Acq On : 11 Sep 2025 11:44  
 Operator : RC/JU  
 Sample : SSTDICC0.8  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC0.8

Quant Time: Sep 11 14:06:29 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:02:44 2025  
 Response via : Initial Calibration

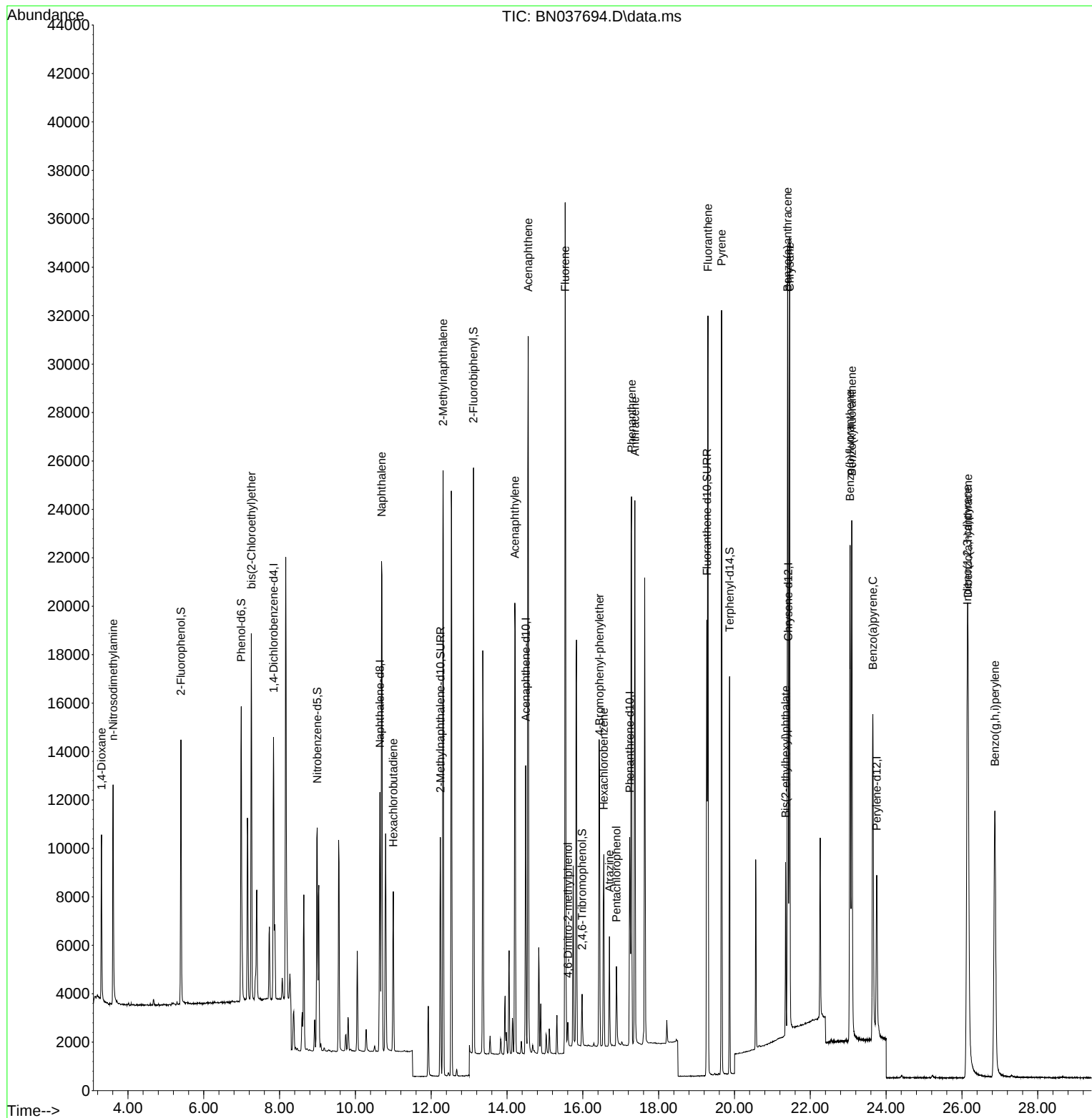
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.840  | 152  | 5166     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.648 | 136  | 13664    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.495 | 164  | 6297     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.235 | 188  | 11247    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.420 | 240  | 9536     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.753 | 264  | 9336     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.399  | 112  | 8684     | 0.732 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.988  | 99   | 11241    | 0.731 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.993  | 82   | 7438     | 0.744 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.243 | 152  | 13053    | 0.721 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.982 | 330  | 1211     | 0.737 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.115 | 172  | 19971    | 0.758 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.271 | 212  | 19870    | 0.704 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.870 | 244  | 14384    | 0.743 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.304  | 88   | 4244     | 0.789 | ng    | 98       |
| 3) n-Nitrosodimethylamine     | 3.608  | 42   | 5321     | 0.757 | ng    | # 93     |
| 6) bis(2-Chloroethyl)ether    | 7.255  | 93   | 10526    | 0.766 | ng    | 99       |
| 9) Naphthalene                | 10.690 | 128  | 28311    | 0.758 | ng    | 100      |
| 10) Hexachlorobutadiene       | 11.000 | 225  | 5165     | 0.764 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.314 | 142  | 17311    | 0.749 | ng    | 99       |
| 16) Acenaphthylene            | 14.206 | 152  | 21746    | 0.753 | ng    | 99       |
| 17) Acenaphthene              | 14.559 | 154  | 14943    | 0.765 | ng    | 100      |
| 18) Fluorene                  | 15.535 | 166  | 17870    | 0.756 | ng    | 97       |
| 20) 4,6-Dinitro-2-methylph... | 15.609 | 198  | 751      | 0.721 | ng    | # 66     |
| 21) 4-Bromophenyl-phenylether | 16.441 | 248  | 5576     | 0.760 | ng    | 99       |
| 22) Hexachlorobenzene         | 16.553 | 284  | 6299     | 0.747 | ng    | 99       |
| 23) Atrazine                  | 16.702 | 200  | 3288     | 0.705 | ng    | 98       |
| 24) Pentachlorophenol         | 16.888 | 266  | 1652     | 0.674 | ng    | 97       |
| 25) Phenanthrene              | 17.285 | 178  | 26380    | 0.745 | ng    | 100      |
| 26) Anthracene                | 17.372 | 178  | 23177    | 0.739 | ng    | 100      |
| 28) Fluoranthene              | 19.299 | 202  | 28541    | 0.735 | ng    | 100      |
| 30) Pyrene                    | 19.661 | 202  | 28089    | 0.752 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.402 | 228  | 24740    | 0.744 | ng    | 99       |
| 33) Chrysene                  | 21.456 | 228  | 26737    | 0.750 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.349 | 149  | 6579     | 0.667 | ng    | 98       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.142 | 276  | 28614    | 0.729 | ng    | 100      |
| 37) Benzo(b)fluoranthene      | 23.049 | 252  | 26965    | 0.733 | ng    | 98       |
| 38) Benzo(k)fluoranthene      | 23.095 | 252  | 28034    | 0.748 | ng    | 98       |
| 39) Benzo(a)pyrene            | 23.651 | 252  | 21496    | 0.730 | ng    | 95       |
| 40) Dibenzo(a,h)anthracene    | 26.162 | 278  | 23010    | 0.735 | ng    | 95       |
| 41) Benzo(g,h,i)perylene      | 26.867 | 276  | 25683    | 0.731 | ng    | 98       |
| -----                         |        |      |          |       |       |          |

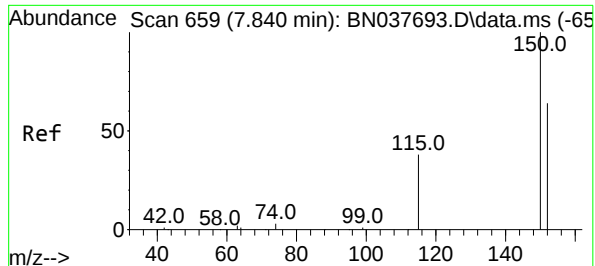
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
Data File : BN037694.D  
Acq On : 11 Sep 2025 11:44  
Operator : RC/JU  
Sample : SSTDICC0.8  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

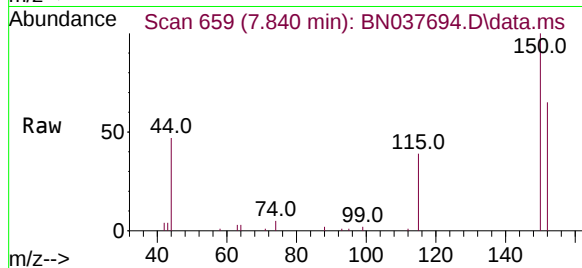
Quant Time: Sep 11 14:06:29 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 11 14:02:44 2025  
Response via : Initial Calibration



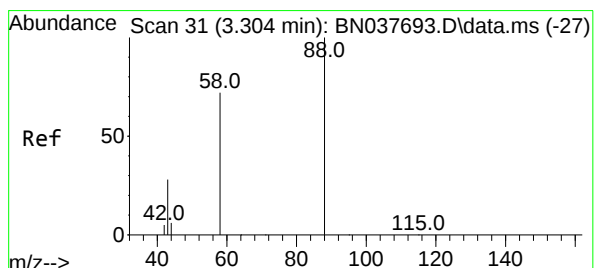
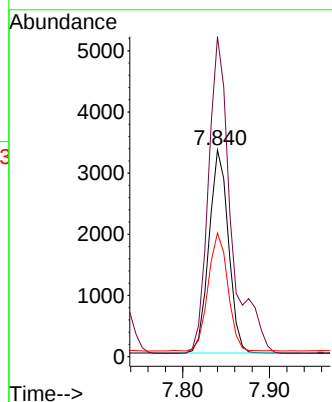
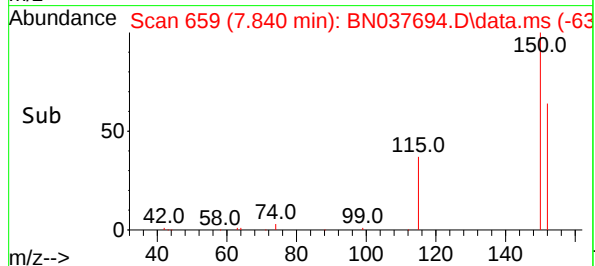


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.840 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

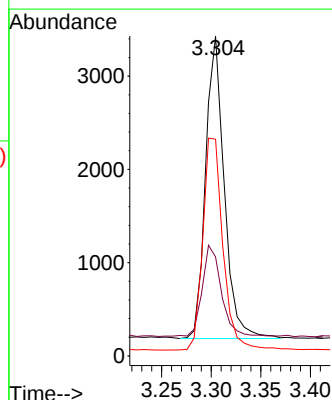
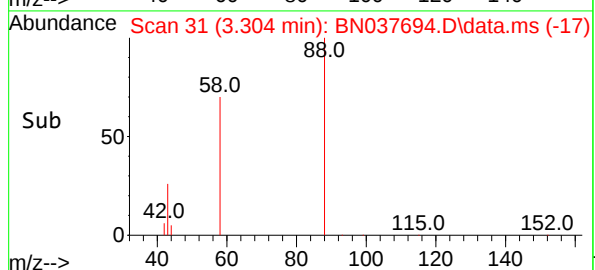
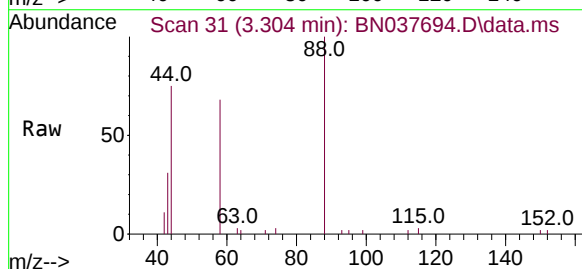


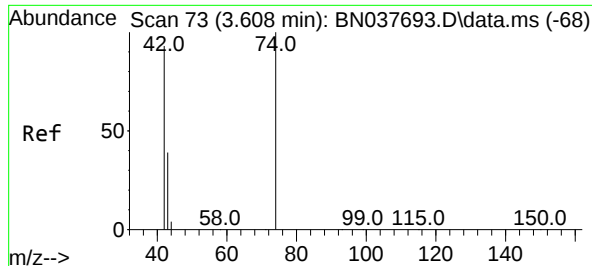
Tgt Ion:152 Resp: 5166  
Ion Ratio Lower Upper  
152 100  
150 154.9 124.5 186.7  
115 59.8 49.2 73.8



#2  
1,4-Dioxane  
Concen: 0.789 ng  
RT: 3.304 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

Tgt Ion: 88 Resp: 4244  
Ion Ratio Lower Upper  
88 100  
43 31.1 26.8 40.2  
58 76.2 61.9 92.9

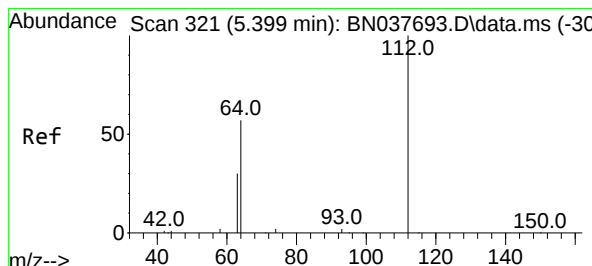
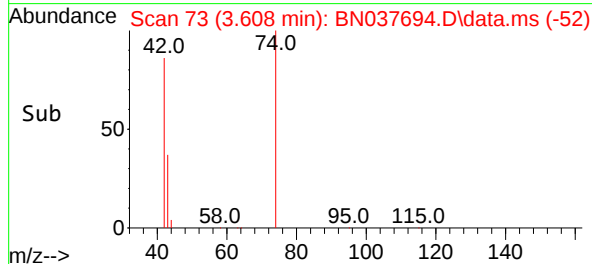
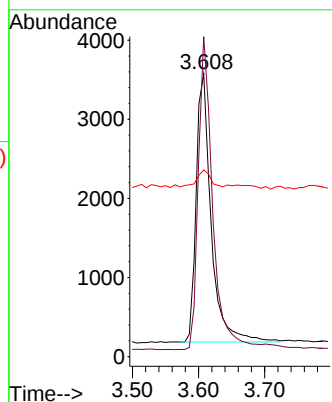
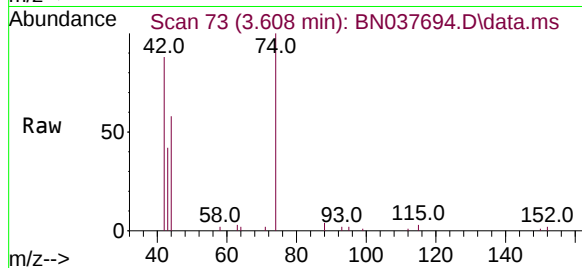




#3  
n-Nitrosodimethylamine  
Concen: 0.757 ng  
RT: 3.608 min Scan# 73  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

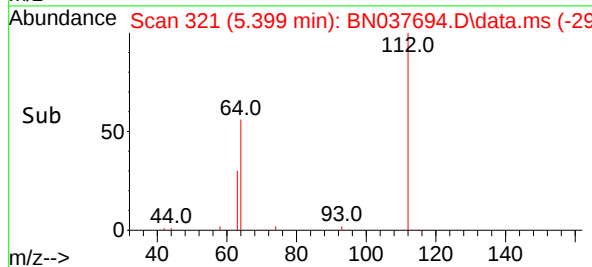
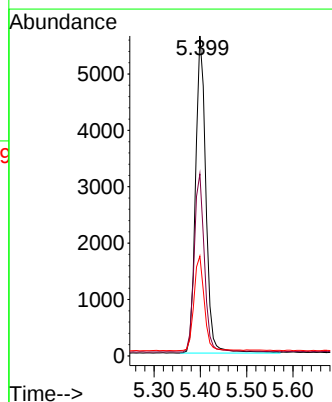
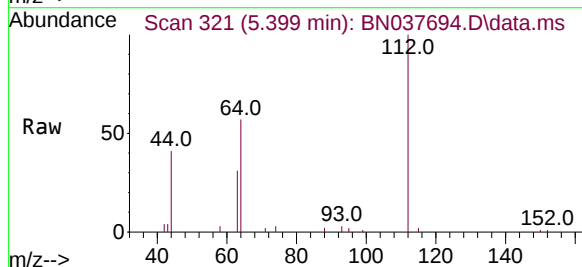
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

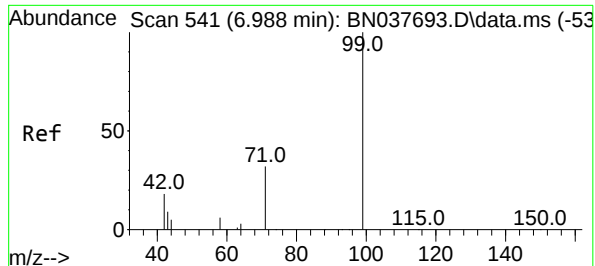
Tgt Ion: 42 Resp: 5321  
Ion Ratio Lower Upper  
42 100  
74 114.4 86.0 129.0  
44 6.9 8.4 12.6#



#4  
2-Fluorophenol  
Concen: 0.732 ng  
RT: 5.399 min Scan# 321  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

Tgt Ion: 112 Resp: 8684  
Ion Ratio Lower Upper  
112 100  
64 55.6 44.9 67.3  
63 29.8 24.7 37.1

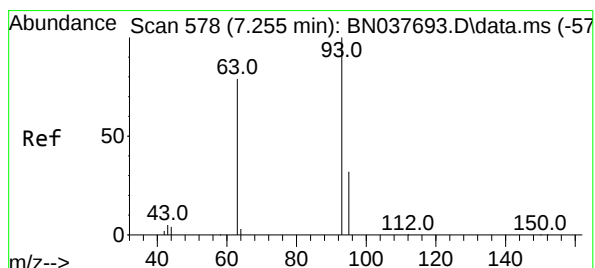
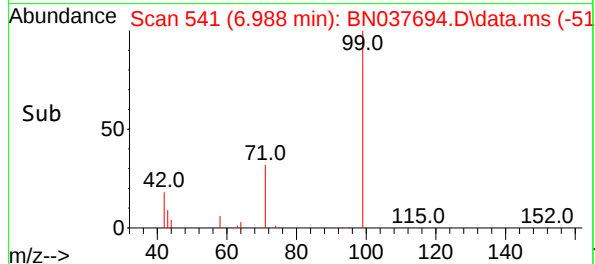
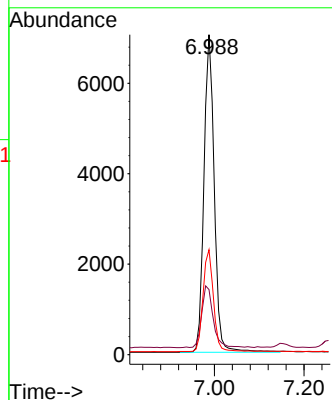
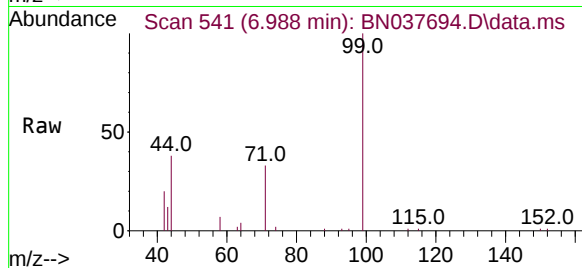




#5  
Phenol-d6  
Concen: 0.731 ng  
RT: 6.988 min Scan# 541  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

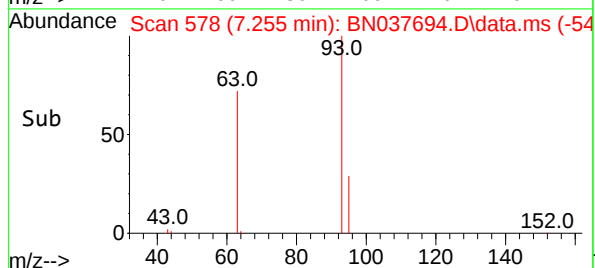
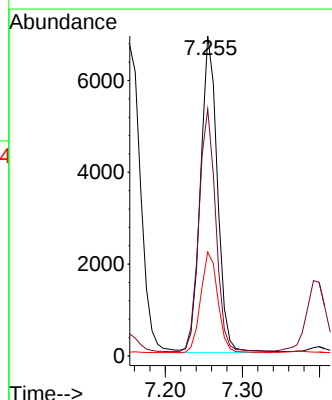
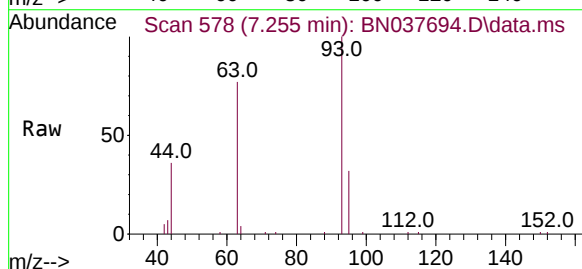
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

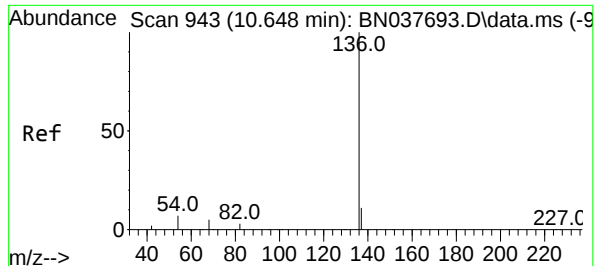
Tgt Ion: 99 Resp: 11241  
Ion Ratio Lower Upper  
99 100  
42 21.6 16.6 24.8  
71 32.6 26.7 40.1



#6  
bis(2-Chloroethyl)ether  
Concen: 0.766 ng  
RT: 7.255 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

Tgt Ion: 93 Resp: 10526  
Ion Ratio Lower Upper  
93 100  
63 76.1 60.6 90.8  
95 32.1 26.0 39.0

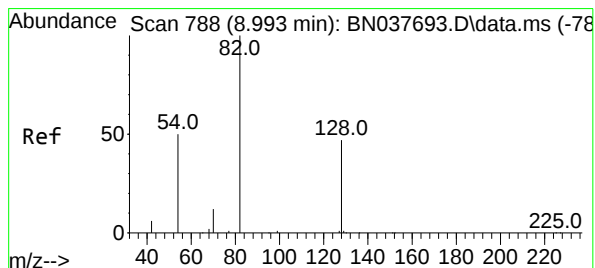
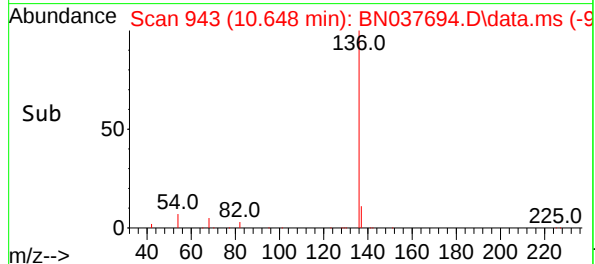
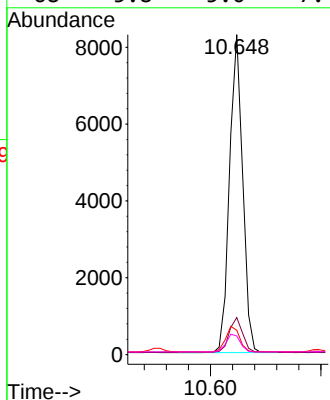
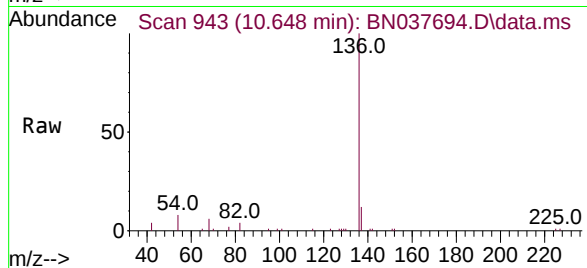




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.648 min Scan# 94  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

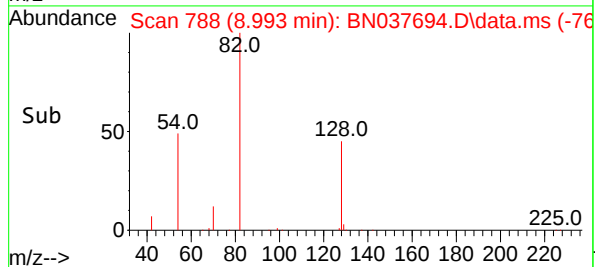
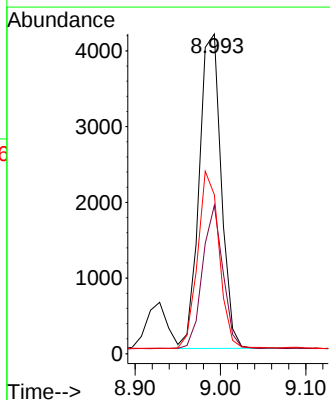
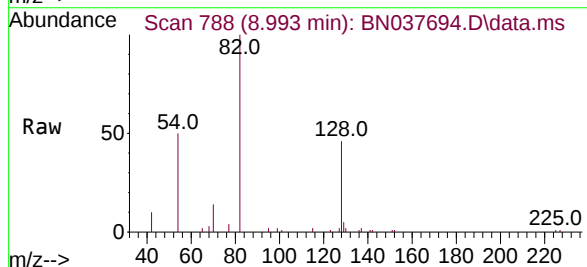
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

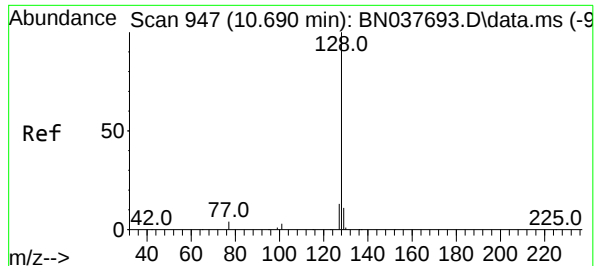
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 13664 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.6  | 9.1   | 13.7  |
| 54       | 7.6   | 6.3   | 9.5   |
| 68       | 5.8   | 5.0   | 7.4   |



#8  
Nitrobenzene-d5  
Concen: 0.744 ng  
RT: 8.993 min Scan# 788  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 7438  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 46.4  | 38.3  | 57.5  |
| 54       | 49.7  | 41.4  | 62.2  |

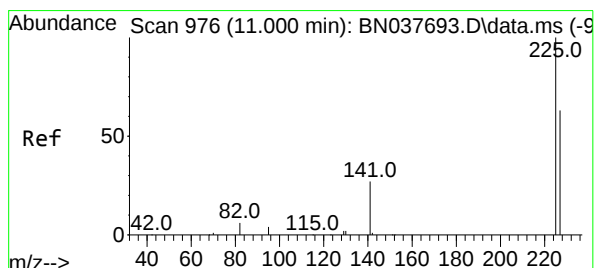
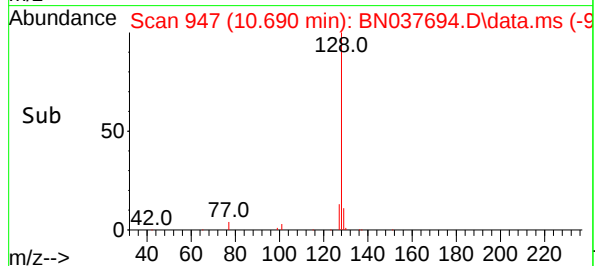
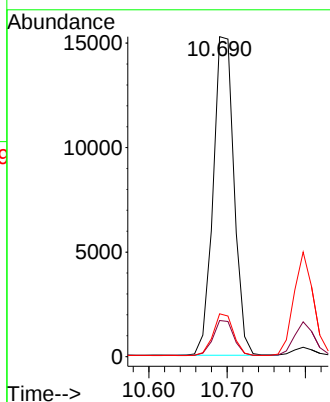
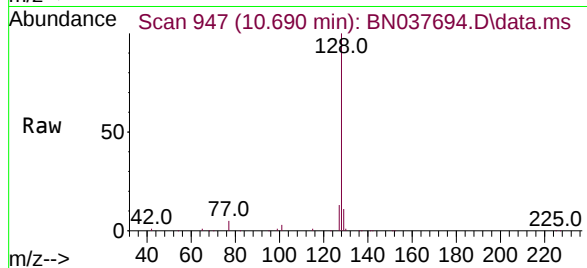




#9  
Naphthalene  
Concen: 0.758 ng  
RT: 10.690 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

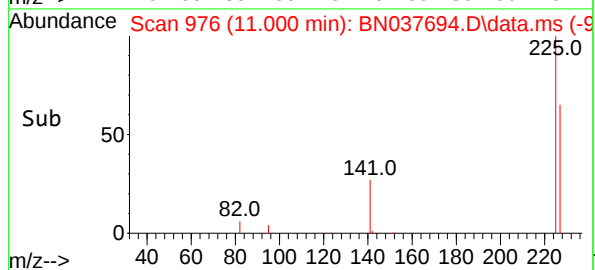
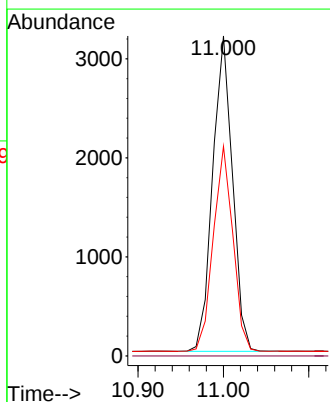
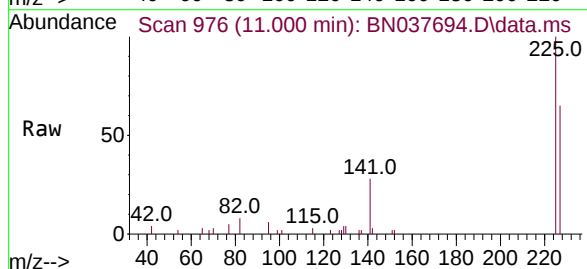
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

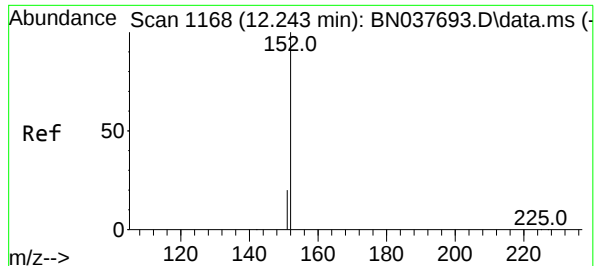
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Ion Ratio Lower Upper  
128 100  
129 11.3 9.1 13.7  
127 13.4 10.9 16.3



#10  
Hexachlorobutadiene  
Concen: 0.764 ng  
RT: 11.000 min Scan# 976  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

Tgt Ion:225 Resp: 5165  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 64.3 50.9 76.3

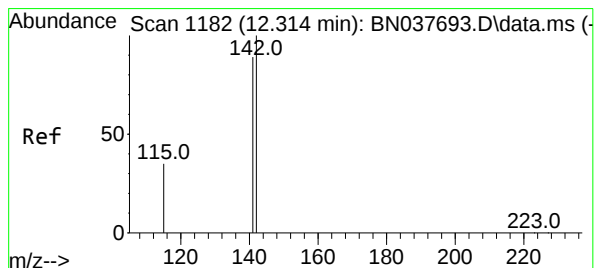
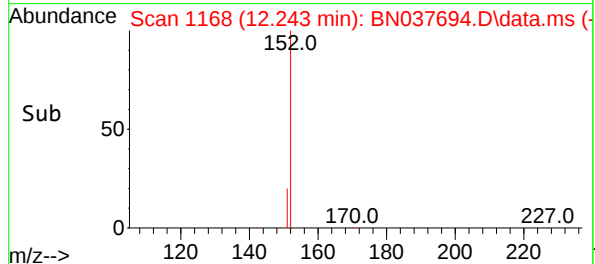
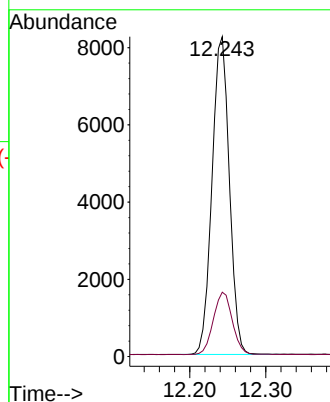
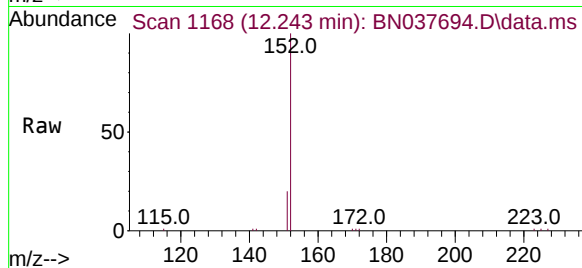




#11  
2-Methylnaphthalene-d10  
Concen: 0.721 ng  
RT: 12.243 min Scan# 1168  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

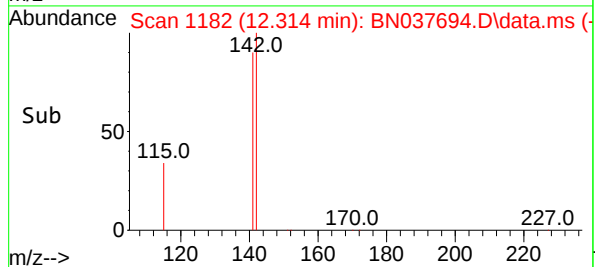
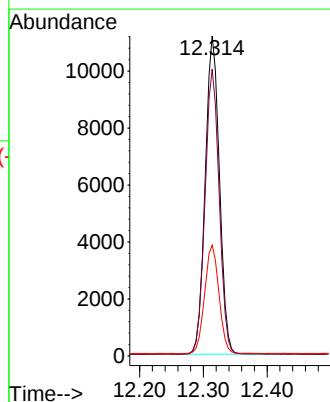
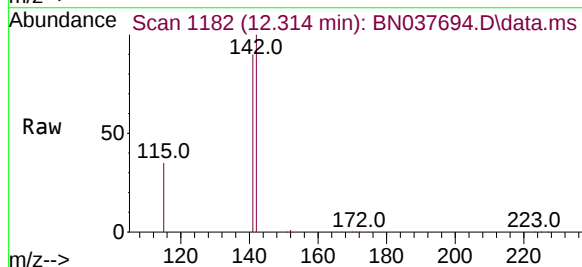
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

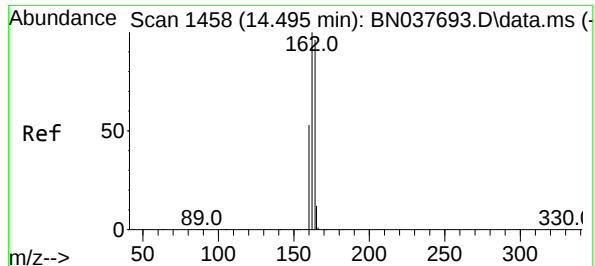
Tgt Ion:152 Resp: 13053  
Ion Ratio Lower Upper  
152 100  
151 21.5 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 0.749 ng  
RT: 12.314 min Scan# 1182  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

Tgt Ion:142 Resp: 17311  
Ion Ratio Lower Upper  
142 100  
141 89.6 71.6 107.4  
115 34.6 28.6 43.0

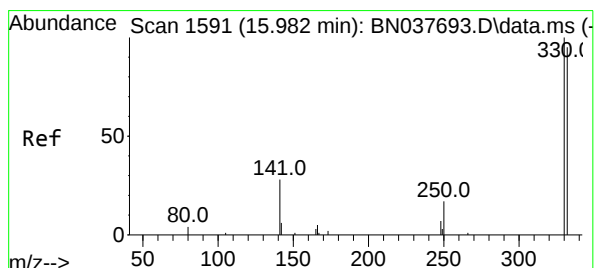
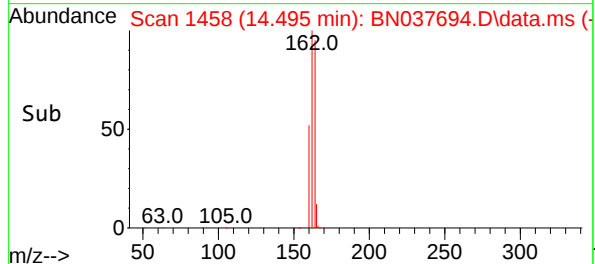
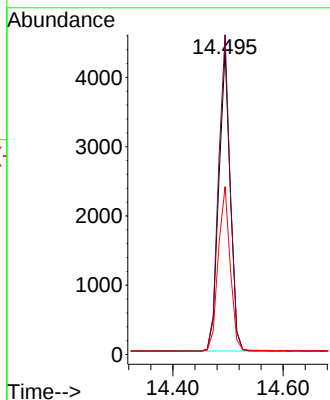
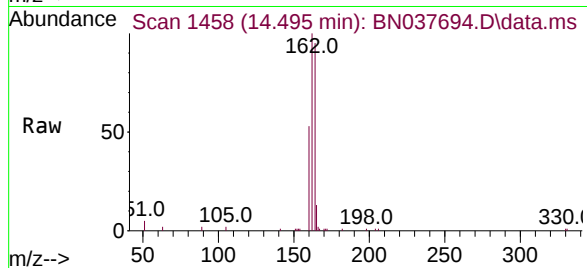




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.495 min Scan# 1458  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

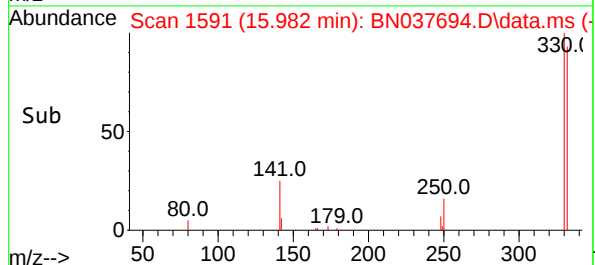
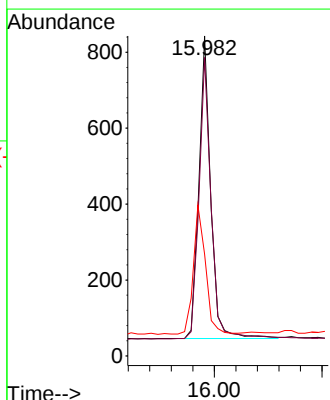
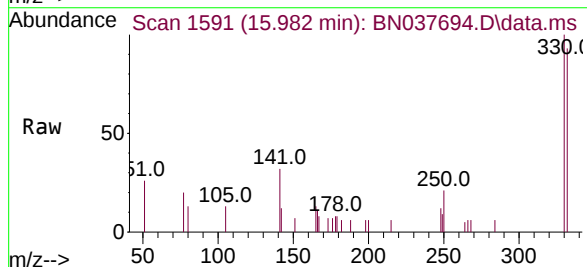
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

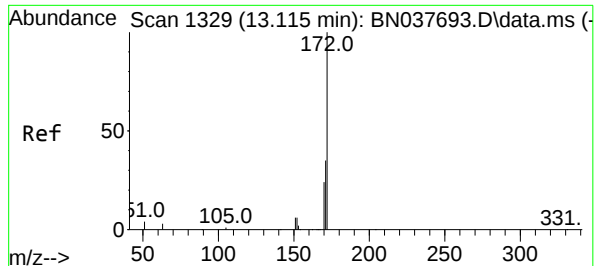
| Tgt Ion | 164   | Resp: | 6297  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 164     | 100   |       |       |
| 162     | 105.3 | 83.1  | 124.7 |
| 160     | 55.3  | 44.3  | 66.5  |



#14  
2,4,6-Tribromophenol  
Concen: 0.737 ng  
RT: 15.982 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

| Tgt Ion | 330   | Resp: | 1211  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 330     | 100   |       |       |
| 332     | 95.7  | 75.3  | 112.9 |
| 141     | 43.4  | 35.0  | 52.4  |

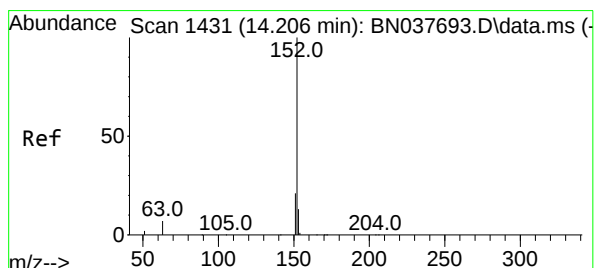
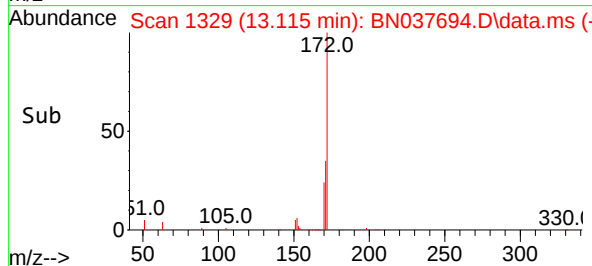
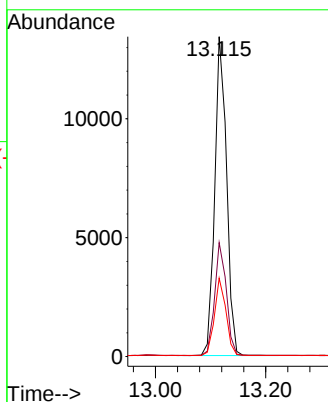
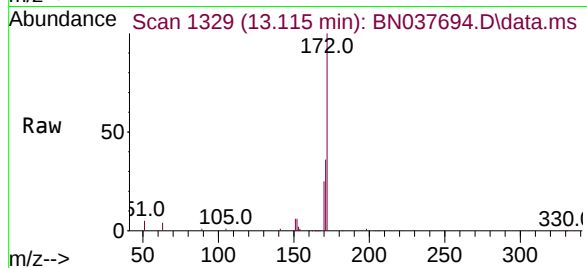




#15  
2-Fluorobiphenyl  
Concen: 0.758 ng  
RT: 13.115 min Scan# 1329  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

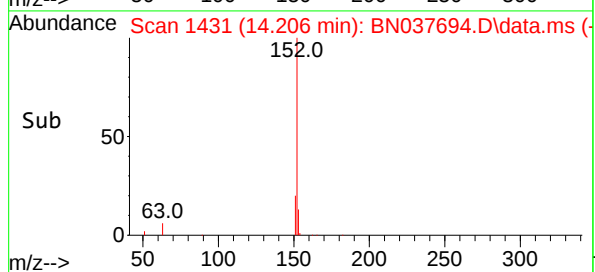
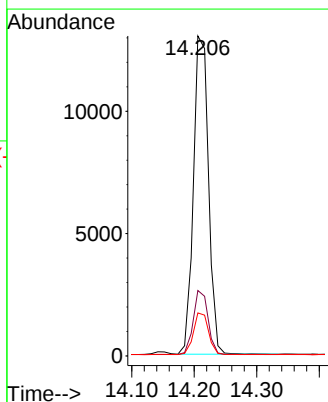
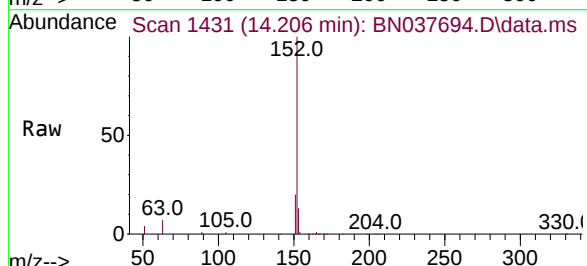
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

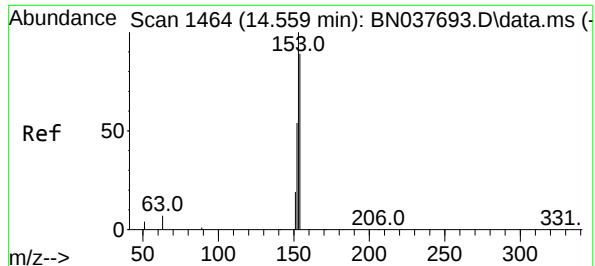
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 28.6  | 43.0  |
| 170     | 24.5  | 19.8  | 29.8  |



#16  
Acenaphthylene  
Concen: 0.753 ng  
RT: 14.206 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.8  | 16.2  | 24.2  |
| 153     | 13.1  | 10.4  | 15.6  |

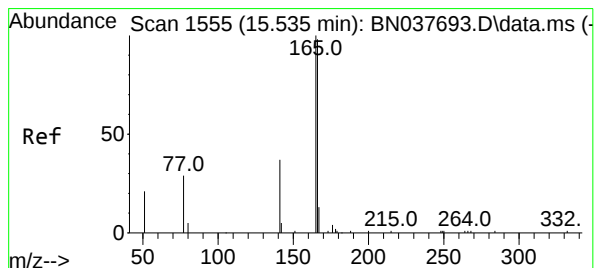
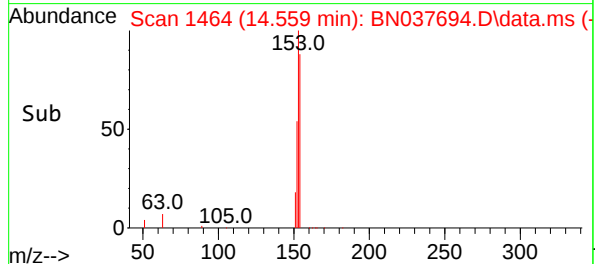
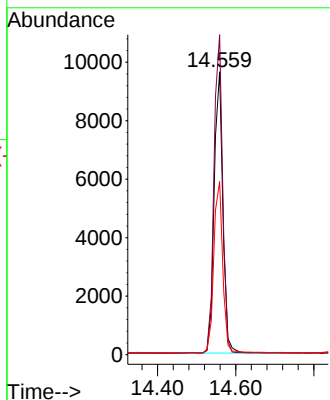
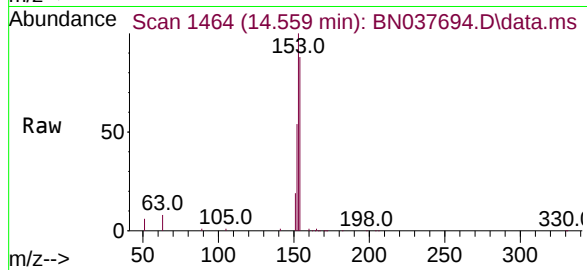




#17  
Acenaphthene  
Concen: 0.765 ng  
RT: 14.559 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

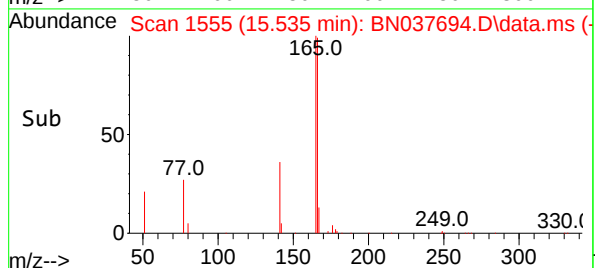
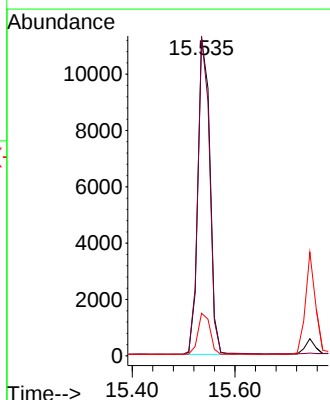
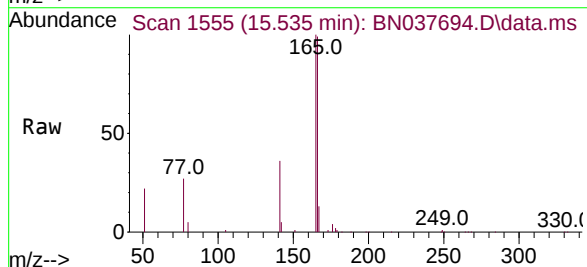
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

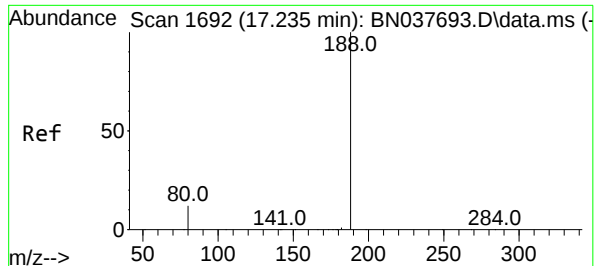
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 112.2 | 89.8  | 134.8 |
| 152     | 62.5  | 50.2  | 75.2  |



#18  
Fluorene  
Concen: 0.756 ng  
RT: 15.535 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 96.2  | 79.6  | 119.4 |
| 167     | 13.0  | 10.6  | 16.0  |





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.235 min Scan# 1692

Delta R.T. -0.000 min

Lab File: BN037694.D

Acq: 11 Sep 2025 11:44

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.8

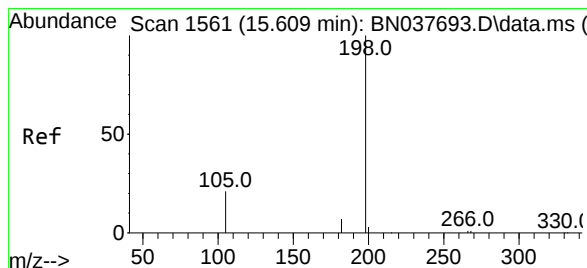
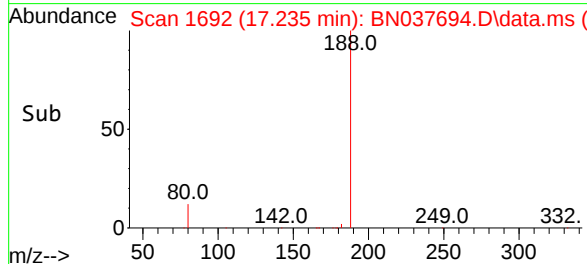
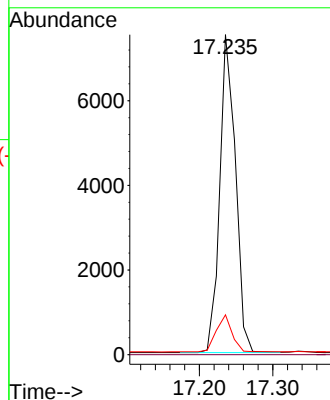
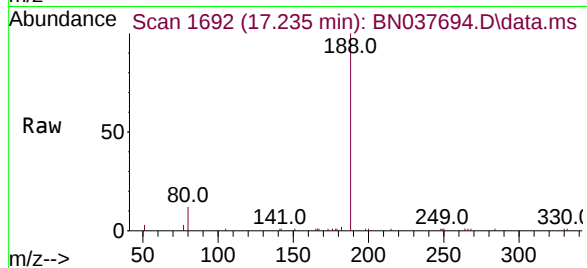
Tgt Ion:188 Resp: 11247

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.4 10.6 15.8



#20

4,6-Dinitro-2-methylphenol

Concen: 0.721 ng

RT: 15.609 min Scan# 1561

Delta R.T. 0.000 min

Lab File: BN037694.D

Acq: 11 Sep 2025 11:44

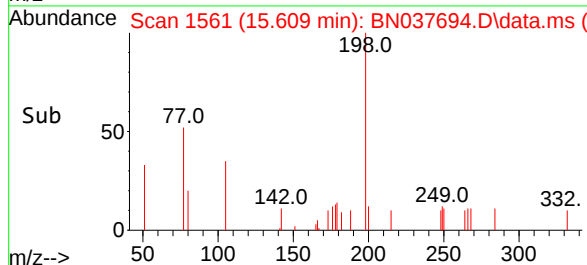
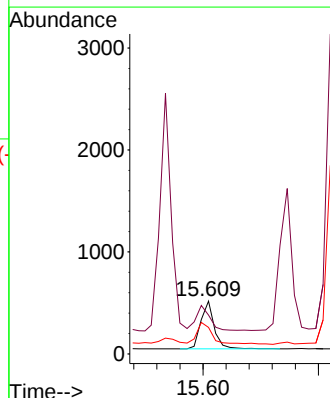
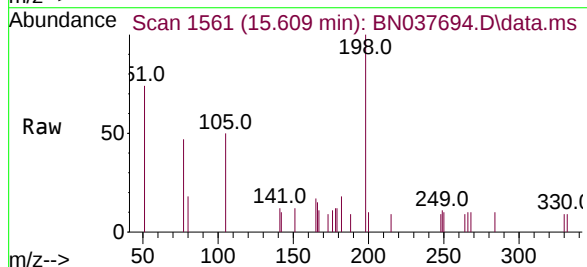
Tgt Ion:198 Resp: 751

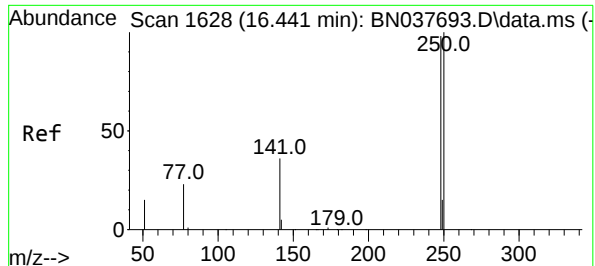
Ion Ratio Lower Upper

198 100

51 73.7 95.1 142.7#

105 50.3 53.8 80.6#

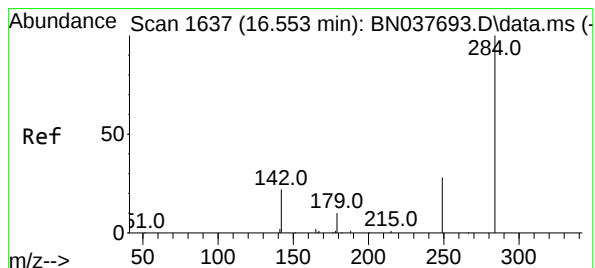
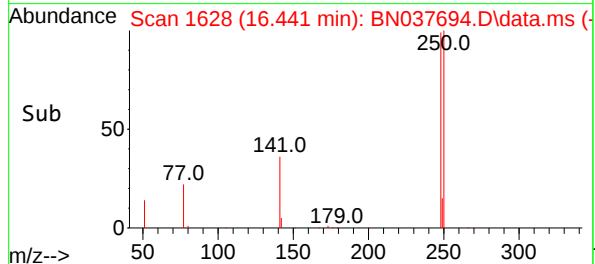
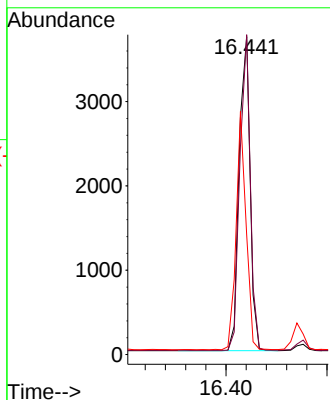
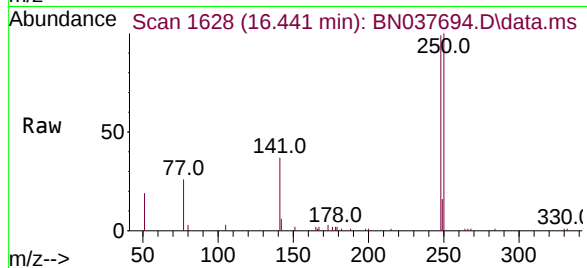




#21  
4-Bromophenyl-phenylether  
Concen: 0.760 ng  
RT: 16.441 min Scan# 1628  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

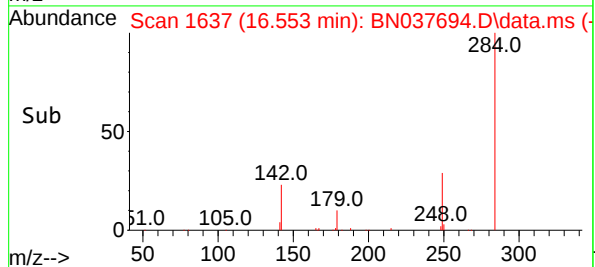
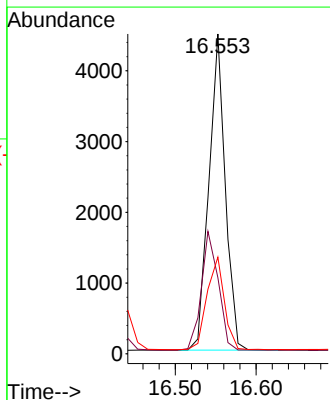
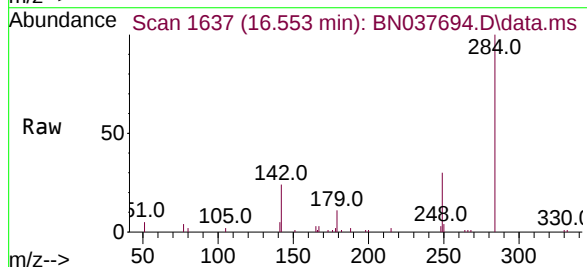
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

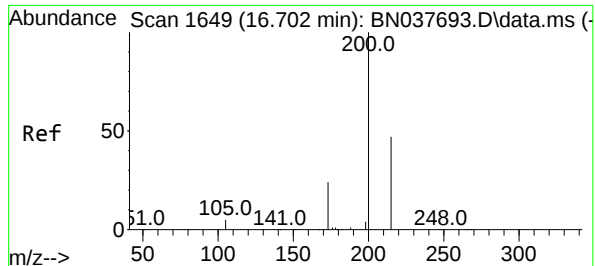
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 100.6 | 81.5  | 122.3 |
| 141     | 37.7  | 30.8  | 46.2  |



#22  
Hexachlorobenzene  
Concen: 0.747 ng  
RT: 16.553 min Scan# 1637  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 39.1  | 30.9  | 46.3  |
| 249     | 31.2  | 24.8  | 37.2  |

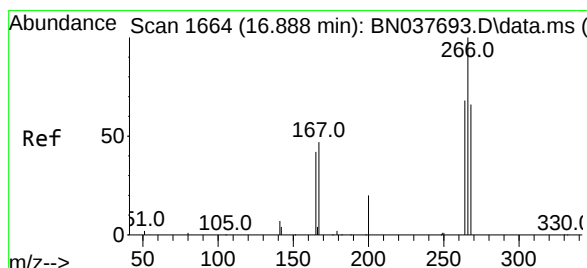
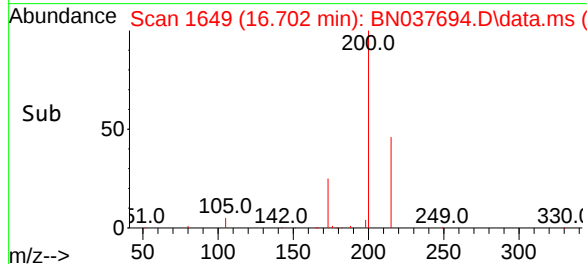
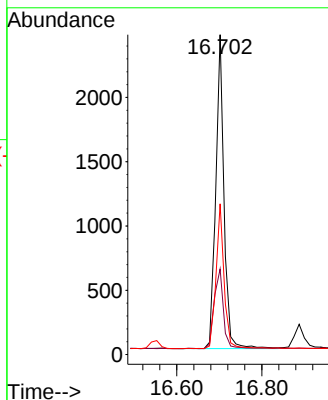
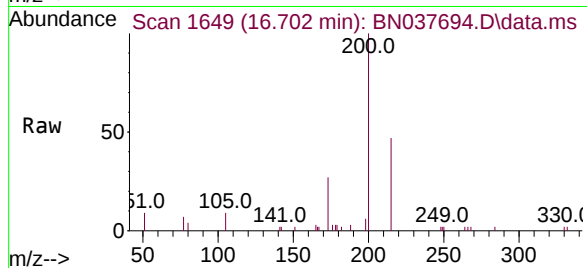




#23  
Atrazine  
Concen: 0.705 ng  
RT: 16.702 min Scan# 1649  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

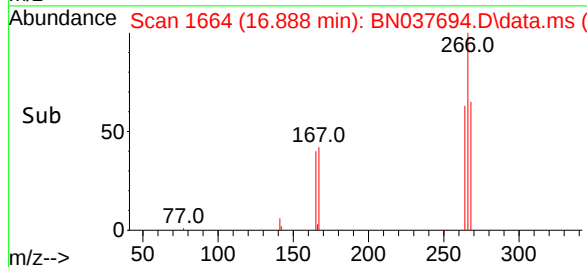
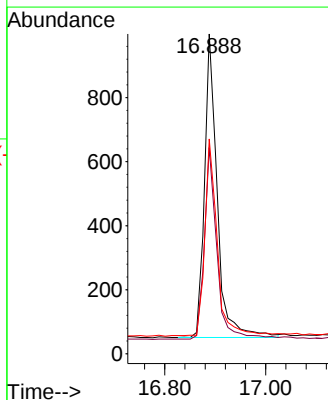
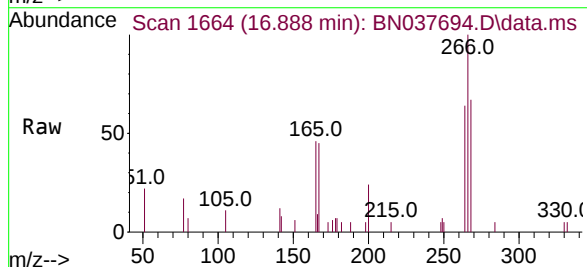
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

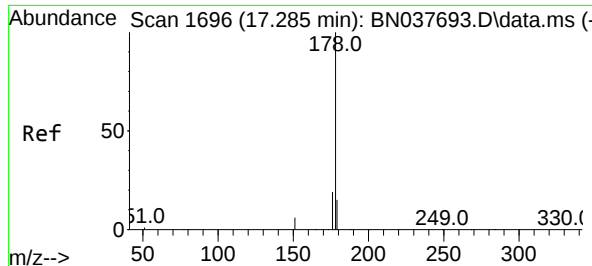
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 26.8  | 21.4  | 32.2  |
| 215     | 47.1  | 39.2  | 58.8  |



#24  
Pentachlorophenol  
Concen: 0.674 ng  
RT: 16.888 min Scan# 1664  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 61.9  | 51.6  | 77.4  |
| 268     | 64.7  | 53.2  | 79.8  |

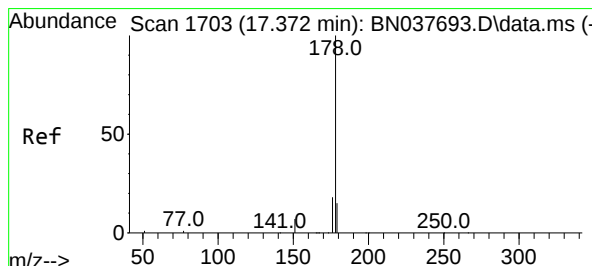
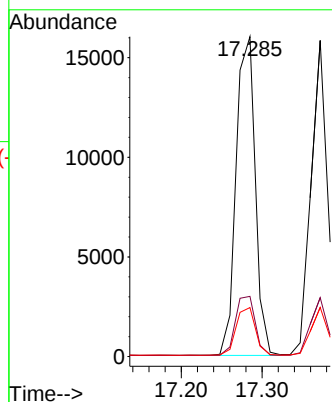
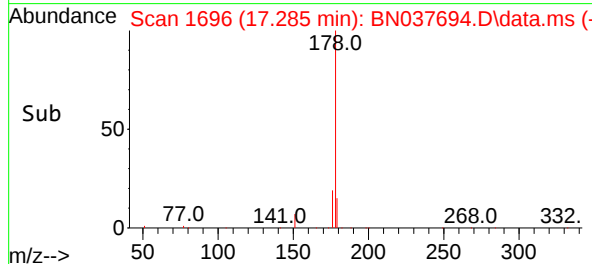
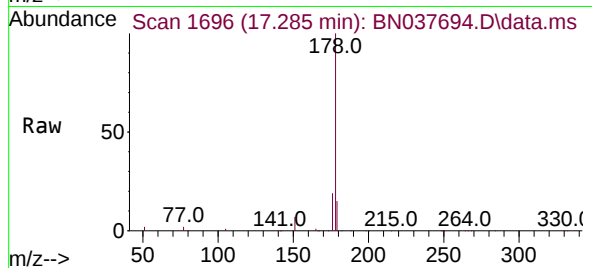




#25  
Phenanthrene  
Concen: 0.745 ng  
RT: 17.285 min Scan# 1696  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

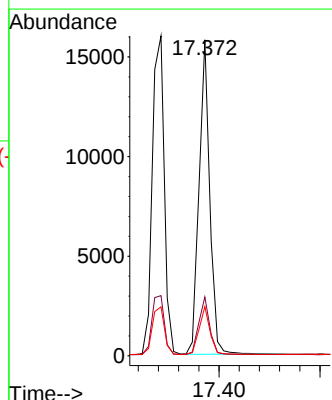
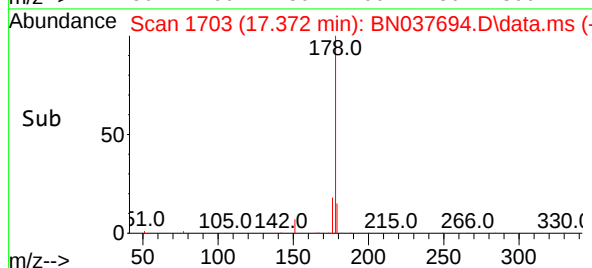
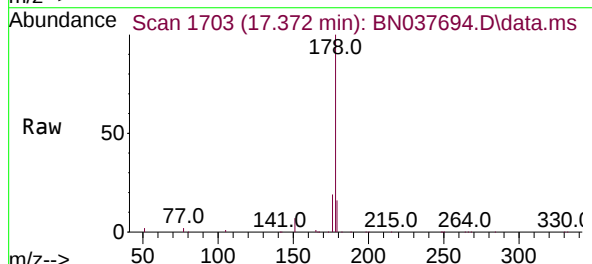
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

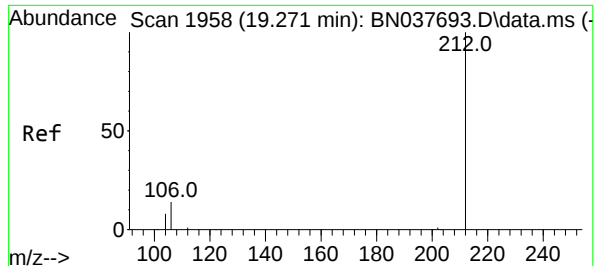
Tgt Ion:178 Resp: 26380  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.3 22.9  
179 15.1 12.2 18.2



#26  
Anthracene  
Concen: 0.739 ng  
RT: 17.372 min Scan# 1703  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

Tgt Ion:178 Resp: 23177  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.6 22.0  
179 15.2 12.2 18.4





#27

Fluoranthene-d10

Concen: 0.704 ng

RT: 19.271 min Scan# 1958

Delta R.T. -0.000 min

Lab File: BN037694.D

Acq: 11 Sep 2025 11:44

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.8

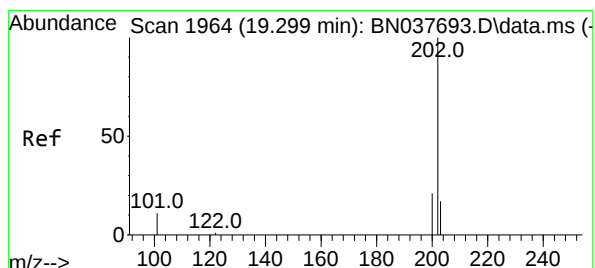
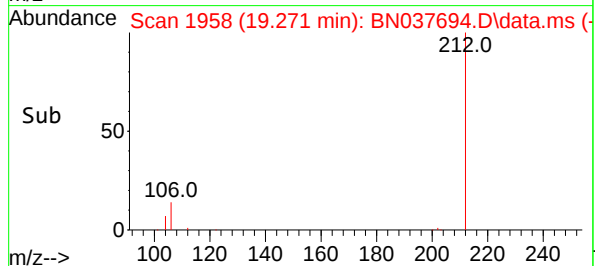
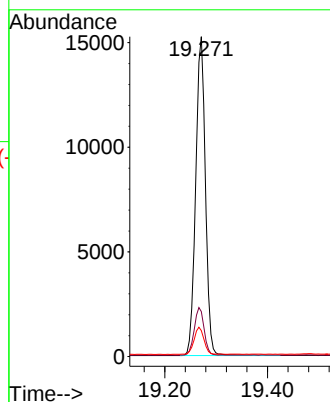
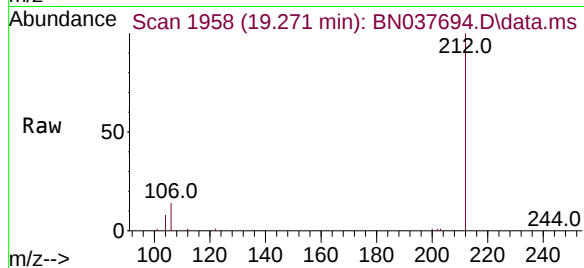
Tgt Ion:212 Resp: 19870

Ion Ratio Lower Upper

212 100

106 15.2 12.2 18.2

104 8.8 6.9 10.3



#28

Fluoranthene

Concen: 0.735 ng

RT: 19.299 min Scan# 1964

Delta R.T. -0.000 min

Lab File: BN037694.D

Acq: 11 Sep 2025 11:44

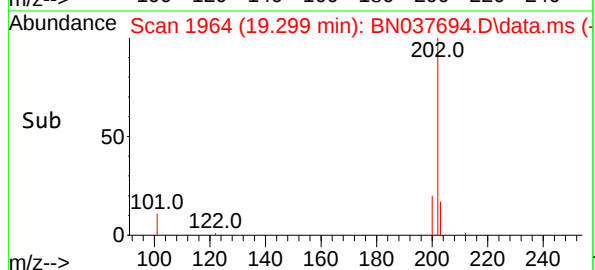
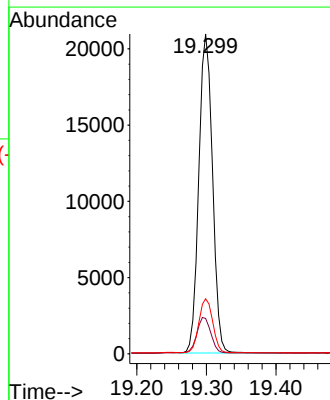
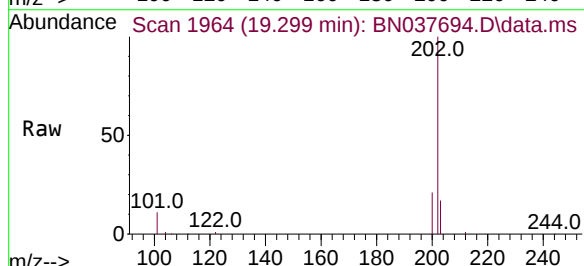
Tgt Ion:202 Resp: 28541

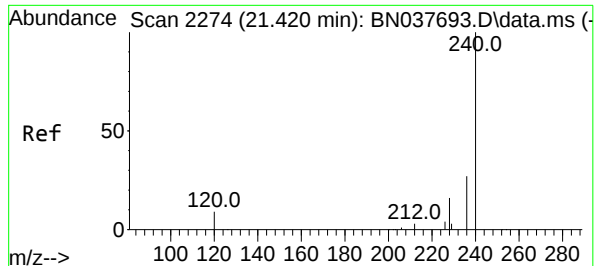
Ion Ratio Lower Upper

202 100

101 11.5 9.3 13.9

203 17.1 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.420 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037694.D

Acq: 11 Sep 2025 11:44

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.8

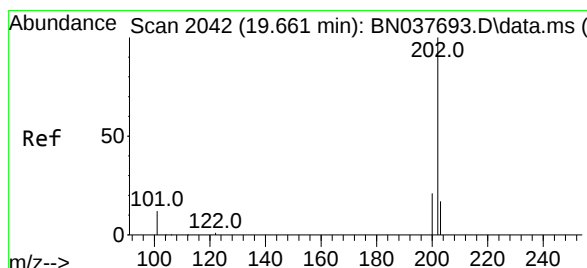
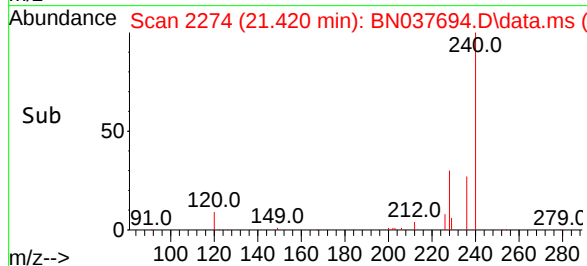
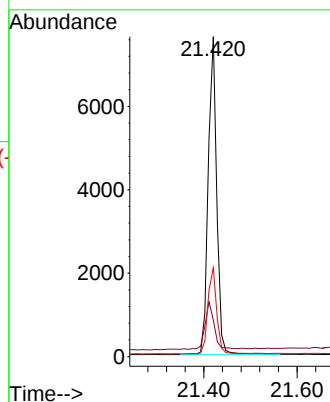
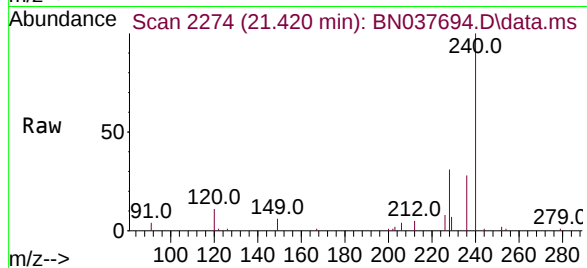
Tgt Ion:240 Resp: 9536

Ion Ratio Lower Upper

240 100

120 11.4 9.2 13.8

236 27.7 22.6 33.8



#30

Pyrene

Concen: 0.752 ng

RT: 19.661 min Scan# 2042

Delta R.T. -0.000 min

Lab File: BN037694.D

Acq: 11 Sep 2025 11:44

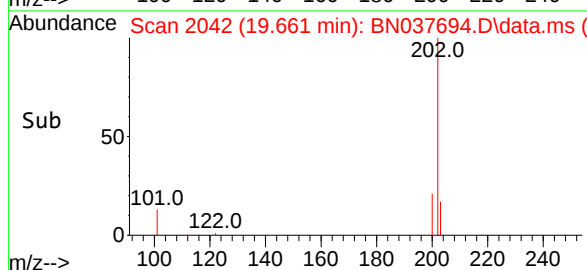
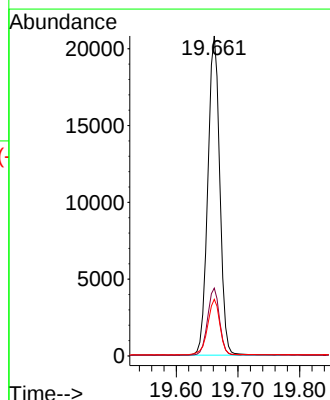
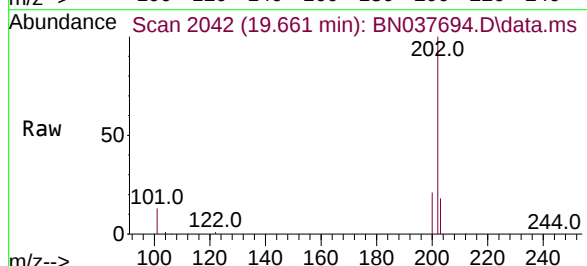
Tgt Ion:202 Resp: 28089

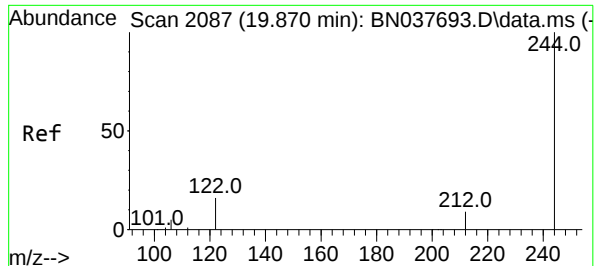
Ion Ratio Lower Upper

202 100

200 20.9 16.8 25.2

203 17.8 14.3 21.5

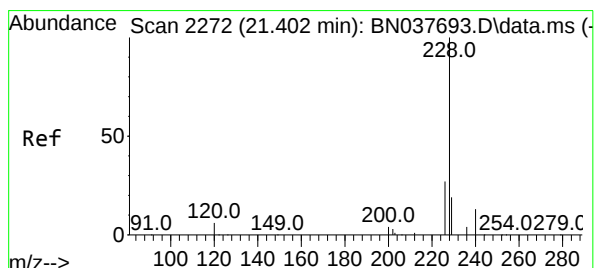
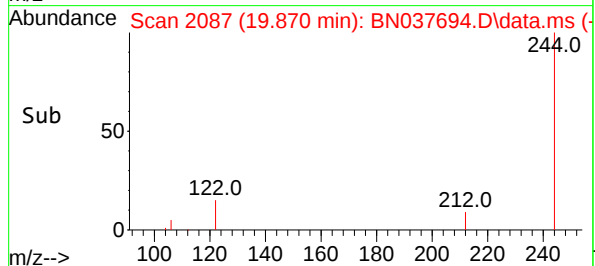
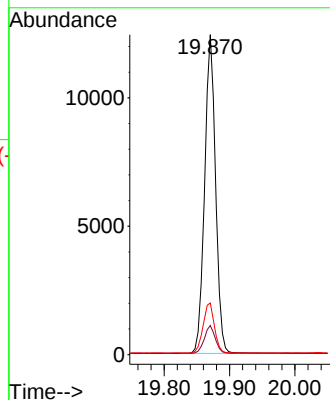
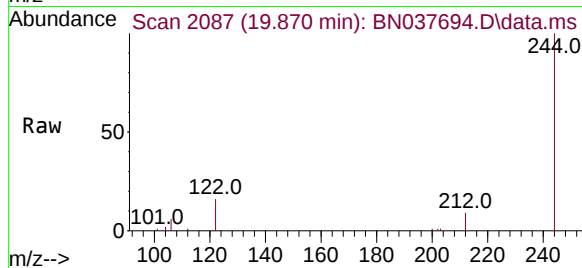




#31  
Terphenyl-d14  
Concen: 0.743 ng  
RT: 19.870 min Scan# 2087  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

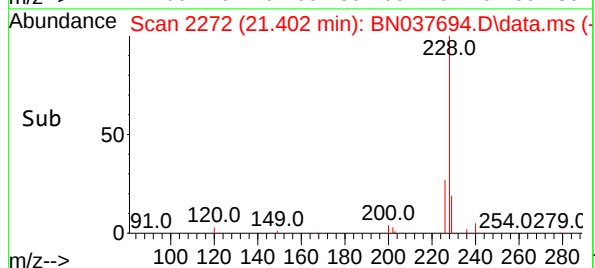
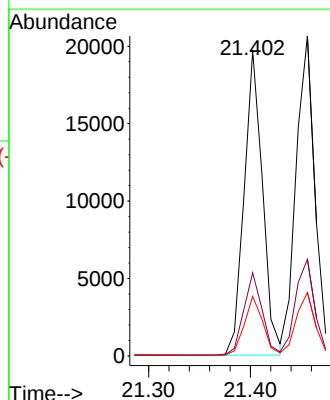
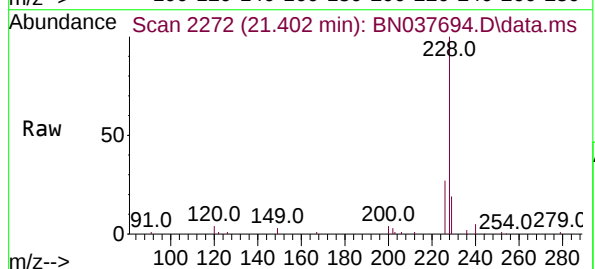
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

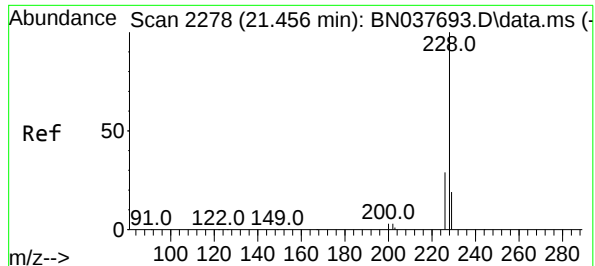
Tgt Ion:244 Resp: 14384  
Ion Ratio Lower Upper  
244 100  
212 9.1 7.5 11.3  
122 16.1 13.2 19.8



#32  
Benzo(a)anthracene  
Concen: 0.744 ng  
RT: 21.402 min Scan# 2272  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

Tgt Ion:228 Resp: 24740  
Ion Ratio Lower Upper  
228 100  
226 27.2 22.2 33.2  
229 19.5 15.8 23.6





#33

Chrysene

Concen: 0.750 ng

RT: 21.456 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037694.D

Acq: 11 Sep 2025 11:44

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.8

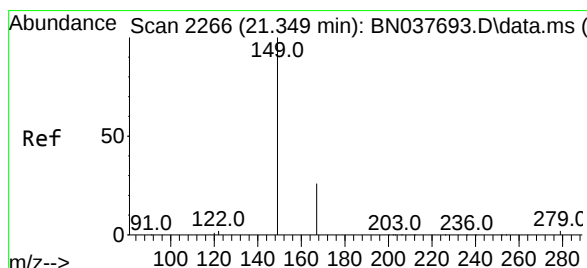
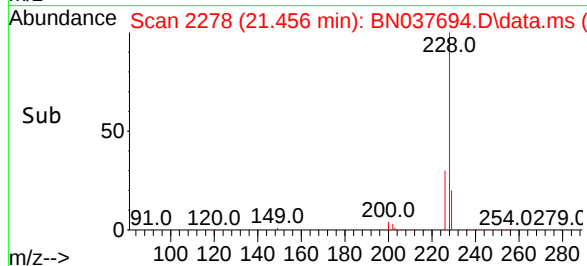
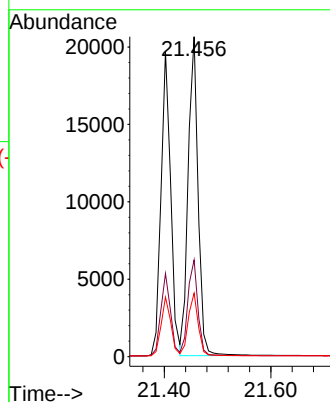
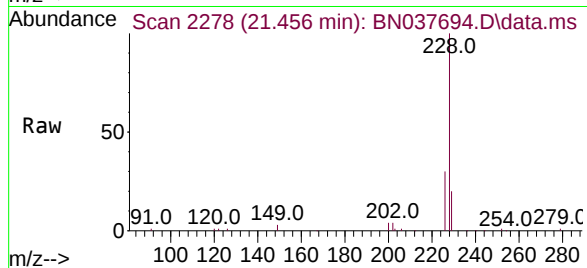
Tgt Ion:228 Resp: 26737

Ion Ratio Lower Upper

228 100

226 30.2 23.5 35.3

229 19.8 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.667 ng

RT: 21.349 min Scan# 2266

Delta R.T. -0.000 min

Lab File: BN037694.D

Acq: 11 Sep 2025 11:44

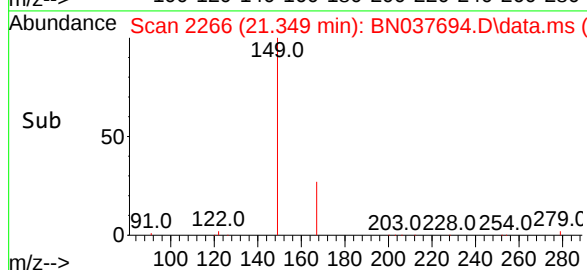
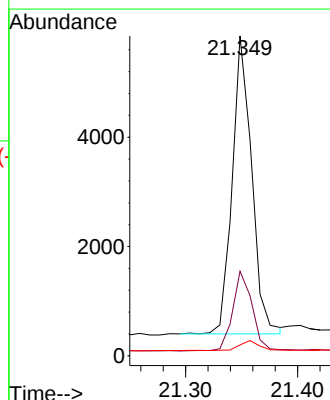
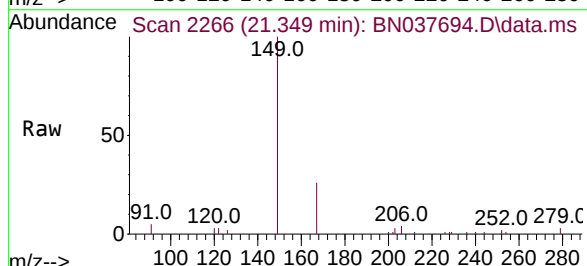
Tgt Ion:149 Resp: 6579

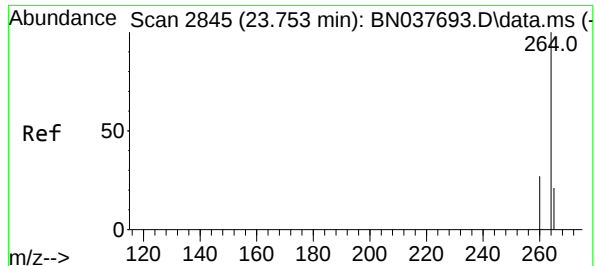
Ion Ratio Lower Upper

149 100

167 27.1 20.8 31.2

279 3.3 3.3 4.9

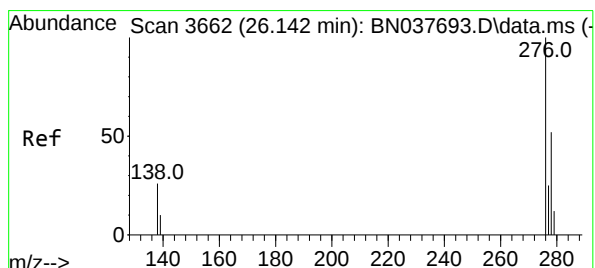
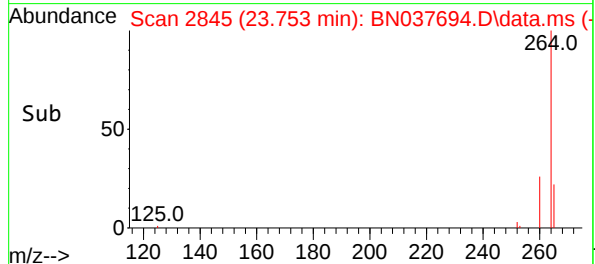
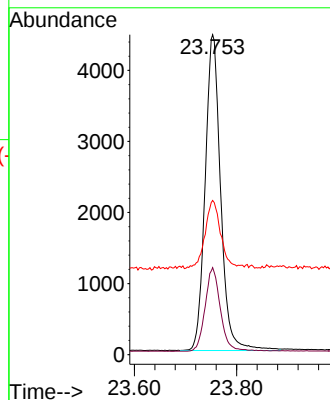
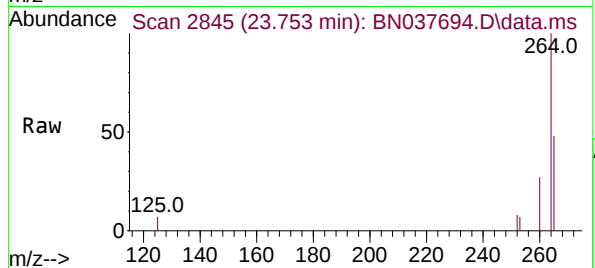




#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.753 min Scan# 2845  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

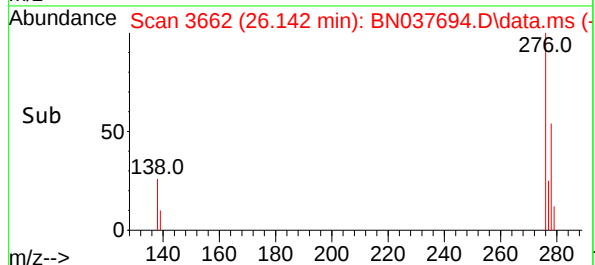
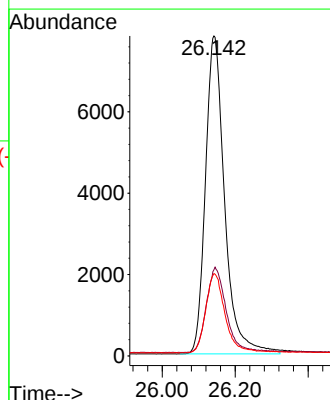
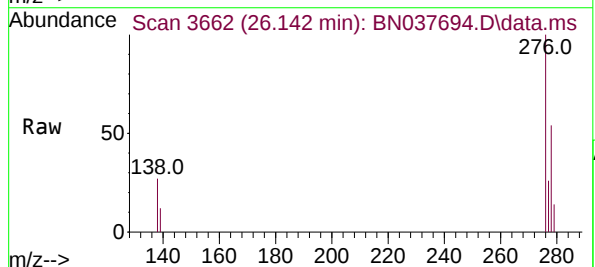
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC0.8

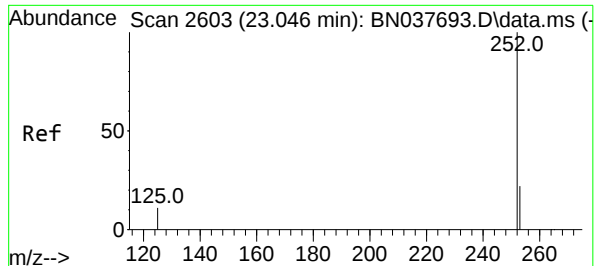
| Tgt Ion   | 264  | 260  | 265  |
|-----------|------|------|------|
| Resp:     | 9336 |      |      |
| Ion Ratio | 100  | 27.2 | 48.2 |
| Lower     |      | 21.8 | 39.4 |
| Upper     |      | 32.8 | 59.2 |



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.729 ng  
RT: 26.142 min Scan# 3662  
Delta R.T. -0.000 min  
Lab File: BN037694.D  
Acq: 11 Sep 2025 11:44

| Tgt Ion   | 276   | 138  | 277  |
|-----------|-------|------|------|
| Resp:     | 28614 |      |      |
| Ion Ratio | 100   | 27.5 | 25.0 |
| Lower     |       | 21.9 | 20.1 |
| Upper     |       | 32.9 | 30.1 |





#37

Benzo(b)fluoranthene

Concen: 0.733 ng

RT: 23.049 min Scan# 2604

Delta R.T. 0.003 min

Lab File: BN037694.D

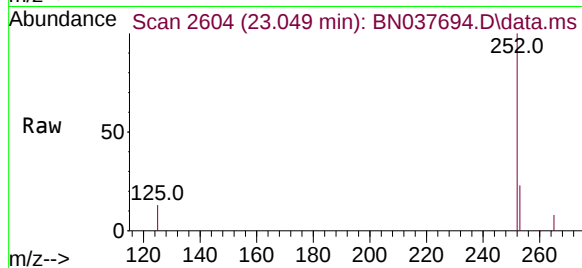
Acq: 11 Sep 2025 11:44

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.8



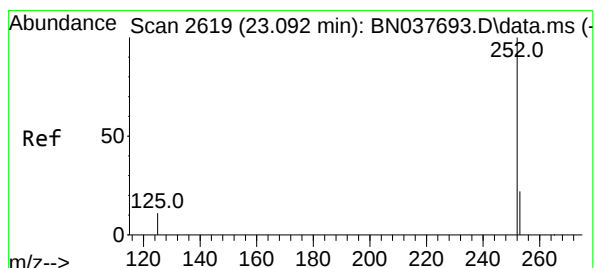
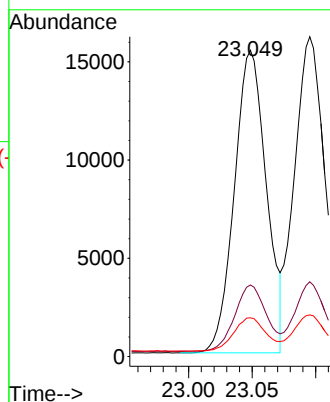
Tgt Ion:252 Resp: 26965

Ion Ratio Lower Upper

252 100

253 23.4 19.4 29.2

125 12.7 11.2 16.8



#38

Benzo(k)fluoranthene

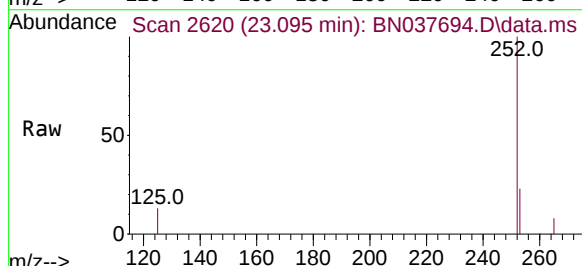
Concen: 0.748 ng

RT: 23.095 min Scan# 2620

Delta R.T. 0.003 min

Lab File: BN037694.D

Acq: 11 Sep 2025 11:44



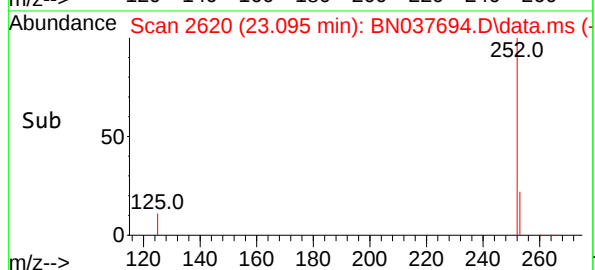
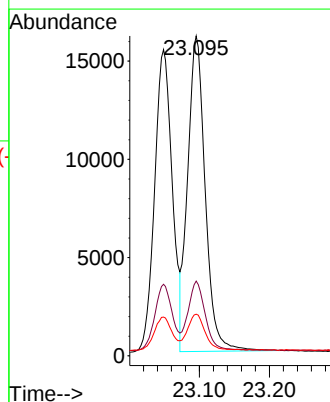
Tgt Ion:252 Resp: 28034

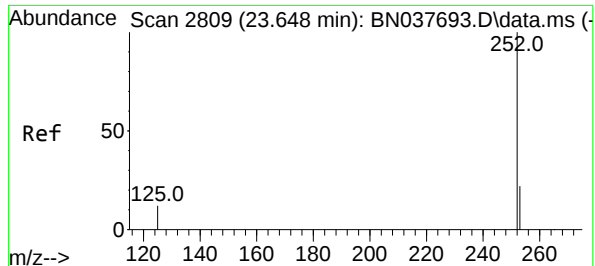
Ion Ratio Lower Upper

252 100

253 23.4 19.4 29.0

125 13.0 11.6 17.4





#39

Benzo(a)pyrene

Concen: 0.730 ng

RT: 23.651 min Scan# 2810

Delta R.T. 0.003 min

Lab File: BN037694.D

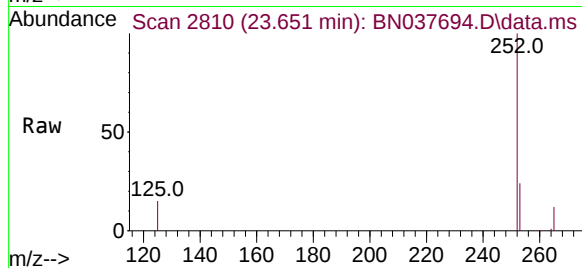
Acq: 11 Sep 2025 11:44

Instrument :

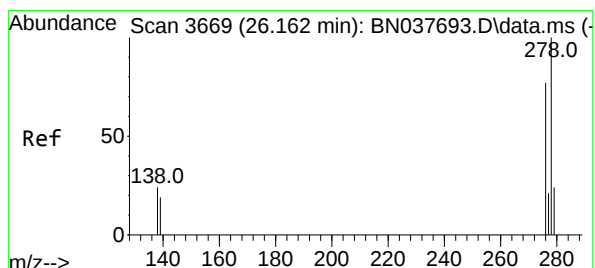
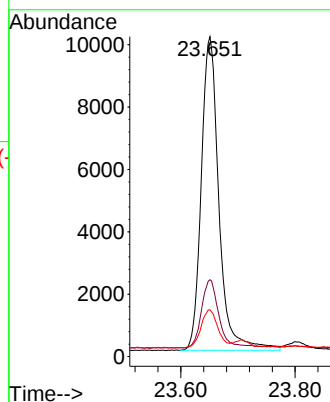
BNA\_N

ClientSampleId :

SSTDICC0.8



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 21496 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 24.0  | 20.8  | 31.2  |
| 125       | 14.6  | 13.9  | 20.9  |



#40

Dibenzo(a,h)anthracene

Concen: 0.735 ng

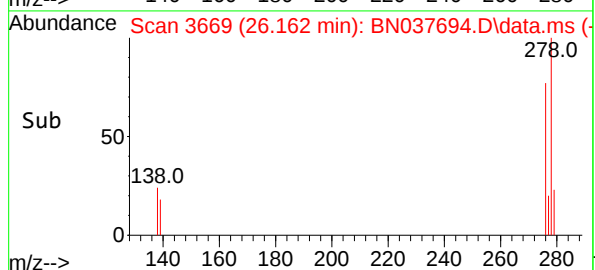
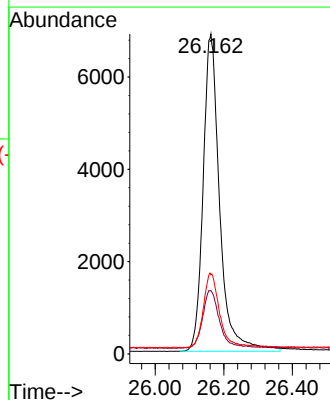
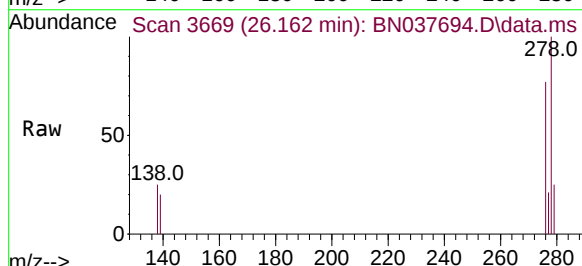
RT: 26.162 min Scan# 3669

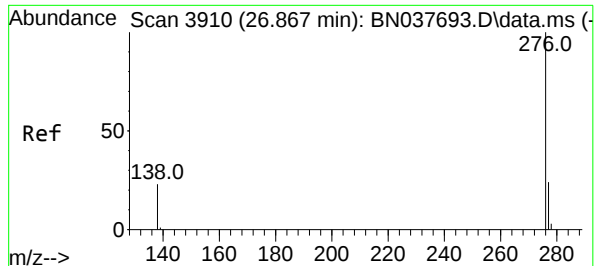
Delta R.T. -0.000 min

Lab File: BN037694.D

Acq: 11 Sep 2025 11:44

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 23010 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 19.8  | 17.8  | 26.6  |
| 279       | 24.7  | 22.0  | 33.0  |





#41

Benzo(g,h,i)perylene

Concen: 0.731 ng

RT: 26.867 min Scan# 3910

Delta R.T. -0.000 min

Lab File: BN037694.D

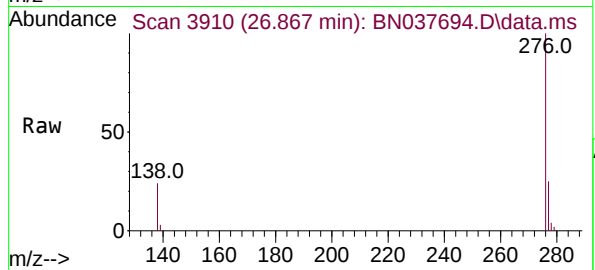
Acq: 11 Sep 2025 11:44

Instrument :

BNA\_N

ClientSampleId :

SSTDICC0.8



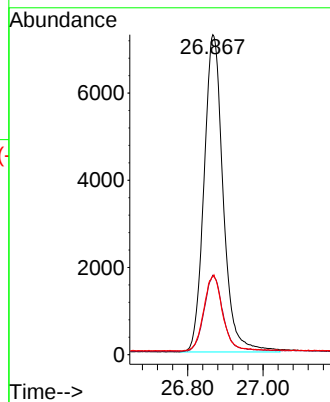
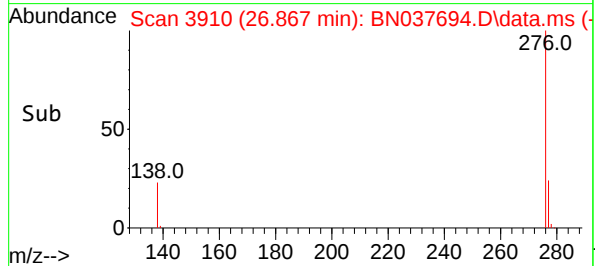
Tgt Ion:276 Resp: 25683

Ion Ratio Lower Upper

276 100

277 24.8 20.6 31.0

138 24.3 20.2 30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
 Data File : BN037695.D  
 Acq On : 11 Sep 2025 12:20  
 Operator : RC/JU  
 Sample : SSTDICC1.6  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC1.6

Quant Time: Sep 11 14:06:54 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:02:44 2025  
 Response via : Initial Calibration

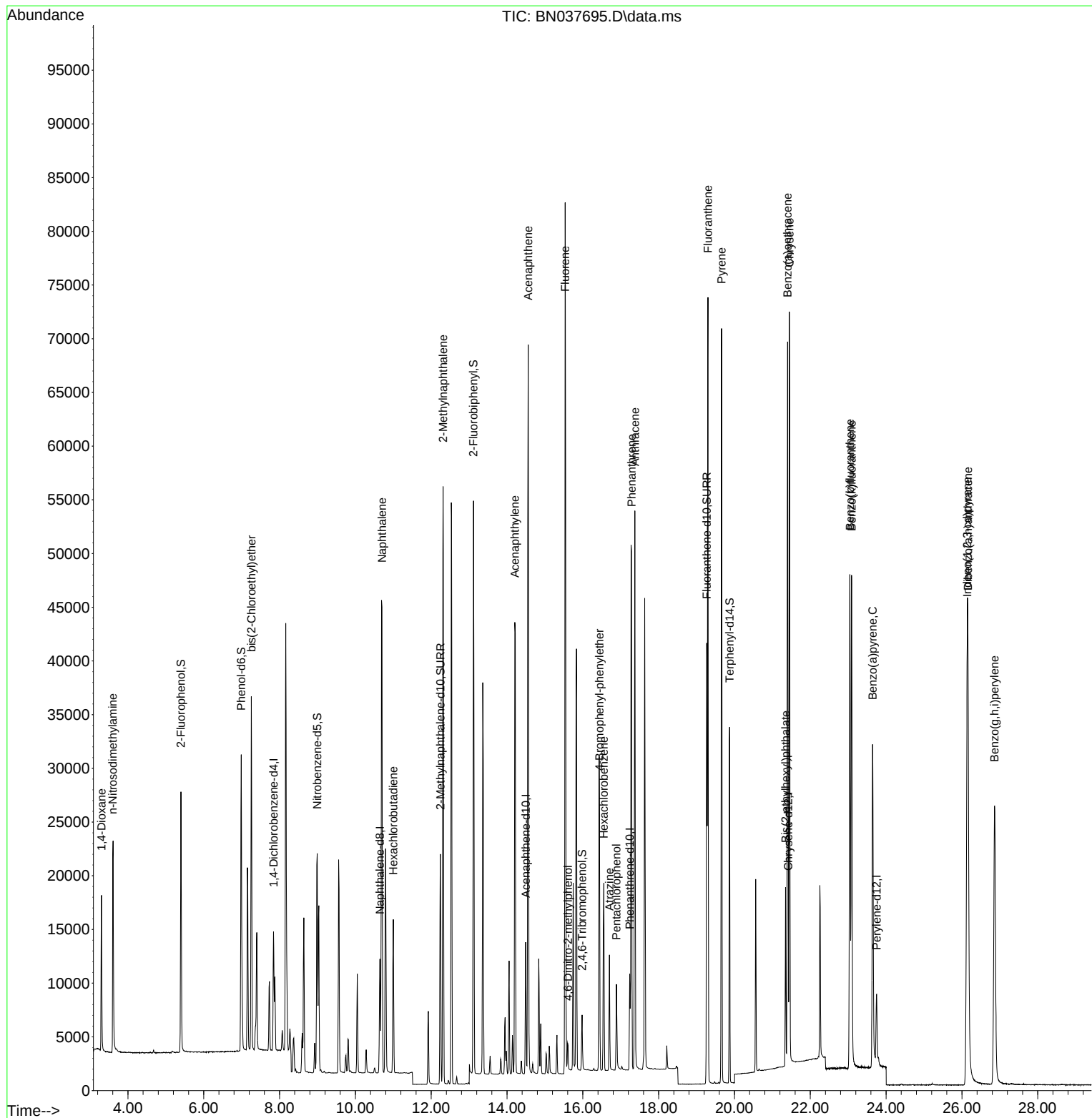
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.840  | 152  | 5277     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.648 | 136  | 13818    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.495 | 164  | 6567     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.236 | 188  | 11496    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.420 | 240  | 9743     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.750 | 264  | 9111     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.399  | 112  | 19252    | 1.589 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.988  | 99   | 25180    | 1.603 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.993  | 82   | 16386    | 1.621 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.243 | 152  | 28843    | 1.576 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.982 | 330  | 2959     | 1.728 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.116 | 172  | 44363    | 1.615 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.267 | 212  | 43876    | 1.520 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.871 | 244  | 31656    | 1.601 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.305  | 88   | 9125     | 1.660 | ng    | 98       |
| 3) n-Nitrosodimethylamine     | 3.601  | 42   | 11726    | 1.633 | ng    | # 96     |
| 6) bis(2-Chloroethyl)ether    | 7.255  | 93   | 22759    | 1.622 | ng    | 99       |
| 9) Naphthalene                | 10.701 | 128  | 61726    | 1.634 | ng    | 99       |
| 10) Hexachlorobutadiene       | 11.000 | 225  | 11208    | 1.640 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.314 | 142  | 38501    | 1.648 | ng    | 99       |
| 16) Acenaphthylene            | 14.206 | 152  | 49508    | 1.644 | ng    | 100      |
| 17) Acenaphthene              | 14.559 | 154  | 33424    | 1.641 | ng    | 99       |
| 18) Fluorene                  | 15.535 | 166  | 40588    | 1.646 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.610 | 198  | 1837     | 1.725 | ng    | # 46     |
| 21) 4-Bromophenyl-phenylether | 16.441 | 248  | 12511    | 1.669 | ng    | 98       |
| 22) Hexachlorobenzene         | 16.553 | 284  | 14034    | 1.628 | ng    | 99       |
| 23) Atrazine                  | 16.702 | 200  | 7765     | 1.628 | ng    | 97       |
| 24) Pentachlorophenol         | 16.888 | 266  | 3932     | 1.571 | ng    | 98       |
| 25) Phenanthrene              | 17.285 | 178  | 59082    | 1.632 | ng    | 100      |
| 26) Anthracene                | 17.372 | 178  | 52416    | 1.635 | ng    | 100      |
| 28) Fluoranthene              | 19.299 | 202  | 64074    | 1.614 | ng    | 100      |
| 30) Pyrene                    | 19.661 | 202  | 62457    | 1.638 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.402 | 228  | 54932    | 1.616 | ng    | 99       |
| 33) Chrysene                  | 21.447 | 228  | 58866    | 1.615 | ng    | 97       |
| 34) Bis(2-ethylhexyl)phtha... | 21.349 | 149  | 14814    | 1.470 | ng    | # 99     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.139 | 276  | 65254    | 1.705 | ng    | 100      |
| 37) Benzo(b)fluoranthene      | 23.043 | 252  | 59639    | 1.662 | ng    | 95       |
| 38) Benzo(k)fluoranthene      | 23.090 | 252  | 62123    | 1.698 | ng    | 96       |
| 39) Benzo(a)pyrene            | 23.645 | 252  | 47897    | 1.667 | ng    | # 92     |
| 40) Dibenzo(a,h)anthracene    | 26.159 | 278  | 53306    | 1.744 | ng    | 93       |
| 41) Benzo(g,h,i)perylene      | 26.858 | 276  | 57151    | 1.666 | ng    | 97       |
| -----                         |        |      |          |       |       |          |

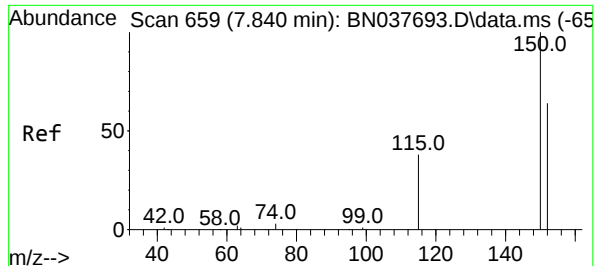
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
Data File : BN037695.D  
Acq On : 11 Sep 2025 12:20  
Operator : RC/JU  
Sample : SSTDICC1.6  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

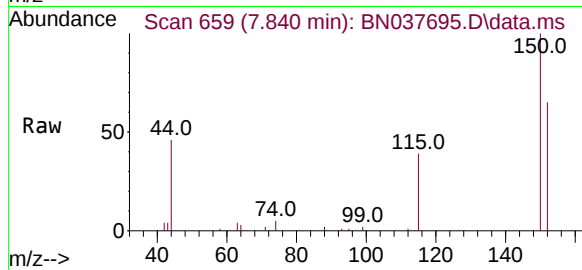
Quant Time: Sep 11 14:06:54 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 11 14:02:44 2025  
Response via : Initial Calibration



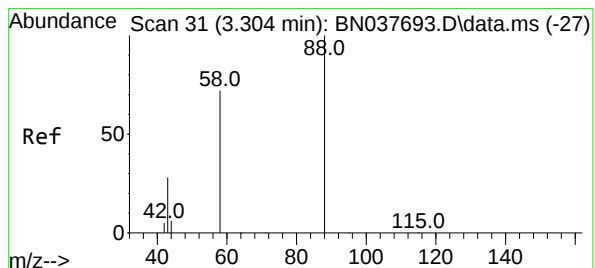
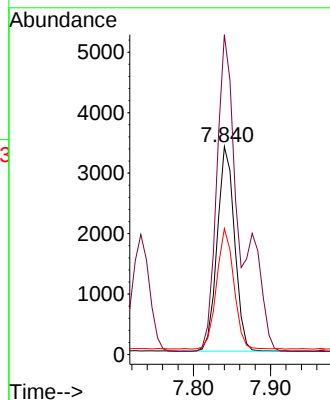
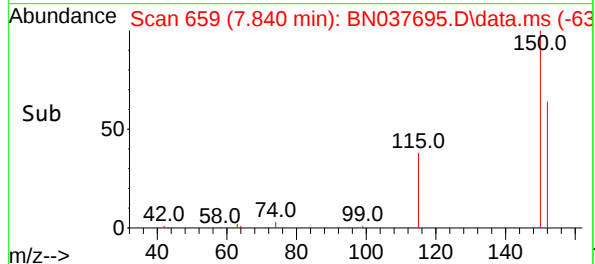


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.840 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

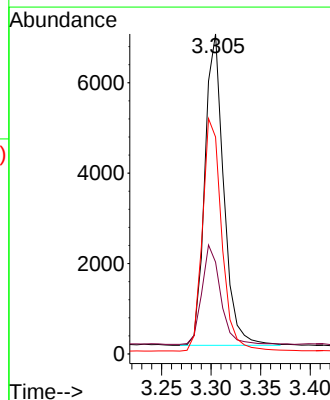
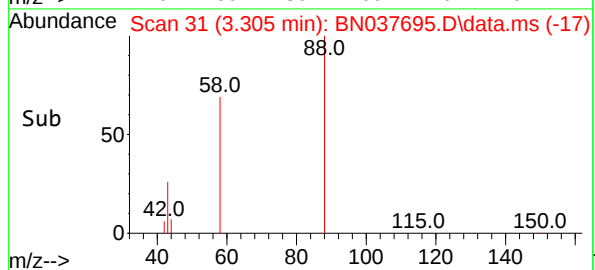
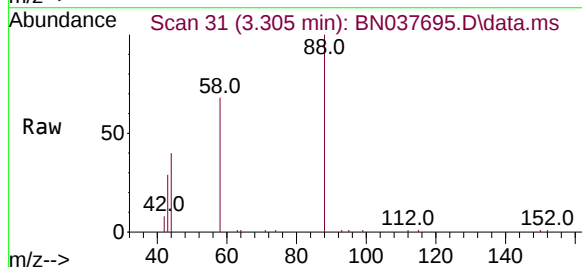


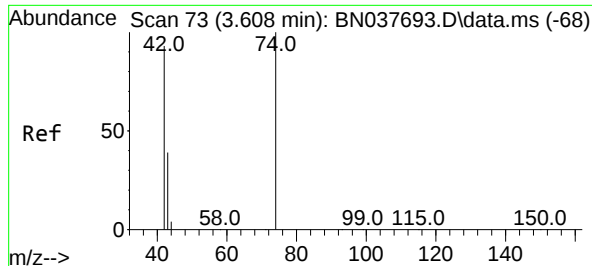
Tgt Ion:152 Resp: 5277  
Ion Ratio Lower Upper  
152 100  
150 153.9 124.5 186.7  
115 60.6 49.2 73.8



#2  
1,4-Dioxane  
Concen: 1.660 ng  
RT: 3.305 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

Tgt Ion: 88 Resp: 9125  
Ion Ratio Lower Upper  
88 100  
43 31.6 26.8 40.2  
58 76.5 61.9 92.9

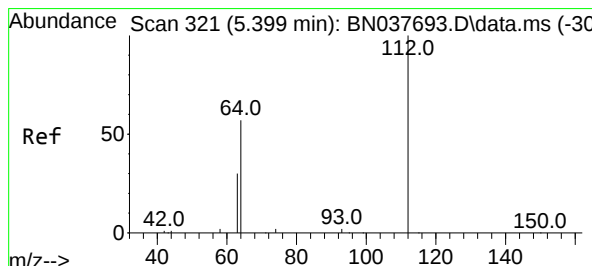
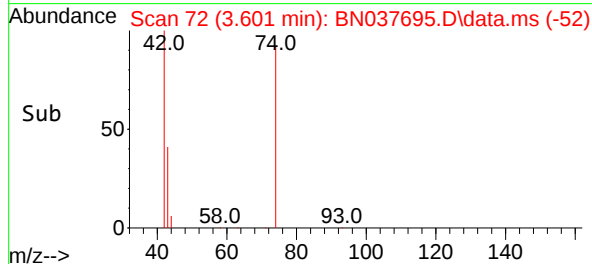
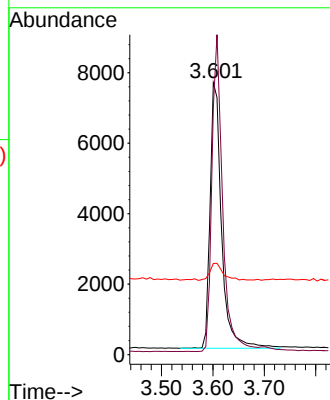
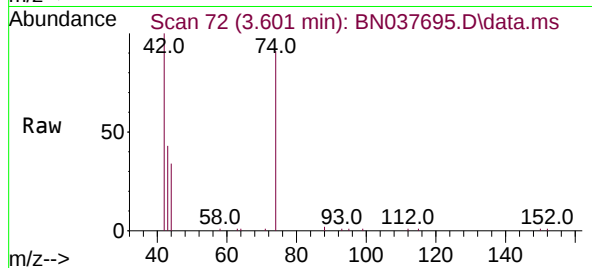




#3  
n-Nitrosodimethylamine  
Concen: 1.633 ng  
RT: 3.601 min Scan# 71  
Delta R.T. -0.007 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

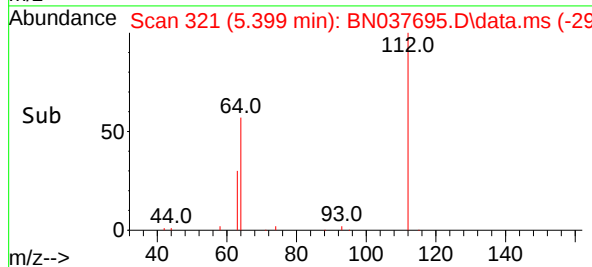
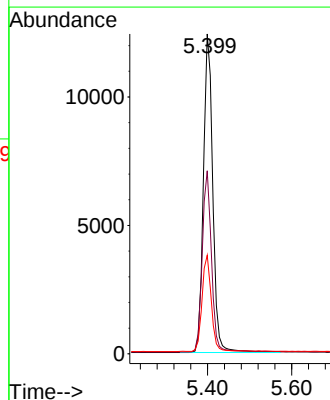
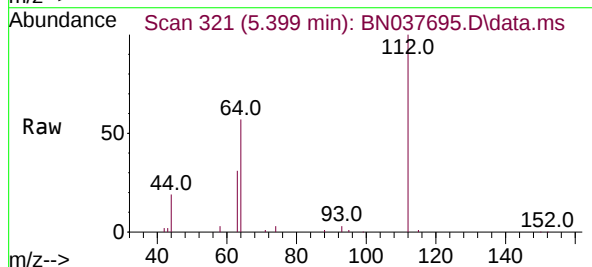
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

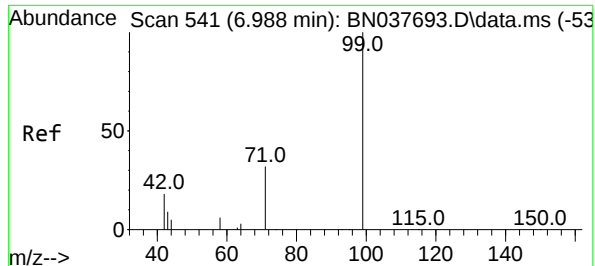
Tgt Ion: 42 Resp: 11726  
Ion Ratio Lower Upper  
42 100  
74 111.0 86.0 129.0  
44 7.4 8.4 12.6#



#4  
2-Fluorophenol  
Concen: 1.589 ng  
RT: 5.399 min Scan# 321  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

Tgt Ion: 112 Resp: 19252  
Ion Ratio Lower Upper  
112 100  
64 56.0 44.9 67.3  
63 29.9 24.7 37.1

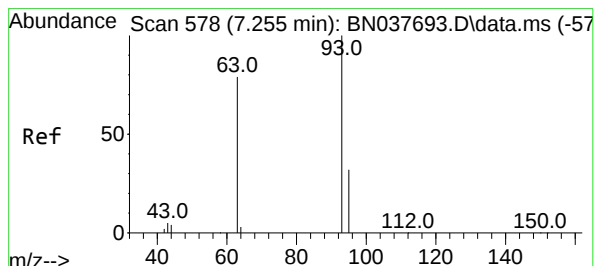
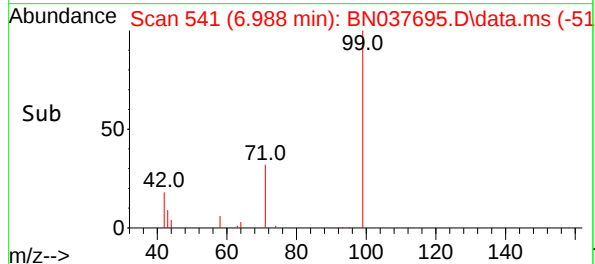
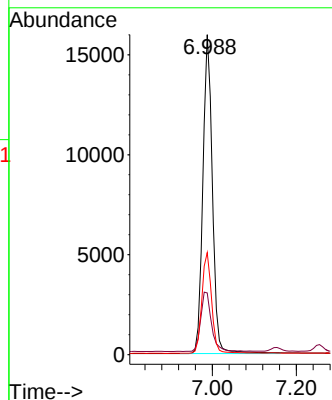
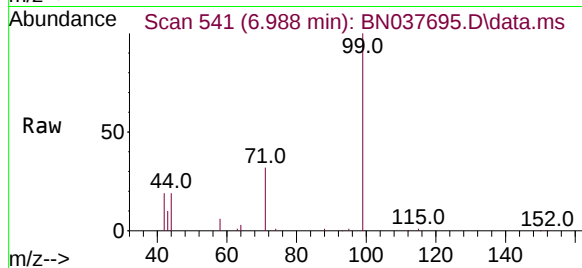




#5  
Phenol-d6  
Concen: 1.603 ng  
RT: 6.988 min Scan# 541  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

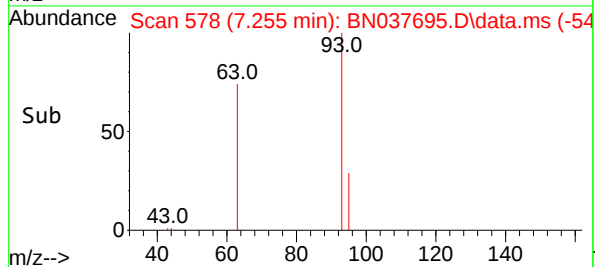
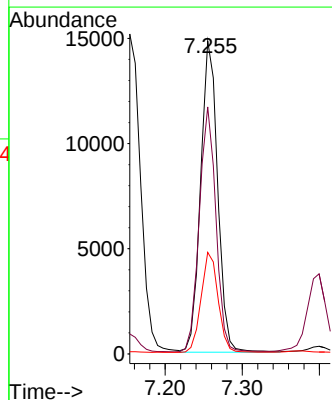
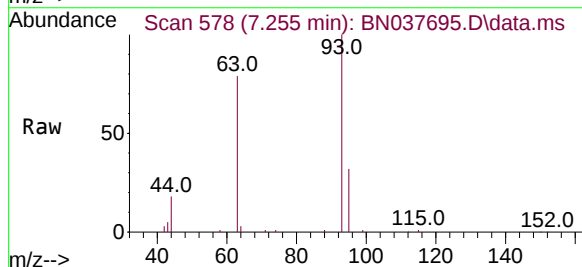
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

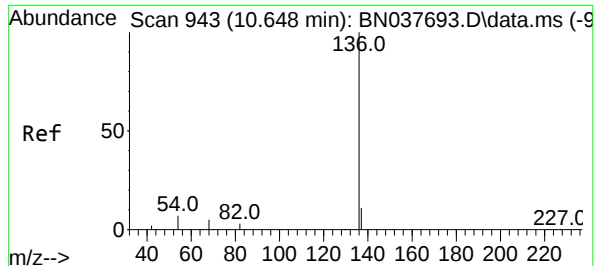
Tgt Ion: 99 Resp: 25180  
Ion Ratio Lower Upper  
99 100  
42 20.9 16.6 24.8  
71 32.5 26.7 40.1



#6  
bis(2-Chloroethyl)ether  
Concen: 1.622 ng  
RT: 7.255 min Scan# 578  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

Tgt Ion: 93 Resp: 22759  
Ion Ratio Lower Upper  
93 100  
63 76.7 60.6 90.8  
95 32.0 26.0 39.0

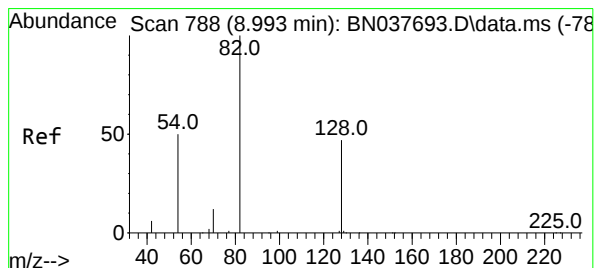
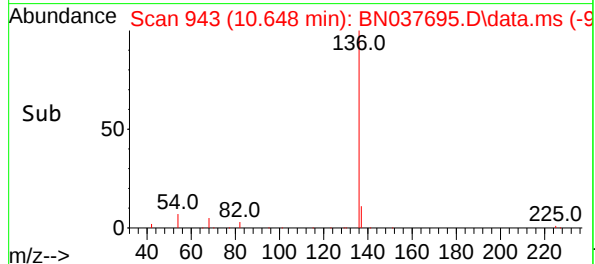
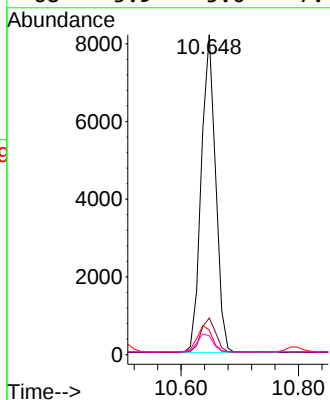
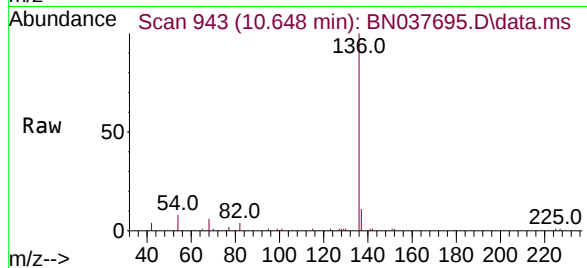




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.648 min Scan# 94  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

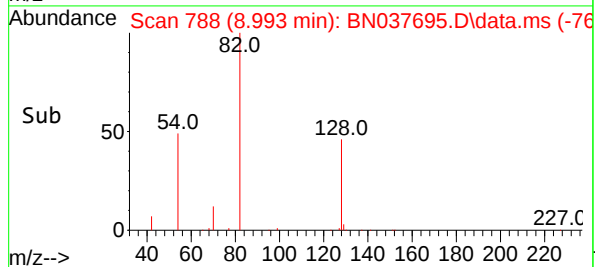
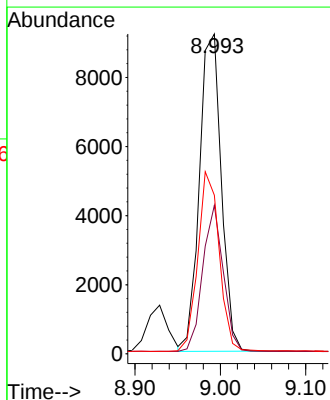
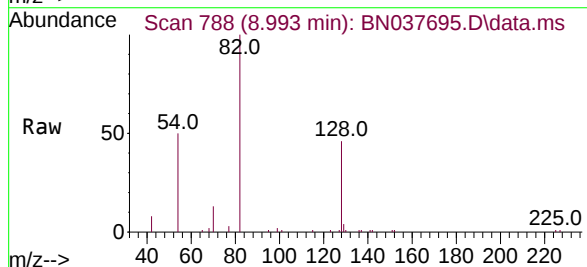
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

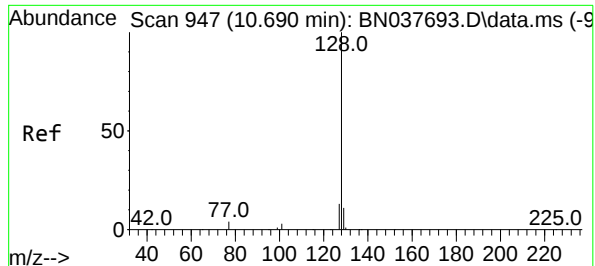
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 13818 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.4  | 9.1   | 13.7  |
| 54       | 7.7   | 6.3   | 9.5   |
| 68       | 5.9   | 5.0   | 7.4   |



#8  
Nitrobenzene-d5  
Concen: 1.621 ng  
RT: 8.993 min Scan# 788  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 16386 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 46.4  | 38.3  | 57.5  |
| 54       | 49.6  | 41.4  | 62.2  |

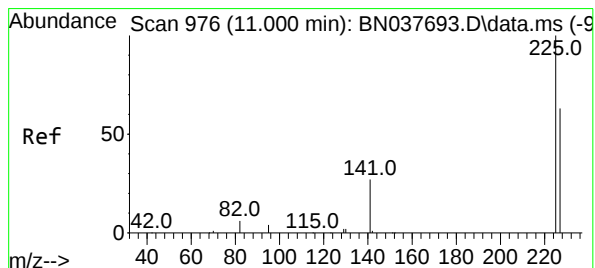
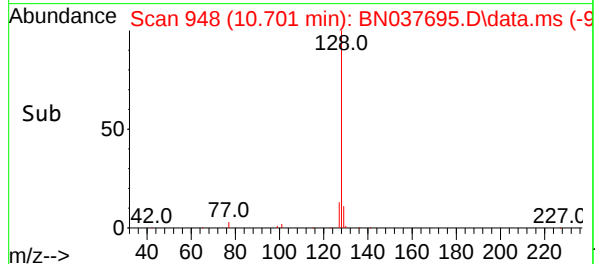
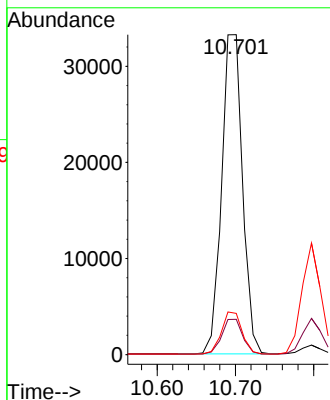
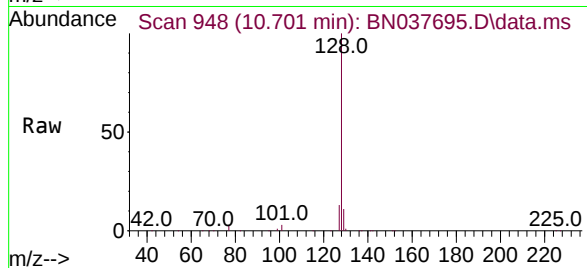




#9  
Naphthalene  
Concen: 1.634 ng  
RT: 10.701 min Scan# 948  
Delta R.T. 0.011 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

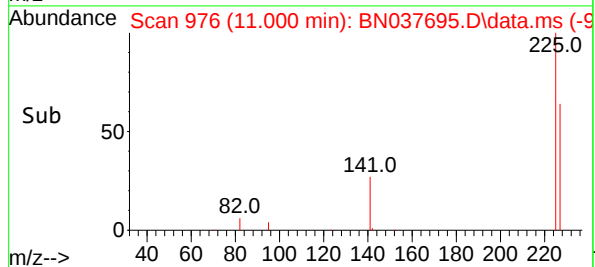
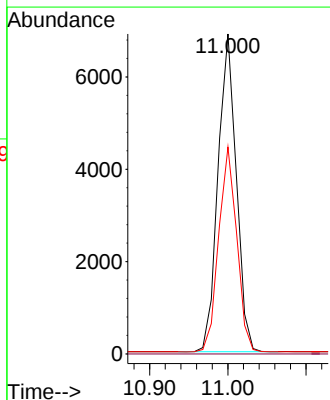
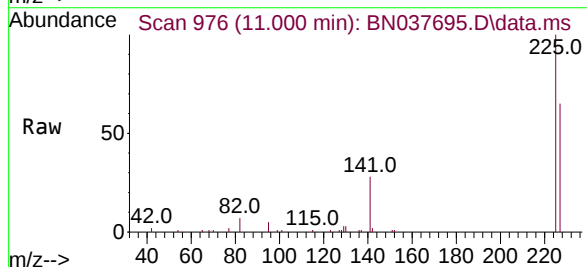
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

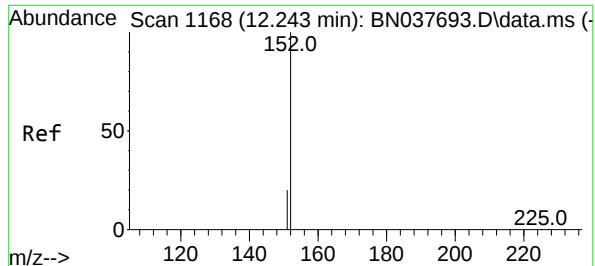
Tgt Ion:128 Resp: 61726  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.1 13.7  
127 12.9 10.9 16.3



#10  
Hexachlorobutadiene  
Concen: 1.640 ng  
RT: 11.000 min Scan# 976  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

Tgt Ion:225 Resp: 11208  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 63.7 50.9 76.3

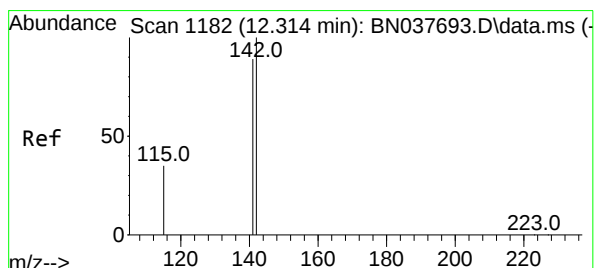
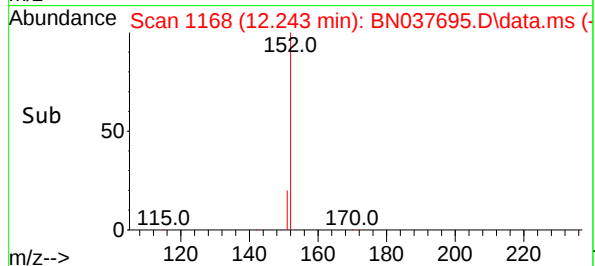
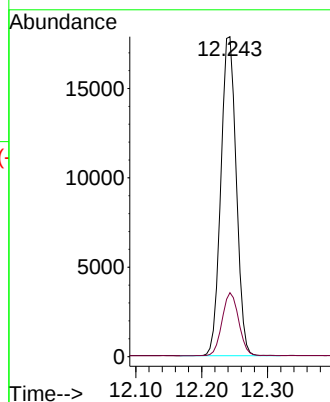
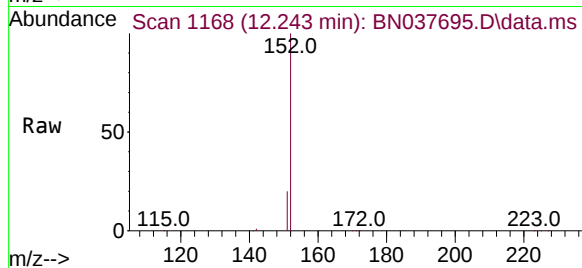




#11  
2-Methylnaphthalene-d10  
Concen: 1.576 ng  
RT: 12.243 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

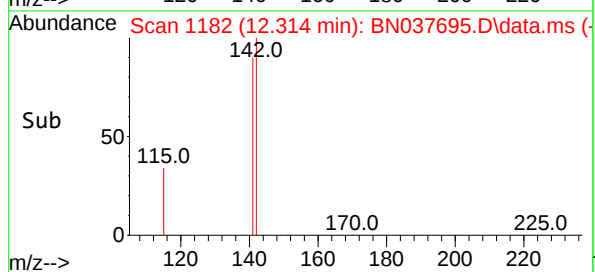
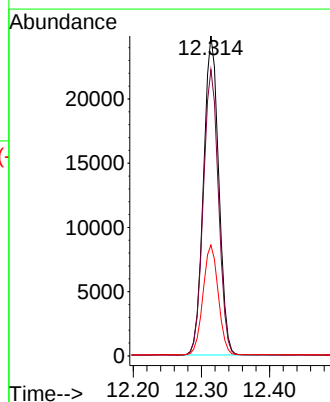
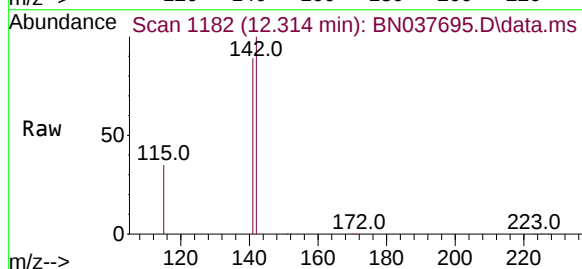
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

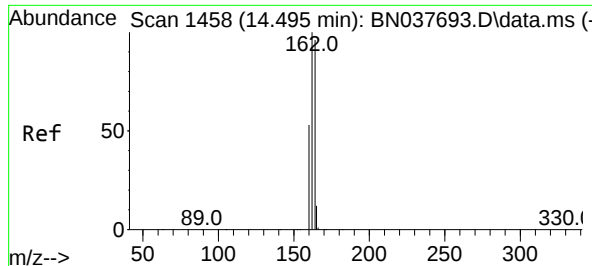
Tgt Ion:152 Resp: 28843  
Ion Ratio Lower Upper  
152 100  
151 21.3 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 1.648 ng  
RT: 12.314 min Scan# 1182  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

Tgt Ion:142 Resp: 38501  
Ion Ratio Lower Upper  
142 100  
141 89.5 71.6 107.4  
115 34.6 28.6 43.0

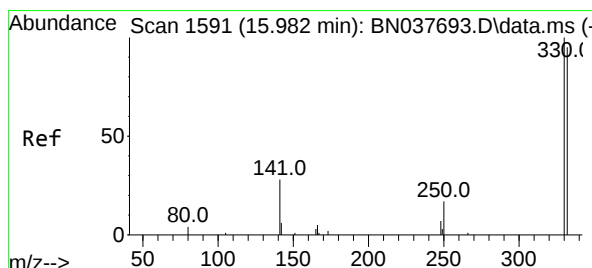
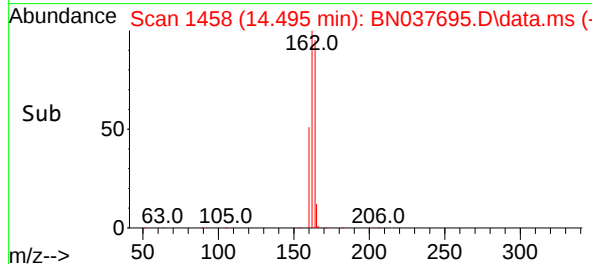
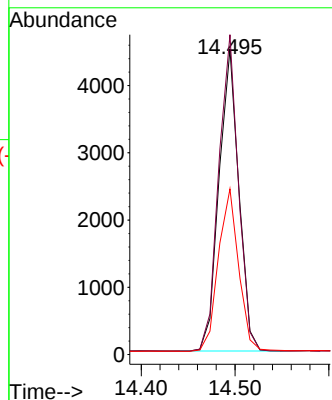
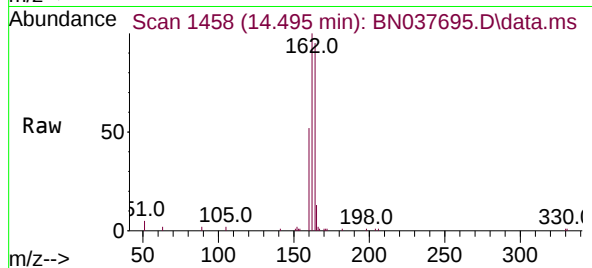




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.495 min Scan# 1458  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

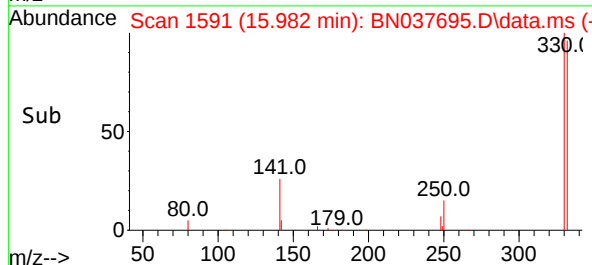
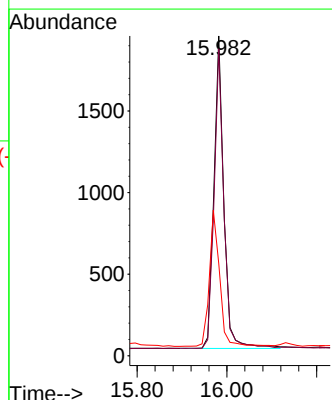
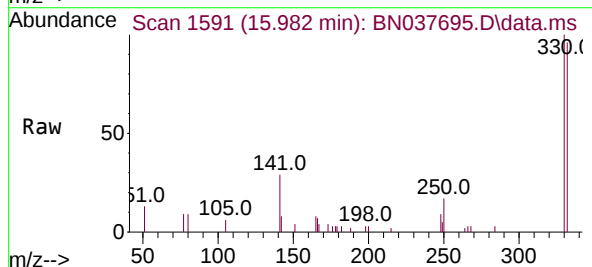
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

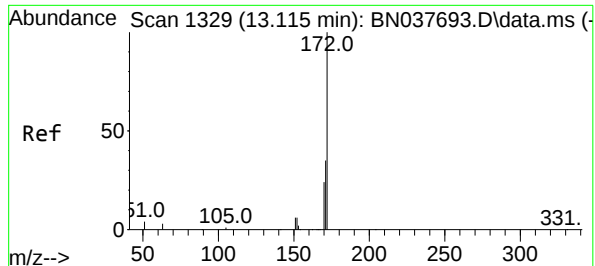
Tgt Ion:164 Resp: 6567  
Ion Ratio Lower Upper  
164 100  
162 104.8 83.1 124.7  
160 54.2 44.3 66.5



#14  
2,4,6-Tribromophenol  
Concen: 1.728 ng  
RT: 15.982 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

Tgt Ion:330 Resp: 2959  
Ion Ratio Lower Upper  
330 100  
332 95.0 75.3 112.9  
141 45.3 35.0 52.4

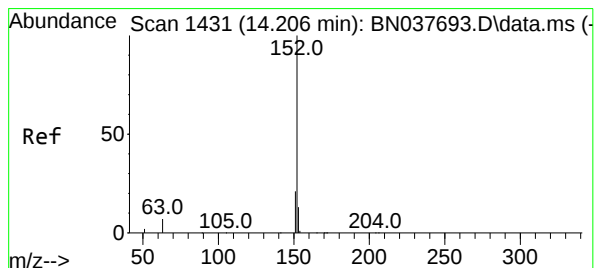
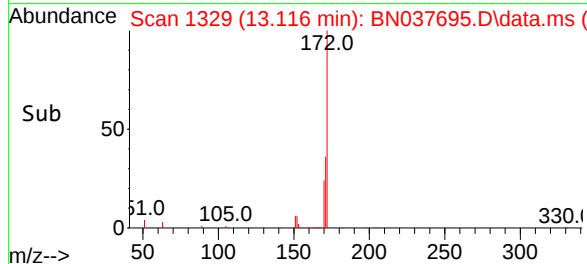
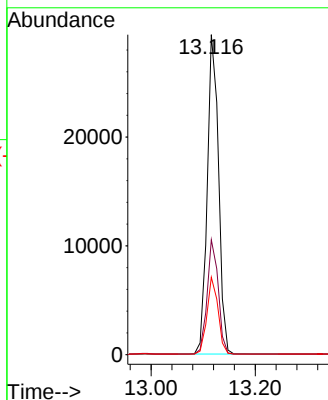
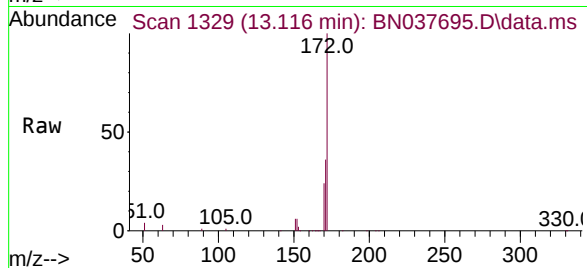




#15  
2-Fluorobiphenyl  
Concen: 1.615 ng  
RT: 13.116 min Scan# 1329  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

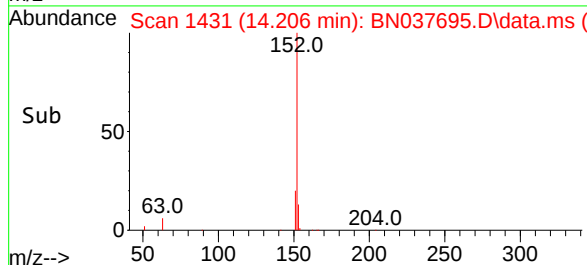
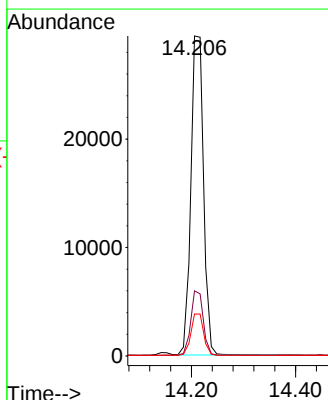
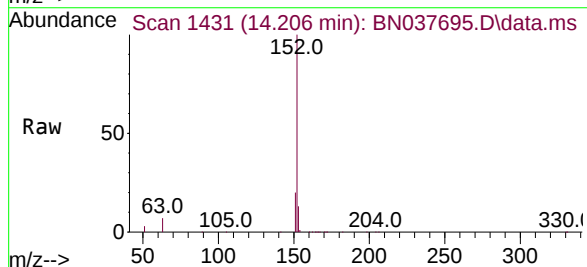
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

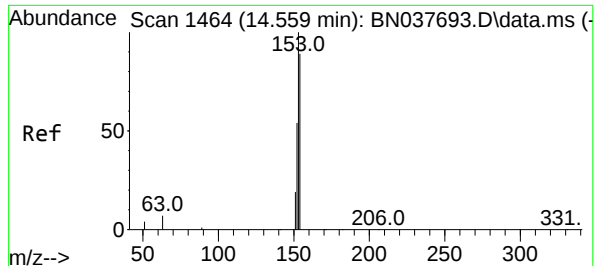
Tgt Ion:172 Resp: 44363  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.6 43.0  
170 24.2 19.8 29.8



#16  
Acenaphthylene  
Concen: 1.644 ng  
RT: 14.206 min Scan# 1431  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

Tgt Ion:152 Resp: 49508  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.2 24.2  
153 13.0 10.4 15.6

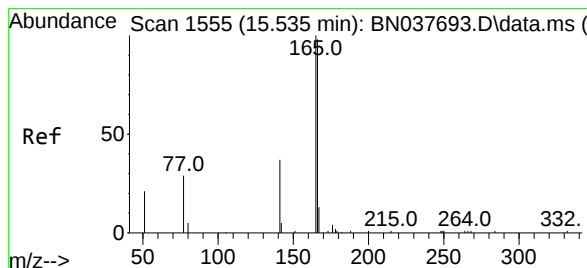
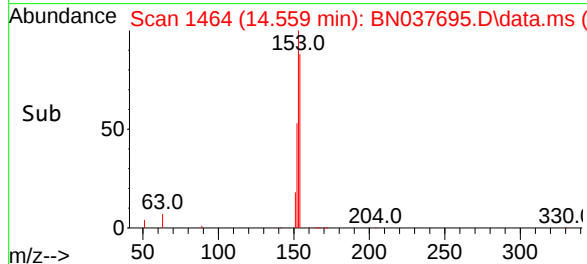
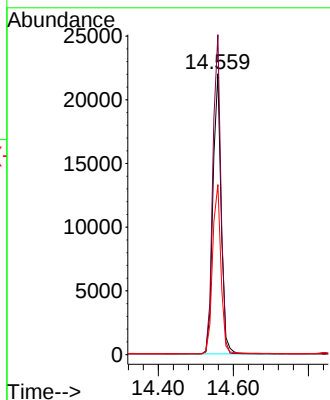
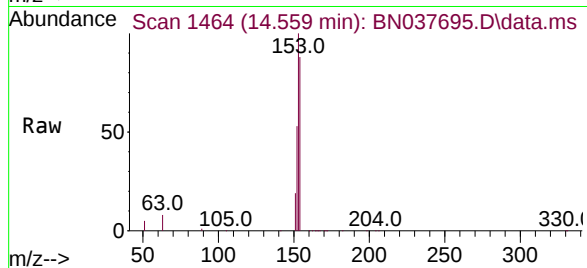




#17  
Acenaphthene  
Concen: 1.641 ng  
RT: 14.559 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

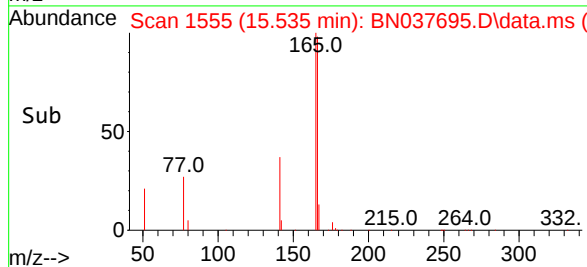
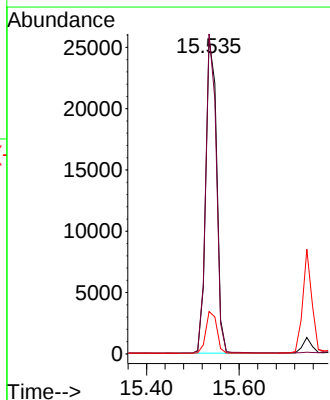
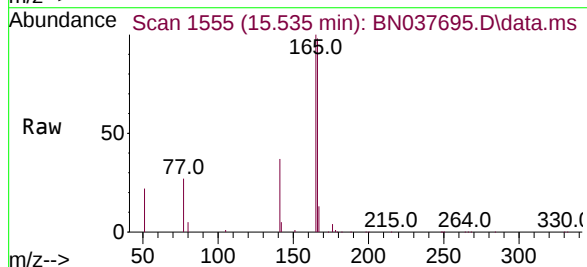
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

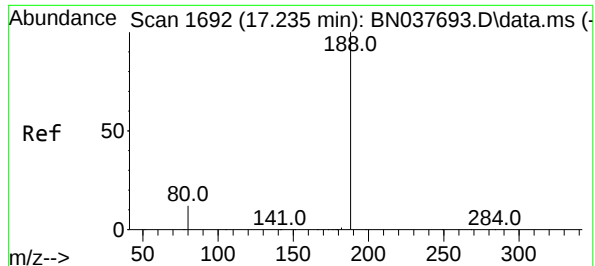
Tgt Ion:154 Resp: 33424  
Ion Ratio Lower Upper  
154 100  
153 111.9 89.8 134.8  
152 61.8 50.2 75.2



#18  
Fluorene  
Concen: 1.646 ng  
RT: 15.535 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

Tgt Ion:166 Resp: 40588  
Ion Ratio Lower Upper  
166 100  
165 98.2 79.6 119.4  
167 13.5 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.236 min Scan# 1692

Delta R.T. 0.000 min

Lab File: BN037695.D

Acq: 11 Sep 2025 12:20

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

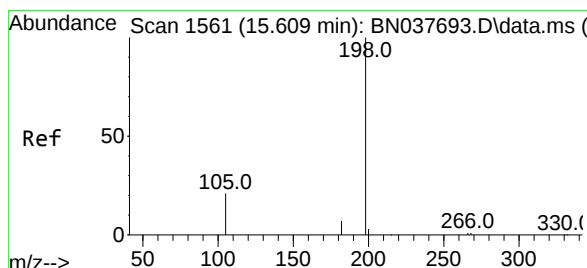
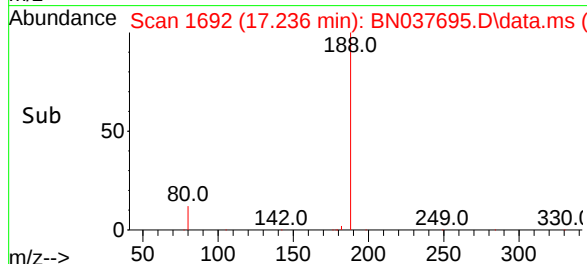
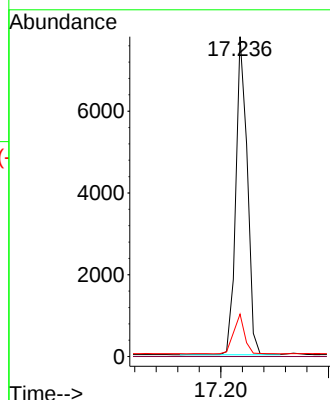
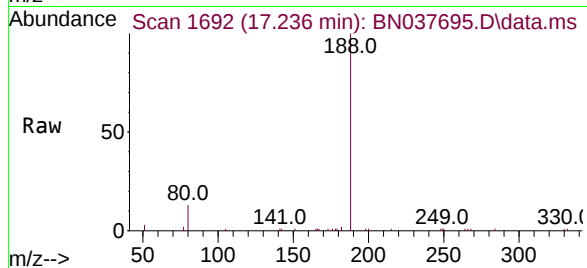
Tgt Ion:188 Resp: 11496

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.3 10.6 15.8



#20

4,6-Dinitro-2-methylphenol

Concen: 1.725 ng

RT: 15.610 min Scan# 1561

Delta R.T. 0.001 min

Lab File: BN037695.D

Acq: 11 Sep 2025 12:20

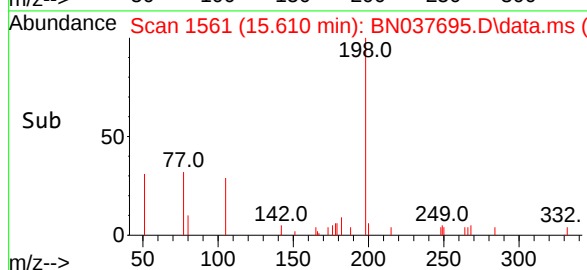
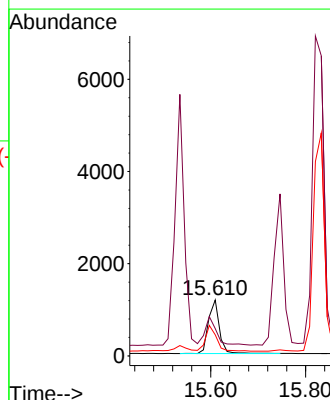
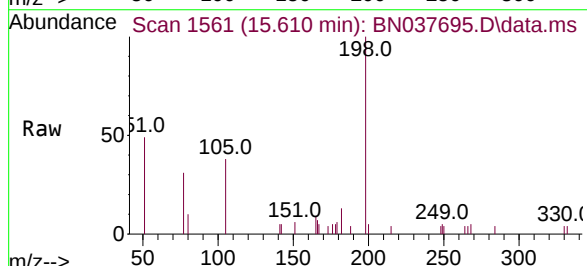
Tgt Ion:198 Resp: 1837

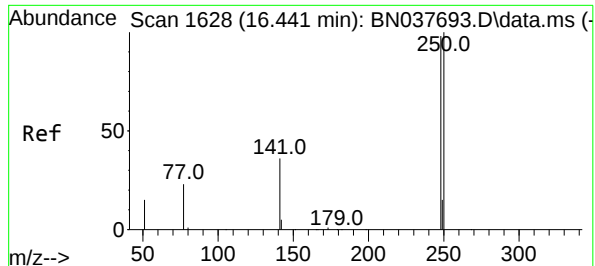
Ion Ratio Lower Upper

198 100

51 48.7 95.1 142.7#

105 37.6 53.8 80.6#

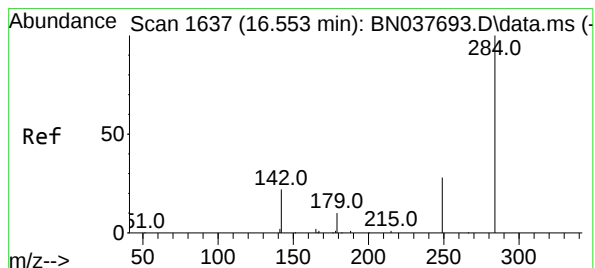
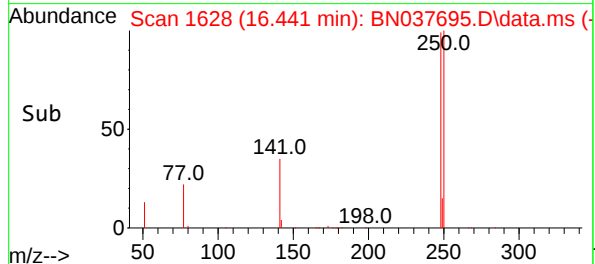
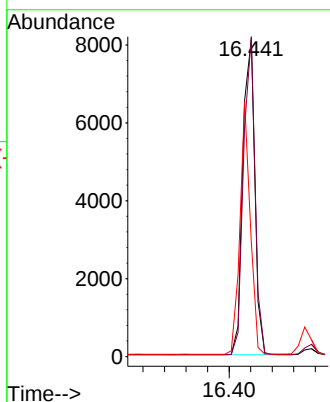
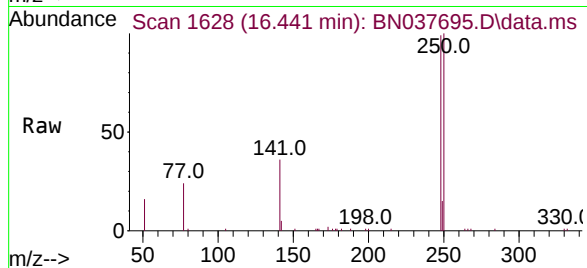




#21  
4-Bromophenyl-phenylether  
Concen: 1.669 ng  
RT: 16.441 min Scan# 1628  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

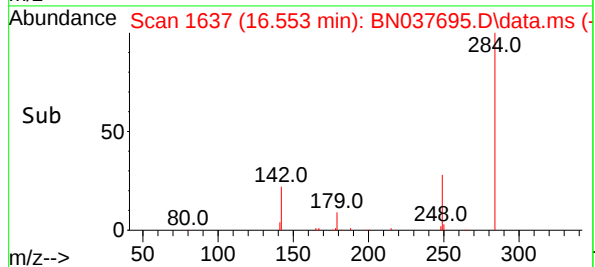
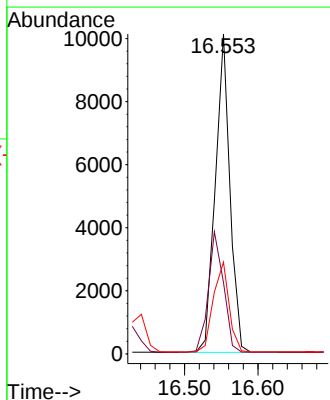
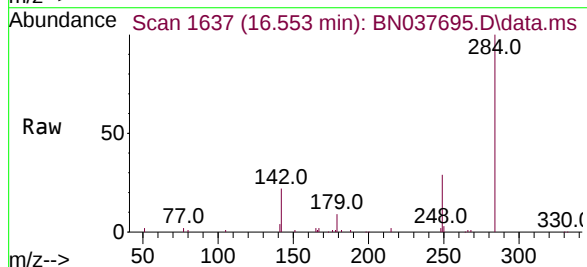
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

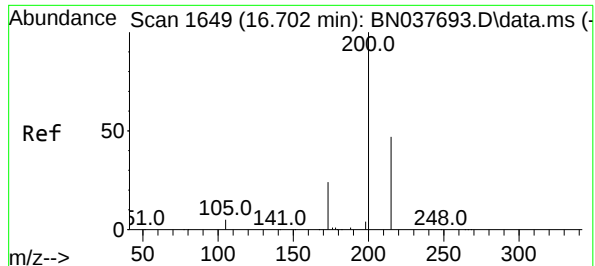
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 100.8 | 81.5  | 122.3 |
| 141     | 36.0  | 30.8  | 46.2  |



#22  
Hexachlorobenzene  
Concen: 1.628 ng  
RT: 16.553 min Scan# 1637  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 39.1  | 30.9  | 46.3  |
| 249     | 30.3  | 24.8  | 37.2  |

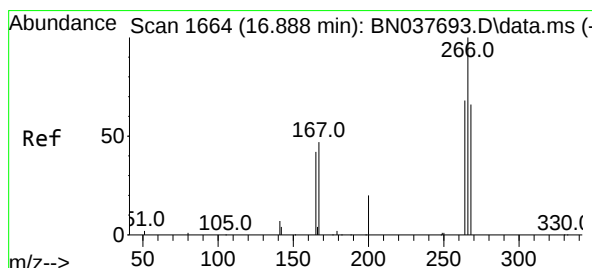
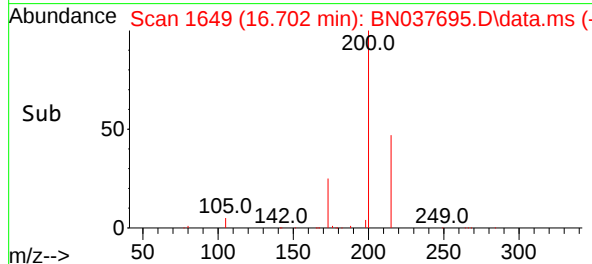
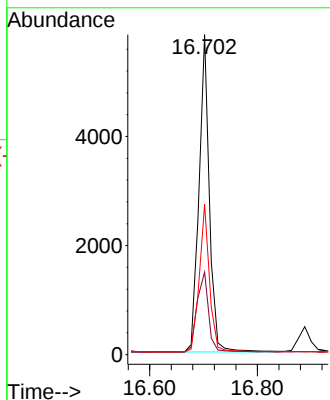
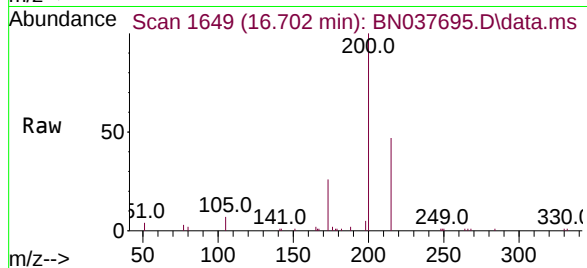




#23  
Atrazine  
Concen: 1.628 ng  
RT: 16.702 min Scan# 1649  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

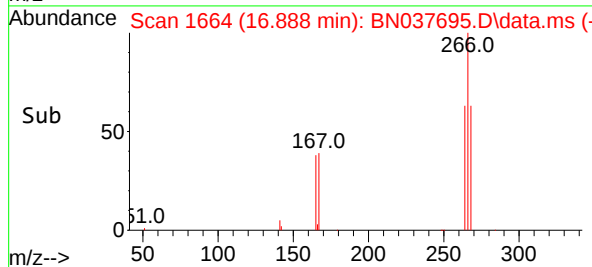
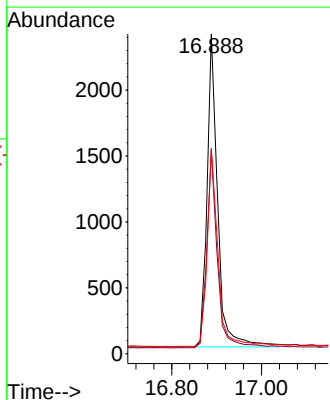
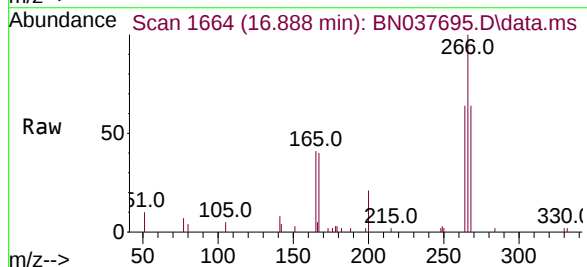
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

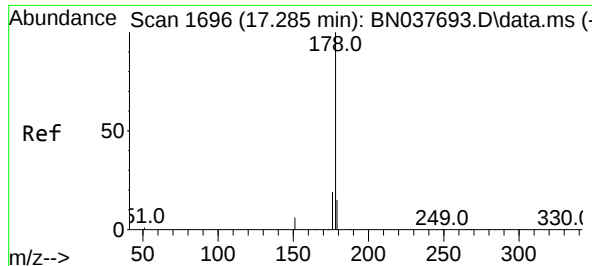
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 25.8  | 21.4  | 32.2  |
| 215     | 47.0  | 39.2  | 58.8  |



#24  
Pentachlorophenol  
Concen: 1.571 ng  
RT: 16.888 min Scan# 1664  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 63.1  | 51.6  | 77.4  |
| 268     | 65.1  | 53.2  | 79.8  |

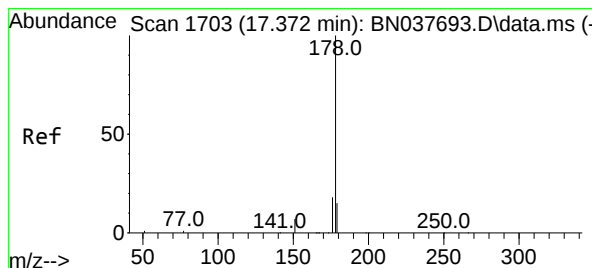
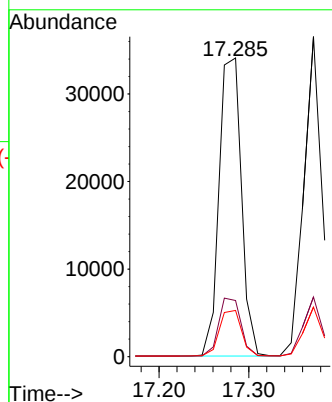
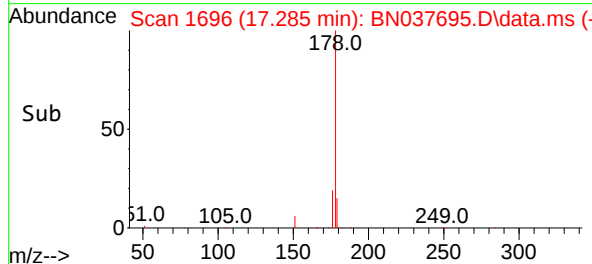
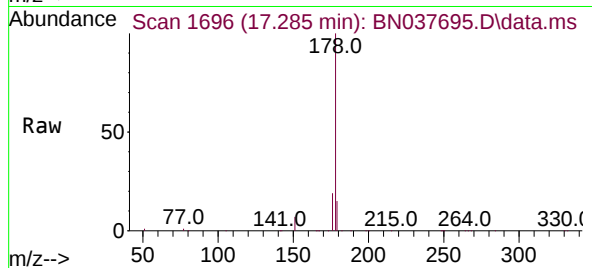




#25  
Phenanthrene  
Concen: 1.632 ng  
RT: 17.285 min Scan# 1696  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

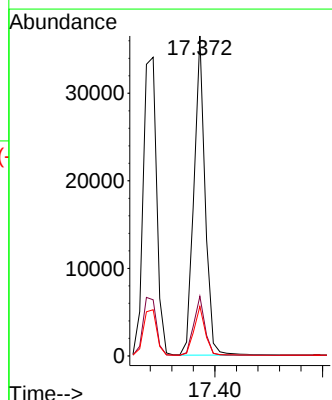
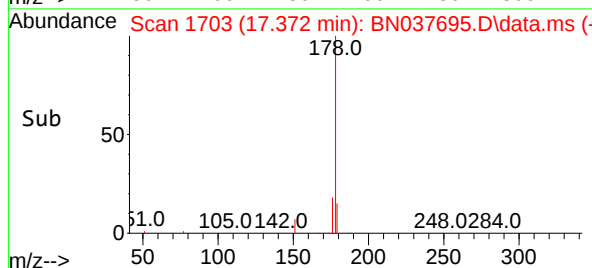
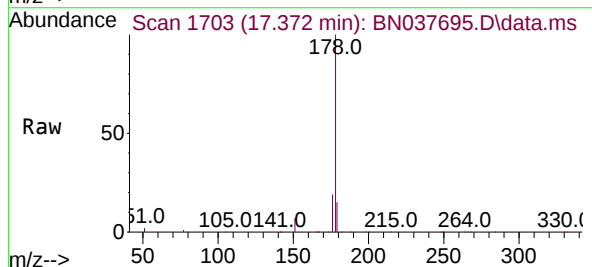
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

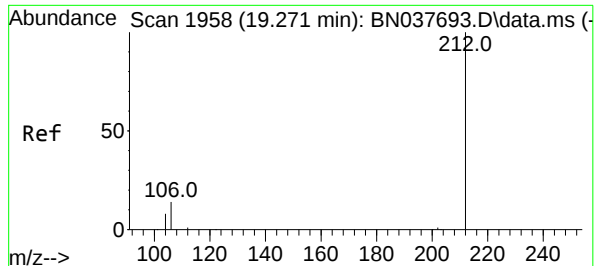
Tgt Ion:178 Resp: 59082  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.3 22.9  
179 15.2 12.2 18.2



#26  
Anthracene  
Concen: 1.635 ng  
RT: 17.372 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

Tgt Ion:178 Resp: 52416  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.6 22.0  
179 15.2 12.2 18.4





#27

Fluoranthene-d10

Concen: 1.520 ng

RT: 19.267 min Scan# 1958

Delta R.T. -0.005 min

Lab File: BN037695.D

Acq: 11 Sep 2025 12:20

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

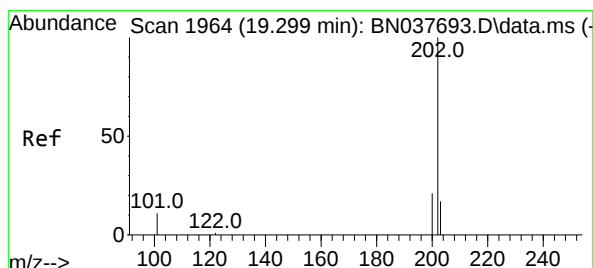
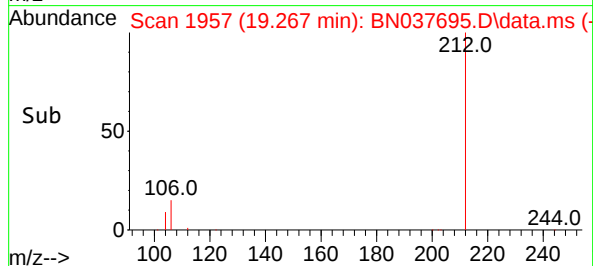
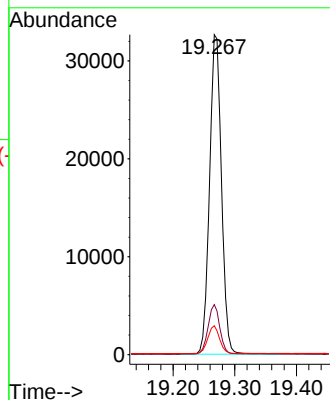
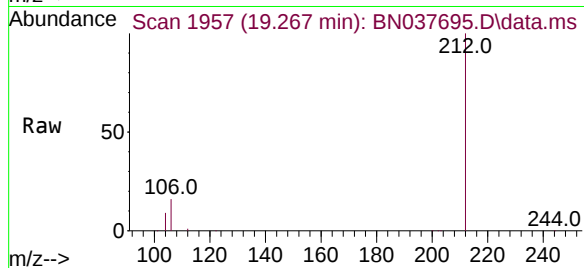
Tgt Ion:212 Resp: 43876

