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

# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1447

**Client:** G Environmental

| Sample ID | Client ID | Matrix | Parameter | | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID :** | **WC1** | | | | | | | | |
| Q1447-01 | WC1 | SOIL | Naphthalene | | 94.700 | J | 89.2 | 180 | ug/Kg |
| Q1447-01 | WC1 | SOIL | Bis(2-ethylhexyl)phthalate | | 1,400.000 | | 98.3 | 180 | ug/Kg |
| | | | **Total Svoc :** | | **1,494.70** | | | | |
| Q1447-01 | WC1 | SOIL | 1-Dodecene | * | 260.000 | J | 0 | 0 | ug/Kg |
| Q1447-01 | WC1 | SOIL | 2,5-Cyclohexadiene-1,4-dione, 2,( | * | 390.000 | J | 0 | 0 | ug/Kg |
| Q1447-01 | WC1 | SOIL | Benzene, 1,2,4,5-tetramethyl- | * | 380.000 | J | 0 | 0 | ug/Kg |
| Q1447-01 | WC1 | SOIL | Benzene, 1-cyclohexyl-3-methyl- | * | 680.000 | J | 0 | 0 | ug/Kg |
| Q1447-01 | WC1 | SOIL | Cyclohexane, (2-methylpropyl)- | * | 320.000 | J | 0 | 0 | ug/Kg |
| Q1447-01 | WC1 | SOIL | Cyclohexane, 1-methyl-2-propyl- | * | 210.000 | J | 0 | 0 | ug/Kg |
| Q1447-01 | WC1 | SOIL | Cyclohexane, pentyl- | * | 570.000 | J | 0 | 0 | ug/Kg |
| Q1447-01 | WC1 | SOIL | Decane, 3,7-dimethyl- | * | 1,700.000 | J | 0 | 0 | ug/Kg |
| Q1447-01 | WC1 | SOIL | Mesitylene | * | 430.000 | J | 0 | 0 | ug/Kg |
| Q1447-01 | WC1 | SOIL | Naphthalene, decahydro-, trans- | * | 320.000 | J | 0 | 0 | ug/Kg |
| Q1447-01 | WC1 | SOIL | o-Cymene | * | 170.000 | J | 0 | 0 | ug/Kg |
| Q1447-01 | WC1 | SOIL | Sulfurous acid, 2-ethylhexyl tride | * | 720.000 | J | 0 | 0 | ug/Kg |
| Q1447-01 | WC1 | SOIL | Tetratetracontane | * | 820.000 | J | 0 | 0 | ug/Kg |
| Q1447-01 | WC1 | SOIL | Tridecane, 6-methyl- | * | 490.000 | J | 0 | 0 | ug/Kg |
| Q1447-01 | WC1 | SOIL | unknown6.145 | * | 220.000 | J | 0 | 0 | ug/Kg |
| Q1447-01 | WC1 | SOIL | unknown7.004 | * | 250.000 | J | 0 | 0 | ug/Kg |
| Q1447-01 | WC1 | SOIL | unknown7.534 | * | 650.000 | J | 0 | 0 | ug/Kg |
| Q1447-01 | WC1 | SOIL | unknown7.816 | * | 190.000 | J | 0 | 0 | ug/Kg |
| Q1447-01 | WC1 | SOIL | unknown8.104 | * | 420.000 | J | 0 | 0 | ug/Kg |
| Q1447-01 | WC1 | SOIL | unknown8.410 | * | 180.000 | J | 0 | 0 | ug/Kg |
| | | | **Total Tics :** | | **9,370.00** | | | | |
| | | | **Total Concentration:** | | **10,864.70** | | | | |

# SAMPLE DATA

Raw Data: **BF141821.D**

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | 02/23/25 |
| Project: | Nelson | | | Date Received: | 02/26/25 |
| Client Sample ID: | WC1 | | | SDG No.: | Q1447 |
| Lab Sample ID: | Q1447-01 | | | Matrix: | SOIL |
| Analytical Method: | SW8270 | | | % Solid: | 92.4 |
| Sample Wt/Vol: | 30.07 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141821.D | 1 | 03/03/25 13:15 | 03/03/25 19:14 | PB166957 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 200 | U | 200 | 360 | ug/Kg |
| 108-95-2 | Phenol | 89.5 | U | 89.5 | 180 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 90.4 | U | 90.4 | 180 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 90.2 | U | 90.2 | 180 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 87.0 | U | 87.0 | 180 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 98.1 | U | 98.1 | 180 | ug/Kg |
| 98-86-2 | Acetophenone | 93.8 | U | 93.8 | 180 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 86.2 | U | 86.2 | 360 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 43.5 | U | 43.5 | 86.4 | ug/Kg |
| 67-72-1 | Hexachloroethane | 89.6 | U | 89.6 | 180 | ug/Kg |
| 98-95-3 | Nitrobenzene | 98.0 | U | 98.0 | 180 | ug/Kg |
| 78-59-1 | Isophorone | 91.3 | U | 91.3 | 180 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 100 | U | 100 | 180 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 100 | U | 100 | 180 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 92.6 | U | 92.6 | 180 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 81.5 | U | 81.5 | 180 | ug/Kg |
| 91-20-3 | Naphthalene | 94.7 | J | 89.2 | 180 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 89.2 | UQ | 89.2 | 180 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 89.9 | U | 89.9 | 180 | ug/Kg |
| 105-60-2 | Caprolactam | 93.7 | U | 93.7 | 360 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 83.7 | U | 83.7 | 180 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 89.1 | U | 89.1 | 180 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 170 | U | 170 | 360 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 77.1 | U | 77.1 | 180 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 79.9 | U | 79.9 | 180 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 94.4 | U | 94.4 | 180 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 89.9 | U | 89.9 | 180 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 100 | U | 100 | 180 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 88.2 | U | 88.2 | 180 | ug/Kg |

Raw Data: **BF141821.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 02/23/25 |
| Project: | Nelson | Date Received: | 02/26/25 |
| Client Sample ID: | WC1 | SDG No.: | Q1447 |
| Lab Sample ID: | Q1447-01 | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 92.4 |
| Sample Wt/Vol: | 30.07 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141821.D | 1 | 03/03/25 13:15 | 03/03/25 19:14 | PB166957 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 93.4 | U | 93.4 | 180 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 89.8 | U | 89.8 | 180 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 96.3 | UQ | 96.3 | 180 | ug/Kg |
| 83-32-9 | Acenaphthene | 87.6 | U | 87.6 | 180 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 260 | U | 260 | 360 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 130 | U | 130 | 360 | ug/Kg |
| 132-64-9 | Dibenzofuran | 91.1 | U | 91.1 | 180 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 93.1 | U | 93.1 | 180 | ug/Kg |
| 84-66-2 | Diethylphthalate | 86.5 | U | 86.5 | 180 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 92.4 | U | 92.4 | 180 | ug/Kg |
| 86-73-7 | Fluorene | 92.3 | U | 92.3 | 180 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 120 | U | 120 | 180 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 130 | U | 130 | 360 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 88.1 | U | 88.1 | 180 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 85.2 | U | 85.2 | 180 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 91.8 | U | 91.8 | 180 | ug/Kg |
| 1912-24-9 | Atrazine | 98.7 | U | 98.7 | 180 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 83.5 | U | 83.5 | 360 | ug/Kg |
| 85-01-8 | Phenanthrene | 90.7 | U | 90.7 | 180 | ug/Kg |
| 120-12-7 | Anthracene | 91.1 | U | 91.1 | 180 | ug/Kg |
| 86-74-8 | Carbazole | 86.7 | U | 86.7 | 180 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 91.0 | U | 91.0 | 180 | ug/Kg |
| 206-44-0 | Fluoranthene | 88.2 | U | 88.2 | 180 | ug/Kg |
| 129-00-0 | Pyrene | 89.6 | U | 89.6 | 180 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 100 | U | 100 | 180 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 110 | UQ | 110 | 360 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 87.1 | U | 87.1 | 180 | ug/Kg |
| 218-01-9 | Chrysene | 85.8 | U | 85.8 | 180 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 1400 | | 98.3 | 180 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 120 | U | 120 | 360 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 87.6 | U | 87.6 | 180 | ug/Kg |

Raw Data: **BF141821.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | 02/23/25 |
| Project: | Nelson | | | Date Received: | 02/26/25 |
| Client Sample ID: | WC1 | | | SDG No.: | Q1447 |
| Lab Sample ID: | Q1447-01 | | | Matrix: | SOIL |
| Analytical Method: | SW8270 | | | % Solid: | 92.4 |
| Sample Wt/Vol: | 30.07 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141821.D | 1 | 03/03/25 13:15 | 03/03/25 19:14 | PB166957 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 89.2 | U | 89.2 | 180 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 100 | U | 100 | 180 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 84.3 | U | 84.3 | 180 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 87.7 | U | 87.7 | 180 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 86.5 | U | 86.5 | 180 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 93.7 | U | 93.7 | 180 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 120 | U | 120 | 180 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 80.7 | U | 80.7 | 180 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 86.1 | | 30 (18) - 130 (112) | 57% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 84.6 | | 30 (15) - 130 (107) | 56% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 70.8 | | 30 (18) - 130 (107) | 71% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 61.8 | | 30 (20) - 130 (109) | 62% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 91.0 | | 30 (10) - 130 (116) | 61% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 49.8 | | 30 (10) - 130 (105) | 50% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 144000 | 6.892 | | | |
| 1146-65-2 | Naphthalene-d8 | 617000 | 8.169 | | | |
| 15067-26-2 | Acenaphthene-d10 | 349000 | 9.928 | | | |
| 1517-22-2 | Phenanthrene-d10 | 458000 | 11.433 | | | |
| 1719-03-5 | Chrysene-d12 | 417000 | 14.116 | | | |
| 1520-96-3 | Perylene-d12 | 464000 | 15.621 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |
| | unknown6.145 | 220 | J | | 6.14 | ug/Kg |
| 004291-79-6 | Cyclohexane, 1-methyl-2-propyl- | 210 | J | | 6.63 | ug/Kg |
| 000108-67-8 | Mesitylene | 430 | J | | 6.72 | ug/Kg |
| | unknown7.004 | 250 | J | | 7.00 | ug/Kg |
| 001678-98-4 | Cyclohexane, (2-methylpropyl)- | 320 | J | | 7.04 | ug/Kg |
| 000112-41-4 | 1-Dodecene | 260 | J | | 7.16 | ug/Kg |
| 000493-02-7 | Naphthalene, decahydro-, trans- | 320 | J | | 7.29 | ug/Kg |

Raw Data: **BF141821.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | 02/23/25 |
| Project: | Nelson | | | Date Received: | 02/26/25 |
| Client Sample ID: | WC1 | | | SDG No.: | Q1447 |
| Lab Sample ID: | Q1447-01 | | | Matrix: | SOIL |
| Analytical Method: | SW8270 | | | % Solid: | 92.4 |
| Sample Wt/Vol: | 30.07 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141821.D | 1 | 03/03/25 13:15 | 03/03/25 19:14 | PB166957 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 000527-84-4 | o-Cymene | 170 | J | | 7.38 | ug/Kg |
| | unknown7.534 | 650 | J | | 7.53 | ug/Kg |
| 013287-21-3 | Tridecane, 6-methyl- | 490 | J | | 7.59 | ug/Kg |
| 017312-54-8 | Decane, 3,7-dimethyl- | 1700 | J | | 7.67 | ug/Kg |
| 004292-92-6 | Cyclohexane, pentyl- | 570 | J | | 7.79 | ug/Kg |
| | unknown7.816 | 190 | J | | 7.82 | ug/Kg |
| 000095-93-2 | Benzene, 1,2,4,5-tetramethyl- | 380 | J | | 7.91 | ug/Kg |
| | unknown8.104 | 420 | J | | 8.10 | ug/Kg |
| | unknown8.410 | 180 | J | | 8.41 | ug/Kg |
| 004575-46-6 | Benzene, 1-cyclohexyl-3-methyl- | 680 | J | | 9.56 | ug/Kg |
| 007098-22-8 | Tetratetracontane | 820 | J | | 9.65 | ug/Kg |
| 000719-22-2 | 2,5-Cyclohexadiene-1,4-dione, 2,6- | 390 | J | | 9.74 | ug/Kg |
| 1000309-19-6 | Sulfurous acid, 2-ethylhexyl tride | 720 | J | | 10.9 | ug/Kg |

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

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

# QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# Surrogate Summary

**SW-846**

**SDG No.:** Q1447

**Client:** G Environmental

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| PB166957BL | PB166957BL | 2-Fluorophenol | 150 | 125 | 83 | | 30 (18) | 130 (112) |
| | | Phenol-d6 | 150 | 119 | 79 | | 30 (15) | 130 (107) |
| | | Nitrobenzene-d5 | 100 | 102 | 102 | | 30 (18) | 130 (107) |
| | | 2-Fluorobiphenyl | 100 | 87.8 | 88 | | 30 (20) | 130 (109) |
| | | 2,4,6-Tribromophenol | 150 | 143 | 95 | | 30 (10) | 130 (116) |
| | | Terphenyl-d14 | 100 | 74.8 | 75 | | 30 (10) | 130 (105) |
| PB166957BS | PB166957BS | 2-Fluorophenol | 150 | 125 | 84 | | 30 (18) | 130 (112) |
| | | Phenol-d6 | 150 | 123 | 82 | | 30 (15) | 130 (107) |
| | | Nitrobenzene-d5 | 100 | 104 | 104 | | 30 (18) | 130 (107) |
| | | 2-Fluorobiphenyl | 100 | 90.1 | 90 | | 30 (20) | 130 (109) |
| | | 2,4,6-Tribromophenol | 150 | 147 | 98 | | 30 (10) | 130 (116) |
| | | Terphenyl-d14 | 100 | 89.1 | 89 | | 30 (10) | 130 (105) |
| Q1447-01 | WC1 | 2-Fluorophenol | 150 | 86.1 | 57 | | 30 (18) | 130 (112) |
| | | Phenol-d6 | 150 | 84.6 | 56 | | 30 (15) | 130 (107) |
| | | Nitrobenzene-d5 | 100 | 70.8 | 71 | | 30 (18) | 130 (107) |
| | | 2-Fluorobiphenyl | 100 | 61.8 | 62 | | 30 (20) | 130 (109) |
| | | 2,4,6-Tribromophenol | 150 | 91.0 | 61 | | 30 (10) | 130 (116) |
| | | Terphenyl-d14 | 100 | 49.8 | 50 | | 30 (10) | 130 (105) |
| Q1475-01MS | TR-04-02282025MS | 2-Fluorophenol | 150 | 114 | 76 | | 30 (18) | 130 (112) |
| | | Phenol-d6 | 150 | 116 | 77 | | 30 (15) | 130 (107) |
| | | Nitrobenzene-d5 | 100 | 85.1 | 85 | | 30 (18) | 130 (107) |
| | | 2-Fluorobiphenyl | 100 | 74.1 | 74 | | 30 (20) | 130 (109) |
| | | 2,4,6-Tribromophenol | 150 | 134 | 89 | | 30 (10) | 130 (116) |
| | | Terphenyl-d14 | 100 | 77.6 | 78 | | 30 (10) | 130 (105) |
| Q1475-01MSD | TR-04-02282025MSD | 2-Fluorophenol | 150 | 118 | 79 | | 30 (18) | 130 (112) |
| | | Phenol-d6 | 150 | 120 | 80 | | 30 (15) | 130 (107) |
| | | Nitrobenzene-d5 | 100 | 90.0 | 90 | | 30 (18) | 130 (107) |
| | | 2-Fluorobiphenyl | 100 | 76.4 | 76 | | 30 (20) | 130 (109) |
| | | 2,4,6-Tribromophenol | 150 | 136 | 91 | | 30 (10) | 130 (116) |
| | | Terphenyl-d14 | 100 | 81.9 | 82 | | 30 (10) | 130 (105) |

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q1447

**Client:** G Environmental

**Analytical Method:** SW8270E

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: Q1475-01MS** | | **Client Sample ID: TR-04-02282025MS** | | | | | | **DataFile: BF141819.D** | | | |
| Benzaldehyde | 1100 | 0 | 510 | ug/Kg | 46 | | | | 20 (10) | 160 (86) | |
| Phenol | 1100 | 0 | 1000 | ug/Kg | 91 | | | | 20 (67) | 160 (126) | |
| bis(2-Chloroethyl)ether | 1100 | 0 | 930 | ug/Kg | 85 | | | | 70 (54) | 130 (125) | |
| 2-Chlorophenol | 1100 | 0 | 950 | ug/Kg | 86 | | | | 70 (79) | 130 (107) | |
| 2-Methylphenol | 1100 | 0 | 970 | ug/Kg | 88 | | | | 70 (66) | 130 (122) | |
| 2,2-oxybis(1-Chloropropane) | 1100 | 0 | 940 | ug/Kg | 85 | | | | 70 (65) | 130 (110) | |
| Acetophenone | 1100 | 0 | 1000 | ug/Kg | 91 | | | | 70 (75) | 130 (111) | |
| 3+4-Methylphenols | 1100 | 0 | 1000 | ug/Kg | 91 | | | | 20 (66) | 160 (104) | |
| N-Nitroso-di-n-propylamine | 1100 | 0 | 910 | ug/Kg | 83 | | | | 70 (59) | 130 (119) | |
| Hexachloroethane | 1100 | 0 | 930 | ug/Kg | 85 | | | | 20 (65) | 160 (117) | |
| Nitrobenzene | 1100 | 0 | 1000 | ug/Kg | 91 | | | | 70 (70) | 130 (119) | |
| Isophorone | 1100 | 0 | 940 | ug/Kg | 85 | | | | 70 (76) | 130 (122) | |
| 2-Nitrophenol | 1100 | 0 | 880 | ug/Kg | 80 | | | | 70 (54) | 130 (145) | |
| 2,4-Dimethylphenol | 1100 | 0 | 1100 | ug/Kg | 100 | | | | 70 (44) | 130 (135) | |
| bis(2-Chloroethoxy)methane | 1100 | 0 | 880 | ug/Kg | 80 | | | | 70 (68) | 130 (112) | |
| 2,4-Dichlorophenol | 1100 | 0 | 970 | ug/Kg | 88 | | | | 70 (72) | 130 (118) | |
| Naphthalene | 1100 | 0 | 970 | ug/Kg | 88 | | | | 70 (72) | 130 (110) | |
| 4-Chloroaniline | 1100 | 0 | 360 | ug/Kg | 33 | * | | | 70 (10) | 130 (91) | |
| Hexachlorobutadiene | 1100 | 0 | 870 | ug/Kg | 79 | | | | 70 (66) | 130 (114) | |
| Caprolactam | 1100 | 0 | 1400 | ug/Kg | 127 | | | | 20 (51) | 160 (134) | |
| 4-Chloro-3-methylphenol | 1100 | 0 | 1100 | ug/Kg | 100 | | | | 70 (57) | 130 (132) | |
| 2-Methylnaphthalene | 1100 | 57.2 | 1000 | ug/Kg | 86 | | | | 70 (59) | 130 (123) | |
| Hexachlorocyclopentadiene | 2200 | 0 | 1900 | ug/Kg | 86 | | | | 20 (10) | 160 (175) | |
| 2,4,6-Trichlorophenol | 1100 | 0 | 930 | ug/Kg | 85 | | | | 70 (72) | 130 (117) | |
| 2,4,5-Trichlorophenol | 1100 | 0 | 1100 | ug/Kg | 100 | | | | 70 (72) | 130 (117) | |
| 1,1-Biphenyl | 1100 | 0 | 1000 | ug/Kg | 91 | | | | 70 (75) | 130 (113) | |
| 2-Chloronaphthalene | 1100 | 0 | 930 | ug/Kg | 85 | | | | 70 (67) | 130 (118) | |
| 2-Nitroaniline | 1100 | 0 | 1100 | ug/Kg | 100 | | | | 70 (69) | 130 (127) | |
| Dimethylphthalate | 1100 | 0 | 930 | ug/Kg | 85 | | | | 70 (70) | 130 (113) | |
| Acenaphthylene | 1100 | 0 | 1100 | ug/Kg | 100 | | | | 70 (79) | 130 (118) | |
| 2,6-Dinitrotoluene | 1100 | 0 | 1000 | ug/Kg | 91 | | | | 70 (70) | 130 (125) | |
| 3-Nitroaniline | 1100 | 0 | 870 | ug/Kg | 79 | | | | 70 (30) | 130 (99) | |
| Acenaphthene | 1100 | 330 | 1400 | ug/Kg | 97 | | | | 70 (70) | 130 (121) | |
| 2,4-Dinitrophenol | 2200 | 0 | 1900 | ug/Kg | 86 | | | | 20 (10) | 160 (155) | |
| 4-Nitrophenol | 2200 | 0 | 3000 | ug/Kg | 136 | | | | 20 (45) | 160 (133) | |
| Dibenzofuran | 1100 | 150 | 1100 | ug/Kg | 86 | | | | 70 (72) | 130 (110) | |
| 2,4-Dinitrotoluene | 1100 | 0 | 1300 | ug/Kg | 118 | | | | 70 (55) | 130 (128) | |
| Diethylphthalate | 1100 | 0 | 980 | ug/Kg | 89 | | | | 70 (70) | 130 (112) | |
| 4-Chlorophenyl-phenylether | 1100 | 0 | 980 | ug/Kg | 89 | | | | 70 (71) | 130 (108) | |
| Fluorene | 1100 | 410 | 1400 | ug/Kg | 90 | | | | 70 (68) | 130 (116) | |
| 4-Nitroaniline | 1100 | 0 | 1400 | ug/Kg | 127 | | | | 70 (55) | 130 (120) | |
| 4,6-Dinitro-2-methylphenol | 1100 | 0 | 890 | ug/Kg | 81 | | | | 70 (10) | 130 (160) | |
| N-Nitrosodiphenylamine | 1100 | 0 | 920 | ug/Kg | 84 | | | | 70 (73) | 130 (118) | |
| 4-Bromophenyl-phenylether | 1100 | 0 | 890 | ug/Kg | 81 | | | | 70 (65) | 130 (121) | |
| Hexachlorobenzene | 1100 | 0 | 930 | ug/Kg | 85 | | | | 70 (67) | 130 (118) | |
| Atrazine | 1100 | 0 | 1300 | ug/Kg | 118 | | | | 70 (79) | 130 (127) | |

