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

**SDG No.:** Q1492  
**Client:** G Environmental

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



# SAMPLE DATA

## Report of Analysis

|                    |                 |                 |          |
|--------------------|-----------------|-----------------|----------|
| Client:            | G Environmental | Date Collected: | 03/05/25 |
| Project:           | Nelson          | Date Received:  | 03/05/25 |
| Client Sample ID:  | RHL1PXI         | SDG No.:        | Q1492    |
| Lab Sample ID:     | Q1492-01        | Matrix:         | SOIL     |
| Analytical Method: | SW8270          | % Solid:        | 92.8     |
| Sample Wt/Vol:     | 30.03           | Units:          | g        |
| Soil Aliquot Vol:  |                 |                 | uL       |
| Extraction Type :  |                 | Decanted :      | N        |
| Injection Volume : |                 | Level :         | LOW      |
|                    |                 | GPC Factor :    | 1.0      |
|                    |                 | GPC Cleanup :   | N        |
|                    |                 | PH :            |          |
| Prep Method :      | SW3541          |                 |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141874.D        | 1         | 03/06/25 09:10 | 03/06/25 17:59 | PB167012      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|------------------------|--------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>            |                        |        |           |                     |            |                   |
| 91-20-3                   | Naphthalene            | 88.9   | U         | 88.9                | 180        | ug/Kg             |
| 208-96-8                  | Acenaphthylene         | 93.1   | U         | 93.1                | 180        | ug/Kg             |
| 83-32-9                   | Acenaphthene           | 87.3   | U         | 87.3                | 180        | ug/Kg             |
| 86-73-7                   | Fluorene               | 92.0   | U         | 92.0                | 180        | ug/Kg             |
| 85-01-8                   | Phenanthrene           | 90.4   | U         | 90.4                | 180        | ug/Kg             |
| 120-12-7                  | Anthracene             | 90.9   | U         | 90.9                | 180        | ug/Kg             |
| 206-44-0                  | Fluoranthene           | 88.0   | U         | 88.0                | 180        | ug/Kg             |
| 129-00-0                  | Pyrene                 | 89.4   | U         | 89.4                | 180        | ug/Kg             |
| 56-55-3                   | Benzo(a)anthracene     | 86.9   | U         | 86.9                | 180        | ug/Kg             |
| 218-01-9                  | Chrysene               | 85.6   | U         | 85.6                | 180        | ug/Kg             |
| 205-99-2                  | Benzo(b)fluoranthene   | 87.3   | U         | 87.3                | 180        | ug/Kg             |
| 207-08-9                  | Benzo(k)fluoranthene   | 88.9   | U         | 88.9                | 180        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene         | 100    | U         | 100                 | 180        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene | 84.1   | U         | 84.1                | 180        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene | 87.4   | U         | 87.4                | 180        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene   | 86.2   | U         | 86.2                | 180        | ug/Kg             |
| <b>SURROGATES</b>         |                        |        |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol         | 117    |           | 30 (18) - 130 (112) | 78%        | SPK: 150          |
| 13127-88-3                | Phenol-d6              | 113    |           | 30 (15) - 130 (107) | 75%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5        | 99.5   |           | 30 (18) - 130 (107) | 100%       | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl       | 89.0   |           | 30 (20) - 130 (109) | 89%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol   | 145    |           | 30 (10) - 130 (116) | 97%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14          | 75.8   |           | 30 (10) - 130 (105) | 76%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                        |        |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 152000 | 6.887     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8         | 583000 | 8.163     |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10       | 314000 | 9.916     |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10       | 497000 | 11.404    |                     |            |                   |
| 1719-03-5                 | Chrysene-d12           | 391000 | 14.045    |                     |            |                   |

## Report of Analysis

|                    |                 |                  |                 |          |      |
|--------------------|-----------------|------------------|-----------------|----------|------|
| Client:            | G Environmental |                  | Date Collected: | 03/05/25 |      |
| Project:           | Nelson          |                  | Date Received:  | 03/05/25 |      |
| Client Sample ID:  | RHL1PXI         |                  | SDG No.:        | Q1492    |      |
| Lab Sample ID:     | Q1492-01        |                  | Matrix:         | SOIL     |      |
| Analytical Method: | SW8270          |                  | % Solid:        | 92.8     |      |
| Sample Wt/Vol:     | 30.03           | Units: g         | Final Vol:      | 1000     | uL   |
| Soil Aliquot Vol:  |                 | uL               | Test:           | SVOC-PAH |      |
| Extraction Type :  |                 | Decanted : N     | Level :         | LOW      |      |
| Injection Volume : |                 | GPC Factor : 1.0 | GPC Cleanup :   | N        | PH : |
| Prep Method :      | SW3541          |                  |                 |          |      |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141874.D        | 1         | 03/06/25 09:10 | 03/06/25 17:59 | PB167012      |

| CAS Number | Parameter    | Conc.  | Qualifier | MDL | LOQ / CRQL | Units |
|------------|--------------|--------|-----------|-----|------------|-------|
| 1520-96-3  | Perylene-d12 | 319000 | 15.521    |     |            |       |

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



# QC SUMMARY

## Surrogate Summary

SW-846

SDG No.: Q1492

Client: G Environmental

Analytical Method: 8270E

| Lab Sample ID | Client ID  | Parameter        | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) |           |
|---------------|------------|------------------|-------------|--------------|--------------|------|------------|-----------|
|               |            |                  |             |              |              |      | Low        | High      |
| PB167012BL    | PB167012BL | Nitrobenzene-d5  | 100         | 80.7         | 81           |      | 30 (18)    | 130 (107) |
|               |            | 2-Fluorobiphenyl | 100         | 76.6         | 77           |      | 30 (20)    | 130 (109) |
|               |            | Terphenyl-d14    | 100         | 79.9         | 80           |      | 30 (10)    | 130 (105) |
| PB167012BS    | PB167012BS | Nitrobenzene-d5  | 100         | 88.5         | 88           |      | 30 (18)    | 130 (107) |
|               |            | 2-Fluorobiphenyl | 100         | 85.4         | 85           |      | 30 (20)    | 130 (109) |
|               |            | Terphenyl-d14    | 100         | 94.4         | 94           |      | 30 (10)    | 130 (105) |
| Q1492-01      | RHL1PXI    | Nitrobenzene-d5  | 100         | 99.5         | 100          |      | 30 (18)    | 130 (107) |
|               |            | 2-Fluorobiphenyl | 100         | 89.0         | 89           |      | 30 (20)    | 130 (109) |
|               |            | Terphenyl-d14    | 100         | 75.8         | 76           |      | 30 (10)    | 130 (105) |
| Q1492-01MS    | RHL1PXIMS  | Nitrobenzene-d5  | 100         | 92.2         | 92           |      | 30 (18)    | 130 (107) |
|               |            | 2-Fluorobiphenyl | 100         | 83.1         | 83           |      | 30 (20)    | 130 (109) |
|               |            | Terphenyl-d14    | 100         | 70.2         | 70           |      | 30 (10)    | 130 (105) |
| Q1492-01MSD   | RHL1PXIMSD | Nitrobenzene-d5  | 100         | 88.3         | 88           |      | 30 (18)    | 130 (107) |
|               |            | 2-Fluorobiphenyl | 100         | 79.5         | 80           |      | 30 (20)    | 130 (109) |
|               |            | Terphenyl-d14    | 100         | 68.8         | 69           |      | 30 (10)    | 130 (105) |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1492

**Client:** G Environmental

**Analytical Method:** SW8270E

| Parameter              | Spike             | Sample Result            | Result           | Units | Rec | Rec Qual | RPD | RPD Qual         | Low               | Limits High | RPD |
|------------------------|-------------------|--------------------------|------------------|-------|-----|----------|-----|------------------|-------------------|-------------|-----|
| <b>Lab Sample ID:</b>  | <b>Q1492-01MS</b> | <b>Client Sample ID:</b> | <b>RHL1PXIMS</b> |       |     |          |     | <b>DataFile:</b> | <b>BF141875.D</b> |             |     |
| Naphthalene            | 1800              | 0                        | 1600             | ug/Kg | 89  |          |     |                  | 70 (72)           | 130 (110)   |     |
| Acenaphthylene         | 1800              | 0                        | 1700             | ug/Kg | 94  |          |     |                  | 70 (79)           | 130 (118)   |     |
| Acenaphthene           | 1800              | 0                        | 1800             | ug/Kg | 100 |          |     |                  | 70 (70)           | 130 (121)   |     |
| Fluorene               | 1800              | 0                        | 1700             | ug/Kg | 94  |          |     |                  | 70 (68)           | 130 (116)   |     |
| Phenanthrene           | 1800              | 0                        | 1700             | ug/Kg | 94  |          |     |                  | 70 (52)           | 130 (128)   |     |
| Anthracene             | 1800              | 0                        | 1700             | ug/Kg | 94  |          |     |                  | 70 (62)           | 130 (124)   |     |
| Fluoranthene           | 1800              | 0                        | 1600             | ug/Kg | 89  |          |     |                  | 70 (44)           | 130 (125)   |     |
| Pyrene                 | 1800              | 0                        | 1400             | ug/Kg | 78  |          |     |                  | 70 (26)           | 130 (142)   |     |
| Benzo(a)anthracene     | 1800              | 0                        | 1700             | ug/Kg | 94  |          |     |                  | 70 (71)           | 130 (114)   |     |
| Chrysene               | 1800              | 0                        | 1600             | ug/Kg | 89  |          |     |                  | 70 (57)           | 130 (121)   |     |
| Benzo(b)fluoranthene   | 1800              | 0                        | 1700             | ug/Kg | 94  |          |     |                  | 70 (67)           | 130 (121)   |     |
| Benzo(k)fluoranthene   | 1800              | 0                        | 1800             | ug/Kg | 100 |          |     |                  | 70 (57)           | 130 (134)   |     |
| Benzo(a)pyrene         | 1800              | 0                        | 1800             | ug/Kg | 100 |          |     |                  | 70 (70)           | 130 (142)   |     |
| Indeno(1,2,3-cd)pyrene | 1800              | 0                        | 1700             | ug/Kg | 94  |          |     |                  | 70 (40)           | 130 (129)   |     |
| Dibenz(a,h)anthracene  | 1800              | 0                        | 1700             | ug/Kg | 94  |          |     |                  | 70 (43)           | 130 (123)   |     |
| Benzo(g,h,i)perylene   | 1800              | 0                        | 1500             | ug/Kg | 83  |          |     |                  | 70 (24)           | 130 (125)   |     |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1492

**Client:** G Environmental

**Analytical Method:** SW8270E

| Parameter              | Spike              | Sample Result            | Result            | Units | Rec | Rec Qual | RPD | RPD Qual         | Low               | Limits High | RPD     |
|------------------------|--------------------|--------------------------|-------------------|-------|-----|----------|-----|------------------|-------------------|-------------|---------|
| <b>Lab Sample ID:</b>  | <b>Q1492-01MSD</b> | <b>Client Sample ID:</b> | <b>RHL1PXIMSD</b> |       |     |          |     | <b>DataFile:</b> | <b>BF141876.D</b> |             |         |
| Naphthalene            | 1800               | 0                        | 1600              | ug/Kg | 89  |          | 0   |                  | 70 (72)           | 130 (110)   | 30 (20) |
| Acenaphthylene         | 1800               | 0                        | 1600              | ug/Kg | 89  |          | 5   |                  | 70 (79)           | 130 (118)   | 30 (20) |
| Acenaphthene           | 1800               | 0                        | 1700              | ug/Kg | 94  |          | 6   |                  | 70 (70)           | 130 (121)   | 30 (20) |
| Fluorene               | 1800               | 0                        | 1600              | ug/Kg | 89  |          | 5   |                  | 70 (68)           | 130 (116)   | 30 (20) |
| Phenanthrene           | 1800               | 0                        | 1600              | ug/Kg | 89  |          | 5   |                  | 70 (52)           | 130 (128)   | 30 (20) |
| Anthracene             | 1800               | 0                        | 1600              | ug/Kg | 89  |          | 5   |                  | 70 (62)           | 130 (124)   | 30 (20) |
| Fluoranthene           | 1800               | 0                        | 1600              | ug/Kg | 89  |          | 0   |                  | 70 (44)           | 130 (125)   | 30 (20) |
| Pyrene                 | 1800               | 0                        | 1300              | ug/Kg | 72  |          | 8   |                  | 70 (26)           | 130 (142)   | 30 (20) |
| Benzo(a)anthracene     | 1800               | 0                        | 1600              | ug/Kg | 89  |          | 5   |                  | 70 (71)           | 130 (114)   | 30 (20) |
| Chrysene               | 1800               | 0                        | 1600              | ug/Kg | 89  |          | 0   |                  | 70 (57)           | 130 (121)   | 30 (20) |
| Benzo(b)fluoranthene   | 1800               | 0                        | 1600              | ug/Kg | 89  |          | 5   |                  | 70 (67)           | 130 (121)   | 30 (20) |
| Benzo(k)fluoranthene   | 1800               | 0                        | 1700              | ug/Kg | 94  |          | 6   |                  | 70 (57)           | 130 (134)   | 30 (20) |
| Benzo(a)pyrene         | 1800               | 0                        | 1700              | ug/Kg | 94  |          | 6   |                  | 70 (70)           | 130 (142)   | 30 (20) |
| Indeno(1,2,3-cd)pyrene | 1800               | 0                        | 1500              | ug/Kg | 83  |          | 12  |                  | 70 (40)           | 130 (129)   | 30 (20) |
| Dibenz(a,h)anthracene  | 1800               | 0                        | 1600              | ug/Kg | 89  |          | 5   |                  | 70 (43)           | 130 (123)   | 30 (20) |
| Benzo(g,h,i)perylene   | 1800               | 0                        | 1400              | ug/Kg | 78  |          | 6   |                  | 70 (24)           | 130 (125)   | 30 (20) |

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1492

Client: G Environmental

Analytical Method: 8270E

DataFile: BF141912.D

| Lab Sample ID | Parameter              | Spike | Result | Unit  | Rec | RPD | Qual | RPD  |         | Limits    |  | RPD |
|---------------|------------------------|-------|--------|-------|-----|-----|------|------|---------|-----------|--|-----|
|               |                        |       |        |       |     |     |      | Qual | Low     | High      |  |     |
| PB167012BS    | Naphthalene            | 1700  | 1300   | ug/Kg | 76  |     |      |      | 70 (62) | 130 (100) |  |     |
|               | Acenaphthylene         | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (63) | 130 (101) |  |     |
|               | Acenaphthene           | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (57) | 130 (104) |  |     |
|               | Fluorene               | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (61) | 130 (101) |  |     |
|               | Phenanthrene           | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (59) | 130 (103) |  |     |
|               | Anthracene             | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (61) | 130 (105) |  |     |
|               | Fluoranthene           | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (57) | 130 (107) |  |     |
|               | Pyrene                 | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (59) | 130 (103) |  |     |
|               | Benzo(a)anthracene     | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (60) | 130 (102) |  |     |
|               | Chrysene               | 1700  | 1400   | ug/Kg | 82  |     |      |      | 70 (59) | 130 (101) |  |     |
|               | Benzo(b)fluoranthene   | 1700  | 1300   | ug/Kg | 76  |     |      |      | 70 (62) | 130 (109) |  |     |
|               | Benzo(k)fluoranthene   | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (62) | 130 (109) |  |     |
|               | Benzo(a)pyrene         | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (63) | 130 (103) |  |     |
|               | Indeno(1,2,3-cd)pyrene | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (63) | 130 (101) |  |     |
|               | Dibenz(a,h)anthracene  | 1700  | 1500   | ug/Kg | 88  |     |      |      | 70 (61) | 130 (112) |  |     |
|               | Benzo(g,h,i)perylene   | 1700  | 1300   | ug/Kg | 76  |     |      |      | 70 (70) | 130 (108) |  |     |

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167012BL

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1492

SAS No.: Q1492 SDG NO.: Q1492

Lab File ID: BF141907.D

Lab Sample ID: PB167012BL

Instrument ID: BNA\_F

Date Extracted: 03/06/2025

Matrix: (soil/water) SOIL

Date Analyzed: 03/10/2025

Level: (low/med) LOW

Time Analyzed: 17:09

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 |
|-------------------|------------------|----------------|------------------|
| PB167012BS        | PB167012BS       | BF141912.D     | 03/11/2025       |
| RHL1PXI           | Q1492-01         | BF141874.D     | 03/06/2025       |
| RHL1PXIMS         | Q1492-01MS       | BF141875.D     | 03/06/2025       |
| RHL1PXIMSD        | Q1492-01MSD      | BF141876.D     | 03/06/2025       |

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q1492

SDG NO.: Q1492

Lab File ID: BF141792.D

DFTPP Injection Date: 02/27/2025

Instrument ID: BNA\_F

DFTPP Injection Time: 14:47

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 34.9                 |
| 68  | Less than 2.0% of mass 69          | 0.6 ( 1.7 ) 1        |
| 69  | Mass 69 relative abundance         | 34.9                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.4 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 46.5                 |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.7                  |
| 275 | 10.0 - 60.0% of mass 198           | 27.6                 |
| 365 | Greater than 1% of mass 198        | 3.7                  |
| 441 | Present, but less than mass 443    | 14.6                 |
| 442 | Greater than 50% of mass 198       | 93.2                 |
| 443 | 15.0 - 24.0% of mass 442           | 18.1 ( 19.4 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC2.5        | SSTDICC2.5       | BF141793.D     | 02/27/2025       | 15:17            |
| SSTDICC005        | SSTDICC005       | BF141794.D     | 02/27/2025       | 15:46            |
| SSTDICC010        | SSTDICC010       | BF141795.D     | 02/27/2025       | 16:16            |
| SSTDICC020        | SSTDICC020       | BF141796.D     | 02/27/2025       | 16:46            |
| SSTDICCC040       | SSTDICCC040      | BF141797.D     | 02/27/2025       | 17:16            |
| SSTDICC050        | SSTDICC050       | BF141798.D     | 02/27/2025       | 17:46            |
| SSTDICC060        | SSTDICC060       | BF141799.D     | 02/27/2025       | 18:15            |
| SSTDICC080        | SSTDICC080       | BF141800.D     | 02/27/2025       | 18:45            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q1492 SDG NO.: Q1492

Lab File ID: BF141857.D

DFTPP Injection Date: 03/06/2025

Instrument ID: BNA\_F

DFTPP Injection Time: 08:34

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 33.8                 |
| 68  | Less than 2.0% of mass 69          | 0.7 ( 2 ) 1          |
| 69  | Mass 69 relative abundance         | 34.8                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.7 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 46.7                 |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 6.9                  |
| 275 | 10.0 - 60.0% of mass 198           | 28.6                 |
| 365 | Greater than 1% of mass 198        | 3.8                  |
| 441 | Present, but less than mass 443    | 15.3                 |
| 442 | Greater than 50% of mass 198       | 94.6                 |
| 443 | 15.0 - 24.0% of mass 442           | 18.6 ( 19.7 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC040        | SSTDCCC040       | BF141858.D     | 03/06/2025       | 09:52            |
| RHL1PXI           | Q1492-01         | BF141874.D     | 03/06/2025       | 17:59            |
| RHL1PXIMS         | Q1492-01MS       | BF141875.D     | 03/06/2025       | 18:29            |
| RHL1PXIMSD        | Q1492-01MSD      | BF141876.D     | 03/06/2025       | 18:58            |

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SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q1492 SDG NO.: Q1492

Lab File ID: BF141896.D

DFTPP Injection Date: 03/10/2025

Instrument ID: BNA\_F

DFTPP Injection Time: 10:31

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 22.7                 |
| 68  | Less than 2.0% of mass 69          | 0.5 ( 1.9 ) 1        |
| 69  | Mass 69 relative abundance         | 25                   |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.7 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 35                   |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 5.3                  |
| 275 | 10.0 - 60.0% of mass 198           | 24.4                 |
| 365 | Greater than 1% of mass 198        | 3.3                  |
| 441 | Present, but less than mass 443    | 15.5                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 19.2 ( 19.2 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDICC2.5        | SSTDICC2.5       | BF141897.D     | 03/10/2025       | 11:01            |
| SSTDICC005        | SSTDICC005       | BF141898.D     | 03/10/2025       | 11:30            |
| SSTDICC010        | SSTDICC010       | BF141899.D     | 03/10/2025       | 12:00            |
| SSTDICC020        | SSTDICC020       | BF141900.D     | 03/10/2025       | 12:29            |
| SSTDICCC040       | SSTDICCC040      | BF141901.D     | 03/10/2025       | 12:58            |
| SSTDICC060        | SSTDICC060       | BF141903.D     | 03/10/2025       | 13:57            |
| SSTDICC080        | SSTDICC080       | BF141904.D     | 03/10/2025       | 14:27            |
| SSTDICC050        | SSTDICC050       | BF141905.D     | 03/10/2025       | 15:20            |
| PB167012BL        | PB167012BL       | BF141907.D     | 03/10/2025       | 17:09            |

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM

SAS No.: Q1492      SDG NO.: Q1492

Lab File ID: BF141909.D

DFTPP Injection Date: 03/11/2025

Instrument ID: BNA\_F

DFTPP Injection Time: 10:52

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 51  | 10.0 - 80.0% of mass 198           | 21.5                 |
| 68  | Less than 2.0% of mass 69          | 0.5 ( 2 ) 1          |
| 69  | Mass 69 relative abundance         | 23.4                 |
| 70  | Less than 2.0% of mass 69          | 0.2 ( 0.7 ) 1        |
| 127 | 10.0 - 80.0% of mass 198           | 33.9                 |
| 197 | Less than 2.0% of mass 198         | 0.0                  |
| 198 | Base Peak, 100% relative abundance | 100                  |
| 199 | 5.0 to 9.0% of mass 198            | 5.1                  |
| 275 | 10.0 - 60.0% of mass 198           | 23.9                 |
| 365 | Greater than 1% of mass 198        | 3.2                  |
| 441 | Present, but less than mass 443    | 15.7                 |
| 442 | Greater than 50% of mass 198       | 100                  |
| 443 | 15.0 - 24.0% of mass 442           | 19.7 ( 19.7 ) 2      |

1-Value is % mass 69

2-Value is % mass 442

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| SSTDCCC040        | SSTDCCC040       | BF141910.D     | 03/11/2025       | 11:51            |
| PB167012BS        | PB167012BS       | BF141912.D     | 03/11/2025       | 12:51            |

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG NO.: Q1492

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/06/2025

Lab File ID: BF141858.D Time Analyzed: 09:52

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

|                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD    | 207866              | 6.887 | 779725              | 8.17  | 422269              | 9.92   |
| UPPER LIMIT    | 415732              | 7.387 | 1559450             | 8.669 | 844538              | 10.422 |
| LOWER LIMIT    | 103933              | 6.387 | 389863              | 7.669 | 211135              | 9.422  |
| EPA SAMPLE NO. |                     |       |                     |       |                     |        |
| 01 RHL1PXI     | 152116              | 6.89  | 583372              | 8.16  | 313503              | 9.92   |
| 02 RHL1PXIMS   | 160920              | 6.89  | 614399              | 8.17  | 327791              | 9.92   |
| 03 RHL1PXIMSD  | 165879              | 6.89  | 641339              | 8.17  | 343104              | 9.92   |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG NO.: Q1492

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/06/2025

Lab File ID: BF141858.D Time Analyzed: 09:52

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

|                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 691934              | 11.404 | 434521              | 14.045 | 382575              | 15.515 |
| UPPER LIMIT    | 1383870             | 11.904 | 869042              | 14.545 | 765150              | 16.015 |
| LOWER LIMIT    | 345967              | 10.904 | 217261              | 13.545 | 191288              | 15.015 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |
| 01 RHL1PXI     | 496736              | 11.40  | 391345              | 14.05  | 319431              | 15.52  |
| 02 RHL1PXIMS   | 514725              | 11.40  | 396501              | 14.05  | 380301              | 15.52  |
| 03 RHL1PXIMSD  | 535087              | 11.40  | 408916              | 14.05  | 392870              | 15.52  |

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: CHEMTECH

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG NO.: Q1492

EPA Sample No.: SSTDICCC040 Date Analyzed: 03/10/2025

Lab File ID: BF141901.D Time Analyzed: 12:58

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

|                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD    | 222904              | 6.881 | 874166              | 8.16  | 493744              | 9.92   |
| UPPER LIMIT    | 445808              | 7.381 | 1748330             | 8.663 | 987488              | 10.416 |
| LOWER LIMIT    | 111452              | 6.381 | 437083              | 7.663 | 246872              | 9.416  |
| EPA SAMPLE NO. |                     |       |                     |       |                     |        |
| 01 PB167012BL  | 215606              | 6.88  | 850637              | 8.16  | 501095              | 9.91   |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG NO.: Q1492

EPA Sample No.: SSTDICCC040 Date Analyzed: 03/10/2025

Lab File ID: BF141901.D Time Analyzed: 12:58

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

|                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 839154              | 11.404 | 569865              | 14.039 | 469286              | 15.509 |
| UPPER LIMIT    | 1678310             | 11.904 | 1139730             | 14.539 | 938572              | 16.009 |
| LOWER LIMIT    | 419577              | 10.904 | 284933              | 13.539 | 234643              | 15.009 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |
| 01 PB167012BL  | 952421              | 11.40  | 661459              | 14.03  | 462716              | 15.50  |

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: CHEMTECH

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG NO.: Q1492

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/11/2025

Lab File ID: BF141910.D Time Analyzed: 11:51

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

|                | IS1 (DCB)<br>AREA # | RT #  | IS2 (NPT)<br>AREA # | RT #  | IS3 (ANT)<br>AREA # | RT #   |
|----------------|---------------------|-------|---------------------|-------|---------------------|--------|
| 12 HOUR STD    | 212930              | 6.881 | 840081              | 8.16  | 479107              | 9.92   |
| UPPER LIMIT    | 425860              | 7.381 | 1680160             | 8.663 | 958214              | 10.416 |
| LOWER LIMIT    | 106465              | 6.381 | 420041              | 7.663 | 239554              | 9.416  |
| EPA SAMPLE NO. |                     |       |                     |       |                     |        |
| 01 PB167012BS  | 184657              | 6.88  | 747989              | 8.16  | 446834              | 9.92   |

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

\* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG NO.: Q1492

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/11/2025

Lab File ID: BF141910.D Time Analyzed: 11:51

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

|                | IS4 (PHN)<br>AREA # | RT #   | IS5 (CRY)<br>AREA # | RT #   | IS6 (PRY)<br>AREA # | RT #   |
|----------------|---------------------|--------|---------------------|--------|---------------------|--------|
| 12 HOUR STD    | 819898              | 11.404 | 519479              | 14.039 | 442953              | 15.509 |
| UPPER LIMIT    | 1639800             | 11.904 | 1038960             | 14.539 | 885906              | 16.009 |
| LOWER LIMIT    | 409949              | 10.904 | 259740              | 13.539 | 221477              | 15.009 |
| EPA SAMPLE NO. |                     |        |                     |        |                     |        |
| 01 PB167012BS  | 767875              | 11.40  | 492551              | 14.04  | 412337              | 15.51  |

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.