Ion Ratio Lower Upper

212 100

106 15.2 12.2 18.2

104 8.6 6.9 10.3



#28

Fluoranthene

Concen: 1.614 ng

RT: 19.299 min Scan# 1964

Delta R.T. 0.000 min

Lab File: BN037695.D

Acq: 11 Sep 2025 12:20

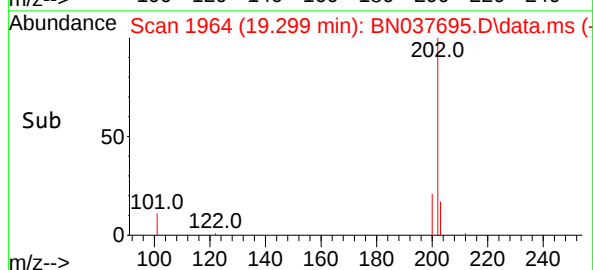
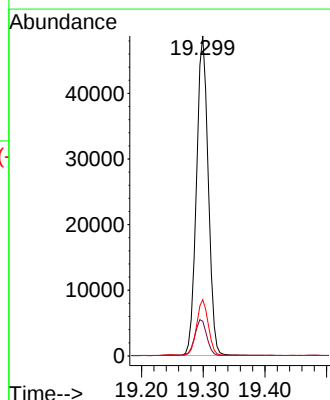
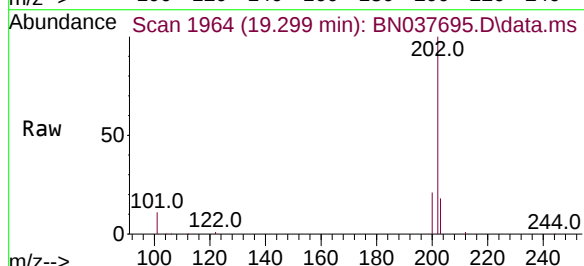
Tgt Ion:202 Resp: 64074

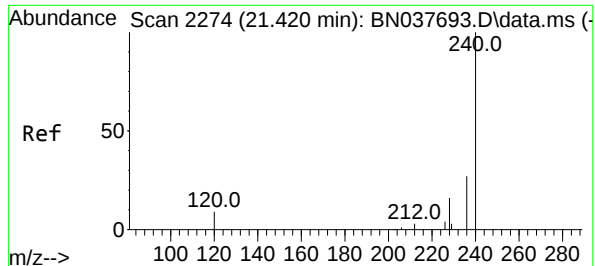
Ion Ratio Lower Upper

202 100

101 11.6 9.3 13.9

203 17.3 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.420 min Scan# 21

Delta R.T. 0.000 min

Lab File: BN037695.D

Acq: 11 Sep 2025 12:20

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

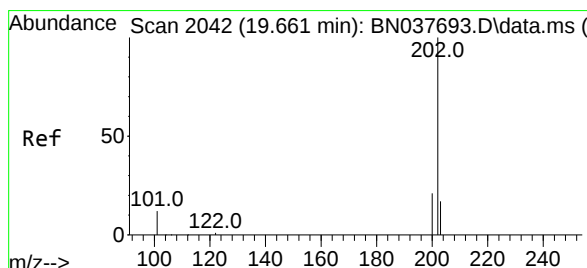
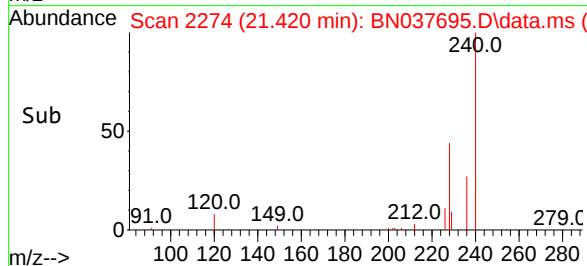
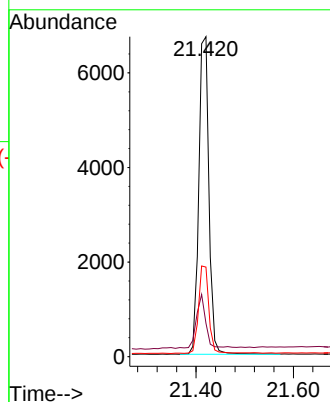
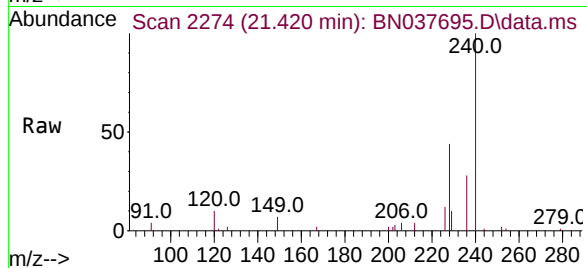
Tgt Ion:240 Resp: 9743

Ion Ratio Lower Upper

240 100

120 10.4 9.2 13.8

236 28.0 22.6 33.8



#30

Pyrene

Concen: 1.638 ng

RT: 19.661 min Scan# 2042

Delta R.T. 0.000 min

Lab File: BN037695.D

Acq: 11 Sep 2025 12:20

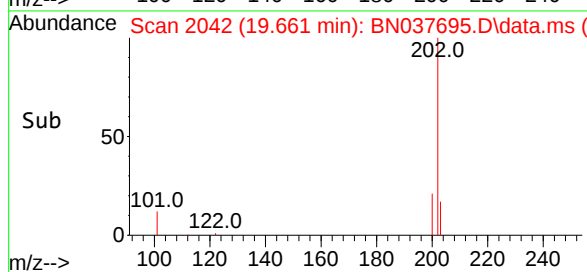
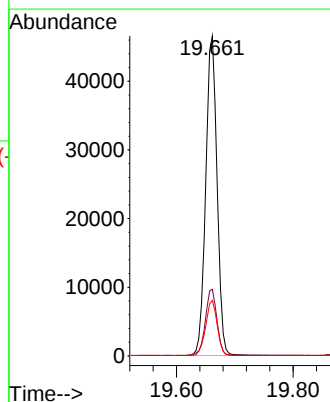
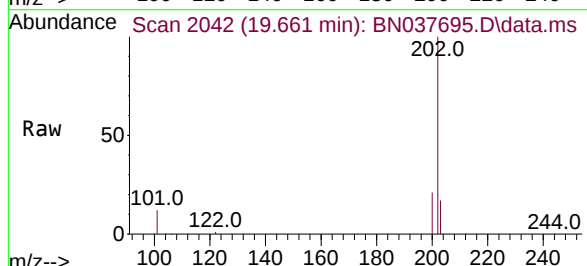
Tgt Ion:202 Resp: 62457

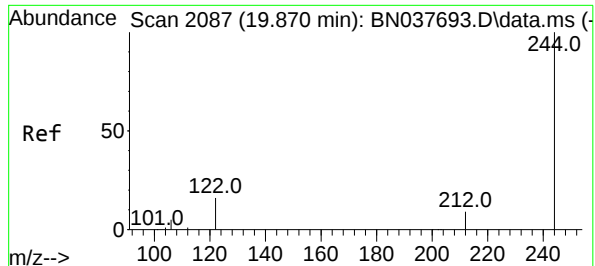
Ion Ratio Lower Upper

202 100

200 20.9 16.8 25.2

203 17.8 14.3 21.5

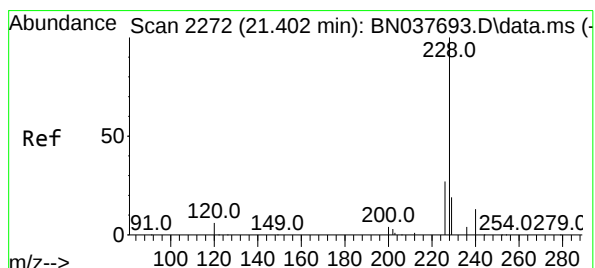
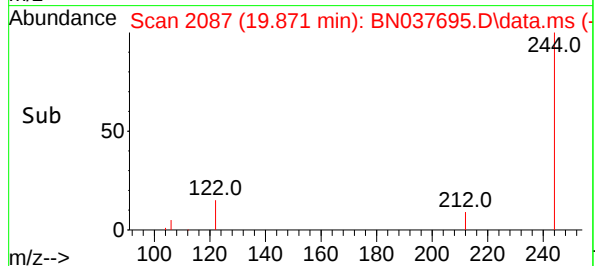
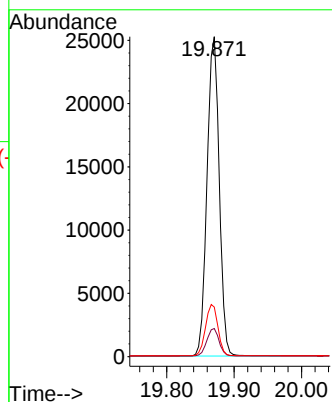
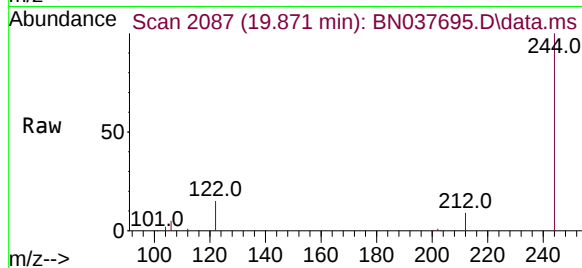




#31  
Terphenyl-d14  
Concen: 1.601 ng  
RT: 19.871 min Scan# 2087  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

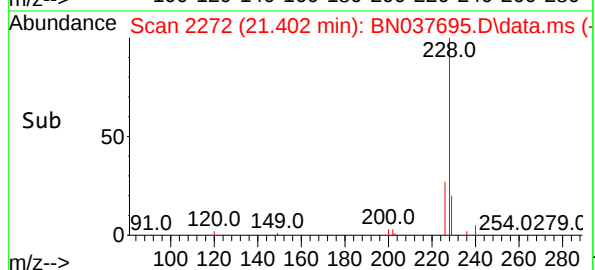
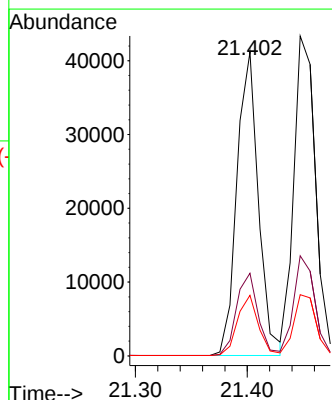
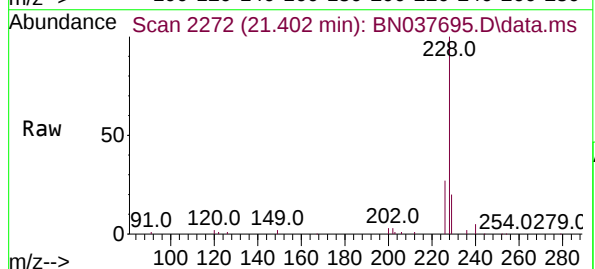
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC1.6

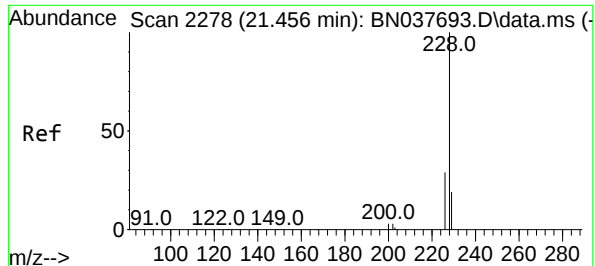
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.8   | 7.5   | 11.3  |
| 122     | 15.5  | 13.2  | 19.8  |



#32  
Benzo(a)anthracene  
Concen: 1.616 ng  
RT: 21.402 min Scan# 2272  
Delta R.T. 0.000 min  
Lab File: BN037695.D  
Acq: 11 Sep 2025 12:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.2  | 22.2  | 33.2  |
| 229     | 19.9  | 15.8  | 23.6  |





#33

Chrysene

Concen: 1.615 ng

RT: 21.447 min Scan# 2277

Delta R.T. -0.009 min

Lab File: BN037695.D

Acq: 11 Sep 2025 12:20

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

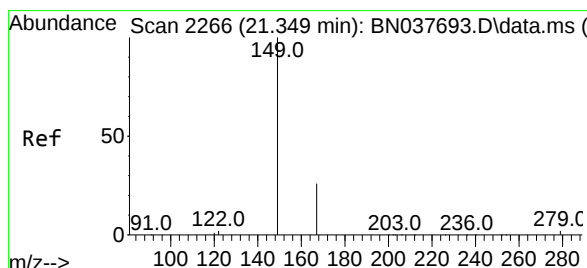
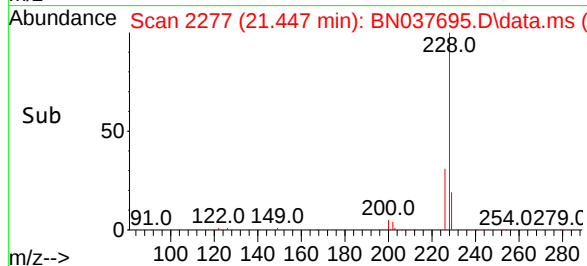
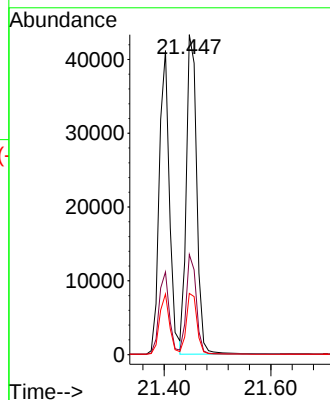
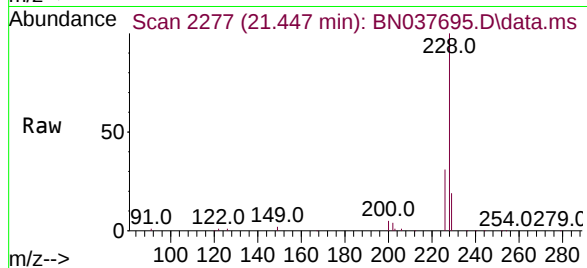
Tgt Ion:228 Resp: 58866

Ion Ratio Lower Upper

228 100

226 31.3 23.5 35.3

229 19.1 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 1.470 ng

RT: 21.349 min Scan# 2266

Delta R.T. 0.000 min

Lab File: BN037695.D

Acq: 11 Sep 2025 12:20

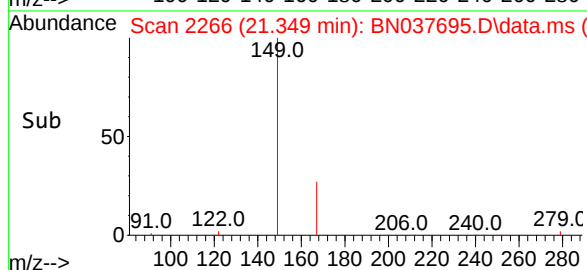
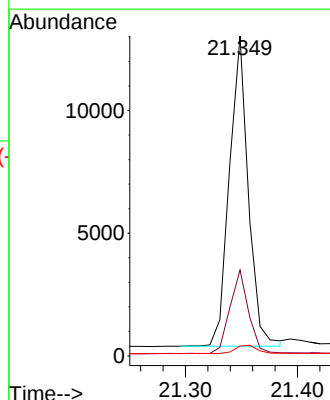
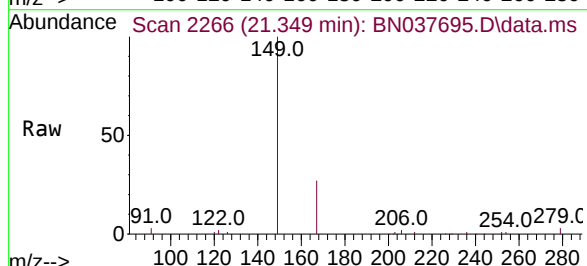
Tgt Ion:149 Resp: 14814

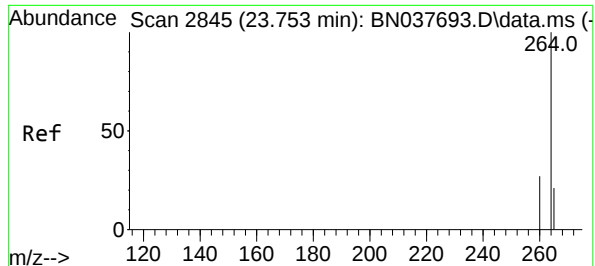
Ion Ratio Lower Upper

149 100

167 26.6 20.8 31.2

279 3.2 3.3 4.9#





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.750 min Scan# 2844

Delta R.T. -0.003 min

Lab File: BN037695.D

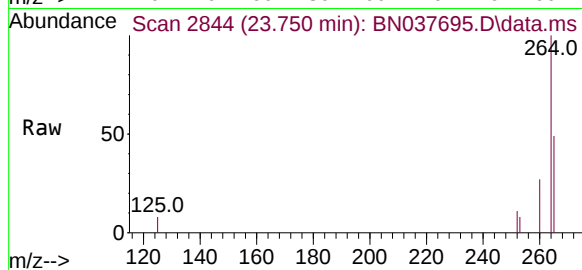
Acq: 11 Sep 2025 12:20

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6



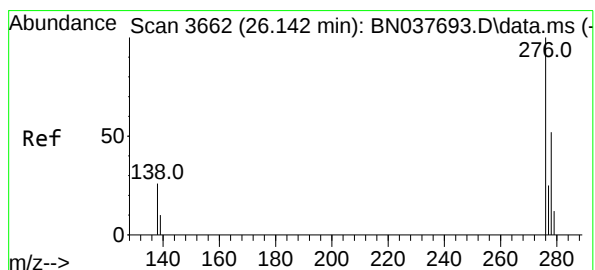
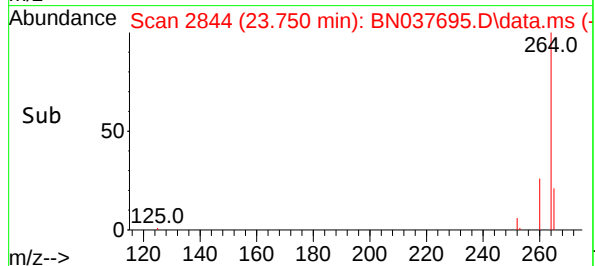
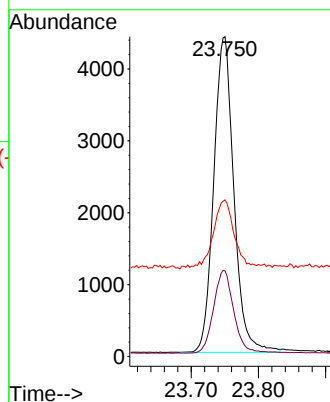
Tgt Ion:264 Resp: 9111

Ion Ratio Lower Upper

264 100

260 26.8 21.8 32.8

265 49.0 39.4 59.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 1.705 ng

RT: 26.139 min Scan# 3661

Delta R.T. -0.003 min

Lab File: BN037695.D

Acq: 11 Sep 2025 12:20

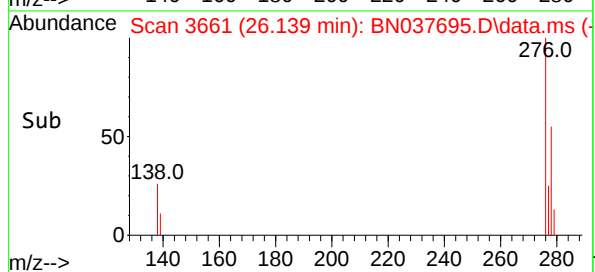
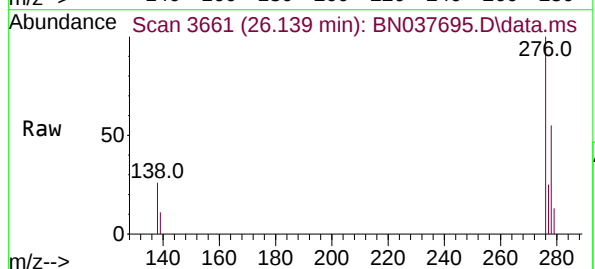
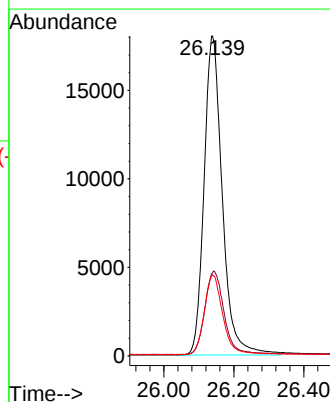
Tgt Ion:276 Resp: 65254

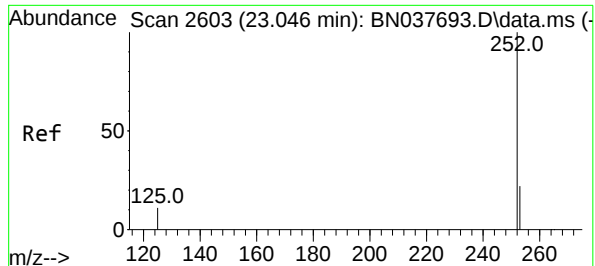
Ion Ratio Lower Upper

276 100

138 27.5 21.9 32.9

277 25.2 20.1 30.1





#37

Benzo(b)fluoranthene

Concen: 1.662 ng

RT: 23.043 min Scan# 2602

Delta R.T. -0.003 min

Lab File: BN037695.D

Acq: 11 Sep 2025 12:20

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

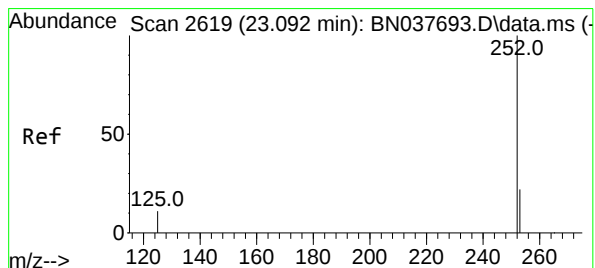
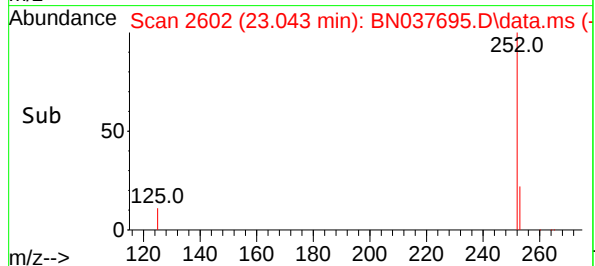
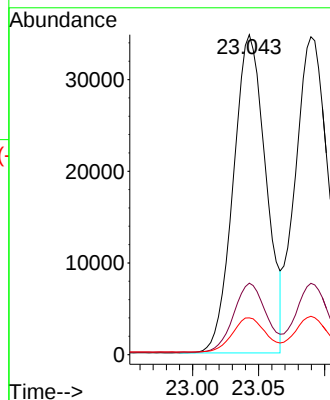
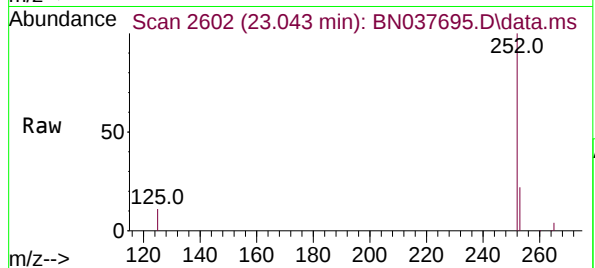
Tgt Ion:252 Resp: 59639

Ion Ratio Lower Upper

252 100

253 22.3 19.4 29.2

125 11.5 11.2 16.8



#38

Benzo(k)fluoranthene

Concen: 1.698 ng

RT: 23.090 min Scan# 2618

Delta R.T. -0.003 min

Lab File: BN037695.D

Acq: 11 Sep 2025 12:20

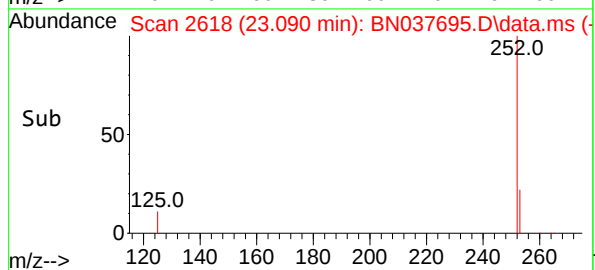
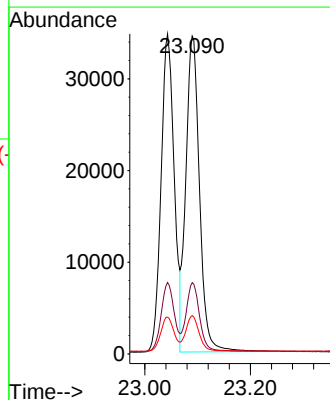
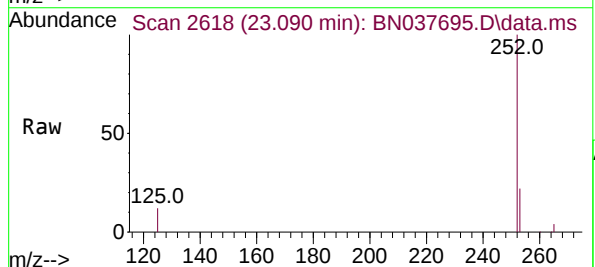
Tgt Ion:252 Resp: 62123

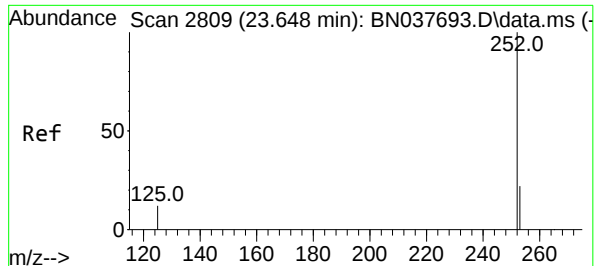
Ion Ratio Lower Upper

252 100

253 22.4 19.4 29.0

125 12.1 11.6 17.4





#39

Benzo(a)pyrene

Concen: 1.667 ng

RT: 23.645 min Scan# 2809

Delta R.T. -0.003 min

Lab File: BN037695.D

Acq: 11 Sep 2025 12:20

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6

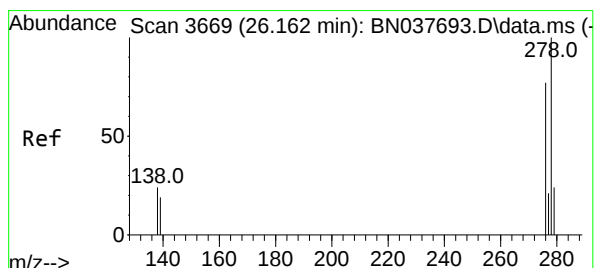
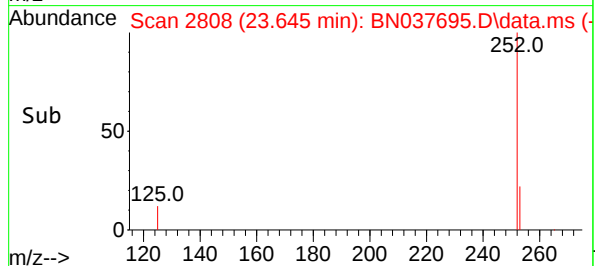
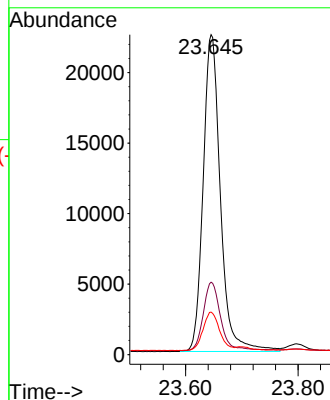
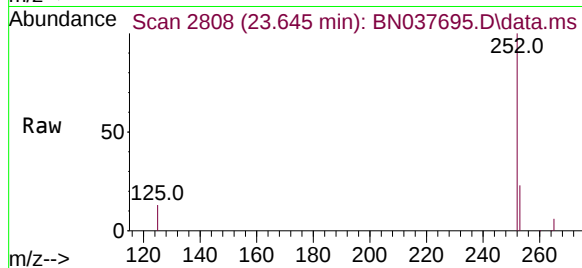
Tgt Ion:252 Resp: 47897

Ion Ratio Lower Upper

252 100

253 22.6 20.8 31.2

125 13.3 13.9 20.9#



#40

Dibenzo(a,h)anthracene

Concen: 1.744 ng

RT: 26.159 min Scan# 3668

Delta R.T. -0.003 min

Lab File: BN037695.D

Acq: 11 Sep 2025 12:20

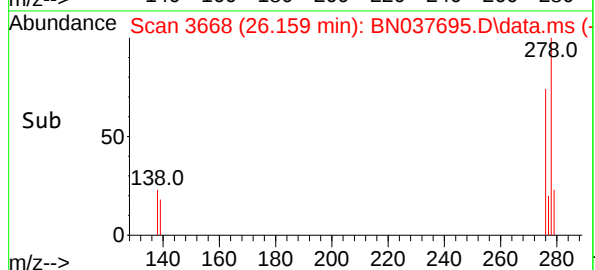
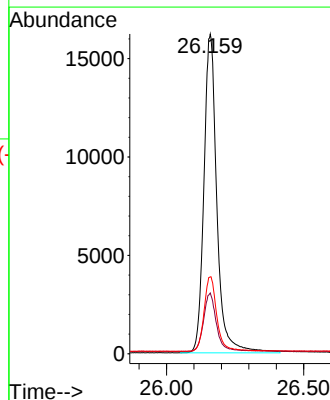
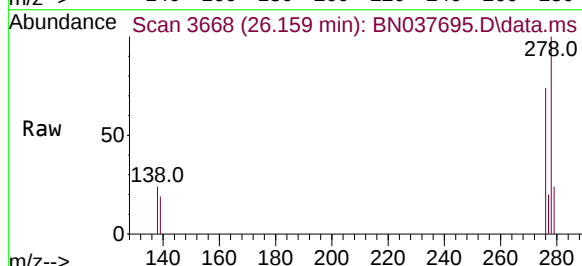
Tgt Ion:278 Resp: 53306

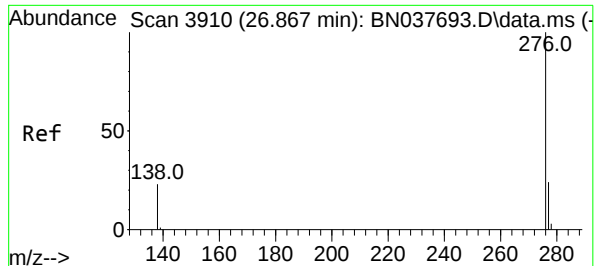
Ion Ratio Lower Upper

278 100

139 19.0 17.8 26.6

279 24.1 22.0 33.0





#41

Benzo(g,h,i)perylene

Concen: 1.666 ng

RT: 26.858 min Scan# 3910

Delta R.T. -0.009 min

Lab File: BN037695.D

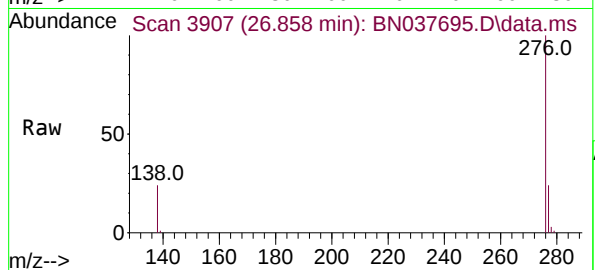
Acq: 11 Sep 2025 12:20

Instrument :

BNA\_N

ClientSampleId :

SSTDICC1.6



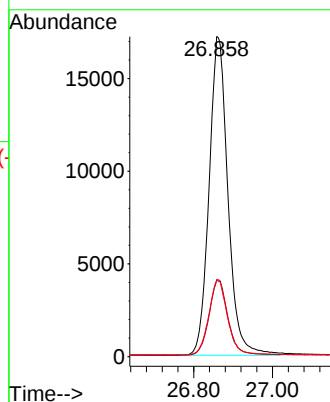
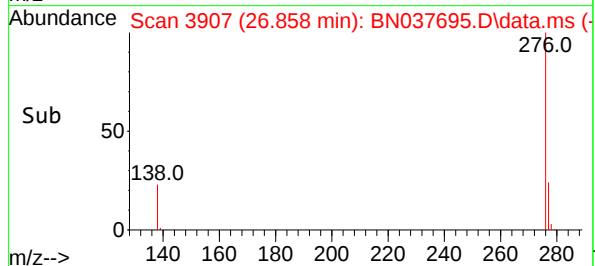
Tgt Ion:276 Resp: 57151

Ion Ratio Lower Upper

276 100

277 24.0 20.6 31.0

138 23.7 20.2 30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
 Data File : BN037696.D  
 Acq On : 11 Sep 2025 12:56  
 Operator : RC/JU  
 Sample : SSTDICC3.2  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC3.2

Quant Time: Sep 11 14:07:18 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:02:44 2025  
 Response via : Initial Calibration

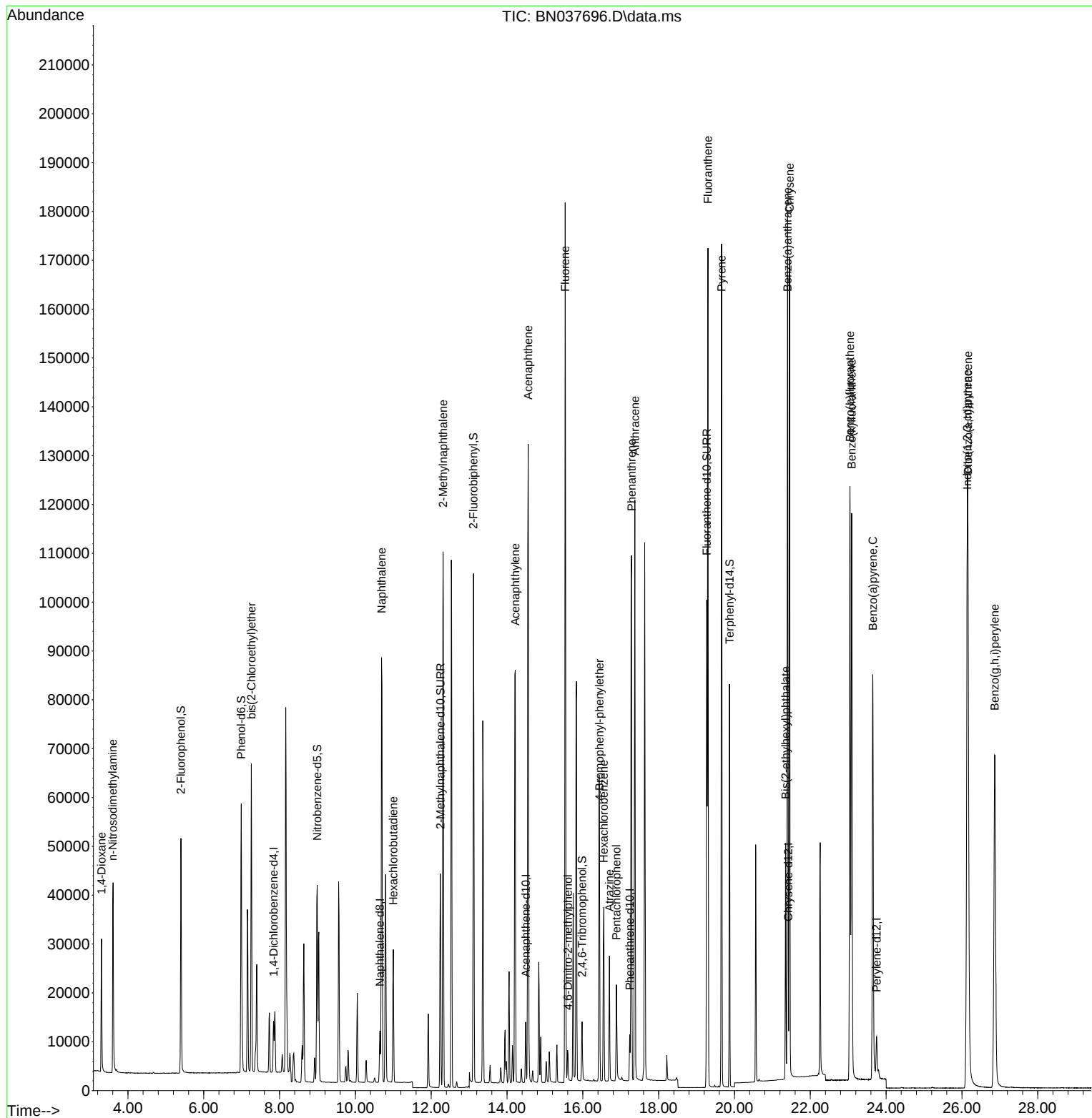
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.840  | 152  | 5084     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.648 | 136  | 13375    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.495 | 164  | 6550     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.235 | 188  | 11925    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.420 | 240  | 12141    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.750 | 264  | 11403    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.399  | 112  | 38119    | 3.266 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.988  | 99   | 49810    | 3.291 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.993  | 82   | 32423    | 3.314 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.243 | 152  | 58810    | 3.319 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.982 | 330  | 6865     | 4.018 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.115 | 172  | 87709    | 3.202 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.267 | 212  | 105719   | 3.531 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.870 | 244  | 76156    | 3.090 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.304  | 88   | 16994    | 3.209 | ng    | 98       |
| 3) n-Nitrosodimethylamine     | 3.601  | 42   | 22382    | 3.235 | ng    | # 95     |
| 6) bis(2-Chloroethyl)ether    | 7.255  | 93   | 43338    | 3.205 | ng    | 100      |
| 9) Naphthalene                | 10.690 | 128  | 119338   | 3.264 | ng    | 99       |
| 10) Hexachlorobutadiene       | 11.000 | 225  | 21272    | 3.216 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.314 | 142  | 76164    | 3.368 | ng    | 99       |
| 16) Acenaphthylene            | 14.217 | 152  | 100382   | 3.342 | ng    | 100      |
| 17) Acenaphthene              | 14.559 | 154  | 67901    | 3.343 | ng    | 98       |
| 18) Fluorene                  | 15.535 | 166  | 85576    | 3.479 | ng    | 98       |
| 20) 4,6-Dinitro-2-methylph... | 15.609 | 198  | 4427     | 4.008 | ng    | # 37     |
| 21) 4-Bromophenyl-phenylether | 16.441 | 248  | 25659    | 3.300 | ng    | 97       |
| 22) Hexachlorobenzene         | 16.553 | 284  | 28853    | 3.226 | ng    | 99       |
| 23) Atrazine                  | 16.702 | 200  | 18156    | 3.670 | ng    | 96       |
| 24) Pentachlorophenol         | 16.888 | 266  | 9551     | 3.678 | ng    | 97       |
| 25) Phenanthrene              | 17.285 | 178  | 125980   | 3.355 | ng    | 100      |
| 26) Anthracene                | 17.372 | 178  | 116443   | 3.501 | ng    | 100      |
| 28) Fluoranthene              | 19.299 | 202  | 150569   | 3.657 | ng    | 100      |
| 30) Pyrene                    | 19.661 | 202  | 149814   | 3.152 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.402 | 228  | 141736   | 3.347 | ng    | 99       |
| 33) Chrysene                  | 21.456 | 228  | 146238   | 3.221 | ng    | 100      |
| 34) Bis(2-ethylhexyl)phtha... | 21.349 | 149  | 42504    | 3.385 | ng    | # 99     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.139 | 276  | 170120   | 3.551 | ng    | 100      |
| 37) Benzo(b)fluoranthene      | 23.046 | 252  | 152726   | 3.401 | ng    | 94       |
| 38) Benzo(k)fluoranthene      | 23.092 | 252  | 154690   | 3.378 | ng    | # 94     |
| 39) Benzo(a)pyrene            | 23.648 | 252  | 124741   | 3.469 | ng    | # 90     |
| 40) Dibenzo(a,h)anthracene    | 26.159 | 278  | 138597   | 3.623 | ng    | 92       |
| 41) Benzo(g,h,i)perylene      | 26.864 | 276  | 146601   | 3.415 | ng    | 96       |
| -----                         |        |      |          |       |       |          |

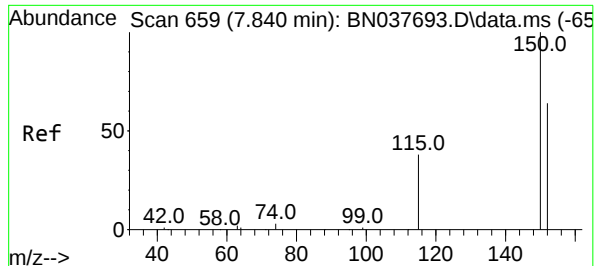
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
 Data File : BN037696.D  
 Acq On : 11 Sep 2025 12:56  
 Operator : RC/JU  
 Sample : SSTDICC3.2  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC3.2

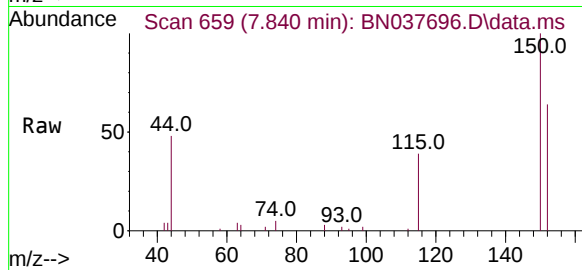
Quant Time: Sep 11 14:07:18 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:02:44 2025  
 Response via : Initial Calibration



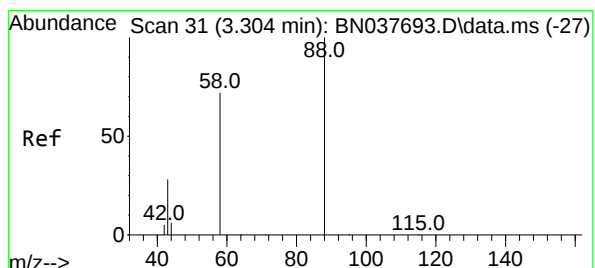
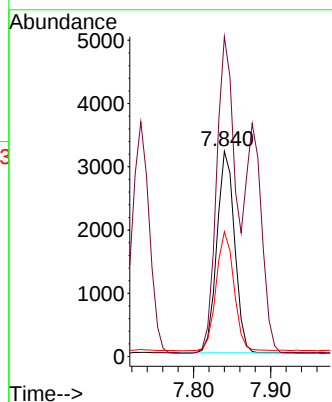
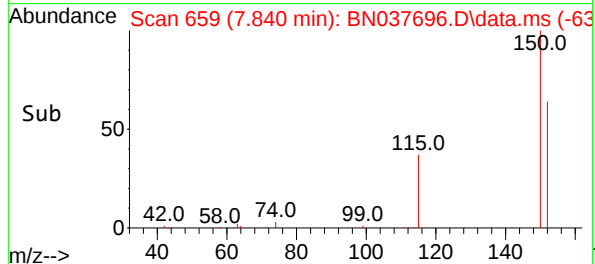


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.840 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

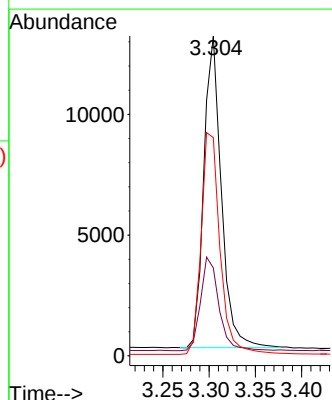
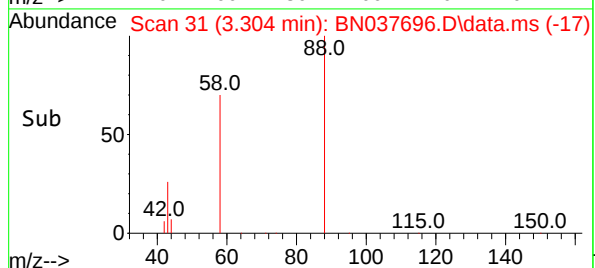
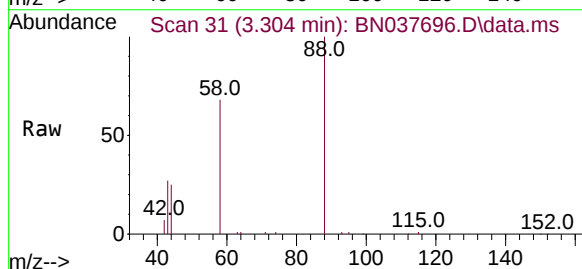


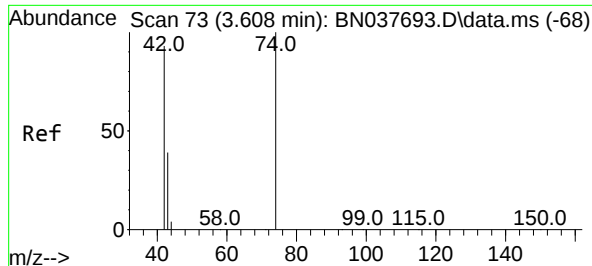
Tgt Ion:152 Resp: 5084  
Ion Ratio Lower Upper  
152 100  
150 155.9 124.5 186.7  
115 60.8 49.2 73.8



#2  
1,4-Dioxane  
Concen: 3.209 ng  
RT: 3.304 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

Tgt Ion: 88 Resp: 16994  
Ion Ratio Lower Upper  
88 100  
43 31.3 26.8 40.2  
58 76.5 61.9 92.9

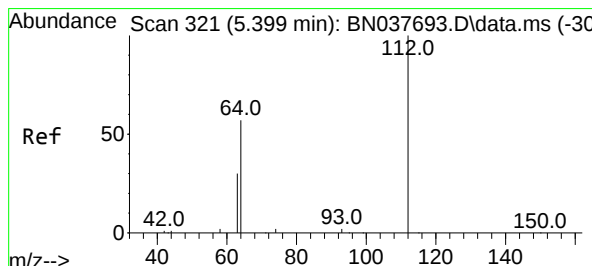
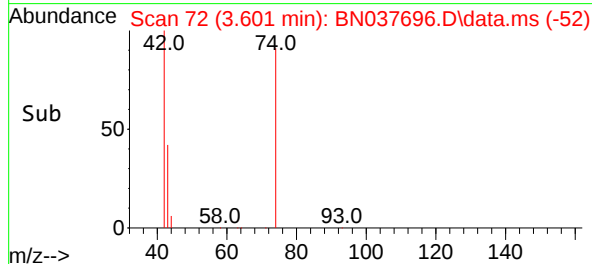
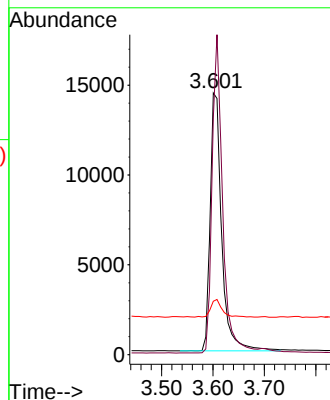
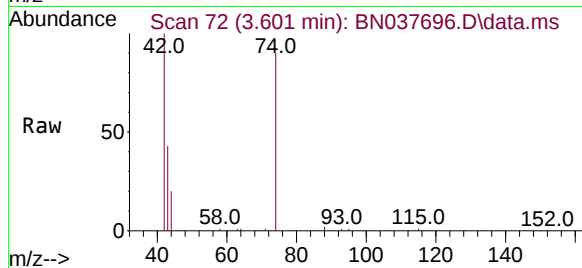




#3  
n-Nitrosodimethylamine  
Concen: 3.235 ng  
RT: 3.601 min Scan# 71  
Delta R.T. -0.007 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

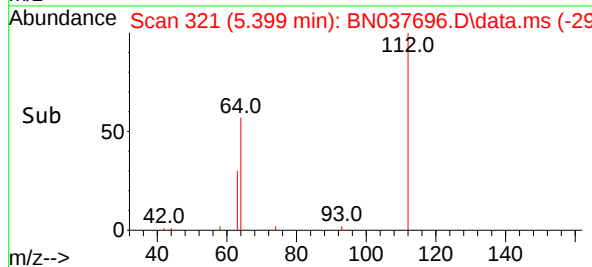
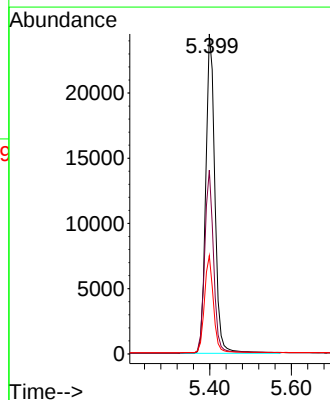
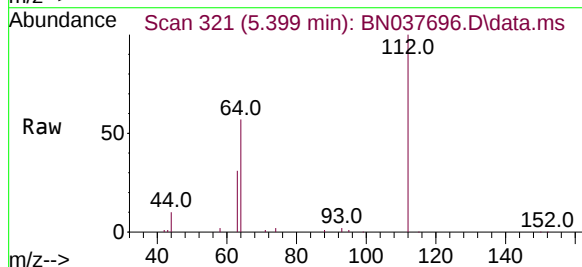
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

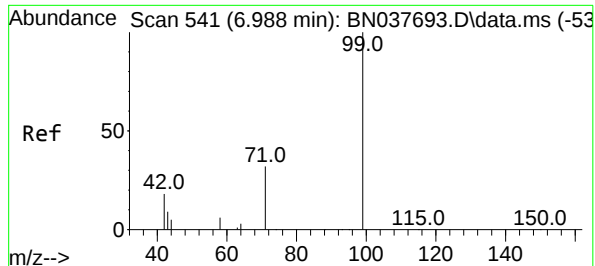
Tgt Ion: 42 Resp: 22382  
Ion Ratio Lower Upper  
42 100  
74 112.2 86.0 129.0  
44 6.7 8.4 12.6#



#4  
2-Fluorophenol  
Concen: 3.266 ng  
RT: 5.399 min Scan# 321  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

Tgt Ion: 112 Resp: 38119  
Ion Ratio Lower Upper  
112 100  
64 56.4 44.9 67.3  
63 29.6 24.7 37.1

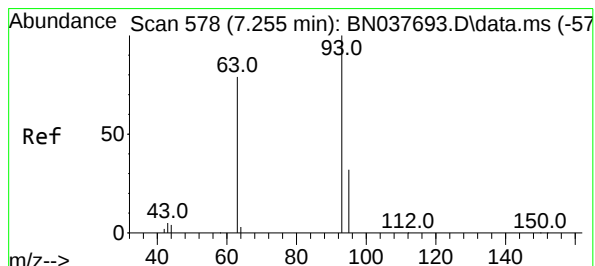
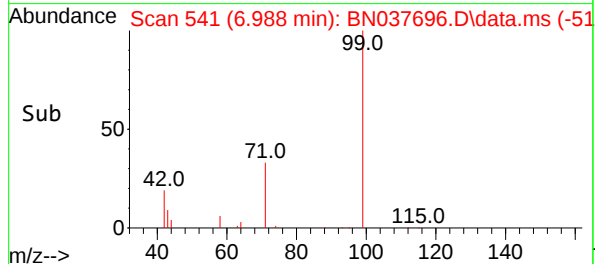
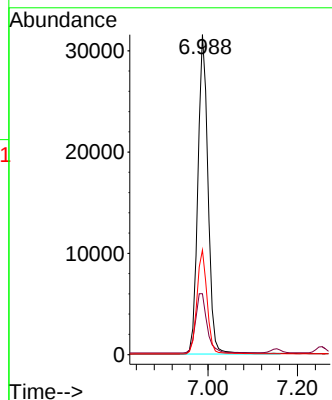
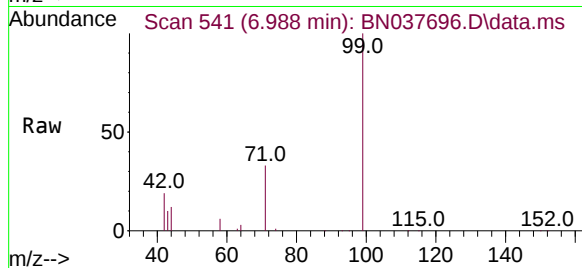




#5  
Phenol-d6  
Concen: 3.291 ng  
RT: 6.988 min Scan# 541  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

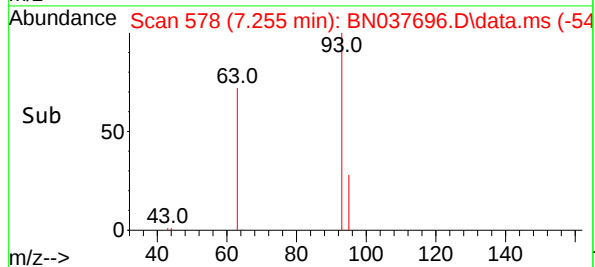
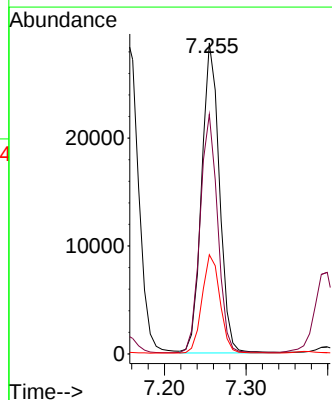
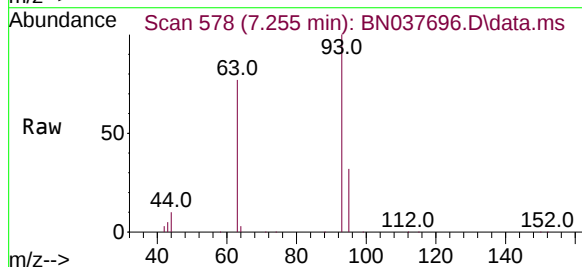
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

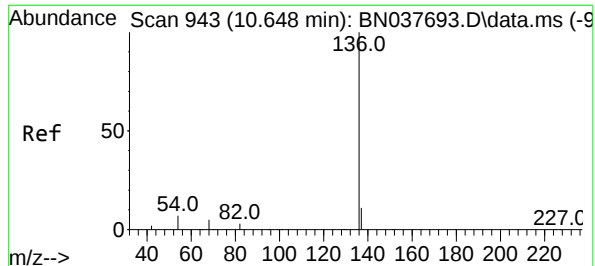
Tgt Ion: 99 Resp: 49810  
Ion Ratio Lower Upper  
99 100  
42 21.0 16.6 24.8  
71 32.5 26.7 40.1



#6  
bis(2-Chloroethyl)ether  
Concen: 3.205 ng  
RT: 7.255 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

Tgt Ion: 93 Resp: 43338  
Ion Ratio Lower Upper  
93 100  
63 75.9 60.6 90.8  
95 31.9 26.0 39.0

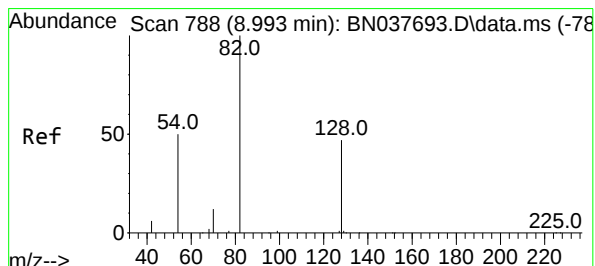
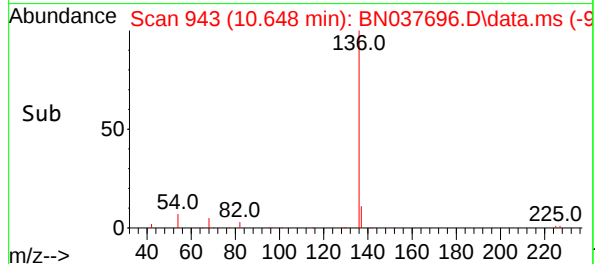
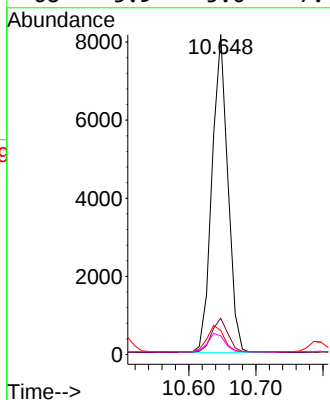
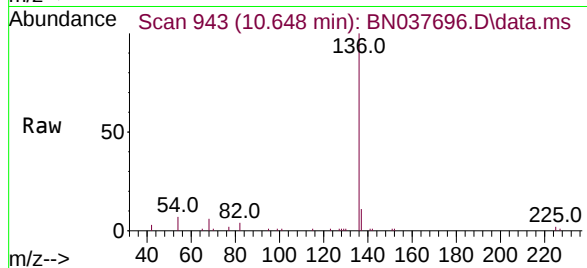




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.648 min Scan# 94  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

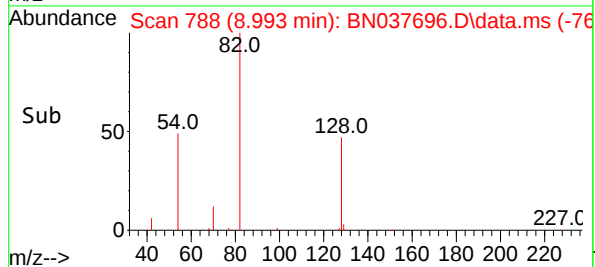
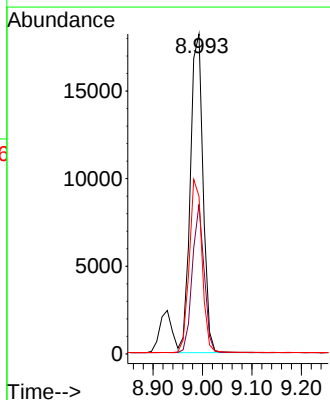
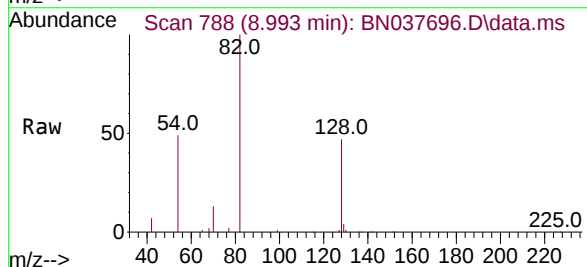
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

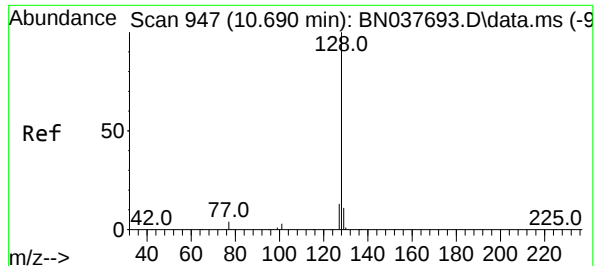
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 13375 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.4  | 9.1   | 13.7  |
| 54       | 7.5   | 6.3   | 9.5   |
| 68       | 5.9   | 5.0   | 7.4   |



#8  
Nitrobenzene-d5  
Concen: 3.314 ng  
RT: 8.993 min Scan# 788  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 32423 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 46.7  | 38.3  | 57.5  |
| 54       | 49.2  | 41.4  | 62.2  |

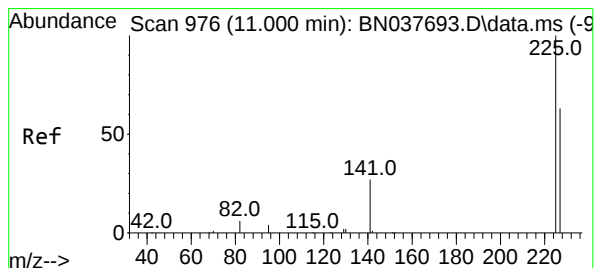
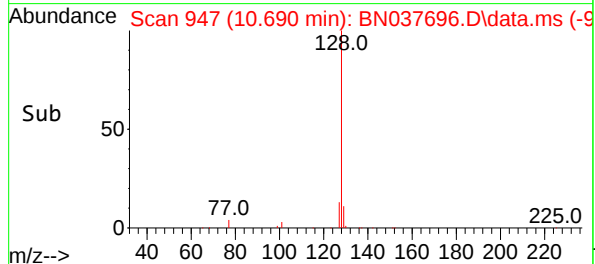
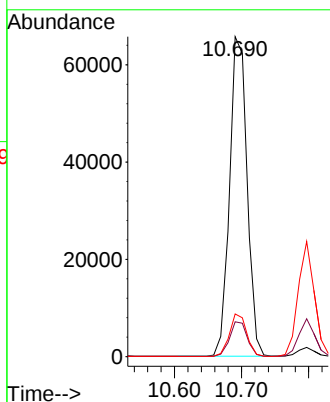
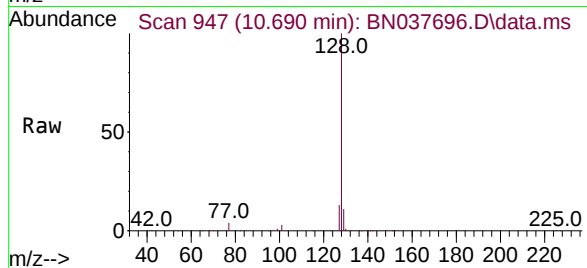




#9  
Naphthalene  
Concen: 3.264 ng  
RT: 10.690 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

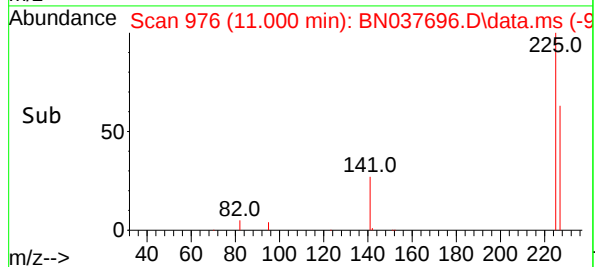
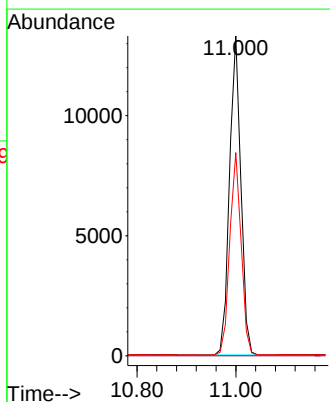
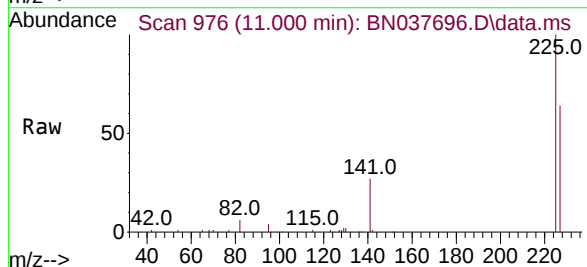
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

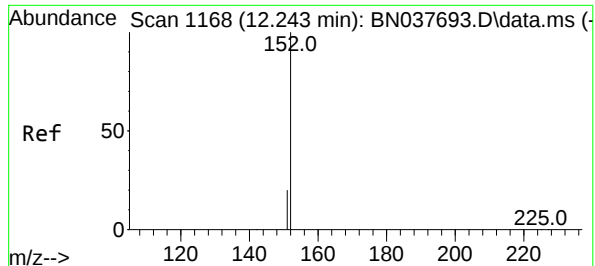
Tgt Ion:128 Resp: 119338  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.1 13.7  
127 13.3 10.9 16.3



#10  
Hexachlorobutadiene  
Concen: 3.216 ng  
RT: 11.000 min Scan# 976  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

Tgt Ion:225 Resp: 21272  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 63.5 50.9 76.3

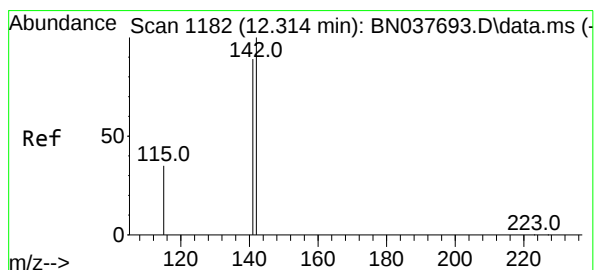
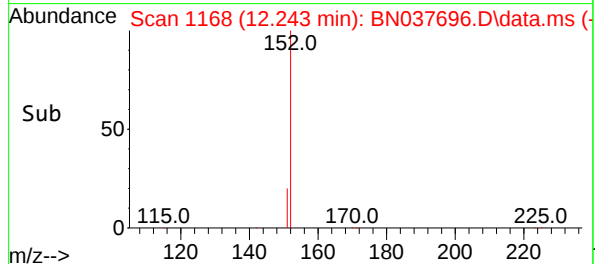
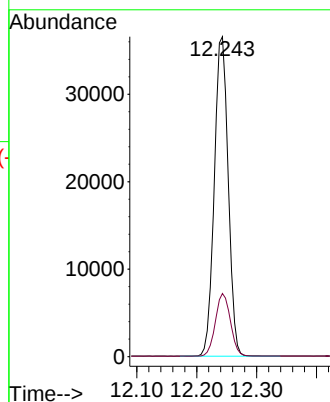
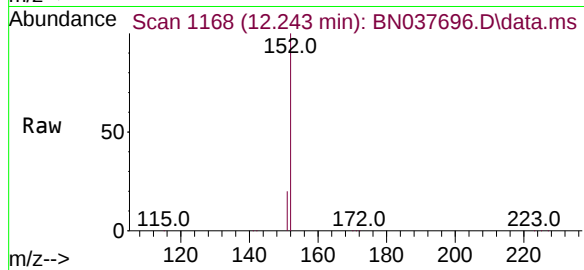




#11  
2-Methylnaphthalene-d10  
Concen: 3.319 ng  
RT: 12.243 min Scan# 1168  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

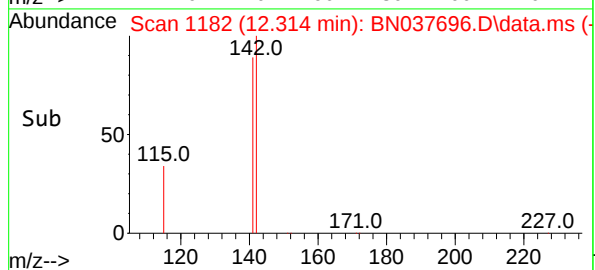
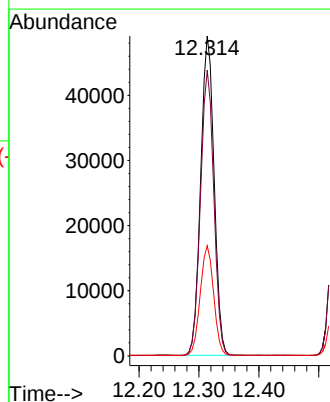
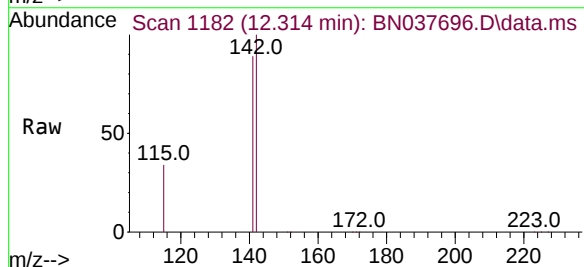
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

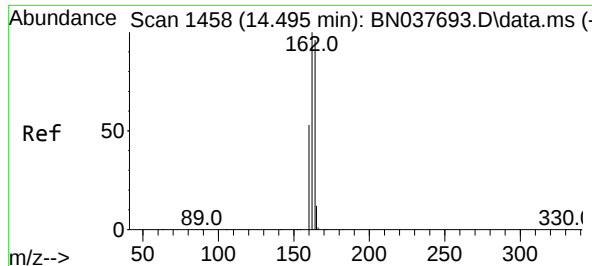
Tgt Ion:152 Resp: 58810  
Ion Ratio Lower Upper  
152 100  
151 21.2 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 3.368 ng  
RT: 12.314 min Scan# 1182  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

Tgt Ion:142 Resp: 76164  
Ion Ratio Lower Upper  
142 100  
141 89.3 71.6 107.4  
115 34.4 28.6 43.0

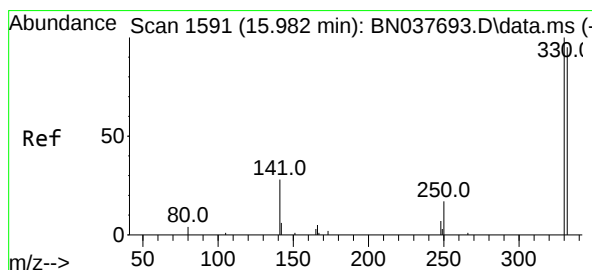
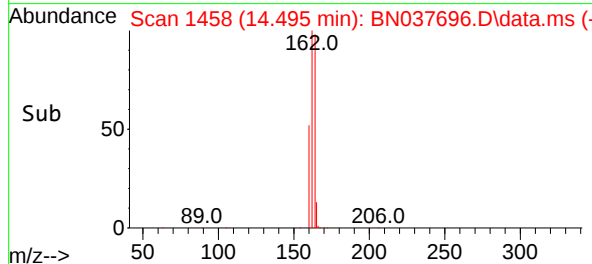
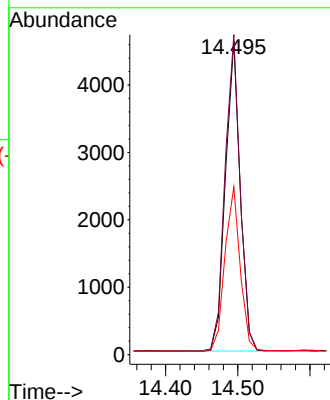
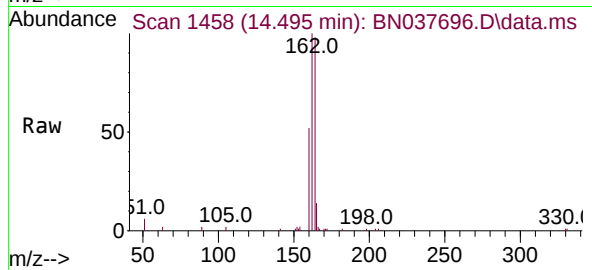




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.495 min Scan# 1458  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

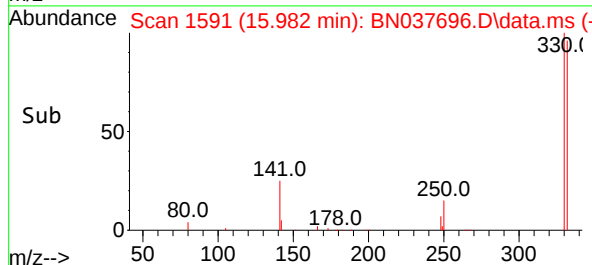
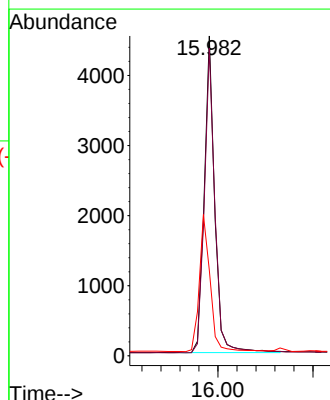
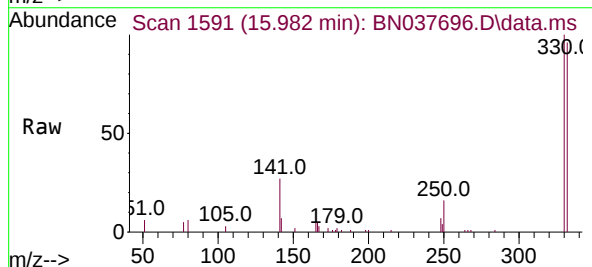
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

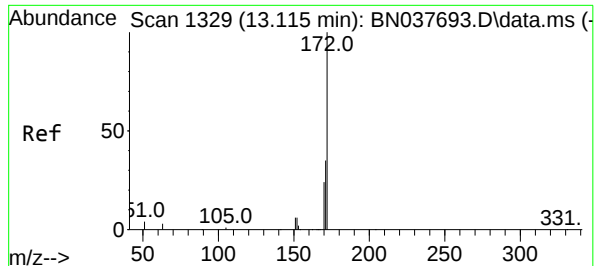
Tgt Ion:164 Resp: 6550  
Ion Ratio Lower Upper  
164 100  
162 102.0 83.1 124.7  
160 53.5 44.3 66.5



#14  
2,4,6-Tribromophenol  
Concen: 4.018 ng  
RT: 15.982 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

Tgt Ion:330 Resp: 6865  
Ion Ratio Lower Upper  
330 100  
332 97.3 75.3 112.9  
141 44.8 35.0 52.4

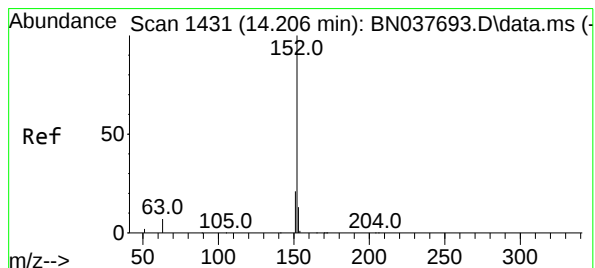
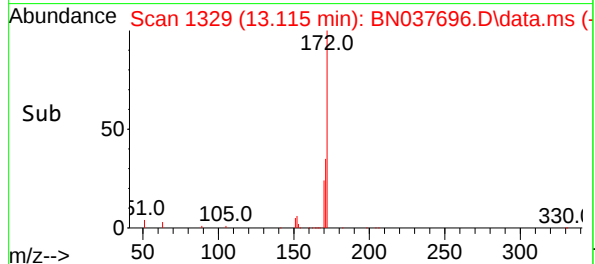
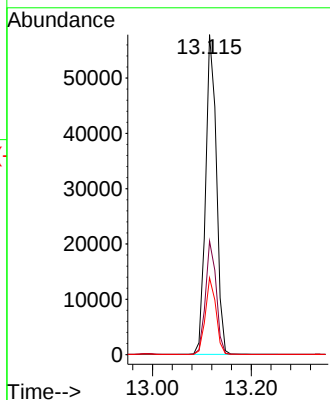
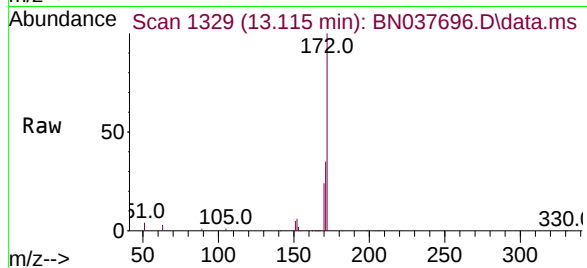




#15  
2-Fluorobiphenyl  
Concen: 3.202 ng  
RT: 13.115 min Scan# 1329  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

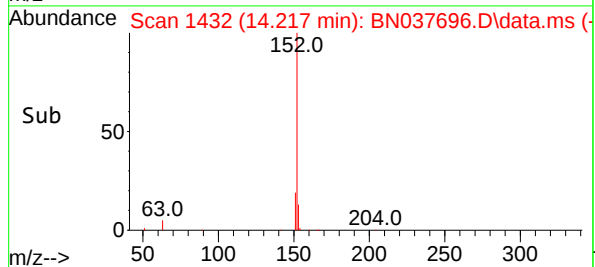
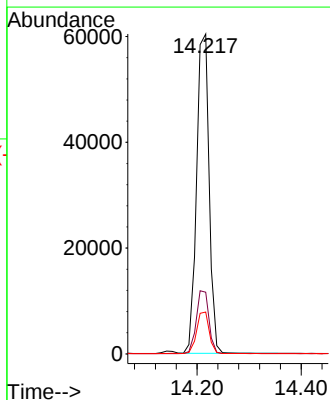
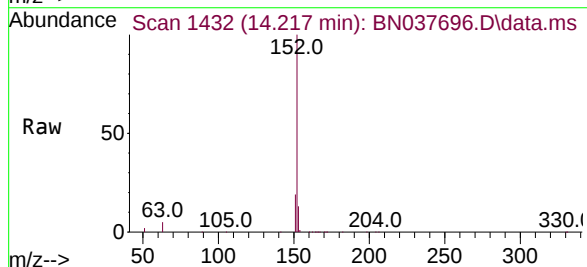
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

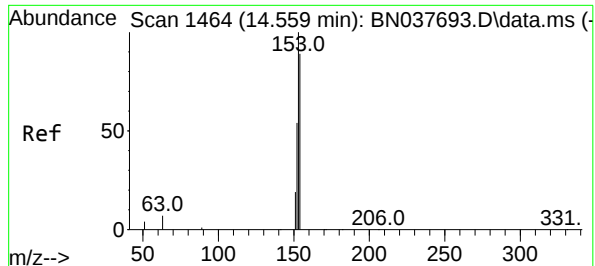
Tgt Ion:172 Resp: 87709  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.6 43.0  
170 24.0 19.8 29.8



#16  
Acenaphthylene  
Concen: 3.342 ng  
RT: 14.217 min Scan# 1432  
Delta R.T. 0.011 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

Tgt Ion:152 Resp: 100382  
Ion Ratio Lower Upper  
152 100  
151 19.9 16.2 24.2  
153 13.0 10.4 15.6

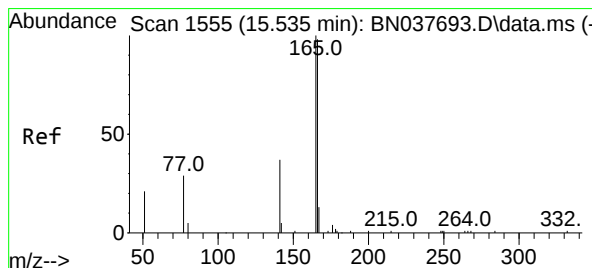
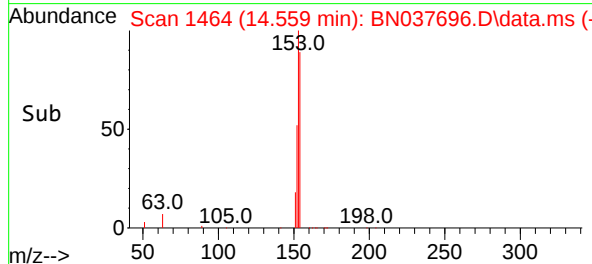
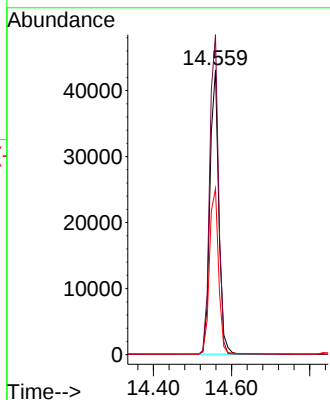
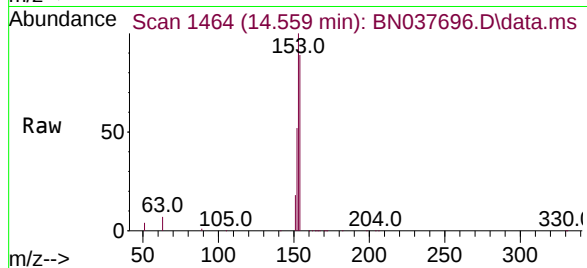




#17  
Acenaphthene  
Concen: 3.343 ng  
RT: 14.559 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

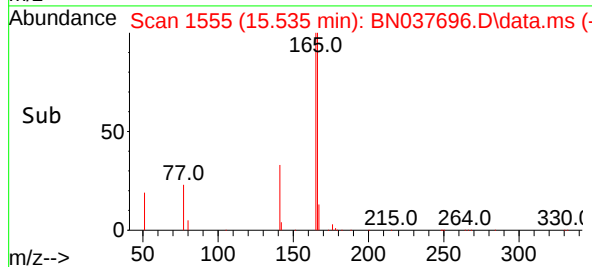
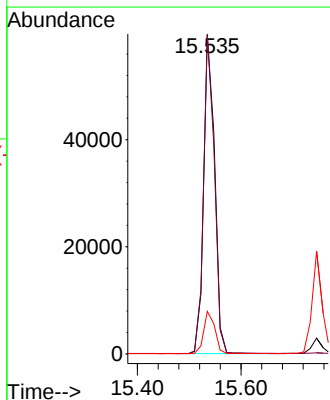
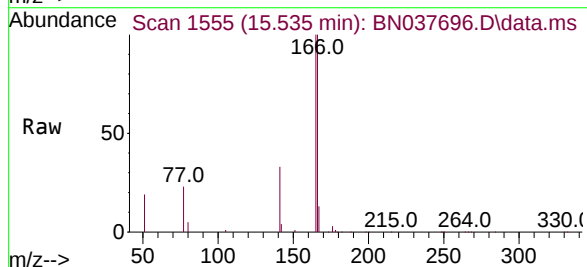
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

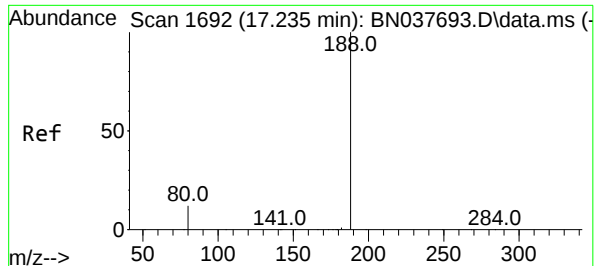
Tgt Ion:154 Resp: 67901  
Ion Ratio Lower Upper  
154 100  
153 111.5 89.8 134.8  
152 59.8 50.2 75.2



#18  
Fluorene  
Concen: 3.479 ng  
RT: 15.535 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

Tgt Ion:166 Resp: 85576  
Ion Ratio Lower Upper  
166 100  
165 96.7 79.6 119.4  
167 13.4 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.235 min Scan# 1692

Delta R.T. -0.000 min

Lab File: BN037696.D

Acq: 11 Sep 2025 12:56

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

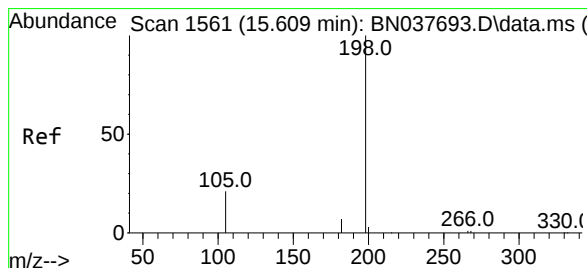
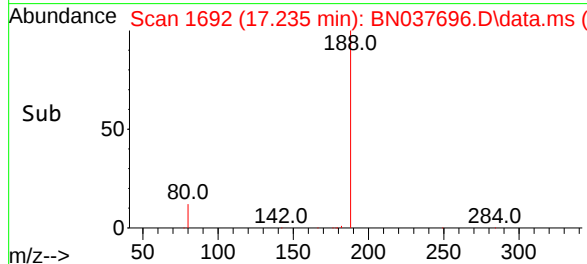
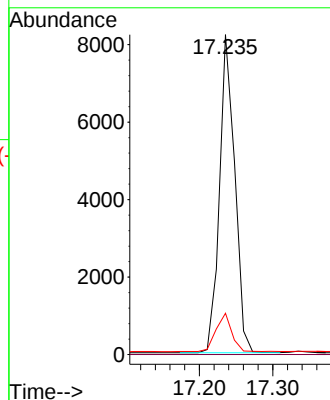
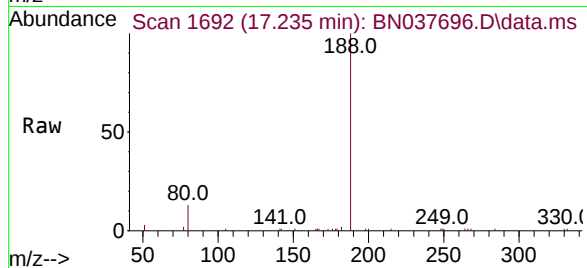
Tgt Ion:188 Resp: 11925

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.9 10.6 15.8



#20

4,6-Dinitro-2-methylphenol

Concen: 4.008 ng

RT: 15.609 min Scan# 1561

Delta R.T. 0.000 min

Lab File: BN037696.D

Acq: 11 Sep 2025 12:56

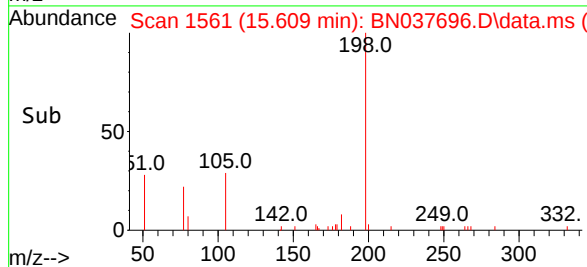
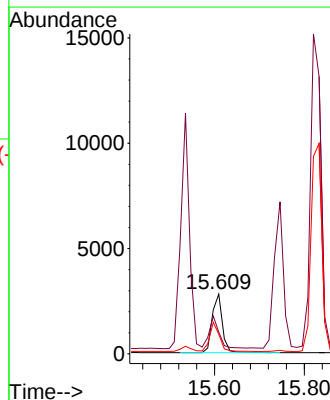
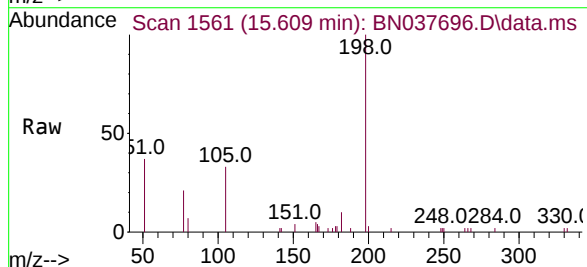
Tgt Ion:198 Resp: 4427

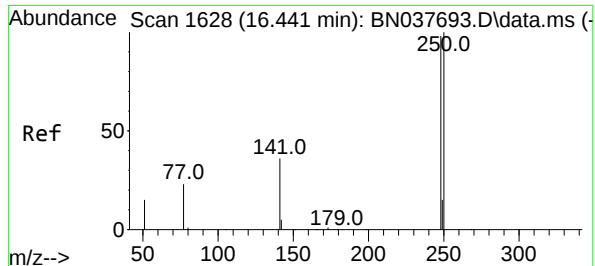
Ion Ratio Lower Upper

198 100

51 36.6 95.1 142.7#

105 32.9 53.8 80.6#

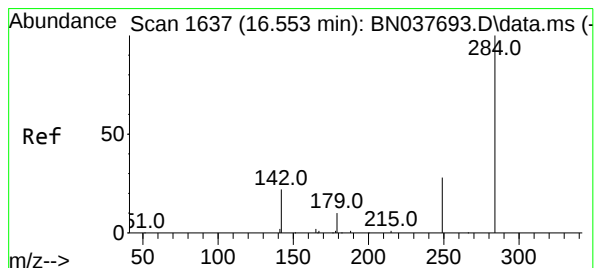
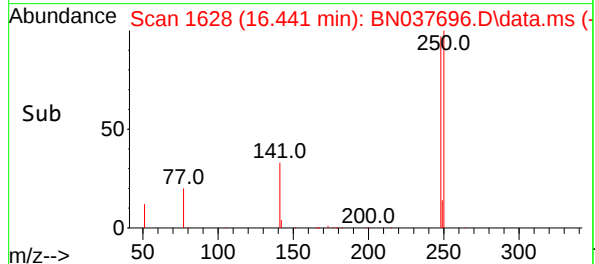
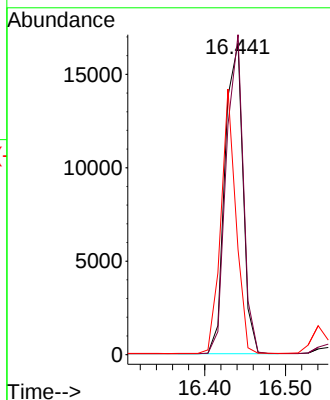
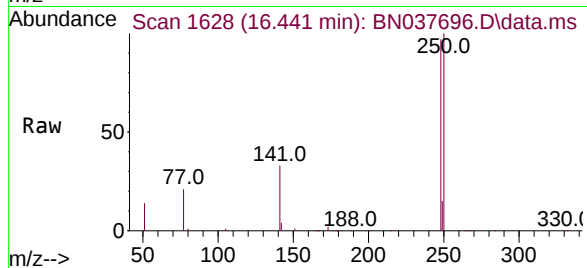




#21  
4-Bromophenyl-phenylether  
Concen: 3.300 ng  
RT: 16.441 min Scan# 1628  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

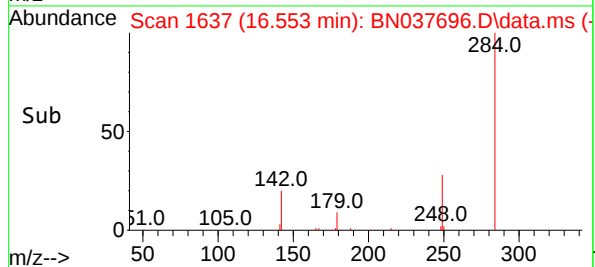
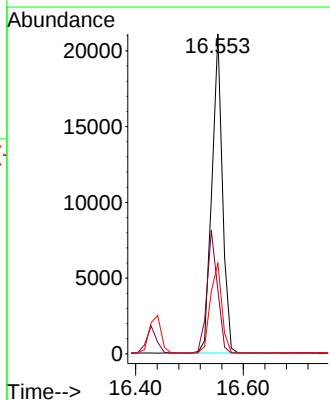
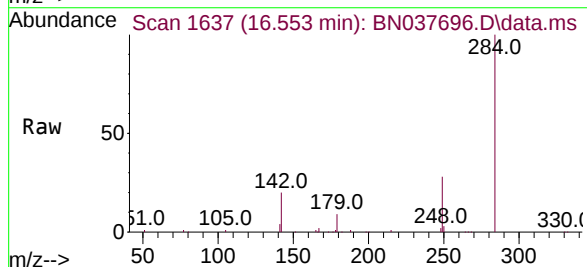
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

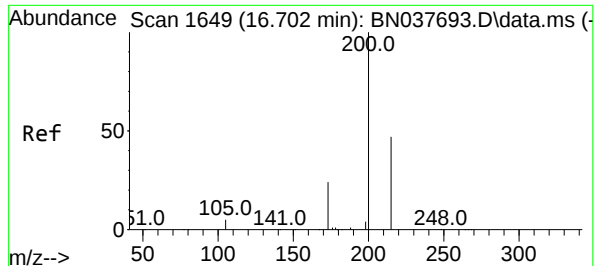
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 102.8 | 81.5  | 122.3 |
| 141     | 33.7  | 30.8  | 46.2  |



#22  
Hexachlorobenzene  
Concen: 3.226 ng  
RT: 16.553 min Scan# 1637  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 38.5  | 30.9  | 46.3  |
| 249     | 30.4  | 24.8  | 37.2  |

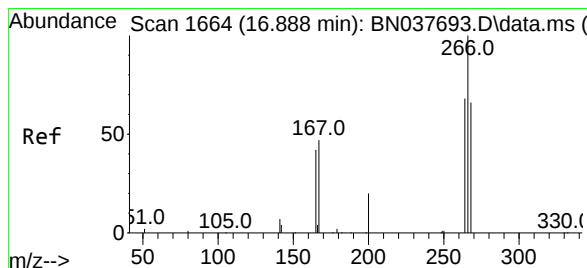
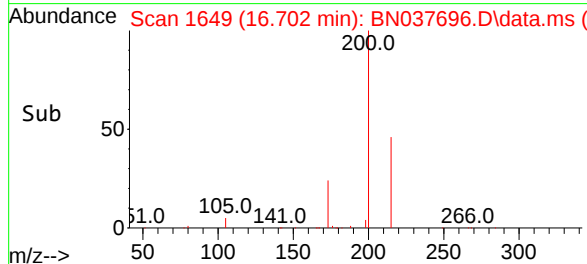
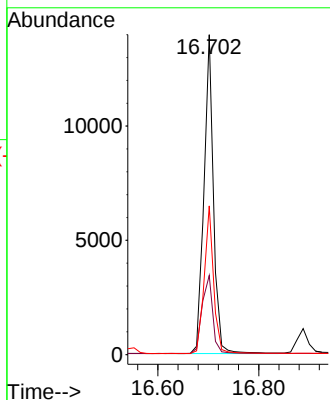
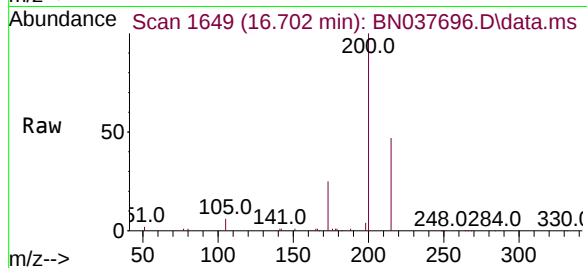




#23  
Atrazine  
Concen: 3.670 ng  
RT: 16.702 min Scan# 1649  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

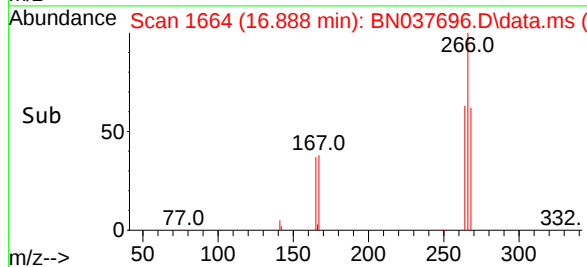
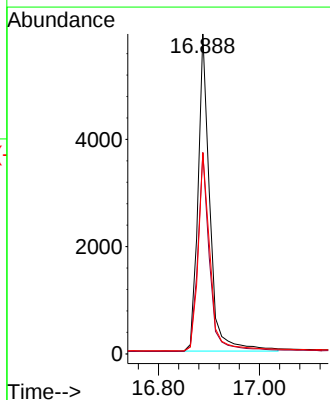
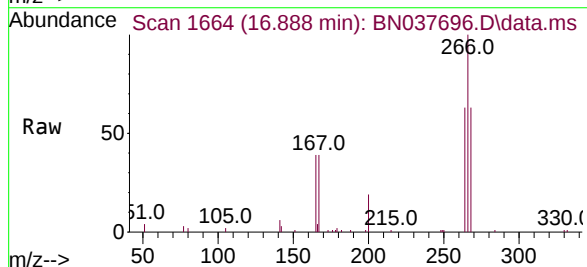
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

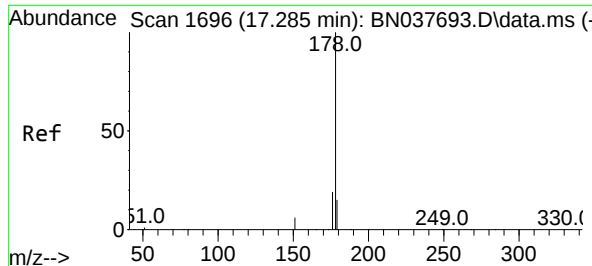
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 24.7  | 21.4  | 32.2  |
| 215     | 46.5  | 39.2  | 58.8  |



#24  
Pentachlorophenol  
Concen: 3.678 ng  
RT: 16.888 min Scan# 1664  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 62.5  | 51.6  | 77.4  |
| 268     | 63.4  | 53.2  | 79.8  |

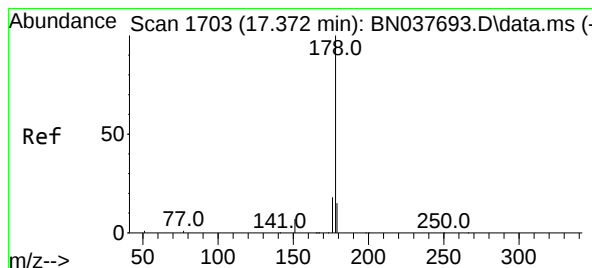
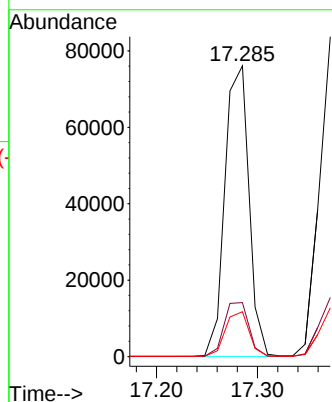
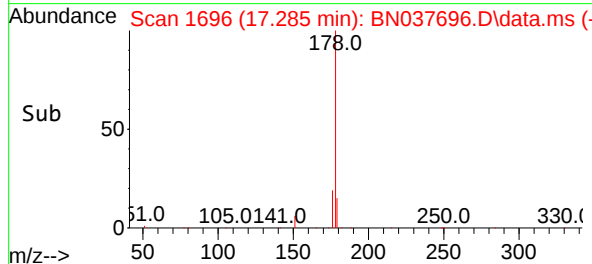
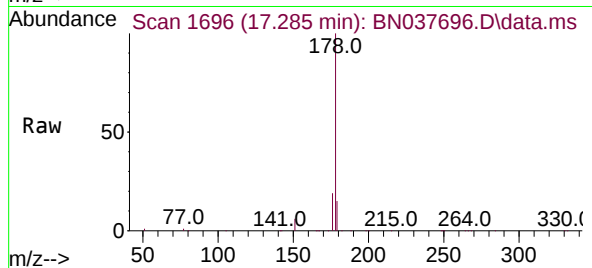




#25  
Phenanthrene  
Concen: 3.355 ng  
RT: 17.285 min Scan# 1696  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

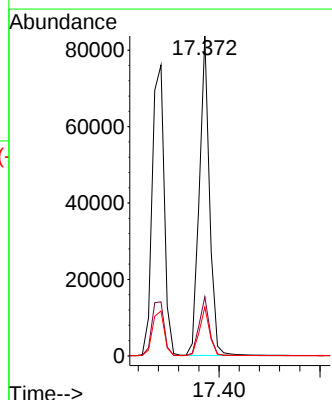
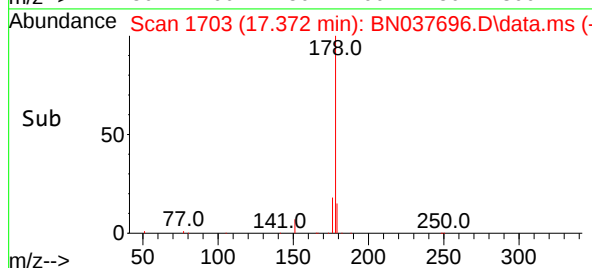
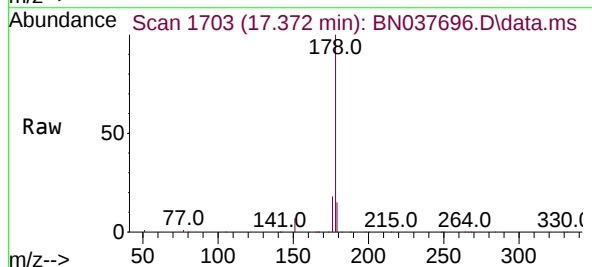
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

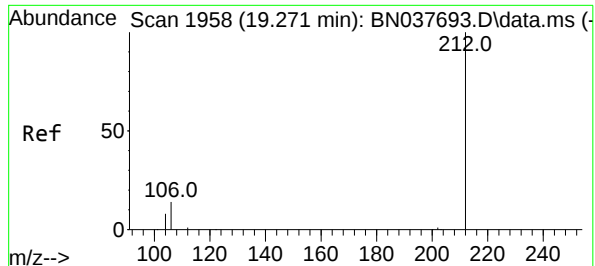
Tgt Ion:178 Resp: 125980  
Ion Ratio Lower Upper  
178 100  
176 19.2 15.3 22.9  
179 15.2 12.2 18.2



#26  
Anthracene  
Concen: 3.501 ng  
RT: 17.372 min Scan# 1703  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

Tgt Ion:178 Resp: 116443  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.6 22.0  
179 15.2 12.2 18.4





#27

Fluoranthene-d10

Concen: 3.531 ng

RT: 19.267 min Scan# 1957

Delta R.T. -0.005 min

Lab File: BN037696.D

Acq: 11 Sep 2025 12:56

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

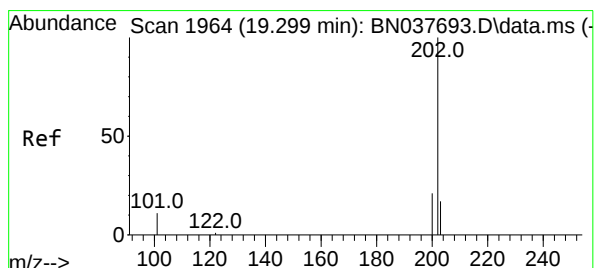
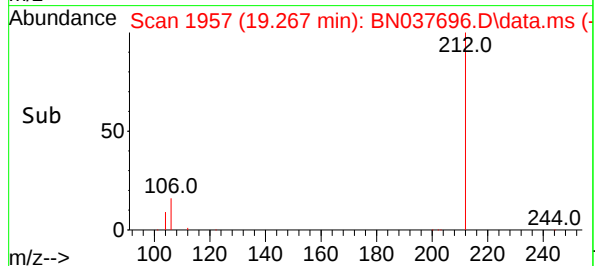
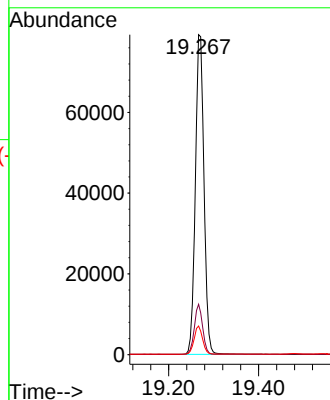
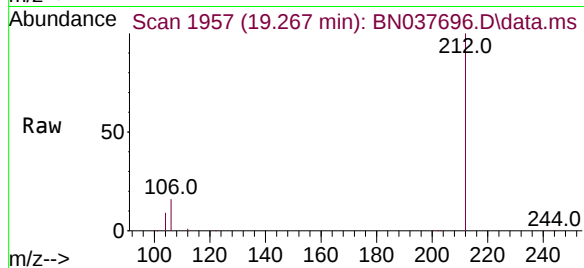
Tgt Ion:212 Resp: 105719

Ion Ratio Lower Upper

212 100

106 15.0 12.2 18.2

104 8.5 6.9 10.3



#28

Fluoranthene

Concen: 3.657 ng

RT: 19.299 min Scan# 1964

Delta R.T. -0.000 min

Lab File: BN037696.D

Acq: 11 Sep 2025 12:56

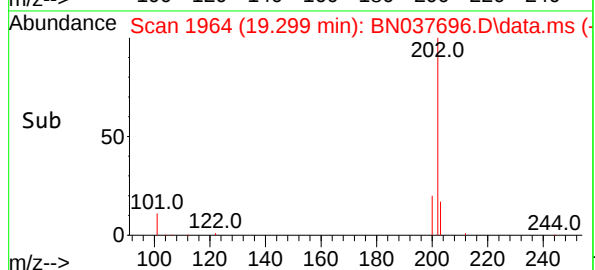
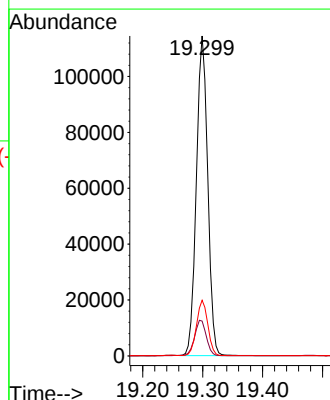
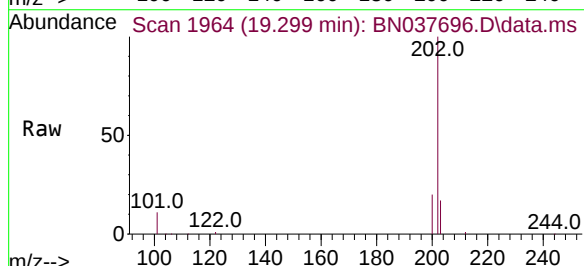
Tgt Ion:202 Resp: 150569

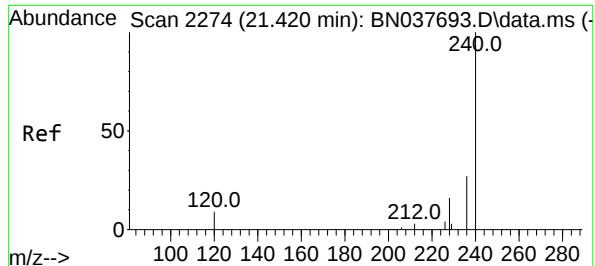
Ion Ratio Lower Upper

202 100

101 11.5 9.3 13.9

203 17.3 13.7 20.5





#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.420 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037696.D

Acq: 11 Sep 2025 12:56

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

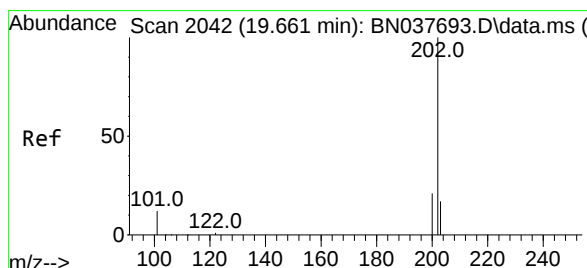
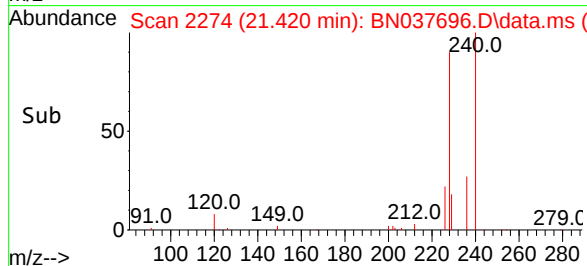
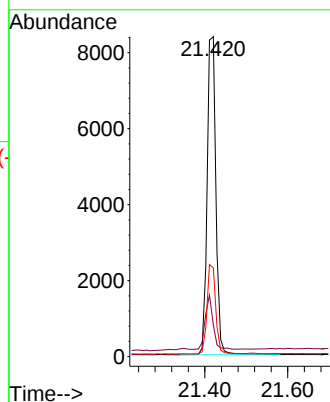
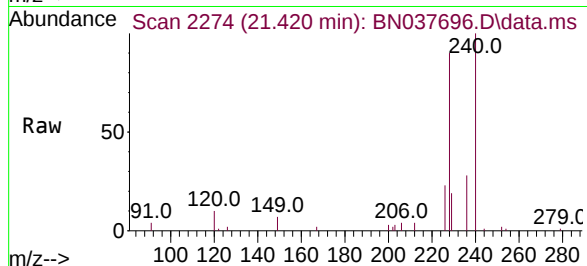
Tgt Ion:240 Resp: 12141

Ion Ratio Lower Upper

240 100

120 9.9 9.2 13.8

236 27.7 22.6 33.8



#30

Pyrene

Concen: 3.152 ng

RT: 19.661 min Scan# 2042

Delta R.T. -0.000 min

Lab File: BN037696.D

Acq: 11 Sep 2025 12:56

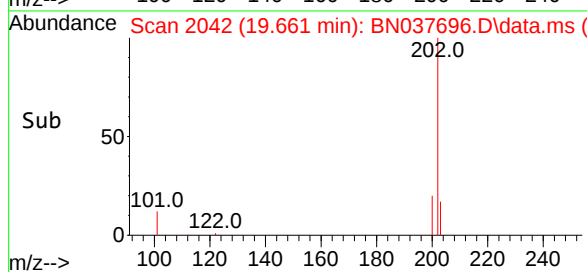
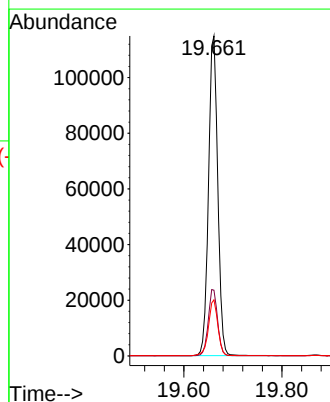
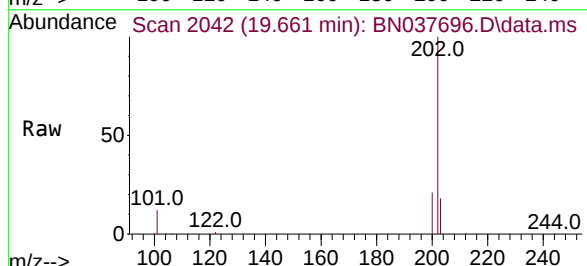
Tgt Ion:202 Resp: 149814

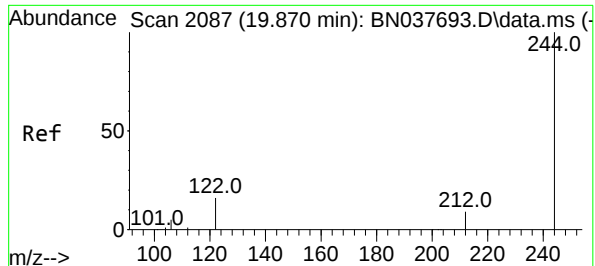
Ion Ratio Lower Upper

202 100

200 20.9 16.8 25.2

203 17.7 14.3 21.5

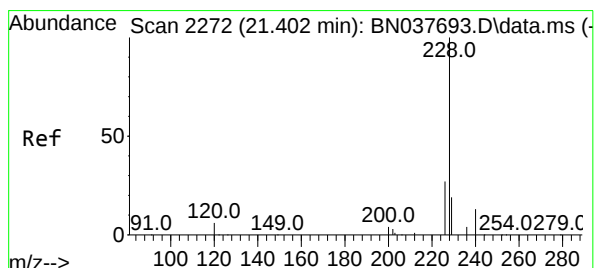
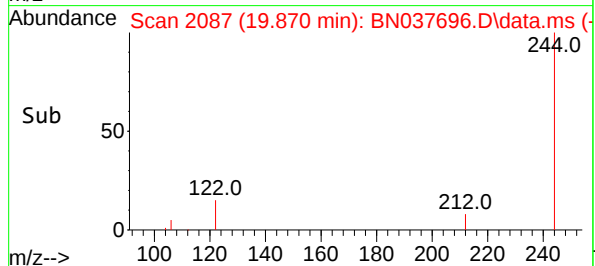
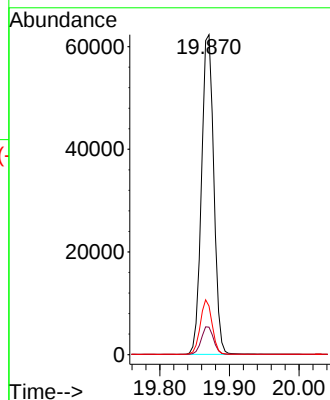
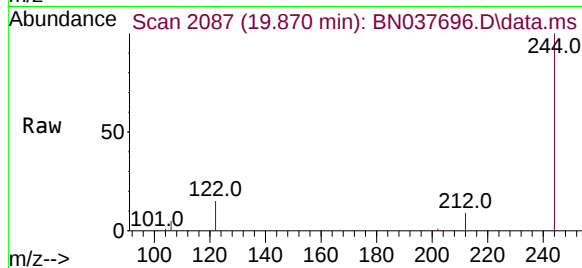




#31  
Terphenyl-d14  
Concen: 3.090 ng  
RT: 19.870 min Scan# 2087  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

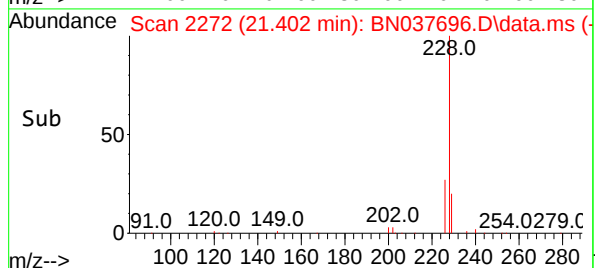
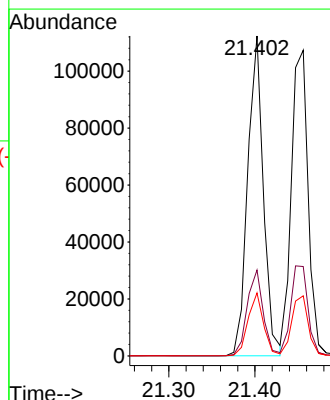
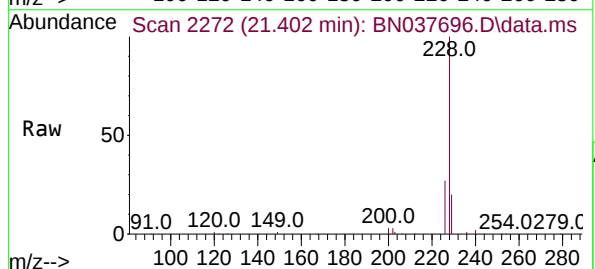
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

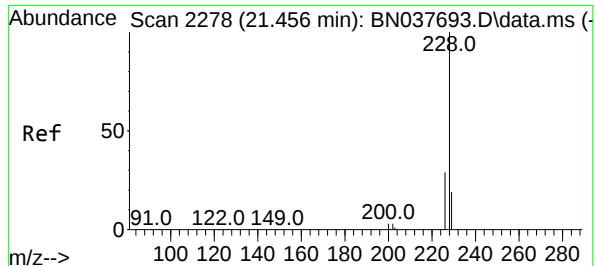
Tgt Ion:244 Resp: 76156  
Ion Ratio Lower Upper  
244 100  
212 8.6 7.5 11.3  
122 15.2 13.2 19.8



#32  
Benzo(a)anthracene  
Concen: 3.347 ng  
RT: 21.402 min Scan# 2272  
Delta R.T. -0.000 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

Tgt Ion:228 Resp: 141736  
Ion Ratio Lower Upper  
228 100  
226 26.8 22.2 33.2  
229 19.7 15.8 23.6





#33

Chrysene

Concen: 3.221 ng

RT: 21.456 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN037696.D

Acq: 11 Sep 2025 12:56

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

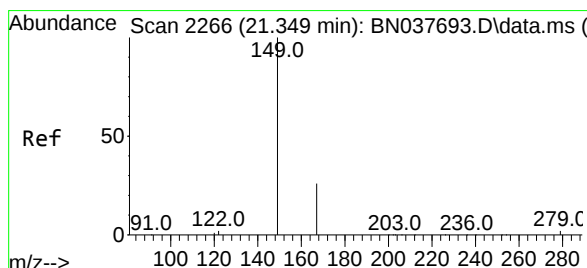
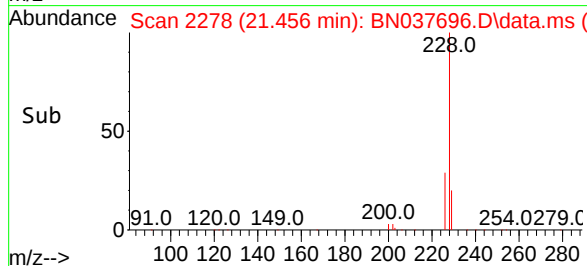
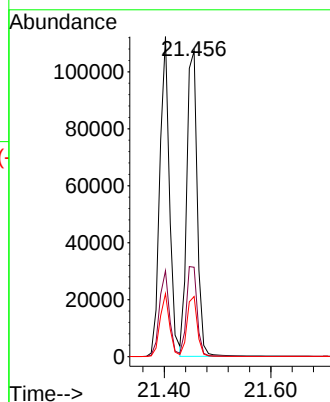
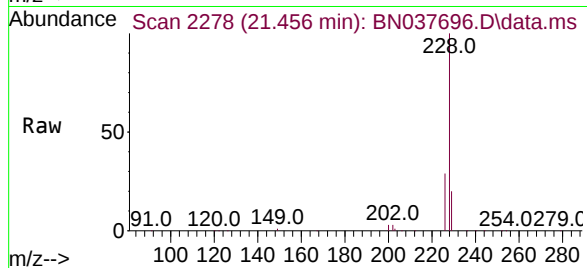
Tgt Ion:228 Resp: 146238

Ion Ratio Lower Upper

228 100

226 29.2 23.5 35.3

229 19.7 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 3.385 ng

RT: 21.349 min Scan# 2266

Delta R.T. -0.000 min

Lab File: BN037696.D

Acq: 11 Sep 2025 12:56

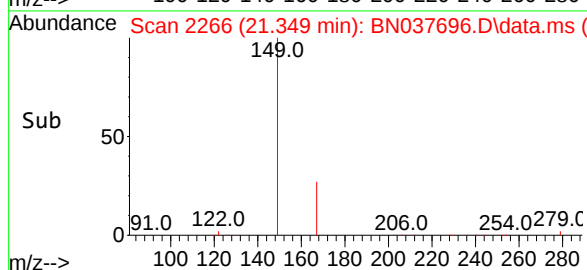
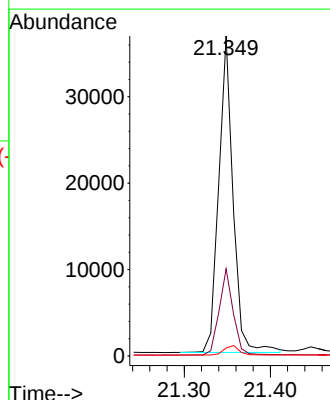
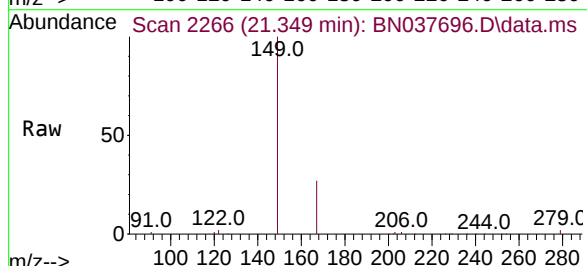
Tgt Ion:149 Resp: 42504

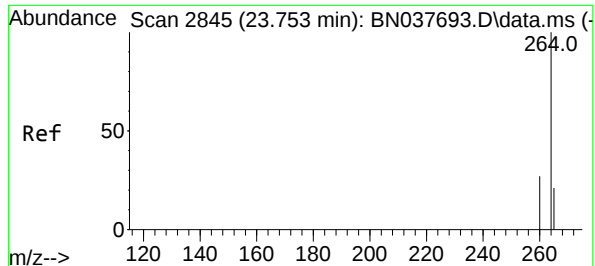
Ion Ratio Lower Upper

149 100

167 26.6 20.8 31.2

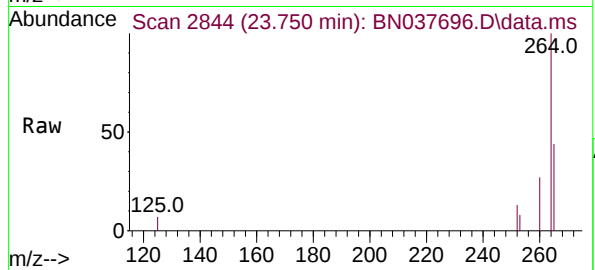
279 3.1 3.3 4.9#



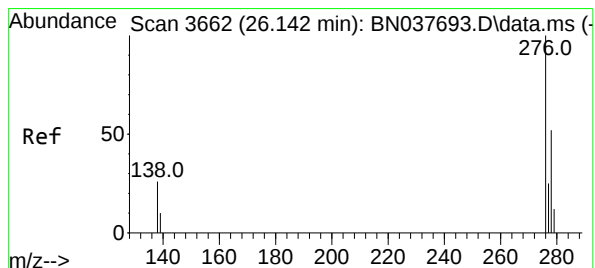
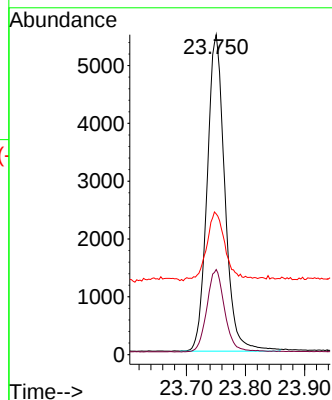
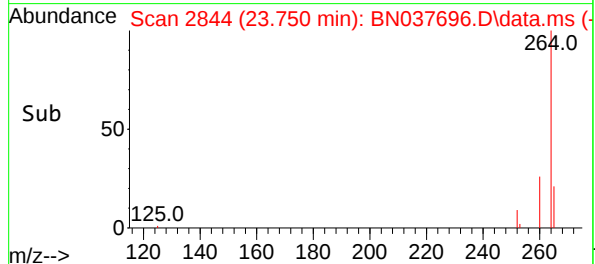


#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.750 min Scan# 2844  
Delta R.T. -0.003 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC3.2

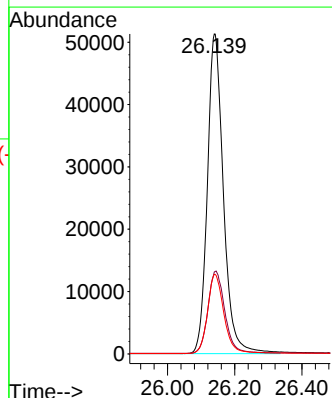
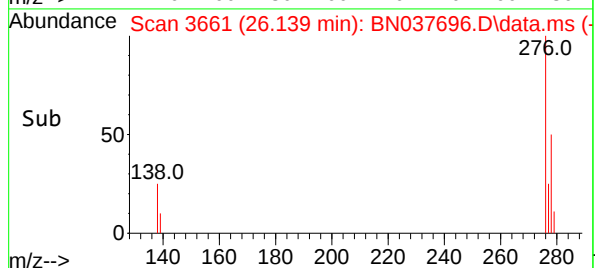
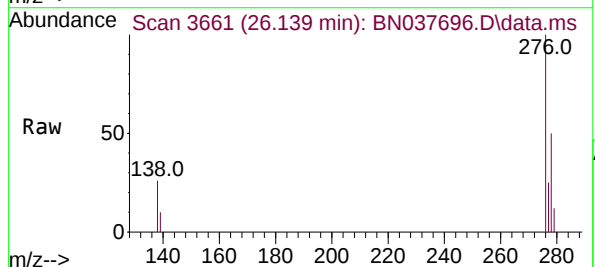


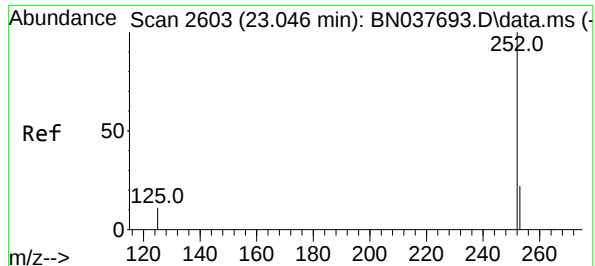
Tgt Ion:264 Resp: 11403  
Ion Ratio Lower Upper  
264 100  
260 26.6 21.8 32.8  
265 44.0 39.4 59.2



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 3.551 ng  
RT: 26.139 min Scan# 3661  
Delta R.T. -0.003 min  
Lab File: BN037696.D  
Acq: 11 Sep 2025 12:56

Tgt Ion:276 Resp: 170120  
Ion Ratio Lower Upper  
276 100  
138 27.3 21.9 32.9  
277 25.3 20.1 30.1





#37

Benzo(b)fluoranthene

Concen: 3.401 ng

RT: 23.046 min Scan# 2603

Delta R.T. -0.000 min

Lab File: BN037696.D

Acq: 11 Sep 2025 12:56

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

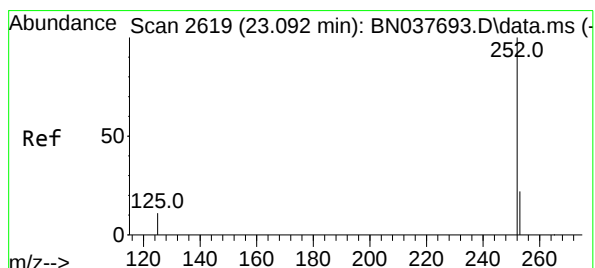
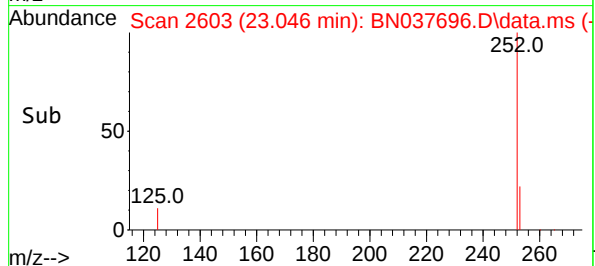
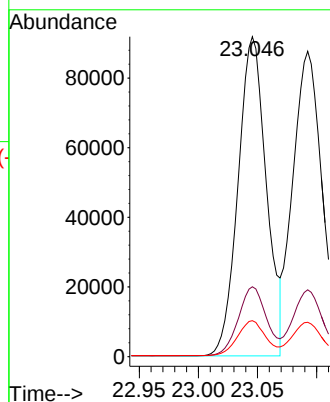
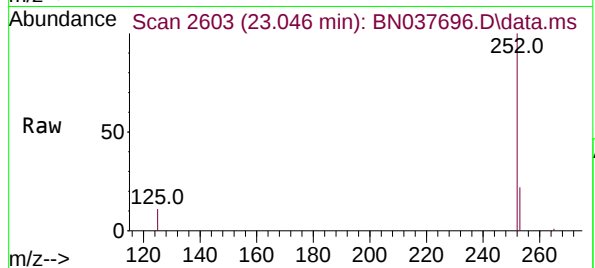
Tgt Ion:252 Resp: 152726

Ion Ratio Lower Upper

252 100

253 21.8 19.4 29.2

125 11.2 11.2 16.8



#38

Benzo(k)fluoranthene

Concen: 3.378 ng

RT: 23.092 min Scan# 2619

Delta R.T. -0.000 min

Lab File: BN037696.D

Acq: 11 Sep 2025 12:56

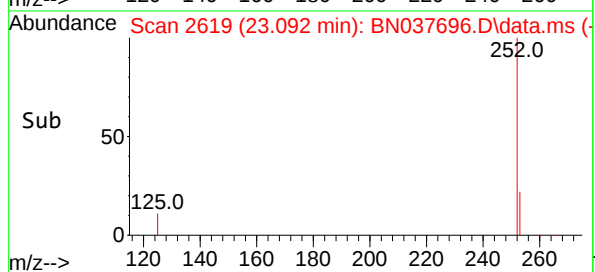
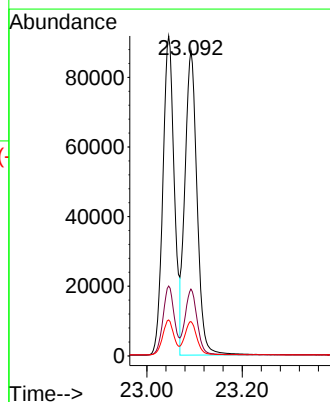
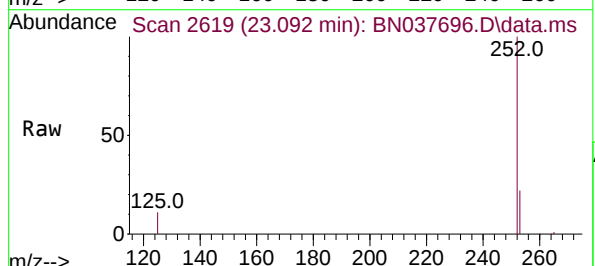
Tgt Ion:252 Resp: 154690

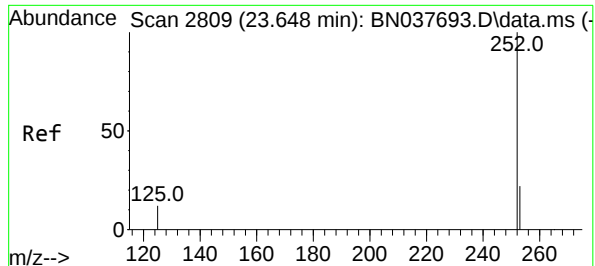
Ion Ratio Lower Upper

252 100

253 21.9 19.4 29.0

125 11.3 11.6 17.4#





#39

Benzo(a)pyrene

Concen: 3.469 ng

RT: 23.648 min Scan# 2809

Delta R.T. -0.000 min

Lab File: BN037696.D

Acq: 11 Sep 2025 12:56

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2

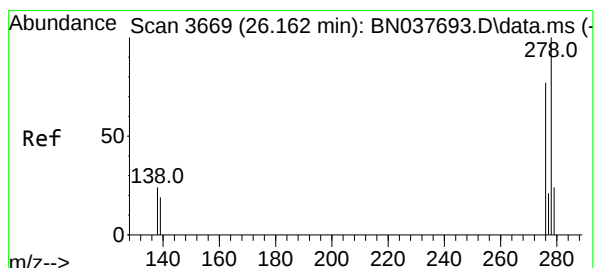
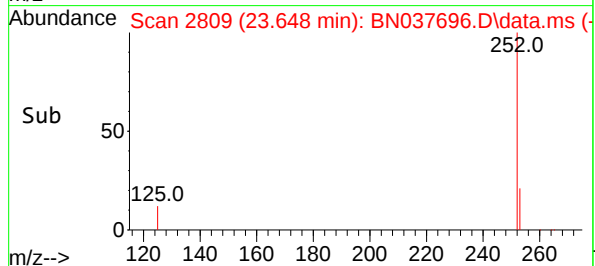
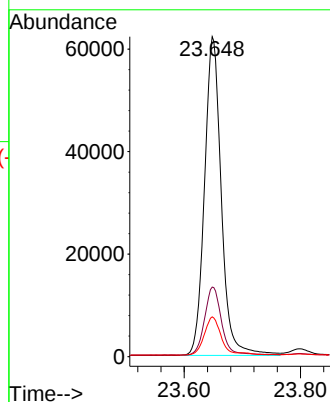
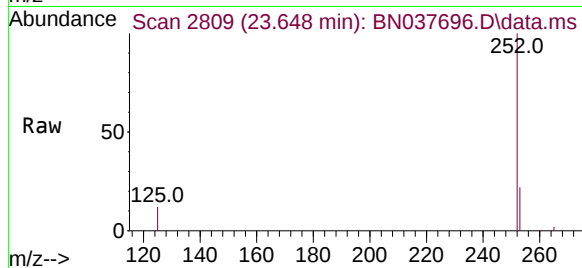
Tgt Ion:252 Resp: 124741

Ion Ratio Lower Upper

252 100

253 21.7 20.8 31.2

125 12.4 13.9 20.9#



#40

Dibenzo(a,h)anthracene

Concen: 3.623 ng

RT: 26.159 min Scan# 3668

Delta R.T. -0.003 min

Lab File: BN037696.D

Acq: 11 Sep 2025 12:56

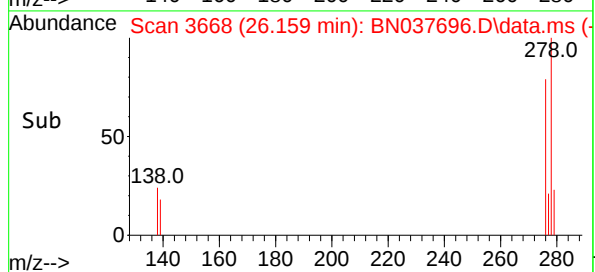
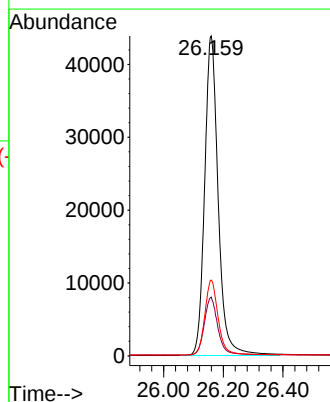
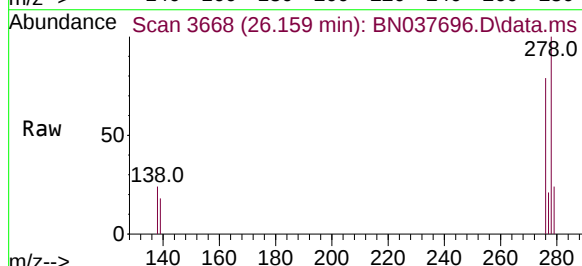
Tgt Ion:278 Resp: 138597

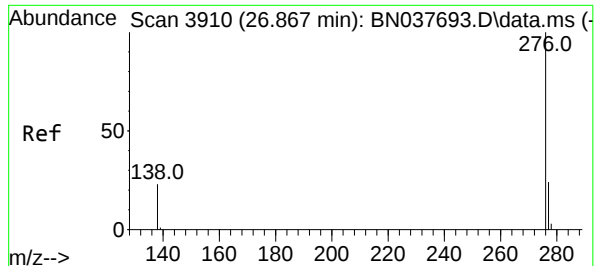
Ion Ratio Lower Upper

278 100

139 18.4 17.8 26.6

279 23.7 22.0 33.0





#41

Benzo(g,h,i)perylene

Concen: 3.415 ng

RT: 26.864 min Scan# 3910

Delta R.T. -0.003 min

Lab File: BN037696.D

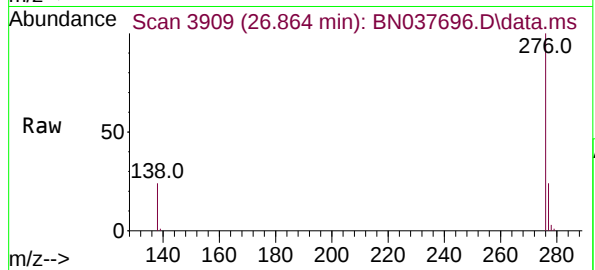
Acq: 11 Sep 2025 12:56

Instrument :

BNA\_N

ClientSampleId :

SSTDICC3.2



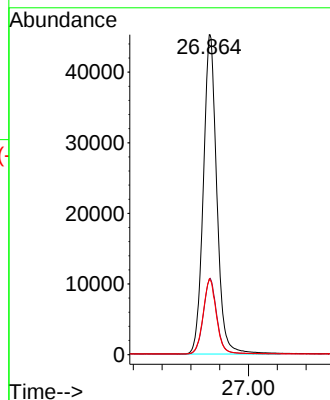
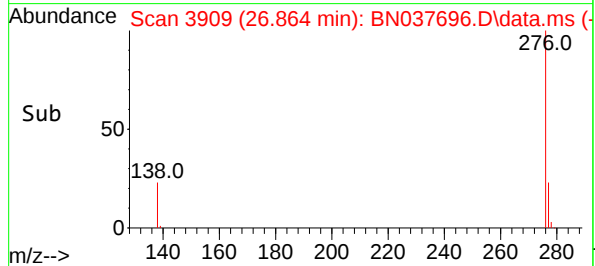
Tgt Ion:276 Resp: 146601

Ion Ratio Lower Upper

276 100

277 23.6 20.6 31.0

138 23.6 20.2 30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
 Data File : BN037697.D  
 Acq On : 11 Sep 2025 13:33  
 Operator : RC/JU  
 Sample : SSTDICC5.0  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDICC5.0

Quant Time: Sep 11 14:07:42 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:02:44 2025  
 Response via : Initial Calibration

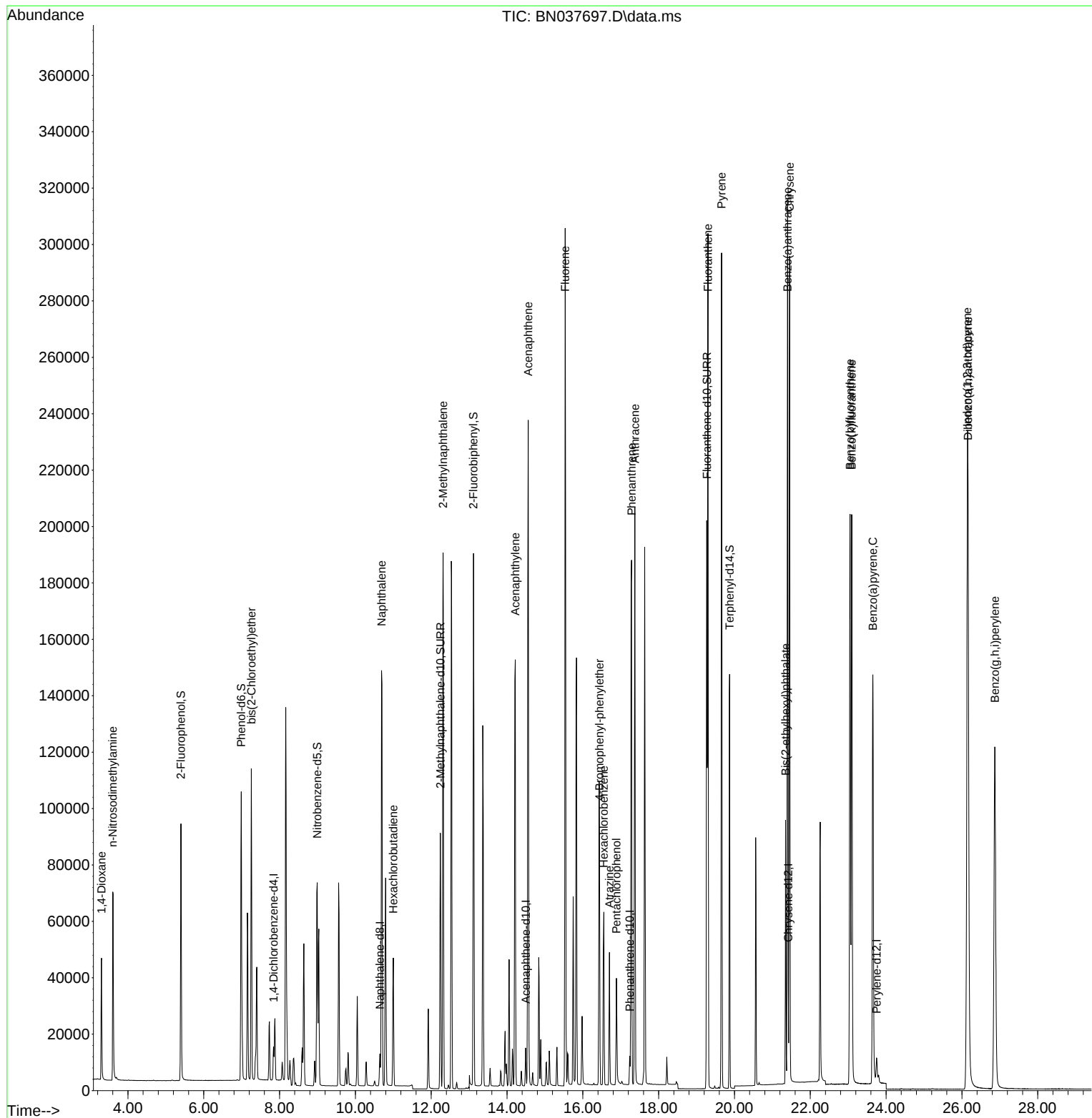
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.840  | 152  | 5654     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.648 | 136  | 14362    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.495 | 164  | 7056     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.235 | 188  | 12767    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.420 | 240  | 13060    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.753 | 264  | 12009    | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.399  | 112  | 70949    | 5.466 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.988  | 99   | 91084    | 5.412 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.993  | 82   | 58397    | 5.559 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.243 | 152  | 119992   | 6.306 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 0.000  | 330  | 0d       | 0.000 | ng    |          |
| 15) 2-Fluorobiphenyl          | 13.115 | 172  | 157398   | 5.334 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.271 | 212  | 215419   | 6.721 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.870 | 244  | 145595   | 5.493 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.304  | 88   | 27447    | 4.661 | ng    | 97       |
| 3) n-Nitrosodimethylamine     | 3.601  | 42   | 38960    | 5.064 | ng    | # 93     |
| 6) bis(2-Chloroethyl)ether    | 7.255  | 93   | 75108    | 4.995 | ng    | 100      |
| 9) Naphthalene                | 10.690 | 128  | 206218   | 5.253 | ng    | 99       |
| 10) Hexachlorobutadiene       | 11.000 | 225  | 36218    | 5.099 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.314 | 142  | 132802   | 5.469 | ng    | 99       |
| 16) Acenaphthylene            | 14.217 | 152  | 178140   | 5.505 | ng    | 100      |
| 17) Acenaphthene              | 14.559 | 154  | 118915   | 5.435 | ng    | 97       |
| 18) Fluorene                  | 15.535 | 166  | 147419   | 5.563 | ng    | 99       |
| 21) 4-Bromophenyl-phenylether | 16.441 | 248  | 45357    | 5.448 | ng    | 98       |
| 22) Hexachlorobenzene         | 16.553 | 284  | 49411    | 5.160 | ng    | 99       |
| 23) Atrazine                  | 16.702 | 200  | 33341    | 6.295 | ng    | 96       |
| 24) Pentachlorophenol         | 16.888 | 266  | 18297    | 6.581 | ng    | 97       |
| 25) Phenanthrene              | 17.285 | 178  | 218722   | 5.441 | ng    | 100      |
| 26) Anthracene                | 17.372 | 178  | 204421   | 5.741 | ng    | 100      |
| 28) Fluoranthene              | 19.299 | 202  | 261250   | 5.926 | ng    | 99       |
| 30) Pyrene                    | 19.661 | 202  | 259551   | 5.077 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.402 | 228  | 248434   | 5.454 | ng    | 99       |
| 33) Chrysene                  | 21.456 | 228  | 251956   | 5.158 | ng    | 100      |
| 34) Bis(2-ethylhexyl)phtha... | 21.349 | 149  | 82262    | 6.091 | ng    | # 99     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.145 | 276  | 303960   | 6.024 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 23.049 | 252  | 266973   | 5.645 | ng    | # 94     |
| 38) Benzo(k)fluoranthene      | 23.093 | 252  | 263641   | 5.466 | ng    | # 94     |
| 39) Benzo(a)pyrene            | 23.651 | 252  | 220208   | 5.816 | ng    | # 90     |
| 40) Dibenzo(a,h)anthracene    | 26.162 | 278  | 245606   | 6.096 | ng    | # 91     |
| 41) Benzo(g,h,i)perylene      | 26.867 | 276  | 258594   | 5.720 | ng    | 95       |
| -----                         |        |      |          |       |       |          |

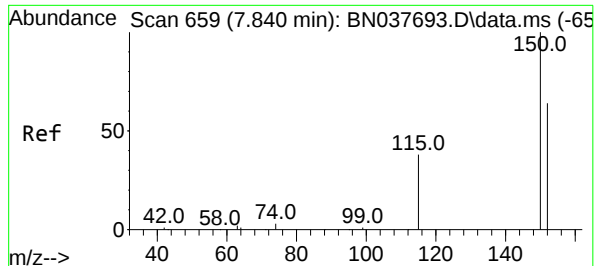
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
Data File : BN037697.D  
Acq On : 11 Sep 2025 13:33  
Operator : RC/JU  
Sample : SSTDICC5.0  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

Quant Time: Sep 11 14:07:42 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 11 14:02:44 2025  
Response via : Initial Calibration

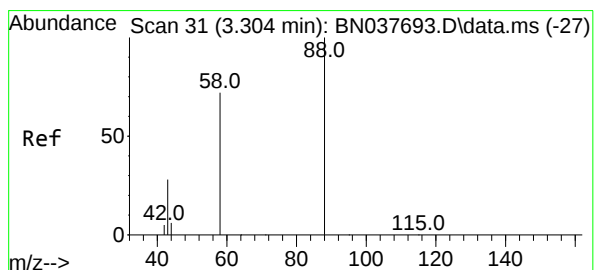
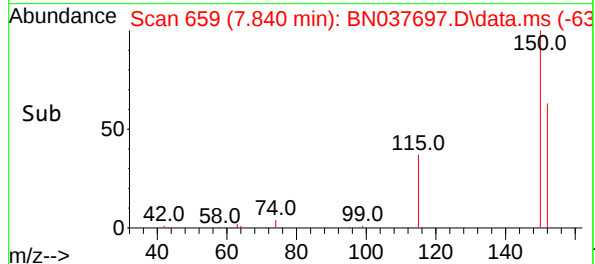
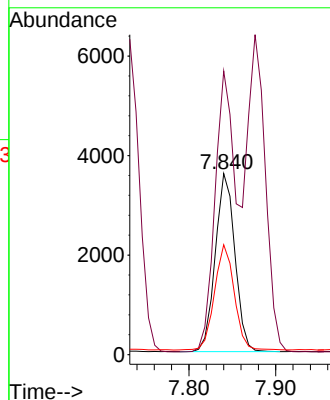
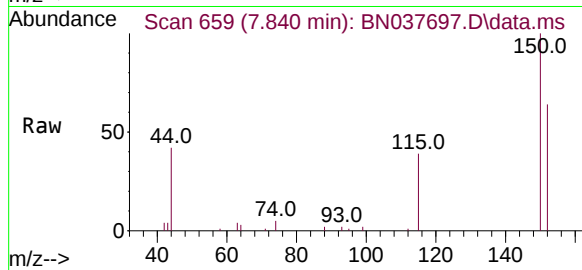




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.840 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

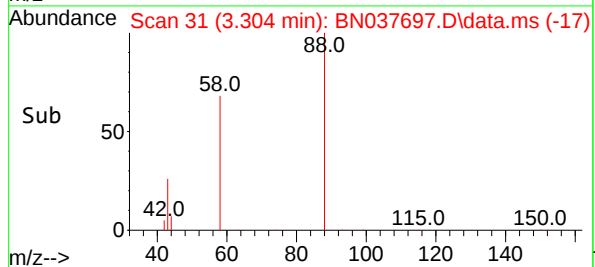
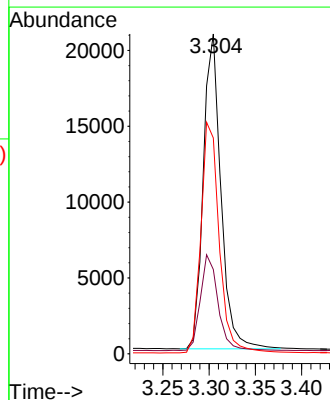
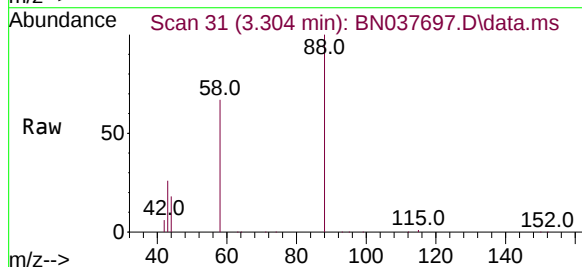
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

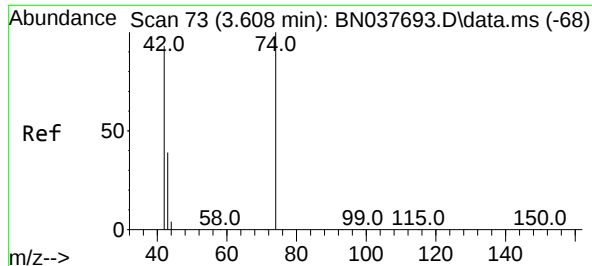
Tgt Ion:152 Resp: 5654  
Ion Ratio Lower Upper  
152 100  
150 156.6 124.5 186.7  
115 60.7 49.2 73.8



#2  
1,4-Dioxane  
Concen: 4.661 ng  
RT: 3.304 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

Tgt Ion: 88 Resp: 27447  
Ion Ratio Lower Upper  
88 100  
43 30.7 26.8 40.2  
58 76.0 61.9 92.9

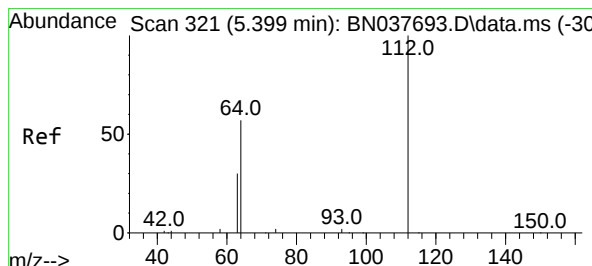
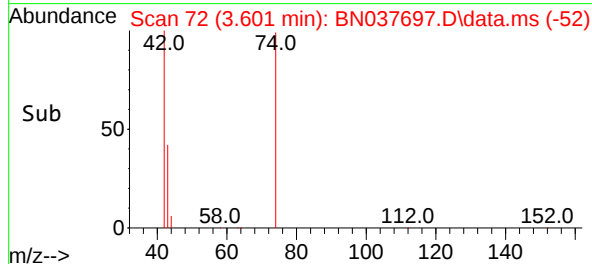
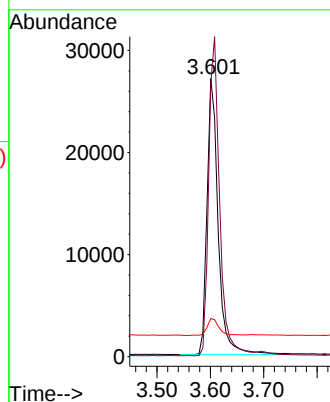
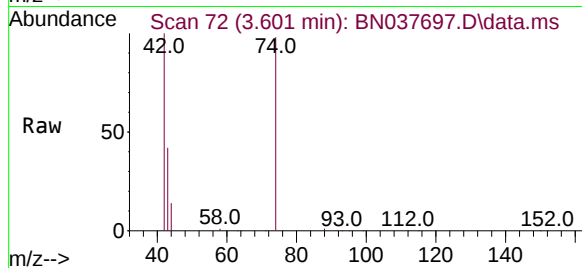




#3  
n-Nitrosodimethylamine  
Concen: 5.064 ng  
RT: 3.601 min Scan# 71  
Delta R.T. -0.007 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

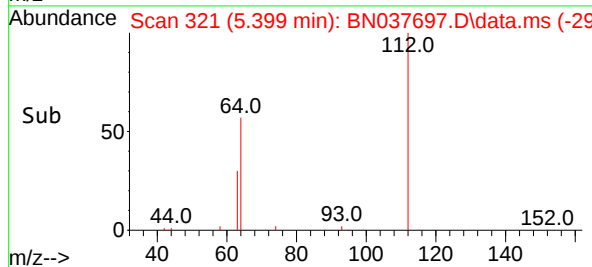
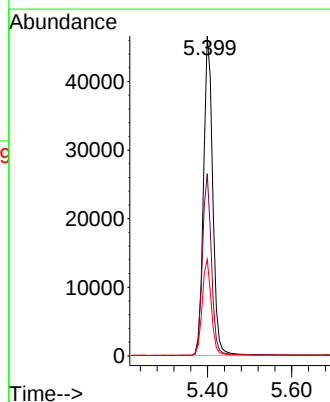
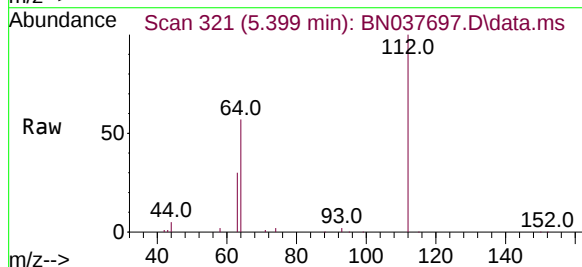
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

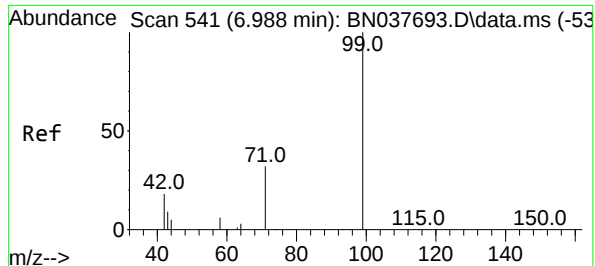
Tgt Ion: 42 Resp: 38960  
Ion Ratio Lower Upper  
42 100  
74 114.1 86.0 129.0  
44 6.6 8.4 12.6#



#4  
2-Fluorophenol  
Concen: 5.466 ng  
RT: 5.399 min Scan# 321  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

Tgt Ion: 112 Resp: 70949  
Ion Ratio Lower Upper  
112 100  
64 56.2 44.9 67.3  
63 30.0 24.7 37.1

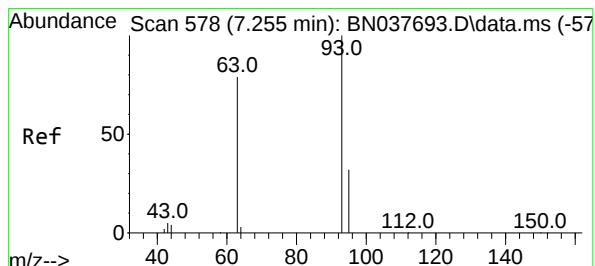
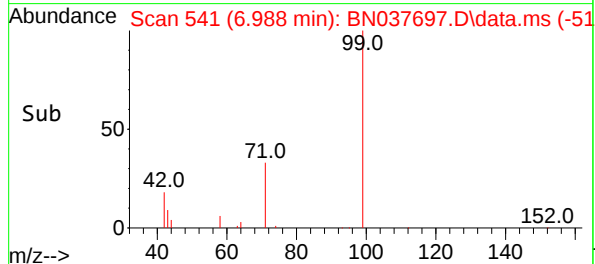
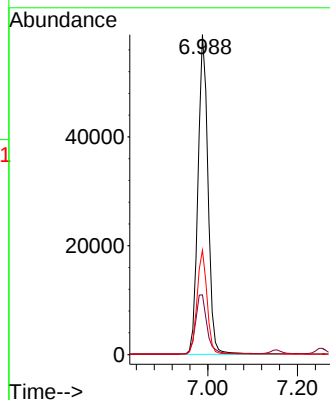
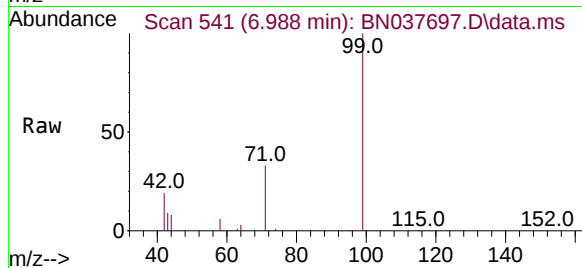




#5  
Phenol-d6  
Concen: 5.412 ng  
RT: 6.988 min Scan# 541  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

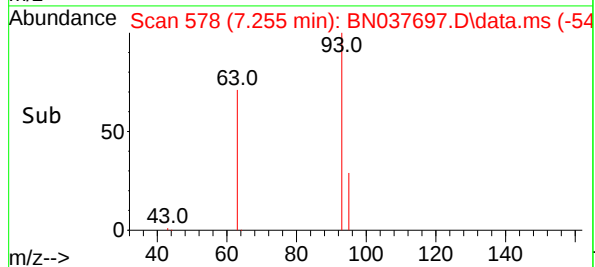
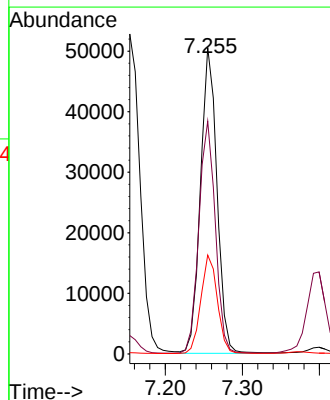
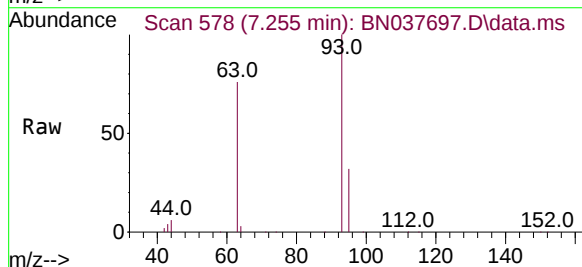
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

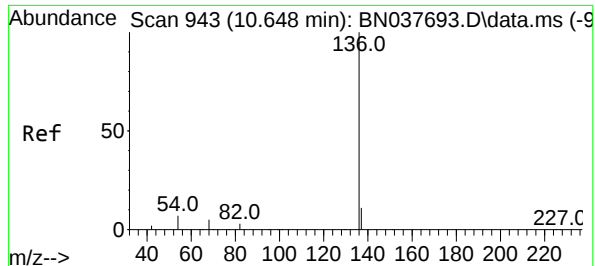
Tgt Ion: 99 Resp: 91084  
Ion Ratio Lower Upper  
99 100  
42 20.8 16.6 24.8  
71 32.6 26.7 40.1



#6  
bis(2-Chloroethyl)ether  
Concen: 4.995 ng  
RT: 7.255 min Scan# 578  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

Tgt Ion: 93 Resp: 75108  
Ion Ratio Lower Upper  
93 100  
63 75.4 60.6 90.8  
95 32.1 26.0 39.0

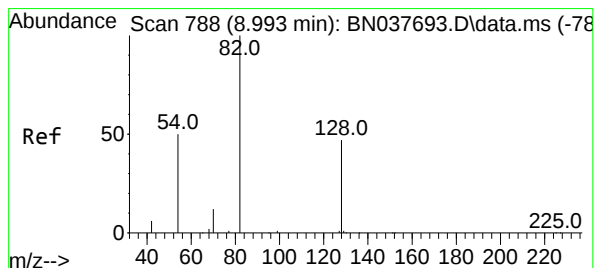
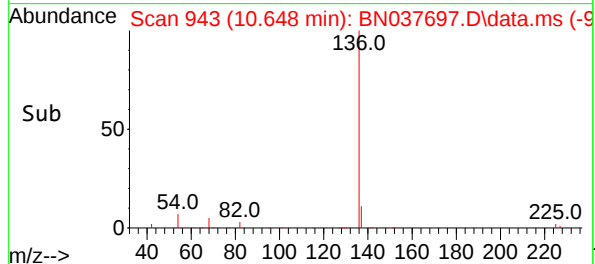
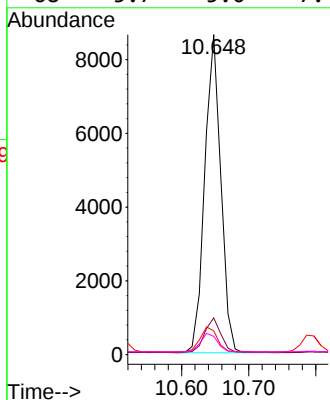
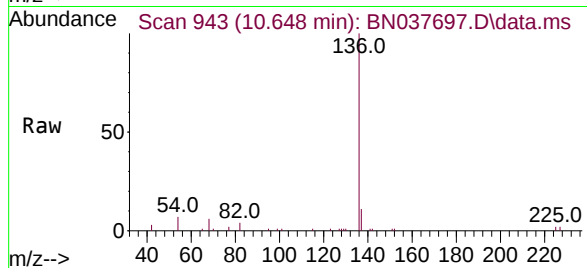




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.648 min Scan# 94  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

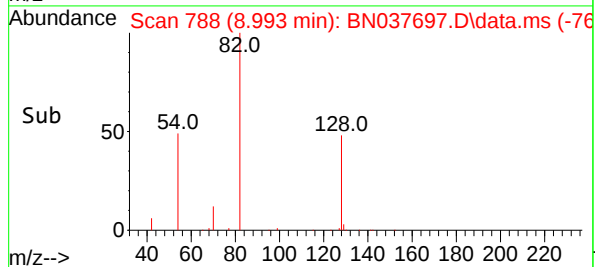
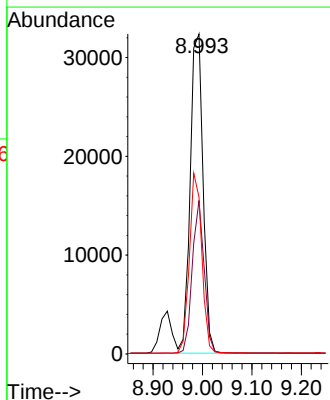
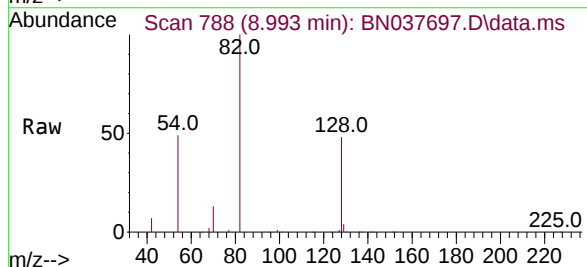
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

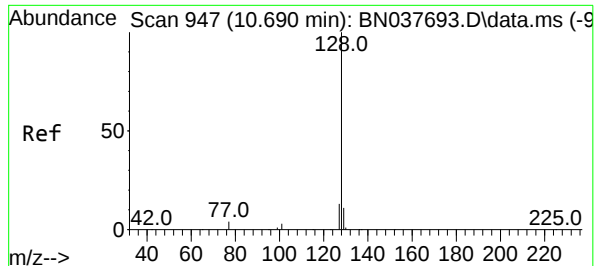
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 14362 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.5  | 9.1   | 13.7  |
| 54       | 7.4   | 6.3   | 9.5   |
| 68       | 5.7   | 5.0   | 7.4   |



#8  
Nitrobenzene-d5  
Concen: 5.559 ng  
RT: 8.993 min Scan# 788  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 58397 |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 47.9  | 38.3  | 57.5  |
| 54       | 49.0  | 41.4  | 62.2  |

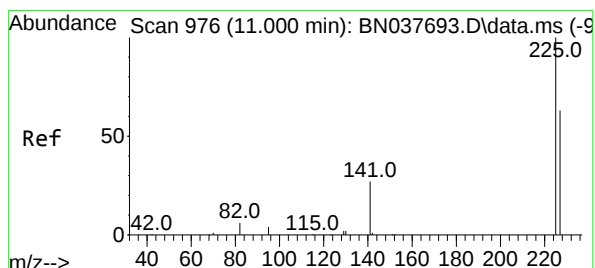
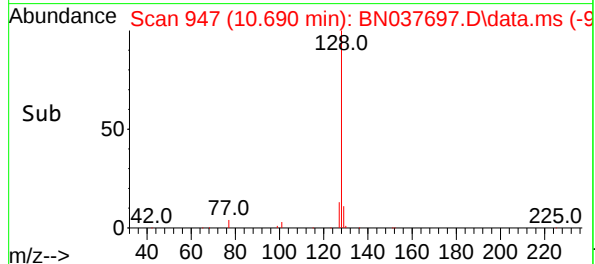
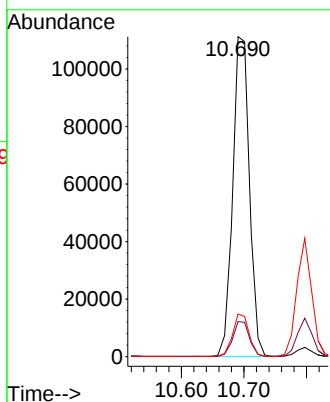
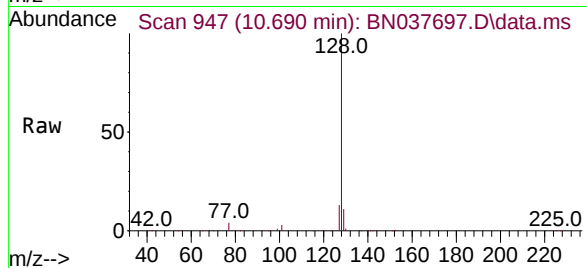




#9  
Naphthalene  
Concen: 5.253 ng  
RT: 10.690 min Scan# 947  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

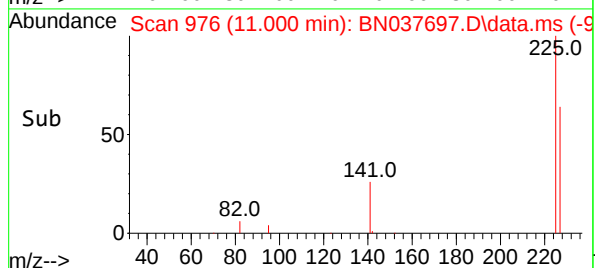
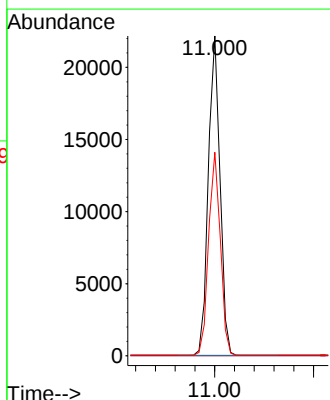
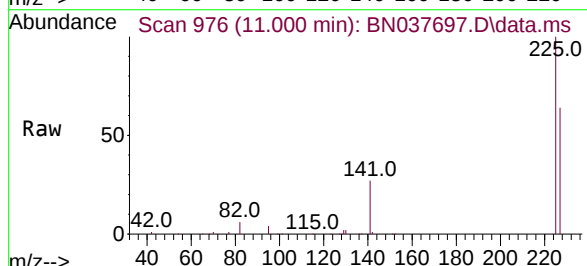
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

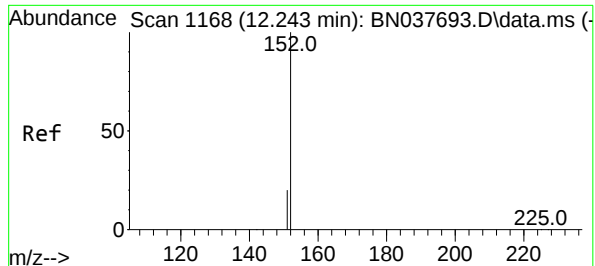
Tgt Ion:128 Resp: 206218  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.1 13.7  
127 13.3 10.9 16.3



#10  
Hexachlorobutadiene  
Concen: 5.099 ng  
RT: 11.000 min Scan# 976  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

Tgt Ion:225 Resp: 36218  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 63.8 50.9 76.3

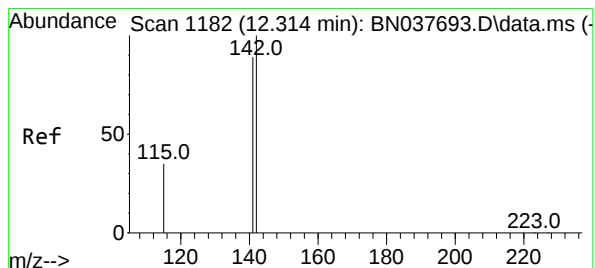
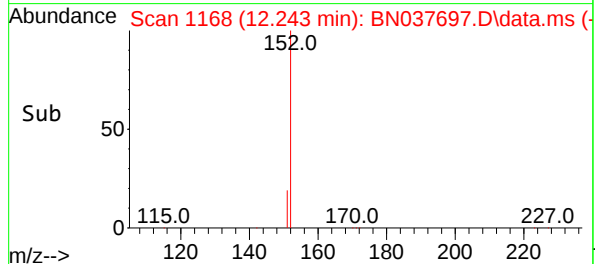
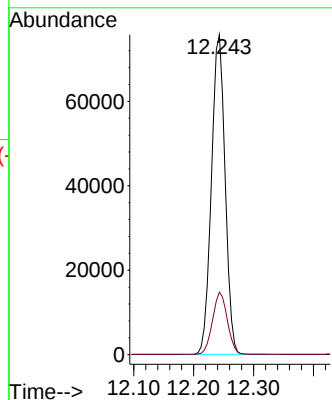
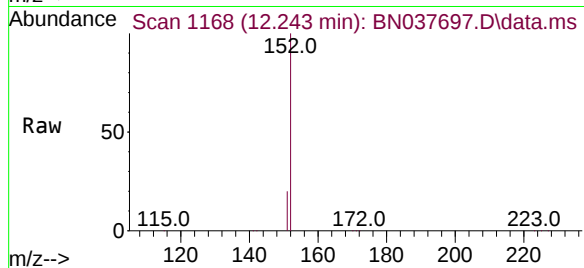




#11  
2-Methylnaphthalene-d10  
Concen: 6.306 ng  
RT: 12.243 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

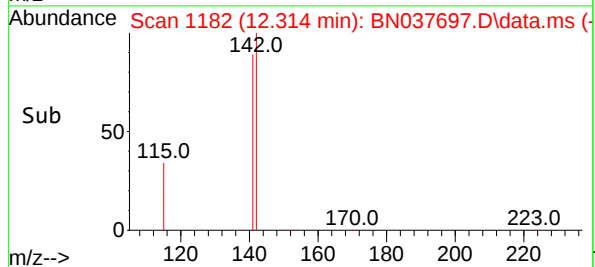
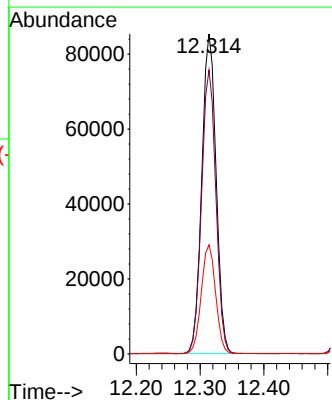
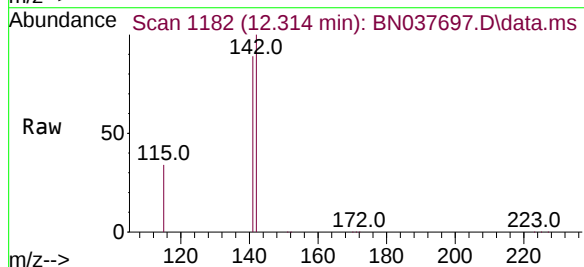
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

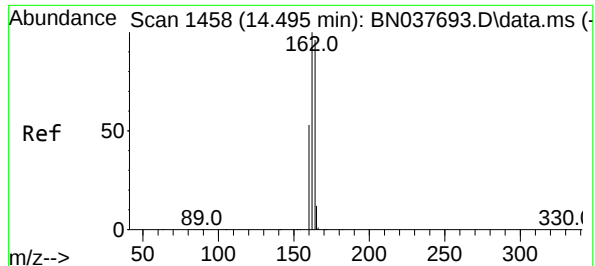
Tgt Ion:152 Resp: 119992  
Ion Ratio Lower Upper  
152 100  
151 21.0 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 5.469 ng  
RT: 12.314 min Scan# 1182  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

Tgt Ion:142 Resp: 132802  
Ion Ratio Lower Upper  
142 100  
141 88.7 71.6 107.4  
115 34.1 28.6 43.0

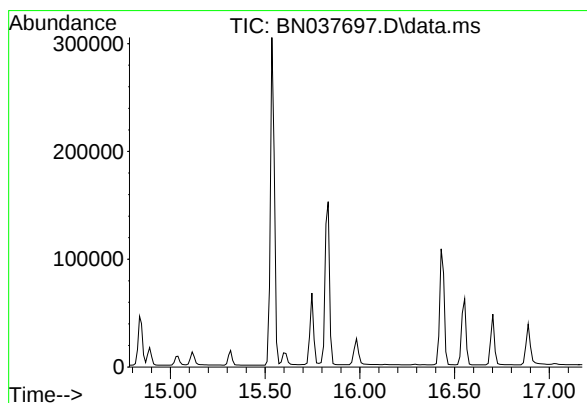
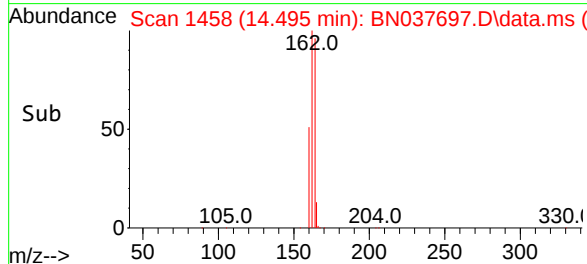
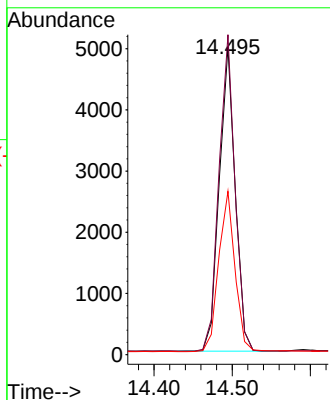
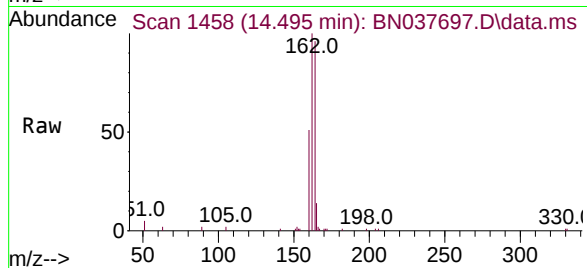