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q1447

**Client:** G Environmental

**Analytical Method:** SW8270E

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pentachlorophenol | 2200 | 0 | 1900 | ug/Kg | 86 | | | | 20 (47) | 160 (128) | |
| Phenanthrene | 1100 | 2000 | 2800 | ug/Kg | 73 | | | | 70 (52) | 130 (128) | |
| Anthracene | 1100 | 750 | 1700 | ug/Kg | 86 | | | | 70 (62) | 130 (124) | |
| Carbazole | 1100 | 410 | 1400 | ug/Kg | 90 | | | | 70 (59) | 130 (119) | |
| Di-n-butylphthalate | 1100 | 0 | 990 | ug/Kg | 90 | | | | 70 (69) | 130 (118) | |
| Fluoranthene | 1100 | 2500 | 3200 | ug/Kg | 64 | * | | | 70 (44) | 130 (125) | |
| Pyrene | 1100 | 1900 | 2600 | ug/Kg | 64 | * | | | 70 (26) | 130 (142) | |
| Butylbenzylphthalate | 1100 | 0 | 1100 | ug/Kg | 100 | | | | 70 (64) | 130 (126) | |
| 3,3-Dichlorobenzidine | 1100 | 0 | 570 | ug/Kg | 52 | * | | | 70 (33) | 130 (116) | |
| Benzo(a)anthracene | 1100 | 1400 | 2400 | ug/Kg | 91 | | | | 70 (71) | 130 (114) | |
| Chrysene | 1100 | 1100 | 2000 | ug/Kg | 82 | | | | 70 (57) | 130 (121) | |
| bis(2-Ethylhexyl)phthalate | 1100 | 0 | 1200 | ug/Kg | 109 | | | | 70 (42) | 130 (169) | |
| Di-n-octyl phthalate | 1100 | 0 | 1200 | ug/Kg | 109 | | | | 70 (23) | 130 (175) | |
| Benzo(b)fluoranthene | 1100 | 1300 | 2300 | ug/Kg | 91 | | | | 70 (67) | 130 (121) | |
| Benzo(k)fluoranthene | 1100 | 500 | 1300 | ug/Kg | 73 | | | | 70 (57) | 130 (134) | |
| Benzo(a)pyrene | 1100 | 1100 | 2100 | ug/Kg | 91 | | | | 70 (70) | 130 (142) | |
| Indeno(1,2,3-cd)pyrene | 1100 | 410 | 1300 | ug/Kg | 81 | | | | 70 (40) | 130 (129) | |
| Dibenz(a,h)anthracene | 1100 | 130 | 1000 | ug/Kg | 79 | | | | 70 (43) | 130 (123) | |
| Benzo(g,h,i)perylene | 1100 | 400 | 1200 | ug/Kg | 73 | | | | 70 (24) | 130 (125) | |
| 1,2,4,5-Tetrachlorobenzene | 1100 | 0 | 950 | ug/Kg | 86 | | | | 70 (69) | 130 (124) | |
| 1,4-Dioxane | 1100 | 0 | 910 | ug/Kg | 83 | | | | 20 (46) | 160 (112) | |
| 2,3,4,6-Tetrachlorophenol | 1100 | 0 | 1100 | ug/Kg | 100 | | | | 70 (69) | 130 (112) | |

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q1447

**Client:** G Environmental

**Analytical Method:** SW8270E

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: Q1475-01MSD** | | **Client Sample ID: TR-04-02282025MSD** | | | | | | **DataFile: BF141820.D** | | | |
| Benzaldehyde | 1100 | 0 | 530 | ug/Kg | 48 | | 4 | | 20 (10) | 160 (86) | 30 (20) |
| Phenol | 1100 | 0 | 1000 | ug/Kg | 91 | | 0 | | 20 (67) | 160 (126) | 30 (20) |
| bis(2-Chloroethyl)ether | 1100 | 0 | 960 | ug/Kg | 87 | | 2 | | 70 (54) | 130 (125) | 30 (20) |
| 2-Chlorophenol | 1100 | 0 | 1000 | ug/Kg | 91 | | 6 | | 70 (79) | 130 (107) | 30 (20) |
| 2-Methylphenol | 1100 | 0 | 1000 | ug/Kg | 91 | | 3 | | 70 (66) | 130 (122) | 30 (20) |
| 2,2-oxybis(1-Chloropropane) | 1100 | 0 | 980 | ug/Kg | 89 | | 5 | | 70 (65) | 130 (110) | 30 (20) |
| Acetophenone | 1100 | 0 | 1000 | ug/Kg | 91 | | 0 | | 70 (75) | 130 (111) | 30 (20) |
| 3+4-Methylphenols | 1100 | 0 | 1100 | ug/Kg | 100 | | 9 | | 20 (66) | 160 (104) | 30 (20) |
| N-Nitroso-di-n-propylamine | 1100 | 0 | 940 | ug/Kg | 85 | | 2 | | 70 (59) | 130 (119) | 30 (20) |
| Hexachloroethane | 1100 | 0 | 960 | ug/Kg | 87 | | 2 | | 20 (65) | 160 (117) | 30 (20) |
| Nitrobenzene | 1100 | 0 | 1000 | ug/Kg | 91 | | 0 | | 70 (70) | 130 (119) | 30 (20) |
| Isophorone | 1100 | 0 | 970 | ug/Kg | 88 | | 3 | | 70 (76) | 130 (122) | 30 (20) |
| 2-Nitrophenol | 1100 | 0 | 940 | ug/Kg | 85 | | 6 | | 70 (54) | 130 (145) | 30 (20) |
| 2,4-Dimethylphenol | 1100 | 0 | 1200 | ug/Kg | 109 | | 9 | | 70 (44) | 130 (135) | 30 (20) |
| bis(2-Chloroethoxy)methane | 1100 | 0 | 900 | ug/Kg | 82 | | 2 | | 70 (68) | 130 (112) | 30 (20) |
| 2,4-Dichlorophenol | 1100 | 0 | 1000 | ug/Kg | 91 | | 3 | | 70 (72) | 130 (118) | 30 (20) |
| Naphthalene | 1100 | 0 | 1000 | ug/Kg | 91 | | 3 | | 70 (72) | 130 (110) | 30 (20) |
| 4-Chloroaniline | 1100 | 0 | 380 | ug/Kg | 35 | * | 6 | | 70 (10) | 130 (91) | 30 (20) |
| Hexachlorobutadiene | 1100 | 0 | 910 | ug/Kg | 83 | | 5 | | 70 (66) | 130 (114) | 30 (20) |
| Caprolactam | 1100 | 0 | 1400 | ug/Kg | 127 | | 0 | | 20 (51) | 160 (134) | 30 (20) |
| 4-Chloro-3-methylphenol | 1100 | 0 | 1100 | ug/Kg | 100 | | 0 | | 70 (57) | 130 (132) | 30 (20) |
| 2-Methylnaphthalene | 1100 | 57.2 | 1000 | ug/Kg | 86 | | 0 | | 70 (59) | 130 (123) | 30 (20) |
| Hexachlorocyclopentadiene | 2200 | 0 | 1600 | ug/Kg | 73 | | 16 | | 20 (10) | 160 (175) | 30 (20) |
| 2,4,6-Trichlorophenol | 1100 | 0 | 1000 | ug/Kg | 91 | | 7 | | 70 (72) | 130 (117) | 30 (20) |
| 2,4,5-Trichlorophenol | 1100 | 0 | 1000 | ug/Kg | 91 | | 9 | | 70 (72) | 130 (117) | 30 (20) |
| 1,1-Biphenyl | 1100 | 0 | 1000 | ug/Kg | 91 | | 0 | | 70 (75) | 130 (113) | 30 (20) |
| 2-Chloronaphthalene | 1100 | 0 | 970 | ug/Kg | 88 | | 3 | | 70 (67) | 130 (118) | 30 (20) |
| 2-Nitroaniline | 1100 | 0 | 1100 | ug/Kg | 100 | | 0 | | 70 (69) | 130 (127) | 30 (20) |
| Dimethylphthalate | 1100 | 0 | 960 | ug/Kg | 87 | | 2 | | 70 (70) | 130 (113) | 30 (20) |
| Acenaphthylene | 1100 | 0 | 1100 | ug/Kg | 100 | | 0 | | 70 (79) | 130 (118) | 30 (20) |
| 2,6-Dinitrotoluene | 1100 | 0 | 1100 | ug/Kg | 100 | | 9 | | 70 (70) | 130 (125) | 30 (20) |
| 3-Nitroaniline | 1100 | 0 | 890 | ug/Kg | 81 | | 3 | | 70 (30) | 130 (99) | 30 (20) |
| Acenaphthene | 1100 | 330 | 1400 | ug/Kg | 97 | | 0 | | 70 (70) | 130 (121) | 30 (20) |
| 2,4-Dinitrophenol | 2200 | 0 | 1800 | ug/Kg | 82 | | 5 | | 20 (10) | 160 (155) | 30 (20) |
| 4-Nitrophenol | 2200 | 0 | 3100 | ug/Kg | 141 | | 4 | | 20 (45) | 160 (133) | 30 (20) |
| Dibenzofuran | 1100 | 150 | 1100 | ug/Kg | 86 | | 0 | | 70 (72) | 130 (110) | 30 (20) |
| 2,4-Dinitrotoluene | 1100 | 0 | 1300 | ug/Kg | 118 | | 0 | | 70 (55) | 130 (128) | 30 (20) |
| Diethylphthalate | 1100 | 0 | 990 | ug/Kg | 90 | | 1 | | 70 (70) | 130 (112) | 30 (20) |
| 4-Chlorophenyl-phenylether | 1100 | 0 | 1000 | ug/Kg | 91 | | 2 | | 70 (71) | 130 (108) | 30 (20) |
| Fluorene | 1100 | 410 | 1400 | ug/Kg | 90 | | 0 | | 70 (68) | 130 (116) | 30 (20) |
| 4-Nitroaniline | 1100 | 0 | 1400 | ug/Kg | 127 | | 0 | | 70 (55) | 130 (120) | 30 (20) |
| 4,6-Dinitro-2-methylphenol | 1100 | 0 | 900 | ug/Kg | 82 | | 1 | | 70 (10) | 130 (160) | 30 (20) |
| N-Nitrosodiphenylamine | 1100 | 0 | 980 | ug/Kg | 89 | | 6 | | 70 (73) | 130 (118) | 30 (20) |
| 4-Bromophenyl-phenylether | 1100 | 0 | 940 | ug/Kg | 85 | | 5 | | 70 (65) | 130 (121) | 30 (20) |
| Hexachlorobenzene | 1100 | 0 | 960 | ug/Kg | 87 | | 2 | | 70 (67) | 130 (118) | 30 (20) |
| Atrazine | 1100 | 0 | 1400 | ug/Kg | 127 | | 7 | | 70 (79) | 130 (127) | 30 (20) |

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q1447

**Client:** G Environmental

**Analytical Method:** SW8270E

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Pentachlorophenol | 2200 | 0 | 2000 | ug/Kg | 91 | | 6 | | 20 (47) | 160 (128) | 30 (20) |
| Phenanthrene | 1100 | 2000 | 2900 | ug/Kg | 82 | | 12 | | 70 (52) | 130 (128) | 30 (20) |
| Anthracene | 1100 | 750 | 1700 | ug/Kg | 86 | | 0 | | 70 (62) | 130 (124) | 30 (20) |
| Carbazole | 1100 | 410 | 1400 | ug/Kg | 90 | | 0 | | 70 (59) | 130 (119) | 30 (20) |
| Di-n-butylphthalate | 1100 | 0 | 1000 | ug/Kg | 91 | | 1 | | 70 (69) | 130 (118) | 30 (20) |
| Fluoranthene | 1100 | 2500 | 3300 | ug/Kg | 73 | | 13 | | 70 (44) | 130 (125) | 30 (20) |
| Pyrene | 1100 | 1900 | 2700 | ug/Kg | 73 | | 13 | | 70 (26) | 130 (142) | 30 (20) |
| Butylbenzylphthalate | 1100 | 0 | 1100 | ug/Kg | 100 | | 0 | | 70 (64) | 130 (126) | 30 (20) |
| 3,3-Dichlorobenzidine | 1100 | 0 | 630 | ug/Kg | 57 | * | 9 | | 70 (33) | 130 (116) | 30 (20) |
| Benzo(a)anthracene | 1100 | 1400 | 2400 | ug/Kg | 91 | | 0 | | 70 (71) | 130 (114) | 30 (20) |
| Chrysene | 1100 | 1100 | 2100 | ug/Kg | 91 | | 10 | | 70 (57) | 130 (121) | 30 (20) |
| bis(2-Ethylhexyl)phthalate | 1100 | 0 | 1200 | ug/Kg | 109 | | 0 | | 70 (42) | 130 (169) | 30 (20) |
| Di-n-octyl phthalate | 1100 | 0 | 1300 | ug/Kg | 118 | | 8 | | 70 (23) | 130 (175) | 30 (20) |
| Benzo(b)fluoranthene | 1100 | 1300 | 2300 | ug/Kg | 91 | | 0 | | 70 (67) | 130 (121) | 30 (20) |
| Benzo(k)fluoranthene | 1100 | 500 | 1400 | ug/Kg | 82 | | 12 | | 70 (57) | 130 (134) | 30 (20) |
| Benzo(a)pyrene | 1100 | 1100 | 2100 | ug/Kg | 91 | | 0 | | 70 (70) | 130 (142) | 30 (20) |
| Indeno(1,2,3-cd)pyrene | 1100 | 410 | 1300 | ug/Kg | 81 | | 0 | | 70 (40) | 130 (129) | 30 (20) |
| Dibenz(a,h)anthracene | 1100 | 130 | 1000 | ug/Kg | 79 | | 0 | | 70 (43) | 130 (123) | 30 (20) |
| Benzo(g,h,i)perylene | 1100 | 400 | 1300 | ug/Kg | 82 | | 12 | | 70 (24) | 130 (125) | 30 (20) |
| 1,2,4,5-Tetrachlorobenzene | 1100 | 0 | 980 | ug/Kg | 89 | | 3 | | 70 (69) | 130 (124) | 30 (20) |
| 1,4-Dioxane | 1100 | 0 | 920 | ug/Kg | 84 | | 1 | | 20 (46) | 160 (112) | 30 (20) |
| 2,3,4,6-Tetrachlorophenol | 1100 | 0 | 1100 | ug/Kg | 100 | | 0 | | 70 (69) | 130 (112) | 30 (20) |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1447

**Client:** G Environmental

**Analytical Method:** 8270E **DataFile:** BF141826.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB166957BS | Benzaldehyde | 1700 | 830 | ug/Kg | 49 | | | | 20 (10) | 160 (133) | |
| | Phenol | 1700 | 1400 | ug/Kg | 82 | | | | 20 (62) | 160 (112) | |
| | bis(2-Chloroethyl)ether | 1700 | 1400 | ug/Kg | 82 | | | | 70 (60) | 130 (101) | |
| | 2-Chlorophenol | 1700 | 1400 | ug/Kg | 82 | | | | 70 (65) | 130 (112) | |
| | 2-Methylphenol | 1700 | 1400 | ug/Kg | 82 | | | | 70 (61) | 130 (108) | |
| | 2,2-oxybis(1-Chloropropane) | 1700 | 1400 | ug/Kg | 82 | | | | 70 (51) | 130 (100) | |
| | Acetophenone | 1700 | 1500 | ug/Kg | 88 | | | | 70 (66) | 130 (98) | |
| | 3+4-Methylphenols | 1700 | 1400 | ug/Kg | 82 | | | | 20 (58) | 160 (111) | |
| | N-Nitroso-di-n-propylamine | 1700 | 1300 | ug/Kg | 76 | | | | 70 (63) | 130 (95) | |
| | Hexachloroethane | 1700 | 1400 | ug/Kg | 82 | | | | 20 (72) | 160 (108) | |
| | Nitrobenzene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (57) | 130 (101) | |
| | Isophorone | 1700 | 1400 | ug/Kg | 82 | | | | 70 (59) | 130 (99) | |
| | 2-Nitrophenol | 1700 | 1500 | ug/Kg | 88 | | | | 70 (61) | 130 (111) | |
| | 2,4-Dimethylphenol | 1700 | 1700 | ug/Kg | 100 | | | | 70 (46) | 130 (141) | |
| | bis(2-Chloroethoxy)methane | 1700 | 1300 | ug/Kg | 76 | | | | 70 (66) | 130 (97) | |
| | 2,4-Dichlorophenol | 1700 | 1400 | ug/Kg | 82 | | | | 70 (62) | 130 (107) | |
| | Naphthalene | 1700 | 1300 | ug/Kg | 76 | | | | 70 (62) | 130 (100) | |
| | 4-Chloroaniline | 1700 | 500 | ug/Kg | 29 | | * | | 70 (16) | 130 (100) | |
| | Hexachlorobutadiene | 1700 | 1400 | ug/Kg | 82 | | | | 70 (53) | 130 (98) | |
| | Caprolactam | 1700 | 1600 | ug/Kg | 94 | | | | 20 (67) | 160 (110) | |
| | 4-Chloro-3-methylphenol | 1700 | 1400 | ug/Kg | 82 | | | | 70 (58) | 130 (112) | |
| | 2-Methylnaphthalene | 1700 | 1300 | ug/Kg | 76 | | | | 70 (60) | 130 (104) | |
| | Hexachlorocyclopentadiene | 3300 | 4700 | ug/Kg | 142 | | | | 20 (45) | 160 (165) | |
| | 2,4,6-Trichlorophenol | 1700 | 1500 | ug/Kg | 88 | | | | 70 (59) | 130 (102) | |
| | 2,4,5-Trichlorophenol | 1700 | 1500 | ug/Kg | 88 | | | | 70 (61) | 130 (98) | |
| | 1,1-Biphenyl | 1700 | 1500 | ug/Kg | 88 | | | | 70 (57) | 130 (103) | |
| | 2-Chloronaphthalene | 1700 | 1400 | ug/Kg | 82 | | | | 70 (58) | 130 (99) | |
| | 2-Nitroaniline | 1700 | 1600 | ug/Kg | 94 | | | | 70 (66) | 130 (101) | |
| | Dimethylphthalate | 1700 | 1400 | ug/Kg | 82 | | | | 70 (61) | 130 (99) | |
| | Acenaphthylene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (63) | 130 (101) | |
| | 2,6-Dinitrotoluene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (61) | 130 (104) | |
| | 3-Nitroaniline | 1700 | 950 | ug/Kg | 56 | | * | | 70 (28) | 130 (100) | |
| | Acenaphthene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (57) | 130 (104) | |
| | 2,4-Dinitrophenol | 3300 | 3200 | ug/Kg | 97 | | | | 20 (37) | 160 (128) | |
| | 4-Nitrophenol | 3300 | 3800 | ug/Kg | 115 | | | | 20 (48) | 160 (119) | |
| | Dibenzofuran | 1700 | 1300 | ug/Kg | 76 | | | | 70 (63) | 130 (99) | |
| | 2,4-Dinitrotoluene | 1700 | 1700 | ug/Kg | 100 | | | | 70 (60) | 130 (106) | |
| | Diethylphthalate | 1700 | 1300 | ug/Kg | 76 | | | | 70 (60) | 130 (101) | |
| | 4-Chlorophenyl-phenylether | 1700 | 1400 | ug/Kg | 82 | | | | 70 (58) | 130 (98) | |
| | Fluorene | 1700 | 1400 | ug/Kg | 82 | | | | 70 (61) | 130 (101) | |
| | 4-Nitroaniline | 1700 | 1800 | ug/Kg | 106 | | | | 70 (64) | 130 (103) | |
| | 4,6-Dinitro-2-methylphenol | 1700 | 1600 | ug/Kg | 94 | | | | 70 (76) | 130 (113) | |
| | N-Nitrosodiphenylamine | 1700 | 1400 | ug/Kg | 82 | | | | 70 (71) | 130 (99) | |
| | 4-Bromophenyl-phenylether | 1700 | 1400 | ug/Kg | 82 | | | | 70 (66) | 130 (102) | |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1447