# QC SAMPLE DATA

## Report of Analysis

|                    |                 |                 |                      |
|--------------------|-----------------|-----------------|----------------------|
| Client:            | G Environmental | Date Collected: |                      |
| Project:           | Nelson          | Date Received:  |                      |
| Client Sample ID:  | PB167012BL      | SDG No.:        | Q1492                |
| Lab Sample ID:     | PB167012BL      | Matrix:         | SOIL                 |
| Analytical Method: | SW8270          | % Solid:        | 100                  |
| Sample Wt/Vol:     | 30.01           | Units:          | g                    |
| Soil Aliquot Vol:  |                 | Final Vol:      | 1000 uL              |
| Extraction Type :  |                 | Test:           | SVOC-PAH             |
|                    | Decanted :      | Level :         | LOW                  |
| Injection Volume : | GPC Factor :    | 1.0             | GPC Cleanup : N PH : |
| Prep Method :      | SW3541          |                 |                      |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141907.D        | 1         | 03/06/25 09:10 | 03/10/25 17:09 | PB167012      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|------------------------|--------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>            |                        |        |           |                     |            |                   |
| 91-20-3                   | Naphthalene            | 82.6   | U         | 82.6                | 170        | ug/Kg             |
| 208-96-8                  | Acenaphthylene         | 86.5   | U         | 86.5                | 170        | ug/Kg             |
| 83-32-9                   | Acenaphthene           | 81.1   | U         | 81.1                | 170        | ug/Kg             |
| 86-73-7                   | Fluorene               | 85.5   | U         | 85.5                | 170        | ug/Kg             |
| 85-01-8                   | Phenanthrene           | 84.0   | U         | 84.0                | 170        | ug/Kg             |
| 120-12-7                  | Anthracene             | 84.4   | U         | 84.4                | 170        | ug/Kg             |
| 206-44-0                  | Fluoranthene           | 81.7   | U         | 81.7                | 170        | ug/Kg             |
| 129-00-0                  | Pyrene                 | 83.0   | U         | 83.0                | 170        | ug/Kg             |
| 56-55-3                   | Benzo(a)anthracene     | 80.7   | U         | 80.7                | 170        | ug/Kg             |
| 218-01-9                  | Chrysene               | 79.5   | U         | 79.5                | 170        | ug/Kg             |
| 205-99-2                  | Benzo(b)fluoranthene   | 81.1   | U         | 81.1                | 170        | ug/Kg             |
| 207-08-9                  | Benzo(k)fluoranthene   | 82.6   | U         | 82.6                | 170        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene         | 93.0   | U         | 93.0                | 170        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene | 78.1   | U         | 78.1                | 170        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene | 81.2   | U         | 81.2                | 170        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene   | 80.1   | U         | 80.1                | 170        | ug/Kg             |
| <b>SURROGATES</b>         |                        |        |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol         | 113    |           | 30 (18) - 130 (112) | 75%        | SPK: 150          |
| 13127-88-3                | Phenol-d6              | 109    |           | 30 (15) - 130 (107) | 73%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5        | 80.7   |           | 30 (18) - 130 (107) | 81%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl       | 76.6   |           | 30 (20) - 130 (109) | 77%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol   | 123    |           | 30 (10) - 130 (116) | 82%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14          | 79.9   |           | 30 (10) - 130 (105) | 80%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                        |        |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 216000 | 6.881     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8         | 851000 | 8.157     |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10       | 501000 | 9.91      |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10       | 952000 | 11.398    |                     |            |                   |
| 1719-03-5                 | Chrysene-d12           | 661000 | 14.033    |                     |            |                   |

## Report of Analysis

|                    |                 |                  |                 |          |
|--------------------|-----------------|------------------|-----------------|----------|
| Client:            | G Environmental |                  | Date Collected: |          |
| Project:           | Nelson          |                  | Date Received:  |          |
| Client Sample ID:  | PB167012BL      |                  | SDG No.:        | Q1492    |
| Lab Sample ID:     | PB167012BL      |                  | Matrix:         | SOIL     |
| Analytical Method: | SW8270          |                  | % Solid:        | 100      |
| Sample Wt/Vol:     | 30.01           | Units: g         | Final Vol:      | 1000 uL  |
| Soil Aliquot Vol:  |                 | uL               | Test:           | SVOC-PAH |
| Extraction Type :  |                 | Decanted : N     | Level :         | LOW      |
| Injection Volume : |                 | GPC Factor : 1.0 | GPC Cleanup :   | N PH :   |
| Prep Method :      | SW3541          |                  |                 |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141907.D        | 1         | 03/06/25 09:10 | 03/10/25 17:09 | PB167012      |

| CAS Number | Parameter    | Conc.  | Qualifier | MDL | LOQ / CRQL | Units |
|------------|--------------|--------|-----------|-----|------------|-------|
| 1520-96-3  | Perylene-d12 | 463000 | 15.504    |     |            |       |

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

## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | G Environmental     | Date Collected: |              |
| Project:           | Nelson              | Date Received:  |              |
| Client Sample ID:  | PB167012BS          | SDG No.:        | Q1492        |
| Lab Sample ID:     | PB167012BS          | Matrix:         | SOIL         |
| Analytical Method: | SW8270              | % Solid:        | 100          |
| Sample Wt/Vol:     | 30.03      Units: g | Final Vol:      | 1000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | SVOC-PAH     |
| Extraction Type :  | Decanted : N        | Level :         | LOW          |
| Injection Volume : | GPC Factor : 1.0    | GPC Cleanup :   | N      PH :  |
| Prep Method :      | SW3541              |                 |              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141912.D        | 1         | 03/06/25 09:10 | 03/11/25 12:51 | PB167012      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|------------------------|--------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>            |                        |        |           |                     |            |                   |
| 91-20-3                   | Naphthalene            | 1300   |           | 82.5                | 170        | ug/Kg             |
| 208-96-8                  | Acenaphthylene         | 1400   |           | 86.4                | 170        | ug/Kg             |
| 83-32-9                   | Acenaphthene           | 1500   |           | 81.0                | 170        | ug/Kg             |
| 86-73-7                   | Fluorene               | 1400   |           | 85.4                | 170        | ug/Kg             |
| 85-01-8                   | Phenanthrene           | 1400   |           | 83.9                | 170        | ug/Kg             |
| 120-12-7                  | Anthracene             | 1400   |           | 84.3                | 170        | ug/Kg             |
| 206-44-0                  | Fluoranthene           | 1400   |           | 81.6                | 170        | ug/Kg             |
| 129-00-0                  | Pyrene                 | 1400   |           | 82.9                | 170        | ug/Kg             |
| 56-55-3                   | Benzo(a)anthracene     | 1500   |           | 80.6                | 170        | ug/Kg             |
| 218-01-9                  | Chrysene               | 1400   |           | 79.4                | 170        | ug/Kg             |
| 205-99-2                  | Benzo(b)fluoranthene   | 1300   |           | 81.0                | 170        | ug/Kg             |
| 207-08-9                  | Benzo(k)fluoranthene   | 1500   |           | 82.5                | 170        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene         | 1500   |           | 92.9                | 170        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene | 1500   |           | 78.0                | 170        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene | 1500   |           | 81.1                | 170        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene   | 1300   |           | 80.0                | 170        | ug/Kg             |
| <b>SURROGATES</b>         |                        |        |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol         | 127    |           | 30 (18) - 130 (112) | 85%        | SPK: 150          |
| 13127-88-3                | Phenol-d6              | 126    |           | 30 (15) - 130 (107) | 84%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5        | 88.5   |           | 30 (18) - 130 (107) | 88%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl       | 85.4   |           | 30 (20) - 130 (109) | 85%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol   | 139    |           | 30 (10) - 130 (116) | 93%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14          | 94.4   |           | 30 (10) - 130 (105) | 94%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                        |        |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 185000 | 6.881     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8         | 748000 | 8.163     |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10       | 447000 | 9.916     |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10       | 768000 | 11.404    |                     |            |                   |
| 1719-03-5                 | Chrysene-d12           | 493000 | 14.039    |                     |            |                   |

## Report of Analysis

|                    |                 |                  |                 |          |
|--------------------|-----------------|------------------|-----------------|----------|
| Client:            | G Environmental |                  | Date Collected: |          |
| Project:           | Nelson          |                  | Date Received:  |          |
| Client Sample ID:  | PB167012BS      |                  | SDG No.:        | Q1492    |
| Lab Sample ID:     | PB167012BS      |                  | Matrix:         | SOIL     |
| Analytical Method: | SW8270          |                  | % Solid:        | 100      |
| Sample Wt/Vol:     | 30.03           | Units: g         | Final Vol:      | 1000 uL  |
| Soil Aliquot Vol:  |                 | uL               | Test:           | SVOC-PAH |
| Extraction Type :  |                 | Decanted : N     | Level :         | LOW      |
| Injection Volume : |                 | GPC Factor : 1.0 | GPC Cleanup :   | N PH :   |
| Prep Method :      | SW3541          |                  |                 |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141912.D        | 1         | 03/06/25 09:10 | 03/11/25 12:51 | PB167012      |

| CAS Number | Parameter    | Conc.  | Qualifier | MDL | LOQ / CRQL | Units |
|------------|--------------|--------|-----------|-----|------------|-------|
| 1520-96-3  | Perylene-d12 | 412000 | 15.509    |     |            |       |

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

## Report of Analysis

|                    |                 |                 |          |
|--------------------|-----------------|-----------------|----------|
| Client:            | G Environmental | Date Collected: | 03/05/25 |
| Project:           | Nelson          | Date Received:  | 03/05/25 |
| Client Sample ID:  | RHL1PXIMS       | SDG No.:        | Q1492    |
| Lab Sample ID:     | Q1492-01MS      | Matrix:         | SOIL     |
| Analytical Method: | SW8270          | % Solid:        | 92.8     |
| Sample Wt/Vol:     | 30.08           | Units:          | g        |
| Soil Aliquot Vol:  |                 |                 | uL       |
| Extraction Type :  |                 | Decanted :      | N        |
| Injection Volume : |                 | Level :         | LOW      |
|                    |                 | GPC Factor :    | 1.0      |
|                    |                 | GPC Cleanup :   | N        |
|                    |                 | PH :            |          |
| Prep Method :      | SW3541          |                 |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141875.D        | 1         | 03/06/25 09:10 | 03/06/25 18:29 | PB167012      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|------------------------|--------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>            |                        |        |           |                     |            |                   |
| 91-20-3                   | Naphthalene            | 1600   |           | 88.8                | 180        | ug/Kg             |
| 208-96-8                  | Acenaphthylene         | 1700   |           | 93.0                | 180        | ug/Kg             |
| 83-32-9                   | Acenaphthene           | 1800   |           | 87.2                | 180        | ug/Kg             |
| 86-73-7                   | Fluorene               | 1700   |           | 91.9                | 180        | ug/Kg             |
| 85-01-8                   | Phenanthrene           | 1700   |           | 90.3                | 180        | ug/Kg             |
| 120-12-7                  | Anthracene             | 1700   |           | 90.7                | 180        | ug/Kg             |
| 206-44-0                  | Fluoranthene           | 1600   |           | 87.8                | 180        | ug/Kg             |
| 129-00-0                  | Pyrene                 | 1400   |           | 89.2                | 180        | ug/Kg             |
| 56-55-3                   | Benzo(a)anthracene     | 1700   |           | 86.7                | 180        | ug/Kg             |
| 218-01-9                  | Chrysene               | 1600   |           | 85.4                | 180        | ug/Kg             |
| 205-99-2                  | Benzo(b)fluoranthene   | 1700   |           | 87.2                | 180        | ug/Kg             |
| 207-08-9                  | Benzo(k)fluoranthene   | 1800   |           | 88.8                | 180        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene         | 1800   |           | 99.9                | 180        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene | 1700   |           | 83.9                | 180        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene | 1700   |           | 87.3                | 180        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene   | 1500   |           | 86.1                | 180        | ug/Kg             |
| <b>SURROGATES</b>         |                        |        |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol         | 106    |           | 30 (18) - 130 (112) | 71%        | SPK: 150          |
| 13127-88-3                | Phenol-d6              | 104    |           | 30 (15) - 130 (107) | 69%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5        | 92.2   |           | 30 (18) - 130 (107) | 92%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl       | 83.1   |           | 30 (20) - 130 (109) | 83%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol   | 133    |           | 30 (10) - 130 (116) | 89%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14          | 70.2   |           | 30 (10) - 130 (105) | 70%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                        |        |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 161000 | 6.887     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8         | 614000 | 8.169     |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10       | 328000 | 9.922     |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10       | 515000 | 11.404    |                     |            |                   |
| 1719-03-5                 | Chrysene-d12           | 397000 | 14.045    |                     |            |                   |

## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | G Environmental     | Date Collected: | 03/05/25     |
| Project:           | Nelson              | Date Received:  | 03/05/25     |
| Client Sample ID:  | RHL1PXIMS           | SDG No.:        | Q1492        |
| Lab Sample ID:     | Q1492-01MS          | Matrix:         | SOIL         |
| Analytical Method: | SW8270              | % Solid:        | 92.8         |
| Sample Wt/Vol:     | 30.08      Units: g | Final Vol:      | 1000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | SVOC-PAH     |
| Extraction Type :  | Decanted : N        | Level :         | LOW          |
| Injection Volume : | GPC Factor : 1.0    | GPC Cleanup :   | N      PH :  |
| Prep Method :      | SW3541              |                 |              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141875.D        | 1         | 03/06/25 09:10 | 03/06/25 18:29 | PB167012      |

| CAS Number | Parameter    | Conc.  | Qualifier | MDL | LOQ / CRQL | Units |
|------------|--------------|--------|-----------|-----|------------|-------|
| 1520-96-3  | Perylene-d12 | 380000 | 15.521    |     |            |       |

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

## Report of Analysis

|                    |                  |                 |          |
|--------------------|------------------|-----------------|----------|
| Client:            | G Environmental  | Date Collected: | 03/05/25 |
| Project:           | Nelson           | Date Received:  | 03/05/25 |
| Client Sample ID:  | RHL1PXIMSD       | SDG No.:        | Q1492    |
| Lab Sample ID:     | Q1492-01MSD      | Matrix:         | SOIL     |
| Analytical Method: | SW8270           | % Solid:        | 92.8     |
| Sample Wt/Vol:     | 30.05 Units: g   | Final Vol:      | 1000 uL  |
| Soil Aliquot Vol:  | uL               | Test:           | SVOC-PAH |
| Extraction Type :  | Decanted : N     | Level :         | LOW      |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup :   | N PH :   |
| Prep Method :      | SW3541           |                 |          |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141876.D        | 1         | 03/06/25 09:10 | 03/06/25 18:58 | PB167012      |

| CAS Number                | Parameter              | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units(Dry Weight) |
|---------------------------|------------------------|--------|-----------|---------------------|------------|-------------------|
| <b>TARGETS</b>            |                        |        |           |                     |            |                   |
| 91-20-3                   | Naphthalene            | 1600   |           | 88.9                | 180        | ug/Kg             |
| 208-96-8                  | Acenaphthylene         | 1600   |           | 93.1                | 180        | ug/Kg             |
| 83-32-9                   | Acenaphthene           | 1700   |           | 87.2                | 180        | ug/Kg             |
| 86-73-7                   | Fluorene               | 1600   |           | 92.0                | 180        | ug/Kg             |
| 85-01-8                   | Phenanthrene           | 1600   |           | 90.4                | 180        | ug/Kg             |
| 120-12-7                  | Anthracene             | 1600   |           | 90.8                | 180        | ug/Kg             |
| 206-44-0                  | Fluoranthene           | 1600   |           | 87.9                | 180        | ug/Kg             |
| 129-00-0                  | Pyrene                 | 1300   |           | 89.3                | 180        | ug/Kg             |
| 56-55-3                   | Benzo(a)anthracene     | 1600   |           | 86.8                | 180        | ug/Kg             |
| 218-01-9                  | Chrysene               | 1600   |           | 85.5                | 180        | ug/Kg             |
| 205-99-2                  | Benzo(b)fluoranthene   | 1600   |           | 87.2                | 180        | ug/Kg             |
| 207-08-9                  | Benzo(k)fluoranthene   | 1700   |           | 88.9                | 180        | ug/Kg             |
| 50-32-8                   | Benzo(a)pyrene         | 1700   |           | 100                 | 180        | ug/Kg             |
| 193-39-5                  | Indeno(1,2,3-cd)pyrene | 1500   |           | 84.0                | 180        | ug/Kg             |
| 53-70-3                   | Dibenzo(a,h)anthracene | 1600   |           | 87.4                | 180        | ug/Kg             |
| 191-24-2                  | Benzo(g,h,i)perylene   | 1400   |           | 86.2                | 180        | ug/Kg             |
| <b>SURROGATES</b>         |                        |        |           |                     |            |                   |
| 367-12-4                  | 2-Fluorophenol         | 101    |           | 30 (18) - 130 (112) | 68%        | SPK: 150          |
| 13127-88-3                | Phenol-d6              | 99.8   |           | 30 (15) - 130 (107) | 67%        | SPK: 150          |
| 4165-60-0                 | Nitrobenzene-d5        | 88.3   |           | 30 (18) - 130 (107) | 88%        | SPK: 100          |
| 321-60-8                  | 2-Fluorobiphenyl       | 79.5   |           | 30 (20) - 130 (109) | 80%        | SPK: 100          |
| 118-79-6                  | 2,4,6-Tribromophenol   | 128    |           | 30 (10) - 130 (116) | 85%        | SPK: 150          |
| 1718-51-0                 | Terphenyl-d14          | 68.8   |           | 30 (10) - 130 (105) | 69%        | SPK: 100          |
| <b>INTERNAL STANDARDS</b> |                        |        |           |                     |            |                   |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4 | 166000 | 6.887     |                     |            |                   |
| 1146-65-2                 | Naphthalene-d8         | 641000 | 8.169     |                     |            |                   |
| 15067-26-2                | Acenaphthene-d10       | 343000 | 9.922     |                     |            |                   |
| 1517-22-2                 | Phenanthrene-d10       | 535000 | 11.404    |                     |            |                   |
| 1719-03-5                 | Chrysene-d12           | 409000 | 14.045    |                     |            |                   |

## Report of Analysis

|                    |                     |                 |              |
|--------------------|---------------------|-----------------|--------------|
| Client:            | G Environmental     | Date Collected: | 03/05/25     |
| Project:           | Nelson              | Date Received:  | 03/05/25     |
| Client Sample ID:  | RHL1PXIMSD          | SDG No.:        | Q1492        |
| Lab Sample ID:     | Q1492-01MSD         | Matrix:         | SOIL         |
| Analytical Method: | SW8270              | % Solid:        | 92.8         |
| Sample Wt/Vol:     | 30.05      Units: g | Final Vol:      | 1000      uL |
| Soil Aliquot Vol:  | uL                  | Test:           | SVOC-PAH     |
| Extraction Type :  | Decanted : N        | Level :         | LOW          |
| Injection Volume : | GPC Factor : 1.0    | GPC Cleanup :   | N      PH :  |
| Prep Method :      | SW3541              |                 |              |

|                   |           |                |                |               |
|-------------------|-----------|----------------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date      | Date Analyzed  | Prep Batch ID |
| BF141876.D        | 1         | 03/06/25 09:10 | 03/06/25 18:58 | PB167012      |

| CAS Number | Parameter    | Conc.  | Qualifier | MDL | LOQ / CRQL | Units |
|------------|--------------|--------|-----------|-----|------------|-------|
| 1520-96-3  | Perylene-d12 | 393000 | 15.521    |     |            |       |

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



# CALIBRATION SUMMARY

Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
 Method File : 8270-BF022725.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Fri Feb 28 01:48:16 2025  
 Response Via : Initial Calibration

## Calibration Files

2.5 =BF141793.D 5 =BF141794.D 10 =BF141795.D 20 =BF141796.D 40 =BF141797.D 50 =BF141798.D 60 =BF141799.D 80 =BF141800.D

|       | Compound              | 2.5            | 5     | 10    | 20    | 40    | 50    | 60    | 80    | Avg   | %RSD |
|-------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 1) I  | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |      |
| 2)    | 1,4-Dioxane           | 0.613          | 0.554 | 0.576 | 0.596 | 0.545 | 0.554 | 0.541 | 0.568 | 4.81  |      |
| 3)    | Pyridine              | 1.403          | 1.412 | 1.486 | 1.476 | 1.380 | 1.389 | 1.350 | 1.414 | 3.54  |      |
| 4)    | n-Nitrosodimet...     | 0.634          | 0.666 | 0.689 | 0.730 | 0.674 | 0.686 | 0.683 | 0.680 | 4.21  |      |
| 5) S  | 2-Fluorophenol        | 1.348          | 1.315 | 1.326 | 1.286 | 1.185 | 1.176 | 1.131 | 1.252 | 6.91  |      |
| 6)    | Aniline               | 1.746          | 1.727 | 1.805 | 1.809 | 1.642 | 1.625 | 1.509 | 1.695 | 6.42  |      |
| 7) S  | Phenol-d6             | 1.750          | 1.707 | 1.728 | 1.684 | 1.541 | 1.523 | 1.477 | 1.630 | 6.90  |      |
| 8)    | 2-Chlorophenol        | 1.442          | 1.406 | 1.439 | 1.412 | 1.299 | 1.266 | 1.220 | 1.355 | 6.72  |      |
| 9)    | Benzaldehyde          | 1.151          | 1.088 | 1.024 | 0.982 | 0.874 | 0.824 | 0.694 | 0.948 | 16.84 |      |
| 10) C | Phenol                | 1.854          | 1.823 | 1.866 | 1.819 | 1.641 | 1.625 | 1.564 | 1.742 | 7.26  |      |
| 11)   | bis(2-Chloroet...     | 1.377          | 1.376 | 1.392 | 1.339 | 1.279 | 1.265 | 1.265 | 1.328 | 4.26  |      |
| 12)   | 1,3-Dichlorobe...     | 1.544          | 1.520 | 1.541 | 1.504 | 1.378 | 1.361 | 1.308 | 1.451 | 6.80  |      |
| 13) C | 1,4-Dichlorobe...     | 1.554          | 1.533 | 1.549 | 1.512 | 1.390 | 1.377 | 1.317 | 1.462 | 6.66  |      |
| 14)   | 1,2-Dichlorobe...     | 1.493          | 1.444 | 1.476 | 1.401 | 1.286 | 1.270 | 1.186 | 1.365 | 8.63  |      |
| 15)   | Benzyl Alcohol        | 1.347          | 1.353 | 1.374 | 1.366 | 1.258 | 1.241 | 1.180 | 1.303 | 5.82  |      |
| 16)   | 2,2'-oxybis(1-...     | 2.139          | 2.094 | 2.149 | 2.079 | 1.930 | 1.910 | 1.814 | 2.016 | 6.47  |      |
| 17)   | 2-Methylphenol        | 1.155          | 1.132 | 1.165 | 1.164 | 1.079 | 1.084 | 1.049 | 1.118 | 4.22  |      |
| 18)   | Hexachloroethane      | 0.559          | 0.542 | 0.575 | 0.578 | 0.533 | 0.530 | 0.513 | 0.547 | 4.39  |      |
| 19) P | n-Nitroso-di-n...     | 1.133          | 1.136 | 1.105 | 1.120 | 1.087 | 1.009 | 1.007 | 0.975 | 1.072 | 6.01 |
| 20)   | 3+4-Methylphenols     | 1.507          | 1.510 | 1.506 | 1.442 | 1.304 | 1.281 | 1.198 | 1.392 | 9.29  |      |
| 21) I | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |      |
| 22)   | Acetophenone          | 0.539          | 0.517 | 0.512 | 0.497 | 0.456 | 0.455 | 0.434 | 0.487 | 8.04  |      |
| 23) S | Nitrobenzene-d5       | 0.248          | 0.271 | 0.318 | 0.341 | 0.332 | 0.340 | 0.339 | 0.313 | 12.10 |      |
| 24)   | Nitrobenzene          | 0.273          | 0.303 | 0.346 | 0.363 | 0.349 | 0.357 | 0.354 | 0.335 | 10.07 |      |
| 25)   | Isophorone            | 0.702          | 0.682 | 0.690 | 0.682 | 0.642 | 0.659 | 0.649 | 0.672 | 3.35  |      |
| 26) C | 2-Nitrophenol         | 0.079          | 0.090 | 0.116 | 0.144 | 0.145 | 0.155 | 0.158 | 0.127 | 25.21 |      |
| 27)   | 2,4-Dimethylph...     | 0.258          | 0.250 | 0.256 | 0.254 | 0.238 | 0.238 | 0.236 | 0.247 | 3.87  |      |
| 28)   | bis(2-Chloroet...     | 0.463          | 0.448 | 0.450 | 0.435 | 0.404 | 0.408 | 0.394 | 0.429 | 6.19  |      |
| 29) C | 2,4-Dichloroph...     | 0.280          | 0.288 | 0.296 | 0.298 | 0.277 | 0.281 | 0.275 | 0.285 | 3.20  |      |
| 30)   | 1,2,4-Trichlor...     | 0.328          | 0.321 | 0.327 | 0.319 | 0.298 | 0.301 | 0.292 | 0.312 | 4.71  |      |
| 31)   | Naphthalene           | 1.140          | 1.097 | 1.100 | 1.043 | 0.960 | 0.950 | 0.906 | 1.028 | 8.74  |      |
| 32)   | Benzoic acid          |                | 0.099 | 0.145 | 0.191 | 0.200 | 0.215 | 0.226 | 0.179 | 26.89 |      |
| 33)   | 4-Chloroaniline       | 0.402          | 0.392 | 0.398 | 0.379 | 0.350 | 0.356 | 0.360 | 0.377 | 5.66  |      |
| 34) C | Hexachlorobuta...     | 0.199          | 0.193 | 0.202 | 0.199 | 0.188 | 0.191 | 0.187 | 0.194 | 2.98  |      |
| 35)   | Caprolactam           | 0.087          | 0.086 | 0.090 | 0.091 | 0.085 | 0.089 | 0.086 | 0.088 | 2.77  |      |
| 36) C | 4-Chloro-3-met...     | 0.333          | 0.316 | 0.329 | 0.326 | 0.300 | 0.310 | 0.303 | 0.317 | 4.16  |      |
| 37)   | 2-Methylnaphth...     | 0.762          | 0.725 | 0.723 | 0.677 | 0.621 | 0.619 | 0.591 | 0.674 | 9.66  |      |
| 38)   | 1-Methylnaphth...     | 0.734          | 0.688 | 0.697 | 0.652 | 0.594 | 0.594 | 0.570 | 0.647 | 9.67  |      |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
 Method File : 8270-BF022725.M

|       |                   |                |       |       |       |       |       |       |       |       |  |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 39) I | Acenaphthene-d10  | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 40)   | 1,2,4,5-Tetrac... | 0.609          | 0.600 | 0.602 | 0.589 | 0.549 | 0.553 | 0.540 | 0.578 | 5.03  |  |
| 41) P | Hexachlorocycl... | 0.217          | 0.230 | 0.252 | 0.258 | 0.246 | 0.247 | 0.236 | 0.241 | 5.87  |  |
| 42) S | 2,4,6-Tribromo... | 0.175          | 0.179 | 0.188 | 0.199 | 0.183 | 0.196 | 0.194 | 0.188 | 4.80  |  |
| 43) C | 2,4,6-Trichlor... | 0.355          | 0.368 | 0.381 | 0.398 | 0.366 | 0.368 | 0.377 | 0.373 | 3.65  |  |
| 44)   | 2,4,5-Trichlor... | 0.348          | 0.364 | 0.388 | 0.383 | 0.364 | 0.380 | 0.360 | 0.369 | 3.89  |  |
| 45) S | 2-Fluorobiphenyl  | 1.443          | 1.387 | 1.346 | 1.237 | 1.128 | 1.141 | 1.049 | 1.247 | 11.93 |  |
| 46)   | 1,1'-Biphenyl     | 1.694          | 1.659 | 1.630 | 1.519 | 1.413 | 1.419 | 1.323 | 1.522 | 9.38  |  |
| 47)   | 2-Chloronaphth... | 1.211          | 1.184 | 1.201 | 1.135 | 1.058 | 1.071 | 1.006 | 1.124 | 7.10  |  |
| 48)   | 2-Nitroaniline    | 0.152          | 0.187 | 0.246 | 0.300 | 0.297 | 0.319 | 0.323 | 0.260 | 26.00 |  |
| 49)   | Acenaphthylene    | 1.847          | 1.809 | 1.798 | 1.711 | 1.560 | 1.596 | 1.472 | 1.685 | 8.54  |  |
| 50)   | Dimethylphthalate | 1.431          | 1.405 | 1.405 | 1.363 | 1.262 | 1.285 | 1.224 | 1.339 | 6.09  |  |
| 51)   | 2,6-Dinitrotol... | 0.136          | 0.184 | 0.231 | 0.257 | 0.251 | 0.265 | 0.261 | 0.226 | 21.50 |  |
| 52) C | Acenaphthene      | 1.217          | 1.201 | 1.197 | 1.150 | 1.068 | 1.084 | 1.039 | 1.137 | 6.37  |  |
| 53)   | 3-Nitroaniline    | 0.146          | 0.193 | 0.243 | 0.277 | 0.264 | 0.282 | 0.280 | 0.241 | 21.68 |  |
| 54) P | 2,4-Dinitrophenol |                | 0.049 | 0.066 | 0.093 | 0.096 | 0.112 | 0.116 | 0.089 | 29.73 |  |
| 55)   | Dibenzofuran      | 1.850          | 1.794 | 1.765 | 1.663 | 1.532 | 1.542 | 1.436 | 1.654 | 9.40  |  |
| 56) P | 4-Nitrophenol     | 0.129          | 0.159 | 0.197 | 0.228 | 0.215 | 0.229 | 0.227 | 0.198 | 19.87 |  |
| 57)   | 2,4-Dinitrotol... | 0.151          | 0.198 | 0.265 | 0.313 | 0.310 | 0.325 | 0.320 | 0.269 | 25.57 |  |
| 58)   | Fluorene          | 1.433          | 1.367 | 1.313 | 1.228 | 1.128 | 1.134 | 1.072 | 1.239 | 10.97 |  |
| 59)   | 2,3,4,6-Tetrac... | 0.313          | 0.314 | 0.336 | 0.339 | 0.309 | 0.322 | 0.315 | 0.321 | 3.66  |  |
| 60)   | Diethylphthalate  | 1.429          | 1.413 | 1.428 | 1.383 | 1.259 | 1.275 | 1.212 | 1.343 | 6.78  |  |
| 61)   | 4-Chlorophenyl... | 0.691          | 0.665 | 0.654 | 0.620 | 0.572 | 0.583 | 0.562 | 0.621 | 8.09  |  |
| 62)   | 4-Nitroaniline    | 0.149          | 0.187 | 0.229 | 0.267 | 0.248 | 0.265 | 0.256 | 0.229 | 19.54 |  |
| 63)   | Azobenzene        | 1.544          | 1.503 | 1.505 | 1.437 | 1.320 | 1.325 | 1.262 | 1.414 | 7.81  |  |
| 64) I | Phenanthrene-d10  | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 65)   | 4,6-Dinitro-2-... |                | 0.043 | 0.063 | 0.087 | 0.090 | 0.100 | 0.103 | 0.081 | 28.86 |  |
| 66) c | n-Nitrosodiphe... | 0.702          | 0.681 | 0.689 | 0.665 | 0.631 | 0.623 | 0.607 | 0.657 | 5.56  |  |
| 67)   | 4-Bromophenyl-... | 0.241          | 0.237 | 0.239 | 0.238 | 0.227 | 0.230 | 0.224 | 0.234 | 2.86  |  |
| 68)   | Hexachlorobenzene | 0.253          | 0.249 | 0.255 | 0.251 | 0.240 | 0.242 | 0.237 | 0.247 | 2.79  |  |
| 69)   | Atrazine          | 0.213          | 0.208 | 0.196 | 0.179 | 0.149 | 0.139 |       | 0.181 | 17.11 |  |
| 70) C | Pentachlorophenol | 0.137          | 0.146 | 0.161 | 0.169 | 0.159 | 0.164 | 0.160 | 0.156 | 7.07  |  |
| 71)   | Phenanthrene      | 1.186          | 1.152 | 1.134 | 1.073 | 1.001 | 1.001 | 0.940 | 1.070 | 8.58  |  |
| 72)   | Anthracene        | 1.203          | 1.156 | 1.155 | 1.068 | 1.002 | 0.990 | 0.931 | 1.072 | 9.54  |  |
| 73)   | Carbazole         | 1.074          | 1.010 | 1.014 | 0.955 | 0.882 | 0.871 | 0.821 | 0.947 | 9.69  |  |
| 74)   | Di-n-butylphth... | 1.335          | 1.291 | 1.291 | 1.208 | 1.128 | 1.114 | 1.035 | 1.200 | 9.30  |  |
| 75) C | Fluoranthene      | 1.285          | 1.216 | 1.192 | 1.089 | 0.992 | 0.981 | 0.917 | 1.096 | 12.66 |  |
| 76) I | Chrysene-d12      | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 77)   | Benzidine         |                | 0.342 | 0.198 | 0.259 | 0.214 | 0.181 | 0.316 | 0.252 | 26.09 |  |
| 78)   | Pyrene            | 1.698          | 1.687 | 1.815 | 1.796 | 1.738 | 1.734 | 1.656 | 1.732 | 3.32  |  |
| 79) S | Terphenyl-d14     | 1.250          | 1.233 | 1.297 | 1.259 | 1.230 | 1.227 | 1.157 | 1.236 | 3.43  |  |
| 80)   | Butylbenzylpht... | 0.546          | 0.579 | 0.643 | 0.668 | 0.650 | 0.667 | 0.652 | 0.629 | 7.54  |  |
| 81)   | Benzo(a)anthra... | 1.367          | 1.387 | 1.384 | 1.312 | 1.244 | 1.262 | 1.292 | 1.321 | 4.46  |  |
| 82)   | 3,3'-Dichlorob... | 0.406          | 0.380 | 0.382 | 0.393 | 0.364 | 0.364 | 0.365 | 0.379 | 4.27  |  |
| 83)   | Chrysene          | 1.303          | 1.184 | 1.235 | 1.265 | 1.185 | 1.209 | 1.144 | 1.218 | 4.42  |  |
| 84)   | Bis(2-ethylhex... | 0.702          | 0.696 | 0.788 | 0.832 | 0.811 | 0.828 | 0.827 | 0.783 | 7.59  |  |
| 85) c | Di-n-octyl pht... | 0.903          | 0.922 | 1.109 | 1.307 | 1.304 | 1.318 | 1.348 | 1.173 | 16.59 |  |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
Method File : 8270-BF022725.M