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.495 min Scan# 14  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

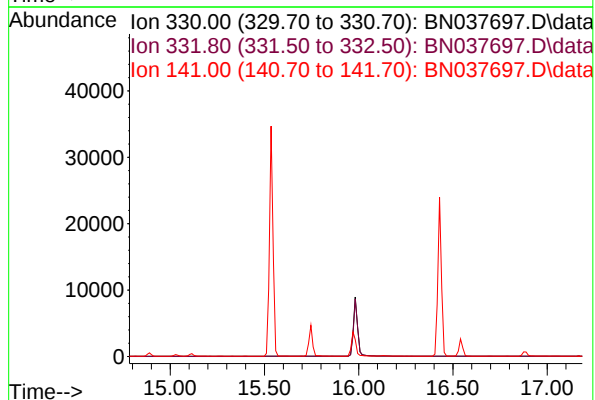
| Tgt Ion | 164   | Resp  | 7056  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 164     | 100   |       |       |
| 162     | 104.0 | 83.1  | 124.7 |
| 160     | 53.1  | 44.3  | 66.5  |

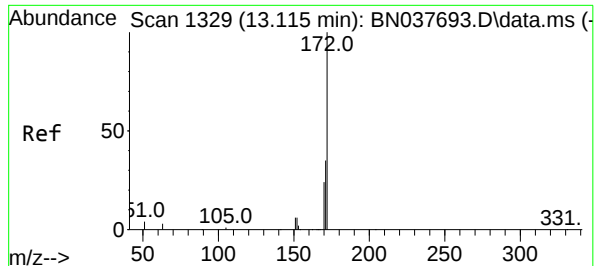


#14  
2,4,6-Tribromophenol  
Concen: 0.000 ng  
Expected RT: 15.98 min

Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

| Tgt Ion | 330       |
|---------|-----------|
| Sig     | Exp Ratio |
| 330     | 100       |
| 332     | 94.1      |
| 141     | 43.7      |

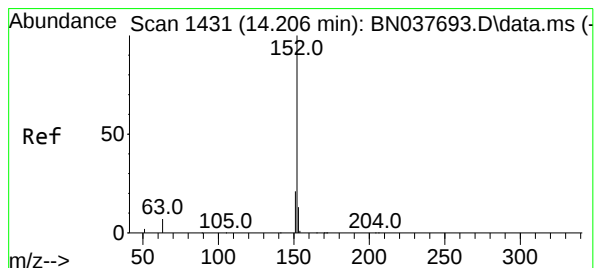
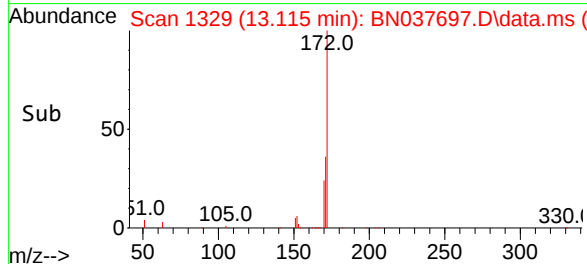
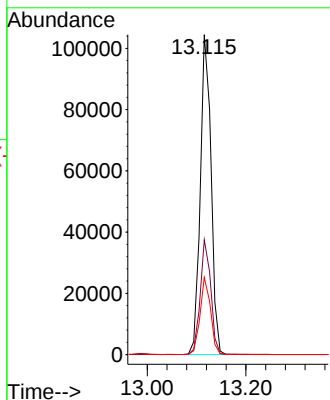
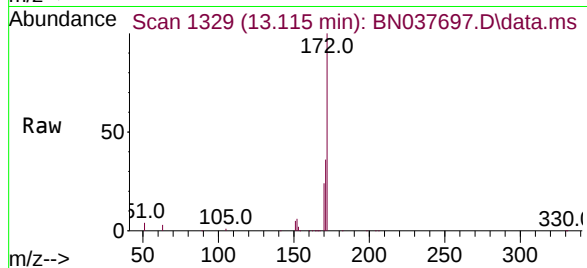




#15  
2-Fluorobiphenyl  
Concen: 5.334 ng  
RT: 13.115 min Scan# 1329  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

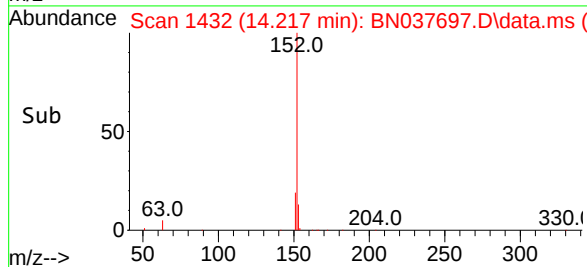
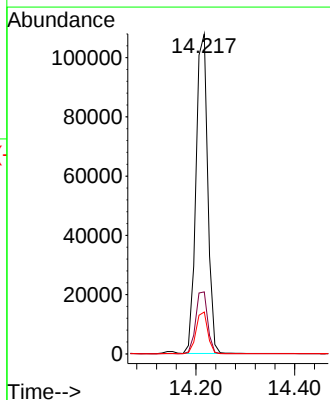
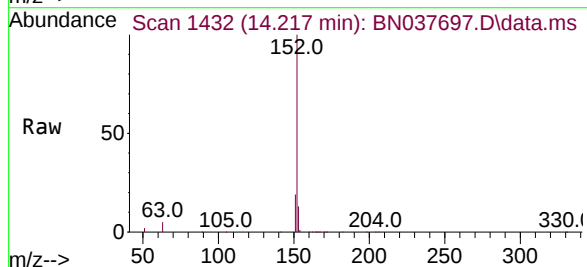
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

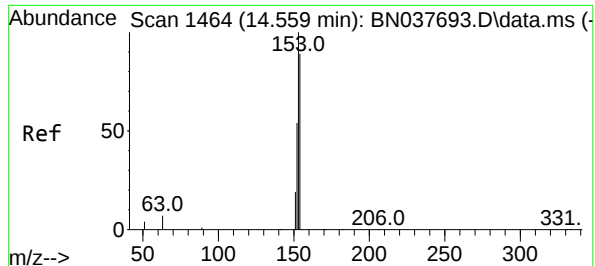
Tgt Ion:172 Resp: 157398  
Ion Ratio Lower Upper  
172 100  
171 35.9 28.6 43.0  
170 24.1 19.8 29.8



#16  
Acenaphthylene  
Concen: 5.505 ng  
RT: 14.217 min Scan# 1432  
Delta R.T. 0.011 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

Tgt Ion:152 Resp: 178140  
Ion Ratio Lower Upper  
152 100  
151 19.8 16.2 24.2  
153 13.0 10.4 15.6

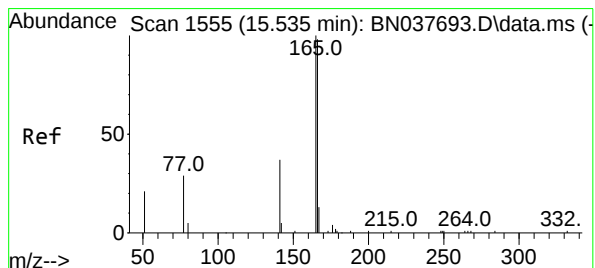
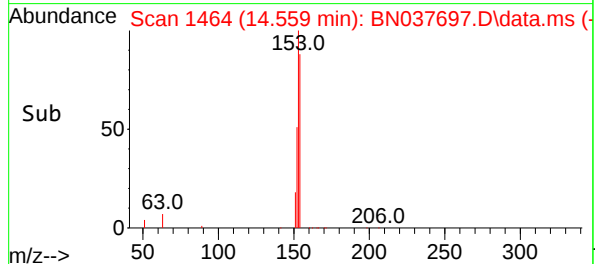
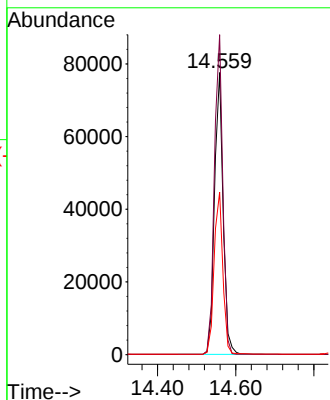
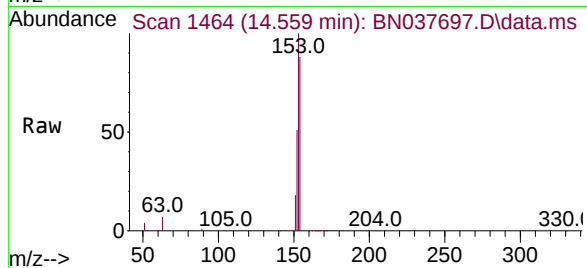




#17  
Acenaphthene  
Concen: 5.435 ng  
RT: 14.559 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

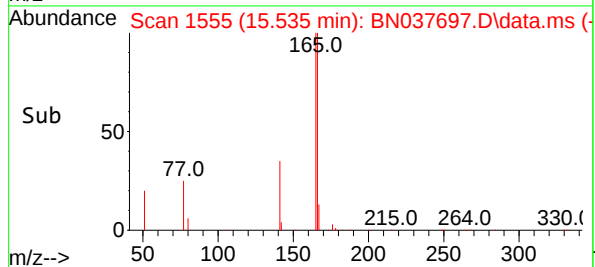
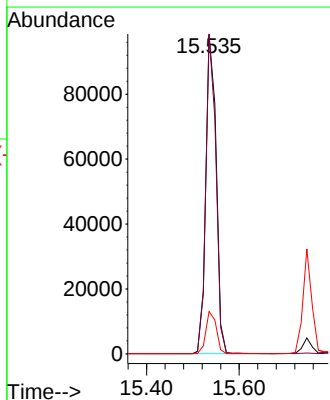
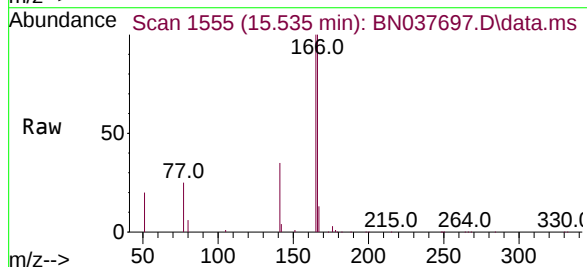
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

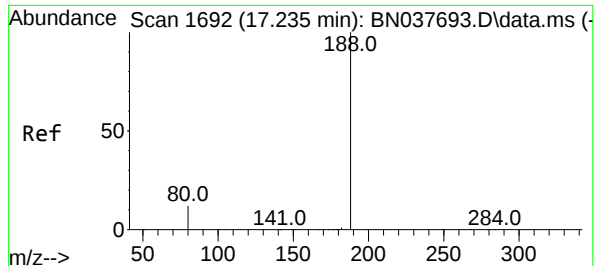
Tgt Ion:154 Resp: 118915  
Ion Ratio Lower Upper  
154 100  
153 111.1 89.8 134.8  
152 58.4 50.2 75.2



#18  
Fluorene  
Concen: 5.563 ng  
RT: 15.535 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

Tgt Ion:166 Resp: 147419  
Ion Ratio Lower Upper  
166 100  
165 97.9 79.6 119.4  
167 13.5 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.235 min Scan# 1692

Delta R.T. 0.000 min

Lab File: BN037697.D

Acq: 11 Sep 2025 13:33

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

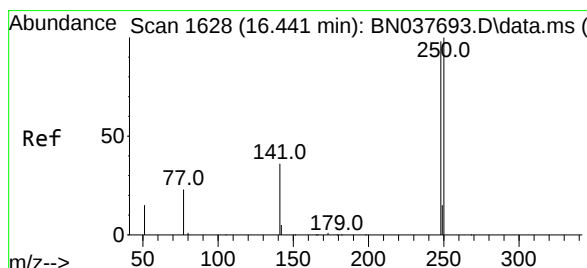
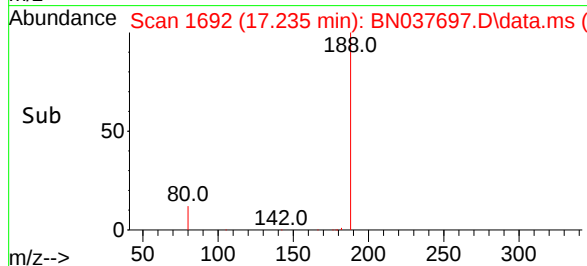
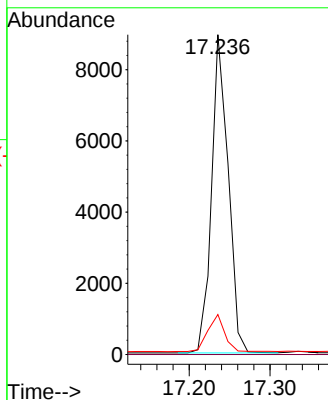
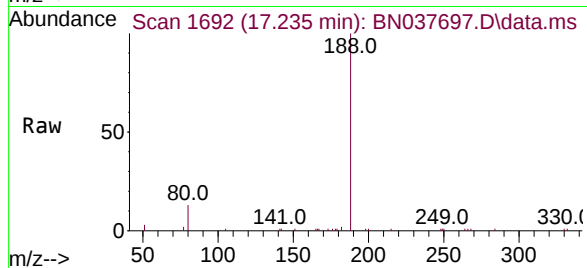
Tgt Ion:188 Resp: 12767

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 12.5 10.6 15.8



#21

4-Bromophenyl-phenylether

Concen: 5.448 ng

RT: 16.441 min Scan# 1628

Delta R.T. 0.000 min

Lab File: BN037697.D

Acq: 11 Sep 2025 13:33

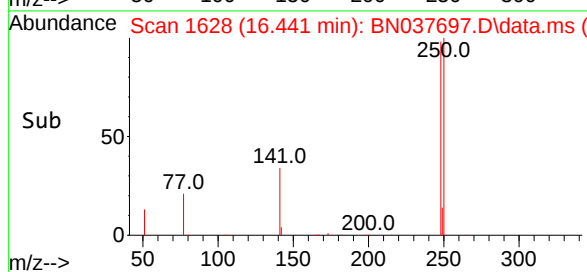
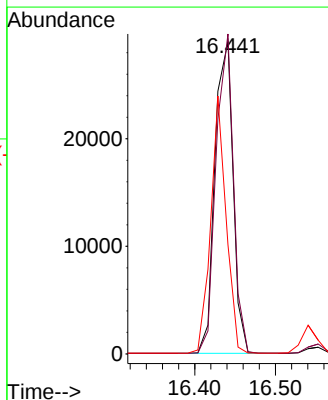
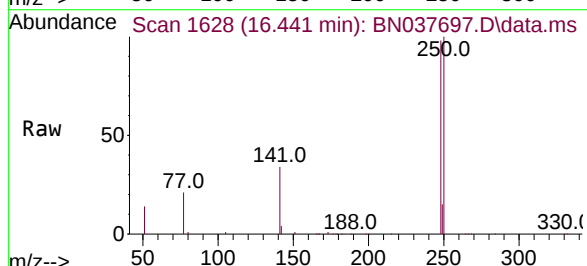
Tgt Ion:248 Resp: 45357

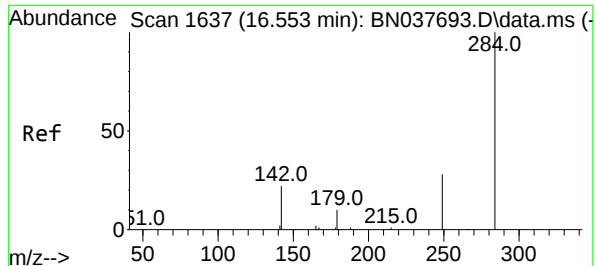
Ion Ratio Lower Upper

248 100

250 102.5 81.5 122.3

141 35.0 30.8 46.2





#22

Hexachlorobenzene

Concen: 5.160 ng

RT: 16.553 min Scan# 1637

Delta R.T. 0.000 min

Lab File: BN037697.D

Acq: 11 Sep 2025 13:33

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

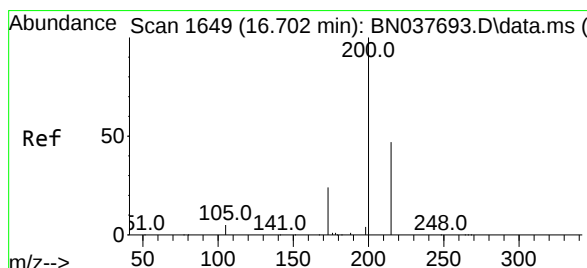
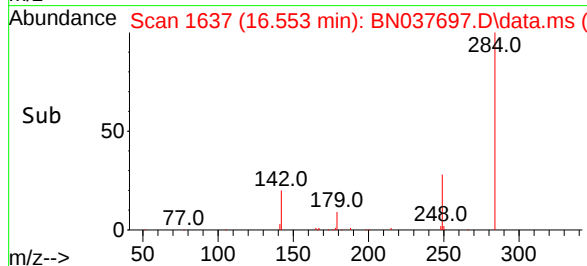
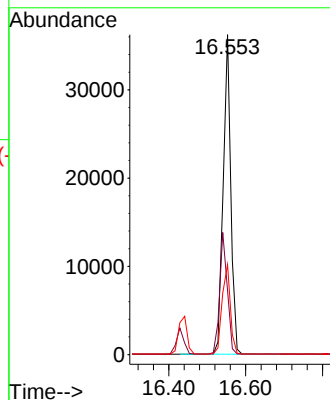
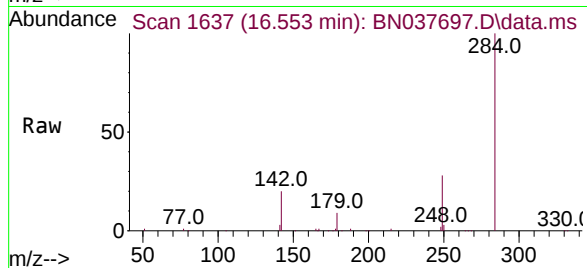
Tgt Ion:284 Resp: 49411

Ion Ratio Lower Upper

284 100

142 38.2 30.9 46.3

249 30.2 24.8 37.2



#23

Atrazine

Concen: 6.295 ng

RT: 16.702 min Scan# 1649

Delta R.T. 0.000 min

Lab File: BN037697.D

Acq: 11 Sep 2025 13:33

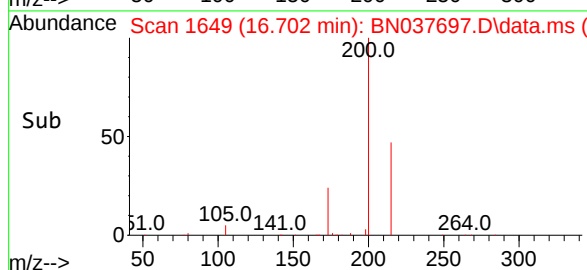
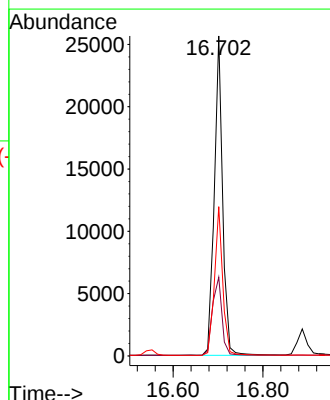
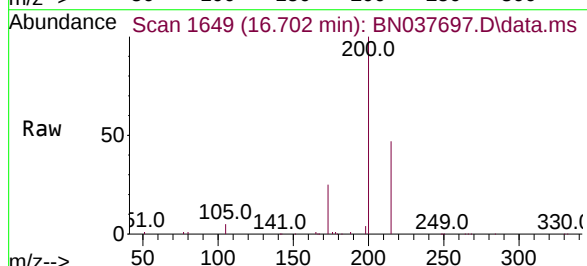
Tgt Ion:200 Resp: 33341

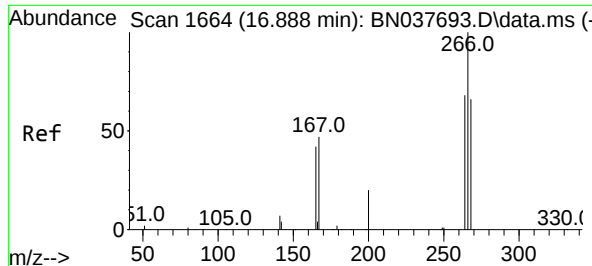
Ion Ratio Lower Upper

200 100

173 24.6 21.4 32.2

215 46.6 39.2 58.8

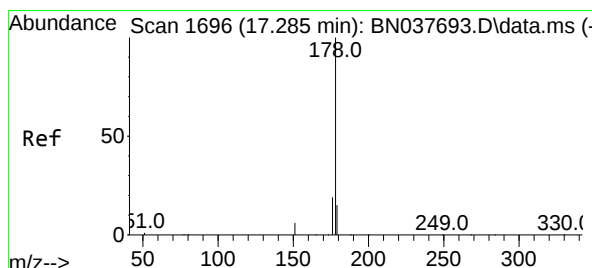
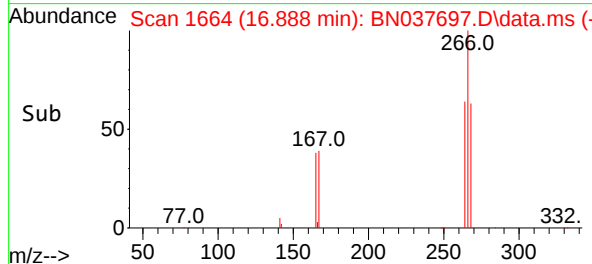
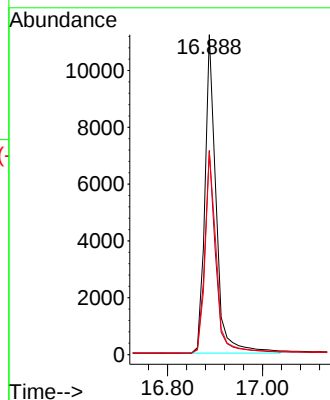
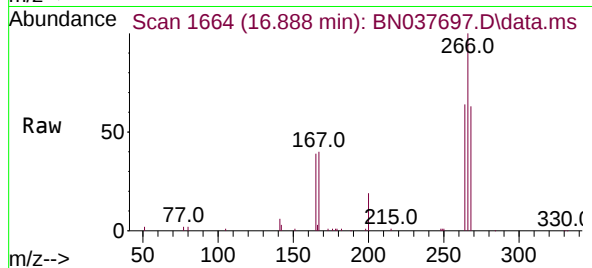




#24  
Pentachlorophenol  
Concen: 6.581 ng  
RT: 16.888 min Scan# 1664  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

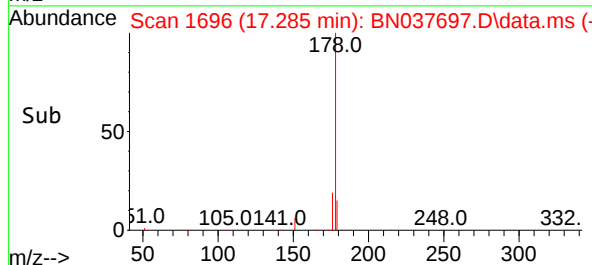
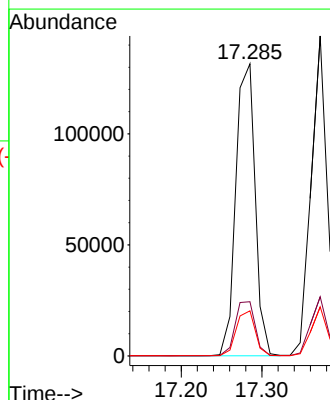
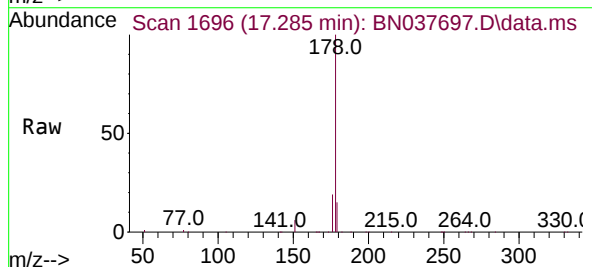
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

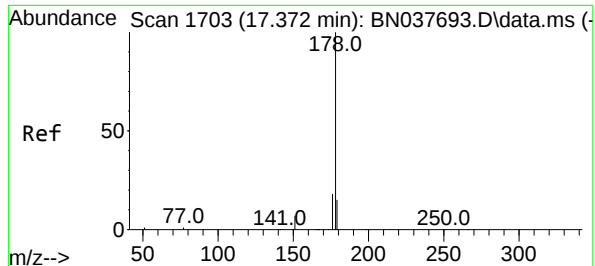
| Tgt Ion   | 266   | Resp  | 18297 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 264       | 62.8  | 51.6  | 77.4  |
| 268       | 63.6  | 53.2  | 79.8  |



#25  
Phenanthrene  
Concen: 5.441 ng  
RT: 17.285 min Scan# 1696  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

| Tgt Ion   | 178   | Resp  | 218722 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 19.2  | 15.3  | 22.9   |
| 179       | 15.1  | 12.2  | 18.2   |

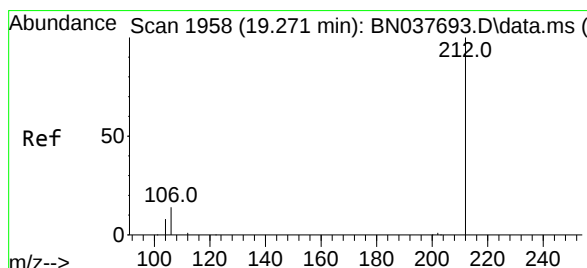
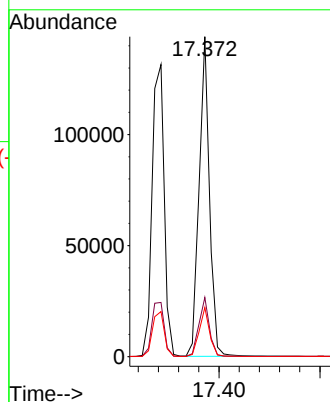
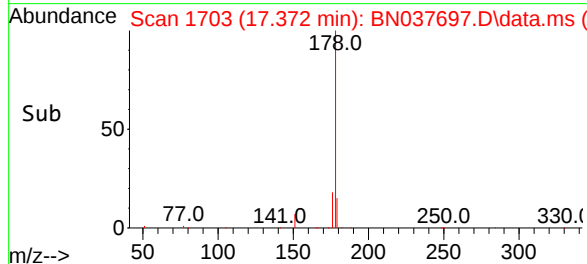
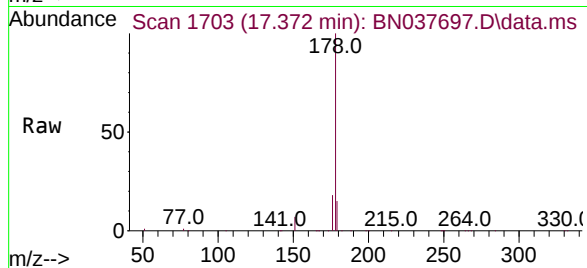




#26  
Anthracene  
Concen: 5.741 ng  
RT: 17.372 min Scan# 1703  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

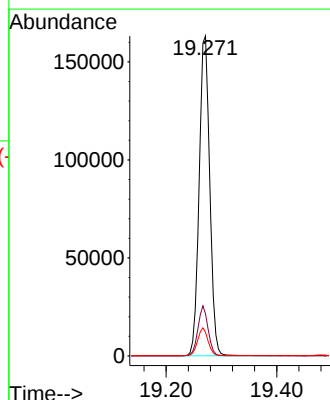
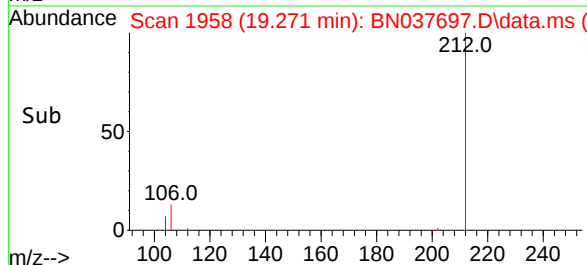
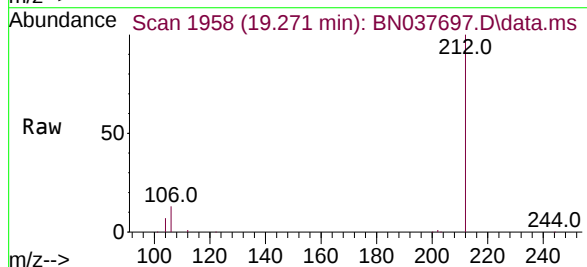
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

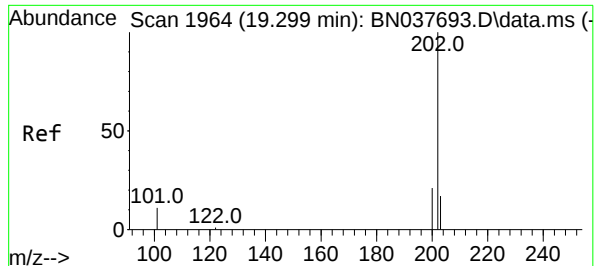
Tgt Ion:178 Resp: 204421  
Ion Ratio Lower Upper  
178 100  
176 18.6 14.6 22.0  
179 15.2 12.2 18.4



#27  
Fluoranthene-d10  
Concen: 6.721 ng  
RT: 19.271 min Scan# 1958  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

Tgt Ion:212 Resp: 215419  
Ion Ratio Lower Upper  
212 100  
106 14.9 12.2 18.2  
104 8.5 6.9 10.3

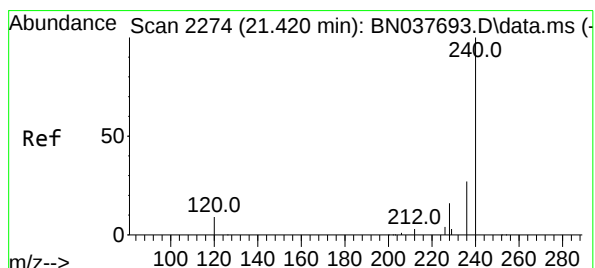
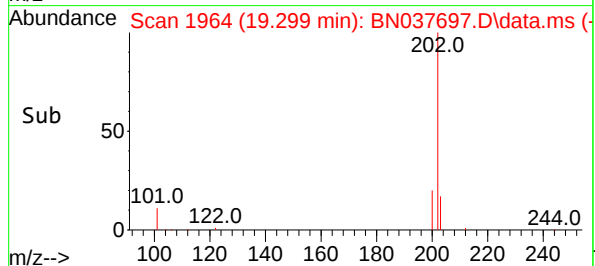
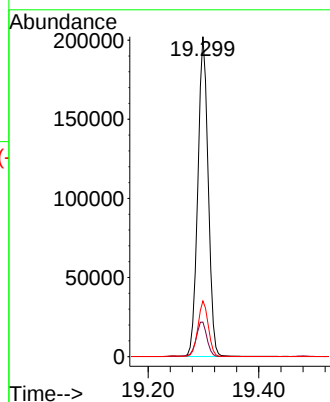
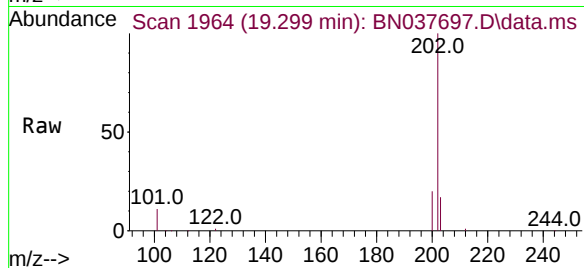




#28  
Fluoranthene  
Concen: 5.926 ng  
RT: 19.299 min Scan# 1964  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

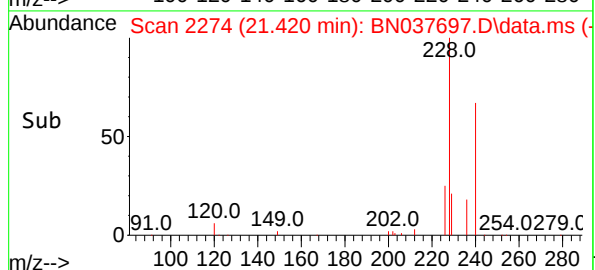
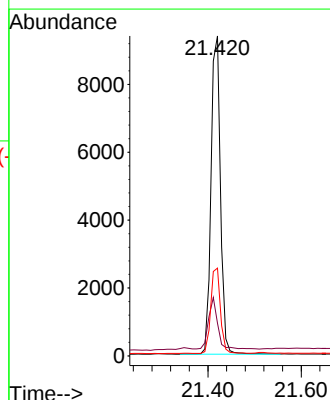
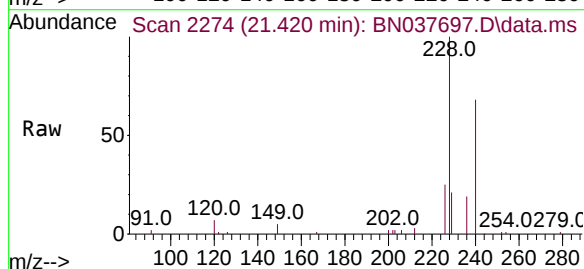
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

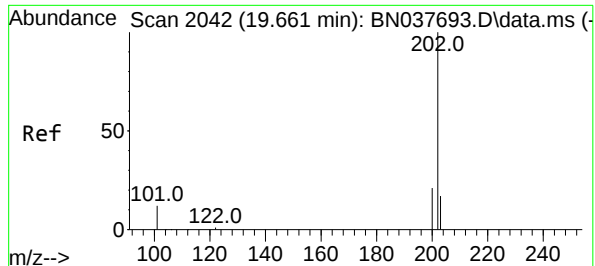
Tgt Ion:202 Resp: 261250  
Ion Ratio Lower Upper  
202 100  
101 11.4 9.3 13.9  
203 17.3 13.7 20.5



#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.420 min Scan# 2274  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

Tgt Ion:240 Resp: 13060  
Ion Ratio Lower Upper  
240 100  
120 10.2 9.2 13.8  
236 27.4 22.6 33.8

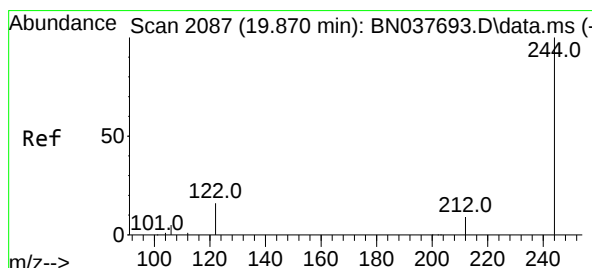
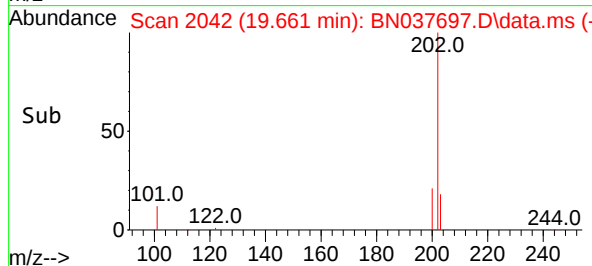
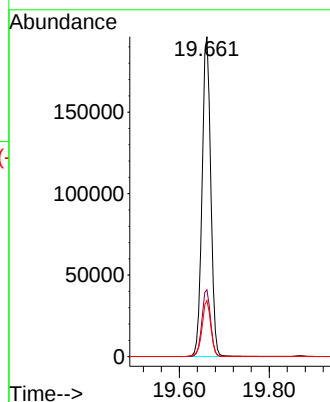
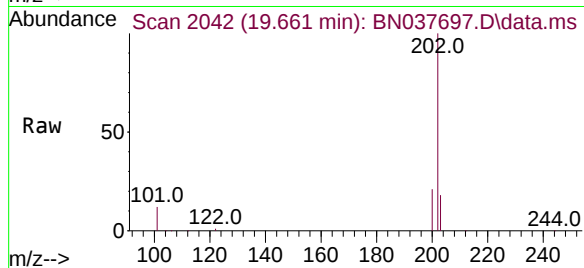




#30  
Pyrene  
Concen: 5.077 ng  
RT: 19.661 min Scan# 2042  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

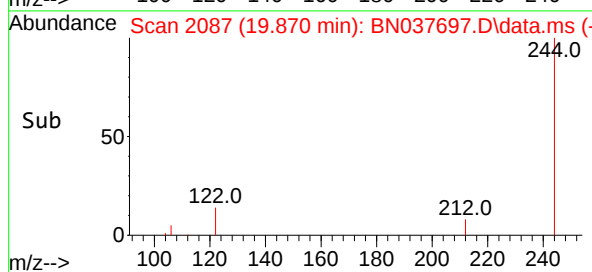
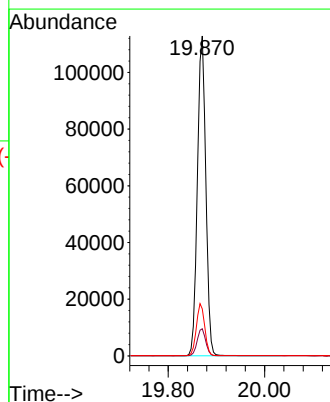
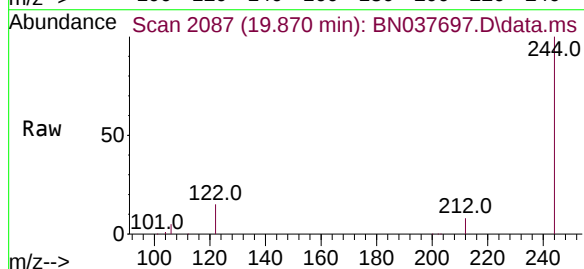
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

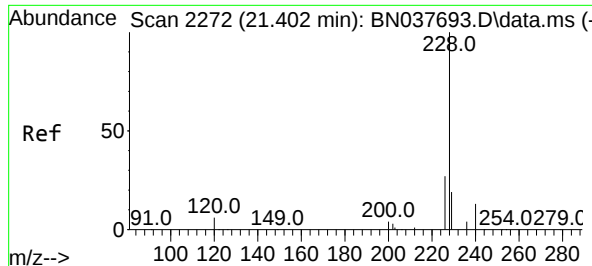
Tgt Ion:202 Resp: 259551  
Ion Ratio Lower Upper  
202 100  
200 21.0 16.8 25.2  
203 17.8 14.3 21.5



#31  
Terphenyl-d14  
Concen: 5.493 ng  
RT: 19.870 min Scan# 2087  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

Tgt Ion:244 Resp: 145595  
Ion Ratio Lower Upper  
244 100  
212 8.5 7.5 11.3  
122 14.7 13.2 19.8

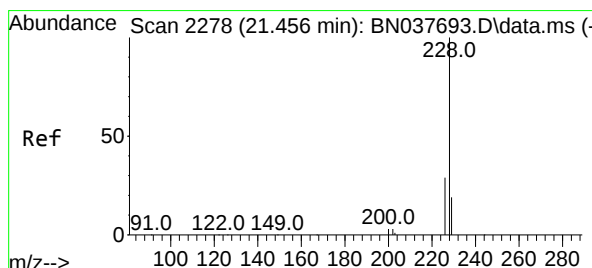
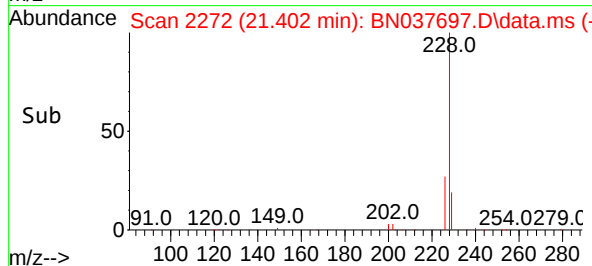
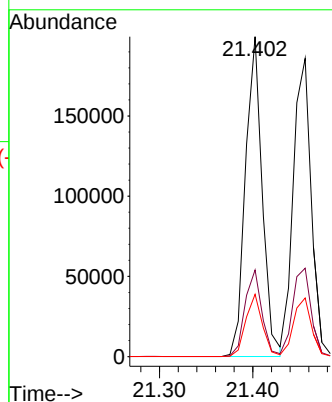
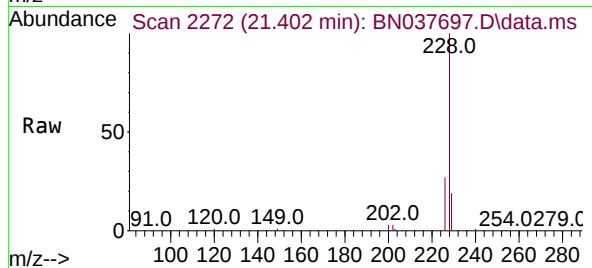




#32  
Benzo(a)anthracene  
Concen: 5.454 ng  
RT: 21.402 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

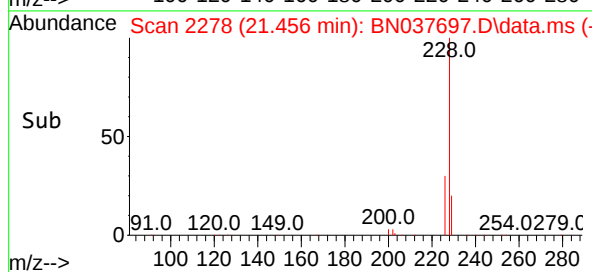
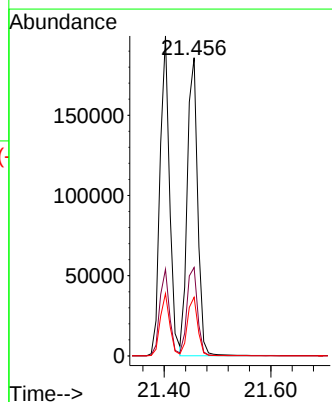
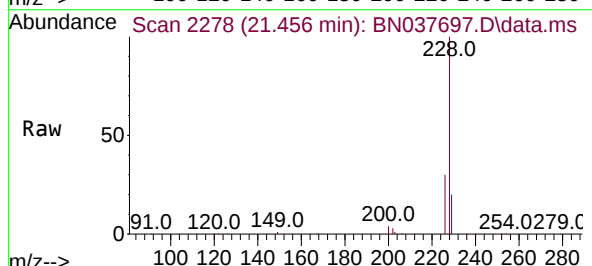
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

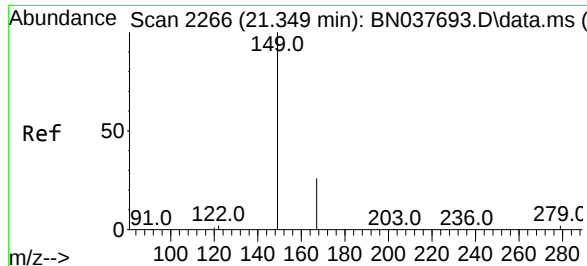
Tgt Ion:228 Resp: 248434  
Ion Ratio Lower Upper  
228 100  
226 27.1 22.2 33.2  
229 19.5 15.8 23.6



#33  
Chrysene  
Concen: 5.158 ng  
RT: 21.456 min Scan# 2278  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

Tgt Ion:228 Resp: 251956  
Ion Ratio Lower Upper  
228 100  
226 29.6 23.5 35.3  
229 19.7 15.9 23.9

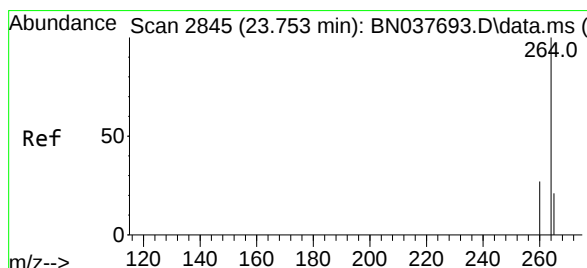
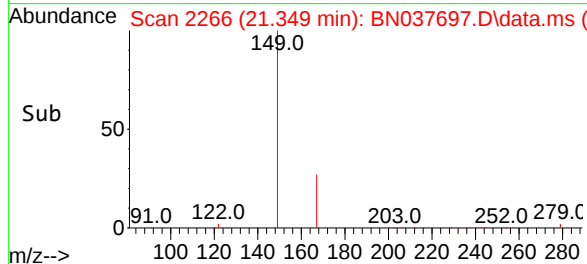
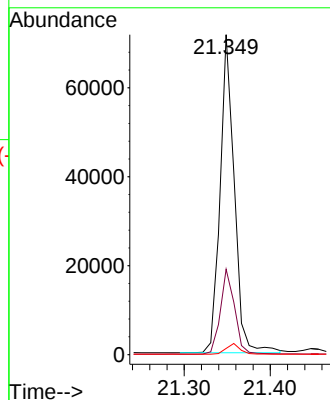
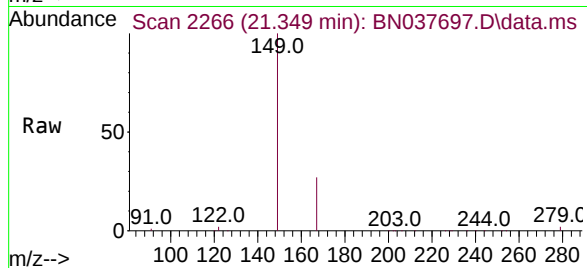




#34  
Bis(2-ethylhexyl)phthalate  
Concen: 6.091 ng  
RT: 21.349 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

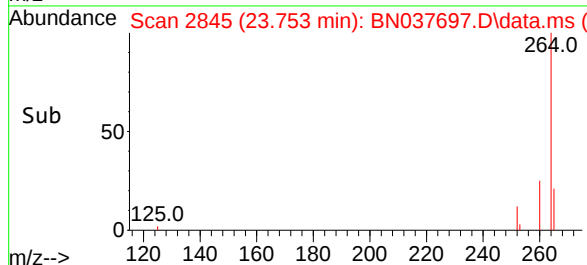
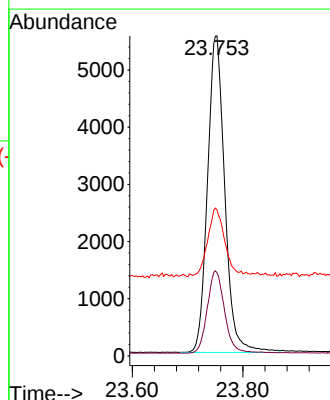
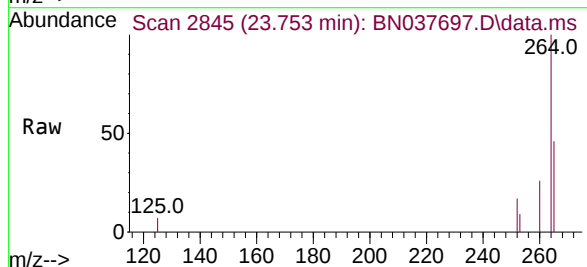
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDICC5.0

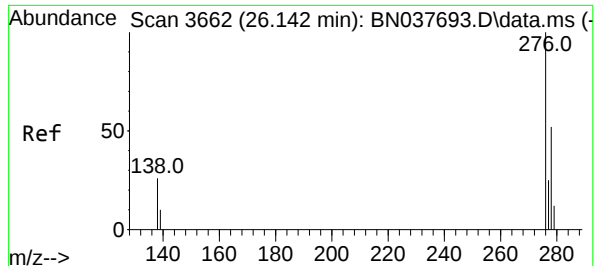
Tgt Ion:149 Resp: 82262  
Ion Ratio Lower Upper  
149 100  
167 26.7 20.8 31.2  
279 3.2 3.3 4.9#



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.753 min Scan# 2845  
Delta R.T. 0.000 min  
Lab File: BN037697.D  
Acq: 11 Sep 2025 13:33

Tgt Ion:264 Resp: 12009  
Ion Ratio Lower Upper  
264 100  
260 26.0 21.8 32.8  
265 45.6 39.4 59.2





#36

Indeno(1,2,3-cd)pyrene

Concen: 6.024 ng

RT: 26.145 min Scan# 30

Delta R.T. 0.003 min

Lab File: BN037697.D

Acq: 11 Sep 2025 13:33

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0

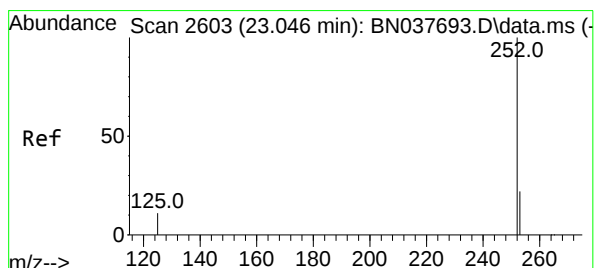
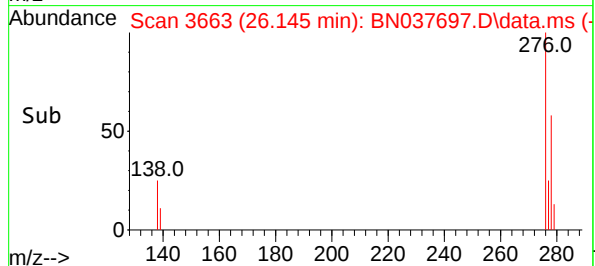
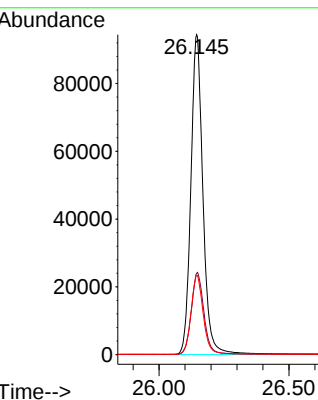
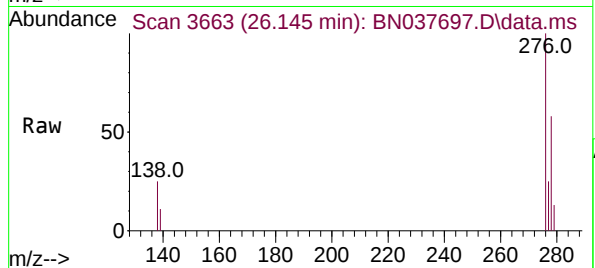
Tgt Ion:276 Resp: 303960

Ion Ratio Lower Upper

276 100

138 26.6 21.9 32.9

277 25.1 20.1 30.1



#37

Benzo(b)fluoranthene

Concen: 5.645 ng

RT: 23.049 min Scan# 2604

Delta R.T. 0.003 min

Lab File: BN037697.D

Acq: 11 Sep 2025 13:33

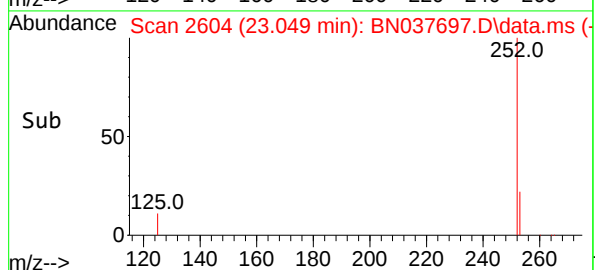
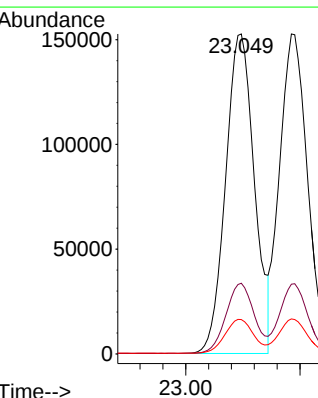
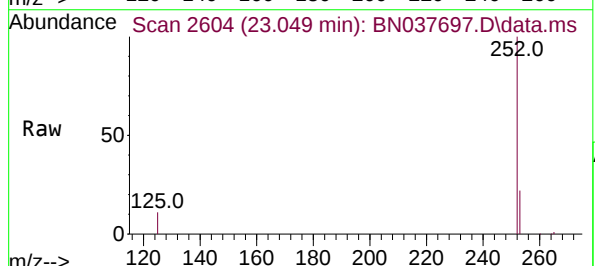
Tgt Ion:252 Resp: 266973

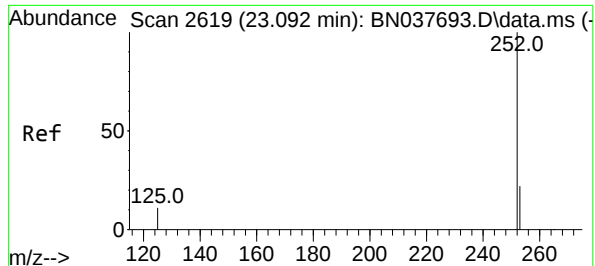
Ion Ratio Lower Upper

252 100

253 22.1 19.4 29.2

125 10.7 11.2 16.8#





#38

Benzo(k)fluoranthene

Concen: 5.466 ng

RT: 23.093 min Scan# 2619

Delta R.T. 0.000 min

Lab File: BN037697.D

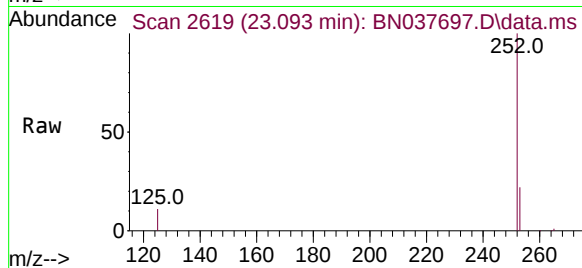
Acq: 11 Sep 2025 13:33

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0



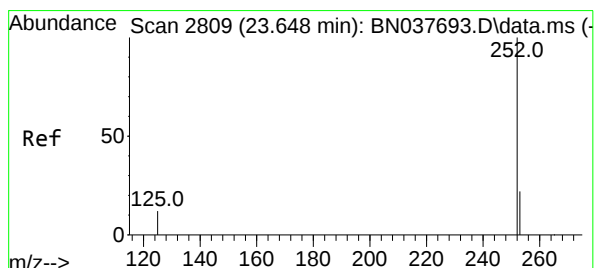
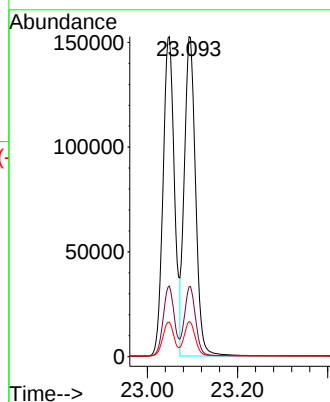
Tgt Ion:252 Resp: 263641

Ion Ratio Lower Upper

252 100

253 21.8 19.4 29.0

125 10.9 11.6 17.4#



#39

Benzo(a)pyrene

Concen: 5.816 ng

RT: 23.651 min Scan# 2810

Delta R.T. 0.003 min

Lab File: BN037697.D

Acq: 11 Sep 2025 13:33

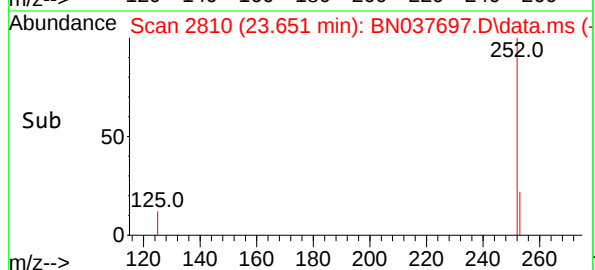
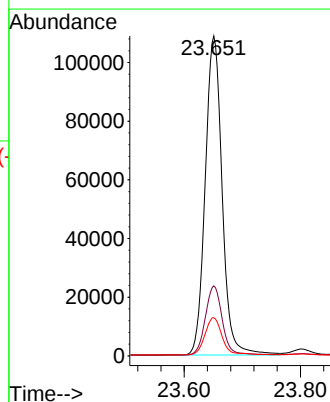
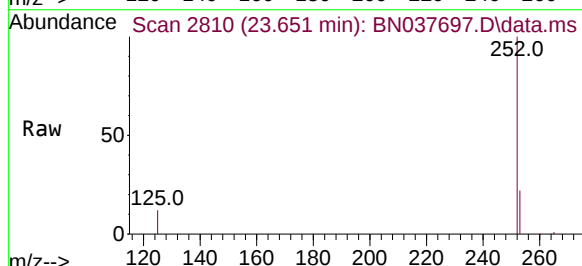
Tgt Ion:252 Resp: 220208

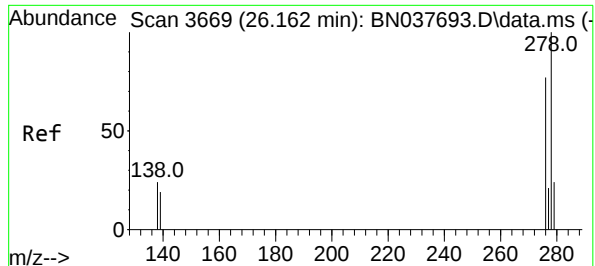
Ion Ratio Lower Upper

252 100

253 21.9 20.8 31.2

125 11.9 13.9 20.9#





#40

Dibenzo(a,h)anthracene

Concen: 6.096 ng

RT: 26.162 min Scan# 3669

Delta R.T. 0.000 min

Lab File: BN037697.D

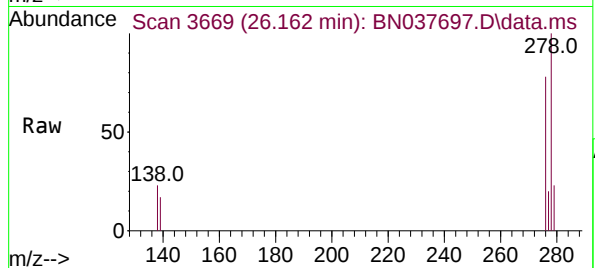
Acq: 11 Sep 2025 13:33

Instrument :

BNA\_N

ClientSampleId :

SSTDICC5.0



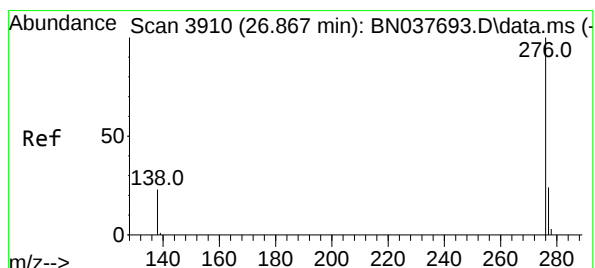
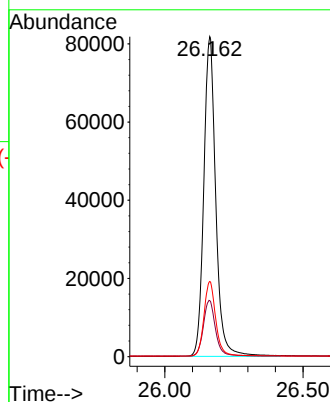
Tgt Ion:278 Resp: 245606

Ion Ratio Lower Upper

278 100

139 17.5 17.8 26.6#

279 23.5 22.0 33.0



#41

Benzo(g,h,i)perylene

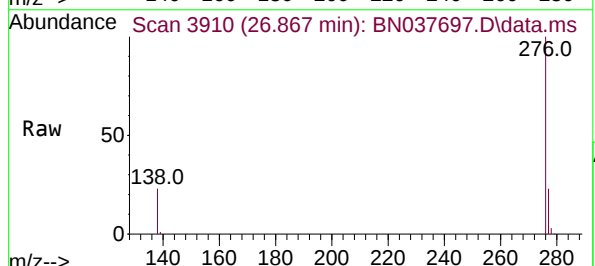
Concen: 5.720 ng

RT: 26.867 min Scan# 3910

Delta R.T. 0.000 min

Lab File: BN037697.D

Acq: 11 Sep 2025 13:33



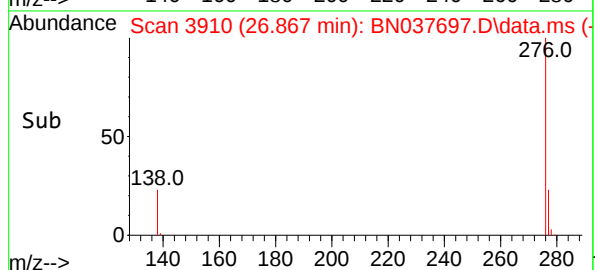
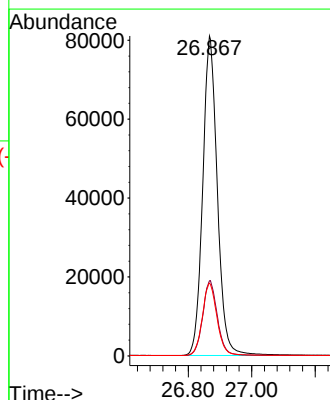
Tgt Ion:276 Resp: 258594

Ion Ratio Lower Upper

276 100

277 23.5 20.6 31.0

138 22.7 20.2 30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
 Data File : BN037698.D  
 Acq On : 11 Sep 2025 14:09  
 Operator : RC/JU  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 ICVBN091125

Quant Time: Sep 11 16:00:40 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:20:01 2025  
 Response via : Initial Calibration

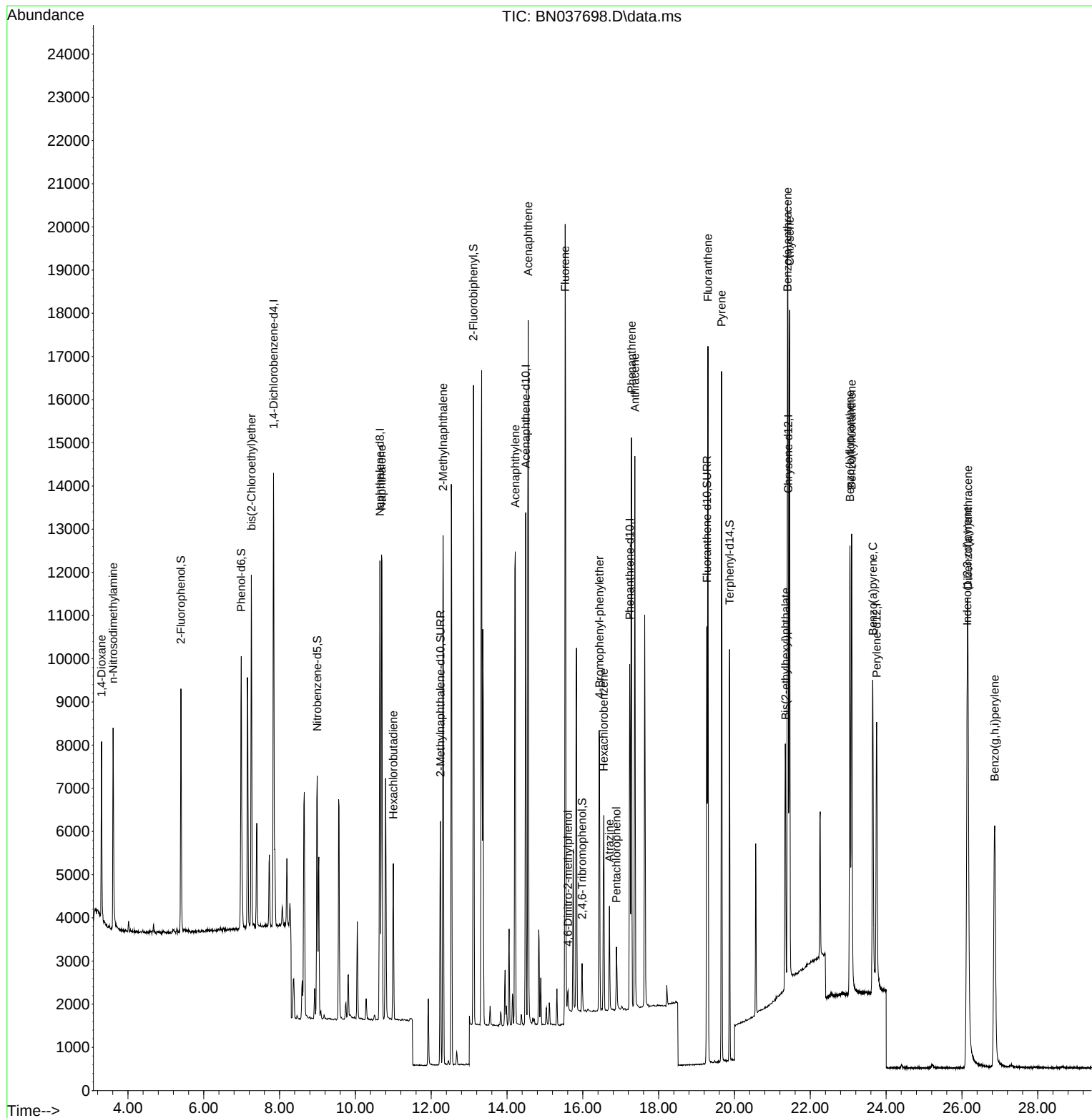
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.840  | 152  | 5029     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.647 | 136  | 13552    | 0.400 | ng    | 0.00     |
| 13) Acenaphthene-d10          | 14.494 | 164  | 6371     | 0.400 | ng    | 0.00     |
| 19) Phenanthrene-d10          | 17.235 | 188  | 11165    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12              | 21.420 | 240  | 8931     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.750 | 264  | 8751     | 0.400 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.399  | 112  | 4545     | 0.394 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.987  | 99   | 5691     | 0.380 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.992  | 82   | 4501     | 0.454 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10   | 12.242 | 152  | 7632     | 0.425 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol      | 15.982 | 330  | 629      | 0.379 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.115 | 172  | 12687    | 0.476 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.271 | 212  | 11138    | 0.397 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.870 | 244  | 8765     | 0.484 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.304  | 88   | 2457     | 0.469 | ng    | 98       |
| 3) n-Nitrosodimethylamine     | 3.607  | 42   | 2924     | 0.427 | ng    | # 94     |
| 6) bis(2-Chloroethyl)ether    | 7.255  | 93   | 5769     | 0.431 | ng    | 99       |
| 9) Naphthalene                | 10.690 | 128  | 15153    | 0.409 | ng    | 100      |
| 10) Hexachlorobutadiene       | 11.000 | 225  | 2814     | 0.420 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.313 | 142  | 8593     | 0.375 | ng    | 100      |
| 16) Acenaphthylene            | 14.216 | 152  | 12785    | 0.438 | ng    | 100      |
| 17) Acenaphthene              | 14.558 | 154  | 7838     | 0.397 | ng    | 99       |
| 18) Fluorene                  | 15.535 | 166  | 9460     | 0.395 | ng    | 98       |
| 20) 4,6-Dinitro-2-methylph... | 15.609 | 198  | 392      | 0.379 | ng    | 99       |
| 21) 4-Bromophenyl-phenylether | 16.441 | 248  | 2975     | 0.409 | ng    | 97       |
| 22) Hexachlorobenzene         | 16.552 | 284  | 3569     | 0.426 | ng    | 99       |
| 23) Atrazine                  | 16.701 | 200  | 1828     | 0.395 | ng    | 99       |
| 24) Pentachlorophenol         | 16.888 | 266  | 785      | 0.323 | ng    | 97       |
| 25) Phenanthrene              | 17.285 | 178  | 14262    | 0.406 | ng    | 99       |
| 26) Anthracene                | 17.372 | 178  | 12642    | 0.406 | ng    | 99       |
| 28) Fluoranthene              | 19.299 | 202  | 14471    | 0.375 | ng    | 100      |
| 30) Pyrene                    | 19.661 | 202  | 14323    | 0.410 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.402 | 228  | 12803    | 0.411 | ng    | 99       |
| 33) Chrysene                  | 21.456 | 228  | 13963    | 0.418 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.348 | 149  | 3245     | 0.351 | ng    | # 98     |
| 36) Indeno(1,2,3-cd)pyrene    | 26.139 | 276  | 15430    | 0.420 | ng    | 100      |
| 37) Benzo(b)fluoranthene      | 23.045 | 252  | 13718    | 0.398 | ng    | 100      |
| 38) Benzo(k)fluoranthene      | 23.092 | 252  | 14465    | 0.412 | ng    | 98       |
| 39) Benzo(a)pyrene            | 23.648 | 252  | 11950    | 0.433 | ng    | 100      |
| 40) Dibenzo(a,h)anthracene    | 26.159 | 278  | 12290    | 0.419 | ng    | 99       |
| 41) Benzo(g,h,i)perylene      | 26.864 | 276  | 13095    | 0.398 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

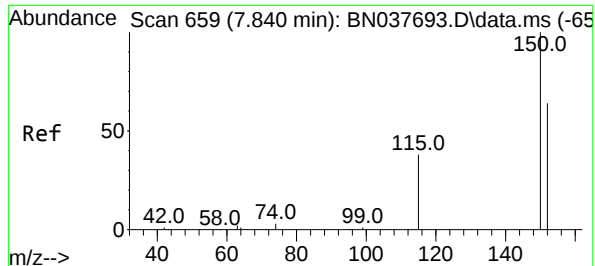
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
Data File : BN037698.D  
Acq On : 11 Sep 2025 14:09  
Operator : RC/JU  
Sample : SSTDICV0.4  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN091125

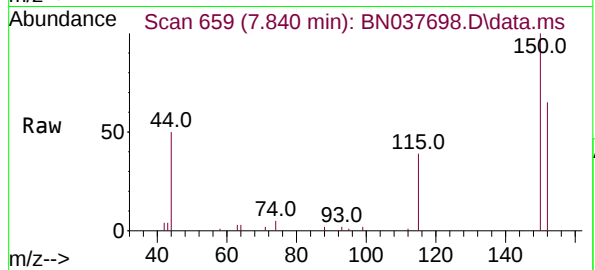
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 11 14:20:01 2025  
Response via : Initial Calibration



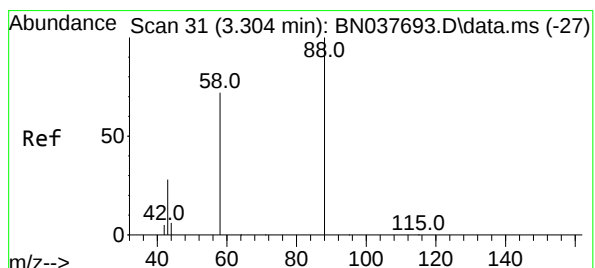
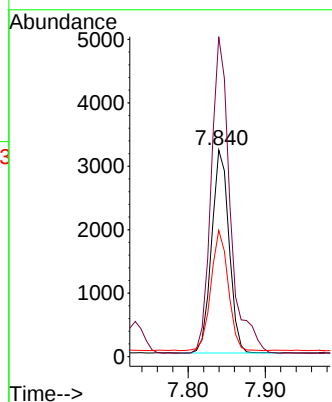
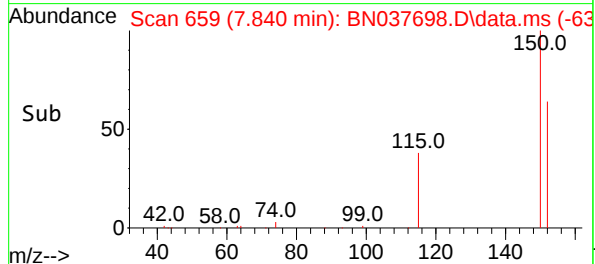


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.840 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN091125

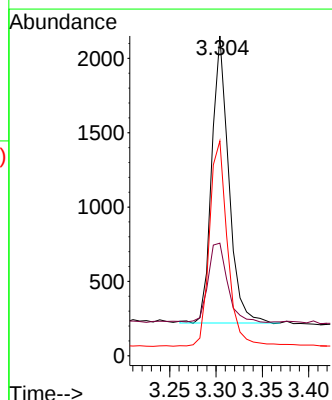
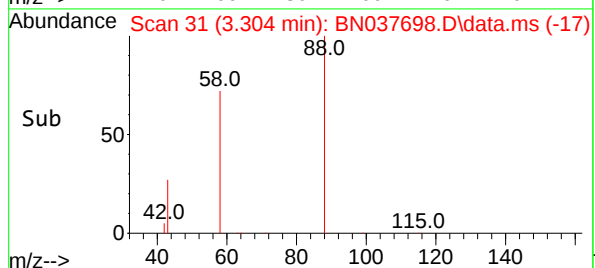
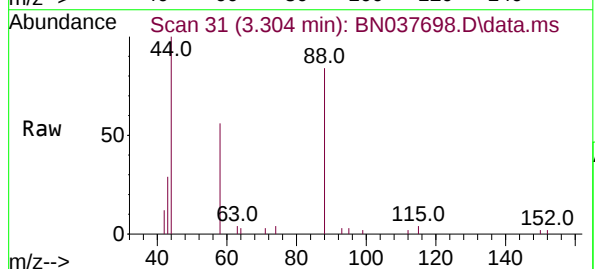


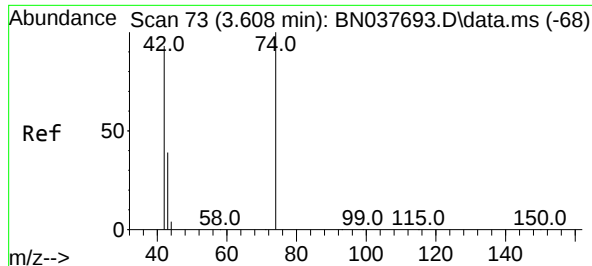
Tgt Ion:152 Resp: 5029  
Ion Ratio Lower Upper  
152 100  
150 154.8 124.5 186.7  
115 61.0 49.2 73.8



#2  
1,4-Dioxane  
Concen: 0.469 ng  
RT: 3.304 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

Tgt Ion: 88 Resp: 2457  
Ion Ratio Lower Upper  
88 100  
43 31.5 26.8 40.2  
58 76.6 61.9 92.9

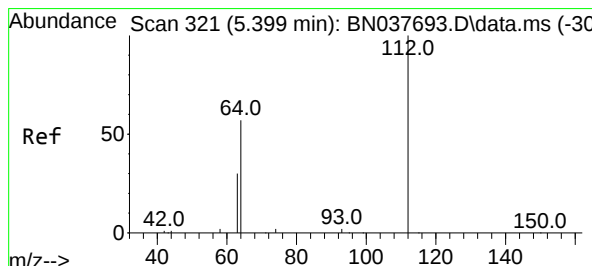
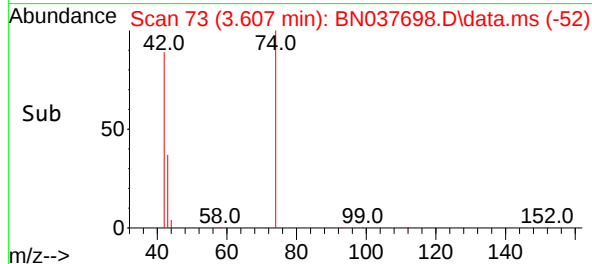
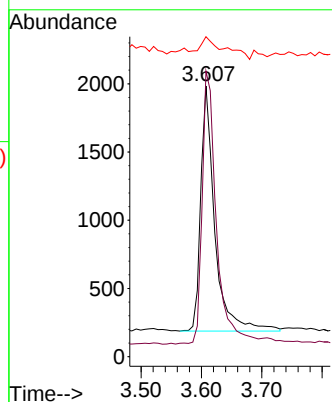
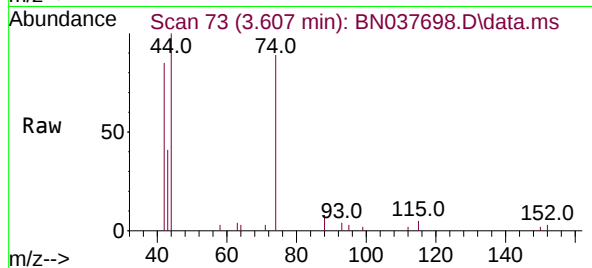




#3  
n-Nitrosodimethylamine  
Concen: 0.427 ng  
RT: 3.607 min Scan# 73  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

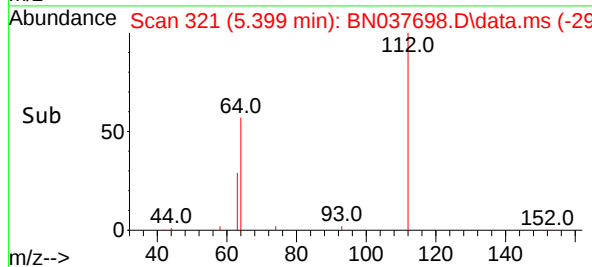
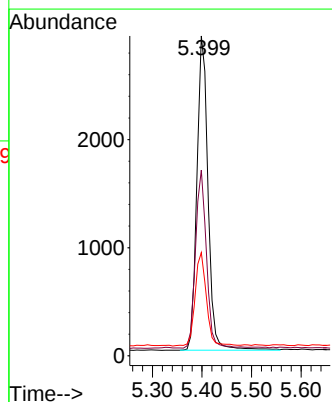
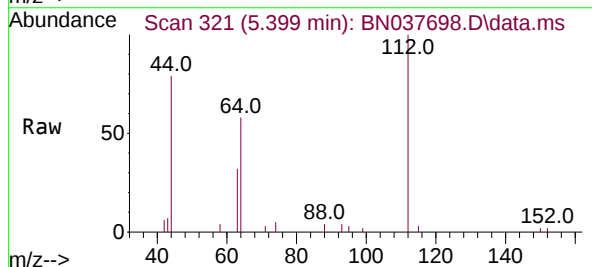
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN091125

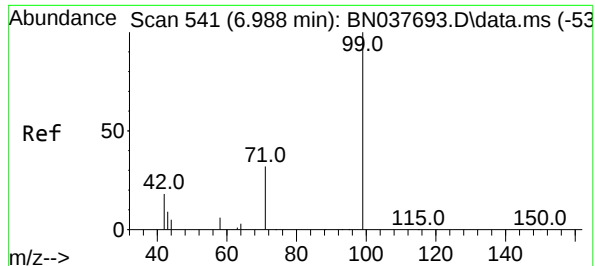
Tgt Ion: 42 Resp: 2924  
Ion Ratio Lower Upper  
42 100  
74 112.9 86.0 129.0  
44 15.6 8.4 12.6#



#4  
2-Fluorophenol  
Concen: 0.394 ng  
RT: 5.399 min Scan# 321  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

Tgt Ion: 112 Resp: 4545  
Ion Ratio Lower Upper  
112 100  
64 55.4 44.9 67.3  
63 30.2 24.7 37.1

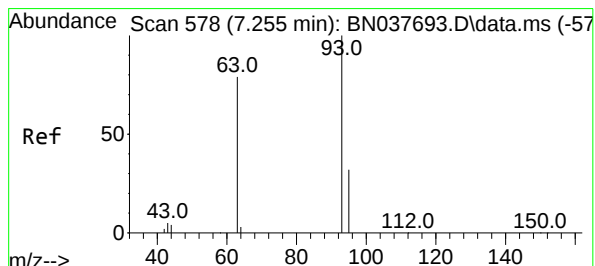
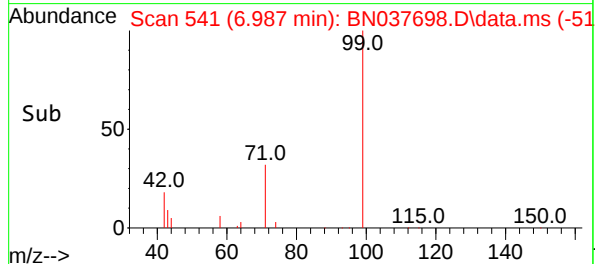
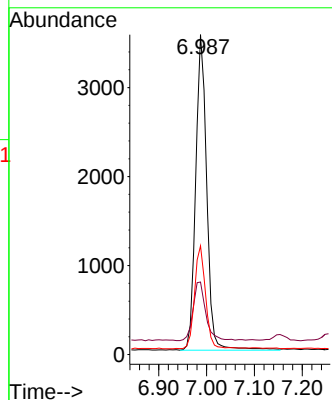
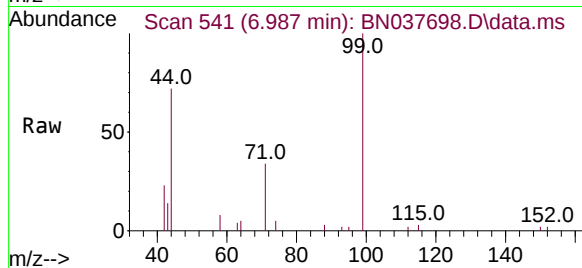




#5  
Phenol-d6  
Concen: 0.380 ng  
RT: 6.987 min Scan# 541  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

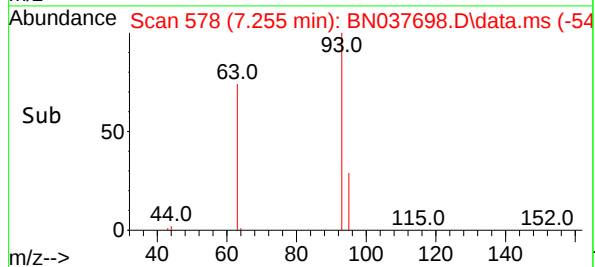
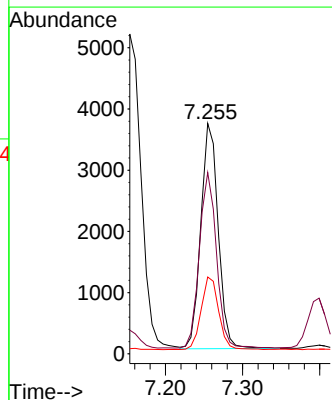
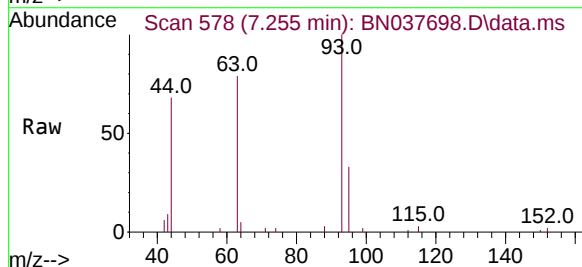
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN091125

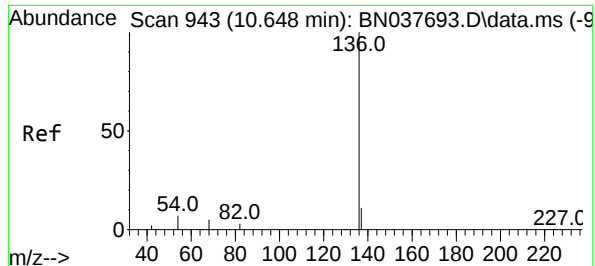
Tgt Ion: 99 Resp: 5691  
Ion Ratio Lower Upper  
99 100  
42 21.3 16.6 24.8  
71 32.6 26.7 40.1



#6  
bis(2-Chloroethyl)ether  
Concen: 0.431 ng  
RT: 7.255 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

Tgt Ion: 93 Resp: 5769  
Ion Ratio Lower Upper  
93 100  
63 76.7 60.6 90.8  
95 32.7 26.0 39.0

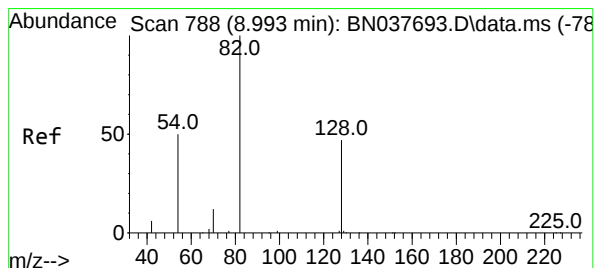
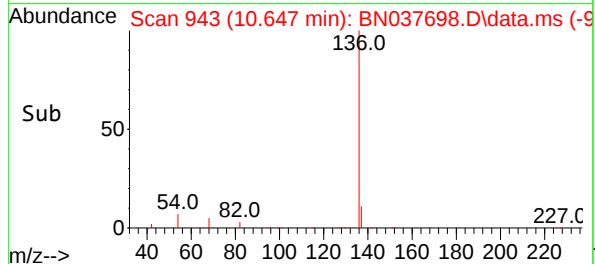
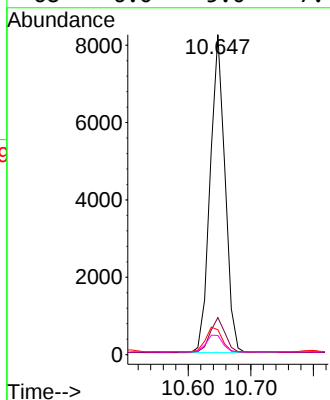
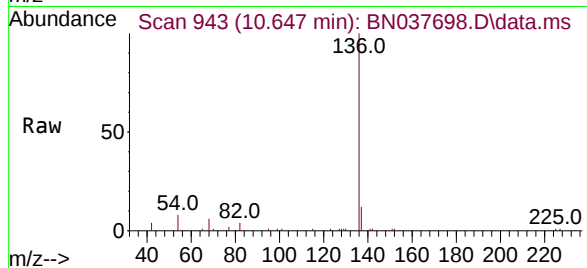




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.647 min Scan# 94  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

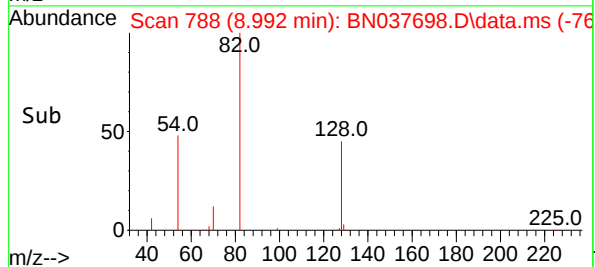
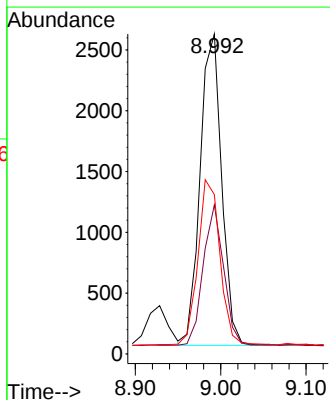
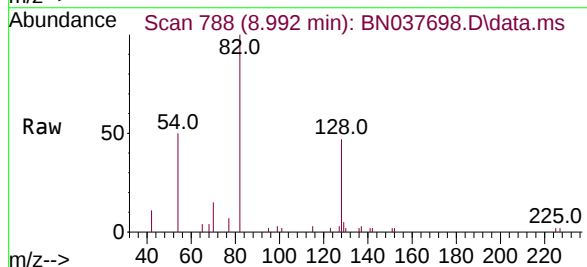
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN091125

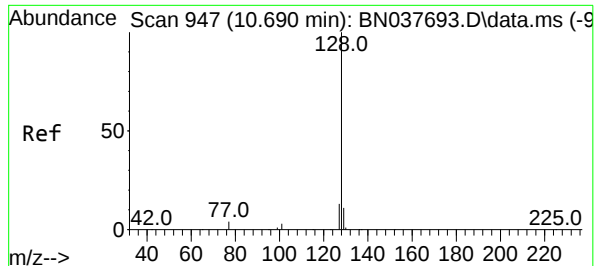
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:136 | Resp: | 13552    |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 11.6  | 9.1 13.7 |
| 54          | 7.8   | 6.3 9.5  |
| 68          | 6.0   | 5.0 7.4  |



#8  
Nitrobenzene-d5  
Concen: 0.454 ng  
RT: 8.992 min Scan# 788  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 4501      |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 46.6  | 38.3 57.5 |
| 54          | 49.8  | 41.4 62.2 |

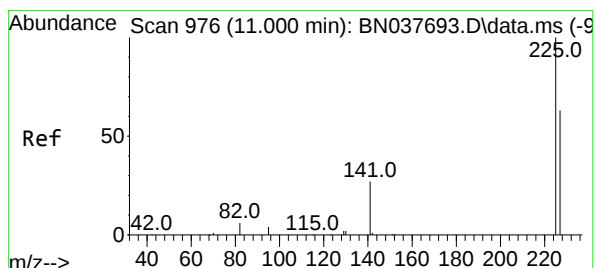
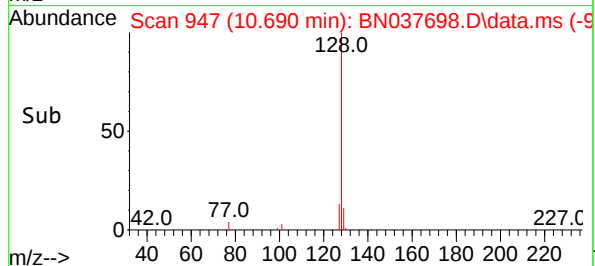
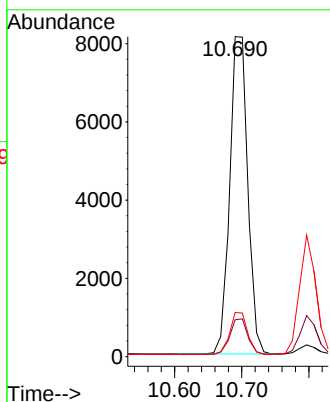
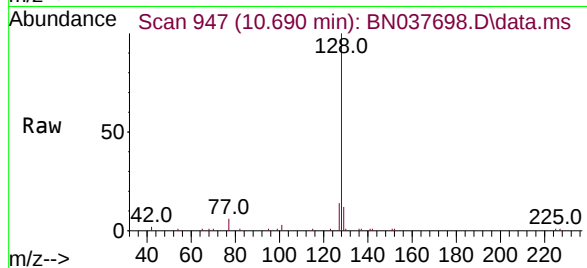




#9  
Naphthalene  
Concen: 0.409 ng  
RT: 10.690 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

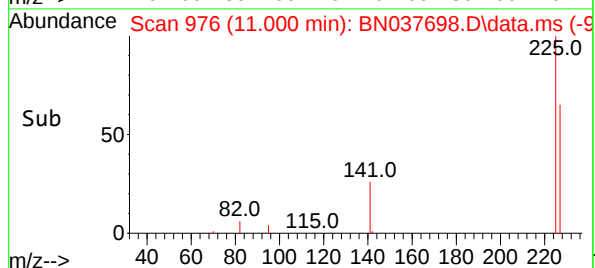
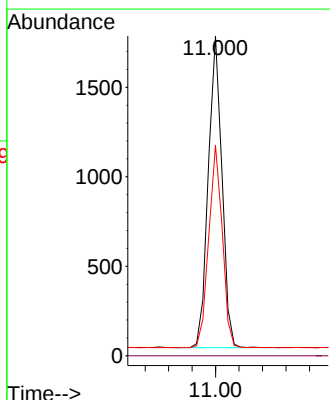
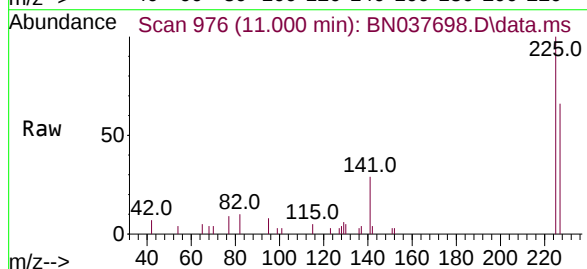
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN091125

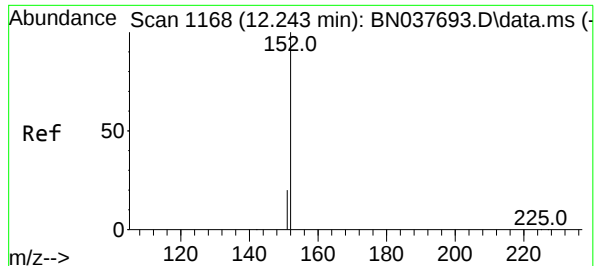
| Tgt Ion   | 128   | 129  | 127  |
|-----------|-------|------|------|
| Resp:     | 15153 |      |      |
| Ion Ratio | 100   | 11.5 | 13.8 |
| Lower     |       | 9.1  | 10.9 |
| Upper     |       | 13.7 | 16.3 |



#10  
Hexachlorobutadiene  
Concen: 0.420 ng  
RT: 11.000 min Scan# 976  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

| Tgt Ion   | 225  | 223 | 227  |
|-----------|------|-----|------|
| Resp:     | 2814 |     |      |
| Ion Ratio | 100  | 0.0 | 64.2 |
| Lower     |      | 0.0 | 50.9 |
| Upper     |      | 0.0 | 76.3 |

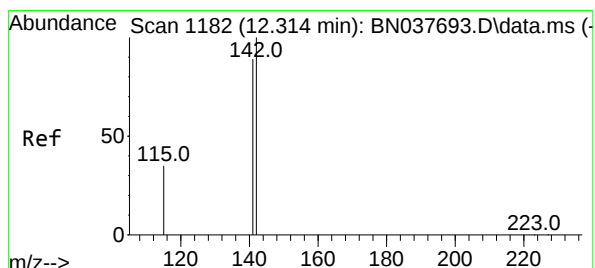
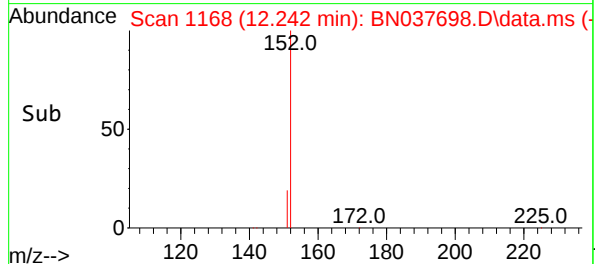
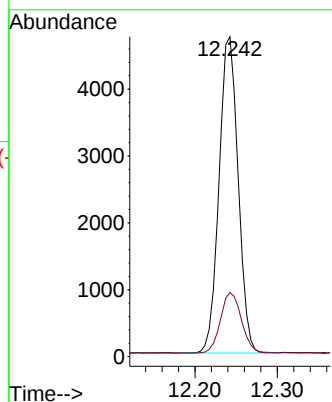
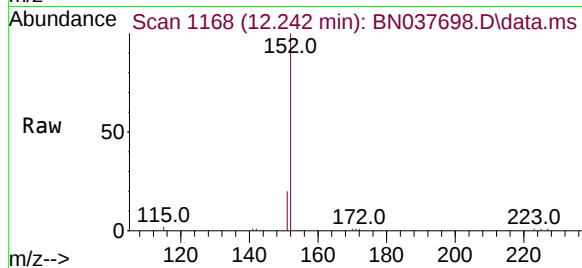




#11  
2-Methylnaphthalene-d10  
Concen: 0.425 ng  
RT: 12.242 min Scan# 1168  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

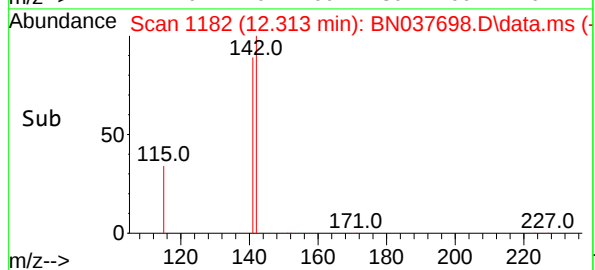
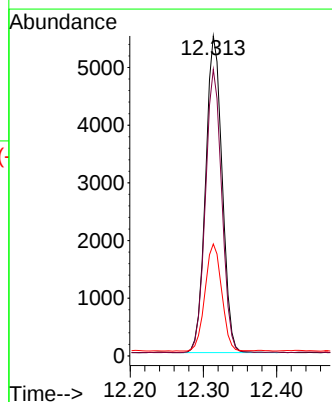
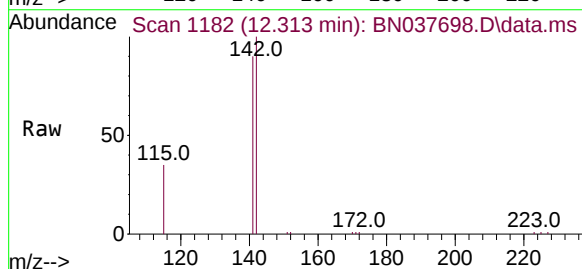
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BNA\_N  
ClientSampleId :  
ICVBN091125

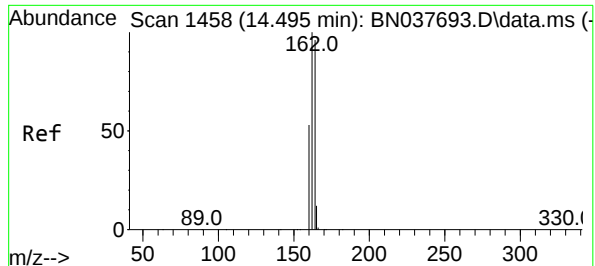
Tgt Ion:152 Resp: 7632  
Ion Ratio Lower Upper  
152 100  
151 20.9 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 0.375 ng  
RT: 12.313 min Scan# 1182  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

Tgt Ion:142 Resp: 8593  
Ion Ratio Lower Upper  
142 100  
141 89.5 71.6 107.4  
115 35.0 28.6 43.0

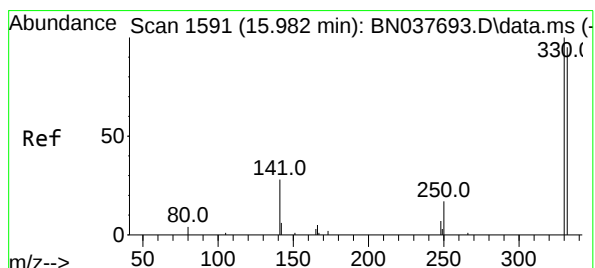
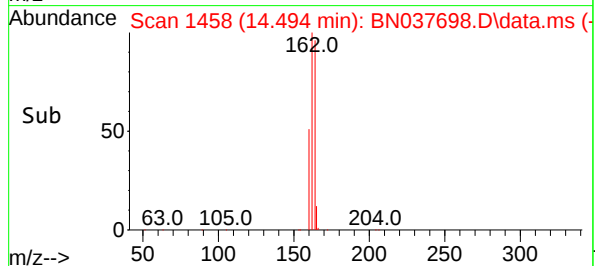
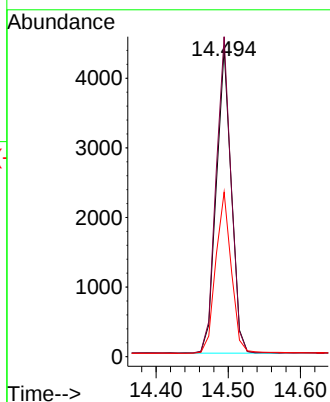
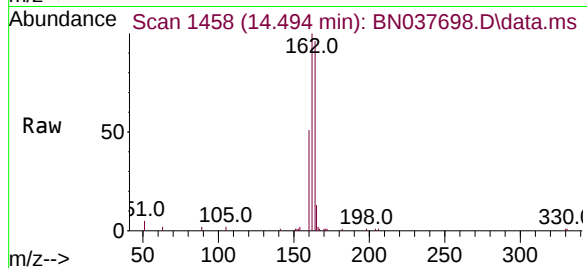




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.494 min Scan# 1458  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

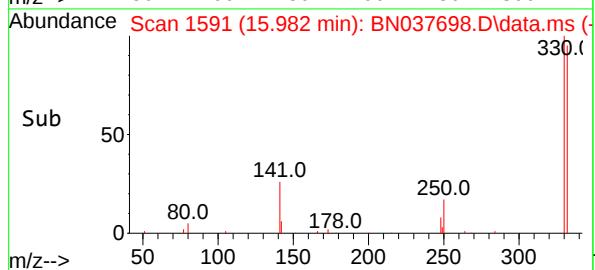
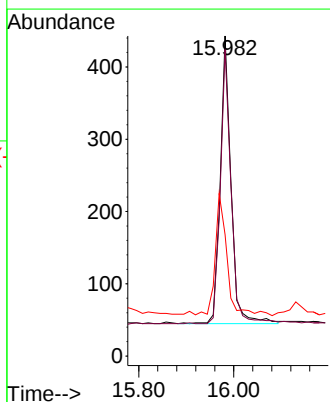
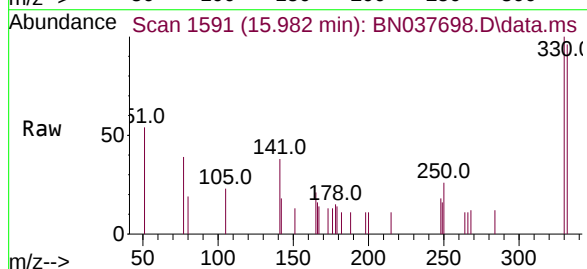
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN091125

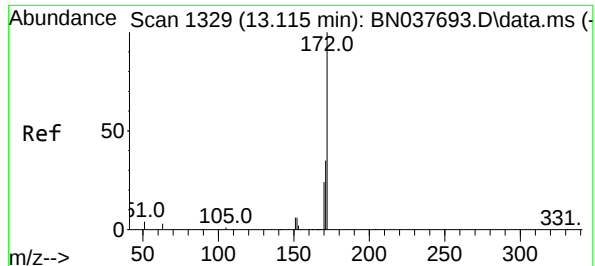
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.9 | 83.1  | 124.7 |
| 160     | 53.4  | 44.3  | 66.5  |



#14  
2,4,6-Tribromophenol  
Concen: 0.379 ng  
RT: 15.982 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.8  | 75.3  | 112.9 |
| 141     | 45.9  | 35.0  | 52.4  |

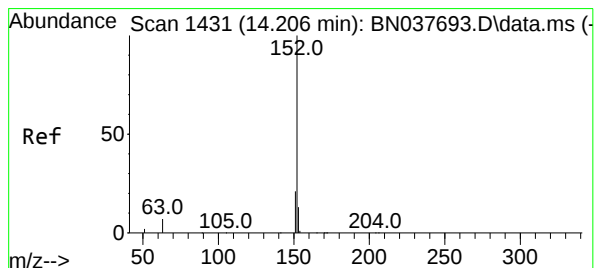
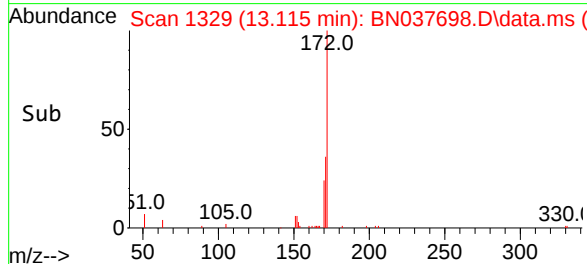
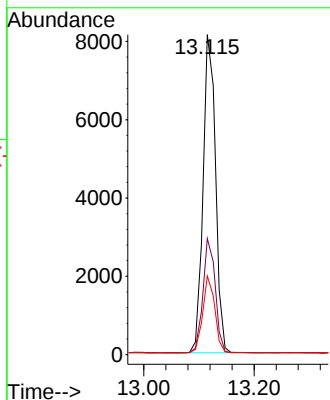
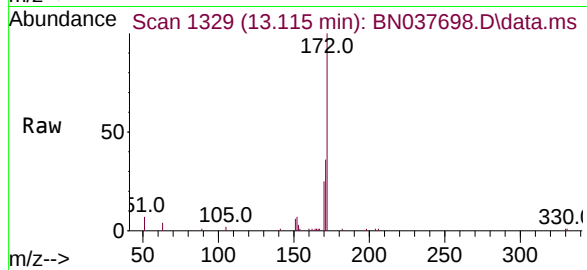




#15  
2-Fluorobiphenyl  
Concen: 0.476 ng  
RT: 13.115 min Scan# 1329  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

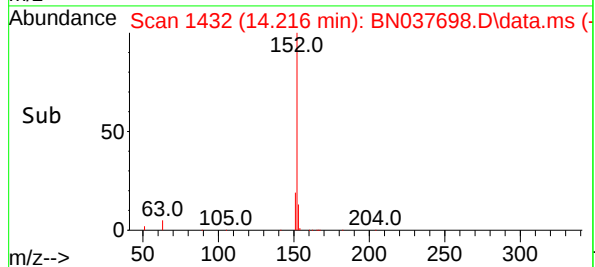
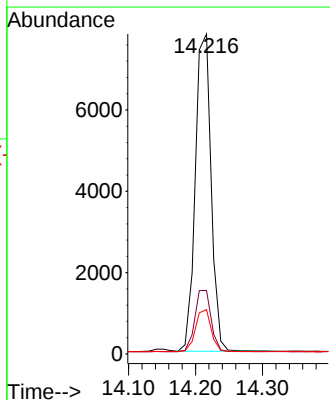
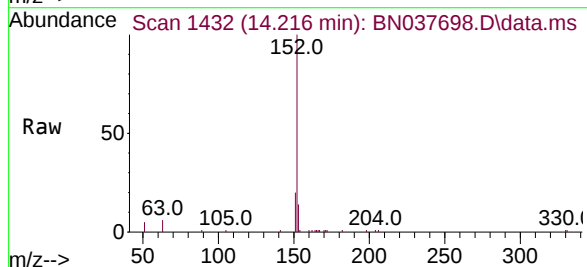
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN091125

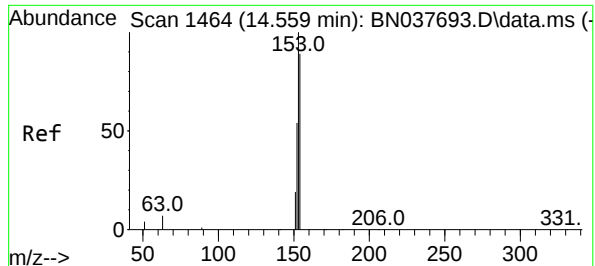
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 28.6  | 43.0  |
| 170     | 24.6  | 19.8  | 29.8  |



#16  
Acenaphthylene  
Concen: 0.438 ng  
RT: 14.216 min Scan# 1432  
Delta R.T. 0.010 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.0  | 16.2  | 24.2  |
| 153     | 13.2  | 10.4  | 15.6  |

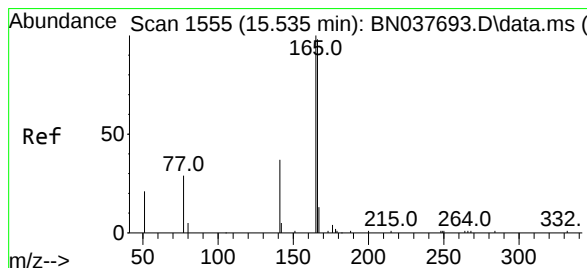
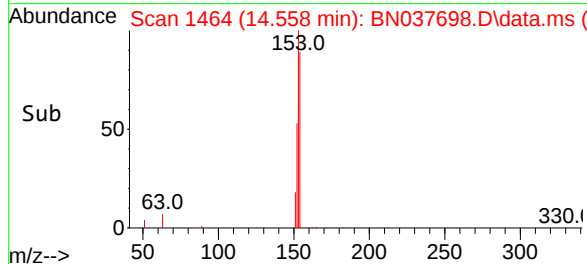
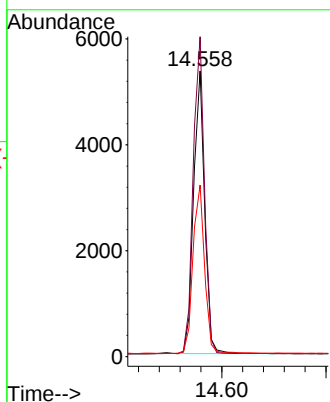
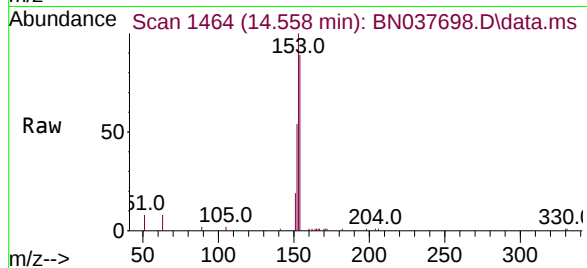




#17  
Acenaphthene  
Concen: 0.397 ng  
RT: 14.558 min Scan# 1464  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

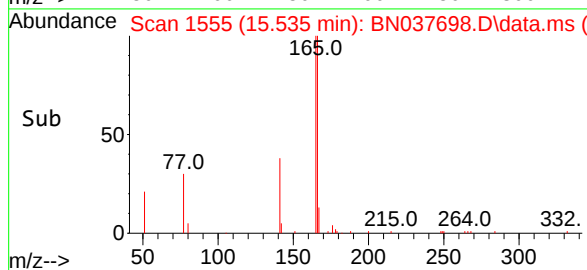
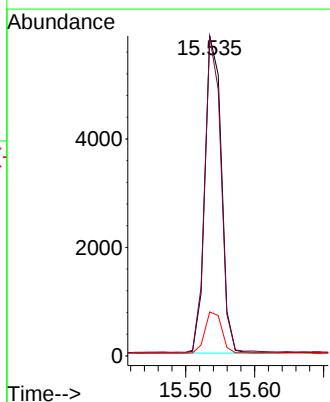
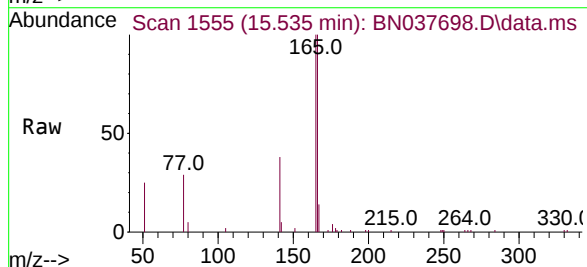
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN091125

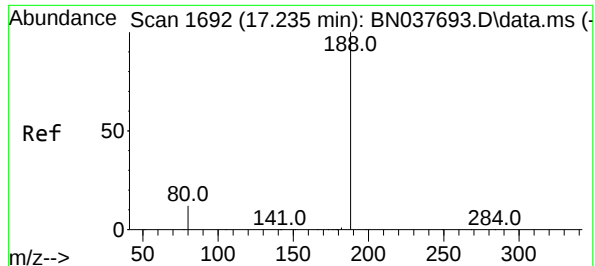
Tgt Ion:154 Resp: 7838  
Ion Ratio Lower Upper  
154 100  
153 114.1 89.8 134.8  
152 63.0 50.2 75.2



#18  
Fluorene  
Concen: 0.395 ng  
RT: 15.535 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

Tgt Ion:166 Resp: 9460  
Ion Ratio Lower Upper  
166 100  
165 97.0 79.6 119.4  
167 12.8 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.235 min Scan# 1692

Delta R.T. -0.000 min

Lab File: BN037698.D

Acq: 11 Sep 2025 14:09

Instrument :

BNA\_N

ClientSampleId :

ICVBN091125

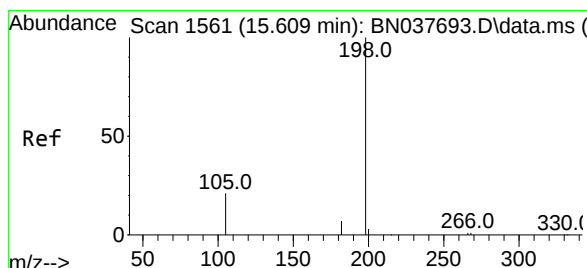
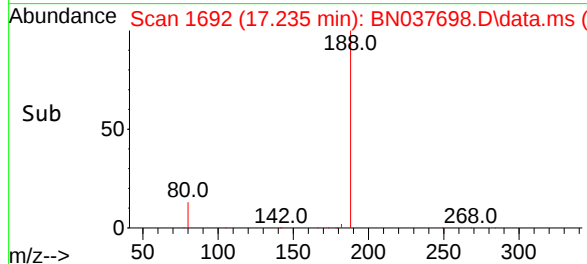
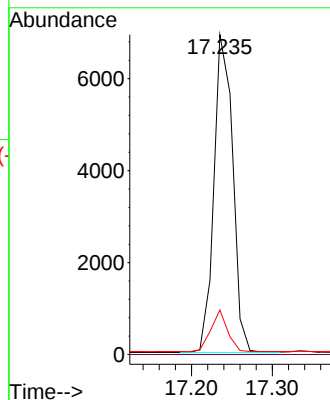
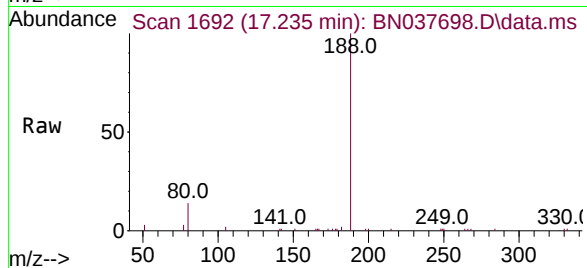
Tgt Ion:188 Resp: 11165

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 13.9 10.6 15.8



#20

4,6-Dinitro-2-methylphenol

Concen: 0.379 ng

RT: 15.609 min Scan# 1561

Delta R.T. 0.000 min

Lab File: BN037698.D

Acq: 11 Sep 2025 14:09

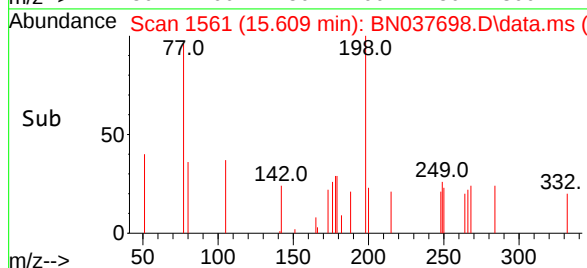
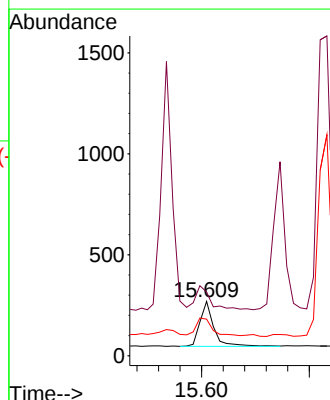
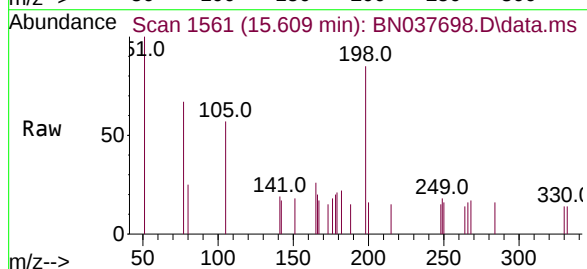
Tgt Ion:198 Resp: 392

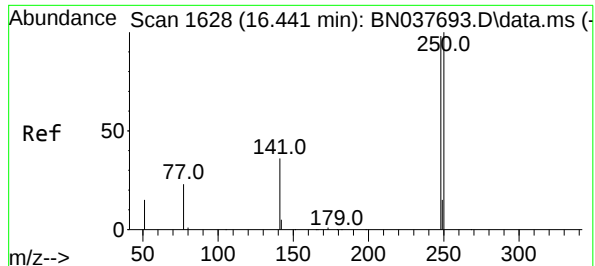
Ion Ratio Lower Upper

198 100

51 117.5 95.1 142.7

105 67.3 53.8 80.6

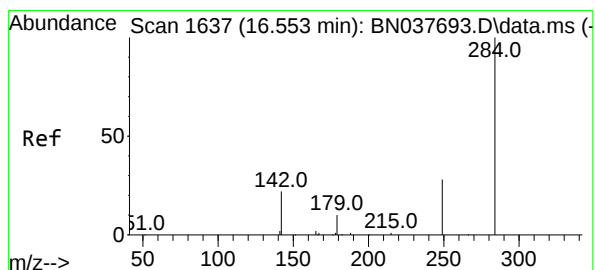
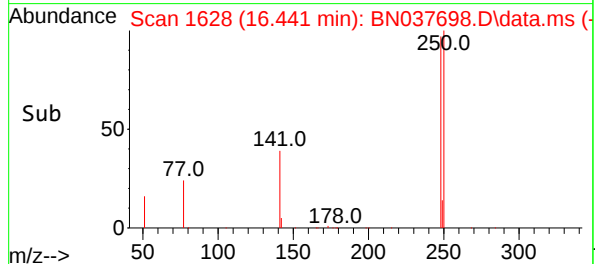
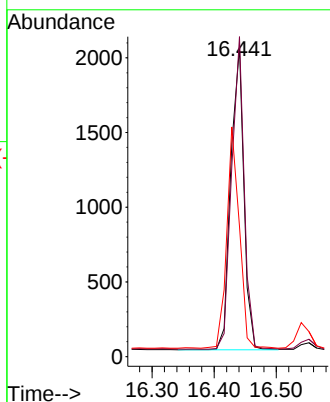
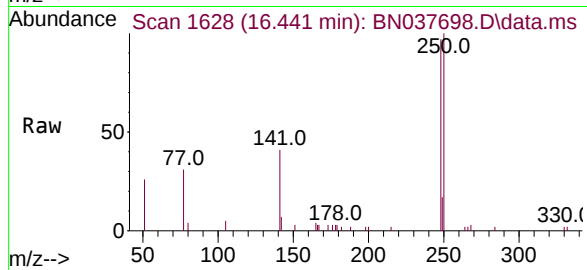




#21  
4-Bromophenyl-phenylether  
Concen: 0.409 ng  
RT: 16.441 min Scan# 1628  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

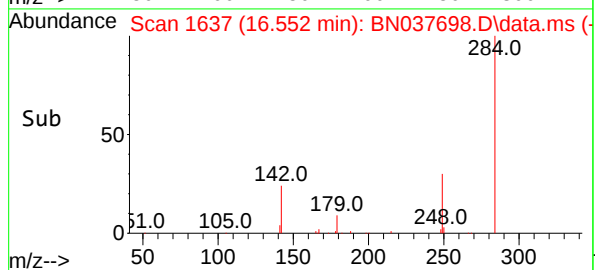
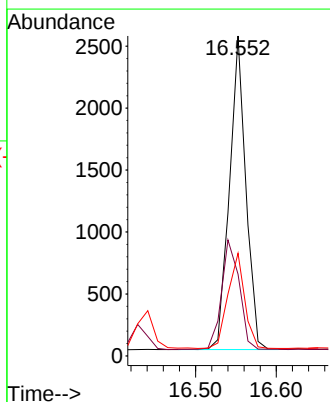
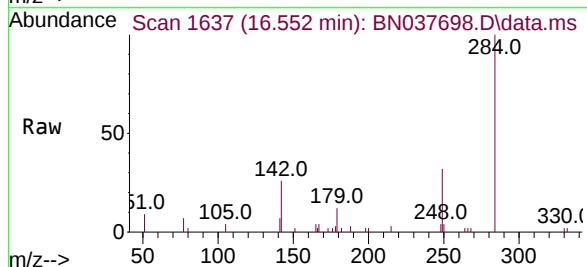
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN091125

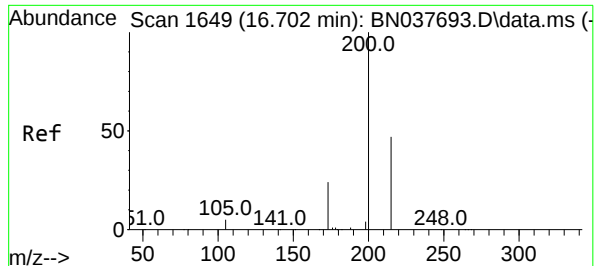
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 103.5 | 81.5  | 122.3 |
| 141     | 42.2  | 30.8  | 46.2  |



#22  
Hexachlorobenzene  
Concen: 0.426 ng  
RT: 16.552 min Scan# 1637  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 37.8  | 30.9  | 46.3  |
| 249     | 31.2  | 24.8  | 37.2  |

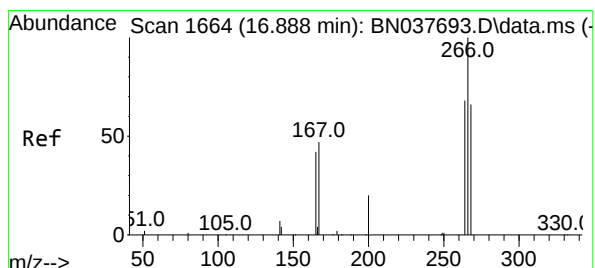
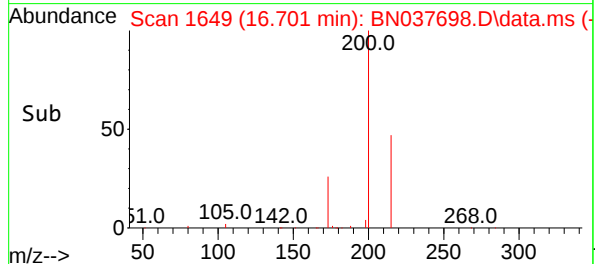
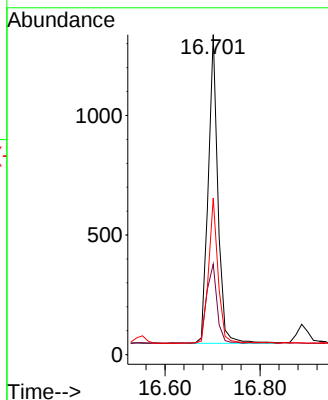
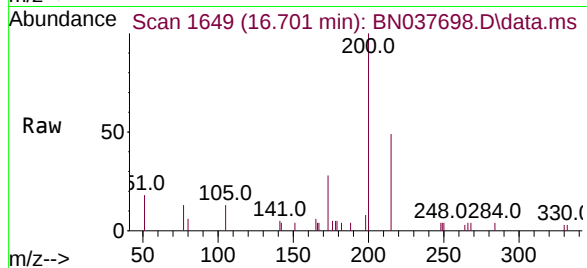




#23  
Atrazine  
Concen: 0.395 ng  
RT: 16.701 min Scan# 1649  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

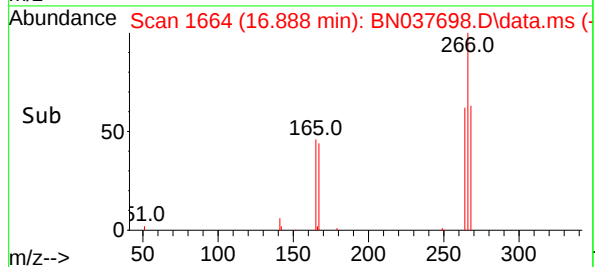
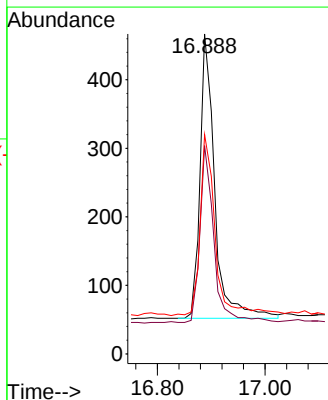
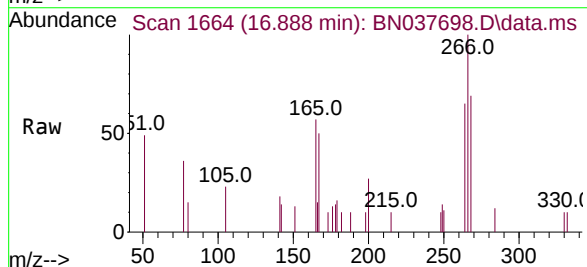
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN091125

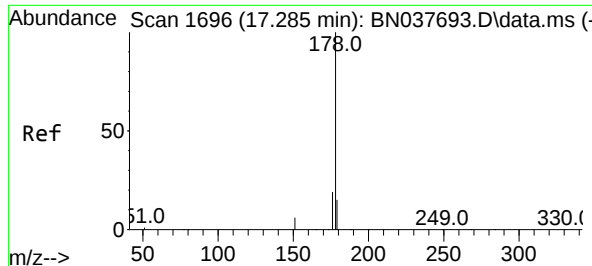
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 200   | Resp: | 1828 |
| Ion Ratio | Lower | Upper |      |
| 200       | 100   |       |      |
| 173       | 28.3  | 21.4  | 32.2 |
| 215       | 49.0  | 39.2  | 58.8 |



#24  
Pentachlorophenol  
Concen: 0.323 ng  
RT: 16.888 min Scan# 1664  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 785  |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 61.0  | 51.6  | 77.4 |
| 268       | 66.0  | 53.2  | 79.8 |

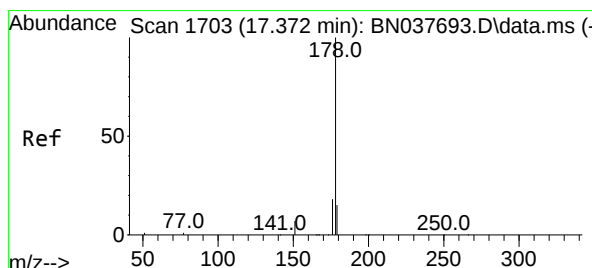
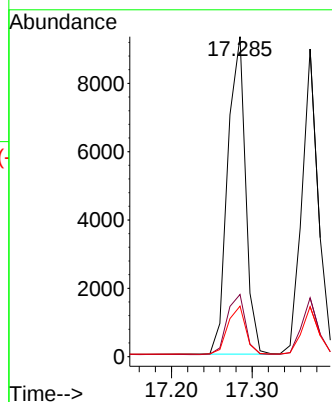
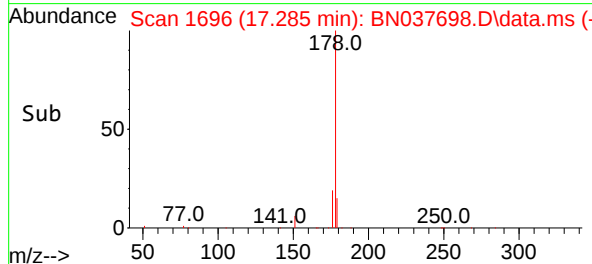
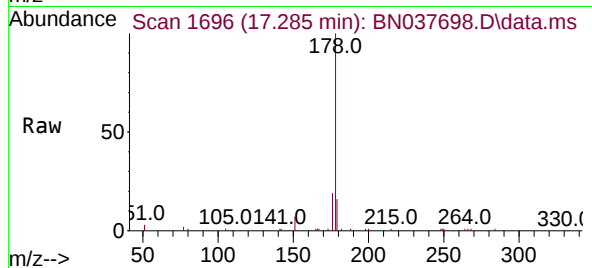




#25  
Phenanthrene  
Concen: 0.406 ng  
RT: 17.285 min Scan# 1696  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

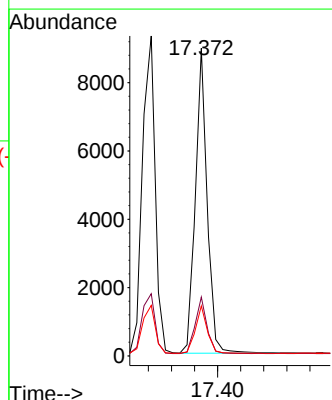
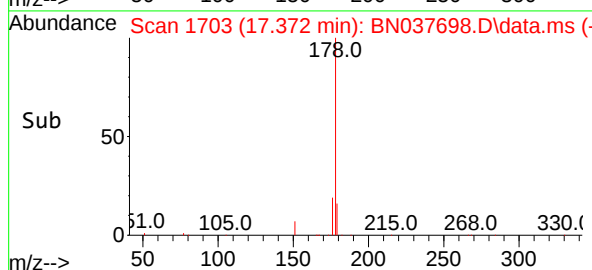
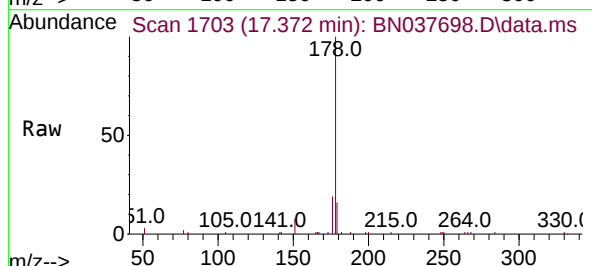
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN091125

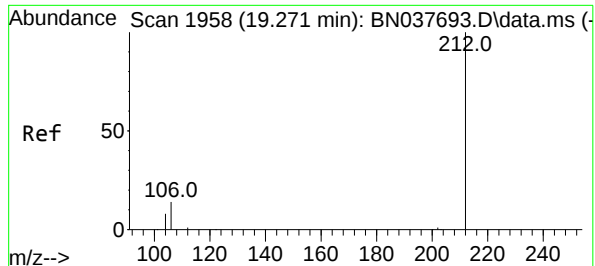
Tgt Ion:178 Resp: 14262  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.3 22.9  
179 15.6 12.2 18.2



#26  
Anthracene  
Concen: 0.406 ng  
RT: 17.372 min Scan# 1703  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

Tgt Ion:178 Resp: 12642  
Ion Ratio Lower Upper  
178 100  
176 18.6 14.6 22.0  
179 15.7 12.2 18.4





#27

Fluoranthene-d10

Concen: 0.397 ng

RT: 19.271 min Scan# 1958

Delta R.T. -0.000 min

Lab File: BN037698.D

Acq: 11 Sep 2025 14:09

Instrument :

BNA\_N

ClientSampleId :

ICVBN091125

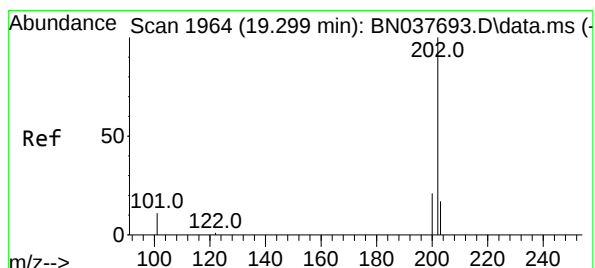
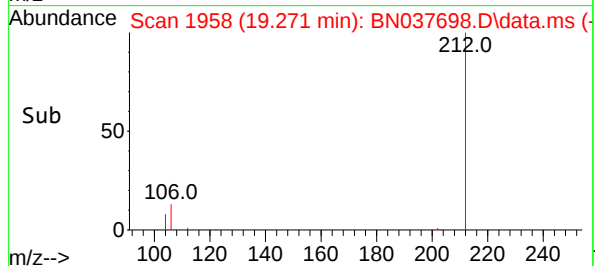
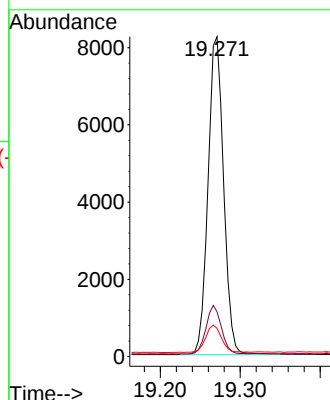
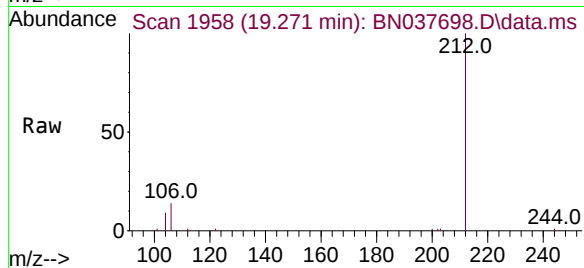
Tgt Ion:212 Resp: 11138

Ion Ratio Lower Upper

212 100

106 15.1 12.2 18.2

104 8.8 6.9 10.3



#28

Fluoranthene

Concen: 0.375 ng

RT: 19.299 min Scan# 1964

Delta R.T. -0.000 min

Lab File: BN037698.D

Acq: 11 Sep 2025 14:09

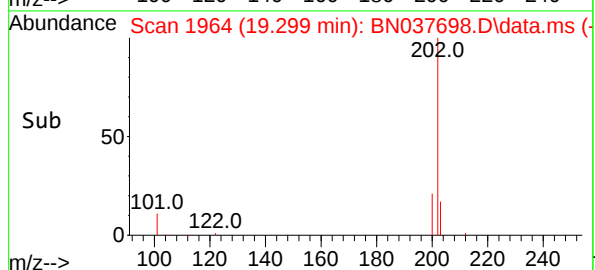
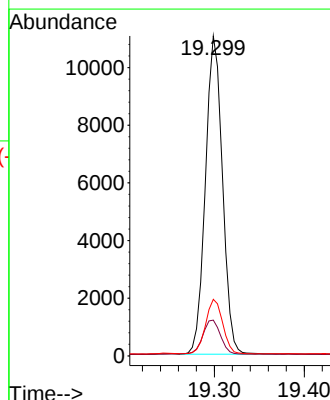
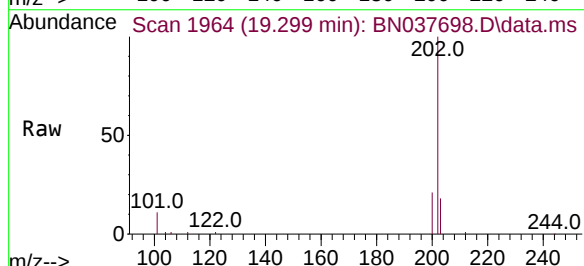
Tgt Ion:202 Resp: 14471

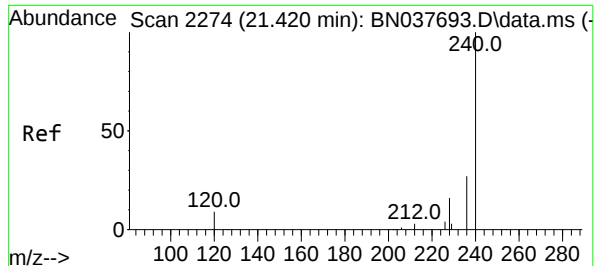
Ion Ratio Lower Upper

202 100

101 11.5 9.3 13.9

203 17.1 13.7 20.5

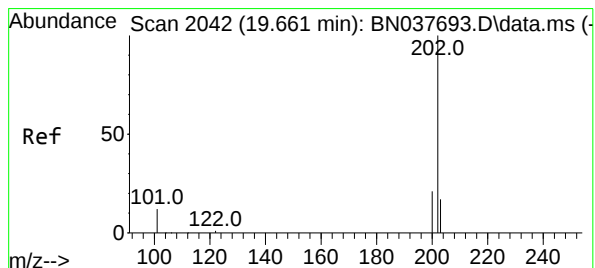
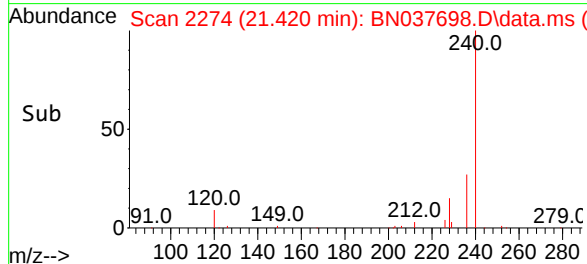
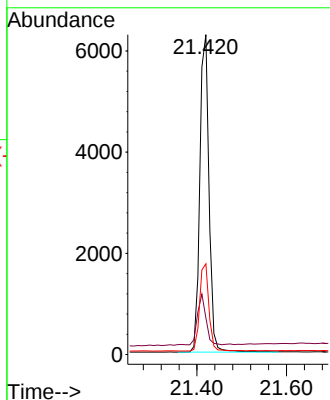
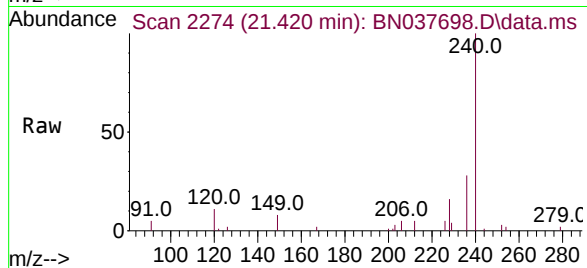




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.420 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

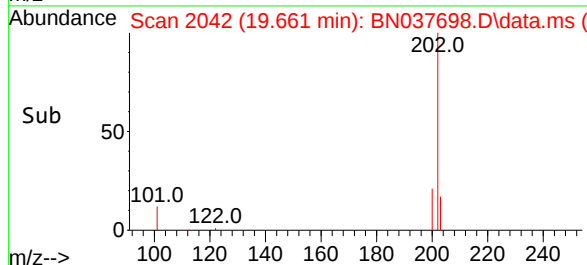
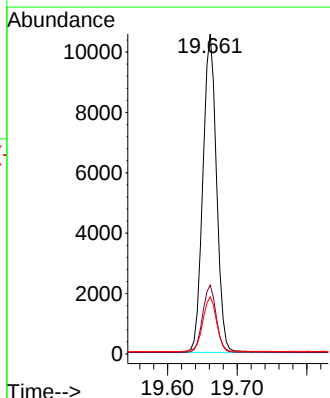
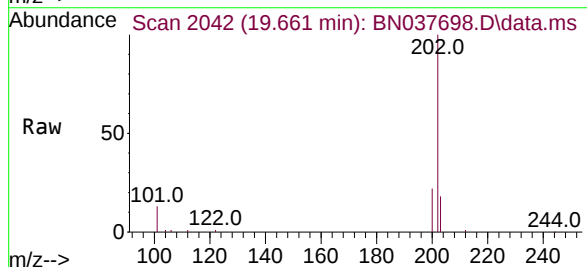
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN091125

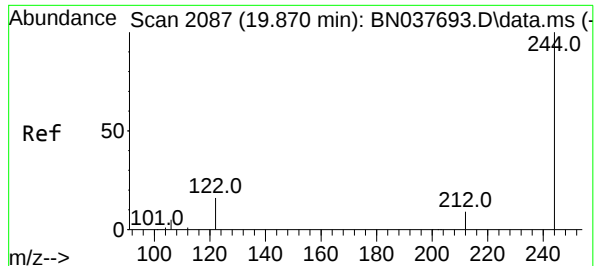
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.5  | 9.2   | 13.8  |
| 236     | 28.4  | 22.6  | 33.8  |



#30  
Pyrene  
Concen: 0.410 ng  
RT: 19.661 min Scan# 2042  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.9  | 16.8  | 25.2  |
| 203     | 17.6  | 14.3  | 21.5  |

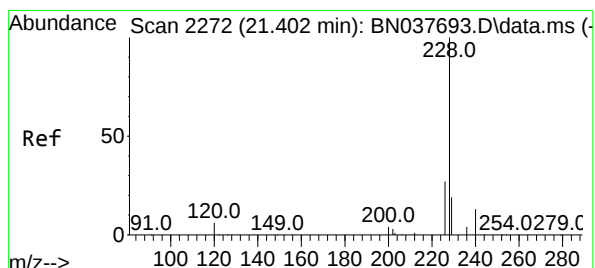
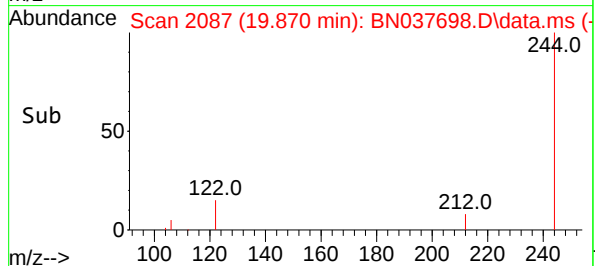
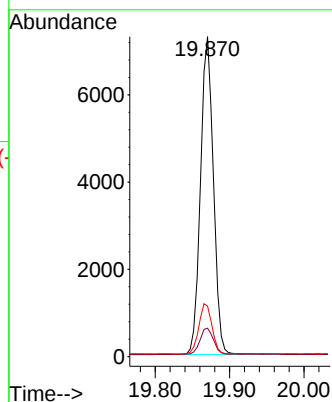
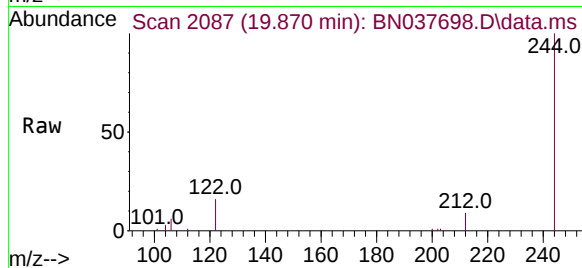




#31  
Terphenyl-d14  
Concen: 0.484 ng  
RT: 19.870 min Scan# 2087  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

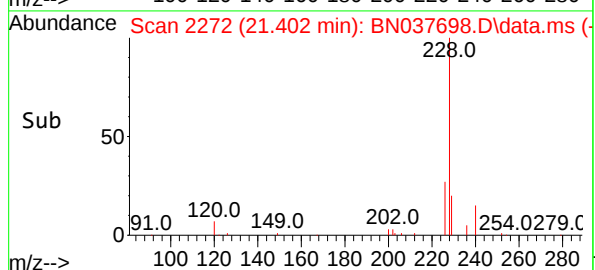
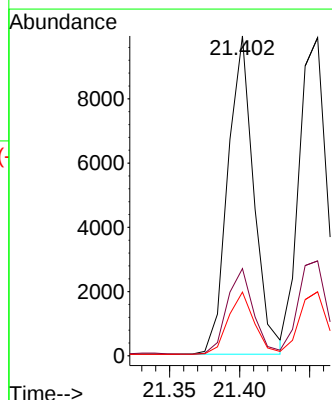
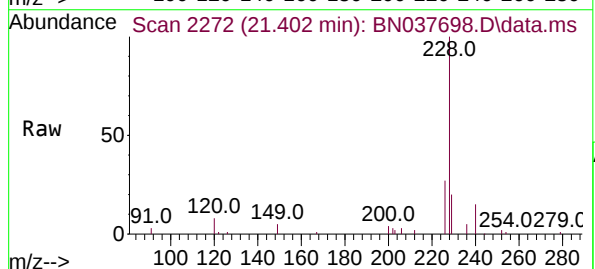
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN091125

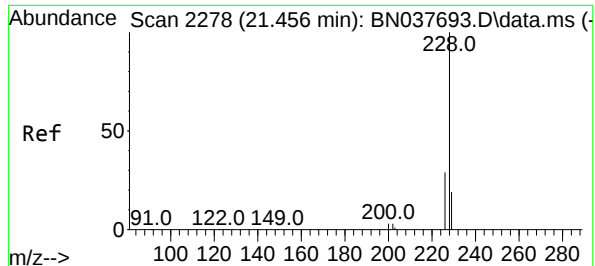
| Tgt Ion   | 244  | 212  | 122  |
|-----------|------|------|------|
| Resp:     | 8765 |      |      |
| Ion Ratio | 100  | 8.9  | 15.8 |
| Lower     |      | 7.5  | 13.2 |
| Upper     |      | 11.3 | 19.8 |



#32  
Benzo(a)anthracene  
Concen: 0.411 ng  
RT: 21.402 min Scan# 2272  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

| Tgt Ion   | 228   | 226  | 229  |
|-----------|-------|------|------|
| Resp:     | 12803 |      |      |
| Ion Ratio | 100   | 27.3 | 19.9 |
| Lower     |       | 22.2 | 15.8 |
| Upper     |       | 33.2 | 23.6 |

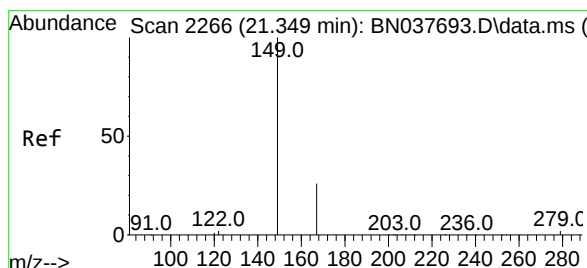
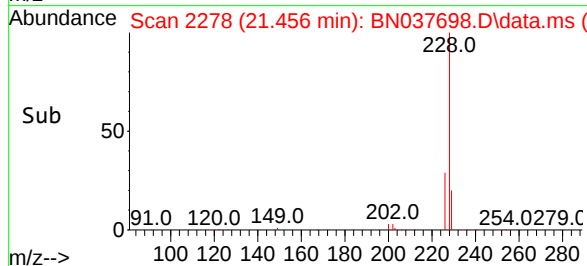
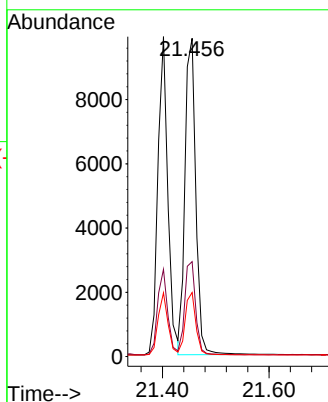
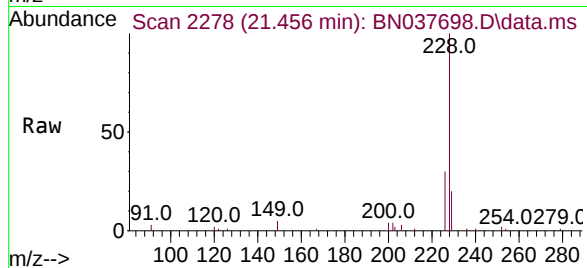




#33  
Chrysene  
Concen: 0.418 ng  
RT: 21.456 min Scan# 2278  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

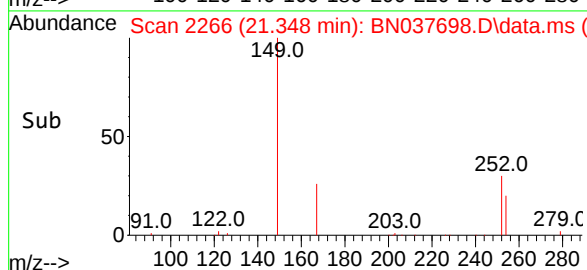
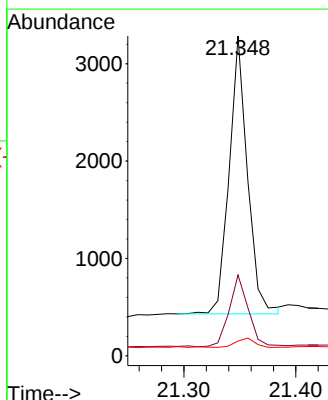
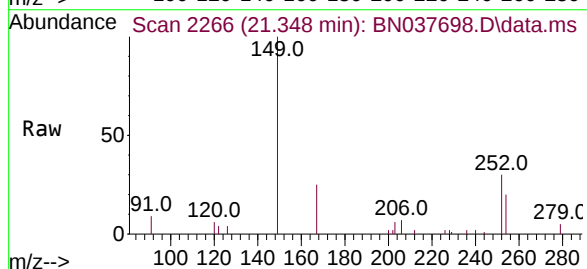
Instrument :  
BNA\_N  
ClientSampleId :  
ICVBN091125

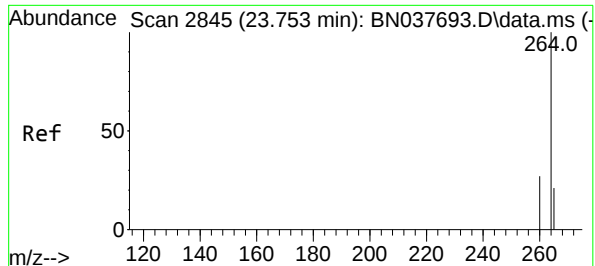
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:228 | Resp: | 13963     |
| Ion Ratio   | Lower | Upper     |
| 228         | 100   |           |
| 226         | 29.9  | 23.5 35.3 |
| 229         | 20.1  | 15.9 23.9 |



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.351 ng  
RT: 21.348 min Scan# 2266  
Delta R.T. -0.000 min  
Lab File: BN037698.D  
Acq: 11 Sep 2025 14:09

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:149 | Resp: | 3245      |
| Ion Ratio   | Lower | Upper     |
| 149         | 100   |           |
| 167         | 26.8  | 20.8 31.2 |
| 279         | 3.3   | 3.3 4.9   |





#35

Perylene-d12

Concen: 0.400 ng

RT: 23.750 min Scan# 2844

Delta R.T. -0.003 min

Lab File: BN037698.D

Acq: 11 Sep 2025 14:09

Instrument :

BNA\_N

ClientSampleId :

ICVBN091125

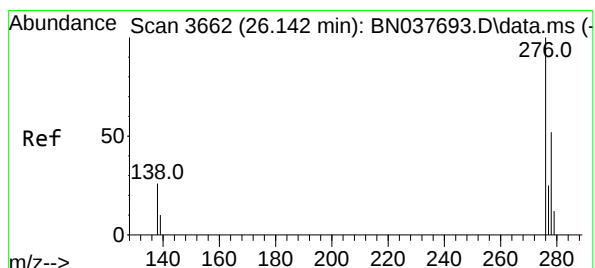
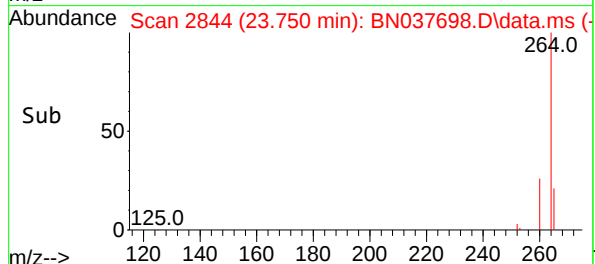
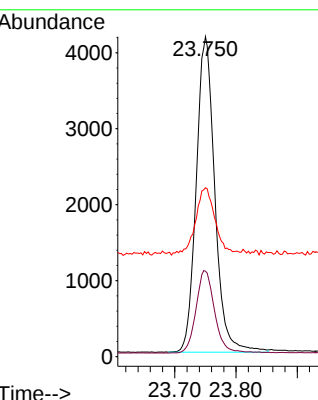
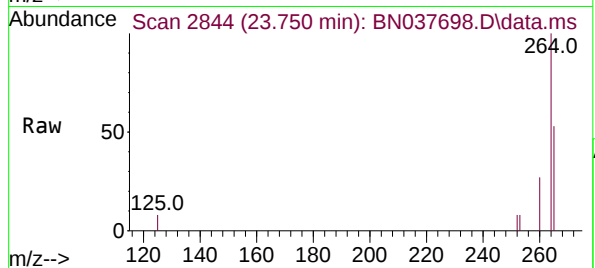
Tgt Ion:264 Resp: 8751

Ion Ratio Lower Upper

264 100

260 26.7 21.8 32.8

265 52.8 39.4 59.2



#36

Indeno(1,2,3-cd)pyrene

Concen: 0.420 ng

RT: 26.139 min Scan# 3661

Delta R.T. -0.003 min

Lab File: BN037698.D

Acq: 11 Sep 2025 14:09

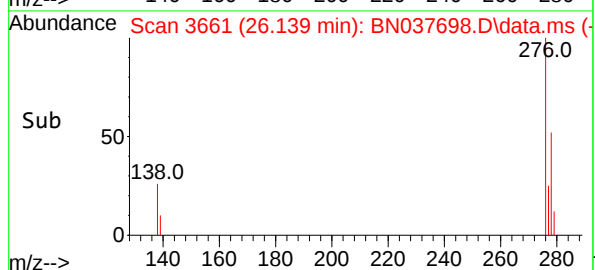
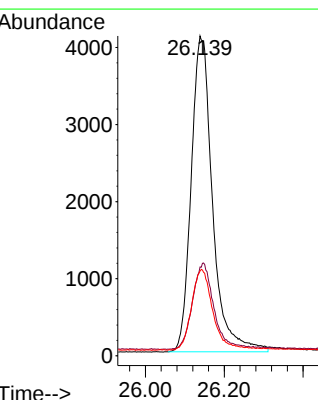
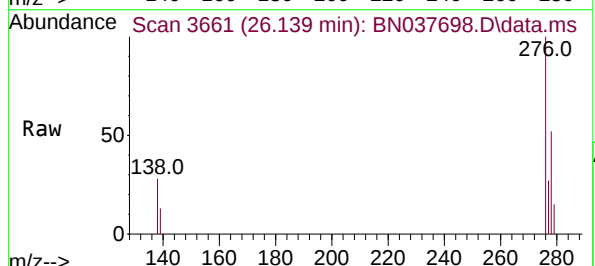
Tgt Ion:276 Resp: 15430

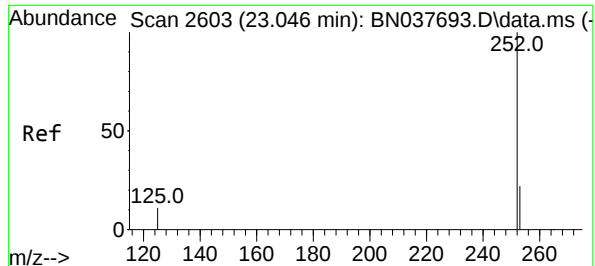
Ion Ratio Lower Upper

276 100

138 27.4 21.9 32.9

277 25.3 20.1 30.1





#37

Benzo(b)fluoranthene

Concen: 0.398 ng

RT: 23.045 min Scan# 2603

Delta R.T. -0.000 min

Lab File: BN037698.D

Acq: 11 Sep 2025 14:09

Instrument :

BNA\_N

ClientSampleId :

ICVBN091125

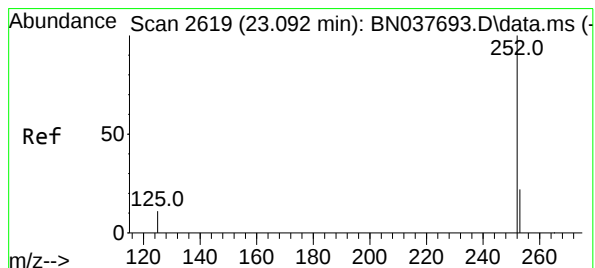
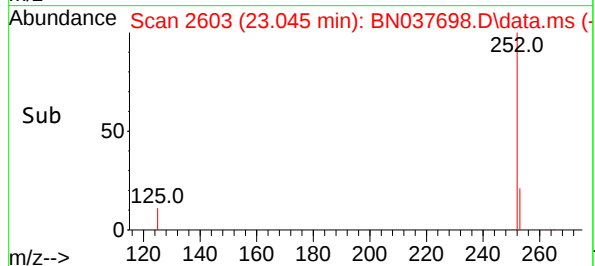
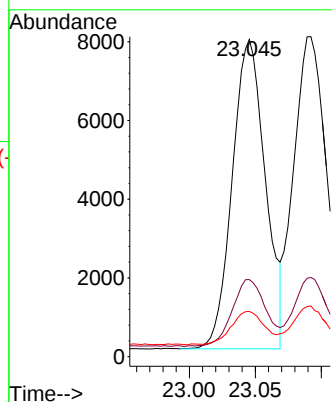
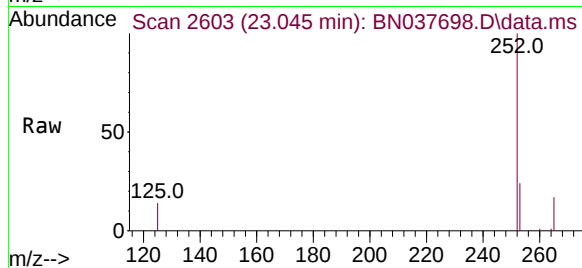
Tgt Ion:252 Resp: 13718

Ion Ratio Lower Upper

252 100

253 24.3 19.4 29.2

125 14.3 11.2 16.8



#38

Benzo(k)fluoranthene

Concen: 0.412 ng

RT: 23.092 min Scan# 2619

Delta R.T. -0.000 min

Lab File: BN037698.D

Acq: 11 Sep 2025 14:09

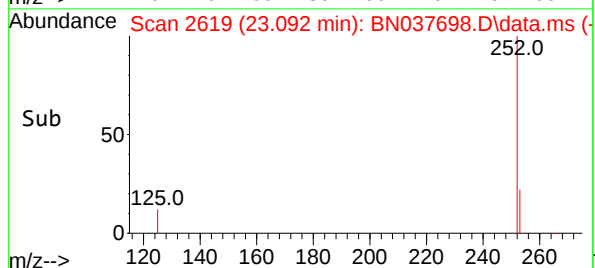
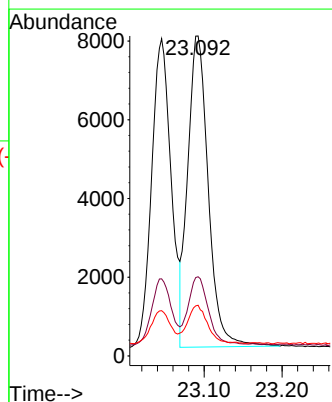
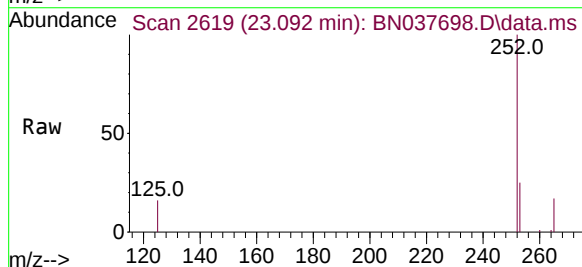
Tgt Ion:252 Resp: 14465

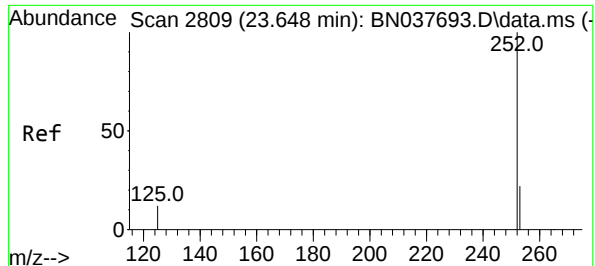
Ion Ratio Lower Upper

252 100

253 24.7 19.4 29.0

125 15.8 11.6 17.4





#39

Benzo(a)pyrene

Concen: 0.433 ng

RT: 23.648 min Scan# 2809

Delta R.T. -0.000 min

Lab File: BN037698.D

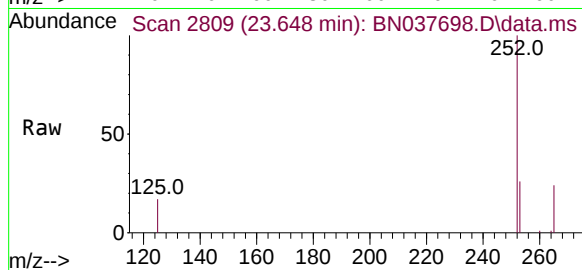
Acq: 11 Sep 2025 14:09

Instrument :

BNA\_N

ClientSampleId :

ICVBN091125



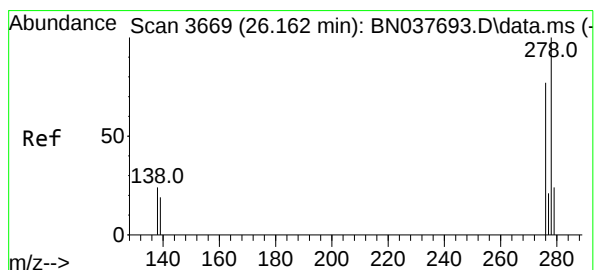
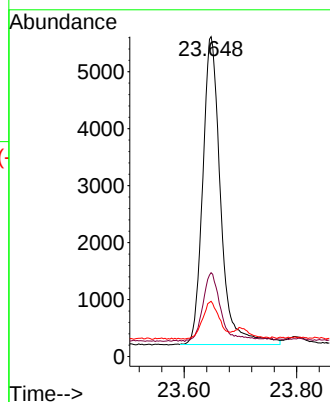
Tgt Ion:252 Resp: 11950

Ion Ratio Lower Upper

252 100

253 26.2 20.8 31.2

125 17.3 13.9 20.9



#40

Dibenzo(a,h)anthracene

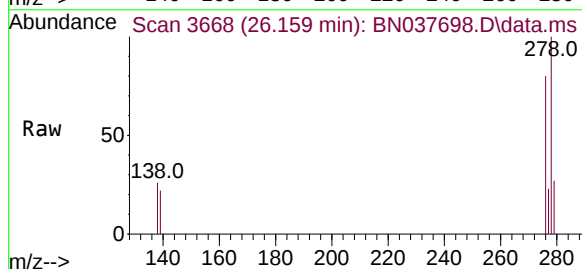
Concen: 0.419 ng

RT: 26.159 min Scan# 3668

Delta R.T. -0.003 min

Lab File: BN037698.D

Acq: 11 Sep 2025 14:09



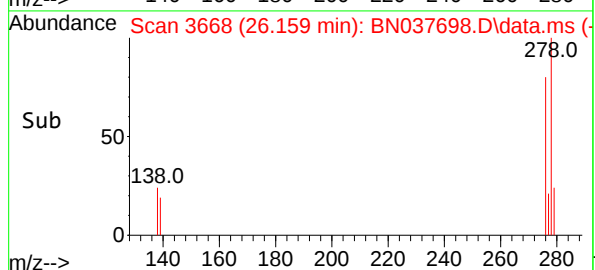
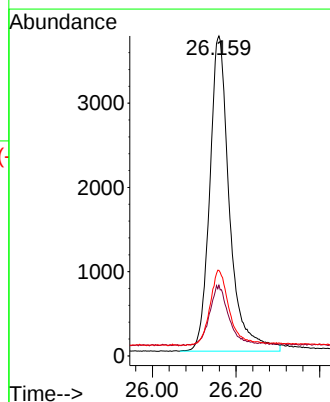
Tgt Ion:278 Resp: 12290

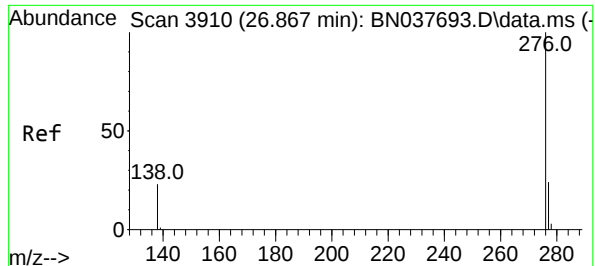
Ion Ratio Lower Upper

278 100

139 22.1 17.8 26.6

279 26.7 22.0 33.0





#41

Benzo(g,h,i)perylene

Concen: 0.398 ng

RT: 26.864 min Scan# 39

Delta R.T. -0.003 min

Lab File: BN037698.D

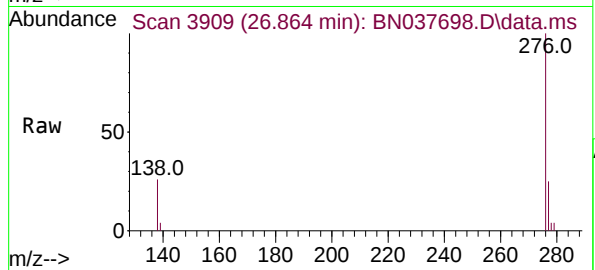
Acq: 11 Sep 2025 14:09

Instrument :

BNA\_N

ClientSampleId :

ICVBN091125



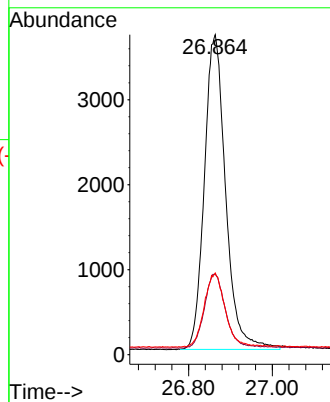
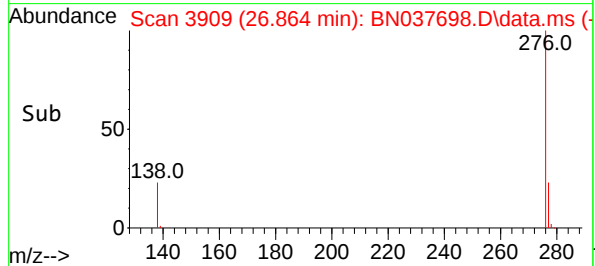
Tgt Ion:276 Resp: 13095

Ion Ratio Lower Upper

276 100

277 25.1 20.6 31.0

138 25.5 20.2 30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
 Data File : BN037698.D  
 Acq On : 11 Sep 2025 14:09  
 Operator : RC/JU  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 ICVBN091125

Quant Time: Sep 11 16:00:40 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:20:01 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|         | Compound                   | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|---------|----------------------------|-------|-------|-------|-------|----------|
| 1 I     | 1,4-Dichlorobenzene-d4     | 1.000 | 1.000 | 0.0   | 101   | 0.00     |
| 2       | 1,4-Dioxane                | 0.417 | 0.489 | -17.3 | 117   | 0.00     |
| 3       | n-Nitrosodimethylamine     | 0.544 | 0.581 | -6.8  | 104   | 0.00     |
| 4 S     | 2-Fluorophenol             | 0.918 | 0.904 | 1.5   | 102   | 0.00     |
| 5 S     | Phenol-d6                  | 1.191 | 1.132 | 5.0   | 99    | 0.00     |
| 6       | bis(2-Chloroethyl)ether    | 1.064 | 1.147 | -7.8  | 108   | 0.00     |
| 7 I     | Naphthalene-d8             | 1.000 | 1.000 | 0.0   | 102   | 0.00     |
| 8 S     | Nitrobenzene-d5            | 0.293 | 0.332 | -13.3 | 119   | 0.00     |
| 9       | Naphthalene                | 1.093 | 1.118 | -2.3  | 106   | 0.00     |
| 10      | Hexachlorobutadiene        | 0.198 | 0.208 | -5.1  | 108   | 0.00     |
| 11 SURR | 2-Methylnaphthalene-d10    | 0.530 | 0.563 | -6.2  | 116   | 0.00     |
| 12      | 2-Methylnaphthalene        | 0.676 | 0.634 | 6.2   | 98    | 0.00     |
| 13 I    | Acenaphthene-d10           | 1.000 | 1.000 | 0.0   | 103   | 0.00     |
| 14 S    | 2,4,6-Tribromophenol       | 0.104 | 0.099 | 4.8   | 101   | 0.00     |
| 15 S    | 2-Fluorobiphenyl           | 1.673 | 1.991 | -19.0 | 124   | 0.00     |
| 16      | Acenaphthylene             | 1.834 | 2.007 | -9.4  | 116   | 0.01     |
| 17      | Acenaphthene               | 1.240 | 1.230 | 0.8   | 104   | 0.00     |
| 18      | Fluorene                   | 1.502 | 1.485 | 1.1   | 106   | 0.00     |
| 19 I    | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 99    | 0.00     |
| 20      | 4,6-Dinitro-2-methylphenol | 0.037 | 0.035 | 5.4   | 105   | 0.00     |
| 21      | 4-Bromophenyl-phenylether  | 0.261 | 0.266 | -1.9  | 105   | 0.00     |
| 22      | Hexachlorobenzene          | 0.300 | 0.320 | -6.7  | 108   | 0.00     |
| 23      | Atrazine                   | 0.166 | 0.164 | 1.2   | 107   | 0.00     |
| 24      | Pentachlorophenol          | 0.087 | 0.070 | 19.5  | 94    | 0.00     |
| 25      | Phenanthrene               | 1.259 | 1.277 | -1.4  | 104   | 0.00     |
| 26      | Anthracene                 | 1.116 | 1.132 | -1.4  | 105   | 0.00     |
| 27 SURR | Fluoranthene-d10           | 1.004 | 0.998 | 0.6   | 106   | 0.00     |
| 28      | Fluoranthene               | 1.381 | 1.296 | 6.2   | 98    | 0.00     |
| 29 I    | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 95    | 0.00     |
| 30      | Pyrene                     | 1.566 | 1.604 | -2.4  | 98    | 0.00     |
| 31 S    | Terphenyl-d14              | 0.812 | 0.981 | -20.8 | 117   | 0.00     |
| 32      | Benzo(a)anthracene         | 1.395 | 1.434 | -2.8  | 101   | 0.00     |
| 33      | Chrysene                   | 1.496 | 1.563 | -4.5  | 100   | 0.00     |
| 34      | Bis(2-ethylhexyl)phthalate | 0.414 | 0.363 | 12.3  | 92    | 0.00     |
| 35 I    | Perylene-d12               | 1.000 | 1.000 | 0.0   | 98    | 0.00     |
| 36      | Indeno(1,2,3-cd)pyrene     | 1.681 | 1.763 | -4.9  | 112   | 0.00     |
| 37      | Benzo(b)fluoranthene       | 1.575 | 1.568 | 0.4   | 98    | 0.00     |
| 38      | Benzo(k)fluoranthene       | 1.606 | 1.653 | -2.9  | 106   | 0.00     |
| 39 C    | Benzo(a)pyrene             | 1.261 | 1.366 | -8.3  | 111   | 0.00     |
| 40      | Dibenzo(a,h)anthracene     | 1.342 | 1.404 | -4.6  | 113   | 0.00     |
| 41      | Benzo(g,h,i)perylene       | 1.506 | 1.496 | 0.7   | 101   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

**Instrument :**

BNA\_N

**ClientSampleId :**

ICVBN091125

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
 Data File : BN037698.D  
 Acq On : 11 Sep 2025 14:09  
 Operator : RC/JU  
 Sample : SSTDICV0.4  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 ICVBN091125