**Client:** G Environmental

**Analytical Method:** 8270E **DataFile:** BF141826.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB166957BS | Hexachlorobenzene | 1700 | 1400 | ug/Kg | 82 | | | | 70 (64) | 130 (98) | |
| | Atrazine | 1700 | 1900 | ug/Kg | 112 | | | | 70 (47) | 130 (152) | |
| | Pentachlorophenol | 3300 | 2900 | ug/Kg | 88 | | | | 20 (67) | 160 (105) | |
| | Phenanthrene | 1700 | 1400 | ug/Kg | 82 | | | | 70 (59) | 130 (103) | |
| | Anthracene | 1700 | 1400 | ug/Kg | 82 | | | | 70 (61) | 130 (105) | |
| | Carbazole | 1700 | 1500 | ug/Kg | 88 | | | | 70 (61) | 130 (99) | |
| | Di-n-butylphthalate | 1700 | 1300 | ug/Kg | 76 | | | | 70 (58) | 130 (104) | |
| | Fluoranthene | 1700 | 1400 | ug/Kg | 82 | | | | 70 (57) | 130 (107) | |
| | Pyrene | 1700 | 1400 | ug/Kg | 82 | | | | 70 (59) | 130 (103) | |
| | Butylbenzylphthalate | 1700 | 1500 | ug/Kg | 88 | | | | 70 (55) | 130 (103) | |
| | 3,3-Dichlorobenzidine | 1700 | 900 | ug/Kg | 53 | | * | | 70 (42) | 130 (91) | |
| | Benzo(a)anthracene | 1700 | 1400 | ug/Kg | 82 | | | | 70 (60) | 130 (102) | |
| | Chrysene | 1700 | 1400 | ug/Kg | 82 | | | | 70 (59) | 130 (101) | |
| | bis(2-Ethylhexyl)phthalate | 1700 | 1500 | ug/Kg | 88 | | | | 70 (54) | 130 (135) | |
| | Di-n-octyl phthalate | 1700 | 1400 | ug/Kg | 82 | | | | 70 (52) | 130 (137) | |
| | Benzo(b)fluoranthene | 1700 | 1400 | ug/Kg | 82 | | | | 70 (62) | 130 (109) | |
| | Benzo(k)fluoranthene | 1700 | 1400 | ug/Kg | 82 | | | | 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 | 1400 | ug/Kg | 82 | | | | 70 (61) | 130 (112) | |
| | Benzo(g,h,i)perylene | 1700 | 1400 | ug/Kg | 82 | | | | 70 (70) | 130 (108) | |
| | 1,2,4,5-Tetrachlorobenzene | 1700 | 1500 | ug/Kg | 88 | | | | 70 (53) | 130 (101) | |
| | 1,4-Dioxane | 1700 | 1300 | ug/Kg | 76 | | | | 20 (50) | 160 (96) | |
| | 2,3,4,6-Tetrachlorophenol | 1700 | 1500 | ug/Kg | 88 | | | | 70 (59) | 130 (108) | |

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166957BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: BF141825.D Lab Sample ID: PB166957BL

Instrument ID: BNA_F Date Extracted: 03/03/2025

Matrix: (soil/water) SOIL Date Analyzed: 03/04/2025

Level: (low/med) LOW Time Analyzed: 14:15

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| PB166957BS | PB166957BS | BF141826.D | 03/04/2025 |
| WC1 | Q1447-01 | BF141821.D | 03/03/2025 |
| TR-04-02282025MS | Q1475-01MS | BF141819.D | 03/03/2025 |
| TR-04-02282025MSD | Q1475-01MSD | BF141820.D | 03/03/2025 |

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1447 SDG NO.: Q1447

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 | 100 |
| 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 SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME 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 |

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5B

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

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: BF141810.D DFTPP Injection Date: 03/03/2025

Instrument ID: BNA_F DFTPP Injection Time: 13:47

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 36.9 |
| 68 | Less than 2.0% of mass 69 | 0.6 ( 1.7 ) 1 |
| 69 | Mass 69 relative abundance | 36.4 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.4 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 47.5 |
| 197 | Less than 2.0% of mass 198 | 0.6 |
| 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 | 27.1 |
| 365 | Greater than 1% of mass 198 | 3.6 |
| 441 | Present, but less than mass 443 | 13.3 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 16.6 (19.3) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BF141811.D | 03/03/2025 | 14:16 |
| TR-04-02282025MS | Q1475-01MS | BF141819.D | 03/03/2025 | 18:16 |
| TR-04-02282025MSD | Q1475-01MSD | BF141820.D | 03/03/2025 | 18:45 |
| WC1 | Q1447-01 | BF141821.D | 03/03/2025 | 19:14 |

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5B

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

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: BF141823.D DFTPP Injection Date: 03/04/2025

Instrument ID: BNA_F DFTPP Injection Time: 13:16

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 38.8 |
| 68 | Less than 2.0% of mass 69 | 0.6 ( 1.7 ) 1 |
| 69 | Mass 69 relative abundance | 37.7 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.4 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 49 |
| 197 | Less than 2.0% of mass 198 | 0.0 |
| 198 | Base Peak, 100% relative abundance | 100 |
| 199 | 5.0 to 9.0% of mass 198 | 7 |
| 275 | 10.0 - 60.0% of mass 198 | 26.7 |
| 365 | Greater than 1% of mass 198 | 3.5 |
| 441 | Present, but less than mass 443 | 12.5 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 15.6 (19.8) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BF141824.D | 03/04/2025 | 13:46 |
| PB166957BL | PB166957BL | BF141825.D | 03/04/2025 | 14:15 |
| PB166957BS | PB166957BS | BF141826.D | 03/04/2025 | 14:44 |

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

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

Lab File ID: BF141811.D Time Analyzed: 14:16

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

| | | IS1 (DCB) AREA # | RT # | IS2 (NPT) AREA # | RT # | IS3 (ANT) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 333117 | 6.887 | 1275840 | 8.17 | 681541 | 9.93 |
| | UPPER LIMIT | 666234 | 7.387 | 2551680 | 8.669 | 1363080 | 10.428 |
| | LOWER LIMIT | 166559 | 6.387 | 637920 | 7.669 | 340771 | 9.428 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | WC1 | 144444 * | 6.89 | 617193 * | 8.17 | 349015 | 9.93 |
| 02 | TR-04-02282025MS | 111069 * | 6.89 | 466588 * | 8.17 | 292659 * | 9.92 |
| 03 | TR-04-02282025MSD | 110601 * | 6.89 | 472405 * | 8.17 | 295427 * | 9.93 |

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

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

Lab File ID: BF141811.D Time Analyzed: 14:16

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

| | | IS4 (PHN) AREA # | RT # | IS5 (CRY) AREA # | RT # | IS6 (PRY) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 1118000 | 11.41 | 663447 | 14.045 | 550070 | 15.515 |
| | UPPER LIMIT | 2236000 | 11.91 | 1326890 | 14.545 | 1100140 | 16.015 |
| | LOWER LIMIT | 559000 | 10.91 | 331724 | 13.545 | 275035 | 15.015 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | WC1 | 458368 * | 11.43 | 417353 | 14.12 | 463776 | 15.62 |
| 02 | TR-04-02282025MS | 567711 | 11.41 | 381619 | 14.05 | 352598 | 15.53 |
| 03 | TR-04-02282025MSD | 545054 * | 11.41 | 364367 | 14.06 | 325863 | 15.53 |

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/04/2025

Lab File ID: BF141824.D Time Analyzed: 13:46

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

| | | IS1 (DCB) AREA # | RT # | IS2 (NPT) AREA # | RT # | IS3 (ANT) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 319426 | 6.887 | 1215090 | 8.17 | 645310 | 9.92 |
| | UPPER LIMIT | 638852 | 7.387 | 2430180 | 8.669 | 1290620 | 10.422 |
| | LOWER LIMIT | 159713 | 6.387 | 607545 | 7.669 | 322655 | 9.422 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB166957BL | 311350 | 6.89 | 1222400 | 8.16 | 667294 | 9.92 |
| 02 | PB166957BS | 309118 | 6.89 | 1216990 | 8.17 | 647778 | 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.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

EPA Sample No.: SSTDCCC040 Date Analyzed: 03/04/2025

Lab File ID: BF141824.D Time Analyzed: 13:46

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

| | | IS4 (PHN) AREA # | RT # | IS5 (CRY) AREA # | RT # | IS6 (PRY) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 1061920 | 11.41 | 709212 | 14.045 | 560512 | 15.509 |
| | UPPER LIMIT | 2123840 | 11.91 | 1418420 | 14.545 | 1121020 | 16.009 |
| | LOWER LIMIT | 530960 | 10.91 | 354606 | 13.545 | 280256 | 15.009 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB166957BL | 1172170 | 11.40 | 949625 | 14.04 | 798686 | 15.51 |
| 02 | PB166957BS | 1070680 | 11.40 | 723159 | 14.05 | 587091 | 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

Raw Data: **BF141825.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Nelson | | | Date Received: | |
| Client Sample ID: | PB166957BL | | | SDG No.: | Q1447 |
| Lab Sample ID: | PB166957BL | | | Matrix: | SOIL |
| Analytical Method: | SW8270 | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141825.D | 1 | 03/03/25 13:15 | 03/04/25 14:15 | PB166957 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 180 | U | 180 | 330 | ug/Kg |
| 108-95-2 | Phenol | 82.8 | U | 82.8 | 170 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 83.6 | U | 83.6 | 170 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 83.4 | U | 83.4 | 170 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 80.5 | U | 80.5 | 170 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 90.8 | U | 90.8 | 170 | ug/Kg |
| 98-86-2 | Acetophenone | 86.8 | U | 86.8 | 170 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 79.7 | U | 79.7 | 330 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 40.3 | U | 40.3 | 79.9 | ug/Kg |
| 67-72-1 | Hexachloroethane | 82.9 | U | 82.9 | 170 | ug/Kg |
| 98-95-3 | Nitrobenzene | 90.7 | U | 90.7 | 170 | ug/Kg |
| 78-59-1 | Isophorone | 84.5 | U | 84.5 | 170 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 94.4 | U | 94.4 | 170 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 93.1 | U | 93.1 | 170 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 85.7 | U | 85.7 | 170 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 75.4 | U | 75.4 | 170 | ug/Kg |
| 91-20-3 | Naphthalene | 82.5 | U | 82.5 | 170 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 82.5 | U | 82.5 | 170 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 83.2 | U | 83.2 | 170 | ug/Kg |
| 105-60-2 | Caprolactam | 86.7 | U | 86.7 | 330 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 77.4 | U | 77.4 | 170 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 82.4 | U | 82.4 | 170 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 160 | U | 160 | 330 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 71.4 | U | 71.4 | 170 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 74.0 | U | 74.0 | 170 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 87.3 | U | 87.3 | 170 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 83.2 | U | 83.2 | 170 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 94.9 | U | 94.9 | 170 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 81.6 | U | 81.6 | 170 | ug/Kg |

Raw Data: **BF141825.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Nelson | | | Date Received: | |
| Client Sample ID: | PB166957BL | | | SDG No.: | Q1447 |
| Lab Sample ID: | PB166957BL | | | Matrix: | SOIL |
| Analytical Method: | SW8270 | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141825.D | 1 | 03/03/25 13:15 | 03/04/25 14:15 | PB166957 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 86.4 | U | 86.4 | 170 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 83.1 | U | 83.1 | 170 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 89.1 | U | 89.1 | 170 | ug/Kg |
| 83-32-9 | Acenaphthene | 81.0 | U | 81.0 | 170 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 240 | U | 240 | 330 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 120 | U | 120 | 330 | ug/Kg |
| 132-64-9 | Dibenzofuran | 84.3 | U | 84.3 | 170 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 86.1 | U | 86.1 | 170 | ug/Kg |
| 84-66-2 | Diethylphthalate | 80.0 | U | 80.0 | 170 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 85.5 | U | 85.5 | 170 | ug/Kg |
| 86-73-7 | Fluorene | 85.4 | U | 85.4 | 170 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 110 | U | 110 | 170 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 120 | U | 120 | 330 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 81.5 | U | 81.5 | 170 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 78.8 | U | 78.8 | 170 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 84.9 | U | 84.9 | 170 | ug/Kg |
| 1912-24-9 | Atrazine | 91.3 | U | 91.3 | 170 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 77.2 | U | 77.2 | 330 | ug/Kg |
| 85-01-8 | Phenanthrene | 83.9 | U | 83.9 | 170 | ug/Kg |
| 120-12-7 | Anthracene | 84.3 | U | 84.3 | 170 | ug/Kg |
| 86-74-8 | Carbazole | 80.2 | U | 80.2 | 170 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 84.2 | U | 84.2 | 170 | ug/Kg |
| 206-44-0 | Fluoranthene | 81.6 | U | 81.6 | 170 | ug/Kg |
| 129-00-0 | Pyrene | 82.9 | U | 82.9 | 170 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 96.7 | U | 96.7 | 170 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 98.5 | U | 98.5 | 330 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 80.6 | U | 80.6 | 170 | ug/Kg |
| 218-01-9 | Chrysene | 79.4 | U | 79.4 | 170 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 90.9 | U | 90.9 | 170 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 110 | U | 110 | 330 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 81.0 | U | 81.0 | 170 | ug/Kg |

Raw Data: **BF141825.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Nelson | | | Date Received: | |
| Client Sample ID: | PB166957BL | | | SDG No.: | Q1447 |
| Lab Sample ID: | PB166957BL | | | Matrix: | SOIL |
| Analytical Method: | SW8270 | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141825.D | 1 | 03/03/25 13:15 | 03/04/25 14:15 | PB166957 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 82.5 | U | 82.5 | 170 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 92.9 | U | 92.9 | 170 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 78.0 | U | 78.0 | 170 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 81.1 | U | 81.1 | 170 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 80.0 | U | 80.0 | 170 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 86.7 | U | 86.7 | 170 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 110 | U | 110 | 170 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 74.7 | U | 74.7 | 170 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 125 | | 30 (18) - 130 (112) | 83% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 119 | | 30 (15) - 130 (107) | 79% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 102 | | 30 (18) - 130 (107) | 102% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 87.8 | | 30 (20) - 130 (109) | 88% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 143 | | 30 (10) - 130 (116) | 95% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 74.8 | | 30 (10) - 130 (105) | 75% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 311000 | 6.887 | | | |
| 1146-65-2 | Naphthalene-d8 | 1220000 | 8.163 | | | |
| 15067-26-2 | Acenaphthene-d10 | 667000 | 9.916 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1170000 | 11.404 | | | |
| 1719-03-5 | Chrysene-d12 | 950000 | 14.039 | | | |
| 1520-96-3 | Perylene-d12 | 799000 | 15.509 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |
| 006311-48-4 | (1,1-Biphenyl)-4,4-diamine, N,N | 130 | J | | 17.1 | ug/Kg |

Raw Data: **BF141825.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Nelson | | | Date Received: | |
| Client Sample ID: | PB166957BL | | | SDG No.: | Q1447 |
| Lab Sample ID: | PB166957BL | | | Matrix: | SOIL |
| Analytical Method: | SW8270 | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.02 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141825.D | 1 | 03/03/25 13:15 | 03/04/25 14:15 | PB166957 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|

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

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

Raw Data: **BF141826.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Nelson | | | Date Received: | |
| Client Sample ID: | PB166957BS | | | SDG No.: | Q1447 |
| Lab Sample ID: | PB166957BS | | | Matrix: | SOIL |
| Analytical Method: | SW8270 | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141826.D | 1 | 03/03/25 13:15 | 03/04/25 14:44 | PB166957 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 830 | | 180 | 330 | ug/Kg |
| 108-95-2 | Phenol | 1400 | | 82.8 | 170 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 1400 | | 83.6 | 170 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 1400 | | 83.4 | 170 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 1400 | | 80.5 | 170 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 1400 | | 90.8 | 170 | ug/Kg |
| 98-86-2 | Acetophenone | 1500 | | 86.8 | 170 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 1400 | | 79.7 | 330 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1300 | | 40.3 | 79.9 | ug/Kg |
| 67-72-1 | Hexachloroethane | 1400 | | 82.9 | 170 | ug/Kg |
| 98-95-3 | Nitrobenzene | 1500 | | 90.7 | 170 | ug/Kg |
| 78-59-1 | Isophorone | 1400 | | 84.5 | 170 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 1500 | | 94.4 | 170 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 1700 | | 93.1 | 170 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 1300 | | 85.7 | 170 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 1400 | | 75.4 | 170 | ug/Kg |
| 91-20-3 | Naphthalene | 1300 | | 82.5 | 170 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 500 | | 82.5 | 170 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 1400 | | 83.2 | 170 | ug/Kg |
| 105-60-2 | Caprolactam | 1600 | | 86.7 | 330 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 1400 | | 77.4 | 170 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 1300 | | 82.4 | 170 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 4700 | E | 160 | 330 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 1500 | | 71.3 | 170 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 1500 | | 73.9 | 170 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 1500 | | 87.3 | 170 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 1400 | | 83.2 | 170 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 1600 | | 94.9 | 170 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 1400 | | 81.6 | 170 | ug/Kg |

Raw Data: **BF141826.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Nelson | | | Date Received: | |
| Client Sample ID: | PB166957BS | | | SDG No.: | Q1447 |
| Lab Sample ID: | PB166957BS | | | Matrix: | SOIL |
| Analytical Method: | SW8270 | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141826.D | 1 | 03/03/25 13:15 | 03/04/25 14:44 | PB166957 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 1500 | | 86.4 | 170 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 1500 | | 83.1 | 170 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 950 | | 89.1 | 170 | ug/Kg |
| 83-32-9 | Acenaphthene | 1500 | | 81.0 | 170 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 3200 | E | 240 | 330 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 3800 | E | 120 | 330 | ug/Kg |
| 132-64-9 | Dibenzofuran | 1300 | | 84.3 | 170 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 1700 | | 86.1 | 170 | ug/Kg |
| 84-66-2 | Diethylphthalate | 1300 | | 80.0 | 170 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1400 | | 85.5 | 170 | ug/Kg |
| 86-73-7 | Fluorene | 1400 | | 85.4 | 170 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 1800 | | 110 | 170 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 1600 | | 120 | 330 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 1400 | | 81.5 | 170 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 1400 | | 78.8 | 170 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 1400 | | 84.9 | 170 | ug/Kg |
| 1912-24-9 | Atrazine | 1900 | | 91.3 | 170 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 2900 | E | 77.2 | 330 | ug/Kg |
| 85-01-8 | Phenanthrene | 1400 | | 83.9 | 170 | ug/Kg |
| 120-12-7 | Anthracene | 1400 | | 84.3 | 170 | ug/Kg |
| 86-74-8 | Carbazole | 1500 | | 80.2 | 170 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 1300 | | 84.2 | 170 | ug/Kg |
| 206-44-0 | Fluoranthene | 1400 | | 81.6 | 170 | ug/Kg |
| 129-00-0 | Pyrene | 1400 | | 82.9 | 170 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 1500 | | 96.7 | 170 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 900 | | 98.5 | 330 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 1400 | | 80.6 | 170 | ug/Kg |
| 218-01-9 | Chrysene | 1400 | | 79.4 | 170 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 1500 | | 90.9 | 170 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 1400 | | 110 | 330 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 1400 | | 81.0 | 170 | ug/Kg |

Raw Data: **BF141826.D**

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Nelson | | | Date Received: | |
| Client Sample ID: | PB166957BS | | | SDG No.: | Q1447 |
| Lab Sample ID: | PB166957BS | | | Matrix: | SOIL |
| Analytical Method: | SW8270 | | | % Solid: | 100 |
| Sample Wt/Vol: | 30.03 | Units: | g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141826.D | 1 | 03/03/25 13:15 | 03/04/25 14:44 | PB166957 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 1400 | | 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 | 1400 | | 81.1 | 170 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 1400 | | 80.0 | 170 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 1500 | | 86.7 | 170 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 1300 | | 110 | 170 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1500 | | 74.6 | 170 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 125 | | 30 (18) - 130 (112) | 84% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 123 | | 30 (15) - 130 (107) | 82% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 104 | | 30 (18) - 130 (107) | 104% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 90.1 | | 30 (20) - 130 (109) | 90% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 147 | | 30 (10) - 130 (116) | 98% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 89.1 | | 30 (10) - 130 (105) | 89% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 309000 | 6.887 | | | |
| 1146-65-2 | Naphthalene-d8 | 1220000 | 8.169 | | | |
| 15067-26-2 | Acenaphthene-d10 | 648000 | 9.922 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1070000 | 11.404 | | | |
| 1719-03-5 | Chrysene-d12 | 723000 | 14.045 | | | |
| 1520-96-3 | Perylene-d12 | 587000 | 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