|       |                   |                |       |       |       |       |       |       |       |       |  |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 86) I | Perylene-d12      | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 87)   | Indeno(1,2,3-c... | 1.097          | 1.126 | 1.240 | 1.346 | 1.337 | 1.371 | 1.397 | 1.274 | 9.52  |  |
| 88)   | Benzo(b)fluora... | 1.442          | 1.396 | 1.533 | 1.306 | 1.232 | 1.370 | 1.256 | 1.362 | 7.81  |  |
| 89)   | Benzo(k)fluora... | 1.274          | 1.240 | 1.098 | 1.214 | 1.165 | 1.040 | 1.074 | 1.158 | 7.70  |  |
| 90) C | Benzo(a)pyrene    | 1.113          | 1.083 | 1.133 | 1.119 | 1.060 | 1.080 | 1.060 | 1.093 | 2.68  |  |
| 91)   | Dibenzo(a,h)an... | 0.902          | 0.931 | 1.025 | 1.109 | 1.094 | 1.101 | 1.115 | 1.040 | 8.63  |  |
| 92)   | Benzo(g,h,i)pe... | 0.898          | 0.929 | 1.034 | 1.130 | 1.129 | 1.156 | 1.179 | 1.065 | 10.60 |  |

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(#) = Out of Range

Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
 Method File : 8270-BF031025.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 Last Update : Mon Mar 10 15:46:22 2025  
 Response Via : Initial Calibration

## Calibration Files

2.5 =BF141897.D 5 =BF141898.D 10 =BF141899.D 20 =BF141900.D 40 =BF141901.D 50 =BF141905.D 60 =BF141903.D 80 =BF141904.D

|       | Compound              | 2.5            | 5     | 10    | 20    | 40    | 50    | 60    | 80    | Avg   | %RSD  |
|-------|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1) I  | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 2)    | 1,4-Dioxane           | 0.490          | 0.482 | 0.536 | 0.504 | 0.495 | 0.501 | 0.508 | 0.502 |       | 3.43  |
| 3)    | Pyridine              | 1.217          | 1.204 | 1.334 | 1.221 | 1.203 | 1.209 | 1.233 | 1.232 |       | 3.77  |
| 4)    | n-Nitrosodimet...     | 0.554          | 0.556 | 0.621 | 0.583 | 0.595 | 0.594 | 0.607 | 0.587 |       | 4.26  |
| 5) S  | 2-Fluorophenol        | 1.267          | 1.243 | 1.298 | 1.148 | 1.162 | 1.146 | 1.124 | 1.198 |       | 5.79  |
| 6)    | Aniline               | 1.599          | 1.602 | 1.640 | 1.465 | 1.443 | 1.435 | 1.351 | 1.505 |       | 7.20  |
| 7) S  | Phenol-d6             | 1.623          | 1.593 | 1.644 | 1.442 | 1.483 | 1.471 | 1.424 | 1.526 |       | 5.99  |
| 8)    | 2-Chlorophenol        | 1.421          | 1.354 | 1.434 | 1.259 | 1.295 | 1.284 | 1.256 | 1.329 |       | 5.63  |
| 9)    | Benzaldehyde          |                | 1.021 | 0.975 | 0.778 | 0.778 | 0.716 |       | 0.853 |       | 15.85 |
| 10) C | Phenol                | 1.708          | 1.675 | 1.747 | 1.536 | 1.542 | 1.532 | 1.496 | 1.605 |       | 6.30  |
| 11)   | bis(2-Chloroet...     | 1.287          | 1.246 | 1.281 | 1.144 | 1.175 | 1.176 | 1.127 | 1.205 |       | 5.43  |
| 12)   | 1,3-Dichlorobe...     | 1.475          | 1.489 | 1.538 | 1.373 | 1.401 | 1.401 | 1.367 | 1.435 |       | 4.59  |
| 13) C | 1,4-Dichlorobe...     | 1.514          | 1.503 | 1.548 | 1.393 | 1.408 | 1.420 | 1.376 | 1.452 |       | 4.71  |
| 14)   | 1,2-Dichlorobe...     | 1.461          | 1.417 | 1.460 | 1.303 | 1.315 | 1.343 | 1.273 | 1.367 |       | 5.69  |
| 15)   | Benzyl Alcohol        | 1.236          | 1.252 | 1.322 | 1.185 | 1.214 | 1.246 | 1.180 | 1.233 |       | 3.91  |
| 16)   | 2,2'-oxybis(1-...     | 1.591          | 1.525 | 1.534 | 1.363 | 1.387 | 1.472 | 1.313 | 1.455 |       | 7.07  |
| 17)   | 2-Methylphenol        | 1.080          | 1.050 | 1.122 | 1.008 | 1.038 | 1.079 | 1.021 | 1.057 |       | 3.73  |
| 18)   | Hexachloroethane      | 0.545          | 0.551 | 0.576 | 0.517 | 0.540 | 0.560 | 0.522 | 0.544 |       | 3.76  |
| 19) P | n-Nitroso-di-n...     | 1.020          | 1.024 | 1.000 | 1.043 | 0.913 | 0.940 | 0.991 | 0.912 | 0.980 | 5.29  |
| 20)   | 3+4-Methylphenols     | 1.449          | 1.394 | 1.470 | 1.294 | 1.311 | 1.334 | 1.223 | 1.354 |       | 6.55  |
| 21) I | Naphthalene-d8        | -----ISTD----- |       |       |       |       |       |       |       |       |       |
| 22)   | Acetophenone          | 0.514          | 0.493 | 0.513 | 0.460 | 0.450 | 0.469 | 0.453 | 0.479 |       | 5.76  |
| 23) S | Nitrobenzene-d5       | 0.345          | 0.356 | 0.379 | 0.348 | 0.344 | 0.363 | 0.353 | 0.355 |       | 3.47  |
| 24)   | Nitrobenzene          | 0.347          | 0.351 | 0.375 | 0.346 | 0.343 | 0.359 | 0.352 | 0.353 |       | 3.07  |
| 25)   | Isophorone            | 0.647          | 0.620 | 0.655 | 0.600 | 0.605 | 0.648 | 0.622 | 0.628 |       | 3.49  |
| 26) C | 2-Nitrophenol         | 0.150          | 0.159 | 0.182 | 0.175 | 0.179 | 0.188 | 0.181 | 0.173 |       | 7.88  |
| 27)   | 2,4-Dimethylph...     | 0.247          | 0.234 | 0.251 | 0.231 | 0.233 | 0.244 | 0.232 | 0.239 |       | 3.45  |
| 28)   | bis(2-Chloroet...     | 0.411          | 0.406 | 0.416 | 0.372 | 0.377 | 0.397 | 0.378 | 0.394 |       | 4.63  |
| 29) C | 2,4-Dichloroph...     | 0.292          | 0.295 | 0.309 | 0.286 | 0.295 | 0.303 | 0.294 | 0.296 |       | 2.54  |
| 30)   | 1,2,4-Trichlor...     | 0.337          | 0.325 | 0.342 | 0.310 | 0.318 | 0.333 | 0.322 | 0.327 |       | 3.50  |
| 31)   | Naphthalene           | 1.104          | 1.075 | 1.101 | 0.984 | 1.001 | 0.973 | 0.954 | 1.027 |       | 6.22  |
| 32)   | Benzoic acid          |                | 0.149 | 0.191 | 0.208 | 0.228 | 0.242 | 0.241 | 0.210 |       | 17.07 |
| 33)   | 4-Chloroaniline       | 0.383          | 0.378 | 0.393 | 0.351 | 0.354 | 0.352 | 0.329 | 0.363 |       | 6.14  |
| 34) C | Hexachlorobuta...     | 0.211          | 0.211 | 0.221 | 0.203 | 0.214 | 0.214 | 0.216 | 0.213 |       | 2.52  |
| 35)   | Caprolactam           | 0.092          | 0.089 | 0.094 | 0.084 | 0.088 | 0.090 | 0.094 | 0.090 |       | 4.00  |
| 36) C | 4-Chloro-3-met...     | 0.334          | 0.331 | 0.349 | 0.318 | 0.329 | 0.334 | 0.320 | 0.331 |       | 3.13  |
| 37)   | 2-Methylnaphth...     | 0.746          | 0.709 | 0.733 | 0.653 | 0.655 | 0.667 | 0.645 | 0.687 |       | 6.09  |
| 38)   | 1-Methylnaphth...     | 0.717          | 0.691 | 0.721 | 0.623 | 0.619 | 0.647 | 0.620 | 0.663 |       | 6.95  |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
 Method File : 8270-BF031025.M

|       |                   |                |       |       |       |       |       |       |       |       |  |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| 39) I | Acenaphthene-d10  | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 40)   | 1,2,4,5-Tetrac... | 0.615          | 0.604 | 0.626 | 0.592 | 0.597 | 0.606 | 0.623 | 0.609 | 2.11  |  |
| 41) P | Hexachlorocycl... | 0.204          | 0.221 | 0.249 | 0.250 | 0.237 | 0.252 | 0.256 | 0.238 | 8.03  |  |
| 42) S | 2,4,6-Tribromo... | 0.234          | 0.236 | 0.259 | 0.250 | 0.259 | 0.265 | 0.272 | 0.254 | 5.67  |  |
| 43) C | 2,4,6-Trichlor... | 0.388          | 0.389 | 0.402 | 0.398 | 0.400 | 0.401 | 0.409 | 0.398 | 1.91  |  |
| 44)   | 2,4,5-Trichlor... | 0.396          | 0.391 | 0.422 | 0.389 | 0.400 | 0.415 | 0.407 | 0.403 | 3.05  |  |
| 45) S | 2-Fluorobiphenyl  | 1.430          | 1.379 | 1.379 | 1.254 | 1.272 | 1.246 | 1.246 | 1.315 | 5.95  |  |
| 46)   | 1,1'-Biphenyl     | 1.636          | 1.573 | 1.591 | 1.454 | 1.502 | 1.431 | 1.450 | 1.520 | 5.29  |  |
| 47)   | 2-Chloronaphth... | 1.197          | 1.141 | 1.181 | 1.091 | 1.129 | 1.090 | 1.100 | 1.133 | 3.82  |  |
| 48)   | 2-Nitroaniline    | 0.296          | 0.314 | 0.346 | 0.322 | 0.356 | 0.332 | 0.330 | 0.328 | 6.08  |  |
| 49)   | Acenaphthylene    | 1.765          | 1.740 | 1.778 | 1.635 | 1.664 | 1.595 | 1.589 | 1.681 | 4.74  |  |
| 50)   | Dimethylphthalate | 1.481          | 1.414 | 1.469 | 1.329 | 1.425 | 1.345 | 1.341 | 1.401 | 4.47  |  |
| 51)   | 2,6-Dinitrotol... | 0.277          | 0.279 | 0.305 | 0.285 | 0.307 | 0.296 | 0.292 | 0.292 | 4.11  |  |
| 52) C | Acenaphthene      | 1.236          | 1.195 | 1.231 | 1.146 | 1.144 | 1.165 | 1.152 | 1.181 | 3.37  |  |
| 53)   | 3-Nitroaniline    | 0.291          | 0.295 | 0.316 | 0.293 | 0.283 | 0.301 | 0.291 | 0.296 | 3.61  |  |
| 54) P | 2,4-Dinitrophenol |                | 0.085 | 0.124 | 0.142 | 0.153 | 0.161 | 0.169 | 0.139 | 22.02 |  |
| 55)   | Dibenzofuran      | 1.849          | 1.787 | 1.791 | 1.614 | 1.607 | 1.596 | 1.570 | 1.688 | 6.87  |  |
| 56) P | 4-Nitrophenol     | 0.192          | 0.216 | 0.234 | 0.230 | 0.229 | 0.230 | 0.230 | 0.223 | 6.60  |  |
| 57)   | 2,4-Dinitrotol... | 0.365          | 0.382 | 0.402 | 0.375 | 0.383 | 0.383 | 0.376 | 0.381 | 2.95  |  |
| 58)   | Fluorene          | 1.443          | 1.361 | 1.381 | 1.229 | 1.243 | 1.234 | 1.220 | 1.302 | 7.01  |  |
| 59)   | 2,3,4,6-Tetrac... | 0.355          | 0.365 | 0.390 | 0.359 | 0.364 | 0.366 | 0.369 | 0.367 | 3.05  |  |
| 60)   | Diethylphthalate  | 1.475          | 1.471 | 1.497 | 1.336 | 1.357 | 1.338 | 1.302 | 1.397 | 5.80  |  |
| 61)   | 4-Chlorophenyl... | 0.730          | 0.688 | 0.702 | 0.643 | 0.664 | 0.656 | 0.667 | 0.679 | 4.41  |  |
| 62)   | 4-Nitroaniline    | 0.284          | 0.288 | 0.304 | 0.288 | 0.287 | 0.286 | 0.278 | 0.288 | 2.73  |  |
| 63)   | Azobenzene        | 1.392          | 1.363 | 1.404 | 1.245 | 1.261 | 1.226 | 1.197 | 1.298 | 6.57  |  |
| 64) I | Phenanthrene-d10  | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 65)   | 4,6-Dinitro-2-... |                | 0.083 | 0.111 | 0.121 | 0.130 | 0.133 | 0.137 | 0.119 | 16.61 |  |
| 66) c | n-Nitrosodiphe... | 0.675          | 0.651 | 0.671 | 0.620 | 0.638 | 0.638 | 0.637 | 0.647 | 3.03  |  |
| 67)   | 4-Bromophenyl-... | 0.240          | 0.249 | 0.255 | 0.244 | 0.263 | 0.245 | 0.262 | 0.251 | 3.55  |  |
| 68)   | Hexachlorobenzene | 0.262          | 0.267 | 0.284 | 0.269 | 0.283 | 0.271 | 0.292 | 0.275 | 3.92  |  |
| 69)   | Atrazine          | 0.216          | 0.213 | 0.193 | 0.164 | 0.206 |       |       | 0.198 | 10.72 |  |
| 70) C | Pentachlorophenol | 0.130          | 0.151 | 0.172 | 0.177 | 0.180 | 0.186 | 0.191 | 0.170 | 12.66 |  |
| 71)   | Phenanthrene      | 1.155          | 1.151 | 1.138 | 1.038 | 1.026 | 1.032 | 1.023 | 1.080 | 5.90  |  |
| 72)   | Anthracene        | 1.173          | 1.139 | 1.139 | 1.046 | 1.026 | 1.036 | 1.026 | 1.084 | 5.89  |  |
| 73)   | Carbazole         | 0.996          | 0.994 | 0.985 | 0.908 | 0.903 | 0.892 | 0.864 | 0.935 | 5.91  |  |
| 74)   | Di-n-butylphth... | 1.320          | 1.321 | 1.319 | 1.177 | 1.238 | 1.175 | 1.132 | 1.240 | 6.50  |  |
| 75) C | Fluoranthene      | 1.234          | 1.226 | 1.228 | 1.108 | 1.148 | 1.059 | 1.017 | 1.146 | 7.66  |  |
| 76) I | Chrysene-d12      | -----ISTD----- |       |       |       |       |       |       |       |       |  |
| 77)   | Benzydine         | 0.347          | 0.309 | 0.190 | 0.360 | 0.220 | 0.275 | 0.252 | 0.279 | 22.73 |  |
| 78)   | Pyrene            | 1.695          | 1.651 | 1.727 | 1.611 | 1.877 | 1.823 | 1.726 | 1.730 | 5.38  |  |
| 79) S | Terphenyl-d14     | 1.343          | 1.309 | 1.360 | 1.276 | 1.380 | 1.417 | 1.384 | 1.353 | 3.56  |  |
| 80)   | Butylbenzylpht... | 0.629          | 0.656 | 0.702 | 0.655 | 0.703 | 0.717 | 0.677 | 0.677 | 4.72  |  |
| 81)   | Benzo(a)anthra... | 1.370          | 1.304 | 1.334 | 1.273 | 1.294 | 1.317 | 1.294 | 1.312 | 2.41  |  |
| 82)   | 3,3'-Dichlorob... | 0.370          | 0.389 | 0.380 | 0.372 | 0.365 | 0.394 | 0.384 | 0.379 | 2.78  |  |
| 83)   | Chrysene          | 1.143          | 1.194 | 1.260 | 1.136 | 1.192 | 1.213 | 1.189 | 1.190 | 3.53  |  |
| 84)   | Bis(2-ethylhex... | 0.897          | 0.912 | 0.966 | 0.904 | 0.978 | 0.952 | 0.927 | 0.934 | 3.43  |  |
| 85) c | Di-n-octyl pht... | 1.145          | 1.219 | 1.338 | 1.265 | 1.376 | 1.390 | 1.361 | 1.299 | 7.10  |  |

Method Path : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\  
Method File : 8270-BF031025.M

|       |                   |                |       |       |       |       |       |       |       |       |
|-------|-------------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 86) I | Perylene-d12      | -----ISTD----- |       |       |       |       |       |       |       |       |
| 87)   | Indeno(1,2,3-c... | 1.097          | 1.142 | 1.308 | 1.287 | 1.322 | 1.472 | 1.429 | 1.294 | 10.60 |
| 88)   | Benzo(b)fluora... | 1.420          | 1.310 | 1.485 | 1.210 | 1.346 | 1.390 | 1.434 | 1.371 | 6.65  |
| 89)   | Benzo(k)fluora... | 1.162          | 1.268 | 1.197 | 1.205 | 1.129 | 1.210 | 1.041 | 1.173 | 6.16  |
| 90) C | Benzo(a)pyrene    | 1.040          | 1.042 | 1.123 | 1.036 | 1.083 | 1.083 | 1.101 | 1.073 | 3.16  |
| 91)   | Dibenzo(a,h)an... | 0.910          | 0.953 | 1.073 | 1.068 | 1.095 | 1.195 | 1.178 | 1.067 | 9.91  |
| 92)   | Benzo(g,h,i)pe... | 0.912          | 0.949 | 1.061 | 1.065 | 1.064 | 1.167 | 1.167 | 1.055 | 9.24  |

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(#) = Out of Range

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG No.: Q1492

Instrument ID: BNA\_F Calibration Date/Time: 03/06/2025 09:52

Lab File ID: BF141858.D Init. Calib. Date(s): 02/27/2025 02/27/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 15:17 18:45

GC Column: DB-UI ID: 0.18 (mm)

| COMPOUND                 | RRF   | RRF040 | MIN<br>RRF | %D   | MAX%D |
|--------------------------|-------|--------|------------|------|-------|
| 2-Fluorophenol           | 1.252 | 1.263  |            | 0.9  |       |
| Phenol-d6                | 1.630 | 1.584  |            | -2.8 |       |
| Nitrobenzene-d5          | 0.313 | 0.382  |            | 22.0 |       |
| Naphthalene              | 1.028 | 1.054  |            | 2.5  |       |
| 2-Fluorobiphenyl         | 1.247 | 1.292  |            | 3.6  |       |
| Acenaphthylene           | 1.685 | 1.735  |            | 3.0  |       |
| Acenaphthene             | 1.137 | 1.209  |            | 6.3  | 20.0  |
| Fluorene                 | 1.239 | 1.270  |            | 2.5  |       |
| 2,4,6-Tribromophenol     | 0.188 | 0.224  |            | 19.1 |       |
| Phenanthrene             | 1.070 | 1.115  |            | 4.2  |       |
| Anthracene               | 1.072 | 1.115  |            | 4.0  |       |
| Fluoranthene             | 1.096 | 1.142  |            | 4.2  | 20.0  |
| Pyrene                   | 1.732 | 1.820  |            | 5.1  |       |
| Terphenyl-d14            | 1.236 | 1.301  |            | 5.3  |       |
| Benzo (a) anthracene     | 1.321 | 1.360  |            | 3.0  |       |
| Chrysene                 | 1.218 | 1.218  |            | 0.0  |       |
| Benzo (b) fluoranthene   | 1.362 | 1.388  |            | 1.9  |       |
| Benzo (k) fluoranthene   | 1.158 | 1.073  |            | -7.3 |       |
| Benzo (a) pyrene         | 1.093 | 1.113  |            | 1.8  | 20.0  |
| Indeno (1,2,3-cd) pyrene | 1.274 | 1.507  |            | 18.3 |       |
| Dibenzo (a,h) anthracene | 1.040 | 1.220  |            | 17.3 |       |
| Benzo (g,h,i) perylene   | 1.065 | 1.282  |            | 20.4 |       |

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1492 SAS No.: Q1492 SDG No.: Q1492

Instrument ID: BNA\_F Calibration Date/Time: 03/11/2025 11:51

Lab File ID: BF141910.D Init. Calib. Date(s): 03/10/2025 03/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:01 15:20

GC Column: DB-UI ID: 0.18 (mm)

| COMPOUND                 | RRF   | RRF040 | MIN<br>RRF | %D    | MAX%D |
|--------------------------|-------|--------|------------|-------|-------|
| 2-Fluorophenol           | 1.198 | 1.135  |            | -5.3  |       |
| Phenol-d6                | 1.526 | 1.442  |            | -5.5  |       |
| Nitrobenzene-d5          | 0.355 | 0.347  |            | -2.3  |       |
| Naphthalene              | 1.027 | 0.978  |            | -4.8  |       |
| 2-Fluorobiphenyl         | 1.315 | 1.239  |            | -5.8  |       |
| Acenaphthylene           | 1.681 | 1.623  |            | -3.5  |       |
| Acenaphthene             | 1.181 | 1.139  |            | -3.6  | 20.0  |
| Fluorene                 | 1.302 | 1.239  |            | -4.8  |       |
| 2,4,6-Tribromophenol     | 0.254 | 0.255  |            | 0.4   |       |
| Phenanthrene             | 1.080 | 1.027  |            | -4.9  |       |
| Anthracene               | 1.084 | 1.031  |            | -4.9  |       |
| Fluoranthene             | 1.146 | 1.067  |            | -6.9  | 20.0  |
| Pyrene                   | 1.730 | 1.662  |            | -3.9  |       |
| Terphenyl-d14            | 1.353 | 1.336  |            | -1.3  |       |
| Benzo (a) anthracene     | 1.312 | 1.219  |            | -7.1  |       |
| Chrysene                 | 1.190 | 1.169  |            | -1.8  |       |
| Benzo (b) fluoranthene   | 1.371 | 1.224  |            | -10.7 |       |
| Benzo (k) fluoranthene   | 1.173 | 1.141  |            | -2.7  |       |
| Benzo (a) pyrene         | 1.073 | 1.020  |            | -4.9  | 20.0  |
| Indeno (1,2,3-cd) pyrene | 1.294 | 1.240  |            | -4.2  |       |
| Dibenzo (a,h) anthracene | 1.067 | 1.021  |            | -4.3  |       |
| Benzo (g,h,i) perylene   | 1.055 | 1.000  |            | -5.2  |       |

All other compounds must meet a minimum RRF of 0.010.



# SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030625\  
Data File : BF141874.D  
Acq On : 06 Mar 2025 17:59  
Operator : RC/JU  
Sample : Q1492-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RHL1PXI

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K

Quant Time: Mar 07 00:18:37 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:48:16 2025  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.887  | 152  | 152116   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.163  | 136  | 583372   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10        | 9.916  | 164  | 313503   | 20.000  | ng    | -0.01    |
| 64) Phenanthrene-d10        | 11.404 | 188  | 496736   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.045 | 240  | 391345   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.521 | 264  | 319431   | 20.000  | ng    | 0.00     |
|                             |        |      |          |         |       |          |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.499  | 112  | 1119085  | 117.487 | ng    | 0.00     |
| 7) Phenol-d6                | 6.504  | 99   | 1396721  | 112.658 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.440  | 82   | 908150   | 99.506  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.704 | 330  | 426706   | 144.979 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.239  | 172  | 1739161  | 88.951  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.992 | 244  | 1833470  | 75.800  | ng    | 0.00     |

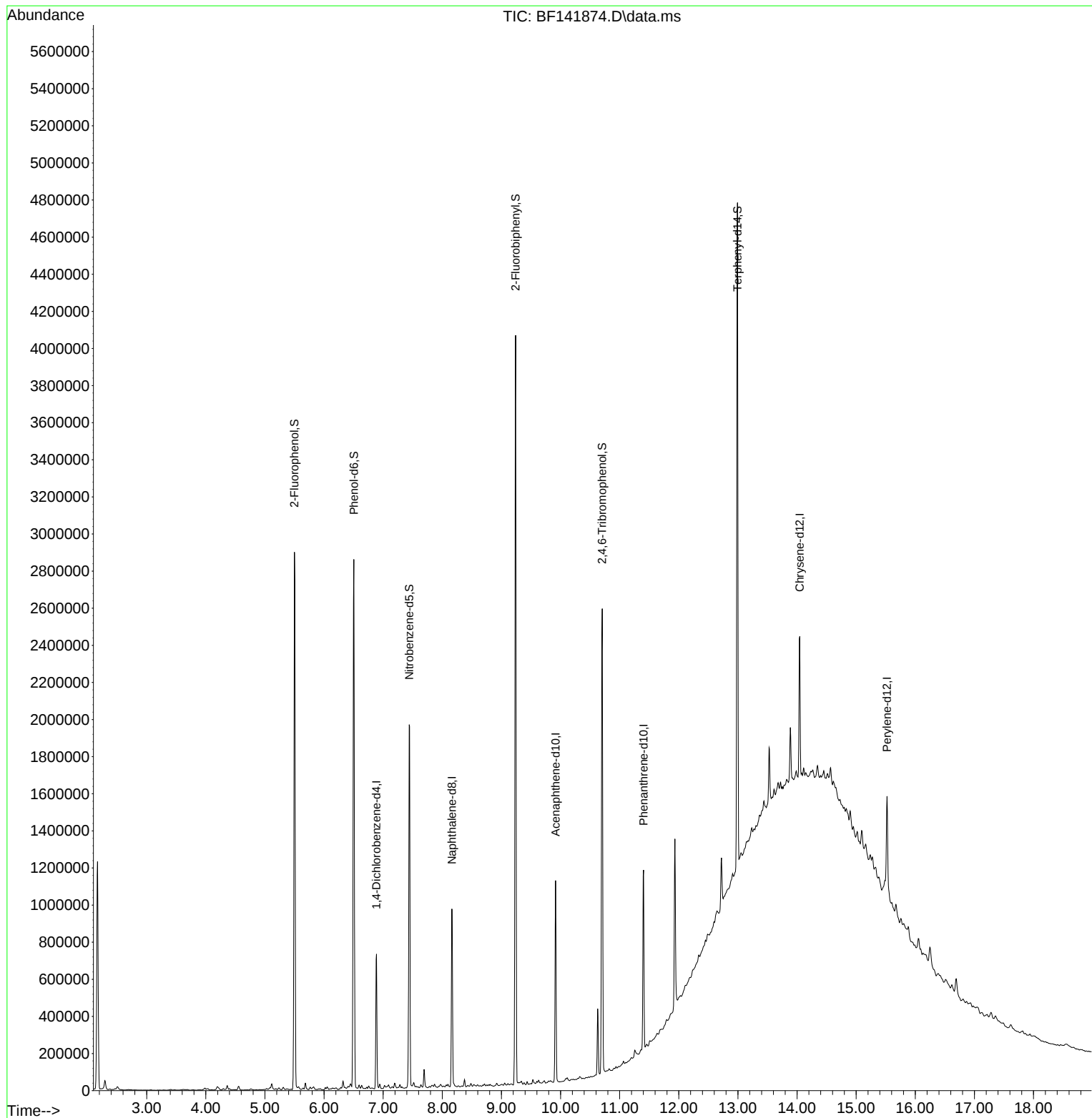
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

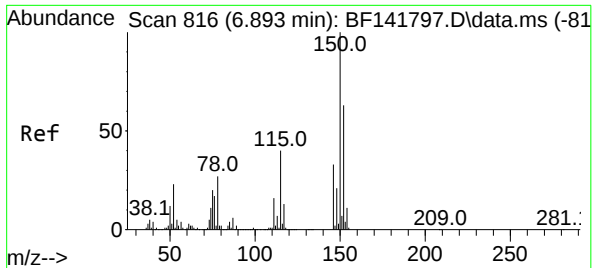
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030625\  
Data File : BF141874.D  
Acq On : 06 Mar 2025 17:59  
Operator : RC/JU  
Sample : Q1492-01  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RHL1PXi

Quant Time: Mar 07 00:18:37 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:48:16 2025  
Response via : Initial Calibration

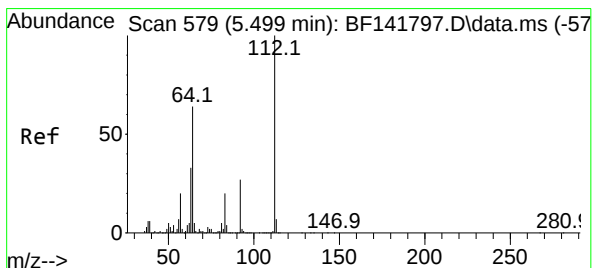
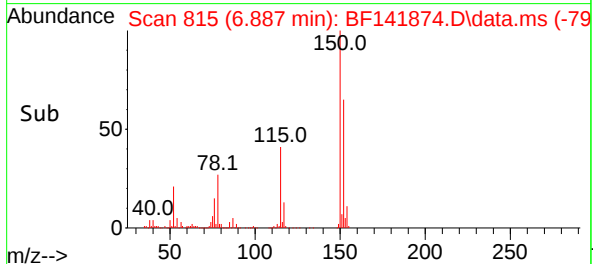
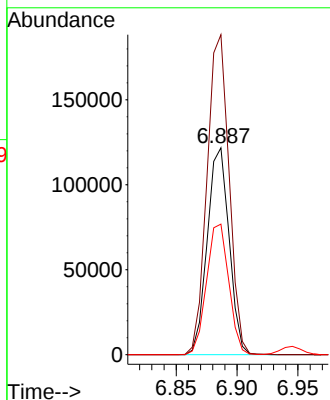
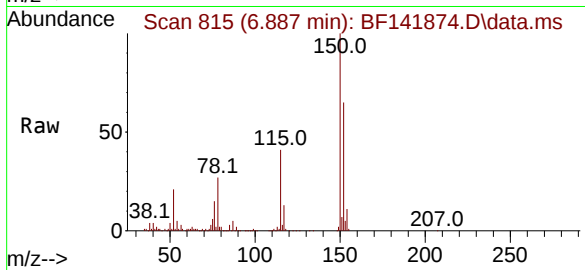




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.887 min Scan# 816  
Delta R.T. -0.006 min  
Lab File: BF141874.D  
Acq: 06 Mar 2025 17:59

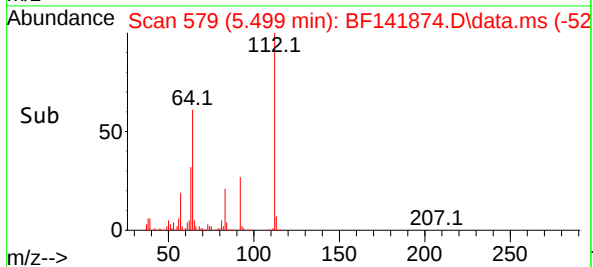
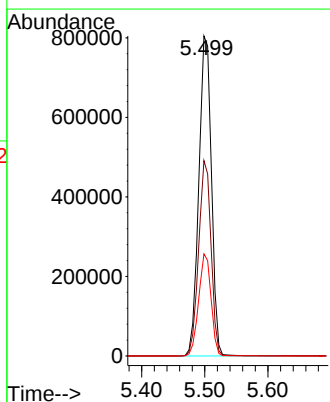
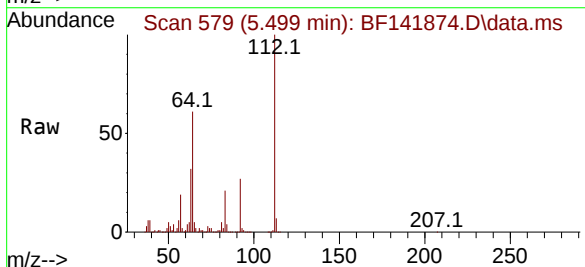
Instrument :  
BNA\_F  
ClientSampleId :  
RHL1PXI

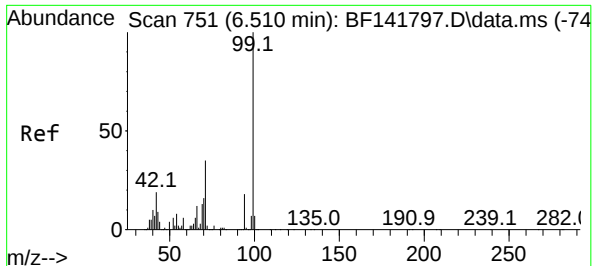
Tgt Ion:152 Resp: 152116  
Ion Ratio Lower Upper  
152 100  
150 154.6 127.5 191.3  
115 63.1 51.4 77.2



#5  
2-Fluorophenol  
Concen: 117.487 ng  
RT: 5.499 min Scan# 579  
Delta R.T. -0.000 min  
Lab File: BF141874.D  
Acq: 06 Mar 2025 17:59

Tgt Ion:112 Resp: 1119085  
Ion Ratio Lower Upper  
112 100  
64 61.1 51.3 76.9  
63 31.9 26.2 39.4



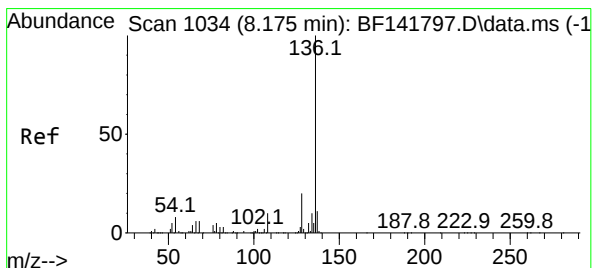
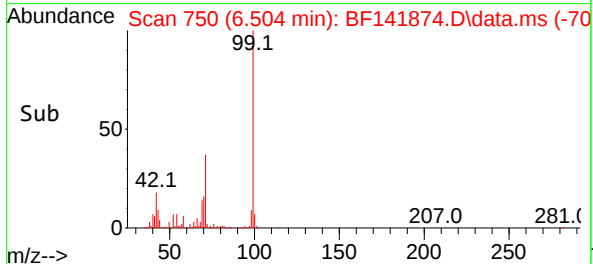
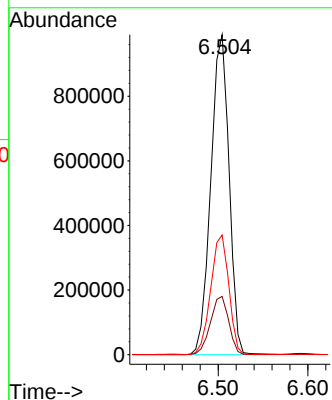
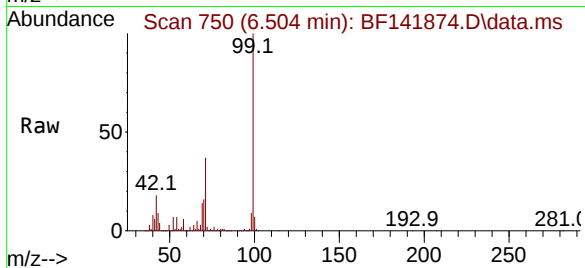


#7  
Phenol-d6  
Concen: 112.658 ng  
RT: 6.504 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BF141874.D  
Acq: 06 Mar 2025 17:59

Instrument :  
BNA\_F  
ClientSampleId :  
RHL1PXI

Tgt Ion: 99 Resp: 1396721

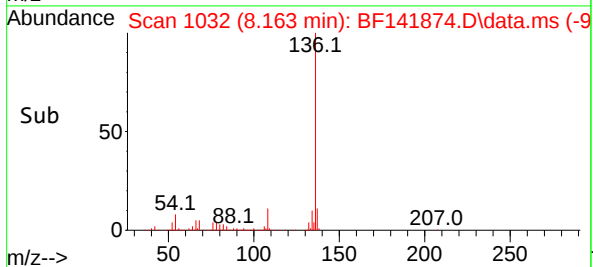
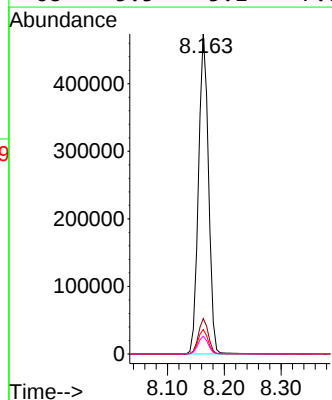
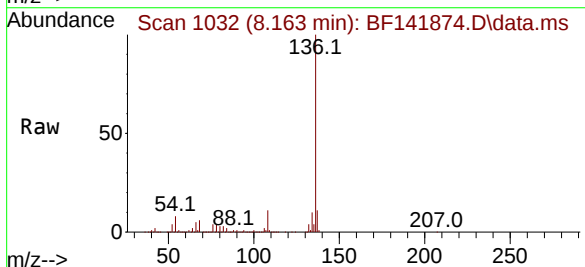
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.2  | 15.2  | 22.8  |
| 71  | 37.4  | 28.2  | 42.2  |

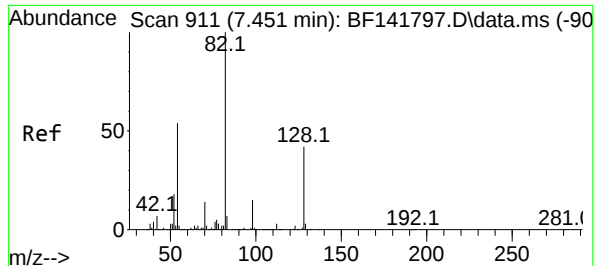


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.163 min Scan# 1032  
Delta R.T. -0.012 min  
Lab File: BF141874.D  
Acq: 06 Mar 2025 17:59

Tgt Ion: 136 Resp: 583372

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.9   | 13.3  |
| 54  | 7.6   | 6.9   | 10.3  |
| 68  | 5.5   | 5.1   | 7.7   |





#23

Nitrobenzene-d5

Concen: 99.506 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141874.D

Acq: 06 Mar 2025 17:59

Instrument :

BNA\_F

ClientSampleId :

RHL1PXI

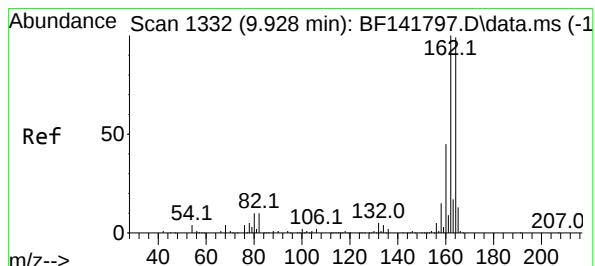
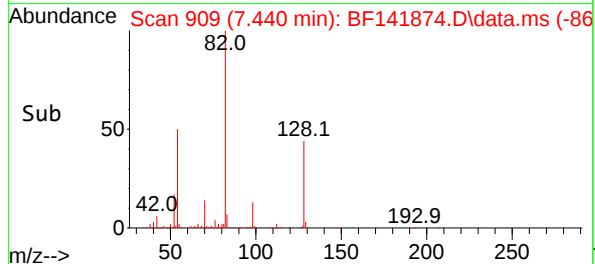
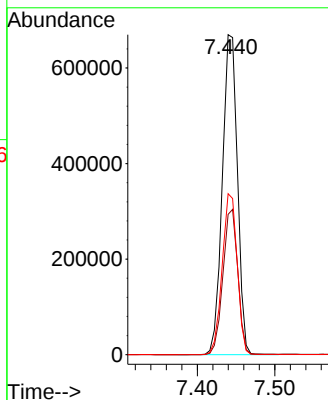
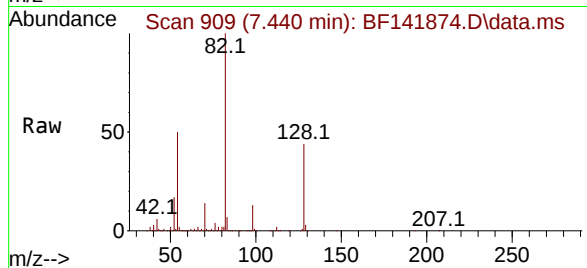
Tgt Ion: 82 Resp: 908150

Ion Ratio Lower Upper

82 100

128 43.9 33.5 50.3

54 50.3 42.7 64.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.012 min

Lab File: BF141874.D

Acq: 06 Mar 2025 17:59

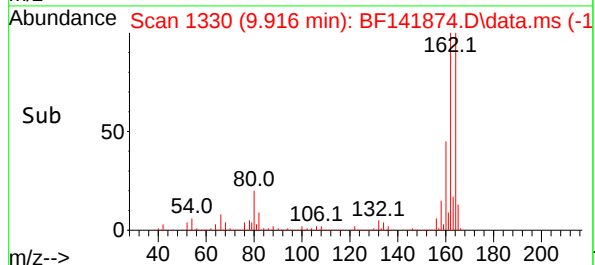
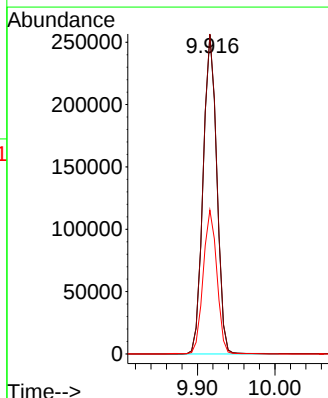
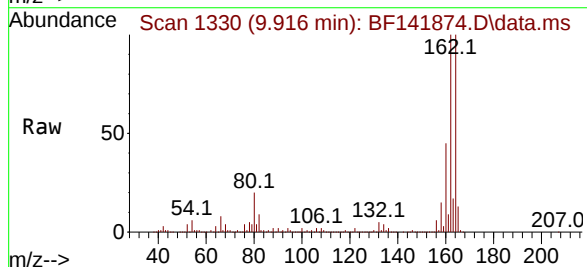
Tgt Ion: 164 Resp: 313503

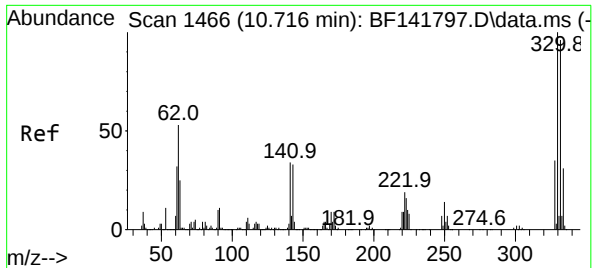
Ion Ratio Lower Upper

164 100

162 100.3 80.6 120.8

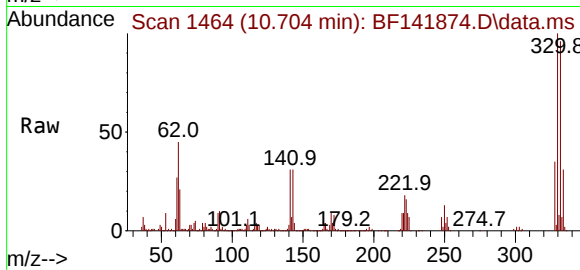
160 45.1 36.3 54.5



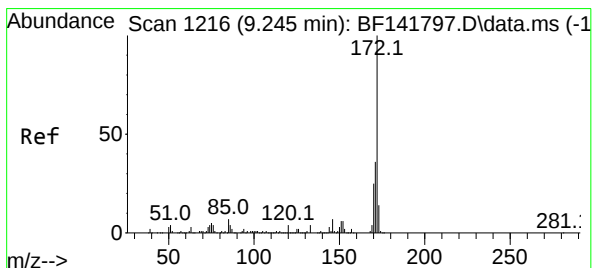
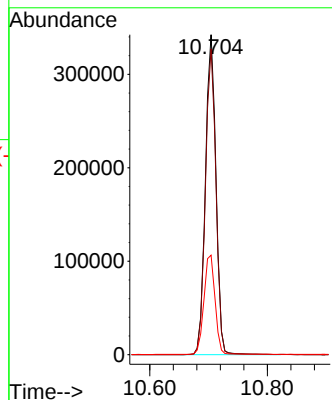
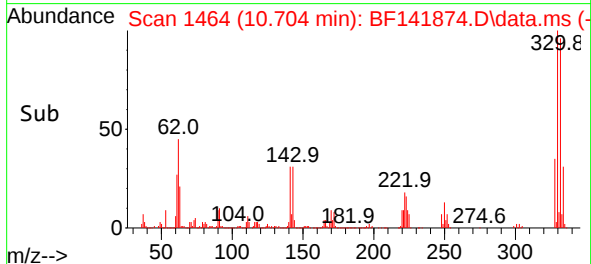


#42  
2,4,6-Tribromophenol  
Concen: 144.979 ng  
RT: 10.704 min Scan# 1464  
Delta R.T. -0.012 min  
Lab File: BF141874.D  
Acq: 06 Mar 2025 17:59

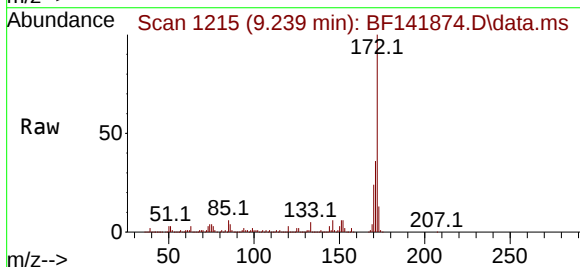
Instrument :  
BNA\_F  
ClientSampleId :  
RHL1PXI



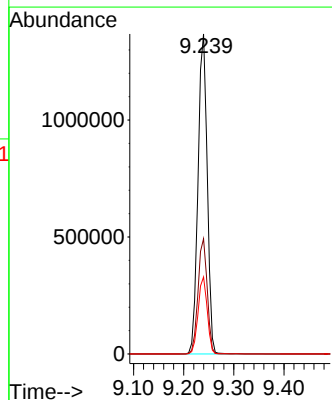
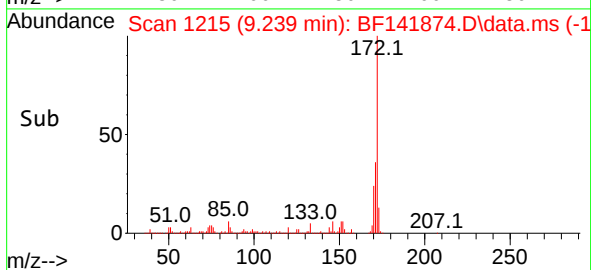
Tgt Ion:330 Resp: 426706  
Ion Ratio Lower Upper  
330 100  
332 95.7 76.6 115.0  
141 32.7 29.0 43.4

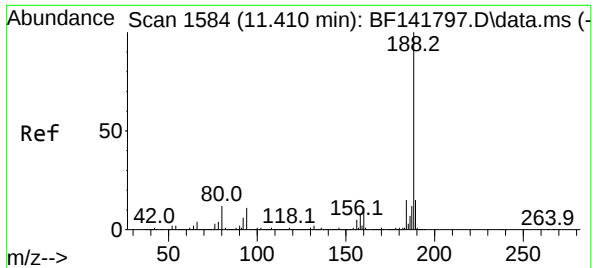


#45  
2-Fluorobiphenyl  
Concen: 88.951 ng  
RT: 9.239 min Scan# 1215  
Delta R.T. -0.006 min  
Lab File: BF141874.D  
Acq: 06 Mar 2025 17:59



Tgt Ion:172 Resp: 1739161  
Ion Ratio Lower Upper  
172 100  
171 36.0 29.2 43.8  
170 24.1 19.7 29.5

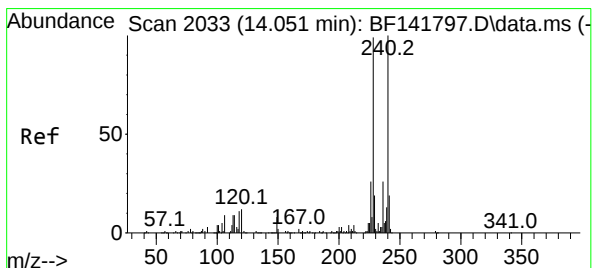
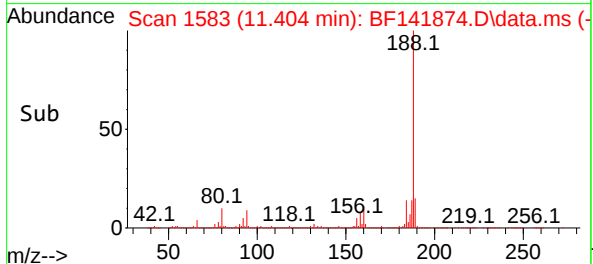
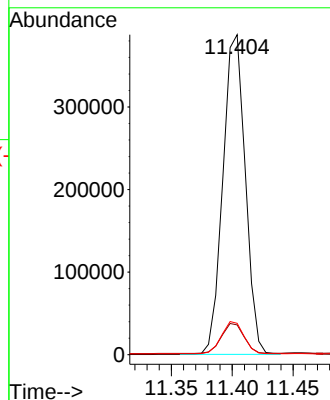
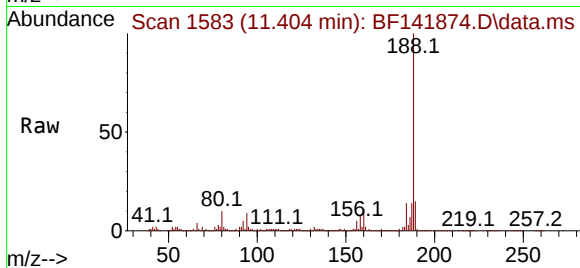




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.404 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141874.D  
Acq: 06 Mar 2025 17:59

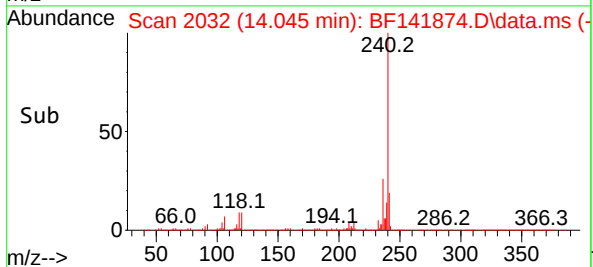
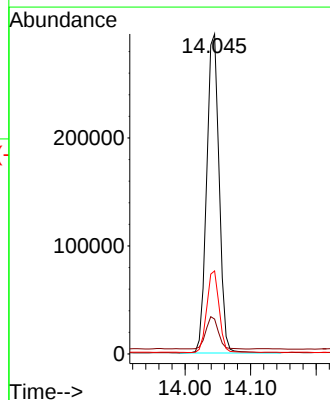
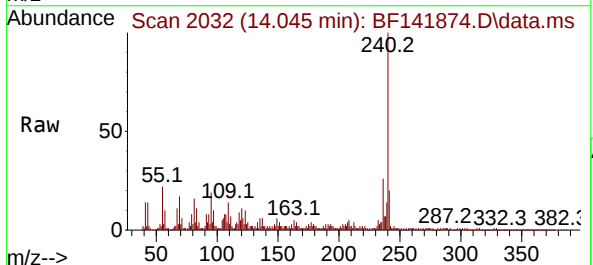
Instrument :  
BNA\_F  
ClientSampleId :  
RHL1PXI

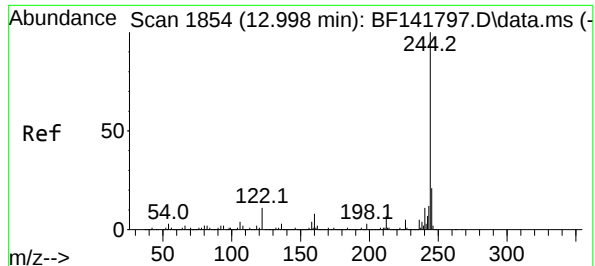
Tgt Ion:188 Resp: 496736  
Ion Ratio Lower Upper  
188 100  
94 9.3 8.9 13.3  
80 9.8 9.7 14.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.045 min Scan# 2032  
Delta R.T. -0.006 min  
Lab File: BF141874.D  
Acq: 06 Mar 2025 17:59

Tgt Ion:240 Resp: 391345  
Ion Ratio Lower Upper  
240 100  
120 10.9 9.7 14.5  
236 26.0 21.0 31.4





#79

Terphenyl-d14

Concen: 75.800 ng

RT: 12.992 min Scan# 1853

Delta R.T. -0.006 min

Lab File: BF141874.D

Acq: 06 Mar 2025 17:59

Instrument :

BNA\_F

ClientSampleId :

RHL1PXI

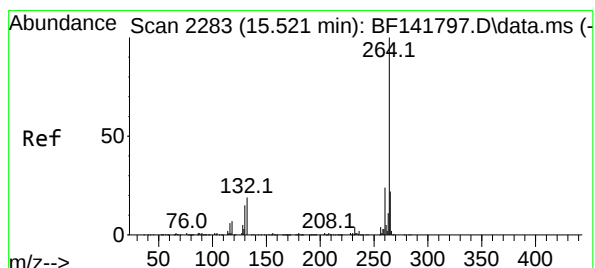
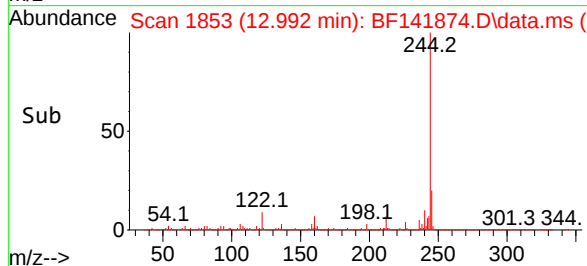
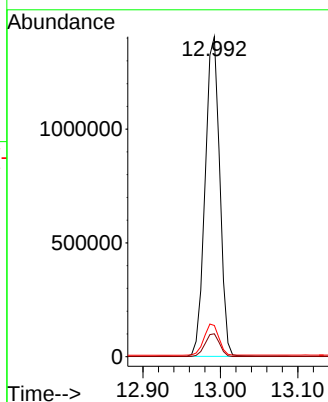
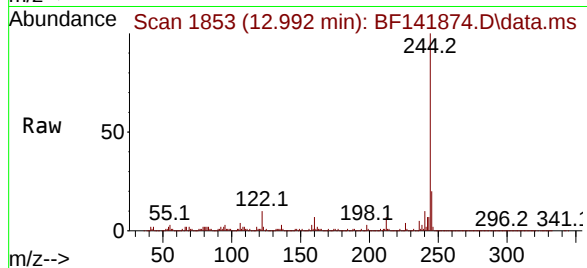
Tgt Ion:244 Resp: 1833470