Quant Time: Sep 11 16:00:40 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:20:01 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     | 0.400  | 0.400 | 0.0   | 101   | 0.00     |
| 2       | 1,4-Dioxane                | 0.400  | 0.469 | -17.2 | 117   | 0.00     |
| 3       | n-Nitrosodimethylamine     | 0.400  | 0.427 | -6.7  | 104   | 0.00     |
| 4 S     | 2-Fluorophenol             | 0.400  | 0.394 | 1.5   | 102   | 0.00     |
| 5 S     | Phenol-d6                  | 0.400  | 0.380 | 5.0   | 99    | 0.00     |
| 6       | bis(2-Chloroethyl)ether    | 0.400  | 0.431 | -7.7  | 108   | 0.00     |
| 7 I     | Naphthalene-d8             | 0.400  | 0.400 | 0.0   | 102   | 0.00     |
| 8 S     | Nitrobenzene-d5            | 0.400  | 0.454 | -13.5 | 119   | 0.00     |
| 9       | Naphthalene                | 0.400  | 0.409 | -2.2  | 106   | 0.00     |
| 10      | Hexachlorobutadiene        | 0.400  | 0.420 | -5.0  | 108   | 0.00     |
| 11 SURR | 2-Methylnaphthalene-d10    | 0.400  | 0.425 | -6.2  | 116   | 0.00     |
| 12      | 2-Methylnaphthalene        | 0.400  | 0.375 | 6.3   | 98    | 0.00     |
| 13 I    | Acenaphthene-d10           | 0.400  | 0.400 | 0.0   | 103   | 0.00     |
| 14 S    | 2,4,6-Tribromophenol       | 0.400  | 0.379 | 5.3   | 101   | 0.00     |
| 15 S    | 2-Fluorobiphenyl           | 0.400  | 0.476 | -19.0 | 124   | 0.00     |
| 16      | Acenaphthylene             | 0.400  | 0.438 | -9.5  | 116   | 0.01     |
| 17      | Acenaphthene               | 0.400  | 0.397 | 0.8   | 104   | 0.00     |
| 18      | Fluorene                   | 0.400  | 0.395 | 1.3   | 106   | 0.00     |
| 19 I    | Phenanthrene-d10           | 0.400  | 0.400 | 0.0   | 99    | 0.00     |
| 20      | 4,6-Dinitro-2-methylphenol | 0.400  | 0.379 | 5.3   | 105   | 0.00     |
| 21      | 4-Bromophenyl-phenylether  | 0.400  | 0.409 | -2.2  | 105   | 0.00     |
| 22      | Hexachlorobenzene          | 0.400  | 0.426 | -6.5  | 108   | 0.00     |
| 23      | Atrazine                   | 0.400  | 0.395 | 1.3   | 107   | 0.00     |
| 24      | Pentachlorophenol          | 0.400  | 0.323 | 19.3  | 94    | 0.00     |
| 25      | Phenanthrene               | 0.400  | 0.406 | -1.5  | 104   | 0.00     |
| 26      | Anthracene                 | 0.400  | 0.406 | -1.5  | 105   | 0.00     |
| 27 SURR | Fluoranthene-d10           | 0.400  | 0.397 | 0.8   | 106   | 0.00     |
| 28      | Fluoranthene               | 0.400  | 0.375 | 6.3   | 98    | 0.00     |
| 29 I    | Chrysene-d12               | 0.400  | 0.400 | 0.0   | 95    | 0.00     |
| 30      | Pyrene                     | 0.400  | 0.410 | -2.5  | 98    | 0.00     |
| 31 S    | Terphenyl-d14              | 0.400  | 0.484 | -21.0 | 117   | 0.00     |
| 32      | Benzo(a)anthracene         | 0.400  | 0.411 | -2.7  | 101   | 0.00     |
| 33      | Chrysene                   | 0.400  | 0.418 | -4.5  | 100   | 0.00     |
| 34      | Bis(2-ethylhexyl)phthalate | 0.400  | 0.351 | 12.3  | 92    | 0.00     |
| 35 I    | Perylene-d12               | 0.400  | 0.400 | 0.0   | 98    | 0.00     |
| 36      | Indeno(1,2,3-cd)pyrene     | 0.400  | 0.420 | -5.0  | 112   | 0.00     |
| 37      | Benzo(b)fluoranthene       | 0.400  | 0.398 | 0.5   | 98    | 0.00     |
| 38      | Benzo(k)fluoranthene       | 0.400  | 0.412 | -3.0  | 106   | 0.00     |
| 39 C    | Benzo(a)pyrene             | 0.400  | 0.433 | -8.2  | 111   | 0.00     |
| 40      | Dibenzo(a,h)anthracene     | 0.400  | 0.419 | -4.7  | 113   | 0.00     |
| 41      | Benzo(g,h,i)perylene       | 0.400  | 0.398 | 0.5   | 101   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

**Instrument :**

BNA\_N

**ClientSampleId :**

ICVBN091125



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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01  
 Lab Code: ACE SDG No.: Q3083  
 Instrument ID: BNA\_N Calibration Date/Time: 09/18/2025 02:46  
 Lab File ID: BN037759.D Init. Calib. Date(s): 09/11/2025 09/11/2025  
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:56 13:33  
 GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D   | MAX%D |
|-------------------------|-------|--------|------------|------|-------|
| 2-Methylnaphthalene-d10 | 0.530 | 0.511  |            | -3.6 | 20.0  |
| Fluoranthene-d10        | 1.004 | 0.949  |            | -5.5 | 20.0  |
| 2-Fluorophenol          | 0.918 | 0.939  |            | 2.3  | 20.0  |
| Phenol-d6               | 1.191 | 1.179  |            | -1.0 | 20.0  |
| Nitrobenzene-d5         | 0.293 | 0.286  |            | -2.4 | 20.0  |
| Naphthalene             | 1.093 | 1.062  |            | -2.8 | 20.0  |
| 2-Fluorobiphenyl        | 1.673 | 1.646  |            | -1.6 | 20.0  |
| Acenaphthylene          | 1.834 | 1.743  |            | -5.0 | 20.0  |
| Acenaphthene            | 1.240 | 1.204  |            | -2.9 | 20.0  |
| Fluorene                | 1.502 | 1.421  |            | -5.4 | 20.0  |
| 2,4,6-Tribromophenol    | 0.104 | 0.120  |            | 15.4 | 20.0  |
| Phenanthrene            | 1.259 | 1.218  |            | -3.3 | 20.0  |
| Anthracene              | 1.116 | 1.073  |            | -3.9 | 20.0  |
| Fluoranthene            | 1.381 | 1.338  |            | -3.1 | 20.0  |
| Pyrene                  | 1.566 | 1.487  |            | -5.0 | 20.0  |
| Terphenyl-d14           | 0.812 | 0.735  |            | -9.5 | 20.0  |
| Benzo(a)anthracene      | 1.395 | 1.368  |            | -1.9 | 20.0  |
| Chrysene                | 1.496 | 1.485  |            | -0.7 | 20.0  |
| Benzo(b)fluoranthene    | 1.575 | 1.500  |            | -4.8 | 20.0  |
| Benzo(k)fluoranthene    | 1.606 | 1.567  |            | -2.4 | 20.0  |
| Benzo(a)pyrene          | 1.261 | 1.217  |            | -3.5 | 20.0  |
| Indeno(1,2,3-cd)pyrene  | 1.681 | 1.811  |            | 7.7  | 20.0  |
| Dibenzo(a,h)anthracene  | 1.342 | 1.448  |            | 7.9  | 20.0  |
| Benzo(g,h,i)perylene    | 1.506 | 1.515  |            | 0.6  | 20.0  |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091725\  
 Data File : BN037759.D  
 Acq On : 18 Sep 2025 02:46  
 Operator : RC/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: Sep 18 05:02:26 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:20:01 2025  
 Response via : Initial Calibration

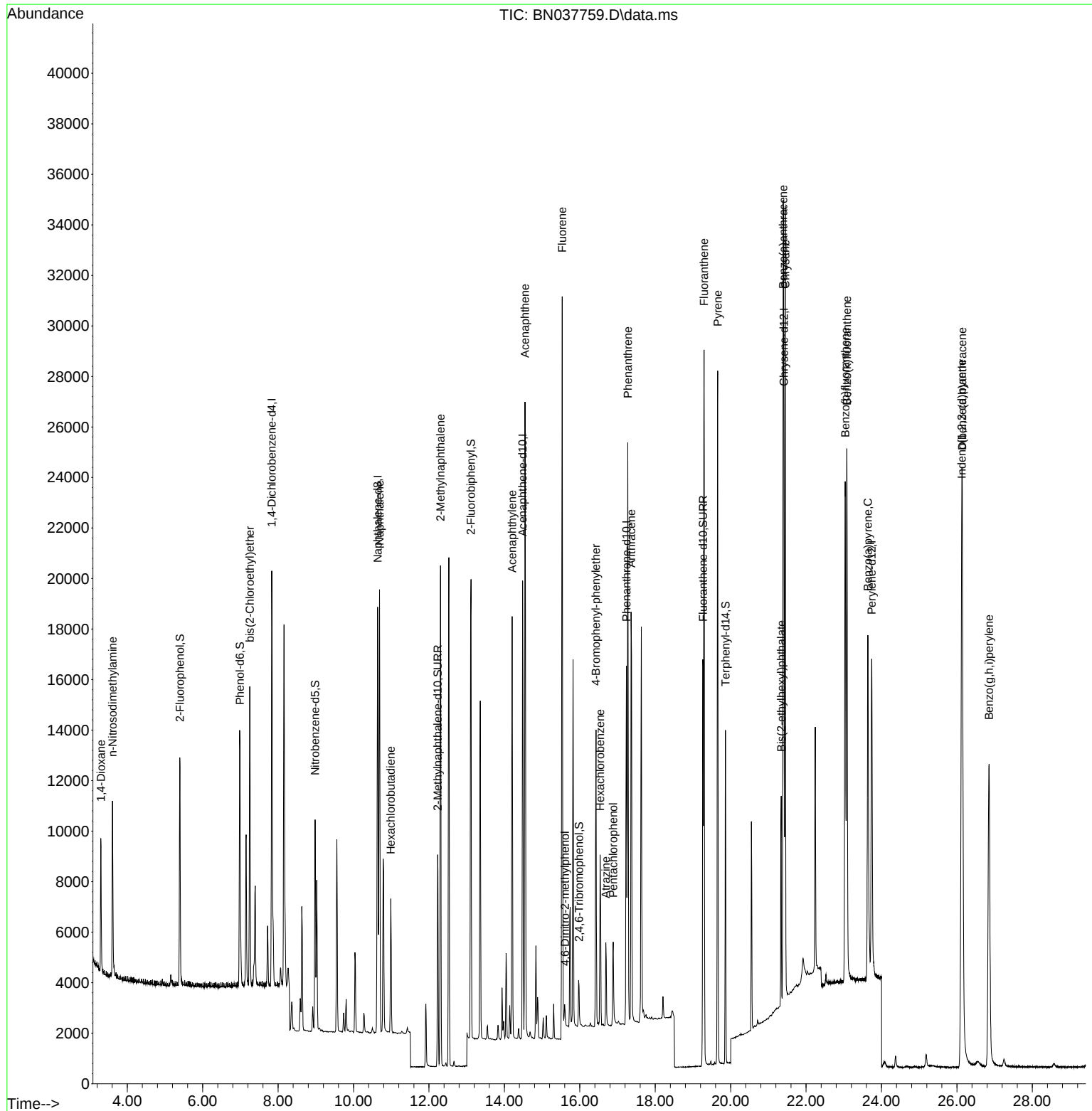
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.833  | 152  | 8012     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.637 | 136  | 21664    | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 14.484 | 164  | 10192    | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.235 | 188  | 18613    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.411 | 240  | 16797    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.741 | 264  | 18043    | 0.400 | ng    | -0.01    |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.399  | 112  | 7521     | 0.409 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.988  | 99   | 9450     | 0.396 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.982  | 82   | 6195     | 0.391 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.233 | 152  | 11065    | 0.386 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 15.982 | 330  | 1222     | 0.460 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.115 | 172  | 16772    | 0.393 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.267 | 212  | 17669    | 0.378 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.861 | 244  | 12341    | 0.362 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.304  | 88   | 3460     | 0.415 | ng    | 95       |
| 3) n-Nitrosodimethylamine     | 3.608  | 42   | 4100     | 0.376 | ng    | 91       |
| 6) bis(2-Chloroethyl)ether    | 7.248  | 93   | 8459     | 0.397 | ng    | 99       |
| 9) Naphthalene                | 10.690 | 128  | 23012    | 0.389 | ng    | 99       |
| 10) Hexachlorobutadiene       | 10.989 | 225  | 4127     | 0.385 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.309 | 142  | 14242    | 0.389 | ng    | 98       |
| 16) Acenaphthylene            | 14.206 | 152  | 17762    | 0.380 | ng    | 99       |
| 17) Acenaphthene              | 14.548 | 154  | 12273    | 0.388 | ng    | 99       |
| 18) Fluorene                  | 15.535 | 166  | 14482    | 0.378 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.609 | 198  | 576      | 0.334 | ng    | 95       |
| 21) 4-Bromophenyl-phenylether | 16.429 | 248  | 4671     | 0.385 | ng    | # 84     |
| 22) Hexachlorobenzene         | 16.540 | 284  | 5435     | 0.389 | ng    | 99       |
| 23) Atrazine                  | 16.689 | 200  | 2899     | 0.375 | ng    | # 92     |
| 24) Pentachlorophenol         | 16.888 | 266  | 1908     | 0.471 | ng    | 98       |
| 25) Phenanthrene              | 17.273 | 178  | 22675    | 0.387 | ng    | 100      |
| 26) Anthracene                | 17.360 | 178  | 19975    | 0.385 | ng    | 99       |
| 28) Fluoranthene              | 19.294 | 202  | 24904    | 0.387 | ng    | 99       |
| 30) Pyrene                    | 19.657 | 202  | 24982    | 0.380 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.393 | 228  | 22983    | 0.392 | ng    | 100      |
| 33) Chrysene                  | 21.447 | 228  | 24936    | 0.397 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.340 | 149  | 7755     | 0.446 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.124 | 276  | 32683    | 0.431 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 23.037 | 252  | 27058    | 0.381 | ng    | 99       |
| 38) Benzo(k)fluoranthene      | 23.084 | 252  | 28281    | 0.390 | ng    | 99       |
| 39) Benzo(a)pyrene            | 23.639 | 252  | 21959    | 0.386 | ng    | 98       |
| 40) Dibenzo(a,h)anthracene    | 26.142 | 278  | 26135    | 0.432 | ng    | 97       |
| 41) Benzo(g,h,i)perylene      | 26.852 | 276  | 27338    | 0.403 | ng    | 97       |

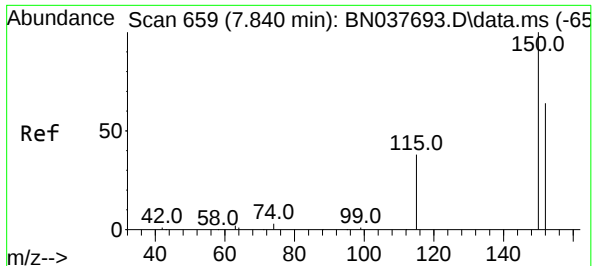
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091725\  
Data File : BN037759.D  
Acq On : 18 Sep 2025 02:46  
Operator : RC/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

Quant Time: Sep 18 05:02:26 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 11 14:20:01 2025  
Response via : Initial Calibration

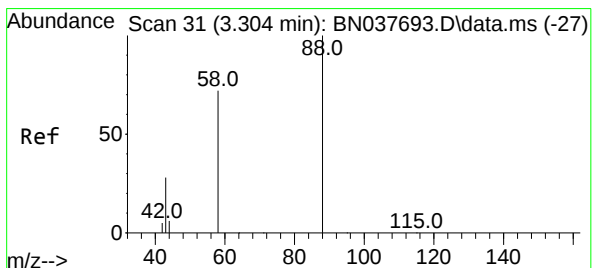
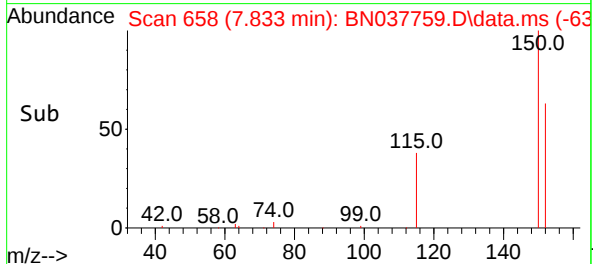
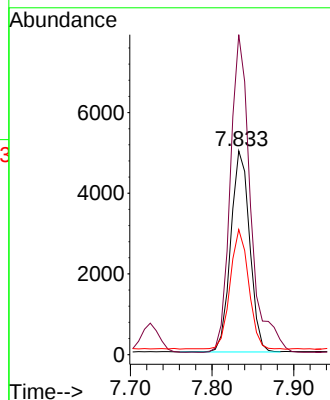
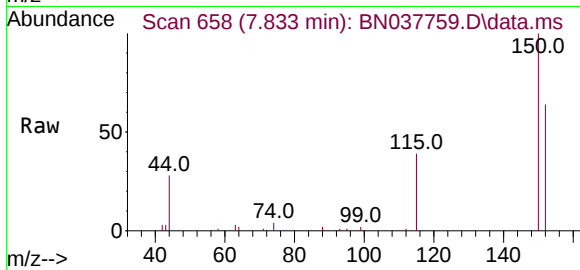




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.833 min Scan# 61  
Delta R.T. -0.007 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

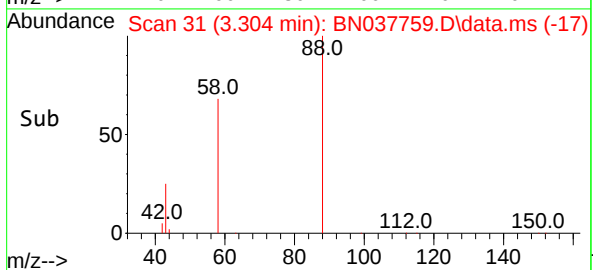
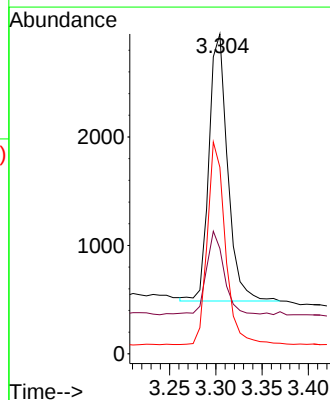
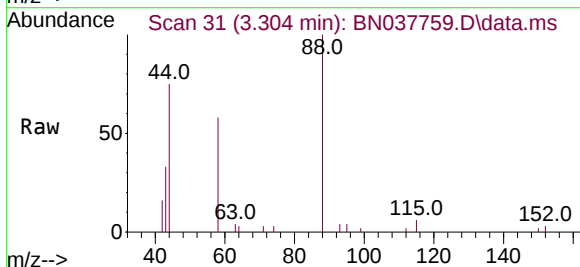
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

Tgt Ion:152 Resp: 8012  
Ion Ratio Lower Upper  
152 100  
150 157.1 124.5 186.7  
115 61.4 49.2 73.8

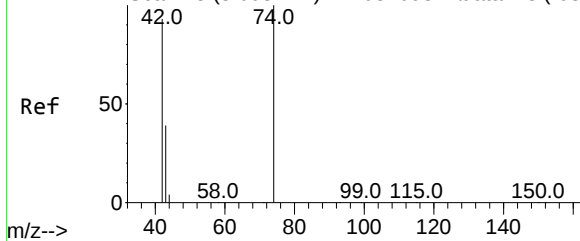


#2  
1,4-Dioxane  
Concen: 0.415 ng  
RT: 3.304 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

Tgt Ion: 88 Resp: 3460  
Ion Ratio Lower Upper  
88 100  
43 29.8 26.8 40.2  
58 73.4 61.9 92.9



Abundance Scan 73 (3.608 min): BN037693.D\data.ms (-68)



#3

n-Nitrosodimethylamine

Concen: 0.376 ng

RT: 3.608 min Scan# 73

Delta R.T. -0.000 min

Lab File: BN037759.D

Acq: 18 Sep 2025 02:46

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

Tgt Ion: 42 Resp: 4100

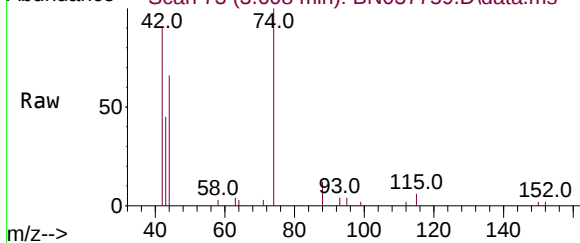
Ion Ratio Lower Upper

42 100

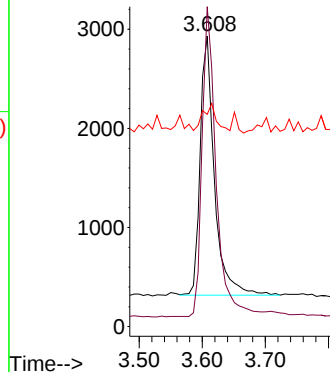
74 117.7 86.0 129.0

44 9.8 8.4 12.6

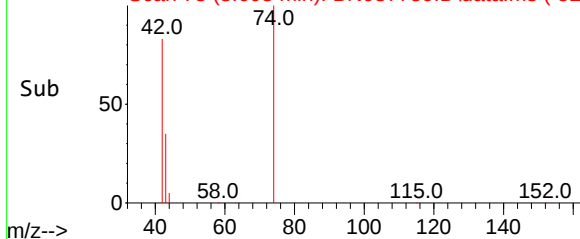
Abundance Scan 73 (3.608 min): BN037759.D\data.ms



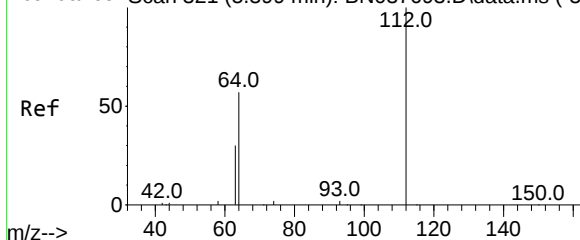
Abundance



Abundance Scan 73 (3.608 min): BN037759.D\data.ms (-52)



Abundance Scan 321 (5.399 min): BN037693.D\data.ms (-30)



#4

2-Fluorophenol

Concen: 0.409 ng

RT: 5.399 min Scan# 321

Delta R.T. -0.000 min

Lab File: BN037759.D

Acq: 18 Sep 2025 02:46

Tgt Ion: 112 Resp: 7521

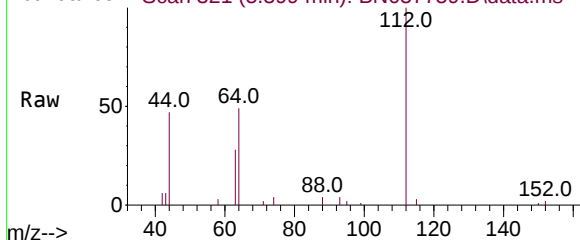
Ion Ratio Lower Upper

112 100

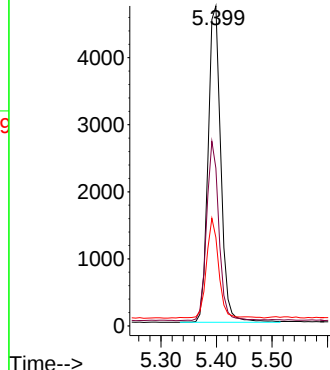
64 54.9 44.9 67.3

63 29.9 24.7 37.1

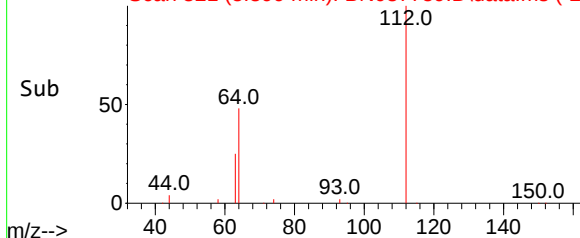
Abundance Scan 321 (5.399 min): BN037759.D\data.ms

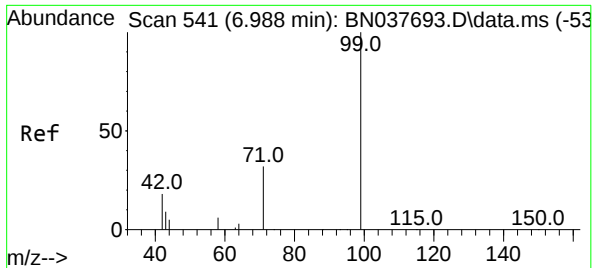


Abundance



Abundance Scan 321 (5.399 min): BN037759.D\data.ms (-29)

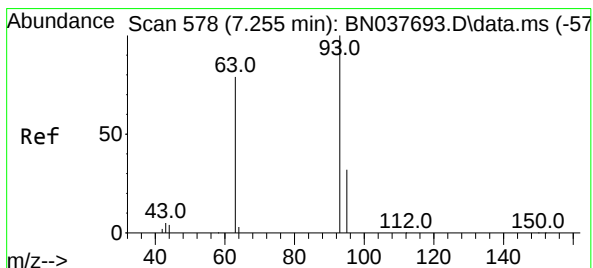
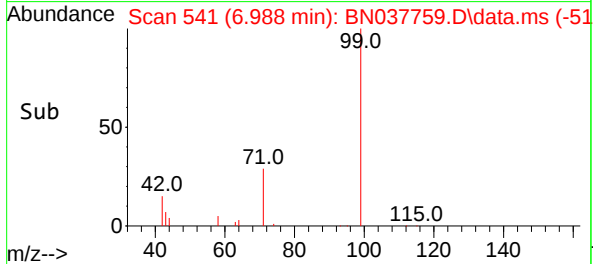
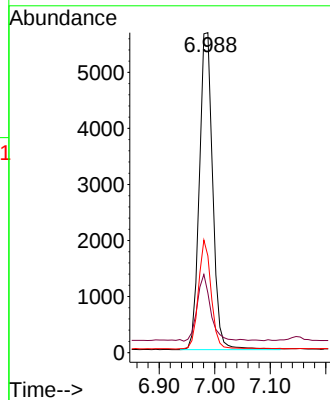
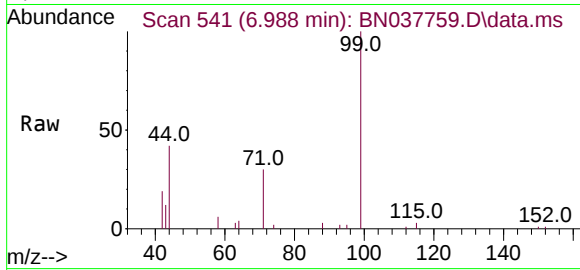




#5  
Phenol-d6  
Concen: 0.396 ng  
RT: 6.988 min Scan# 541  
Delta R.T. -0.000 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

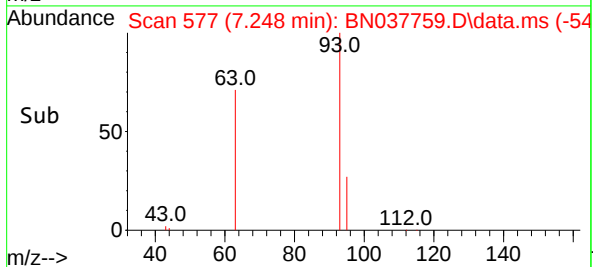
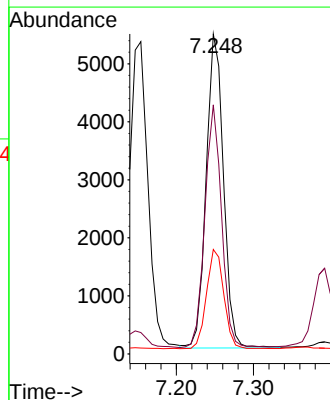
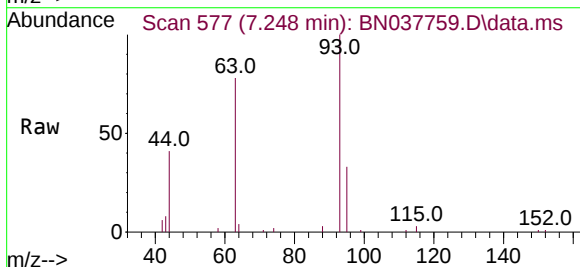
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

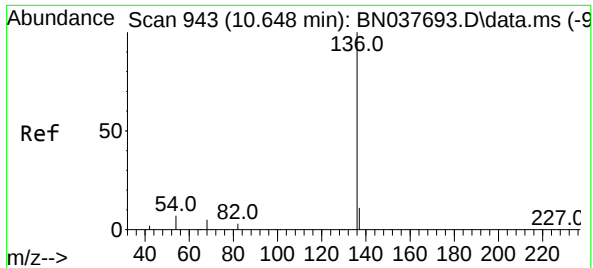
Tgt Ion: 99 Resp: 9450  
Ion Ratio Lower Upper  
99 100  
42 21.0 16.6 24.8  
71 32.7 26.7 40.1



#6  
bis(2-Chloroethyl)ether  
Concen: 0.397 ng  
RT: 7.248 min Scan# 577  
Delta R.T. -0.007 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

Tgt Ion: 93 Resp: 8459  
Ion Ratio Lower Upper  
93 100  
63 74.5 60.6 90.8  
95 31.6 26.0 39.0

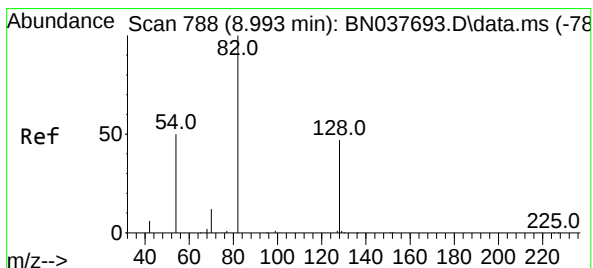
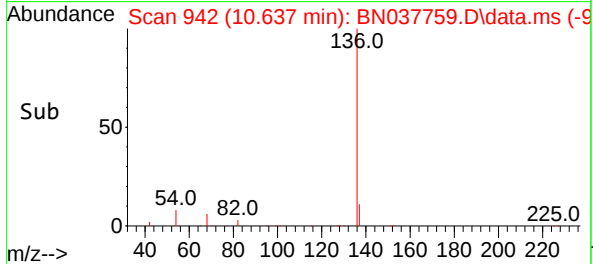
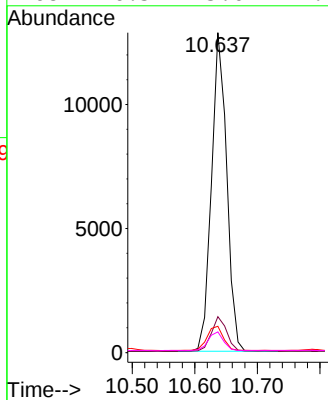
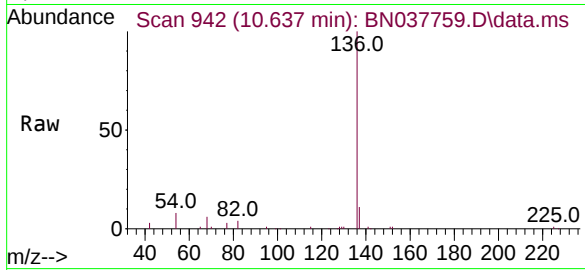




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.637 min Scan# 94  
Delta R.T. -0.011 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

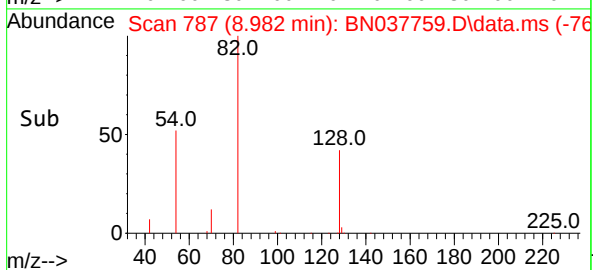
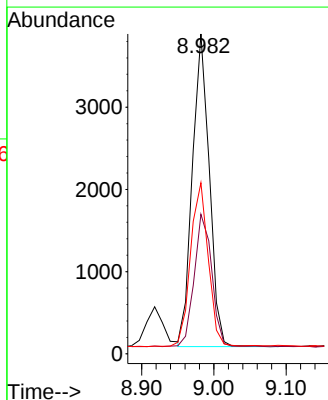
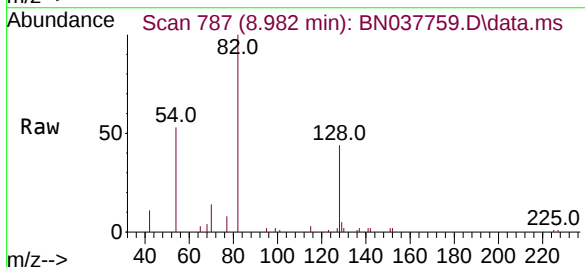
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

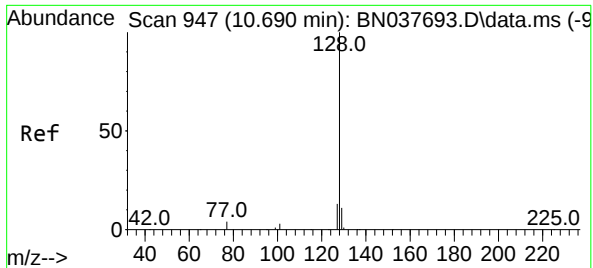
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 21664 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.2  | 9.1   | 13.7  |
| 54        | 8.2   | 6.3   | 9.5   |
| 68        | 6.5   | 5.0   | 7.4   |



#8  
Nitrobenzene-d5  
Concen: 0.391 ng  
RT: 8.982 min Scan# 787  
Delta R.T. -0.011 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 6195 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 43.6  | 38.3  | 57.5 |
| 54        | 53.5  | 41.4  | 62.2 |

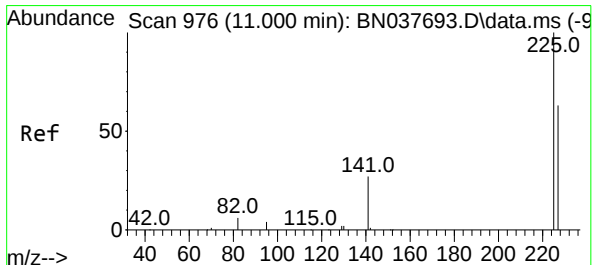
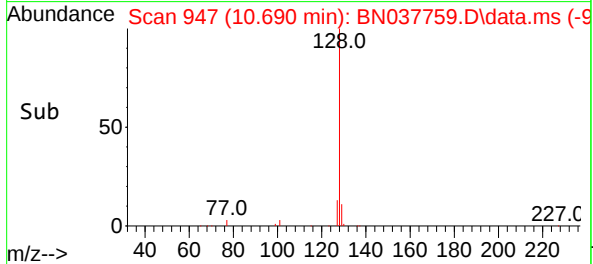
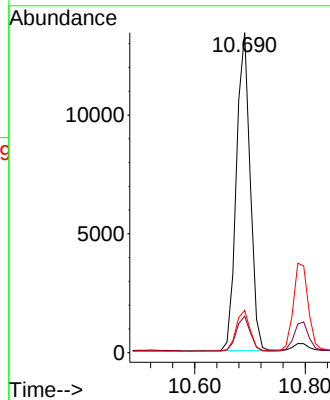
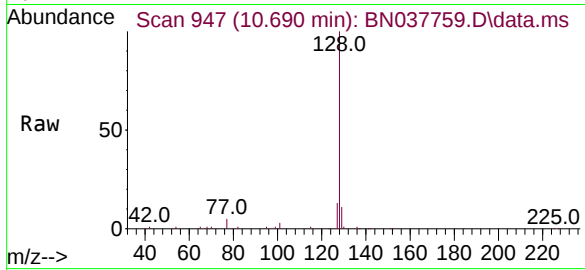




#9  
Naphthalene  
Concen: 0.389 ng  
RT: 10.690 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

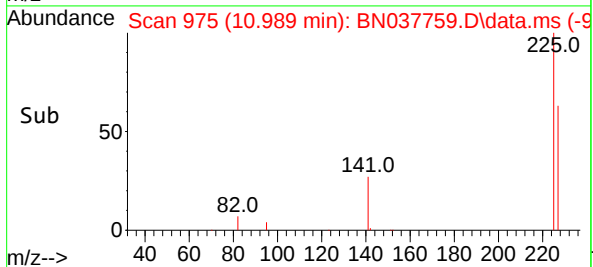
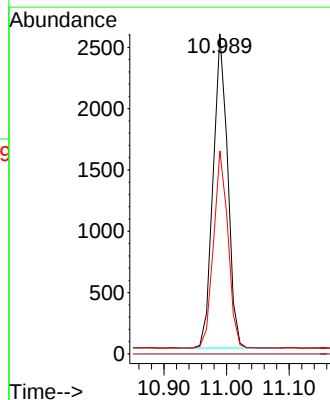
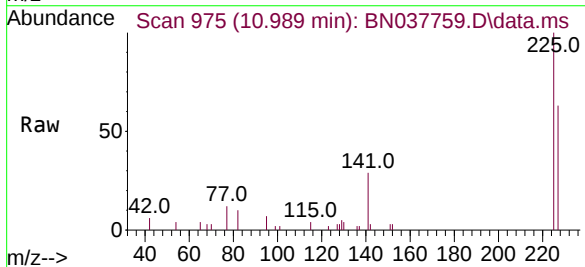
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

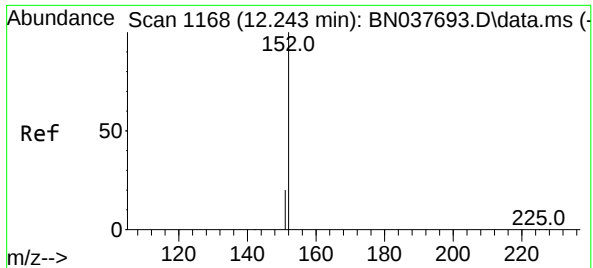
Tgt Ion:128 Resp: 23012  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.1 13.7  
127 13.2 10.9 16.3



#10  
Hexachlorobutadiene  
Concen: 0.385 ng  
RT: 10.989 min Scan# 975  
Delta R.T. -0.011 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

Tgt Ion:225 Resp: 4127  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 62.6 50.9 76.3

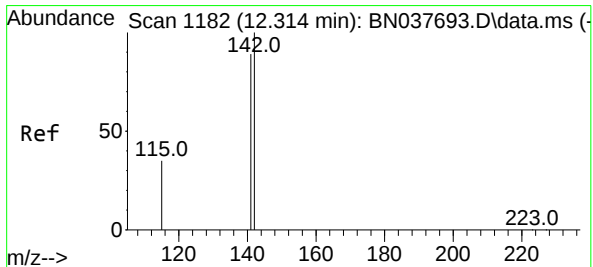
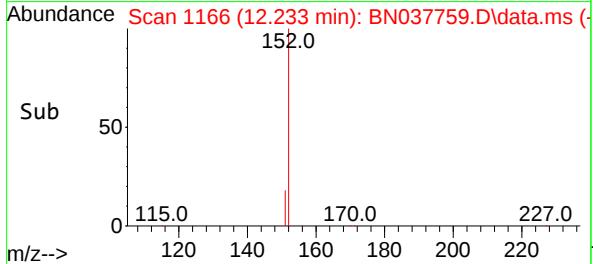
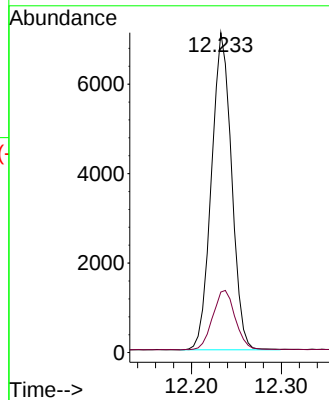
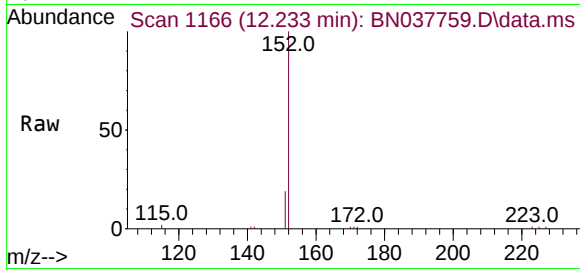




#11  
2-Methylnaphthalene-d10  
Concen: 0.386 ng  
RT: 12.233 min Scan# 1166  
Delta R.T. -0.010 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

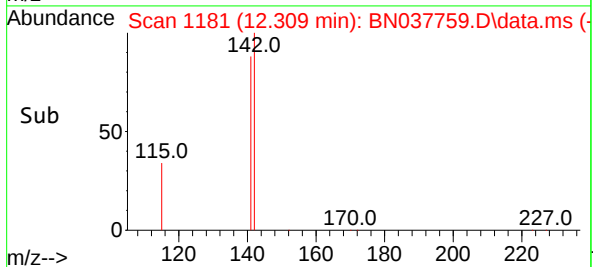
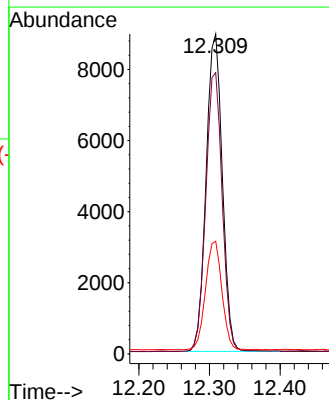
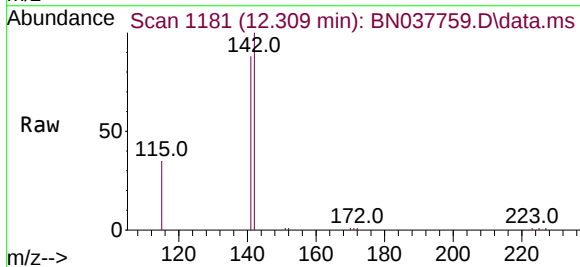
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

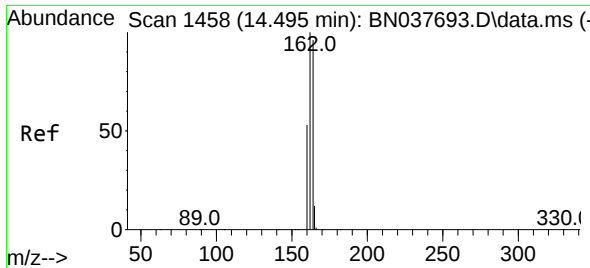
Tgt Ion:152 Resp: 11065  
Ion Ratio Lower Upper  
152 100  
151 20.9 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 0.389 ng  
RT: 12.309 min Scan# 1181  
Delta R.T. -0.005 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

Tgt Ion:142 Resp: 14242  
Ion Ratio Lower Upper  
142 100  
141 87.9 71.6 107.4  
115 35.2 28.6 43.0

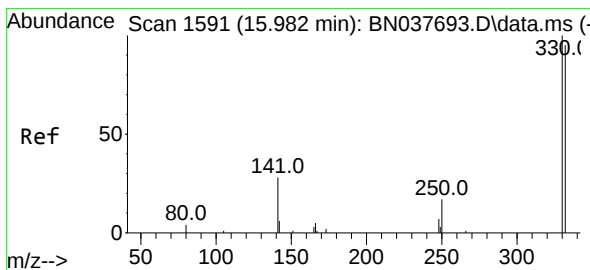
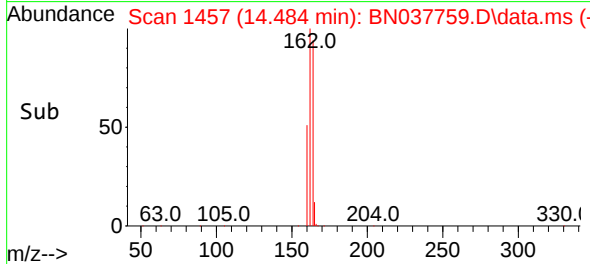
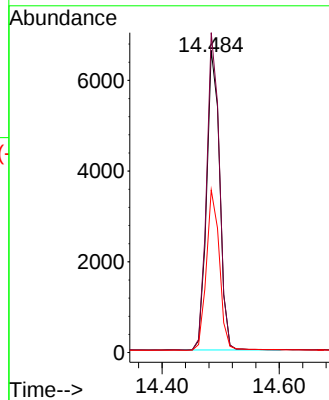
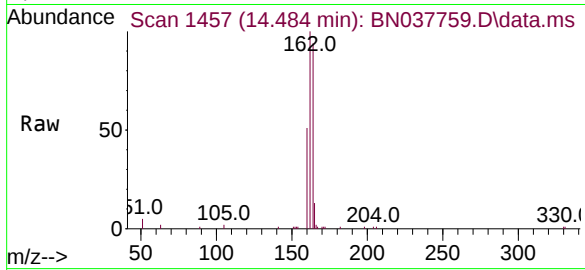




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.484 min Scan# 1457  
Delta R.T. -0.011 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

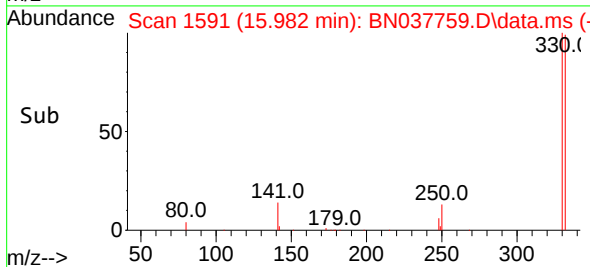
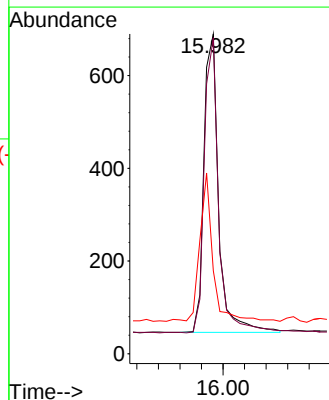
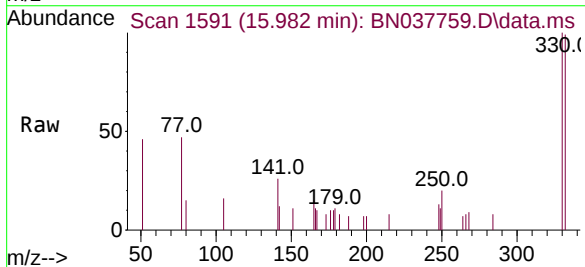
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

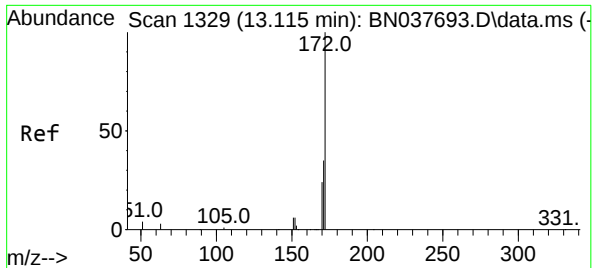
| Tgt Ion   | 164   | Resp  | 10192 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 105.9 | 83.1  | 124.7 |
| 160       | 53.8  | 44.3  | 66.5  |



#14  
2,4,6-Tribromophenol  
Concen: 0.460 ng  
RT: 15.982 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

| Tgt Ion   | 330   | Resp  | 1222  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 330       | 100   |       |       |
| 332       | 96.4  | 75.3  | 112.9 |
| 141       | 43.6  | 35.0  | 52.4  |

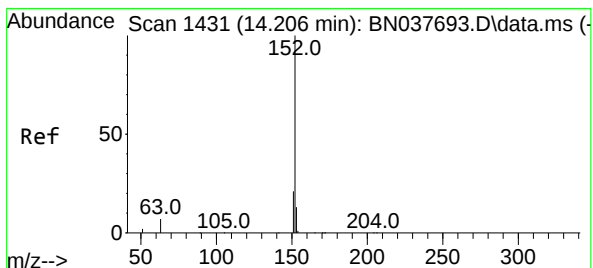
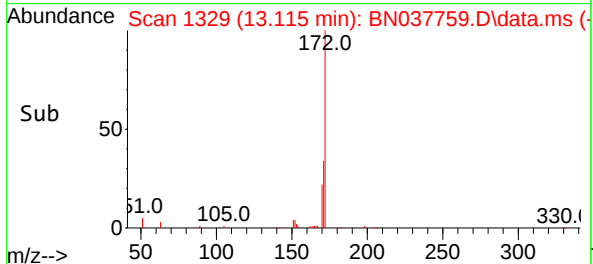
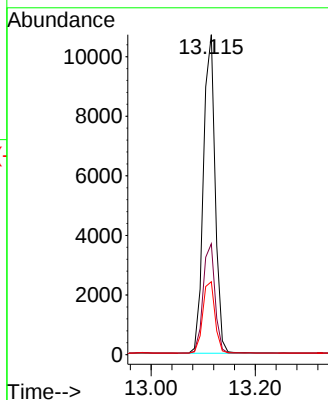
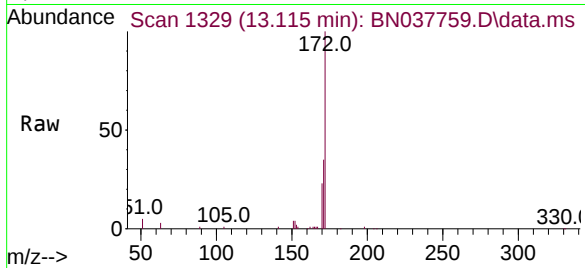




#15  
2-Fluorobiphenyl  
Concen: 0.393 ng  
RT: 13.115 min Scan# 1329  
Delta R.T. -0.000 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

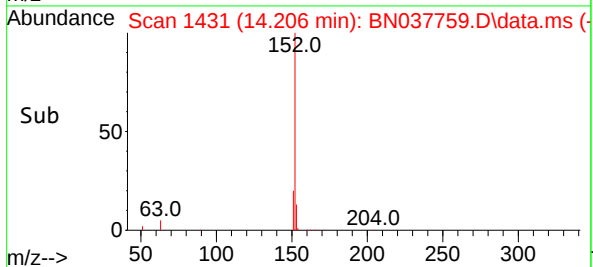
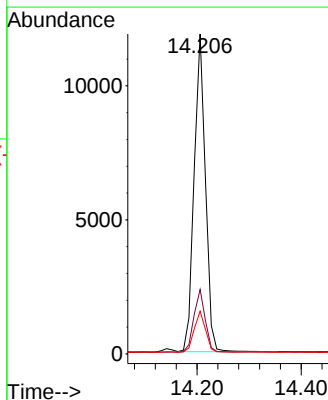
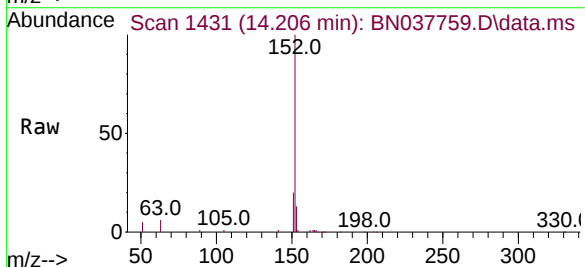
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

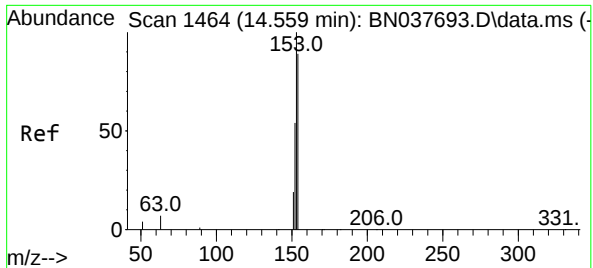
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.6  | 28.6  | 43.0  |
| 170     | 22.8  | 19.8  | 29.8  |



#16  
Acenaphthylene  
Concen: 0.380 ng  
RT: 14.206 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.7  | 16.2  | 24.2  |
| 153     | 12.9  | 10.4  | 15.6  |

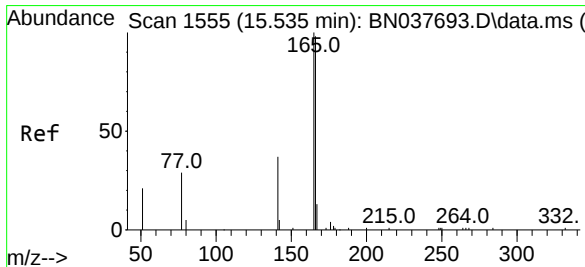
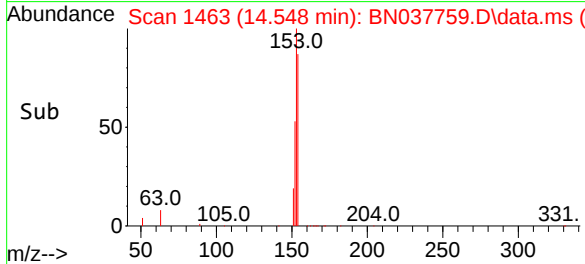
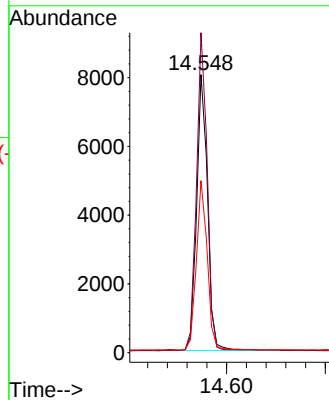
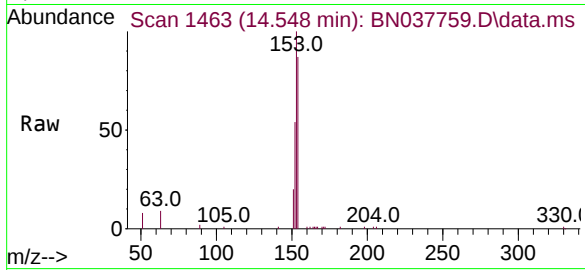




#17  
Acenaphthene  
Concen: 0.388 ng  
RT: 14.548 min Scan# 1463  
Delta R.T. -0.011 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

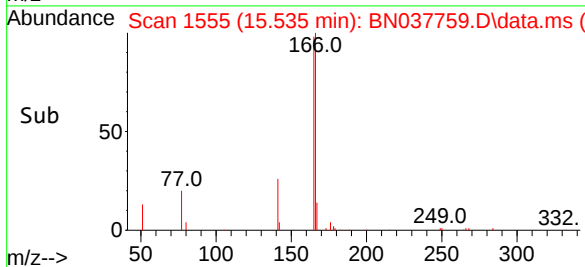
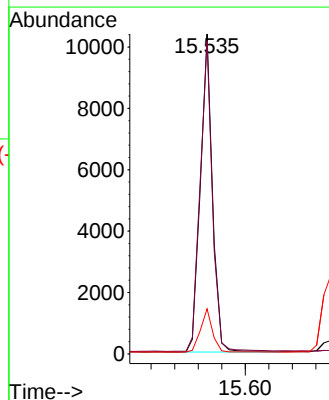
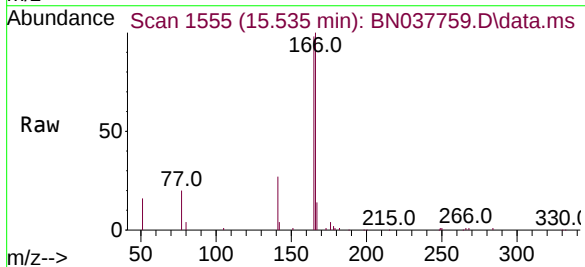
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

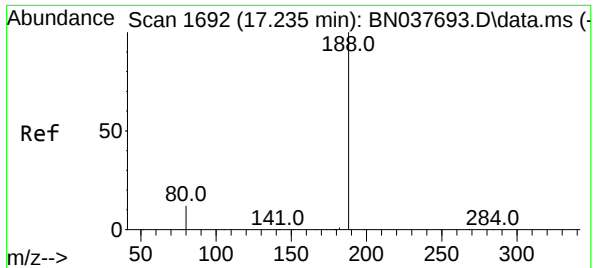
Tgt Ion:154 Resp: 12273  
Ion Ratio Lower Upper  
154 100  
153 112.9 89.8 134.8  
152 61.6 50.2 75.2



#18  
Fluorene  
Concen: 0.378 ng  
RT: 15.535 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

Tgt Ion:166 Resp: 14482  
Ion Ratio Lower Upper  
166 100  
165 98.0 79.6 119.4  
167 13.5 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.235 min Scan# 1692

Delta R.T. -0.000 min

Lab File: BN037759.D

Acq: 18 Sep 2025 02:46

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

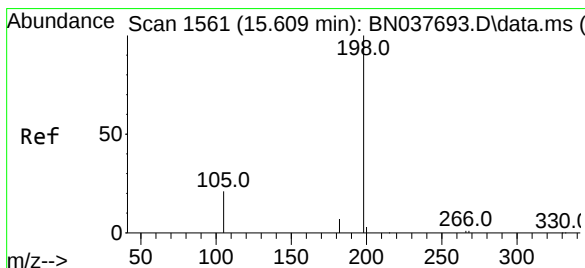
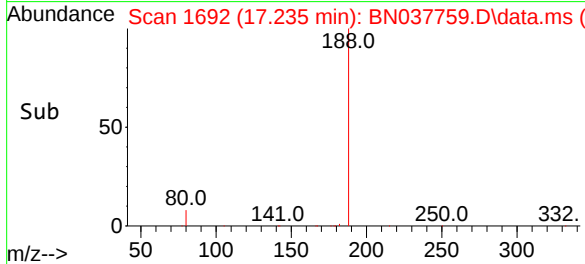
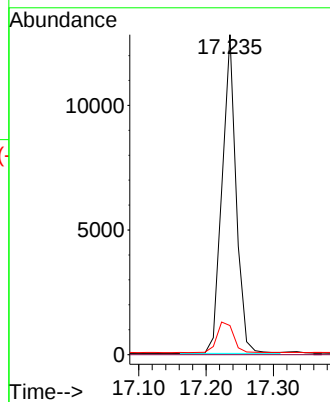
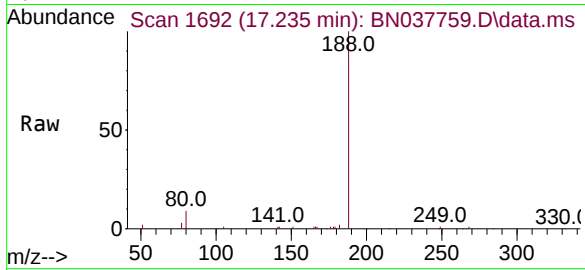
Tgt Ion:188 Resp: 18613

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.1 10.6 15.8#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.334 ng

RT: 15.609 min Scan# 1561

Delta R.T. 0.000 min

Lab File: BN037759.D

Acq: 18 Sep 2025 02:46

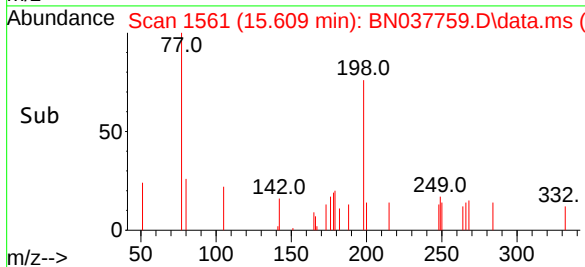
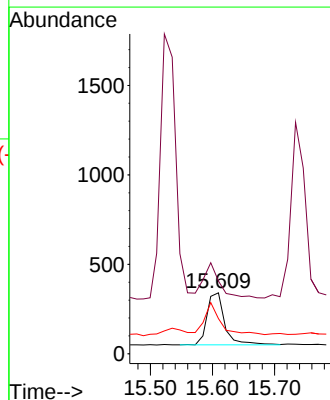
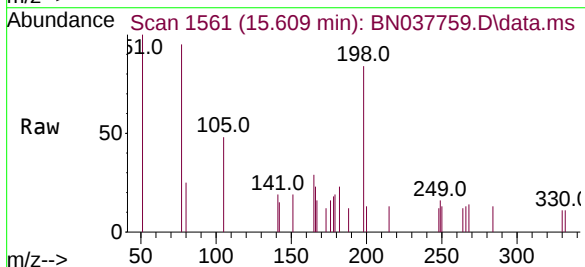
Tgt Ion:198 Resp: 576

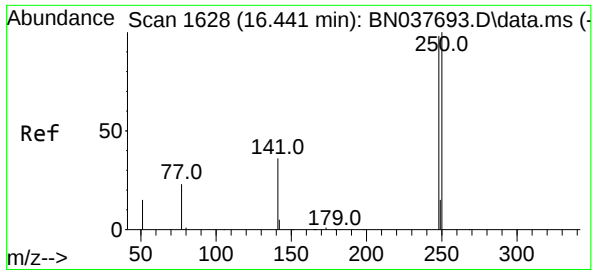
Ion Ratio Lower Upper

198 100

51 119.4 95.1 142.7

105 57.8 53.8 80.6

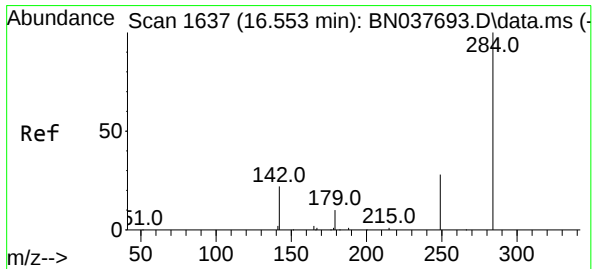
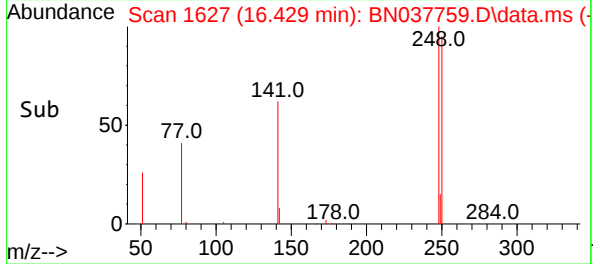
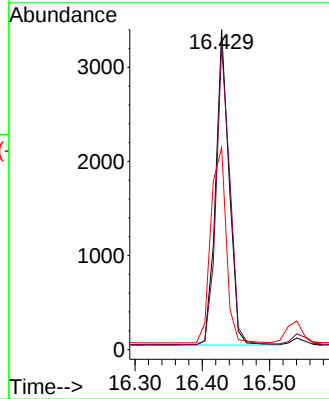
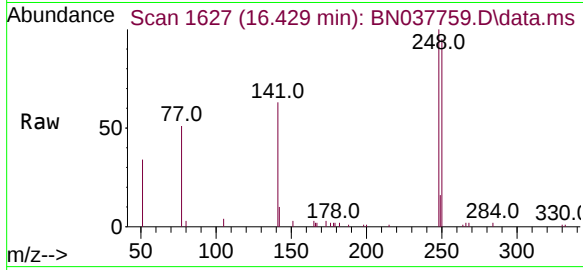




#21  
4-Bromophenyl-phenylether  
Concen: 0.385 ng  
RT: 16.429 min Scan# 1627  
Delta R.T. -0.012 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

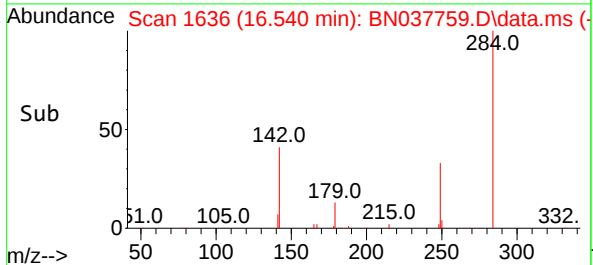
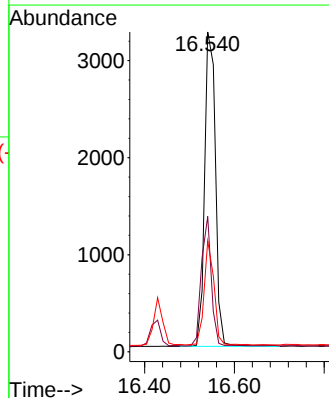
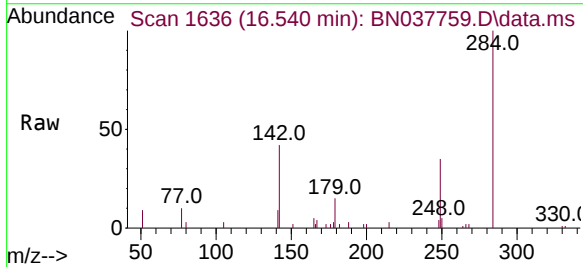
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

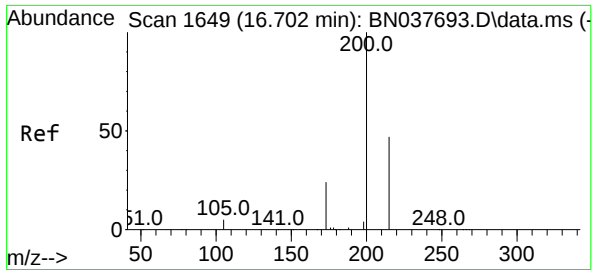
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 95.1  | 81.5  | 122.3 |
| 141     | 63.2  | 30.8  | 46.2  |



#22  
Hexachlorobenzene  
Concen: 0.389 ng  
RT: 16.540 min Scan# 1636  
Delta R.T. -0.012 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 37.7  | 30.9  | 46.3  |
| 249     | 30.2  | 24.8  | 37.2  |

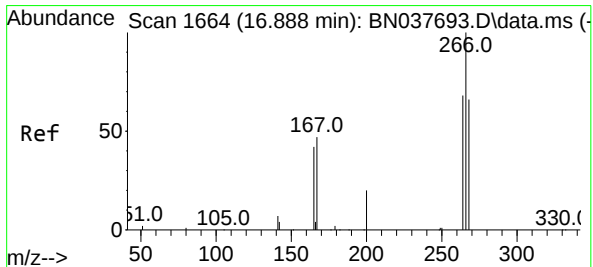
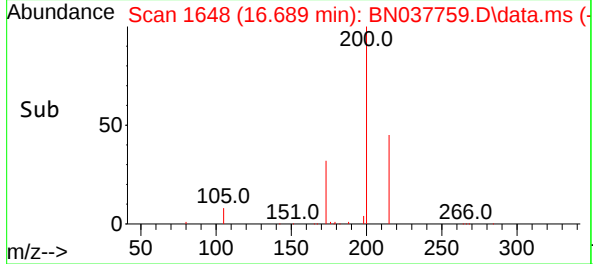
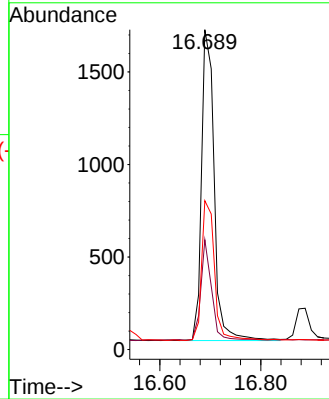
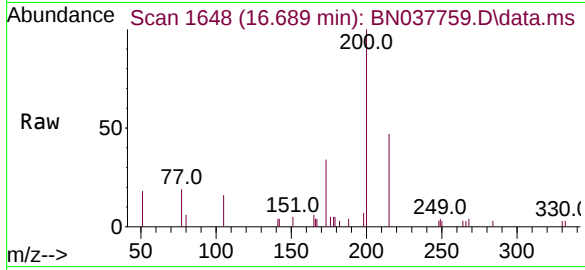




#23  
Atrazine  
Concen: 0.375 ng  
RT: 16.689 min Scan# 1648  
Delta R.T. -0.012 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

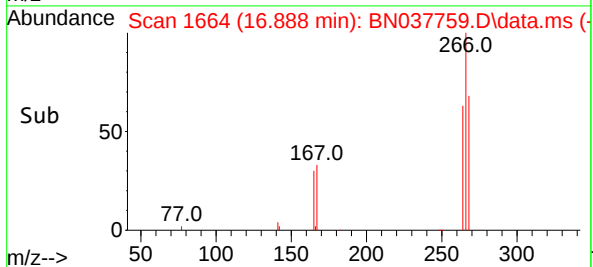
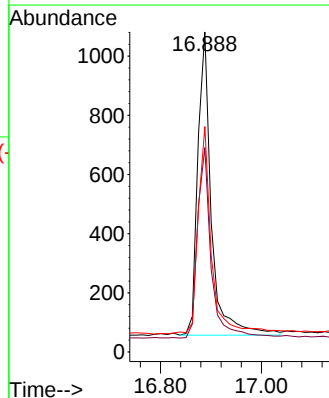
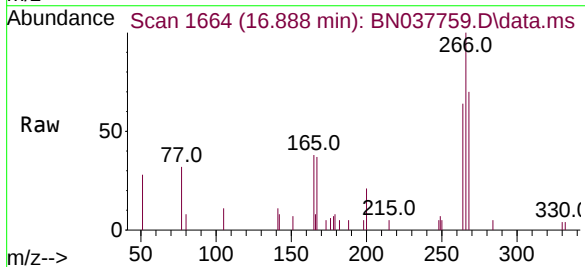
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

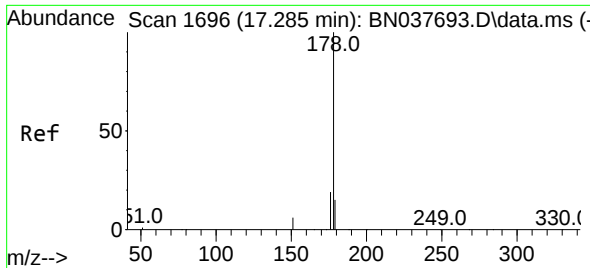
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 34.3  | 21.4  | 32.2# |
| 215     | 46.5  | 39.2  | 58.8  |



#24  
Pentachlorophenol  
Concen: 0.471 ng  
RT: 16.888 min Scan# 1664  
Delta R.T. -0.000 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 264     | 63.5  | 51.6  | 77.4  |
| 268     | 68.8  | 53.2  | 79.8  |

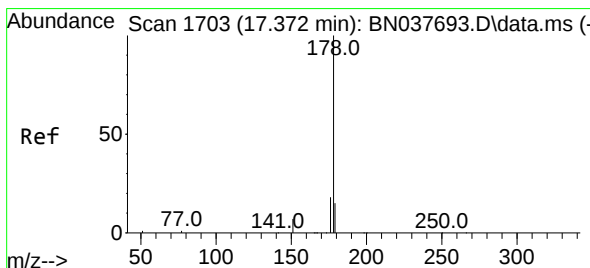
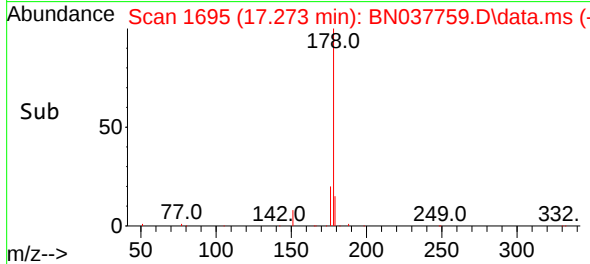
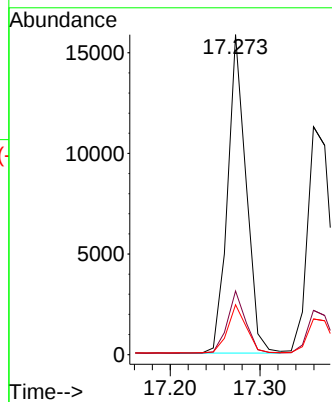
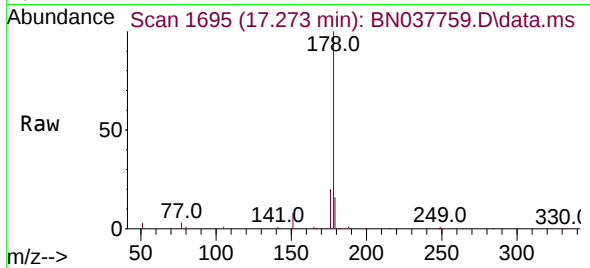




#25  
Phenanthrene  
Concen: 0.387 ng  
RT: 17.273 min Scan# 1695  
Delta R.T. -0.012 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

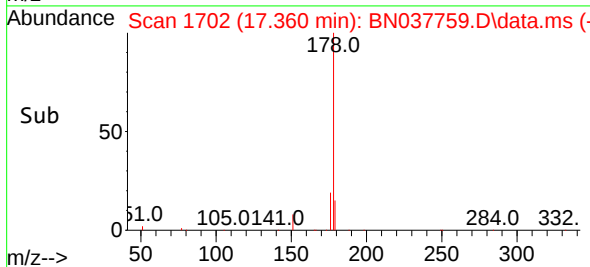
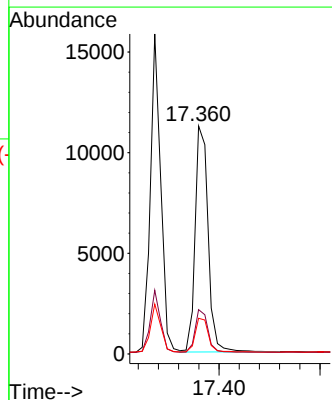
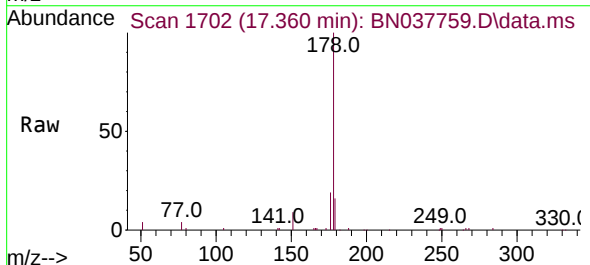
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

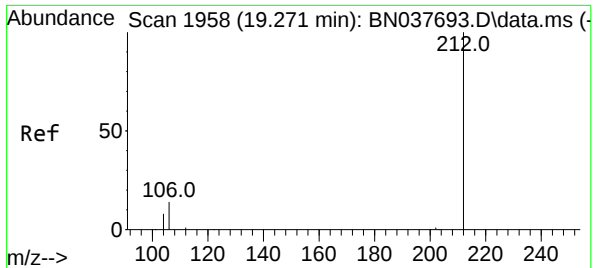
| Tgt Ion   | 178   | 176  | 179  |
|-----------|-------|------|------|
| Resp:     | 22675 |      |      |
| Ion Ratio | 100   | 19.3 | 15.5 |
| Lower     |       | 15.3 | 12.2 |
| Upper     |       | 22.9 | 18.2 |



#26  
Anthracene  
Concen: 0.385 ng  
RT: 17.360 min Scan# 1702  
Delta R.T. -0.012 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

| Tgt Ion   | 178   | 176  | 179  |
|-----------|-------|------|------|
| Resp:     | 19975 |      |      |
| Ion Ratio | 100   | 18.6 | 15.5 |
| Lower     |       | 14.6 | 12.2 |
| Upper     |       | 22.0 | 18.4 |





#27

Fluoranthene-d10

Concen: 0.378 ng

RT: 19.267 min Scan# 1958

Delta R.T. -0.005 min

Lab File: BN037759.D

Acq: 18 Sep 2025 02:46

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

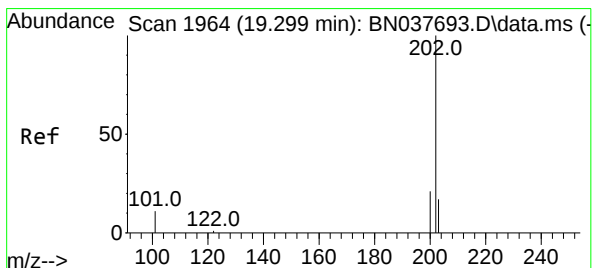
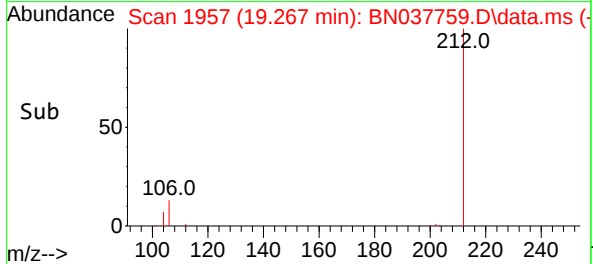
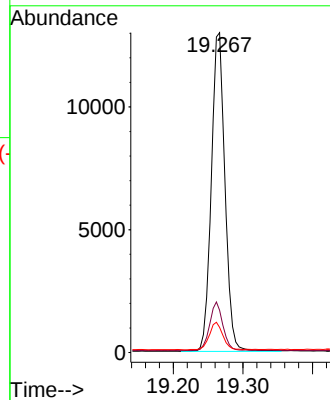
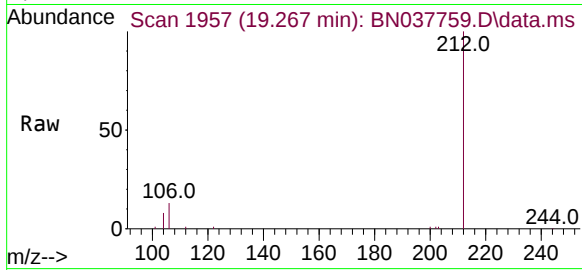
Tgt Ion:212 Resp: 17669

Ion Ratio Lower Upper

212 100

106 14.8 12.2 18.2

104 8.6 6.9 10.3



#28

Fluoranthene

Concen: 0.387 ng

RT: 19.294 min Scan# 1963

Delta R.T. -0.005 min

Lab File: BN037759.D

Acq: 18 Sep 2025 02:46

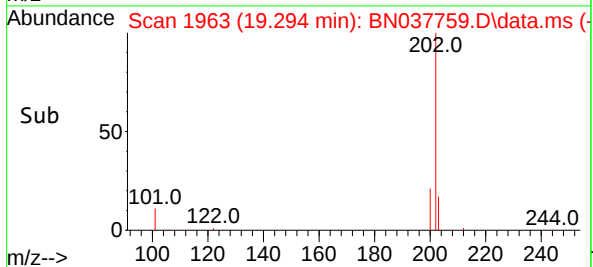
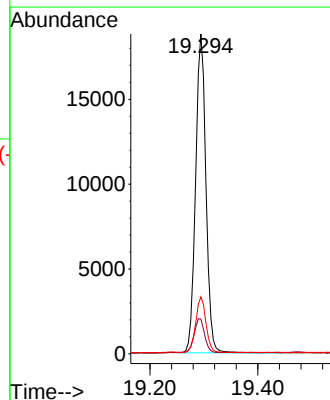
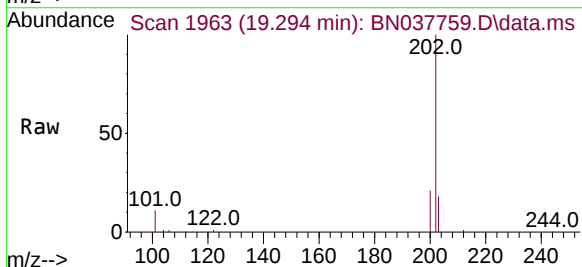
Tgt Ion:202 Resp: 24904

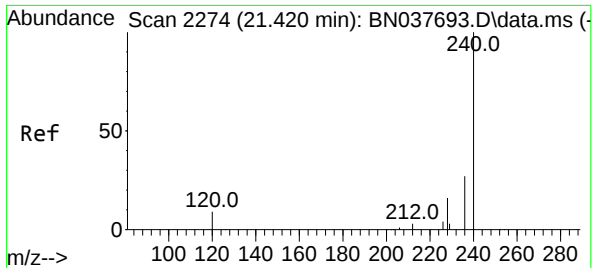
Ion Ratio Lower Upper

202 100

101 11.1 9.3 13.9

203 17.2 13.7 20.5

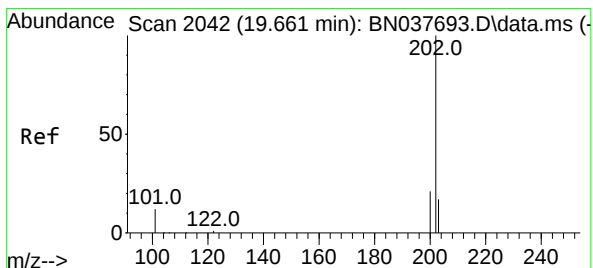
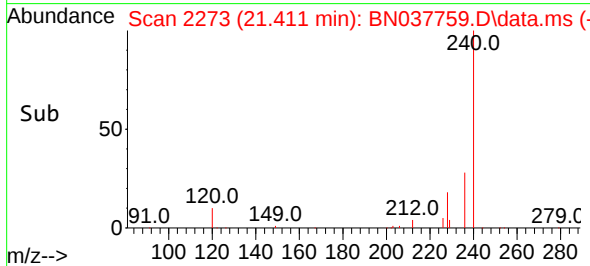
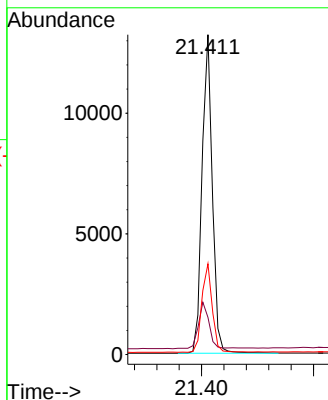
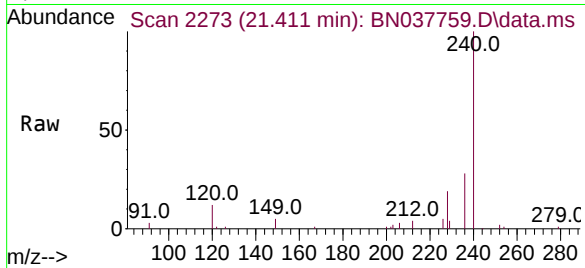




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.411 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

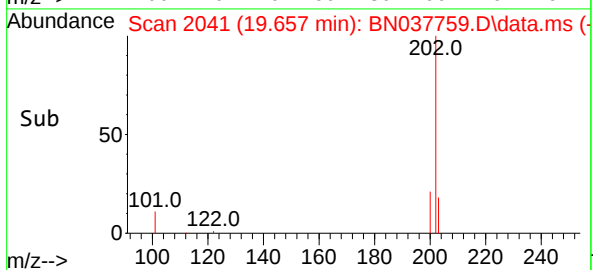
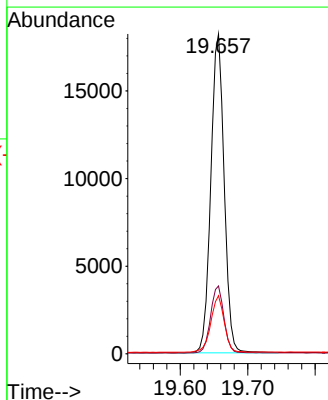
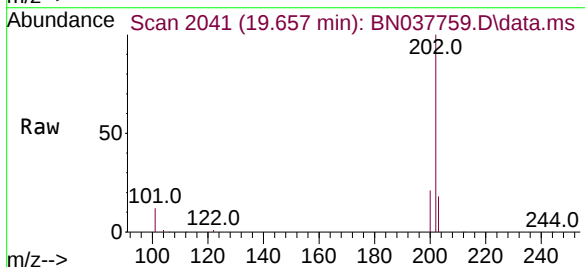
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

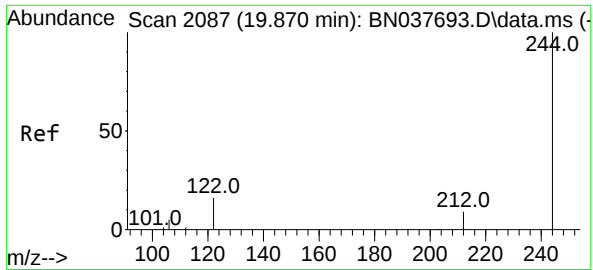
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.6  | 9.2   | 13.8  |
| 236     | 28.4  | 22.6  | 33.8  |



#30  
Pyrene  
Concen: 0.380 ng  
RT: 19.657 min Scan# 2041  
Delta R.T. -0.005 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.1  | 16.8  | 25.2  |
| 203     | 17.8  | 14.3  | 21.5  |

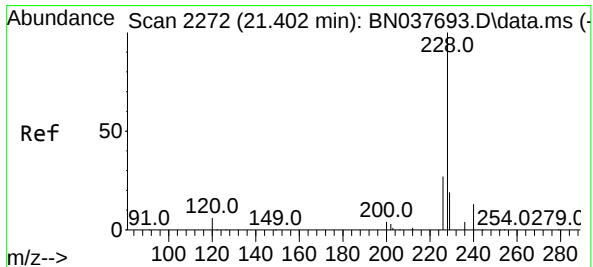
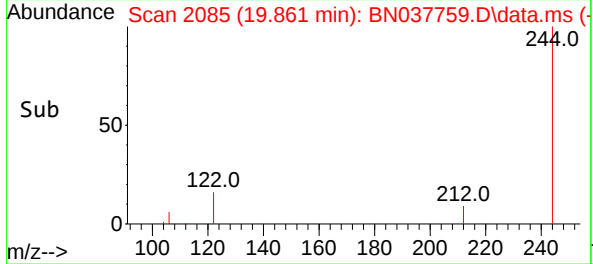
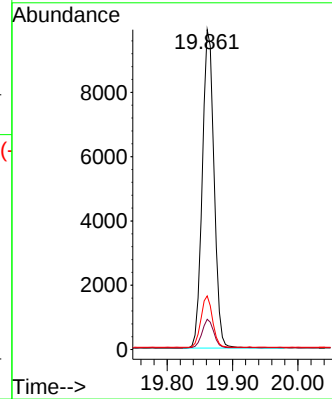
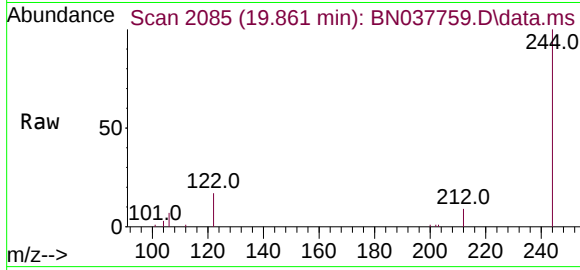




#31  
Terphenyl-d14  
Concen: 0.362 ng  
RT: 19.861 min Scan# 2085  
Delta R.T. -0.009 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

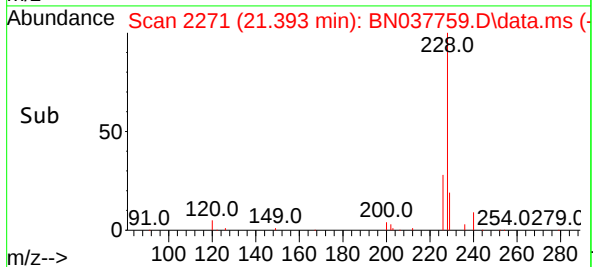
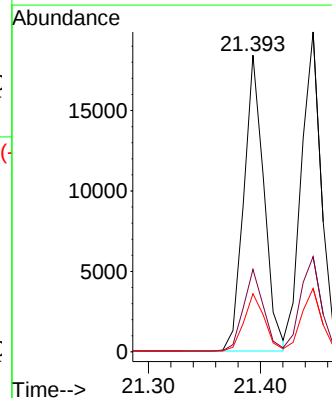
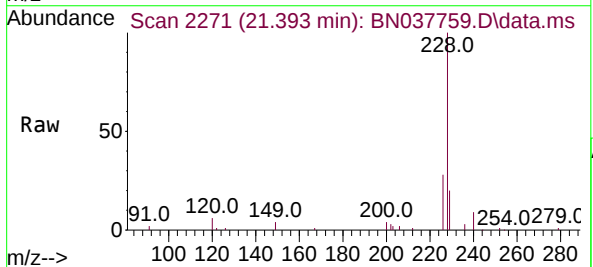
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

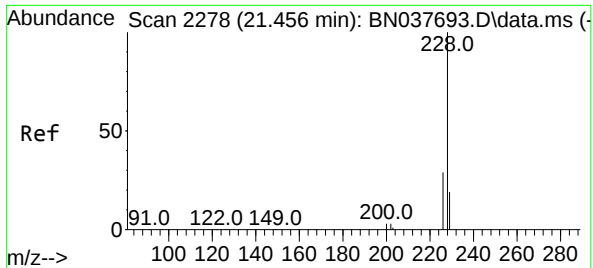
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.5   | 7.5   | 11.3  |
| 122     | 16.8  | 13.2  | 19.8  |



#32  
Benzo(a)anthracene  
Concen: 0.392 ng  
RT: 21.393 min Scan# 2271  
Delta R.T. -0.009 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.8  | 22.2  | 33.2  |
| 229     | 19.6  | 15.8  | 23.6  |





#33

Chrysene

Concen: 0.397 ng

RT: 21.447 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037759.D

Acq: 18 Sep 2025 02:46

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

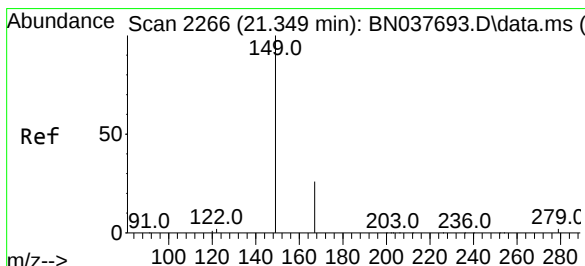
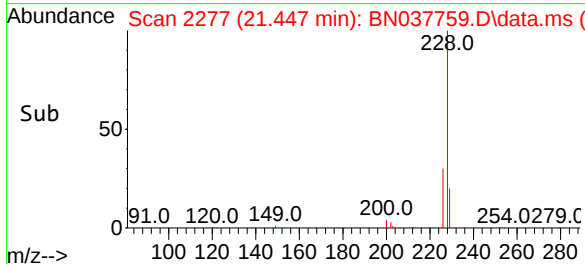
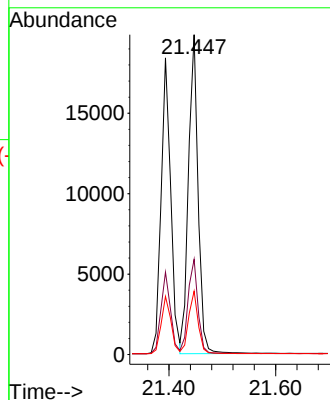
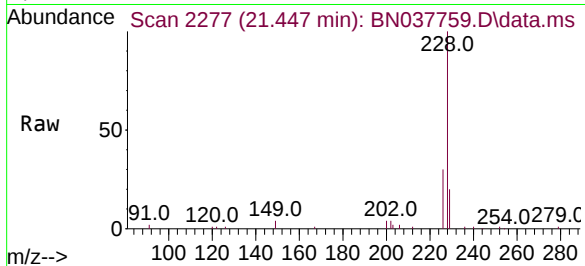
Tgt Ion:228 Resp: 24936

Ion Ratio Lower Upper

228 100

226 29.8 23.5 35.3

229 19.8 15.9 23.9



#34

Bis(2-ethylhexyl)phthalate

Concen: 0.446 ng

RT: 21.340 min Scan# 2265

Delta R.T. -0.009 min

Lab File: BN037759.D

Acq: 18 Sep 2025 02:46

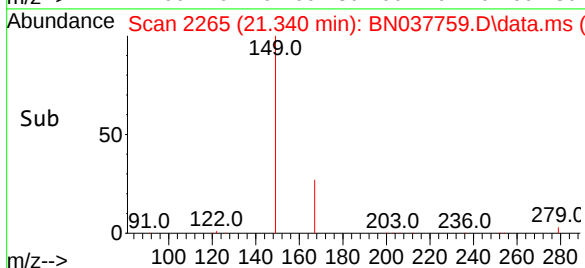
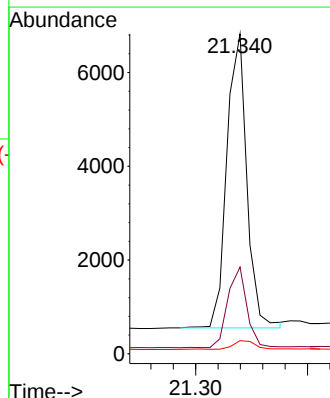
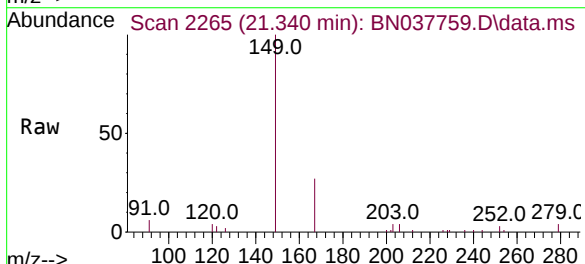
Tgt Ion:149 Resp: 7755

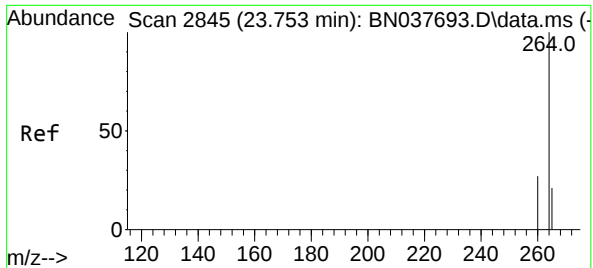
Ion Ratio Lower Upper

149 100

167 26.5 20.8 31.2

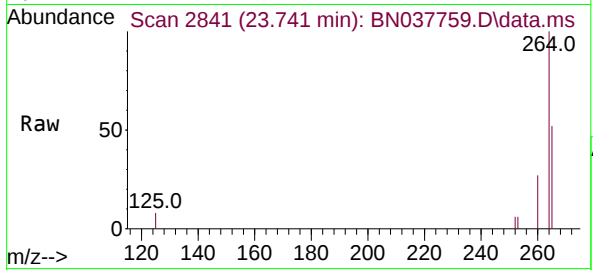
279 3.3 3.3 4.9



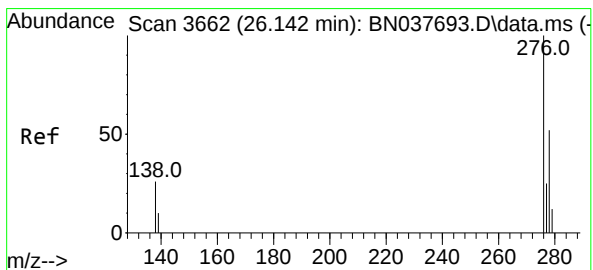
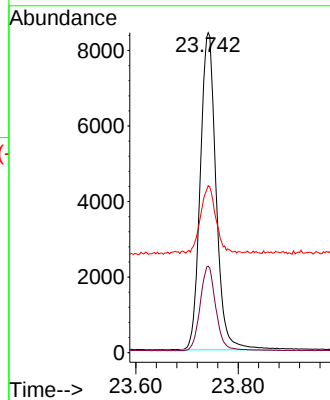


#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.741 min Scan# 2841  
Delta R.T. -0.012 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

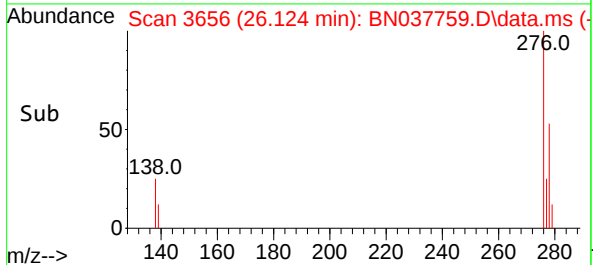
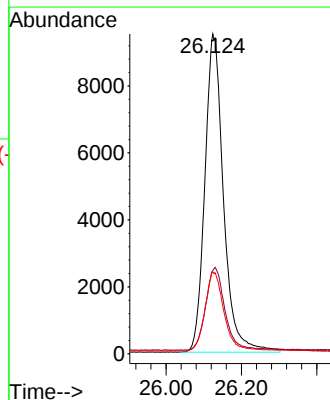
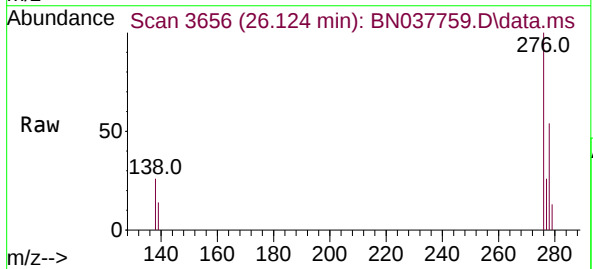


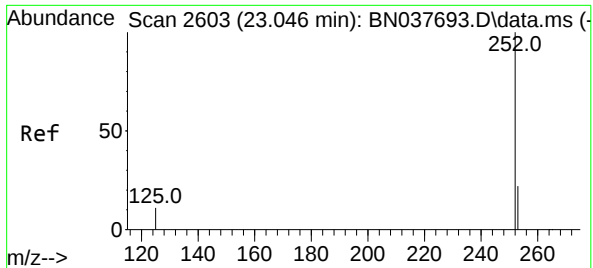
Tgt Ion:264 Resp: 18043  
Ion Ratio Lower Upper  
264 100  
260 27.0 21.8 32.8  
265 52.2 39.4 59.2



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.431 ng  
RT: 26.124 min Scan# 3656  
Delta R.T. -0.018 min  
Lab File: BN037759.D  
Acq: 18 Sep 2025 02:46

Tgt Ion:276 Resp: 32683  
Ion Ratio Lower Upper  
276 100  
138 26.2 21.9 32.9  
277 25.0 20.1 30.1





#37

Benzo(b)fluoranthene

Concen: 0.381 ng

RT: 23.037 min Scan# 2600

Delta R.T. -0.009 min

Lab File: BN037759.D

Acq: 18 Sep 2025 02:46

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

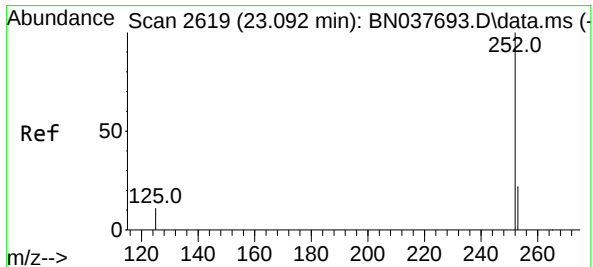
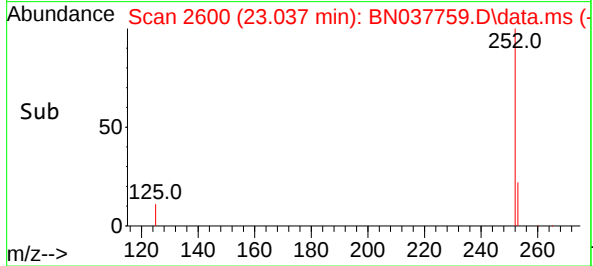
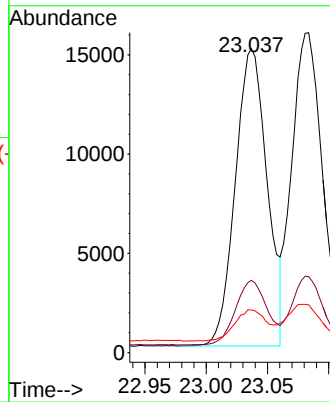
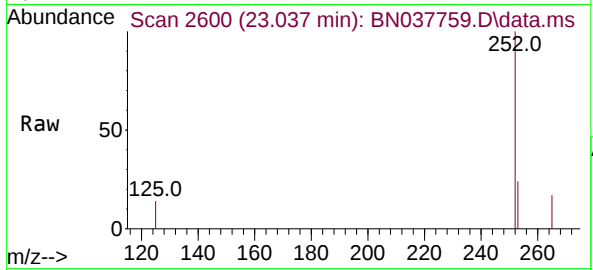
Tgt Ion:252 Resp: 27058

Ion Ratio Lower Upper

252 100

253 23.8 19.4 29.2

125 14.0 11.2 16.8



#38

Benzo(k)fluoranthene

Concen: 0.390 ng

RT: 23.084 min Scan# 2616

Delta R.T. -0.009 min

Lab File: BN037759.D

Acq: 18 Sep 2025 02:46

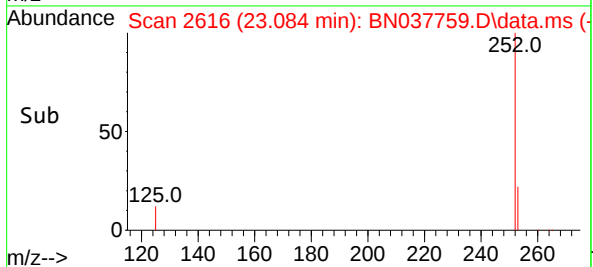
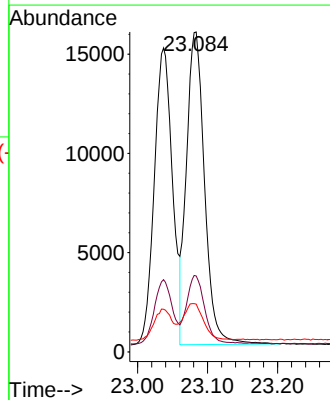
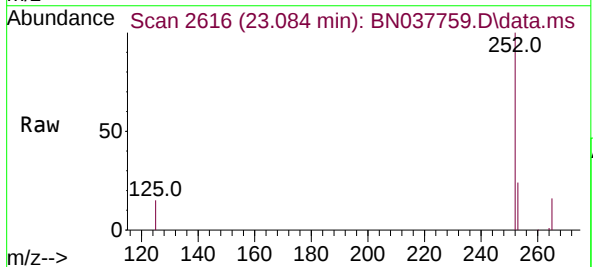
Tgt Ion:252 Resp: 28281

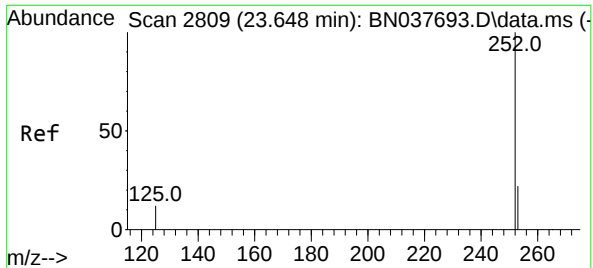
Ion Ratio Lower Upper

252 100

253 23.7 19.4 29.0

125 14.9 11.6 17.4





#39

Benzo(a)pyrene

Concen: 0.386 ng

RT: 23.639 min Scan# 21

Delta R.T. -0.009 min

Lab File: BN037759.D

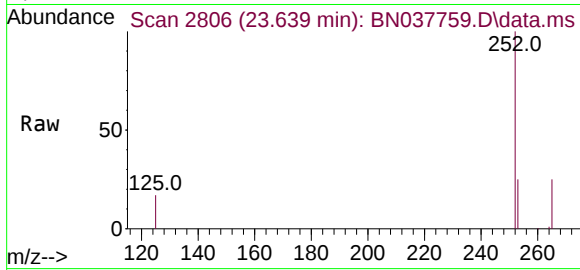
Acq: 18 Sep 2025 02:46

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4



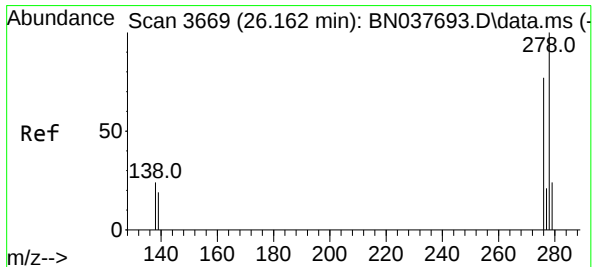
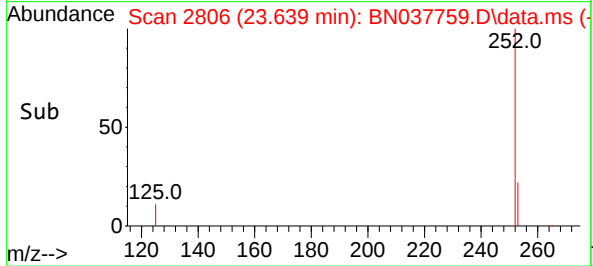
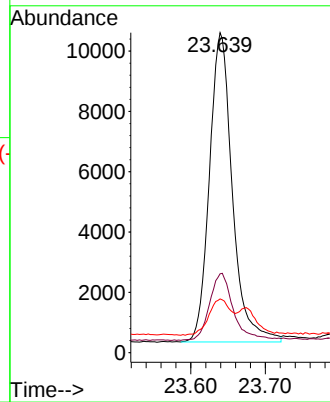
Tgt Ion:252 Resp: 21959

Ion Ratio Lower Upper

252 100

253 24.6 20.8 31.2

125 16.8 13.9 20.9



#40

Dibenzo(a,h)anthracene

Concen: 0.432 ng

RT: 26.142 min Scan# 3662

Delta R.T. -0.020 min

Lab File: BN037759.D

Acq: 18 Sep 2025 02:46

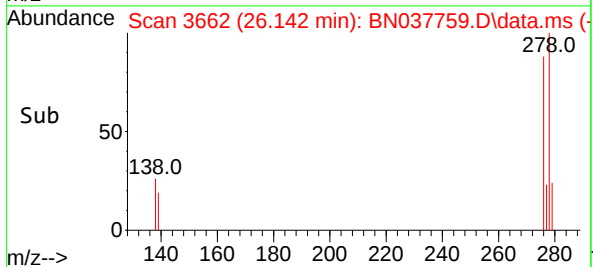
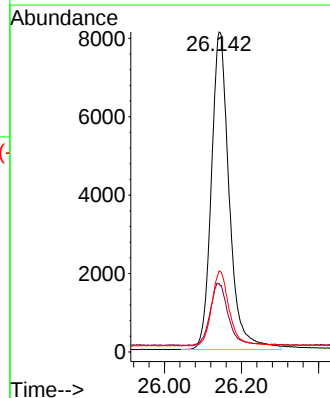
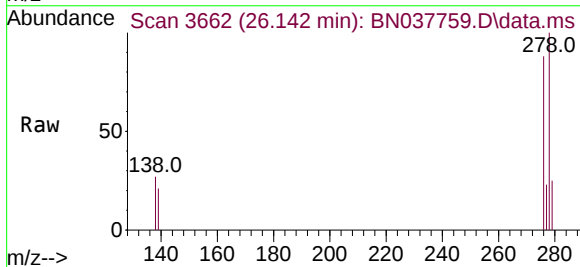
Tgt Ion:278 Resp: 26135

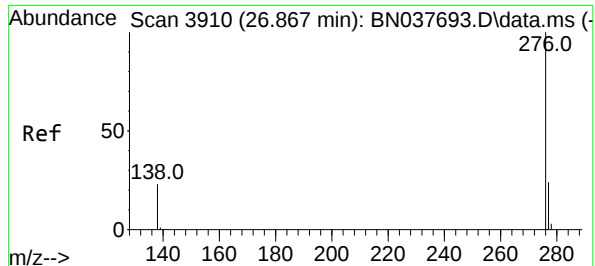
Ion Ratio Lower Upper

278 100

139 21.4 17.8 26.6

279 25.3 22.0 33.0





#41

Benzo(g,h,i)perylene

Concen: 0.403 ng

RT: 26.852 min Scan# 3910

Delta R.T. -0.015 min

Lab File: BN037759.D

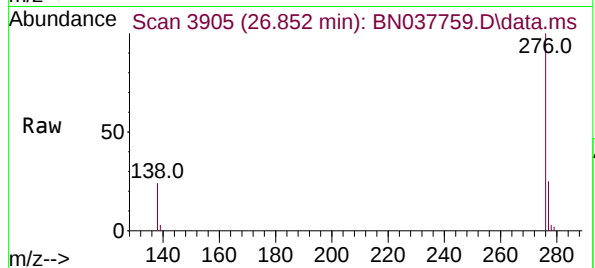
Acq: 18 Sep 2025 02:46

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4



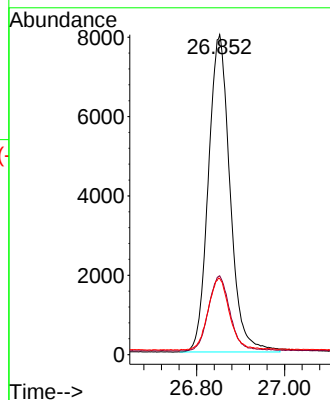
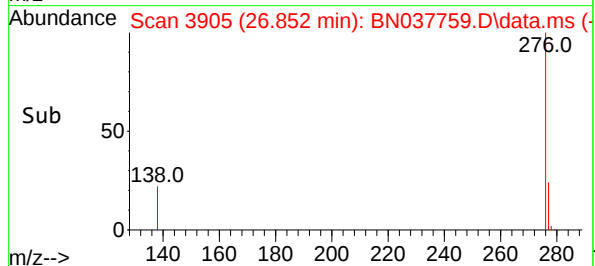
Tgt Ion:276 Resp: 27338

Ion Ratio Lower Upper

276 100

277 24.6 20.6 31.0

138 23.8 20.2 30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091725\  
 Data File : BN037759.D  
 Acq On : 18 Sep 2025 02:46  
 Operator : RC/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: Sep 18 05:02:26 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:20:01 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   | 160#  | 0.00     |
| 2       | 1,4-Dioxane                | 0.417 | 0.432 | -3.6  | 164#  | 0.00     |
| 3       | n-Nitrosodimethylamine     | 0.544 | 0.512 | 5.9   | 146   | 0.00     |
| 4 S     | 2-Fluorophenol             | 0.918 | 0.939 | -2.3  | 169#  | 0.00     |
| 5 S     | Phenol-d6                  | 1.191 | 1.179 | 1.0   | 164#  | 0.00     |
| 6       | bis(2-Chloroethyl)ether    | 1.064 | 1.056 | 0.8   | 158#  | 0.00     |
| 7 I     | Naphthalene-d8             | 1.000 | 1.000 | 0.0   | 164#  | -0.01    |
| 8 S     | Nitrobenzene-d5            | 0.293 | 0.286 | 2.4   | 164#  | -0.01    |
| 9       | Naphthalene                | 1.093 | 1.062 | 2.8   | 162#  | 0.00     |
| 10      | Hexachlorobutadiene        | 0.198 | 0.191 | 3.5   | 158#  | -0.01    |
| 11 SURR | 2-Methylnaphthalene-d10    | 0.530 | 0.511 | 3.6   | 168#  | -0.01    |
| 12      | 2-Methylnaphthalene        | 0.676 | 0.657 | 2.8   | 163#  | 0.00     |
| 13 I    | Acenaphthene-d10           | 1.000 | 1.000 | 0.0   | 164#  | -0.01    |
| 14 S    | 2,4,6-Tribromophenol       | 0.104 | 0.120 | -15.4 | 196#  | 0.00     |
| 15 S    | 2-Fluorobiphenyl           | 1.673 | 1.646 | 1.6   | 164#  | 0.00     |
| 16      | Acenaphthylene             | 1.834 | 1.743 | 5.0   | 161#  | 0.00     |
| 17      | Acenaphthene               | 1.240 | 1.204 | 2.9   | 163#  | -0.01    |
| 18      | Fluorene                   | 1.502 | 1.421 | 5.4   | 162#  | 0.00     |
| 19 I    | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 165#  | 0.00     |
| 20      | 4,6-Dinitro-2-methylphenol | 0.037 | 0.031 | 16.2  | 155#  | 0.00     |
| 21      | 4-Bromophenyl-phenylether  | 0.261 | 0.251 | 3.8   | 165#  | -0.01    |
| 22      | Hexachlorobenzene          | 0.300 | 0.292 | 2.7   | 164#  | -0.01    |
| 23      | Atrazine                   | 0.166 | 0.156 | 6.0   | 170#  | -0.01    |
| 24      | Pentachlorophenol          | 0.087 | 0.103 | -18.4 | 227#  | 0.00     |
| 25      | Phenanthrene               | 1.259 | 1.218 | 3.3   | 165#  | -0.01    |
| 26      | Anthracene                 | 1.116 | 1.073 | 3.9   | 166#  | -0.01    |
| 27 SURR | Fluoranthene-d10           | 1.004 | 0.949 | 5.5   | 168#  | 0.00     |
| 28      | Fluoranthene               | 1.381 | 1.338 | 3.1   | 169#  | 0.00     |
| 29 I    | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 179#  | 0.00     |
| 30      | Pyrene                     | 1.566 | 1.487 | 5.0   | 171#  | 0.00     |
| 31 S    | Terphenyl-d14              | 0.812 | 0.735 | 9.5   | 164#  | 0.00     |
| 32      | Benzo(a)anthracene         | 1.395 | 1.368 | 1.9   | 182#  | 0.00     |
| 33      | Chrysene                   | 1.496 | 1.485 | 0.7   | 178#  | 0.00     |
| 34      | Bis(2-ethylhexyl)phthalate | 0.414 | 0.462 | -11.6 | 220#  | 0.00     |
| 35 I    | Perylene-d12               | 1.000 | 1.000 | 0.0   | 201#  | -0.01    |
| 36      | Indeno(1,2,3-cd)pyrene     | 1.681 | 1.811 | -7.7  | 236#  | -0.02    |
| 37      | Benzo(b)fluoranthene       | 1.575 | 1.500 | 4.8   | 194#  | 0.00     |
| 38      | Benzo(k)fluoranthene       | 1.606 | 1.567 | 2.4   | 207#  | 0.00     |
| 39 C    | Benzo(a)pyrene             | 1.261 | 1.217 | 3.5   | 204#  | 0.00     |
| 40      | Dibenzo(a,h)anthracene     | 1.342 | 1.448 | -7.9  | 241#  | -0.02    |
| 41      | Benzo(g,h,i)perylene       | 1.506 | 1.515 | -0.6  | 210#  | -0.01    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

**Instrument :**

BNA\_N

**LabSampleId :**

SSTDCCC0.4

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091725\  
 Data File : BN037759.D  
 Acq On : 18 Sep 2025 02:46  
 Operator : RC/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: Sep 18 05:02:26 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:20:01 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     | 0.400  | 0.400 | 0.0   | 160   | 0.00     |
| 2       | 1,4-Dioxane                | 0.400  | 0.415 | -3.7  | 164   | 0.00     |
| 3       | n-Nitrosodimethylamine     | 0.400  | 0.376 | 6.0   | 146   | 0.00     |
| 4 S     | 2-Fluorophenol             | 0.400  | 0.409 | -2.2  | 169   | 0.00     |
| 5 S     | Phenol-d6                  | 0.400  | 0.396 | 1.0   | 164   | 0.00     |
| 6       | bis(2-Chloroethyl)ether    | 0.400  | 0.397 | 0.8   | 158   | 0.00     |
| 7 I     | Naphthalene-d8             | 0.400  | 0.400 | 0.0   | 164   | -0.01    |
| 8 S     | Nitrobenzene-d5            | 0.400  | 0.391 | 2.3   | 164   | -0.01    |
| 9       | Naphthalene                | 0.400  | 0.389 | 2.8   | 162   | 0.00     |
| 10      | Hexachlorobutadiene        | 0.400  | 0.385 | 3.8   | 158   | -0.01    |
| 11 SURR | 2-Methylnaphthalene-d10    | 0.400  | 0.386 | 3.5   | 168   | -0.01    |
| 12      | 2-Methylnaphthalene        | 0.400  | 0.389 | 2.8   | 163   | 0.00     |
| 13 I    | Acenaphthene-d10           | 0.400  | 0.400 | 0.0   | 164   | -0.01    |
| 14 S    | 2,4,6-Tribromophenol       | 0.400  | 0.460 | -15.0 | 196   | 0.00     |
| 15 S    | 2-Fluorobiphenyl           | 0.400  | 0.393 | 1.8   | 164   | 0.00     |
| 16      | Acenaphthylene             | 0.400  | 0.380 | 5.0   | 161   | 0.00     |
| 17      | Acenaphthene               | 0.400  | 0.388 | 3.0   | 163   | -0.01    |
| 18      | Fluorene                   | 0.400  | 0.378 | 5.5   | 162   | 0.00     |
| 19 I    | Phenanthrene-d10           | 0.400  | 0.400 | 0.0   | 165   | 0.00     |
| 20      | 4,6-Dinitro-2-methylphenol | 0.400  | 0.334 | 16.5  | 155   | 0.00     |
| 21      | 4-Bromophenyl-phenylether  | 0.400  | 0.385 | 3.8   | 165   | -0.01    |
| 22      | Hexachlorobenzene          | 0.400  | 0.389 | 2.8   | 164   | -0.01    |
| 23      | Atrazine                   | 0.400  | 0.375 | 6.3   | 170   | -0.01    |
| 24      | Pentachlorophenol          | 0.400  | 0.471 | -17.7 | 227   | 0.00     |
| 25      | Phenanthrene               | 0.400  | 0.387 | 3.3   | 165   | -0.01    |
| 26      | Anthracene                 | 0.400  | 0.385 | 3.8   | 166   | -0.01    |
| 27 SURR | Fluoranthene-d10           | 0.400  | 0.378 | 5.5   | 168   | 0.00     |
| 28      | Fluoranthene               | 0.400  | 0.387 | 3.3   | 169   | 0.00     |
| 29 I    | Chrysene-d12               | 0.400  | 0.400 | 0.0   | 179   | 0.00     |
| 30      | Pyrene                     | 0.400  | 0.380 | 5.0   | 171   | 0.00     |
| 31 S    | Terphenyl-d14              | 0.400  | 0.362 | 9.5   | 164   | 0.00     |
| 32      | Benzo(a)anthracene         | 0.400  | 0.392 | 2.0   | 182   | 0.00     |
| 33      | Chrysene                   | 0.400  | 0.397 | 0.8   | 178   | 0.00     |
| 34      | Bis(2-ethylhexyl)phthalate | 0.400  | 0.446 | -11.5 | 220   | 0.00     |
| 35 I    | Perylene-d12               | 0.400  | 0.400 | 0.0   | 201   | -0.01    |
| 36      | Indeno(1,2,3-cd)pyrene     | 0.400  | 0.431 | -7.7  | 236   | -0.02    |
| 37      | Benzo(b)fluoranthene       | 0.400  | 0.381 | 4.8   | 194   | 0.00     |
| 38      | Benzo(k)fluoranthene       | 0.400  | 0.390 | 2.5   | 207   | 0.00     |
| 39 C    | Benzo(a)pyrene             | 0.400  | 0.386 | 3.5   | 204   | 0.00     |
| 40      | Dibenzo(a,h)anthracene     | 0.400  | 0.432 | -8.0  | 241   | -0.02    |
| 41      | Benzo(g,h,i)perylene       | 0.400  | 0.403 | -0.8  | 210   | -0.01    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

**Instrument :**

BNA\_N

**LabSampleId :**

SSTDCCC0.4



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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01  
 Lab Code: ACE SDG No.: Q3083  
 Instrument ID: BNA\_N Calibration Date/Time: 09/18/2025 14:32  
 Lab File ID: BN037776.D Init. Calib. Date(s): 09/11/2025 09/11/2025  
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:56 13:33  
 GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D    | MAX%D |
|-------------------------|-------|--------|------------|-------|-------|
| 2-Methylnaphthalene-d10 | 0.530 | 0.497  |            | -6.2  | 20.0  |
| Fluoranthene-d10        | 1.004 | 0.839  |            | -16.4 | 20.0  |
| 2-Fluorophenol          | 0.918 | 0.890  |            | -3.0  | 20.0  |
| Phenol-d6               | 1.191 | 1.130  |            | -5.1  | 20.0  |
| Nitrobenzene-d5         | 0.293 | 0.298  |            | 1.7   | 20.0  |
| Naphthalene             | 1.093 | 1.070  |            | -2.1  | 20.0  |
| 2-Fluorobiphenyl        | 1.673 | 1.679  |            | 0.4   | 20.0  |
| Acenaphthylene          | 1.834 | 1.744  |            | -4.9  | 20.0  |
| Acenaphthene            | 1.240 | 1.206  |            | -2.7  | 20.0  |
| Fluorene                | 1.502 | 1.397  |            | -7.0  | 20.0  |
| 2,4,6-Tribromophenol    | 0.104 | 0.114  |            | 9.6   | 20.0  |
| Phenanthrene            | 1.259 | 1.222  |            | -2.9  | 20.0  |
| Anthracene              | 1.116 | 1.047  |            | -6.2  | 20.0  |
| Fluoranthene            | 1.381 | 1.201  |            | -13.0 | 20.0  |
| Pyrene                  | 1.566 | 1.637  |            | 4.5   | 20.0  |
| Terphenyl-d14           | 0.812 | 0.801  |            | -1.4  | 20.0  |
| Benzo(a)anthracene      | 1.395 | 1.328  |            | -4.8  | 20.0  |
| Chrysene                | 1.496 | 1.528  |            | 2.1   | 20.0  |
| Benzo(b)fluoranthene    | 1.575 | 1.525  |            | -3.2  | 20.0  |
| Benzo(k)fluoranthene    | 1.606 | 1.612  |            | 0.4   | 20.0  |
| Benzo(a)pyrene          | 1.261 | 1.241  |            | -1.6  | 20.0  |
| Indeno(1,2,3-cd)pyrene  | 1.681 | 1.837  |            | 9.3   | 20.0  |
| Dibenzo(a,h)anthracene  | 1.342 | 1.463  |            | 9.0   | 20.0  |
| Benzo(g,h,i)perylene    | 1.506 | 1.555  |            | 3.3   | 20.0  |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091825\  
 Data File : BN037776.D  
 Acq On : 18 Sep 2025 14:32  
 Operator : RC/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: Sep 18 15:01:11 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:20:01 2025  
 Response via : Initial Calibration

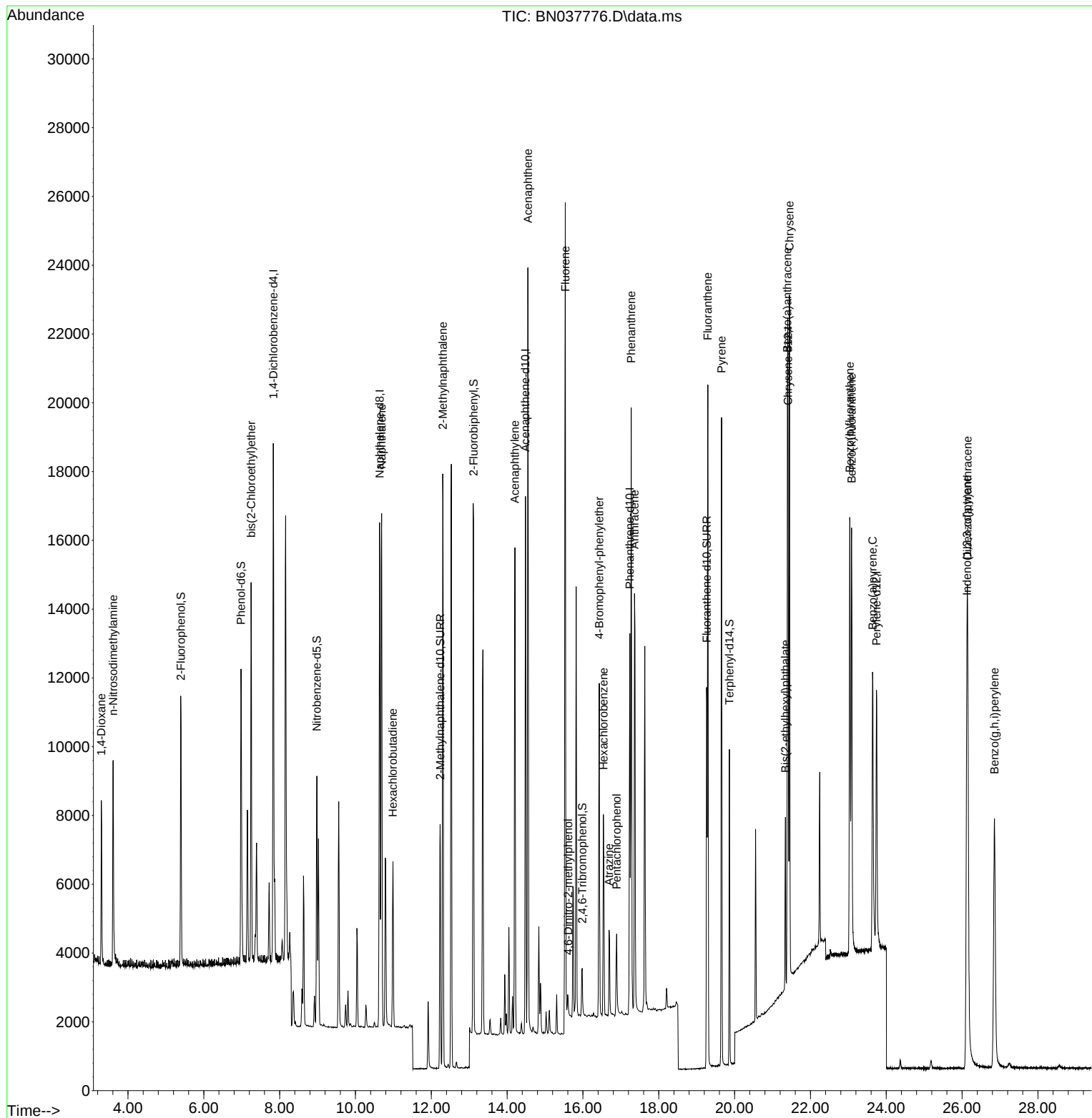
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.833  | 152  | 7127     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.637 | 136  | 18984    | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 14.484 | 164  | 8698     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.235 | 188  | 14526    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.411 | 240  | 10438    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.744 | 264  | 10600    | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.399  | 112  | 6346     | 0.388 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.980  | 99   | 8055     | 0.380 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.982  | 82   | 5651     | 0.407 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.232 | 152  | 9430     | 0.375 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 15.982 | 330  | 988      | 0.436 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.115 | 172  | 14602    | 0.401 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.262 | 212  | 12188    | 0.334 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.861 | 244  | 8356     | 0.394 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.297  | 88   | 3048     | 0.411 | ng    | 94       |
| 3) n-Nitrosodimethylamine     | 3.608  | 42   | 3658     | 0.377 | ng    | # 90     |
| 6) bis(2-Chloroethyl)ether    | 7.248  | 93   | 7546     | 0.398 | ng    | 100      |
| 9) Naphthalene                | 10.690 | 128  | 20305    | 0.391 | ng    | 99       |
| 10) Hexachlorobutadiene       | 10.989 | 225  | 3759     | 0.400 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.303 | 142  | 12427    | 0.387 | ng    | 99       |
| 16) Acenaphthylene            | 14.206 | 152  | 15171    | 0.380 | ng    | 100      |
| 17) Acenaphthene              | 14.548 | 154  | 10490    | 0.389 | ng    | 97       |
| 18) Fluorene                  | 15.535 | 166  | 12152    | 0.372 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.609 | 198  | 454      | 0.337 | ng    | 96       |
| 21) 4-Bromophenyl-phenylether | 16.429 | 248  | 3832     | 0.405 | ng    | # 86     |
| 22) Hexachlorobenzene         | 16.540 | 284  | 4737     | 0.435 | ng    | 99       |
| 23) Atrazine                  | 16.689 | 200  | 2300     | 0.382 | ng    | # 90     |
| 24) Pentachlorophenol         | 16.888 | 266  | 1384     | 0.438 | ng    | 95       |
| 25) Phenanthrene              | 17.273 | 178  | 17751    | 0.388 | ng    | 99       |
| 26) Anthracene                | 17.359 | 178  | 15208    | 0.375 | ng    | 99       |
| 28) Fluoranthene              | 19.294 | 202  | 17450    | 0.348 | ng    | 100      |
| 30) Pyrene                    | 19.657 | 202  | 17087    | 0.418 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.393 | 228  | 13864    | 0.381 | ng    | 99       |
| 33) Chrysene                  | 21.447 | 228  | 15945    | 0.408 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.339 | 149  | 4553     | 0.422 | ng    | 100      |
| 36) Indeno(1,2,3-cd)pyrene    | 26.127 | 276  | 19472    | 0.437 | ng    | 100      |
| 37) Benzo(b)fluoranthene      | 23.037 | 252  | 16161    | 0.387 | ng    | # 97     |
| 38) Benzo(k)fluoranthene      | 23.086 | 252  | 17089    | 0.402 | ng    | 97       |
| 39) Benzo(a)pyrene            | 23.642 | 252  | 13152    | 0.394 | ng    | # 95     |
| 40) Dibenzo(a,h)anthracene    | 26.145 | 278  | 15512    | 0.436 | ng    | 99       |
| 41) Benzo(g,h,i)perylene      | 26.855 | 276  | 16486    | 0.413 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

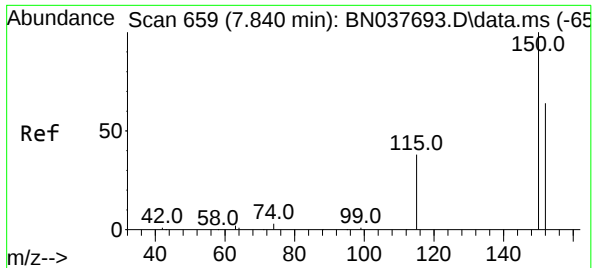
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091825\  
Data File : BN037776.D  
Acq On : 18 Sep 2025 14:32  
Operator : RC/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

Quant Time: Sep 18 15:01:11 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 11 14:20:01 2025  
Response via : Initial Calibration

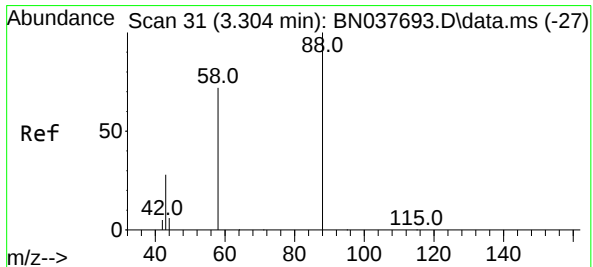
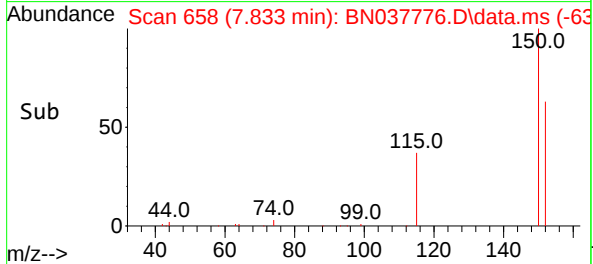
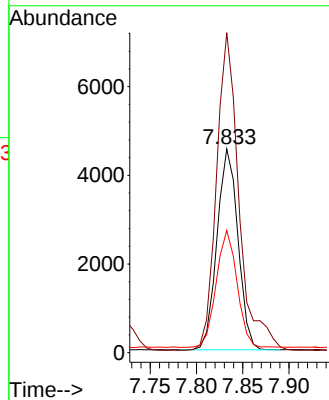
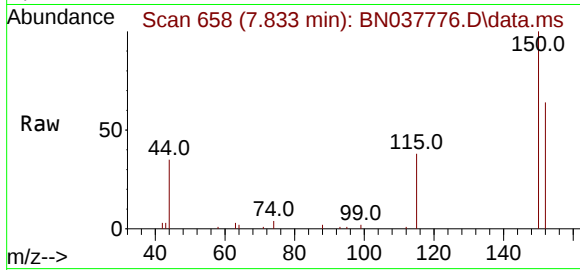




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.833 min Scan# 61  
Delta R.T. -0.007 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

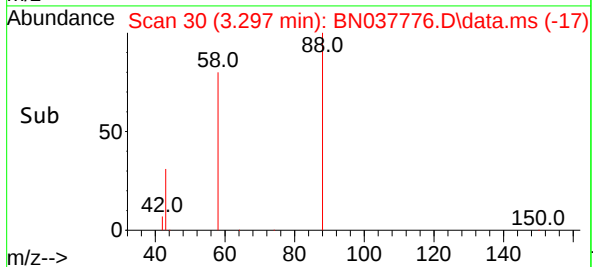
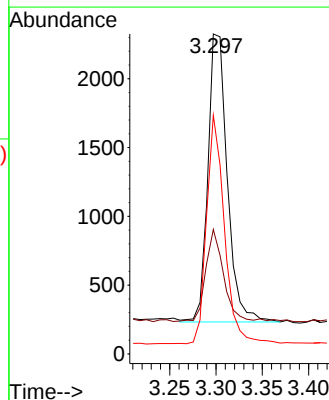
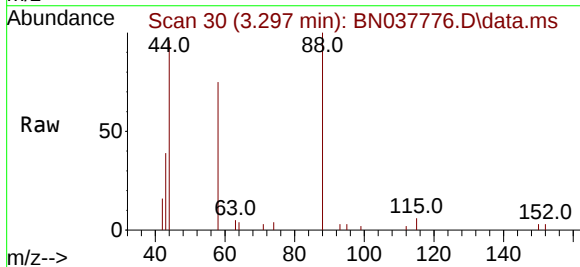
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

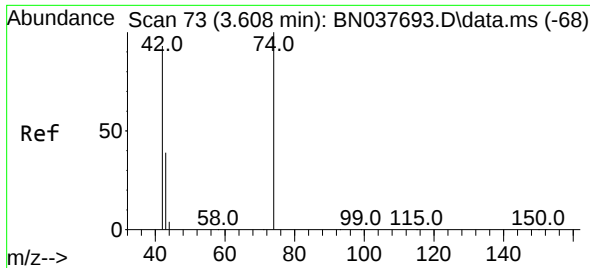
Tgt Ion:152 Resp: 7127  
Ion Ratio Lower Upper  
152 100  
150 157.1 124.5 186.7  
115 60.0 49.2 73.8



#2  
1,4-Dioxane  
Concen: 0.411 ng  
RT: 3.297 min Scan# 30  
Delta R.T. -0.007 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

Tgt Ion: 88 Resp: 3048  
Ion Ratio Lower Upper  
88 100  
43 29.1 26.8 40.2  
58 73.0 61.9 92.9

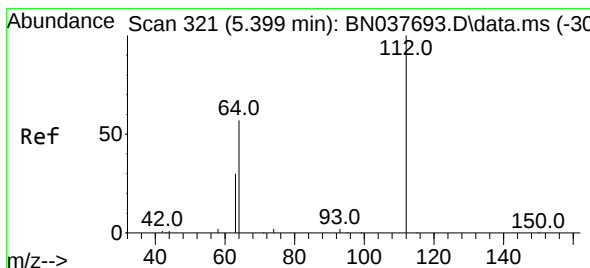
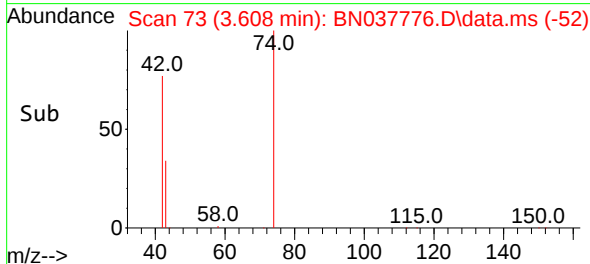
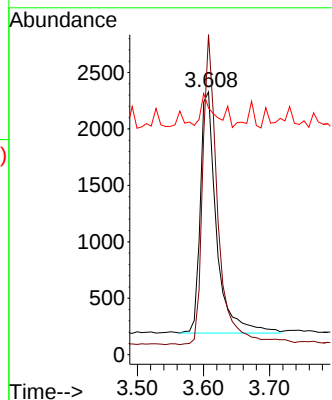
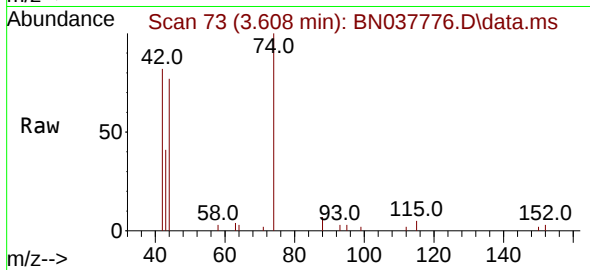




#3  
n-Nitrosodimethylamine  
Concen: 0.377 ng  
RT: 3.608 min Scan# 73  
Delta R.T. -0.000 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

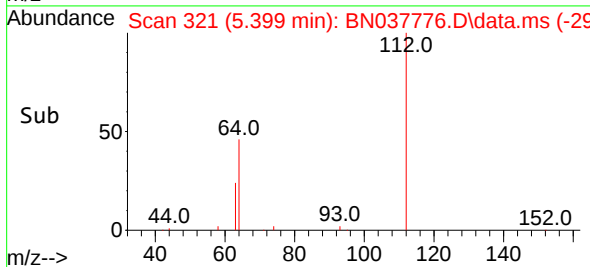
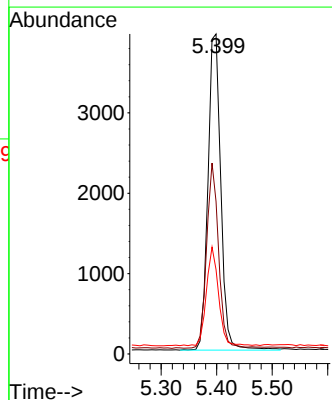
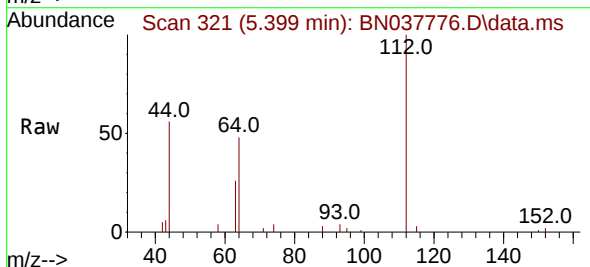
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

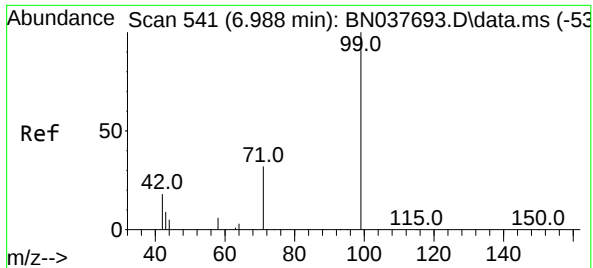
Tgt Ion: 42 Resp: 3658  
Ion Ratio Lower Upper  
42 100  
74 118.6 86.0 129.0  
44 8.4 8.4 12.6#



#4  
2-Fluorophenol  
Concen: 0.388 ng  
RT: 5.399 min Scan# 321  
Delta R.T. -0.000 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

Tgt Ion: 112 Resp: 6346  
Ion Ratio Lower Upper  
112 100  
64 54.2 44.9 67.3  
63 29.2 24.7 37.1

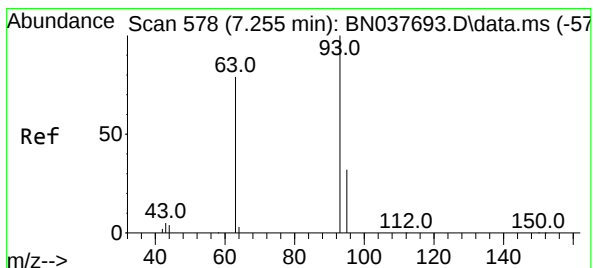
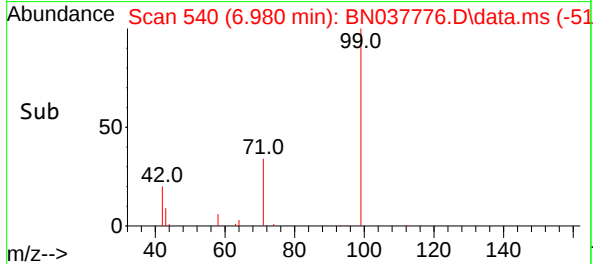
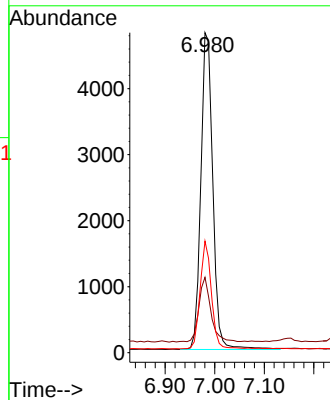
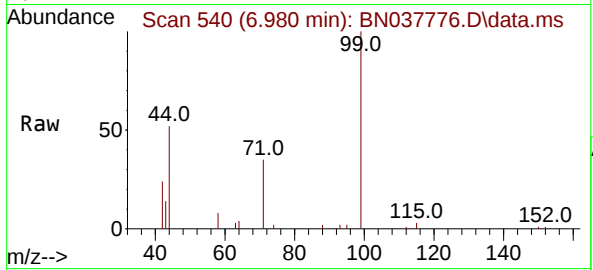




#5  
Phenol-d6  
Concen: 0.380 ng  
RT: 6.980 min Scan# 541  
Delta R.T. -0.007 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

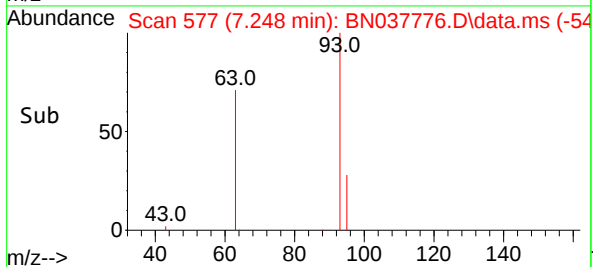
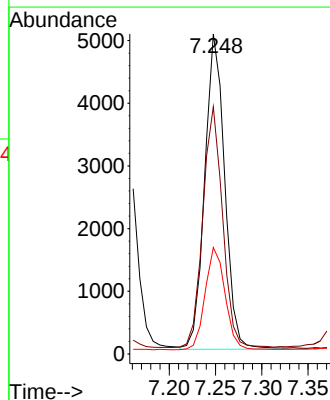
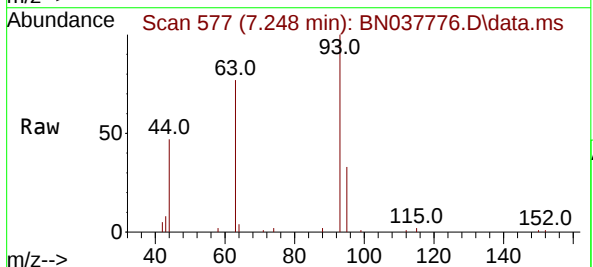
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

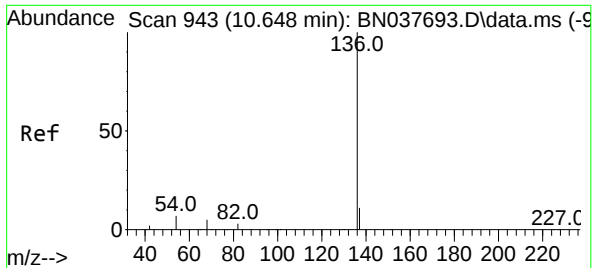
Tgt Ion: 99 Resp: 8055  
Ion Ratio Lower Upper  
99 100  
42 20.9 16.6 24.8  
71 32.2 26.7 40.1



#6  
bis(2-Chloroethyl)ether  
Concen: 0.398 ng  
RT: 7.248 min Scan# 577  
Delta R.T. -0.007 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

Tgt Ion: 93 Resp: 7546  
Ion Ratio Lower Upper  
93 100  
63 75.4 60.6 90.8  
95 32.5 26.0 39.0

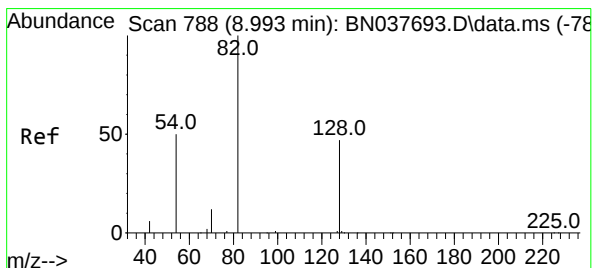
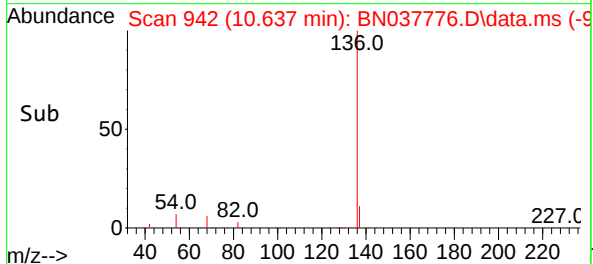
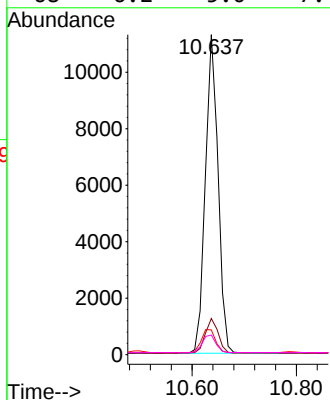
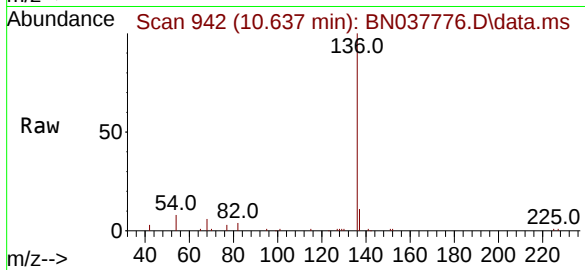




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.637 min Scan# 94  
Delta R.T. -0.011 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

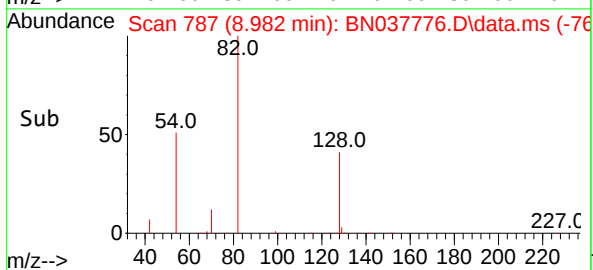
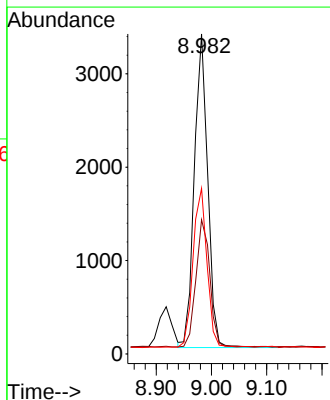
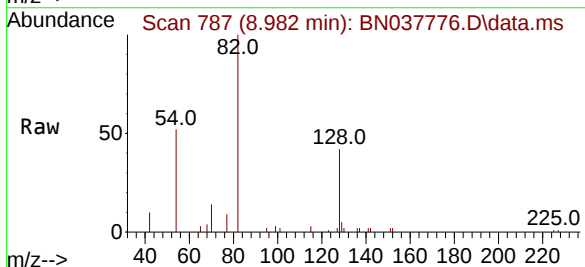
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

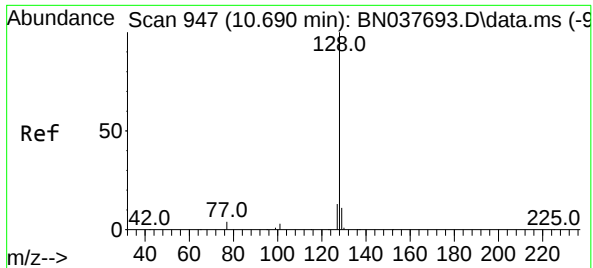
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 136   | Resp: | 18984 |
| Ion Ratio | Lower | Upper |       |
| 136       | 100   |       |       |
| 137       | 11.3  | 9.1   | 13.7  |
| 54        | 7.7   | 6.3   | 9.5   |
| 68        | 6.2   | 5.0   | 7.4   |



#8  
Nitrobenzene-d5  
Concen: 0.407 ng  
RT: 8.982 min Scan# 787  
Delta R.T. -0.011 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 82    | Resp: | 5651 |
| Ion Ratio | Lower | Upper |      |
| 82        | 100   |       |      |
| 128       | 42.0  | 38.3  | 57.5 |
| 54        | 51.8  | 41.4  | 62.2 |

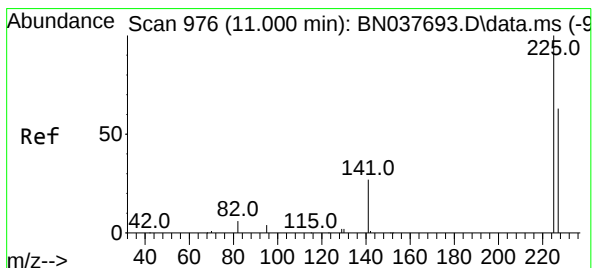
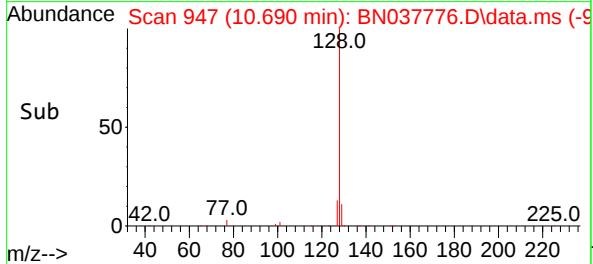
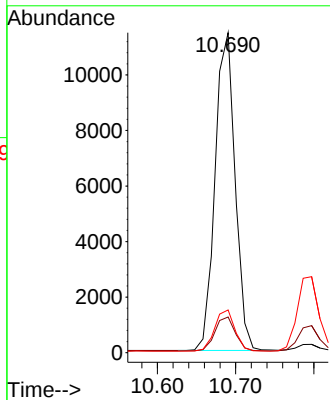
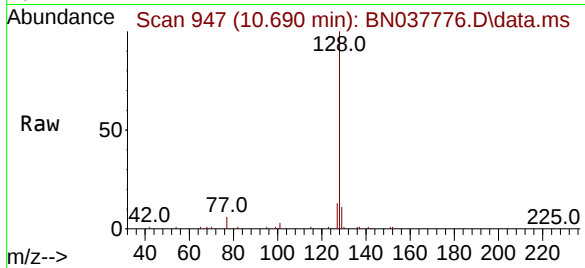




#9  
Naphthalene  
Concen: 0.391 ng  
RT: 10.690 min Scan# 947  
Delta R.T. -0.000 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

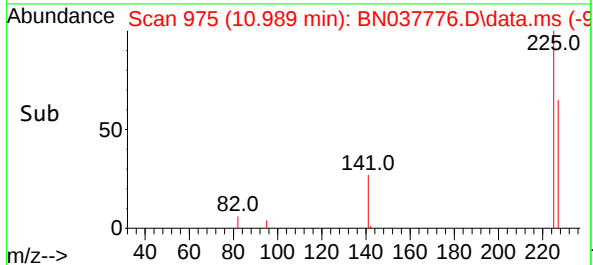
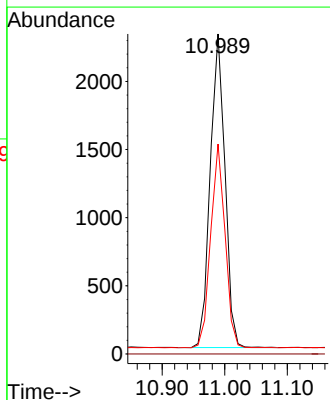
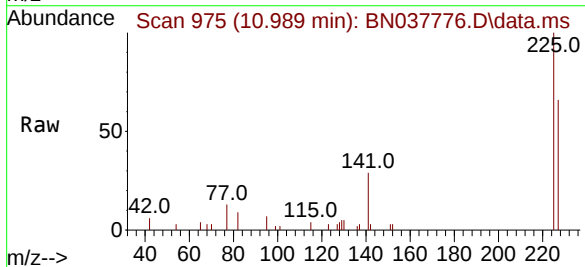
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

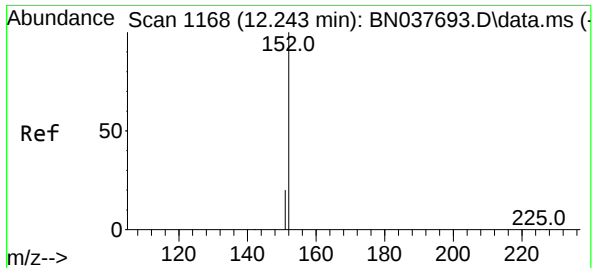
Tgt Ion:128 Resp: 20305  
Ion Ratio Lower Upper  
128 100  
129 11.1 9.1 13.7  
127 13.3 10.9 16.3



#10  
Hexachlorobutadiene  
Concen: 0.400 ng  
RT: 10.989 min Scan# 975  
Delta R.T. -0.011 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

Tgt Ion:225 Resp: 3759  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 63.4 50.9 76.3

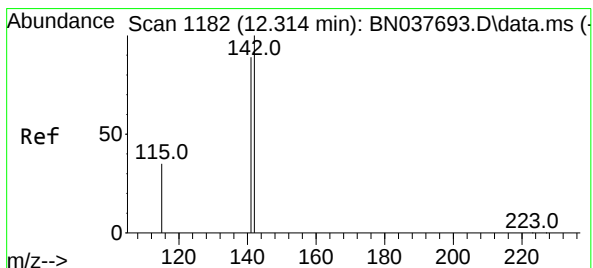
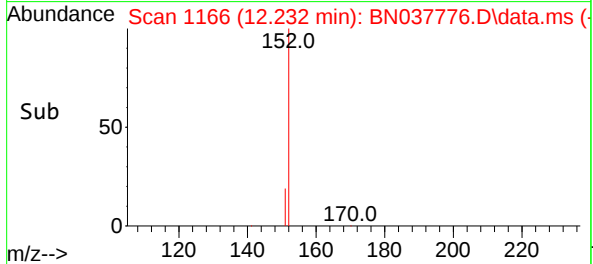
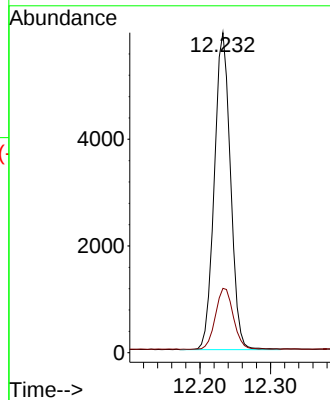
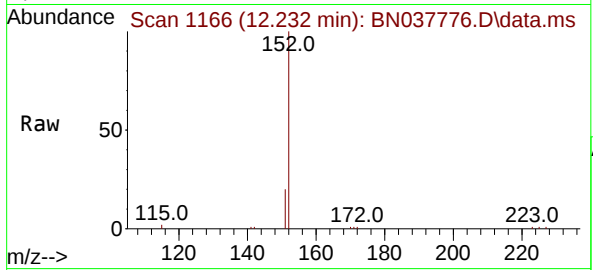




#11  
2-Methylnaphthalene-d10  
Concen: 0.375 ng  
RT: 12.232 min Scan# 1166  
Delta R.T. -0.010 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

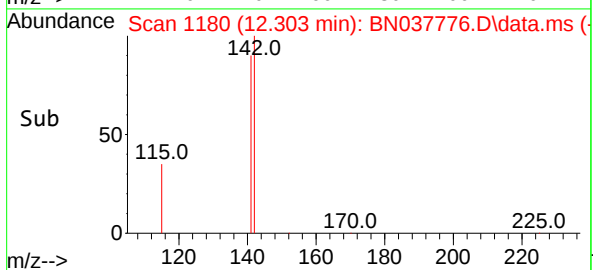
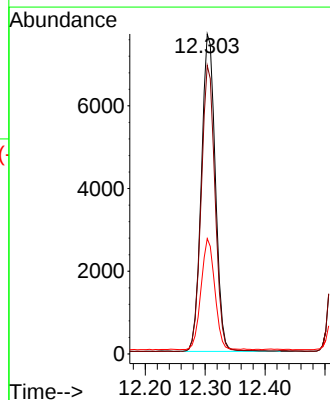
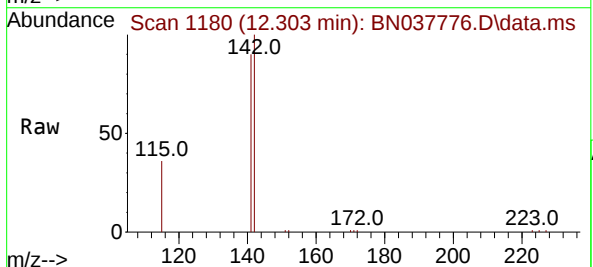
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

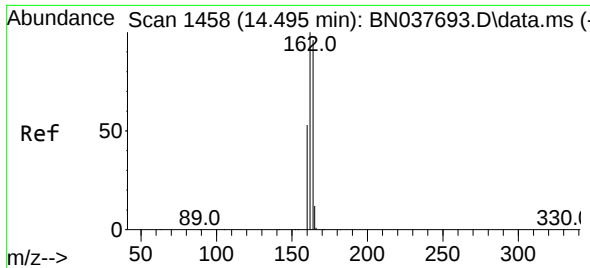
Tgt Ion:152 Resp: 9430  
Ion Ratio Lower Upper  
152 100  
151 21.3 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 0.387 ng  
RT: 12.303 min Scan# 1180  
Delta R.T. -0.010 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

Tgt Ion:142 Resp: 12427  
Ion Ratio Lower Upper  
142 100  
141 90.2 71.6 107.4  
115 36.1 28.6 43.0

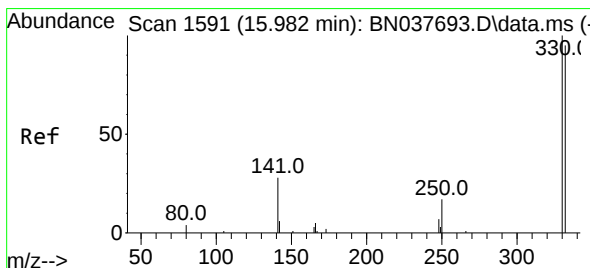
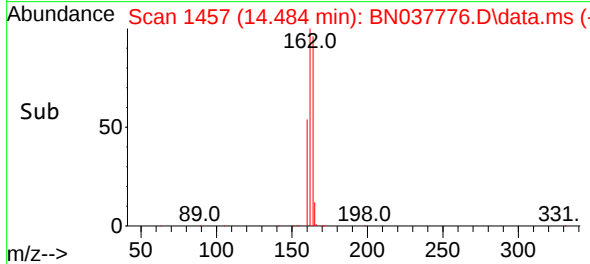
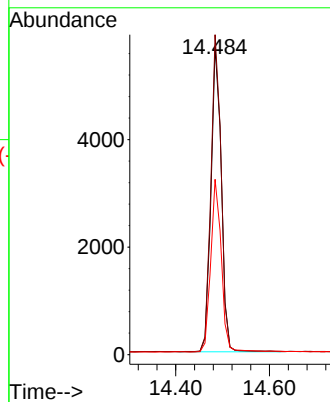
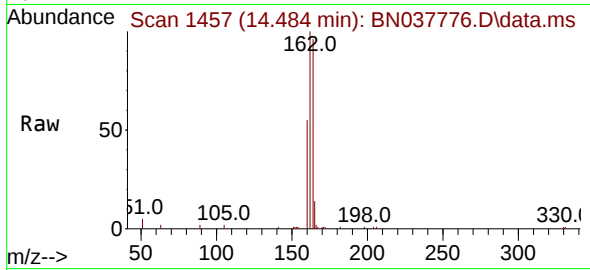




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.484 min Scan# 1457  
Delta R.T. -0.011 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

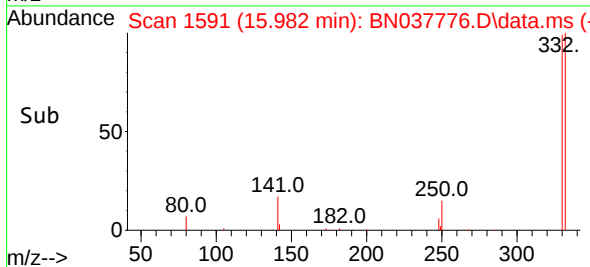
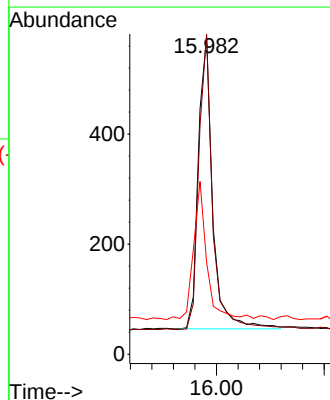
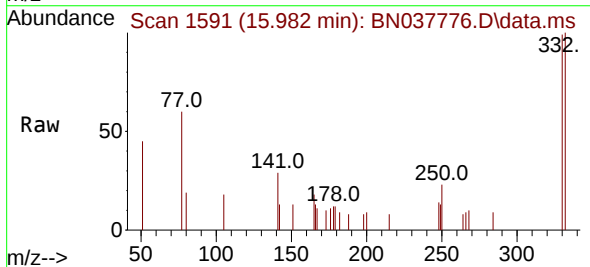
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

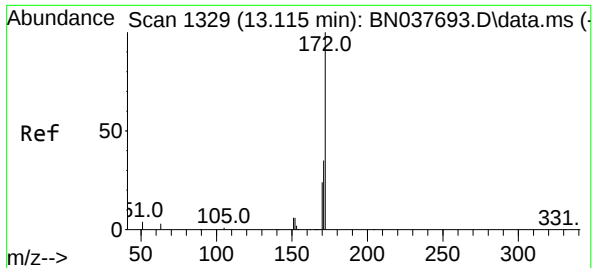
| Tgt Ion | 164   | Resp: | 8698  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 164     | 100   |       |       |
| 162     | 103.8 | 83.1  | 124.7 |
| 160     | 56.9  | 44.3  | 66.5  |



#14  
2,4,6-Tribromophenol  
Concen: 0.436 ng  
RT: 15.982 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

| Tgt Ion | 330   | Resp: | 988   |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 330     | 100   |       |       |
| 332     | 96.3  | 75.3  | 112.9 |
| 141     | 42.6  | 35.0  | 52.4  |

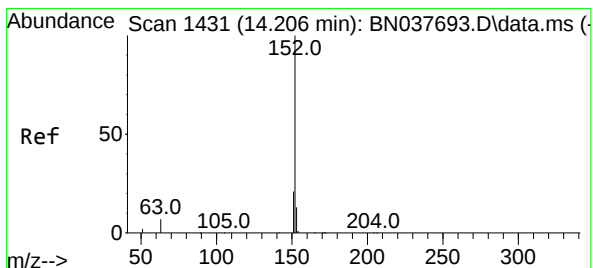
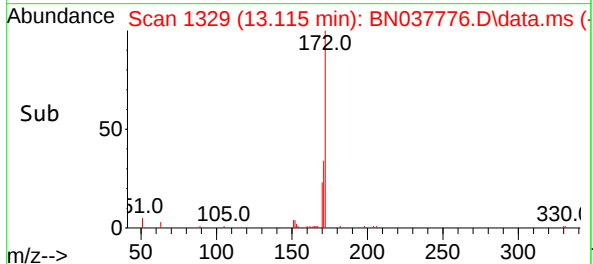
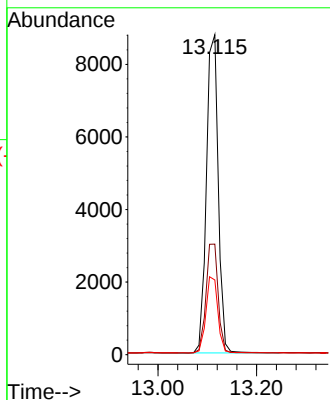
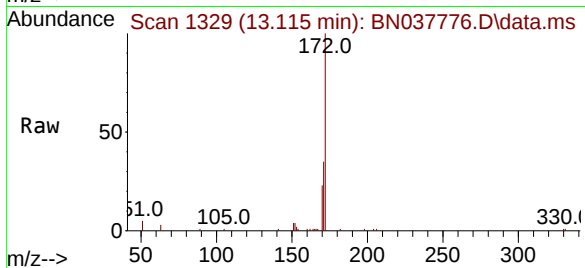




#15  
2-Fluorobiphenyl  
Concen: 0.401 ng  
RT: 13.115 min Scan# 1329  
Delta R.T. -0.000 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

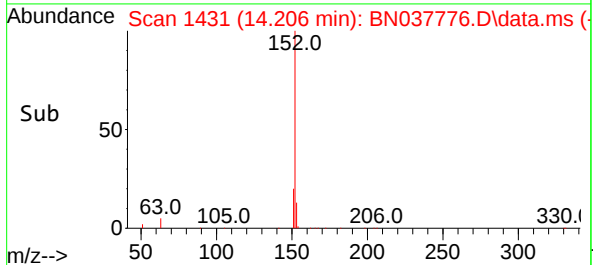
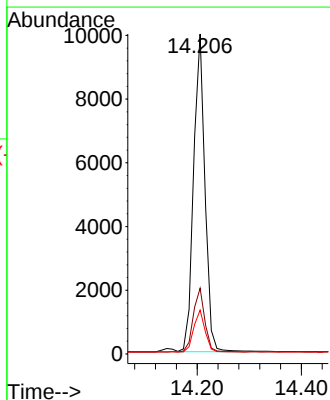
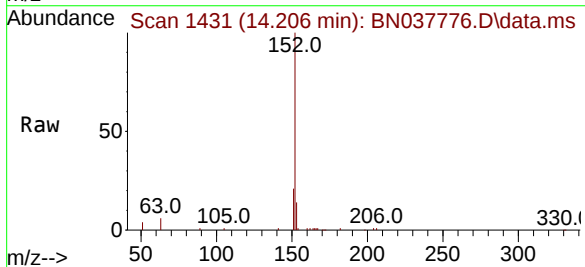
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

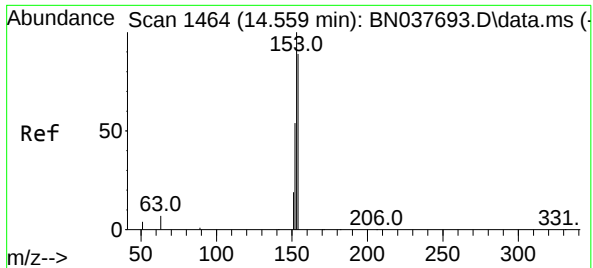
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.6  | 28.6  | 43.0  |
| 170     | 23.3  | 19.8  | 29.8  |



#16  
Acenaphthylene  
Concen: 0.380 ng  
RT: 14.206 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.2  | 16.2  | 24.2  |
| 153     | 13.1  | 10.4  | 15.6  |

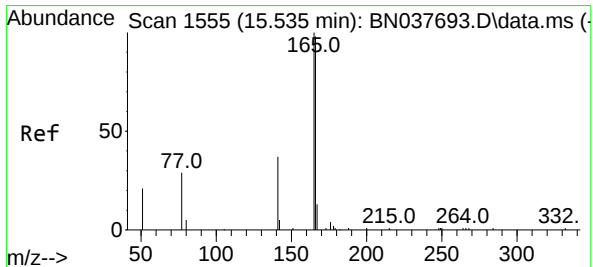
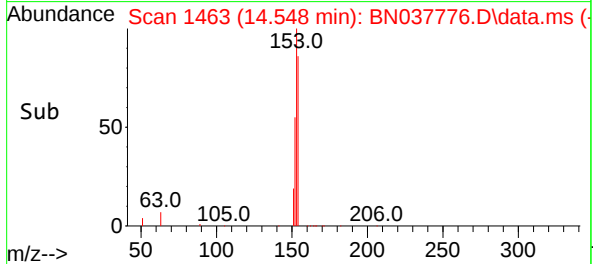
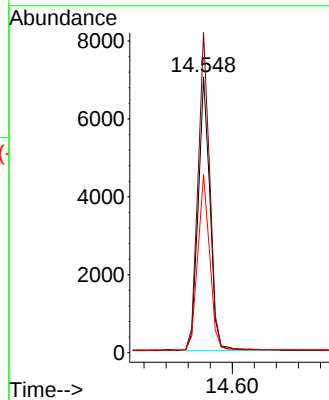
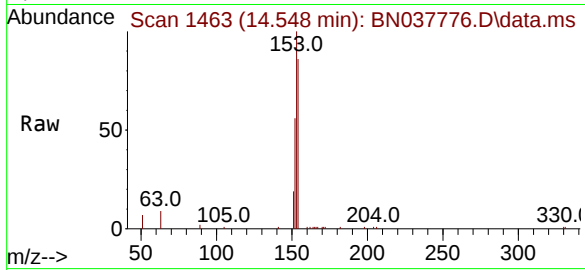




#17  
Acenaphthene  
Concen: 0.389 ng  
RT: 14.548 min Scan# 1463  
Delta R.T. -0.011 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

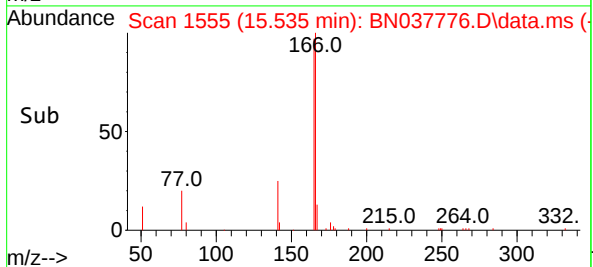
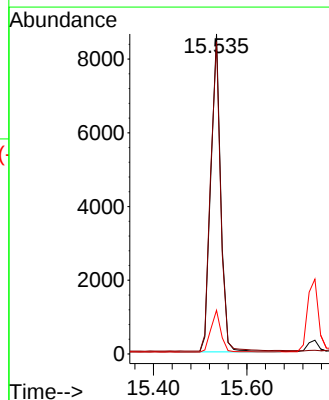
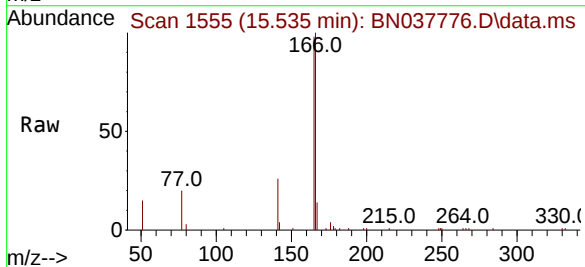
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

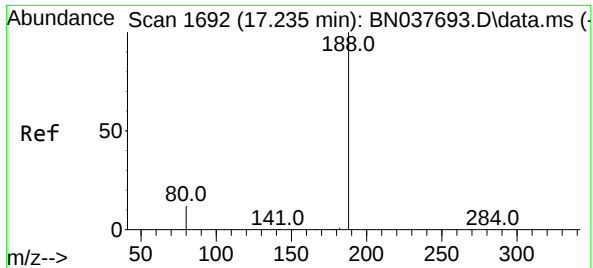
Tgt Ion:154 Resp: 10490  
Ion Ratio Lower Upper  
154 100  
153 115.3 89.8 134.8  
152 65.9 50.2 75.2



#18  
Fluorene  
Concen: 0.372 ng  
RT: 15.535 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

Tgt Ion:166 Resp: 12152  
Ion Ratio Lower Upper  
166 100  
165 99.6 79.6 119.4  
167 13.5 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.235 min Scan# 1