Raw Data: **BF141819.D**

Alliance TECHNICAL GROUP
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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 02/28/25 |
| Project: | Nelson | Date Received: | 02/28/25 |
| Client Sample ID: | TR-04-02282025MS | SDG No.: | Q1447 |
| Lab Sample ID: | Q1475-01MS | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 91.6 |
| Sample Wt/Vol: | 50.04 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141819.D | 1 | 03/03/25 13:15 | 03/03/25 18:16 | PB166957 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 510 | | 120 | 220 | ug/Kg |
| 108-95-2 | Phenol | 1000 | | 54.3 | 110 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 930 | | 54.8 | 110 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 950 | | 54.7 | 110 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 970 | | 52.8 | 110 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 940 | | 59.5 | 110 | ug/Kg |
| 98-86-2 | Acetophenone | 1000 | | 56.9 | 110 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 1000 | | 52.2 | 220 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 910 | | 26.4 | 52.4 | ug/Kg |
| 67-72-1 | Hexachloroethane | 930 | | 54.3 | 110 | ug/Kg |
| 98-95-3 | Nitrobenzene | 1000 | | 59.4 | 110 | ug/Kg |
| 78-59-1 | Isophorone | 940 | | 55.4 | 110 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 880 | | 61.9 | 110 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 1100 | | 61.0 | 110 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 880 | | 56.2 | 110 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 970 | | 49.4 | 110 | ug/Kg |
| 91-20-3 | Naphthalene | 970 | | 54.1 | 110 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 360 | | 54.1 | 110 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 870 | | 54.5 | 110 | ug/Kg |
| 105-60-2 | Caprolactam | 1400 | | 56.8 | 220 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | | 50.7 | 110 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 1000 | | 54.0 | 110 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 1900 | E | 100 | 220 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 930 | | 46.7 | 110 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 1100 | | 48.4 | 110 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 1000 | | 57.2 | 110 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 930 | | 54.5 | 110 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 1100 | | 62.2 | 110 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 930 | | 53.5 | 110 | ug/Kg |

Raw Data: **BF141819.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 02/28/25 |
| Project: | Nelson | Date Received: | 02/28/25 |
| Client Sample ID: | TR-04-02282025MS | SDG No.: | Q1447 |
| Lab Sample ID: | Q1475-01MS | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 91.6 |
| Sample Wt/Vol: | 50.04 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141819.D | 1 | 03/03/25 13:15 | 03/03/25 18:16 | PB166957 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 1100 | | 56.6 | 110 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 1000 | | 54.5 | 110 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 870 | | 58.4 | 110 | ug/Kg |
| 83-32-9 | Acenaphthene | 1400 | | 53.1 | 110 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 1900 | E | 160 | 220 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 3000 | E | 75.9 | 220 | ug/Kg |
| 132-64-9 | Dibenzofuran | 1100 | | 55.2 | 110 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 1300 | | 56.4 | 110 | ug/Kg |
| 84-66-2 | Diethylphthalate | 980 | | 52.4 | 110 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 980 | | 56.0 | 110 | ug/Kg |
| 86-73-7 | Fluorene | 1400 | | 56.0 | 110 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 1400 | | 70.0 | 110 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 890 | | 76.6 | 220 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 920 | | 53.4 | 110 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 890 | | 51.6 | 110 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 930 | | 55.6 | 110 | ug/Kg |
| 1912-24-9 | Atrazine | 1300 | | 59.8 | 110 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 1900 | E | 50.6 | 220 | ug/Kg |
| 85-01-8 | Phenanthrene | 2800 | E | 55.0 | 110 | ug/Kg |
| 120-12-7 | Anthracene | 1700 | | 55.2 | 110 | ug/Kg |
| 86-74-8 | Carbazole | 1400 | | 52.6 | 110 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 990 | | 55.2 | 110 | ug/Kg |
| 206-44-0 | Fluoranthene | 3200 | E | 53.5 | 110 | ug/Kg |
| 129-00-0 | Pyrene | 2600 | E | 54.3 | 110 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 1100 | | 63.4 | 110 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 570 | | 64.5 | 220 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 2400 | E | 52.8 | 110 | ug/Kg |
| 218-01-9 | Chrysene | 2000 | E | 52.0 | 110 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 1200 | | 59.6 | 110 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 1200 | | 72.0 | 220 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 2300 | E | 53.1 | 110 | ug/Kg |

Raw Data: **BF141819.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 02/28/25 |
| Project: | Nelson | Date Received: | 02/28/25 |
| Client Sample ID: | TR-04-02282025MS | SDG No.: | Q1447 |
| Lab Sample ID: | Q1475-01MS | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 91.6 |
| Sample Wt/Vol: | 50.04 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141819.D | 1 | 03/03/25 13:15 | 03/03/25 18:16 | PB166957 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 1300 | | 54.1 | 110 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 2100 | E | 60.9 | 110 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1300 | | 51.1 | 110 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 1000 | | 53.1 | 110 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 1200 | | 52.4 | 110 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 950 | | 56.8 | 110 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 910 | | 72.0 | 110 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1100 | | 48.9 | 110 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 114 | | 30 (18) - 130 (112) | 76% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 116 | | 30 (15) - 130 (107) | 77% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 85.1 | | 30 (18) - 130 (107) | 85% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 74.1 | | 30 (20) - 130 (109) | 74% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 134 | | 30 (10) - 130 (116) | 89% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 77.6 | | 30 (10) - 130 (105) | 78% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 111000 | 6.887 | | | |
| 1146-65-2 | Naphthalene-d8 | 467000 | 8.169 | | | |
| 15067-26-2 | Acenaphthene-d10 | 293000 | 9.922 | | | |
| 1517-22-2 | Phenanthrene-d10 | 568000 | 11.41 | | | |
| 1719-03-5 | Chrysene-d12 | 382000 | 14.051 | | | |
| 1520-96-3 | Perylene-d12 | 353000 | 15.527 | | | |

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

Raw Data: **BF141820.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 02/28/25 |
| Project: | Nelson | Date Received: | 02/28/25 |
| Client Sample ID: | TR-04-02282025MSD | SDG No.: | Q1447 |
| Lab Sample ID: | Q1475-01MSD | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 91.6 |
| Sample Wt/Vol: | 50.07 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141820.D | 1 | 03/03/25 13:15 | 03/03/25 18:45 | PB166957 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 530 | | 120 | 220 | ug/Kg |
| 108-95-2 | Phenol | 1000 | | 54.2 | 110 | ug/Kg |
| 111-44-4 | bis(2-Chloroethyl)ether | 960 | | 54.7 | 110 | ug/Kg |
| 95-57-8 | 2-Chlorophenol | 1000 | | 54.6 | 110 | ug/Kg |
| 95-48-7 | 2-Methylphenol | 1000 | | 52.7 | 110 | ug/Kg |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 980 | | 59.5 | 110 | ug/Kg |
| 98-86-2 | Acetophenone | 1000 | | 56.8 | 110 | ug/Kg |
| 65794-96-9 | 3+4-Methylphenols | 1100 | | 52.2 | 220 | ug/Kg |
| 621-64-7 | n-Nitroso-di-n-propylamine | 940 | | 26.4 | 52.3 | ug/Kg |
| 67-72-1 | Hexachloroethane | 960 | | 54.3 | 110 | ug/Kg |
| 98-95-3 | Nitrobenzene | 1000 | | 59.4 | 110 | ug/Kg |
| 78-59-1 | Isophorone | 970 | | 55.3 | 110 | ug/Kg |
| 88-75-5 | 2-Nitrophenol | 940 | | 61.8 | 110 | ug/Kg |
| 105-67-9 | 2,4-Dimethylphenol | 1200 | | 61.0 | 110 | ug/Kg |
| 111-91-1 | bis(2-Chloroethoxy)methane | 900 | | 56.1 | 110 | ug/Kg |
| 120-83-2 | 2,4-Dichlorophenol | 1000 | | 49.4 | 110 | ug/Kg |
| 91-20-3 | Naphthalene | 1000 | | 54.0 | 110 | ug/Kg |
| 106-47-8 | 4-Chloroaniline | 380 | | 54.0 | 110 | ug/Kg |
| 87-68-3 | Hexachlorobutadiene | 910 | | 54.5 | 110 | ug/Kg |
| 105-60-2 | Caprolactam | 1400 | | 56.8 | 220 | ug/Kg |
| 59-50-7 | 4-Chloro-3-methylphenol | 1100 | | 50.7 | 110 | ug/Kg |
| 91-57-6 | 2-Methylnaphthalene | 1000 | | 54.0 | 110 | ug/Kg |
| 77-47-4 | Hexachlorocyclopentadiene | 1600 | | 100 | 220 | ug/Kg |
| 88-06-2 | 2,4,6-Trichlorophenol | 1000 | | 46.7 | 110 | ug/Kg |
| 95-95-4 | 2,4,5-Trichlorophenol | 1000 | | 48.4 | 110 | ug/Kg |
| 92-52-4 | 1,1-Biphenyl | 1000 | | 57.2 | 110 | ug/Kg |
| 91-58-7 | 2-Chloronaphthalene | 970 | | 54.5 | 110 | ug/Kg |
| 88-74-4 | 2-Nitroaniline | 1100 | | 62.1 | 110 | ug/Kg |
| 131-11-3 | Dimethylphthalate | 960 | | 53.4 | 110 | ug/Kg |

Raw Data: **BF141820.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 02/28/25 |
| Project: | Nelson | Date Received: | 02/28/25 |
| Client Sample ID: | TR-04-02282025MSD | SDG No.: | Q1447 |
| Lab Sample ID: | Q1475-01MSD | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 91.6 |
| Sample Wt/Vol: | 50.07 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141820.D | 1 | 03/03/25 13:15 | 03/03/25 18:45 | PB166957 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 208-96-8 | Acenaphthylene | 1100 | | 56.6 | 110 | ug/Kg |
| 606-20-2 | 2,6-Dinitrotoluene | 1100 | | 54.4 | 110 | ug/Kg |
| 99-09-2 | 3-Nitroaniline | 890 | | 58.3 | 110 | ug/Kg |
| 83-32-9 | Acenaphthene | 1400 | | 53.0 | 110 | ug/Kg |
| 51-28-5 | 2,4-Dinitrophenol | 1800 | E | 160 | 220 | ug/Kg |
| 100-02-7 | 4-Nitrophenol | 3100 | E | 75.9 | 220 | ug/Kg |
| 132-64-9 | Dibenzofuran | 1100 | | 55.2 | 110 | ug/Kg |
| 121-14-2 | 2,4-Dinitrotoluene | 1300 | | 56.4 | 110 | ug/Kg |
| 84-66-2 | Diethylphthalate | 990 | | 52.4 | 110 | ug/Kg |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 1000 | | 56.0 | 110 | ug/Kg |
| 86-73-7 | Fluorene | 1400 | | 55.9 | 110 | ug/Kg |
| 100-01-6 | 4-Nitroaniline | 1400 | | 70.0 | 110 | ug/Kg |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 900 | | 76.5 | 220 | ug/Kg |
| 86-30-6 | n-Nitrosodiphenylamine | 980 | | 53.4 | 110 | ug/Kg |
| 101-55-3 | 4-Bromophenyl-phenylether | 940 | | 51.6 | 110 | ug/Kg |
| 118-74-1 | Hexachlorobenzene | 960 | | 55.6 | 110 | ug/Kg |
| 1912-24-9 | Atrazine | 1400 | | 59.8 | 110 | ug/Kg |
| 87-86-5 | Pentachlorophenol | 2000 | E | 50.6 | 220 | ug/Kg |
| 85-01-8 | Phenanthrene | 2900 | E | 54.9 | 110 | ug/Kg |
| 120-12-7 | Anthracene | 1700 | | 55.2 | 110 | ug/Kg |
| 86-74-8 | Carbazole | 1400 | | 52.5 | 110 | ug/Kg |
| 84-74-2 | Di-n-butylphthalate | 1000 | | 55.1 | 110 | ug/Kg |
| 206-44-0 | Fluoranthene | 3300 | E | 53.4 | 110 | ug/Kg |
| 129-00-0 | Pyrene | 2700 | E | 54.3 | 110 | ug/Kg |
| 85-68-7 | Butylbenzylphthalate | 1100 | | 63.3 | 110 | ug/Kg |
| 91-94-1 | 3,3-Dichlorobenzidine | 630 | | 64.5 | 220 | ug/Kg |
| 56-55-3 | Benzo(a)anthracene | 2400 | E | 52.8 | 110 | ug/Kg |
| 218-01-9 | Chrysene | 2100 | E | 52.0 | 110 | ug/Kg |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 1200 | | 59.5 | 110 | ug/Kg |
| 117-84-0 | Di-n-octyl phthalate | 1300 | | 72.0 | 220 | ug/Kg |
| 205-99-2 | Benzo(b)fluoranthene | 2300 | E | 53.0 | 110 | ug/Kg |

Raw Data: **BF141820.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 02/28/25 |
| Project: | Nelson | Date Received: | 02/28/25 |
| Client Sample ID: | TR-04-02282025MSD | SDG No.: | Q1447 |
| Lab Sample ID: | Q1475-01MSD | Matrix: | SOIL |
| Analytical Method: | SW8270 | % Solid: | 91.6 |
| Sample Wt/Vol: | 50.07 Units: g | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOC-TCL BNA -20 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BF141820.D | 1 | 03/03/25 13:15 | 03/03/25 18:45 | PB166957 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units(Dry Weight) |
|---|---|---|---|---|---|---|
| 207-08-9 | Benzo(k)fluoranthene | 1400 | | 54.0 | 110 | ug/Kg |
| 50-32-8 | Benzo(a)pyrene | 2100 | E | 60.8 | 110 | ug/Kg |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 1300 | | 51.1 | 110 | ug/Kg |
| 53-70-3 | Dibenzo(a,h)anthracene | 1000 | | 53.1 | 110 | ug/Kg |
| 191-24-2 | Benzo(g,h,i)perylene | 1300 | | 52.4 | 110 | ug/Kg |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 980 | | 56.8 | 110 | ug/Kg |
| 123-91-1 | 1,4-Dioxane | 920 | | 72.0 | 110 | ug/Kg |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 1100 | | 48.9 | 110 | ug/Kg |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 118 | | 30 (18) - 130 (112) | 79% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 120 | | 30 (15) - 130 (107) | 80% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 90.0 | | 30 (18) - 130 (107) | 90% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 76.4 | | 30 (20) - 130 (109) | 76% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 136 | | 30 (10) - 130 (116) | 91% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 81.9 | | 30 (10) - 130 (105) | 82% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 111000 | 6.887 | | | |
| 1146-65-2 | Naphthalene-d8 | 472000 | 8.169 | | | |
| 15067-26-2 | Acenaphthene-d10 | 295000 | 9.928 | | | |
| 1517-22-2 | Phenanthrene-d10 | 545000 | 11.41 | | | |
| 1719-03-5 | Chrysene-d12 | 364000 | 14.057 | | | |
| 1520-96-3 | Perylene-d12 | 326000 | 15.527 | | | |

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

Response Factor Report BNA_F

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 |

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: BNA_F Calibration Date/Time: 03/03/2025 14:16

Lab File ID: BF141811.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 RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.252 | 1.206 | | -3.7 | |
| Benzaldehyde | 0.948 | 0.816 | | -13.9 | |
| Phenol-d6 | 1.630 | 1.561 | | -4.2 | |
| Phenol | 1.742 | 1.675 | | -3.8 | 20.0 |
| bis(2-Chloroethyl)ether | 1.328 | 1.295 | | -2.5 | |
| 2-Chlorophenol | 1.355 | 1.309 | | -3.4 | |
| 2-Methylphenol | 1.118 | 1.084 | | -3.0 | |
| 2,2-oxybis(1-Chloropropane) | 2.016 | 1.972 | | -2.2 | |
| Acetophenone | 0.487 | 0.481 | | -1.2 | |
| 3+4-Methylphenols | 1.392 | 1.327 | | -4.7 | |
| n-Nitroso-di-n-propylamine | 1.072 | 1.002 | 0.050 | -6.5 | |
| Nitrobenzene-d5 | 0.313 | 0.341 | | 8.9 | |
| Hexachloroethane | 0.547 | 0.527 | | -3.7 | |
| Nitrobenzene | 0.335 | 0.356 | | 6.3 | |
| Isophorone | 0.672 | 0.654 | | -2.7 | |
| 2-Nitrophenol | 0.127 | 0.137 | | 7.9 | 20.0 |
| 2,4-Dimethylphenol | 0.247 | 0.244 | | -1.2 | |
| bis(2-Chloroethoxy)methane | 0.429 | 0.420 | | -2.1 | |
| 2,4-Dichlorophenol | 0.285 | 0.286 | | 0.4 | 20.0 |
| Naphthalene | 1.028 | 1.010 | | -1.8 | |
| 4-Chloroaniline | 0.377 | 0.368 | | -2.4 | |
| Hexachlorobutadiene | 0.194 | 0.194 | | 0.0 | 20.0 |
| Caprolactam | 0.088 | 0.088 | | 0.0 | |
| 4-Chloro-3-methylphenol | 0.317 | 0.311 | | -1.9 | 20.0 |
| 2-Methylnaphthalene | 0.674 | 0.657 | | -2.5 | |
| Hexachlorocyclopentadiene | 0.241 | 0.235 | 0.050 | -2.5 | |
| 2,4,6-Trichlorophenol | 0.373 | 0.367 | | -1.6 | 20.0 |
| 2-Fluorobiphenyl | 1.247 | 1.214 | | -2.6 | |
| 2,4,5-Trichlorophenol | 0.369 | 0.391 | | 6.0 | |
| 1,1-Biphenyl | 1.522 | 1.522 | | 0.0 | |
| 2-Chloronaphthalene | 1.124 | 1.134 | | 0.9 | |
| 2-Nitroaniline | 0.260 | 0.310 | | 19.2 | |
| Dimethylphthalate | 1.339 | 1.335 | | -0.3 | |
| Acenaphthylene | 1.685 | 1.682 | | -0.2 | |
| 2,6-Dinitrotoluene | 0.226 | 0.259 | | 14.6 | |
| 3-Nitroaniline | 0.241 | 0.276 | | 14.5 | |
| Acenaphthene | 1.137 | 1.136 | | -0.1 | 20.0 |
| 2,4-Dinitrophenol | 0.089 | 0.096 | 0.050 | 7.9 | |
| 4-Nitrophenol | 0.198 | 0.219 | 0.050 | 10.6 | |

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: BNA_F Calibration Date/Time: 03/03/2025 14:16

Lab File ID: BF141811.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 RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dibenzofuran | 1.654 | 1.635 | | -1.1 | |
| 2,4-Dinitrotoluene | 0.269 | 0.324 | | 20.4 | |
| Diethylphthalate | 1.343 | 1.344 | | 0.1 | |
| 4-Chlorophenyl-phenylether | 0.621 | 0.606 | | -2.4 | |
| Fluorene | 1.239 | 1.208 | | -2.5 | |
| 4-Nitroaniline | 0.229 | 0.271 | | 18.3 | |
| 4,6-Dinitro-2-methylphenol | 0.081 | 0.087 | | 7.4 | |
| n-Nitrosodiphenylamine | 0.657 | 0.650 | | -1.1 | 20.0 |
| 2,4,6-Tribromophenol | 0.188 | 0.187 | | -0.5 | |
| 4-Bromophenyl-phenylether | 0.234 | 0.236 | | 0.9 | |
| Hexachlorobenzene | 0.247 | 0.249 | | 0.8 | |
| Atrazine | 0.181 | 0.169 | | -6.6 | |
| Pentachlorophenol | 0.156 | 0.160 | | 2.6 | 20.0 |
| Phenanthrene | 1.070 | 1.067 | | -0.3 | |
| Anthracene | 1.072 | 1.051 | | -2.0 | |
| Carbazole | 0.947 | 0.935 | | -1.3 | |
| Di-n-butylphthalate | 1.200 | 1.195 | | -0.4 | |
| Fluoranthene | 1.096 | 1.069 | | -2.5 | 20.0 |
| Pyrene | 1.732 | 1.812 | | 4.6 | |
| Terphenyl-d14 | 1.236 | 1.265 | | 2.3 | |
| Butylbenzylphthalate | 0.629 | 0.673 | | 7.0 | |
| 3,3-Dichlorobenzidine | 0.379 | 0.383 | | 1.1 | |
| Benzo(a)anthracene | 1.321 | 1.300 | | -1.6 | |
| Chrysene | 1.218 | 1.182 | | -3.0 | |
| Bis(2-ethylhexyl)phthalate | 0.783 | 0.875 | | 11.8 | |
| Di-n-octyl phthalate | 1.173 | 1.201 | | 2.4 | 20.0 |
| Benzo(b)fluoranthene | 1.362 | 1.429 | | 4.9 | |
| Benzo(k)fluoranthene | 1.158 | 1.071 | | -7.5 | |
| Benzo(a)pyrene | 1.093 | 1.088 | | -0.5 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.274 | 1.319 | | 3.5 | |
| Dibenzo(a,h)anthracene | 1.040 | 1.095 | | 5.3 | |
| Benzo(g,h,i)perylene | 1.065 | 1.113 | | 4.5 | |
| 1,2,4,5-Tetrachlorobenzene | 0.578 | 0.577 | | -0.2 | |
| 1,4-Dioxane | 0.568 | 0.571 | | 0.5 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | 0.321 | 0.333 | | 3.7 | |

All other compounds must meet a minimum RRF of 0.010.