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

122 9.8 9.0 13.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 2283

Delta R.T. 0.000 min

Lab File: BF141874.D

Acq: 06 Mar 2025 17:59

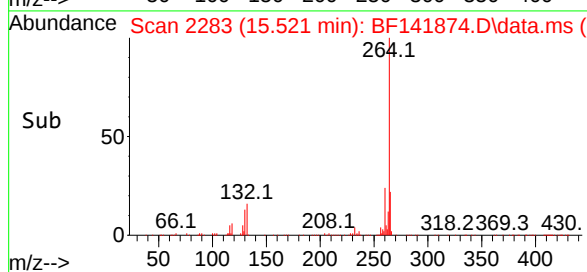
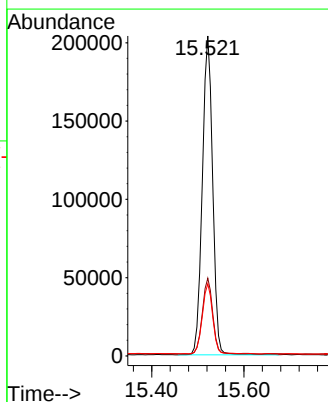
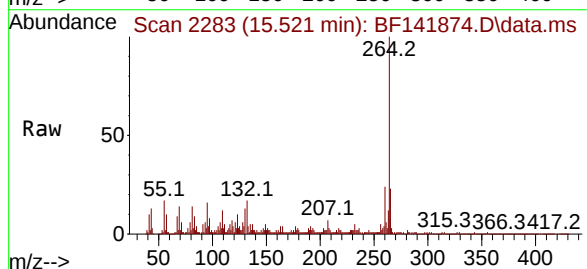
Tgt Ion:264 Resp: 319431

Ion Ratio Lower Upper

264 100

260 24.3 18.9 28.3

265 22.5 17.4 26.0



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031025\  
Data File : BF141907.D  
Acq On : 10 Mar 2025 17:09  
Operator : RC/JU  
Sample : PB167012BL  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB167012BL

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K

Quant Time: Mar 10 17:50:03 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 10 15:46:22 2025  
Response via : Initial Calibration

| Compound                    | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-----------------------------|--------|------|----------|---------|-------|----------|
| -----                       |        |      |          |         |       |          |
| Internal Standards          |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4   | 6.881  | 152  | 215606   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.157  | 136  | 850637   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 9.910  | 164  | 501095   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 11.398 | 188  | 952421   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12            | 14.033 | 240  | 661459   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12            | 15.504 | 264  | 462716   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds |        |      |          |         |       |          |
| 5) 2-Fluorophenol           | 5.504  | 112  | 1458643  | 112.910 | ng    | 0.01     |
| 7) Phenol-d6                | 6.498  | 99   | 1797089  | 109.257 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.439  | 82   | 1219408  | 80.673  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 10.704 | 330  | 781864   | 122.992 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.233  | 172  | 2525489  | 76.648  | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.986 | 244  | 3576592  | 79.942  | ng    | 0.00     |

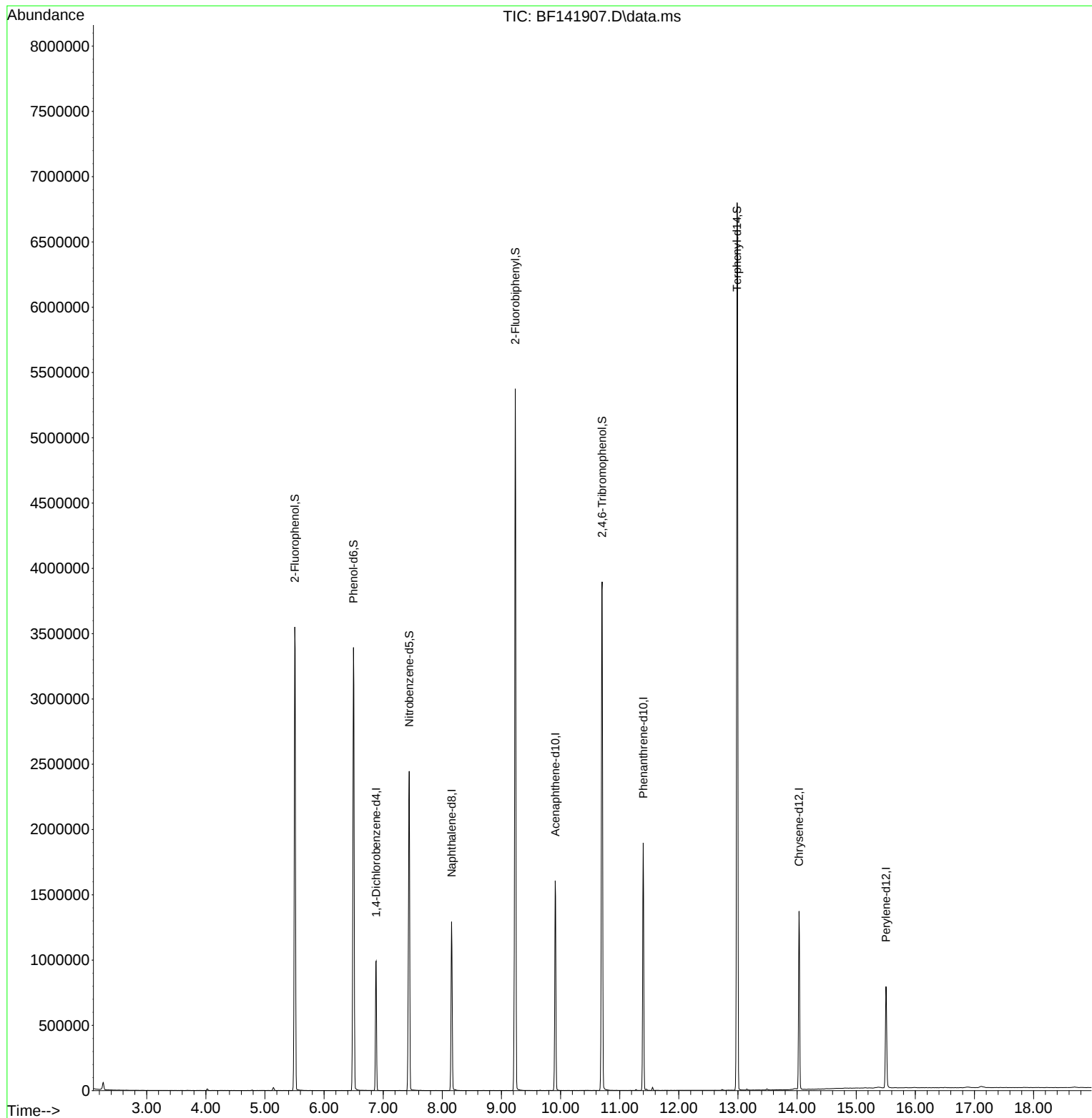
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

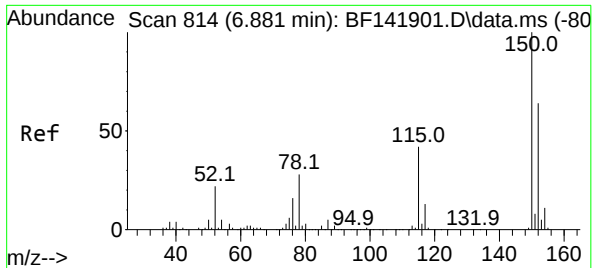
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031025\  
Data File : BF141907.D  
Acq On : 10 Mar 2025 17:09  
Operator : RC/JU  
Sample : PB167012BL  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB167012BL

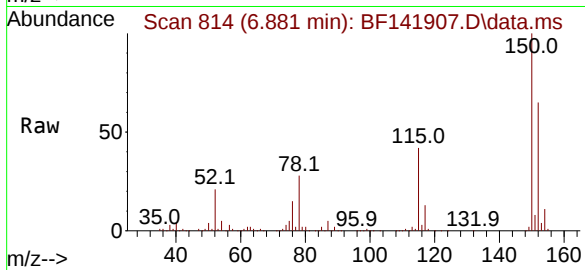
Quant Time: Mar 10 17:50:03 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Mar 10 15:46:22 2025  
Response via : Initial Calibration



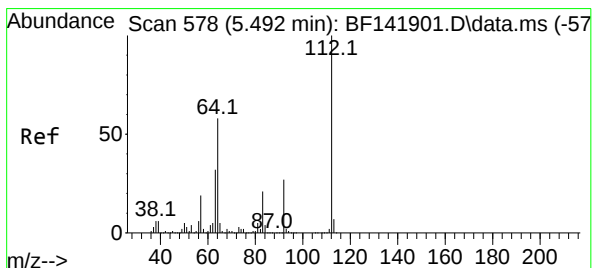
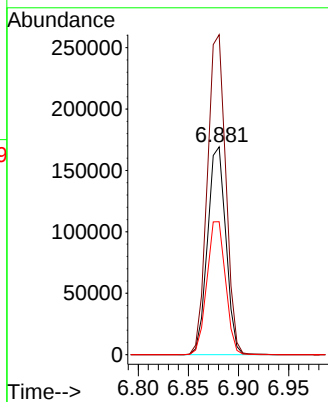
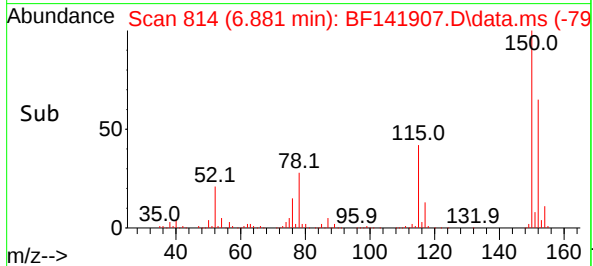


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.881 min Scan# 814  
 Delta R.T. -0.000 min  
 Lab File: BF141907.D  
 Acq: 10 Mar 2025 17:09

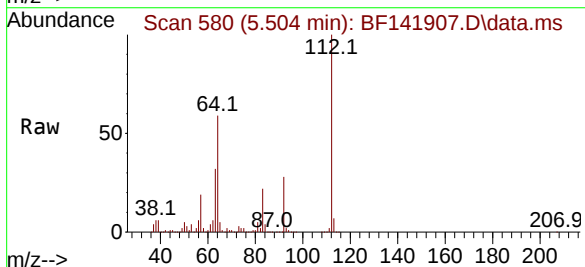
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB167012BL



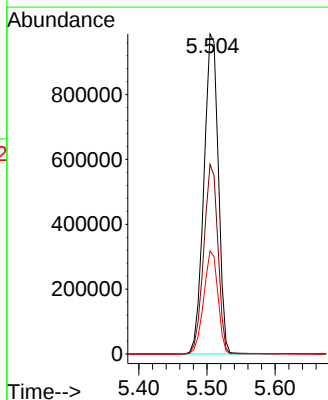
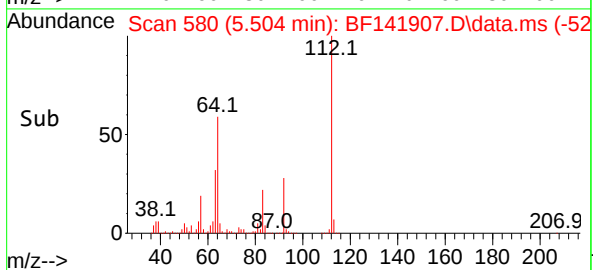
Tgt Ion:152 Resp: 215606  
 Ion Ratio Lower Upper  
 152 100  
 150 153.9 127.4 191.2  
 115 63.9 51.9 77.9

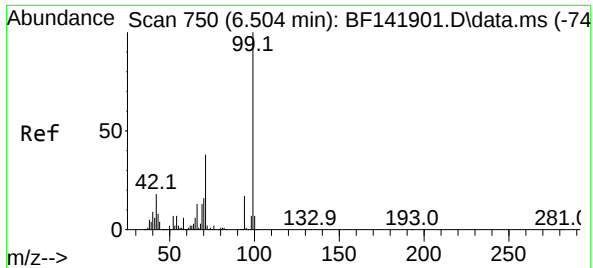


#5  
 2-Fluorophenol  
 Concen: 112.910 ng  
 RT: 5.504 min Scan# 580  
 Delta R.T. 0.012 min  
 Lab File: BF141907.D  
 Acq: 10 Mar 2025 17:09



Tgt Ion:112 Resp: 1458643  
 Ion Ratio Lower Upper  
 112 100  
 64 59.2 46.5 69.7  
 63 32.2 25.4 38.2

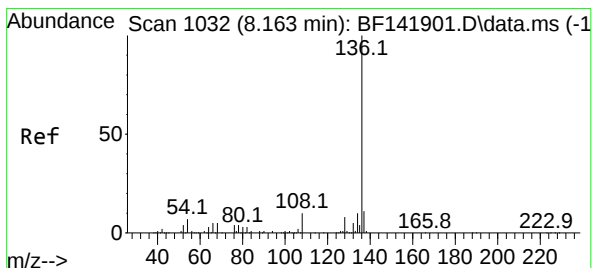
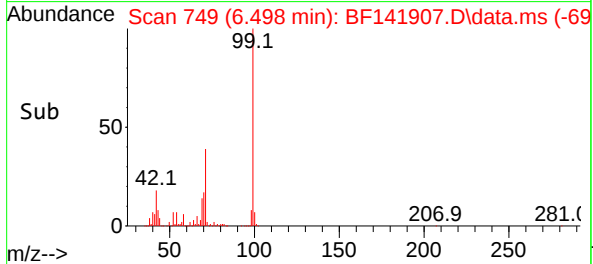
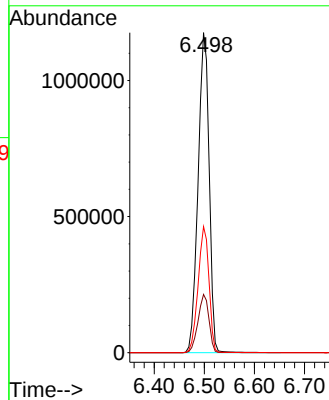
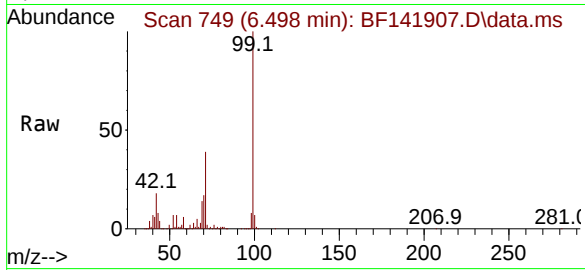




#7  
Phenol-d6  
Concen: 109.257 ng  
RT: 6.498 min Scan# 74  
Delta R.T. -0.006 min  
Lab File: BF141907.D  
Acq: 10 Mar 2025 17:09

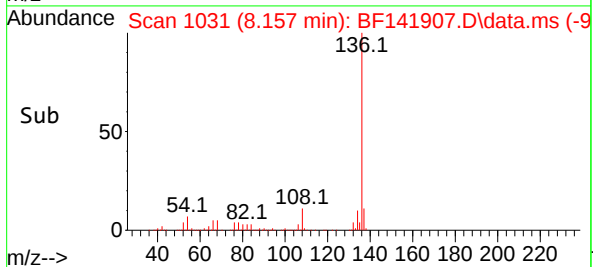
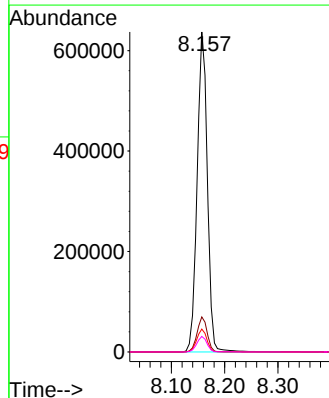
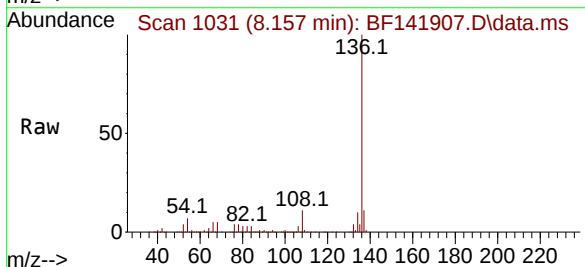
Instrument :  
BNA\_F  
ClientSampleId :  
PB167012BL

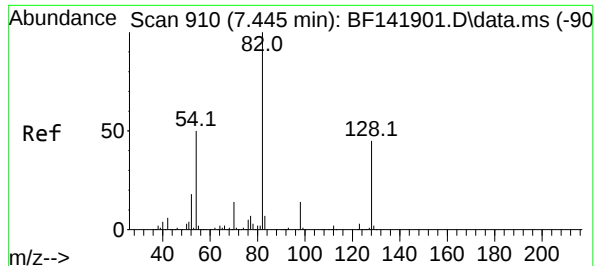
Tgt Ion: 99 Resp: 1797089  
Ion Ratio Lower Upper  
99 100  
42 18.2 14.6 21.8  
71 39.4 30.8 46.2



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.157 min Scan# 1031  
Delta R.T. -0.006 min  
Lab File: BF141907.D  
Acq: 10 Mar 2025 17:09

Tgt Ion: 136 Resp: 850637  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.8 13.2  
54 7.2 5.8 8.8  
68 4.8 4.1 6.1





#23

Nitrobenzene-d5

Concen: 80.673 ng

RT: 7.439 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF141907.D

Acq: 10 Mar 2025 17:09

Instrument :

BNA\_F

ClientSampleId :

PB167012BL

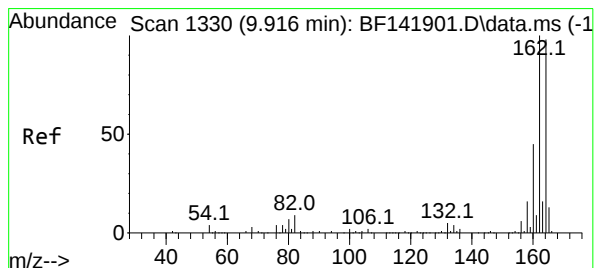
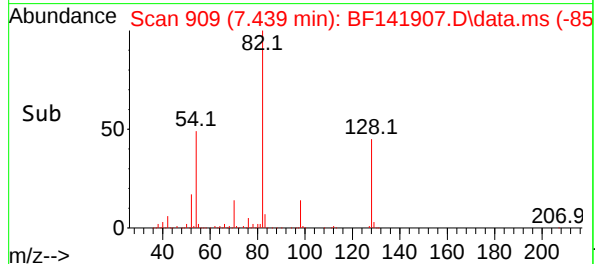
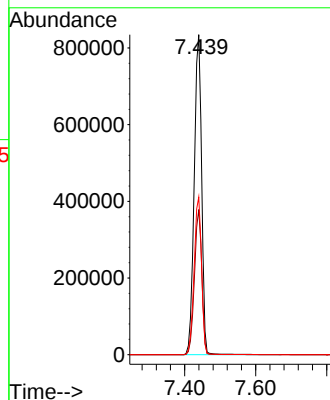
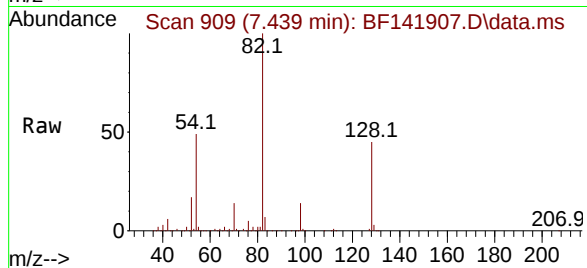
Tgt Ion: 82 Resp: 1219408

Ion Ratio Lower Upper

82 100

128 45.3 36.0 54.0

54 49.3 39.6 59.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF141907.D

Acq: 10 Mar 2025 17:09

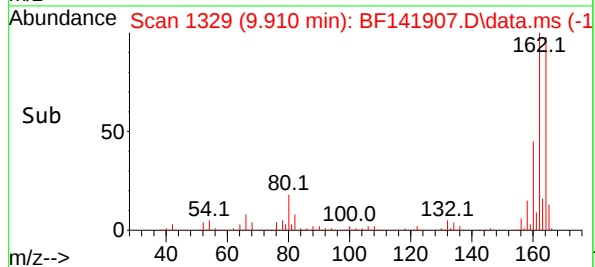
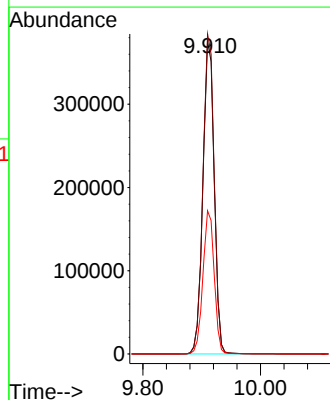
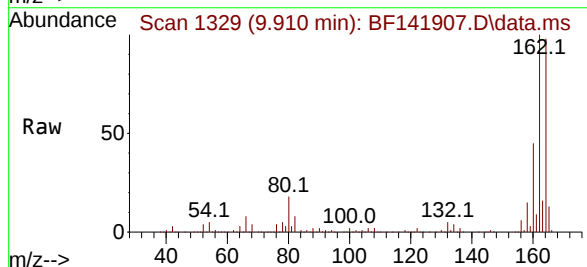
Tgt Ion:164 Resp: 501095

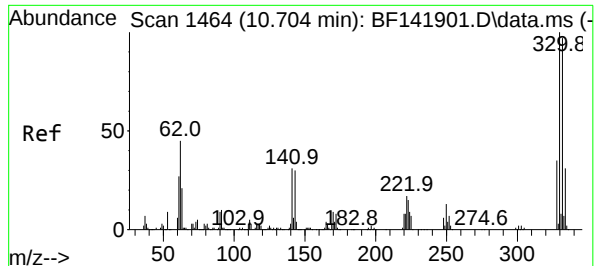
Ion Ratio Lower Upper

164 100

162 102.3 81.8 122.6

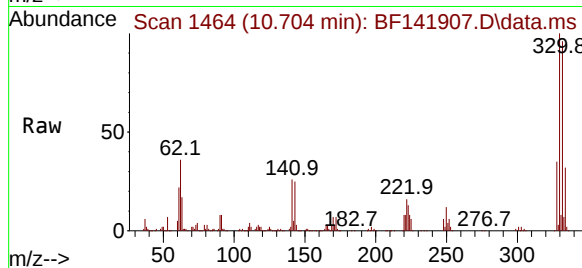
160 45.8 36.7 55.1



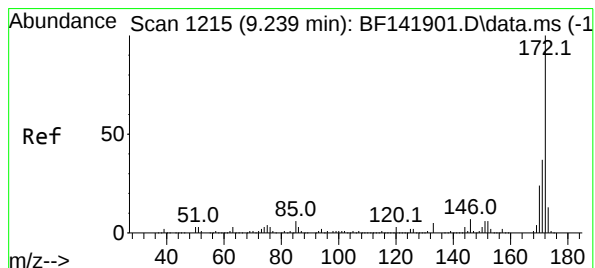
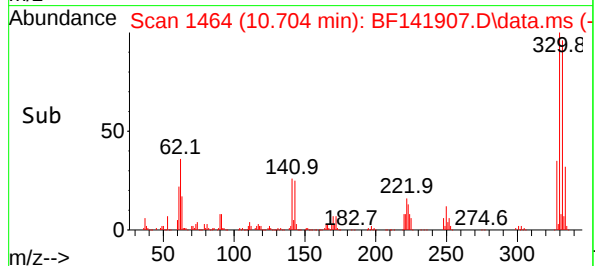
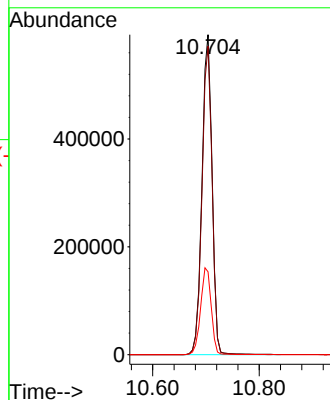


#42  
2,4,6-Tribromophenol  
Concen: 122.992 ng  
RT: 10.704 min Scan# 1464  
Delta R.T. 0.000 min  
Lab File: BF141907.D  
Acq: 10 Mar 2025 17:09

Instrument :  
BNA\_F  
ClientSampleId :  
PB167012BL

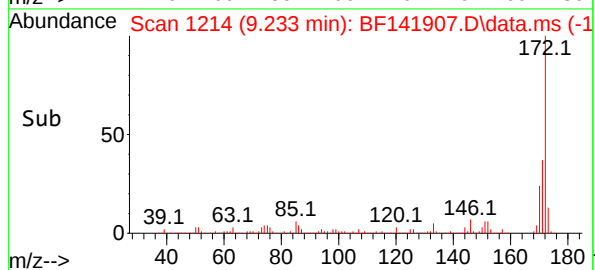
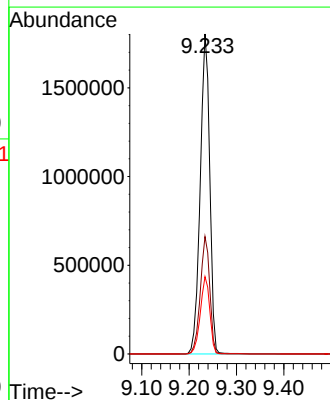
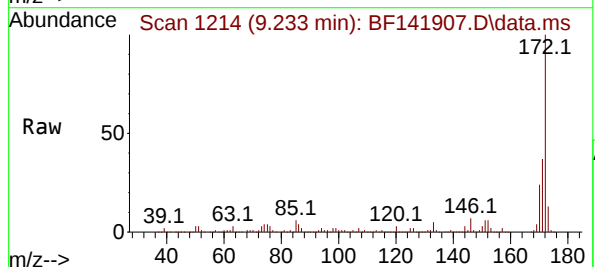


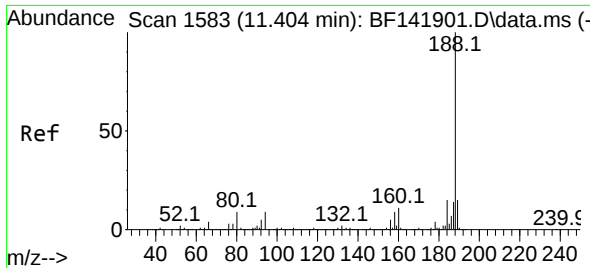
Tgt Ion: 330 Resp: 781864  
Ion Ratio Lower Upper  
330 100  
332 96.3 77.6 116.4  
141 28.4 24.7 37.1



#45  
2-Fluorobiphenyl  
Concen: 76.648 ng  
RT: 9.233 min Scan# 1214  
Delta R.T. -0.006 min  
Lab File: BF141907.D  
Acq: 10 Mar 2025 17:09

Tgt Ion: 172 Resp: 2525489  
Ion Ratio Lower Upper  
172 100  
171 36.7 29.3 43.9  
170 24.2 19.4 29.0

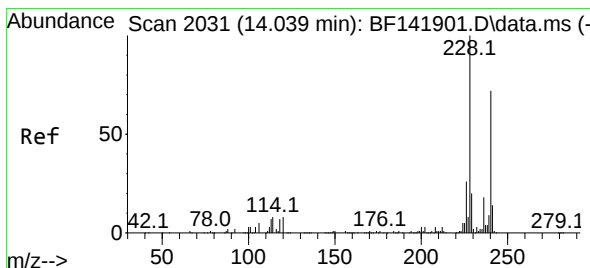
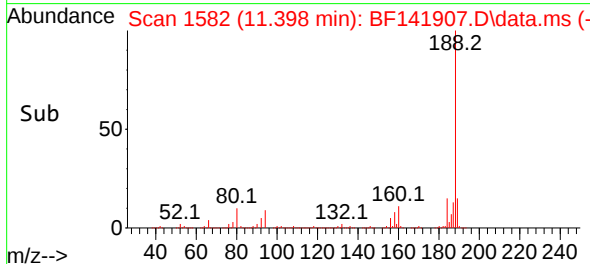
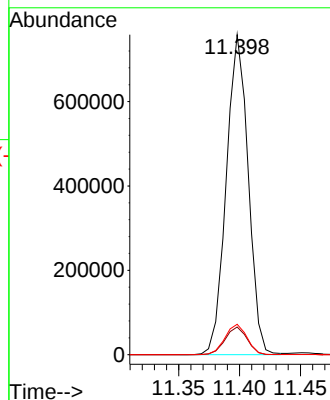
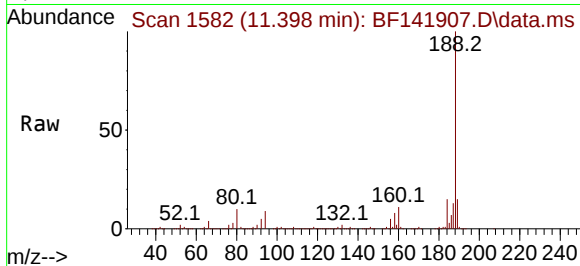




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.398 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BF141907.D  
Acq: 10 Mar 2025 17:09