Delta R.T. -0.000 min

Lab File: BN037776.D

Acq: 18 Sep 2025 14:32

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

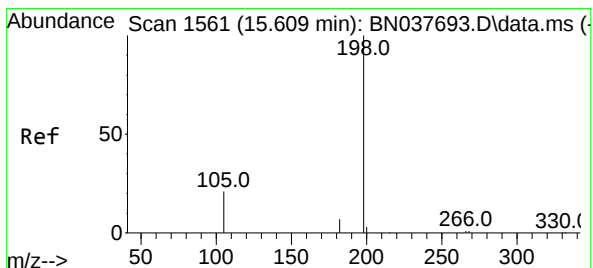
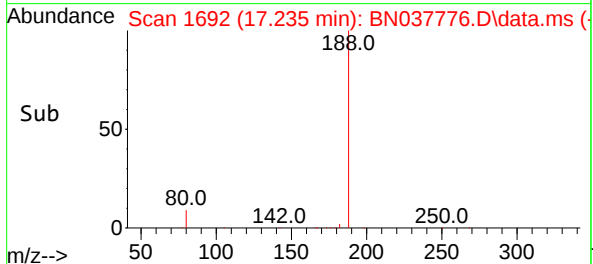
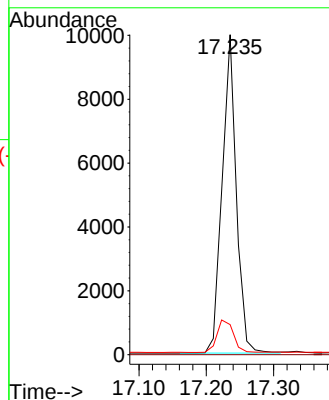
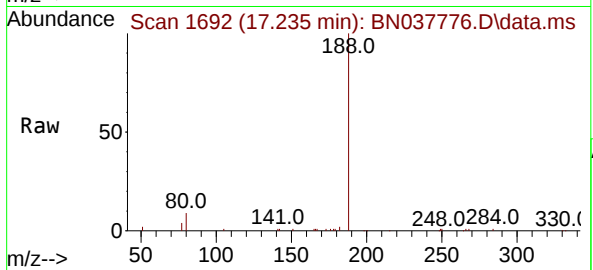
Tgt Ion:188 Resp: 14526

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 9.4 10.6 15.8#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.337 ng

RT: 15.609 min Scan# 1561

Delta R.T. 0.000 min

Lab File: BN037776.D

Acq: 18 Sep 2025 14:32

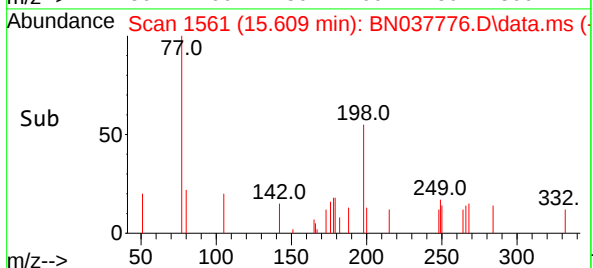
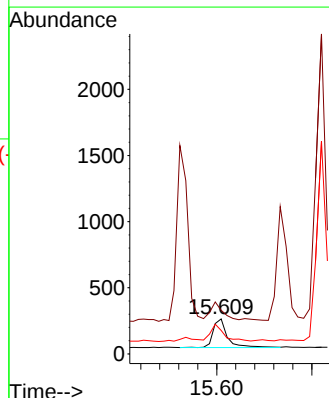
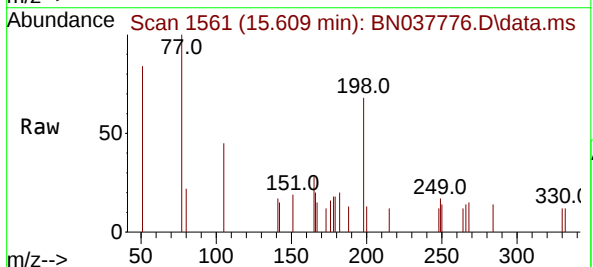
Tgt Ion:198 Resp: 454

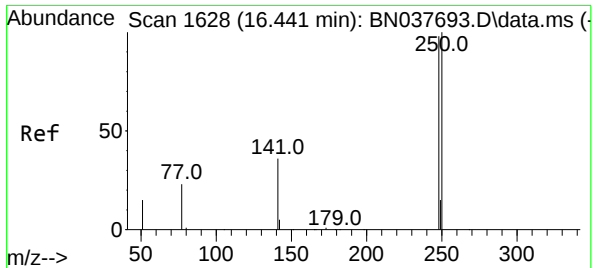
Ion Ratio Lower Upper

198 100

51 125.0 95.1 142.7

105 67.0 53.8 80.6

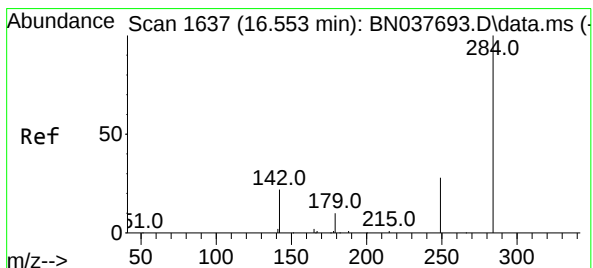
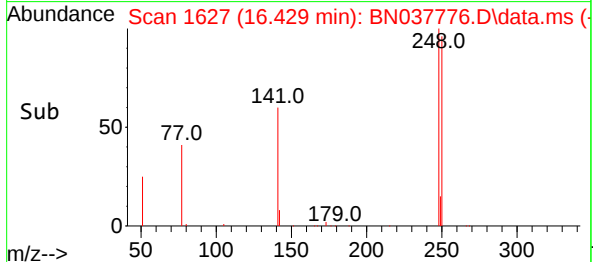
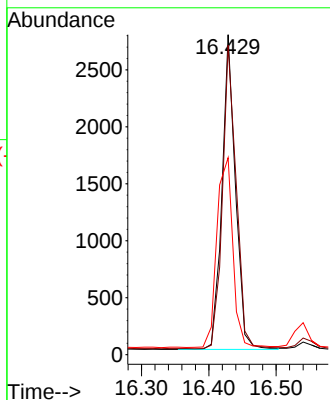
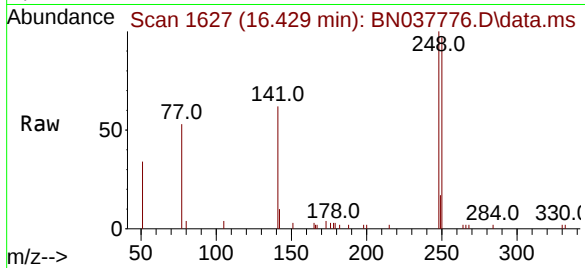




#21  
4-Bromophenyl-phenylether  
Concen: 0.405 ng  
RT: 16.429 min Scan# 1627  
Delta R.T. -0.013 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

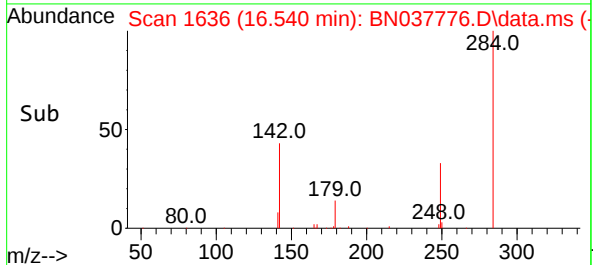
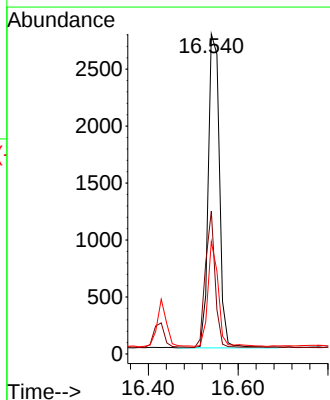
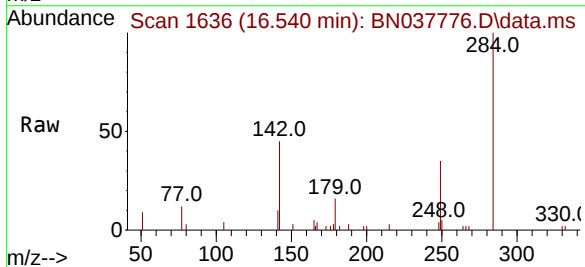
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

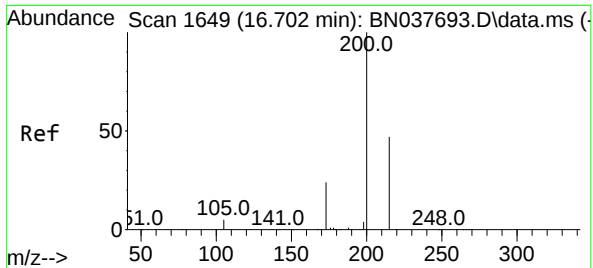
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 96.7  | 81.5  | 122.3 |
| 141     | 61.6  | 30.8  | 46.2  |



#22  
Hexachlorobenzene  
Concen: 0.435 ng  
RT: 16.540 min Scan# 1636  
Delta R.T. -0.013 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 37.4  | 30.9  | 46.3  |
| 249     | 31.0  | 24.8  | 37.2  |

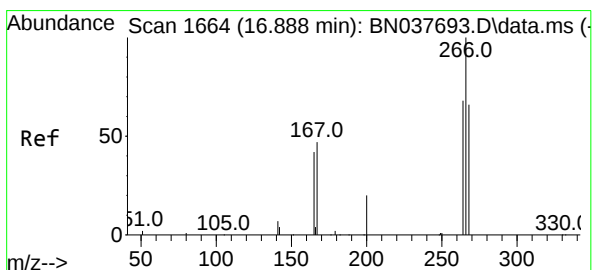
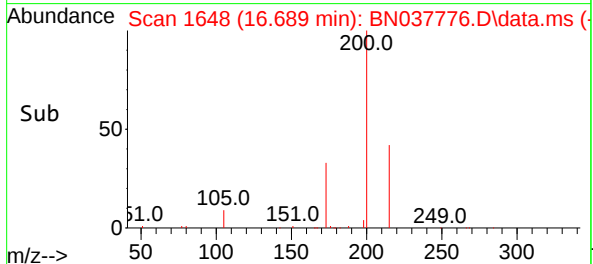
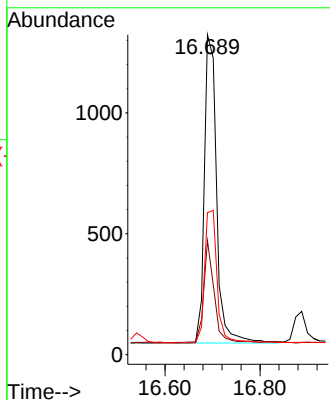
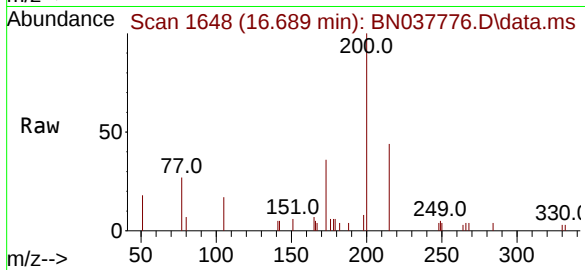




#23  
Atrazine  
Concen: 0.382 ng  
RT: 16.689 min Scan# 1648  
Delta R.T. -0.013 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

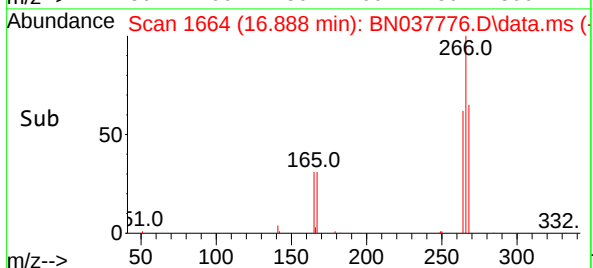
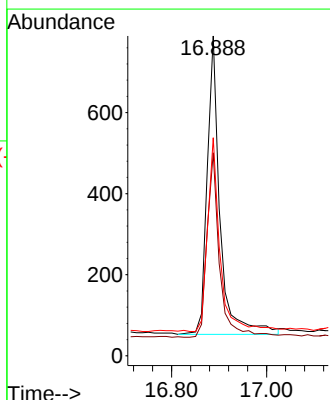
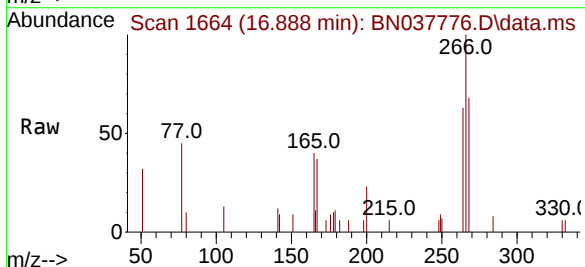
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

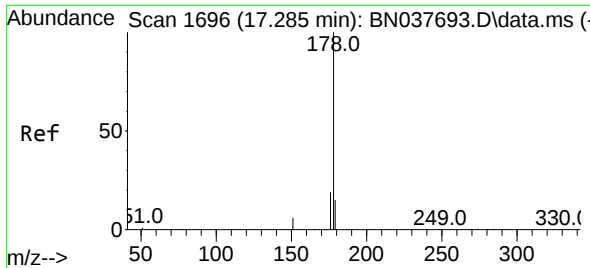
Tgt Ion:200 Resp: 2300  
Ion Ratio Lower Upper  
200 100  
173 35.6 21.4 32.2#  
215 44.4 39.2 58.8



#24  
Pentachlorophenol  
Concen: 0.438 ng  
RT: 16.888 min Scan# 1664  
Delta R.T. -0.000 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

Tgt Ion:266 Resp: 1384  
Ion Ratio Lower Upper  
266 100  
264 60.4 51.6 77.4  
268 63.2 53.2 79.8

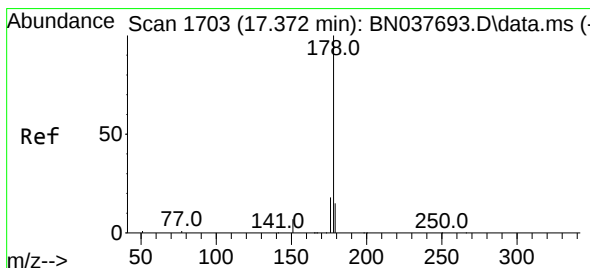
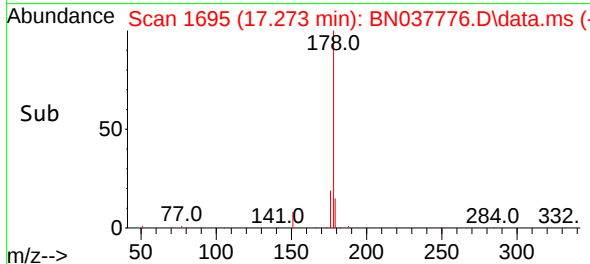
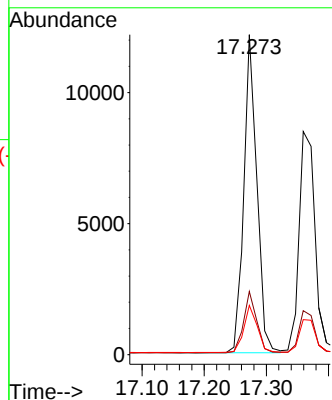
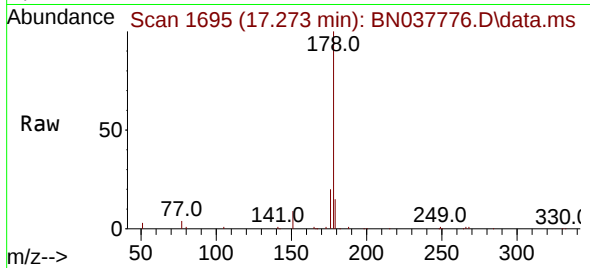




#25  
Phenanthrene  
Concen: 0.388 ng  
RT: 17.273 min Scan# 1702  
Delta R.T. -0.013 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

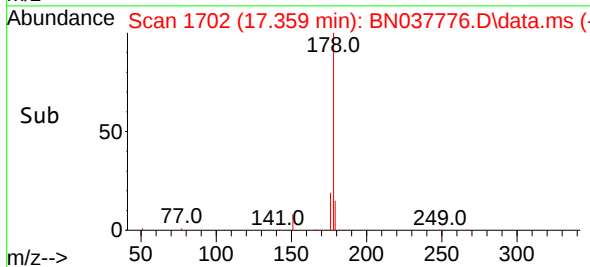
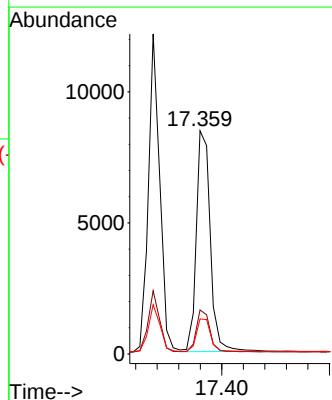
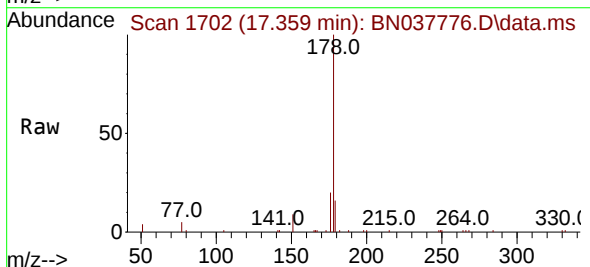
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

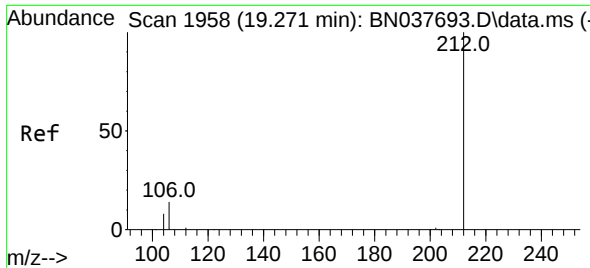
Tgt Ion:178 Resp: 17751  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.3 22.9  
179 15.5 12.2 18.2



#26  
Anthracene  
Concen: 0.375 ng  
RT: 17.359 min Scan# 1702  
Delta R.T. -0.013 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

Tgt Ion:178 Resp: 15208  
Ion Ratio Lower Upper  
178 100  
176 18.7 14.6 22.0  
179 15.4 12.2 18.4

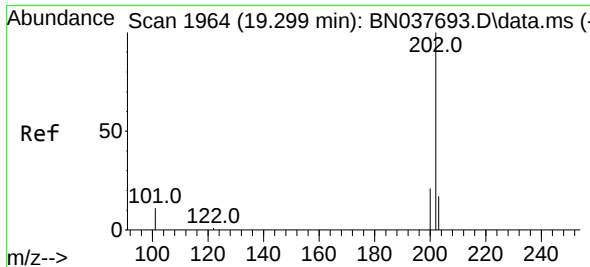
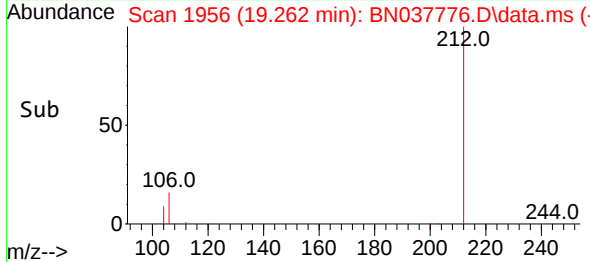
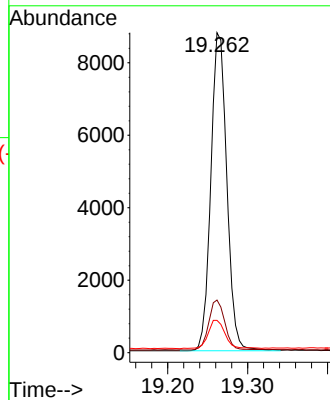
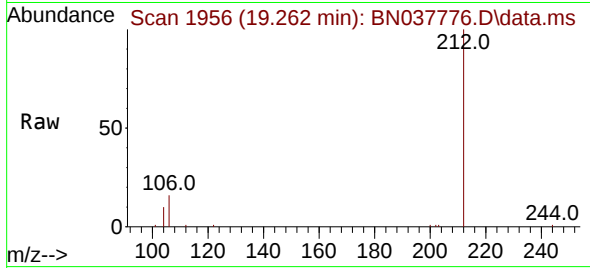




#27  
Fluoranthene-d10  
Concen: 0.334 ng  
RT: 19.262 min Scan# 1956  
Delta R.T. -0.009 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

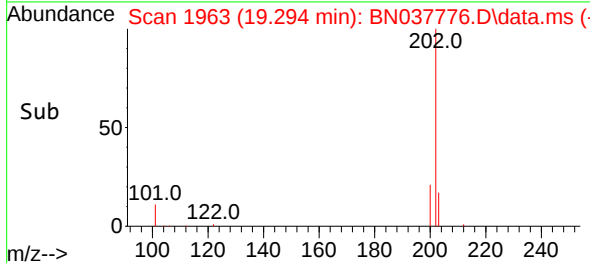
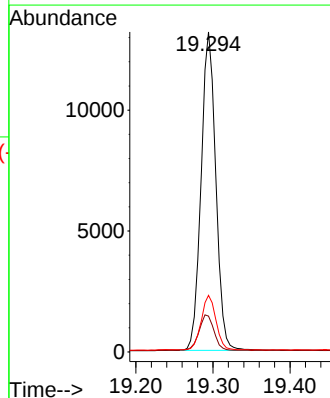
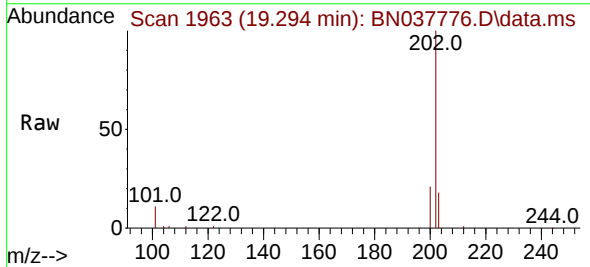
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

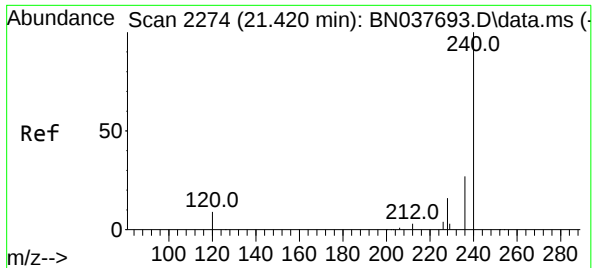
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 15.9  | 12.2  | 18.2  |
| 104     | 9.7   | 6.9   | 10.3  |



#28  
Fluoranthene  
Concen: 0.348 ng  
RT: 19.294 min Scan# 1963  
Delta R.T. -0.005 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 11.7  | 9.3   | 13.9  |
| 203     | 17.1  | 13.7  | 20.5  |

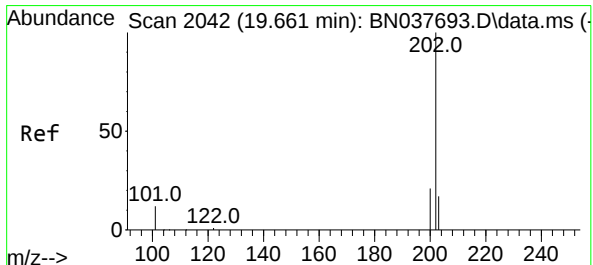
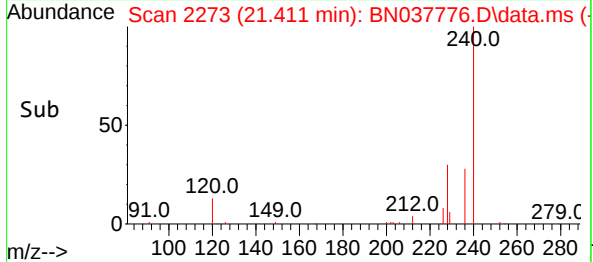
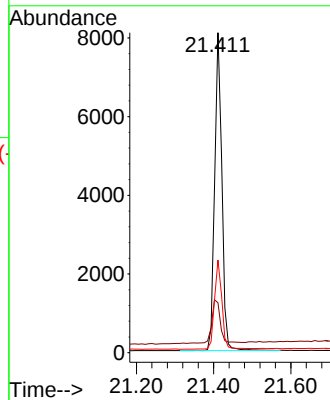
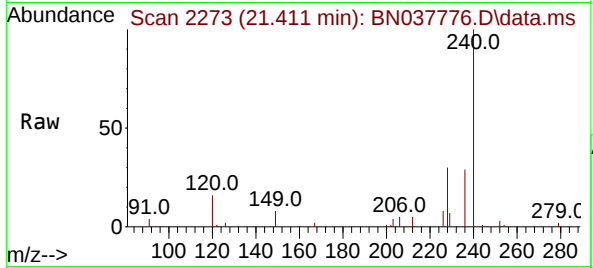




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.411 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

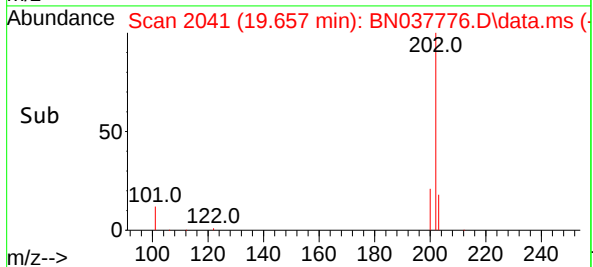
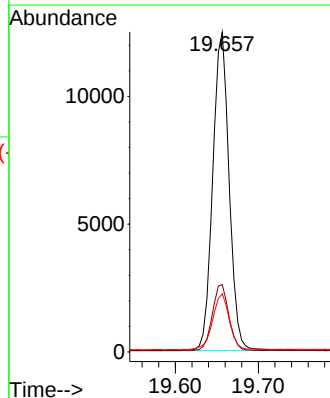
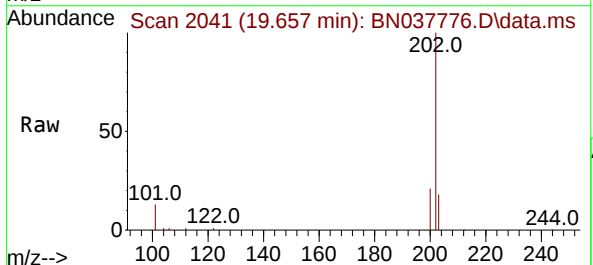
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

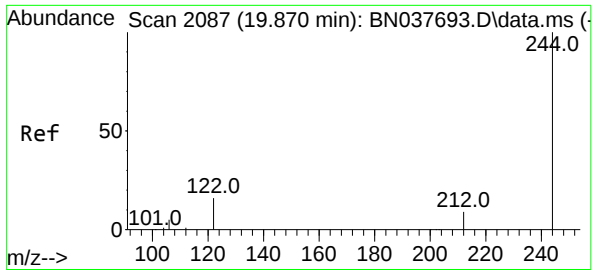
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 15.6  | 9.2   | 13.8# |
| 236     | 28.9  | 22.6  | 33.8  |



#30  
Pyrene  
Concen: 0.418 ng  
RT: 19.657 min Scan# 2041  
Delta R.T. -0.005 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.1  | 16.8  | 25.2  |
| 203     | 17.9  | 14.3  | 21.5  |

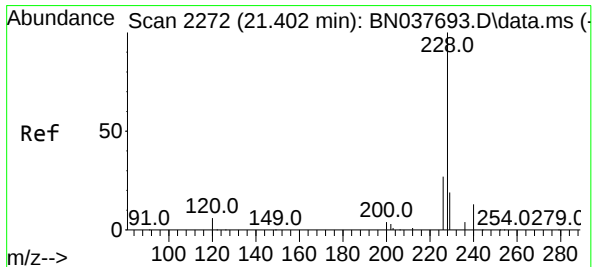
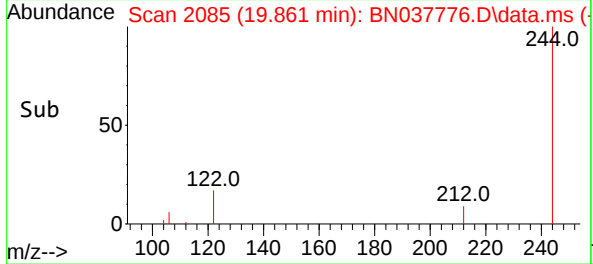
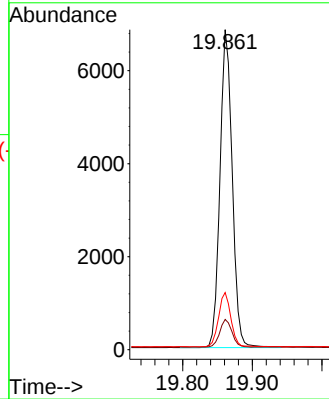
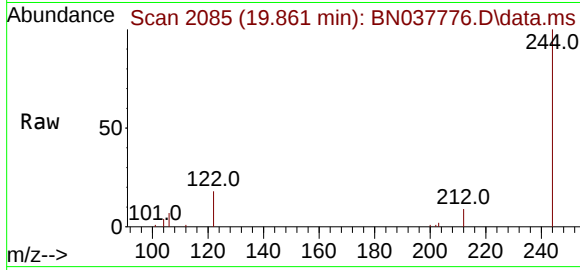




#31  
Terphenyl-d14  
Concen: 0.394 ng  
RT: 19.861 min Scan# 2085  
Delta R.T. -0.009 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

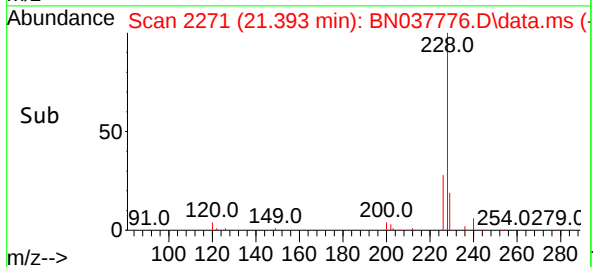
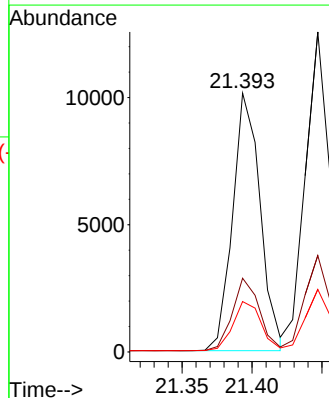
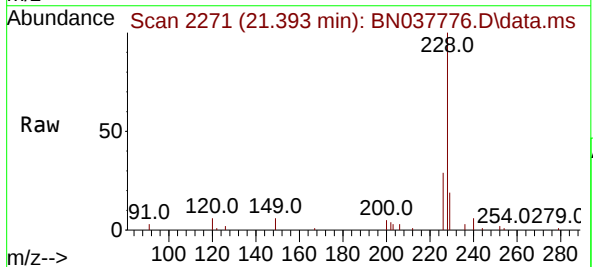
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

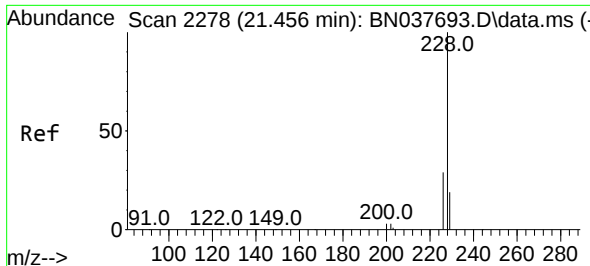
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.5   | 7.5   | 11.3  |
| 122     | 17.8  | 13.2  | 19.8  |



#32  
Benzo(a)anthracene  
Concen: 0.381 ng  
RT: 21.393 min Scan# 2271  
Delta R.T. -0.009 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.5  | 22.2  | 33.2  |
| 229     | 19.4  | 15.8  | 23.6  |

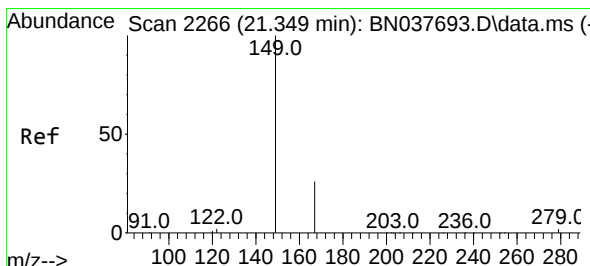
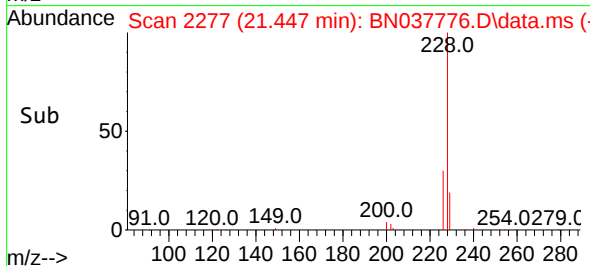
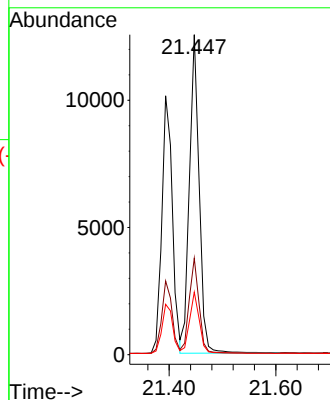
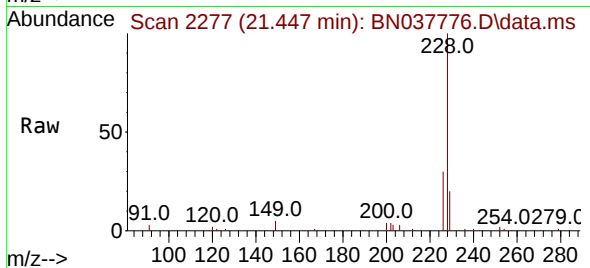




#33  
Chrysene  
Concen: 0.408 ng  
RT: 21.447 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

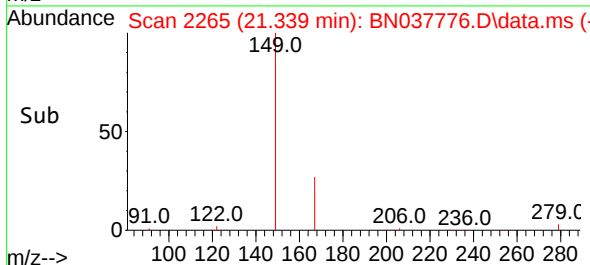
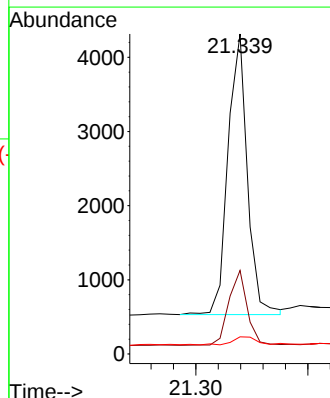
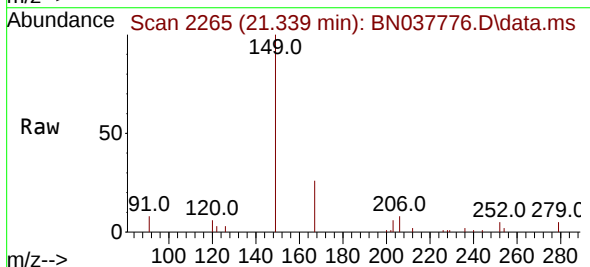
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

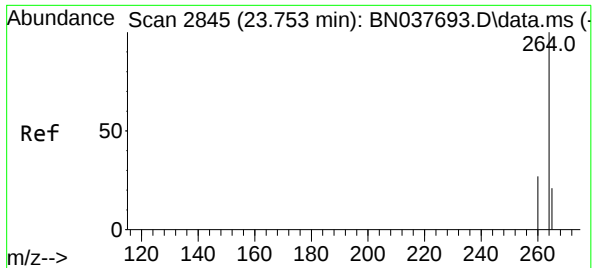
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.1  | 23.5  | 35.3  |
| 229     | 19.6  | 15.9  | 23.9  |



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.422 ng  
RT: 21.339 min Scan# 2265  
Delta R.T. -0.009 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.0  | 20.8  | 31.2  |
| 279     | 3.6   | 3.3   | 4.9   |

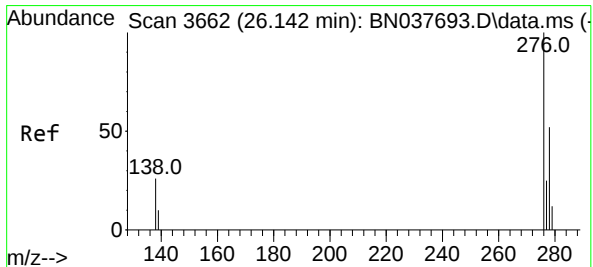
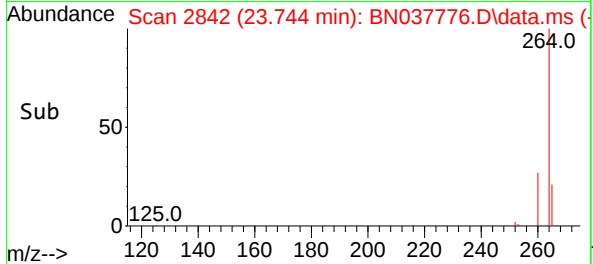
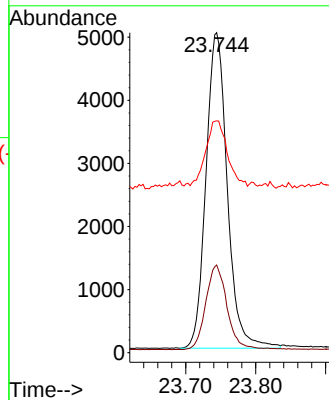
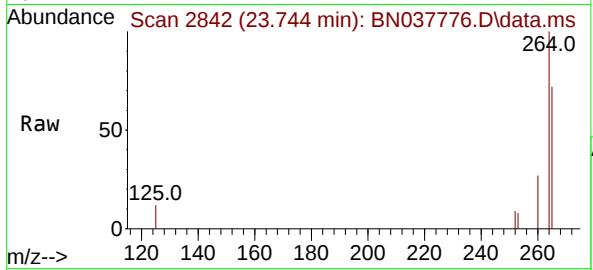




#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.744 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

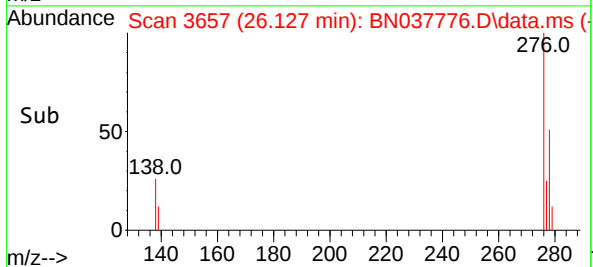
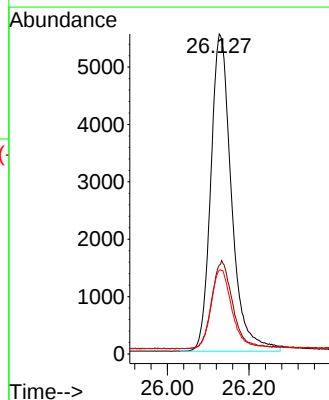
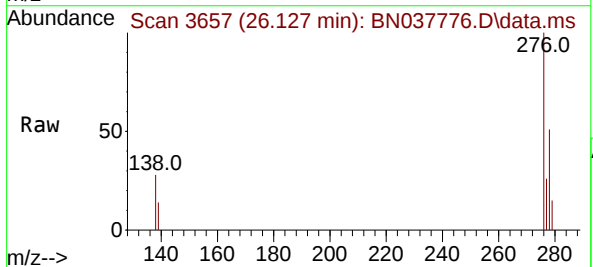
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

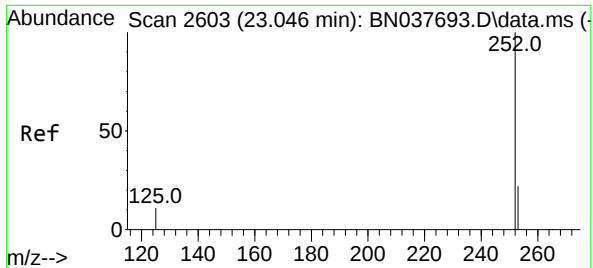
Tgt Ion:264 Resp: 10600  
Ion Ratio Lower Upper  
264 100  
260 27.4 21.8 32.8  
265 72.4 39.4 59.2#



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.437 ng  
RT: 26.127 min Scan# 3657  
Delta R.T. -0.015 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

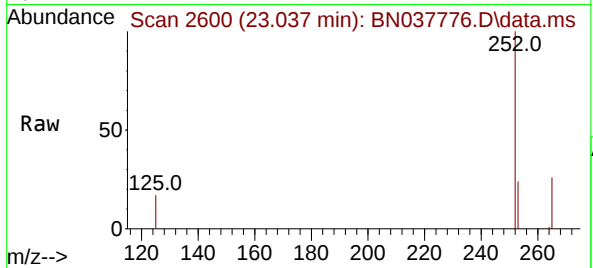
Tgt Ion:276 Resp: 19472  
Ion Ratio Lower Upper  
276 100  
138 27.6 21.9 32.9  
277 25.3 20.1 30.1



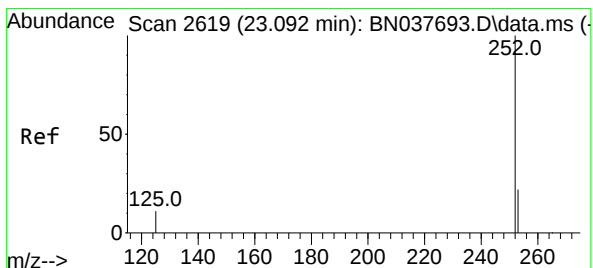
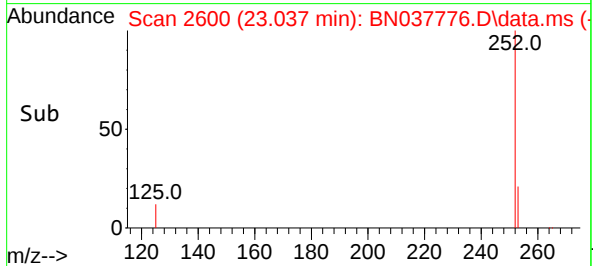
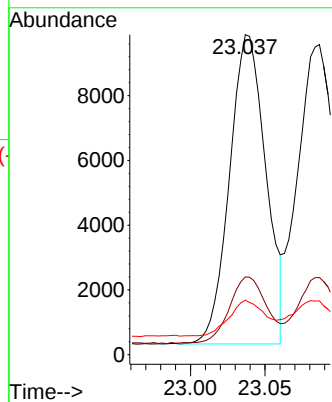


#37  
Benzo(b)fluoranthene  
Concen: 0.387 ng  
RT: 23.037 min Scan# 2600  
Delta R.T. -0.009 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

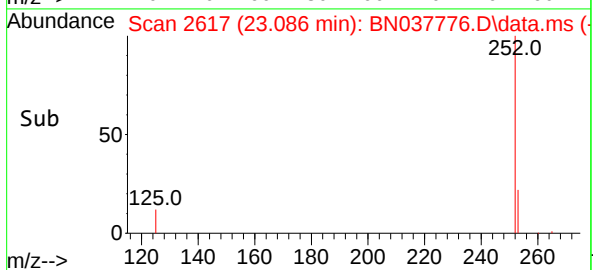
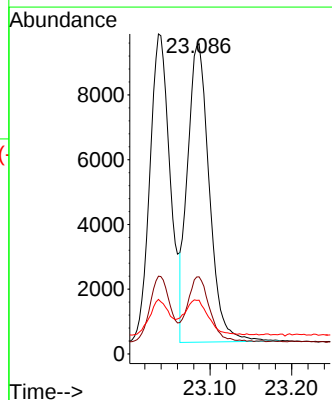
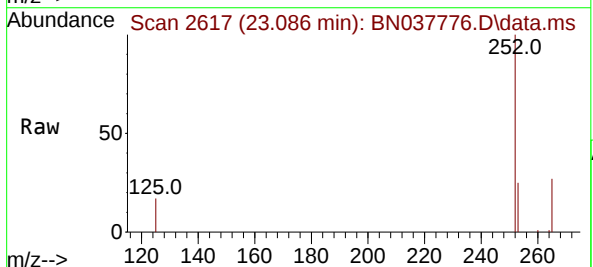


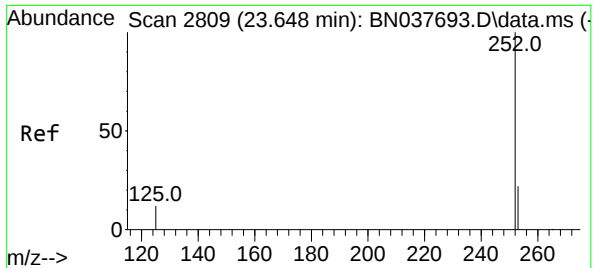
Tgt Ion:252 Resp: 16161  
Ion Ratio Lower Upper  
252 100  
253 24.3 19.4 29.2  
125 17.1 11.2 16.8#



#38  
Benzo(k)fluoranthene  
Concen: 0.402 ng  
RT: 23.086 min Scan# 2617  
Delta R.T. -0.006 min  
Lab File: BN037776.D  
Acq: 18 Sep 2025 14:32

Tgt Ion:252 Resp: 17089  
Ion Ratio Lower Upper  
252 100  
253 24.9 19.4 29.0  
125 17.3 11.6 17.4





#39

Benzo(a)pyrene

Concen: 0.394 ng

RT: 23.642 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN037776.D

Acq: 18 Sep 2025 14:32

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

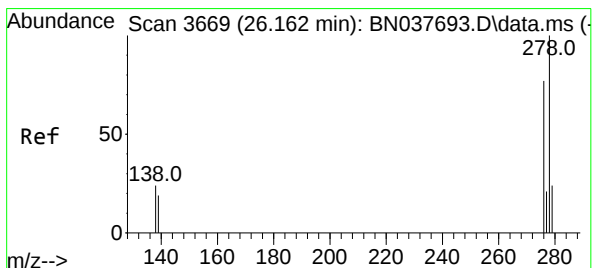
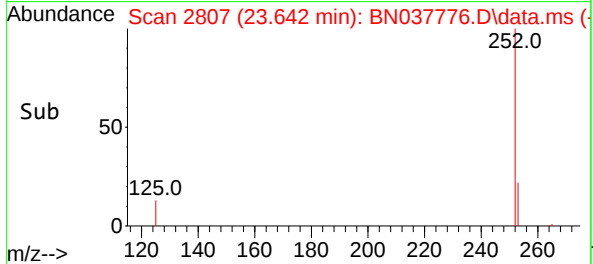
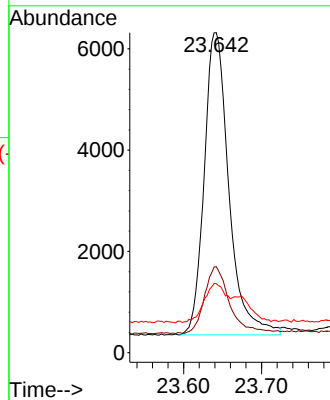
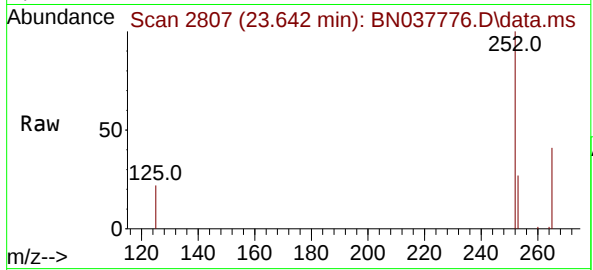
Tgt Ion:252 Resp: 13152

Ion Ratio Lower Upper

252 100

253 26.9 20.8 31.2

125 21.6 13.9 20.9#



#40

Dibenzo(a,h)anthracene

Concen: 0.436 ng

RT: 26.145 min Scan# 3663

Delta R.T. -0.018 min

Lab File: BN037776.D

Acq: 18 Sep 2025 14:32

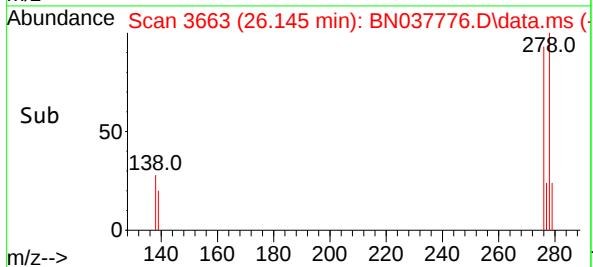
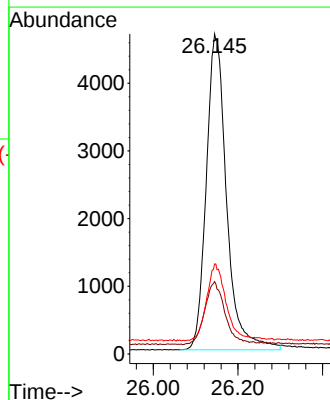
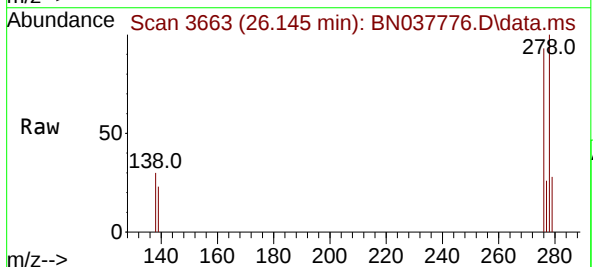
Tgt Ion:278 Resp: 15512

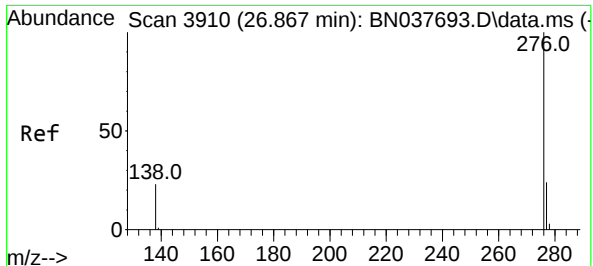
Ion Ratio Lower Upper

278 100

139 22.6 17.8 26.6

279 28.2 22.0 33.0





#41

Benzo(g,h,i)perylene

Concen: 0.413 ng

RT: 26.855 min Scan# 3906

Delta R.T. -0.012 min

Lab File: BN037776.D

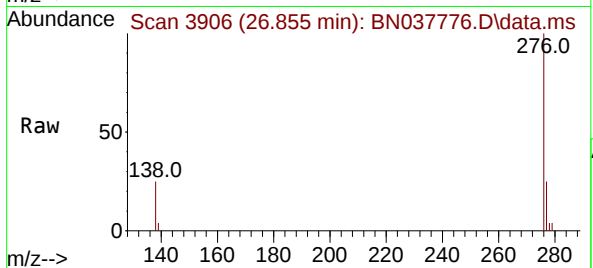
Acq: 18 Sep 2025 14:32

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4



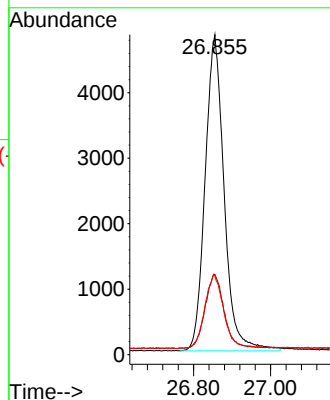
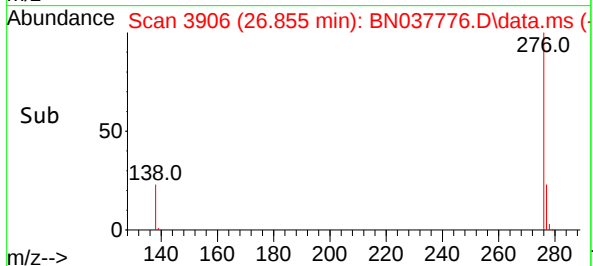
Tgt Ion:276 Resp: 16486

Ion Ratio Lower Upper

276 100

277 25.1 20.6 31.0

138 24.5 20.2 30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091825\  
 Data File : BN037776.D  
 Acq On : 18 Sep 2025 14:32  
 Operator : RC/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: Sep 18 15:01:11 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:20:01 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  | 143   | 0.00     |
| 2       | 1,4-Dioxane                | 0.417 | 0.428 | -2.6 | 145   | 0.00     |
| 3       | n-Nitrosodimethylamine     | 0.544 | 0.513 | 5.7  | 130   | 0.00     |
| 4 S     | 2-Fluorophenol             | 0.918 | 0.890 | 3.1  | 143   | 0.00     |
| 5 S     | Phenol-d6                  | 1.191 | 1.130 | 5.1  | 140   | 0.00     |
| 6       | bis(2-Chloroethyl)ether    | 1.064 | 1.059 | 0.5  | 141   | 0.00     |
| 7 I     | Naphthalene-d8             | 1.000 | 1.000 | 0.0  | 143   | -0.01    |
| 8 S     | Nitrobenzene-d5            | 0.293 | 0.298 | -1.7 | 150   | -0.01    |
| 9       | Naphthalene                | 1.093 | 1.070 | 2.1  | 143   | 0.00     |
| 10      | Hexachlorobutadiene        | 0.198 | 0.198 | 0.0  | 144   | -0.01    |
| 11 SURR | 2-Methylnaphthalene-d10    | 0.530 | 0.497 | 6.2  | 143   | -0.01    |
| 12      | 2-Methylnaphthalene        | 0.676 | 0.655 | 3.1  | 142   | -0.01    |
| 13 I    | Acenaphthene-d10           | 1.000 | 1.000 | 0.0  | 140   | -0.01    |
| 14 S    | 2,4,6-Tribromophenol       | 0.104 | 0.114 | -9.6 | 158#  | 0.00     |
| 15 S    | 2-Fluorobiphenyl           | 1.673 | 1.679 | -0.4 | 143   | 0.00     |
| 16      | Acenaphthylene             | 1.834 | 1.744 | 4.9  | 137   | 0.00     |
| 17      | Acenaphthene               | 1.240 | 1.206 | 2.7  | 139   | -0.01    |
| 18      | Fluorene                   | 1.502 | 1.397 | 7.0  | 136   | 0.00     |
| 19 I    | Phenanthrene-d10           | 1.000 | 1.000 | 0.0  | 129   | 0.00     |
| 20      | 4,6-Dinitro-2-methylphenol | 0.037 | 0.031 | 16.2 | 122   | 0.00     |
| 21      | 4-Bromophenyl-phenylether  | 0.261 | 0.264 | -1.1 | 136   | -0.01    |
| 22      | Hexachlorobenzene          | 0.300 | 0.326 | -8.7 | 143   | -0.01    |
| 23      | Atrazine                   | 0.166 | 0.158 | 4.8  | 135   | -0.01    |
| 24      | Pentachlorophenol          | 0.087 | 0.095 | -9.2 | 165#  | 0.00     |
| 25      | Phenanthrene               | 1.259 | 1.222 | 2.9  | 129   | -0.01    |
| 26      | Anthracene                 | 1.116 | 1.047 | 6.2  | 126   | -0.01    |
| 27 SURR | Fluoranthene-d10           | 1.004 | 0.839 | 16.4 | 116   | 0.00     |
| 28      | Fluoranthene               | 1.381 | 1.201 | 13.0 | 118   | 0.00     |
| 29 I    | Chrysene-d12               | 1.000 | 1.000 | 0.0  | 111   | 0.00     |
| 30      | Pyrene                     | 1.566 | 1.637 | -4.5 | 117   | 0.00     |
| 31 S    | Terphenyl-d14              | 0.812 | 0.801 | 1.4  | 111   | 0.00     |
| 32      | Benzo(a)anthracene         | 1.395 | 1.328 | 4.8  | 110   | 0.00     |
| 33      | Chrysene                   | 1.496 | 1.528 | -2.1 | 114   | 0.00     |
| 34      | Bis(2-ethylhexyl)phthalate | 0.414 | 0.436 | -5.3 | 129   | 0.00     |
| 35 I    | Perylene-d12               | 1.000 | 1.000 | 0.0  | 118   | 0.00     |
| 36      | Indeno(1,2,3-cd)pyrene     | 1.681 | 1.837 | -9.3 | 141   | -0.01    |
| 37      | Benzo(b)fluoranthene       | 1.575 | 1.525 | 3.2  | 116   | 0.00     |
| 38      | Benzo(k)fluoranthene       | 1.606 | 1.612 | -0.4 | 125   | 0.00     |
| 39 C    | Benzo(a)pyrene             | 1.261 | 1.241 | 1.6  | 122   | 0.00     |
| 40      | Dibenzo(a,h)anthracene     | 1.342 | 1.463 | -9.0 | 143   | -0.02    |
| 41      | Benzo(g,h,i)perylene       | 1.506 | 1.555 | -3.3 | 127   | -0.01    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

**Instrument :**

BNA\_N

**LabSampleId :**

SSTDCCC0.4

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091825\  
 Data File : BN037776.D  
 Acq On : 18 Sep 2025 14:32  
 Operator : RC/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: Sep 18 15:01:11 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:20:01 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     | 0.400  | 0.400 | 0.0  | 143   | 0.00     |
| 2       | 1,4-Dioxane                | 0.400  | 0.411 | -2.7 | 145   | 0.00     |
| 3       | n-Nitrosodimethylamine     | 0.400  | 0.377 | 5.8  | 130   | 0.00     |
| 4 S     | 2-Fluorophenol             | 0.400  | 0.388 | 3.0  | 143   | 0.00     |
| 5 S     | Phenol-d6                  | 0.400  | 0.380 | 5.0  | 140   | 0.00     |
| 6       | bis(2-Chloroethyl)ether    | 0.400  | 0.398 | 0.5  | 141   | 0.00     |
| 7 I     | Naphthalene-d8             | 0.400  | 0.400 | 0.0  | 143   | -0.01    |
| 8 S     | Nitrobenzene-d5            | 0.400  | 0.407 | -1.7 | 150   | -0.01    |
| 9       | Naphthalene                | 0.400  | 0.391 | 2.3  | 143   | 0.00     |
| 10      | Hexachlorobutadiene        | 0.400  | 0.400 | 0.0  | 144   | -0.01    |
| 11 SURR | 2-Methylnaphthalene-d10    | 0.400  | 0.375 | 6.3  | 143   | -0.01    |
| 12      | 2-Methylnaphthalene        | 0.400  | 0.387 | 3.3  | 142   | -0.01    |
| 13 I    | Acenaphthene-d10           | 0.400  | 0.400 | 0.0  | 140   | -0.01    |
| 14 S    | 2,4,6-Tribromophenol       | 0.400  | 0.436 | -9.0 | 158   | 0.00     |
| 15 S    | 2-Fluorobiphenyl           | 0.400  | 0.401 | -0.3 | 143   | 0.00     |
| 16      | Acenaphthylene             | 0.400  | 0.380 | 5.0  | 137   | 0.00     |
| 17      | Acenaphthene               | 0.400  | 0.389 | 2.8  | 139   | -0.01    |
| 18      | Fluorene                   | 0.400  | 0.372 | 7.0  | 136   | 0.00     |
| 19 I    | Phenanthrene-d10           | 0.400  | 0.400 | 0.0  | 129   | 0.00     |
| 20      | 4,6-Dinitro-2-methylphenol | 0.400  | 0.337 | 15.8 | 122   | 0.00     |
| 21      | 4-Bromophenyl-phenylether  | 0.400  | 0.405 | -1.3 | 136   | -0.01    |
| 22      | Hexachlorobenzene          | 0.400  | 0.435 | -8.7 | 143   | -0.01    |
| 23      | Atrazine                   | 0.400  | 0.382 | 4.5  | 135   | -0.01    |
| 24      | Pentachlorophenol          | 0.400  | 0.438 | -9.5 | 165   | 0.00     |
| 25      | Phenanthrene               | 0.400  | 0.388 | 3.0  | 129   | -0.01    |
| 26      | Anthracene                 | 0.400  | 0.375 | 6.3  | 126   | -0.01    |
| 27 SURR | Fluoranthene-d10           | 0.400  | 0.334 | 16.5 | 116   | 0.00     |
| 28      | Fluoranthene               | 0.400  | 0.348 | 13.0 | 118   | 0.00     |
| 29 I    | Chrysene-d12               | 0.400  | 0.400 | 0.0  | 111   | 0.00     |
| 30      | Pyrene                     | 0.400  | 0.418 | -4.5 | 117   | 0.00     |
| 31 S    | Terphenyl-d14              | 0.400  | 0.394 | 1.5  | 111   | 0.00     |
| 32      | Benzo(a)anthracene         | 0.400  | 0.381 | 4.8  | 110   | 0.00     |
| 33      | Chrysene                   | 0.400  | 0.408 | -2.0 | 114   | 0.00     |
| 34      | Bis(2-ethylhexyl)phthalate | 0.400  | 0.422 | -5.5 | 129   | 0.00     |
| 35 I    | Perylene-d12               | 0.400  | 0.400 | 0.0  | 118   | 0.00     |
| 36      | Indeno(1,2,3-cd)pyrene     | 0.400  | 0.437 | -9.2 | 141   | -0.01    |
| 37      | Benzo(b)fluoranthene       | 0.400  | 0.387 | 3.3  | 116   | 0.00     |
| 38      | Benzo(k)fluoranthene       | 0.400  | 0.402 | -0.5 | 125   | 0.00     |
| 39 C    | Benzo(a)pyrene             | 0.400  | 0.394 | 1.5  | 122   | 0.00     |
| 40      | Dibenzo(a,h)anthracene     | 0.400  | 0.436 | -9.0 | 143   | -0.02    |
| 41      | Benzo(g,h,i)perylene       | 0.400  | 0.413 | -3.2 | 127   | -0.01    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

**Instrument :**

BNA\_N

**LabSampleId :**

SSTDCCC0.4



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

7C

## SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01  
 Lab Code: ACE SDG No.: Q3083  
 Instrument ID: BNA\_N Calibration Date/Time: 09/19/2025 14:19  
 Lab File ID: BN037813.D Init. Calib. Date(s): 09/11/2025 09/11/2025  
 EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 09:56 13:33  
 GC Column: ZB-GR ID: 0.25 (mm)

| COMPOUND                | RRF   | RRF0.4 | MIN<br>RRF | %D    | MAX%D |
|-------------------------|-------|--------|------------|-------|-------|
| 2-Methylnaphthalene-d10 | 0.530 | 0.473  |            | -10.8 | 20.0  |
| Fluoranthene-d10        | 1.004 | 0.897  |            | -10.7 | 20.0  |
| 2-Fluorophenol          | 0.918 | 0.947  |            | 3.2   | 20.0  |
| Phenol-d6               | 1.191 | 1.079  |            | -9.4  | 20.0  |
| Nitrobenzene-d5         | 0.293 | 0.284  |            | -3.1  | 20.0  |
| Naphthalene             | 1.093 | 1.055  |            | -3.5  | 20.0  |
| 2-Fluorobiphenyl        | 1.673 | 1.589  |            | -5.0  | 20.0  |
| Acenaphthylene          | 1.834 | 1.643  |            | -10.4 | 20.0  |
| Acenaphthene            | 1.240 | 1.149  |            | -7.3  | 20.0  |
| Fluorene                | 1.502 | 1.334  |            | -11.2 | 20.0  |
| 2,4,6-Tribromophenol    | 0.104 | 0.121  |            | 16.3  | 20.0  |
| Phenanthrene            | 1.259 | 1.201  |            | -4.6  | 20.0  |
| Anthracene              | 1.116 | 1.032  |            | -7.5  | 20.0  |
| Fluoranthene            | 1.381 | 1.286  |            | -6.9  | 20.0  |
| Pyrene                  | 1.566 | 1.455  |            | -7.1  | 20.0  |
| Terphenyl-d14           | 0.812 | 0.730  |            | -10.1 | 20.0  |
| Benzo(a)anthracene      | 1.395 | 1.279  |            | -8.3  | 20.0  |
| Chrysene                | 1.496 | 1.448  |            | -3.2  | 20.0  |
| Benzo(b)fluoranthene    | 1.575 | 1.562  |            | -0.8  | 20.0  |
| Benzo(k)fluoranthene    | 1.606 | 1.543  |            | -3.9  | 20.0  |
| Benzo(a)pyrene          | 1.261 | 1.211  |            | -4.0  | 20.0  |
| Indeno(1,2,3-cd)pyrene  | 1.681 | 1.670  |            | -0.7  | 20.0  |
| Dibenzo(a,h)anthracene  | 1.342 | 1.263  |            | -5.9  | 20.0  |
| Benzo(g,h,i)perylene    | 1.506 | 1.486  |            | -1.3  | 20.0  |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091925\  
 Data File : BN037813.D  
 Acq On : 19 Sep 2025 14:19  
 Operator : RC/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 SSTDCCC0.4

Quant Time: Sep 19 15:09:21 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:20:01 2025  
 Response via : Initial Calibration

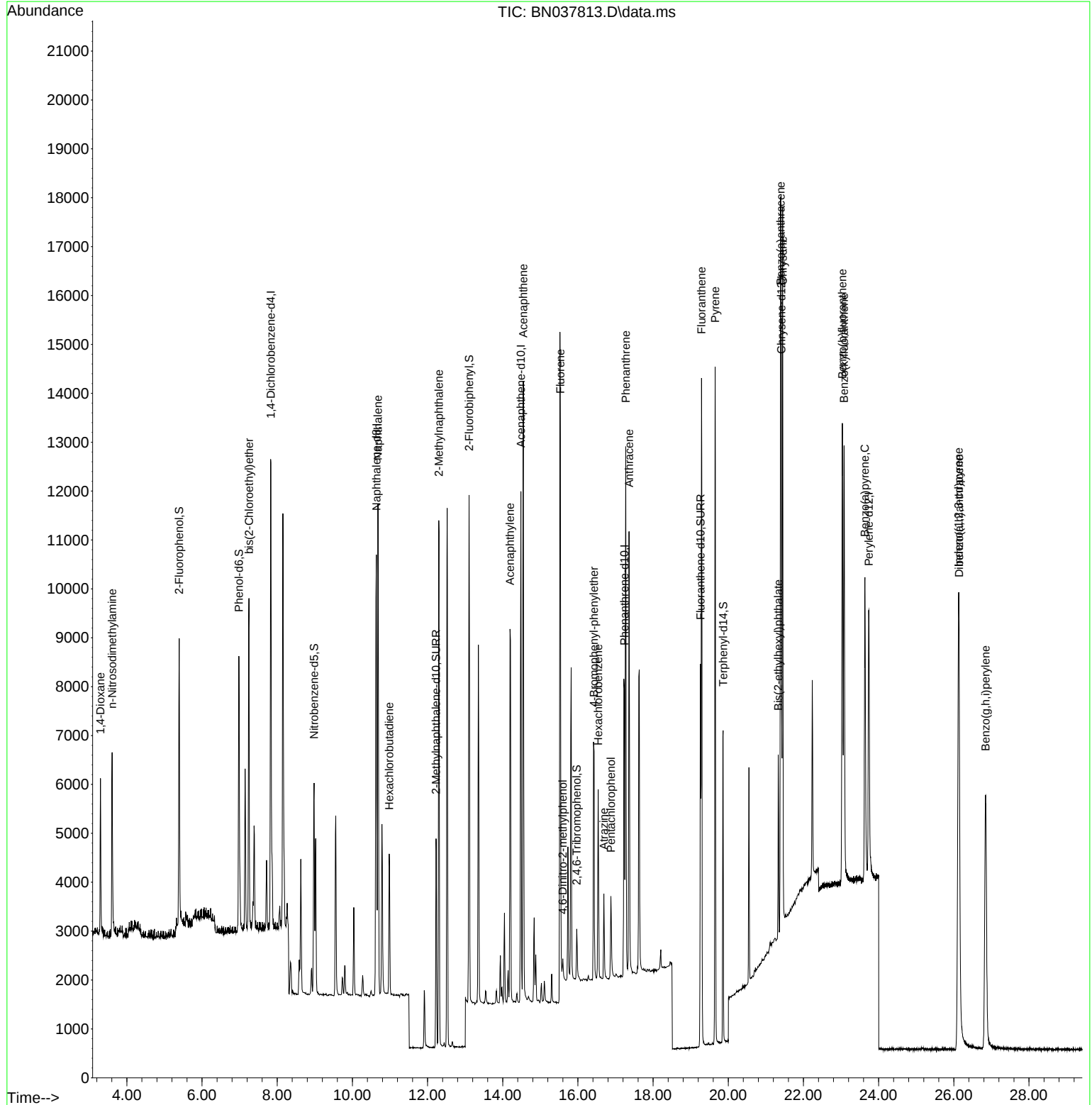
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.833  | 152  | 4812     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.637 | 136  | 12410    | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 14.484 | 164  | 5585     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.235 | 188  | 9638     | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.411 | 240  | 8466     | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.739 | 264  | 8084     | 0.400 | ng    | #-0.01   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.392  | 112  | 4556     | 0.412 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.981  | 99   | 5192     | 0.362 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.982  | 82   | 3525     | 0.388 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.228 | 152  | 5866     | 0.357 | ng    | -0.02    |
| 14) 2,4,6-Tribromophenol      | 15.969 | 330  | 674      | 0.463 | ng    | -0.01    |
| 15) 2-Fluorobiphenyl          | 13.105 | 172  | 8872     | 0.380 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.262 | 212  | 8646     | 0.357 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.861 | 244  | 6183     | 0.360 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.297  | 88   | 1973     | 0.394 | ng    | 96       |
| 3) n-Nitrosodimethylamine     | 3.608  | 42   | 2320     | 0.354 | ng    | 92       |
| 6) bis(2-Chloroethyl)ether    | 7.248  | 93   | 4798     | 0.375 | ng    | 99       |
| 9) Naphthalene                | 10.680 | 128  | 13094    | 0.386 | ng    | 99       |
| 10) Hexachlorobutadiene       | 10.979 | 225  | 2398     | 0.391 | ng    | # 100    |
| 12) 2-Methylnaphthalene       | 12.299 | 142  | 7752     | 0.369 | ng    | 98       |
| 16) Acenaphthylene            | 14.195 | 152  | 9175     | 0.358 | ng    | 100      |
| 17) Acenaphthene              | 14.548 | 154  | 6415     | 0.370 | ng    | 97       |
| 18) Fluorene                  | 15.535 | 166  | 7451     | 0.355 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.597 | 198  | 309      | 0.346 | ng    | # 73     |
| 21) 4-Bromophenyl-phenylether | 16.429 | 248  | 2295     | 0.365 | ng    | # 95     |
| 22) Hexachlorobenzene         | 16.540 | 284  | 3006     | 0.416 | ng    | 98       |
| 23) Atrazine                  | 16.689 | 200  | 1460     | 0.365 | ng    | 96       |
| 24) Pentachlorophenol         | 16.876 | 266  | 969      | 0.462 | ng    | 96       |
| 25) Phenanthrene              | 17.273 | 178  | 11575    | 0.381 | ng    | 100      |
| 26) Anthracene                | 17.360 | 178  | 9951     | 0.370 | ng    | 99       |
| 28) Fluoranthene              | 19.290 | 202  | 12394    | 0.372 | ng    | 100      |
| 30) Pyrene                    | 19.652 | 202  | 12322    | 0.372 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.393 | 228  | 10829    | 0.367 | ng    | 99       |
| 33) Chrysene                  | 21.447 | 228  | 12256    | 0.387 | ng    | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.331 | 149  | 3318     | 0.379 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.124 | 276  | 13502    | 0.398 | ng    | 98       |
| 37) Benzo(b)fluoranthene      | 23.034 | 252  | 12627    | 0.397 | ng    | # 95     |
| 38) Benzo(k)fluoranthene      | 23.081 | 252  | 12470    | 0.384 | ng    | # 95     |
| 39) Benzo(a)pyrene            | 23.633 | 252  | 9793     | 0.384 | ng    | # 93     |
| 40) Dibenzo(a,h)anthracene    | 26.139 | 278  | 10208    | 0.376 | ng    | 98       |
| 41) Benzo(g,h,i)perylene      | 26.846 | 276  | 12010    | 0.395 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

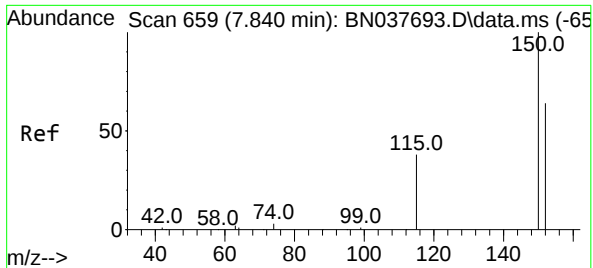
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091925\  
Data File : BN037813.D  
Acq On : 19 Sep 2025 14:19  
Operator : RC/JU  
Sample : SSTDCCC0.4  
Misc :  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

Quant Time: Sep 19 15:09:21 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 11 14:20:01 2025  
Response via : Initial Calibration

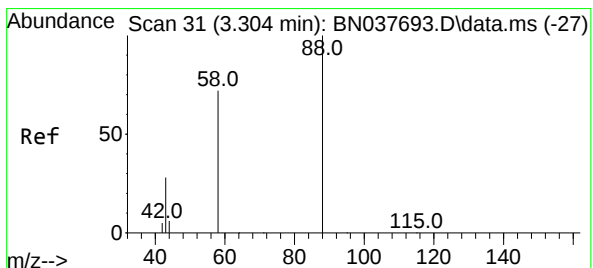
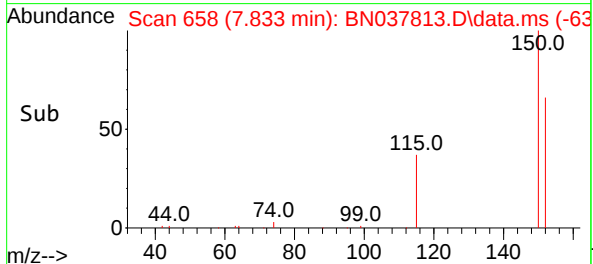
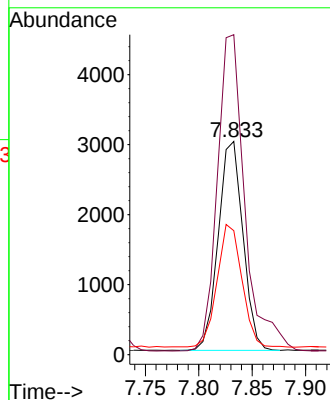
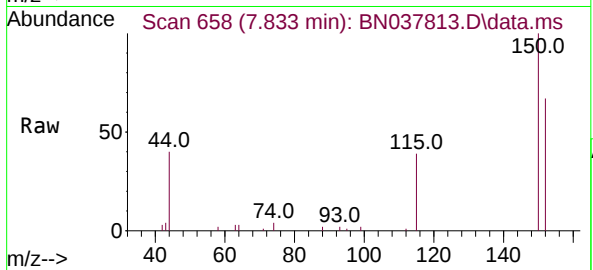




#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.833 min Scan# 61  
Delta R.T. -0.007 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

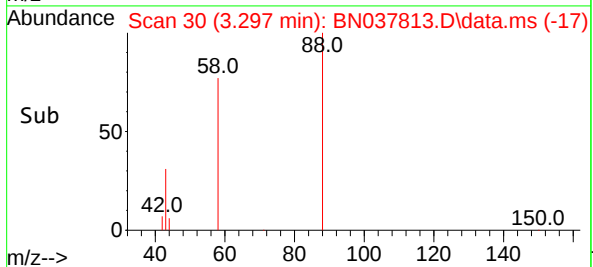
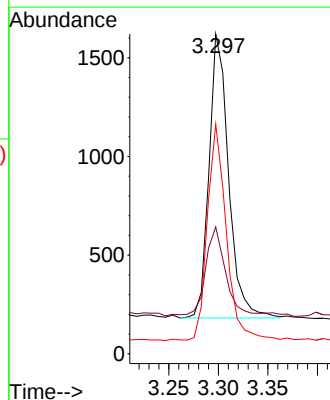
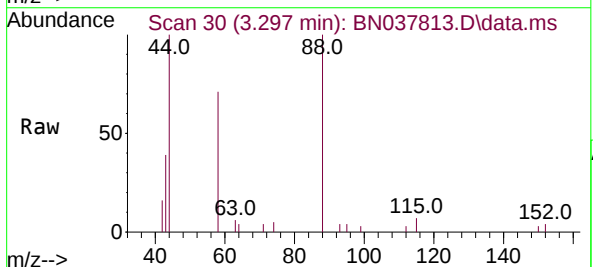
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

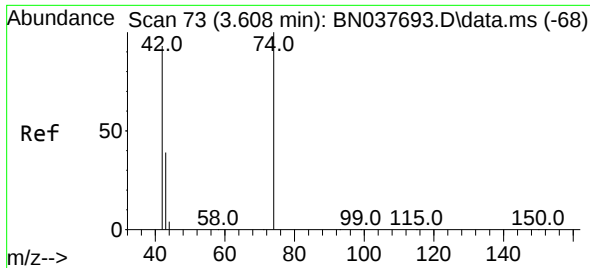
Tgt Ion:152 Resp: 4812  
Ion Ratio Lower Upper  
152 100  
150 150.0 124.5 186.7  
115 58.1 49.2 73.8



#2  
1,4-Dioxane  
Concen: 0.394 ng  
RT: 3.297 min Scan# 30  
Delta R.T. -0.007 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

Tgt Ion: 88 Resp: 1973  
Ion Ratio Lower Upper  
88 100  
43 30.5 26.8 40.2  
58 74.5 61.9 92.9

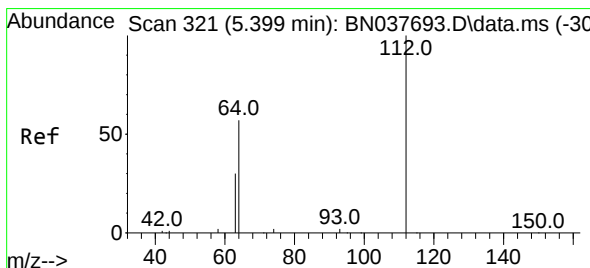
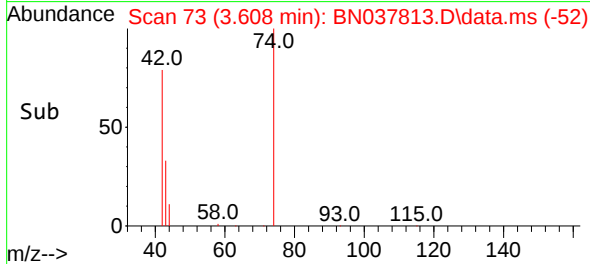
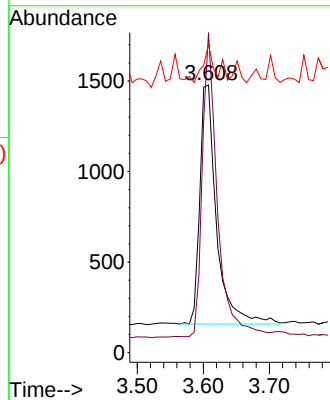
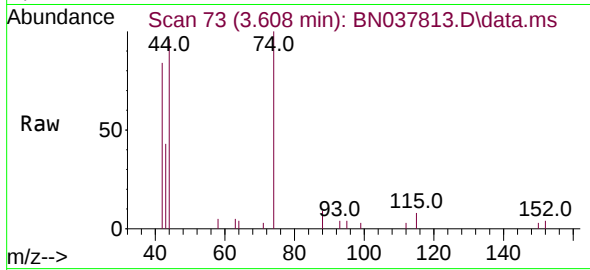




#3  
n-Nitrosodimethylamine  
Concen: 0.354 ng  
RT: 3.608 min Scan# 73  
Delta R.T. 0.000 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

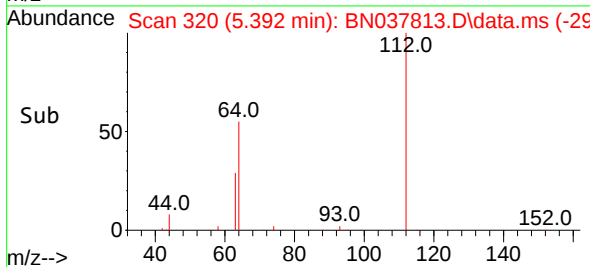
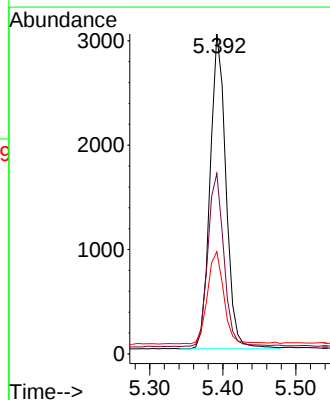
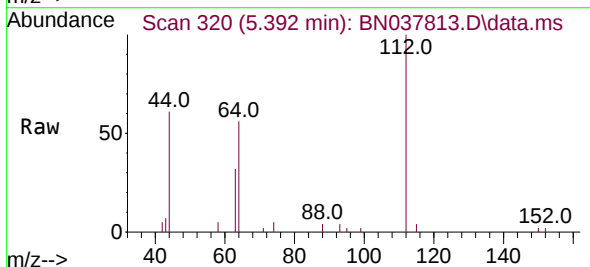
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

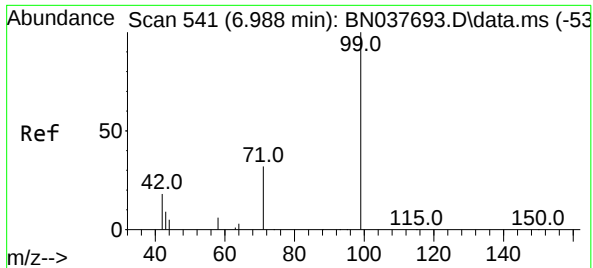
Tgt Ion: 42 Resp: 2320  
Ion Ratio Lower Upper  
42 100  
74 116.8 86.0 129.0  
44 10.1 8.4 12.6



#4  
2-Fluorophenol  
Concen: 0.412 ng  
RT: 5.392 min Scan# 320  
Delta R.T. -0.007 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

Tgt Ion: 112 Resp: 4556  
Ion Ratio Lower Upper  
112 100  
64 55.9 44.9 67.3  
63 30.0 24.7 37.1

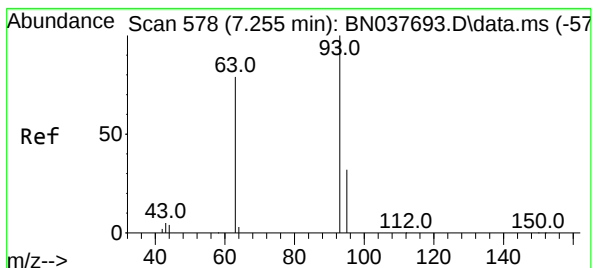
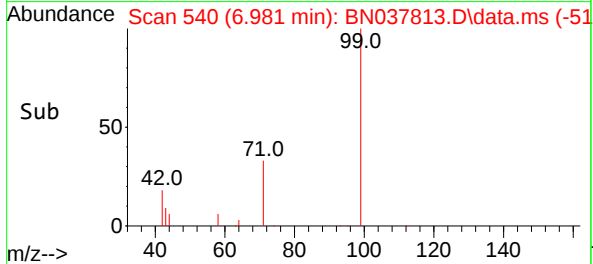
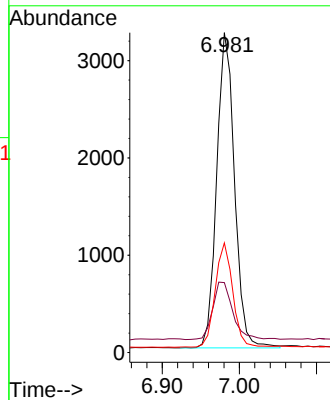
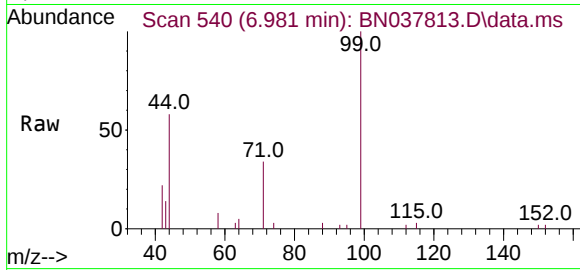




#5  
Phenol-d6  
Concen: 0.362 ng  
RT: 6.981 min Scan# 541  
Delta R.T. -0.007 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

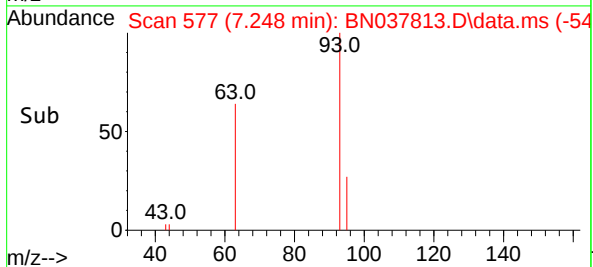
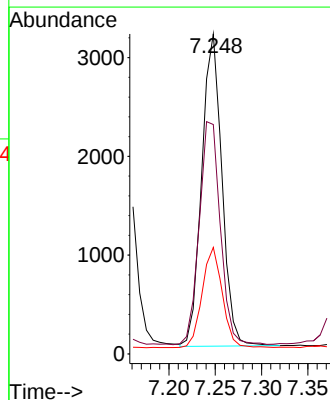
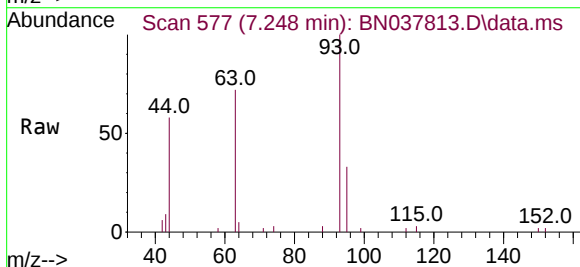
Instrument :  
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ClientSampleId :  
SSTDCCC0.4

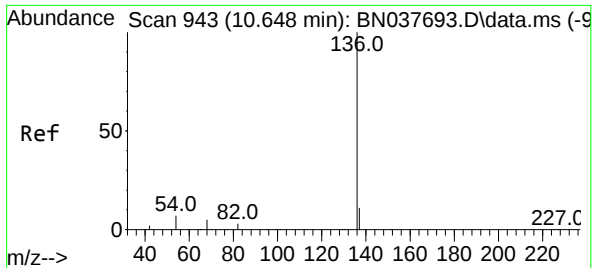
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 20.6  | 16.6  | 24.8  |
| 71      | 33.1  | 26.7  | 40.1  |



#6  
bis(2-Chloroethyl)ether  
Concen: 0.375 ng  
RT: 7.248 min Scan# 577  
Delta R.T. -0.007 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 74.7  | 60.6  | 90.8  |
| 95      | 32.1  | 26.0  | 39.0  |

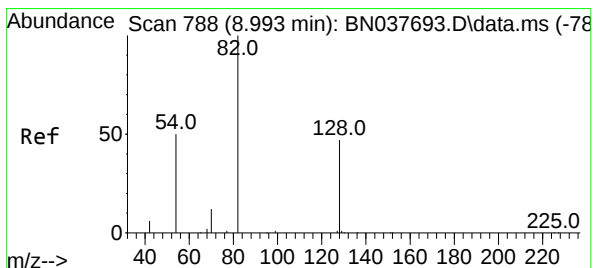
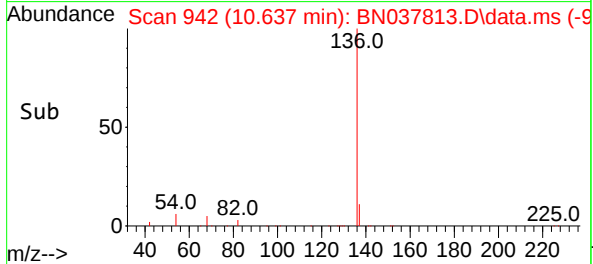
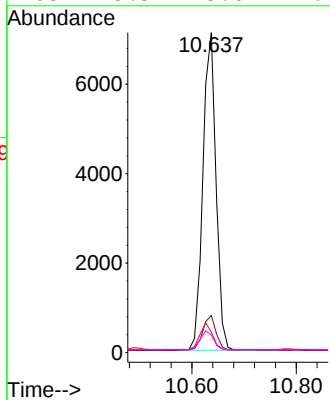
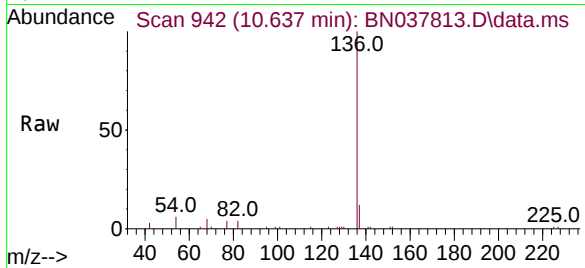




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.637 min Scan# 94  
Delta R.T. -0.011 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

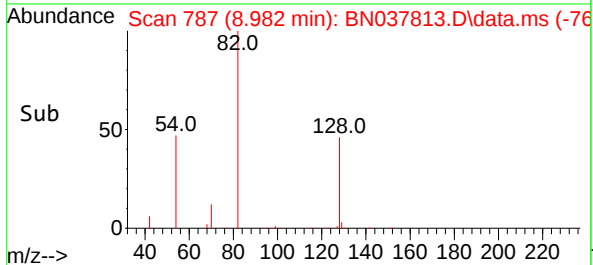
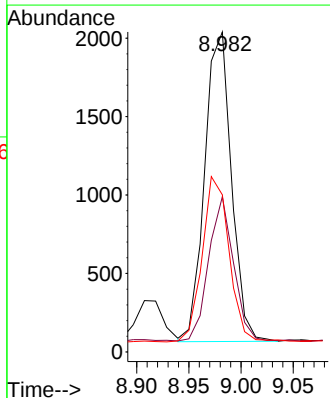
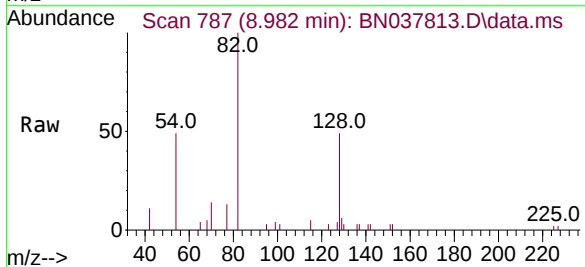
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

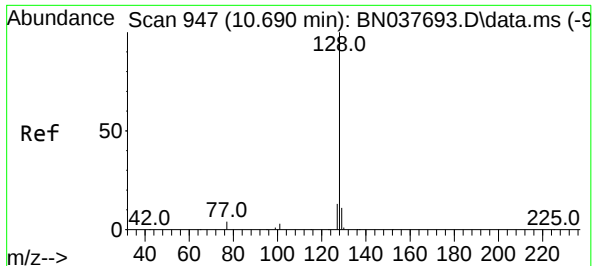
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 12410 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.6  | 9.1   | 13.7  |
| 54       | 6.4   | 6.3   | 9.5   |
| 68       | 5.5   | 5.0   | 7.4   |



#8  
Nitrobenzene-d5  
Concen: 0.388 ng  
RT: 8.982 min Scan# 787  
Delta R.T. -0.011 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 3525  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 48.5  | 38.3  | 57.5  |
| 54       | 49.1  | 41.4  | 62.2  |

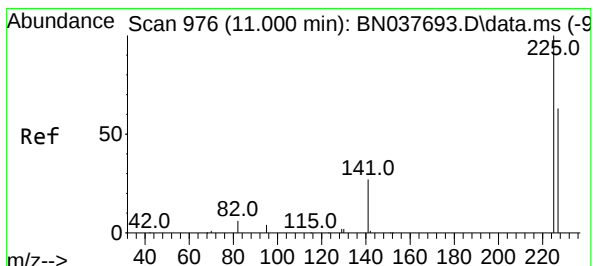
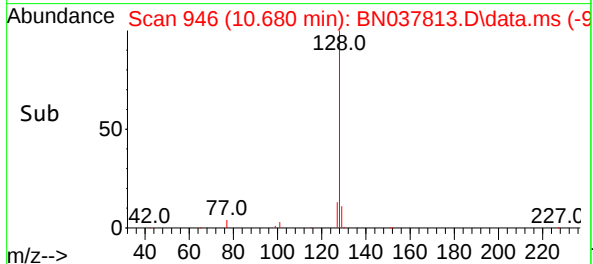
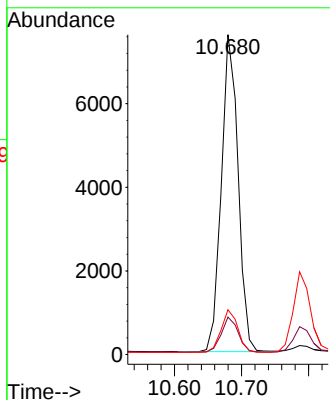
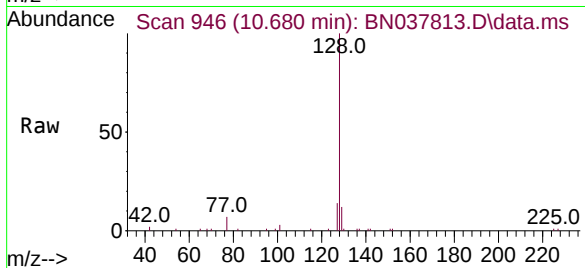




#9  
Naphthalene  
Concen: 0.386 ng  
RT: 10.680 min Scan# 94  
Delta R.T. -0.011 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

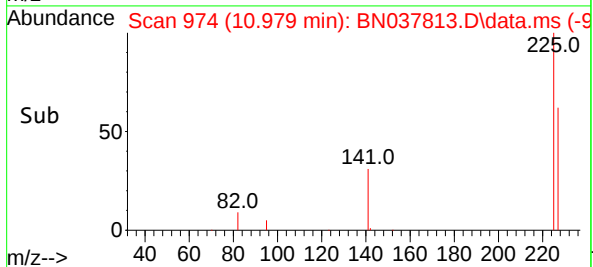
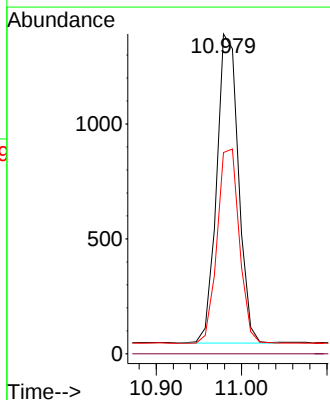
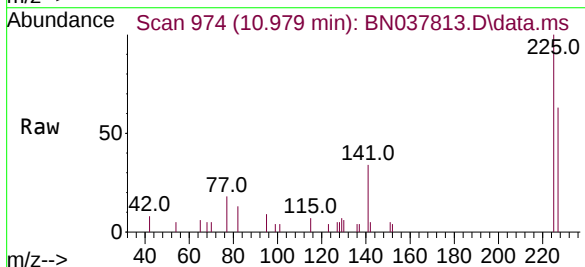
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

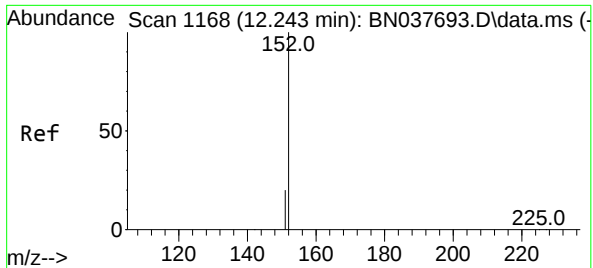
Tgt Ion:128 Resp: 13094  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.1 13.7  
127 14.0 10.9 16.3



#10  
Hexachlorobutadiene  
Concen: 0.391 ng  
RT: 10.979 min Scan# 974  
Delta R.T. -0.021 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

Tgt Ion:225 Resp: 2398  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 64.0 50.9 76.3

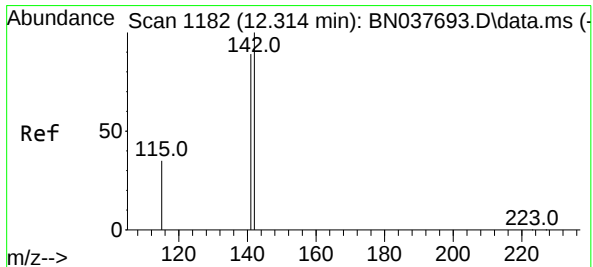
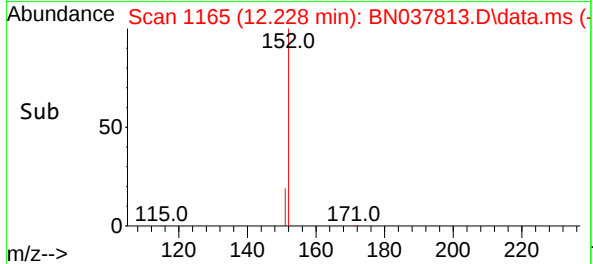
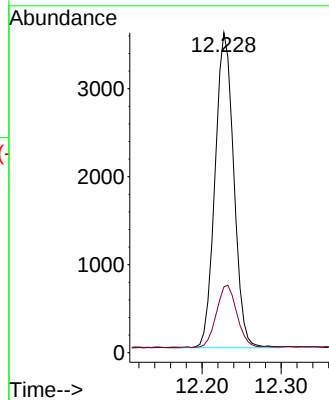
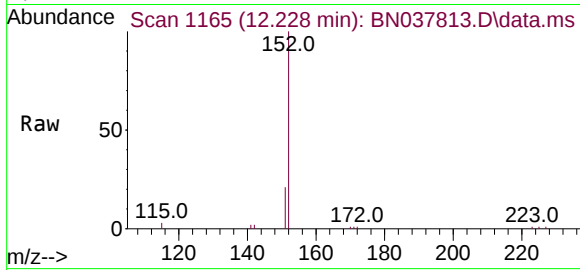




#11  
2-Methylnaphthalene-d10  
Concen: 0.357 ng  
RT: 12.228 min Scan# 1165  
Delta R.T. -0.015 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

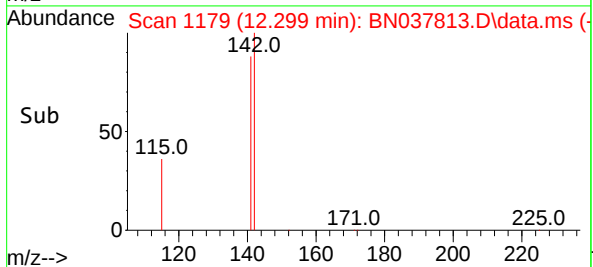
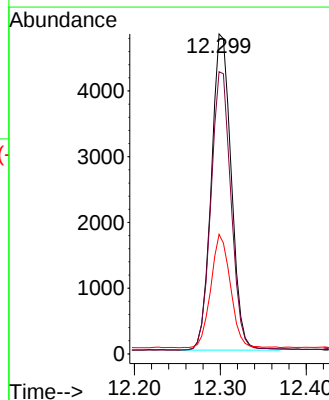
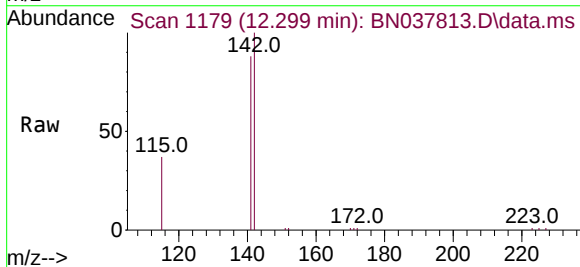
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

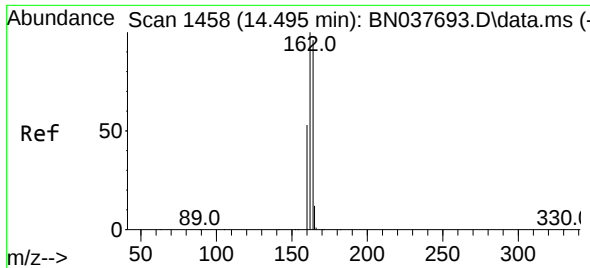
Tgt Ion:152 Resp: 5866  
Ion Ratio Lower Upper  
152 100  
151 21.8 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 0.369 ng  
RT: 12.299 min Scan# 1179  
Delta R.T. -0.015 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

Tgt Ion:142 Resp: 7752  
Ion Ratio Lower Upper  
142 100  
141 88.2 71.6 107.4  
115 37.3 28.6 43.0

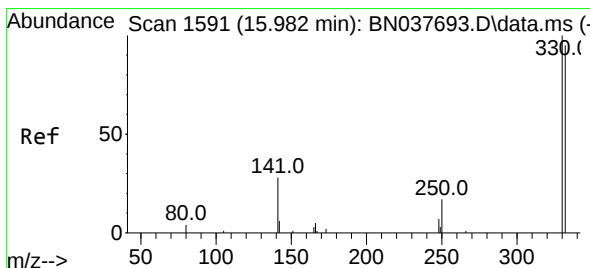
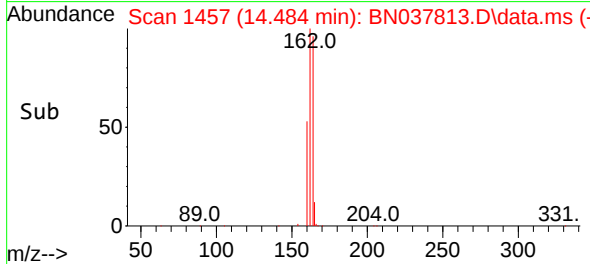
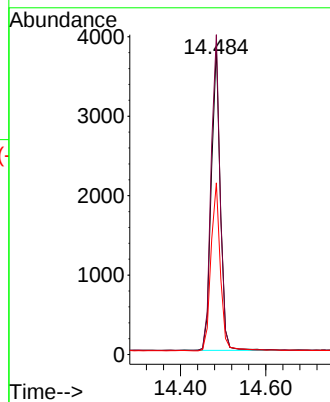
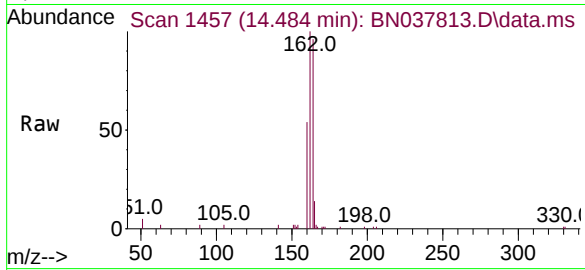




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.484 min Scan# 1458  
Delta R.T. -0.011 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

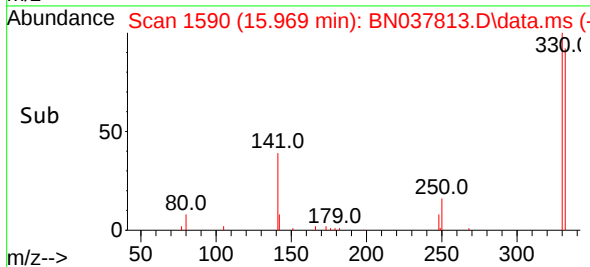
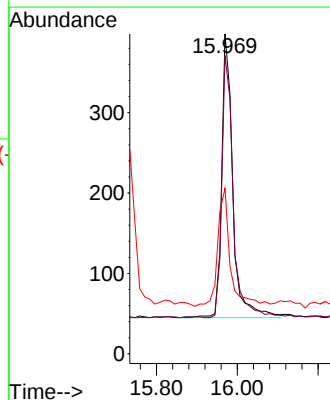
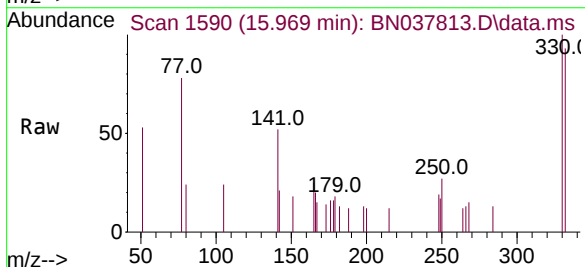
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

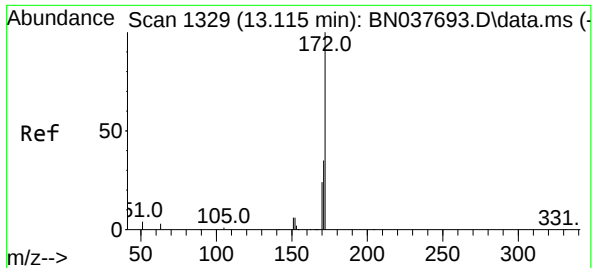
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.0 | 83.1  | 124.7 |
| 160     | 55.8  | 44.3  | 66.5  |



#14  
2,4,6-Tribromophenol  
Concen: 0.463 ng  
RT: 15.969 min Scan# 1590  
Delta R.T. -0.013 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.2  | 75.3  | 112.9 |
| 141     | 47.2  | 35.0  | 52.4  |

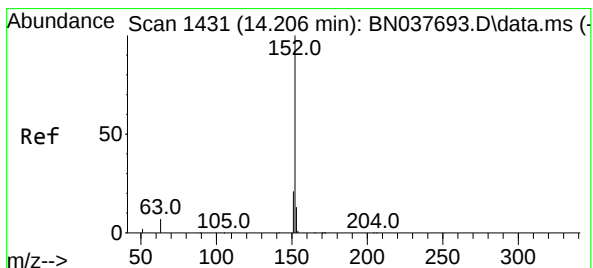
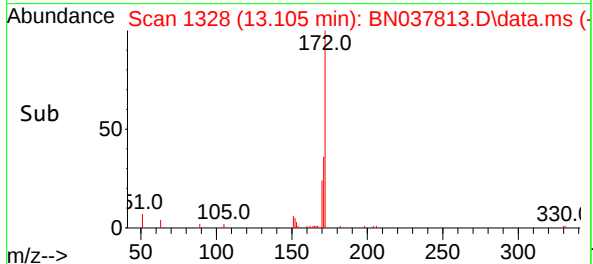
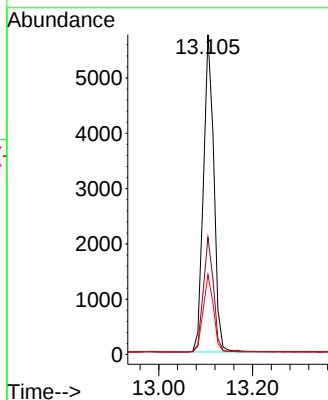
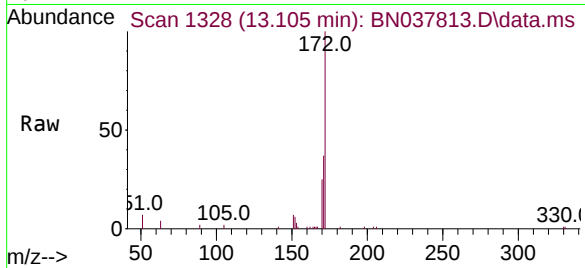




#15  
2-Fluorobiphenyl  
Concen: 0.380 ng  
RT: 13.105 min Scan# 1328  
Delta R.T. -0.011 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

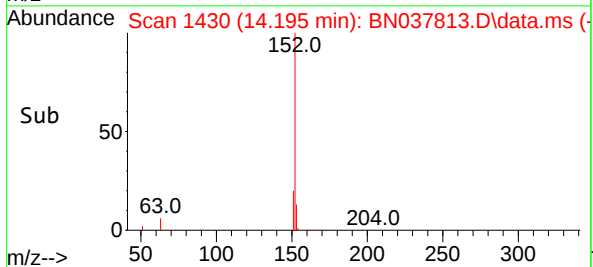
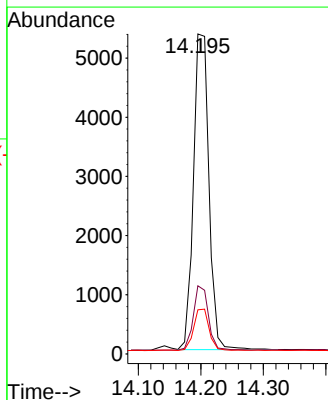
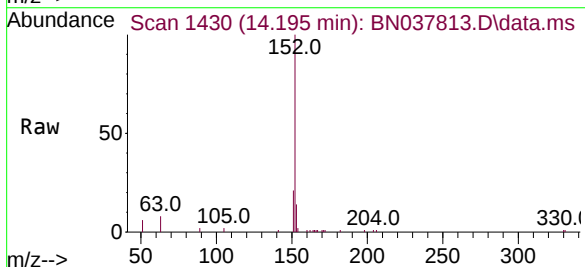
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

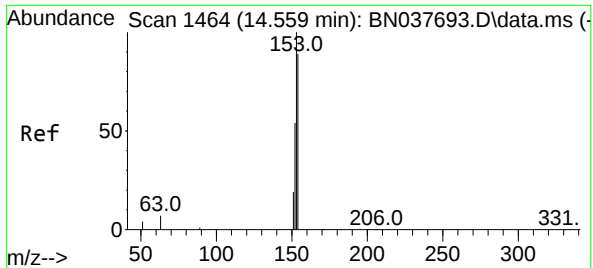
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.6  | 28.6  | 43.0  |
| 170     | 25.0  | 19.8  | 29.8  |



#16  
Acenaphthylene  
Concen: 0.358 ng  
RT: 14.195 min Scan# 1430  
Delta R.T. -0.011 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.1  | 16.2  | 24.2  |
| 153     | 13.4  | 10.4  | 15.6  |

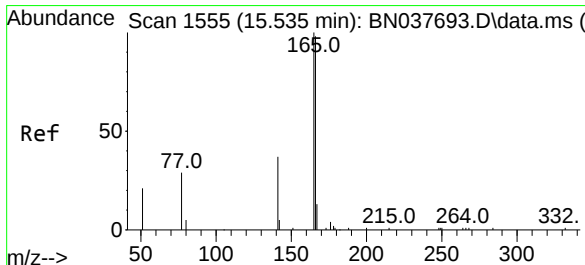
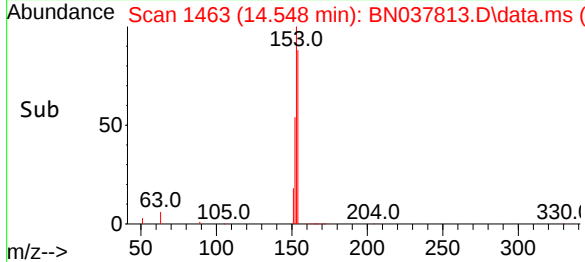
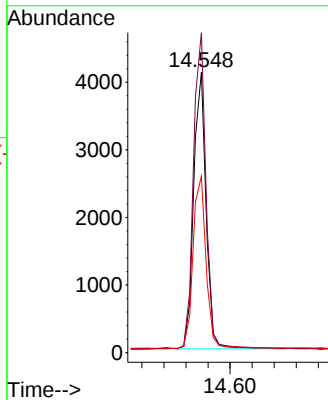
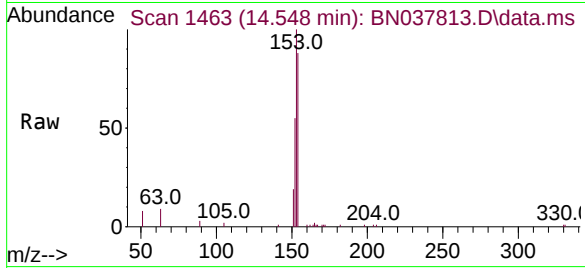




#17  
Acenaphthene  
Concen: 0.370 ng  
RT: 14.548 min Scan# 1463  
Delta R.T. -0.011 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

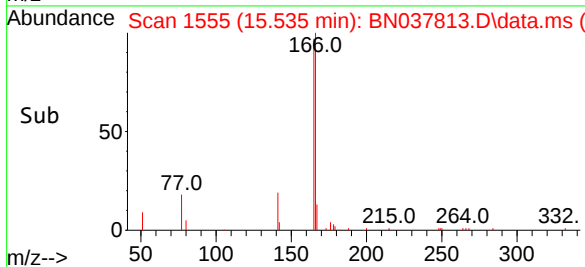
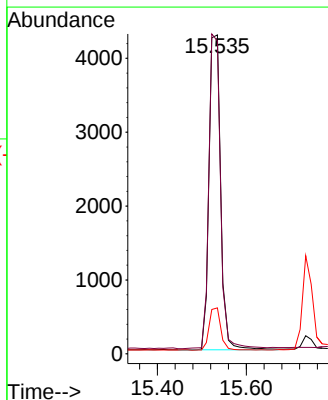
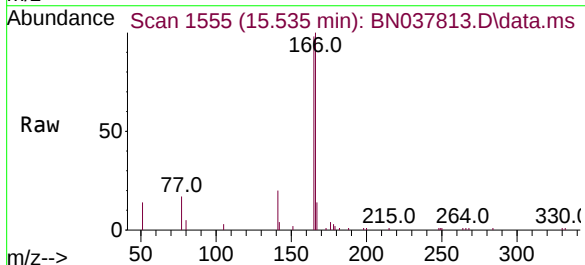
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

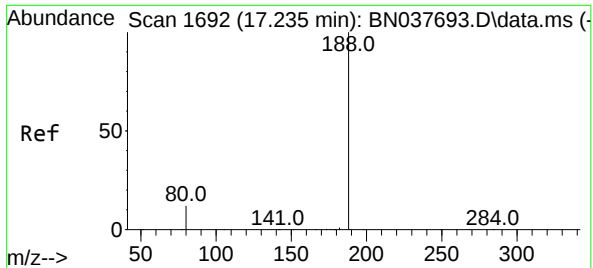
Tgt Ion:154 Resp: 6415  
Ion Ratio Lower Upper  
154 100  
153 115.7 89.8 134.8  
152 65.5 50.2 75.2



#18  
Fluorene  
Concen: 0.355 ng  
RT: 15.535 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

Tgt Ion:166 Resp: 7451  
Ion Ratio Lower Upper  
166 100  
165 99.6 79.6 119.4  
167 13.8 10.6 16.0





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.235 min Scan# 1692

Delta R.T. 0.000 min

Lab File: BN037813.D

Acq: 19 Sep 2025 14:19

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

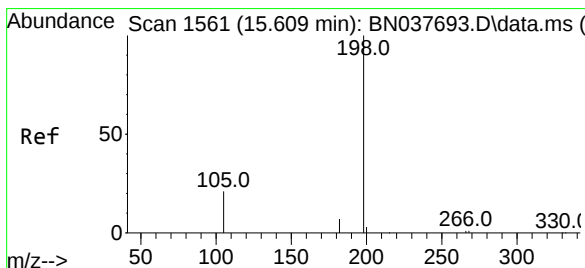
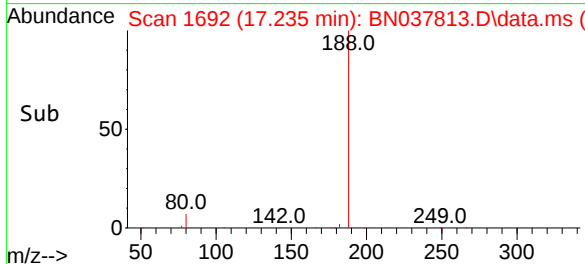
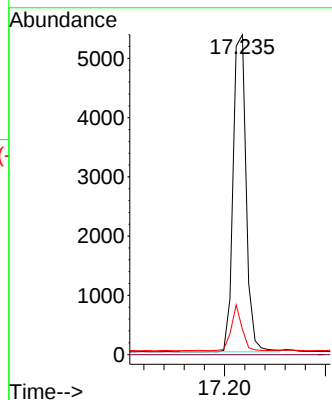
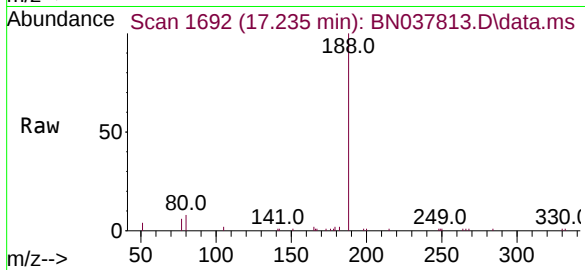
Tgt Ion:188 Resp: 9638

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 7.9 10.6 15.8#



#20

4,6-Dinitro-2-methylphenol

Concen: 0.346 ng

RT: 15.597 min Scan# 1560

Delta R.T. -0.012 min

Lab File: BN037813.D

Acq: 19 Sep 2025 14:19

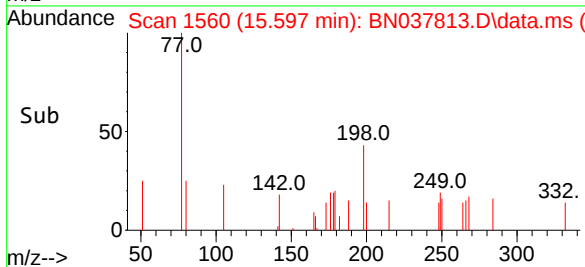
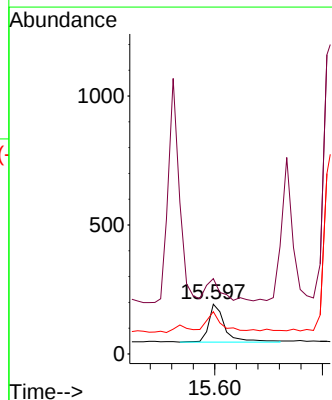
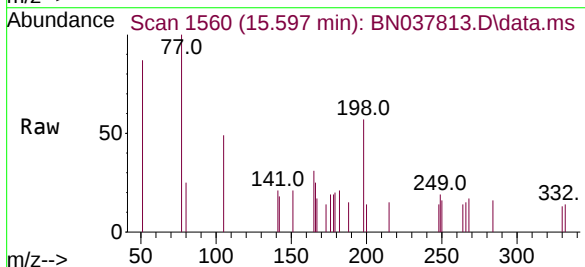
Tgt Ion:198 Resp: 309

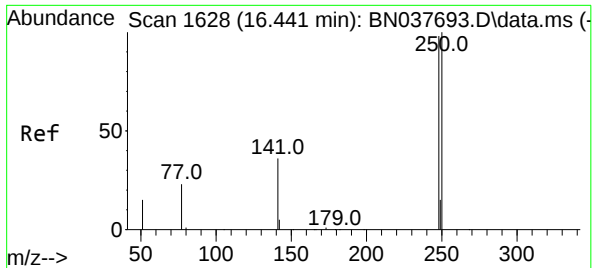
Ion Ratio Lower Upper

198 100

51 151.3 95.1 142.7#

105 85.0 53.8 80.6#

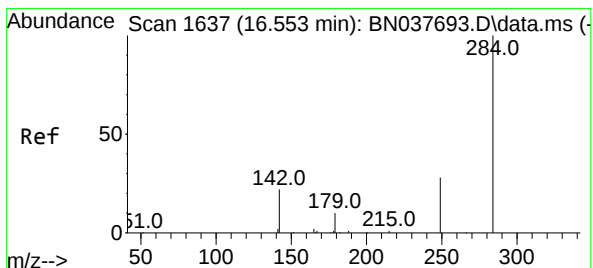
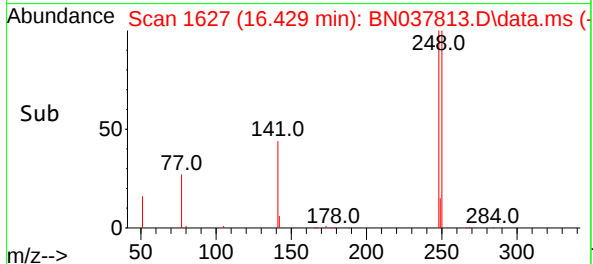
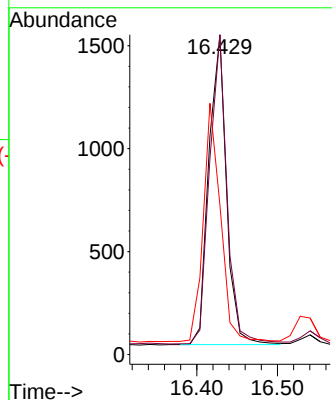
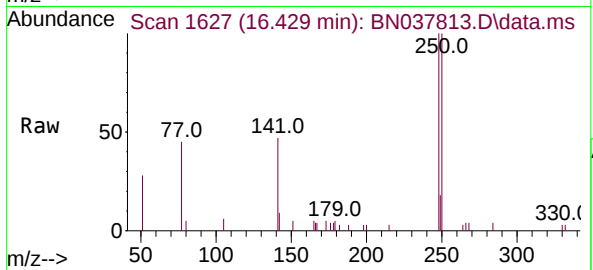




#21  
4-Bromophenyl-phenylether  
Concen: 0.365 ng  
RT: 16.429 min Scan# 1627  
Delta R.T. -0.012 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

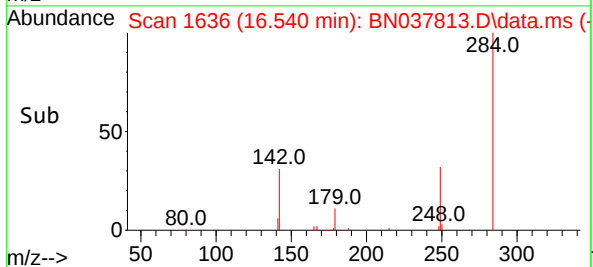
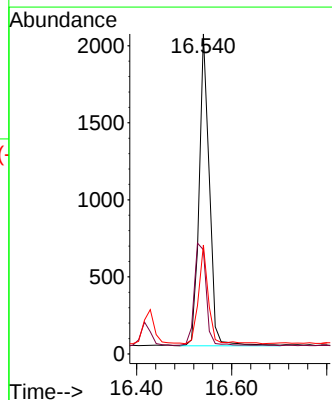
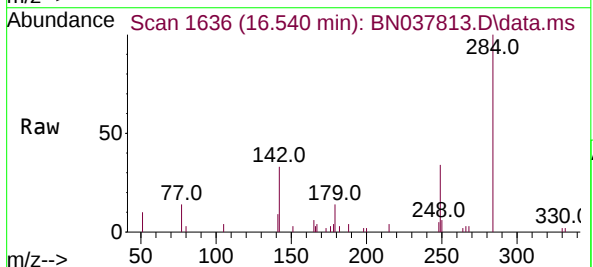
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

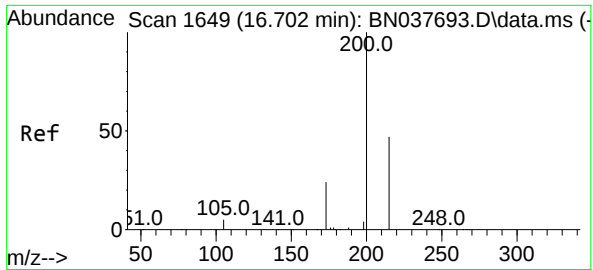
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 100.1 | 81.5  | 122.3 |
| 141     | 46.9  | 30.8  | 46.2# |



#22  
Hexachlorobenzene  
Concen: 0.416 ng  
RT: 16.540 min Scan# 1636  
Delta R.T. -0.012 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 38.9  | 30.9  | 46.3  |
| 249     | 28.8  | 24.8  | 37.2  |

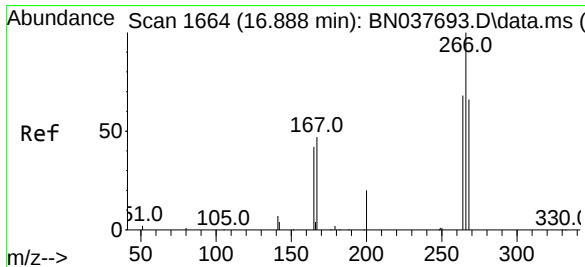
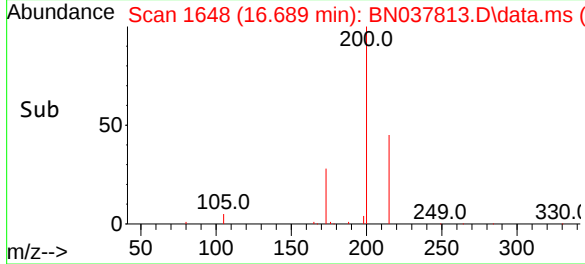
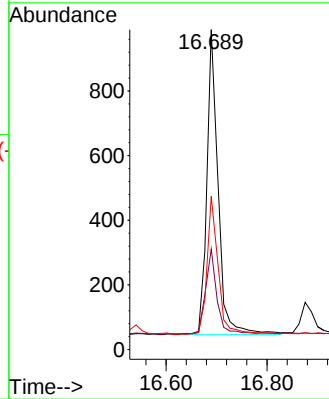
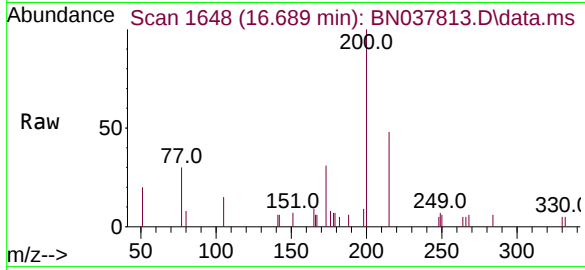




#23  
Atrazine  
Concen: 0.365 ng  
RT: 16.689 min Scan# 1648  
Delta R.T. -0.012 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

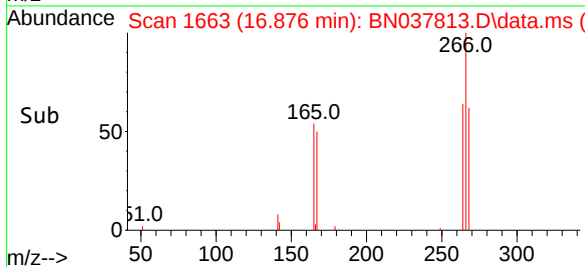
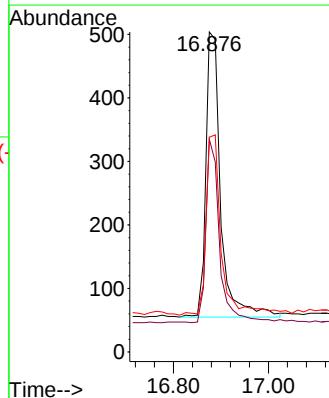
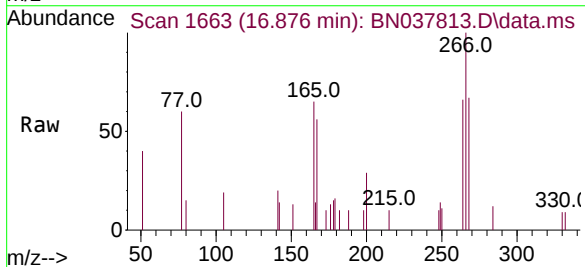
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

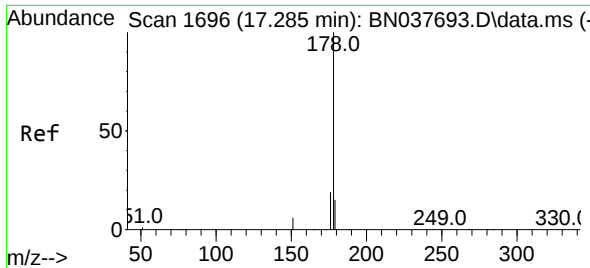
| Tgt Ion   | 200   | Resp: | 1460 |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 200       | 100   |       |      |
| 173       | 31.4  | 21.4  | 32.2 |
| 215       | 47.9  | 39.2  | 58.8 |



#24  
Pentachlorophenol  
Concen: 0.462 ng  
RT: 16.876 min Scan# 1663  
Delta R.T. -0.012 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

| Tgt Ion   | 266   | Resp: | 969  |
|-----------|-------|-------|------|
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 59.3  | 51.6  | 77.4 |
| 268       | 65.4  | 53.2  | 79.8 |

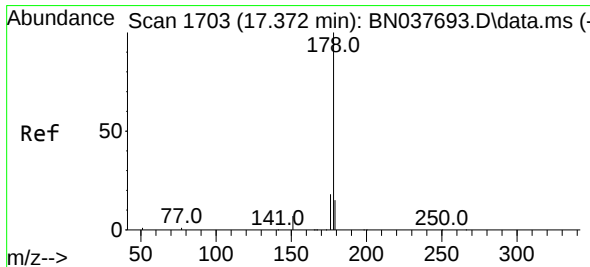
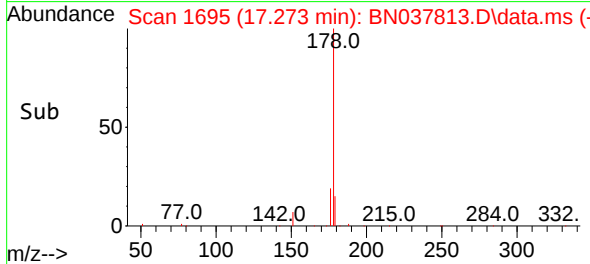
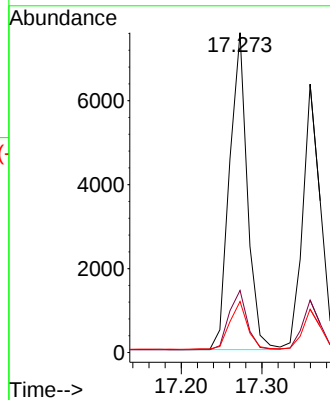
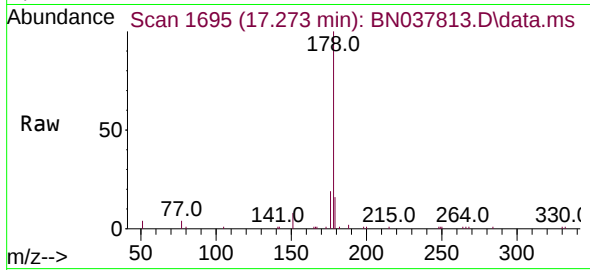




#25  
Phenanthrene  
Concen: 0.381 ng  
RT: 17.273 min Scan# 1695  
Delta R.T. -0.012 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

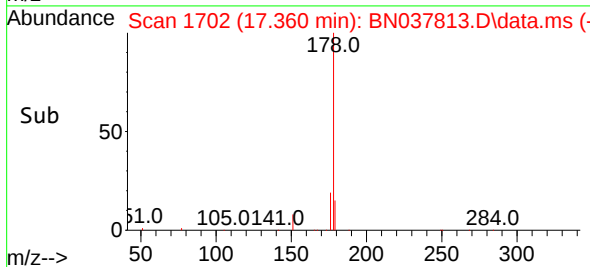
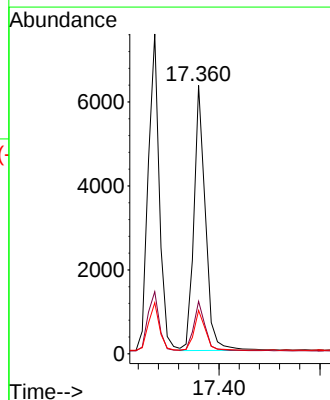
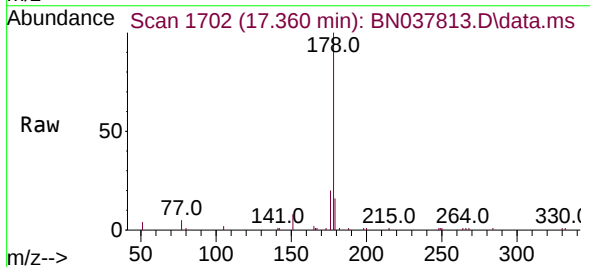
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

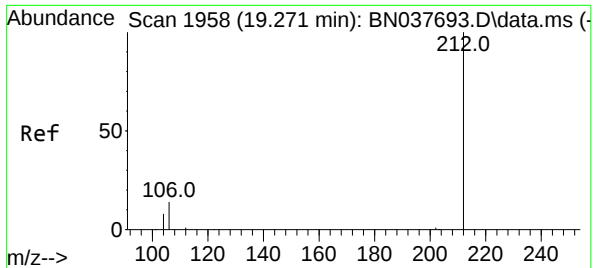
Tgt Ion:178 Resp: 11575  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.3 22.9  
179 15.3 12.2 18.2



#26  
Anthracene  
Concen: 0.370 ng  
RT: 17.360 min Scan# 1702  
Delta R.T. -0.012 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

Tgt Ion:178 Resp: 9951  
Ion Ratio Lower Upper  
178 100  
176 18.6 14.6 22.0  
179 14.9 12.2 18.4





#27

Fluoranthene-d10

Concen: 0.357 ng

RT: 19.262 min Scan# 1958

Delta R.T. -0.009 min

Lab File: BN037813.D

Acq: 19 Sep 2025 14:19

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

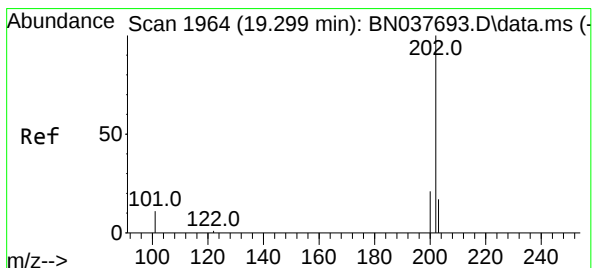
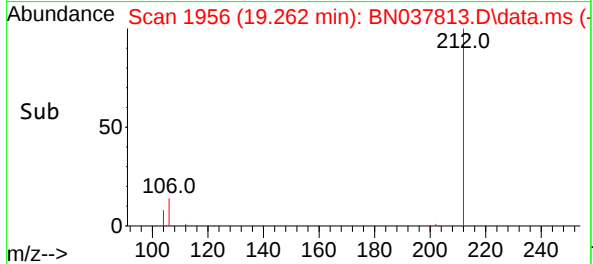
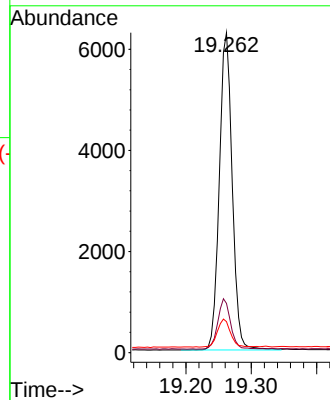
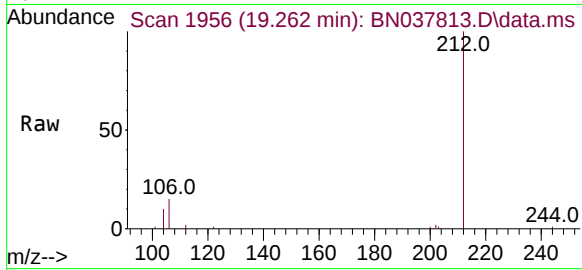
Tgt Ion:212 Resp: 8646

Ion Ratio Lower Upper

212 100

106 15.8 12.2 18.2

104 8.9 6.9 10.3



#28

Fluoranthene

Concen: 0.372 ng

RT: 19.290 min Scan# 1962

Delta R.T. -0.009 min

Lab File: BN037813.D

Acq: 19 Sep 2025 14:19

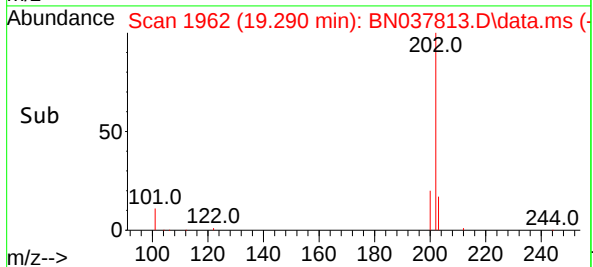
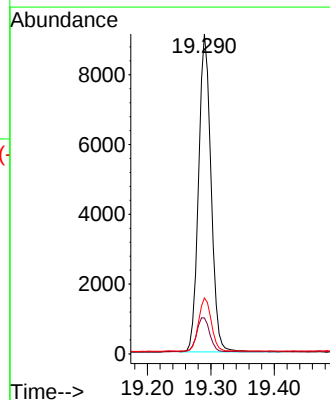
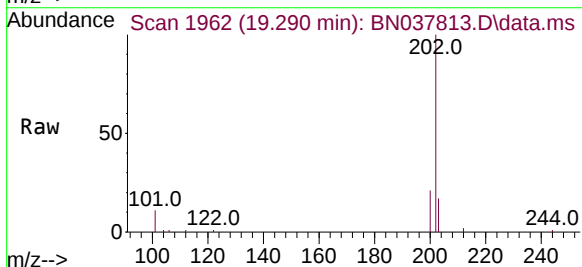
Tgt Ion:202 Resp: 12394

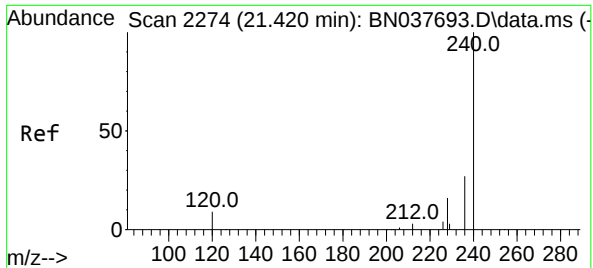
Ion Ratio Lower Upper

202 100

101 11.4 9.3 13.9

203 17.0 13.7 20.5

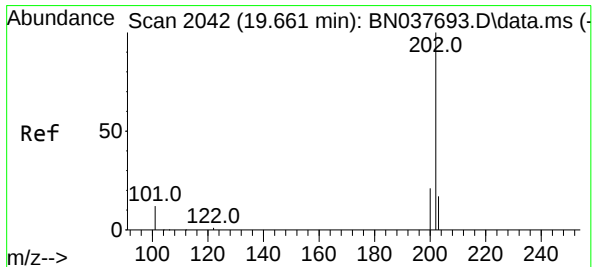
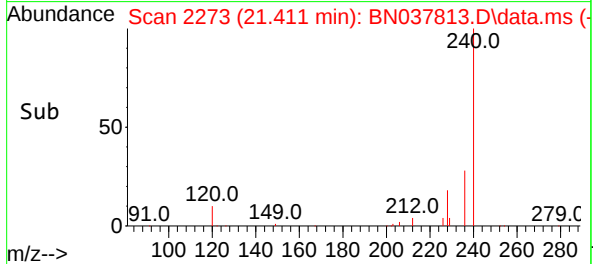
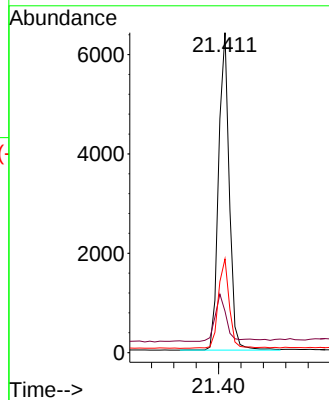
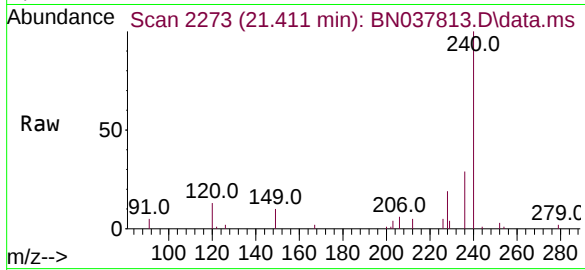




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.411 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

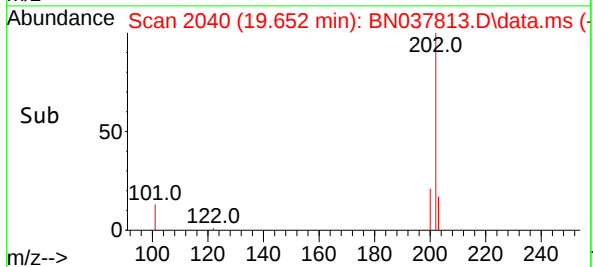
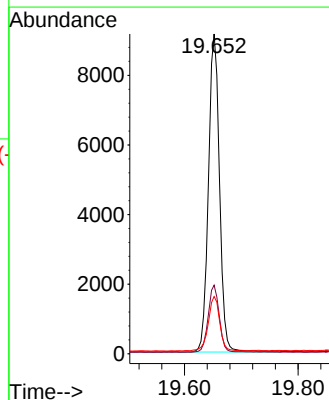
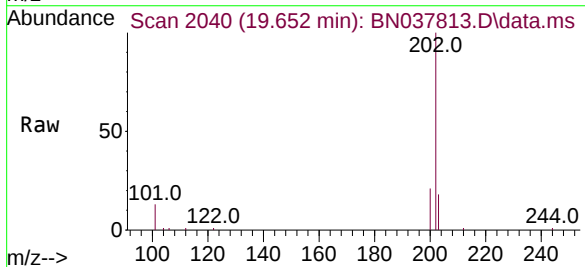
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

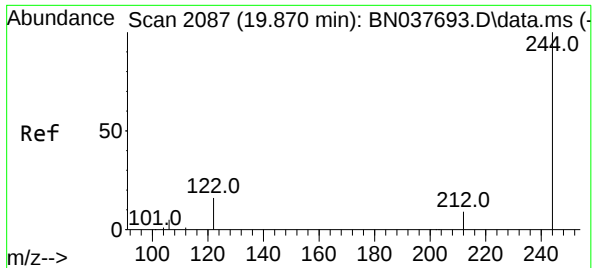
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 240   | Resp: | 8466 |
| Ion Ratio | Lower | Upper |      |
| 240       | 100   |       |      |
| 120       | 12.9  | 9.2   | 13.8 |
| 236       | 29.3  | 22.6  | 33.8 |



#30  
Pyrene  
Concen: 0.372 ng  
RT: 19.652 min Scan# 2040  
Delta R.T. -0.009 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 12322 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 21.1  | 16.8  | 25.2  |
| 203       | 17.6  | 14.3  | 21.5  |

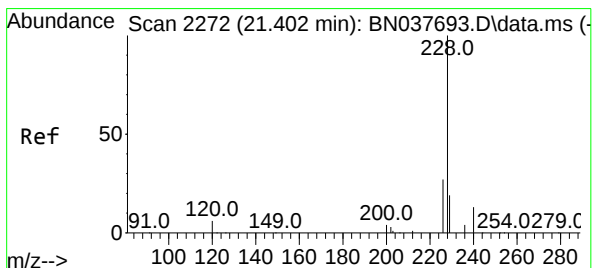
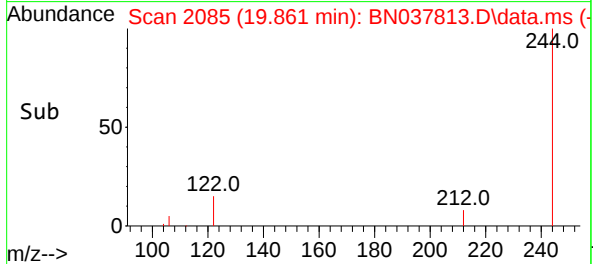
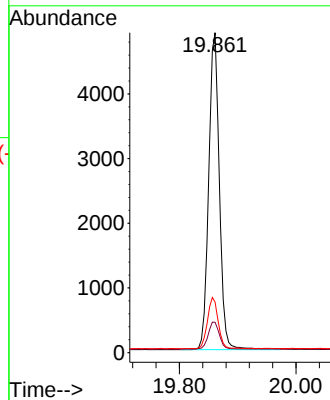
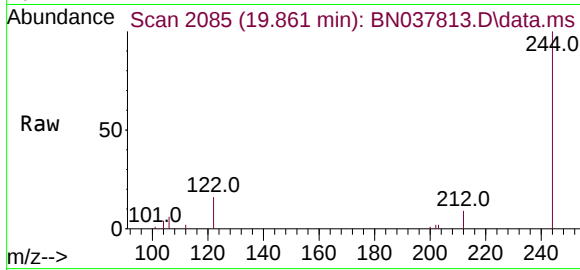




#31  
Terphenyl-d14  
Concen: 0.360 ng  
RT: 19.861 min Scan# 2085  
Delta R.T. -0.009 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

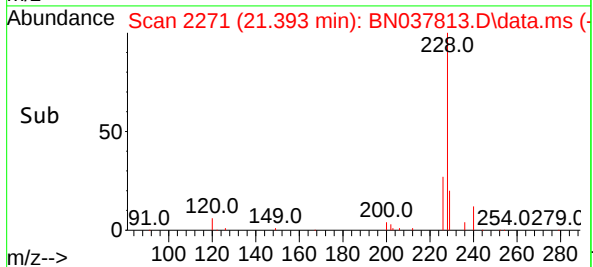
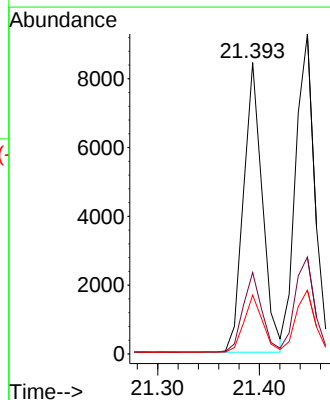
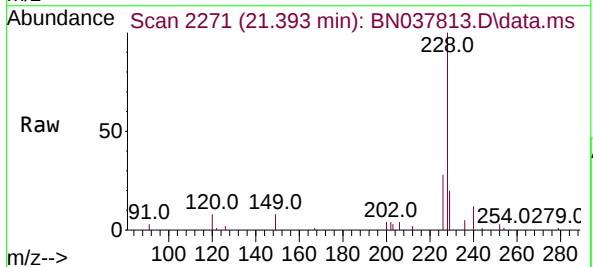
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

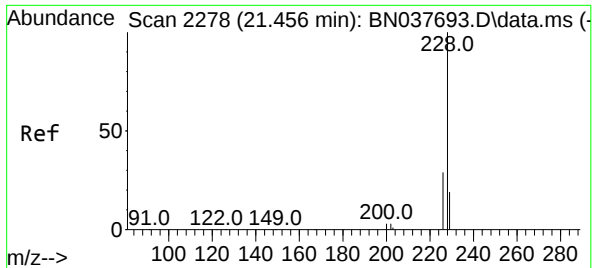
Tgt Ion:244 Resp: 6183  
Ion Ratio Lower Upper  
244 100  
212 9.5 7.5 11.3  
122 15.8 13.2 19.8



#32  
Benzo(a)anthracene  
Concen: 0.367 ng  
RT: 21.393 min Scan# 2271  
Delta R.T. -0.009 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

Tgt Ion:228 Resp: 10829  
Ion Ratio Lower Upper  
228 100  
226 27.9 22.2 33.2  
229 20.2 15.8 23.6

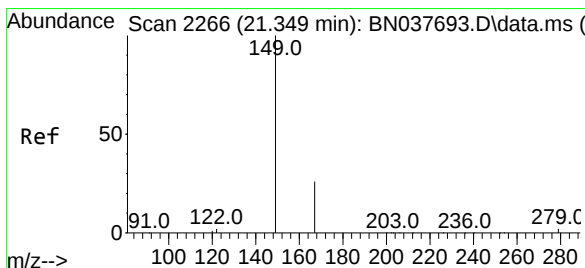
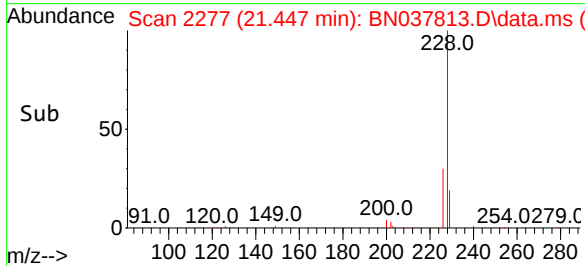
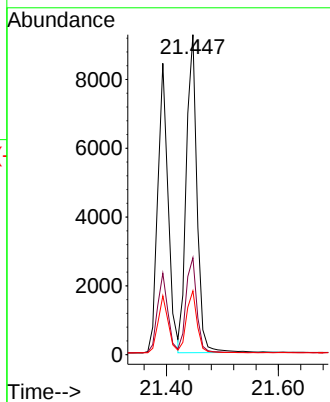
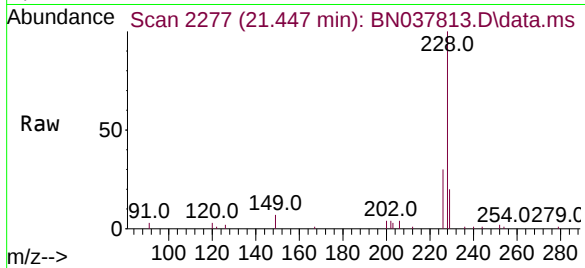




#33  
Chrysene  
Concen: 0.387 ng  
RT: 21.447 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

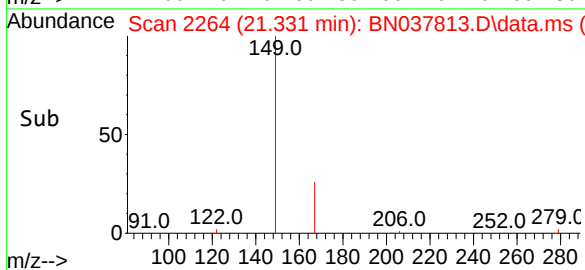
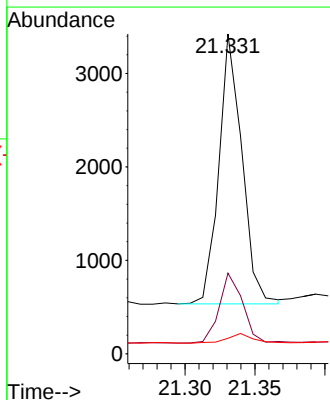
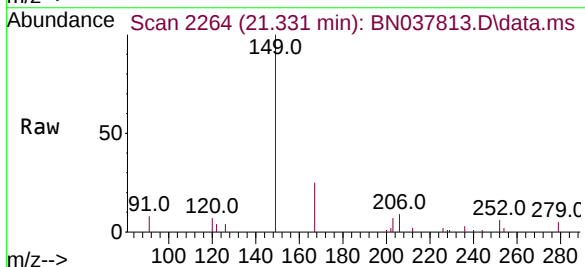
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

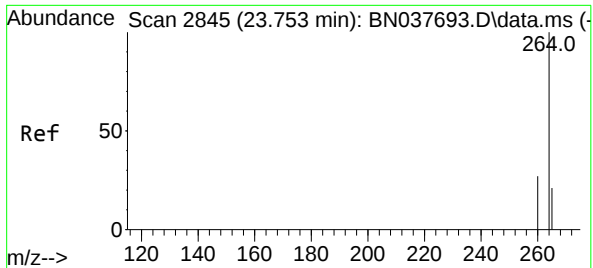
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.3  | 23.5  | 35.3  |
| 229     | 19.9  | 15.9  | 23.9  |



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.379 ng  
RT: 21.331 min Scan# 2264  
Delta R.T. -0.018 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.8  | 20.8  | 31.2  |
| 279     | 4.2   | 3.3   | 4.9   |

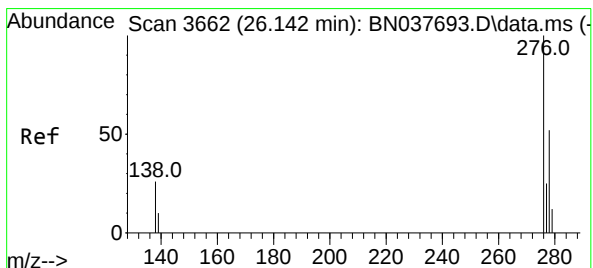
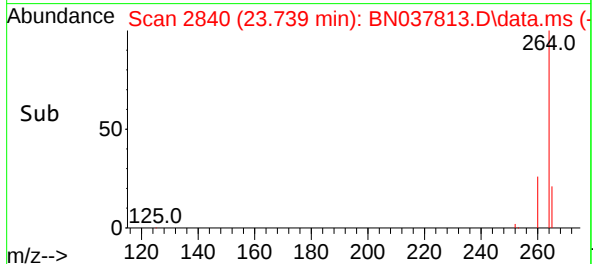
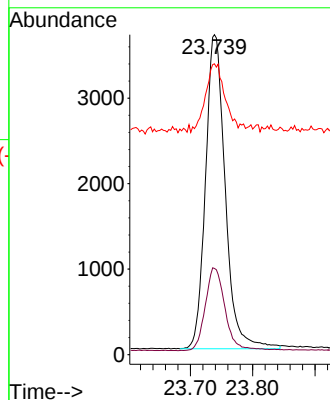
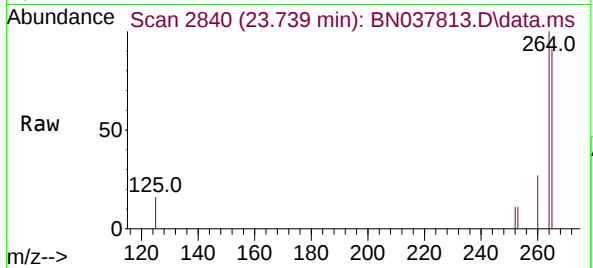




#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.739 min Scan# 2840  
Delta R.T. -0.015 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

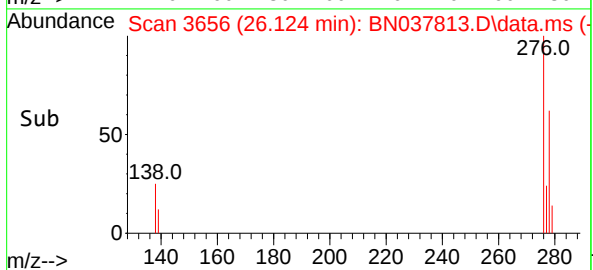
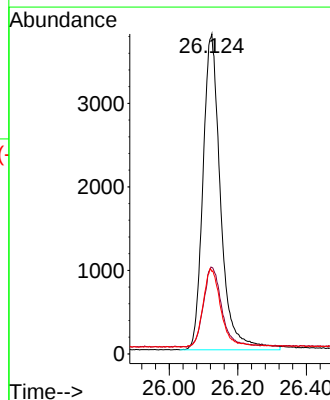
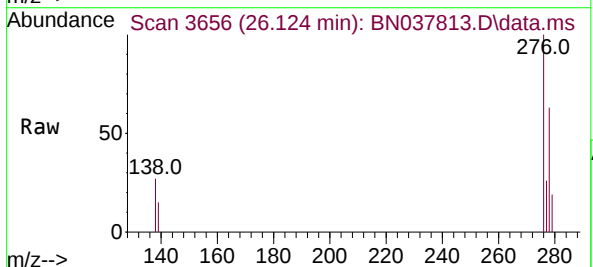
Instrument :  
BNA\_N  
ClientSampleId :  
SSTDCCC0.4

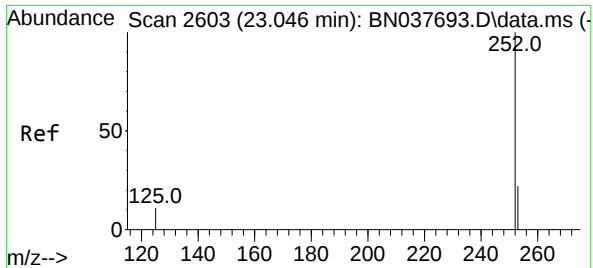
| Tgt Ion   | 264  | 260  | 265   |
|-----------|------|------|-------|
| Resp:     | 8084 |      |       |
| Ion Ratio | 100  | 26.9 | 90.9  |
| Lower     |      | 21.8 | 39.4  |
| Upper     |      | 32.8 | 59.2# |



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.398 ng  
RT: 26.124 min Scan# 3656  
Delta R.T. -0.018 min  
Lab File: BN037813.D  
Acq: 19 Sep 2025 14:19

| Tgt Ion   | 276   | 138  | 277  |
|-----------|-------|------|------|
| Resp:     | 13502 |      |      |
| Ion Ratio | 100   | 26.0 | 24.9 |
| Lower     |       | 21.9 | 20.1 |
| Upper     |       | 32.9 | 30.1 |





#37

Benzo(b)fluoranthene

Concen: 0.397 ng

RT: 23.034 min Scan# 21

Delta R.T. -0.012 min

Lab File: BN037813.D

Acq: 19 Sep 2025 14:19

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

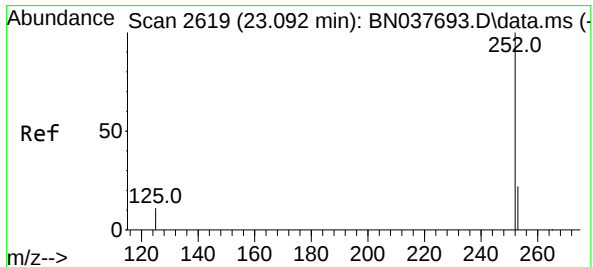
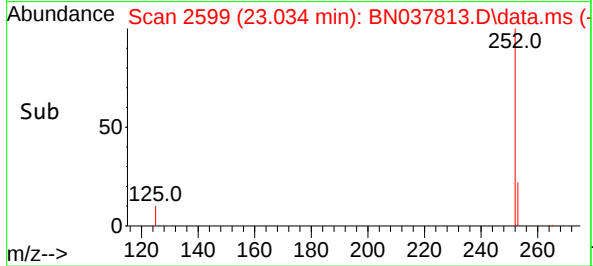
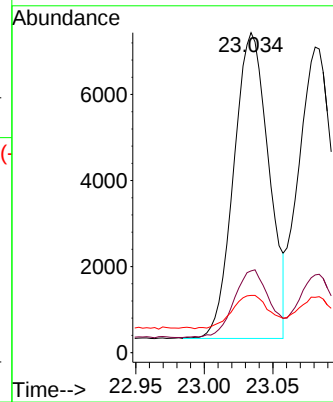
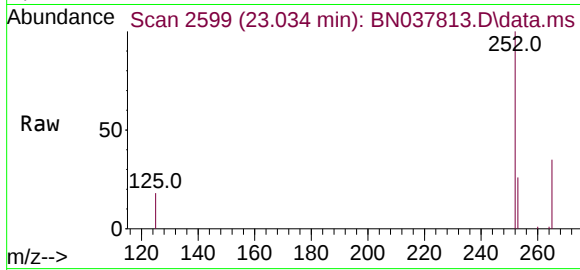
Tgt Ion:252 Resp: 12627

Ion Ratio Lower Upper

252 100

253 25.5 19.4 29.2

125 17.9 11.2 16.8#



#38

Benzo(k)fluoranthene

Concen: 0.384 ng

RT: 23.081 min Scan# 2615

Delta R.T. -0.012 min

Lab File: BN037813.D

Acq: 19 Sep 2025 14:19

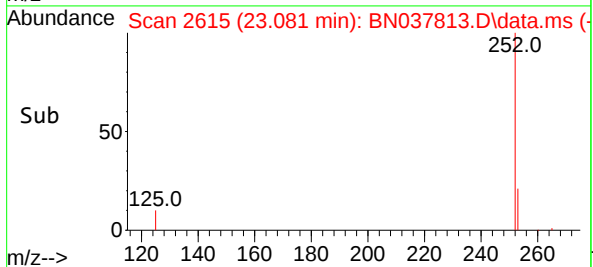
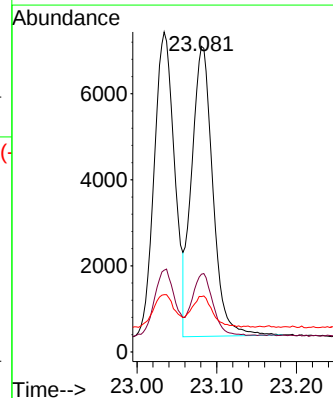
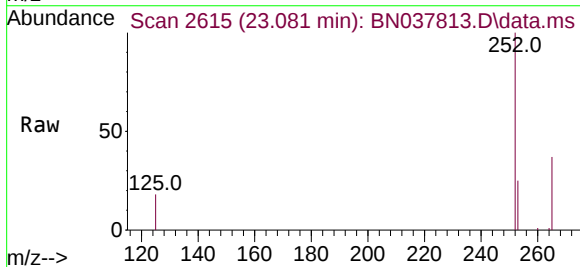
Tgt Ion:252 Resp: 12470

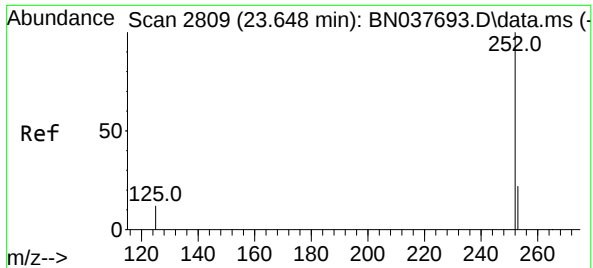
Ion Ratio Lower Upper

252 100

253 25.4 19.4 29.0

125 18.1 11.6 17.4#





#39

Benzo(a)pyrene

Concen: 0.384 ng

RT: 23.633 min Scan# 2804

Delta R.T. -0.015 min

Lab File: BN037813.D

Acq: 19 Sep 2025 14:19

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4

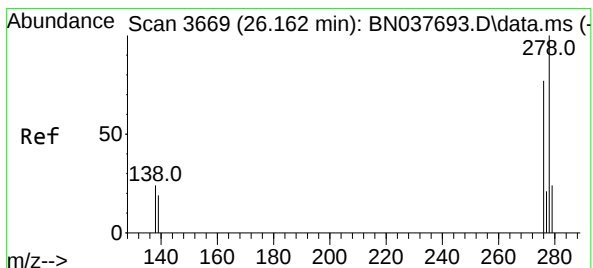
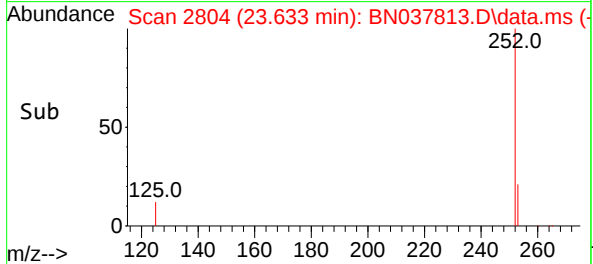
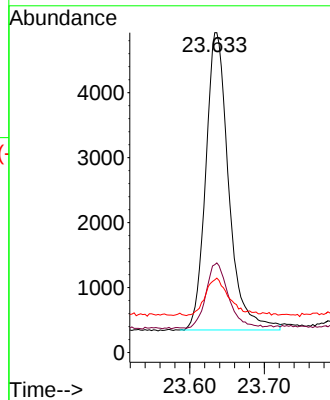
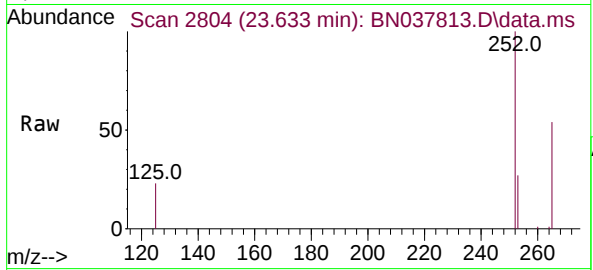
Tgt Ion:252 Resp: 9793

Ion Ratio Lower Upper

252 100

253 27.5 20.8 31.2

125 22.7 13.9 20.9#



#40

Dibenzo(a,h)anthracene

Concen: 0.376 ng

RT: 26.139 min Scan# 3661

Delta R.T. -0.023 min

Lab File: BN037813.D

Acq: 19 Sep 2025 14:19

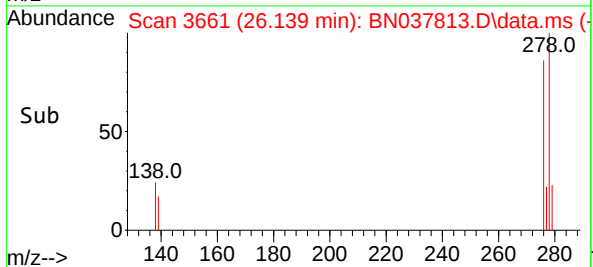
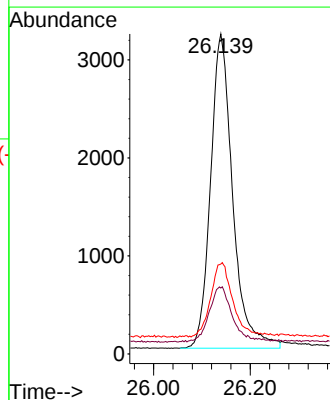
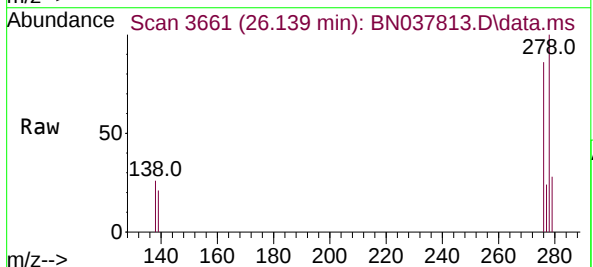
Tgt Ion:278 Resp: 10208

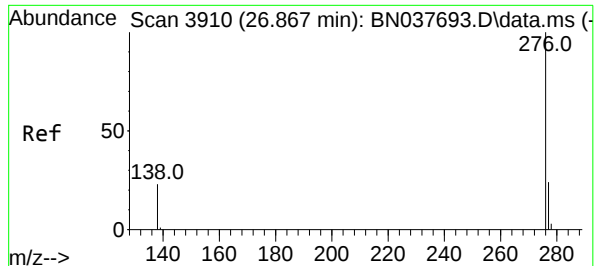
Ion Ratio Lower Upper

278 100

139 20.6 17.8 26.6

279 28.1 22.0 33.0





#41

Benzo(g,h,i)perylene

Concen: 0.395 ng

RT: 26.846 min Scan# 3910

Delta R.T. -0.020 min

Lab File: BN037813.D

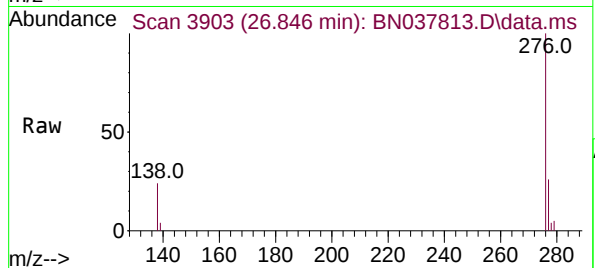
Acq: 19 Sep 2025 14:19

Instrument :

BNA\_N

ClientSampleId :

SSTDCCC0.4



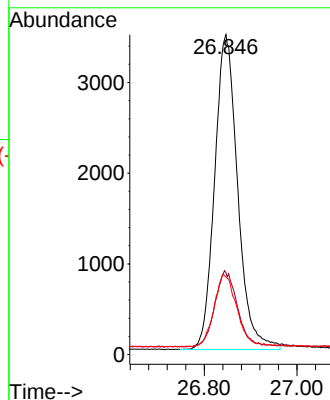
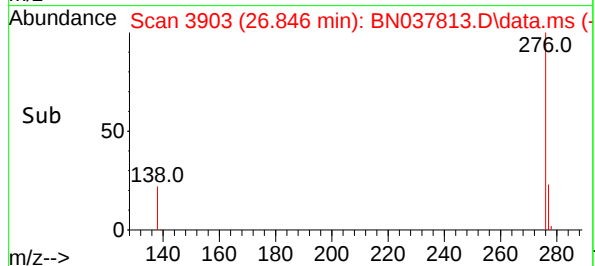
Tgt Ion:276 Resp: 12010

Ion Ratio Lower Upper

276 100

277 25.6 20.6 31.0

138 24.3 20.2 30.2



Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091925\  
 Data File : BN037813.D  
 Acq On : 19 Sep 2025 14:19  
 Operator : RC/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: Sep 19 15:09:21 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:20:01 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   | 96    | 0.00     |
| 2       | 1,4-Dioxane                | 0.417 | 0.410 | 1.7   | 94    | 0.00     |
| 3       | n-Nitrosodimethylamine     | 0.544 | 0.482 | 11.4  | 82    | 0.00     |
| 4 S     | 2-Fluorophenol             | 0.918 | 0.947 | -3.2  | 102   | 0.00     |
| 5 S     | Phenol-d6                  | 1.191 | 1.079 | 9.4   | 90    | 0.00     |
| 6       | bis(2-Chloroethyl)ether    | 1.064 | 0.997 | 6.3   | 90    | 0.00     |
| 7 I     | Naphthalene-d8             | 1.000 | 1.000 | 0.0   | 94    | -0.01    |
| 8 S     | Nitrobenzene-d5            | 0.293 | 0.284 | 3.1   | 94    | -0.01    |
| 9       | Naphthalene                | 1.093 | 1.055 | 3.5   | 92    | -0.01    |
| 10      | Hexachlorobutadiene        | 0.198 | 0.193 | 2.5   | 92    | -0.02    |
| 11 SURR | 2-Methylnaphthalene-d10    | 0.530 | 0.473 | 10.8  | 89    | -0.02    |
| 12      | 2-Methylnaphthalene        | 0.676 | 0.625 | 7.5   | 89    | -0.02    |
| 13 I    | Acenaphthene-d10           | 1.000 | 1.000 | 0.0   | 90    | -0.01    |
| 14 S    | 2,4,6-Tribromophenol       | 0.104 | 0.121 | -16.3 | 108   | -0.01    |
| 15 S    | 2-Fluorobiphenyl           | 1.673 | 1.589 | 5.0   | 87    | -0.01    |
| 16      | Acenaphthylene             | 1.834 | 1.643 | 10.4  | 83    | -0.01    |
| 17      | Acenaphthene               | 1.240 | 1.149 | 7.3   | 85    | -0.01    |
| 18      | Fluorene                   | 1.502 | 1.334 | 11.2  | 83    | 0.00     |
| 19 I    | Phenanthrene-d10           | 1.000 | 1.000 | 0.0   | 86    | 0.00     |
| 20      | 4,6-Dinitro-2-methylphenol | 0.037 | 0.032 | 13.5  | 83    | -0.01    |
| 21      | 4-Bromophenyl-phenylether  | 0.261 | 0.238 | 8.8   | 81    | -0.01    |
| 22      | Hexachlorobenzene          | 0.300 | 0.312 | -4.0  | 91    | -0.01    |
| 23      | Atrazine                   | 0.166 | 0.151 | 9.0   | 86    | -0.01    |
| 24      | Pentachlorophenol          | 0.087 | 0.101 | -16.1 | 115   | -0.01    |
| 25      | Phenanthrene               | 1.259 | 1.201 | 4.6   | 84    | -0.01    |
| 26      | Anthracene                 | 1.116 | 1.032 | 7.5   | 83    | -0.01    |
| 27 SURR | Fluoranthene-d10           | 1.004 | 0.897 | 10.7  | 82    | 0.00     |
| 28      | Fluoranthene               | 1.381 | 1.286 | 6.9   | 84    | 0.00     |
| 29 I    | Chrysene-d12               | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 30      | Pyrene                     | 1.566 | 1.455 | 7.1   | 84    | 0.00     |
| 31 S    | Terphenyl-d14              | 0.812 | 0.730 | 10.1  | 82    | 0.00     |
| 32      | Benzo(a)anthracene         | 1.395 | 1.279 | 8.3   | 86    | 0.00     |
| 33      | Chrysene                   | 1.496 | 1.448 | 3.2   | 87    | 0.00     |
| 34      | Bis(2-ethylhexyl)phthalate | 0.414 | 0.392 | 5.3   | 94    | -0.02    |
| 35 I    | Perylene-d12               | 1.000 | 1.000 | 0.0   | 90    | -0.01    |
| 36      | Indeno(1,2,3-cd)pyrene     | 1.681 | 1.670 | 0.7   | 98    | -0.02    |
| 37      | Benzo(b)fluoranthene       | 1.575 | 1.562 | 0.8   | 91    | -0.01    |
| 38      | Benzo(k)fluoranthene       | 1.606 | 1.543 | 3.9   | 91    | -0.01    |
| 39 C    | Benzo(a)pyrene             | 1.261 | 1.211 | 4.0   | 91    | -0.01    |
| 40      | Dibenzo(a,h)anthracene     | 1.342 | 1.263 | 5.9   | 94    | -0.02    |
| 41      | Benzo(g,h,i)perylene       | 1.506 | 1.486 | 1.3   | 92    | -0.02    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