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: BNA_F Calibration Date/Time: 03/04/2025 13:46

Lab File ID: BF141824.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 RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.252 | 1.221 | | -2.5 | |
| Benzaldehyde | 0.948 | 0.831 | | -12.3 | |
| Phenol-d6 | 1.630 | 1.591 | | -2.4 | |
| Phenol | 1.742 | 1.710 | | -1.8 | 20.0 |
| bis(2-Chloroethyl)ether | 1.328 | 1.285 | | -3.2 | |
| 2-Chlorophenol | 1.355 | 1.314 | | -3.0 | |
| 2-Methylphenol | 1.118 | 1.076 | | -3.8 | |
| 2,2-oxybis(1-Chloropropane) | 2.016 | 1.940 | | -3.8 | |
| Acetophenone | 0.487 | 0.474 | | -2.7 | |
| 3+4-Methylphenols | 1.392 | 1.342 | | -3.6 | |
| n-Nitroso-di-n-propylamine | 1.072 | 0.974 | 0.050 | -9.1 | |
| Nitrobenzene-d5 | 0.313 | 0.336 | | 7.3 | |
| Hexachloroethane | 0.547 | 0.520 | | -4.9 | |
| Nitrobenzene | 0.335 | 0.358 | | 6.9 | |
| Isophorone | 0.672 | 0.647 | | -3.7 | |
| 2-Nitrophenol | 0.127 | 0.146 | | 15.0 | 20.0 |
| 2,4-Dimethylphenol | 0.247 | 0.245 | | -0.8 | |
| bis(2-Chloroethoxy)methane | 0.429 | 0.409 | | -4.7 | |
| 2,4-Dichlorophenol | 0.285 | 0.290 | | 1.8 | 20.0 |
| Naphthalene | 1.028 | 1.011 | | -1.7 | |
| 4-Chloroaniline | 0.377 | 0.377 | | 0.0 | |
| Hexachlorobutadiene | 0.194 | 0.192 | | -1.0 | 20.0 |
| Caprolactam | 0.088 | 0.090 | | 2.3 | |
| 4-Chloro-3-methylphenol | 0.317 | 0.314 | | -0.9 | 20.0 |
| 2-Methylnaphthalene | 0.674 | 0.658 | | -2.4 | |
| Hexachlorocyclopentadiene | 0.241 | 0.239 | 0.050 | -0.8 | |
| 2,4,6-Trichlorophenol | 0.373 | 0.382 | | 2.4 | 20.0 |
| 2-Fluorobiphenyl | 1.247 | 1.217 | | -2.4 | |
| 2,4,5-Trichlorophenol | 0.369 | 0.396 | | 7.3 | |
| 1,1-Biphenyl | 1.522 | 1.521 | | -0.1 | |
| 2-Chloronaphthalene | 1.124 | 1.138 | | 1.2 | |
| 2-Nitroaniline | 0.260 | 0.319 | | 22.7 | |
| Dimethylphthalate | 1.339 | 1.303 | | -2.7 | |
| Acenaphthylene | 1.685 | 1.691 | | 0.4 | |
| 2,6-Dinitrotoluene | 0.226 | 0.260 | | 15.0 | |
| 3-Nitroaniline | 0.241 | 0.289 | | 19.9 | |
| Acenaphthene | 1.137 | 1.153 | | 1.4 | 20.0 |
| 2,4-Dinitrophenol | 0.089 | 0.111 | 0.050 | 24.7 | |
| 4-Nitrophenol | 0.198 | 0.240 | 0.050 | 21.2 | |

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: BNA_F Calibration Date/Time: 03/04/2025 13:46

Lab File ID: BF141824.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 RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dibenzofuran | 1.654 | 1.637 | | -1.0 | |
| 2,4-Dinitrotoluene | 0.269 | 0.334 | | 24.2 | |
| Diethylphthalate | 1.343 | 1.286 | | -4.2 | |
| 4-Chlorophenyl-phenylether | 0.621 | 0.601 | | -3.2 | |
| Fluorene | 1.239 | 1.211 | | -2.3 | |
| 4-Nitroaniline | 0.229 | 0.286 | | 24.9 | |
| 4,6-Dinitro-2-methylphenol | 0.081 | 0.100 | | 23.5 | |
| n-Nitrosodiphenylamine | 0.657 | 0.644 | | -2.0 | 20.0 |
| 2,4,6-Tribromophenol | 0.188 | 0.192 | | 2.1 | |
| 4-Bromophenyl-phenylether | 0.234 | 0.229 | | -2.1 | |
| Hexachlorobenzene | 0.247 | 0.245 | | -0.8 | |
| Atrazine | 0.181 | 0.161 | | -11.1 | |
| Pentachlorophenol | 0.156 | 0.169 | | 8.3 | 20.0 |
| Phenanthrene | 1.070 | 1.064 | | -0.6 | |
| Anthracene | 1.072 | 1.071 | | -0.1 | |
| Carbazole | 0.947 | 0.963 | | 1.7 | |
| Di-n-butylphthalate | 1.200 | 1.143 | | -4.8 | |
| Fluoranthene | 1.096 | 1.122 | | 2.4 | 20.0 |
| Pyrene | 1.732 | 1.684 | | -2.8 | |
| Terphenyl-d14 | 1.236 | 1.154 | | -6.6 | |
| Butylbenzylphthalate | 0.629 | 0.640 | | 1.7 | |
| 3,3-Dichlorobenzidine | 0.379 | 0.388 | | 2.4 | |
| Benzo(a)anthracene | 1.321 | 1.276 | | -3.4 | |
| Chrysene | 1.218 | 1.216 | | -0.2 | |
| Bis(2-ethylhexyl)phthalate | 0.783 | 0.827 | | 5.6 | |
| Di-n-octyl phthalate | 1.173 | 1.150 | | -2.0 | 20.0 |
| Benzo(b)fluoranthene | 1.362 | 1.370 | | 0.6 | |
| Benzo(k)fluoranthene | 1.158 | 1.129 | | -2.5 | |
| Benzo(a)pyrene | 1.093 | 1.085 | | -0.7 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.274 | 1.274 | | 0.0 | |
| Dibenzo(a,h)anthracene | 1.040 | 1.034 | | -0.6 | |
| Benzo(g,h,i)perylene | 1.065 | 1.077 | | 1.1 | |
| 1,2,4,5-Tetrachlorobenzene | 0.578 | 0.579 | | 0.2 | |
| 1,4-Dioxane | 0.568 | 0.566 | | -0.4 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | 0.321 | 0.334 | | 4.1 | |

All other compounds must meet a minimum RRF of 0.010.

# SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Quant Time: Mar 04 00:14:39 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

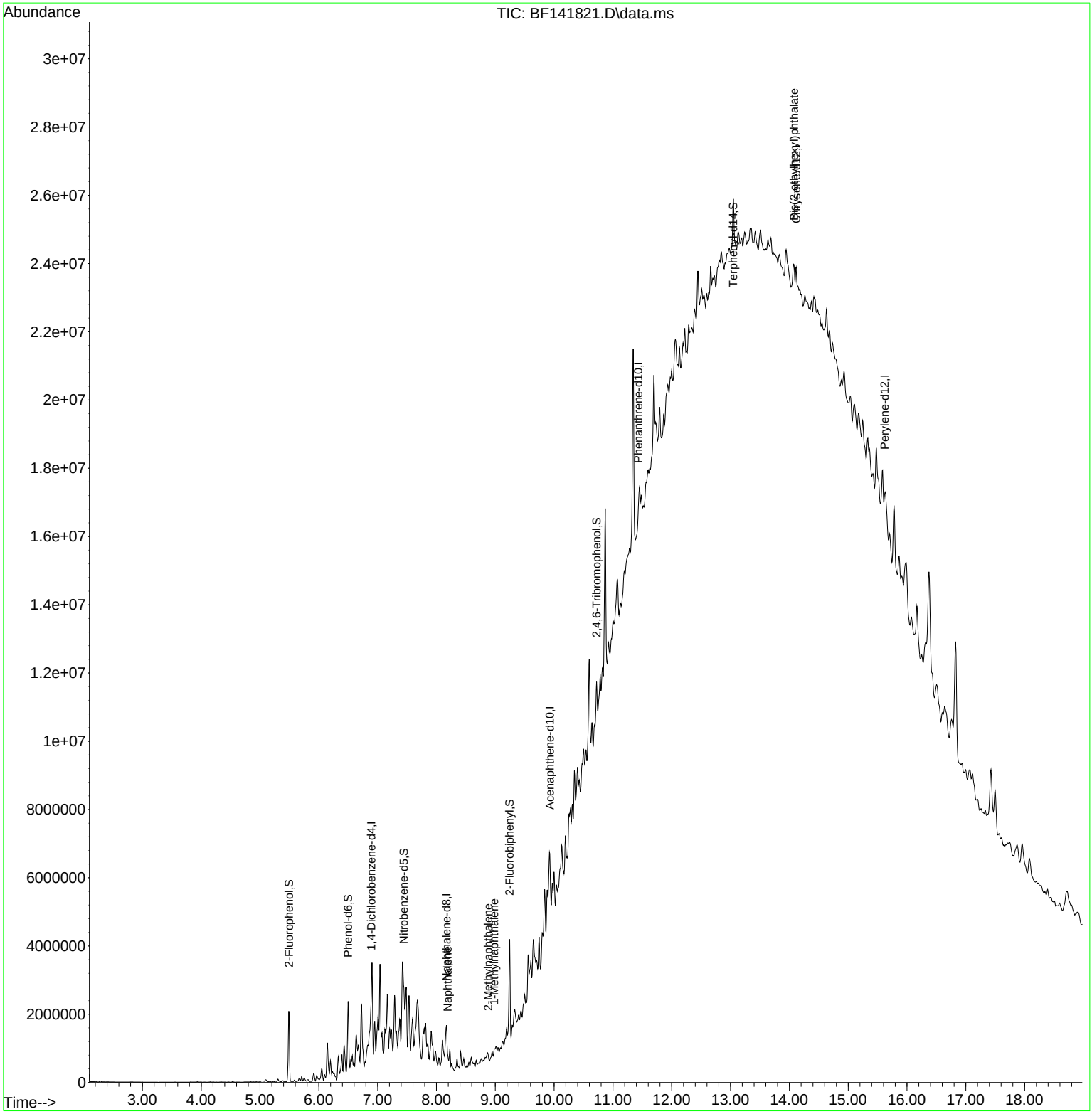
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.892 | 152 | 144444 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.169 | 136 | 617193 | 20.000 | ng | # 0.00 |
| 39) Acenaphthene-d10 | 9.928 | 164 | 349015 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.433 | 188 | 458368 | 20.000 | ng | # 0.02 |
| 76) Chrysene-d12 | 14.116 | 240 | 417353 | 20.000 | ng | # 0.06 |
| 86) Perylene-d12 | 15.621 | 264 | 463776 | 20.000 | ng | # 0.10 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 778990 | 86.126 | ng | 0.00 |
| 7) Phenol-d6 | 6.498 | 99 | 996271 | 84.626 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.445 | 82 | 683578 | 70.795 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.722 | 330 | 298206 | 91.010 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.245 | 172 | 1344216 | 61.756 | ng | 0.00 |
| 79) Terphenyl-d14 | 13.045 | 244 | 1283933 | 49.773 | ng | 0.05 |
| Target Compounds | | | | | | Qvalue |
| 31) Naphthalene | 8.192 | 128 | 83504 | 2.632 | ng | # 85 |
| 37) 2-Methylnaphthalene | 8.881 | 142 | 48766 | 2.344 | ng | 100 |
| 38) 1-Methylnaphthalene | 8.981 | 142 | 41921 | 2.100 | ng | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 14.080 | 149 | 652409 | 39.904 | ng | # 82 |

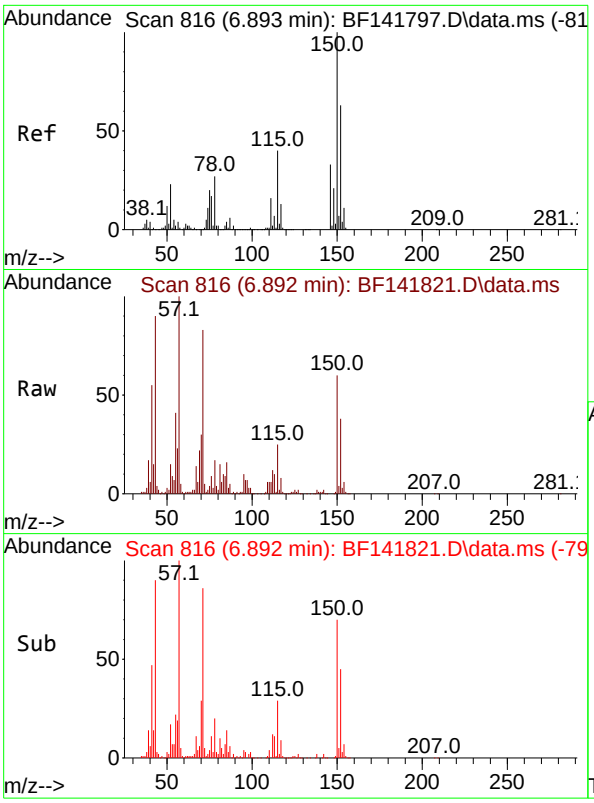
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Quant Time: Mar 04 00:14:39 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



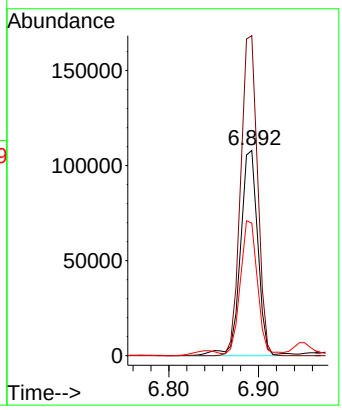


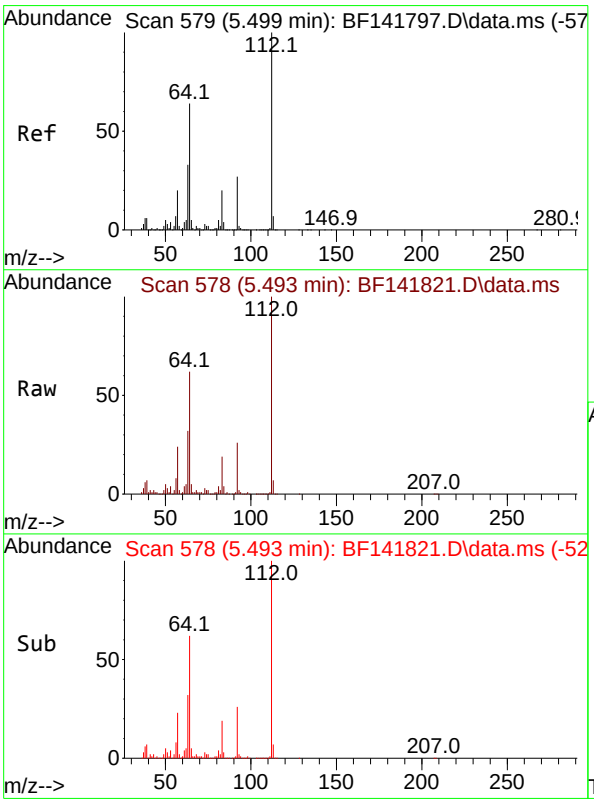

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Tgt Ion:152 Resp: 144444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.9 | 127.5 | 191.3 |
| 115 | 64.6 | 51.4 | 77.2 |

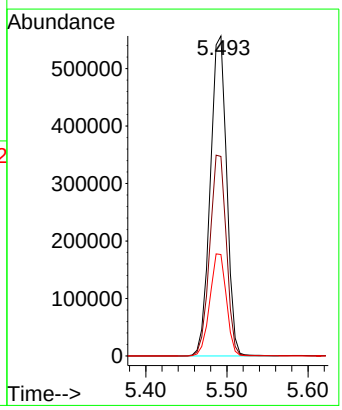


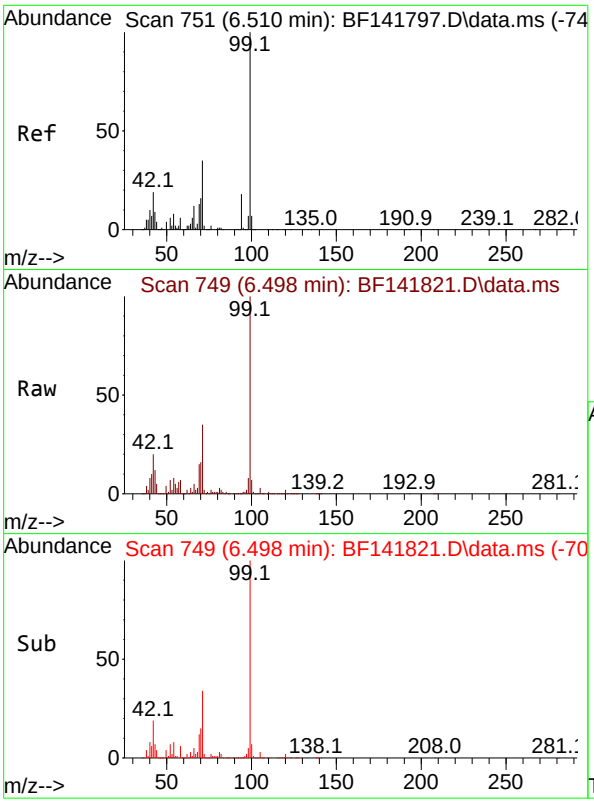




#5
2-Fluorophenol
Concen: 86.126 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Tgt Ion:112 Resp: 778990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.3 | 51.3 | 76.9 |
| 63 | 31.7 | 26.2 | 39.4 |



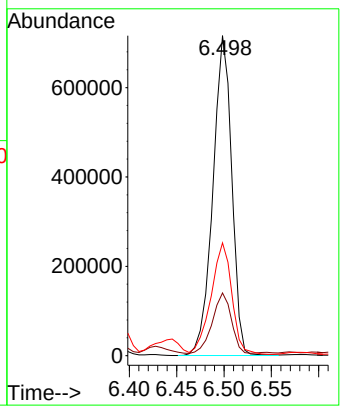


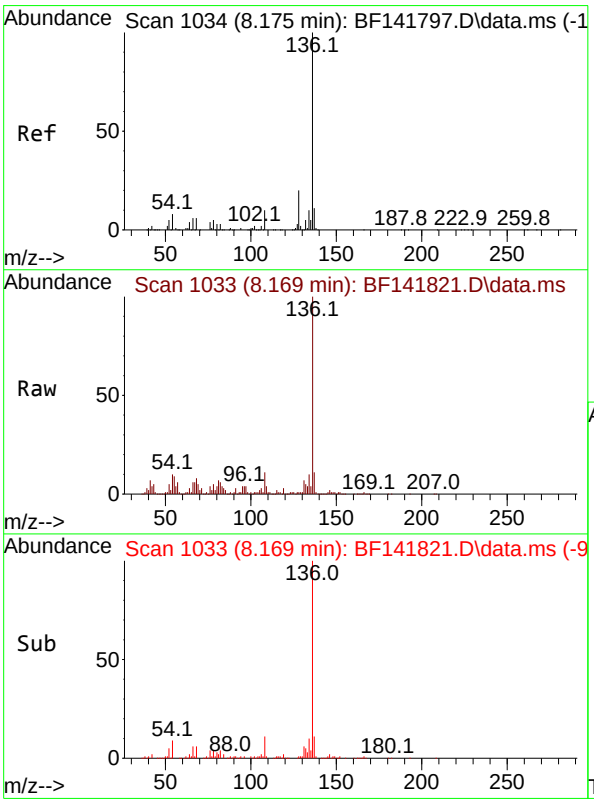

#7
Phenol-d6
Concen: 84.626 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Tgt Ion: 99 Resp: 996271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.6 | 15.2 | 22.8 |
| 71 | 35.2 | 28.2 | 42.2 |

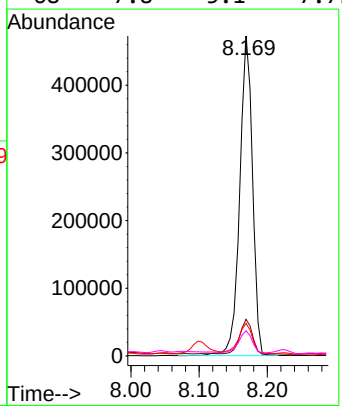


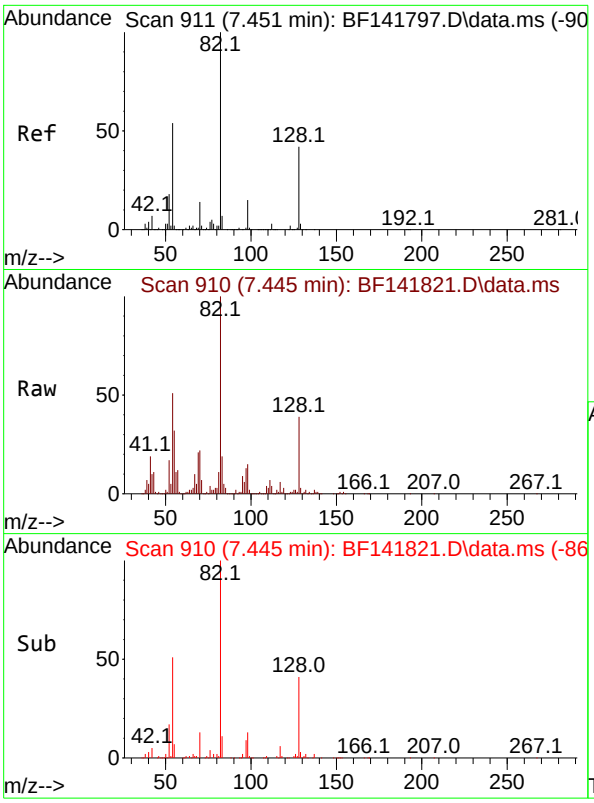




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Tgt Ion:136 Resp: 617193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 8.9 | 13.3 |
| 54 | 10.2 | 6.9 | 10.3 |
| 68 | 7.8 | 5.1 | 7.7# |