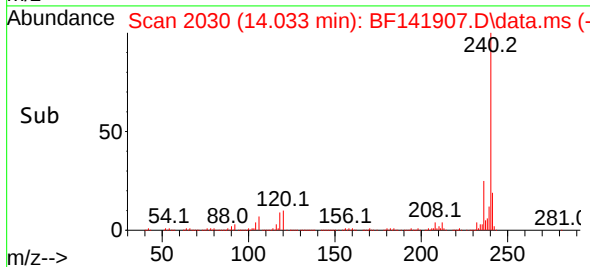
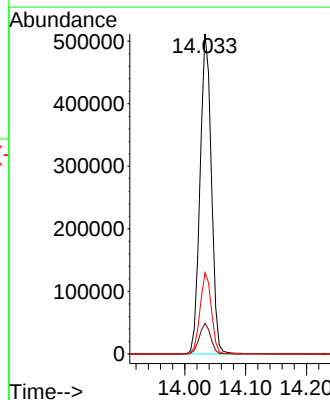
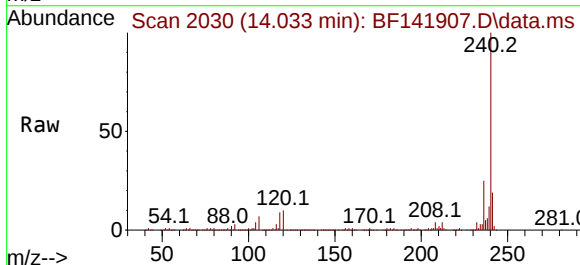
Instrument :  
BNA\_F  
ClientSampleId :  
PB167012BL

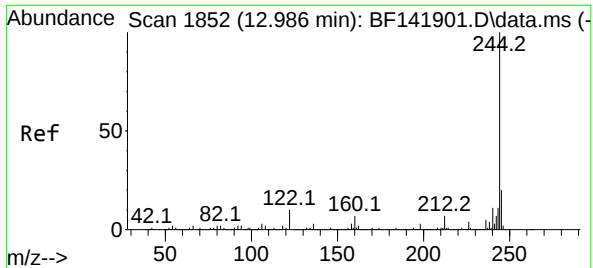
Tgt Ion:188 Resp: 952421  
Ion Ratio Lower Upper  
188 100  
94 8.7 6.8 10.2  
80 9.5 7.6 11.4



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.033 min Scan# 2030  
Delta R.T. -0.006 min  
Lab File: BF141907.D  
Acq: 10 Mar 2025 17:09

Tgt Ion:240 Resp: 661459  
Ion Ratio Lower Upper  
240 100  
120 9.6 8.4 12.6  
236 25.4 20.5 30.7





#79

Terphenyl-d14

Concen: 79.942 ng

RT: 12.986 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF141907.D

Acq: 10 Mar 2025 17:09

Instrument :

BNA\_F

ClientSampleId :

PB167012BL

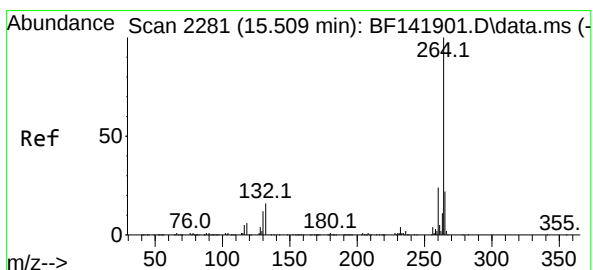
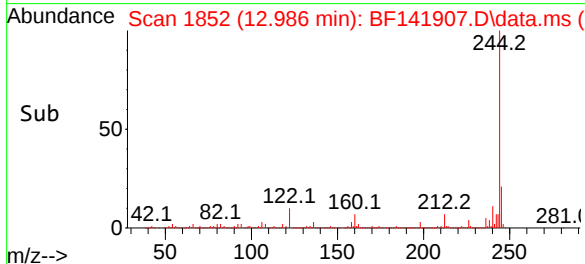
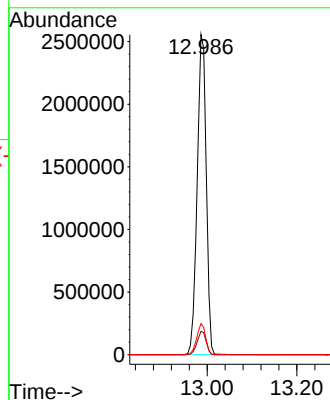
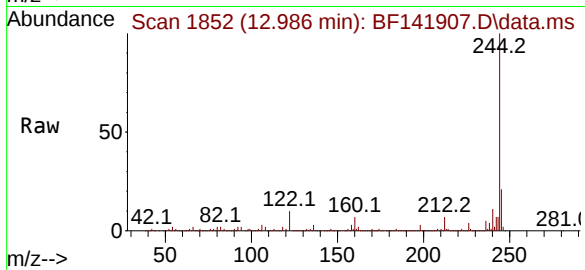
Tgt Ion:244 Resp: 3576592

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

122 9.7 7.7 11.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 2280

Delta R.T. -0.006 min

Lab File: BF141907.D

Acq: 10 Mar 2025 17:09

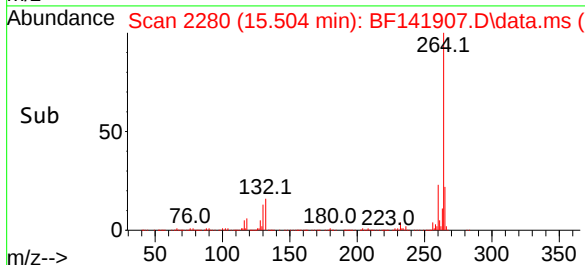
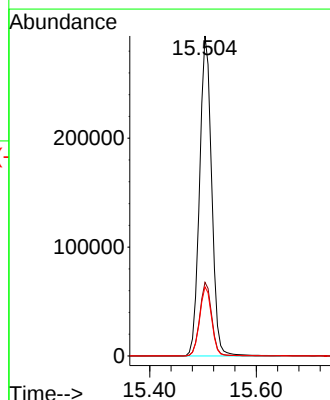
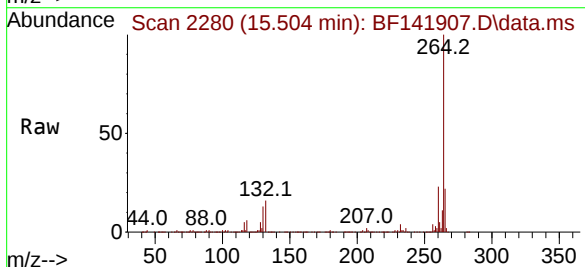
Tgt Ion:264 Resp: 462716

Ion Ratio Lower Upper

264 100

260 23.0 19.1 28.7

265 21.6 17.5 26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031125\  
 Data File : BF141912.D  
 Acq On : 11 Mar 2025 12:51  
 Operator : RC/JU  
 Sample : PB167012BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB167012BS

### Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/12/2025  
 Supervised By :Jagrut Upadhyay 03/12/2025

Quant Time: Mar 11 13:13:09 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 10 15:46:22 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.881  | 152  | 184657   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.163  | 136  | 747989   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.916  | 164  | 446834   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 767875   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.039 | 240  | 492551   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.509 | 264  | 412337   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.510  | 112  | 1410034  | 127.441 | ng    | 0.02     |
| 7) Phenol-d6                  | 6.504  | 99   | 1768099  | 125.511 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 1176171  | 88.491  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 786997   | 138.833 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 2509203  | 85.401  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.986 | 244  | 3144530  | 94.387  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.775  | 88   | 176154   | 37.998  | ng    | 99       |
| 3) Pyridine                   | 3.528  | 79   | 414716   | 36.469  | ng    | 100      |
| 4) n-Nitrosodimethylamine     | 3.469  | 42   | 216070   | 39.860  | ng    | 99       |
| 6) Aniline                    | 6.545  | 93   | 528502   | 38.030  | ng    | 100      |
| 8) 2-Chlorophenol             | 6.663  | 128  | 525492   | 42.824  | ng    | 100      |
| 9) Benzaldehyde               | 6.428  | 77   | 173950   | 22.079  | ng    | 100      |
| 10) Phenol                    | 6.522  | 94   | 624057   | 42.109  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 6.616  | 93   | 460410   | 41.373  | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 6.822  | 146  | 539092   | 40.693  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.898  | 146  | 553694   | 41.308  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.051  | 146  | 530249   | 41.999  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.016  | 79   | 467000   | 41.006  | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.151  | 45   | 545528   | 40.606  | ng    | 99       |
| 17) 2-Methylphenol            | 7.128  | 107  | 433101   | 44.390  | ng    | 99       |
| 18) Hexachloroethane          | 7.392  | 117  | 206361   | 41.055  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.292  | 70   | 368389   | 40.698  | ng    | 99       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 538615   | 43.099  | ng    | # 89     |
| 22) Acetophenone              | 7.286  | 105  | 796984   | 44.493  | ng    | 96       |
| 24) Nitrobenzene              | 7.463  | 77   | 547931   | 41.468  | ng    | 99       |
| 25) Isophorone                | 7.698  | 82   | 1031311  | 43.895  | ng    | 100      |
| 26) 2-Nitrophenol             | 7.775  | 139  | 280000   | 43.176  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 477228   | 53.443  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.910  | 93   | 605810   | 41.111  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 470568   | 42.455  | ng    | 99       |
| 30) 1,2,4-Trichlorobenzene    | 8.104  | 180  | 490890   | 40.188  | ng    | 100      |
| 31) Naphthalene               | 8.180  | 128  | 1543197  | 40.163  | ng    | 100      |
| 32) Benzoic acid              | 7.928  | 122  | 380831   | 48.517  | ng    | 99       |
| 33) 4-Chloroaniline           | 8.228  | 127  | 269648   | 19.880  | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.298  | 225  | 326107   | 40.938  | ng    | 99       |
| 35) Caprolactam               | 8.598  | 113  | 163653m  | 48.429  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 530526   | 42.909  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 8.875  | 142  | 1018669  | 39.664  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.975  | 142  | 1006929  | 40.630  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.039  | 216  | 592823   | 43.576  | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 9.027  | 237  | 761350   | 142.999 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 377685   | 42.480  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031125\  
 Data File : BF141912.D  
 Acq On : 11 Mar 2025 12:51  
 Operator : RC/JU  
 Sample : PB167012BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

PB167012BS

## Manual Integrations

## APPROVED

Reviewed By :Anahy Claudio 03/12/2025

Supervised By :Jagrut Upadhyay 03/12/2025

Quant Time: Mar 11 13:13:09 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Mar 10 15:46:22 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.186  | 196  | 378302   | 42.011 | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.339  | 154  | 1506272  | 44.366 | ng    | 100      |
| 47) 2-Chloronaphthalene       | 9.363  | 162  | 1033961  | 40.859 | ng    | 99       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 315690   | 43.086 | ng    | 99       |
| 49) Acenaphthylene            | 9.780  | 152  | 1615328  | 43.015 | ng    | 100      |
| 50) Dimethylphthalate         | 9.639  | 163  | 1304333  | 41.684 | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 284720   | 43.702 | ng    | 98       |
| 52) Acenaphthene              | 9.951  | 154  | 1210769  | 45.880 | ng    | 99       |
| 53) 3-Nitroaniline            | 9.869  | 138  | 185407   | 28.055 | ng    | 98       |
| 54) 2,4-Dinitrophenol         | 9.974  | 184  | 305424   | 82.304 | ng #  | 48       |
| 55) Dibenzofuran              | 10.122 | 168  | 1492523  | 39.581 | ng    | 100      |
| 56) 4-Nitrophenol             | 10.027 | 139  | 461921   | 92.685 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 390807   | 45.927 | ng    | 100      |
| 58) Fluorene                  | 10.469 | 166  | 1188252  | 40.862 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 346049   | 42.232 | ng    | 100      |
| 60) Diethylphthalate          | 10.339 | 149  | 1299882  | 41.662 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 10.457 | 204  | 629696   | 41.535 | ng    | 98       |
| 62) 4-Nitroaniline            | 10.486 | 138  | 275869   | 42.878 | ng    | 98       |
| 63) Azobenzene                | 10.616 | 77   | 1162629  | 40.080 | ng    | 100      |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 198679   | 43.402 | ng    | 100      |
| 66) n-Nitrosodiphenylamine    | 10.580 | 169  | 1055983  | 42.496 | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248  | 402742   | 41.763 | ng    | 96       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 460847   | 43.571 | ng    | 95       |
| 69) Atrazine                  | 11.104 | 200  | 435190   | 57.129 | ng    | 99       |
| 70) Pentachlorophenol         | 11.204 | 266  | 557141   | 85.494 | ng    | 100      |
| 71) Phenanthrene              | 11.427 | 178  | 1762158  | 42.487 | ng    | 100      |
| 72) Anthracene                | 11.480 | 178  | 1787717  | 42.963 | ng    | 100      |
| 73) Carbazole                 | 11.633 | 167  | 1505049  | 41.940 | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.963 | 149  | 1956127  | 41.081 | ng    | 100      |
| 75) Fluoranthene              | 12.615 | 202  | 1792812  | 40.750 | ng    | 100      |
| 77) Benzidine                 | 12.733 | 184  | 544235   | 79.196 | ng    | 99       |
| 78) Pyrene                    | 12.845 | 202  | 1775108  | 41.663 | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.462 | 149  | 719394   | 43.139 | ng    | 99       |
| 81) Benzo(a)anthracene        | 14.027 | 228  | 1428951  | 44.211 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 13.992 | 252  | 281380   | 30.125 | ng    | 99       |
| 83) Chrysene                  | 14.068 | 228  | 1187792  | 40.541 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 14.015 | 149  | 991942   | 43.141 | ng    | 100      |
| 85) Di-n-octyl phthalate      | 14.633 | 149  | 1411316  | 44.114 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene    | 16.998 | 276  | 1167143  | 43.757 | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 15.080 | 252  | 1095375  | 38.761 | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 15.109 | 252  | 1076737  | 44.523 | ng    | 100      |
| 90) Benzo(a)pyrene            | 15.451 | 252  | 1004550  | 45.430 | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 17.015 | 278  | 961369   | 43.683 | ng    | 100      |
| 92) Benzo(g,h,i)perylene      | 17.450 | 276  | 878097   | 40.376 | ng    | 98       |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF031125\  
Data File : BF141912.D  
Acq On : 11 Mar 2025 12:51  
Operator : RC/JU  
Sample : PB167012BS  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

PB167012BS

## Manual Integrations

## APPROVED

Reviewed By :Anahy Claudio 03/12/2025

Supervised By :Jagrut Upadhyay 03/12/2025

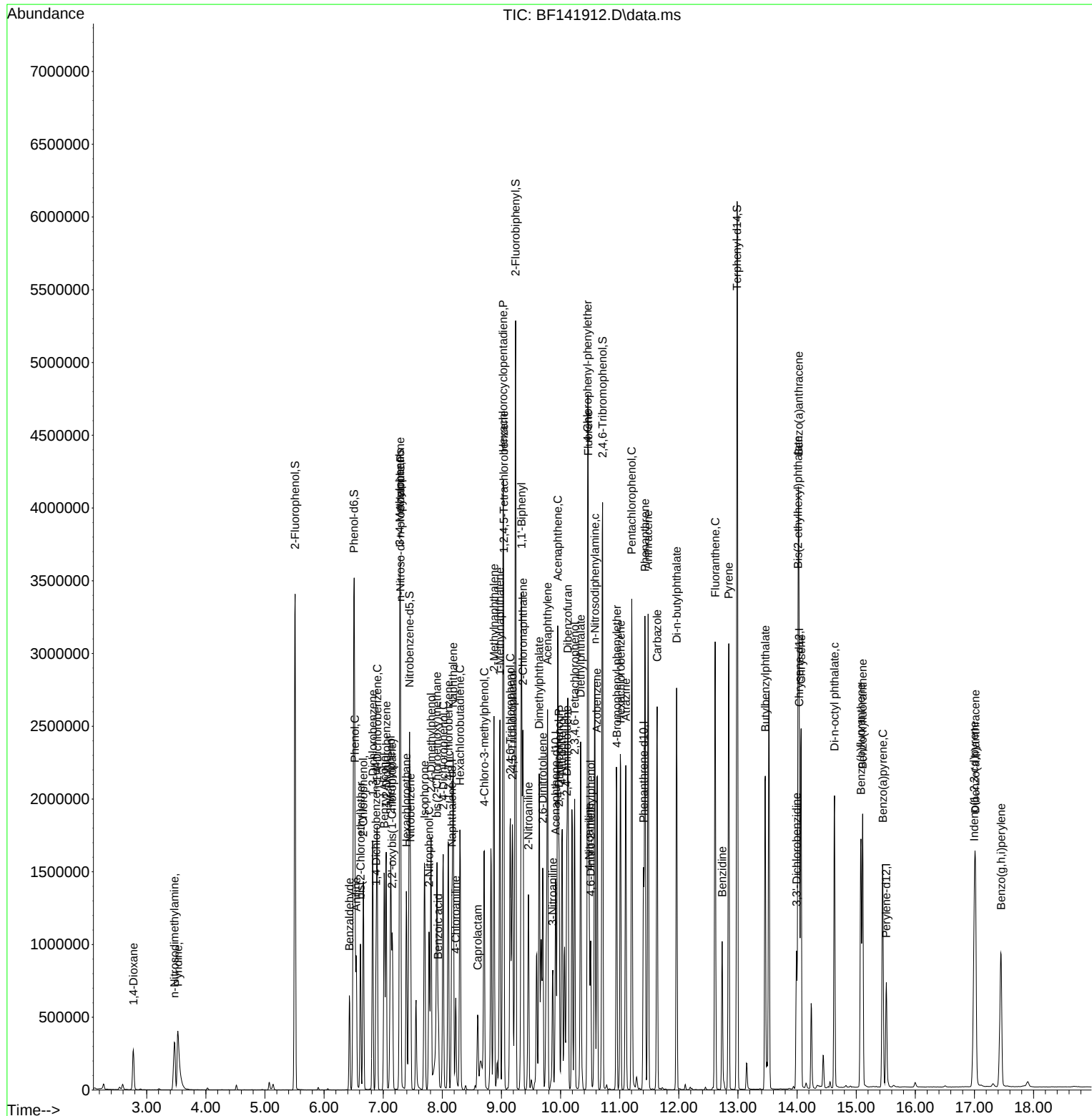
Quant Time: Mar 11 13:13:09 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Mon Mar 10 15:46:22 2025

Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030625\  
 Data File : BF141875.D  
 Acq On : 06 Mar 2025 18:29  
 Operator : RC/JU  
 Sample : Q1492-01MS  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

RHL1PXIMS

## Manual Integrations

## APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025

Quant Time: Mar 07 00:19:09 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 28 01:48:16 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 160920   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 614399   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 9.922  | 164  | 327791   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 514725   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 396501   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 380301   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 1072286  | 106.415 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 1361285  | 103.793 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 886021   | 92.179  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 410304   | 133.330 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 1698653  | 83.093  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 1720119  | 70.189  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.716  | 88   | 192430   | 42.087  | ng    | 95       |
| 3) Pyridine                   | 3.487  | 79   | 451397   | 39.680  | ng    | 95       |
| 4) n-Nitrosodimethylamine     | 3.428  | 42   | 227319   | 41.529  | ng    | 98       |
| 6) Aniline                    | 6.546  | 93   | 249408   | 18.292  | ng    | 99       |
| 8) 2-Chlorophenol             | 6.669  | 128  | 497950   | 45.682  | ng    | 95       |
| 9) Benzaldehyde               | 6.434  | 77   | 172839   | 22.656  | ng    | 98       |
| 10) Phenol                    | 6.522  | 94   | 596749   | 42.579  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 460201   | 43.078  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 522262   | 44.739  | ng    | 100      |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 531499   | 45.188  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 510305   | 46.462  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 441512   | 42.122  | ng    | 100      |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157  | 45   | 562209   | 34.653  | ng    | 95       |
| 17) 2-Methylphenol            | 7.134  | 107  | 394772   | 43.876  | ng    | 99       |
| 18) Hexachloroethane          | 7.398  | 117  | 196768   | 44.696  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.293  | 70   | 337684   | 39.167  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 501845   | 44.793  | ng    | 95       |
| 22) Acetophenone              | 7.293  | 105  | 740981   | 49.518  | ng    | 98       |
| 24) Nitrobenzene              | 7.463  | 77   | 518479   | 50.372  | ng    | 99       |
| 25) Isophorone                | 7.704  | 82   | 918421   | 44.476  | ng    | 98       |
| 26) 2-Nitrophenol             | 7.781  | 139  | 255193   | 54.789  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.810  | 122  | 424429   | 55.914  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 7.910  | 93   | 553095   | 41.988  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 405334   | 46.287  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.104  | 180  | 444064   | 46.277  | ng    | 100      |
| 31) Naphthalene               | 8.187  | 128  | 1423827  | 45.090  | ng    | 99       |
| 32) Benzoic acid              | 7.922  | 122  | 312587   | 49.124  | ng    | 98       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 94953    | 8.201   | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.304  | 225  | 285961   | 47.957  | ng    | 99       |
| 35) Caprolactam               | 8.598  | 113  | 135693m  | 50.370  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 441335   | 45.368  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 900126   | 43.459  | ng    | 99       |
| 38) 1-Methylnaphthalene       | 8.975  | 142  | 867480   | 43.649  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 500515   | 52.870  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.034  | 237  | 622167   | 157.478 | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 298404   | 48.796  | ng    | 100      |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030625\  
 Data File : BF141875.D  
 Acq On : 06 Mar 2025 18:29  
 Operator : RC/JU  
 Sample : Q1492-01MS  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RHL1PXIMS

### Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/07/2025  
 Supervised By :Jagrut Upadhyay 03/07/2025

Quant Time: Mar 07 00:19:09 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 28 01:48:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 305173   | 50.396  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.339  | 154  | 1283855  | 51.457  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 870356   | 47.263  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 268692   | 52.825  | ng    | 96       |
| 49) Acenaphthylene            | 9.781  | 152  | 1309470  | 47.427  | ng    | 99       |
| 50) Dimethylphthalate         | 9.639  | 163  | 1031160  | 46.975  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 218829   | 51.868  | ng    | 96       |
| 52) Acenaphthene              | 9.957  | 154  | 946830   | 50.823  | ng    | 98       |
| 53) 3-Nitroaniline            | 9.869  | 138  | 111967   | 26.451  | ng    | # 93     |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 182172   | 90.344  | ng    | # 1      |
| 55) Dibenzofuran              | 10.128 | 168  | 1220087  | 44.996  | ng    | 100      |
| 56) 4-Nitrophenol             | 10.022 | 139  | 360637   | 111.235 | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 284152   | 54.855  | ng    | 91       |
| 58) Fluorene                  | 10.469 | 166  | 940964   | 46.327  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 259856   | 49.341  | ng    | 99       |
| 60) Diethylphthalate          | 10.339 | 149  | 1006514  | 45.738  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204  | 477960   | 46.967  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.481 | 138  | 171647   | 45.787  | ng    | 96       |
| 63) Azobenzene                | 10.622 | 77   | 1016465  | 43.869  | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.504 | 198  | 111456   | 46.324  | ng    | 95       |
| 66) n-Nitrosodiphenylamine    | 10.581 | 169  | 816711   | 48.321  | ng    | 100      |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248  | 296950   | 49.391  | ng    | 98       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 323594   | 50.970  | ng    | 98       |
| 69) Atrazine                  | 11.104 | 200  | 307329   | 66.122  | ng    | 100      |
| 70) Pentachlorophenol         | 11.204 | 266  | 407741   | 101.263 | ng    | 99       |
| 71) Phenanthrene              | 11.433 | 178  | 1319085  | 47.910  | ng    | 99       |
| 72) Anthracene                | 11.480 | 178  | 1309109  | 47.442  | ng    | 99       |
| 73) Carbazole                 | 11.633 | 167  | 1129474  | 46.352  | ng    | 100      |
| 74) Di-n-butylphthalate       | 11.969 | 149  | 1383879  | 44.803  | ng    | 99       |
| 75) Fluoranthene              | 12.616 | 202  | 1278363  | 45.313  | ng    | 97       |
| 78) Pyrene                    | 12.845 | 202  | 1307373  | 38.077  | ng    | 100      |
| 80) Butylbenzylphthalate      | 13.469 | 149  | 543208   | 43.545  | ng    | 97       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 1226272  | 46.823  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.998 | 252  | 13153    | 1.750   | ng    | # 85     |
| 83) Chrysene                  | 14.074 | 228  | 1092883  | 45.269  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 710459   | 45.740  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.639 | 149  | 1223350  | 52.608  | ng    | # 95     |
| 87) Indeno(1,2,3-cd)pyrene    | 17.015 | 276  | 1141147  | 47.123  | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 15.092 | 252  | 1197920  | 46.243  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.121 | 252  | 1126756  | 51.174  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.463 | 252  | 1030329  | 49.594  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.039 | 278  | 961619   | 48.648  | ng    | 96       |
| 92) Benzo(g,h,i)perylene      | 17.468 | 276  | 851415   | 42.044  | ng    | 95       |

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

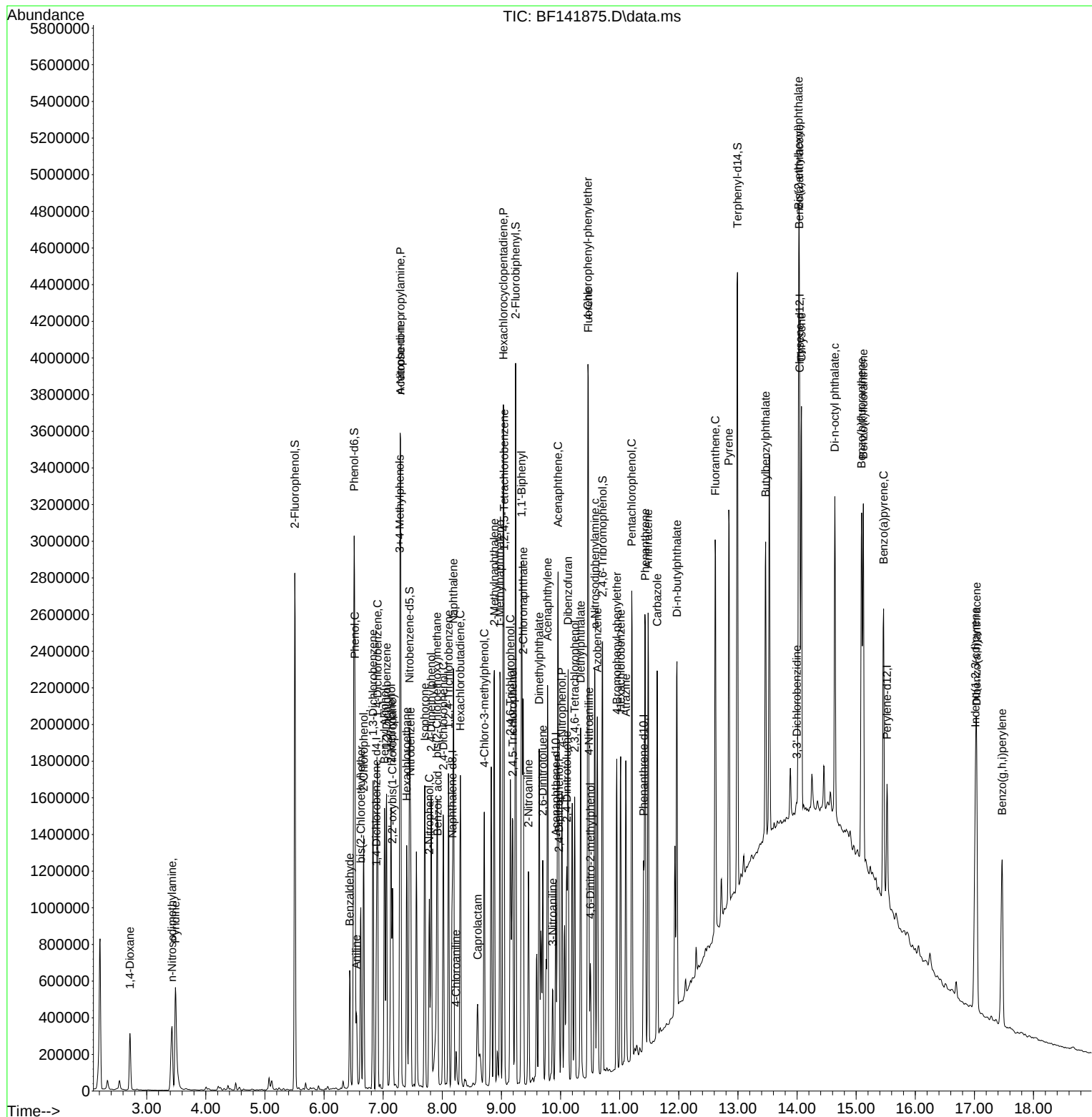
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Data File : BF141875.D  
Acq On    : 06 Mar 2025  18:29  
Operator  : RC/JU  
Sample    : Q1492-01MS  
Misc      :  
ALS Vial  : 19    Sample Multiplier: 1
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Quant Time: Mar 07 00:19:09 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 28 01:48:16 2025  
Response via : Initial Calibration