**Instrument :**

BNA\_N

**LabSampleId :**

SSTDCCC0.4

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091925\  
 Data File : BN037813.D  
 Acq On : 19 Sep 2025 14:19  
 Operator : RC/JU  
 Sample : SSTDCCC0.4  
 Misc :  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 LabSampleId :  
 SSTDCCC0.4

Quant Time: Sep 19 15:09:21 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:20:01 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     | 0.400  | 0.400 | 0.0   | 96    | 0.00     |
| 2       | 1,4-Dioxane                | 0.400  | 0.394 | 1.5   | 94    | 0.00     |
| 3       | n-Nitrosodimethylamine     | 0.400  | 0.354 | 11.5  | 82    | 0.00     |
| 4 S     | 2-Fluorophenol             | 0.400  | 0.412 | -3.0  | 102   | 0.00     |
| 5 S     | Phenol-d6                  | 0.400  | 0.362 | 9.5   | 90    | 0.00     |
| 6       | bis(2-Chloroethyl)ether    | 0.400  | 0.375 | 6.3   | 90    | 0.00     |
| 7 I     | Naphthalene-d8             | 0.400  | 0.400 | 0.0   | 94    | -0.01    |
| 8 S     | Nitrobenzene-d5            | 0.400  | 0.388 | 3.0   | 94    | -0.01    |
| 9       | Naphthalene                | 0.400  | 0.386 | 3.5   | 92    | -0.01    |
| 10      | Hexachlorobutadiene        | 0.400  | 0.391 | 2.3   | 92    | -0.02    |
| 11 SURR | 2-Methylnaphthalene-d10    | 0.400  | 0.357 | 10.8  | 89    | -0.02    |
| 12      | 2-Methylnaphthalene        | 0.400  | 0.369 | 7.8   | 89    | -0.02    |
| 13 I    | Acenaphthene-d10           | 0.400  | 0.400 | 0.0   | 90    | -0.01    |
| 14 S    | 2,4,6-Tribromophenol       | 0.400  | 0.463 | -15.8 | 108   | -0.01    |
| 15 S    | 2-Fluorobiphenyl           | 0.400  | 0.380 | 5.0   | 87    | -0.01    |
| 16      | Acenaphthylene             | 0.400  | 0.358 | 10.5  | 83    | -0.01    |
| 17      | Acenaphthene               | 0.400  | 0.370 | 7.5   | 85    | -0.01    |
| 18      | Fluorene                   | 0.400  | 0.355 | 11.3  | 83    | 0.00     |
| 19 I    | Phenanthrene-d10           | 0.400  | 0.400 | 0.0   | 86    | 0.00     |
| 20      | 4,6-Dinitro-2-methylphenol | 0.400  | 0.346 | 13.5  | 83    | -0.01    |
| 21      | 4-Bromophenyl-phenylether  | 0.400  | 0.365 | 8.8   | 81    | -0.01    |
| 22      | Hexachlorobenzene          | 0.400  | 0.416 | -4.0  | 91    | -0.01    |
| 23      | Atrazine                   | 0.400  | 0.365 | 8.8   | 86    | -0.01    |
| 24      | Pentachlorophenol          | 0.400  | 0.462 | -15.5 | 115   | -0.01    |
| 25      | Phenanthrene               | 0.400  | 0.381 | 4.8   | 84    | -0.01    |
| 26      | Anthracene                 | 0.400  | 0.370 | 7.5   | 83    | -0.01    |
| 27 SURR | Fluoranthene-d10           | 0.400  | 0.357 | 10.8  | 82    | 0.00     |
| 28      | Fluoranthene               | 0.400  | 0.372 | 7.0   | 84    | 0.00     |
| 29 I    | Chrysene-d12               | 0.400  | 0.400 | 0.0   | 90    | 0.00     |
| 30      | Pyrene                     | 0.400  | 0.372 | 7.0   | 84    | 0.00     |
| 31 S    | Terphenyl-d14              | 0.400  | 0.360 | 10.0  | 82    | 0.00     |
| 32      | Benzo(a)anthracene         | 0.400  | 0.367 | 8.3   | 86    | 0.00     |
| 33      | Chrysene                   | 0.400  | 0.387 | 3.3   | 87    | 0.00     |
| 34      | Bis(2-ethylhexyl)phthalate | 0.400  | 0.379 | 5.3   | 94    | -0.02    |
| 35 I    | Perylene-d12               | 0.400  | 0.400 | 0.0   | 90    | -0.01    |
| 36      | Indeno(1,2,3-cd)pyrene     | 0.400  | 0.398 | 0.5   | 98    | -0.02    |
| 37      | Benzo(b)fluoranthene       | 0.400  | 0.397 | 0.8   | 91    | -0.01    |
| 38      | Benzo(k)fluoranthene       | 0.400  | 0.384 | 4.0   | 91    | -0.01    |
| 39 C    | Benzo(a)pyrene             | 0.400  | 0.384 | 4.0   | 91    | -0.01    |
| 40      | Dibenzo(a,h)anthracene     | 0.400  | 0.376 | 6.0   | 94    | -0.02    |
| 41      | Benzo(g,h,i)perylene       | 0.400  | 0.395 | 1.3   | 92    | -0.02    |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

**Instrument :**

BNA\_N

**LabSampleId :**

SSTDCCC0.4



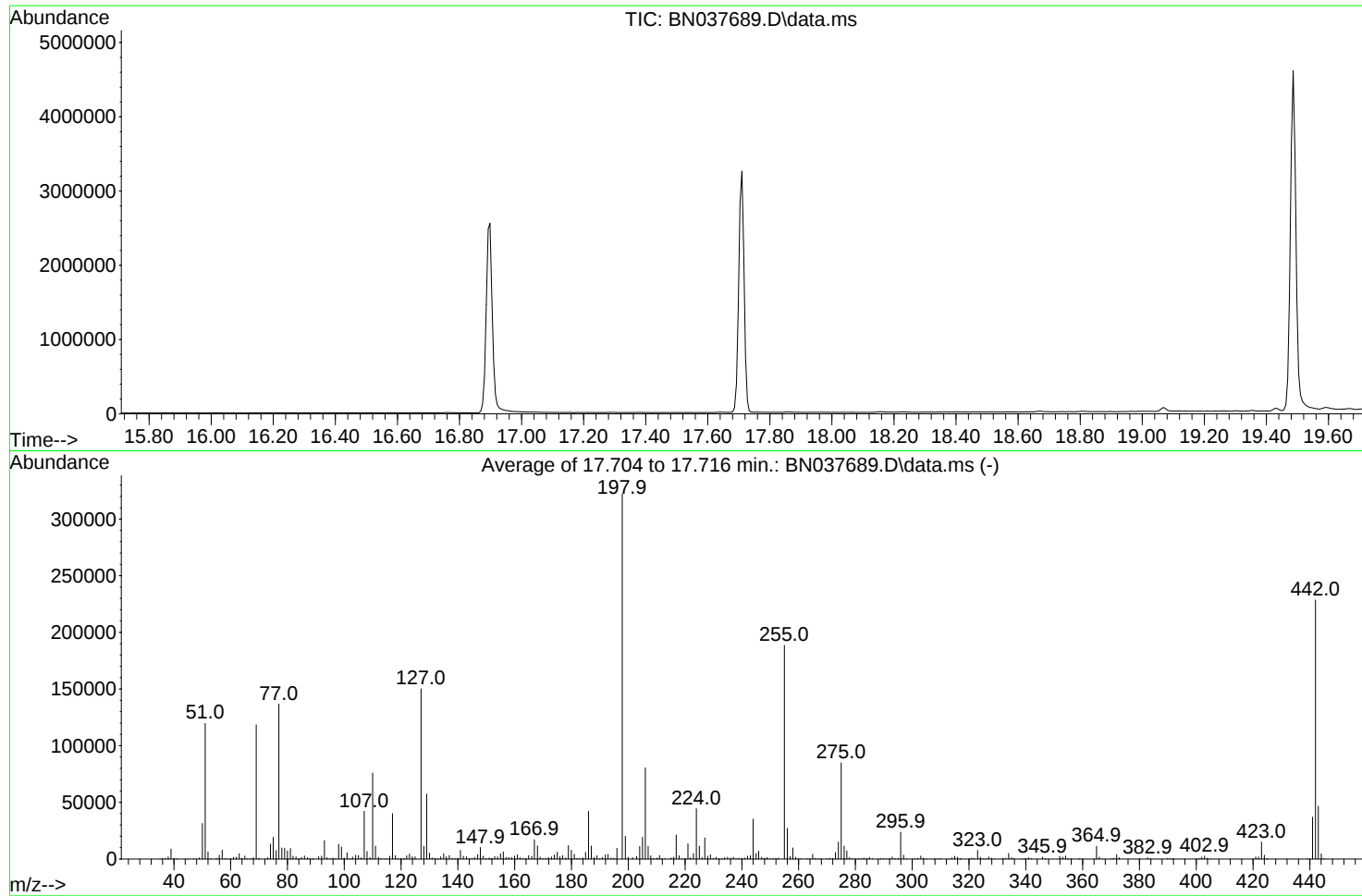
# QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
Data File : BN037689.D  
Acq On : 11 Sep 2025 07:54  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Thu Sep 11 14:20:01 2025



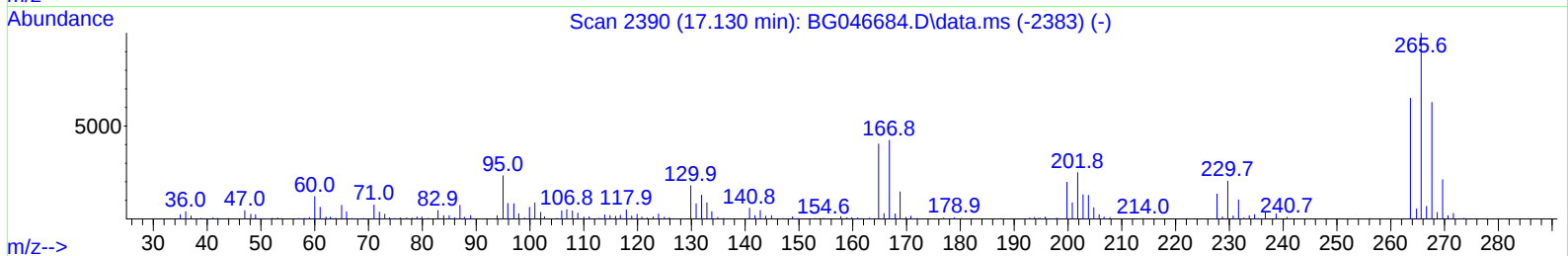
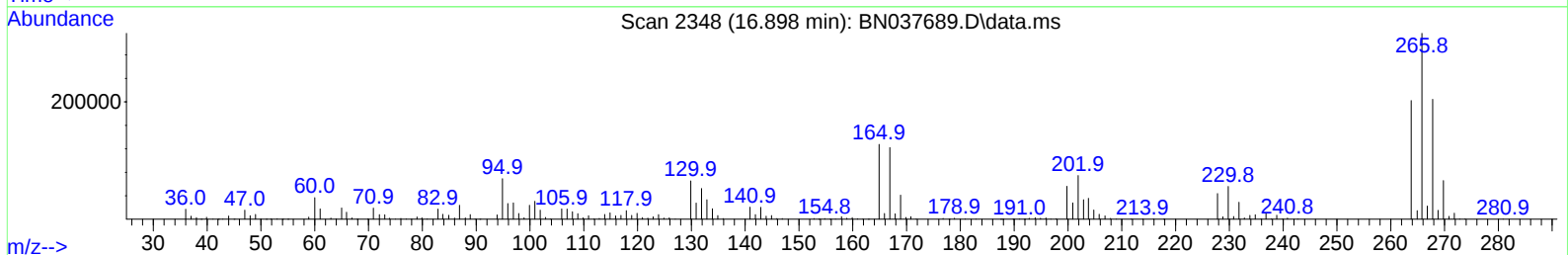
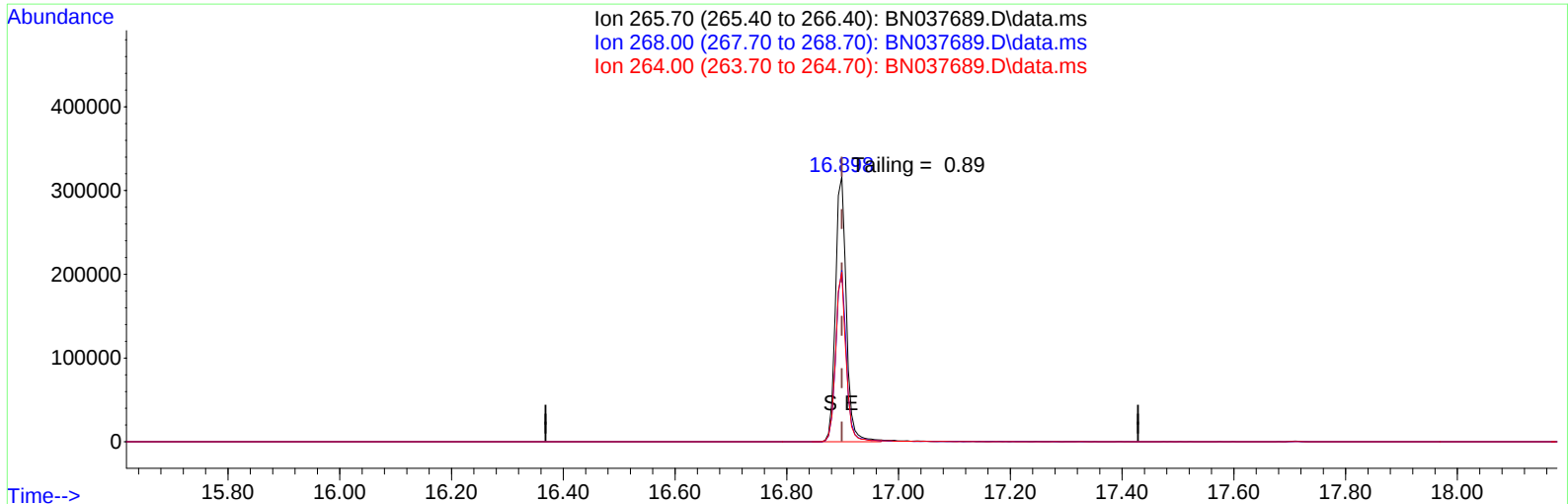
AutoFind: Scans 2485, 2486, 2487; Background Corrected with Scan 2478

| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 68             | 69              | 0.00            | 2               | 1.0          | 1148       | PASS                |
| 69             | 69              | 100             | 100             | 100.0        | 118397     | PASS                |
| 70             | 69              | 0.00            | 2               | 0.6          | 697        | PASS                |
| 197            | 198             | 0.00            | 2               | 0.0          | 0          | PASS                |
| 198            | 198             | 100             | 100             | 100.0        | 322261     | PASS                |
| 199            | 198             | 5               | 9               | 6.2          | 20092      | PASS                |
| 365            | 198             | 1               | 100             | 3.5          | 11183      | PASS                |
| 441            | 443             | 0.01            | 150             | 79.2         | 36909      | PASS                |
| 442            | 442             | 100             | 100             | 100.0        | 228651     | PASS                |
| 443            | 442             | 15              | 24              | 20.4         | 46619      | PASS                |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
Data File : BN037689.D  
Acq On : 11 Sep 2025 07:54  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Quant Time: Sep 11 13:15:02 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270E-Tune.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 11 13:14:53 2025  
Response via : Initial Calibration



TIC: BN037689.D\data.ms

**(70) Pentachlorophenol (C)**

16.898min ( 0.000) 277.63 ng

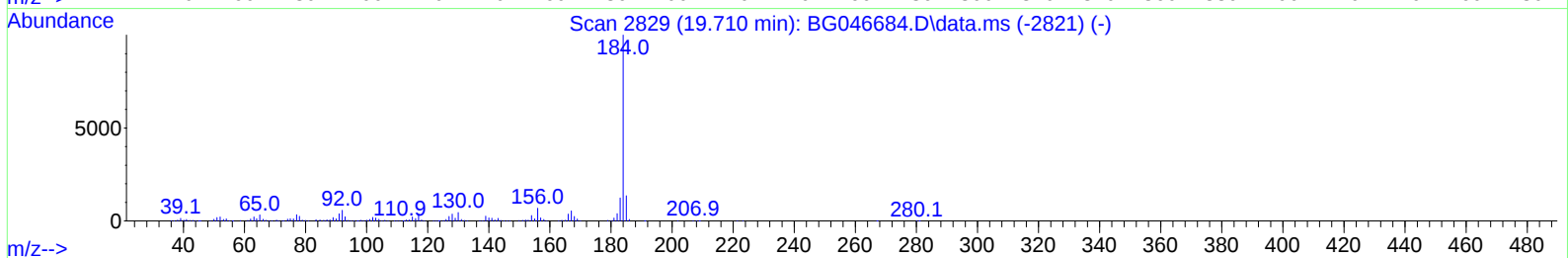
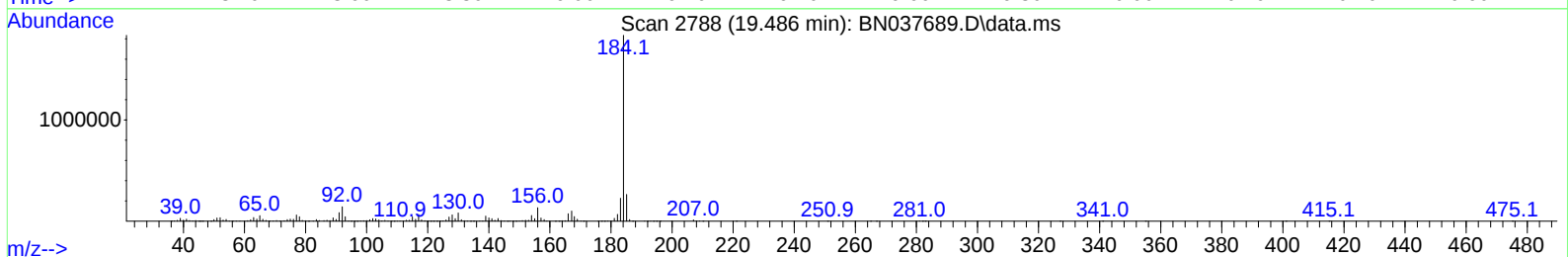
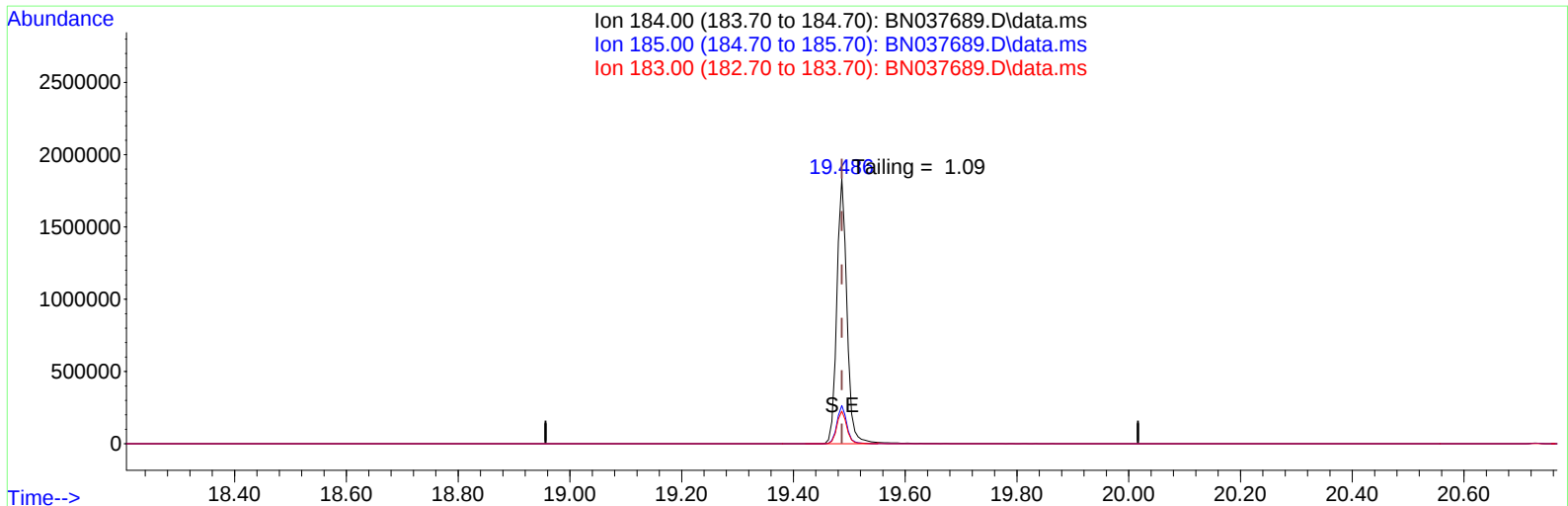
response 430126

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 64.50  | 64.54  |
| 264.00 | 63.90  | 63.87  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091125\  
Data File : BN037689.D  
Acq On : 11 Sep 2025 07:54  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Quant Time: Sep 11 13:15:02 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270E-Tune.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 11 13:14:53 2025  
Response via : Initial Calibration



TIC: BN037689.D\data.ms

**(77) Benzidine**

**19.486min ( 0.000) 64237.37 ng**

**response 2281946**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.40  | 14.43  |
| 183.00 | 12.30  | 12.32  |
| 0.00   | 0.00   | 0.00   |

# DDT Breakdown

| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 9/11/2025     | BNA_N            | <u>BN037689.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 1069016          | 20.727             |
| DDD           | 7982             | 20.286             |
| DDE           | 769              | 19.78              |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 8751          | 1077767          | 0.81               |
|               |                  |                    |

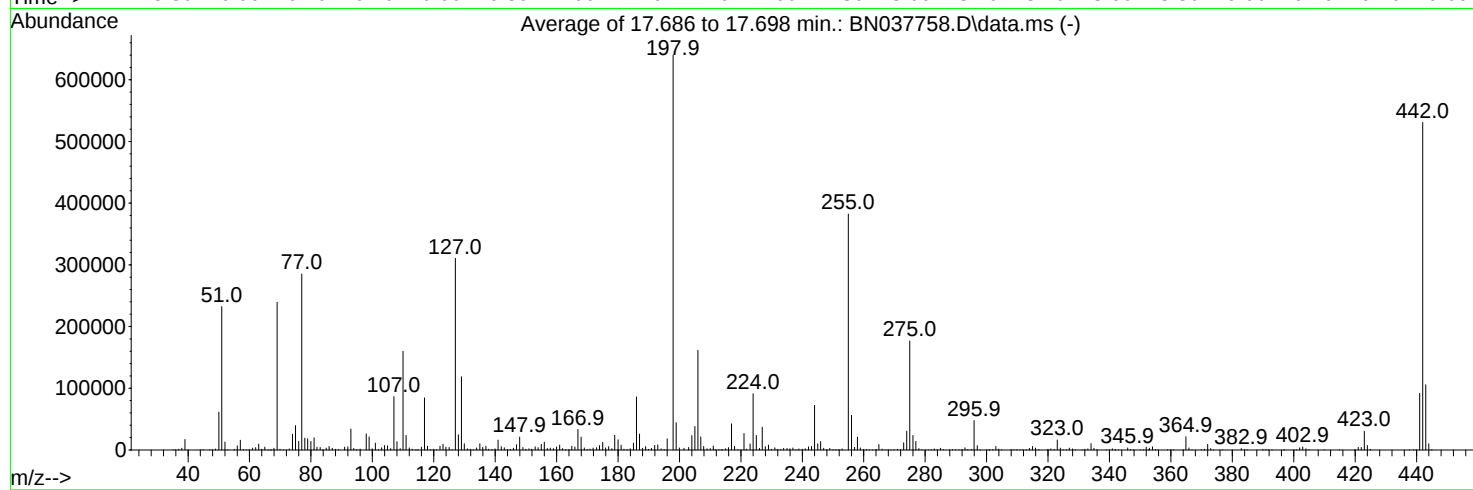
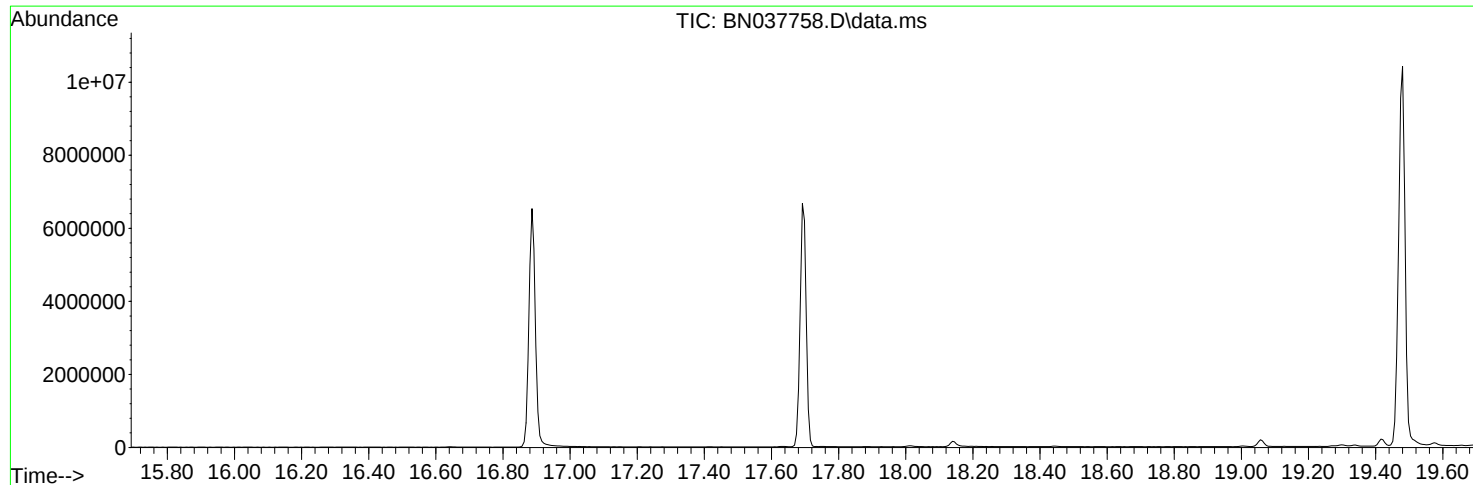
Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091725\  
Data File : BN037758.D  
Acq On : 18 Sep 2025 02:06  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Thu Sep 11 14:20:01 2025



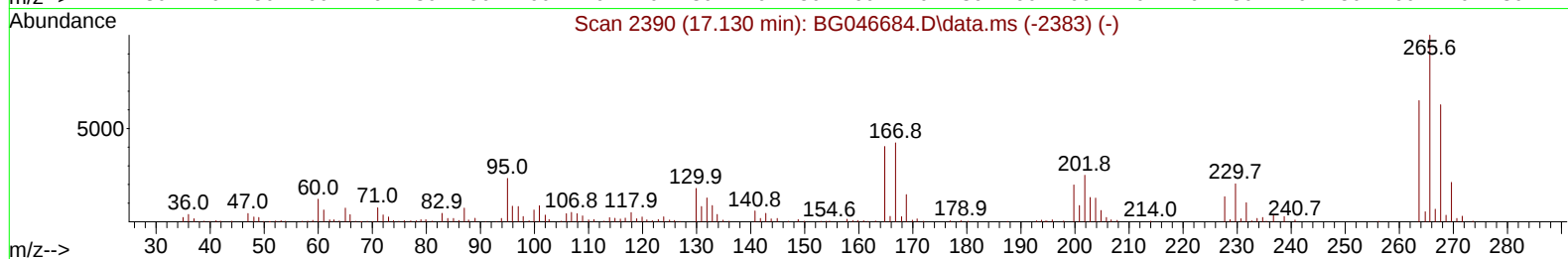
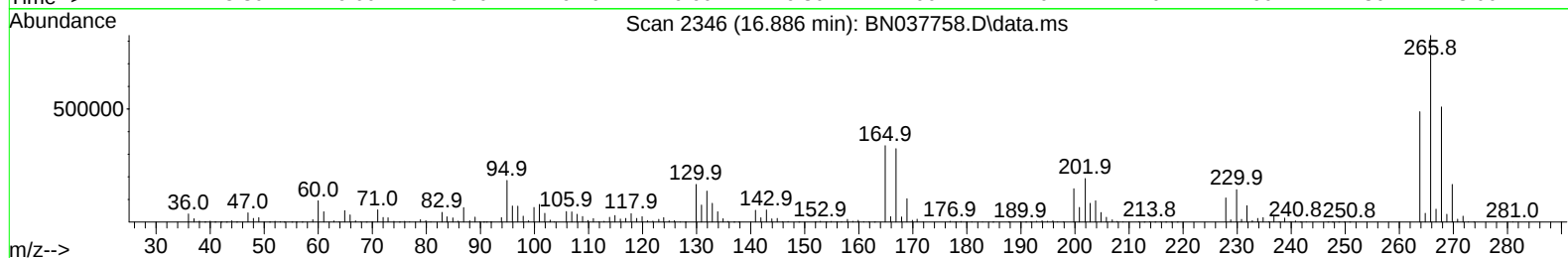
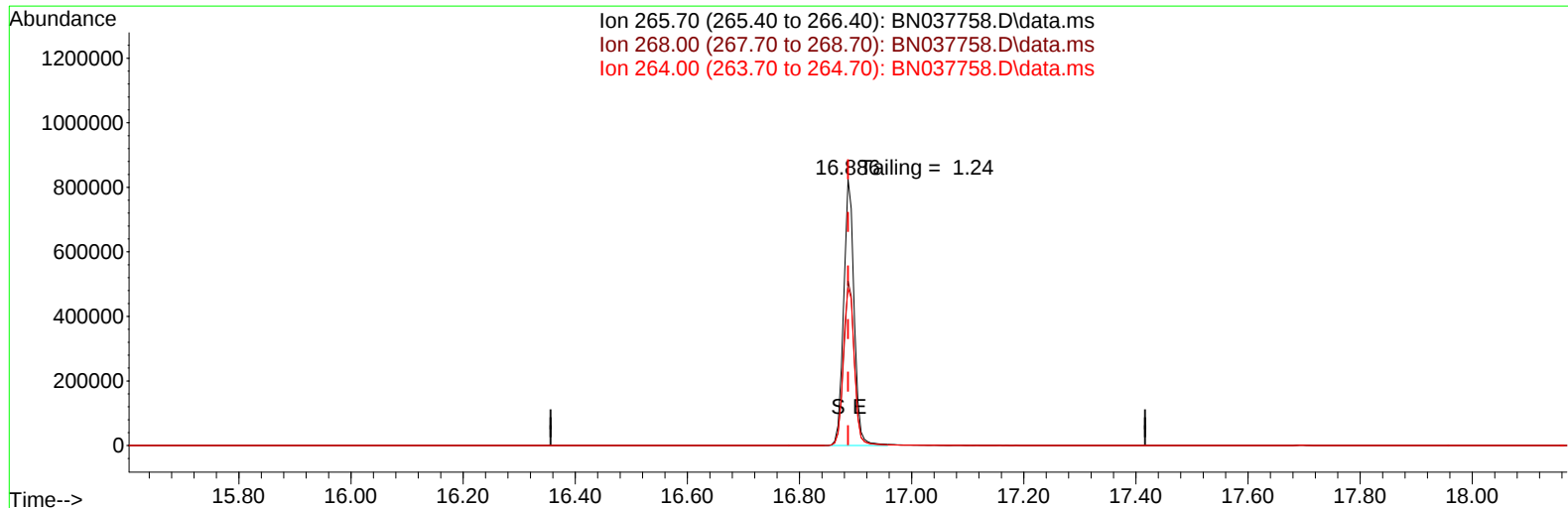
AutoFind: Scans 2482, 2483, 2484; Background Corrected with Scan 2475

| Target | Rel. to | Lower  | Upper  | Rel.  | Raw    | Result    |
|--------|---------|--------|--------|-------|--------|-----------|
| Mass   | Mass    | Limit% | Limit% | Abn%  | Abn    | Pass/Fail |
| 68     | 69      | 0.00   | 2      | 1.1   | 2651   | PASS      |
| 69     | 69      | 100    | 100    | 100.0 | 239192 | PASS      |
| 70     | 69      | 0.00   | 2      | 0.5   | 1177   | PASS      |
| 197    | 198     | 0.00   | 2      | 0.0   | 0      | PASS      |
| 198    | 198     | 100    | 100    | 100.0 | 640043 | PASS      |
| 199    | 198     | 5      | 9      | 6.9   | 44243  | PASS      |
| 365    | 198     | 1      | 100    | 3.3   | 21358  | PASS      |
| 441    | 443     | 0.01   | 150    | 86.6  | 91685  | PASS      |
| 442    | 442     | 100    | 100    | 100.0 | 530709 | PASS      |
| 443    | 442     | 15     | 24     | 19.9  | 105811 | PASS      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091725\  
Data File : BN037758.D  
Acq On : 18 Sep 2025 02:06  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Quant Time: Sep 18 08:37:15 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270E-Tune.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 18 08:37:03 2025  
Response via : Initial Calibration



TIC: BN037758.D\data.ms

**(70) Pentachlorophenol (C)**

**16.886min ( 0.000) 150096.94 ng**

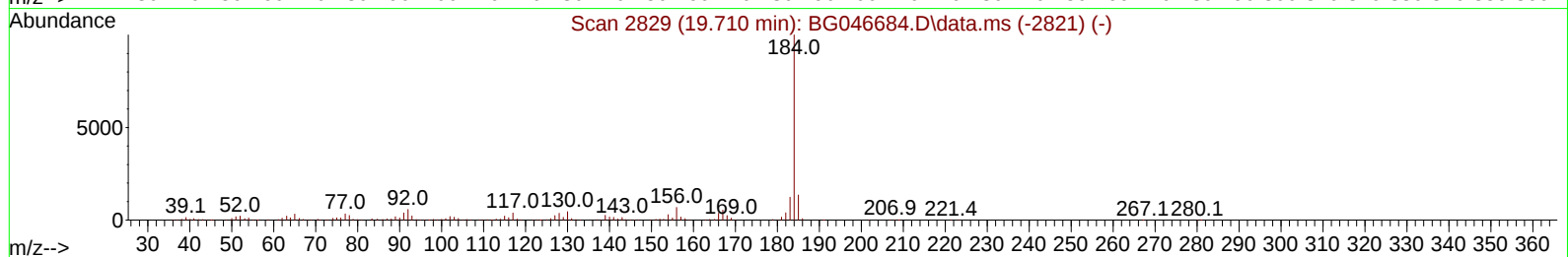
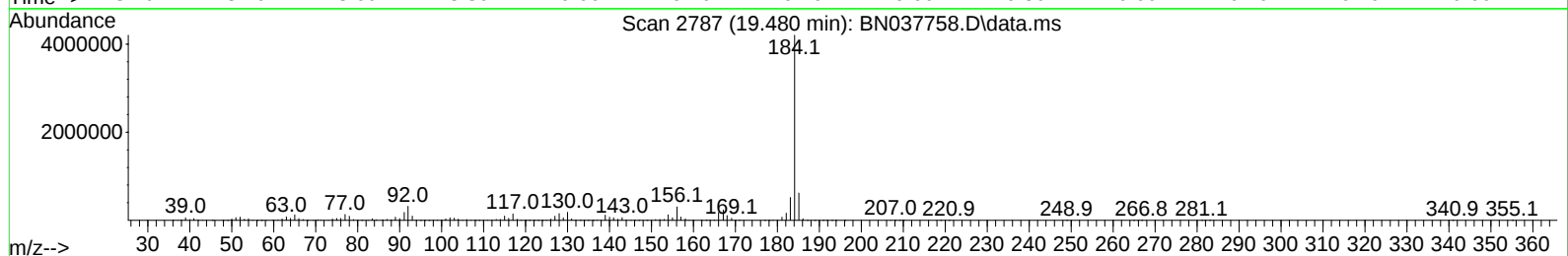
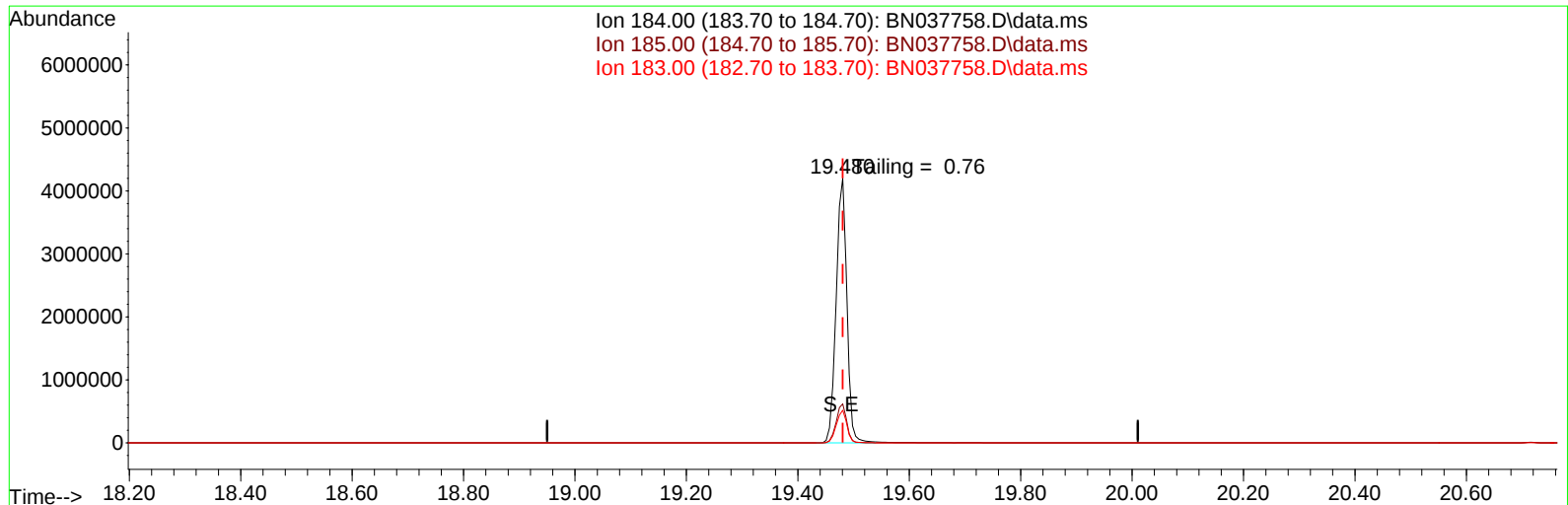
**response 1070732**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 62.20  | 61.72  |
| 264.00 | 61.60  | 59.16  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091725\  
Data File : BN037758.D  
Acq On : 18 Sep 2025 02:06  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Quant Time: Sep 18 08:37:15 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270E-Tune.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 18 08:37:03 2025  
Response via : Initial Calibration



TIC: BN037758.D\data.ms

**(77) Benzdine****19.480min ( 0.000) 95951.94 ng****response 5587198**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 15.50  | 14.72  |
| 183.00 | 13.20  | 12.39  |
| 0.00   | 0.00   | 0.00   |

# DDT Breakdown

| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 9/17/2025     | BNA_N            | <u>BN037758.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 2444036          | 20.716             |
| DDD           | 52273            | 20.274             |
| DDE           | 1911             | 19.769             |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 54184         | 2498220          | 2.17               |
|               |                  |                    |

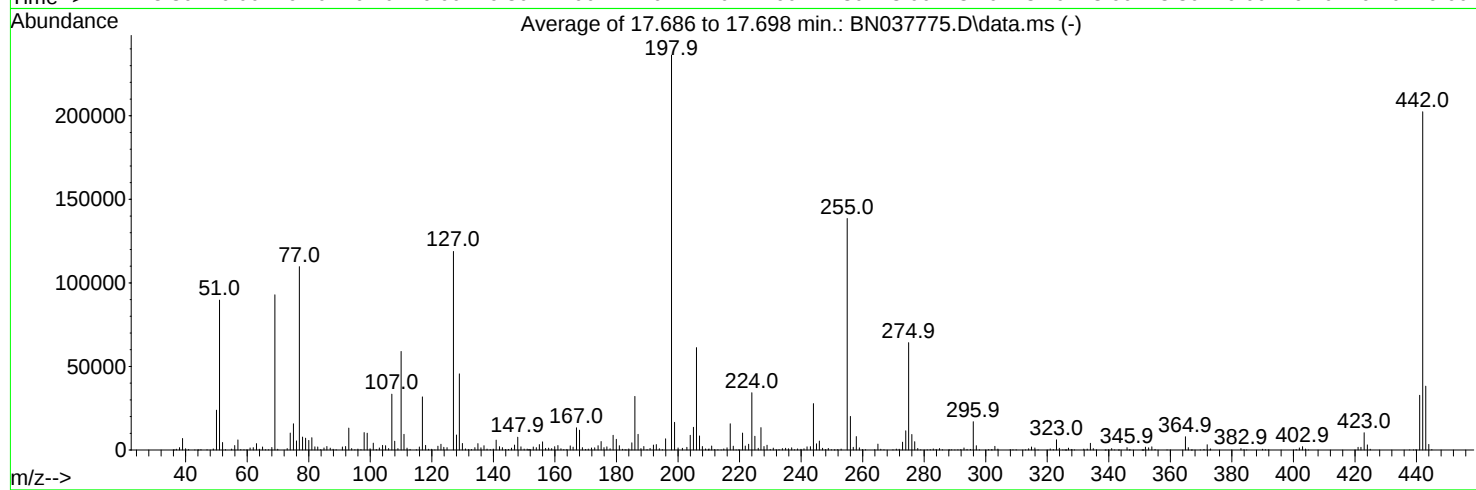
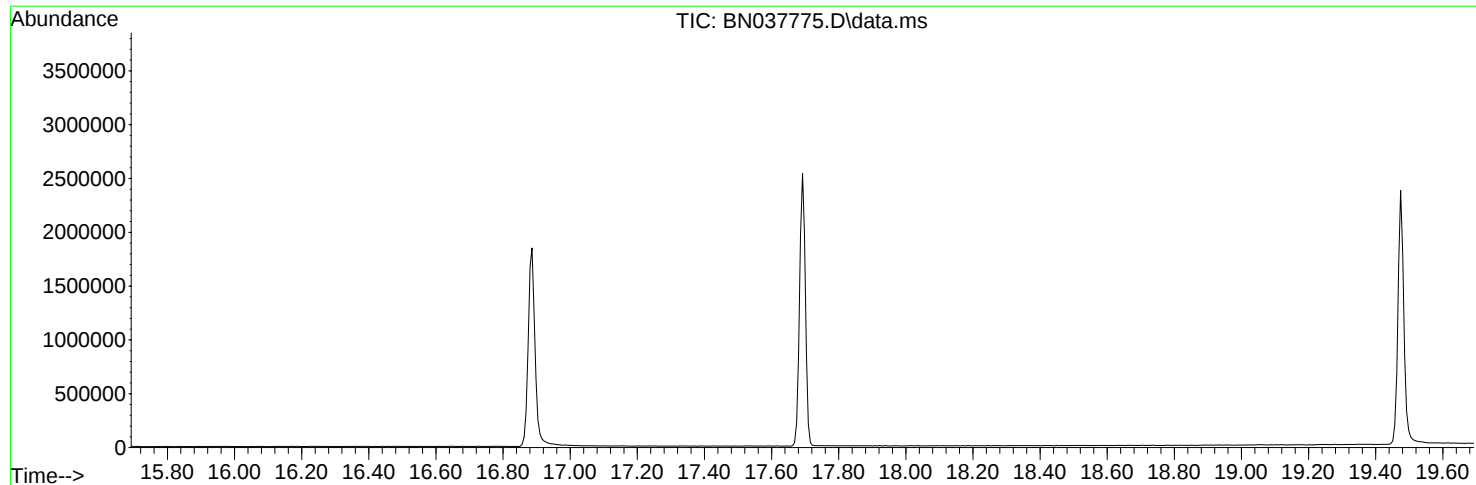
Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091825\  
Data File : BN037775.D  
Acq On : 18 Sep 2025 13:53  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Thu Sep 11 14:20:01 2025



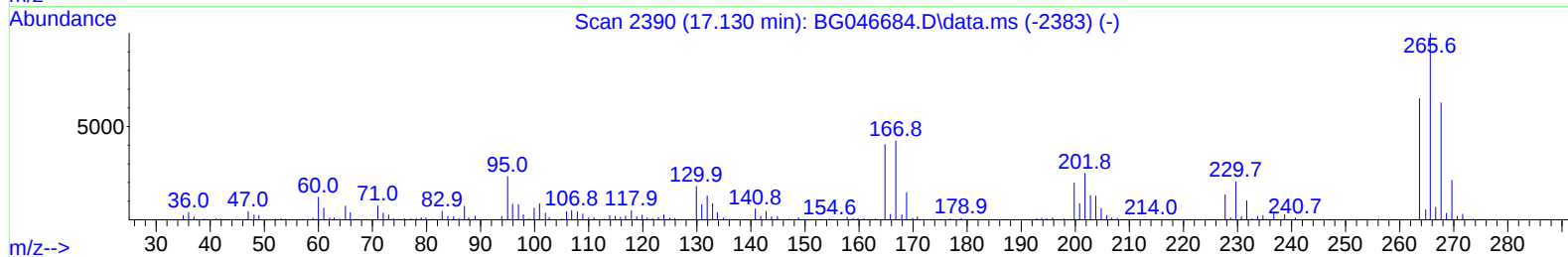
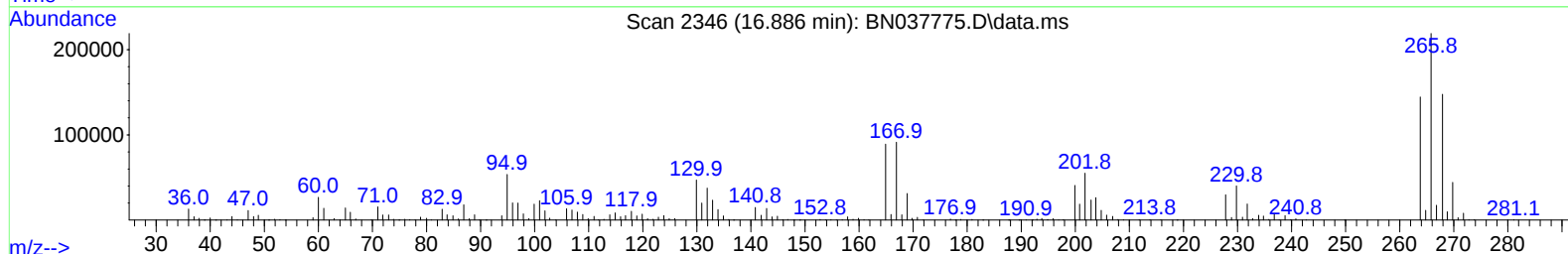
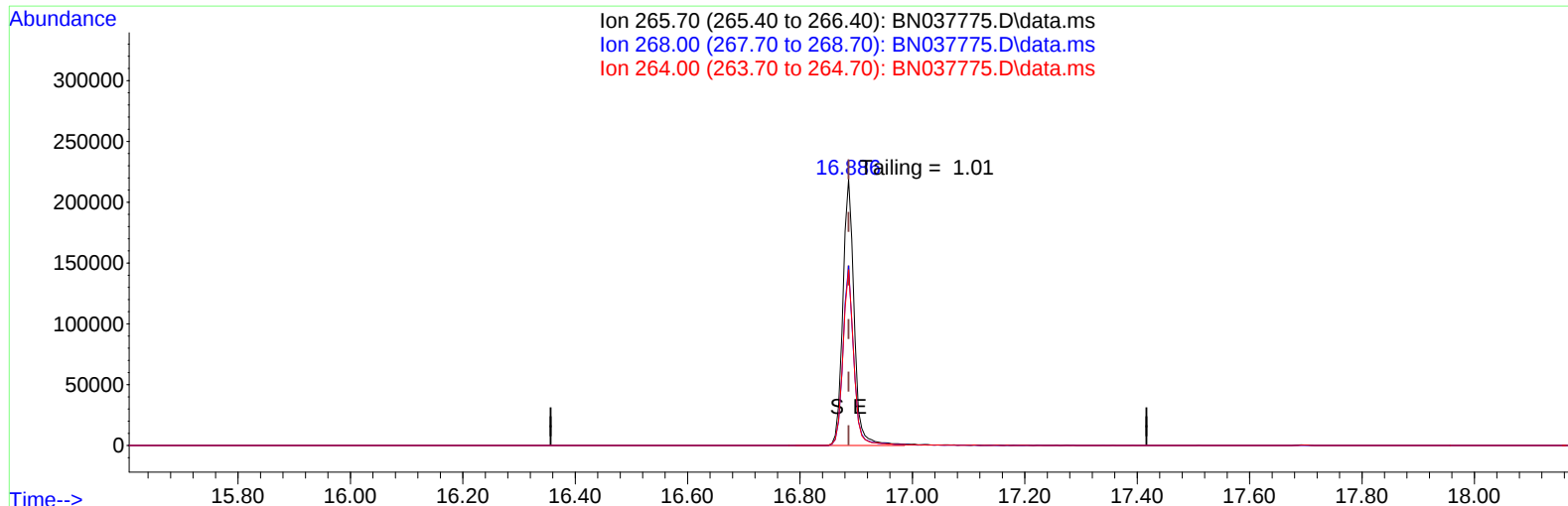
AutoFind: Scans 2482, 2483, 2484; Background Corrected with Scan 2475

| Target | Rel. to | Lower  | Upper  | Rel.  | Raw    | Result    |
|--------|---------|--------|--------|-------|--------|-----------|
| Mass   | Mass    | Limit% | Limit% | Abn%  | Abn    | Pass/Fail |
| 68     | 69      | 0.00   | 2      | 1.7   | 1536   | PASS      |
| 69     | 69      | 100    | 100    | 100.0 | 92893  | PASS      |
| 70     | 69      | 0.00   | 2      | 0.5   | 488    | PASS      |
| 197    | 198     | 0.00   | 2      | 0.0   | 0      | PASS      |
| 198    | 198     | 100    | 100    | 100.0 | 236267 | PASS      |
| 199    | 198     | 5      | 9      | 7.0   | 16530  | PASS      |
| 365    | 198     | 1      | 100    | 3.4   | 7963   | PASS      |
| 441    | 443     | 0.01   | 150    | 85.6  | 32739  | PASS      |
| 442    | 442     | 100    | 100    | 100.0 | 202432 | PASS      |
| 443    | 442     | 15     | 24     | 18.9  | 38232  | PASS      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091825\  
Data File : BN037775.D  
Acq On : 18 Sep 2025 13:53  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Quant Time: Sep 18 14:26:24 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270E-Tune.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 18 14:26:16 2025  
Response via : Initial Calibration



TIC: BN037775.D\data.ms

**(70) Pentachlorophenol (C)**

16.886min ( 0.000) 277.80 ng

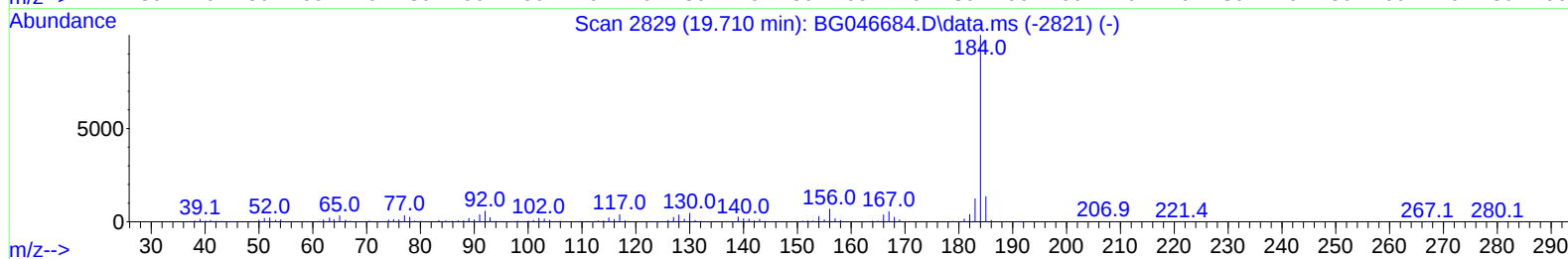
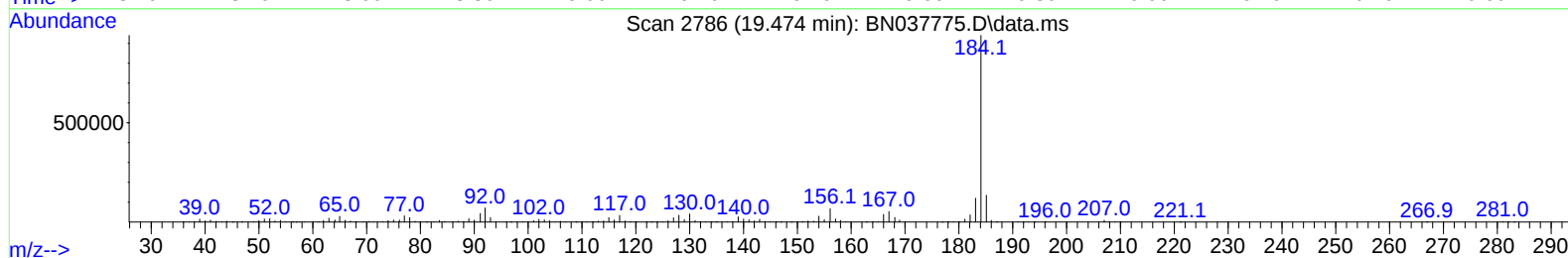
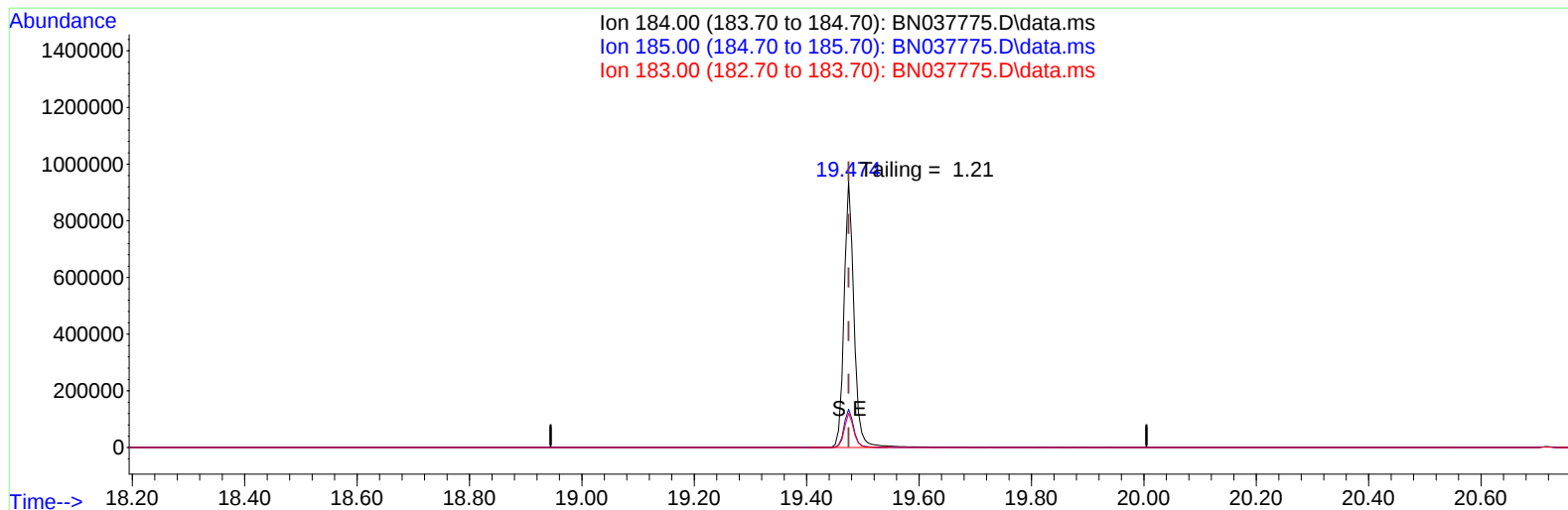
response 307595

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 62.20  | 67.44  |
| 264.00 | 61.60  | 66.00  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091825\  
Data File : BN037775.D  
Acq On : 18 Sep 2025 13:53  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Quant Time: Sep 18 14:26:24 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270E-Tune.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 18 14:26:16 2025  
Response via : Initial Calibration



TIC: BN037775.D\data.ms

**(77) Benzidine**

19.474min ( 0.000) 0.00 ng

response 1155100

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 15.50  | 14.36  |
| 183.00 | 13.20  | 12.81  |
| 0.00   | 0.00   | 0.00   |

### DDT Breakdown

| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 9/18/2025     | BNA_N            | <u>BN037775.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 760598           | 20.715             |
| DDD           | 22424            | 20.274             |
| DDE           | 1646             | 19.774             |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 24070         | 784668           | 3.07               |
|               |                  |                    |

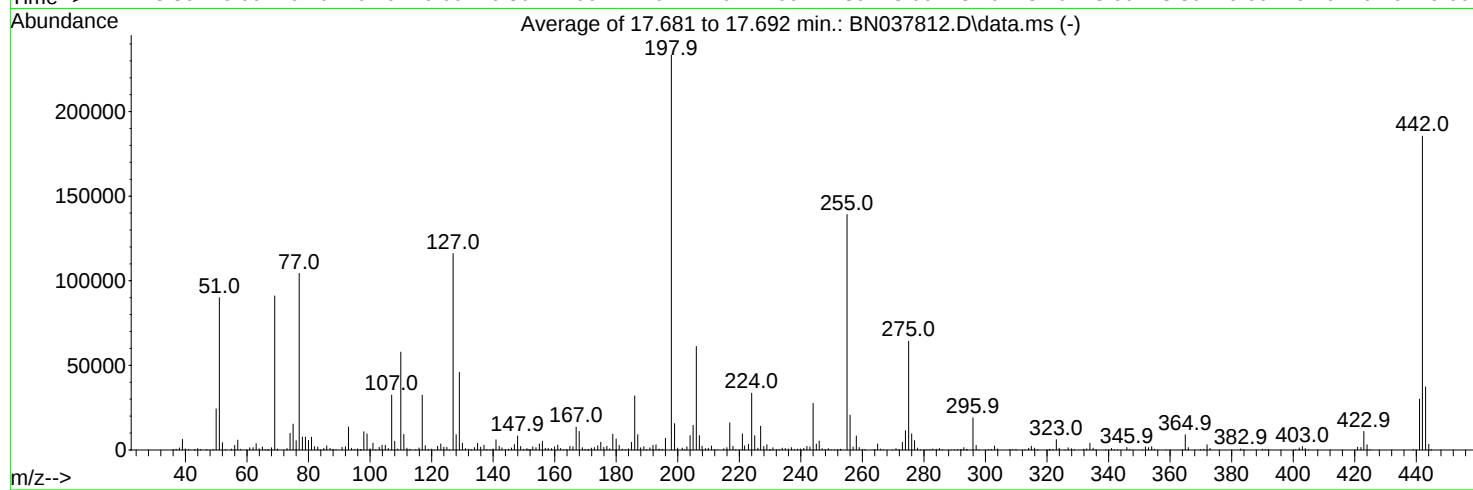
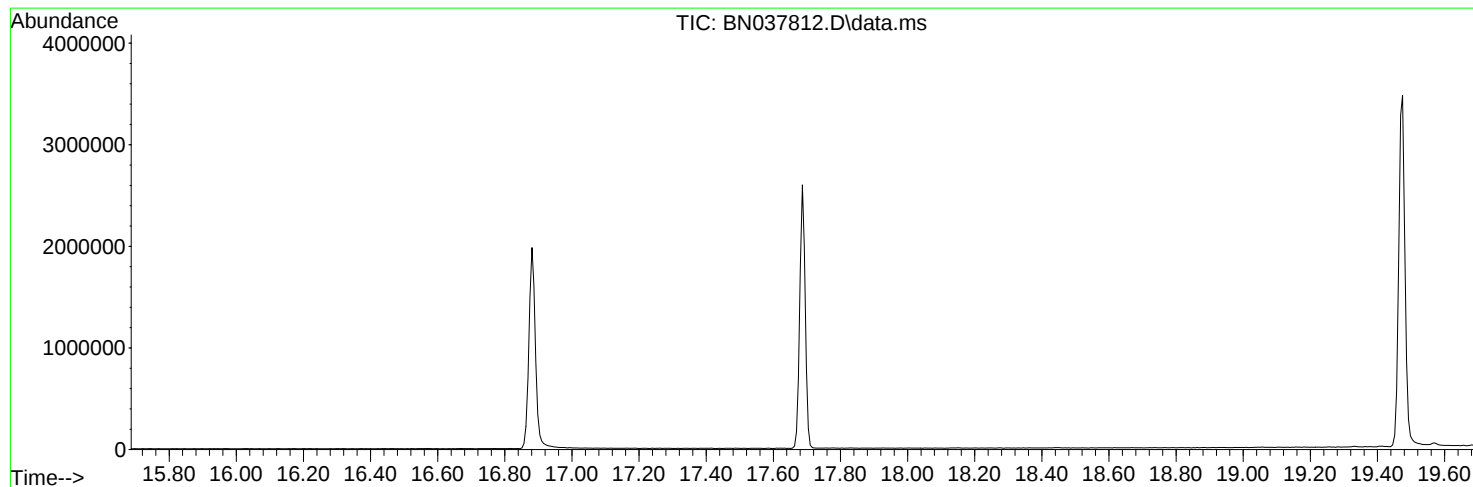
Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091925\  
Data File : BN037812.D  
Acq On : 19 Sep 2025 13:39  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
Last Update : Thu Sep 11 14:20:01 2025



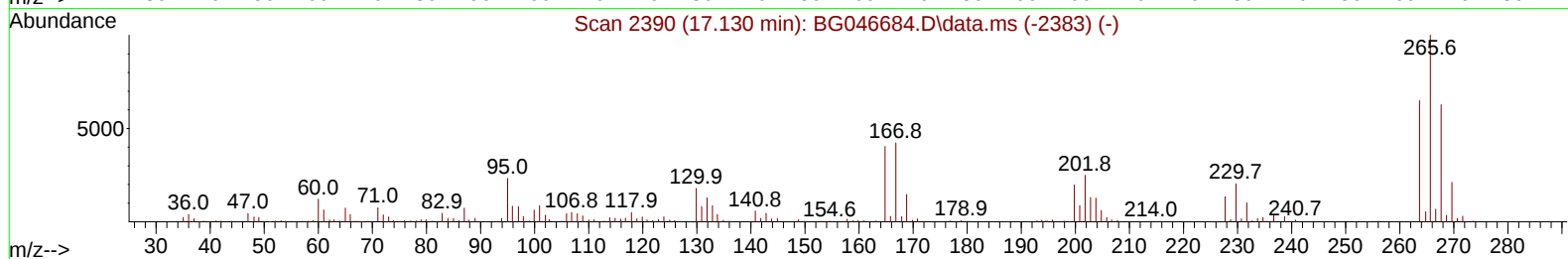
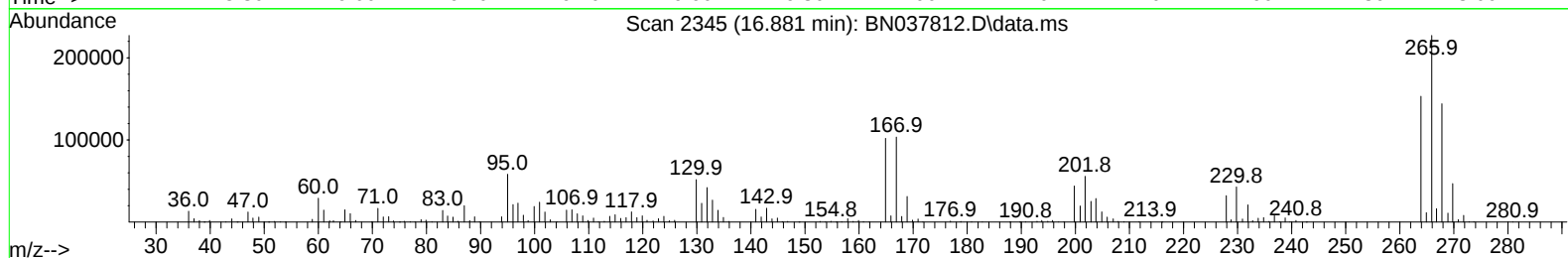
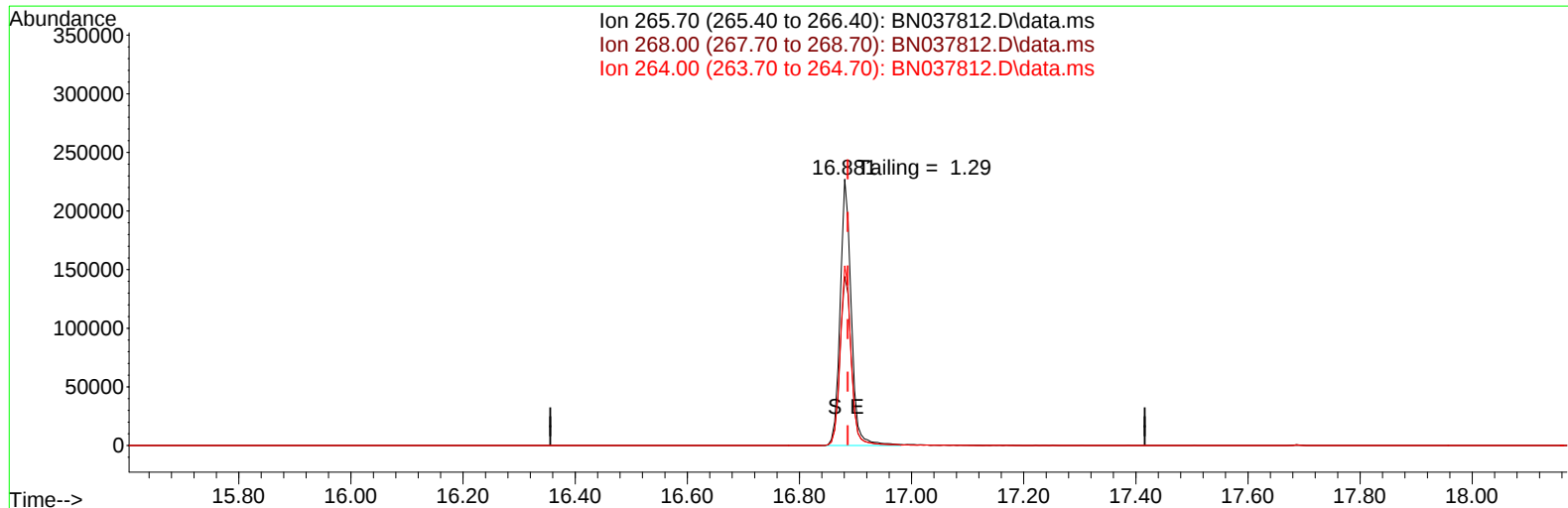
AutoFind: Scans 2481, 2482, 2483; Background Corrected with Scan 2474

| Target | Rel. to | Lower  | Upper  | Rel.  | Raw    | Result    |
|--------|---------|--------|--------|-------|--------|-----------|
| Mass   | Mass    | Limit% | Limit% | Abn%  | Abn    | Pass/Fail |
| 68     | 69      | 0.00   | 2      | 1.4   | 1252   | PASS      |
| 69     | 69      | 100    | 100    | 100.0 | 91029  | PASS      |
| 70     | 69      | 0.00   | 2      | 0.6   | 539    | PASS      |
| 197    | 198     | 0.00   | 2      | 0.0   | 0      | PASS      |
| 198    | 198     | 100    | 100    | 100.0 | 233408 | PASS      |
| 199    | 198     | 5      | 9      | 6.7   | 15546  | PASS      |
| 365    | 198     | 1      | 100    | 3.8   | 8907   | PASS      |
| 441    | 443     | 0.01   | 150    | 80.8  | 30061  | PASS      |
| 442    | 442     | 100    | 100    | 100.0 | 185456 | PASS      |
| 443    | 442     | 15     | 24     | 20.1  | 37200  | PASS      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091925\  
Data File : BN037812.D  
Acq On : 19 Sep 2025 13:39  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Quant Time: Sep 22 20:01:10 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270E-Tune.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Sep 20 01:53:13 2025  
Response via : Initial Calibration



TIC: BN037812.D\data.ms

**(70) Pentachlorophenol (C)**

**16.881min (-0.005) 23824.83 ng**

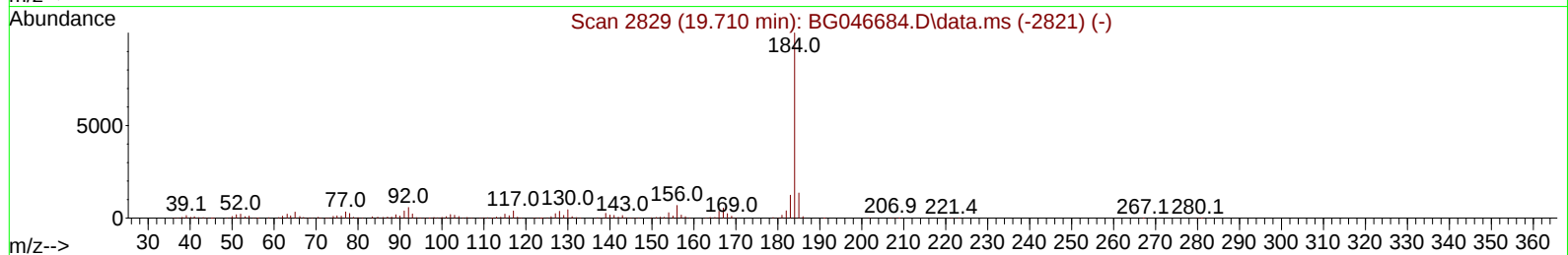
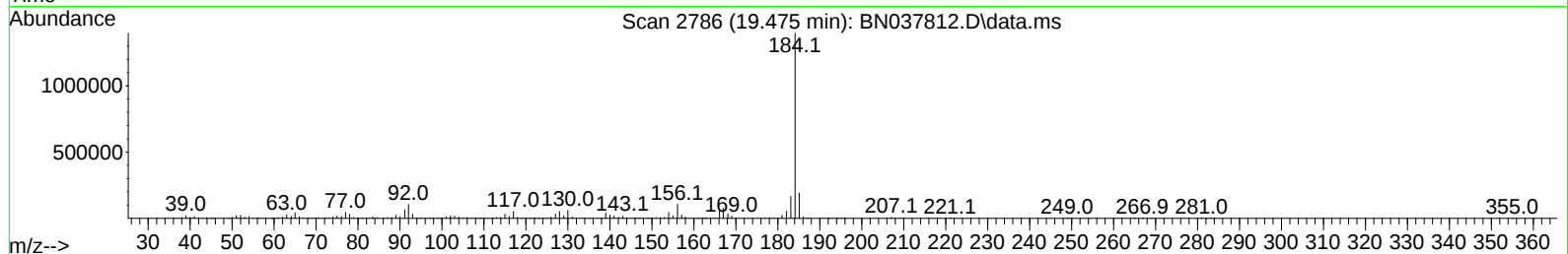
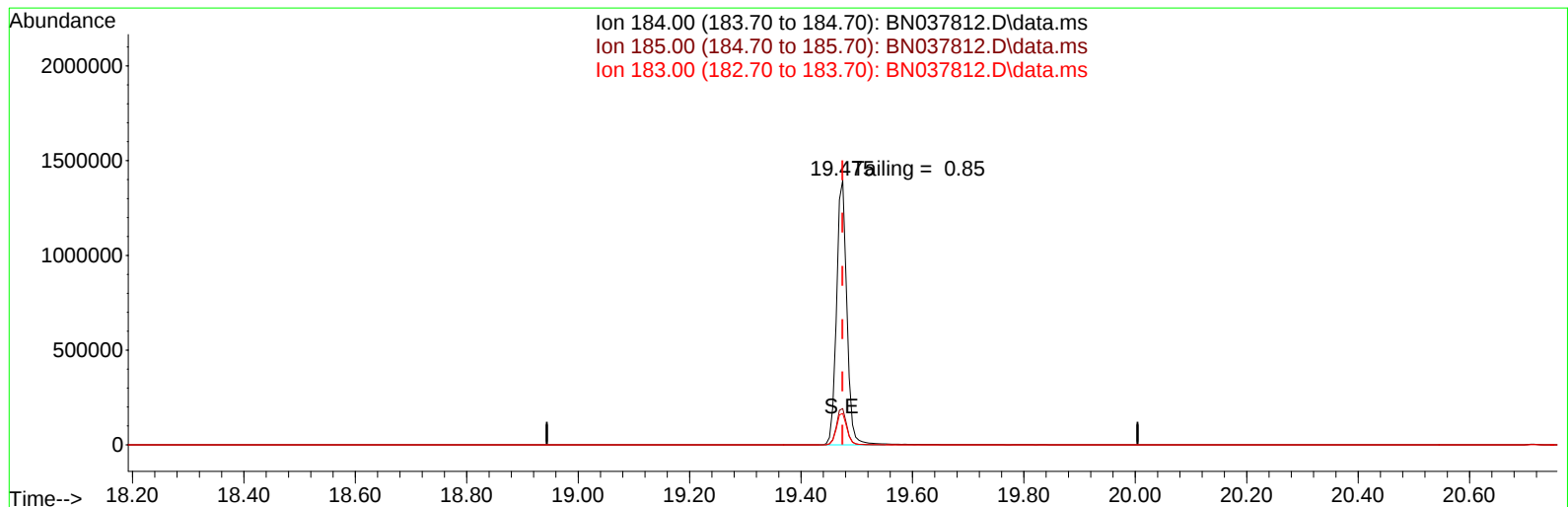
**response 312055**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 62.20  | 63.43  |
| 264.00 | 61.60  | 67.43  |
| 0.00   | 0.00   | 0.00   |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091925\  
Data File : BN037812.D  
Acq On : 19 Sep 2025 13:39  
Operator : RC/JU  
Sample : DFTPP  
Misc :  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

Quant Time: Sep 22 20:01:10 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270E-Tune.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Sep 20 01:53:13 2025  
Response via : Initial Calibration



TIC: BN037812.D\data.ms

**(77) Benizidine**

**19.475min (+ 0.001) 0.00 ng**

**response 1812303**

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 15.50  | 13.75  |
| 183.00 | 13.20  | 11.88  |
| 0.00   | 0.00   | 0.00   |

# DDT Breakdown

| Date          | Instrument Name  | DFTPP Data File    |
|---------------|------------------|--------------------|
| 9/19/2025     | BNA_N            | <u>BN037812.D</u>  |
|               |                  |                    |
|               |                  |                    |
| Compound Name | Response         | Retention Time     |
|               |                  |                    |
| DDT           | 836771           | 20.716             |
| DDD           | 28711            | 20.275             |
| DDE           | 1832             | 19.769             |
|               |                  |                    |
|               |                  |                    |
| SUM(DDD+DDE)  | SUM(DDT+DDD+DDE) | % Breakdown Of DDT |
|               |                  |                    |
| 30543         | 867314           | 3.52               |
|               |                  |                    |

Instrument :  
BNA\_N  
ClientSampleId :  
DFTPP

## Report of Analysis

|                    |                  |                 |          |
|--------------------|------------------|-----------------|----------|
| Client:            | G Environmental  | Date Collected: |          |
| Project:           | Blanchard        | Date Received:  |          |
| Client Sample ID:  | PB169693BL       | SDG No.:        | Q3083    |
| Lab Sample ID:     | PB169693BL       | Matrix:         | Water    |
| Analytical Method: | SW8270ESIM       | % Solid:        | 0        |
| Sample Wt/Vol:     | 1000 Units: mL   | Final Vol:      | 1000 uL  |
| Soil Aliquot Vol:  | uL               | Test:           | SVOC-SIM |
| Extraction Type :  | Decanted : N     | Level :         | LOW      |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup :   | N PH :   |
| Prep Method :      |                  |                 |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037777.D        | 1         | 09/15/25 12:00 | 09/18/25 15:10 | PB169693      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 91-20-3                   | Naphthalene             | 0.040 | U         | 0.040               | 0.10       | ug/L     |
| 208-96-8                  | Acenaphthylene          | 0.040 | U         | 0.040               | 0.10       | ug/L     |
| 83-32-9                   | Acenaphthene            | 0.040 | U         | 0.040               | 0.10       | ug/L     |
| 86-73-7                   | Fluorene                | 0.040 | U         | 0.040               | 0.10       | ug/L     |
| 85-01-8                   | Phenanthrene            | 0.030 | U         | 0.030               | 0.10       | ug/L     |
| 120-12-7                  | Anthracene              | 0.040 | U         | 0.040               | 0.10       | ug/L     |
| 206-44-0                  | Fluoranthene            | 0.030 | U         | 0.030               | 0.10       | ug/L     |
| 129-00-0                  | Pyrene                  | 0.030 | U         | 0.030               | 0.10       | ug/L     |
| 56-55-3                   | Benzo(a)anthracene      | 0.040 | U         | 0.040               | 0.10       | ug/L     |
| 218-01-9                  | Chrysene                | 0.040 | U         | 0.040               | 0.10       | ug/L     |
| 205-99-2                  | Benzo(b)fluoranthene    | 0.040 | U         | 0.040               | 0.10       | ug/L     |
| 207-08-9                  | Benzo(k)fluoranthene    | 0.050 | U         | 0.050               | 0.10       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene          | 0.040 | U         | 0.040               | 0.10       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene  | 0.050 | U         | 0.050               | 0.10       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene  | 0.050 | U         | 0.050               | 0.10       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene    | 0.040 | U         | 0.040               | 0.10       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.33  |           | 30 (20) - 150 (139) | 82%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.32  |           | 30 (54) - 150 (157) | 80%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.38  |           | 30 (27) - 130 (154) | 96%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.40  |           | 30 (30) - 130 (155) | 99%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.36  |           | 30 (54) - 130 (175) | 90%        | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 6670  | 7.84      |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 17000 | 10.637    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 7050  | 14.484    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 11700 | 17.236    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 9220  | 21.411    |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 9000  | 23.75     |                     |            |          |

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: |                              |
| Project:           | Blanchard              | Date Received:  |                              |
| Client Sample ID:  | PB169693BL             | SDG No.:        | Q3083                        |
| Lab Sample ID:     | PB169693BL             | Matrix:         | Water                        |
| Analytical Method: | SW8270ESIM             | % Solid:        | 0                            |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOC-SIM                     |
| Extraction Type :  | Decanted :      N      | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N                      PH :  |
| Prep Method :      |                        |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037777.D        | 1         | 09/15/25 12:00 | 09/18/25 15:10 | PB169693      |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091825\  
Data File : BN037777.D  
Acq On : 18 Sep 2025 15:10  
Operator : RC/JU  
Sample : PB169693BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BL

Quant Time: Sep 18 15:49:26 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 11 14:20:01 2025  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards          |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.840  | 152  | 6667     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8           | 10.637 | 136  | 17045    | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10        | 14.484 | 164  | 7049     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10        | 17.236 | 188  | 11652    | 0.400 | ng    | 0.00     |
| 29) Chrysene-d12            | 21.411 | 240  | 9221     | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12            | 23.750 | 264  | 9002     | 0.400 | ng    | # 0.00   |
| System Monitoring Compounds |        |      |          |       |       |          |
| 4) 2-Fluorophenol           | 5.399  | 112  | 5270     | 0.344 | ng    | 0.00     |
| 5) Phenol-d6                | 6.988  | 99   | 6284     | 0.317 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.982  | 82   | 4777     | 0.383 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10 | 12.233 | 152  | 7427     | 0.329 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol    | 15.982 | 330  | 384      | 0.209 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.116 | 172  | 11632    | 0.395 | ng    | 0.00     |
| 27) Fluoranthene-d10        | 19.267 | 212  | 9319     | 0.319 | ng    | 0.00     |
| 31) Terphenyl-d14           | 19.866 | 244  | 6747     | 0.361 | ng    | 0.00     |

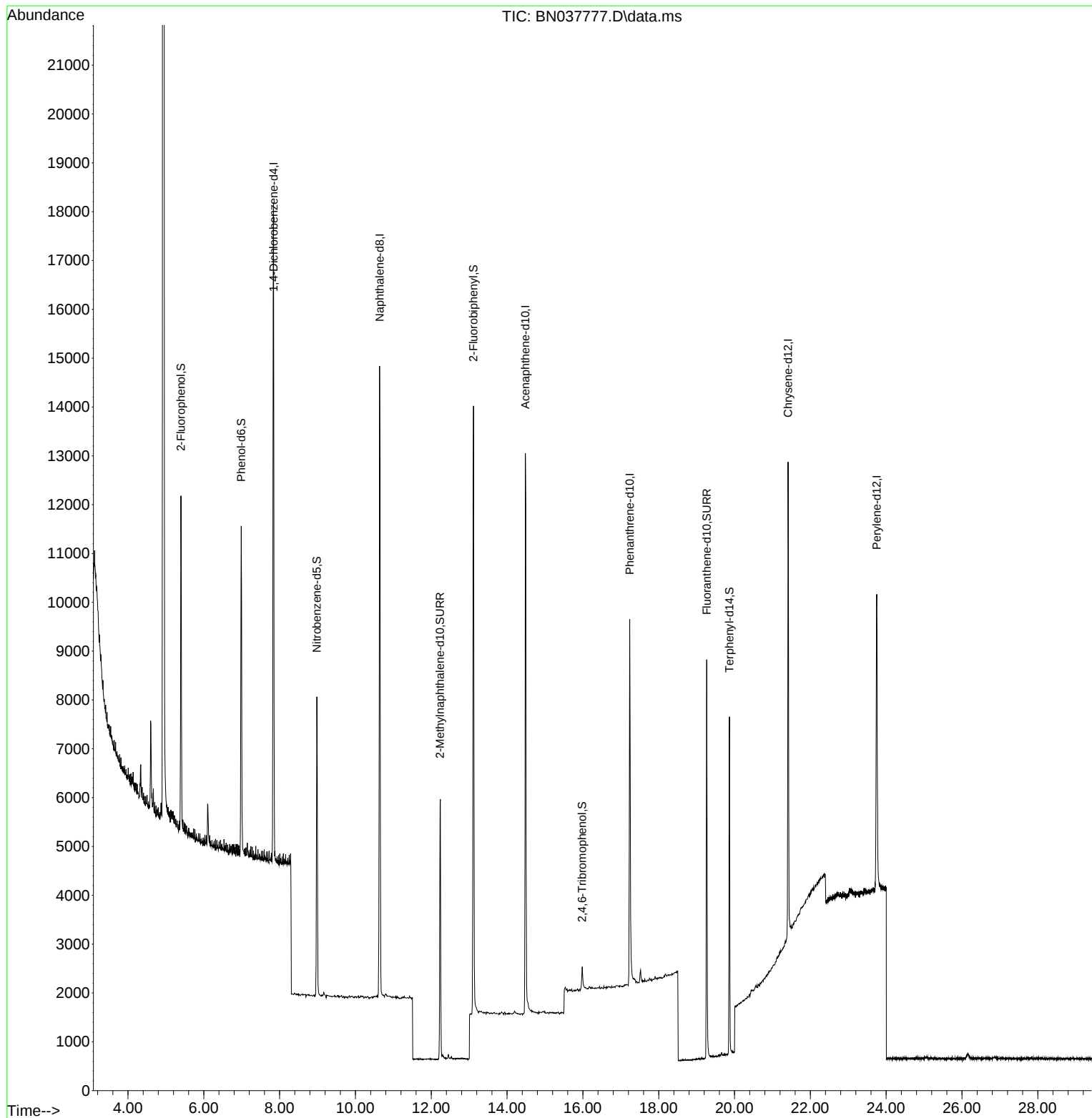
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

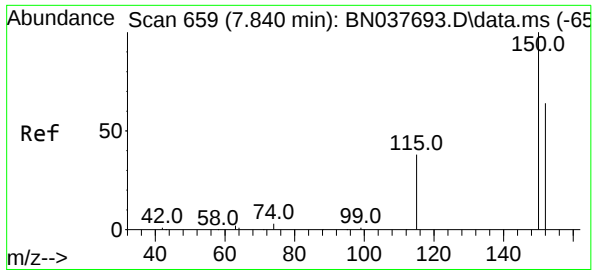
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091825\  
Data File : BN037777.D  
Acq On : 18 Sep 2025 15:10  
Operator : RC/JU  
Sample : PB169693BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BL

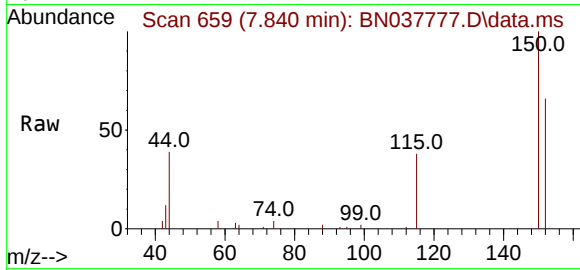
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 11 14:20:01 2025  
Response via : Initial Calibration



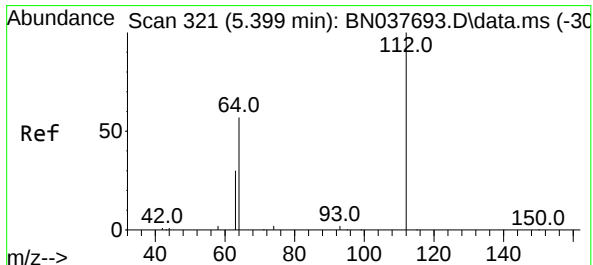
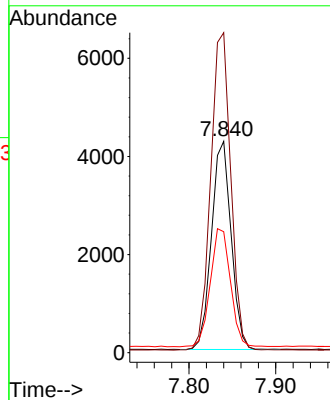
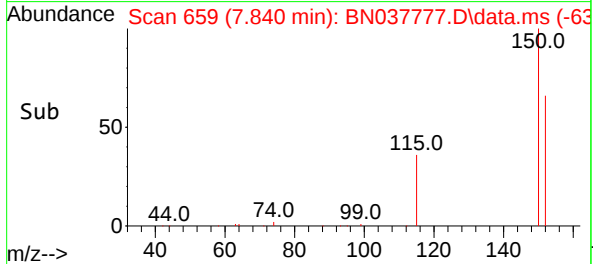


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.840 min Scan# 659  
Delta R.T. 0.000 min  
Lab File: BN037777.D  
Acq: 18 Sep 2025 15:10

Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BL

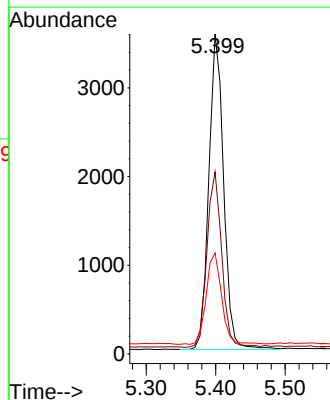
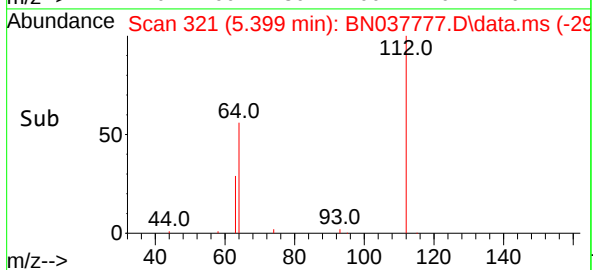
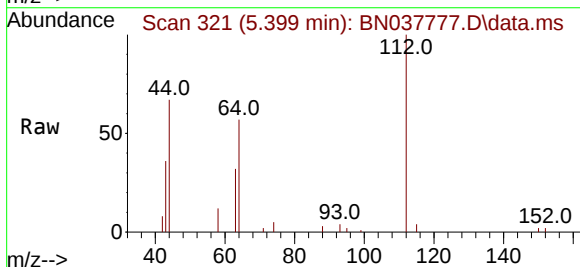


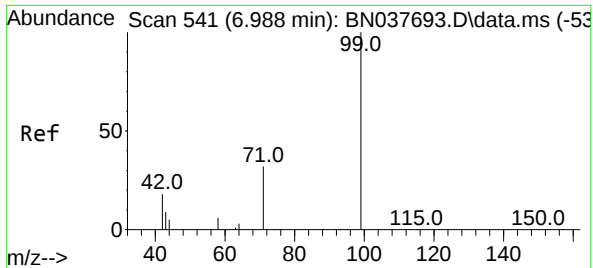
Tgt Ion:152 Resp: 6667  
Ion Ratio Lower Upper  
152 100  
150 151.3 124.5 186.7  
115 57.2 49.2 73.8



#4  
2-Fluorophenol  
Concen: 0.344 ng  
RT: 5.399 min Scan# 321  
Delta R.T. 0.000 min  
Lab File: BN037777.D  
Acq: 18 Sep 2025 15:10

Tgt Ion:112 Resp: 5270  
Ion Ratio Lower Upper  
112 100  
64 55.6 44.9 67.3  
63 30.1 24.7 37.1

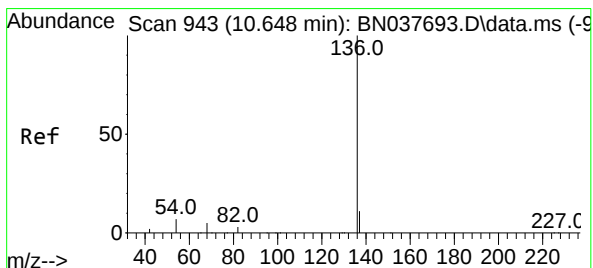
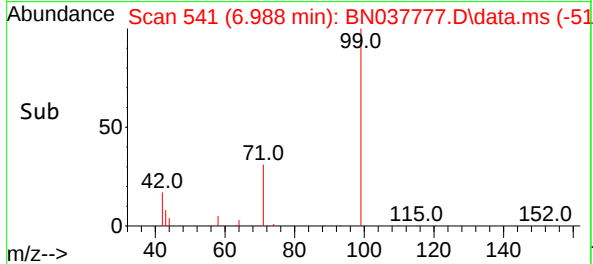
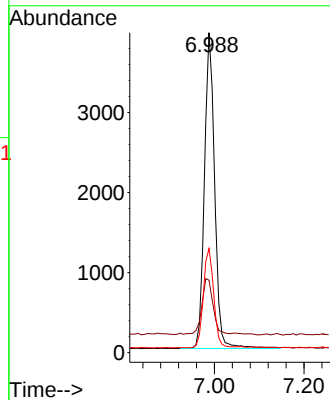
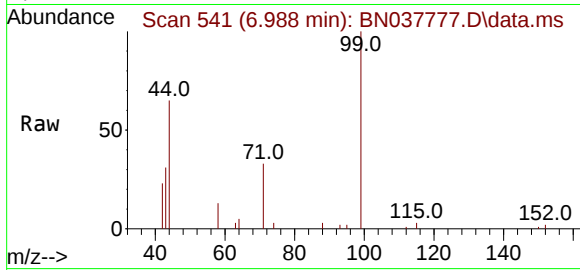




#5  
Phenol-d6  
Concen: 0.317 ng  
RT: 6.988 min Scan# 541  
Delta R.T. 0.000 min  
Lab File: BN037777.D  
Acq: 18 Sep 2025 15:10

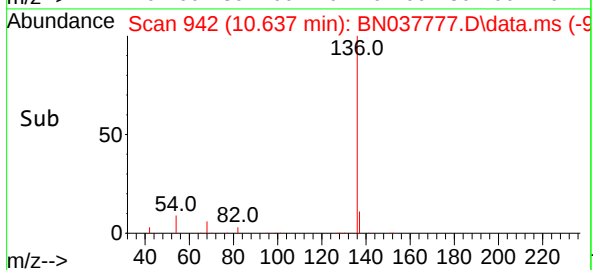
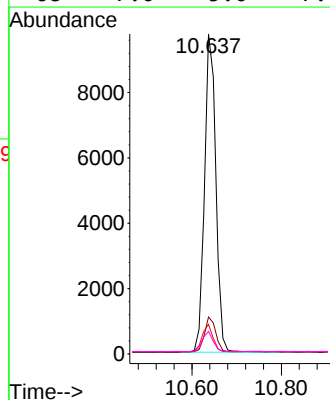
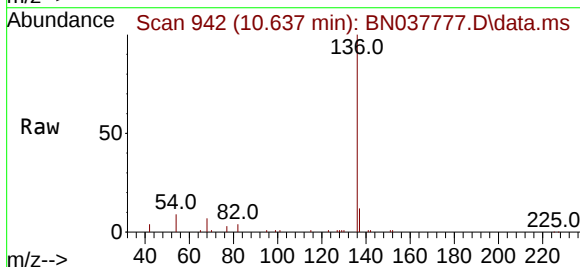
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BL

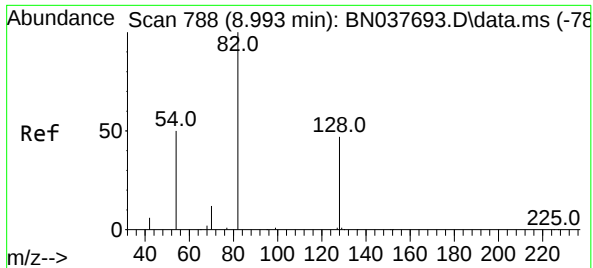
| Tgt Ion: | 99    | Resp: | 6284  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 99       | 100   |       |       |
| 42       | 19.0  | 16.6  | 24.8  |
| 71       | 31.6  | 26.7  | 40.1  |



#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.637 min Scan# 942  
Delta R.T. -0.011 min  
Lab File: BN037777.D  
Acq: 18 Sep 2025 15:10

| Tgt Ion: | 136   | Resp: | 17045 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.5  | 9.1   | 13.7  |
| 54       | 9.3   | 6.3   | 9.5   |
| 68       | 7.0   | 5.0   | 7.4   |

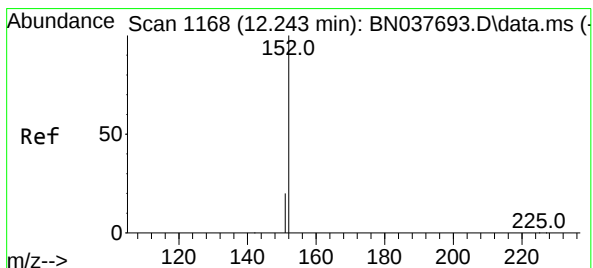
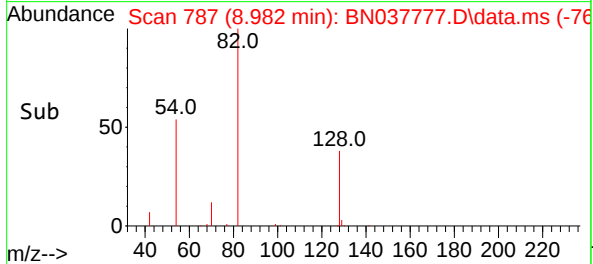
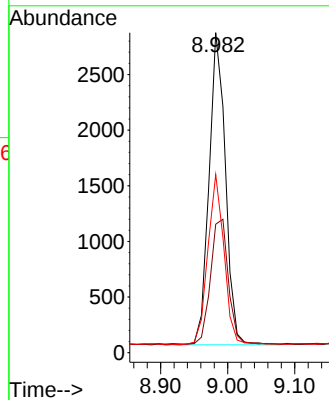
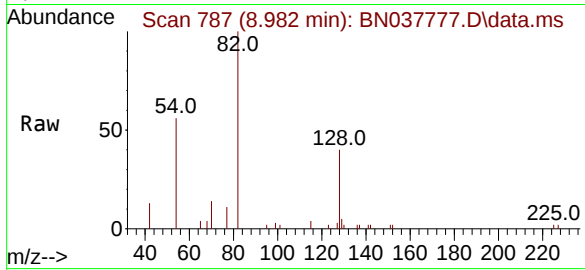




#8  
Nitrobenzene-d5  
Concen: 0.383 ng  
RT: 8.982 min Scan# 71  
Delta R.T. -0.011 min  
Lab File: BN037777.D  
Acq: 18 Sep 2025 15:10

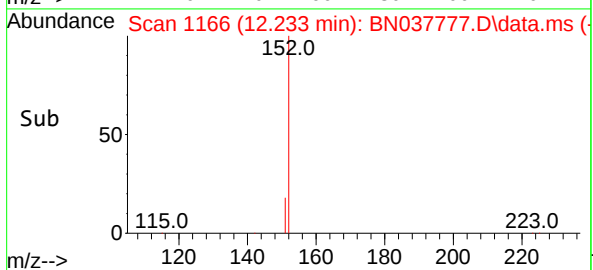
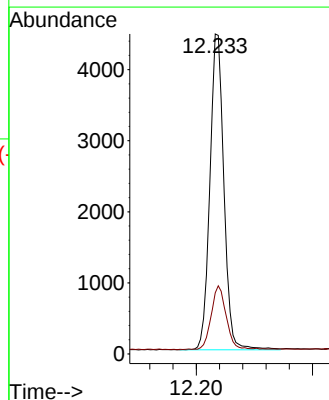
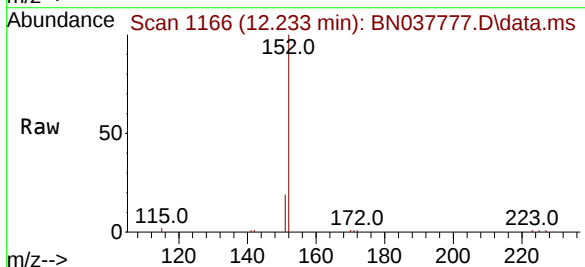
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BL

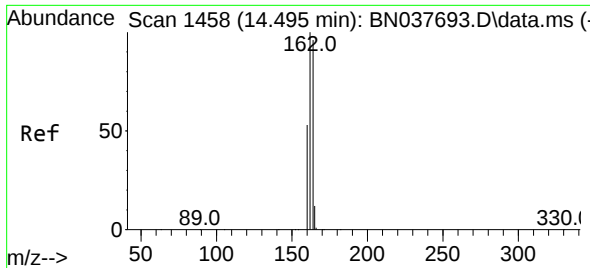
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 4777  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 40.2  | 38.3  | 57.5  |
| 54       | 55.6  | 41.4  | 62.2  |



#11  
2-Methylnaphthalene-d10  
Concen: 0.329 ng  
RT: 12.233 min Scan# 1166  
Delta R.T. -0.010 min  
Lab File: BN037777.D  
Acq: 18 Sep 2025 15:10

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 7427  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 151      | 21.2  | 17.0  | 25.6  |

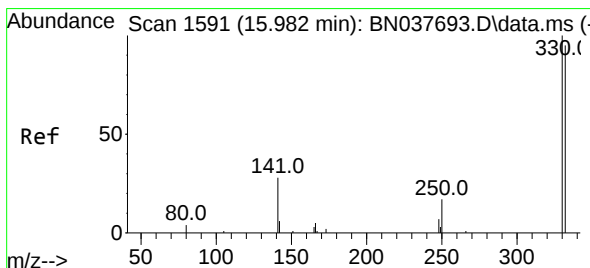
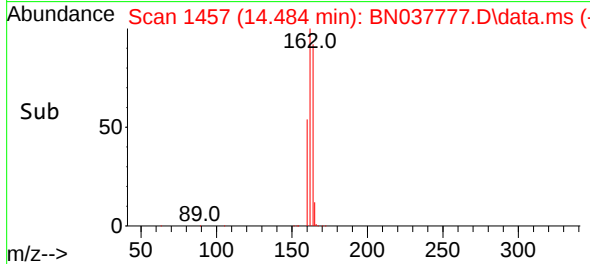
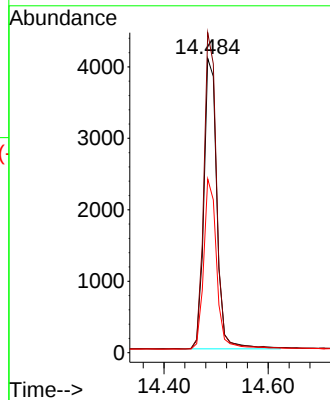
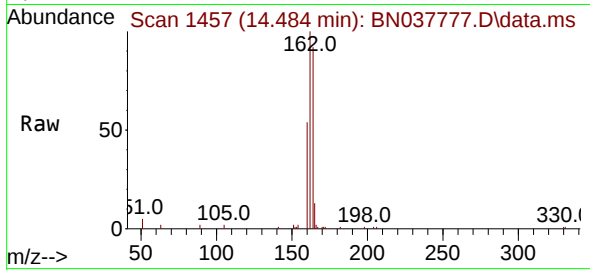




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.484 min Scan# 1457  
Delta R.T. -0.011 min  
Lab File: BN037777.D  
Acq: 18 Sep 2025 15:10

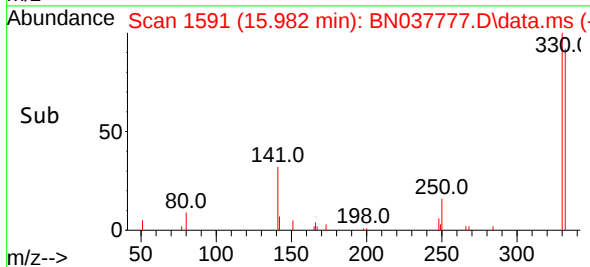
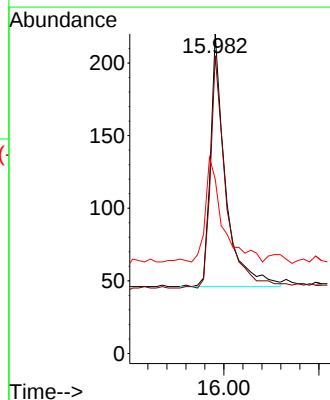
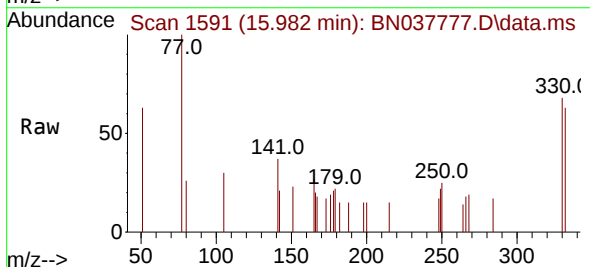
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BL

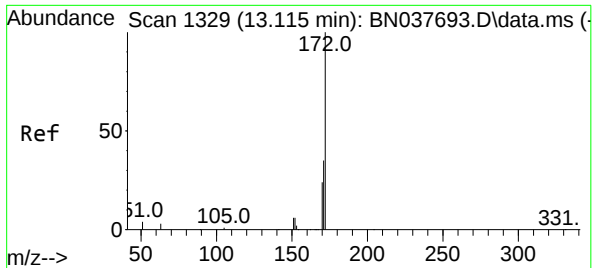
Tgt Ion:164 Resp: 7049  
Ion Ratio Lower Upper  
164 100  
162 108.8 83.1 124.7  
160 59.1 44.3 66.5



#14  
2,4,6-Tribromophenol  
Concen: 0.209 ng  
RT: 15.982 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: BN037777.D  
Acq: 18 Sep 2025 15:10

Tgt Ion:330 Resp: 384  
Ion Ratio Lower Upper  
330 100  
332 94.0 75.3 112.9  
141 46.1 35.0 52.4

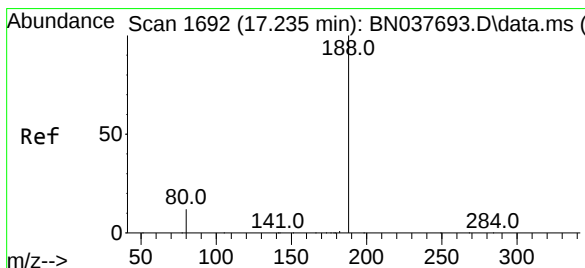
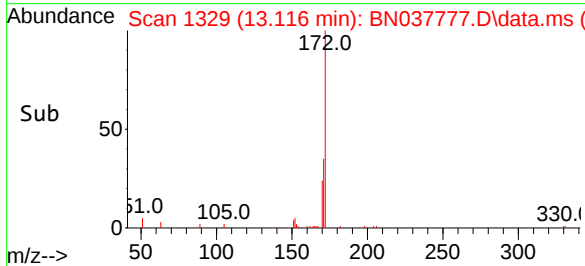
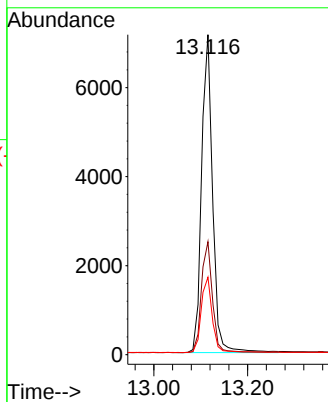
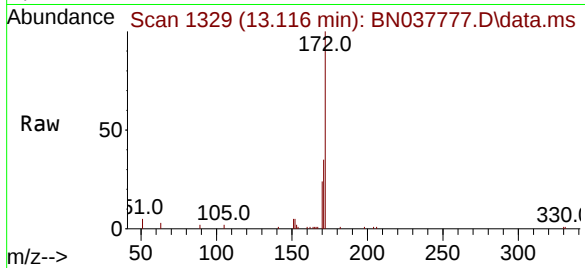




#15  
2-Fluorobiphenyl  
Concen: 0.395 ng  
RT: 13.116 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN037777.D  
Acq: 18 Sep 2025 15:10

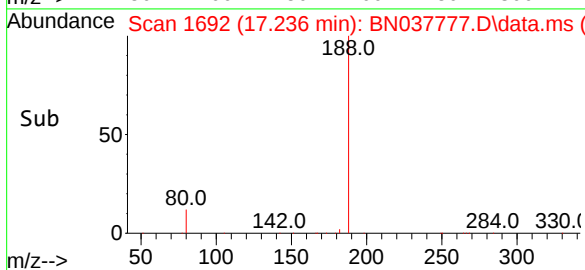
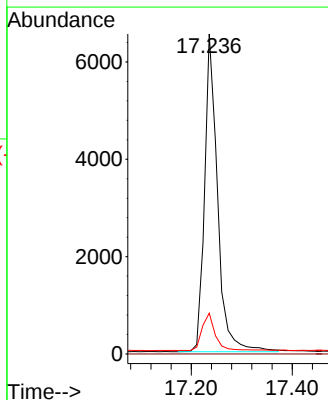
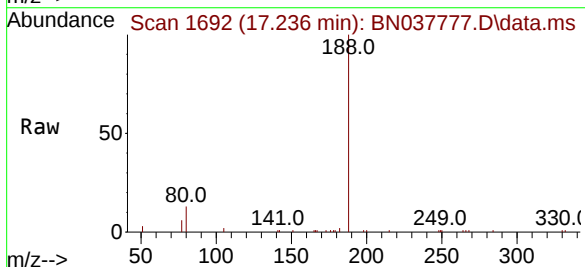
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BL

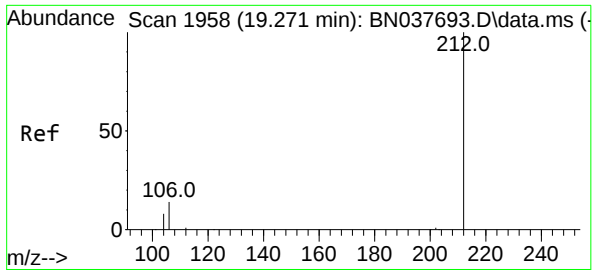
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 28.6  | 43.0  |
| 170     | 24.2  | 19.8  | 29.8  |



#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.236 min Scan# 1692  
Delta R.T. 0.000 min  
Lab File: BN037777.D  
Acq: 18 Sep 2025 15:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 0.0   | 0.0   | 0.0   |
| 80      | 12.7  | 10.6  | 15.8  |





#27

Fluoranthene-d10

Concen: 0.319 ng

RT: 19.267 min Scan# 1957

Delta R.T. -0.005 min

Lab File: BN037777.D

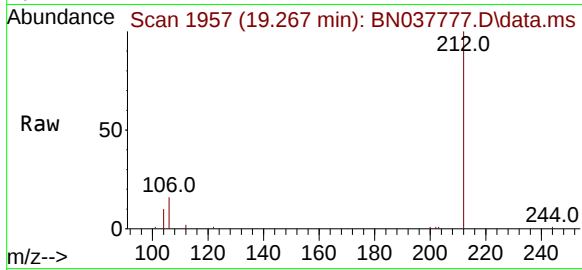
Acq: 18 Sep 2025 15:10

Instrument :

BNA\_N

ClientSampleId :

PB169693BL



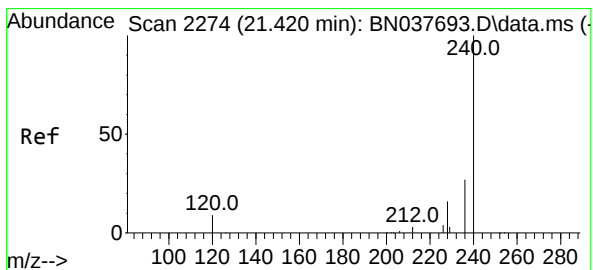
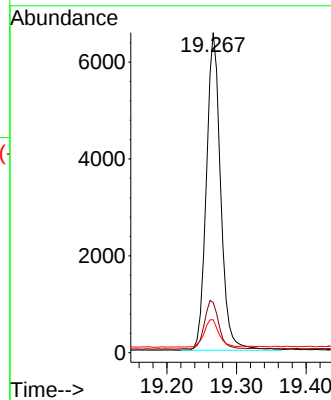
Tgt Ion:212 Resp: 9319

Ion Ratio Lower Upper

212 100

106 15.7 12.2 18.2

104 8.9 6.9 10.3



#29

Chrysene-d12

Concen: 0.400 ng

RT: 21.411 min Scan# 2273

Delta R.T. -0.009 min

Lab File: BN037777.D

Acq: 18 Sep 2025 15:10

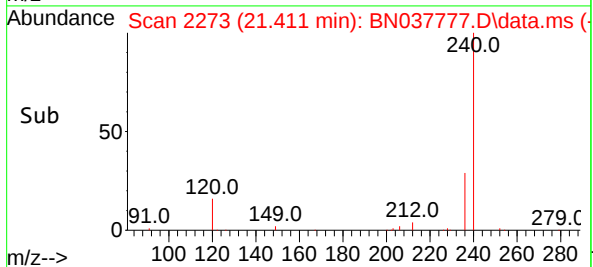
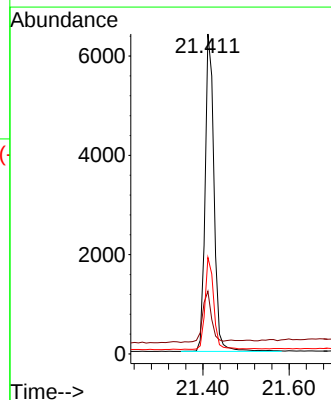
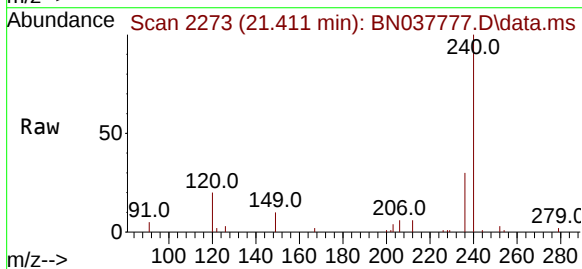
Tgt Ion:240 Resp: 9221

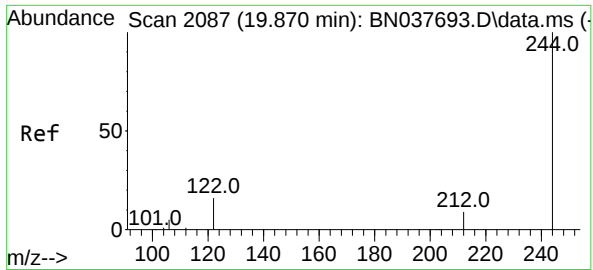
Ion Ratio Lower Upper

240 100

120 19.6 9.2 13.8

236 30.1 22.6 33.8

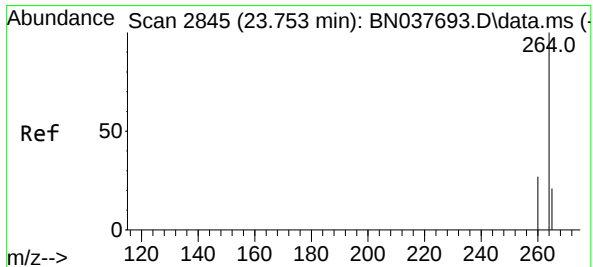
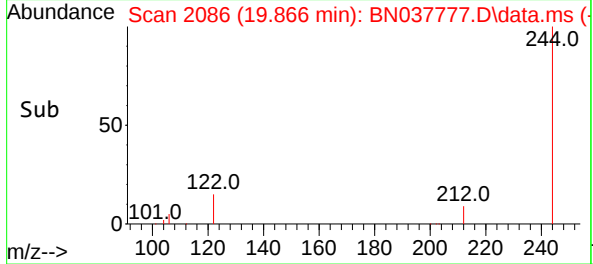
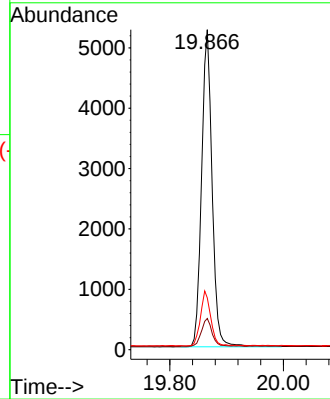
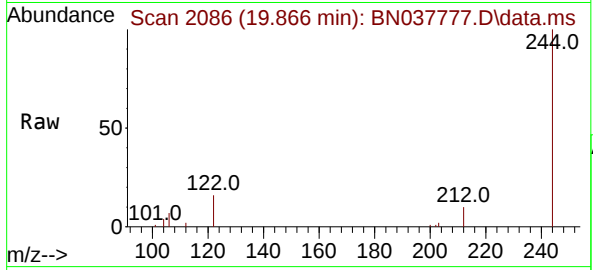




#31  
Terphenyl-d14  
Concen: 0.361 ng  
RT: 19.866 min Scan# 2086  
Delta R.T. -0.005 min  
Lab File: BN037777.D  
Acq: 18 Sep 2025 15:10

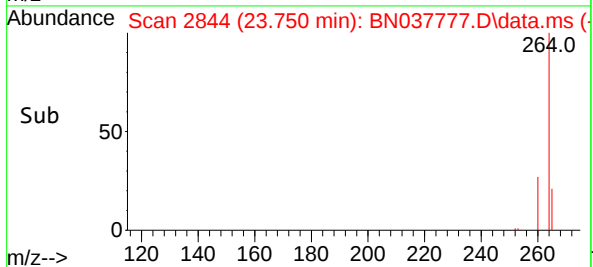
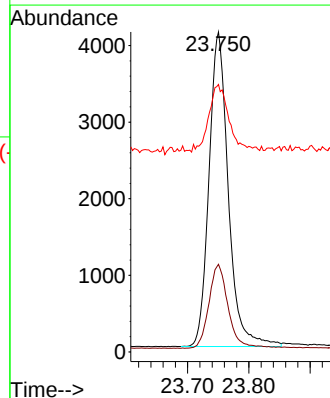
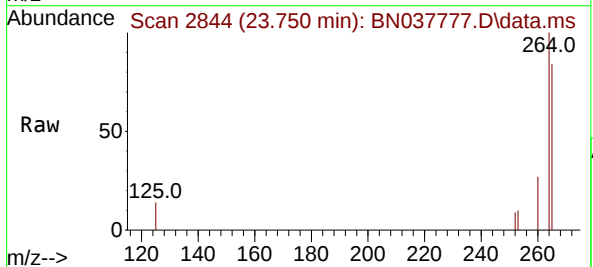
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BL

Tgt Ion:244 Resp: 6747  
Ion Ratio Lower Upper  
244 100  
212 9.8 7.5 11.3  
122 16.2 13.2 19.8



#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.750 min Scan# 2844  
Delta R.T. -0.003 min  
Lab File: BN037777.D  
Acq: 18 Sep 2025 15:10

Tgt Ion:264 Resp: 9002  
Ion Ratio Lower Upper  
264 100  
260 27.4 21.8 32.8  
265 83.6 39.4 59.2#



## Report of Analysis

|                    |                        |                 |                   |
|--------------------|------------------------|-----------------|-------------------|
| Client:            | G Environmental        | Date Collected: |                   |
| Project:           | Blanchard              | Date Received:  |                   |
| Client Sample ID:  | PB169693BS             | SDG No.:        | Q3083             |
| Lab Sample ID:     | PB169693BS             | Matrix:         | Water             |
| Analytical Method: | SW8270ESIM             | % Solid:        | 0                 |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL      |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOC-SIM          |
| Extraction Type :  | Decanted :    N        | Level :         | LOW               |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N            PH : |
| Prep Method :      |                        |                 |                   |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037792.D        | 1         | 09/15/25 12:00 | 09/19/25 00:16 | PB169693      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 91-20-3                   | Naphthalene             | 0.34  |           | 0.040               | 0.10       | ug/L     |
| 208-96-8                  | Acenaphthylene          | 0.36  |           | 0.040               | 0.10       | ug/L     |
| 83-32-9                   | Acenaphthene            | 0.34  |           | 0.040               | 0.10       | ug/L     |
| 86-73-7                   | Fluorene                | 0.31  |           | 0.040               | 0.10       | ug/L     |
| 85-01-8                   | Phenanthrene            | 0.35  |           | 0.030               | 0.10       | ug/L     |
| 120-12-7                  | Anthracene              | 0.34  |           | 0.040               | 0.10       | ug/L     |
| 206-44-0                  | Fluoranthene            | 0.30  |           | 0.030               | 0.10       | ug/L     |
| 129-00-0                  | Pyrene                  | 0.33  |           | 0.030               | 0.10       | ug/L     |
| 56-55-3                   | Benzo(a)anthracene      | 0.36  |           | 0.040               | 0.10       | ug/L     |
| 218-01-9                  | Chrysene                | 0.36  |           | 0.040               | 0.10       | ug/L     |
| 205-99-2                  | Benzo(b)fluoranthene    | 0.37  |           | 0.040               | 0.10       | ug/L     |
| 207-08-9                  | Benzo(k)fluoranthene    | 0.35  |           | 0.050               | 0.10       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene          | 0.40  |           | 0.040               | 0.10       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene  | 0.41  |           | 0.050               | 0.10       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene  | 0.39  |           | 0.050               | 0.10       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene    | 0.40  |           | 0.040               | 0.10       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.31  |           | 30 (20) - 150 (139) | 77%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.29  |           | 30 (54) - 150 (157) | 73%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.36  |           | 30 (27) - 130 (154) | 90%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.37  |           | 30 (30) - 130 (155) | 92%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.32  |           | 30 (54) - 130 (175) | 81%        | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7440  | 7.833     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 19400 | 10.637    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 8150  | 14.484    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 12400 | 17.235    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 10100 | 21.411    |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 10200 | 23.738    |                     |            |          |

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: |                              |
| Project:           | Blanchard              | Date Received:  |                              |
| Client Sample ID:  | PB169693BS             | SDG No.:        | Q3083                        |
| Lab Sample ID:     | PB169693BS             | Matrix:         | Water                        |
| Analytical Method: | SW8270ESIM             | % Solid:        | 0                            |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOC-SIM                     |
| Extraction Type :  | Decanted :      N      | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N                      PH :  |
| Prep Method :      |                        |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037792.D        | 1         | 09/15/25 12:00 | 09/19/25 00:16 | PB169693      |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091825\  
 Data File : BN037792.D  
 Acq On : 19 Sep 2025 00:16  
 Operator : RC/JU  
 Sample : PB169693BS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

**Instrument :**

BNA\_N

**ClientSampleId :**

PB169693BS

**Manual Integrations****APPROVED**

Reviewed By :Rahul Chavli 09/19/2025

Supervised By :mohammad ahmed 09/23/2025

Quant Time: Sep 19 04:12:55 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:20:01 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.833  | 152  | 7441     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.637 | 136  | 19392    | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 14.484 | 164  | 8149     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.235 | 188  | 12386    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.411 | 240  | 10095    | 0.400 | ng    | 0.00     |
| 35) Perylene-d12              | 23.738 | 264  | 10200    | 0.400 | ng    | #-0.01   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.399  | 112  | 5555     | 0.325 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.980  | 99   | 6563     | 0.296 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.982  | 82   | 5088     | 0.359 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.232 | 152  | 7932     | 0.309 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 15.982 | 330  | 674      | 0.317 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.105 | 172  | 12492    | 0.367 | ng    | -0.01    |
| 27) Fluoranthene-d10          | 19.262 | 212  | 9050     | 0.291 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.861 | 244  | 6591     | 0.322 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.304  | 88   | 2366     | 0.305 | ng    | # 85     |
| 3) n-Nitrosodimethylamine     | 3.600  | 42   | 3300     | 0.326 | ng    | # 90     |
| 6) bis(2-Chloroethyl)ether    | 7.248  | 93   | 6941     | 0.351 | ng    | 100      |
| 9) Naphthalene                | 10.680 | 128  | 17810    | 0.336 | ng    | 99       |
| 10) Hexachlorobutadiene       | 10.989 | 225  | 3379     | 0.352 | ng    | # 99     |
| 12) 2-Methylnaphthalene       | 12.303 | 142  | 9820     | 0.299 | ng    | 99       |
| 16) Acenaphthylene            | 14.206 | 152  | 13377    | 0.358 | ng    | 99       |
| 17) Acenaphthene              | 14.548 | 154  | 8509     | 0.337 | ng    | 99       |
| 18) Fluorene                  | 15.535 | 166  | 9452     | 0.309 | ng    | 99       |
| 20) 4,6-Dinitro-2-methylph... | 15.609 | 198  | 305      | 0.266 | ng    | # 88     |
| 21) 4-Bromophenyl-phenylether | 16.428 | 248  | 2895     | 0.358 | ng    | # 92     |
| 22) Hexachlorobenzene         | 16.540 | 284  | 3601     | 0.388 | ng    | 98       |
| 23) Atrazine                  | 16.689 | 200  | 1710     | 0.333 | ng    | # 94     |
| 24) Pentachlorophenol         | 16.888 | 266  | 1388     | 0.515 | ng    | 98       |
| 25) Phenanthrene              | 17.273 | 178  | 13505    | 0.346 | ng    | 100      |
| 26) Anthracene                | 17.359 | 178  | 11748    | 0.340 | ng    | 99       |
| 28) Fluoranthene              | 19.294 | 202  | 12912    | 0.302 | ng    | 100      |
| 30) Pyrene                    | 19.652 | 202  | 12854    | 0.325 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.393 | 228  | 12540    | 0.356 | ng    | 100      |
| 33) Chrysene                  | 21.447 | 228  | 13567    | 0.359 | ng    | 100      |
| 34) Bis(2-ethylhexyl)phtha... | 21.331 | 149  | 3708     | 0.355 | ng    | 98       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.118 | 276  | 17423    | 0.407 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 23.034 | 252  | 14955    | 0.372 | ng    | # 96     |
| 38) Benzo(k)fluoranthene      | 23.081 | 252  | 14241m   | 0.348 | ng    |          |
| 39) Benzo(a)pyrene            | 23.633 | 252  | 12714    | 0.395 | ng    | # 94     |
| 40) Dibenzo(a,h)anthracene    | 26.142 | 278  | 13475    | 0.394 | ng    | 99       |
| 41) Benzo(g,h,i)perylene      | 26.843 | 276  | 15272    | 0.398 | ng    | 99       |
| -----                         |        |      |          |       |       |          |

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

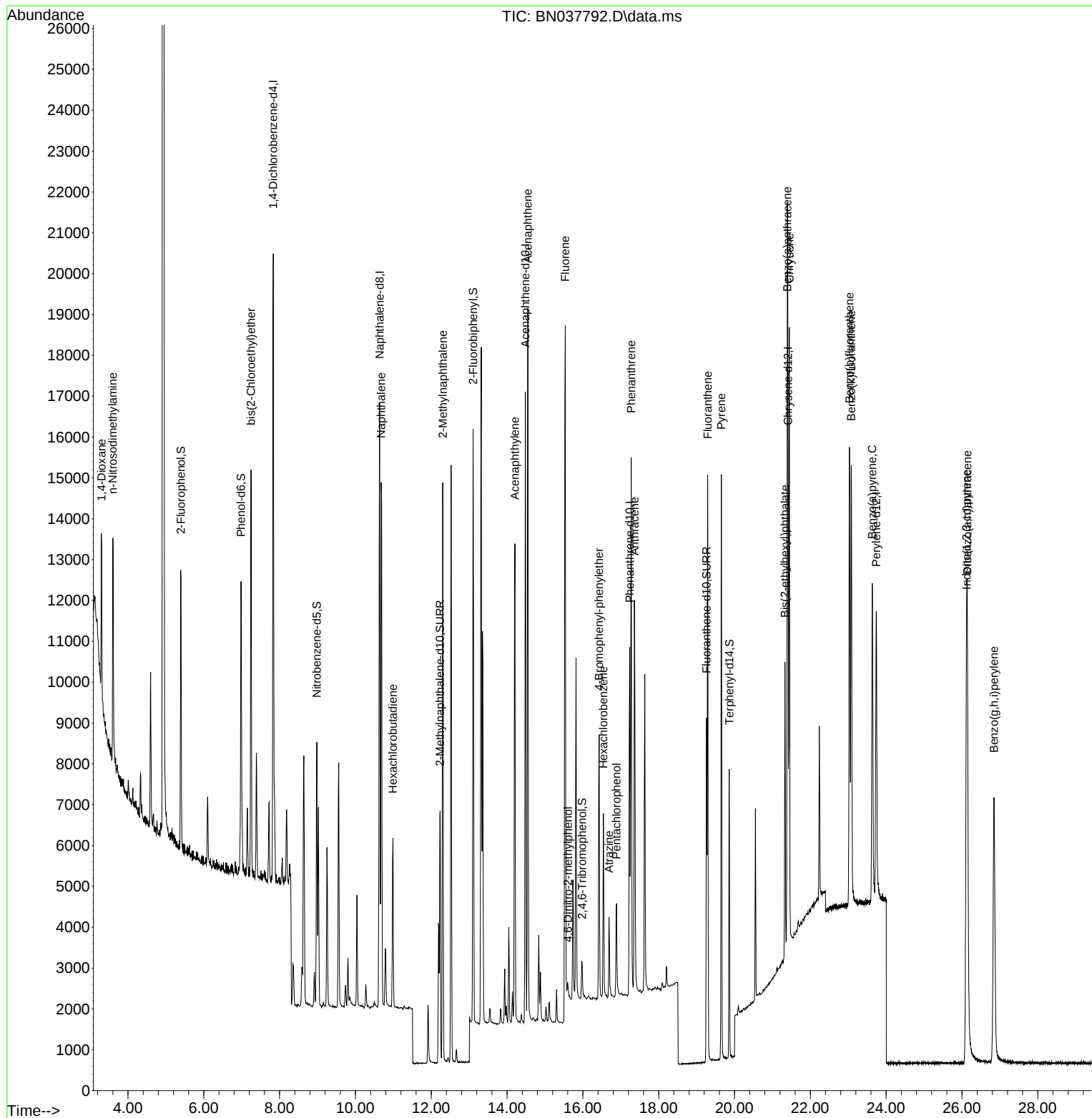
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 Data File : BN037792.D  
 Acq On : 19 Sep 2025 00:16  
 Operator : RC/JU  
 Sample : PB169693BS  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

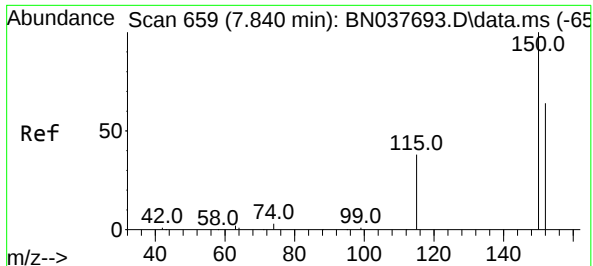
Instrument :  
 BNA\_N  
 ClientSampleId :  
 PB169693BS

### Manual Integrations APPROVED

Reviewed By :Rahul Chavli 09/19/2025  
 Supervised By :mohammad ahmed 09/23/2025

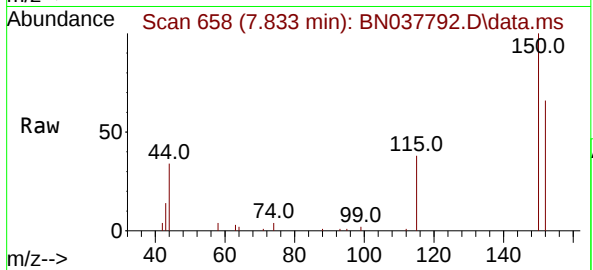
Quant Time: Sep 19 04:12:55 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:20:01 2025  
 Response via : Initial Calibration





#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.833 min Scan# 61  
Delta R.T. -0.007 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

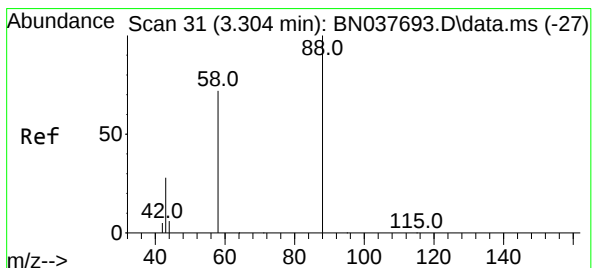
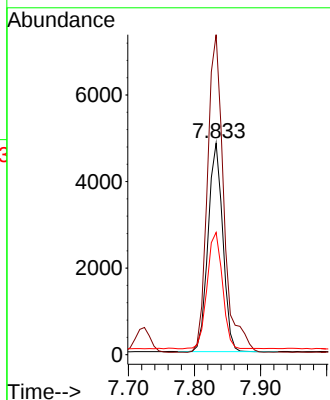
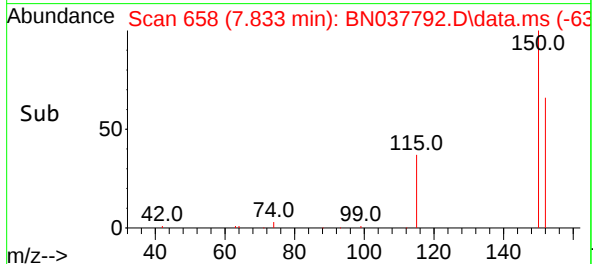
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BS



Tgt Ion: 152 Resp: 744  
Ion Ratio Lower Upper  
152 100  
150 151.3 124.5 186.7  
115 57.8 49.2 73.8

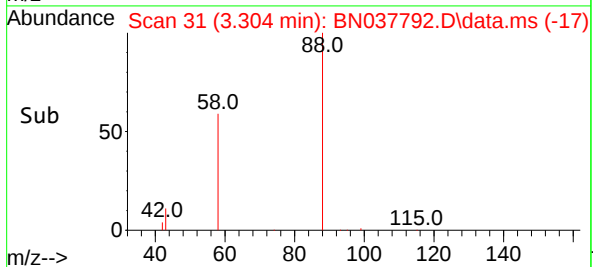
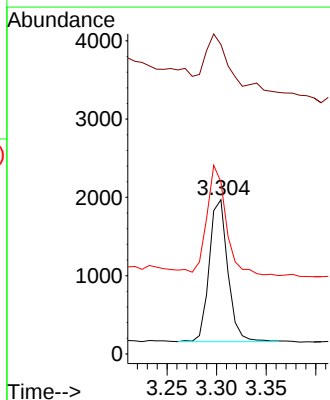
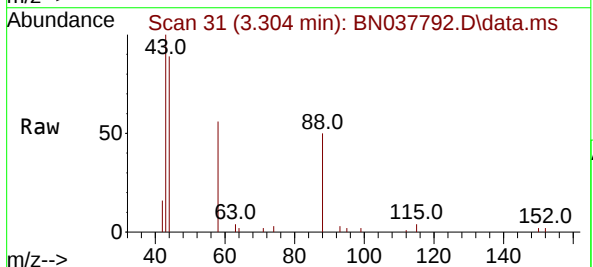
Manual Integrations  
**APPROVED**

Reviewed By :Rahul Chavli 09/19/2025  
Supervised By :mohammad ahmed 09/23/2025

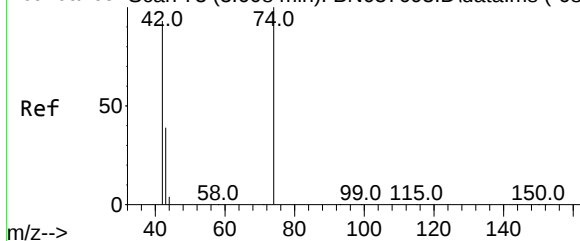


#2  
1,4-Dioxane  
Concen: 0.305 ng  
RT: 3.304 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

Tgt Ion: 88 Resp: 2366  
Ion Ratio Lower Upper  
88 100  
43 56.6 26.8 40.2#  
58 80.3 61.9 92.9



Abundance Scan 73 (3.608 min): BN037693.D\data.ms (-68)



#3

n-Nitrosodimethylamine

Concen: 0.326 ng

RT: 3.600 min Scan# 71

Delta R.T. -0.007 min

Lab File: BN037792.D

Acq: 19 Sep 2025 00:16

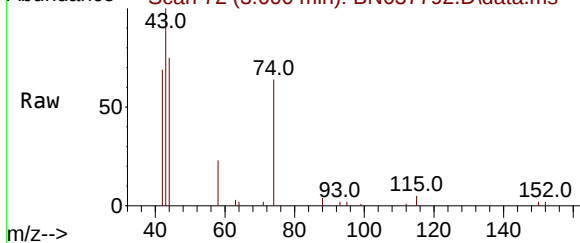
Instrument :

BNA\_N

ClientSampleId :

PB169693BS

Abundance Scan 72 (3.600 min): BN037792.D\data.ms



Tgt Ion: 42 Resp: 3300

Ion Ratio Lower Upper

42 100

74 118.9 86.0 129.0

44 8.3 8.4 12.6

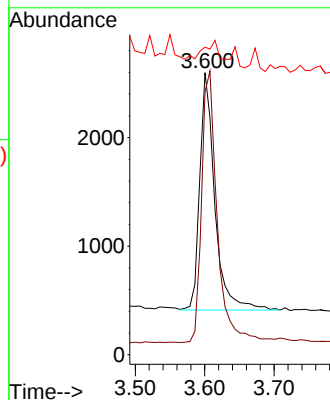
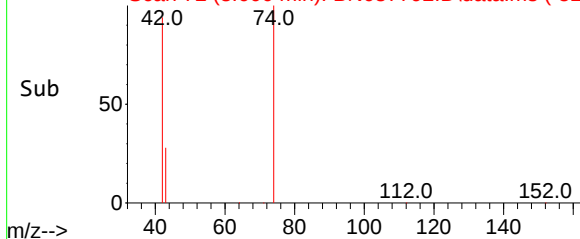
Manual Integrations

APPROVED

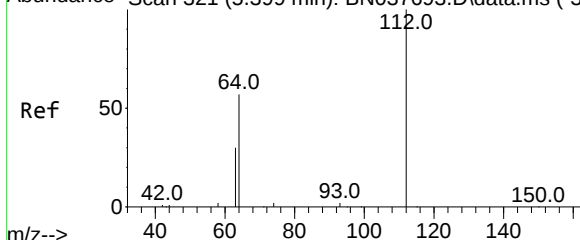
Reviewed By :Rahul Chavli 09/19/2025

Supervised By :mohammad ahmed 09/23/2025

Abundance Scan 72 (3.600 min): BN037792.D\data.ms (-52)



Abundance Scan 321 (5.399 min): BN037693.D\data.ms (-30)



#4

2-Fluorophenol

Concen: 0.325 ng

RT: 5.399 min Scan# 321

Delta R.T. -0.000 min

Lab File: BN037792.D

Acq: 19 Sep 2025 00:16

Tgt Ion:112 Resp: 5555

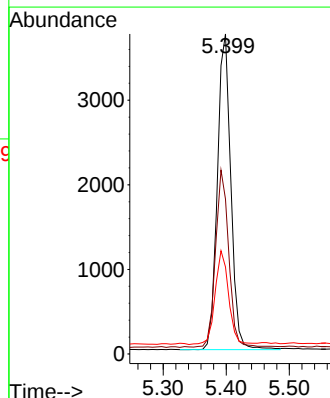
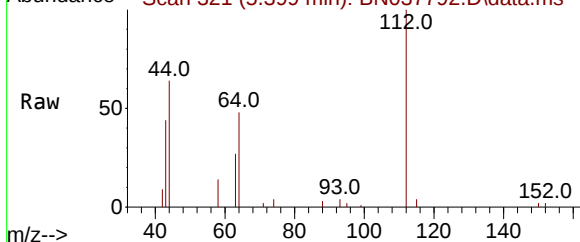
Ion Ratio Lower Upper

112 100

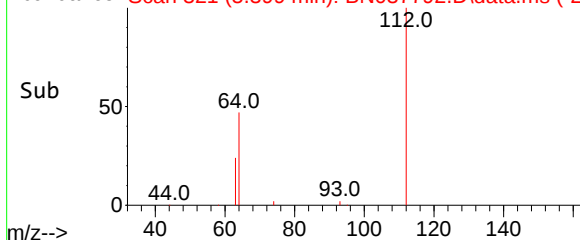
64 55.5 44.9 67.3

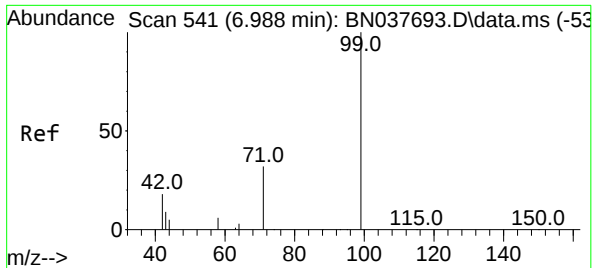
63 29.6 24.7 37.1

Abundance Scan 321 (5.399 min): BN037792.D\data.ms



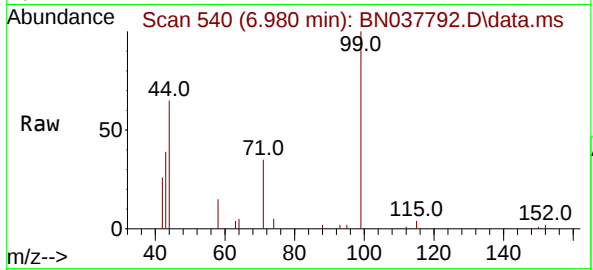
Abundance Scan 321 (5.399 min): BN037792.D\data.ms (-29)





#5  
Phenol-d6  
Concen: 0.296 ng  
RT: 6.980 min Scan# 541  
Delta R.T. -0.007 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

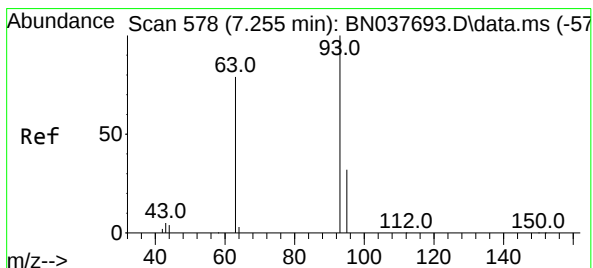
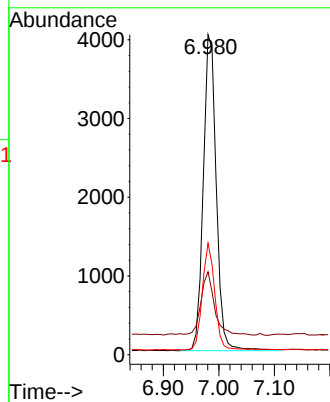
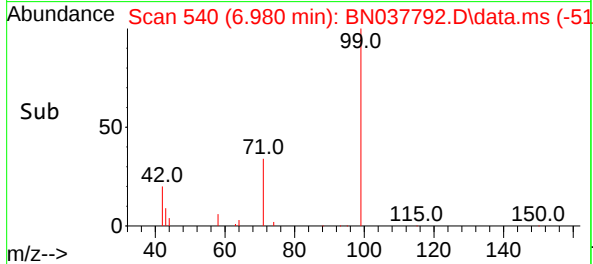
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BS



Tgt Ion: 99 Resp: 656  
Ion Ratio Lower Upper  
99 100  
42 20.6 16.6 24.8  
71 32.2 26.7 40.1

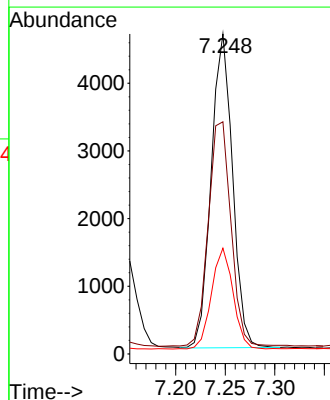
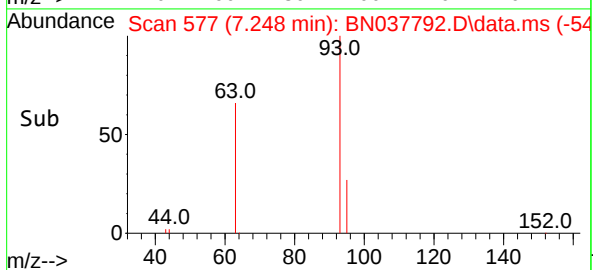
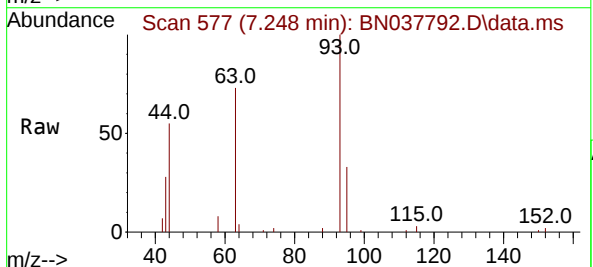
Manual Integrations  
**APPROVED**

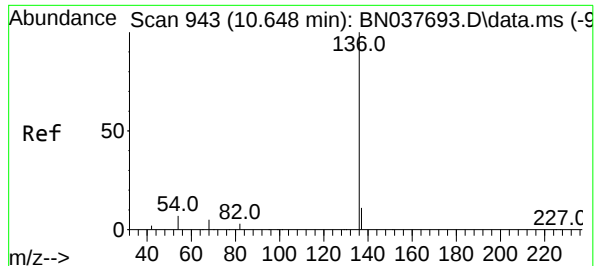
Reviewed By :Rahul Chavli 09/19/2025  
Supervised By :mohammad ahmed 09/23/2025



#6  
bis(2-Chloroethyl)ether  
Concen: 0.351 ng  
RT: 7.248 min Scan# 577  
Delta R.T. -0.007 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

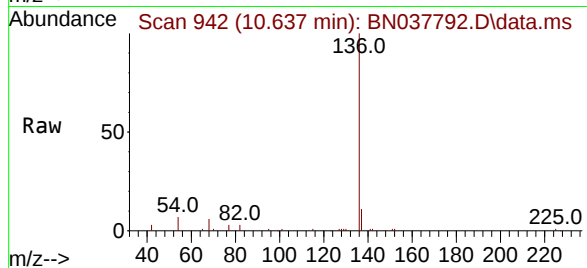
Tgt Ion: 93 Resp: 6941  
Ion Ratio Lower Upper  
93 100  
63 76.1 60.6 90.8  
95 32.6 26.0 39.0





#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.637 min Scan# 943  
Delta R.T. -0.011 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

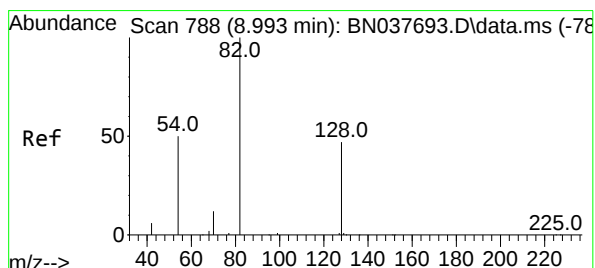
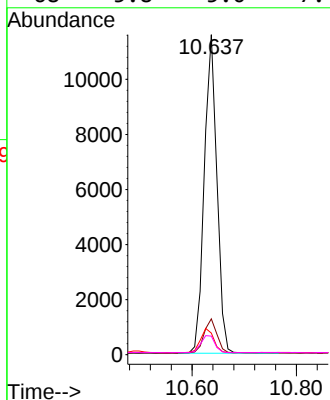
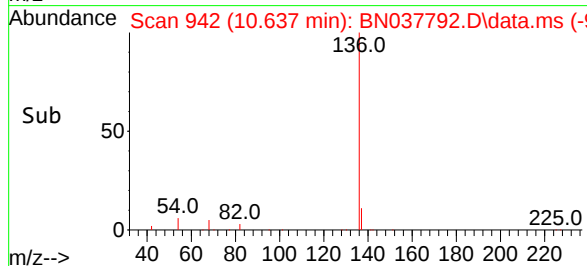
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BS



Tgt Ion:136 Resp: 19392  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.1 13.7  
54 6.8 6.3 9.5  
68 5.8 5.0 7.4

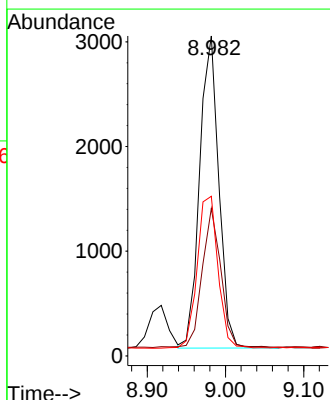
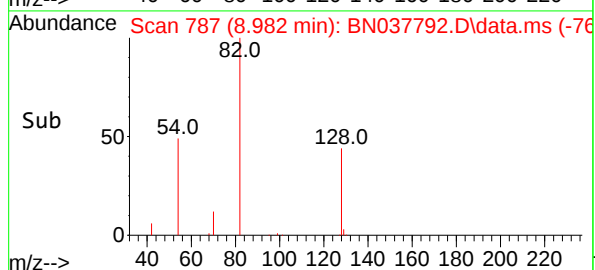
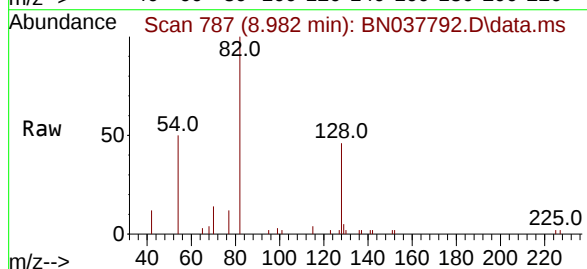
Manual Integrations  
APPROVED

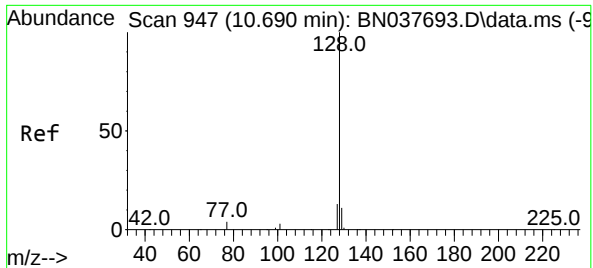
Reviewed By :Rahul Chavli 09/19/2025  
Supervised By :mohammad ahmed 09/23/2025



#8  
Nitrobenzene-d5  
Concen: 0.359 ng  
RT: 8.982 min Scan# 787  
Delta R.T. -0.011 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

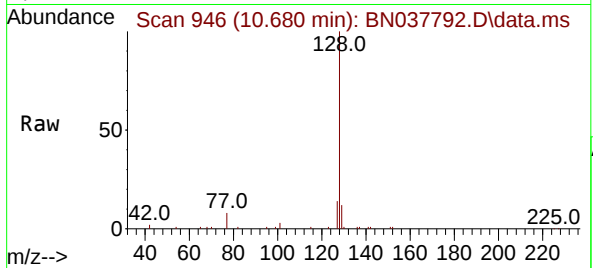
Tgt Ion: 82 Resp: 5088  
Ion Ratio Lower Upper  
82 100  
128 46.1 38.3 57.5  
54 49.9 41.4 62.2





#9  
Naphthalene  
Concen: 0.336 ng  
RT: 10.680 min Scan# 946  
Delta R.T. -0.011 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

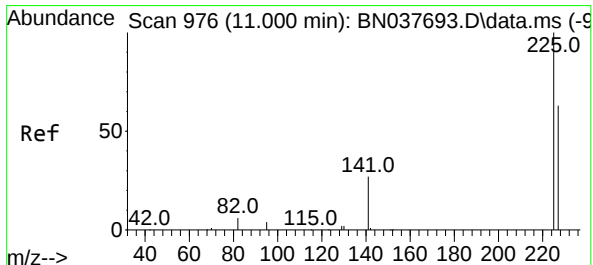
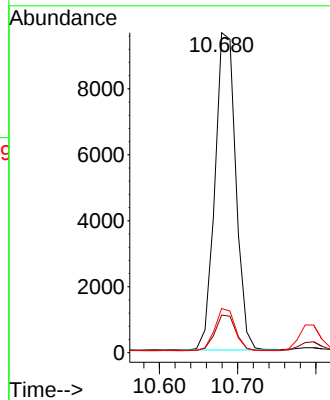
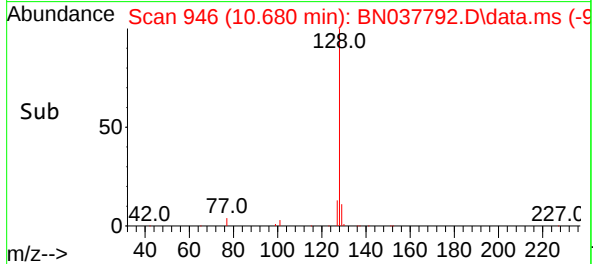
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BS



Tgt Ion:128 Resp: 17810  
Ion Ratio Lower Upper  
128 100  
129 11.7 9.1 13.7  
127 13.8 10.9 16.3

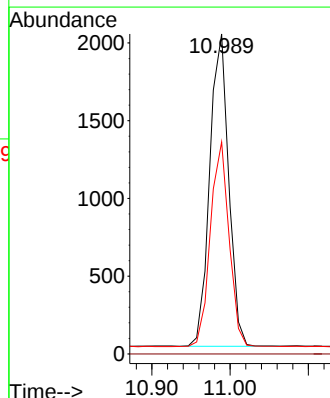
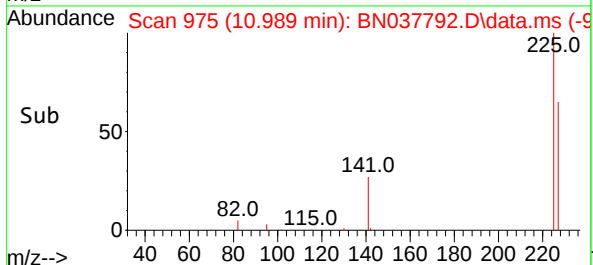
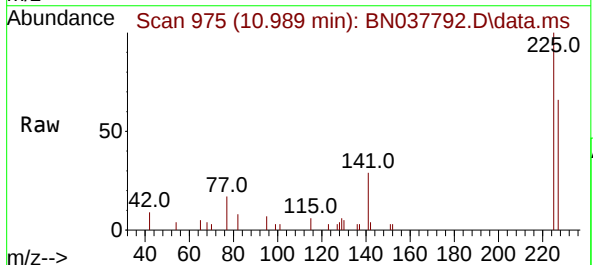
Manual Integrations  
**APPROVED**

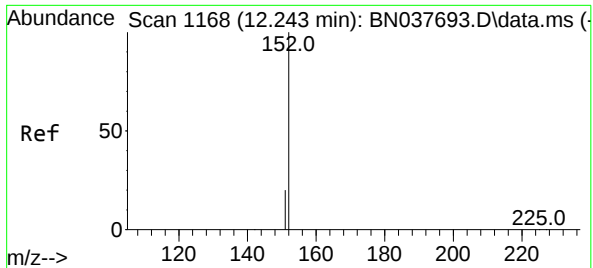
Reviewed By :Rahul Chavli 09/19/2025  
Supervised By :mohammad ahmed 09/23/2025



#10  
Hexachlorobutadiene  
Concen: 0.352 ng  
RT: 10.989 min Scan# 975  
Delta R.T. -0.011 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

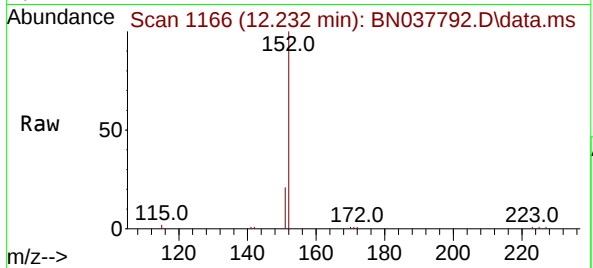
Tgt Ion:225 Resp: 3379  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 64.5 50.9 76.3





#11  
2-Methylnaphthalene-d10  
Concen: 0.309 ng  
RT: 12.232 min Scan# 1166  
Delta R.T. -0.010 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

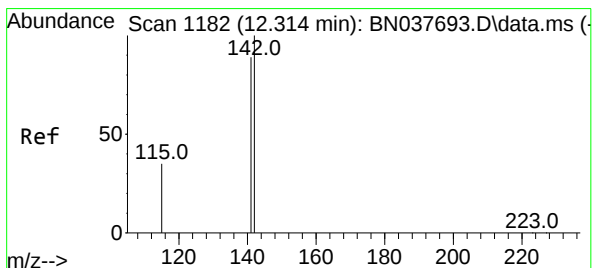
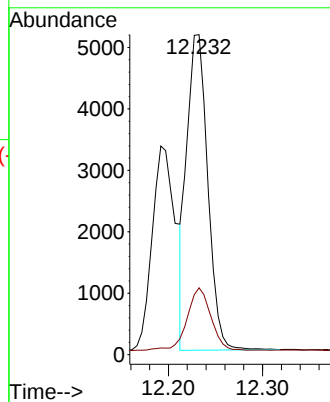
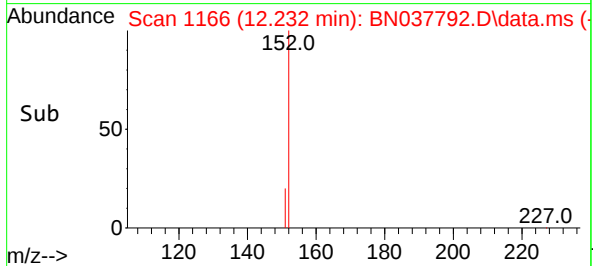
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BS



Tgt Ion:152 Resp: 7932  
Ion Ratio Lower Upper  
152 100  
151 22.6 17.0 25.6

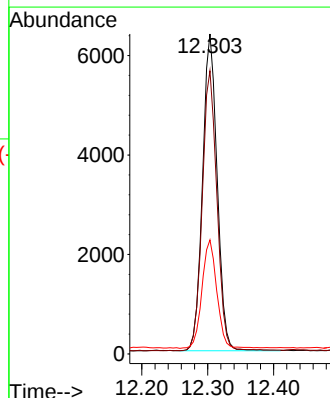
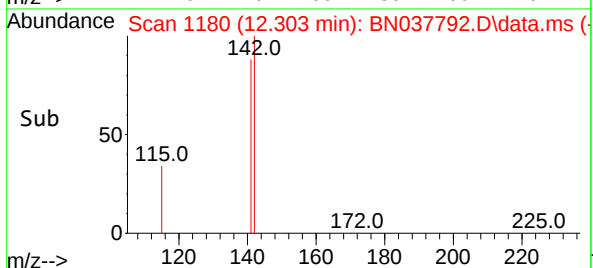
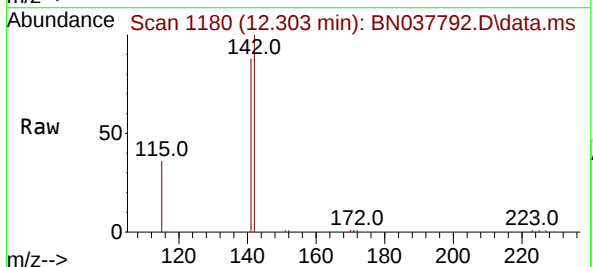
Manual Integrations  
APPROVED

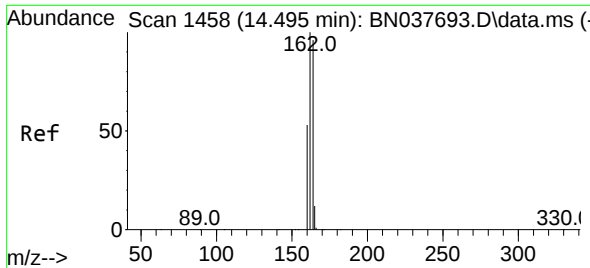
Reviewed By :Rahul Chavli 09/19/2025  
Supervised By :mohammad ahmed 09/23/2025



#12  
2-Methylnaphthalene  
Concen: 0.299 ng  
RT: 12.303 min Scan# 1180  
Delta R.T. -0.010 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

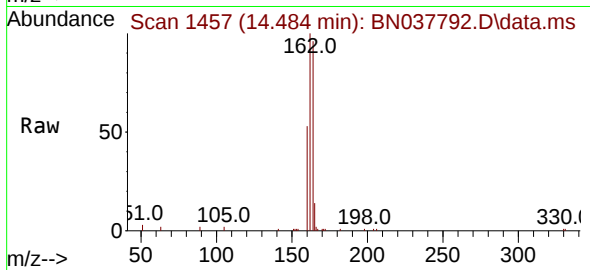
Tgt Ion:142 Resp: 9820  
Ion Ratio Lower Upper  
142 100  
141 88.5 71.6 107.4  
115 35.7 28.6 43.0





#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.484 min Scan# 1457  
Delta R.T. -0.011 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

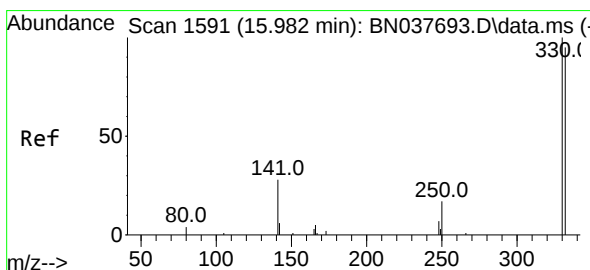
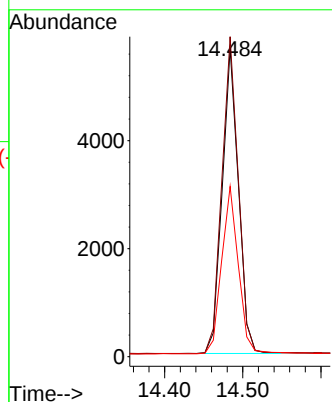
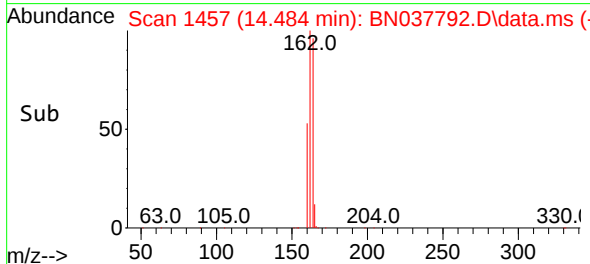
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BS



Tgt Ion:164 Resp: 8149  
Ion Ratio Lower Upper  
164 100  
162 103.7 83.1 124.7  
160 55.2 44.3 66.5

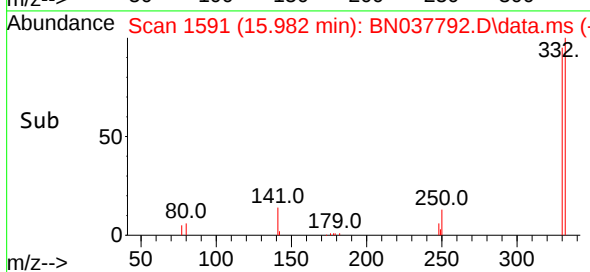
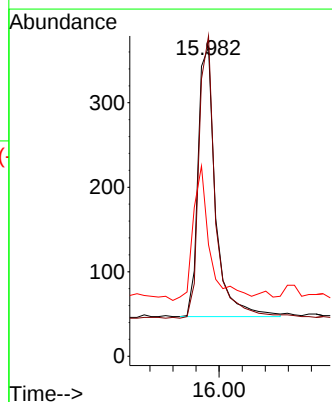
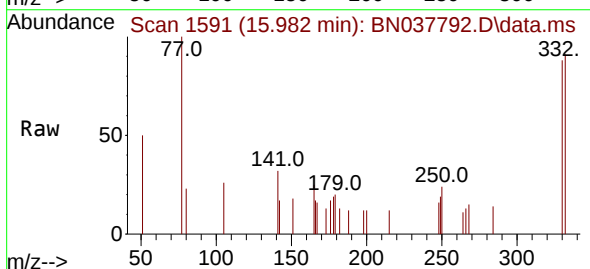
Manual Integrations  
APPROVED

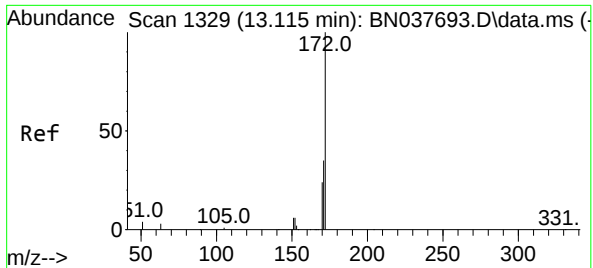
Reviewed By :Rahul Chavli 09/19/2025  
Supervised By :mohammad ahmed 09/23/2025



#14  
2,4,6-Tribromophenol  
Concen: 0.317 ng  
RT: 15.982 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

Tgt Ion:330 Resp: 674  
Ion Ratio Lower Upper  
330 100  
332 99.4 75.3 112.9  
141 47.6 35.0 52.4





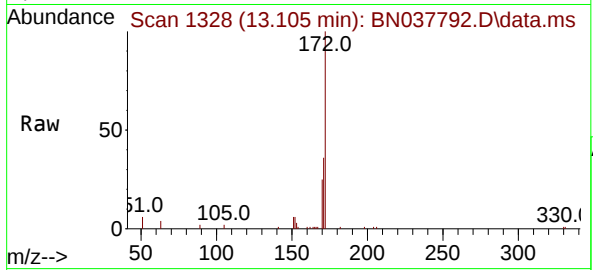
#15  
2-Fluorobiphenyl  
Concen: 0.367 ng  
RT: 13.105 min Scan# 1328  
Delta R.T. -0.011 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

Instrument :

BNA\_N

ClientSampleId :

PB169693BS

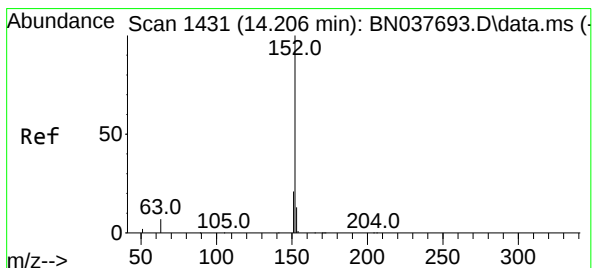
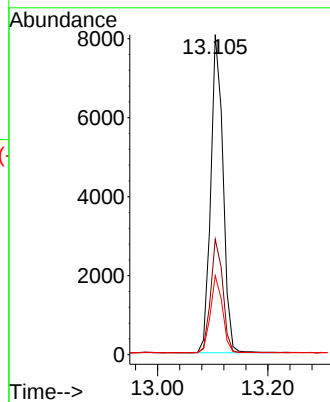
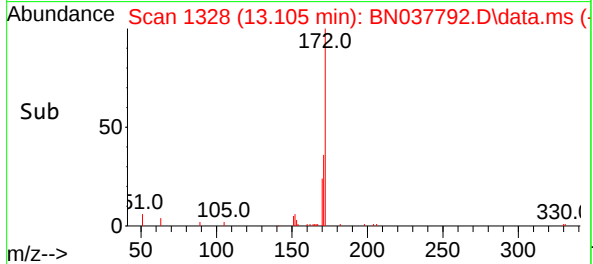


Tgt Ion:172 Resp: 12492  
Ion Ratio Lower Upper  
172 100  
171 36.1 28.6 43.0  
170 24.7 19.8 29.8

Manual Integrations

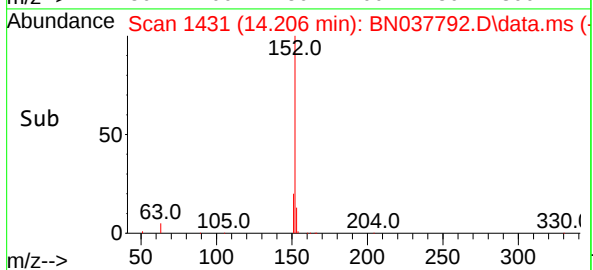
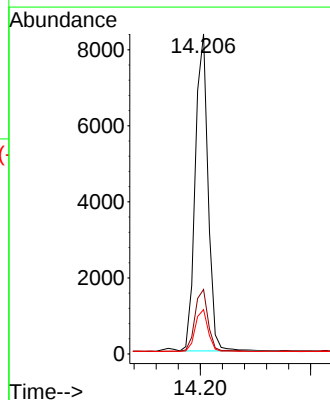
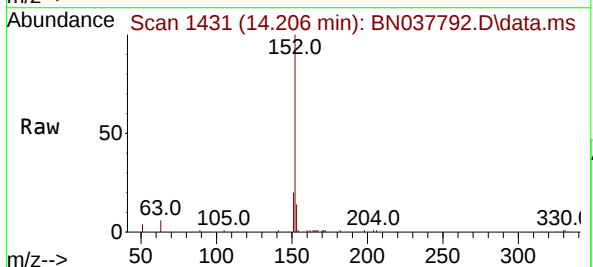
APPROVED

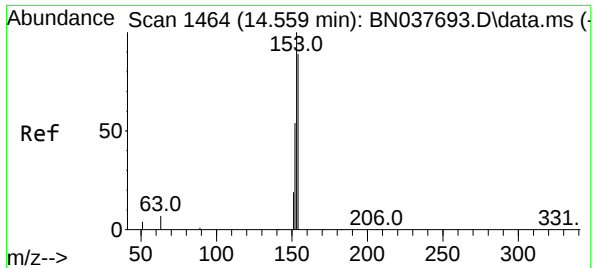
Reviewed By :Rahul Chavli 09/19/2025  
Supervised By :mohammad ahmed 09/23/2025



#16  
Acenaphthylene  
Concen: 0.358 ng  
RT: 14.206 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

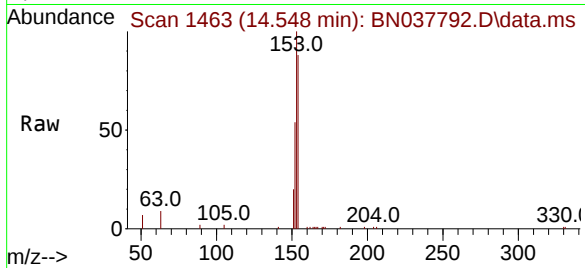
Tgt Ion:152 Resp: 13377  
Ion Ratio Lower Upper  
152 100  
151 20.1 16.2 24.2  
153 13.4 10.4 15.6





#17  
Acenaphthene  
Concen: 0.337 ng  
RT: 14.548 min Scan# 1463  
Delta R.T. -0.011 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