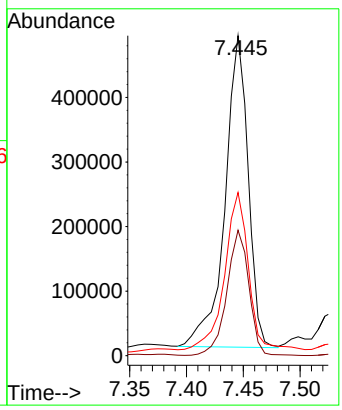


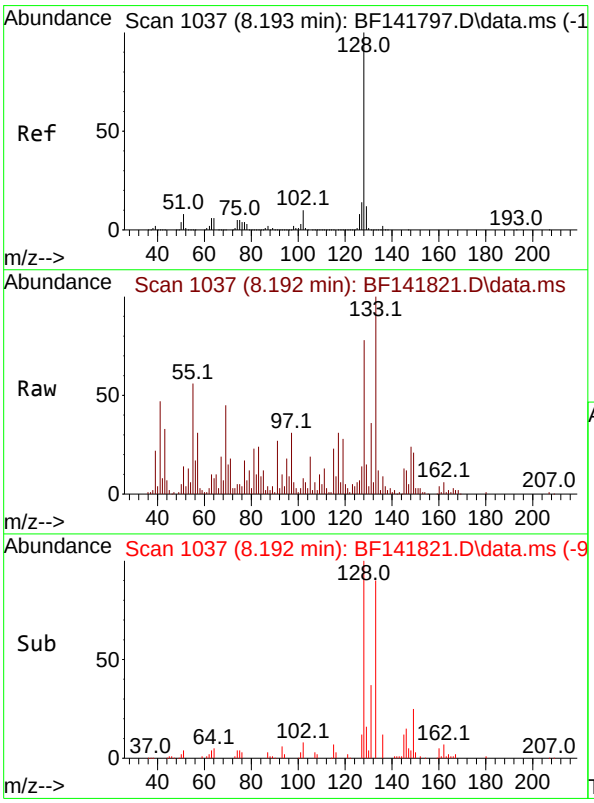

#23
Nitrobenzene-d5
Concen: 70.795 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Tgt Ion: 82 Resp: 683578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.2 | 33.5 | 50.3 |
| 54 | 51.0 | 42.7 | 64.1 |

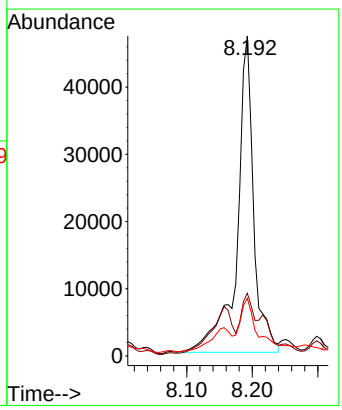


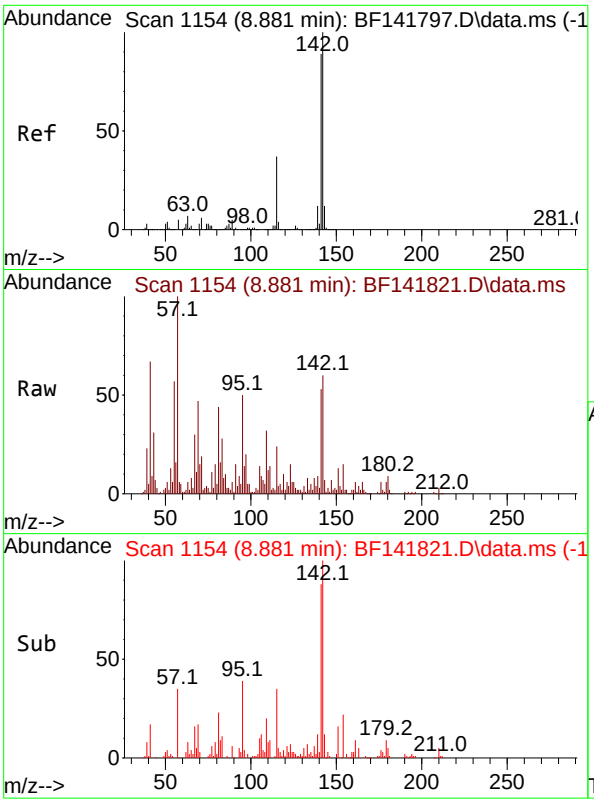




#31
Naphthalene
Concen: 2.632 ng
RT: 8.192 min Scan# 1037
Delta R.T. -0.000 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Tgt Ion:128 Resp: 83504

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 19.6 | 9.2 | 13.8# |
| 127 | 18.0 | 11.0 | 16.4# |



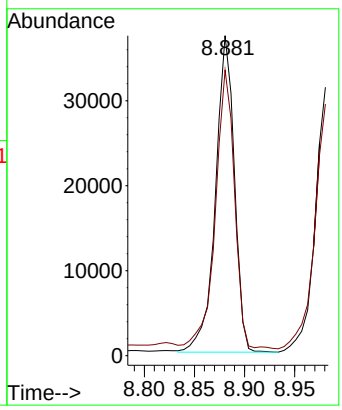


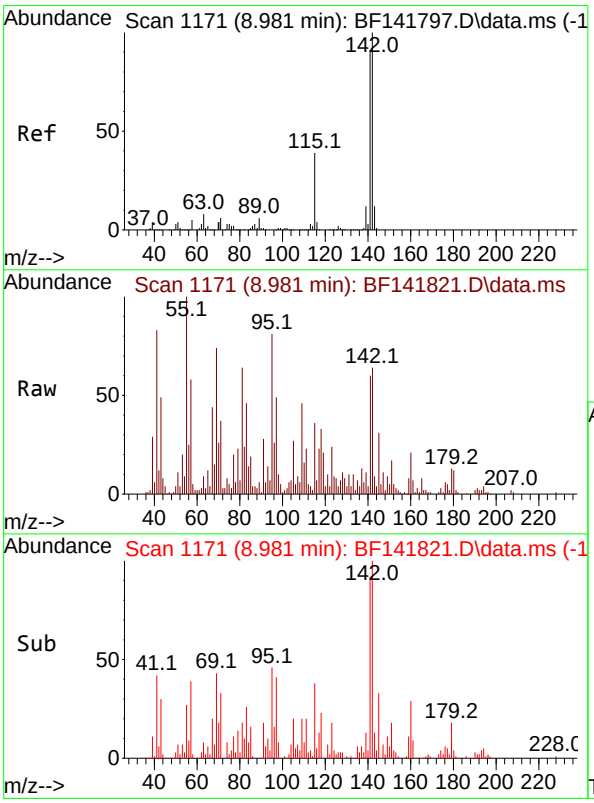

#37
2-Methylnaphthalene
Concen: 2.344 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Tgt Ion:142 Resp: 48766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.3 | 71.1 | 106.7 |

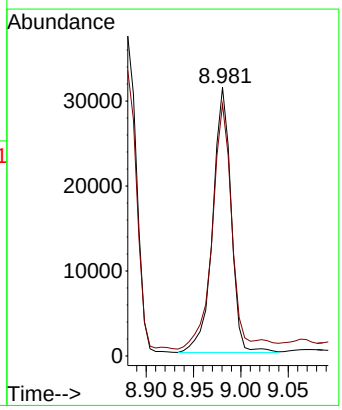


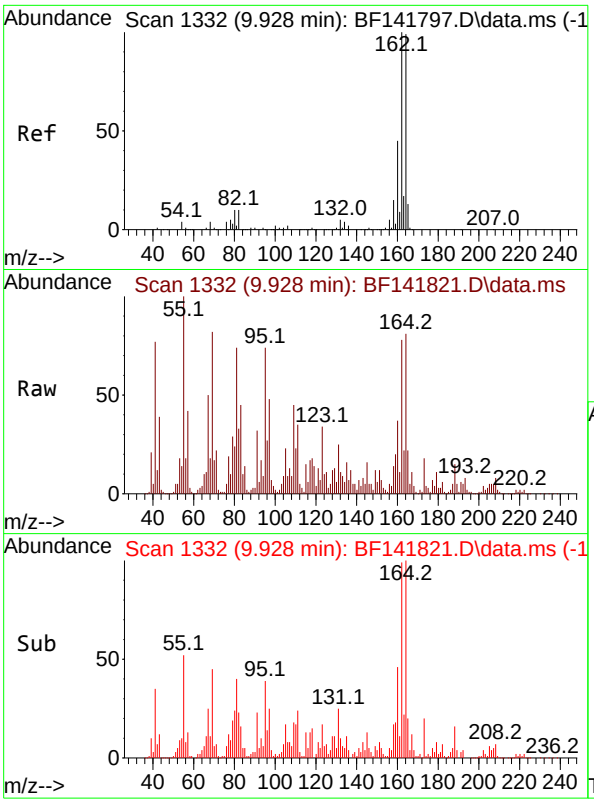




#38
1-Methylnaphthalene
Concen: 2.100 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Tgt Ion:142 Resp: 41921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.7 | 73.1 | 109.7 |



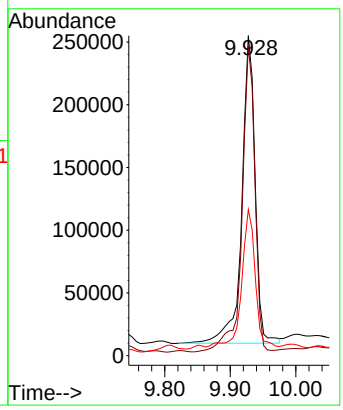


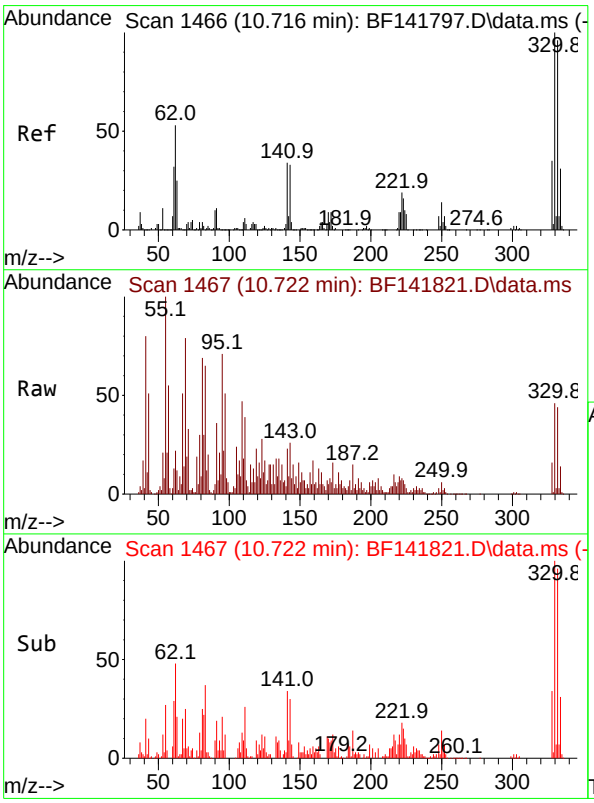

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Tgt Ion:164 Resp: 349015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 96.8 | 80.6 | 120.8 |
| 160 | 45.6 | 36.3 | 54.5 |

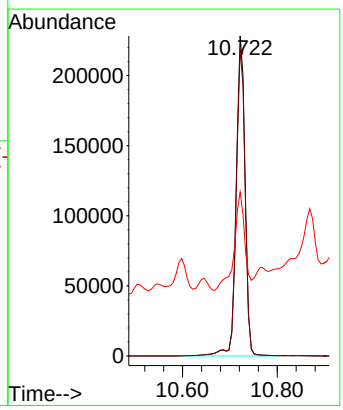


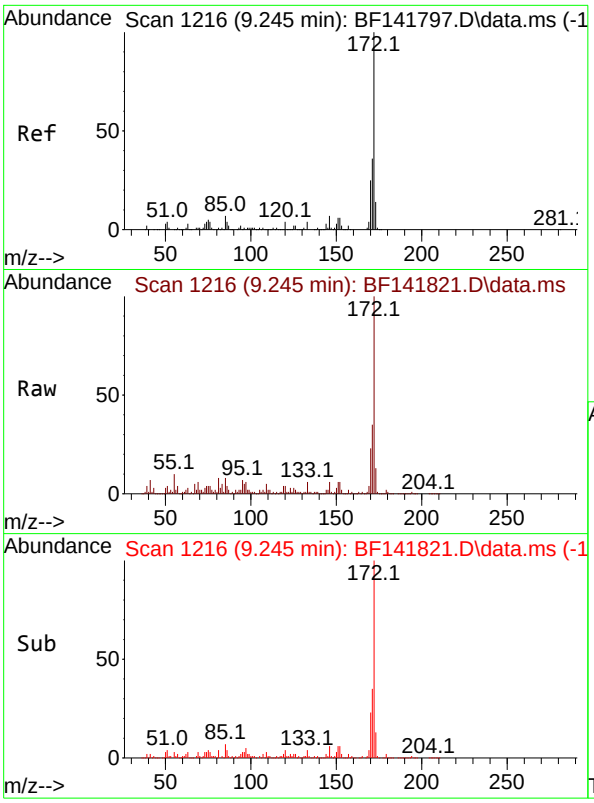




#42
2,4,6-Tribromophenol
Concen: 91.010 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.006 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Tgt Ion:330 Resp: 298206

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 76.6 | 115.0 |
| 141 | 36.1 | 29.0 | 43.4 |



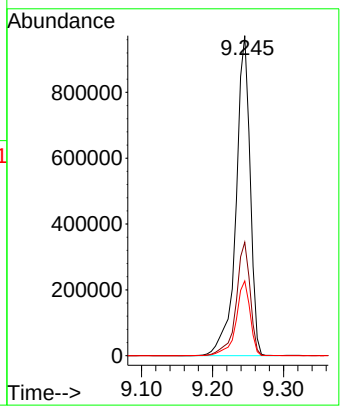


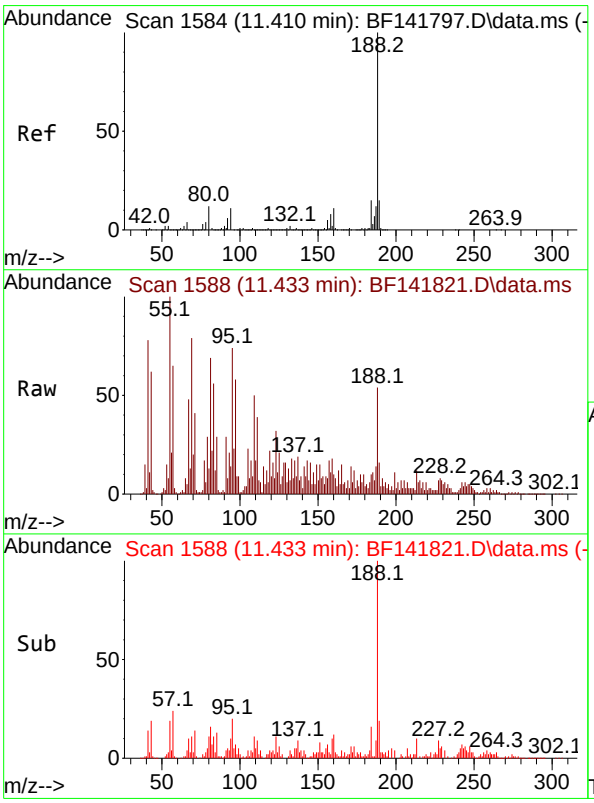

#45
2-Fluorobiphenyl
Concen: 61.756 ng
RT: 9.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Tgt Ion:172 Resp: 1344216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 29.2 | 43.8 |
| 170 | 23.4 | 19.7 | 29.5 |

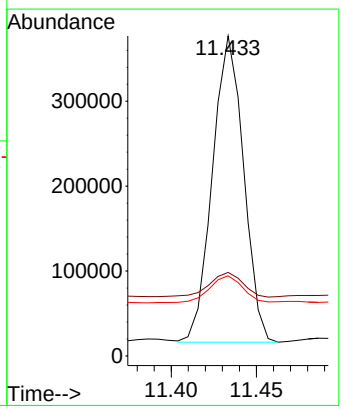


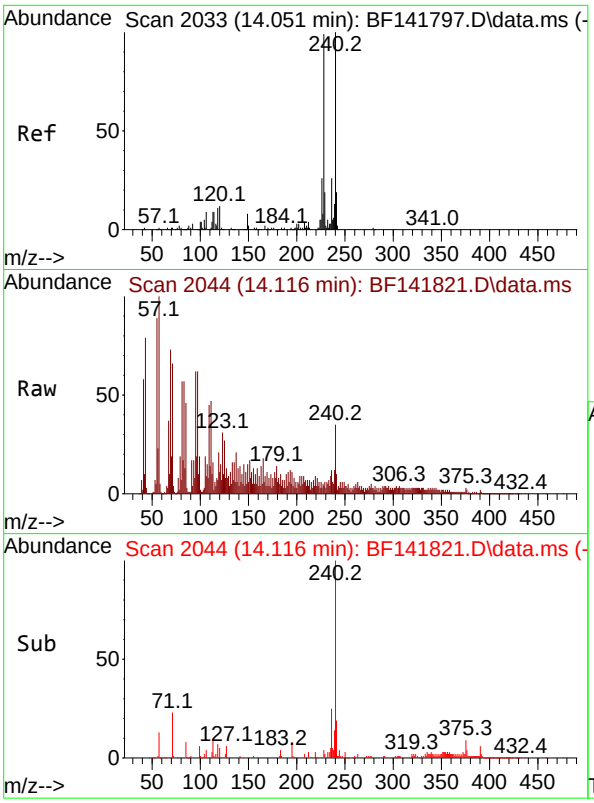




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1588
Delta R.T. 0.023 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Tgt Ion:188 Resp: 458368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 26.1 | 8.9 | 13.3# |
| 80 | 25.0 | 9.7 | 14.5# |



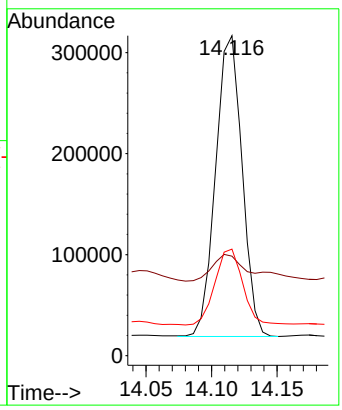


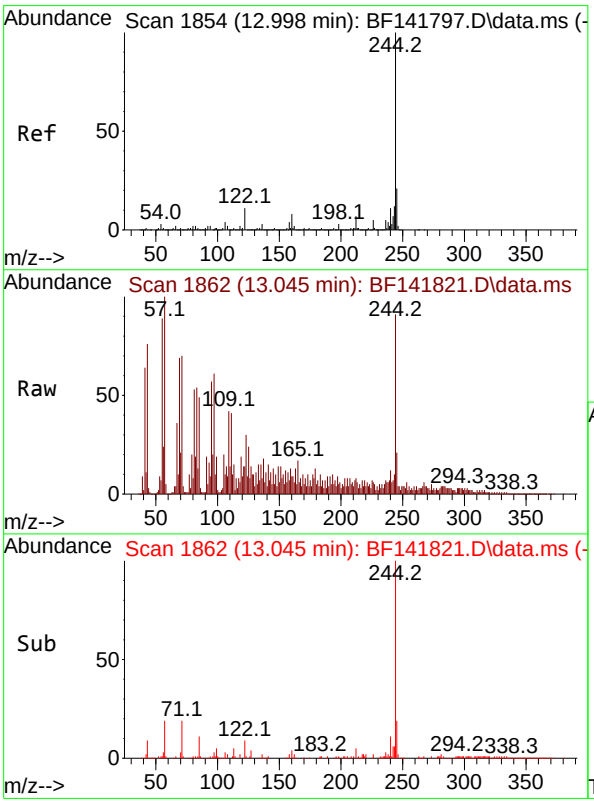

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2
Delta R.T. 0.065 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Tgt Ion:240 Resp: 417353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 31.1 | 9.7 | 14.5# |
| 236 | 33.3 | 21.0 | 31.4# |