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
RHL1PXIMS

## Manual Integrations APPROVED

Reviewed By :Anahy Claudio    03/07/2025  
Supervised By :Jagrut Upadhyay    03/07/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030625\  
 Data File : BF141876.D  
 Acq On : 06 Mar 2025 18:58  
 Operator : RC/JU  
 Sample : Q1492-01MSD  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

RHL1PXIMSD

## Manual Integrations

## APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025

Quant Time: Mar 07 00:20:15 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 28 01:48:16 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 6.887  | 152  | 165879   | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 8.169  | 136  | 641339   | 20.000  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 9.922  | 164  | 343104   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 11.404 | 188  | 535087   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 14.045 | 240  | 408916   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 15.521 | 264  | 392870   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.504  | 112  | 1053716  | 101.446 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.510  | 99   | 1349756  | 99.837  | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 7.445  | 82   | 885873   | 88.292  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 10.710 | 330  | 412077   | 127.930 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 9.239  | 172  | 1701534  | 79.519  | ng    | 0.00     |
| 79) Terphenyl-d14             | 12.992 | 244  | 1738196  | 68.774  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 2.722  | 88   | 189030   | 40.108  | ng    | 96       |
| 3) Pyridine                   | 3.493  | 79   | 439346   | 37.466  | ng    | 96       |
| 4) n-Nitrosodimethylamine     | 3.428  | 42   | 225946   | 40.044  | ng    | # 95     |
| 6) Aniline                    | 6.545  | 93   | 263363   | 18.738  | ng    | 98       |
| 8) 2-Chlorophenol             | 6.669  | 128  | 496022   | 44.145  | ng    | 95       |
| 9) Benzaldehyde               | 6.434  | 77   | 172920   | 21.989  | ng    | 98       |
| 10) Phenol                    | 6.522  | 94   | 595810   | 41.241  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 6.622  | 93   | 448513   | 40.728  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 6.828  | 146  | 527851   | 43.866  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 6.904  | 146  | 525467   | 43.339  | ng    | 100      |
| 14) 1,2-Dichlorobenzene       | 7.057  | 146  | 502115   | 44.349  | ng    | 99       |
| 15) Benzyl Alcohol            | 7.022  | 79   | 439921   | 40.715  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157  | 45   | 556085   | 33.251  | ng    | 95       |
| 17) 2-Methylphenol            | 7.134  | 107  | 393992   | 42.480  | ng    | 99       |
| 18) Hexachloroethane          | 7.398  | 117  | 195738   | 43.133  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 7.293  | 70   | 335961   | 37.803  | ng    | 98       |
| 20) 3+4-Methylphenols         | 7.281  | 107  | 498449   | 43.160  | ng    | 95       |
| 22) Acetophenone              | 7.293  | 105  | 735580   | 47.093  | ng    | 99       |
| 24) Nitrobenzene              | 7.463  | 77   | 517248   | 48.141  | ng    | 99       |
| 25) Isophorone                | 7.704  | 82   | 922364   | 42.790  | ng    | 99       |
| 26) 2-Nitrophenol             | 7.781  | 139  | 253903   | 52.435  | ng    | 97       |
| 27) 2,4-Dimethylphenol        | 7.816  | 122  | 418965   | 52.875  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 7.910  | 93   | 547974   | 39.852  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 8.016  | 162  | 406039   | 44.420  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 8.104  | 180  | 440747   | 44.002  | ng    | 100      |
| 31) Naphthalene               | 8.187  | 128  | 1426633  | 43.281  | ng    | 99       |
| 32) Benzoic acid              | 7.922  | 122  | 297673   | 45.490  | ng    | 97       |
| 33) 4-Chloroaniline           | 8.234  | 127  | 98459    | 8.147   | ng    | 98       |
| 34) Hexachlorobutadiene       | 8.304  | 225  | 284215   | 45.662  | ng    | 99       |
| 35) Caprolactam               | 8.598  | 113  | 130837m  | 46.527  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 8.710  | 107  | 437995   | 43.133  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 8.881  | 142  | 895702   | 41.429  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 8.981  | 142  | 871992   | 42.033  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 9.045  | 216  | 501259   | 50.585  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 9.034  | 237  | 621666   | 150.328 | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 9.151  | 196  | 293240   | 45.812  | ng    | 99       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF030625\  
 Data File : BF141876.D  
 Acq On : 06 Mar 2025 18:58  
 Operator : RC/JU  
 Sample : Q1492-01MSD  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

## Instrument :

BNA\_F

## ClientSampleId :

RHL1PXIMSD

## Manual Integrations

## APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025

Quant Time: Mar 07 00:20:15 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF022725.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 28 01:48:16 2025

Response via : Initial Calibration

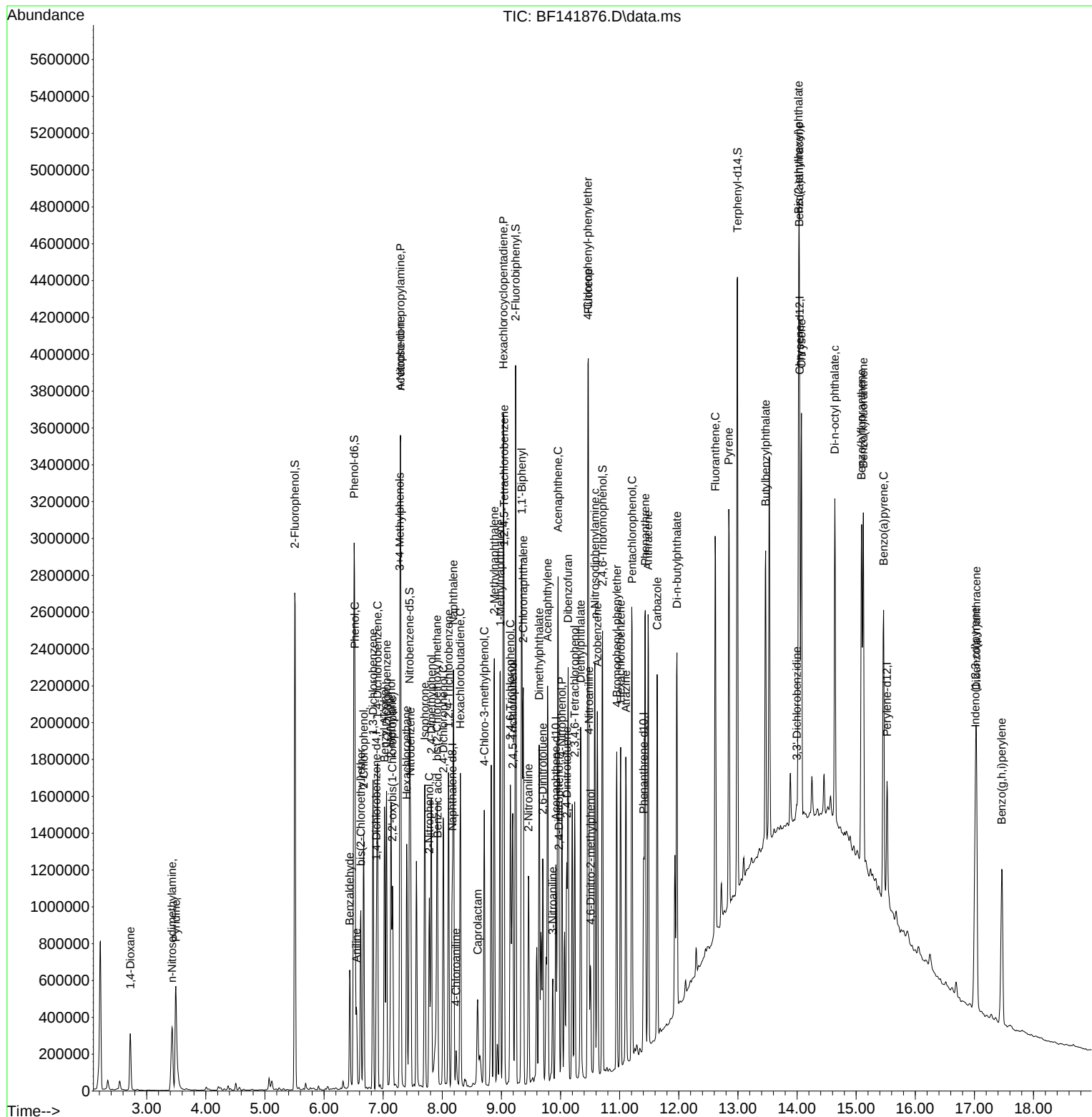
| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 9.192  | 196  | 302356   | 47.702  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 9.345  | 154  | 1284202  | 49.174  | ng    | 98       |
| 47) 2-Chloronaphthalene       | 9.369  | 162  | 873028   | 45.293  | ng    | 99       |
| 48) 2-Nitroaniline            | 9.457  | 65   | 270419   | 50.959  | ng    | 97       |
| 49) Acenaphthylene            | 9.781  | 152  | 1310365  | 45.342  | ng    | 100      |
| 50) Dimethylphthalate         | 9.639  | 163  | 1047770  | 45.601  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 9.698  | 165  | 218549   | 49.620  | ng    | 97       |
| 52) Acenaphthene              | 9.957  | 154  | 940623   | 48.237  | ng    | 99       |
| 53) 3-Nitroaniline            | 9.869  | 138  | 123441   | 27.702  | ng    | # 92     |
| 54) 2,4-Dinitrophenol         | 9.975  | 184  | 175151   | 84.922  | ng    | # 1      |
| 55) Dibenzofuran              | 10.128 | 168  | 1220355  | 42.997  | ng    | 100      |
| 56) 4-Nitrophenol             | 10.022 | 139  | 345342   | 101.763 | ng    | 97       |
| 57) 2,4-Dinitrotoluene        | 10.104 | 165  | 287461   | 53.135  | ng    | 91       |
| 58) Fluorene                  | 10.469 | 166  | 943758   | 44.391  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232  | 252533   | 45.810  | ng    | 99       |
| 60) Diethylphthalate          | 10.339 | 149  | 1012899  | 43.974  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204  | 479447   | 45.010  | ng    | 99       |
| 62) 4-Nitroaniline            | 10.481 | 138  | 173517   | 44.221  | ng    | 98       |
| 63) Azobenzene                | 10.622 | 77   | 1021007  | 42.098  | ng    | 95       |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198  | 112730   | 45.291  | ng    | 89       |
| 66) n-Nitrosodiphenylamine    | 10.581 | 169  | 822515   | 46.813  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248  | 294514   | 47.122  | ng    | 99       |
| 68) Hexachlorobenzene         | 11.016 | 284  | 325688   | 49.348  | ng    | 98       |
| 69) Atrazine                  | 11.104 | 200  | 310940   | 64.353  | ng    | 100      |
| 70) Pentachlorophenol         | 11.210 | 266  | 399912   | 95.539  | ng    | 99       |
| 71) Phenanthrene              | 11.433 | 178  | 1307483  | 45.681  | ng    | 100      |
| 72) Anthracene                | 11.480 | 178  | 1306433  | 45.543  | ng    | 99       |
| 73) Carbazole                 | 11.633 | 167  | 1115639  | 44.042  | ng    | 99       |
| 74) Di-n-butylphthalate       | 11.969 | 149  | 1414226  | 44.044  | ng    | 99       |
| 75) Fluoranthene              | 12.616 | 202  | 1276768  | 43.534  | ng    | 97       |
| 78) Pyrene                    | 12.845 | 202  | 1302226  | 36.776  | ng    | 99       |
| 80) Butylbenzylphthalate      | 13.469 | 149  | 536612   | 41.711  | ng    | 98       |
| 81) Benzo(a)anthracene        | 14.039 | 228  | 1209514  | 44.781  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 13.998 | 252  | 20307    | 2.621   | ng    | # 87     |
| 83) Chrysene                  | 14.074 | 228  | 1084992  | 43.577  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 14.027 | 149  | 725244   | 45.274  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 14.639 | 149  | 1216781  | 50.737  | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 17.015 | 276  | 1066521  | 42.632  | ng    | 95       |
| 88) Benzo(b)fluoranthene      | 15.092 | 252  | 1168709  | 43.672  | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 15.121 | 252  | 1105159  | 48.587  | ng    | 99       |
| 90) Benzo(a)pyrene            | 15.463 | 252  | 1023157  | 47.673  | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 17.033 | 278  | 901828   | 44.164  | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 17.462 | 276  | 791785   | 37.849  | ng    | 96       |

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

**Instrument :**  
BNA\_F  
**ClientSampleId :**  
RHL1PXIMSD

## Manual Integrations

Reviewed By :Anahy Claudio    03/07/2025  
Supervised By :Jaqrut Upadhyay    03/07/2025



## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BF022725 | Instrument | BNA_f |
|-----------|----------|------------|-------|

| Sample ID   | File ID    | Parameter   | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|-------------|------------|-------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| SSTDICC005  | BF141794.D | Aniline     | yogesh    | 2/28/2025 7:30:31 AM | mohammad      | 2/28/2025 7:32:51 AM | Peak Integrated by Software |
| SSTDICC005  | BF141794.D | Phenol      | yogesh    | 2/28/2025 7:30:31 AM | mohammad      | 2/28/2025 7:32:51 AM | Peak Integrated by Software |
| SSTDICC010  | BF141795.D | Phenol      | yogesh    | 2/28/2025 7:30:34 AM | mohammad      | 2/28/2025 7:32:51 AM | Peak Integrated by Software |
| SSTDICC020  | BF141796.D | Phenol      | yogesh    | 2/28/2025 7:30:37 AM | mohammad      | 2/28/2025 7:32:51 AM | Peak Integrated by Software |
| SSTDICCC040 | BF141797.D | Caprolactam | yogesh    | 2/28/2025 7:30:40 AM | mohammad      | 2/28/2025 7:32:51 AM | Peak Integrated by Software |
| SSTDICC080  | BF141800.D | Aniline     | yogesh    | 2/28/2025 7:30:43 AM | mohammad      | 2/28/2025 7:32:51 AM | Peak Integrated by Software |
| SSTDICC080  | BF141800.D | Phenol      | yogesh    | 2/28/2025 7:30:43 AM | mohammad      | 2/28/2025 7:32:51 AM | Peak Integrated by Software |

## Manual Integration Report

Sequence:

bf030625

Instrument

BNA\_f

| Sample ID   | File ID    | Parameter   | Review By | Review On           | Supervised By | Supervised On       | Reason                      |
|-------------|------------|-------------|-----------|---------------------|---------------|---------------------|-----------------------------|
| Q1492-01MS  | BF141875.D | Caprolactam | anahy     | 3/7/2025 9:04:27 AM | Jagrut        | 3/7/2025 9:43:00 AM | Peak Integrated by Software |
| Q1492-01MSD | BF141876.D | Caprolactam | anahy     | 3/7/2025 9:05:13 AM | Jagrut        | 3/7/2025 9:43:02 AM | Peak Integrated by Software |



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

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BF031025 | Instrument | BNA_f |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter   | Review By | Review On            | Supervised By | Supervised On         | Reason                      |
|------------|------------|-------------|-----------|----------------------|---------------|-----------------------|-----------------------------|
| SSTDICC080 | BF141904.D | Caprolactam | anahy     | 3/11/2025 9:10:54 AM | Jagrut        | 3/11/2025 10:18:21 AM | Peak Integrated by Software |



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

## Manual Integration Report

|           |          |            |       |
|-----------|----------|------------|-------|
| Sequence: | BF031125 | Instrument | BNA_f |
|-----------|----------|------------|-------|

| Sample ID  | File ID    | Parameter   | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|------------|------------|-------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| PB167012BS | BF141912.D | Caprolactam | anahy     | 3/12/2025<br>10:18:48 AM | Jagrut        | 3/12/2025<br>11:14:13 AM | Peak Integrated by Software |

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QCBatch ID # BF022725**

|                          |                                                         |                      |                      |
|--------------------------|---------------------------------------------------------|----------------------|----------------------|
| Review By                | yogesh                                                  | Review On            | 2/28/2025 7:30:58 AM |
| Supervise By             | mohammad                                                | Supervise On         | 2/28/2025 7:32:51 AM |
| SubDirectory             | BF022725                                                | HP Acquire Method    | BNA_F                |
|                          |                                                         | HP Processing Method | bf022725             |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                      |
| Tune/Reschk              | SP6717                                                  |                      |                      |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                      |                      |
| CCC                      | SP6725                                                  |                      |                      |
| Internal Standard/PEM    | S12653,10ul/1000ul sample                               |                      |                      |
| ICV/I.BLK                | SP6686                                                  |                      |                      |
| Surrogate Standard       |                                                         |                      |                      |
| MS/MSD Standard          |                                                         |                      |                      |
| LCS Standard             |                                                         |                      |                      |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BF141792.D     | 27 Feb 2025 14:47 | RC/JU    | Ok     |
| 2   | SSTDICC2.5  | BF141793.D     | 27 Feb 2025 15:17 | RC/JU    | Ok     |
| 3   | SSTDICC005  | BF141794.D     | 27 Feb 2025 15:46 | RC/JU    | Ok,M   |
| 4   | SSTDICC010  | BF141795.D     | 27 Feb 2025 16:16 | RC/JU    | Ok,M   |
| 5   | SSTDICC020  | BF141796.D     | 27 Feb 2025 16:46 | RC/JU    | Ok,M   |
| 6   | SSTDICCC040 | BF141797.D     | 27 Feb 2025 17:16 | RC/JU    | Ok,M   |
| 7   | SSTDICC050  | BF141798.D     | 27 Feb 2025 17:46 | RC/JU    | Ok     |
| 8   | SSTDICC060  | BF141799.D     | 27 Feb 2025 18:15 | RC/JU    | Ok     |
| 9   | SSTDICC080  | BF141800.D     | 27 Feb 2025 18:45 | RC/JU    | Ok,M   |
| 10  | SSTDICV040  | BF141801.D     | 27 Feb 2025 19:45 | RC/JU    | Ok     |
| 11  | PB166879TB  | BF141802.D     | 27 Feb 2025 20:44 | RC/JU    | Ok     |

M : Manual Integration

Instrument ID: **BNA\_F**

**Daily Analysis Runlog For Sequence/QC Batch ID # BF030625**

|                          |                                                         |                      |                     |
|--------------------------|---------------------------------------------------------|----------------------|---------------------|
| Review By                | anahy                                                   | Review On            | 3/7/2025 9:16:56 AM |
| Supervise By             | Jagrut                                                  | Supervise On         | 3/7/2025 9:43:33 AM |
| SubDirectory             | BF030625                                                | HP Acquire Method    | BNA_F               |
|                          |                                                         | HP Processing Method | bf022725            |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                     |
| Tune/Reschk              | SP6717                                                  |                      |                     |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                      |                     |
| CCC                      | SP6725                                                  |                      |                     |
| Internal Standard/PEM    | S12653,10ul/1000ul sample                               |                      |                     |
| ICV/I.BLK                | SP6686                                                  |                      |                     |
| Surrogate Standard       |                                                         |                      |                     |
| MS/MSD Standard          |                                                         |                      |                     |
| LCS Standard             |                                                         |                      |                     |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BF141857.D     | 06 Mar 2025 08:34 | RC/JU    | Ok     |
| 2   | SSTDCCC040  | BF141858.D     | 06 Mar 2025 09:52 | RC/JU    | Ok     |
| 3   | PB166984BL  | BF141859.D     | 06 Mar 2025 10:22 | RC/JU    | Ok     |
| 4   | PB166984BS  | BF141860.D     | 06 Mar 2025 10:52 | RC/JU    | Ok,M   |
| 5   | PB166982BL  | BF141861.D     | 06 Mar 2025 11:21 | RC/JU    | Ok     |
| 6   | PB166982BS  | BF141862.D     | 06 Mar 2025 11:51 | RC/JU    | Ok,M   |
| 7   | PB166982BSD | BF141863.D     | 06 Mar 2025 12:21 | RC/JU    | Ok,M   |
| 8   | Q1488-07    | BF141864.D     | 06 Mar 2025 13:01 | RC/JU    | Ok     |
| 9   | Q1488-01    | BF141865.D     | 06 Mar 2025 13:31 | RC/JU    | Ok     |
| 10  | Q1489-05    | BF141866.D     | 06 Mar 2025 14:01 | RC/JU    | Ok,M   |
| 11  | Q1478-01    | BF141867.D     | 06 Mar 2025 14:31 | RC/JU    | Ok     |
| 12  | Q1478-07    | BF141868.D     | 06 Mar 2025 15:01 | RC/JU    | Ok     |
| 13  | Q1478-05    | BF141869.D     | 06 Mar 2025 15:30 | RC/JU    | Ok     |
| 14  | Q1488-14    | BF141870.D     | 06 Mar 2025 16:00 | RC/JU    | Ok     |
| 15  | Q1488-13    | BF141871.D     | 06 Mar 2025 16:29 | RC/JU    | Ok     |
| 16  | Q1478-03    | BF141872.D     | 06 Mar 2025 16:59 | RC/JU    | Ok     |
| 17  | Q1484-06    | BF141873.D     | 06 Mar 2025 17:29 | RC/JU    | Ok     |
| 18  | Q1492-01    | BF141874.D     | 06 Mar 2025 17:59 | RC/JU    | Ok     |
| 19  | Q1492-01MS  | BF141875.D     | 06 Mar 2025 18:29 | RC/JU    | Ok,M   |
| 20  | Q1492-01MSD | BF141876.D     | 06 Mar 2025 18:58 | RC/JU    | Ok,M   |
| 21  | Q1494-05    | BF141877.D     | 06 Mar 2025 19:28 | RC/JU    | Ok     |

Instrument ID: **BNA\_F**

**Daily Analysis Runlog For Sequence/QCBatch ID # BF030625**

| Review By                | anahy                                                   | Review On            | 3/7/2025 9:16:56 AM |
|--------------------------|---------------------------------------------------------|----------------------|---------------------|
| Supervise By             | Jagrut                                                  | Supervise On         | 3/7/2025 9:43:33 AM |
| SubDirectory             | BF030625                                                | HP Acquire Method    | BNA_F               |
|                          |                                                         | HP Processing Method | bf022725            |
| STD. NAME                | STD REF.#                                               |                      |                     |
| Tune/Reschk              | SP6717                                                  |                      |                     |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                      |                     |
| CCC                      | SP6725                                                  |                      |                     |
| Internal Standard/PEM    | S12653,10ul/1000ul sample                               |                      |                     |
| ICV/I.BLK                | SP6686                                                  |                      |                     |
| Surrogate Standard       |                                                         |                      |                     |
| MS/MSD Standard          |                                                         |                      |                     |
| LCS Standard             |                                                         |                      |                     |

|    |            |            |                   |       |        |
|----|------------|------------|-------------------|-------|--------|
| 22 | Q1494-07   | BF141878.D | 06 Mar 2025 19:58 | RC/JU | Ok     |
| 23 | Q1490-01   | BF141879.D | 06 Mar 2025 20:27 | RC/JU | Ok,M   |
| 24 | Q1484-01DL | BF141880.D | 06 Mar 2025 20:57 | RC/JU | Not Ok |

M : Manual Integration

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF031025**

|                          |                                                         |                      |                       |
|--------------------------|---------------------------------------------------------|----------------------|-----------------------|
| Review By                | anahy                                                   | Review On            | 3/11/2025 9:11:47 AM  |
| Supervise By             | Jagrut                                                  | Supervise On         | 3/11/2025 10:18:40 AM |
| SubDirectory             | BF031025                                                | HP Acquire Method    | BNA_F                 |
|                          |                                                         | HP Processing Method | bf031025              |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                       |
| Tune/Reschk              | SP6717                                                  |                      |                       |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                      |                       |
| CCC                      | SP6725                                                  |                      |                       |
| Internal Standard/PEM    | S12653,10ul/1000ul sample                               |                      |                       |
| ICV/I.BLK                | SP6686                                                  |                      |                       |
| Surrogate Standard       |                                                         |                      |                       |
| MS/MSD Standard          |                                                         |                      |                       |
| LCS Standard             |                                                         |                      |                       |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | DFTPP       | BF141896.D     | 10 Mar 2025 10:31 | RC/JU    | Ok     |
| 2   | SSTDICC2.5  | BF141897.D     | 10 Mar 2025 11:01 | RC/JU    | Ok     |
| 3   | SSTDICC005  | BF141898.D     | 10 Mar 2025 11:30 | RC/JU    | Ok     |
| 4   | SSTDICC010  | BF141899.D     | 10 Mar 2025 12:00 | RC/JU    | Ok     |
| 5   | SSTDICC020  | BF141900.D     | 10 Mar 2025 12:29 | RC/JU    | Ok     |
| 6   | SSTDICCC040 | BF141901.D     | 10 Mar 2025 12:58 | RC/JU    | Ok     |
| 7   | SSTDICC050  | BF141902.D     | 10 Mar 2025 13:28 | RC/JU    | Not Ok |
| 8   | SSTDICC060  | BF141903.D     | 10 Mar 2025 13:57 | RC/JU    | Ok     |
| 9   | SSTDICC080  | BF141904.D     | 10 Mar 2025 14:27 | RC/JU    | Ok,M   |
| 10  | SSTDICC050  | BF141905.D     | 10 Mar 2025 15:20 | RC/JU    | Ok     |
| 11  | SSTDICV040  | BF141906.D     | 10 Mar 2025 15:53 | RC/JU    | Ok     |
| 12  | PB167012BL  | BF141907.D     | 10 Mar 2025 17:09 | RC/JU    | Ok     |
| 13  | SP6752      | BF141908.D     | 10 Mar 2025 17:39 | RC/JU    | Ok,M   |

M : Manual Integration

Instrument ID: **BNA\_F**

**Daily Analysis Runlog For Sequence/QC Batch ID # BF031125**

|                          |                                                         |                      |                       |
|--------------------------|---------------------------------------------------------|----------------------|-----------------------|
| Review By                | anahy                                                   | Review On            | 3/12/2025 10:51:52 AM |
| Supervise By             | Jagrut                                                  | Supervise On         | 3/12/2025 11:14:52 AM |
| SubDirectory             | BF031125                                                | HP Acquire Method    | BNA_F                 |
|                          |                                                         | HP Processing Method | bf031025              |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                       |
| Tune/Reschk              | SP6717                                                  |                      |                       |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                      |                       |
| CCC                      | SP6725                                                  |                      |                       |
| Internal Standard/PEM    | S12653,10ul/1000ul sample                               |                      |                       |
| ICV/I.BLK                | SP6686                                                  |                      |                       |
| Surrogate Standard       |                                                         |                      |                       |
| MS/MSD Standard          |                                                         |                      |                       |
| LCS Standard             |                                                         |                      |                       |

| Sr# | SampleId   | Data File Name | Date-Time         | Operator | Status   |
|-----|------------|----------------|-------------------|----------|----------|
| 1   | DFTPP      | BF141909.D     | 11 Mar 2025 10:52 | RC/JU    | Ok       |
| 2   | SSTDCCC040 | BF141910.D     | 11 Mar 2025 11:51 | RC/JU    | Ok       |
| 3   | PB167045BL | BF141911.D     | 11 Mar 2025 12:21 | RC/JU    | Ok       |
| 4   | PB167012BS | BF141912.D     | 11 Mar 2025 12:51 | RC/JU    | Ok,M     |
| 5   | PB167078BL | BF141913.D     | 11 Mar 2025 13:20 | RC/JU    | Ok       |
| 6   | PB167078BS | BF141914.D     | 11 Mar 2025 13:50 | RC/JU    | Ok,M     |
| 7   | Q1514-05   | BF141915.D     | 11 Mar 2025 14:26 | RC/JU    | Ok       |
| 8   | Q1507-01   | BF141916.D     | 11 Mar 2025 14:56 | RC/JU    | Dilution |
| 9   | Q1508-01   | BF141917.D     | 11 Mar 2025 15:26 | RC/JU    | Ok,M     |
| 10  | Q1514-01   | BF141918.D     | 11 Mar 2025 16:12 | RC/JU    | Ok,M     |
| 11  | Q1534-06   | BF141919.D     | 11 Mar 2025 16:42 | RC/JU    | Ok       |
| 12  | Q1534-12   | BF141920.D     | 11 Mar 2025 17:12 | RC/JU    | Ok       |
| 13  | Q1534-18   | BF141921.D     | 11 Mar 2025 17:42 | RC/JU    | Ok       |
| 14  | Q1534-24   | BF141922.D     | 11 Mar 2025 18:12 | RC/JU    | Ok,M     |
| 15  | Q1534-03   | BF141923.D     | 11 Mar 2025 18:42 | RC/JU    | Not Ok   |
| 16  | Q1515-01   | BF141924.D     | 11 Mar 2025 19:12 | RC/JU    | Ok,M     |
| 17  | Q1534-07   | BF141925.D     | 11 Mar 2025 19:42 | RC/JU    | Not Ok   |
| 18  | Q1534-01   | BF141926.D     | 11 Mar 2025 20:12 | RC/JU    | Ok,M     |
| 19  | Q1507-01DL | BF141927.D     | 11 Mar 2025 20:42 | RC/JU    | Not Ok   |
| 20  | Q1535-01   | BF141928.D     | 11 Mar 2025 21:12 | RC/JU    | Ok,M     |
| 21  | Q1494-03   | BF141929.D     | 11 Mar 2025 21:42 | RC/JU    | Ok       |