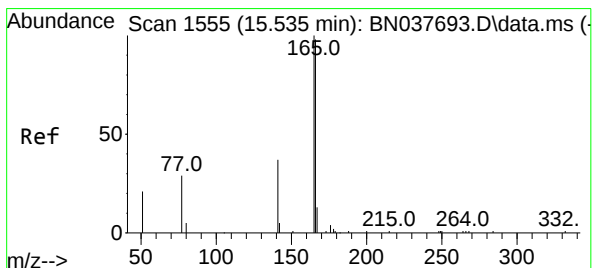
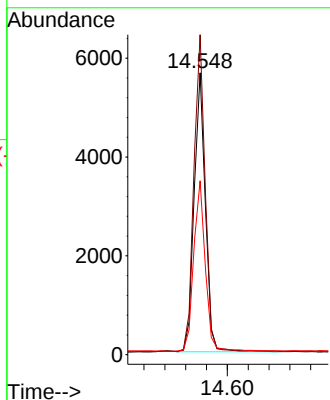
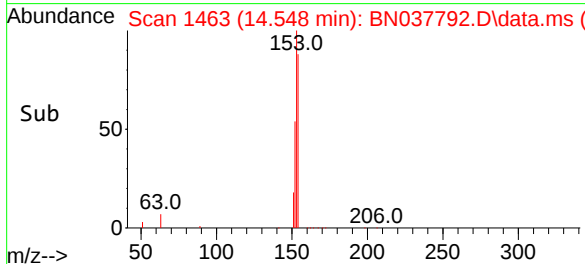
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BS



Tgt Ion:154 Resp: 8509  
Ion Ratio Lower Upper  
154 100  
153 113.0 89.8 134.8  
152 62.9 50.2 75.2

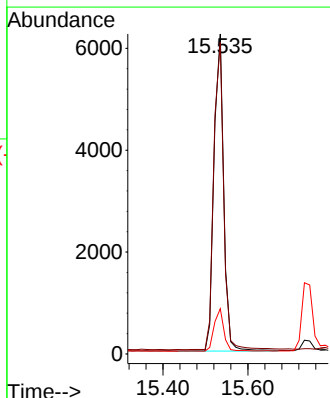
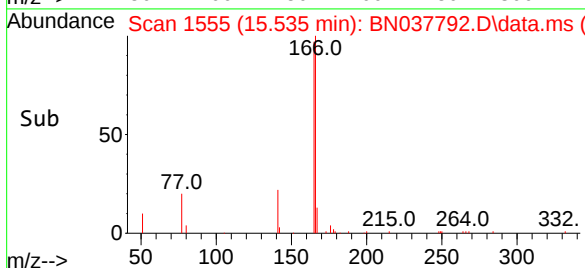
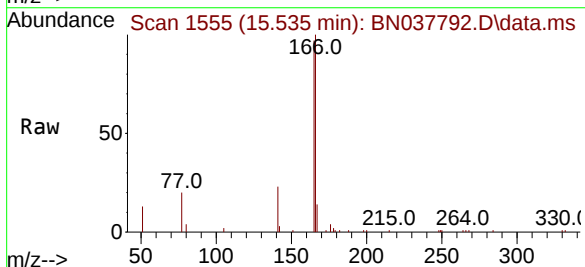
Manual Integrations  
**APPROVED**

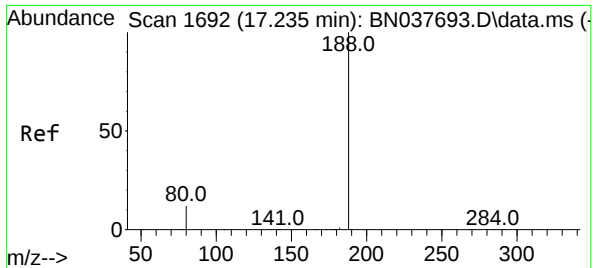
Reviewed By :Rahul Chavli 09/19/2025  
Supervised By :mohammad ahmed 09/23/2025



#18  
Fluorene  
Concen: 0.309 ng  
RT: 15.535 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

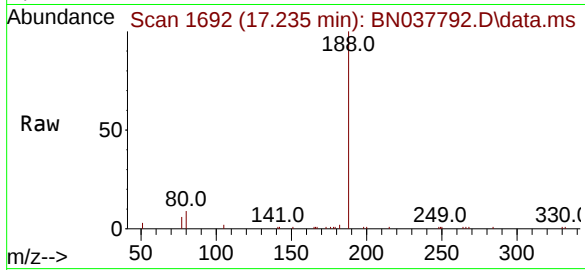
Tgt Ion:166 Resp: 9452  
Ion Ratio Lower Upper  
166 100  
165 99.9 79.6 119.4  
167 13.9 10.6 16.0





#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.235 min Scan# 1692  
Delta R.T. -0.000 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

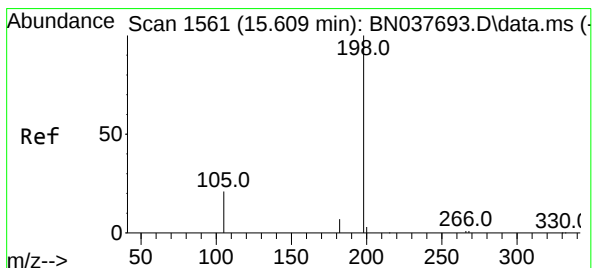
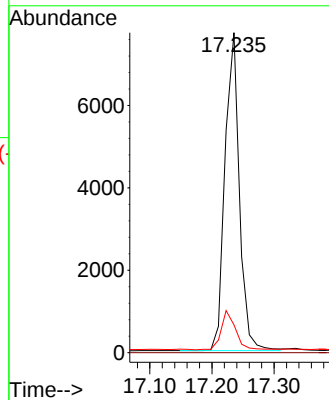
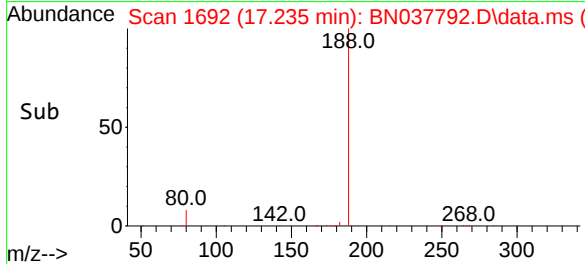
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BS



Tgt Ion:188 Resp: 12380  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 8.7 10.6 15.8

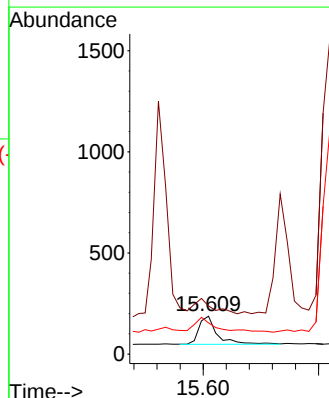
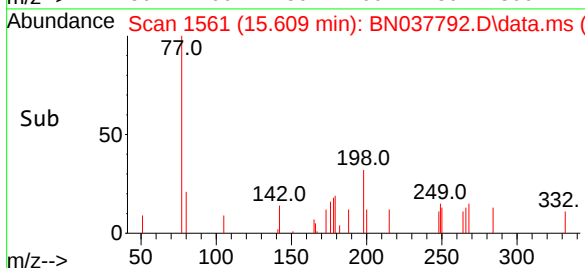
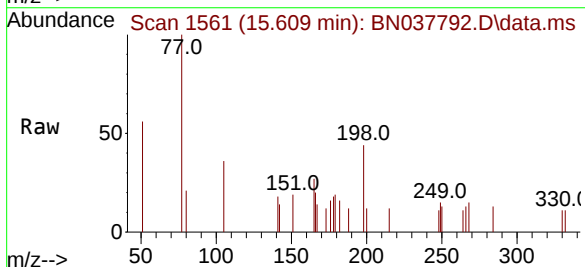
Manual Integrations  
**APPROVED**

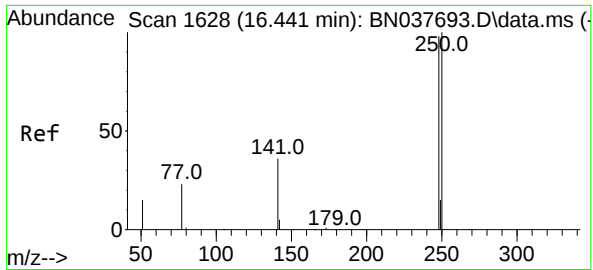
Reviewed By :Rahul Chavli 09/19/2025  
Supervised By :mohammad ahmed 09/23/2025



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.266 ng  
RT: 15.609 min Scan# 1561  
Delta R.T. 0.000 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

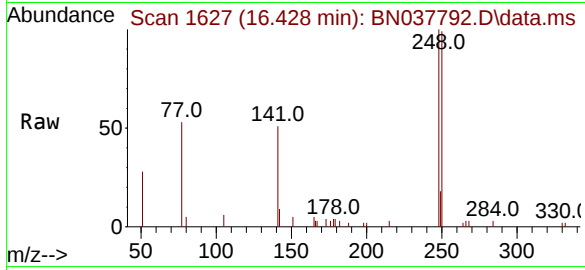
Tgt Ion:198 Resp: 305  
Ion Ratio Lower Upper  
198 100  
51 127.3 95.1 142.7  
105 82.4 53.8 80.6





#21  
4-Bromophenyl-phenylether  
Concen: 0.358 ng  
RT: 16.428 min Scan# 1627  
Delta R.T. -0.013 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

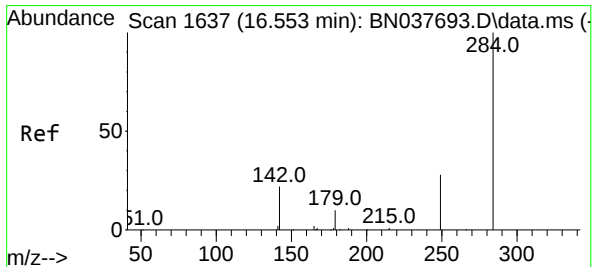
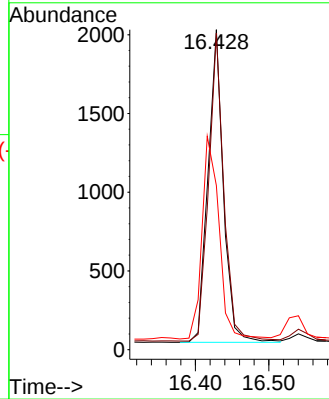
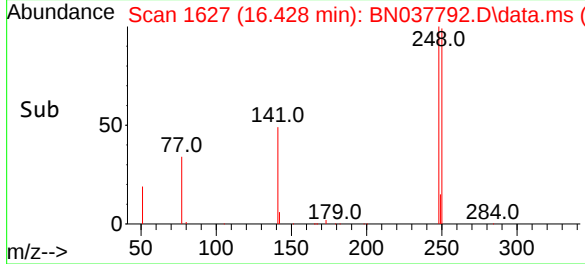
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BS



Tgt Ion:248 Resp: 289  
Ion Ratio Lower Upper  
248 100  
250 99.0 81.5 122.3  
141 51.3 30.8 46.2

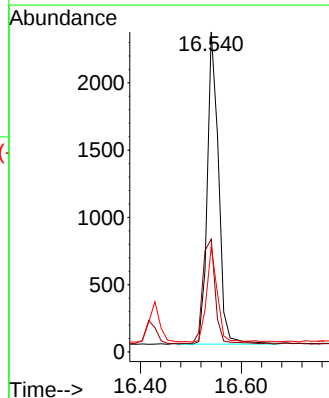
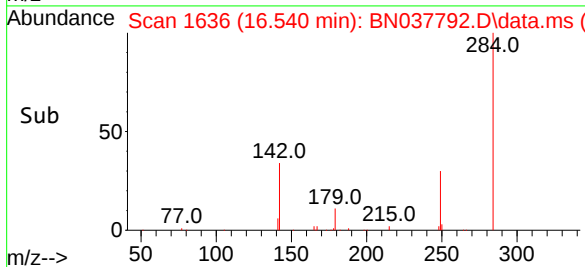
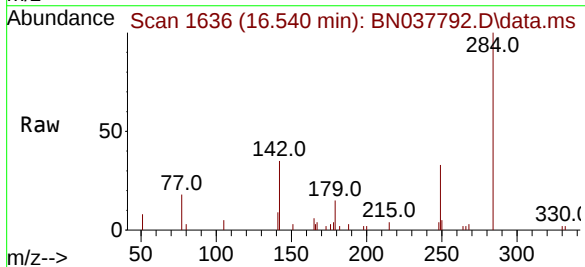
Manual Integrations  
APPROVED

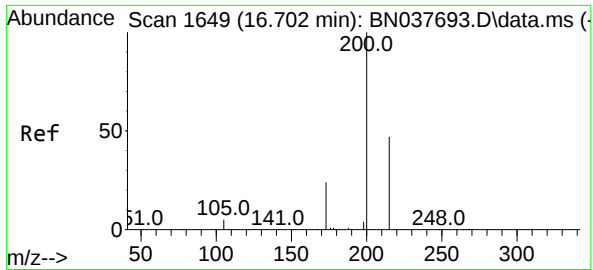
Reviewed By :Rahul Chavli 09/19/2025  
Supervised By :mohammad ahmed 09/23/2025



#22  
Hexachlorobenzene  
Concen: 0.388 ng  
RT: 16.540 min Scan# 1636  
Delta R.T. -0.013 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

Tgt Ion:284 Resp: 3601  
Ion Ratio Lower Upper  
284 100  
142 37.9 30.9 46.3  
249 28.9 24.8 37.2





#23

Atrazine

Concen: 0.333 ng

RT: 16.689 min Scan# 1648

Delta R.T. -0.013 min

Lab File: BN037792.D

Acq: 19 Sep 2025 00:16

Instrument :

BNA\_N

ClientSampleId :

PB169693BS

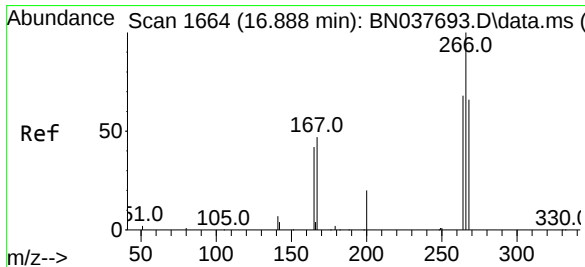
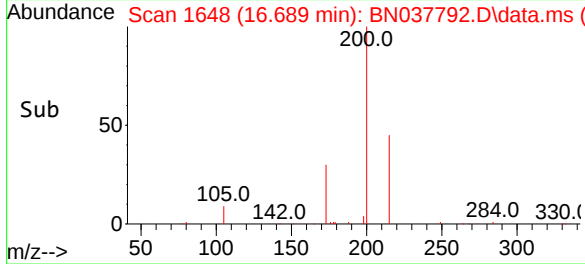
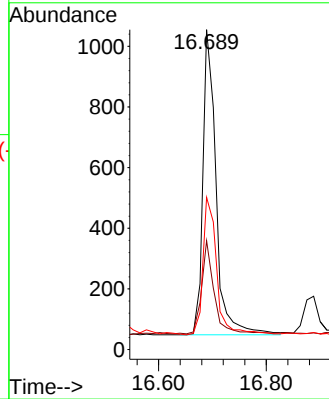
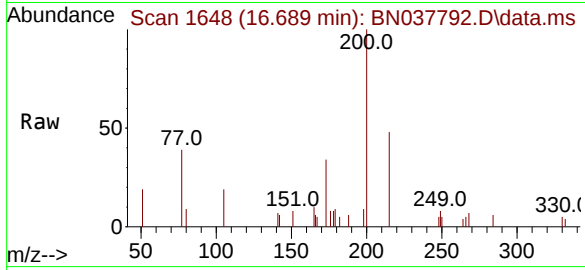
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 200   | Resp: | 1710 |
| Ion Ratio | Lower | Upper |      |
| 200       | 100   |       |      |
| 173       | 34.0  | 21.4  | 32.2 |
| 215       | 47.6  | 39.2  | 58.8 |

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/19/2025

Supervised By :mohammad ahmed 09/23/2025



#24

Pentachlorophenol

Concen: 0.515 ng

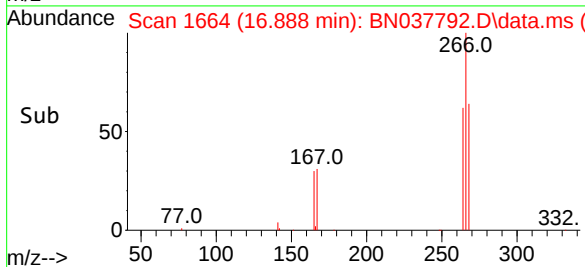
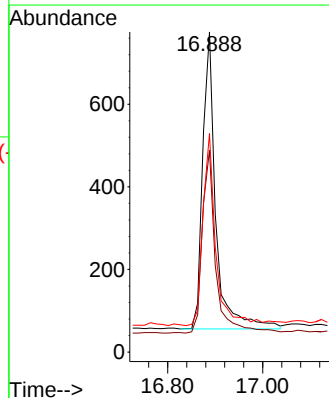
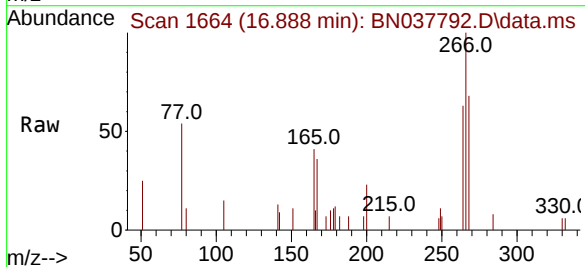
RT: 16.888 min Scan# 1664

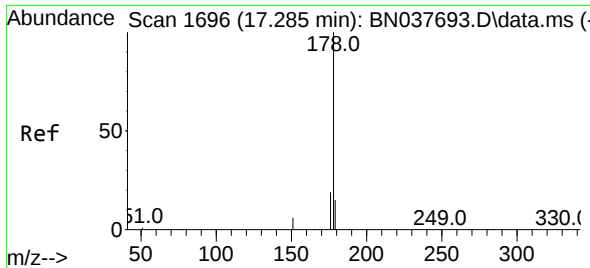
Delta R.T. -0.000 min

Lab File: BN037792.D

Acq: 19 Sep 2025 00:16

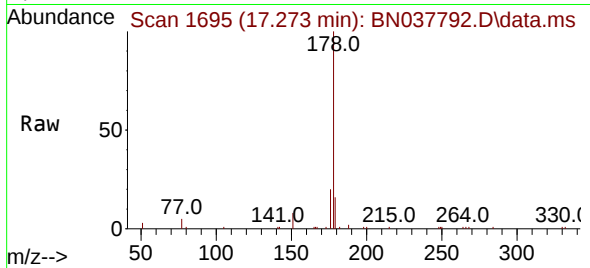
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 266   | Resp: | 1388 |
| Ion Ratio | Lower | Upper |      |
| 266       | 100   |       |      |
| 264       | 62.3  | 51.6  | 77.4 |
| 268       | 65.3  | 53.2  | 79.8 |





#25  
Phenanthrene  
Concen: 0.346 ng  
RT: 17.273 min Scan# 11  
Delta R.T. -0.013 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

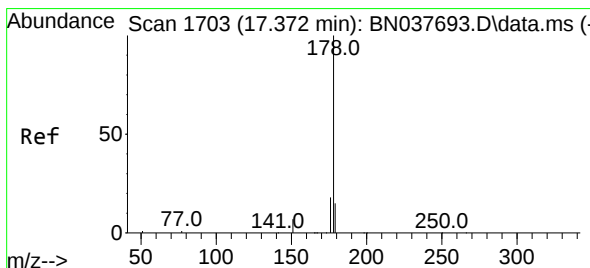
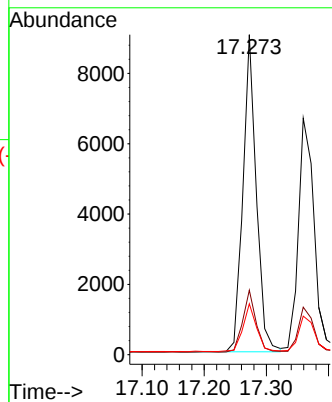
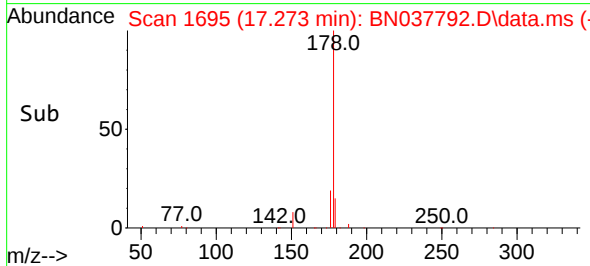
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BS



Tgt Ion:178 Resp: 1350  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.3 22.9  
179 15.3 12.2 18.2

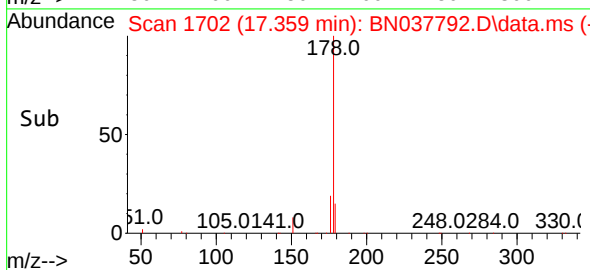
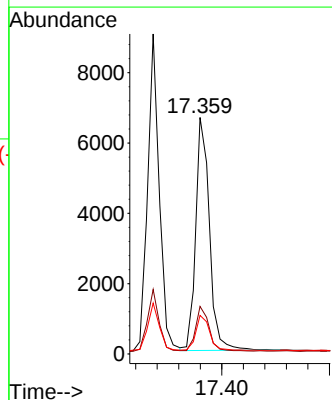
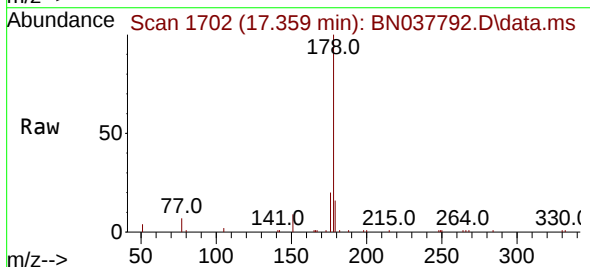
Manual Integrations  
**APPROVED**

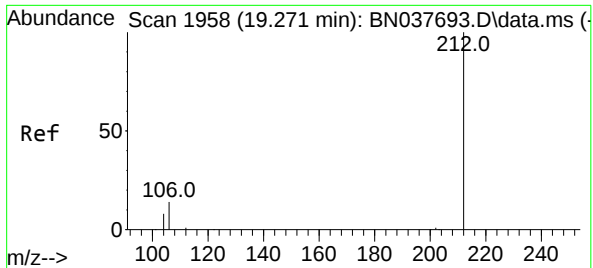
Reviewed By :Rahul Chavli 09/19/2025  
Supervised By :mohammad ahmed 09/23/2025



#26  
Anthracene  
Concen: 0.340 ng  
RT: 17.359 min Scan# 1702  
Delta R.T. -0.013 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

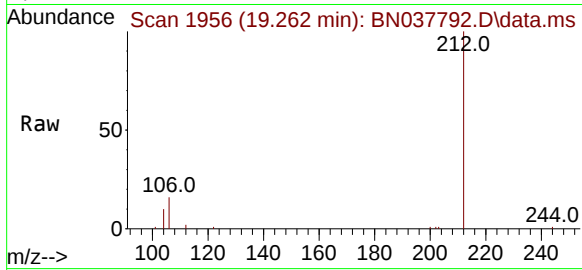
Tgt Ion:178 Resp: 11748  
Ion Ratio Lower Upper  
178 100  
176 19.0 14.6 22.0  
179 15.4 12.2 18.4





#27  
Fluoranthene-d10  
Concen: 0.291 ng  
RT: 19.262 min Scan# 1956  
Delta R.T. -0.009 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

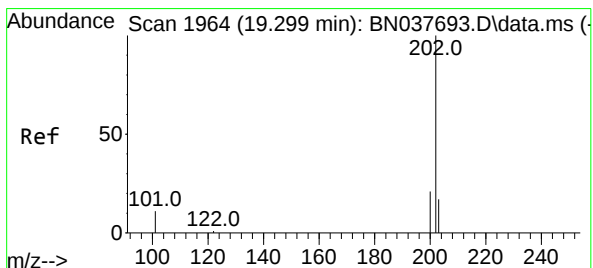
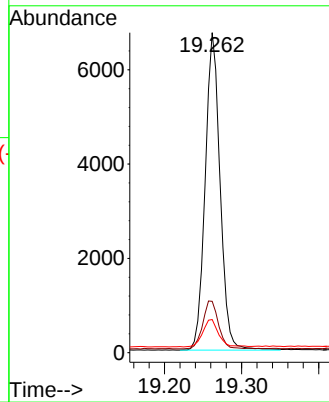
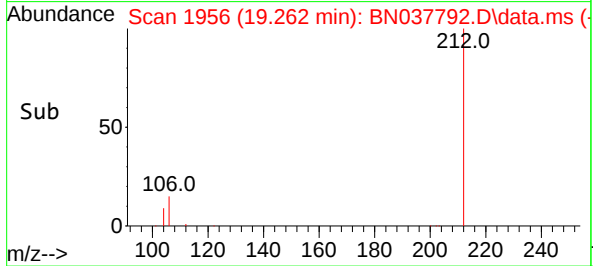
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BS



Tgt Ion:212 Resp: 9050  
Ion Ratio Lower Upper  
212 100  
106 15.8 12.2 18.2  
104 9.2 6.9 10.3

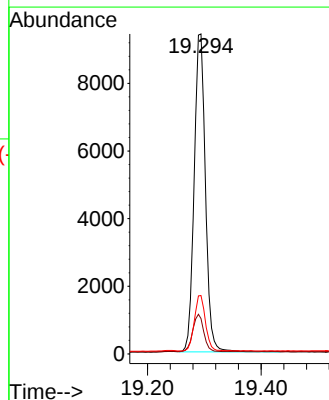
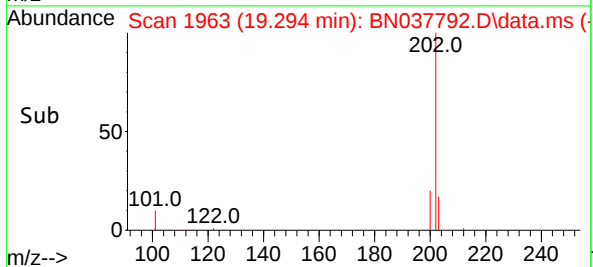
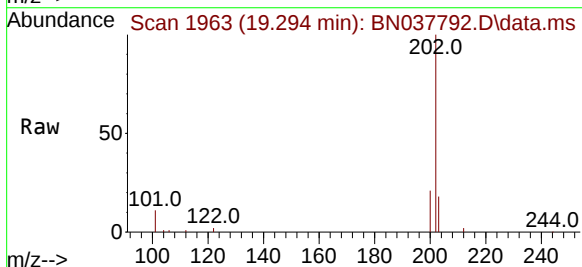
Manual Integrations  
APPROVED

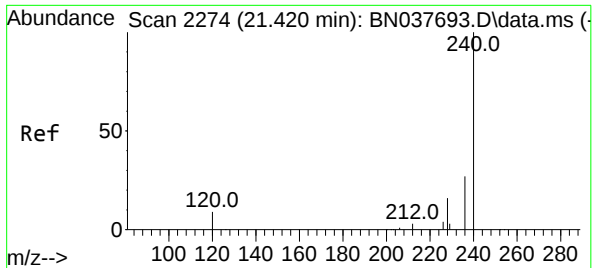
Reviewed By :Rahul Chavli 09/19/2025  
Supervised By :mohammad ahmed 09/23/2025



#28  
Fluoranthene  
Concen: 0.302 ng  
RT: 19.294 min Scan# 1963  
Delta R.T. -0.005 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

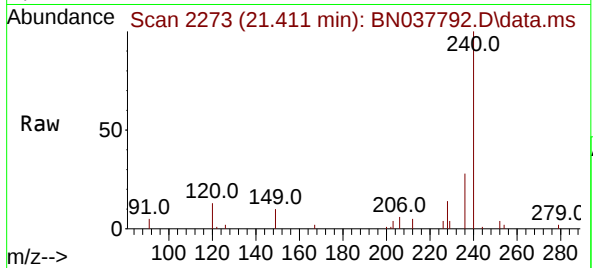
Tgt Ion:202 Resp: 12912  
Ion Ratio Lower Upper  
202 100  
101 11.8 9.3 13.9  
203 17.3 13.7 20.5





#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.411 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

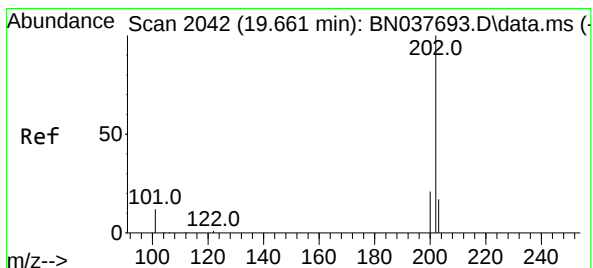
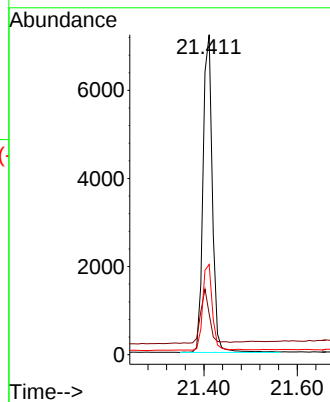
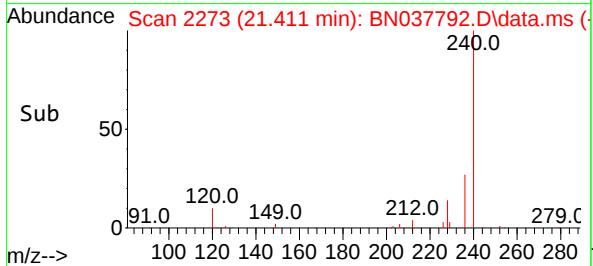
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BS



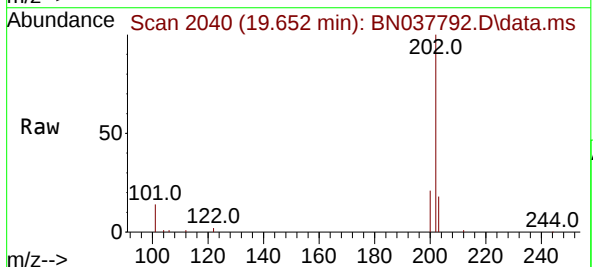
Tgt Ion:240 Resp: 1009  
Ion Ratio Lower Upper  
240 100  
120 12.7 9.2 13.8  
236 28.2 22.6 33.8

Manual Integrations  
APPROVED

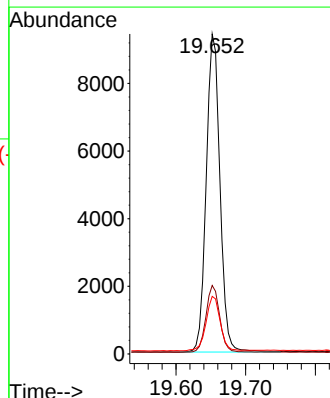
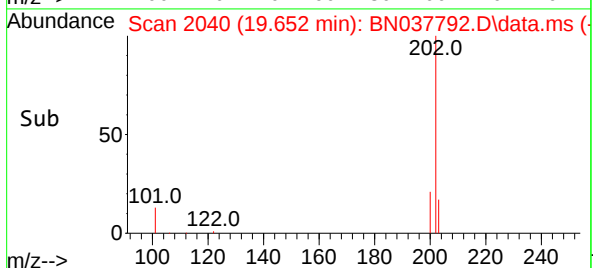
Reviewed By :Rahul Chavli 09/19/2025  
Supervised By :mohammad ahmed 09/23/2025

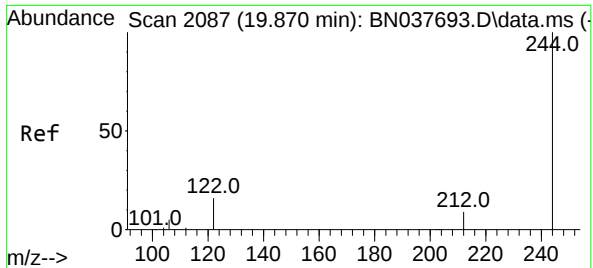


#30  
Pyrene  
Concen: 0.325 ng  
RT: 19.652 min Scan# 2040  
Delta R.T. -0.009 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16



Tgt Ion:202 Resp: 12854  
Ion Ratio Lower Upper  
202 100  
200 21.0 16.8 25.2  
203 17.5 14.3 21.5





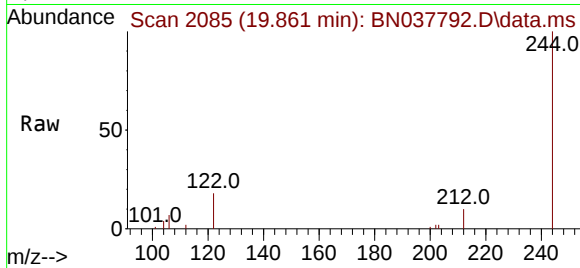
#31  
Terphenyl-d14  
Concen: 0.322 ng  
RT: 19.861 min Scan# 2085  
Delta R.T. -0.009 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

Instrument :

BNA\_N

ClientSampleId :

PB169693BS

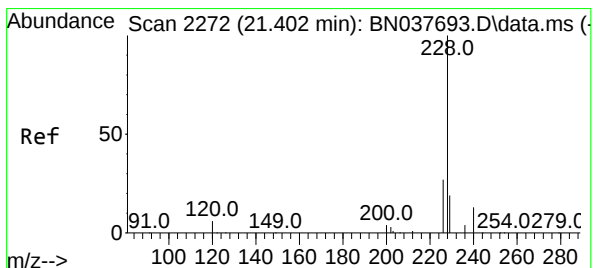
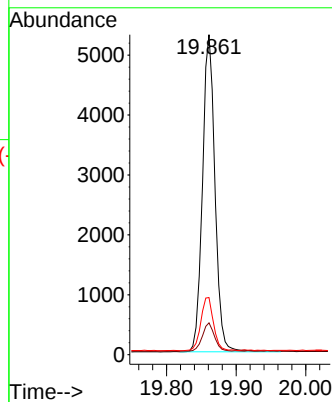
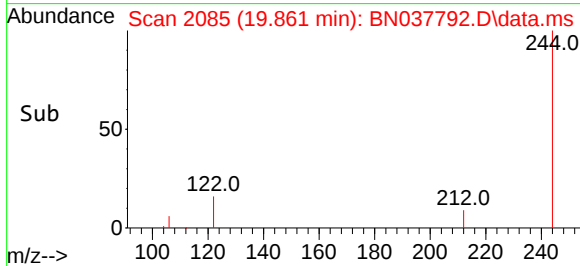


Tgt Ion:244 Resp: 659  
Ion Ratio Lower Upper  
244 100  
212 10.0 7.5 11.3  
122 17.8 13.2 19.8

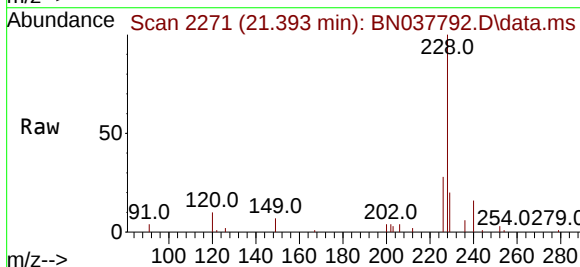
Manual Integrations

APPROVED

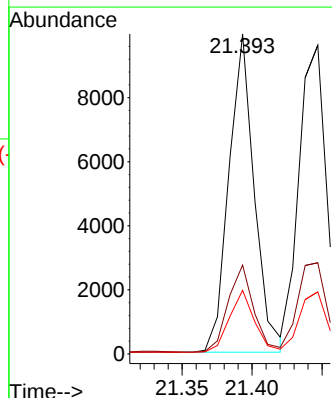
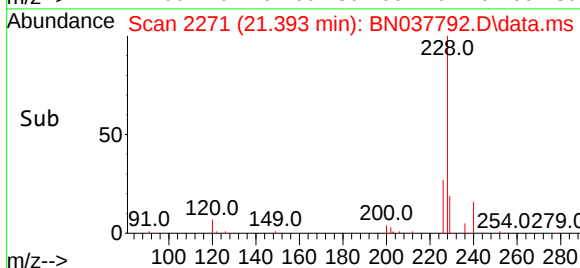
Reviewed By :Rahul Chavli 09/19/2025  
Supervised By :mohammad ahmed 09/23/2025

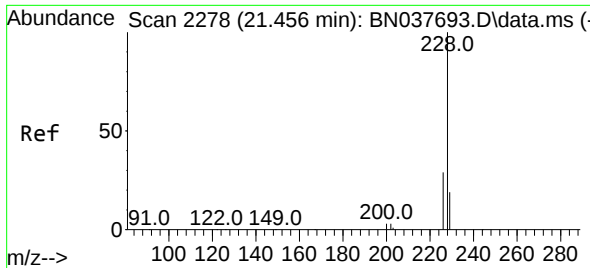


#32  
Benzo(a)anthracene  
Concen: 0.356 ng  
RT: 21.393 min Scan# 2271  
Delta R.T. -0.009 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16



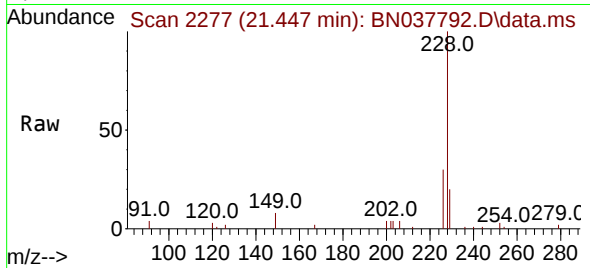
Tgt Ion:228 Resp: 12540  
Ion Ratio Lower Upper  
228 100  
226 27.8 22.2 33.2  
229 19.9 15.8 23.6





#33  
Chrysene  
Concen: 0.359 ng  
RT: 21.447 min Scan# 211  
Delta R.T. -0.009 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

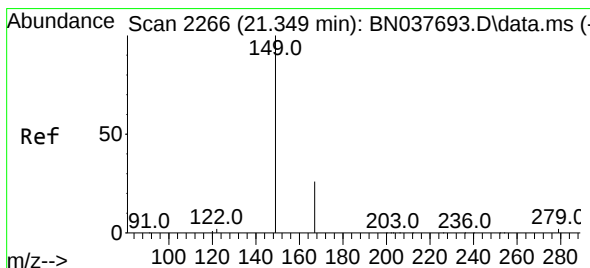
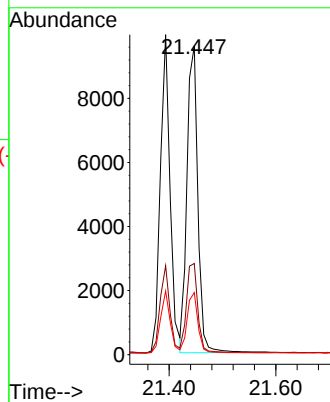
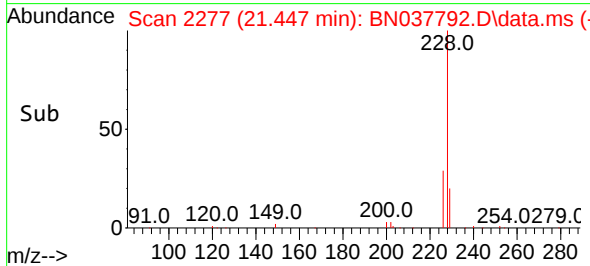
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BS



Tgt Ion:228 Resp: 1356  
Ion Ratio Lower Upper  
228 100  
226 29.5 23.5 35.3  
229 20.1 15.9 23.9

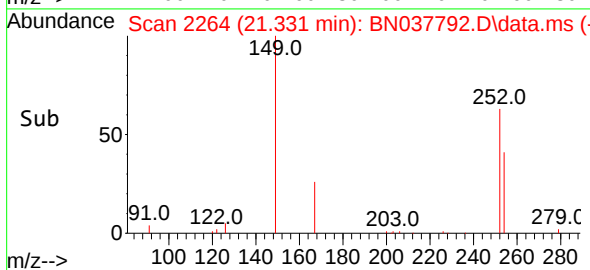
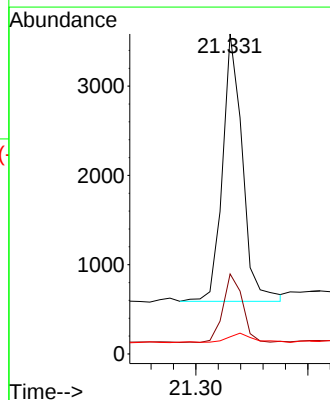
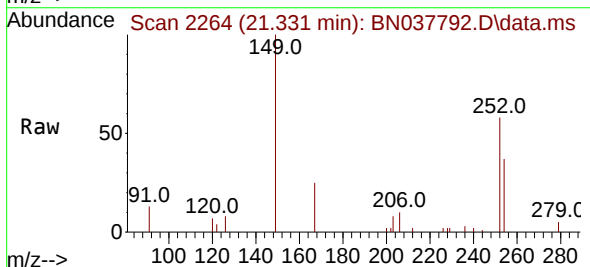
Manual Integrations  
**APPROVED**

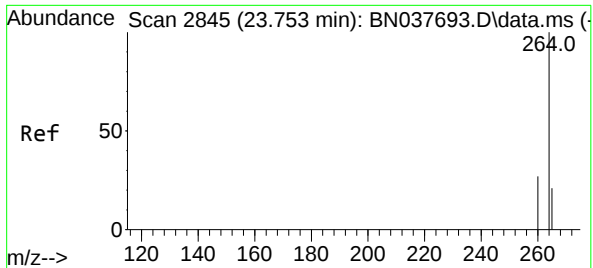
Reviewed By :Rahul Chavli 09/19/2025  
Supervised By :mohammad ahmed 09/23/2025



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.355 ng  
RT: 21.331 min Scan# 2264  
Delta R.T. -0.018 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

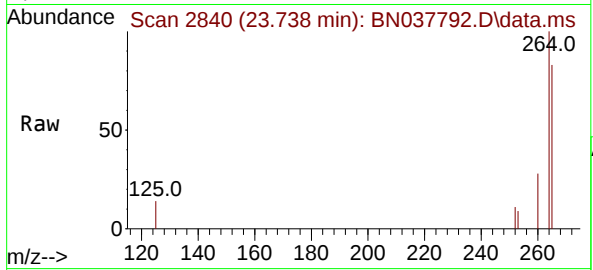
Tgt Ion:149 Resp: 3708  
Ion Ratio Lower Upper  
149 100  
167 25.0 20.8 31.2  
279 4.3 3.3 4.9





#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.738 min Scan# 21  
Delta R.T. -0.015 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

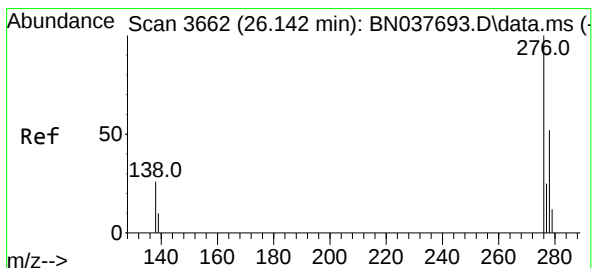
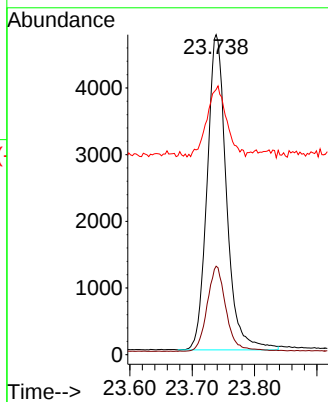
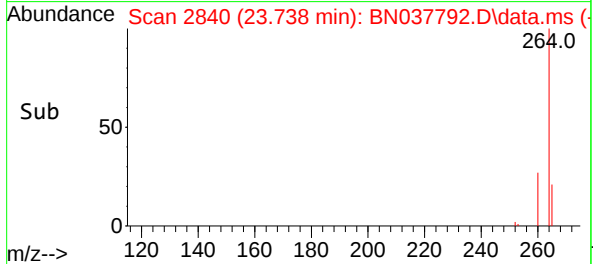
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BS



Tgt Ion:264 Resp: 10200  
Ion Ratio Lower Upper  
264 100  
260 27.6 21.8 32.8  
265 82.9 39.4 59.2

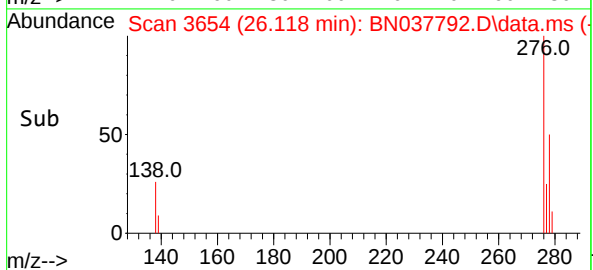
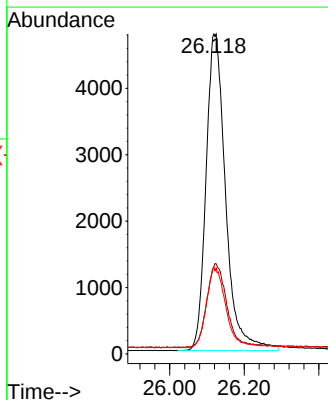
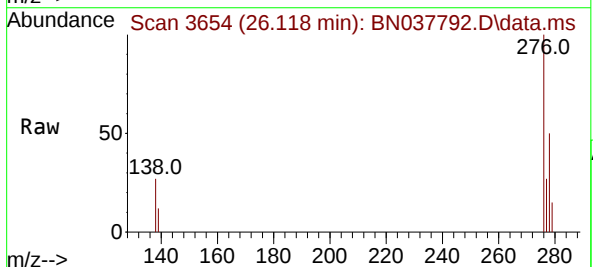
Manual Integrations  
**APPROVED**

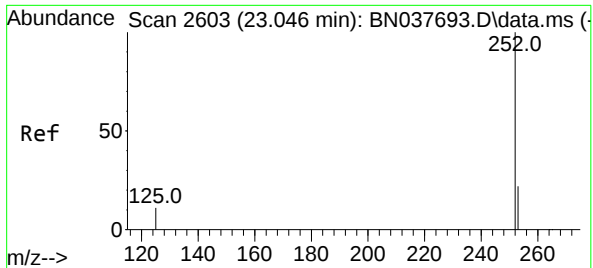
Reviewed By :Rahul Chavli 09/19/2025  
Supervised By :mohammad ahmed 09/23/2025



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.407 ng  
RT: 26.118 min Scan# 3654  
Delta R.T. -0.024 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

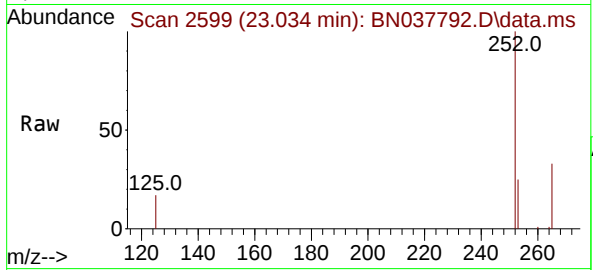
Tgt Ion:276 Resp: 17423  
Ion Ratio Lower Upper  
276 100  
138 27.0 21.9 32.9  
277 25.2 20.1 30.1





#37  
Benzo(b)fluoranthene  
Concen: 0.372 ng  
RT: 23.034 min Scan# 2599  
Delta R.T. -0.012 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

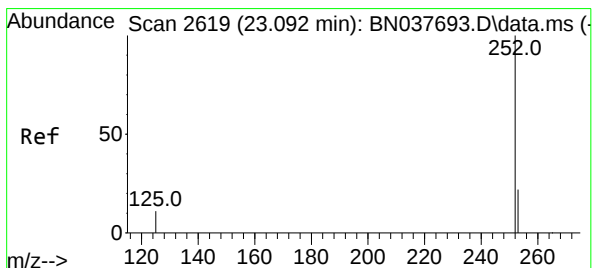
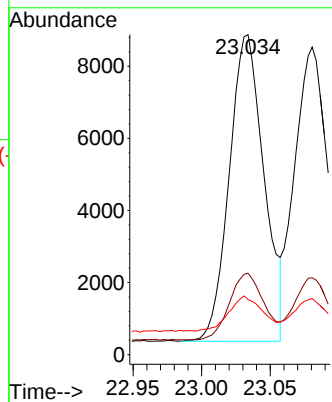
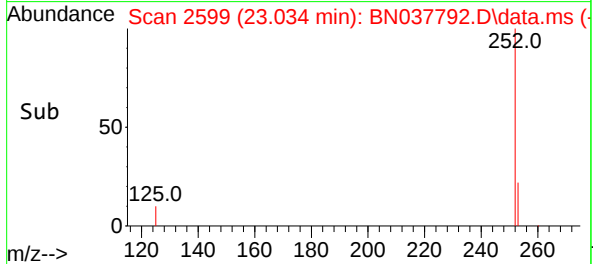
Instrument :  
BNA\_N  
ClientSampleId :  
PB169693BS



Tgt Ion:252 Resp: 1495  
Ion Ratio Lower Upper  
252 100  
253 25.5 19.4 29.2  
125 17.2 11.2 16.8

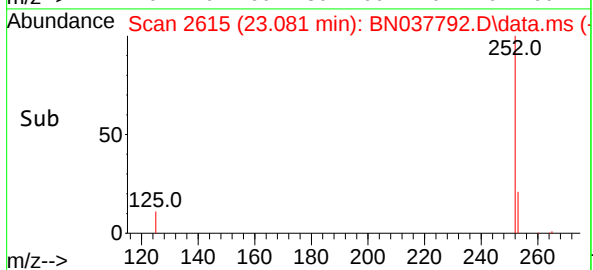
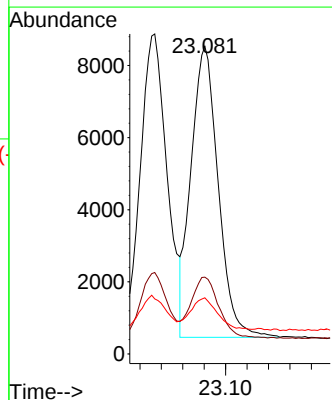
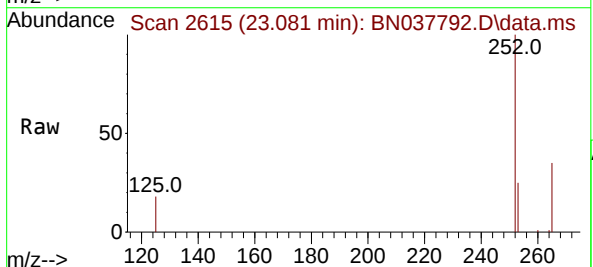
Manual Integrations  
APPROVED

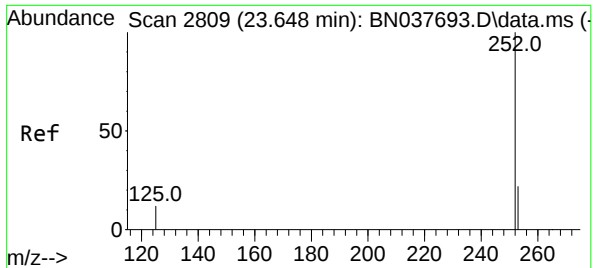
Reviewed By :Rahul Chavli 09/19/2025  
Supervised By :mohammad ahmed 09/23/2025



#38  
Benzo(k)fluoranthene  
Concen: 0.348 ng m  
RT: 23.081 min Scan# 2615  
Delta R.T. -0.012 min  
Lab File: BN037792.D  
Acq: 19 Sep 2025 00:16

Tgt Ion:252 Resp: 14241  
Ion Ratio Lower Upper  
252 100  
253 25.0 19.4 29.0  
125 18.3 11.6 17.4





#39

Benzo(a)pyrene

Concen: 0.395 ng

RT: 23.633 min Scan# 2804

Delta R.T. -0.015 min

Lab File: BN037792.D

Acq: 19 Sep 2025 00:16

Instrument :

BNA\_N

ClientSampleId :

PB169693BS

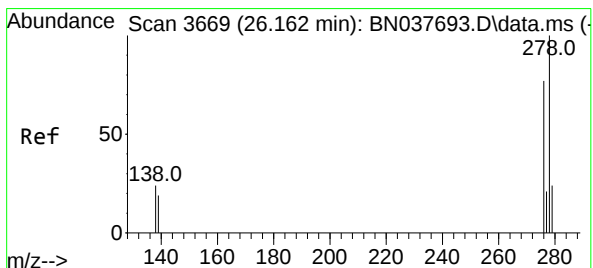
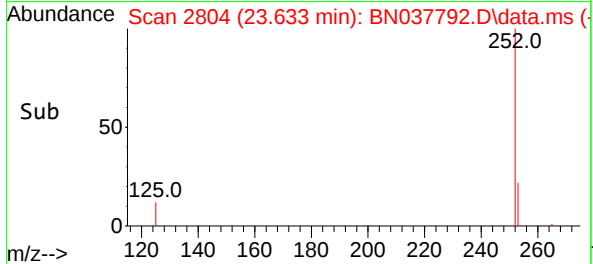
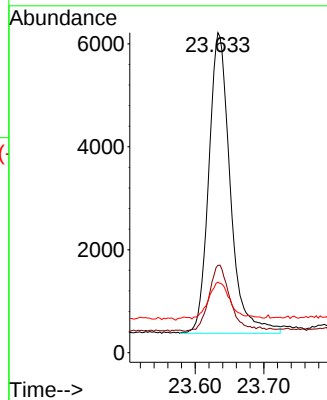
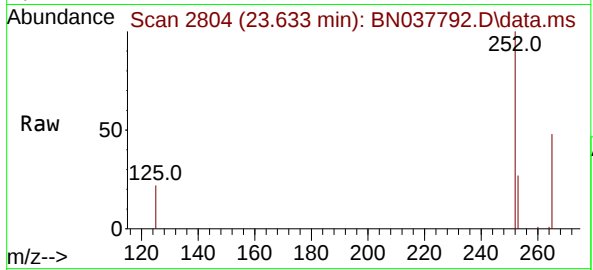
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 12714 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 27.3  | 20.8  | 31.2  |
| 125       | 22.1  | 13.9  | 20.9  |

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/19/2025

Supervised By :mohammad ahmed 09/23/2025



#40

Dibenzo(a,h)anthracene

Concen: 0.394 ng

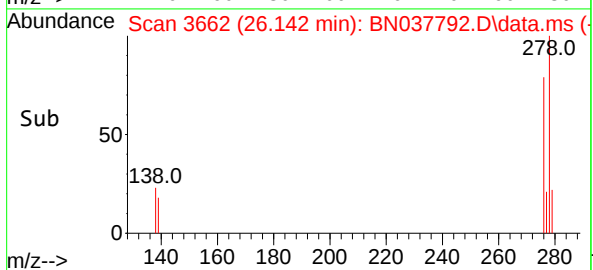
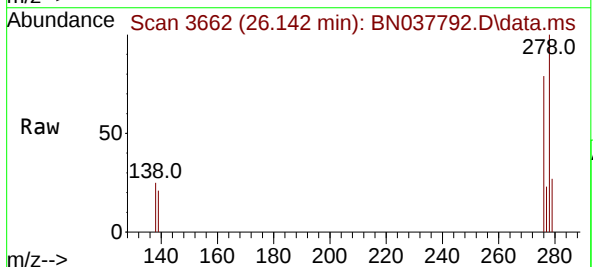
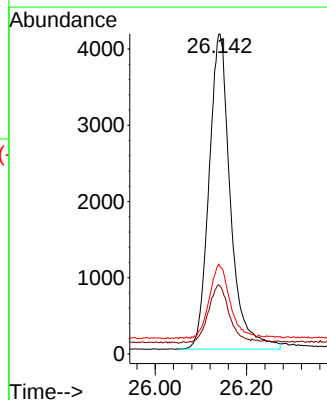
RT: 26.142 min Scan# 3662

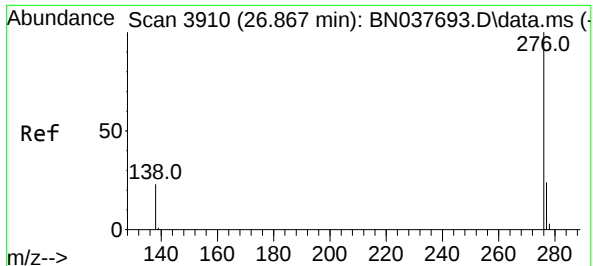
Delta R.T. -0.021 min

Lab File: BN037792.D

Acq: 19 Sep 2025 00:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 278   | Resp: | 13475 |
| Ion Ratio | Lower | Upper |       |
| 278       | 100   |       |       |
| 139       | 21.2  | 17.8  | 26.6  |
| 279       | 27.2  | 22.0  | 33.0  |





#41

Benzo(g,h,i)perylene

Concen: 0.398 ng

RT: 26.843 min Scan# 3910

Delta R.T. -0.024 min

Lab File: BN037792.D

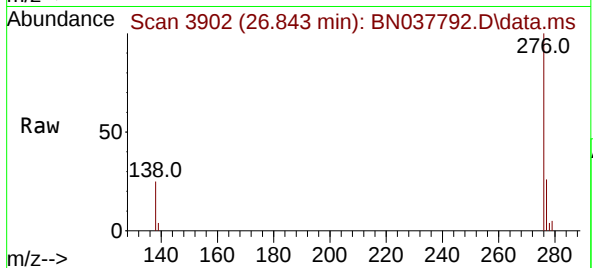
Acq: 19 Sep 2025 00:16

Instrument :

BNA\_N

ClientSampleId :

PB169693BS



Tgt Ion:276 Resp: 1527

Ion Ratio Lower Upper

276 100

277 25.6 20.6 31.0

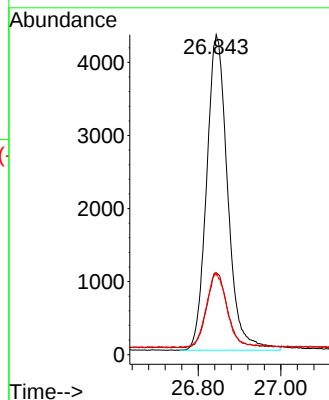
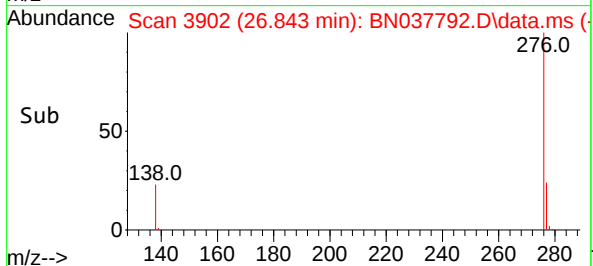
138 24.8 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/19/2025

Supervised By :mohammad ahmed 09/23/2025



## Report of Analysis

|                    |                        |                 |                   |
|--------------------|------------------------|-----------------|-------------------|
| Client:            | G Environmental        | Date Collected: | 09/11/25          |
| Project:           | Blanchard              | Date Received:  | 09/12/25          |
| Client Sample ID:  | RE103D2-20250911MS     | SDG No.:        | Q3083             |
| Lab Sample ID:     | Q3097-02MS             | Matrix:         | Water             |
| Analytical Method: | SW8270ESIM             | % Solid:        | 0                 |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL      |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOC-SIM          |
| Extraction Type :  | Decanted :    N        | Level :         | LOW               |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N            PH : |
| Prep Method :      |                        |                 |                   |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037772.D        | 1         | 09/15/25 12:00 | 09/18/25 11:48 | PB169693      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 91-20-3                   | Naphthalene             | 0.32  |           | 0.040               | 0.10       | ug/L     |
| 208-96-8                  | Acenaphthylene          | 0.34  |           | 0.040               | 0.10       | ug/L     |
| 83-32-9                   | Acenaphthene            | 0.32  |           | 0.040               | 0.10       | ug/L     |
| 86-73-7                   | Fluorene                | 0.31  |           | 0.040               | 0.10       | ug/L     |
| 85-01-8                   | Phenanthrene            | 0.37  |           | 0.030               | 0.10       | ug/L     |
| 120-12-7                  | Anthracene              | 0.35  |           | 0.040               | 0.10       | ug/L     |
| 206-44-0                  | Fluoranthene            | 0.36  |           | 0.030               | 0.10       | ug/L     |
| 129-00-0                  | Pyrene                  | 0.42  |           | 0.030               | 0.10       | ug/L     |
| 56-55-3                   | Benzo(a)anthracene      | 0.42  |           | 0.040               | 0.10       | ug/L     |
| 218-01-9                  | Chrysene                | 0.42  |           | 0.040               | 0.10       | ug/L     |
| 205-99-2                  | Benzo(b)fluoranthene    | 0.43  |           | 0.040               | 0.10       | ug/L     |
| 207-08-9                  | Benzo(k)fluoranthene    | 0.41  |           | 0.050               | 0.10       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene          | 0.42  |           | 0.040               | 0.10       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene  | 0.46  |           | 0.050               | 0.10       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene  | 0.46  |           | 0.050               | 0.10       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene    | 0.44  |           | 0.040               | 0.10       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.28  |           | 30 (20) - 150 (139) | 70%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.35  |           | 30 (54) - 150 (157) | 87%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.33  |           | 30 (27) - 130 (154) | 81%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.30  |           | 30 (30) - 130 (155) | 76%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.43  |           | 30 (54) - 130 (175) | 107%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7220  | 7.833     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 19400 | 10.637    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 8790  | 14.484    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 14600 | 17.236    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 11100 | 21.411    |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 10700 | 23.744    |                     |            |          |

## Report of Analysis

|                    |                        |                 |                      |
|--------------------|------------------------|-----------------|----------------------|
| Client:            | G Environmental        | Date Collected: | 09/11/25             |
| Project:           | Blanchard              | Date Received:  | 09/12/25             |
| Client Sample ID:  | RE103D2-20250911MS     | SDG No.:        | Q3083                |
| Lab Sample ID:     | Q3097-02MS             | Matrix:         | Water                |
| Analytical Method: | SW8270ESIM             | % Solid:        | 0                    |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000              uL |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOC-SIM             |
| Extraction Type :  | Decanted :      N      | Level :         | LOW                  |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N              PH :  |
| Prep Method :      |                        |                 |                      |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037772.D        | 1         | 09/15/25 12:00 | 09/18/25 11:48 | PB169693      |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091725\  
 Data File : BN037772.D  
 Acq On : 18 Sep 2025 11:48  
 Operator : RC/JU  
 Sample : Q3097-02MS  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE103D2-20250911MS

Quant Time: Sep 18 12:16:23 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:20:01 2025  
 Response via : Initial Calibration

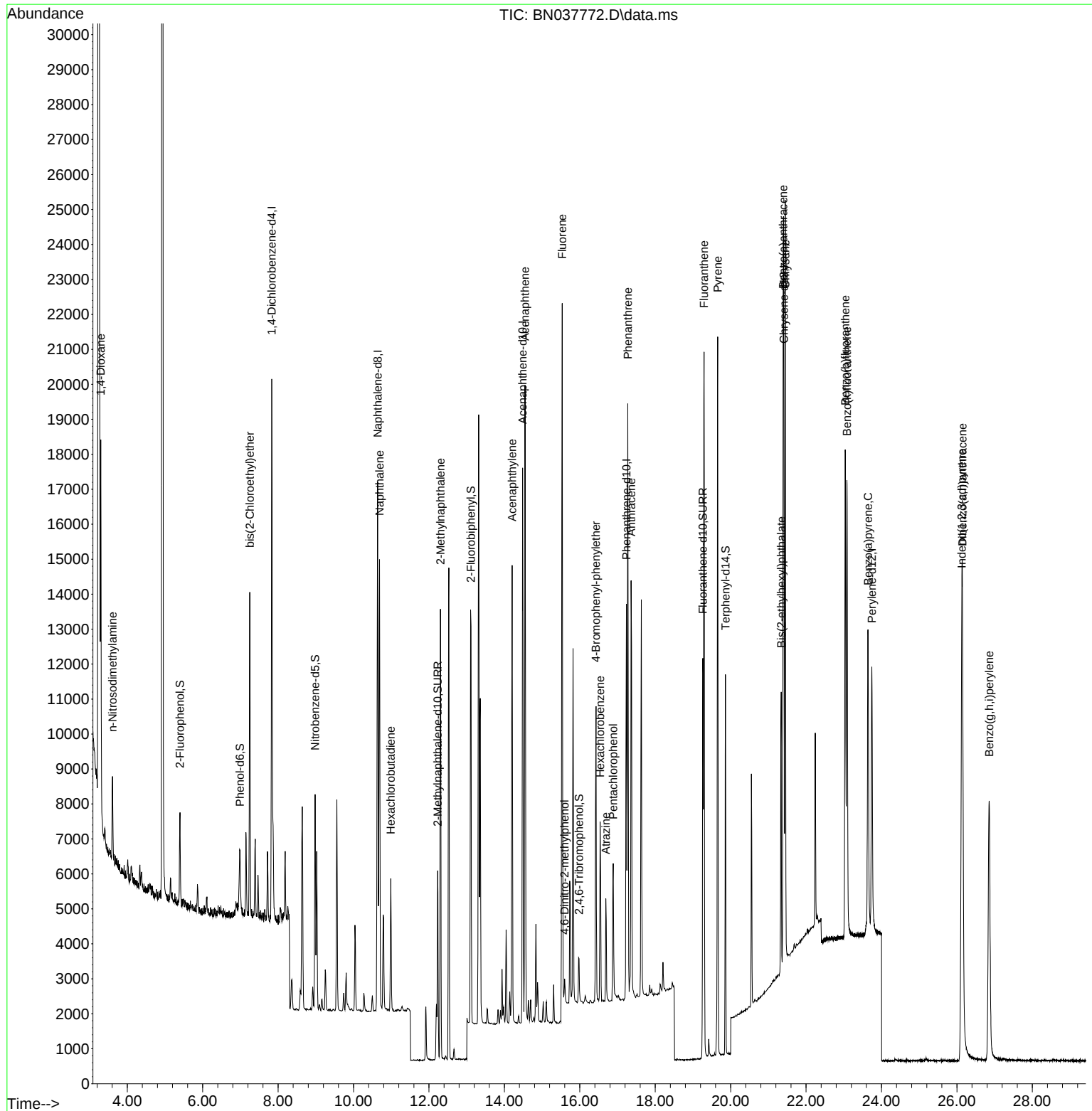
| Compound                      | R.T.   | QIon | Response | Conc Units | Dev(Min) |
|-------------------------------|--------|------|----------|------------|----------|
| -----                         |        |      |          |            |          |
| Internal Standards            |        |      |          |            |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.833  | 152  | 7218     | 0.400 ng   | 0.00     |
| 7) Naphthalene-d8             | 10.637 | 136  | 19437    | 0.400 ng   | -0.01    |
| 13) Acenaphthene-d10          | 14.484 | 164  | 8792     | 0.400 ng   | -0.01    |
| 19) Phenanthrene-d10          | 17.236 | 188  | 14560    | 0.400 ng   | # 0.00   |
| 29) Chrysene-d12              | 21.411 | 240  | 11077    | 0.400 ng   | # 0.00   |
| 35) Perylene-d12              | 23.744 | 264  | 10712    | 0.400 ng   | # 0.00   |
|                               |        |      |          |            |          |
| System Monitoring Compounds   |        |      |          |            |          |
| 4) 2-Fluorophenol             | 5.399  | 112  | 2158     | 0.130 ng   | 0.00     |
| 5) Phenol-d6                  | 6.988  | 99   | 1612     | 0.075 ng   | 0.00     |
| 8) Nitrobenzene-d5            | 8.982  | 82   | 4623     | 0.325 ng   | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.233 | 152  | 7201     | 0.280 ng   | -0.01    |
| 14) 2,4,6-Tribromophenol      | 15.982 | 330  | 880      | 0.384 ng   | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.115 | 172  | 11146    | 0.303 ng   | 0.00     |
| 27) Fluoranthene-d10          | 19.262 | 212  | 12673    | 0.347 ng   | 0.00     |
| 31) Terphenyl-d14             | 19.861 | 244  | 9630     | 0.428 ng   | 0.00     |
|                               |        |      |          |            |          |
| Target Compounds              |        |      |          |            | Qvalue   |
| 2) 1,4-Dioxane                | 3.297  | 88   | 5443     | 0.724 ng   | 95       |
| 3) n-Nitrosodimethylamine     | 3.608  | 42   | 1281     | 0.130 ng   | 87       |
| 6) bis(2-Chloroethyl)ether    | 7.248  | 93   | 6334     | 0.330 ng   | 99       |
| 9) Naphthalene                | 10.690 | 128  | 17098    | 0.322 ng   | 99       |
| 10) Hexachlorobutadiene       | 10.989 | 225  | 2914     | 0.303 ng   | # 100    |
| 12) 2-Methylnaphthalene       | 12.304 | 142  | 9253     | 0.282 ng   | 100      |
| 16) Acenaphthylene            | 14.206 | 152  | 13679    | 0.339 ng   | 100      |
| 17) Acenaphthene              | 14.548 | 154  | 8588     | 0.315 ng   | 99       |
| 18) Fluorene                  | 15.535 | 166  | 10257    | 0.311 ng   | 98       |
| 20) 4,6-Dinitro-2-methylph... | 15.597 | 198  | 483      | 0.358 ng   | # 72     |
| 21) 4-Bromophenyl-phenylether | 16.429 | 248  | 3439     | 0.362 ng   | # 89     |
| 22) Hexachlorobenzene         | 16.540 | 284  | 4153     | 0.380 ng   | 97       |
| 23) Atrazine                  | 16.689 | 200  | 2516     | 0.417 ng   | # 91     |
| 24) Pentachlorophenol         | 16.888 | 266  | 2259     | 0.712 ng   | 97       |
| 25) Phenanthrene              | 17.273 | 178  | 17041    | 0.372 ng   | 100      |
| 26) Anthracene                | 17.360 | 178  | 14357    | 0.354 ng   | 100      |
| 28) Fluoranthene              | 19.294 | 202  | 18098    | 0.360 ng   | 99       |
| 30) Pyrene                    | 19.657 | 202  | 18207    | 0.420 ng   | 100      |
| 32) Benzo(a)anthracene        | 21.393 | 228  | 16075    | 0.416 ng   | 100      |
| 33) Chrysene                  | 21.447 | 228  | 17366    | 0.419 ng   | 99       |
| 34) Bis(2-ethylhexyl)phtha... | 21.340 | 149  | 5730     | 0.500 ng   | 98       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.127 | 276  | 20796    | 0.462 ng   | 99       |
| 37) Benzo(b)fluoranthene      | 23.037 | 252  | 18047    | 0.428 ng   | 97       |
| 38) Benzo(k)fluoranthene      | 23.084 | 252  | 17770    | 0.413 ng   | 97       |
| 39) Benzo(a)pyrene            | 23.642 | 252  | 14195    | 0.420 ng   | 97       |
| 40) Dibenzo(a,h)anthracene    | 26.148 | 278  | 16460    | 0.458 ng   | 98       |
| 41) Benzo(g,h,i)perylene      | 26.855 | 276  | 17542    | 0.435 ng   | 98       |
| -----                         |        |      |          |            |          |

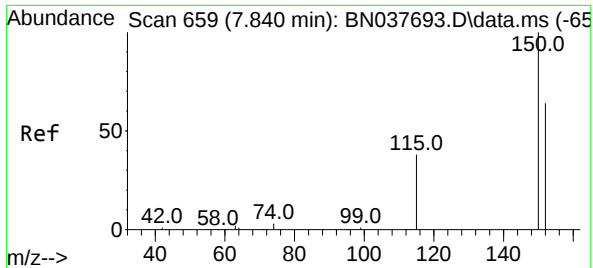
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091725\  
Data File : BN037772.D  
Acq On : 18 Sep 2025 11:48  
Operator : RC/JU  
Sample : Q3097-02MS  
Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MS

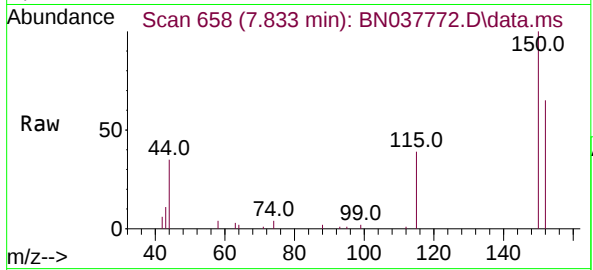
Quant Time: Sep 18 12:16:23 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 11 14:20:01 2025  
Response via : Initial Calibration



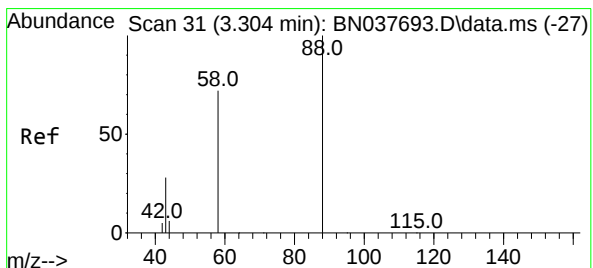
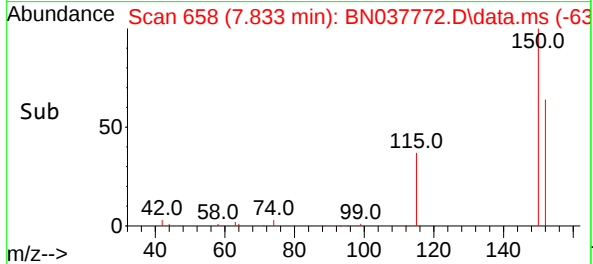
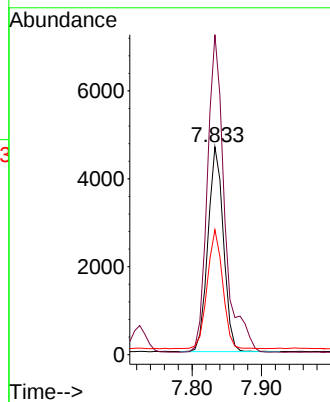


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.833 min Scan# 61  
Delta R.T. -0.007 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MS

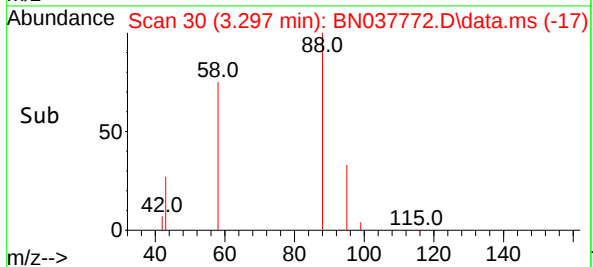
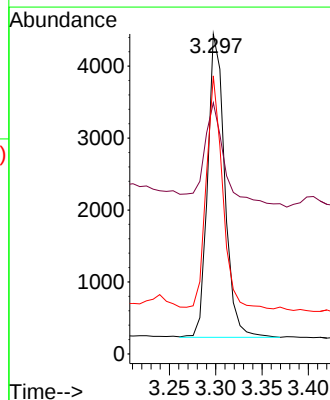
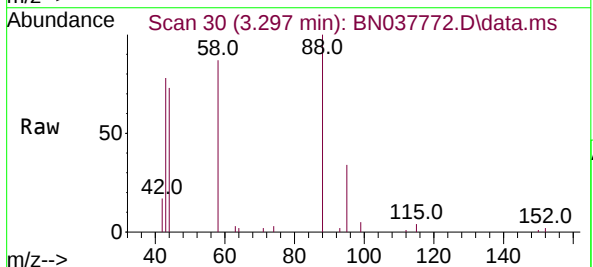


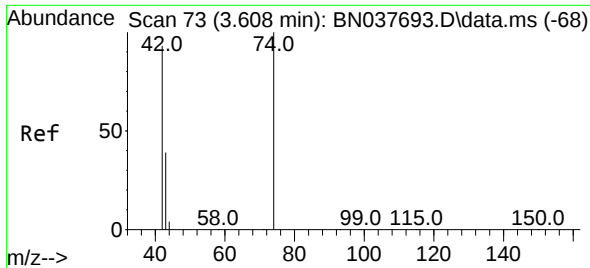
Tgt Ion: 152 Resp: 7218  
Ion Ratio Lower Upper  
152 100  
150 154.1 124.5 186.7  
115 60.1 49.2 73.8



#2  
1,4-Dioxane  
Concen: 0.724 ng  
RT: 3.297 min Scan# 30  
Delta R.T. -0.007 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

Tgt Ion: 88 Resp: 5443  
Ion Ratio Lower Upper  
88 100  
43 37.1 26.8 40.2  
58 73.0 61.9 92.9

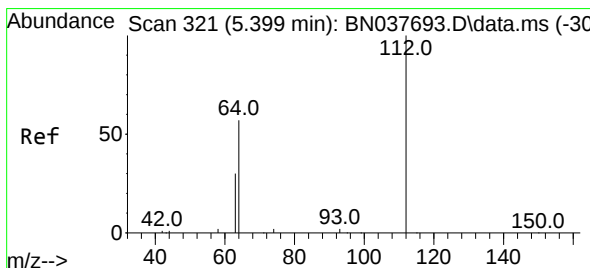
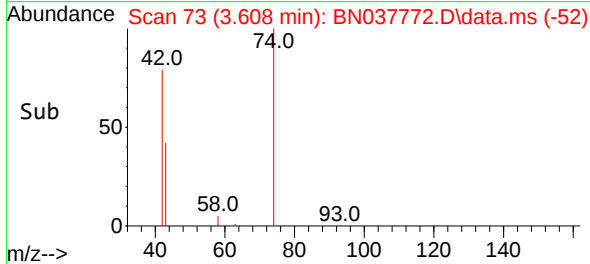
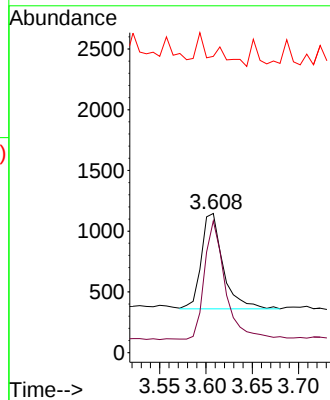
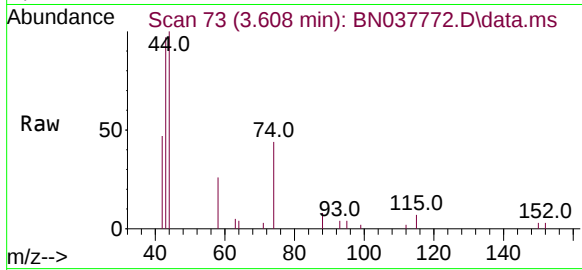




#3  
n-Nitrosodimethylamine  
Concen: 0.130 ng  
RT: 3.608 min Scan# 73  
Delta R.T. 0.000 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

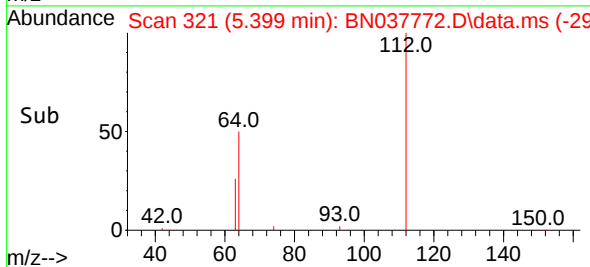
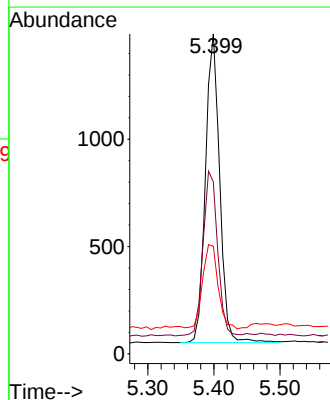
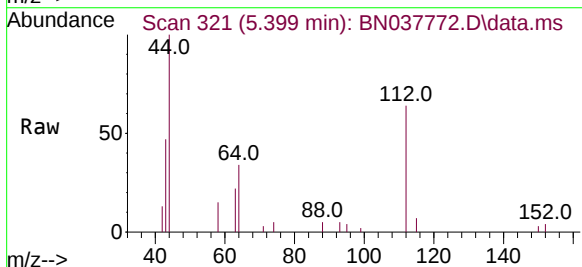
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MS

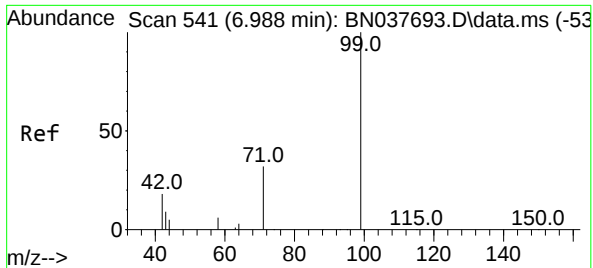
Tgt Ion: 42 Resp: 1281  
Ion Ratio Lower Upper  
42 100  
74 121.5 86.0 129.0  
44 11.9 8.4 12.6



#4  
2-Fluorophenol  
Concen: 0.130 ng  
RT: 5.399 min Scan# 321  
Delta R.T. 0.000 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

Tgt Ion: 112 Resp: 2158  
Ion Ratio Lower Upper  
112 100  
64 54.4 44.9 67.3  
63 29.7 24.7 37.1

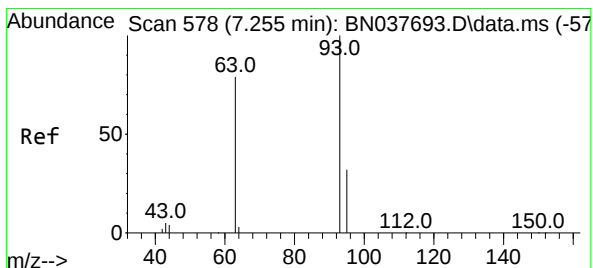
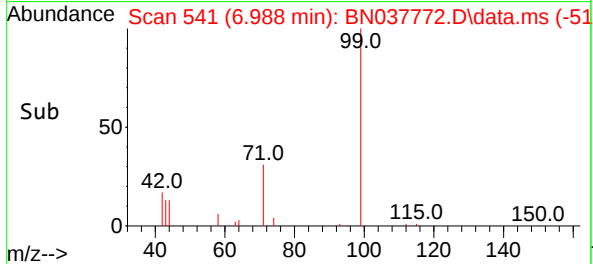
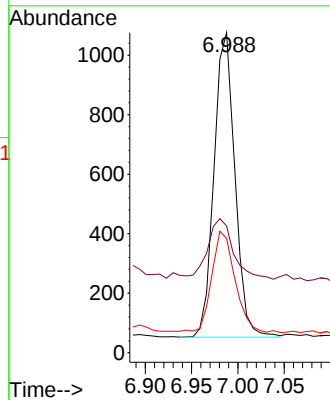
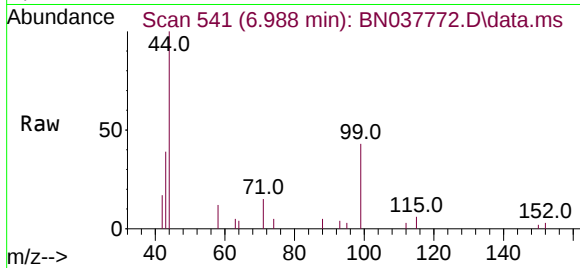




#5  
Phenol-d6  
Concen: 0.075 ng  
RT: 6.988 min Scan# 541  
Delta R.T. 0.000 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

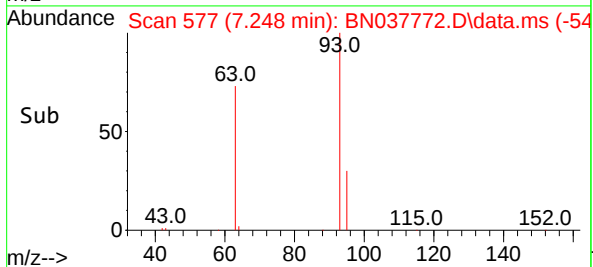
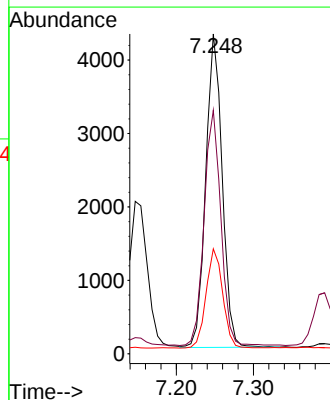
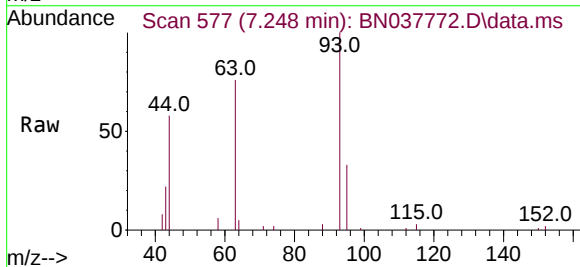
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MS

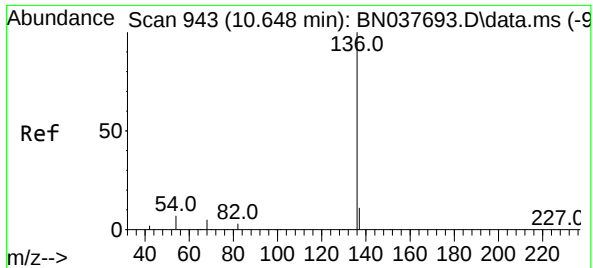
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 24.2  | 16.6  | 24.8  |
| 71      | 36.7  | 26.7  | 40.1  |



#6  
bis(2-Chloroethyl)ether  
Concen: 0.330 ng  
RT: 7.248 min Scan# 577  
Delta R.T. -0.007 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 76.1  | 60.6  | 90.8  |
| 95      | 32.0  | 26.0  | 39.0  |

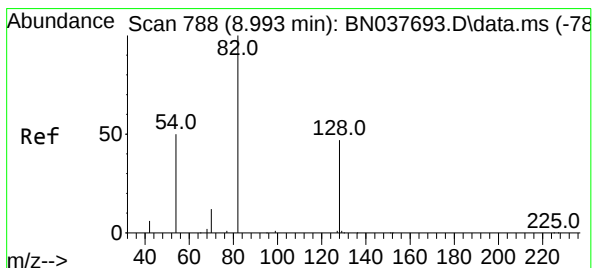
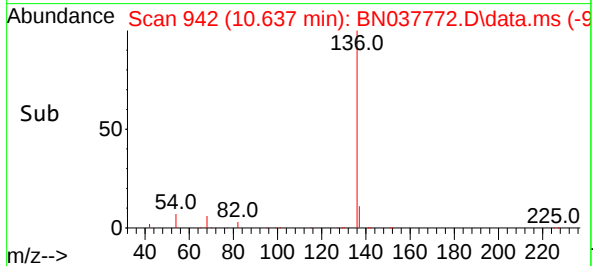
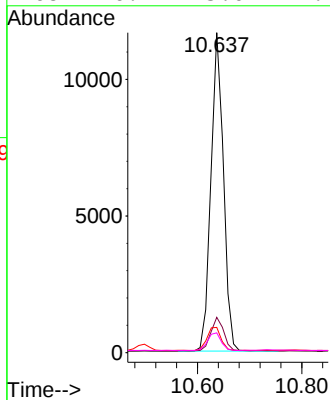
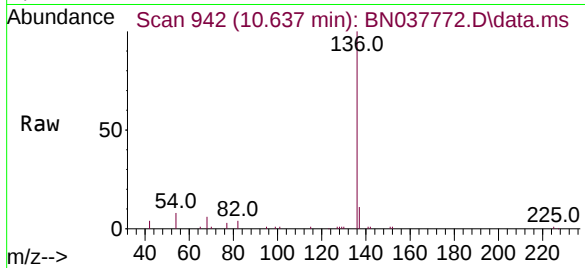




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.637 min Scan# 94  
Delta R.T. -0.011 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

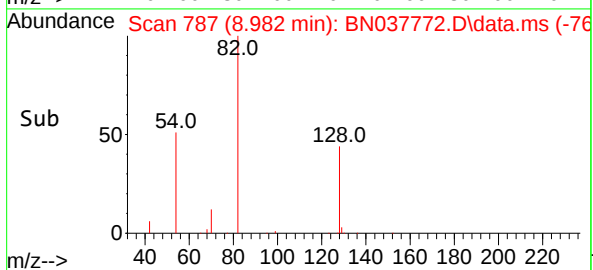
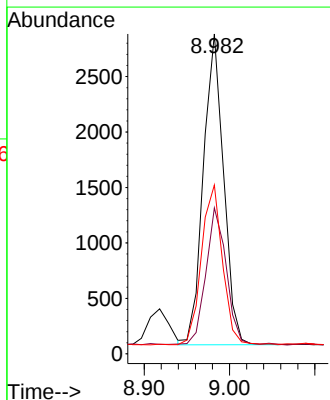
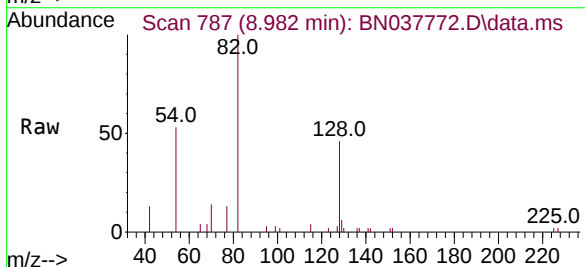
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MS

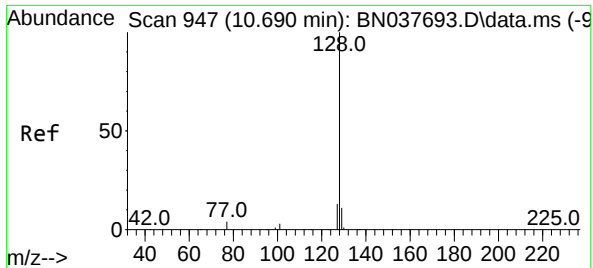
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 19437 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.0  | 9.1   | 13.7  |
| 54       | 7.9   | 6.3   | 9.5   |
| 68       | 6.2   | 5.0   | 7.4   |



#8  
Nitrobenzene-d5  
Concen: 0.325 ng  
RT: 8.982 min Scan# 787  
Delta R.T. -0.011 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 4623  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 45.6  | 38.3  | 57.5  |
| 54       | 52.8  | 41.4  | 62.2  |

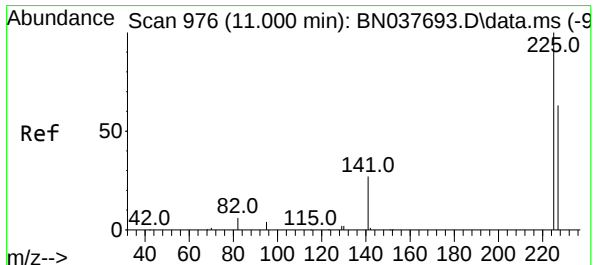
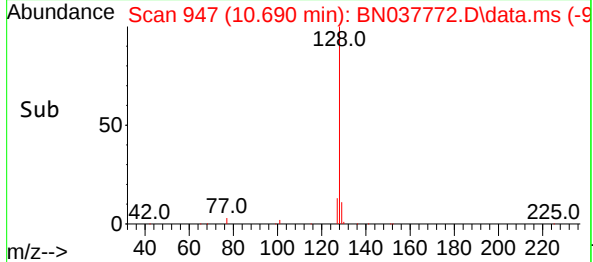
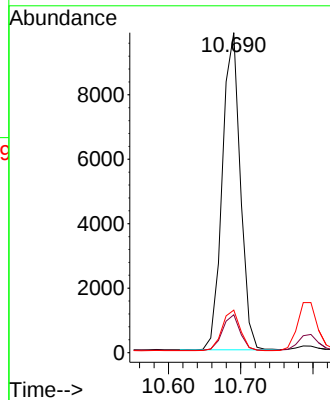
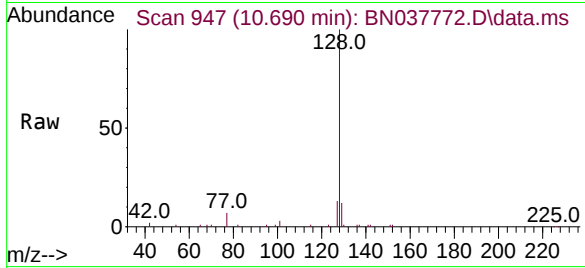




#9  
Naphthalene  
Concen: 0.322 ng  
RT: 10.690 min Scan# 94  
Delta R.T. 0.000 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

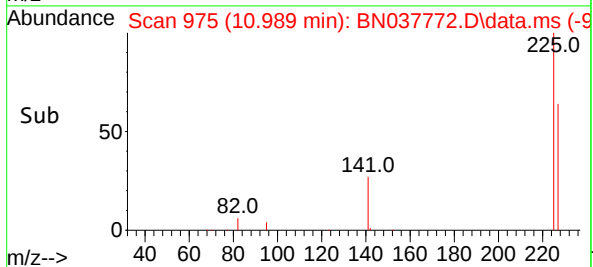
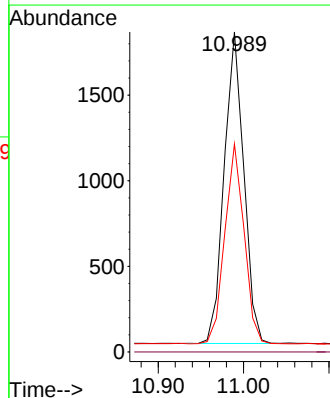
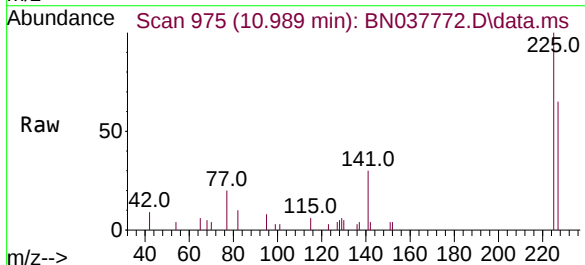
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MS

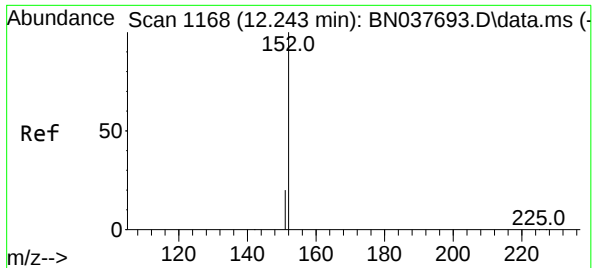
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|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 17098 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 129       | 11.8  | 9.1   | 13.7  |
| 127       | 13.3  | 10.9  | 16.3  |



#10  
Hexachlorobutadiene  
Concen: 0.303 ng  
RT: 10.989 min Scan# 975  
Delta R.T. -0.011 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 2914 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 0.0   | 0.0   | 0.0  |
| 227       | 63.3  | 50.9  | 76.3 |

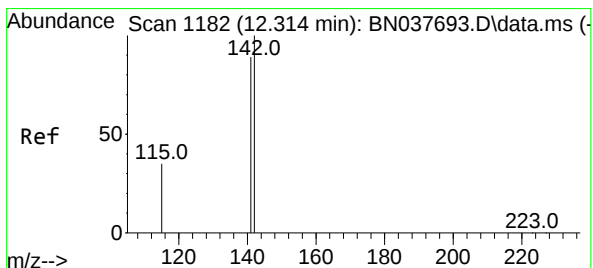
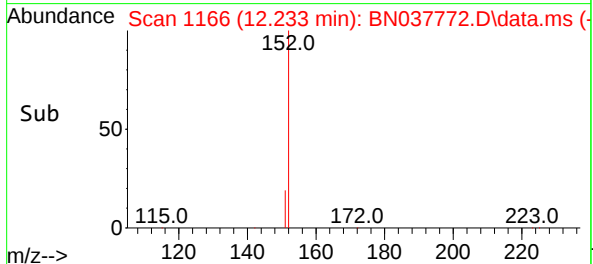
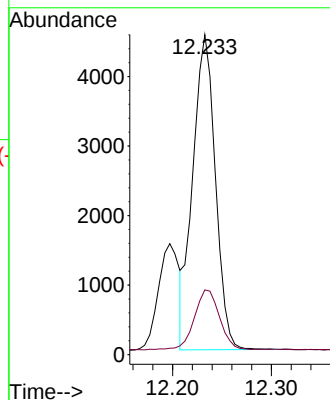
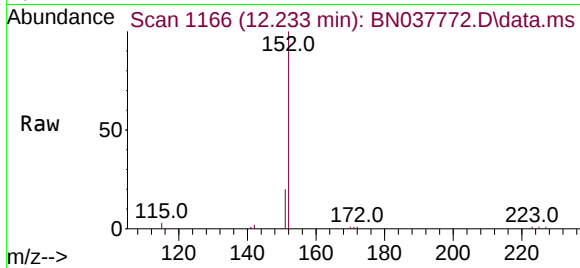




#11  
2-Methylnaphthalene-d10  
Concen: 0.280 ng  
RT: 12.233 min Scan# 1166  
Delta R.T. -0.010 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

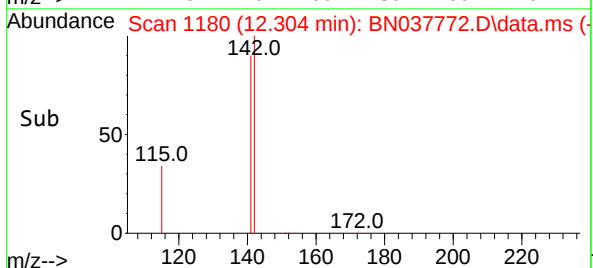
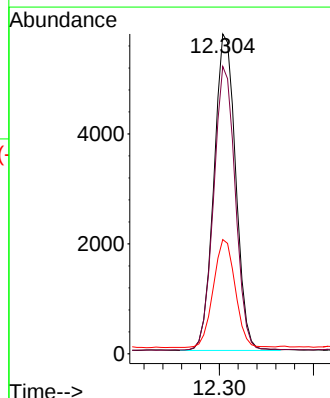
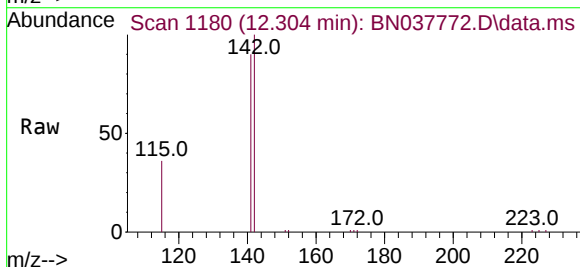
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MS

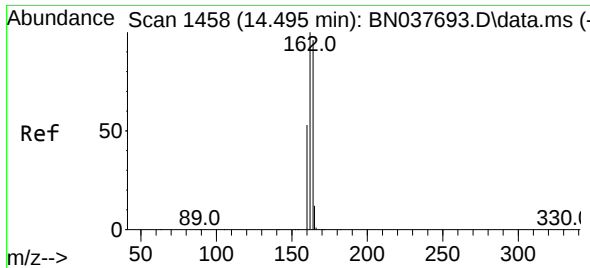
Tgt Ion:152 Resp: 7201  
Ion Ratio Lower Upper  
152 100  
151 21.4 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 0.282 ng  
RT: 12.304 min Scan# 1180  
Delta R.T. -0.010 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

Tgt Ion:142 Resp: 9253  
Ion Ratio Lower Upper  
142 100  
141 89.8 71.6 107.4  
115 35.7 28.6 43.0

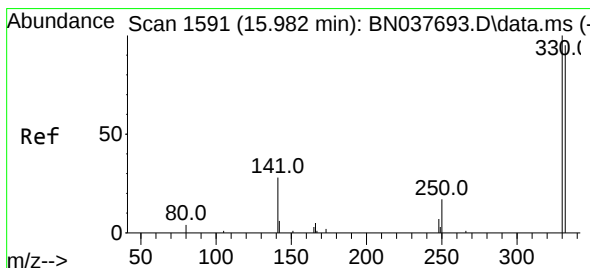
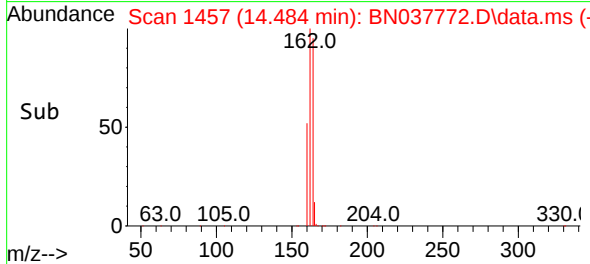
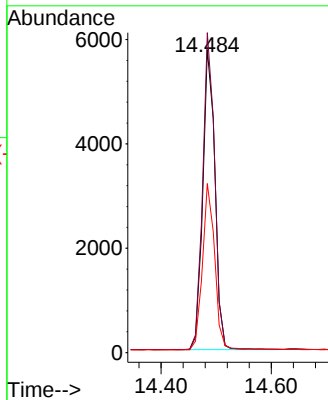
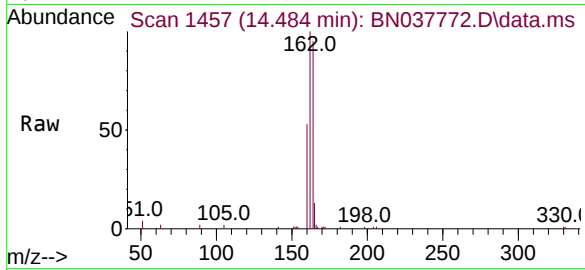




#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.484 min Scan# 1457  
Delta R.T. -0.011 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

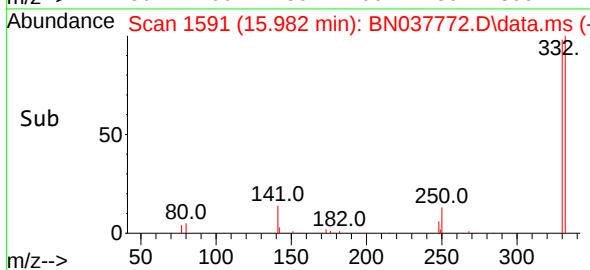
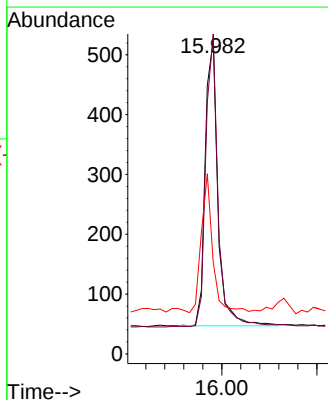
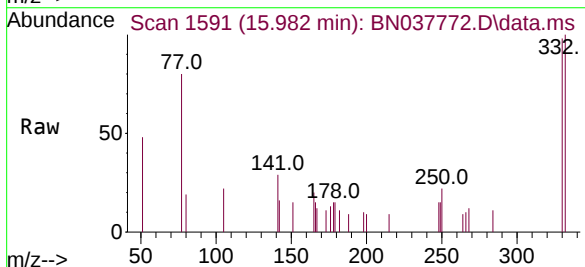
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MS

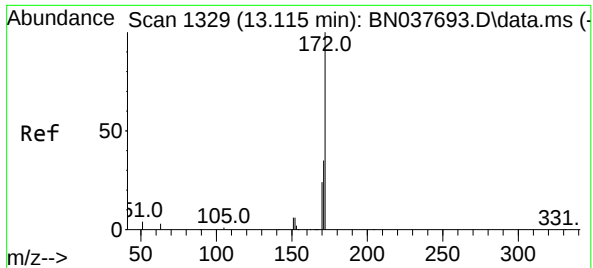
| Tgt Ion | 164   | Resp: | 8792  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 164     | 100   |       |       |
| 162     | 105.6 | 83.1  | 124.7 |
| 160     | 55.8  | 44.3  | 66.5  |



#14  
2,4,6-Tribromophenol  
Concen: 0.384 ng  
RT: 15.982 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

| Tgt Ion | 330   | Resp: | 880   |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 330     | 100   |       |       |
| 332     | 100.5 | 75.3  | 112.9 |
| 141     | 43.6  | 35.0  | 52.4  |

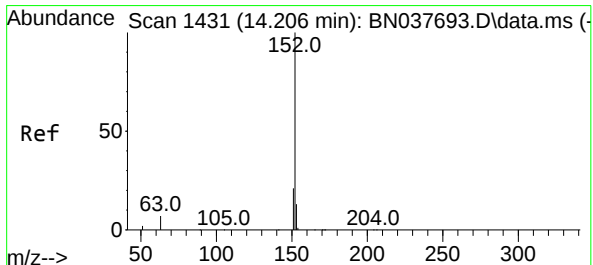
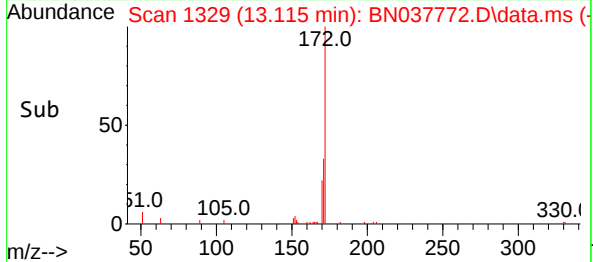
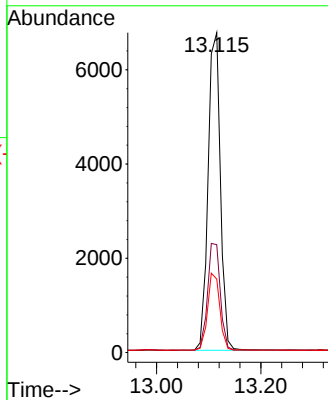
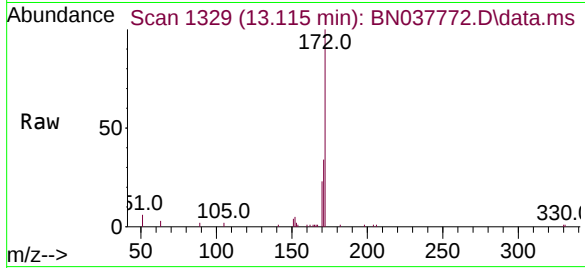




#15  
2-Fluorobiphenyl  
Concen: 0.303 ng  
RT: 13.115 min Scan# 1329  
Delta R.T. 0.000 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

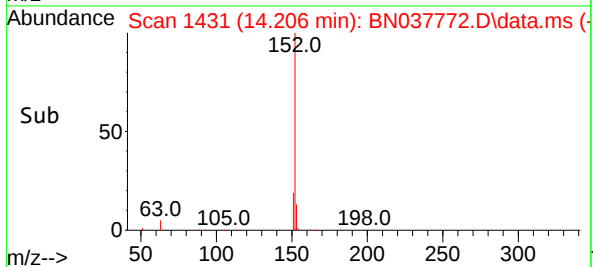
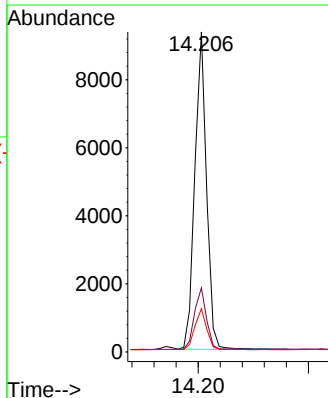
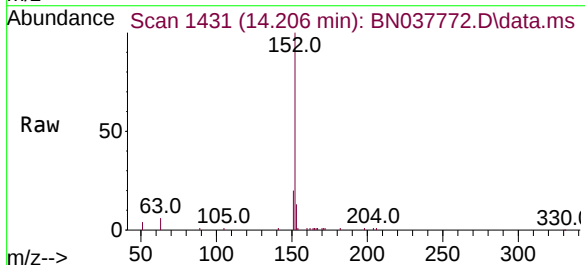
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MS

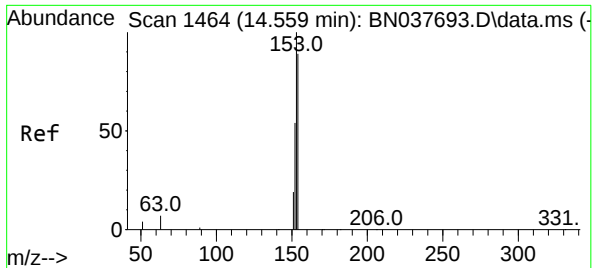
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 33.7  | 28.6  | 43.0  |
| 170     | 23.0  | 19.8  | 29.8  |



#16  
Acenaphthylene  
Concen: 0.339 ng  
RT: 14.206 min Scan# 1431  
Delta R.T. 0.000 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.1  | 16.2  | 24.2  |
| 153     | 13.2  | 10.4  | 15.6  |

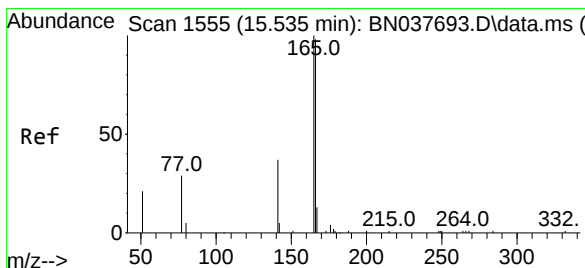
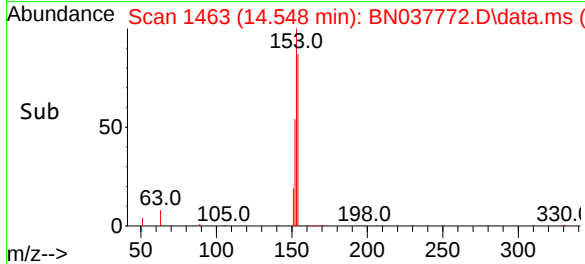
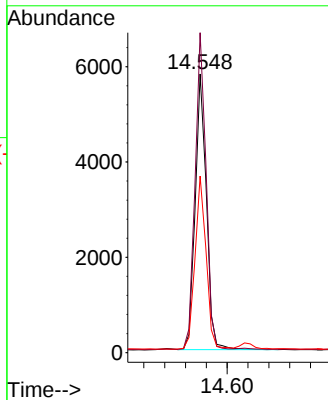
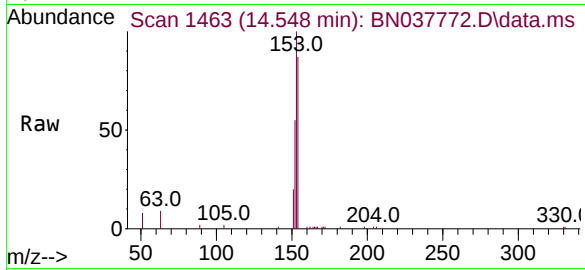




#17  
Acenaphthene  
Concen: 0.315 ng  
RT: 14.548 min Scan# 1463  
Delta R.T. -0.011 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

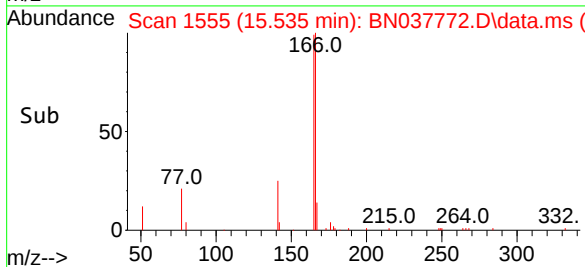
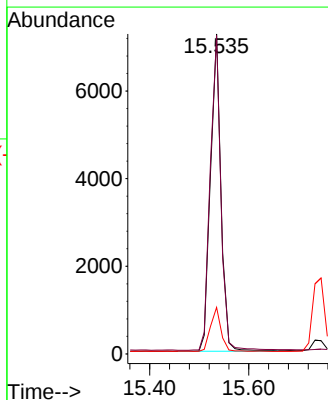
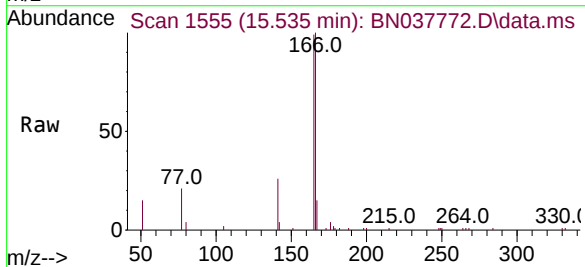
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MS

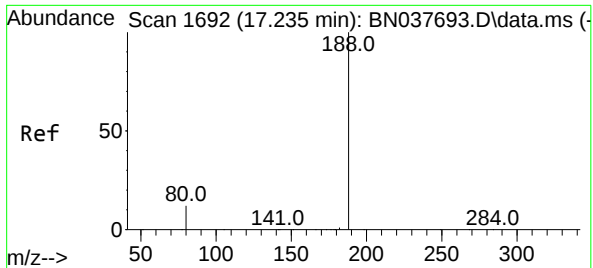
Tgt Ion:154 Resp: 8588  
Ion Ratio Lower Upper  
154 100  
153 113.3 89.8 134.8  
152 62.5 50.2 75.2



#18  
Fluorene  
Concen: 0.311 ng  
RT: 15.535 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

Tgt Ion:166 Resp: 10257  
Ion Ratio Lower Upper  
166 100  
165 101.5 79.6 119.4  
167 14.1 10.6 16.0

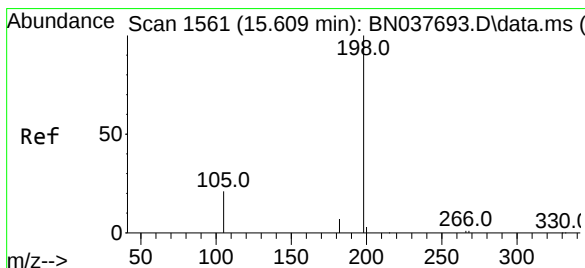
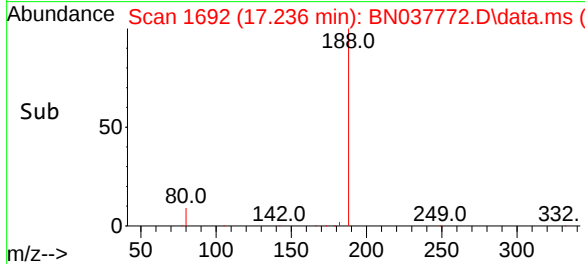
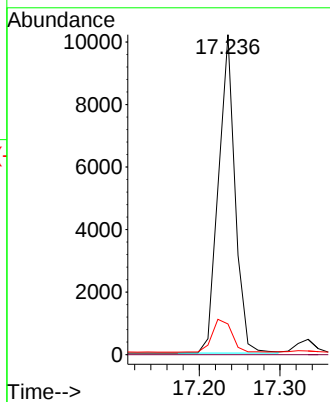
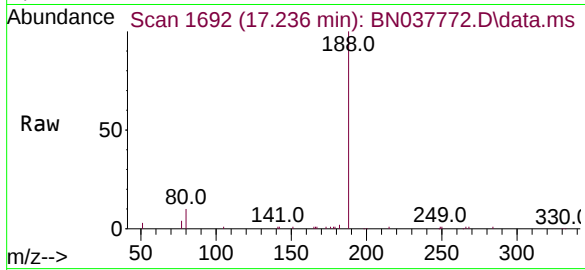




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.236 min Scan# 1692  
Delta R.T. 0.000 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

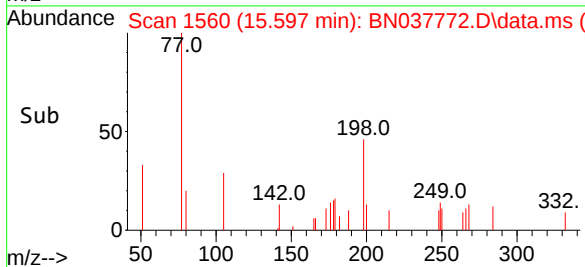
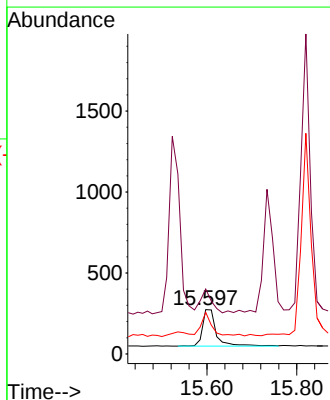
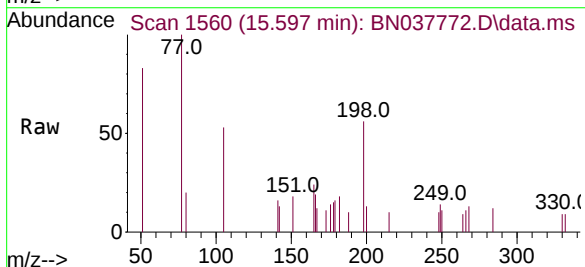
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MS

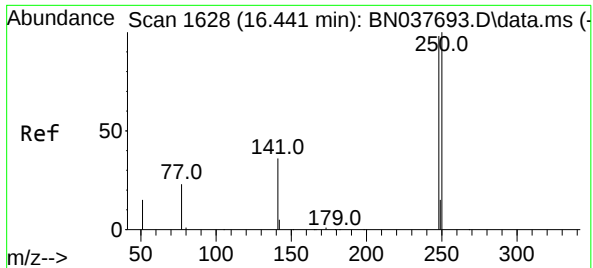
|             |       |       |
|-------------|-------|-------|
| Tgt Ion:188 | Resp: | 14560 |
| Ion Ratio   | Lower | Upper |
| 188         | 100   |       |
| 94          | 0.0   | 0.0   |
| 80          | 9.6   | 15.8  |



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.358 ng  
RT: 15.597 min Scan# 1560  
Delta R.T. -0.012 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

|             |       |       |
|-------------|-------|-------|
| Tgt Ion:198 | Resp: | 483   |
| Ion Ratio   | Lower | Upper |
| 198         | 100   |       |
| 51          | 146.4 | 95.1  |
| 105         | 93.8  | 80.6  |

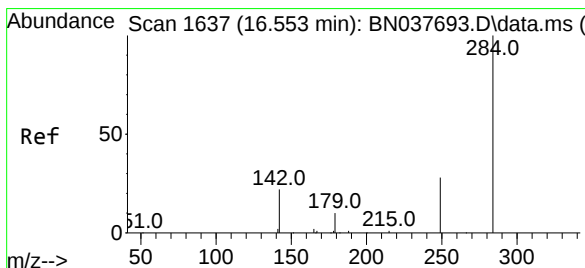
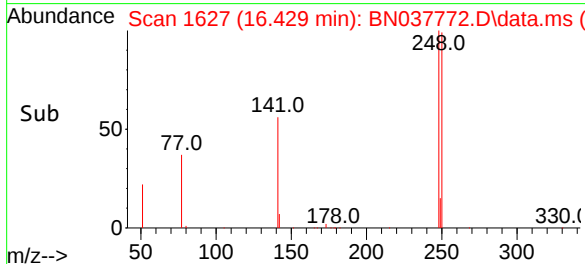
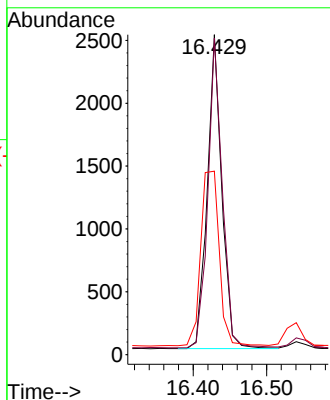
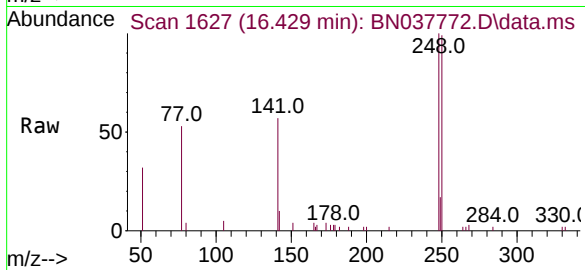




#21  
4-Bromophenyl-phenylether  
Concen: 0.362 ng  
RT: 16.429 min Scan# 1627  
Delta R.T. -0.012 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

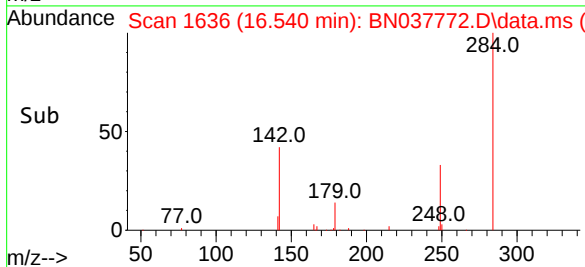
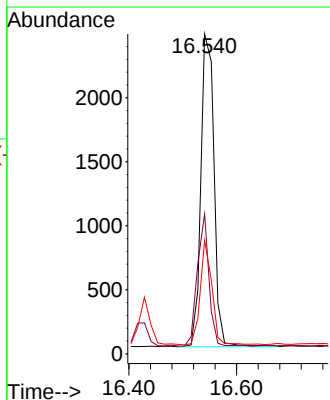
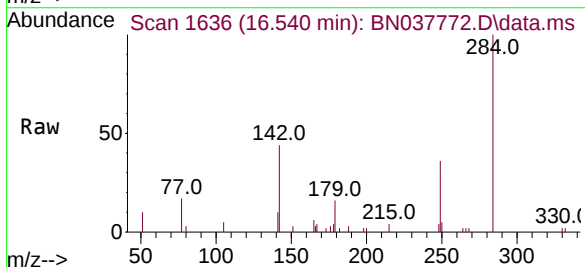
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MS

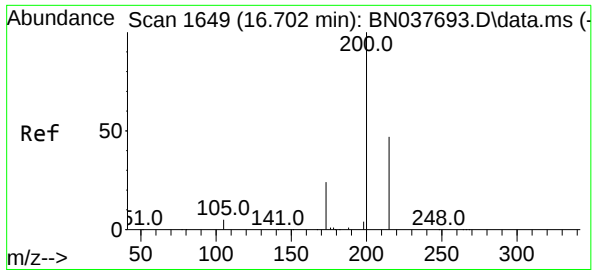
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 98.9  | 81.5  | 122.3 |
| 141     | 57.3  | 30.8  | 46.2  |



#22  
Hexachlorobenzene  
Concen: 0.380 ng  
RT: 16.540 min Scan# 1636  
Delta R.T. -0.012 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 37.0  | 30.9  | 46.3  |
| 249     | 29.4  | 24.8  | 37.2  |





#23

Atrazine

Concen: 0.417 ng

RT: 16.689 min Scan# 1648

Delta R.T. -0.012 min

Lab File: BN037772.D

Acq: 18 Sep 2025 11:48

Instrument :

BNA\_N

ClientSampleId :

RE103D2-20250911MS

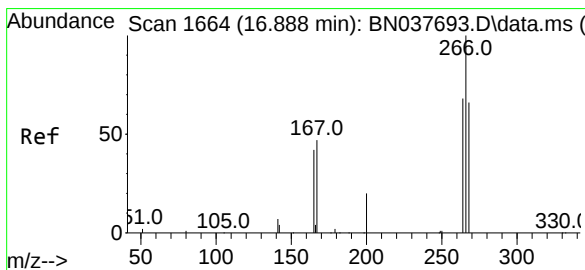
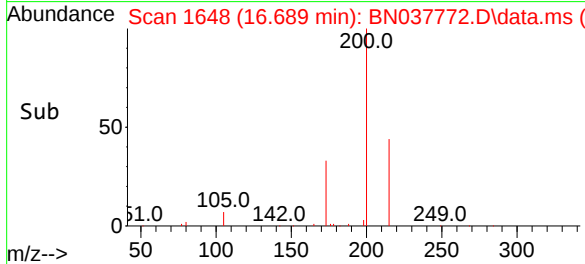
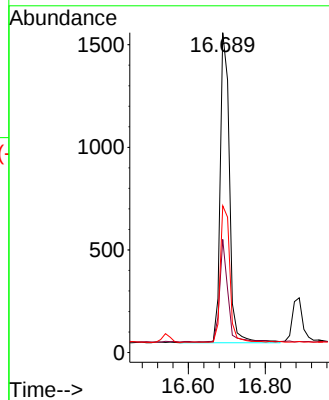
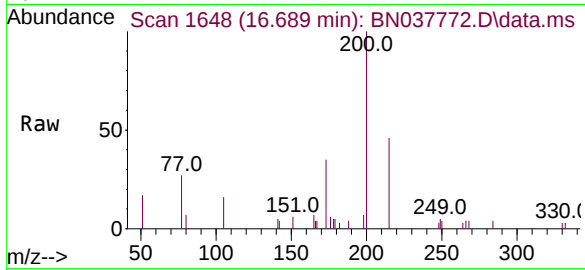
Tgt Ion:200 Resp: 2516

Ion Ratio Lower Upper

200 100

173 35.3 21.4 32.2#

215 45.9 39.2 58.8



#24

Pentachlorophenol

Concen: 0.712 ng

RT: 16.888 min Scan# 1664

Delta R.T. 0.000 min

Lab File: BN037772.D

Acq: 18 Sep 2025 11:48

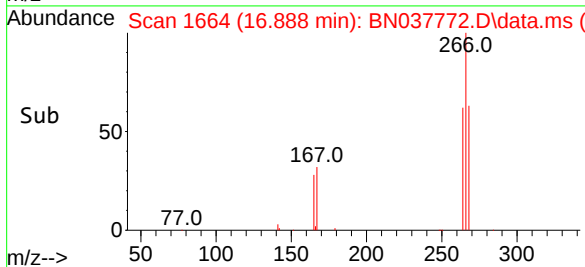
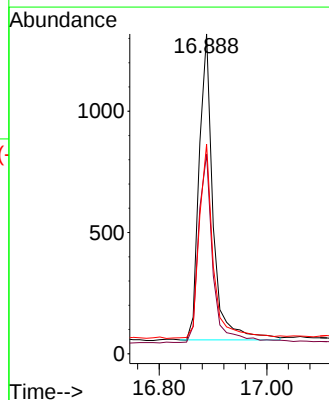
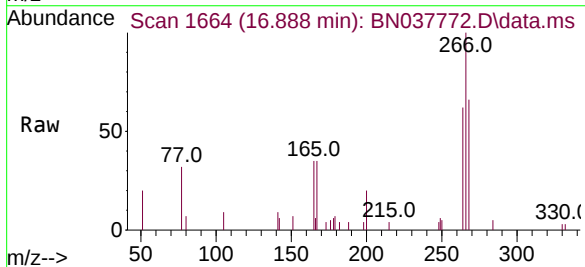
Tgt Ion:266 Resp: 2259

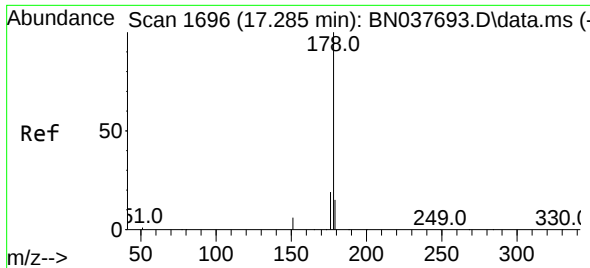
Ion Ratio Lower Upper

266 100

264 64.1 51.6 77.4

268 62.9 53.2 79.8

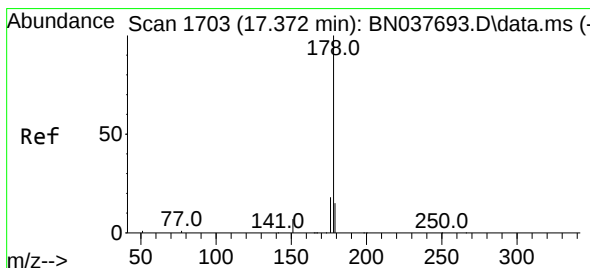
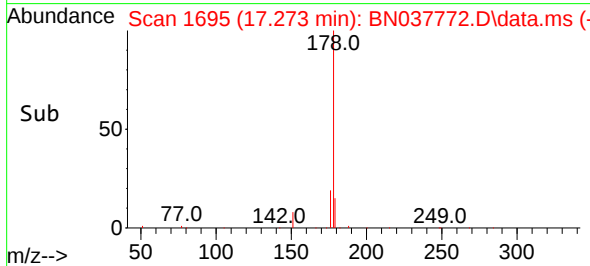
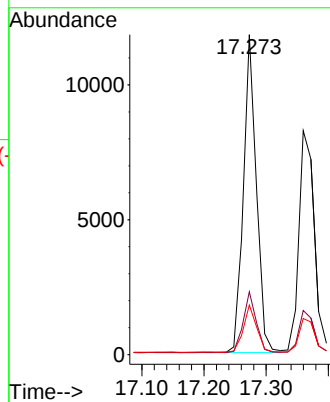
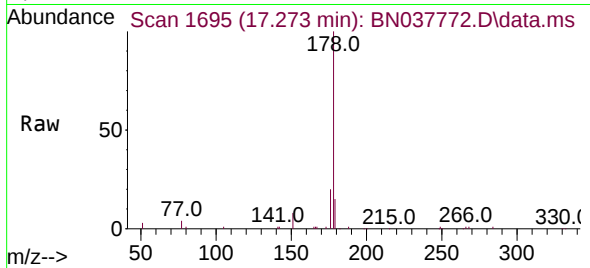




#25  
Phenanthrene  
Concen: 0.372 ng  
RT: 17.273 min Scan# 1695  
Delta R.T. -0.012 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

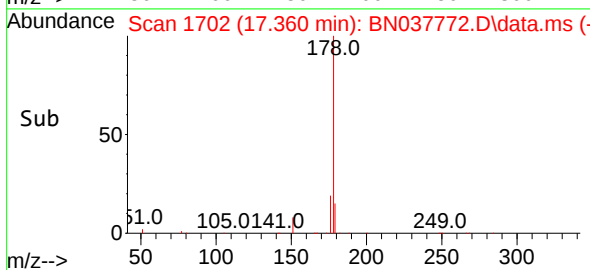
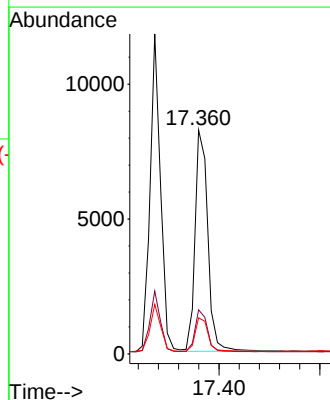
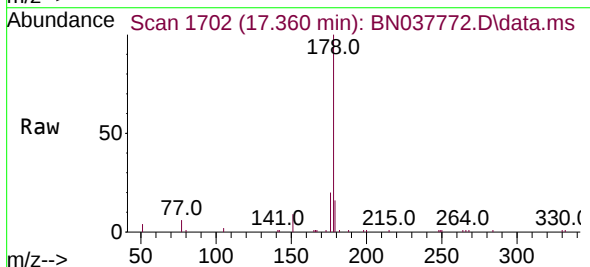
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MS

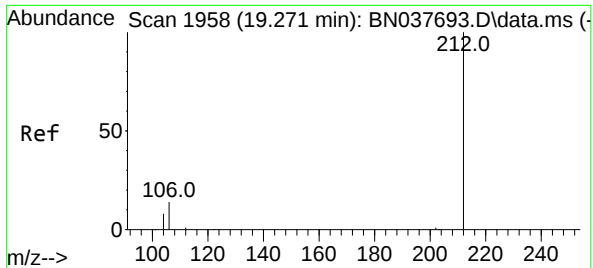
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.2  | 15.3  | 22.9  |
| 179     | 15.2  | 12.2  | 18.2  |



#26  
Anthracene  
Concen: 0.354 ng  
RT: 17.360 min Scan# 1702  
Delta R.T. -0.012 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.4  | 14.6  | 22.0  |
| 179     | 15.2  | 12.2  | 18.4  |





#27

Fluoranthene-d10

Concen: 0.347 ng

RT: 19.262 min Scan# 1958

Delta R.T. -0.009 min

Lab File: BN037772.D

Acq: 18 Sep 2025 11:48

Instrument :

BNA\_N

ClientSampleId :

RE103D2-20250911MS

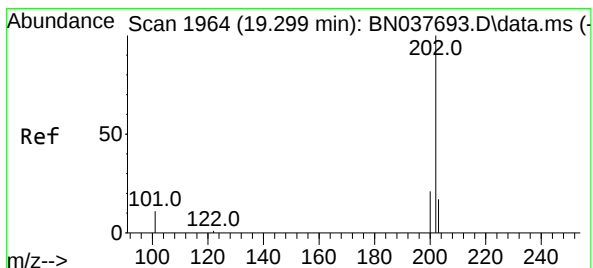
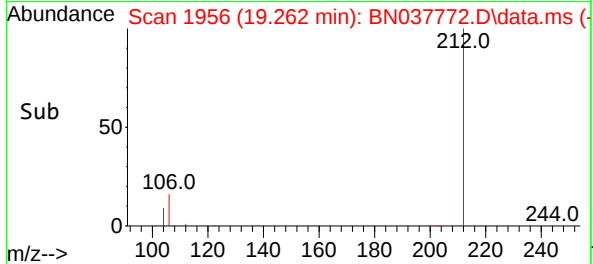
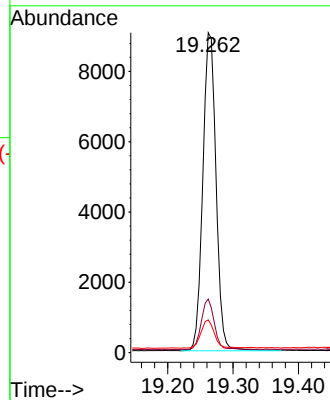
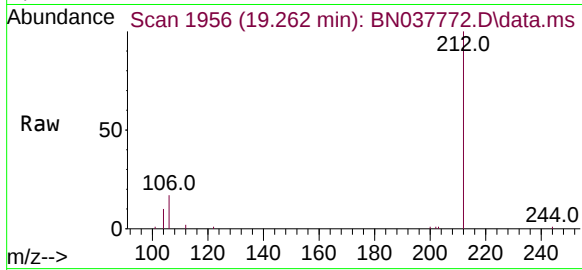
Tgt Ion:212 Resp: 12673

Ion Ratio Lower Upper

212 100

106 15.9 12.2 18.2

104 9.1 6.9 10.3



#28

Fluoranthene

Concen: 0.360 ng

RT: 19.294 min Scan# 1963

Delta R.T. -0.005 min

Lab File: BN037772.D

Acq: 18 Sep 2025 11:48

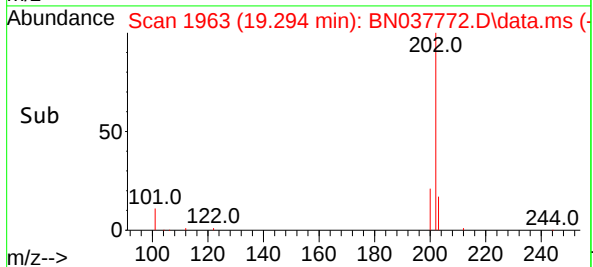
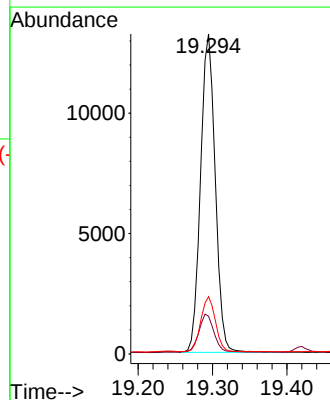
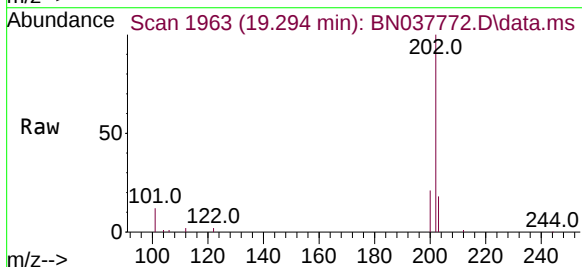
Tgt Ion:202 Resp: 18098

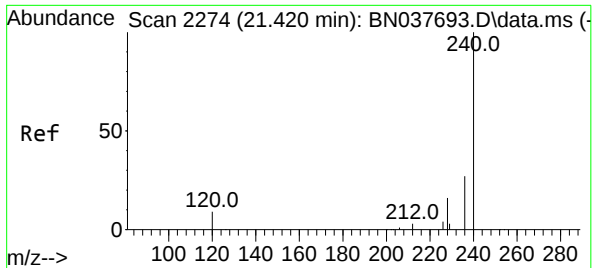
Ion Ratio Lower Upper

202 100

101 12.7 9.3 13.9

203 17.0 13.7 20.5

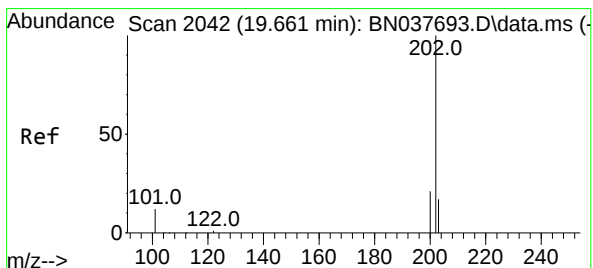
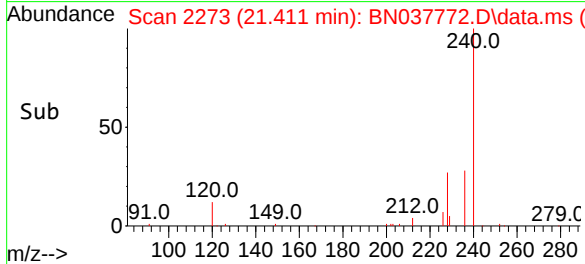
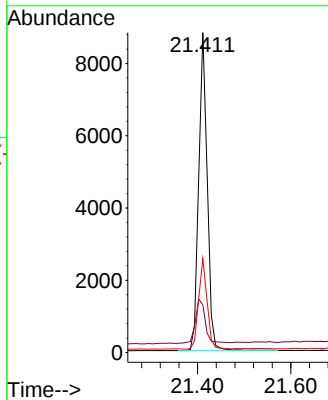
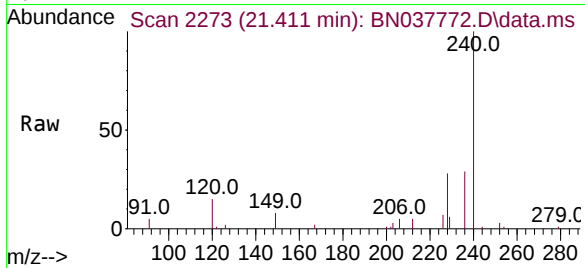




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.411 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

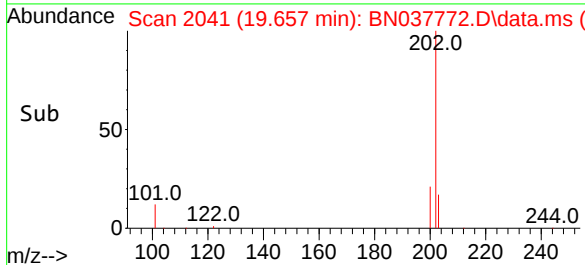
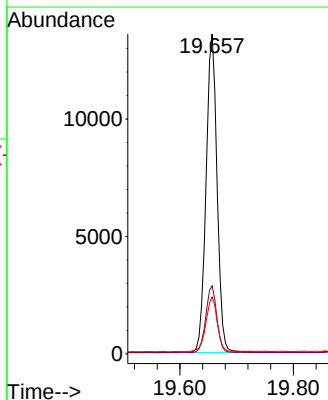
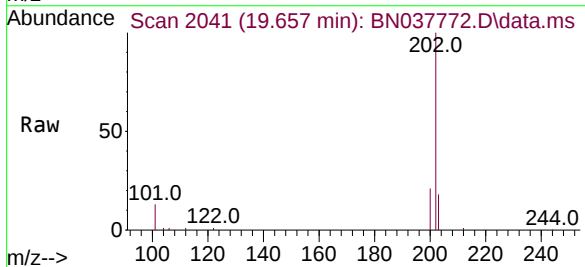
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MS

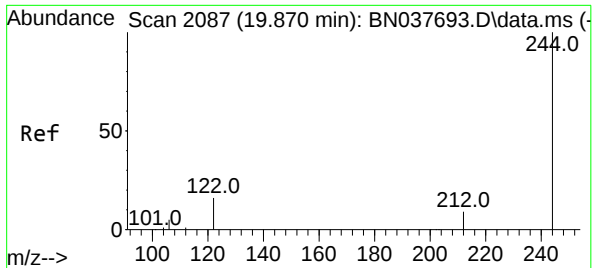
Tgt Ion:240 Resp: 11077  
Ion Ratio Lower Upper  
240 100  
120 14.9 9.2 13.8#  
236 29.4 22.6 33.8



#30  
Pyrene  
Concen: 0.420 ng  
RT: 19.657 min Scan# 2041  
Delta R.T. -0.005 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

Tgt Ion:202 Resp: 18207  
Ion Ratio Lower Upper  
202 100  
200 21.0 16.8 25.2  
203 17.6 14.3 21.5

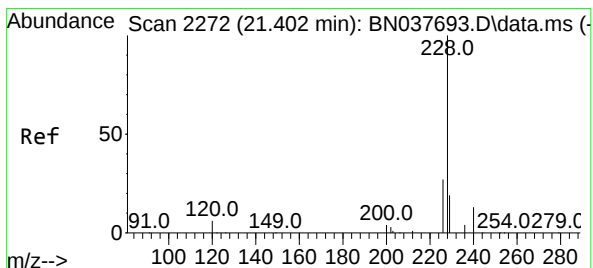
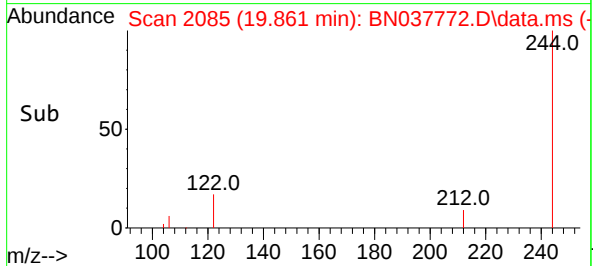
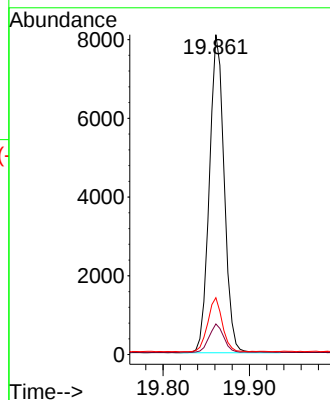
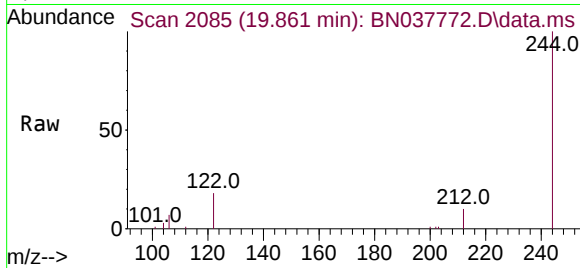




#31  
Terphenyl-d14  
Concen: 0.428 ng  
RT: 19.861 min Scan# 2085  
Delta R.T. -0.009 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

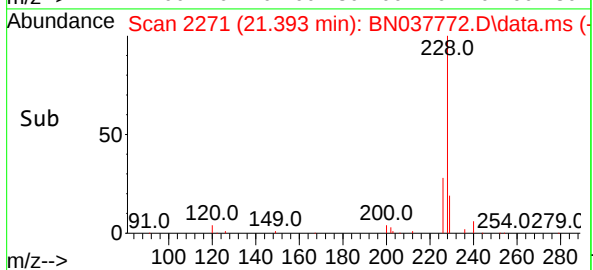
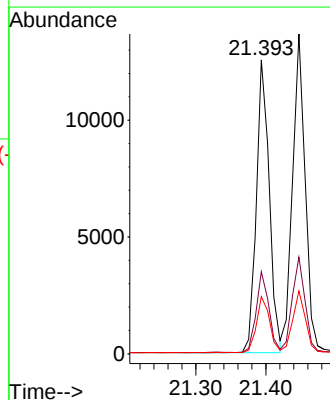
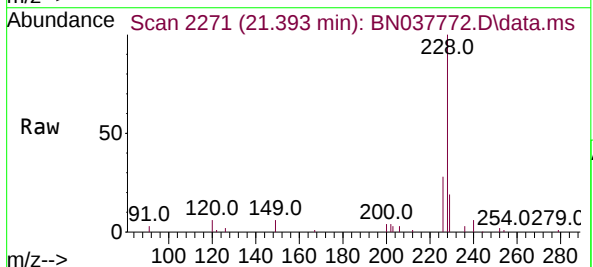
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MS

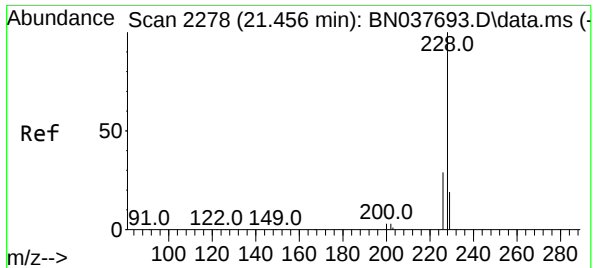
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.6   | 7.5   | 11.3  |
| 122     | 17.8  | 13.2  | 19.8  |



#32  
Benzo(a)anthracene  
Concen: 0.416 ng  
RT: 21.393 min Scan# 2271  
Delta R.T. -0.009 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 28.0  | 22.2  | 33.2  |
| 229     | 19.5  | 15.8  | 23.6  |

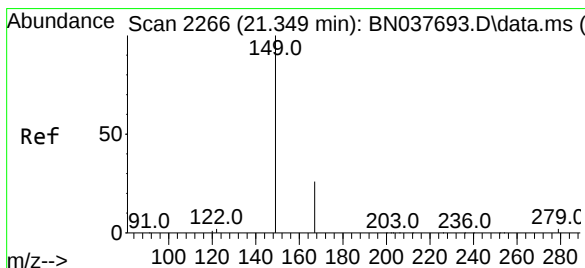
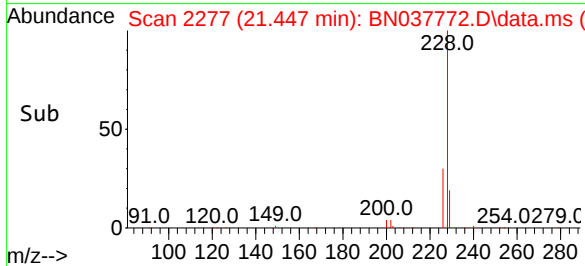
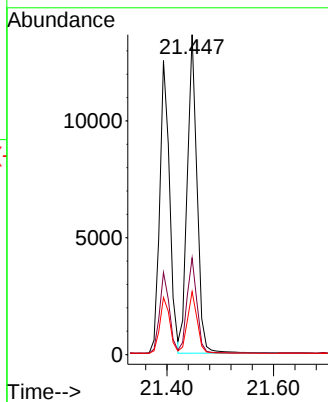
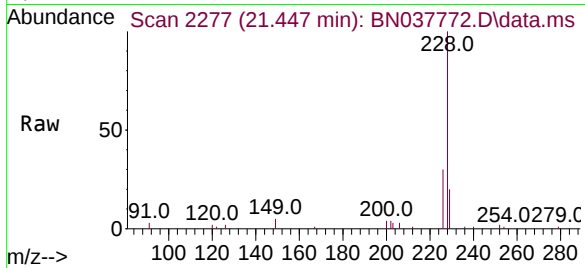




#33  
Chrysene  
Concen: 0.419 ng  
RT: 21.447 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

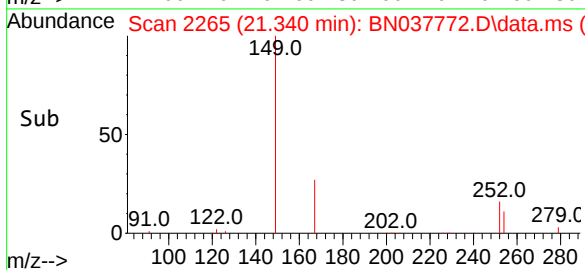
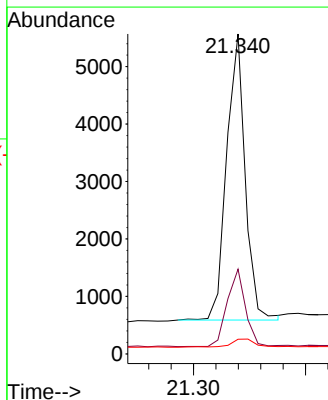
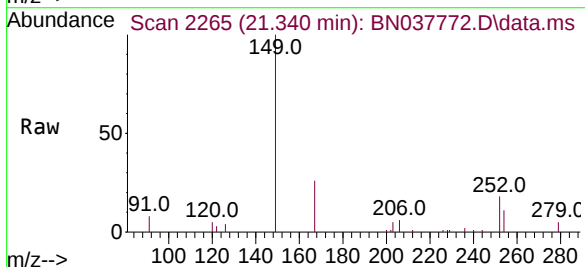
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MS

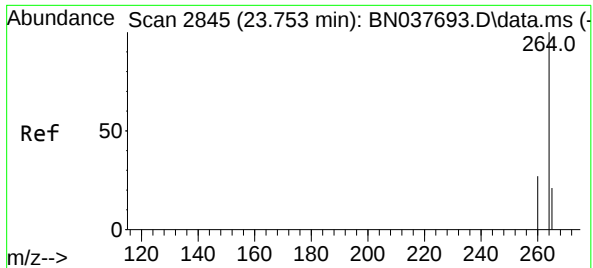
| Tgt Ion   | 228   | 226  | 229  |
|-----------|-------|------|------|
| Resp:     | 17366 |      |      |
| Ion Ratio | 100   | 30.2 | 19.7 |
| Lower     |       | 23.5 | 15.9 |
| Upper     |       | 35.3 | 23.9 |



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.500 ng  
RT: 21.340 min Scan# 2265  
Delta R.T. -0.009 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

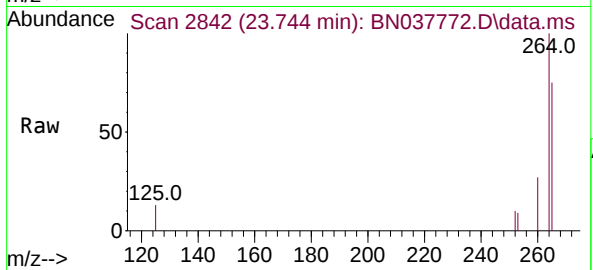
| Tgt Ion   | 149  | 167  | 279 |
|-----------|------|------|-----|
| Resp:     | 5730 |      |     |
| Ion Ratio | 100  | 26.9 | 4.0 |
| Lower     |      | 20.8 | 3.3 |
| Upper     |      | 31.2 | 4.9 |



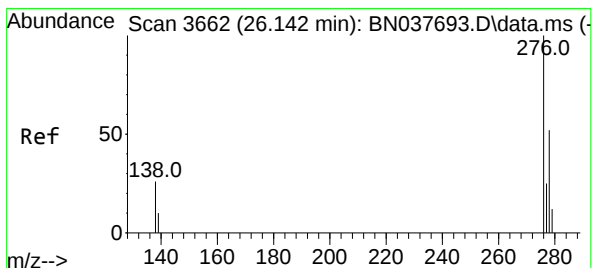
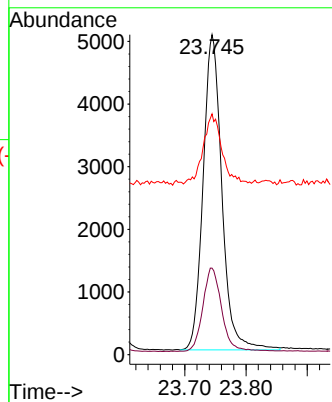
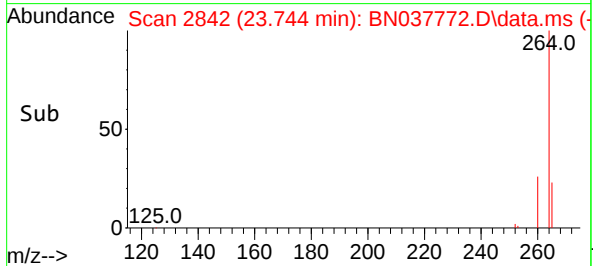


#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.744 min Scan# 2842  
Delta R.T. -0.009 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MS

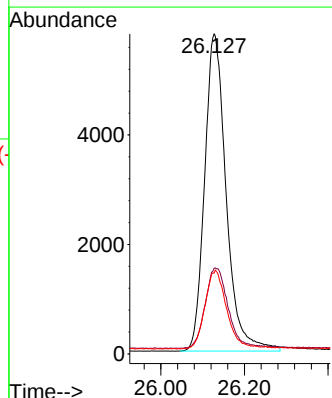
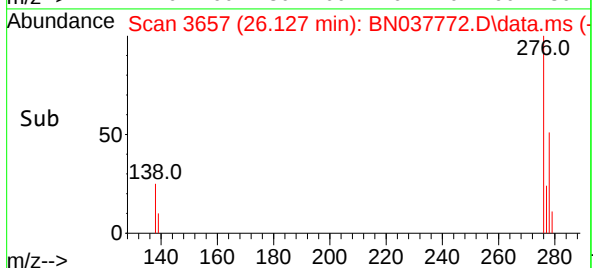
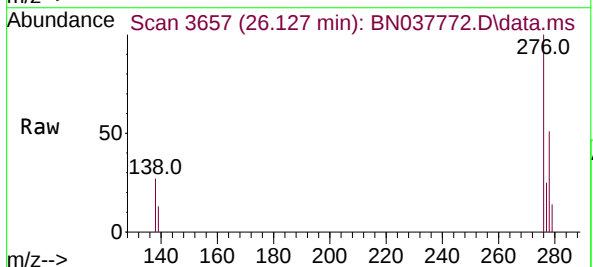


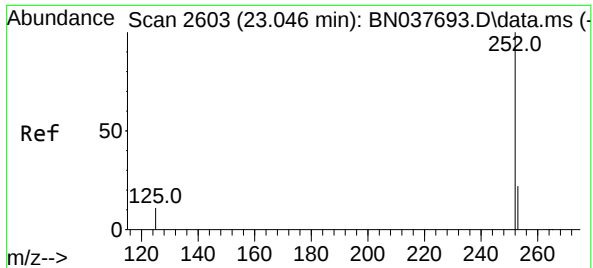
Tgt Ion:264 Resp: 10712  
Ion Ratio Lower Upper  
264 100  
260 27.0 21.8 32.8  
265 75.2 39.4 59.2#



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.462 ng  
RT: 26.127 min Scan# 3657  
Delta R.T. -0.015 min  
Lab File: BN037772.D  
Acq: 18 Sep 2025 11:48

Tgt Ion:276 Resp: 20796  
Ion Ratio Lower Upper  
276 100  
138 26.7 21.9 32.9  
277 24.7 20.1 30.1





#37

Benzo(b)fluoranthene

Concen: 0.428 ng

RT: 23.037 min Scan# 2600

Delta R.T. -0.009 min

Lab File: BN037772.D

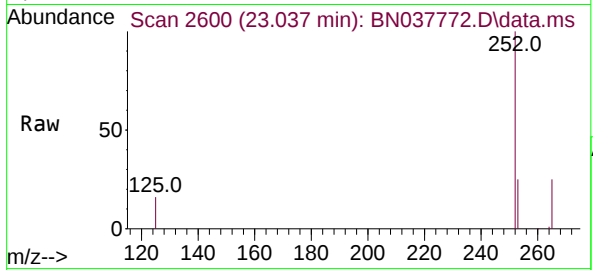
Acq: 18 Sep 2025 11:48

Instrument :

BNA\_N

ClientSampleId :

RE103D2-20250911MS



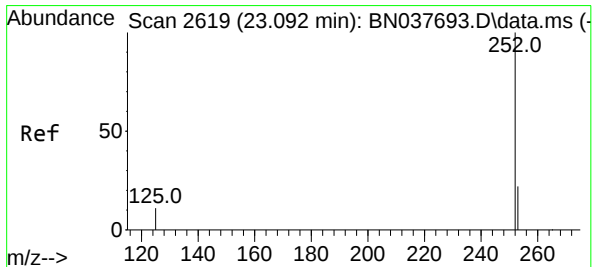
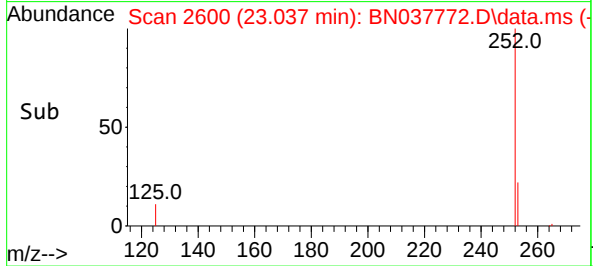
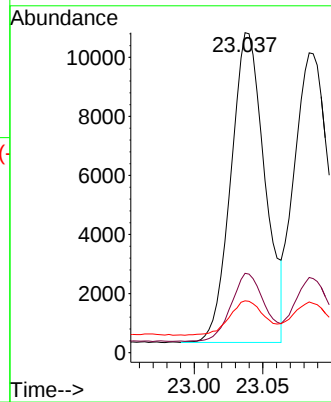
Tgt Ion:252 Resp: 18047

Ion Ratio Lower Upper

252 100

253 24.8 19.4 29.2

125 16.2 11.2 16.8



#38

Benzo(k)fluoranthene

Concen: 0.413 ng

RT: 23.084 min Scan# 2616

Delta R.T. -0.009 min

Lab File: BN037772.D

Acq: 18 Sep 2025 11:48

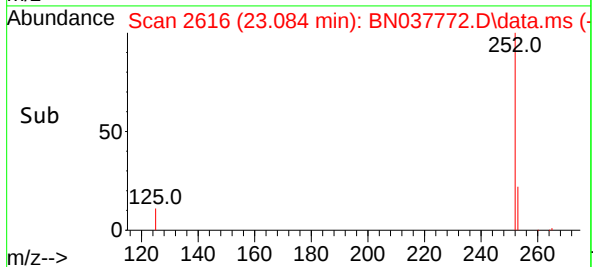
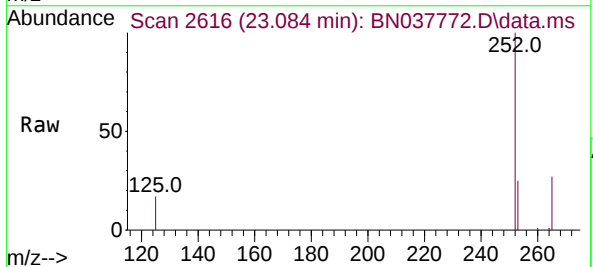
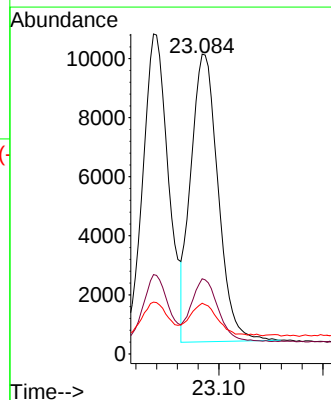
Tgt Ion:252 Resp: 17770

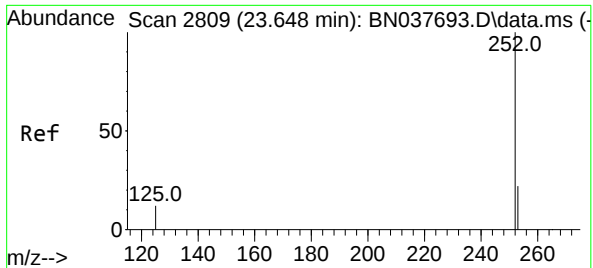
Ion Ratio Lower Upper

252 100

253 25.1 19.4 29.0

125 16.9 11.6 17.4





#39

Benzo(a)pyrene

Concen: 0.420 ng

RT: 23.642 min Scan# 2809

Delta R.T. -0.006 min

Lab File: BN037772.D

Acq: 18 Sep 2025 11:48

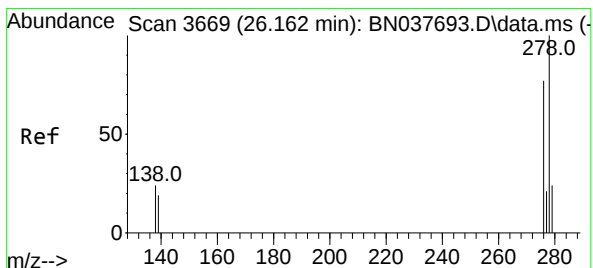
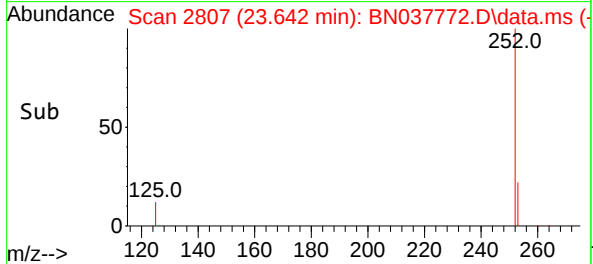
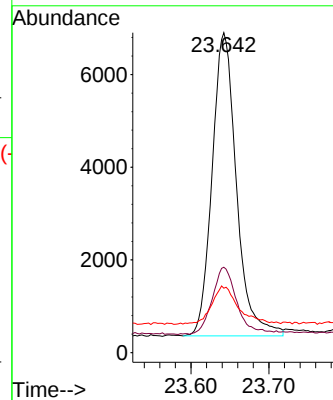
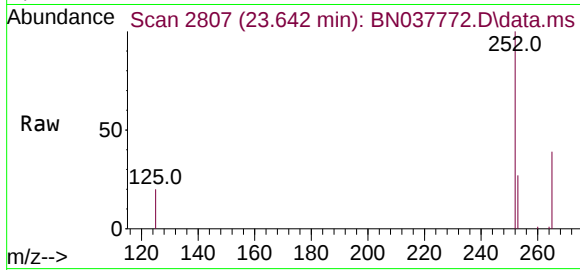
Instrument :

BNA\_N

ClientSampleId :

RE103D2-20250911MS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 252   | Resp: | 14195 |
| Ion      | Ratio | Lower | Upper |
| 252      | 100   |       |       |
| 253      | 26.7  | 20.8  | 31.2  |
| 125      | 20.1  | 13.9  | 20.9  |



#40

Dibenzo(a,h)anthracene

Concen: 0.458 ng

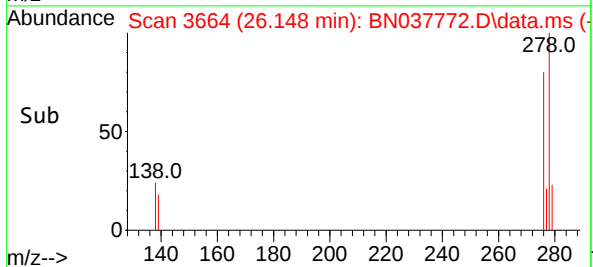
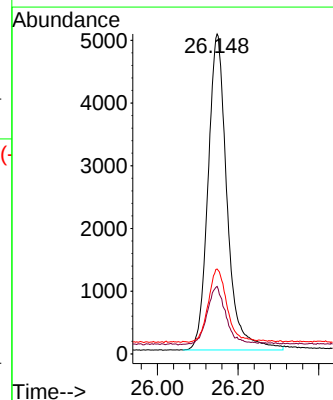
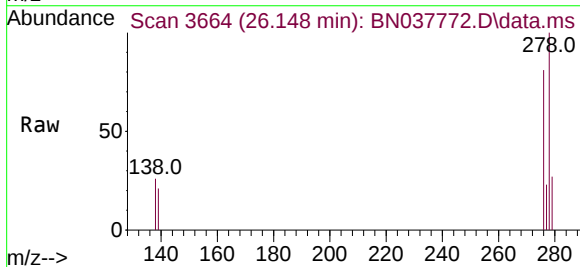
RT: 26.148 min Scan# 3664

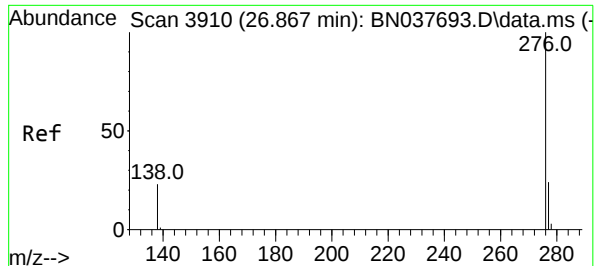
Delta R.T. -0.015 min

Lab File: BN037772.D

Acq: 18 Sep 2025 11:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 278   | Resp: | 16460 |
| Ion      | Ratio | Lower | Upper |
| 278      | 100   |       |       |
| 139      | 21.1  | 17.8  | 26.6  |
| 279      | 26.5  | 22.0  | 33.0  |





#41

Benzo(g,h,i)perylene

Concen: 0.435 ng

RT: 26.855 min Scan# 39

Delta R.T. -0.012 min

Lab File: BN037772.D

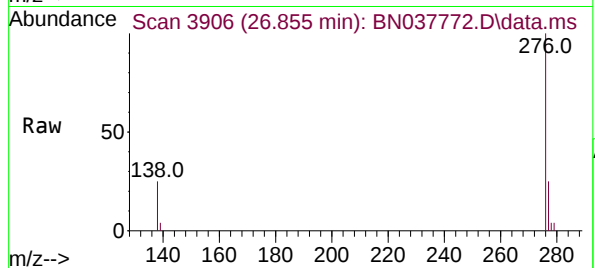
Acq: 18 Sep 2025 11:48

Instrument :

BNA\_N

ClientSampleId :

RE103D2-20250911MS



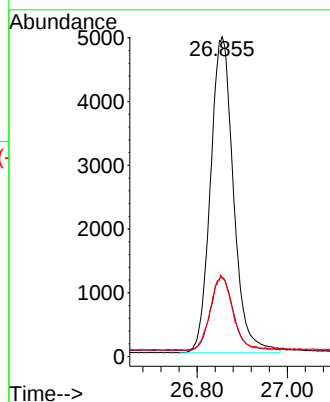
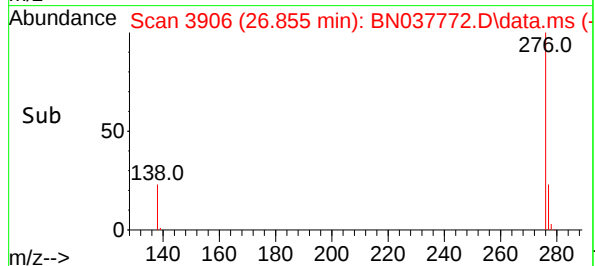
Tgt Ion:276 Resp: 17542

Ion Ratio Lower Upper

276 100

277 24.8 20.6 31.0

138 24.5 20.2 30.2



## Report of Analysis

|                    |                        |                 |              |
|--------------------|------------------------|-----------------|--------------|
| Client:            | G Environmental        | Date Collected: | 09/11/25     |
| Project:           | Blanchard              | Date Received:  | 09/12/25     |
| Client Sample ID:  | RE103D2-20250911MSD    | SDG No.:        | Q3083        |
| Lab Sample ID:     | Q3097-03MSD            | Matrix:         | Water        |
| Analytical Method: | SW8270ESIM             | % Solid:        | 0            |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000      uL |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOC-SIM     |
| Extraction Type :  | Decanted :    N        | Level :         | LOW          |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N      PH :  |
| Prep Method :      |                        |                 |              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037773.D        | 1         | 09/15/25 12:00 | 09/18/25 12:25 | PB169693      |

| CAS Number                | Parameter               | Conc. | Qualifier | MDL                 | LOQ / CRQL | Units    |
|---------------------------|-------------------------|-------|-----------|---------------------|------------|----------|
| <b>TARGETS</b>            |                         |       |           |                     |            |          |
| 91-20-3                   | Naphthalene             | 0.32  |           | 0.040               | 0.10       | ug/L     |
| 208-96-8                  | Acenaphthylene          | 0.34  |           | 0.040               | 0.10       | ug/L     |
| 83-32-9                   | Acenaphthene            | 0.32  |           | 0.040               | 0.10       | ug/L     |
| 86-73-7                   | Fluorene                | 0.31  |           | 0.040               | 0.10       | ug/L     |
| 85-01-8                   | Phenanthrene            | 0.38  |           | 0.030               | 0.10       | ug/L     |
| 120-12-7                  | Anthracene              | 0.36  |           | 0.040               | 0.10       | ug/L     |
| 206-44-0                  | Fluoranthene            | 0.38  |           | 0.030               | 0.10       | ug/L     |
| 129-00-0                  | Pyrene                  | 0.40  |           | 0.030               | 0.10       | ug/L     |
| 56-55-3                   | Benzo(a)anthracene      | 0.41  |           | 0.040               | 0.10       | ug/L     |
| 218-01-9                  | Chrysene                | 0.42  |           | 0.040               | 0.10       | ug/L     |
| 205-99-2                  | Benzo(b)fluoranthene    | 0.42  |           | 0.040               | 0.10       | ug/L     |
| 207-08-9                  | Benzo(k)fluoranthene    | 0.42  |           | 0.050               | 0.10       | ug/L     |
| 50-32-8                   | Benzo(a)pyrene          | 0.43  |           | 0.040               | 0.10       | ug/L     |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene  | 0.47  |           | 0.050               | 0.10       | ug/L     |
| 53-70-3                   | Dibenzo(a,h)anthracene  | 0.46  |           | 0.050               | 0.10       | ug/L     |
| 191-24-2                  | Benzo(g,h,i)perylene    | 0.43  |           | 0.040               | 0.10       | ug/L     |
| <b>SURROGATES</b>         |                         |       |           |                     |            |          |
| 7297-45-2                 | 2-Methylnaphthalene-d10 | 0.28  |           | 30 (20) - 150 (139) | 70%        | SPK: 0.4 |
| 93951-69-0                | Fluoranthene-d10        | 0.36  |           | 30 (54) - 150 (157) | 90%        | SPK: 0.4 |
| 4165-60-0                 | Nitrobenzene-d5         | 0.33  |           | 30 (27) - 130 (154) | 82%        | SPK: 0.4 |
| 321-60-8                  | 2-Fluorobiphenyl        | 0.31  |           | 30 (30) - 130 (155) | 76%        | SPK: 0.4 |
| 1718-51-0                 | Terphenyl-d14           | 0.41  |           | 30 (54) - 130 (175) | 101%       | SPK: 0.4 |
| <b>INTERNAL STANDARDS</b> |                         |       |           |                     |            |          |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4  | 7160  | 7.833     |                     |            |          |
| 1146-65-2                 | Naphthalene-d8          | 19100 | 10.637    |                     |            |          |
| 15067-26-2                | Acenaphthene-d10        | 8490  | 14.484    |                     |            |          |
| 1517-22-2                 | Phenanthrene-d10        | 14200 | 17.235    |                     |            |          |
| 1719-03-5                 | Chrysene-d12            | 12000 | 21.411    |                     |            |          |
| 1520-96-3                 | Perylene-d12            | 11700 | 23.747    |                     |            |          |