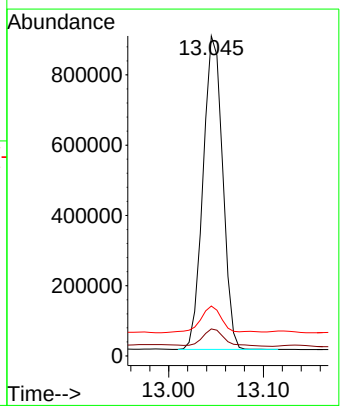


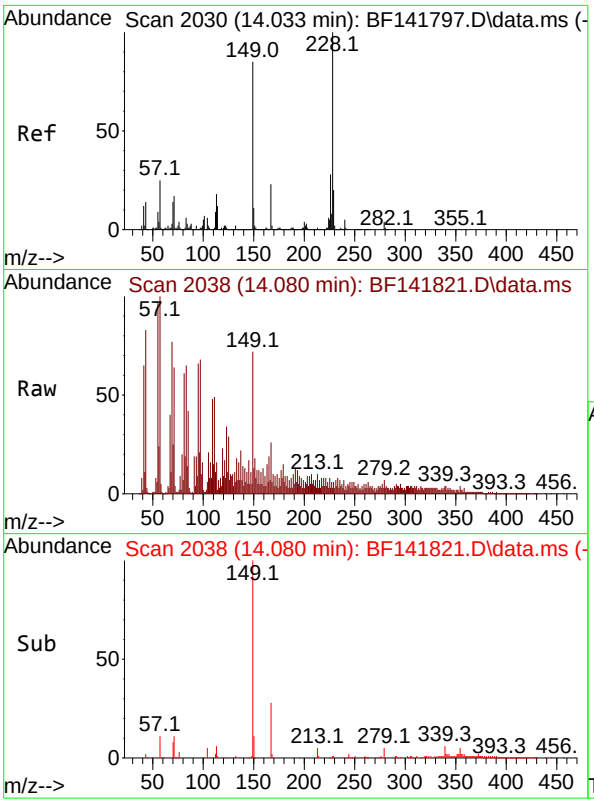




#79
Terphenyl-d14
Concen: 49.773 ng
RT: 13.045 min Scan# 1862
Delta R.T. 0.047 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Tgt Ion:244 Resp: 1283933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.4 | 6.0 | 9.0 |
| 122 | 15.6 | 9.0 | 13.6# |



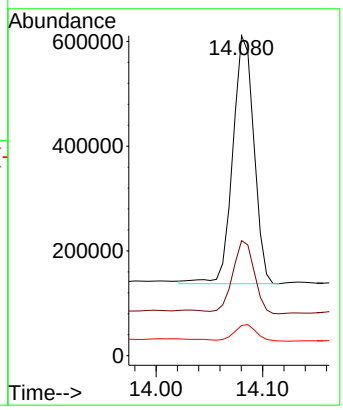


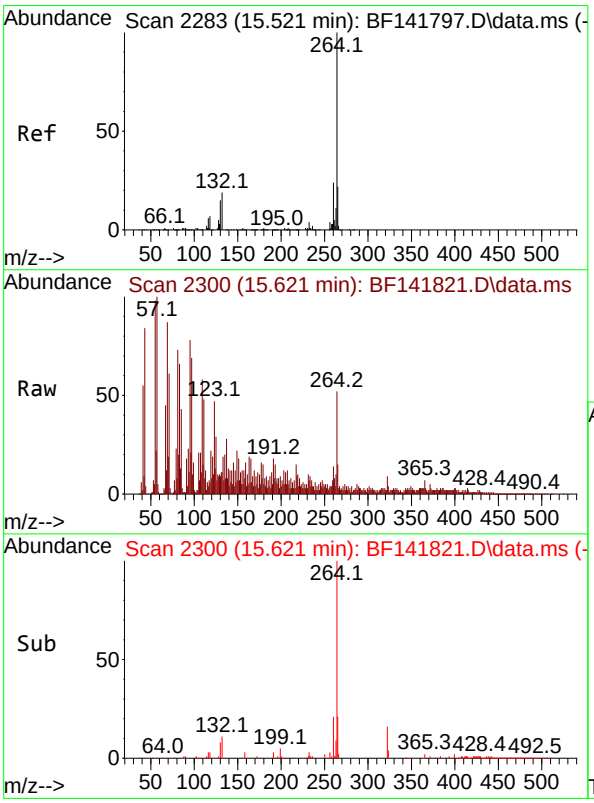

#84
Bis(2-ethylhexyl)phthalate
Concen: 39.904 ng
RT: 14.080 min Scan# 2
Delta R.T. 0.047 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Tgt Ion:149 Resp: 652409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 35.9 | 21.2 | 31.8# |
| 279 | 9.5 | 3.3 | 4.9# |

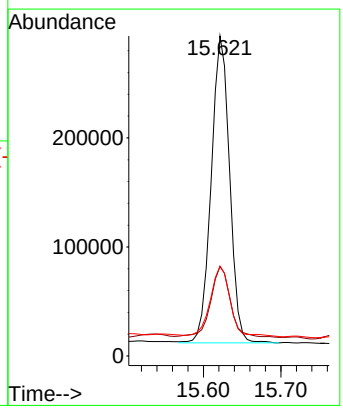



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2300
Delta R.T. 0.100 min
Lab File: BF141821.D
Acq: 03 Mar 2025 19:14

Tgt Ion:264 Resp: 463776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 27.9 | 18.9 | 28.3 |
| 265 | 28.1 | 17.4 | 26.0# |



Sample Results: **BF141821.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141821.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.487 | 565 | 577 | 584 | rBV | 2064730 | 2987597 | 47.23% | 3.454% |
| 2 | 5.916 | 642 | 650 | 654 | rBV4 | 251076 | 478608 | 7.57% | 0.553% |
| 3 | 5.963 | 654 | 658 | 665 | rVV3 | 166719 | 347642 | 5.50% | 0.402% |
| 4 | 6.051 | 665 | 673 | 677 | rVB4 | 349208 | 636090 | 10.06% | 0.735% |
| 5 | 6.145 | 684 | 689 | 695 | rBV2 | 1023118 | 1807047 | 28.57% | 2.089% |
| 6 | 6.198 | 695 | 698 | 701 | rVB | 402173 | 456839 | 7.22% | 0.528% |
| 7 | 6.334 | 716 | 721 | 725 | rBV3 | 692689 | 1187635 | 18.77% | 1.373% |
| 8 | 6.392 | 725 | 731 | 734 | rVV | 604181 | 861854 | 13.62% | 0.996% |
| 9 | 6.428 | 734 | 737 | 743 | rVB4 | 801021 | 1347742 | 21.31% | 1.558% |
| 10 | 6.498 | 743 | 749 | 754 | rBV | 2070752 | 3132237 | 49.52% | 3.621% |
| 11 | 6.545 | 754 | 757 | 759 | rBV | 248355 | 301879 | 4.77% | 0.349% |
| 12 | 6.634 | 768 | 772 | 776 | rBV4 | 931945 | 1783035 | 28.19% | 2.061% |
| 13 | 6.722 | 783 | 787 | 795 | rVB4 | 1835773 | 3589383 | 56.74% | 4.149% |
| 14 | 6.828 | 799 | 805 | 807 | rBV4 | 500074 | 959420 | 15.17% | 1.109% |
| 15 | 6.904 | 807 | 818 | 822 | rVB2 | 2702737 | 5986352 | 94.63% | 6.920% |
| 16 | 6.951 | 822 | 826 | 829 | rBV2 | 977635 | 1285340 | 20.32% | 1.486% |
| 17 | 7.004 | 829 | 835 | 838 | rBV3 | 1003200 | 2054029 | 32.47% | 2.375% |
| 18 | 7.039 | 838 | 841 | 845 | rVB2 | 2153005 | 2689685 | 42.52% | 3.109% |
| 19 | 7.122 | 852 | 855 | 857 | rBV2 | 688697 | 909272 | 14.37% | 1.051% |
| 20 | 7.163 | 859 | 862 | 866 | rVB2 | 1597278 | 2124077 | 33.58% | 2.456% |
| 21 | 7.204 | 866 | 869 | 872 | rBV3 | 578366 | 849200 | 13.42% | 0.982% |
| 22 | 7.234 | 872 | 874 | 878 | rVB2 | 619944 | 708164 | 11.19% | 0.819% |
| 23 | 7.287 | 878 | 883 | 887 | rBV4 | 1629574 | 2691956 | 42.56% | 3.112% |
| 24 | 7.375 | 892 | 898 | 901 | rBV2 | 796228 | 1423051 | 22.50% | 1.645% |
| 25 | 7.422 | 901 | 906 | 913 | rBV4 | 2273642 | 5601005 | 88.54% | 6.475% |
| 26 | 7.534 | 921 | 925 | 929 | rVB3 | 1623829 | 2473754 | 39.11% | 2.860% |
| 27 | 7.592 | 929 | 935 | 939 | rBV3 | 931318 | 1863487 | 29.46% | 2.154% |
| 28 | 7.675 | 940 | 949 | 961 | rVB5 | 1711316 | 6325801 | 100.00% | 7.313% |
| 29 | 7.792 | 961 | 969 | 971 | rBV3 | 903200 | 2169486 | 34.30% | 2.508% |
| 30 | 7.816 | 971 | 973 | 977 | rVB4 | 697131 | 704656 | 11.14% | 0.815% |
| 31 | 7.910 | 983 | 989 | 992 | rBV3 | 828108 | 1442916 | 22.81% | 1.668% |
| 32 | 8.039 | 1008 | 1011 | 1015 | rVB3 | 236182 | 287403 | 4.54% | 0.332% |
| 33 | 8.104 | 1017 | 1022 | 1027 | rVV4 | 748700 | 1589739 | 25.13% | 1.838% |
| 34 | 8.169 | 1027 | 1033 | 1040 | rVV2 | 1201557 | 2729250 | 43.14% | 3.155% |
| 35 | 8.228 | 1040 | 1043 | 1046 | rVB2 | 505349 | 619067 | 9.79% | 0.716% |
| 36 | 8.257 | 1046 | 1048 | 1056 | rVB6 | 194605 | 301827 | 4.77% | 0.349% |

Sample Results: **BF141821.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 8.351 | 1060 | 1064 | 1070 | rVB3 | 278914 | 395566 | 6.25% | 0.457% |
| 38 | 8.410 | 1070 | 1074 | 1079 | rBV3 | 483542 | 676200 | 10.69% | 0.782% |
| 39 | 8.463 | 1080 | 1083 | 1087 | rVB5 | 249316 | 300527 | 4.75% | 0.347% |
| 40 | 8.592 | 1101 | 1105 | 1111 | rBV3 | 247105 | 452281 | 7.15% | 0.523% |
| 41 | 9.245 | 1210 | 1216 | 1220 | rVB | 2890040 | 4062500 | 64.22% | 4.696% |
| 42 | 9.286 | 1220 | 1223 | 1225 | rBV2 | 378094 | 519255 | 8.21% | 0.600% |
| 43 | 9.563 | 1266 | 1270 | 1272 | rBV2 | 1298775 | 1921536 | 30.38% | 2.221% |
| 44 | 9.651 | 1281 | 1285 | 1291 | rBV4 | 1044826 | 2301465 | 36.38% | 2.661% |
| 45 | 9.745 | 1298 | 1301 | 1305 | rVB4 | 935768 | 1105705 | 17.48% | 1.278% |
| 46 | 9.886 | 1321 | 1325 | 1327 | rBV2 | 1231535 | 2030522 | 32.10% | 2.347% |
| 47 | 10.869 | 1489 | 1492 | 1498 | rVB | 4537616 | 6030584 | 95.33% | 6.972% |

Sum of corrected areas: 86502666

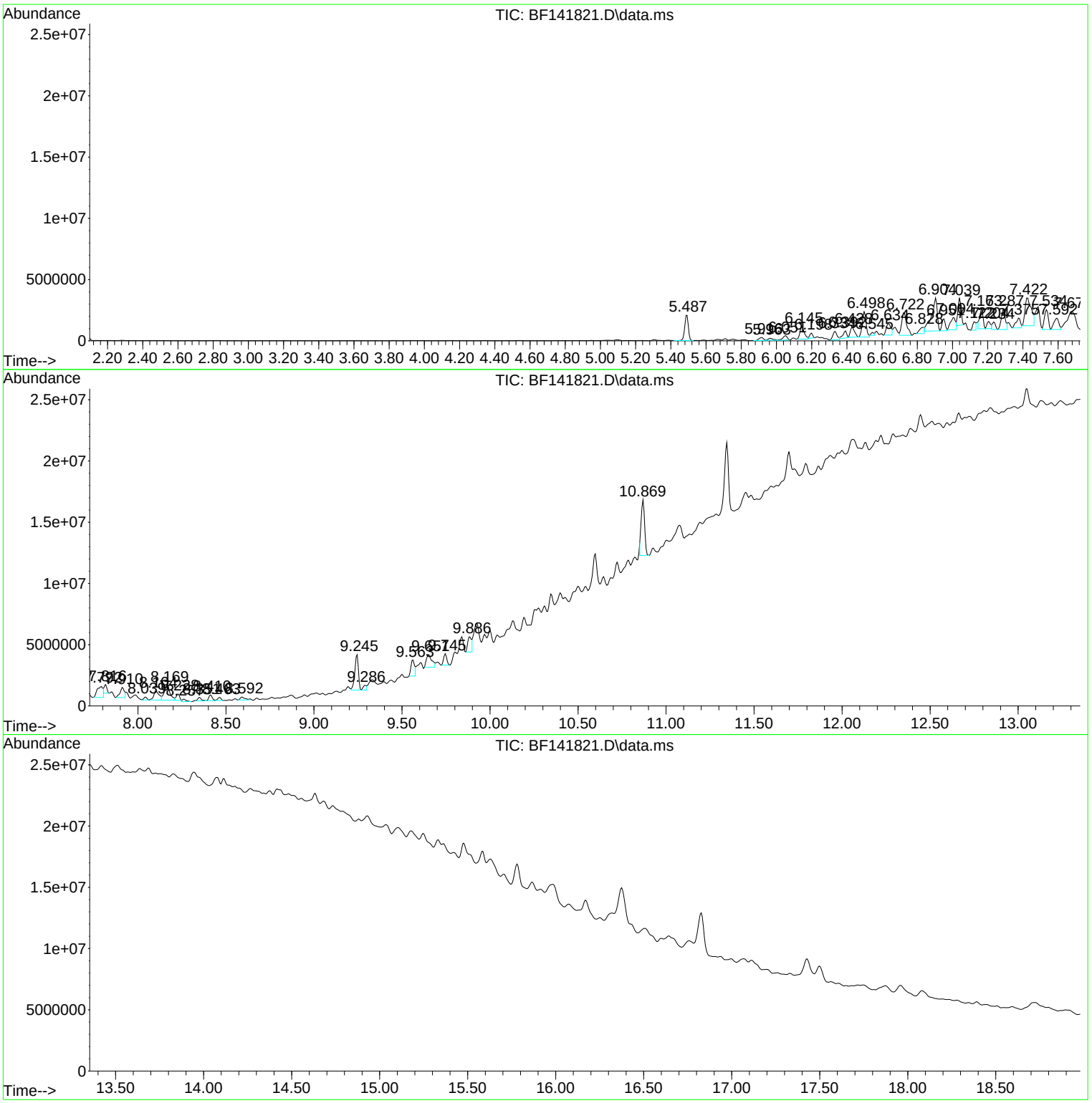
Sample Results: **BF141821.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

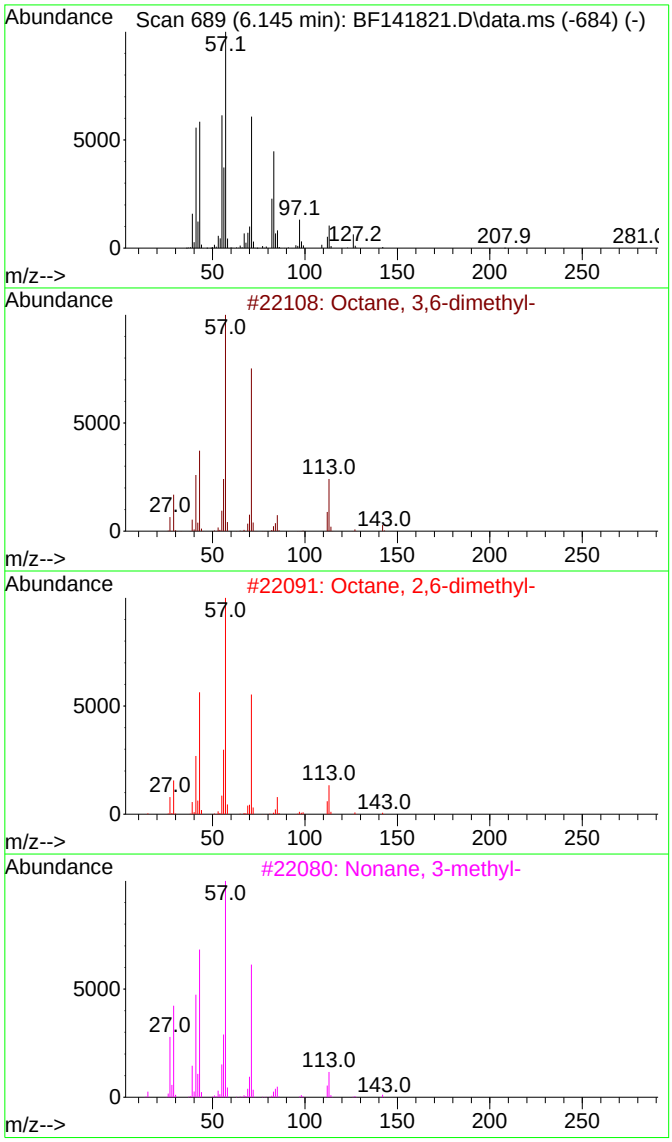
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

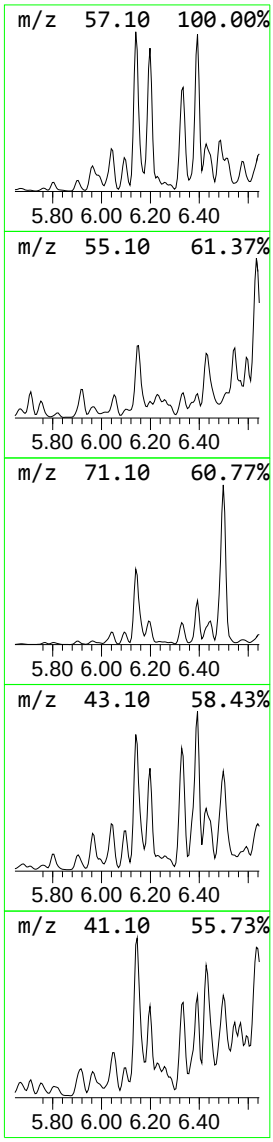
**********

Peak Number 1 unknown6.145 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.145 | 6.04 ng | 1807050 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 3,6-dimethyl- | 142 | C10H22 | 015869-94-0 | 46 |
| 2 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 46 |
| 3 | Nonane, 3-methyl- | 142 | C10H22 | 005911-04-6 | 46 |
| 4 | Cyclopentane, (2-methylpropyl)- | 126 | C9H18 | 003788-32-7 | 38 |
| 5 | Octane, 2,3,7-trimethyl- | 156 | C11H24 | 062016-34-6 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

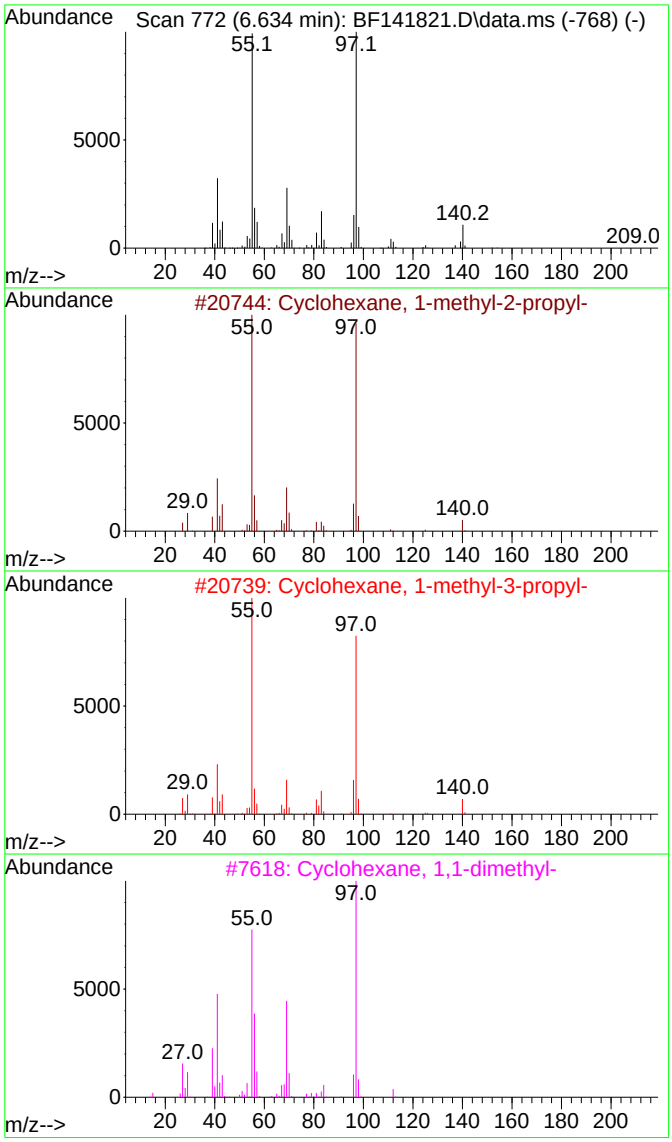
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