M : Manual Integration

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF022725**

|                          |                                                         |                      |                      |
|--------------------------|---------------------------------------------------------|----------------------|----------------------|
| Review By                | yogesh                                                  | Review On            | 2/28/2025 7:30:58 AM |
| Supervise By             | mohammad                                                | Supervise On         | 2/28/2025 7:32:51 AM |
| SubDirectory             | BF022725                                                | HP Acquire Method    | BNA_F                |
|                          |                                                         | HP Processing Method | bf022725             |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                      |
| Tune/Reschk              | SP6717                                                  |                      |                      |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                      |                      |
| CCC                      | SP6725                                                  |                      |                      |
| Internal Standard/PEM    | S12653,10ul/1000ul sample                               |                      |                      |
| ICV/I.BLK                | SP6686                                                  |                      |                      |
| Surrogate Standard       |                                                         |                      |                      |
| MS/MSD Standard          |                                                         |                      |                      |
| LCS Standard             |                                                         |                      |                      |

| Sr# | SampleID    | ClientID    | Data File Name | Date-Time         | Comment                                                                                      | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|----------------------------------------------------------------------------------------------|----------|--------|
| 1   | DFTPP       | DFTPP       | BF141792.D     | 27 Feb 2025 14:47 |                                                                                              | RC/JU    | Ok     |
| 2   | SSTDICC2.5  | SSTDICC2.5  | BF141793.D     | 27 Feb 2025 15:17 |                                                                                              | RC/JU    | Ok     |
| 3   | SSTDICC005  | SSTDICC005  | BF141794.D     | 27 Feb 2025 15:46 | Compound #32,54,65,77 removed from 5ppm                                                      | RC/JU    | Ok,M   |
| 4   | SSTDICC010  | SSTDICC010  | BF141795.D     | 27 Feb 2025 16:16 | Compound #26,32,48,51,53,57,65 Kept on LR and Compound #54 Kept on QR                        | RC/JU    | Ok,M   |
| 5   | SSTDICC020  | SSTDICC020  | BF141796.D     | 27 Feb 2025 16:46 | The Calibration is Fail for Com#77                                                           | RC/JU    | Ok,M   |
| 6   | SSTDICCC040 | SSTDICCC040 | BF141797.D     | 27 Feb 2025 17:16 | The Calibration is Good For 8270E, 8270 DOD Except com#77 and 625.1 Method Except for Com#77 | RC/JU    | Ok,M   |
| 7   | SSTDICC050  | SSTDICC050  | BF141798.D     | 27 Feb 2025 17:46 |                                                                                              | RC/JU    | Ok     |
| 8   | SSTDICC060  | SSTDICC060  | BF141799.D     | 27 Feb 2025 18:15 |                                                                                              | RC/JU    | Ok     |
| 9   | SSTDICC080  | SSTDICC080  | BF141800.D     | 27 Feb 2025 18:45 | Compound #69 removed from 80ppm                                                              | RC/JU    | Ok,M   |
| 10  | SSTDICV040  | ICVBF022725 | BF141801.D     | 27 Feb 2025 19:45 | ICV Fail for Com#56,62,77 for DOD and ICV Fail for Com#77 for NON- DOD                       | RC/JU    | Ok     |
| 11  | PB166879TB  | PB166879TB  | BF141802.D     | 27 Feb 2025 20:44 |                                                                                              | RC/JU    | Ok     |

M : Manual Integration

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF030625**

|                          |          |                                                         |                     |                      |          |
|--------------------------|----------|---------------------------------------------------------|---------------------|----------------------|----------|
| Review By                | anahy    | Review On                                               | 3/7/2025 9:16:56 AM |                      |          |
| Supervise By             | Jagrut   | Supervise On                                            | 3/7/2025 9:43:33 AM |                      |          |
| SubDirectory             | BF030625 | HP Acquire Method                                       | BNA_F               | HP Processing Method | bf022725 |
| STD. NAME                |          | STD REF.#                                               |                     |                      |          |
| Tune/Reschk              |          | SP6717                                                  |                     |                      |          |
| Initial Calibration Stds |          | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                     |                      |          |
| CCC                      |          | SP6725                                                  |                     |                      |          |
| Internal Standard/PEM    |          | S12653,10ul/1000ul sample                               |                     |                      |          |
| ICV/I.BLK                |          | SP6686                                                  |                     |                      |          |
| Surrogate Standard       |          |                                                         |                     |                      |          |
| MS/MSD Standard          |          |                                                         |                     |                      |          |
| LCS Standard             |          |                                                         |                     |                      |          |

| Sr# | SampleID    | ClientID          | Data File Name | Date-Time         | Comment | Operator | Status |
|-----|-------------|-------------------|----------------|-------------------|---------|----------|--------|
| 1   | DFTPP       | DFTPP             | BF141857.D     | 06 Mar 2025 08:34 |         | RC/JU    | Ok     |
| 2   | SSTDCCC040  | SSTDCCC040        | BF141858.D     | 06 Mar 2025 09:52 |         | RC/JU    | Ok     |
| 3   | PB166984BL  | PB166984BL        | BF141859.D     | 06 Mar 2025 10:22 |         | RC/JU    | Ok     |
| 4   | PB166984BS  | PB166984BS        | BF141860.D     | 06 Mar 2025 10:52 |         | RC/JU    | Ok,M   |
| 5   | PB166982BL  | PB166982BL        | BF141861.D     | 06 Mar 2025 11:21 |         | RC/JU    | Ok     |
| 6   | PB166982BS  | PB166982BS        | BF141862.D     | 06 Mar 2025 11:51 |         | RC/JU    | Ok,M   |
| 7   | PB166982BSD | PB166982BSD       | BF141863.D     | 06 Mar 2025 12:21 |         | RC/JU    | Ok,M   |
| 8   | Q1488-07    | ENV-102-SB02      | BF141864.D     | 06 Mar 2025 13:01 |         | RC/JU    | Ok     |
| 9   | Q1488-01    | ENV-101-SB01      | BF141865.D     | 06 Mar 2025 13:31 |         | RC/JU    | Ok     |
| 10  | Q1489-05    | TP-2              | BF141866.D     | 06 Mar 2025 14:01 |         | RC/JU    | Ok,M   |
| 11  | Q1478-01    | IDW-AQ-MW-19B-COM | BF141867.D     | 06 Mar 2025 14:31 |         | RC/JU    | Ok     |
| 12  | Q1478-07    | IDW-AQ-IW-03-COMP | BF141868.D     | 06 Mar 2025 15:01 |         | RC/JU    | Ok     |
| 13  | Q1478-05    | IDW-AQ-IW-02-COMP | BF141869.D     | 06 Mar 2025 15:30 |         | RC/JU    | Ok     |
| 14  | Q1488-14    | ENV-104-GW01      | BF141870.D     | 06 Mar 2025 16:00 |         | RC/JU    | Ok     |
| 15  | Q1488-13    | ENV-102-GW01      | BF141871.D     | 06 Mar 2025 16:29 |         | RC/JU    | Ok     |
| 16  | Q1478-03    | IDW-AQ-IW-01-COMP | BF141872.D     | 06 Mar 2025 16:59 |         | RC/JU    | Ok     |
| 17  | Q1484-06    | TR-OTR-COMP-01    | BF141873.D     | 06 Mar 2025 17:29 |         | RC/JU    | Ok     |
| 18  | Q1492-01    | RHL1PXI           | BF141874.D     | 06 Mar 2025 17:59 |         | RC/JU    | Ok     |

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF030625**

| Review By                | anahy                                                   | Review On         | 3/7/2025 9:16:56 AM |                      |          |
|--------------------------|---------------------------------------------------------|-------------------|---------------------|----------------------|----------|
| Supervise By             | Jagrut                                                  | Supervise On      | 3/7/2025 9:43:33 AM |                      |          |
| SubDirectory             | BF030625                                                | HP Acquire Method | BNA_F               | HP Processing Method | bf022725 |
| STD. NAME                | STD REF.#                                               |                   |                     |                      |          |
| Tune/Reschk              | SP6717                                                  |                   |                     |                      |          |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                   |                     |                      |          |
| CCC                      | SP6725                                                  |                   |                     |                      |          |
| Internal Standard/PEM    | S12653,10ul/1000ul sample                               |                   |                     |                      |          |
| ICV/I.BLK                | SP6686                                                  |                   |                     |                      |          |
| Surrogate Standard       |                                                         |                   |                     |                      |          |
| MS/MSD Standard          |                                                         |                   |                     |                      |          |
| LCS Standard             |                                                         |                   |                     |                      |          |

|    |             |                  |            |                   |                  |       |        |
|----|-------------|------------------|------------|-------------------|------------------|-------|--------|
| 19 | Q1492-01MS  | RHL1PXIMS        | BF141875.D | 06 Mar 2025 18:29 |                  | RC/JU | Ok,M   |
| 20 | Q1492-01MSD | RHL1PXIMSD       | BF141876.D | 06 Mar 2025 18:58 |                  | RC/JU | Ok,M   |
| 21 | Q1494-05    | SOIL             | BF141877.D | 06 Mar 2025 19:28 |                  | RC/JU | Ok     |
| 22 | Q1494-07    | SOIL-COMP        | BF141878.D | 06 Mar 2025 19:58 |                  | RC/JU | Ok     |
| 23 | Q1490-01    | CLAY-SLUDGE-DRUM | BF141879.D | 06 Mar 2025 20:27 |                  | RC/JU | Ok,M   |
| 24 | Q1484-01DL  | TR-OTR-COMP-01DL | BF141880.D | 06 Mar 2025 20:57 | Out Of Tune Time | RC/JU | Not Ok |

M : Manual Integration

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF031025**

|                          |          |                                                         |                       |                      |          |
|--------------------------|----------|---------------------------------------------------------|-----------------------|----------------------|----------|
| Review By                | anahy    | Review On                                               | 3/11/2025 9:11:47 AM  |                      |          |
| Supervise By             | Jagrut   | Supervise On                                            | 3/11/2025 10:18:40 AM |                      |          |
| SubDirectory             | BF031025 | HP Acquire Method                                       | BNA_F                 | HP Processing Method | bf031025 |
| STD. NAME                |          | STD REF.#                                               |                       |                      |          |
| Tune/Reschk              |          | SP6717                                                  |                       |                      |          |
| Initial Calibration Stds |          | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                       |                      |          |
| CCC                      |          | SP6725                                                  |                       |                      |          |
| Internal Standard/PEM    |          | S12653,10ul/1000ul sample                               |                       |                      |          |
| ICV/I.BLK                |          | SP6686                                                  |                       |                      |          |
| Surrogate Standard       |          |                                                         |                       |                      |          |
| MS/MSD Standard          |          |                                                         |                       |                      |          |
| LCS Standard             |          |                                                         |                       |                      |          |

| Sr# | SampleId    | ClientID    | Data File Name | Date-Time         | Comment                                                                           | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|-----------------------------------------------------------------------------------|----------|--------|
| 1   | DFTPP       | DFTPP       | BF141896.D     | 10 Mar 2025 10:31 |                                                                                   | RC/JU    | Ok     |
| 2   | SSTDICC2.5  | SSTDICC2.5  | BF141897.D     | 10 Mar 2025 11:01 |                                                                                   | RC/JU    | Ok     |
| 3   | SSTDICC005  | SSTDICC005  | BF141898.D     | 10 Mar 2025 11:30 | Compound#9,32,54,65 removed from 5 ppm                                            | RC/JU    | Ok     |
| 4   | SSTDICC010  | SSTDICC010  | BF141899.D     | 10 Mar 2025 12:00 |                                                                                   | RC/JU    | Ok     |
| 5   | SSTDICC020  | SSTDICC020  | BF141900.D     | 10 Mar 2025 12:29 | Compound #54 Kept on LR, Method is good for DOD . Method failed for compound #77. | RC/JU    | Ok     |
| 6   | SSTDICCC040 | SSTDICCC040 | BF141901.D     | 10 Mar 2025 12:58 |                                                                                   | RC/JU    | Ok     |
| 7   | SSTDICC050  | SSTDICC050  | BF141902.D     | 10 Mar 2025 13:28 | Not used                                                                          | RC/JU    | Not Ok |
| 8   | SSTDICC060  | SSTDICC060  | BF141903.D     | 10 Mar 2025 13:57 | Compound#69 Removed from 60 ppm                                                   | RC/JU    | Ok     |
| 9   | SSTDICC080  | SSTDICC080  | BF141904.D     | 10 Mar 2025 14:27 | Compound#9,69 Removed from 80 ppm                                                 | RC/JU    | Ok,M   |
| 10  | SSTDICC050  | SSTDICC050  | BF141905.D     | 10 Mar 2025 15:20 |                                                                                   | RC/JU    | Ok     |
| 11  | SSTDICV040  | ICVBF031025 | BF141906.D     | 10 Mar 2025 15:53 |                                                                                   | RC/JU    | Ok     |
| 12  | PB167012BL  | PB167012BL  | BF141907.D     | 10 Mar 2025 17:09 |                                                                                   | RC/JU    | Ok     |
| 13  | SP6752      | SP6752      | BF141908.D     | 10 Mar 2025 17:39 | 8270 SPIKE-SP6752                                                                 | RC/JU    | Ok,M   |

M : Manual Integration

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF031125**

|                          |                                                         |                      |                       |
|--------------------------|---------------------------------------------------------|----------------------|-----------------------|
| Review By                | anahy                                                   | Review On            | 3/12/2025 10:51:52 AM |
| Supervise By             | Jagrut                                                  | Supervise On         | 3/12/2025 11:14:52 AM |
| SubDirectory             | BF031125                                                | HP Acquire Method    | BNA_F                 |
|                          |                                                         | HP Processing Method | bf031025              |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                        |                      |                       |
| Tune/Reschk              | SP6717                                                  |                      |                       |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                      |                       |
| CCC                      | SP6725                                                  |                      |                       |
| Internal Standard/PEM    | S12653,10ul/1000ul sample                               |                      |                       |
| ICV/I.BLK                | SP6686                                                  |                      |                       |
| Surrogate Standard       |                                                         |                      |                       |
| MS/MSD Standard          |                                                         |                      |                       |
| LCS Standard             |                                                         |                      |                       |

| Sr# | SampleId   | ClientID          | Data File Name | Date-Time         | Comment                           | Operator | Status   |
|-----|------------|-------------------|----------------|-------------------|-----------------------------------|----------|----------|
| 1   | DFTPP      | DFTPP             | BF141909.D     | 11 Mar 2025 10:52 |                                   | RC/JU    | Ok       |
| 2   | SSTDCCC040 | SSTDCCC040        | BF141910.D     | 11 Mar 2025 11:51 | CCC fail high side for com. #77   | RC/JU    | Ok       |
| 3   | PB167045BL | PB167045BL        | BF141911.D     | 11 Mar 2025 12:21 |                                   | RC/JU    | Ok       |
| 4   | PB167012BS | PB167012BS        | BF141912.D     | 11 Mar 2025 12:51 |                                   | RC/JU    | Ok,M     |
| 5   | PB167078BL | PB167078BL        | BF141913.D     | 11 Mar 2025 13:20 |                                   | RC/JU    | Ok       |
| 6   | PB167078BS | PB167078BS        | BF141914.D     | 11 Mar 2025 13:50 |                                   | RC/JU    | Ok,M     |
| 7   | Q1514-05   | ENV-103-SB01      | BF141915.D     | 11 Mar 2025 14:26 |                                   | RC/JU    | Ok       |
| 8   | Q1507-01   | 50-MIDDLESEX-AVE  | BF141916.D     | 11 Mar 2025 14:56 | Need 5X Dilution                  | RC/JU    | Dilution |
| 9   | Q1508-01   | RBR251372         | BF141917.D     | 11 Mar 2025 15:26 | Internal standard failed.         | RC/JU    | Ok,M     |
| 10  | Q1514-01   | ENV-105-SB01      | BF141918.D     | 11 Mar 2025 16:12 |                                   | RC/JU    | Ok,M     |
| 11  | Q1534-06   | OR-363-COMP-16    | BF141919.D     | 11 Mar 2025 16:42 |                                   | RC/JU    | Ok       |
| 12  | Q1534-12   | OR-363-COMP-17    | BF141920.D     | 11 Mar 2025 17:12 |                                   | RC/JU    | Ok       |
| 13  | Q1534-18   | OR-363-COMP-18    | BF141921.D     | 11 Mar 2025 17:42 |                                   | RC/JU    | Ok       |
| 14  | Q1534-24   | OR-363OR-363-COMP | BF141922.D     | 11 Mar 2025 18:12 |                                   | RC/JU    | Ok,M     |
| 15  | Q1534-03   | OR-363-46         | BF141923.D     | 11 Mar 2025 18:42 | Test is not present on login page | RC/JU    | Not Ok   |
| 16  | Q1515-01   | AU-06-030625      | BF141924.D     | 11 Mar 2025 19:12 |                                   | RC/JU    | Ok,M     |
| 17  | Q1534-07   | OR-363-COMP-17    | BF141925.D     | 11 Mar 2025 19:42 | Need Straight Run                 | RC/JU    | Not Ok   |
| 18  | Q1534-01   | OR-363-COMP-16    | BF141926.D     | 11 Mar 2025 20:12 | Internal Standard Fail            | RC/JU    | Ok,M     |

Instrument ID: BNA\_F

**Daily Analysis Runlog For Sequence/QC Batch ID # BF031125**

| Review By                | anahy                                                   | Review On         | 3/12/2025 10:51:52 AM |                      |          |
|--------------------------|---------------------------------------------------------|-------------------|-----------------------|----------------------|----------|
| Supervise By             | Jagrut                                                  | Supervise On      | 3/12/2025 11:14:52 AM |                      |          |
| SubDirectory             | BF031125                                                | HP Acquire Method | BNA_F                 | HP Processing Method | bf031025 |
| STD. NAME                | STD REF.#                                               |                   |                       |                      |          |
| Tune/Reschk              | SP6717                                                  |                   |                       |                      |          |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |                   |                       |                      |          |
| CCC                      | SP6725                                                  |                   |                       |                      |          |
| Internal Standard/PEM    | S12653,10ul/1000ul sample                               |                   |                       |                      |          |
| ICV/I.BLK                | SP6686                                                  |                   |                       |                      |          |
| Surrogate Standard       |                                                         |                   |                       |                      |          |
| MS/MSD Standard          |                                                         |                   |                       |                      |          |
| LCS Standard             |                                                         |                   |                       |                      |          |

|    |            |                   |            |                   |                        |       |        |
|----|------------|-------------------|------------|-------------------|------------------------|-------|--------|
| 19 | Q1507-01DL | 50-MIDDLESEX-AVED | BF141927.D | 11 Mar 2025 20:42 | Internal Standard Fail | RC/JU | Not Ok |
| 20 | Q1535-01   | SU-03-03102025    | BF141928.D | 11 Mar 2025 21:12 | Internal Standard Fail | RC/JU | Ok,M   |
| 21 | Q1494-03   | ASPHALT-SOIL      | BF141929.D | 11 Mar 2025 21:42 | Internal Standard Fail | RC/JU | Ok     |

M : Manual Integration

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K

|                              |                                                                                                                                                                                                                      |                                |            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|------------|
| <b>SOP ID:</b>               | M3541-ASE Extraction-14                                                                                                                                                                                              |                                |            |
| <b>Clean Up SOP #:</b>       | N/A                                                                                                                                                                                                                  | <b>Extraction Start Date :</b> | 03/06/2025 |
| <b>Matrix :</b>              | Solid                                                                                                                                                                                                                | <b>Extraction Start Time :</b> | 09:10      |
| <b>Weigh By:</b>             | EH                                                                                                                                                                                                                   | <b>Extraction By:</b>          | RJ         |
| <b>Balance check:</b>        | RJ                                                                                                                                                                                                                   | <b>Filter By:</b>              | RJ         |
| <b>Balance ID:</b>           | EX-SC-2                                                                                                                                                                                                              | <b>pH Meter ID:</b>            | N/A        |
| <b>pH Strip Lot#:</b>        | N/A                                                                                                                                                                                                                  | <b>Hood ID:</b>                | 3,7        |
| <b>Extraction Method:</b>    | <input type="checkbox"/> Separatory Funnel <input type="checkbox"/> Continuous Liquid/Liquid <input type="checkbox"/> Sonication <input type="checkbox"/> Waste Dilution <input checked="" type="checkbox"/> Soxhlet |                                |            |
| <b>Extraction End Date :</b> | 03/06/2025                                                                                                                                                                                                           |                                |            |
| <b>Extraction End Time :</b> | 12:10                                                                                                                                                                                                                |                                |            |
| <b>Concentration By:</b>     | EH                                                                                                                                                                                                                   |                                |            |
| <b>Supervisor By :</b>       | RUPESH                                                                                                                                                                                                               |                                |            |

| Standard Name | MLS USED | Concentration ug/mL | STD REF. # FROM LOG |
|---------------|----------|---------------------|---------------------|
| Spike Sol 1   | 1.0ML    | 50/100 PPM          | SP6720              |
| Surrogate     | 1.0ML    | 100/150 PPM         | SP6638              |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |
| N/A           | N/A      | N/A                 | N/A                 |

| Chemical Used      | ML/SAMPLE USED | Lot Number |
|--------------------|----------------|------------|
| MeCl2/Acetone/1:1  | N/A            | EP2591     |
| Baked Na2SO4       | N/A            | EP2590     |
| Methylene Chloride | N/A            | E3878      |
| Sand               | N/A            | E2865      |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |
| N/A                | N/A            | N/A        |

**Extraction Conformance/Non-Conformance Comments:**

1.5 ML Vial lot # 2210673. Q1494-03 Used 30gm. as sample is tar matrix.

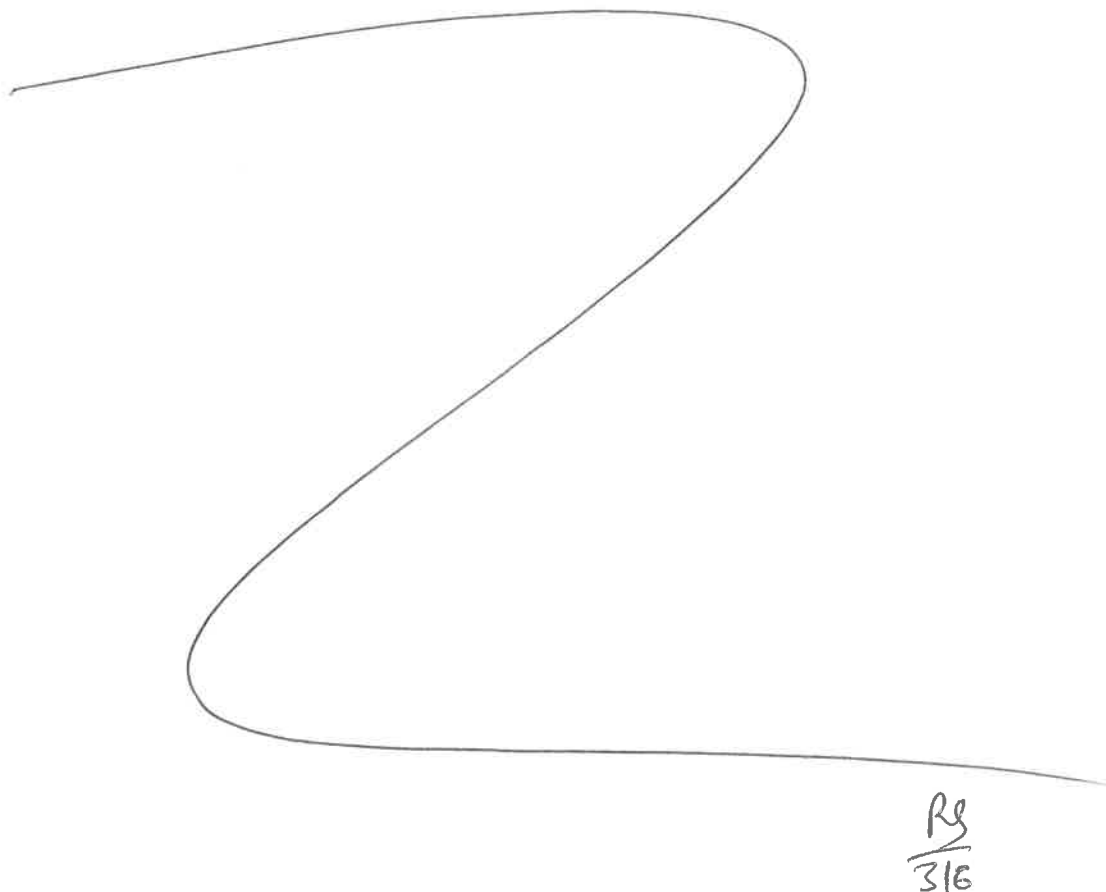
|                             |     |                           |          |
|-----------------------------|-----|---------------------------|----------|
| <b>KD Bath ID:</b>          | N/A | <b>Envap ID:</b>          | NEVAP-02 |
| <b>KD Bath Temperature:</b> | N/A | <b>Envap Temperature:</b> | 40 °C    |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|-------------|-----------------------------------------|----------------------|
| 3/6/25      | RS (EGG-Lab)                            | RLSVOC               |
| 12:15       | Preparation Group                       | Analysis Group       |

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 03/06/2025

| Sample ID       | Client Sample ID  | Test                | g/ mL | PH  | Surr/Spike By: |            | Final Vol.<br>(mL) | JarID | Comments | Prep<br>Pos |
|-----------------|-------------------|---------------------|-------|-----|----------------|------------|--------------------|-------|----------|-------------|
|                 |                   |                     |       |     | AddedBy        | VerifiedBy |                    |       |          |             |
| PB167012BL      | SBLK012           | SVOC-TCL BNA<br>-20 | 30.01 | N/A | ritesh         | Evelyn     | 1                  |       |          | U4-1        |
| PB167012BS      | SLCS012           | SVOC-TCL BNA<br>-20 | 30.03 | N/A | ritesh         | Evelyn     | 1                  |       |          | 2           |
| Q1490-01        | CLAY-SLUDGE-DRUMS | SVOC-TCL BNA<br>-20 | 50.05 | N/A | ritesh         | Evelyn     | 1                  | E     |          | 3           |
| Q1492-01        | RHL1PXI           | SVOC-PAH            | 30.03 | N/A | ritesh         | Evelyn     | 1                  |       |          | 4           |
| Q1492-01MS      | RHL1PXIMS         | SVOC-PAH            | 30.08 | N/A | ritesh         | Evelyn     | 1                  |       |          | 5           |
| Q1492-01MS<br>D | RHL1PXIMSD        | SVOC-PAH            | 30.05 | N/A | ritesh         | Evelyn     | 1                  |       |          | 6           |
| Q1494-03        | ASPHALT-SOIL      | SVOC-TCL BNA<br>-20 | 30.04 | N/A | ritesh         | Evelyn     | 1                  | C     | Tar+Soil | U6-1        |
| Q1494-05        | SOIL              | SVOC-TCL BNA<br>-20 | 50.06 | N/A | ritesh         | Evelyn     | 1                  | C     |          | 2           |
| Q1494-07        | SOIL-COMP         | SVOC-TCL BNA<br>-20 | 50.07 | N/A | ritesh         | Evelyn     | 1                  | C     |          | 3           |



167012  
9:10

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1490BN      WorkList ID : 188072      Department : Extraction      Date : 03-06-2025 08:34:35

| Sample   | Customer Sample   | Matrix | Test             | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|----------|-------------------|--------|------------------|--------------|----------|-----------------------------|--------------|--------|
| Q1490-01 | CLAY-SLUDGE-DRUMS | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03   | I21                         | 03/05/2025   | 8270E  |
| Q1492-01 | RHL1PXI           | Solid  | SVOC-PAH         | Cool 4 deg C | GENV01   | I21                         | 03/05/2025   | 8270E  |
| Q1494-03 | ASPHALT-SOIL      | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03   | I31                         | 03/05/2025   | 8270E  |
| Q1494-05 | SOIL              | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03   | I31                         | 03/05/2025   | 8270E  |
| Q1494-07 | SOIL-COMP         | Solid  | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG03   | I31                         | 03/05/2025   | 8270E  |

Date/Time 03/06/25 8:55  
Raw Sample Received by: RJ GELT-Lab  
Raw Sample Relinquished by: CP SM

Date/Time 03/06/25 9:30  
Raw Sample Received by: CP SM  
Raw Sample Relinquished by: RJ GELT-Lab





LAB CHRONICLE

|          |                 |            |                      |
|----------|-----------------|------------|----------------------|
| OrderID: | Q1492           | OrderDate: | 3/5/2025 12:21:00 PM |
| Client:  | G Environmental | Project:   | Nelson               |
| Contact: | Gary Landis     | Location:  | I21                  |

| LabID    | ClientID | Matrix | Test     | Method | Sample Date | Prep Date | Anal Date | Received |
|----------|----------|--------|----------|--------|-------------|-----------|-----------|----------|
| Q1492-01 | RHL1PXI  | SOIL   | SVOC-PAH | 8270E  | 03/05/25    | 03/06/25  | 03/06/25  | 03/05/25 |