## Report of Analysis

|                    |                        |                 |                              |
|--------------------|------------------------|-----------------|------------------------------|
| Client:            | G Environmental        | Date Collected: | 09/11/25                     |
| Project:           | Blanchard              | Date Received:  | 09/12/25                     |
| Client Sample ID:  | RE103D2-20250911MSD    | SDG No.:        | Q3083                        |
| Lab Sample ID:     | Q3097-03MSD            | Matrix:         | Water                        |
| Analytical Method: | SW8270ESIM             | % Solid:        | 0                            |
| Sample Wt/Vol:     | 1000      Units:    mL | Final Vol:      | 1000                      uL |
| Soil Aliquot Vol:  | uL                     | Test:           | SVOC-SIM                     |
| Extraction Type :  | Decanted :      N      | Level :         | LOW                          |
| Injection Volume : | GPC Factor :    1.0    | GPC Cleanup :   | N                      PH :  |
| Prep Method :      |                        |                 |                              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BN037773.D        | 1         | 09/15/25 12:00 | 09/18/25 12:25 | PB169693      |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091725\  
 Data File : BN037773.D  
 Acq On : 18 Sep 2025 12:25  
 Operator : RC/JU  
 Sample : Q3097-03MSD  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 RE103D2-20250911MSD

Quant Time: Sep 18 12:59:32 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Sep 11 14:20:01 2025  
 Response via : Initial Calibration

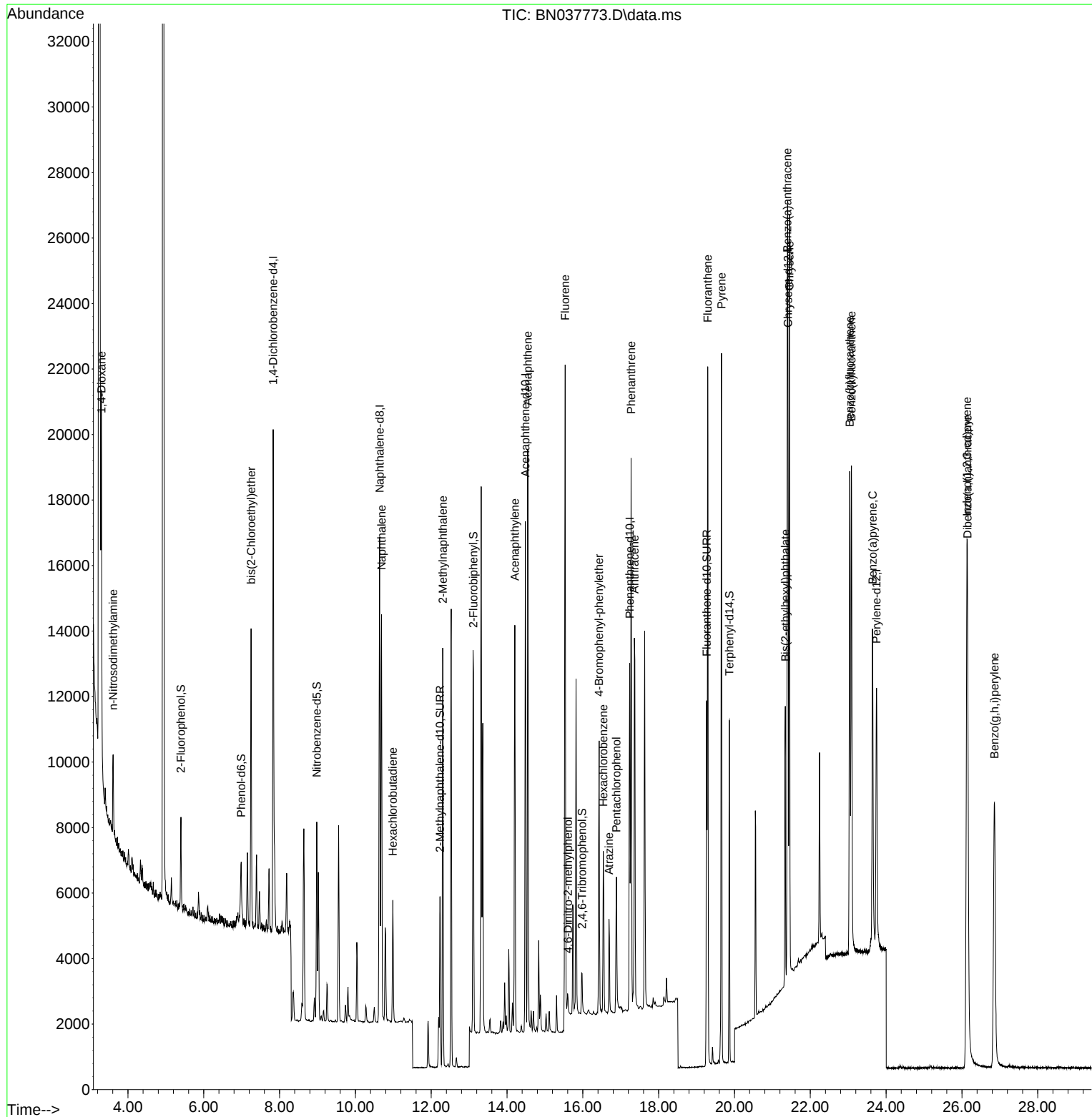
| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| -----                         |        |      |          |       |       |          |
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.833  | 152  | 7159     | 0.400 | ng    | 0.00     |
| 7) Naphthalene-d8             | 10.637 | 136  | 19099    | 0.400 | ng    | -0.01    |
| 13) Acenaphthene-d10          | 14.484 | 164  | 8494     | 0.400 | ng    | -0.01    |
| 19) Phenanthrene-d10          | 17.235 | 188  | 14218    | 0.400 | ng    | # 0.00   |
| 29) Chrysene-d12              | 21.411 | 240  | 11982    | 0.400 | ng    | # 0.00   |
| 35) Perylene-d12              | 23.747 | 264  | 11726    | 0.400 | ng    | # 0.00   |
|                               |        |      |          |       |       |          |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) 2-Fluorophenol             | 5.399  | 112  | 2162     | 0.132 | ng    | 0.00     |
| 5) Phenol-d6                  | 6.988  | 99   | 1603     | 0.075 | ng    | 0.00     |
| 8) Nitrobenzene-d5            | 8.982  | 82   | 4572     | 0.327 | ng    | -0.01    |
| 11) 2-Methylnaphthalene-d10   | 12.232 | 152  | 7086     | 0.280 | ng    | -0.01    |
| 14) 2,4,6-Tribromophenol      | 15.982 | 330  | 876      | 0.395 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl          | 13.115 | 172  | 10884    | 0.306 | ng    | 0.00     |
| 27) Fluoranthene-d10          | 19.266 | 212  | 12926    | 0.362 | ng    | 0.00     |
| 31) Terphenyl-d14             | 19.866 | 244  | 9877     | 0.406 | ng    | 0.00     |
|                               |        |      |          |       |       |          |
| Target Compounds              |        |      |          |       |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.304  | 88   | 5455     | 0.732 | ng    | # 93     |
| 3) n-Nitrosodimethylamine     | 3.608  | 42   | 1372     | 0.141 | ng    | # 93     |
| 6) bis(2-Chloroethyl)ether    | 7.248  | 93   | 6329     | 0.332 | ng    | 100      |
| 9) Naphthalene                | 10.690 | 128  | 16829    | 0.322 | ng    | 99       |
| 10) Hexachlorobutadiene       | 10.989 | 225  | 2887     | 0.306 | ng    | # 98     |
| 12) 2-Methylnaphthalene       | 12.303 | 142  | 9108     | 0.282 | ng    | 100      |
| 16) Acenaphthylene            | 14.206 | 152  | 13370    | 0.343 | ng    | 99       |
| 17) Acenaphthene              | 14.548 | 154  | 8415     | 0.319 | ng    | 99       |
| 18) Fluorene                  | 15.535 | 166  | 10028    | 0.314 | ng    | 100      |
| 20) 4,6-Dinitro-2-methylph... | 15.609 | 198  | 468      | 0.355 | ng    | 94       |
| 21) 4-Bromophenyl-phenylether | 16.429 | 248  | 3385     | 0.365 | ng    | # 87     |
| 22) Hexachlorobenzene         | 16.540 | 284  | 3993     | 0.374 | ng    | 98       |
| 23) Atrazine                  | 16.689 | 200  | 2440     | 0.414 | ng    | # 90     |
| 24) Pentachlorophenol         | 16.888 | 266  | 2303     | 0.744 | ng    | 97       |
| 25) Phenanthrene              | 17.273 | 178  | 16893    | 0.377 | ng    | 99       |
| 26) Anthracene                | 17.359 | 178  | 14220    | 0.359 | ng    | 99       |
| 28) Fluoranthene              | 19.294 | 202  | 18446    | 0.376 | ng    | 99       |
| 30) Pyrene                    | 19.657 | 202  | 18763    | 0.400 | ng    | 100      |
| 32) Benzo(a)anthracene        | 21.393 | 228  | 17097    | 0.409 | ng    | 99       |
| 33) Chrysene                  | 21.447 | 228  | 18729    | 0.418 | ng    | 98       |
| 34) Bis(2-ethylhexyl)phtha... | 21.339 | 149  | 5916     | 0.477 | ng    | 99       |
| 36) Indeno(1,2,3-cd)pyrene    | 26.130 | 276  | 22920    | 0.465 | ng    | 99       |
| 37) Benzo(b)fluoranthene      | 23.040 | 252  | 19407    | 0.420 | ng    | 98       |
| 38) Benzo(k)fluoranthene      | 23.086 | 252  | 19956    | 0.424 | ng    | 98       |
| 39) Benzo(a)pyrene            | 23.642 | 252  | 15734    | 0.426 | ng    | 98       |
| 40) Dibenzo(a,h)anthracene    | 26.148 | 278  | 17896    | 0.455 | ng    | 97       |
| 41) Benzo(g,h,i)perylene      | 26.855 | 276  | 19134    | 0.433 | ng    | 98       |
| -----                         |        |      |          |       |       |          |

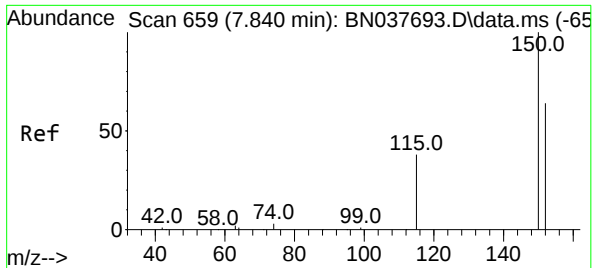
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN091725\  
Data File : BN037773.D  
Acq On : 18 Sep 2025 12:25  
Operator : RC/JU  
Sample : Q3097-03MSD  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD

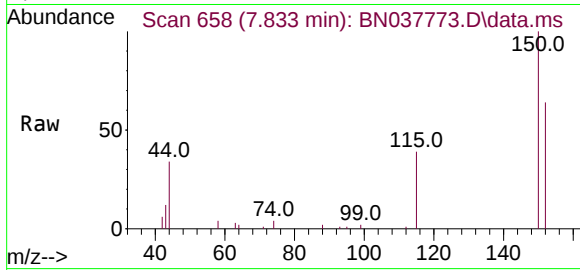
Quant Time: Sep 18 12:59:32 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\8270-SIM-BN091125.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Sep 11 14:20:01 2025  
Response via : Initial Calibration



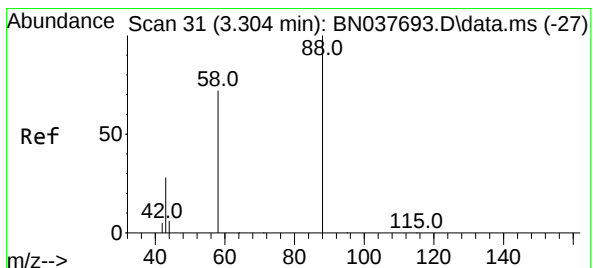
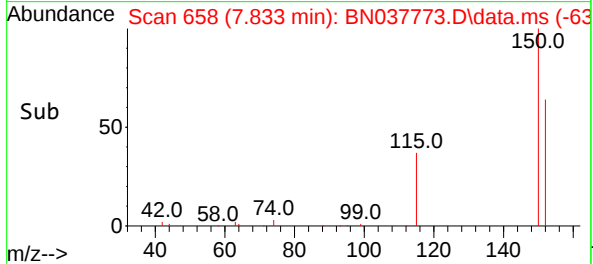
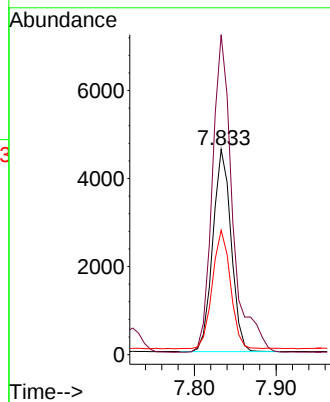


#1  
1,4-Dichlorobenzene-d4  
Concen: 0.400 ng  
RT: 7.833 min Scan# 61  
Delta R.T. -0.007 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD

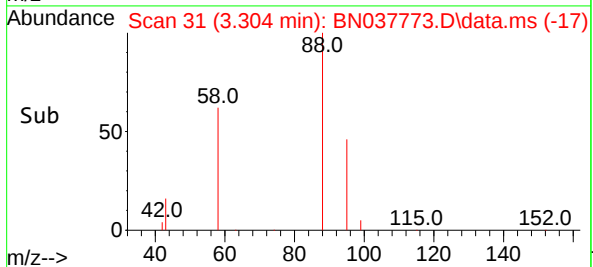
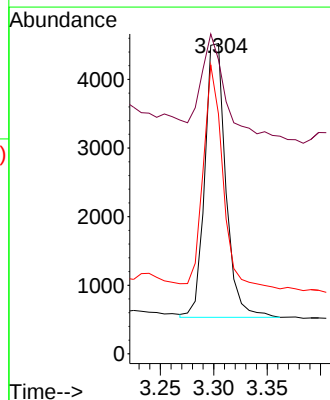
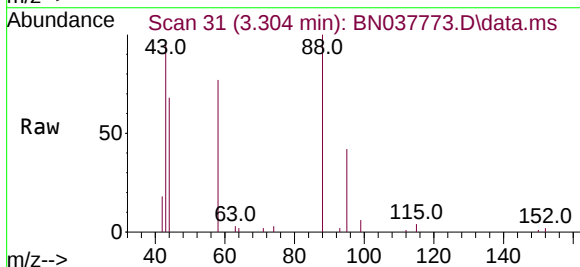


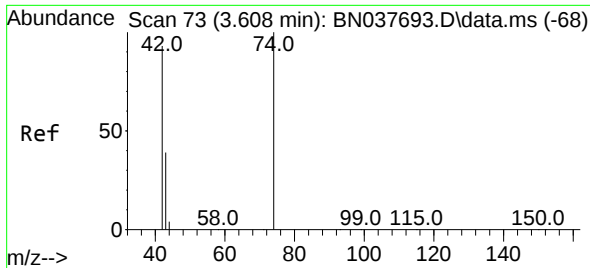
Tgt Ion:152 Resp: 7159  
Ion Ratio Lower Upper  
152 100  
150 155.9 124.5 186.7  
115 60.5 49.2 73.8



#2  
1,4-Dioxane  
Concen: 0.732 ng  
RT: 3.304 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

Tgt Ion: 88 Resp: 5455  
Ion Ratio Lower Upper  
88 100  
43 45.0 26.8 40.2#  
58 76.7 61.9 92.9

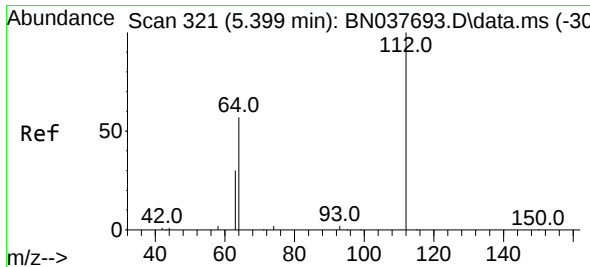
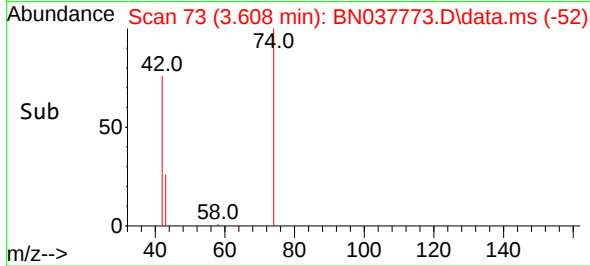
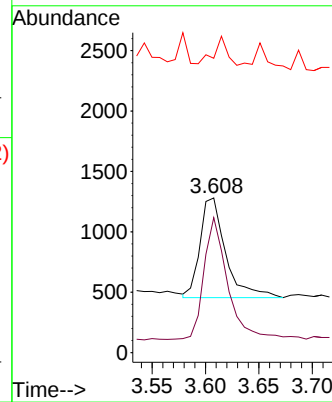
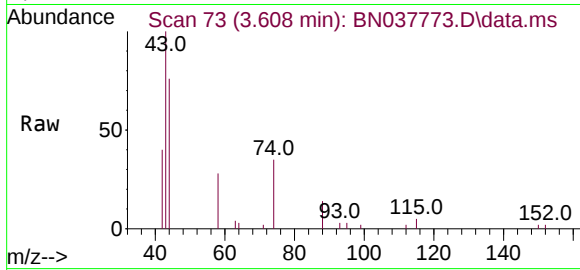




#3  
n-Nitrosodimethylamine  
Concen: 0.141 ng  
RT: 3.608 min Scan# 73  
Delta R.T. -0.000 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

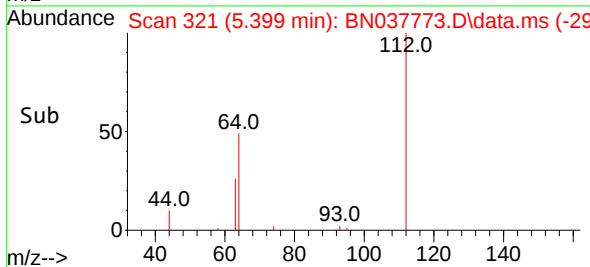
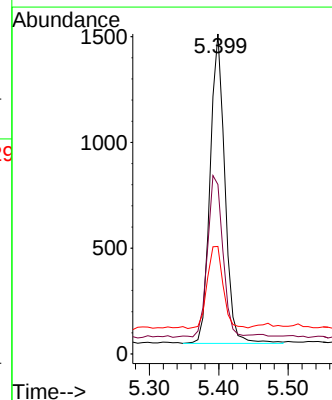
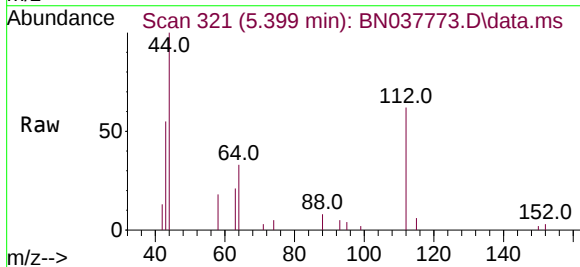
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BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD

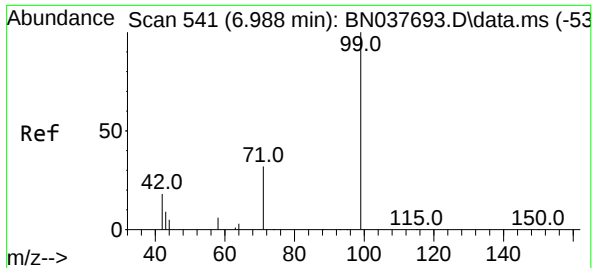
Tgt Ion: 42 Resp: 1372  
Ion Ratio Lower Upper  
42 100  
74 114.1 86.0 129.0  
44 15.3 8.4 12.6#



#4  
2-Fluorophenol  
Concen: 0.132 ng  
RT: 5.399 min Scan# 321  
Delta R.T. -0.000 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

Tgt Ion: 112 Resp: 2162  
Ion Ratio Lower Upper  
112 100  
64 54.6 44.9 67.3  
63 28.6 24.7 37.1

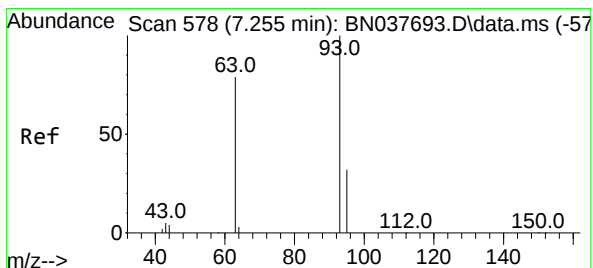
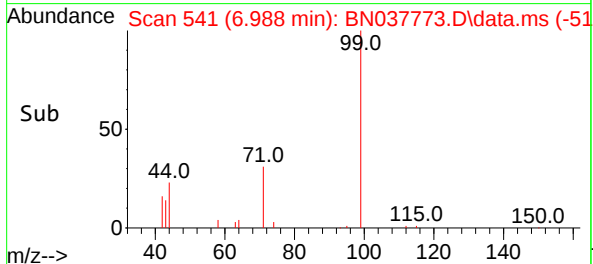
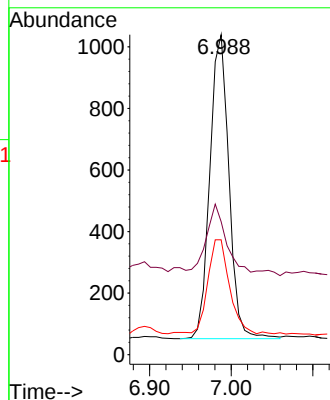
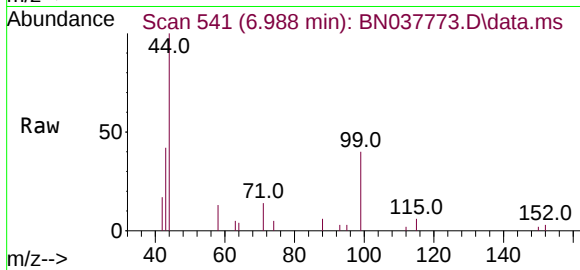




#5  
Phenol-d6  
Concen: 0.075 ng  
RT: 6.988 min Scan# 541  
Delta R.T. -0.000 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

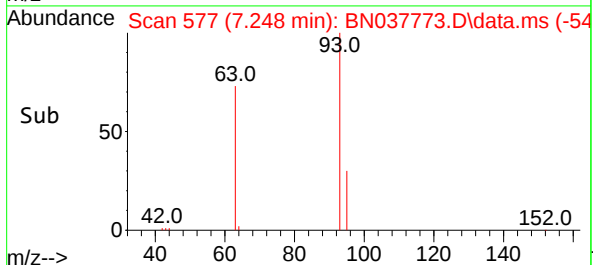
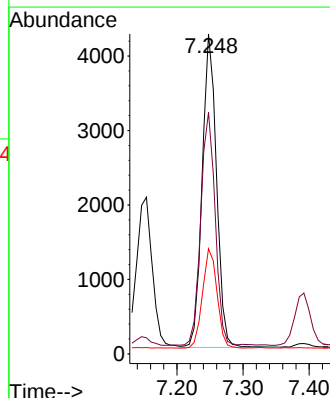
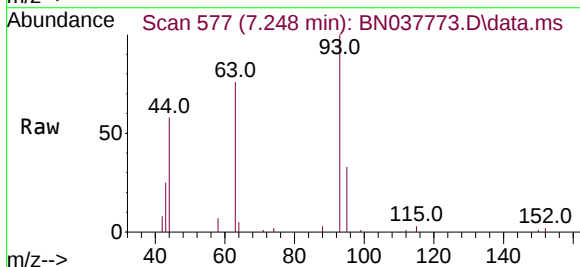
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD

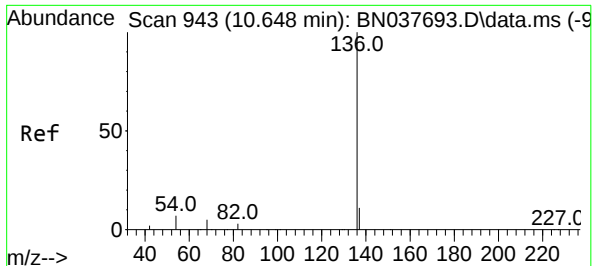
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 99      | 100   |       |       |
| 42      | 22.1  | 16.6  | 24.8  |
| 71      | 36.1  | 26.7  | 40.1  |



#6  
bis(2-Chloroethyl)ether  
Concen: 0.332 ng  
RT: 7.248 min Scan# 577  
Delta R.T. -0.007 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 75.4  | 60.6  | 90.8  |
| 95      | 32.2  | 26.0  | 39.0  |

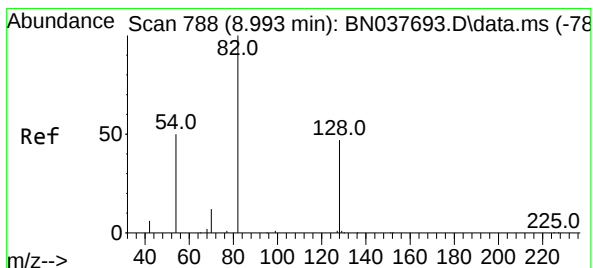
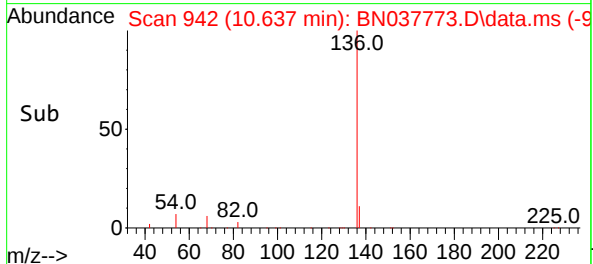
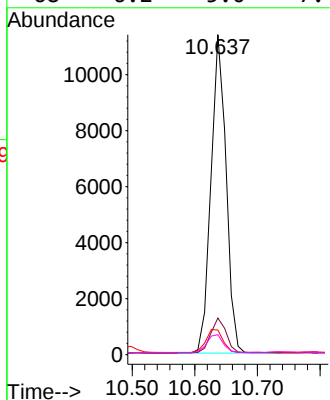
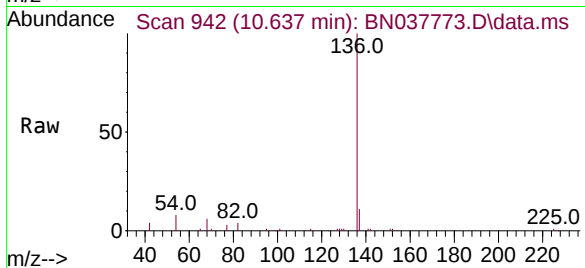




#7  
Naphthalene-d8  
Concen: 0.400 ng  
RT: 10.637 min Scan# 94  
Delta R.T. -0.011 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

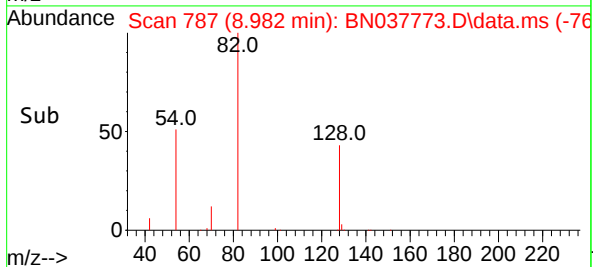
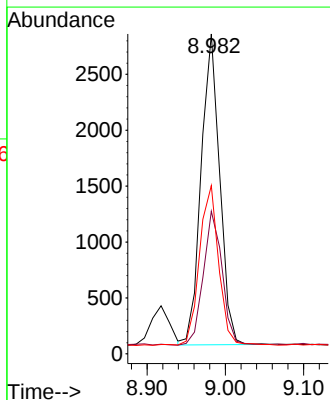
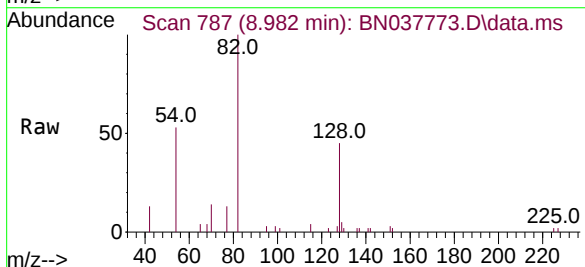
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD

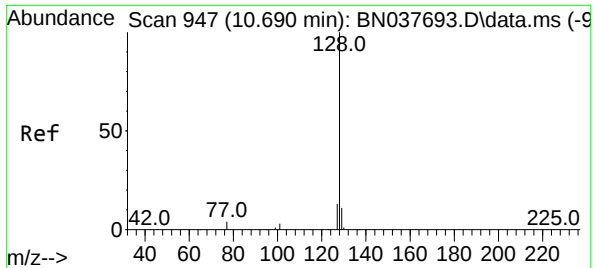
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 136   | Resp: | 19099 |
| Ion      | Ratio | Lower | Upper |
| 136      | 100   |       |       |
| 137      | 11.4  | 9.1   | 13.7  |
| 54       | 7.7   | 6.3   | 9.5   |
| 68       | 6.2   | 5.0   | 7.4   |



#8  
Nitrobenzene-d5  
Concen: 0.327 ng  
RT: 8.982 min Scan# 787  
Delta R.T. -0.011 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 82    | Resp: | 4572  |
| Ion      | Ratio | Lower | Upper |
| 82       | 100   |       |       |
| 128      | 44.6  | 38.3  | 57.5  |
| 54       | 52.6  | 41.4  | 62.2  |

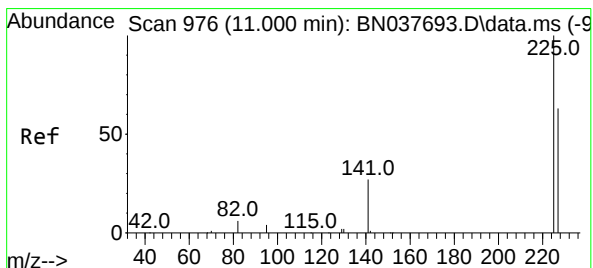
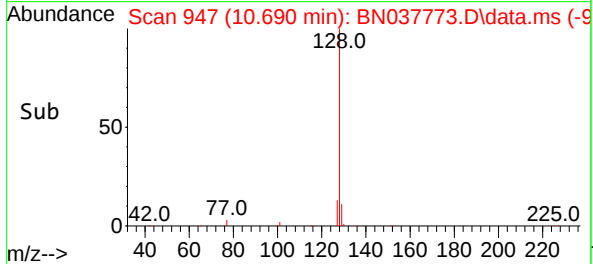
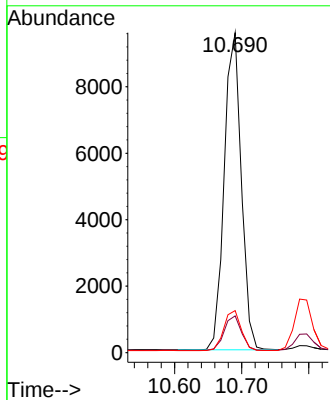
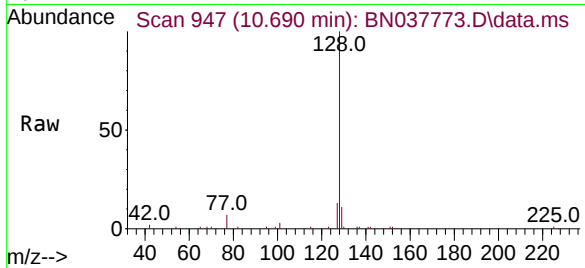




#9  
Naphthalene  
Concen: 0.322 ng  
RT: 10.690 min Scan# 94  
Delta R.T. -0.000 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

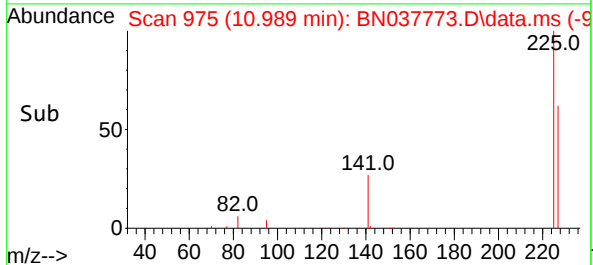
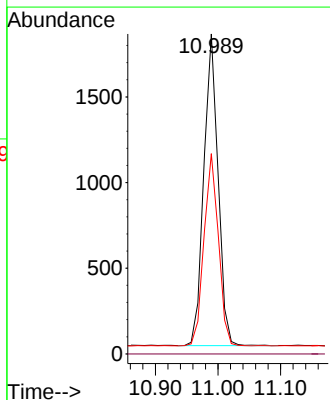
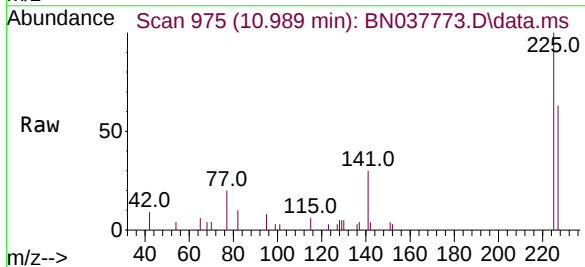
Instrument :  
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ClientSampleId :  
RE103D2-20250911MSD

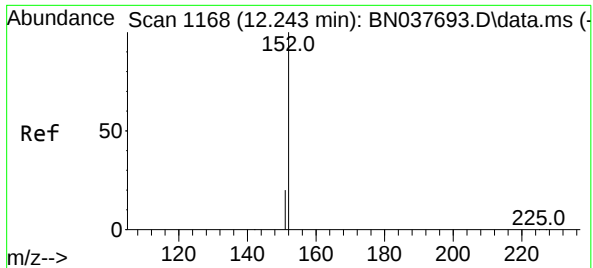
Tgt Ion:128 Resp: 16829  
Ion Ratio Lower Upper  
128 100  
129 11.5 9.1 13.7  
127 13.1 10.9 16.3



#10  
Hexachlorobutadiene  
Concen: 0.306 ng  
RT: 10.989 min Scan# 975  
Delta R.T. -0.011 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

Tgt Ion:225 Resp: 2887  
Ion Ratio Lower Upper  
225 100  
223 0.0 0.0 0.0  
227 62.2 50.9 76.3

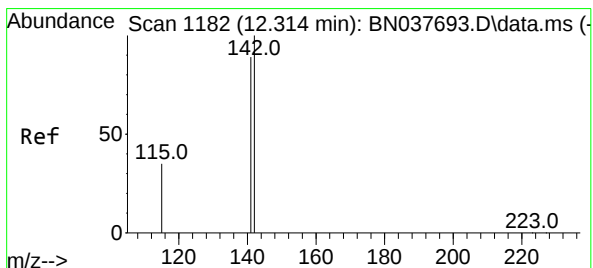
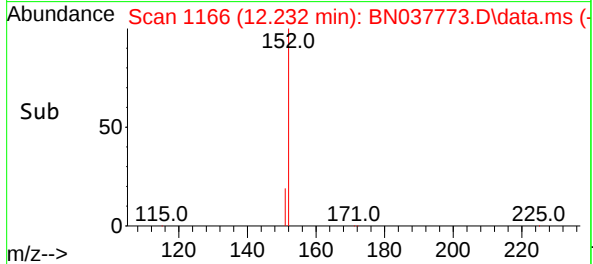
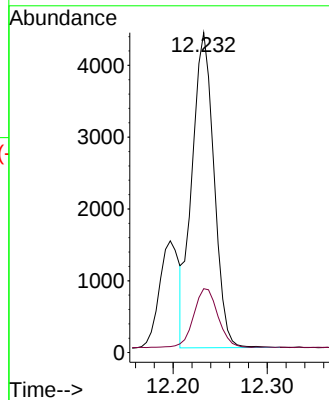
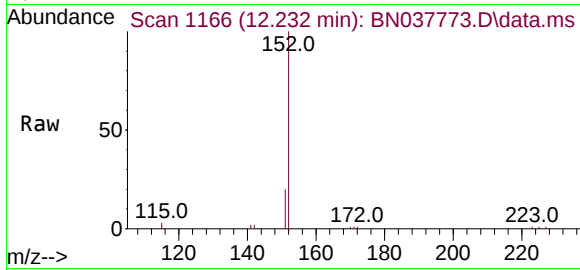




#11  
2-Methylnaphthalene-d10  
Concen: 0.280 ng  
RT: 12.232 min Scan# 1166  
Delta R.T. -0.010 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

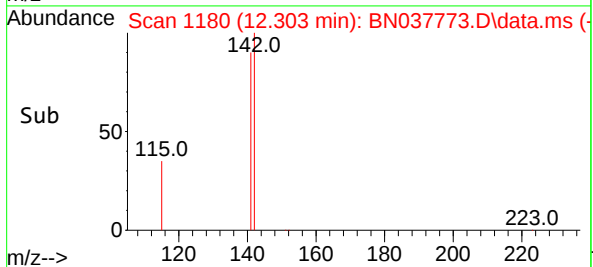
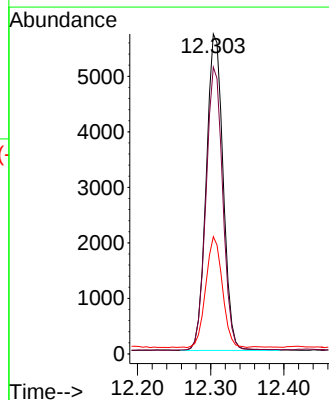
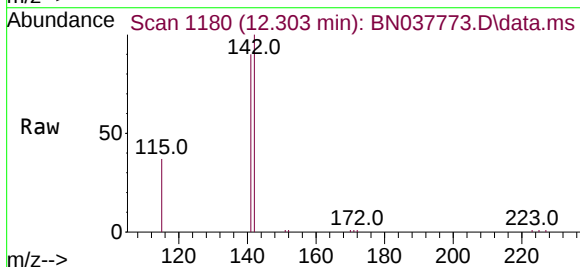
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD

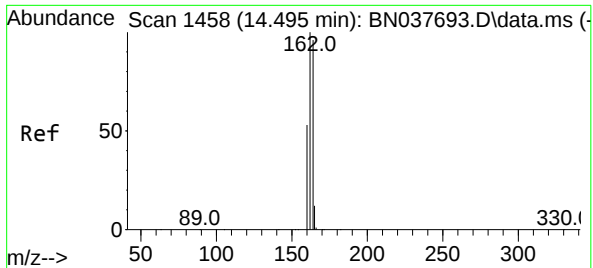
Tgt Ion:152 Resp: 7086  
Ion Ratio Lower Upper  
152 100  
151 20.9 17.0 25.6



#12  
2-Methylnaphthalene  
Concen: 0.282 ng  
RT: 12.303 min Scan# 1180  
Delta R.T. -0.010 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

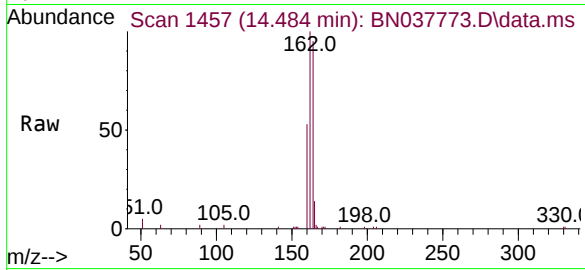
Tgt Ion:142 Resp: 9108  
Ion Ratio Lower Upper  
142 100  
141 89.6 71.6 107.4  
115 36.6 28.6 43.0



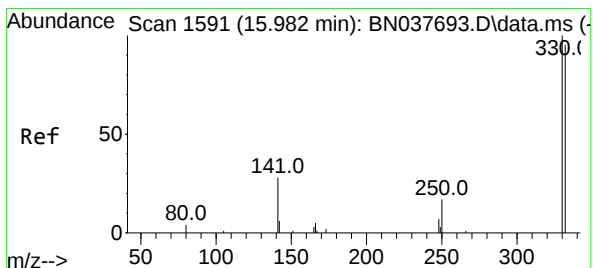
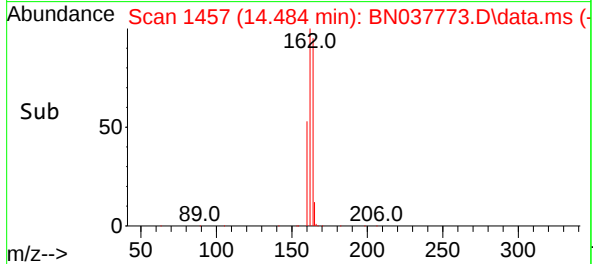
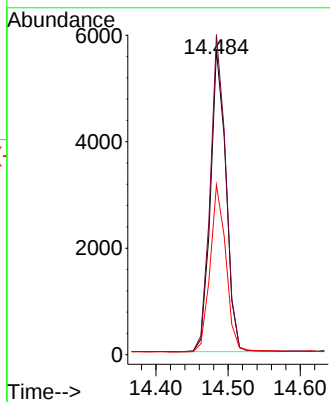


#13  
Acenaphthene-d10  
Concen: 0.400 ng  
RT: 14.484 min Scan# 1457  
Delta R.T. -0.011 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD

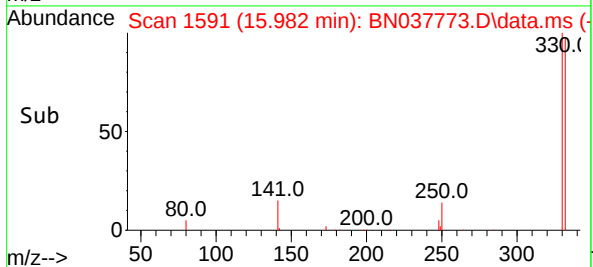
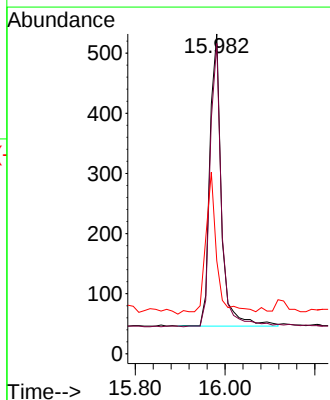
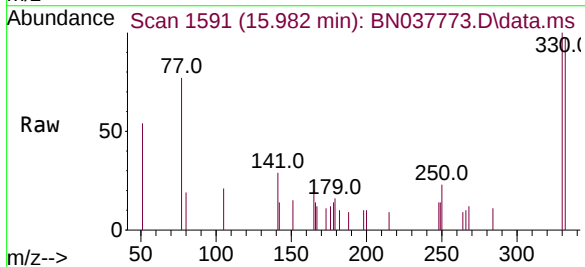


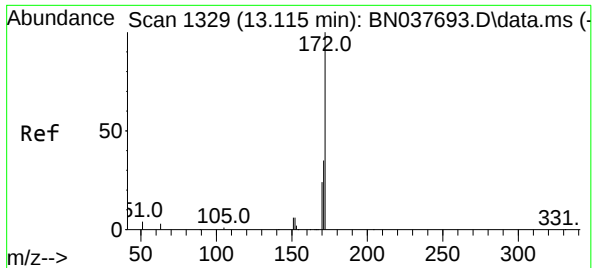
| Tgt Ion | 164  | 162   | 160  |
|---------|------|-------|------|
| Resp    | 8494 | 105.0 | 55.7 |
| Lower   |      | 83.1  | 44.3 |
| Upper   |      | 124.7 | 66.5 |



#14  
2,4,6-Tribromophenol  
Concen: 0.395 ng  
RT: 15.982 min Scan# 1591  
Delta R.T. -0.000 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

| Tgt Ion | 330 | 332   | 141  |
|---------|-----|-------|------|
| Resp    | 876 | 95.3  | 47.4 |
| Lower   |     | 75.3  | 35.0 |
| Upper   |     | 112.9 | 52.4 |

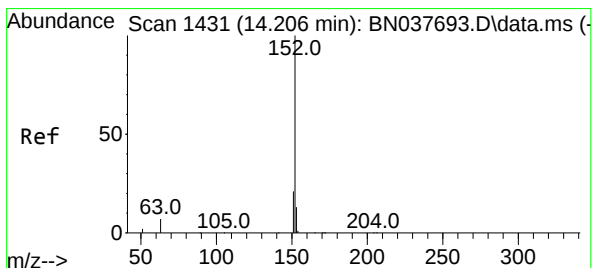
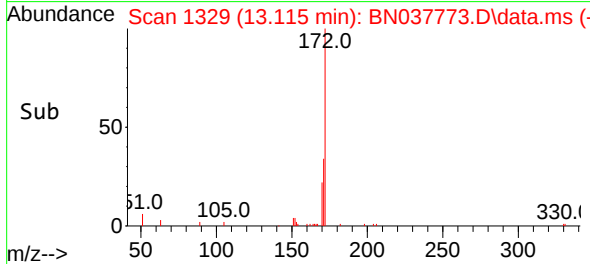
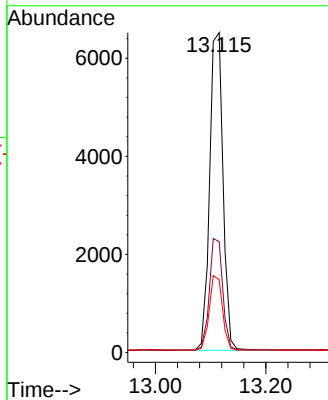
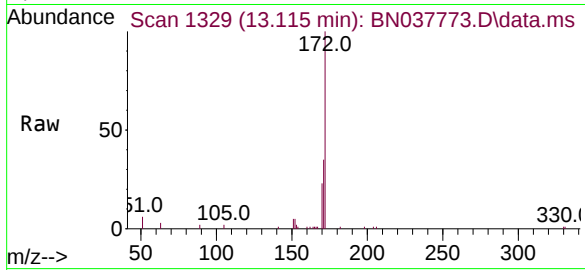




#15  
2-Fluorobiphenyl  
Concen: 0.306 ng  
RT: 13.115 min Scan# 1329  
Delta R.T. -0.000 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

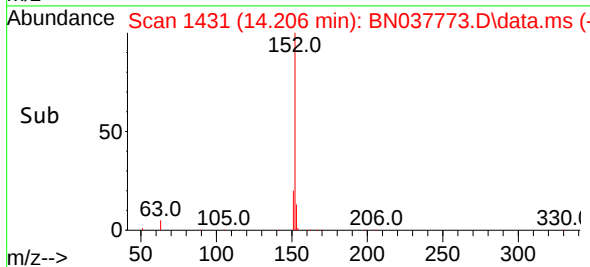
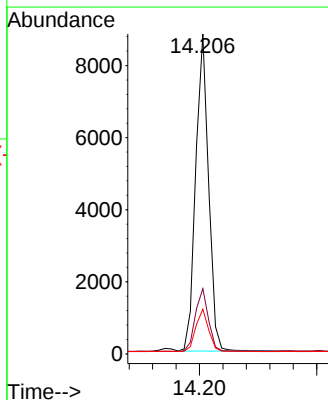
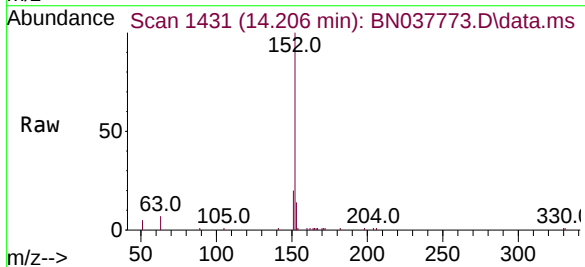
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD

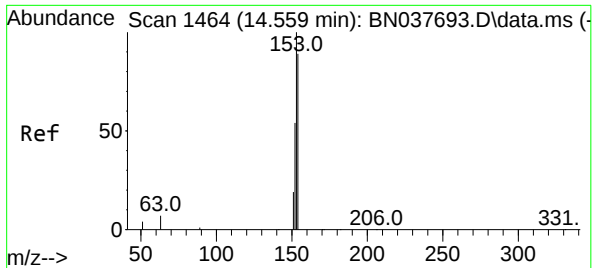
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.7  | 28.6  | 43.0  |
| 170     | 22.8  | 19.8  | 29.8  |



#16  
Acenaphthylene  
Concen: 0.343 ng  
RT: 14.206 min Scan# 1431  
Delta R.T. -0.000 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 19.9  | 16.2  | 24.2  |
| 153     | 13.3  | 10.4  | 15.6  |

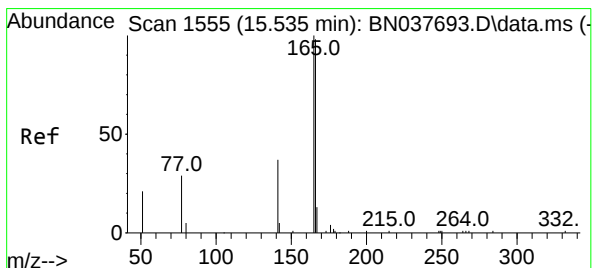
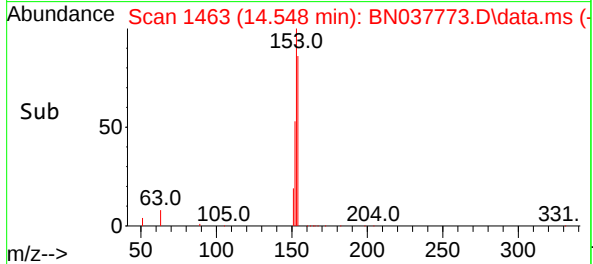
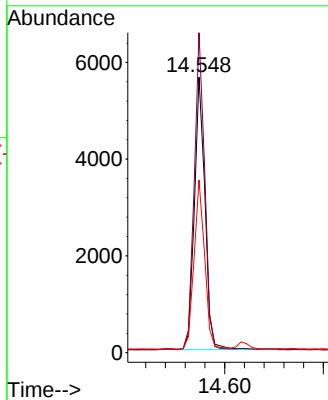
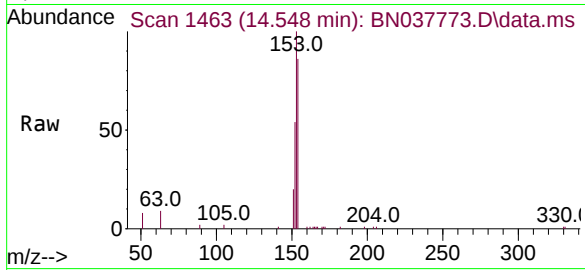




#17  
Acenaphthene  
Concen: 0.319 ng  
RT: 14.548 min Scan# 1463  
Delta R.T. -0.011 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

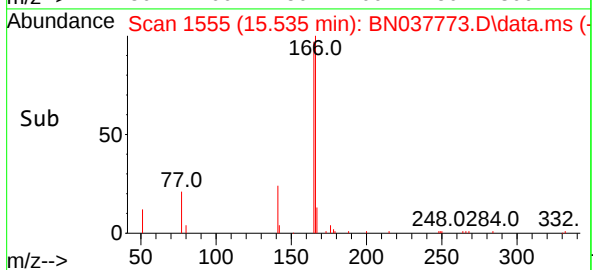
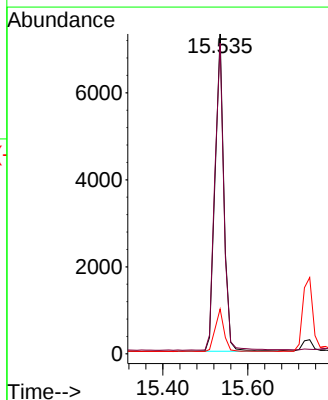
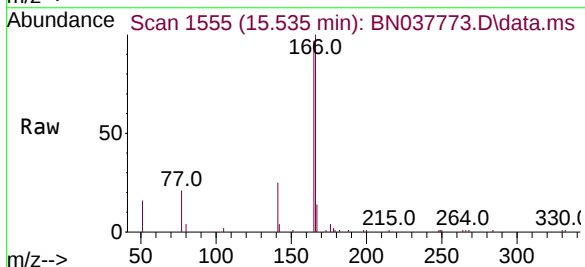
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD

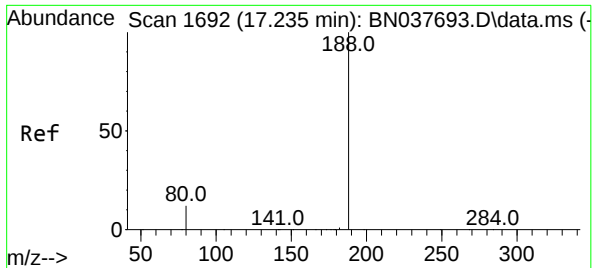
Tgt Ion:154 Resp: 8415  
Ion Ratio Lower Upper  
154 100  
153 114.0 89.8 134.8  
152 62.0 50.2 75.2



#18  
Fluorene  
Concen: 0.314 ng  
RT: 15.535 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

Tgt Ion:166 Resp: 10028  
Ion Ratio Lower Upper  
166 100  
165 99.6 79.6 119.4  
167 14.0 10.6 16.0

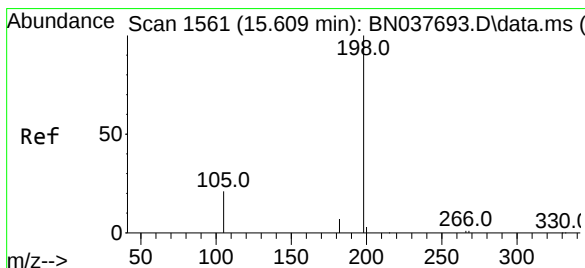
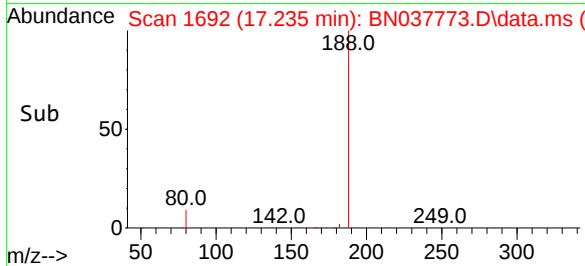
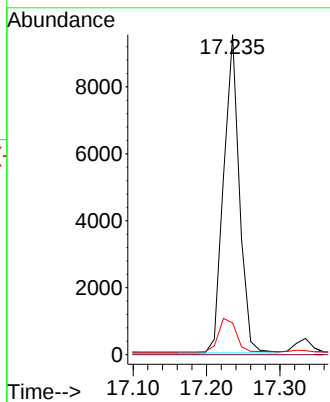
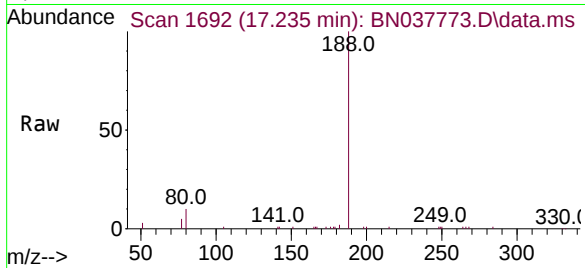




#19  
Phenanthrene-d10  
Concen: 0.400 ng  
RT: 17.235 min Scan# 1692  
Delta R.T. -0.000 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

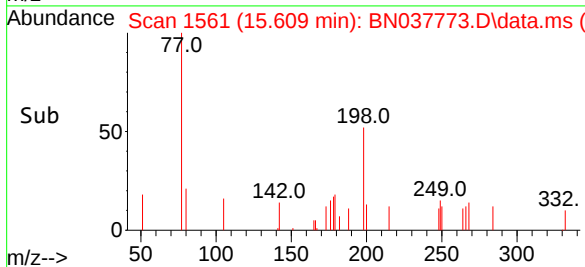
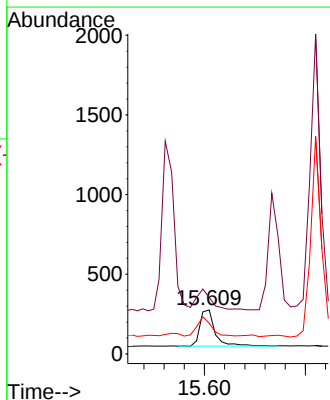
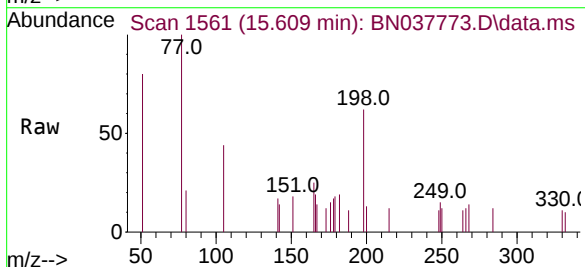
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD

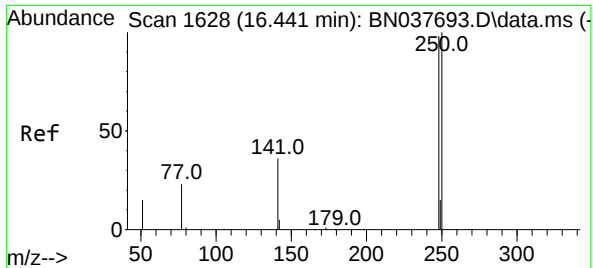
Tgt Ion:188 Resp: 14218  
Ion Ratio Lower Upper  
188 100  
94 0.0 0.0 0.0  
80 9.9 10.6 15.8#



#20  
4,6-Dinitro-2-methylphenol  
Concen: 0.355 ng  
RT: 15.609 min Scan# 1561  
Delta R.T. 0.000 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

Tgt Ion:198 Resp: 468  
Ion Ratio Lower Upper  
198 100  
51 127.9 95.1 142.7  
105 69.9 53.8 80.6

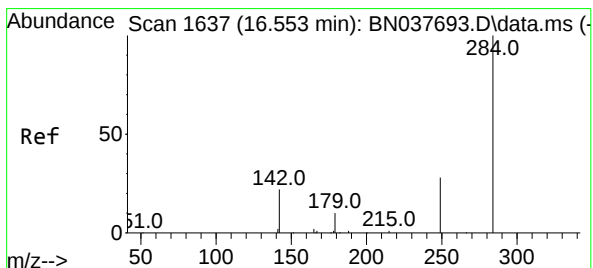
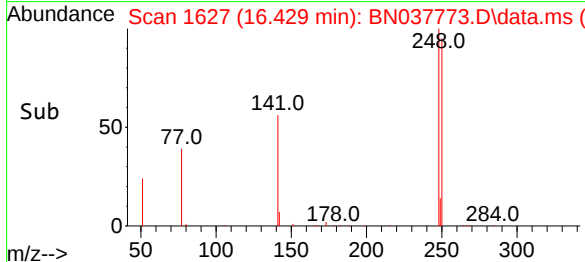
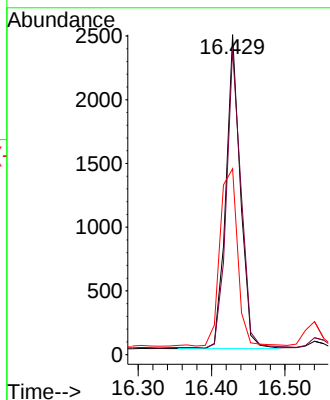
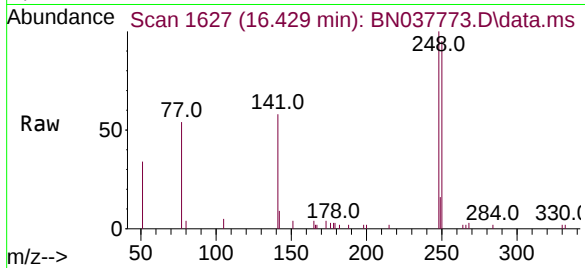




#21  
4-Bromophenyl-phenylether  
Concen: 0.365 ng  
RT: 16.429 min Scan# 1627  
Delta R.T. -0.013 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

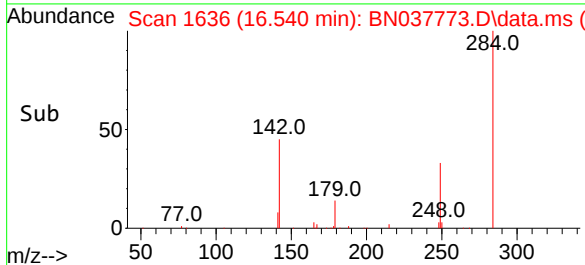
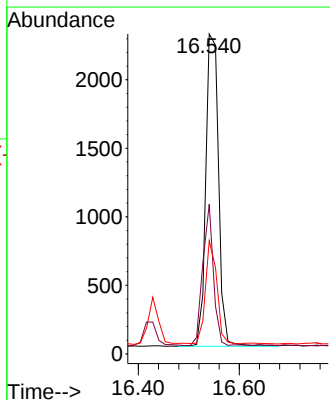
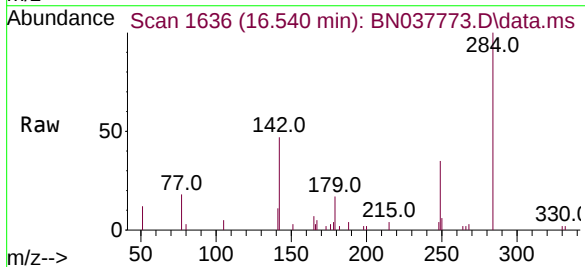
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD

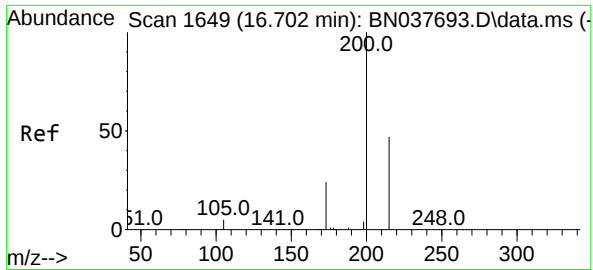
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 95.5  | 81.5  | 122.3 |
| 141     | 58.1  | 30.8  | 46.2  |



#22  
Hexachlorobenzene  
Concen: 0.374 ng  
RT: 16.540 min Scan# 1636  
Delta R.T. -0.013 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 37.8  | 30.9  | 46.3  |
| 249     | 29.4  | 24.8  | 37.2  |

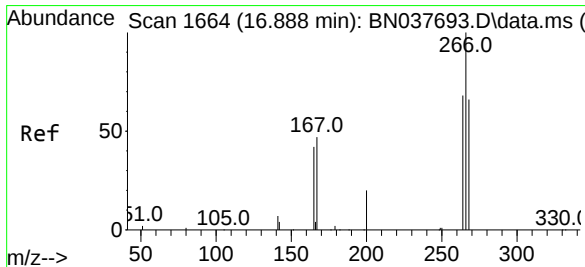
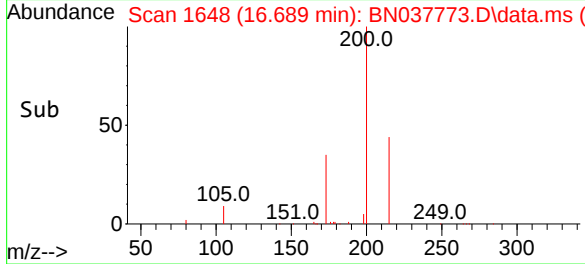
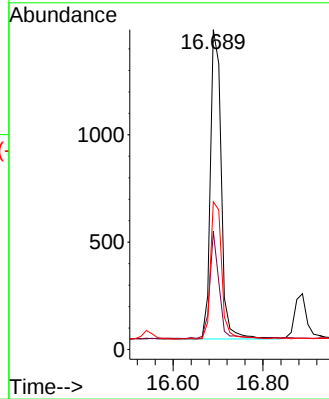
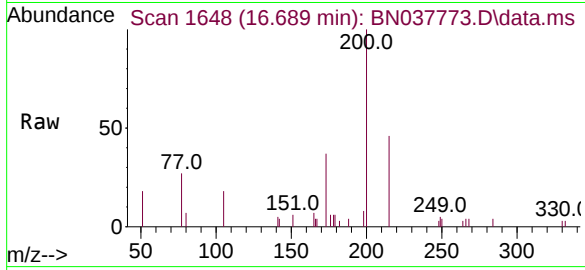




#23  
Atrazine  
Concen: 0.414 ng  
RT: 16.689 min Scan# 1648  
Delta R.T. -0.013 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

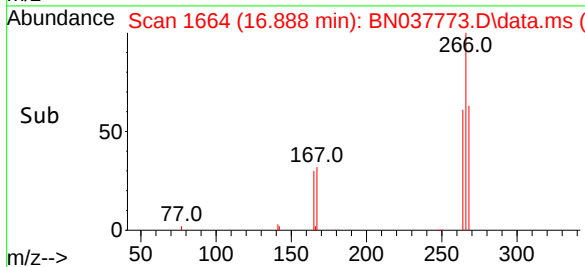
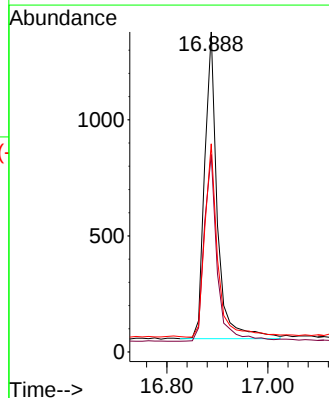
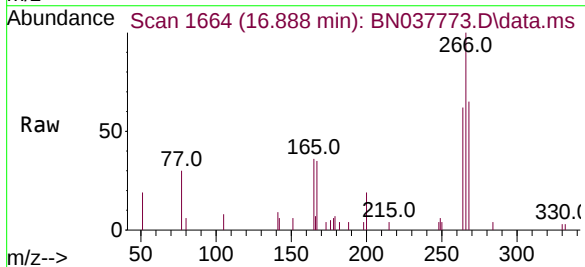
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD

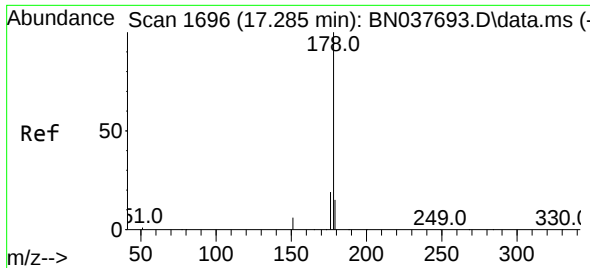
Tgt Ion:200 Resp: 2440  
Ion Ratio Lower Upper  
200 100  
173 37.0 21.4 32.2#  
215 46.2 39.2 58.8



#24  
Pentachlorophenol  
Concen: 0.744 ng  
RT: 16.888 min Scan# 1664  
Delta R.T. -0.000 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

Tgt Ion:266 Resp: 2303  
Ion Ratio Lower Upper  
266 100  
264 62.2 51.6 77.4  
268 64.2 53.2 79.8

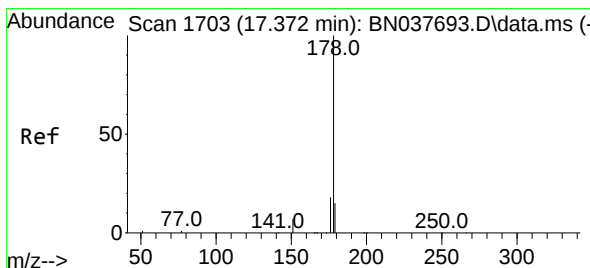
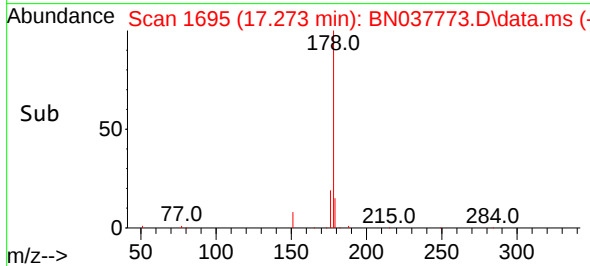
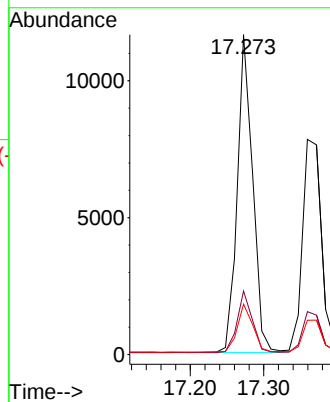
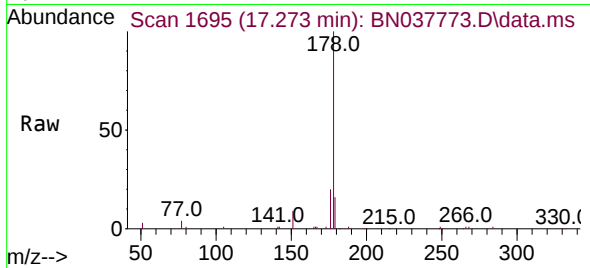




#25  
Phenanthrene  
Concen: 0.377 ng  
RT: 17.273 min Scan# 1695  
Delta R.T. -0.013 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

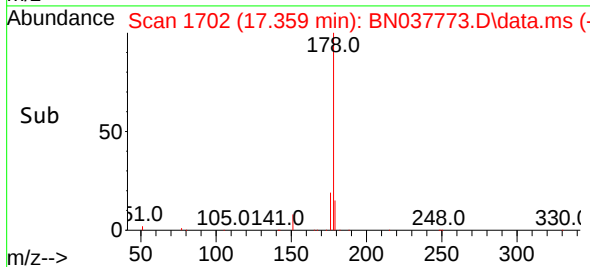
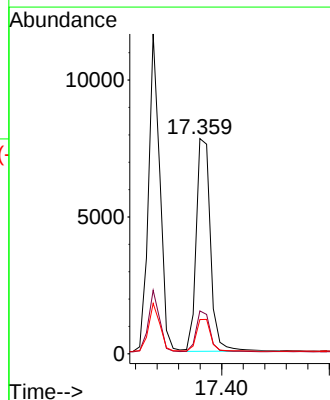
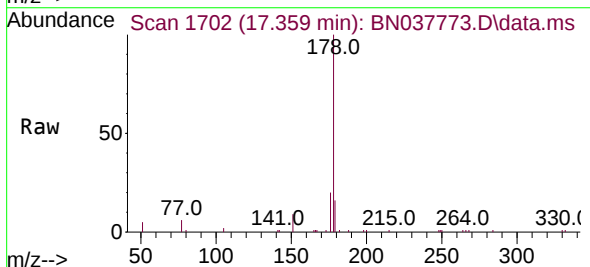
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD

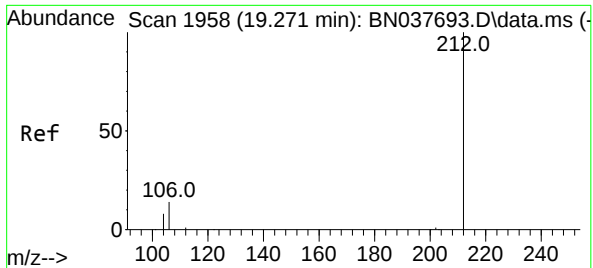
Tgt Ion:178 Resp: 16893  
Ion Ratio Lower Upper  
178 100  
176 19.0 15.3 22.9  
179 15.8 12.2 18.2



#26  
Anthracene  
Concen: 0.359 ng  
RT: 17.359 min Scan# 1702  
Delta R.T. -0.013 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

Tgt Ion:178 Resp: 14220  
Ion Ratio Lower Upper  
178 100  
176 18.7 14.6 22.0  
179 15.2 12.2 18.4

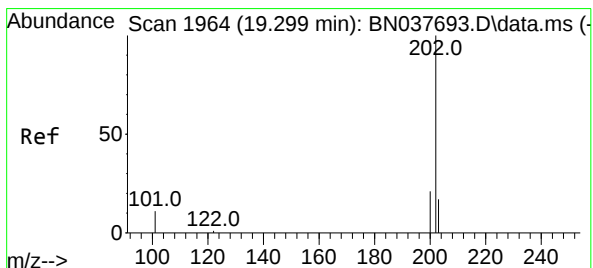
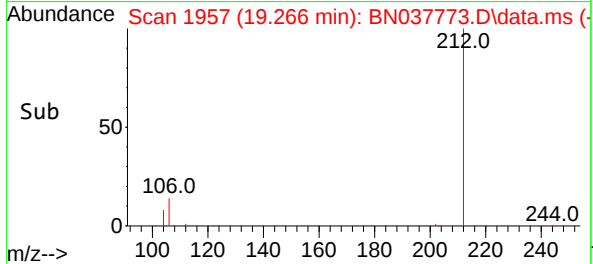
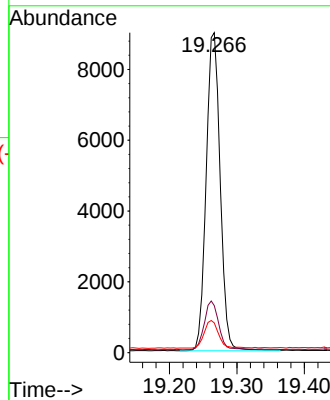
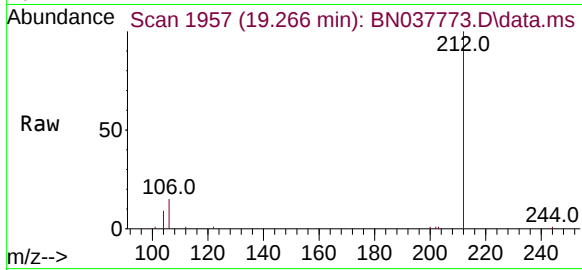




#27  
Fluoranthene-d10  
Concen: 0.362 ng  
RT: 19.266 min Scan# 1957  
Delta R.T. -0.005 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

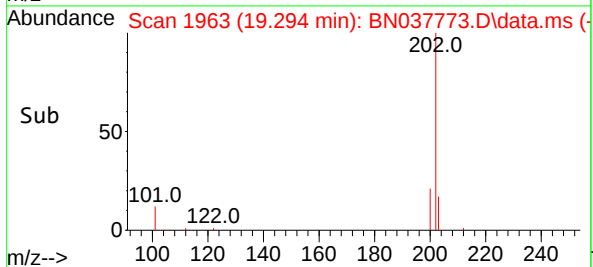
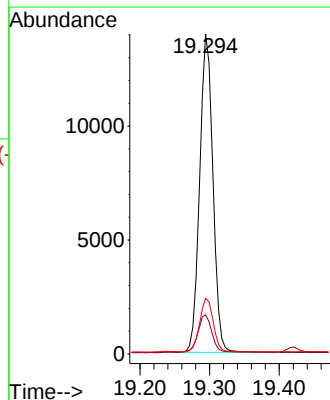
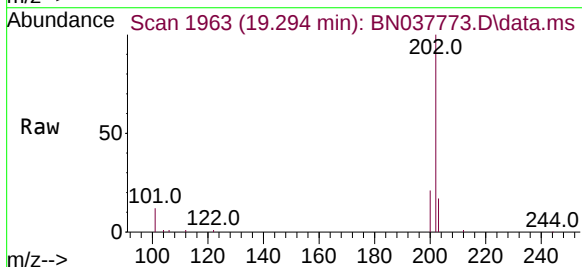
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD

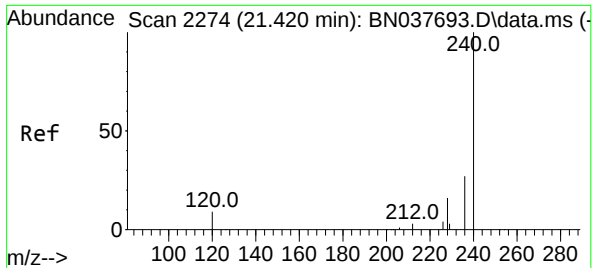
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 212     | 100   |       |       |
| 106     | 15.8  | 12.2  | 18.2  |
| 104     | 8.7   | 6.9   | 10.3  |



#28  
Fluoranthene  
Concen: 0.376 ng  
RT: 19.294 min Scan# 1963  
Delta R.T. -0.005 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.3  | 9.3   | 13.9  |
| 203     | 17.2  | 13.7  | 20.5  |

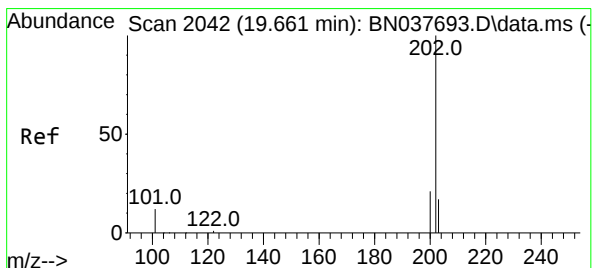
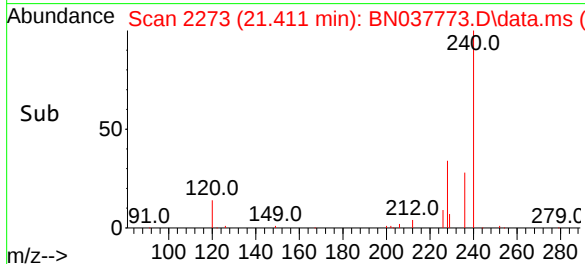
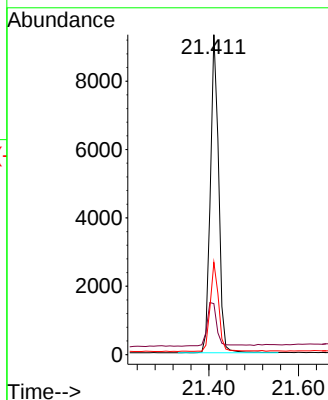
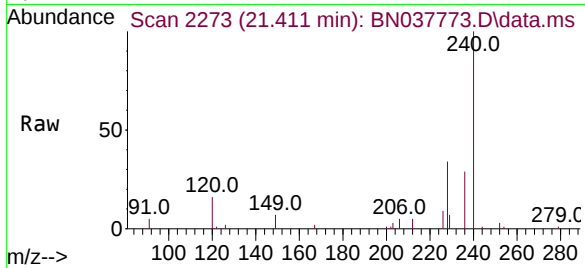




#29  
Chrysene-d12  
Concen: 0.400 ng  
RT: 21.411 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

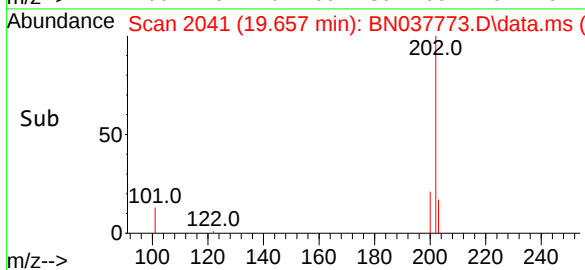
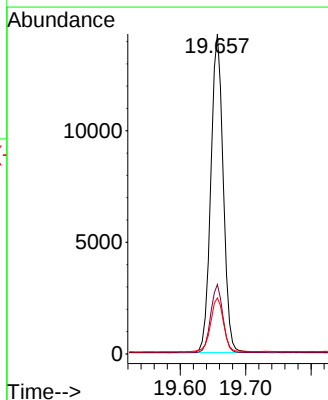
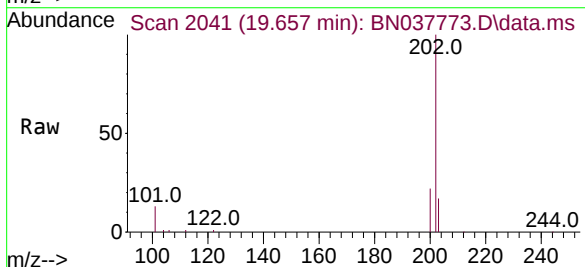
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD

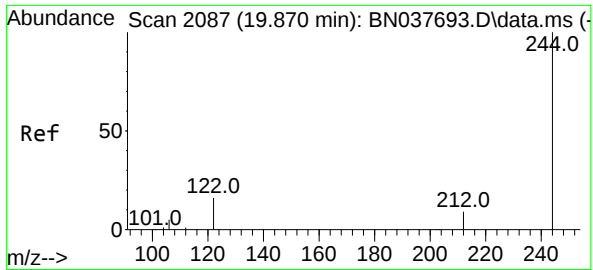
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 15.9  | 9.2   | 13.8# |
| 236     | 28.8  | 22.6  | 33.8  |



#30  
Pyrene  
Concen: 0.400 ng  
RT: 19.657 min Scan# 2041  
Delta R.T. -0.005 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 21.1  | 16.8  | 25.2  |
| 203     | 17.7  | 14.3  | 21.5  |

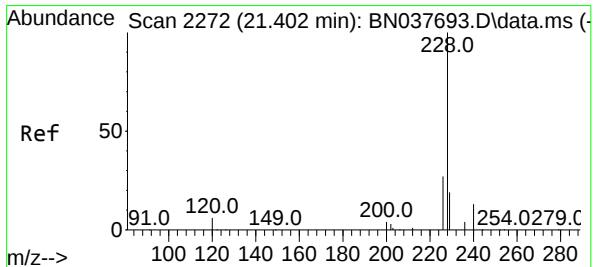
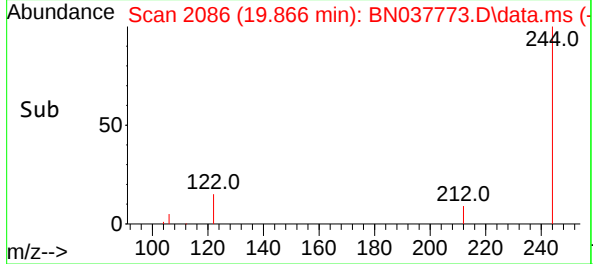
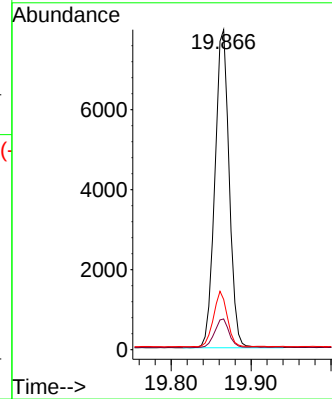
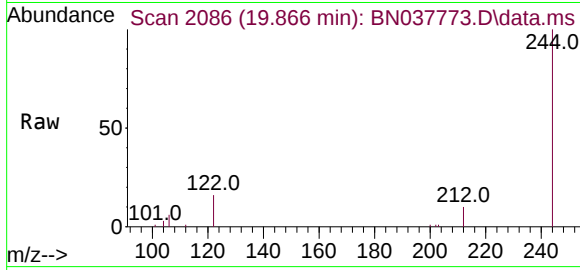




#31  
Terphenyl-d14  
Concen: 0.406 ng  
RT: 19.866 min Scan# 2086  
Delta R.T. -0.005 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

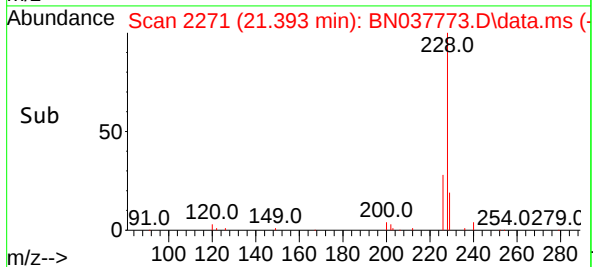
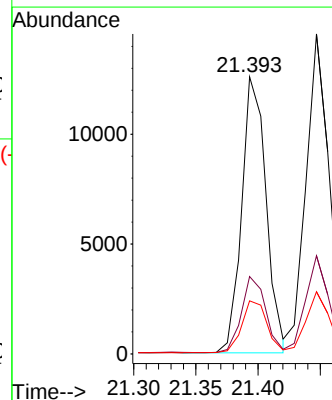
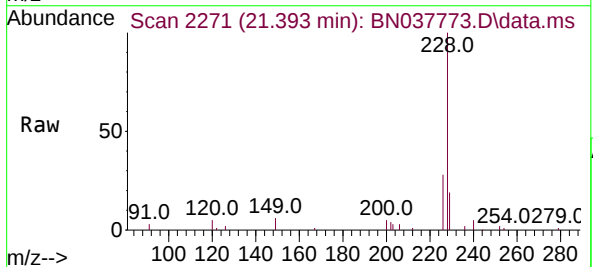
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD

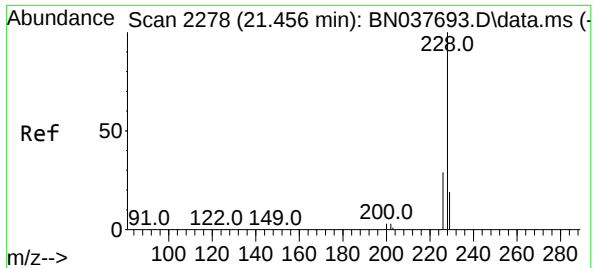
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 9.6   | 7.5   | 11.3  |
| 122     | 15.7  | 13.2  | 19.8  |



#32  
Benzo(a)anthracene  
Concen: 0.409 ng  
RT: 21.393 min Scan# 2271  
Delta R.T. -0.009 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 27.9  | 22.2  | 33.2  |
| 229     | 19.2  | 15.8  | 23.6  |

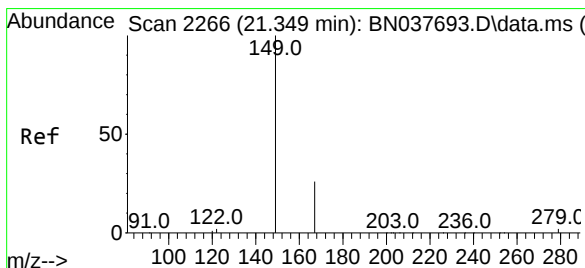
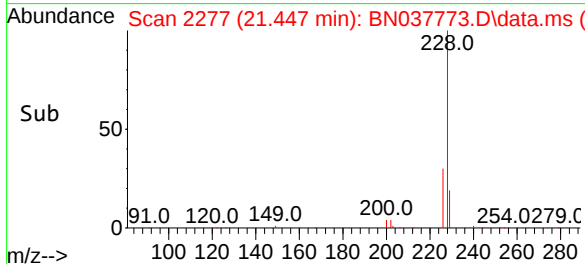
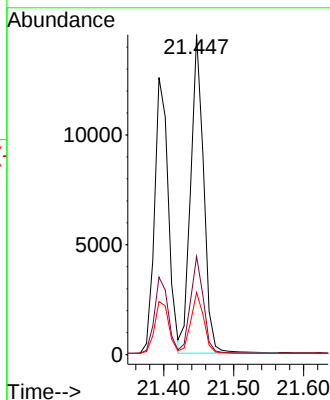
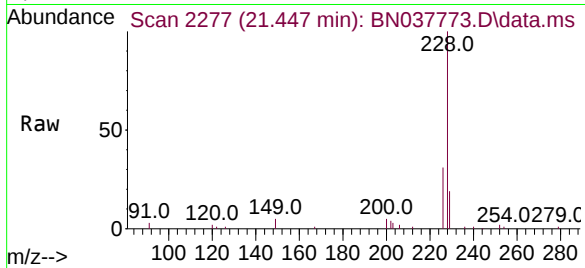




#33  
Chrysene  
Concen: 0.418 ng  
RT: 21.447 min Scan# 21  
Delta R.T. -0.009 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

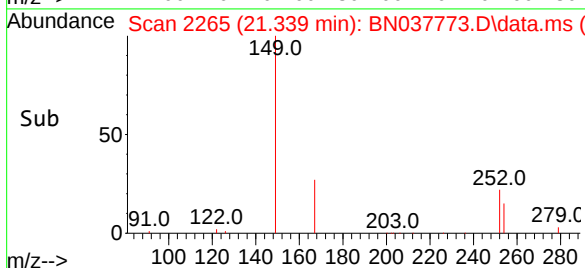
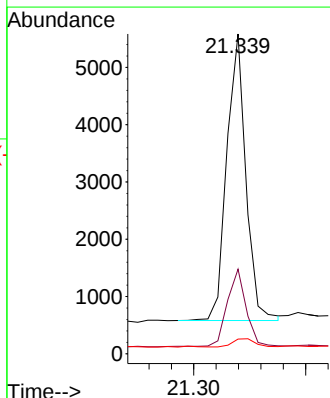
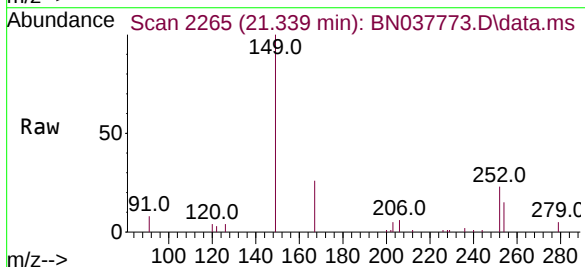
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD

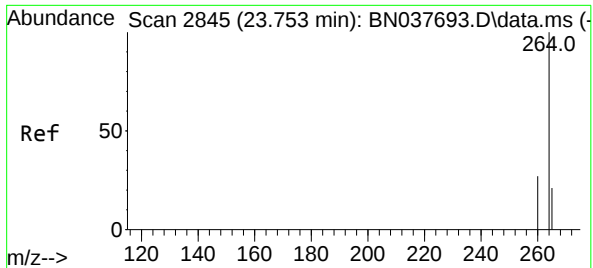
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.7  | 23.5  | 35.3  |
| 229     | 19.4  | 15.9  | 23.9  |



#34  
Bis(2-ethylhexyl)phthalate  
Concen: 0.477 ng  
RT: 21.339 min Scan# 2265  
Delta R.T. -0.009 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 26.2  | 20.8  | 31.2  |
| 279     | 3.4   | 3.3   | 4.9   |

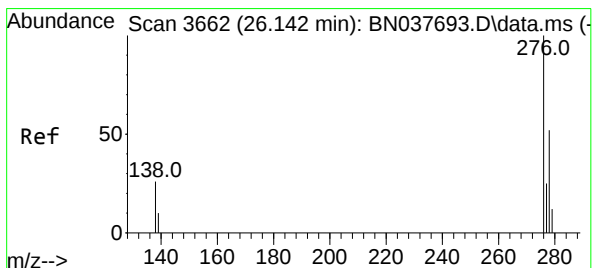
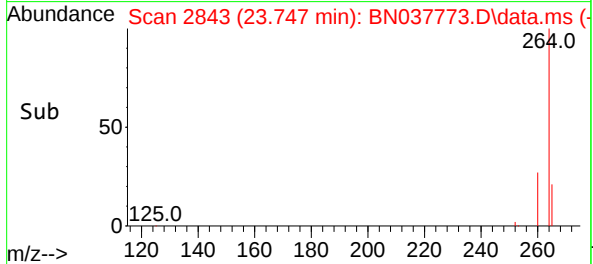
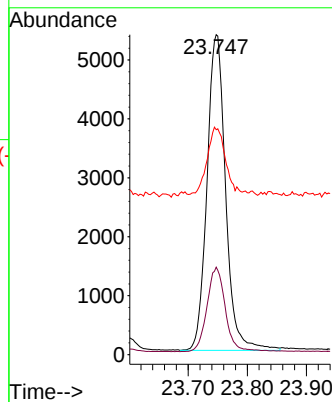
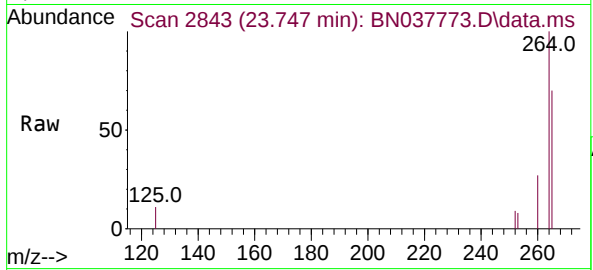




#35  
Perylene-d12  
Concen: 0.400 ng  
RT: 23.747 min Scan# 2843  
Delta R.T. -0.006 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

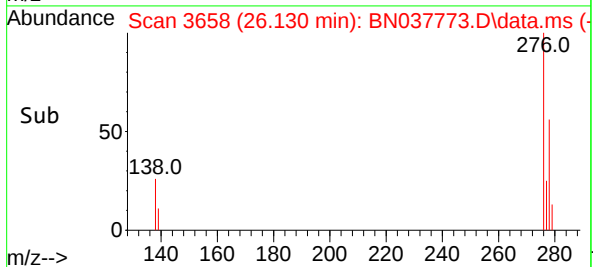
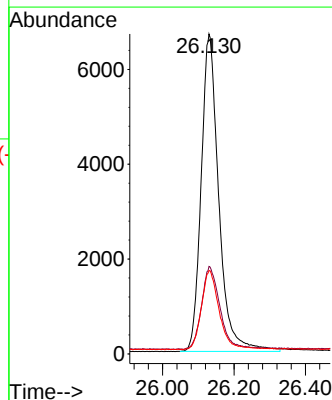
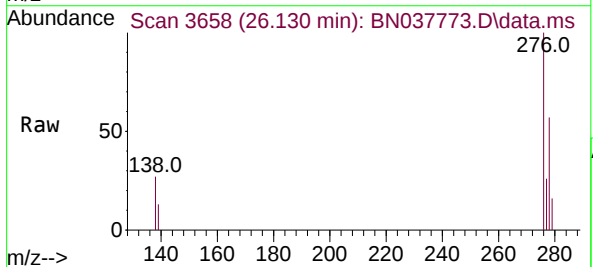
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD

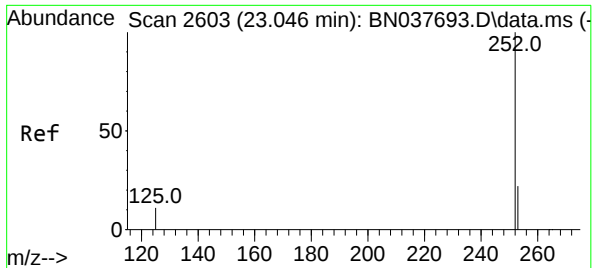
Tgt Ion:264 Resp: 11726  
Ion Ratio Lower Upper  
264 100  
260 27.3 21.8 32.8  
265 70.3 39.4 59.2#



#36  
Indeno(1,2,3-cd)pyrene  
Concen: 0.465 ng  
RT: 26.130 min Scan# 3658  
Delta R.T. -0.012 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

Tgt Ion:276 Resp: 22920  
Ion Ratio Lower Upper  
276 100  
138 26.8 21.9 32.9  
277 25.2 20.1 30.1

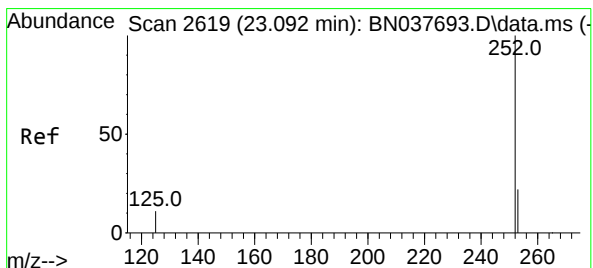
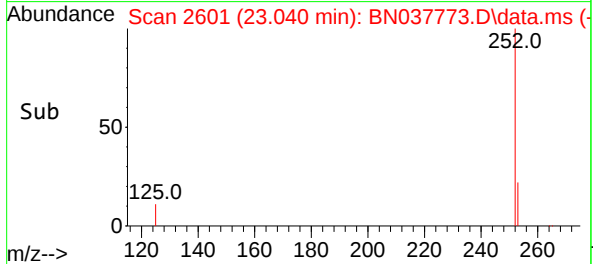
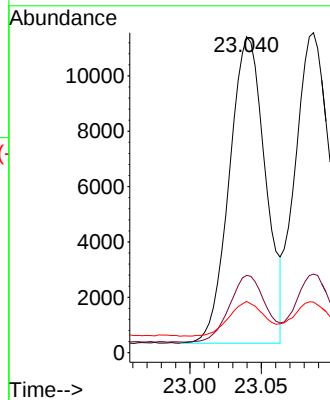
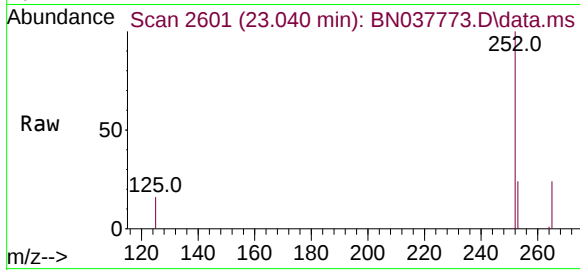




#37  
Benzo(b)fluoranthene  
Concen: 0.420 ng  
RT: 23.040 min Scan# 2603  
Delta R.T. -0.006 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

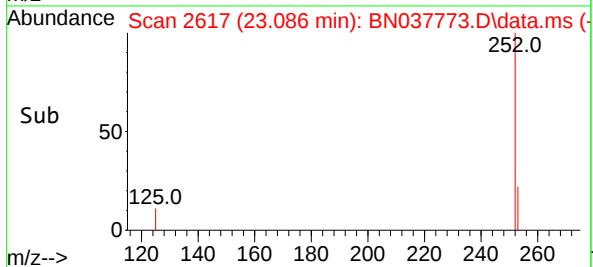
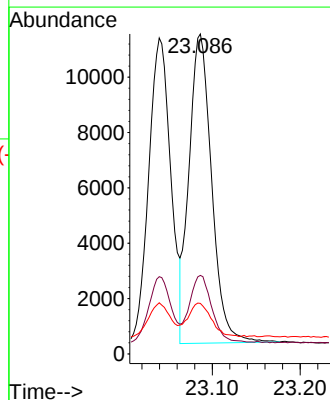
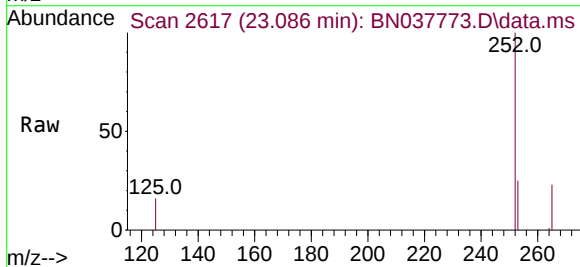
Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD

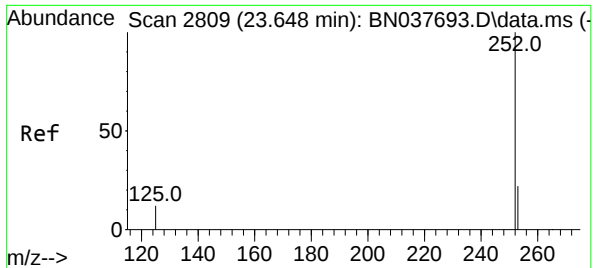
Tgt Ion:252 Resp: 19407  
Ion Ratio Lower Upper  
252 100  
253 24.4 19.4 29.2  
125 16.2 11.2 16.8



#38  
Benzo(k)fluoranthene  
Concen: 0.424 ng  
RT: 23.086 min Scan# 2617  
Delta R.T. -0.006 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

Tgt Ion:252 Resp: 19956  
Ion Ratio Lower Upper  
252 100  
253 24.5 19.4 29.0  
125 15.8 11.6 17.4





#39

Benzo(a)pyrene

Concen: 0.426 ng

RT: 23.642 min Scan# 2807

Delta R.T. -0.006 min

Lab File: BN037773.D

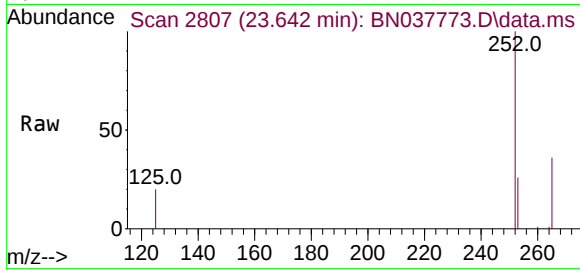
Acq: 18 Sep 2025 12:25

Instrument :

BNA\_N

ClientSampleId :

RE103D2-20250911MSD



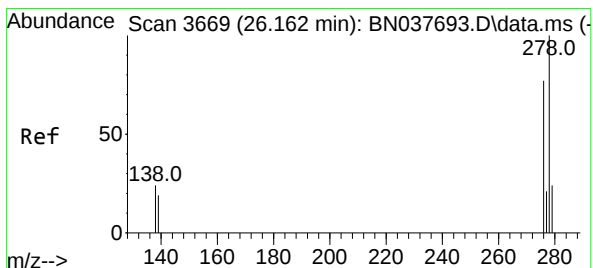
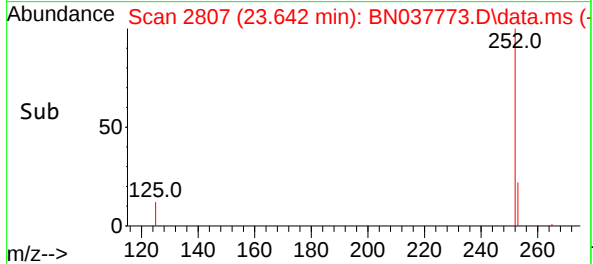
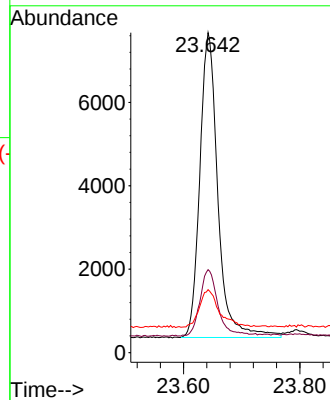
Tgt Ion:252 Resp: 15734

Ion Ratio Lower Upper

252 100

253 25.9 20.8 31.2

125 19.7 13.9 20.9



#40

Dibenzo(a,h)anthracene

Concen: 0.455 ng

RT: 26.148 min Scan# 3664

Delta R.T. -0.015 min

Lab File: BN037773.D

Acq: 18 Sep 2025 12:25

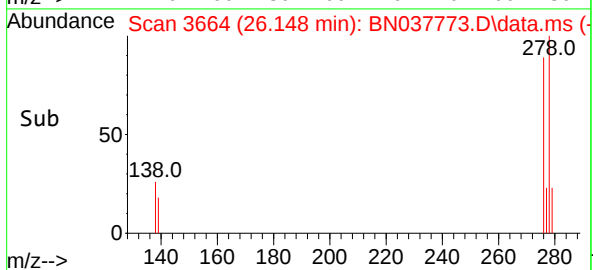
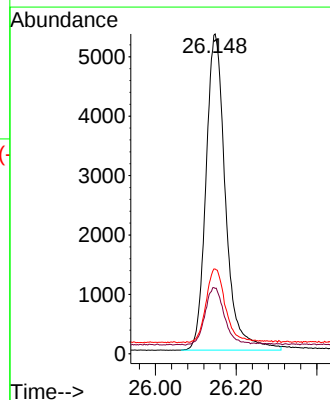
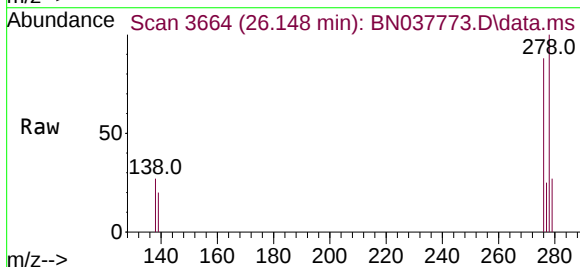
Tgt Ion:278 Resp: 17896

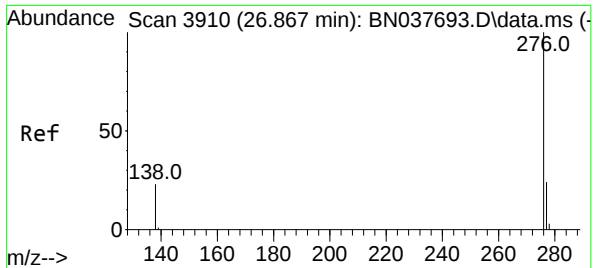
Ion Ratio Lower Upper

278 100

139 20.5 17.8 26.6

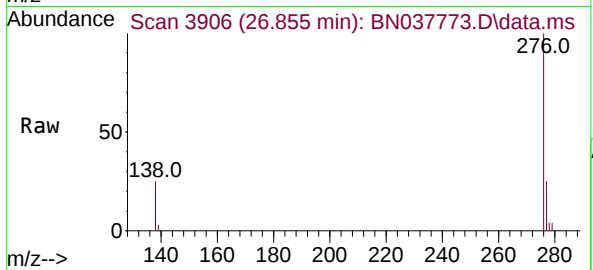
279 26.5 22.0 33.0



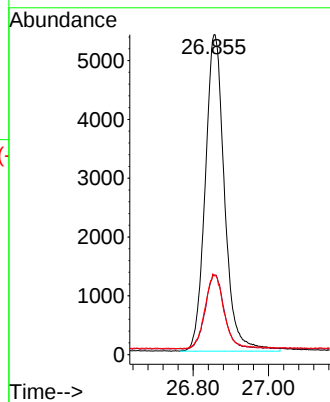
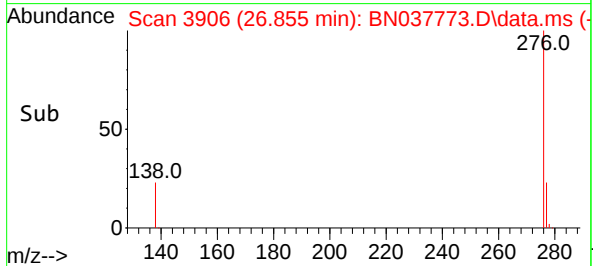


#41  
Benzo(g,h,i)perylene  
Concen: 0.433 ng  
RT: 26.855 min Scan# 3910  
Delta R.T. -0.012 min  
Lab File: BN037773.D  
Acq: 18 Sep 2025 12:25

Instrument :  
BNA\_N  
ClientSampleId :  
RE103D2-20250911MSD



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.9  | 20.6  | 31.0  |
| 138     | 24.5  | 20.2  | 30.2  |





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## Manual Integration Report

Sequence:

BN091125

Instrument

BNA\_n

| Sample ID  | File ID    | Parameter            | Review By | Review On            | Supervised By | Supervised On         | Reason                      |
|------------|------------|----------------------|-----------|----------------------|---------------|-----------------------|-----------------------------|
| SSTDICC0.2 | BN037692.D | Benzo(k)fluoranthene | Rahul     | 9/12/2025 8:44:30 AM | Jagrut        | 9/12/2025 11:51:26 AM | Peak Integrated by Software |



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## Manual Integration Report

Sequence:

BN091725

Instrument

BNA\_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason



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## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BN091825 | Instrument | BNA_n |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter            | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|------------|------------|----------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| PB169693BS | BN037792.D | Benzo(k)fluoranthene | Rahul     | 9/19/2025 8:46:42 AM | mohammad      | 9/23/2025 2:07:38 AM | Peak Integrated by Software |



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## Manual Integration Report

Sequence:

BN091925

Instrument

BNA\_n

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason

Instrument ID: **BNA\_N**

**Daily Analysis Runlog For Sequence/QC Batch ID # BN091125**

|                          |                                                  |                   |                                               |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Review By                | Rahul                                            | Review On         | 9/12/2025 10:21:18 AM                         |
| Supervise By             | Jagrut                                           | Supervise On      | 9/12/2025 11:52:20 AM                         |
| SubDirectory             | BN091125                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method bn091125 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                               |
| Tune/Reschk              | SP6757                                           |                   |                                               |
| Initial Calibration Stds | SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848 |                   |                                               |
| CCC                      | SP6846                                           |                   |                                               |
| Internal Standard/PEM    | SP6830,1ul/100ul sample                          |                   |                                               |
| ICV/I.BLK                | SP6854                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BN037689.D     | 11 Sep 2025 07:54 | RC/JU    | Ok     |
| 2   | SSTDCCC0.4  | BN037690.D     | 11 Sep 2025 09:20 | RC/JU    | Ok     |
| 3   | SSTDICC0.1  | BN037691.D     | 11 Sep 2025 09:56 | RC/JU    | Ok     |
| 4   | SSTDICC0.2  | BN037692.D     | 11 Sep 2025 10:32 | RC/JU    | Ok,M   |
| 5   | SSTDICCC0.4 | BN037693.D     | 11 Sep 2025 11:08 | RC/JU    | Ok     |
| 6   | SSTDICC0.8  | BN037694.D     | 11 Sep 2025 11:44 | RC/JU    | Ok     |
| 7   | SSTDICC1.6  | BN037695.D     | 11 Sep 2025 12:20 | RC/JU    | Ok     |
| 8   | SSTDICC3.2  | BN037696.D     | 11 Sep 2025 12:56 | RC/JU    | Ok     |
| 9   | SSTDICC5.0  | BN037697.D     | 11 Sep 2025 13:33 | RC/JU    | Ok     |
| 10  | SSTDICV0.4  | BN037698.D     | 11 Sep 2025 14:09 | RC/JU    | Ok     |
| 11  | PB169529BL  | BN037699.D     | 11 Sep 2025 14:45 | RC/JU    | Ok     |
| 12  | Q2893-03    | BN037700.D     | 11 Sep 2025 15:21 | RC/JU    | Ok     |
| 13  | Q2893-03    | BN037701.D     | 11 Sep 2025 15:58 | RC/JU    | Ok     |
| 14  | Q2893-09    | BN037702.D     | 11 Sep 2025 16:34 | RC/JU    | Ok     |
| 15  | Q2893-09    | BN037703.D     | 11 Sep 2025 17:10 | RC/JU    | Ok     |
| 16  | PB169527BL  | BN037704.D     | 11 Sep 2025 17:47 | RC/JU    | Ok     |
| 17  | SSTDCCC0.4  | BN037705.D     | 11 Sep 2025 18:23 | RC/JU    | Ok     |

M : Manual Integration

Instrument ID: **BNA\_N**

**Daily Analysis Runlog For Sequence/QC Batch ID # BN091725**

|                          |                                                  |                   |                                               |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Review By                | Rahul                                            | Review On         | 9/18/2025 2:11:37 PM                          |
| Supervise By             | Jagrut                                           | Supervise On      | 9/18/2025 5:21:45 PM                          |
| SubDirectory             | BN091725                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method bn091125 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                               |
| Tune/Reschk              | SP6757                                           |                   |                                               |
| Initial Calibration Stds | SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848 |                   |                                               |
| CCC                      | SP6846                                           |                   |                                               |
| Internal Standard/PEM    | SP6830,1ul/100ul sample                          |                   |                                               |
| ICV/I.BLK                | SP6854                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status   |
|-----|-------------|----------------|-------------------|----------|----------|
| 1   | DFTPP       | BN037739.D     | 17 Sep 2025 10:46 | RC/JU    | Ok       |
| 2   | SSTDCCC0.4  | BN037740.D     | 17 Sep 2025 11:25 | RC/JU    | Ok       |
| 3   | PB169692BL  | BN037741.D     | 17 Sep 2025 12:02 | RC/JU    | Ok       |
| 4   | Q3095-05    | BN037742.D     | 17 Sep 2025 12:38 | RC/JU    | Ok       |
| 5   | Q3095-06MS  | BN037743.D     | 17 Sep 2025 13:14 | RC/JU    | Ok       |
| 6   | Q3095-07MSD | BN037744.D     | 17 Sep 2025 13:59 | RC/JU    | Ok       |
| 7   | Q3086-01    | BN037745.D     | 17 Sep 2025 14:35 | RC/JU    | Ok       |
| 8   | Q3086-02    | BN037746.D     | 17 Sep 2025 15:11 | RC/JU    | Ok       |
| 9   | Q3095-01    | BN037747.D     | 17 Sep 2025 15:47 | RC/JU    | Ok       |
| 10  | Q3095-02    | BN037748.D     | 17 Sep 2025 16:24 | RC/JU    | Ok       |
| 11  | Q3095-03    | BN037749.D     | 17 Sep 2025 17:00 | RC/JU    | Dilution |
| 12  | Q3095-04    | BN037750.D     | 17 Sep 2025 17:36 | RC/JU    | Ok       |
| 13  | Q3095-08    | BN037751.D     | 17 Sep 2025 18:13 | RC/JU    | Ok       |
| 14  | Q3095-09    | BN037752.D     | 17 Sep 2025 18:49 | RC/JU    | Ok       |
| 15  | Q3095-10    | BN037753.D     | 17 Sep 2025 19:25 | RC/JU    | Ok       |
| 16  | Q3095-11    | BN037754.D     | 17 Sep 2025 20:01 | RC/JU    | Ok       |
| 17  | Q3095-13    | BN037755.D     | 17 Sep 2025 20:37 | RC/JU    | Ok       |
| 18  | SP6870      | BN037756.D     | 17 Sep 2025 21:13 | RC/JU    | Ok       |
| 19  | SSTDCCC0.4  | BN037757.D     | 17 Sep 2025 21:50 | RC/JU    | Ok       |
| 20  | DFTPP       | BN037758.D     | 18 Sep 2025 02:06 | RC/JU    | Ok       |
| 21  | SSTDCCC0.4  | BN037759.D     | 18 Sep 2025 02:46 | RC/JU    | Ok       |

Instrument ID: **BNA\_N**

**Daily Analysis Runlog For Sequence/QC Batch ID # BN091725**

| Review By                | Rahul                                            | Review On         | 9/18/2025 2:11:37 PM                          |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Supervise By             | Jagrut                                           | Supervise On      | 9/18/2025 5:21:45 PM                          |
| SubDirectory             | BN091725                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method bn091125 |
| STD. NAME                | STD REF.#                                        |                   |                                               |
| Tune/Reschk              | SP6757                                           |                   |                                               |
| Initial Calibration Stds | SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848 |                   |                                               |
| CCC                      | SP6846                                           |                   |                                               |
| Internal Standard/PEM    | SP6830,1ul/100ul sample                          |                   |                                               |
| ICV/I.BLK                | SP6854                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

|    |             |            |                   |       |          |
|----|-------------|------------|-------------------|-------|----------|
| 22 | PB169692BL  | BN037760.D | 18 Sep 2025 03:22 | RC/JU | Ok       |
| 23 | Q3095-12    | BN037761.D | 18 Sep 2025 03:58 | RC/JU | Ok       |
| 24 | Q3095-14    | BN037762.D | 18 Sep 2025 04:34 | RC/JU | Ok       |
| 25 | Q3095-15    | BN037763.D | 18 Sep 2025 05:10 | RC/JU | Ok       |
| 26 | Q3095-16    | BN037764.D | 18 Sep 2025 05:46 | RC/JU | Ok       |
| 27 | Q3095-17    | BN037765.D | 18 Sep 2025 06:23 | RC/JU | Ok       |
| 28 | Q3095-18    | BN037766.D | 18 Sep 2025 06:59 | RC/JU | Ok       |
| 29 | Q3095-19    | BN037767.D | 18 Sep 2025 07:35 | RC/JU | Ok       |
| 30 | Q3095-20    | BN037768.D | 18 Sep 2025 08:11 | RC/JU | Ok       |
| 31 | Q3097-07    | BN037769.D | 18 Sep 2025 08:47 | RC/JU | Ok       |
| 32 | Q3097-08    | BN037770.D | 18 Sep 2025 09:23 | RC/JU | Dilution |
| 33 | Q3097-01    | BN037771.D | 18 Sep 2025 10:00 | RC/JU | Ok       |
| 34 | Q3097-02MS  | BN037772.D | 18 Sep 2025 11:48 | RC/JU | Ok       |
| 35 | Q3097-03MSD | BN037773.D | 18 Sep 2025 12:25 | RC/JU | Ok       |
| 36 | SSTDCCC0.4  | BN037774.D | 18 Sep 2025 13:16 | RC/JU | Ok       |

M : Manual Integration

Instrument ID: **BNA\_N**

**Daily Analysis Runlog For Sequence/QC Batch ID # BN091825**

|                          |                                                  |                   |                                               |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Review By                | Rahul                                            | Review On         | 9/19/2025 8:50:16 AM                          |
| Supervise By             | mohammad                                         | Supervise On      | 9/23/2025 2:07:38 AM                          |
| SubDirectory             | BN091825                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method bn091125 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                               |
| Tune/Reschk              | SP6757                                           |                   |                                               |
| Initial Calibration Stds | SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848 |                   |                                               |
| CCC                      | SP6846                                           |                   |                                               |
| Internal Standard/PEM    | SP6830,1ul/100ul sample                          |                   |                                               |
| ICV/I.BLK                | SP6854                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

| Sr# | SampleId   | Data File Name | Date-Time         | Operator | Status   |
|-----|------------|----------------|-------------------|----------|----------|
| 1   | DFTPP      | BN037775.D     | 18 Sep 2025 13:53 | RC/JU    | Ok       |
| 2   | SSTDCCC0.4 | BN037776.D     | 18 Sep 2025 14:32 | RC/JU    | Ok       |
| 3   | PB169693BL | BN037777.D     | 18 Sep 2025 15:10 | RC/JU    | Ok       |
| 4   | Q3097-09   | BN037778.D     | 18 Sep 2025 15:47 | RC/JU    | Ok       |
| 5   | Q3097-04   | BN037779.D     | 18 Sep 2025 16:23 | RC/JU    | Ok       |
| 6   | Q3097-05   | BN037780.D     | 18 Sep 2025 17:00 | RC/JU    | Ok       |
| 7   | Q3097-06   | BN037781.D     | 18 Sep 2025 17:36 | RC/JU    | Ok       |
| 8   | Q3083-03   | BN037782.D     | 18 Sep 2025 18:12 | RC/JU    | Dilution |
| 9   | Q3095-21   | BN037783.D     | 18 Sep 2025 18:49 | RC/JU    | Ok       |
| 10  | Q3095-22   | BN037784.D     | 18 Sep 2025 19:25 | RC/JU    | Ok       |
| 11  | Q3095-23   | BN037785.D     | 18 Sep 2025 20:02 | RC/JU    | Ok       |
| 12  | Q3095-24   | BN037786.D     | 18 Sep 2025 20:38 | RC/JU    | Ok       |
| 13  | Q3095-25   | BN037787.D     | 18 Sep 2025 21:14 | RC/JU    | Ok       |
| 14  | Q3095-26   | BN037788.D     | 18 Sep 2025 21:51 | RC/JU    | Ok       |
| 15  | Q3095-03DL | BN037789.D     | 18 Sep 2025 22:27 | RC/JU    | Ok       |
| 16  | Q3097-08DL | BN037790.D     | 18 Sep 2025 23:03 | RC/JU    | Ok       |
| 17  | PB169692BS | BN037791.D     | 18 Sep 2025 23:40 | RC/JU    | Ok       |
| 18  | PB169693BS | BN037792.D     | 19 Sep 2025 00:16 | RC/JU    | Ok,M     |
| 19  | SSTDCCC0.4 | BN037793.D     | 19 Sep 2025 00:52 | RC/JU    | Ok       |
| 20  | DFTPP      | BN037794.D     | 19 Sep 2025 02:08 | RC/JU    | Ok       |
| 21  | SSTDCCC0.4 | BN037795.D     | 19 Sep 2025 02:47 | RC/JU    | Ok       |

Instrument ID: **BNA\_N**

**Daily Analysis Runlog For Sequence/QC Batch ID # BN091825**

| Review By                | Rahul                                            | Review On         | 9/19/2025 8:50:16 AM                          |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Supervise By             | mohammad                                         | Supervise On      | 9/23/2025 2:07:38 AM                          |
| SubDirectory             | BN091825                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method bn091125 |
| STD. NAME                | STD REF.#                                        |                   |                                               |
| Tune/Reschk              | SP6757                                           |                   |                                               |
| Initial Calibration Stds | SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848 |                   |                                               |
| CCC                      | SP6846                                           |                   |                                               |
| Internal Standard/PEM    | SP6830,1ul/100ul sample                          |                   |                                               |
| ICV/I.BLK                | SP6854                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

|    |             |            |                   |       |          |
|----|-------------|------------|-------------------|-------|----------|
| 22 | PB169692BL  | BN037796.D | 19 Sep 2025 03:24 | RC/JU | Ok       |
| 23 | Q3095-29    | BN037797.D | 19 Sep 2025 04:00 | RC/JU | Ok       |
| 24 | Q3095-30    | BN037798.D | 19 Sep 2025 04:37 | RC/JU | Ok       |
| 25 | Q3095-31    | BN037799.D | 19 Sep 2025 05:13 | RC/JU | Ok       |
| 26 | Q3095-32    | BN037800.D | 19 Sep 2025 05:49 | RC/JU | Ok       |
| 27 | Q3097-10    | BN037801.D | 19 Sep 2025 06:25 | RC/JU | Ok       |
| 28 | Q3097-11    | BN037802.D | 19 Sep 2025 07:01 | RC/JU | Ok       |
| 29 | Q3097-12    | BN037803.D | 19 Sep 2025 07:37 | RC/JU | Ok       |
| 30 | Q3097-13    | BN037804.D | 19 Sep 2025 08:13 | RC/JU | Dilution |
| 31 | Q3097-14    | BN037805.D | 19 Sep 2025 08:49 | RC/JU | Ok       |
| 32 | Q3097-15    | BN037806.D | 19 Sep 2025 09:25 | RC/JU | Ok       |
| 33 | Q3097-19    | BN037807.D | 19 Sep 2025 10:02 | RC/JU | Dilution |
| 34 | Q3127-13    | BN037808.D | 19 Sep 2025 10:38 | RC/JU | Ok       |
| 35 | Q3127-14MS  | BN037809.D | 19 Sep 2025 11:50 | RC/JU | Ok,M     |
| 36 | Q3127-15MSD | BN037810.D | 19 Sep 2025 12:27 | RC/JU | Ok,M     |
| 37 | SSTDCCC0.4  | BN037811.D | 19 Sep 2025 13:03 | RC/JU | Ok       |

M : Manual Integration

Instrument ID: **BNA\_N**

**Daily Analysis Runlog For Sequence/QC Batch ID # BN091925**

|                          |                                                  |                   |                                               |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Review By                | Rahul                                            | Review On         | 9/22/2025 8:49:07 AM                          |
| Supervise By             | mohammad                                         | Supervise On      | 9/23/2025 2:08:18 AM                          |
| SubDirectory             | BN091925                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method bn091125 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                               |
| Tune/Reschk              | SP6757                                           |                   |                                               |
| Initial Calibration Stds | SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848 |                   |                                               |
| CCC                      | SP6846                                           |                   |                                               |
| Internal Standard/PEM    | SP6830,1ul/100ul sample                          |                   |                                               |
| ICV/I.BLK                | SP6854                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

| Sr# | SampleId   | Data File Name | Date-Time         | Operator | Status   |
|-----|------------|----------------|-------------------|----------|----------|
| 1   | DFTPP      | BN037812.D     | 19 Sep 2025 13:39 | RC/JU    | Ok       |
| 2   | SSTDCCC0.4 | BN037813.D     | 19 Sep 2025 14:19 | RC/JU    | Ok       |
| 3   | PB169743BL | BN037814.D     | 19 Sep 2025 14:55 | RC/JU    | Ok       |
| 4   | Q3095-27   | BN037815.D     | 19 Sep 2025 15:32 | RC/JU    | Ok       |
| 5   | Q3083-03DL | BN037816.D     | 19 Sep 2025 16:08 | RC/JU    | Ok       |
| 6   | Q3097-13DL | BN037817.D     | 19 Sep 2025 16:45 | RC/JU    | Ok       |
| 7   | Q3097-19DL | BN037818.D     | 19 Sep 2025 17:21 | RC/JU    | Ok       |
| 8   | Q3097-21   | BN037819.D     | 19 Sep 2025 17:58 | RC/JU    | Ok       |
| 9   | Q3097-22   | BN037820.D     | 19 Sep 2025 18:34 | RC/JU    | Ok       |
| 10  | Q3097-23   | BN037821.D     | 19 Sep 2025 19:11 | RC/JU    | Ok       |
| 11  | Q3097-24   | BN037822.D     | 19 Sep 2025 19:47 | RC/JU    | Dilution |
| 12  | Q3097-25   | BN037823.D     | 19 Sep 2025 20:24 | RC/JU    | Dilution |
| 13  | Q3097-26   | BN037824.D     | 19 Sep 2025 21:00 | RC/JU    | Ok       |
| 14  | Q3127-01   | BN037825.D     | 19 Sep 2025 21:37 | RC/JU    | Ok       |
| 15  | Q3127-02   | BN037826.D     | 19 Sep 2025 22:13 | RC/JU    | Dilution |
| 16  | Q3127-03   | BN037827.D     | 19 Sep 2025 22:50 | RC/JU    | Dilution |
| 17  | Q3127-04   | BN037828.D     | 19 Sep 2025 23:26 | RC/JU    | Dilution |
| 18  | PB169743BS | BN037829.D     | 20 Sep 2025 00:03 | RC/JU    | Ok       |
| 19  | SSTDCCC0.4 | BN037830.D     | 20 Sep 2025 00:39 | RC/JU    | Ok       |
| 20  | DFTPP      | BN037831.D     | 20 Sep 2025 01:16 | RC/JU    | Ok       |
| 21  | SSTDCCC0.4 | BN037832.D     | 20 Sep 2025 02:35 | RC/JU    | Ok       |

Instrument ID: **BNA\_N**

**Daily Analysis Runlog For Sequence/QC Batch ID # BN091925**

| Review By                | Rahul                                            | Review On         | 9/22/2025 8:49:07 AM                          |
|--------------------------|--------------------------------------------------|-------------------|-----------------------------------------------|
| Supervise By             | mohammad                                         | Supervise On      | 9/23/2025 2:08:18 AM                          |
| SubDirectory             | BN091925                                         | HP Acquire Method | BNA_N, 8270_SiM HP Processing Method bn091125 |
| STD. NAME                | STD REF.#                                        |                   |                                               |
| Tune/Reschk              | SP6757                                           |                   |                                               |
| Initial Calibration Stds | SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848 |                   |                                               |
| CCC                      | SP6846                                           |                   |                                               |
| Internal Standard/PEM    | SP6830,1ul/100ul sample                          |                   |                                               |
| ICV/I.BLK                | SP6854                                           |                   |                                               |
| Surrogate Standard       |                                                  |                   |                                               |
| MS/MSD Standard          |                                                  |                   |                                               |
| LCS Standard             |                                                  |                   |                                               |

|    |            |            |                   |       |          |
|----|------------|------------|-------------------|-------|----------|
| 22 | PB169743BL | BN037833.D | 20 Sep 2025 03:12 | RC/JU | Ok       |
| 23 | Q3127-05   | BN037834.D | 20 Sep 2025 03:48 | RC/JU | Ok       |
| 24 | Q3127-06   | BN037835.D | 20 Sep 2025 04:25 | RC/JU | Ok       |
| 25 | Q3127-07   | BN037836.D | 20 Sep 2025 05:01 | RC/JU | Ok       |
| 26 | Q3127-08   | BN037837.D | 20 Sep 2025 05:37 | RC/JU | Dilution |
| 27 | Q3127-09   | BN037838.D | 20 Sep 2025 06:13 | RC/JU | Ok       |
| 28 | Q3127-10   | BN037839.D | 20 Sep 2025 06:50 | RC/JU | Ok       |
| 29 | Q3127-11   | BN037840.D | 20 Sep 2025 07:26 | RC/JU | Ok       |
| 30 | Q3127-12   | BN037841.D | 20 Sep 2025 08:02 | RC/JU | Ok       |
| 31 | Q3127-16   | BN037842.D | 20 Sep 2025 08:38 | RC/JU | Dilution |
| 32 | Q3095-28   | BN037843.D | 20 Sep 2025 09:14 | RC/JU | Ok       |
| 33 | Q3097-20   | BN037844.D | 20 Sep 2025 09:51 | RC/JU | Dilution |
| 34 | Q3127-18   | BN037845.D | 20 Sep 2025 10:27 | RC/JU | Ok       |
| 35 | Q3127-19   | BN037846.D | 20 Sep 2025 11:03 | RC/JU | Ok       |
| 36 | SSTDCCC0.4 | BN037847.D | 20 Sep 2025 11:39 | RC/JU | Ok       |

M : Manual Integration

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN091125**

|              |          |                   |                                           |
|--------------|----------|-------------------|-------------------------------------------|
| Review By    | Rahul    | Review On         | 9/12/2025 10:21:18 AM                     |
| Supervise By | Jagrut   | Supervise On      | 9/12/2025 11:52:20 AM                     |
| SubDirectory | BN091125 | HP Acquire Method | BNA_N, 8270_HP Processing Method bn091125 |

| STD. NAME                                                                                          | STD REF.#                                                        |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | SP6757<br>SP6842, SP6843, SP6844, SP6845, SP6846, SP6847, SP6848 |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | SP6846<br>SP6830, 1ul/100ul sample<br>SP6854                     |

| Sr# | SampleID    | ClientID            | Data File Name | Date-Time         | Comment                           | Operator | Status |
|-----|-------------|---------------------|----------------|-------------------|-----------------------------------|----------|--------|
| 1   | DFTPP       | DFTPP               | BN037689.D     | 11 Sep 2025 07:54 |                                   | RC/JU    | Ok     |
| 2   | SSTDCCC0.4  | SSTDCCC0.4          | BN037690.D     | 11 Sep 2025 09:20 | A Fresh Calibration is required.  | RC/JU    | Ok     |
| 3   | SSTDICC0.1  | SSTDICC0.1          | BN037691.D     | 11 Sep 2025 09:56 |                                   | RC/JU    | Ok     |
| 4   | SSTDICC0.2  | SSTDICC0.2          | BN037692.D     | 11 Sep 2025 10:32 |                                   | RC/JU    | Ok,M   |
| 5   | SSTDICCC0.4 | SSTDICCC0.4         | BN037693.D     | 11 Sep 2025 11:08 |                                   | RC/JU    | Ok     |
| 6   | SSTDICC0.8  | SSTDICC0.8          | BN037694.D     | 11 Sep 2025 11:44 |                                   | RC/JU    | Ok     |
| 7   | SSTDICC1.6  | SSTDICC1.6          | BN037695.D     | 11 Sep 2025 12:20 |                                   | RC/JU    | Ok     |
| 8   | SSTDICC3.2  | SSTDICC3.2          | BN037696.D     | 11 Sep 2025 12:56 |                                   | RC/JU    | Ok     |
| 9   | SSTDICC5.0  | SSTDICC5.0          | BN037697.D     | 11 Sep 2025 13:33 | Compound#14,20 removed from 5 ppm | RC/JU    | Ok     |
| 10  | SSTDICV0.4  | ICVBN091125         | BN037698.D     | 11 Sep 2025 14:09 |                                   | RC/JU    | Ok     |
| 11  | PB169529BL  | PB169529BL          | BN037699.D     | 11 Sep 2025 14:45 |                                   | RC/JU    | Ok     |
| 12  | Q2893-03    | MDL-SOIL-03-QT3-202 | BN037700.D     | 11 Sep 2025 15:21 | MDL-SOIL -0.1 ppm                 | RC/JU    | Ok     |
| 13  | Q2893-03    | MDL-SOIL-03-QT3-202 | BN037701.D     | 11 Sep 2025 15:58 | MDL-SOIL -0.2 ppm                 | RC/JU    | Ok     |
| 14  | Q2893-09    | MDL-WATER-03-QT3-2  | BN037702.D     | 11 Sep 2025 16:34 | MDL-WATER -0.1 ppm                | RC/JU    | Ok     |
| 15  | Q2893-09    | MDL-WATER-03-QT3-2  | BN037703.D     | 11 Sep 2025 17:10 | MDL-WATER -0.2 ppm                | RC/JU    | Ok     |
| 16  | PB169527BL  | PB169527BL          | BN037704.D     | 11 Sep 2025 17:47 |                                   | RC/JU    | Ok     |
| 17  | SSTDCCC0.4  | SSTDCCC0.4EC        | BN037705.D     | 11 Sep 2025 18:23 |                                   | RC/JU    | Ok     |

M : Manual Integration

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN091725**

|              |          |                   |                                           |
|--------------|----------|-------------------|-------------------------------------------|
| Review By    | Rahul    | Review On         | 9/18/2025 2:11:37 PM                      |
| Supervise By | Jagrut   | Supervise On      | 9/18/2025 5:21:45 PM                      |
| SubDirectory | BN091725 | HP Acquire Method | BNA_N, 8270_HP Processing Method bn091125 |

| STD. NAME                                                                                          | STD REF.#                                                        |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | SP6757<br>SP6842, SP6843, SP6844, SP6845, SP6846, SP6847, SP6848 |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | SP6846<br>SP6830, 1ul/100ul sample<br>SP6854                     |

| Sr# | SampleID    | ClientID           | Data File Name | Date-Time         | Comment          | Operator | Status   |
|-----|-------------|--------------------|----------------|-------------------|------------------|----------|----------|
| 1   | DFTPP       | DFTPP              | BN037739.D     | 17 Sep 2025 10:46 |                  | RC/JU    | Ok       |
| 2   | SSTDCCC0.4  | SSTDCCC0.4         | BN037740.D     | 17 Sep 2025 11:25 |                  | RC/JU    | Ok       |
| 3   | PB169692BL  | PB169692BL         | BN037741.D     | 17 Sep 2025 12:02 |                  | RC/JU    | Ok       |
| 4   | Q3095-05    | MW203D2-20250909   | BN037742.D     | 17 Sep 2025 12:38 |                  | RC/JU    | Ok       |
| 5   | Q3095-06MS  | MW203D2-20250909M  | BN037743.D     | 17 Sep 2025 13:14 |                  | RC/JU    | Ok       |
| 6   | Q3095-07MSD | MW203D2-20250909M  | BN037744.D     | 17 Sep 2025 13:59 |                  | RC/JU    | Ok       |
| 7   | Q3086-01    | RW8-SP100-20250911 | BN037745.D     | 17 Sep 2025 14:35 |                  | RC/JU    | Ok       |
| 8   | Q3086-02    | RW8-SP303-20250911 | BN037746.D     | 17 Sep 2025 15:11 |                  | RC/JU    | Ok       |
| 9   | Q3095-01    | MW305I-20250908    | BN037747.D     | 17 Sep 2025 15:47 |                  | RC/JU    | Ok       |
| 10  | Q3095-02    | MW179D-20250908    | BN037748.D     | 17 Sep 2025 16:24 |                  | RC/JU    | Ok       |
| 11  | Q3095-03    | MW201D-20250908    | BN037749.D     | 17 Sep 2025 17:00 | Need 2X Dilution | RC/JU    | Dilution |
| 12  | Q3095-04    | MW179D1-20250908   | BN037750.D     | 17 Sep 2025 17:36 |                  | RC/JU    | Ok       |
| 13  | Q3095-08    | MW203D1-20250909   | BN037751.D     | 17 Sep 2025 18:13 |                  | RC/JU    | Ok       |
| 14  | Q3095-09    | MW179D2-20250909   | BN037752.D     | 17 Sep 2025 18:49 |                  | RC/JU    | Ok       |
| 15  | Q3095-10    | MW201D1-20250909   | BN037753.D     | 17 Sep 2025 19:25 |                  | RC/JU    | Ok       |
| 16  | Q3095-11    | RE122D1-20250909   | BN037754.D     | 17 Sep 2025 20:01 |                  | RC/JU    | Ok       |
| 17  | Q3095-13    | MW178I1-20250909   | BN037755.D     | 17 Sep 2025 20:37 |                  | RC/JU    | Ok       |
| 18  | SP6870      | SP6870             | BN037756.D     | 17 Sep 2025 21:13 |                  | RC/JU    | Ok       |

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN091725**

|                          |                                                  |                   |                                           |
|--------------------------|--------------------------------------------------|-------------------|-------------------------------------------|
| Review By                | Rahul                                            | Review On         | 9/18/2025 2:11:37 PM                      |
| Supervise By             | Jagrut                                           | Supervise On      | 9/18/2025 5:21:45 PM                      |
| SubDirectory             | BN091725                                         | HP Acquire Method | BNA_N, 8270_HP Processing Method bn091125 |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                 |                   |                                           |
| Tune/Reschk              | SP6757                                           |                   |                                           |
| Initial Calibration Stds | SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848 |                   |                                           |
| CCC                      | SP6846                                           |                   |                                           |
| Internal Standard/PEM    | SP6830,1ul/100ul sample                          |                   |                                           |
| ICV/I.BLK                | SP6854                                           |                   |                                           |
| Surrogate Standard       |                                                  |                   |                                           |
| MS/MSD Standard          |                                                  |                   |                                           |
| LCS Standard             |                                                  |                   |                                           |

|    |             |                    |            |                   |                  |       |          |
|----|-------------|--------------------|------------|-------------------|------------------|-------|----------|
| 19 | SSTDCCC0.4  | SSTDCCC0.4EC       | BN037757.D | 17 Sep 2025 21:50 |                  | RC/JU | Ok       |
| 20 | DFTPP       | DFTPP              | BN037758.D | 18 Sep 2025 02:06 |                  | RC/JU | Ok       |
| 21 | SSTDCCC0.4  | SSTDCCC0.4         | BN037759.D | 18 Sep 2025 02:46 |                  | RC/JU | Ok       |
| 22 | PB169692BL  | PB169692BL         | BN037760.D | 18 Sep 2025 03:22 |                  | RC/JU | Ok       |
| 23 | Q3095-12    | MW202D-20250909    | BN037761.D | 18 Sep 2025 03:58 |                  | RC/JU | Ok       |
| 24 | Q3095-14    | RE123D1-20250909   | BN037762.D | 18 Sep 2025 04:34 |                  | RC/JU | Ok       |
| 25 | Q3095-15    | RE123D3-20250909   | BN037763.D | 18 Sep 2025 05:10 |                  | RC/JU | Ok       |
| 26 | Q3095-16    | MW305D-20250909    | BN037764.D | 18 Sep 2025 05:46 |                  | RC/JU | Ok       |
| 27 | Q3095-17    | DUP01-20250909     | BN037765.D | 18 Sep 2025 06:23 |                  | RC/JU | Ok       |
| 28 | Q3095-18    | RE126D2-20250909   | BN037766.D | 18 Sep 2025 06:59 |                  | RC/JU | Ok       |
| 29 | Q3095-19    | RE126D3-20250909   | BN037767.D | 18 Sep 2025 07:35 |                  | RC/JU | Ok       |
| 30 | Q3095-20    | MW178S-20250910    | BN037768.D | 18 Sep 2025 08:11 |                  | RC/JU | Ok       |
| 31 | Q3097-07    | RE108D2-20250911   | BN037769.D | 18 Sep 2025 08:47 |                  | RC/JU | Ok       |
| 32 | Q3097-08    | RE125D2-20250911   | BN037770.D | 18 Sep 2025 09:23 | Need 5X Dilution | RC/JU | Dilution |
| 33 | Q3097-01    | RE103D2-20250911   | BN037771.D | 18 Sep 2025 10:00 |                  | RC/JU | Ok       |
| 34 | Q3097-02MS  | RE103D2-20250911MS | BN037772.D | 18 Sep 2025 11:48 |                  | RC/JU | Ok       |
| 35 | Q3097-03MSD | RE103D2-20250911MS | BN037773.D | 18 Sep 2025 12:25 |                  | RC/JU | Ok       |
| 36 | SSTDCCC0.4  | SSTDCCC0.4EC       | BN037774.D | 18 Sep 2025 13:16 |                  | RC/JU | Ok       |

M : Manual Integration

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN091825**

|              |          |                   |                                           |
|--------------|----------|-------------------|-------------------------------------------|
| Review By    | Rahul    | Review On         | 9/19/2025 8:50:16 AM                      |
| Supervise By | mohammad | Supervise On      | 9/23/2025 2:07:38 AM                      |
| SubDirectory | BN091825 | HP Acquire Method | BNA_N, 8270_HP Processing Method bn091125 |

| STD. NAME                                                                                          | STD REF.#                                                        |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | SP6757<br>SP6842, SP6843, SP6844, SP6845, SP6846, SP6847, SP6848 |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | SP6846<br>SP6830, 1ul/100ul sample<br>SP6854                     |

| Sr# | SampleID   | ClientID           | Data File Name | Date-Time         | Comment          | Operator | Status   |
|-----|------------|--------------------|----------------|-------------------|------------------|----------|----------|
| 1   | DFTPP      | DFTPP              | BN037775.D     | 18 Sep 2025 13:53 |                  | RC/JU    | Ok       |
| 2   | SSTDCCC0.4 | SSTDCCC0.4         | BN037776.D     | 18 Sep 2025 14:32 |                  | RC/JU    | Ok       |
| 3   | PB169693BL | PB169693BL         | BN037777.D     | 18 Sep 2025 15:10 |                  | RC/JU    | Ok       |
| 4   | Q3097-09   | RE108D1-20250911   | BN037778.D     | 18 Sep 2025 15:47 |                  | RC/JU    | Ok       |
| 5   | Q3097-04   | RE125D1-20250911   | BN037779.D     | 18 Sep 2025 16:23 |                  | RC/JU    | Ok       |
| 6   | Q3097-05   | RE125D3-20250911   | BN037780.D     | 18 Sep 2025 17:00 |                  | RC/JU    | Ok       |
| 7   | Q3097-06   | RE103D3-20250911   | BN037781.D     | 18 Sep 2025 17:36 |                  | RC/JU    | Ok       |
| 8   | Q3083-03   | MW3S               | BN037782.D     | 18 Sep 2025 18:12 | Need 2x Dilution | RC/JU    | Dilution |
| 9   | Q3095-21   | RE126D1-20250910   | BN037783.D     | 18 Sep 2025 18:49 |                  | RC/JU    | Ok       |
| 10  | Q3095-22   | MW202D1-20250910   | BN037784.D     | 18 Sep 2025 19:25 |                  | RC/JU    | Ok       |
| 11  | Q3095-23   | RE104D2-20250910   | BN037785.D     | 18 Sep 2025 20:02 |                  | RC/JU    | Ok       |
| 12  | Q3095-24   | MW178I-20250910    | BN037786.D     | 18 Sep 2025 20:38 |                  | RC/JU    | Ok       |
| 13  | Q3095-25   | DUP02-20250910     | BN037787.D     | 18 Sep 2025 21:14 |                  | RC/JU    | Ok       |
| 14  | Q3095-26   | DUP03-20250910     | BN037788.D     | 18 Sep 2025 21:51 |                  | RC/JU    | Ok       |
| 15  | Q3095-03DL | MW201D-20250908DL  | BN037789.D     | 18 Sep 2025 22:27 |                  | RC/JU    | Ok       |
| 16  | Q3097-08DL | RE125D2-20250911DL | BN037790.D     | 18 Sep 2025 23:03 |                  | RC/JU    | Ok       |
| 17  | PB169692BS | PB169692BS         | BN037791.D     | 18 Sep 2025 23:40 |                  | RC/JU    | Ok       |
| 18  | PB169693BS | PB169693BS         | BN037792.D     | 19 Sep 2025 00:16 |                  | RC/JU    | Ok,M     |

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN091825**

| Review By                                                                                          | Rahul                                                      | Review On         | 9/19/2025 8:50:16 AM                      |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------|-------------------------------------------|
| Supervise By                                                                                       | mohammad                                                   | Supervise On      | 9/23/2025 2:07:38 AM                      |
| SubDirectory                                                                                       | BN091825                                                   | HP Acquire Method | BNA_N, 8270_HP Processing Method bn091125 |
| STD. NAME                                                                                          | STD REF.#                                                  |                   |                                           |
| Tune/Reschk<br>Initial Calibration Stds                                                            | SP6757<br>SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848 |                   |                                           |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | SP6846<br>SP6830,1ul/100ul sample<br>SP6854                |                   |                                           |

|    |             |                    |            |                   |                  |       |          |
|----|-------------|--------------------|------------|-------------------|------------------|-------|----------|
| 19 | SSTDCCC0.4  | SSTDCCC0.4EC       | BN037793.D | 19 Sep 2025 00:52 |                  | RC/JU | Ok       |
| 20 | DFTPP       | DFTPP              | BN037794.D | 19 Sep 2025 02:08 |                  | RC/JU | Ok       |
| 21 | SSTDCCC0.4  | SSTDCCC0.4         | BN037795.D | 19 Sep 2025 02:47 |                  | RC/JU | Ok       |
| 22 | PB169692BL  | PB169692BL         | BN037796.D | 19 Sep 2025 03:24 |                  | RC/JU | Ok       |
| 23 | Q3095-29    | RE122D2-20250910   | BN037797.D | 19 Sep 2025 04:00 |                  | RC/JU | Ok       |
| 24 | Q3095-30    | RE104D1-20250910   | BN037798.D | 19 Sep 2025 04:37 |                  | RC/JU | Ok       |
| 25 | Q3095-31    | TT180D-20250911    | BN037799.D | 19 Sep 2025 05:13 |                  | RC/JU | Ok       |
| 26 | Q3095-32    | RE122D3-20250911   | BN037800.D | 19 Sep 2025 05:49 |                  | RC/JU | Ok       |
| 27 | Q3097-10    | RE120D3-20250911   | BN037801.D | 19 Sep 2025 06:25 |                  | RC/JU | Ok       |
| 28 | Q3097-11    | RE105D1-20250911   | BN037802.D | 19 Sep 2025 07:01 |                  | RC/JU | Ok       |
| 29 | Q3097-12    | DUP04-20250911     | BN037803.D | 19 Sep 2025 07:37 |                  | RC/JU | Ok       |
| 30 | Q3097-13    | DUP05-20250911     | BN037804.D | 19 Sep 2025 08:13 | Need 2X Dilution | RC/JU | Dilution |
| 31 | Q3097-14    | RE105D2-20250911   | BN037805.D | 19 Sep 2025 08:49 |                  | RC/JU | Ok       |
| 32 | Q3097-15    | RE117D2-20250911   | BN037806.D | 19 Sep 2025 09:25 |                  | RC/JU | Ok       |
| 33 | Q3097-19    | RE120D1-20250912   | BN037807.D | 19 Sep 2025 10:02 | Need 2X Dilution | RC/JU | Dilution |
| 34 | Q3127-13    | TT119S1-20250916   | BN037808.D | 19 Sep 2025 10:38 |                  | RC/JU | Ok       |
| 35 | Q3127-14MS  | TT119S1-20250916MS | BN037809.D | 19 Sep 2025 11:50 |                  | RC/JU | Ok,M     |
| 36 | Q3127-15MSD | TT119S1-20250916MS | BN037810.D | 19 Sep 2025 12:27 |                  | RC/JU | Ok,M     |
| 37 | SSTDCCC0.4  | SSTDCCC0.4EC       | BN037811.D | 19 Sep 2025 13:03 |                  | RC/JU | Ok       |

**Instrument ID:** BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN091825**

| Review By                | Rahul                                            | Review On         | 9/19/2025 8:50:16 AM                      |
|--------------------------|--------------------------------------------------|-------------------|-------------------------------------------|
| Supervise By             | mohammad                                         | Supervise On      | 9/23/2025 2:07:38 AM                      |
| SubDirectory             | BN091825                                         | HP Acquire Method | BNA_N, 8270_HP Processing Method bn091125 |
| STD. NAME                | STD REF.#                                        |                   |                                           |
| Tune/Reschk              | SP6757                                           |                   |                                           |
| Initial Calibration Stds | SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848 |                   |                                           |
| CCC                      | SP6846                                           |                   |                                           |
| Internal Standard/PEM    | SP6830,1ul/100ul sample                          |                   |                                           |
| ICV/I.BLK                | SP6854                                           |                   |                                           |
| Surrogate Standard       |                                                  |                   |                                           |
| MS/MSD Standard          |                                                  |                   |                                           |
| LCS Standard             |                                                  |                   |                                           |

M : Manual Integration

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN091925**

|              |          |                   |                                           |
|--------------|----------|-------------------|-------------------------------------------|
| Review By    | Rahul    | Review On         | 9/22/2025 8:49:07 AM                      |
| Supervise By | mohammad | Supervise On      | 9/23/2025 2:08:18 AM                      |
| SubDirectory | BN091925 | HP Acquire Method | BNA_N, 8270_HP Processing Method bn091125 |

| STD. NAME                                                                                          | STD REF.#                                                        |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | SP6757<br>SP6842, SP6843, SP6844, SP6845, SP6846, SP6847, SP6848 |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | SP6846<br>SP6830, 1ul/100ul sample<br>SP6854                     |

| Sr# | SampleID   | ClientID           | Data File Name | Date-Time         | Comment          | Operator | Status   |
|-----|------------|--------------------|----------------|-------------------|------------------|----------|----------|
| 1   | DFTPP      | DFTPP              | BN037812.D     | 19 Sep 2025 13:39 |                  | RC/JU    | Ok       |
| 2   | SSTDCCC0.4 | SSTDCCC0.4         | BN037813.D     | 19 Sep 2025 14:19 |                  | RC/JU    | Ok       |
| 3   | PB169743BL | PB169743BL         | BN037814.D     | 19 Sep 2025 14:55 |                  | RC/JU    | Ok       |
| 4   | Q3095-27   | RE117D1-20250910   | BN037815.D     | 19 Sep 2025 15:32 |                  | RC/JU    | Ok       |
| 5   | Q3083-03DL | MW3SDL             | BN037816.D     | 19 Sep 2025 16:08 |                  | RC/JU    | Ok       |
| 6   | Q3097-13DL | DUP05-20250911DL   | BN037817.D     | 19 Sep 2025 16:45 |                  | RC/JU    | Ok       |
| 7   | Q3097-19DL | RE120D1-20250912DL | BN037818.D     | 19 Sep 2025 17:21 |                  | RC/JU    | Ok       |
| 8   | Q3097-21   | RE120D2-20250912   | BN037819.D     | 19 Sep 2025 17:58 |                  | RC/JU    | Ok       |
| 9   | Q3097-22   | RE134D1-20250912   | BN037820.D     | 19 Sep 2025 18:34 |                  | RC/JU    | Ok       |
| 10  | Q3097-23   | RE134D4-20250912   | BN037821.D     | 19 Sep 2025 19:11 |                  | RC/JU    | Ok       |
| 11  | Q3097-24   | RE134D2-20250912   | BN037822.D     | 19 Sep 2025 19:47 | Need 2X Dilution | RC/JU    | Dilution |
| 12  | Q3097-25   | RE134D3-20250912   | BN037823.D     | 19 Sep 2025 20:24 | Need 2X Dilution | RC/JU    | Dilution |
| 13  | Q3097-26   | EB01-20250912      | BN037824.D     | 19 Sep 2025 21:00 |                  | RC/JU    | Ok       |
| 14  | Q3127-01   | DUP08-20250915     | BN037825.D     | 19 Sep 2025 21:37 |                  | RC/JU    | Ok       |
| 15  | Q3127-02   | RE131D1-20250915   | BN037826.D     | 19 Sep 2025 22:13 | Need 2X Dilution | RC/JU    | Dilution |
| 16  | Q3127-03   | RE131D2-20250915   | BN037827.D     | 19 Sep 2025 22:50 | Need 2X Dilution | RC/JU    | Dilution |
| 17  | Q3127-04   | DUP07-20250915     | BN037828.D     | 19 Sep 2025 23:26 | Need 2X Dilution | RC/JU    | Dilution |
| 18  | PB169743BS | PB169743BS         | BN037829.D     | 20 Sep 2025 00:03 |                  | RC/JU    | Ok       |

Instrument ID: BNA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # BN091925**

|              |          |                   |                                           |
|--------------|----------|-------------------|-------------------------------------------|
| Review By    | Rahul    | Review On         | 9/22/2025 8:49:07 AM                      |
| Supervise By | mohammad | Supervise On      | 9/23/2025 2:08:18 AM                      |
| SubDirectory | BN091925 | HP Acquire Method | BNA_N, 8270_HP Processing Method bn091125 |

| STD. NAME                                                                                          | STD REF.#                                                  |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | SP6757<br>SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848 |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | SP6846<br>SP6830,1ul/100ul sample<br>SP6854                |

|    |            |                  |            |                   |                  |       |          |
|----|------------|------------------|------------|-------------------|------------------|-------|----------|
| 19 | SSTDCCC0.4 | SSTDCCC0.4EC     | BN037830.D | 20 Sep 2025 00:39 |                  | RC/JU | Ok       |
| 20 | DFTPP      | DFTPP            | BN037831.D | 20 Sep 2025 01:16 |                  | RC/JU | Ok       |
| 21 | SSTDCCC0.4 | SSTDCCC0.4       | BN037832.D | 20 Sep 2025 02:35 |                  | RC/JU | Ok       |
| 22 | PB169743BL | PB169743BL       | BN037833.D | 20 Sep 2025 03:12 |                  | RC/JU | Ok       |
| 23 | Q3127-05   | TT15811-20250915 | BN037834.D | 20 Sep 2025 03:48 |                  | RC/JU | Ok       |
| 24 | Q3127-06   | TT180D2-20250915 | BN037835.D | 20 Sep 2025 04:25 |                  | RC/JU | Ok       |
| 25 | Q3127-07   | RE135D2-20250915 | BN037836.D | 20 Sep 2025 05:01 |                  | RC/JU | Ok       |
| 26 | Q3127-08   | RE132D6-20250916 | BN037837.D | 20 Sep 2025 05:37 | Need 2X Dilution | RC/JU | Dilution |
| 27 | Q3127-09   | TT101D2-20250915 | BN037838.D | 20 Sep 2025 06:13 |                  | RC/JU | Ok       |
| 28 | Q3127-10   | TT101D-20250915  | BN037839.D | 20 Sep 2025 06:50 |                  | RC/JU | Ok       |
| 29 | Q3127-11   | RE135D3-20250915 | BN037840.D | 20 Sep 2025 07:26 |                  | RC/JU | Ok       |
| 30 | Q3127-12   | RE132D7-20250916 | BN037841.D | 20 Sep 2025 08:02 |                  | RC/JU | Ok       |
| 31 | Q3127-16   | TT101D2-20250915 | BN037842.D | 20 Sep 2025 08:38 | Need 2X Dilution | RC/JU | Dilution |
| 32 | Q3095-28   | RE104D3-20250910 | BN037843.D | 20 Sep 2025 09:14 |                  | RC/JU | Ok       |
| 33 | Q3097-20   | DUP06-20250912   | BN037844.D | 20 Sep 2025 09:51 | Need 2X Dilution | RC/JU | Dilution |
| 34 | Q3127-18   | BPOW1-8-20250917 | BN037845.D | 20 Sep 2025 10:27 |                  | RC/JU | Ok       |
| 35 | Q3127-19   | BPOW1-7-20250917 | BN037846.D | 20 Sep 2025 11:03 |                  | RC/JU | Ok       |
| 36 | SSTDCCC0.4 | SSTDCCC0.4EC     | BN037847.D | 20 Sep 2025 11:39 |                  | RC/JU | Ok       |

M : Manual Integration

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A

Extraction Start Date : 09/15/2025

Matrix : Water

Extraction Start Time : 12:00

Weigh By: N/A

Extraction By: RJ

Extraction End Date : 09/15/2025

Balance check: N/A

Filter By: RJ

Extraction End Time : 16:30

Balance ID: N/A

pH Meter ID: N/A

Concentration By: EH

pH Strip Lot#: N/A

Hood ID: 4,5,6,7

Supervisor By : ritesh

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    | 0.4 PPM             | SP6855              |
| Surrogate     | 1.0ML    | 0.4 PPM             | SP6831              |
| 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            | E3937      |
| Baked Na2SO4       | N/A            | EP2639     |
| H2SO4 1:1          | N/A            | EP2610     |
| 10N NaOH           | N/A            | EP2609     |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |

## Extraction Conformance/Non-Conformance Comments:

PH Adjusted TO &lt;2 with 1:1 H2SO4 &amp; &gt;11with 10N NAOH ,1.5ML Vial Lot #2210443.

KD Bath ID: WATER BATH-1,2

Envap ID: NEVAP-02

KD Bath Temperature: 60 °C

Envap Temperature: 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 9/15/25     | RJ (EXT-100b)                           | Ritesh               |
| 16:35       | Preparation Group                       | Analysis Group       |

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 09/15/2025

| Sample ID  | Client Sample ID | Test               | g / (mL) | PH | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|------------|------------------|--------------------|----------|----|----------------|------------|--------------------|-------|----------|-------------|
|            |                  |                    |          |    | AddedBy        | VerifiedBy |                    |       |          |             |
| PB169693BL | SBLK693          | SVOC-SIMGrou<br>p1 | 1000     | 6  | ritesh         | Evelyn     | 1                  |       |          | SEP-1       |
| PB169693BS | SLCS693          | SVOC-SIMGrou<br>p1 | 1000     | 6  | ritesh         | Evelyn     | 1                  |       |          | 2           |
| Q3083-03   | MW3S             | SVOC-SIM           | 1000     | 6  | ritesh         | Evelyn     | 1                  | C     |          | 3           |
| Q3095-21   | RE126D1-20250910 | SVOC-SIMGrou<br>p1 | 990      | 6  | ritesh         | Evelyn     | 1                  | C     |          | 4           |
| Q3095-22   | MW202D1-20250910 | SVOC-SIMGrou<br>p1 | 1000     | 6  | ritesh         | Evelyn     | 1                  | C     |          | 5           |
| Q3095-23   | RE104D2-20250910 | SVOC-SIMGrou<br>p1 | 980      | 6  | ritesh         | Evelyn     | 1                  | C     |          | 6           |
| Q3095-24   | MW178I-20250910  | SVOC-SIMGrou<br>p1 | 1000     | 6  | ritesh         | Evelyn     | 1                  | C     |          | 7           |
| Q3095-25   | DUP02-20250910   | SVOC-SIMGrou<br>p1 | 970      | 6  | ritesh         | Evelyn     | 1                  | C     |          | 8           |
| Q3095-26   | DUP0-20250910    | SVOC-SIMGrou<br>p1 | 1000     | 6  | ritesh         | Evelyn     | 1                  | C     |          | 9           |
| Q3095-27   | RE117D1-20250910 | SVOC-SIMGrou<br>p1 | 1000     | 6  | ritesh         | Evelyn     | 1                  | C     |          | 10          |
| Q3095-28   | RE104D3-20250910 | SVOC-SIMGrou<br>p1 | 1000     | 6  | ritesh         | Evelyn     | 1                  | C     |          | 11          |
| Q3095-29   | RE122D2-20250910 | SVOC-SIMGrou<br>p1 | 980      | 6  | ritesh         | Evelyn     | 1                  | C     |          | 12          |
| Q3095-30   | RE104D1-20250910 | SVOC-SIMGrou<br>p1 | 1000     | 6  | ritesh         | Evelyn     | 1                  | C     |          | 13          |
| Q3095-31   | TT180D-20250911  | SVOC-SIMGrou<br>p1 | 1000     | 6  | ritesh         | Evelyn     | 1                  | C     |          | 14          |
| Q3095-32   | RE122D3-20250911 | SVOC-SIMGrou<br>p1 | 1000     | 6  | ritesh         | Evelyn     | 1                  | C     |          | 15          |
| Q3097-01   | RE103D2-20250911 | SVOC-SIMGrou<br>p1 | 1000     | 6  | ritesh         | Evelyn     | 1                  | C     |          | 16          |
| Q3097-02   | Q3097-01MS       | SVOC-SIMGrou<br>p1 | 1000     | 6  | ritesh         | Evelyn     | 1                  | C     |          | SEP-1       |
| Q3097-03   | Q3097-01MSD      | SVOC-SIMGrou<br>p1 | 1000     | 6  | ritesh         | Evelyn     | 1                  | C     |          | 2           |
| Q3097-04   | RE125D1-20250911 | SVOC-SIMGrou<br>p1 | 1000     | 6  | ritesh         | Evelyn     | 1                  | C     |          | 3           |
| Q3097-05   | RE125D3-20250911 | SVOC-SIMGrou<br>p1 | 1000     | 6  | ritesh         | Evelyn     | 1                  | C     |          | 4           |
| Q3097-06   | RE103D3-20250911 | SVOC-SIMGrou<br>p1 | 1000     | 6  | ritesh         | Evelyn     | 1                  | C     |          | 5           |
| Q3097-07   | RE108D2-20250911 | SVOC-SIMGrou<br>p1 | 1000     | 6  | ritesh         | Evelyn     | 1                  | C     |          | 6           |
| Q3097-08   | RE125D2-20250911 | SVOC-SIMGrou<br>p1 | 1000     | 6  | ritesh         | Evelyn     | 1                  | C     |          | 7           |
| Q3097-09   | RE108D1-20250911 | SVOC-SIMGrou<br>p1 | 1000     | 6  | ritesh         | Evelyn     | 1                  | C     |          | 8           |

\* Extracts relinquished on the same date as received.

RJ  
9/15

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3095 WorkList ID : 191877 Department : Extraction Date : 09-15-2025 11:28:17

| Sample   | Customer Sample  | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method        |
|----------|------------------|--------|----------------|--------------|----------|-----------------------------|--------------|---------------|
| Q3083-03 | MW3S             | Water  | SVOC-SIM       | Cool 4 deg C | GENV01   | D31                         | 09/11/2025   | 8270-Modified |
| Q3095-21 | RE126D1-20250910 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D31                         | 09/10/2025   | 8270-Modified |
| Q3095-22 | MW202D1-20250910 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D31                         | 09/10/2025   | 8270-Modified |
| Q3095-23 | RE104D2-20250910 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D31                         | 09/10/2025   | 8270-Modified |
| Q3095-24 | MW178I-20250910  | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D31                         | 09/10/2025   | 8270-Modified |
| Q3095-25 | DUP02-20250910   | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D31                         | 09/10/2025   | 8270-Modified |
| Q3095-26 | DUP0-20250910    | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D31                         | 09/10/2025   | 8270-Modified |
| Q3095-27 | RE117D1-20250910 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D31                         | 09/10/2025   | 8270-Modified |
| Q3095-28 | RE104D3-20250910 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D31                         | 09/10/2025   | 8270-Modified |
| Q3095-29 | RE122D2-20250910 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D31                         | 09/10/2025   | 8270-Modified |
| Q3095-30 | RE104D1-20250910 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D31                         | 09/10/2025   | 8270-Modified |
| Q3095-31 | TT180D-20250911  | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D31                         | 09/11/2025   | 8270-Modified |
| Q3095-32 | RE122D3-20250911 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D31                         | 09/11/2025   | 8270-Modified |
| Q3097-01 | RE103D2-20250911 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D41                         | 09/11/2025   | 8270-Modified |
| Q3097-02 | Q3097-01MS       | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D41                         | 09/11/2025   | 8270-Modified |
| Q3097-03 | Q3097-01MSD      | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D41                         | 09/11/2025   | 8270-Modified |
| Q3097-04 | RE125D1-20250911 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D41                         | 09/11/2025   | 8270-Modified |
| Q3097-05 | RE125D3-20250911 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D41                         | 09/11/2025   | 8270-Modified |
| Q3097-06 | RE103D3-20250911 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D41                         | 09/11/2025   | 8270-Modified |
| Q3097-07 | RE108D2-20250911 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D41                         | 09/11/2025   | 8270-Modified |
| Q3097-08 | RE125D2-20250911 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D41                         | 09/11/2025   | 8270-Modified |

Date/Time 09/15/25 11:55  
 Raw Sample Received by: RS (CFL-044)  
 Raw Sample Relinquished by: QSR

Date/Time 09/15/25 12:35  
 Raw Sample Received by: QSR  
 Raw Sample Relinquished by: RS (CFL-044)

# WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3095      WorkList ID : 191877      Department : Extraction      Date : 09-15-2025 11:28:17

| Sample   | Customer Sample  | Matrix | Test           | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method        |
|----------|------------------|--------|----------------|--------------|----------|-----------------------------|--------------|---------------|
| Q3097-09 | RE108D1-20250911 | Water  | SVOC-SIMGroup1 | Cool 4 deg C | AECO15   | D41                         | 09/11/2025   | 8270-Modified |

Date/Time 09/15/25 11:55  
 Raw Sample Received by: R3 (674-1ae6)  
 Raw Sample Relinquished by: AP

Date/Time 09/15/25 12:35  
 Raw Sample Received by: AP  
 Raw Sample Relinquished by: R3 (674-1ae6)



# SHIPPING DOCUMENTS

CLIENT INFORMATION

COMPANY: Environmental  
ADDRESS: 8 CARRIAGE  
CITY: Successville STATE: NJ ZIP: 07876  
ATTENTION:  
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Blanchard  
PROJECT NO.: LOCATION:  
PROJECT MANAGER: GL  
e-mail:  
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Environmental PO#:  
ADDRESS: 8 CARRIAGE  
CITY: Successville STATE: NJ ZIP:  
ATTENTION: PHONE:  
ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) Standard DAYS\*  
HARDCOPY (DATA PACKAGE): Standard DAYS\*  
EDD: Standard DAYS\*  
\*TO BE APPROVED BY CHEMTECH  
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)  
☐ Level 2 (Results + QC) ☒ NJ Reduced ☐ US EPA CLP  
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B  
+ Raw Data ☐ Other Excel  
☒ EDD FORMAT make add

| ALLIANCE<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |      | # OF BOTTLES | PRESERVATIVES |   |   |   |   |   |   |   |   | COMMENTS                                                                   |  |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|------|--------------|---------------|---|---|---|---|---|---|---|---|----------------------------------------------------------------------------|--|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME |              | 1             | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | ← Specify Preservatives<br>A-HCl D-NaOH<br>B-HNO3 E-ICE<br>C-H2SO4 F-OTHER |  |
| 1.                       | MW4S                             | GW               | X              |      | 9/11/25              | 1010 | 2            | X             |   |   |   |   |   |   |   |   |                                                                            |  |
| 2.                       | MW4I                             | GW               | X              |      | 9/11/25              | 1025 | 2            | X             |   |   |   |   |   |   |   |   |                                                                            |  |
| 3.                       | MW3S                             | GW               | X              |      | 9/11/25              | 1235 | 4            | X             |   | X | X |   |   |   |   |   |                                                                            |  |
| 4.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |                                                                            |  |
| 5.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |                                                                            |  |
| 6.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |                                                                            |  |
| 7.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |                                                                            |  |
| 8.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |                                                                            |  |
| 9.                       |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |                                                                            |  |
| 10.                      |                                  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |                                                                            |  |

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

|                                                   |                                    |                                    |                                                                                                                                                                                                       |
|---------------------------------------------------|------------------------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER:<br>1. <u>[Signature]</u> | DATE/TIME:<br><u>9/11/25 12:25</u> | RECEIVED BY:<br><u>[Signature]</u> | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP <u>2.3</u> °C                             |
| RELINQUISHED BY SAMPLER:<br>2. <u>[Signature]</u> | DATE/TIME:                         | RECEIVED BY:                       | Comments: <u>NO SIM NO phenols IAC</u>                                                                                                                                                                |
| RELINQUISHED BY SAMPLER:<br>3. <u>[Signature]</u> | DATE/TIME:                         | RECEIVED BY:                       | Page <u>    </u> of <u>    </u> CLIENT: <input type="checkbox"/> Hand Delivered <input type="checkbox"/> Other <u>    </u> Shipment Complete <input type="checkbox"/> YES <input type="checkbox"/> NO |

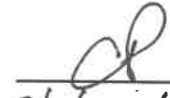
### Laboratory Certification

| Certified By    | License No.      |
|-----------------|------------------|
|                 |                  |
| Connecticut     | PH-0830          |
|                 |                  |
| DOD ELAP (ANAB) | L2219            |
|                 |                  |
| Maine           | 2024021          |
|                 |                  |
| Maryland        | 296              |
|                 |                  |
| New Hampshire   | 255425           |
|                 |                  |
| New Jersey      | 20012            |
|                 |                  |
| New York        | 11376            |
|                 |                  |
| Pennsylvania    | 68-00548         |
|                 |                  |
| Soil Permit     | 525-24-234-08441 |
|                 |                  |
| Texas           | TX-C25-00189     |
|                 |                  |
| Virginia        | 460312           |

## LOGIN REPORT/SAMPLE TRANSFER

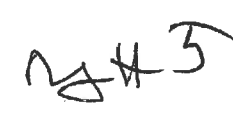
|                                       |        |                                                |                                 |
|---------------------------------------|--------|------------------------------------------------|---------------------------------|
| <b>Order ID :</b> Q3083               | GENV01 | <b>Order Date :</b> 9/11/2025 1:25:37 PM       | <b>Project Mgr :</b>            |
| <b>Client Name :</b> G Environmental  |        | <b>Project Name :</b> Blanchard                | <b>Report Type :</b> NJ Reduced |
| <b>Client Contact :</b> Gary Landis   |        | <b>Receive DateTime :</b> 9/11/2025 1:25:00 PM | <b>EDD Type :</b> HAZ/EXCEL     |
| <b>Invoice Name :</b> G Environmental |        | <b>Purchase Order :</b>                        | <b>Hard Copy Date :</b>         |
| <b>Invoice Contact :</b> Gary Landis  |        |                                                | <b>Date Signoff :</b>           |

| LAB ID   | CLIENT ID | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST          | TEST GROUP | METHOD | FAX DATE     | DUE DATES |
|----------|-----------|--------|-------------|-------------|---------------|------------|--------|--------------|-----------|
| Q3083-01 | MW4S      | Water  | 09/11/2025  | 10:10       | VOC-TCLVOA-10 |            | 8260D  | 10 Bus. Days |           |
| Q3083-02 | MW4I      | Water  | 09/11/2025  | 10:25       | VOC-TCLVOA-10 |            | 8260D  | 10 Bus. Days |           |
| Q3083-03 | MW3S      | Water  | 09/11/2025  | 12:35       | VOC-TCLVOA-10 |            | 8260D  | 10 Bus. Days |           |

Relinquished By : 

Date / Time : 9/11/25 1350

Received By : 

Date / Time : 09/11/25 13:50 

Storage Area : VOA Refridgerator Room