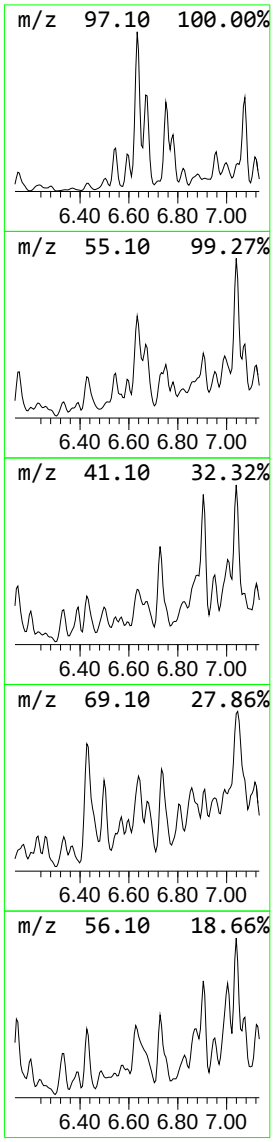
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Cyclohexane, 1-methyl-2-pro... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.634 | 5.96 ng | 1783040 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1-methyl-2-propyl- | 140 | C10H20 | 004291-79-6 | 90 |
| 2 | Cyclohexane, 1-methyl-3-propyl- | 140 | C10H20 | 004291-80-9 | 80 |
| 3 | Cyclohexane, 1,1-dimethyl- | 112 | C8H16 | 000590-66-9 | 74 |
| 4 | Cyclohexane, 1,3-dimethyl-, cis- | 112 | C8H16 | 000638-04-0 | 64 |
| 5 | Cyclohexane, 1-ethyl-1-methyl- | 126 | C9H18 | 004926-90-3 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

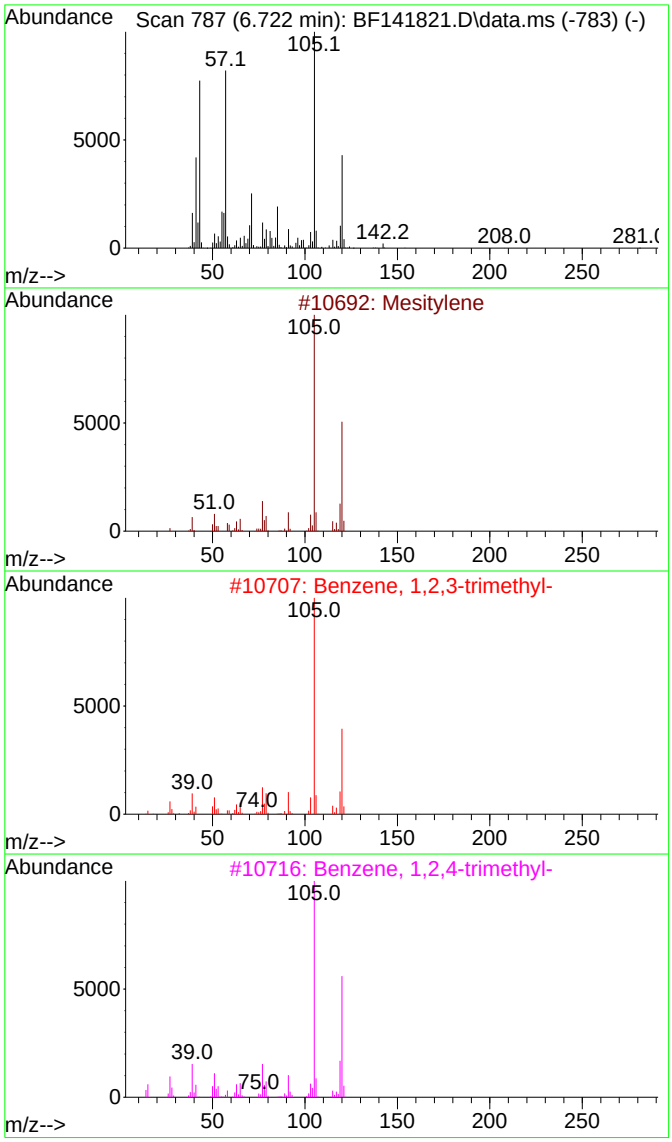
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

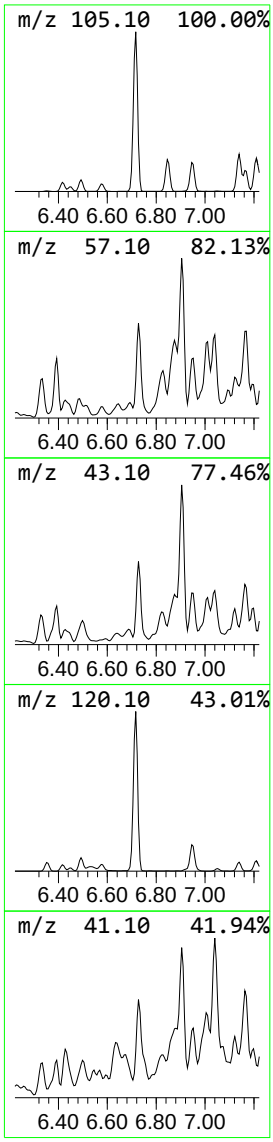
**********

Peak Number 3 Mesitylene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.722 | 11.99 ng | 3589380 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 90 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 86 |
| 4 | Decane | 142 | C10H22 | 000124-18-5 | 80 |
| 5 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

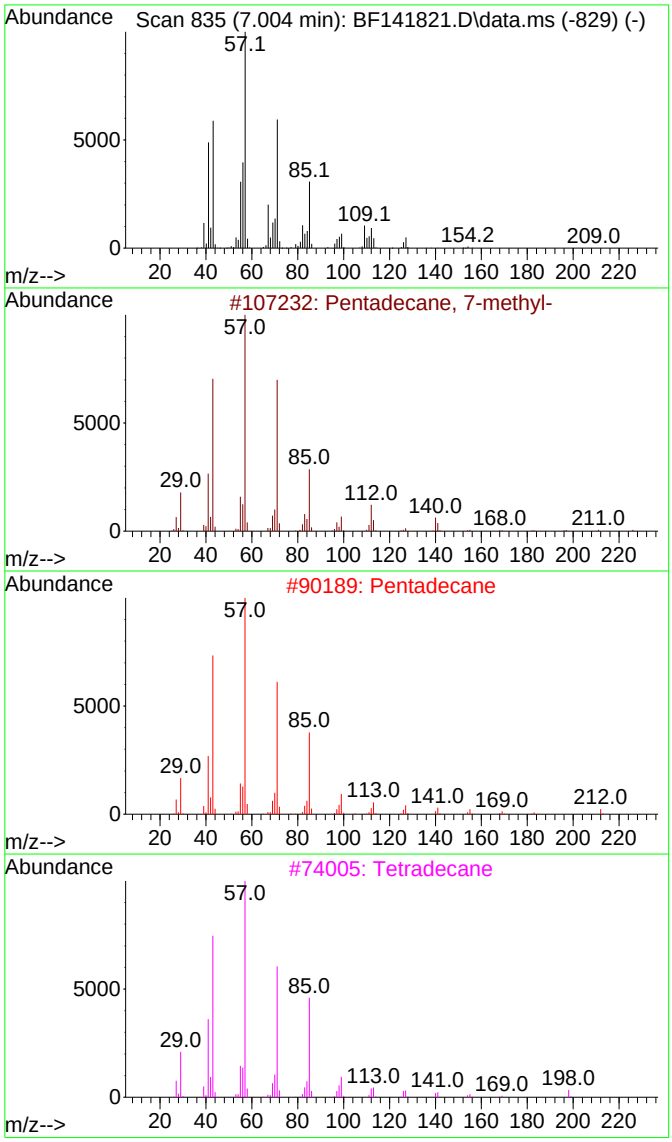
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

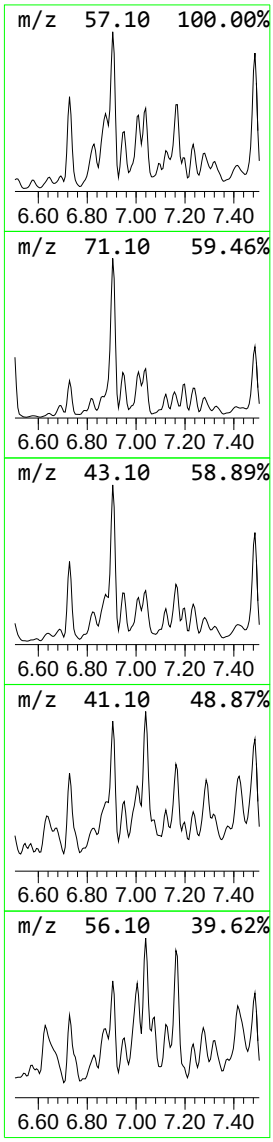
**********

Peak Number 4 unknown7.004 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.004 | 6.86 ng | 2054030 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane, 7-methyl- | 226 | C16H34 | 006165-40-8 | 47 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 46 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 43 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 43 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

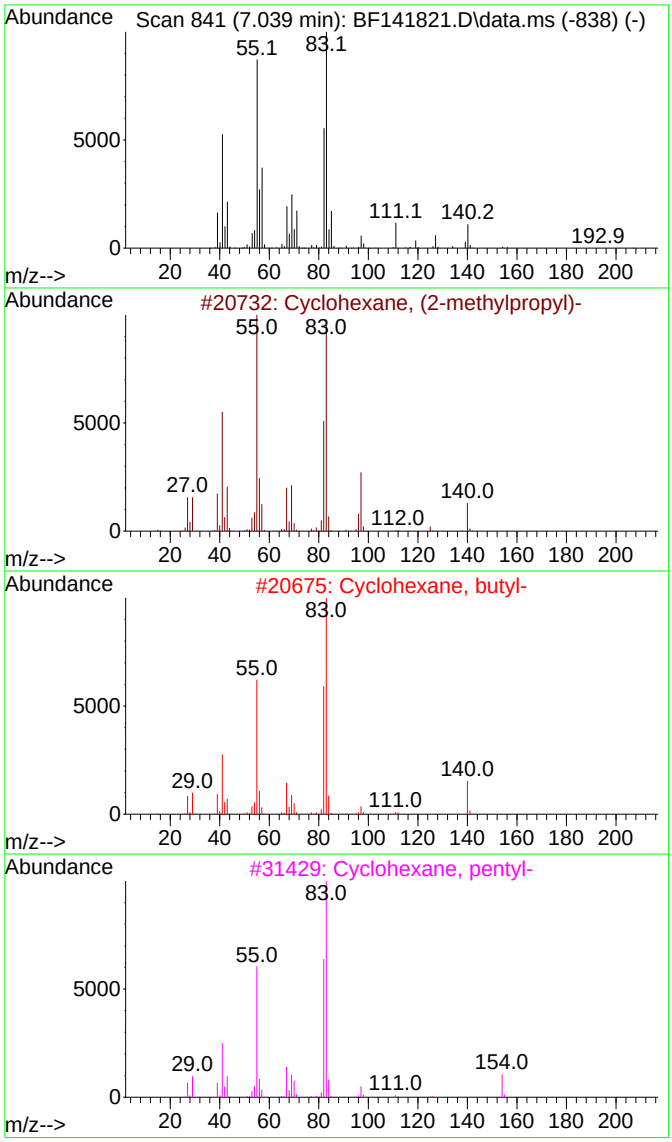
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

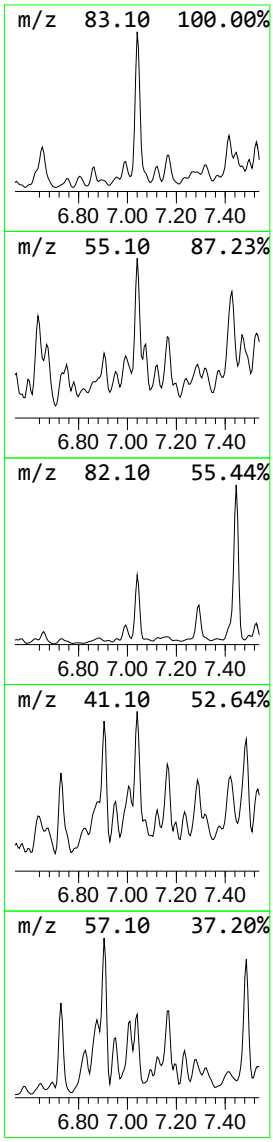
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Cyclohexane, (2-methylpropyl)- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.039 | 8.99 ng | 2689690 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, (2-methylpropyl)- | 140 | C10H20 | 001678-98-4 | 83 |
| 2 | Cyclohexane, butyl- | 140 | C10H20 | 001678-93-9 | 74 |
| 3 | Cyclohexane, pentyl- | 154 | C11H22 | 004292-92-6 | 64 |
| 4 | Cyclohexane, (1-methylpropyl)- | 140 | C10H20 | 007058-01-7 | 52 |
| 5 | Cyclohexane, (1-methylethyl)- | 126 | C9H18 | 000696-29-7 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

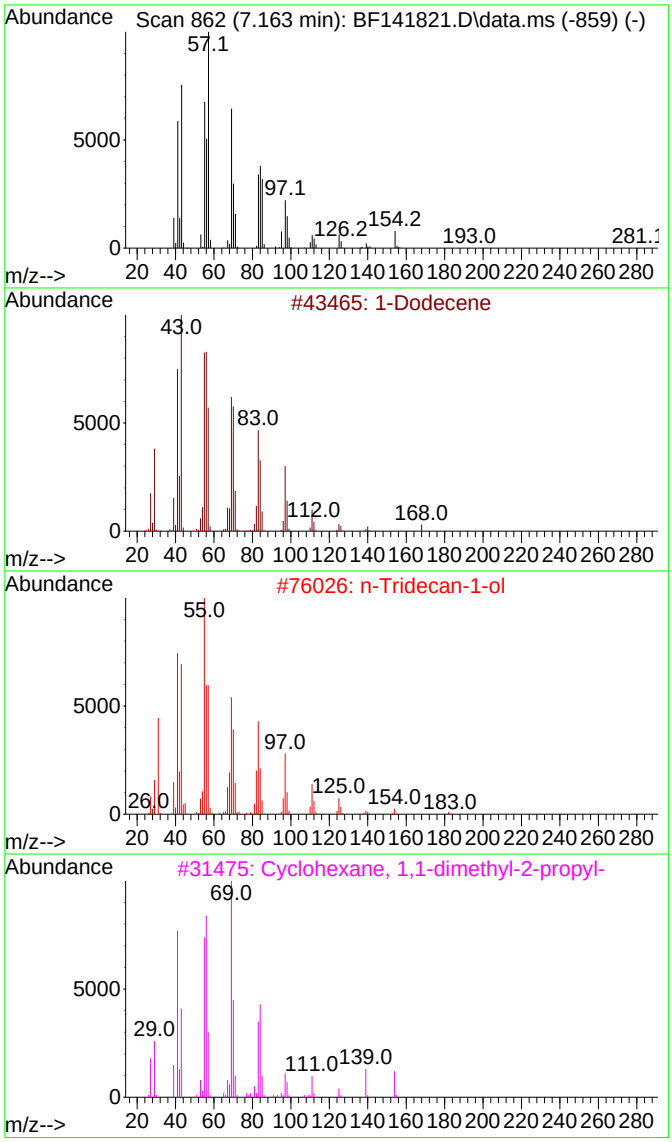
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

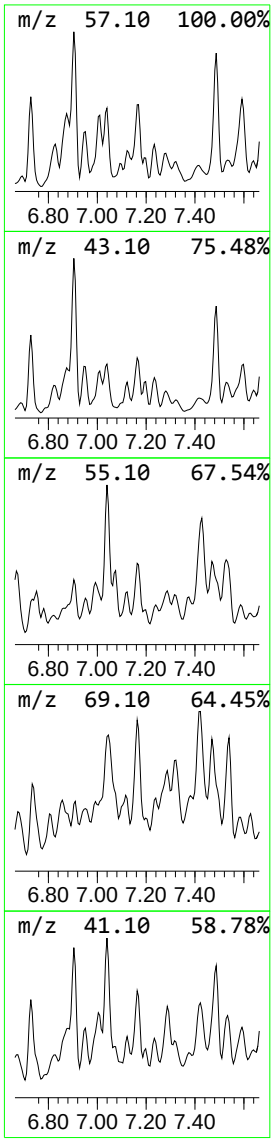
**********

Peak Number 6 1-Dodecene Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.163 | 7.10 ng | 2124080 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Dodecene | 168 | C12H24 | 000112-41-4 | 53 |
| 2 | n-Tridecan-1-ol | 200 | C13H28O | 000112-70-9 | 53 |
| 3 | Cyclohexane, 1,1-dimethyl-2-propyl- | 154 | C11H22 | 081983-71-3 | 52 |
| 4 | 1-Undecene | 154 | C11H22 | 000821-95-4 | 52 |
| 5 | 1-Hexadecanol | 242 | C16H34O | 036653-82-4 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

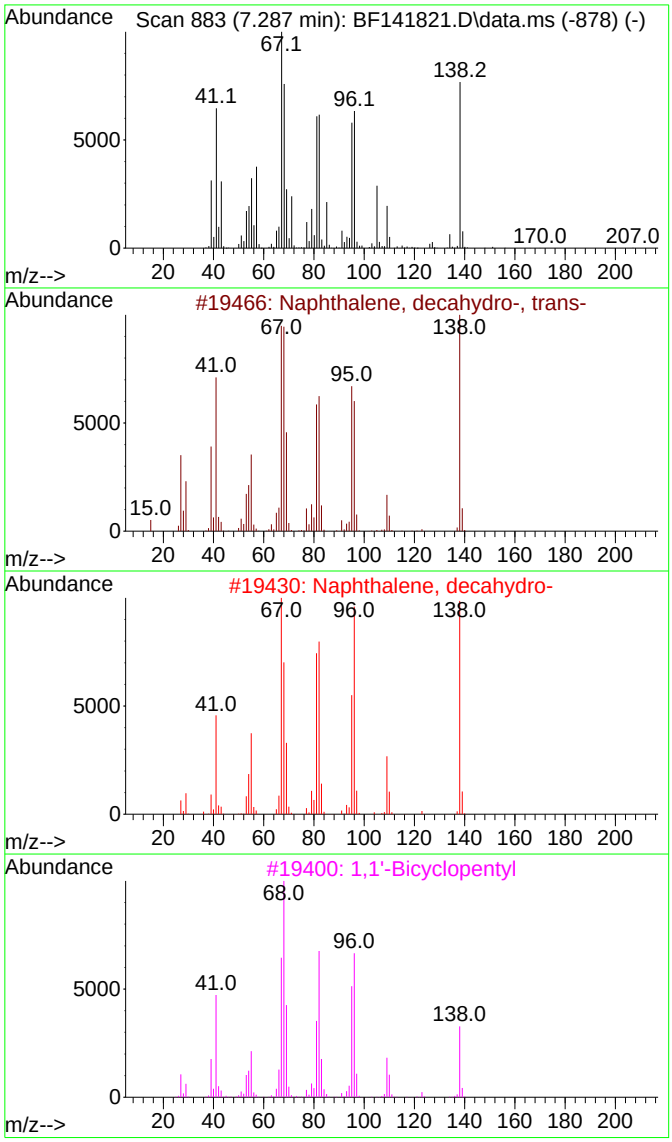
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

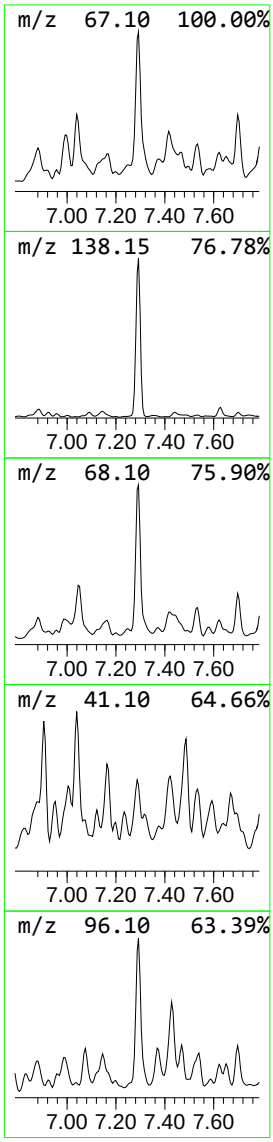
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Naphthalene, decahydro-, tr... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.287 | 8.99 ng | 2691960 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, decahydro-, trans- | 138 | C10H18 | 000493-02-7 | 93 |
| 2 | Naphthalene, decahydro- | 138 | C10H18 | 000091-17-8 | 81 |
| 3 | 1,1'-Bicyclopentyl | 138 | C10H18 | 001636-39-1 | 70 |
| 4 | Cyclohexane, 1-methyl-3-(1-methy... | 138 | C10H18 | 024399-15-3 | 68 |
| 5 | Naphthalene, decahydro-, cis- | 138 | C10H18 | 000493-01-6 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

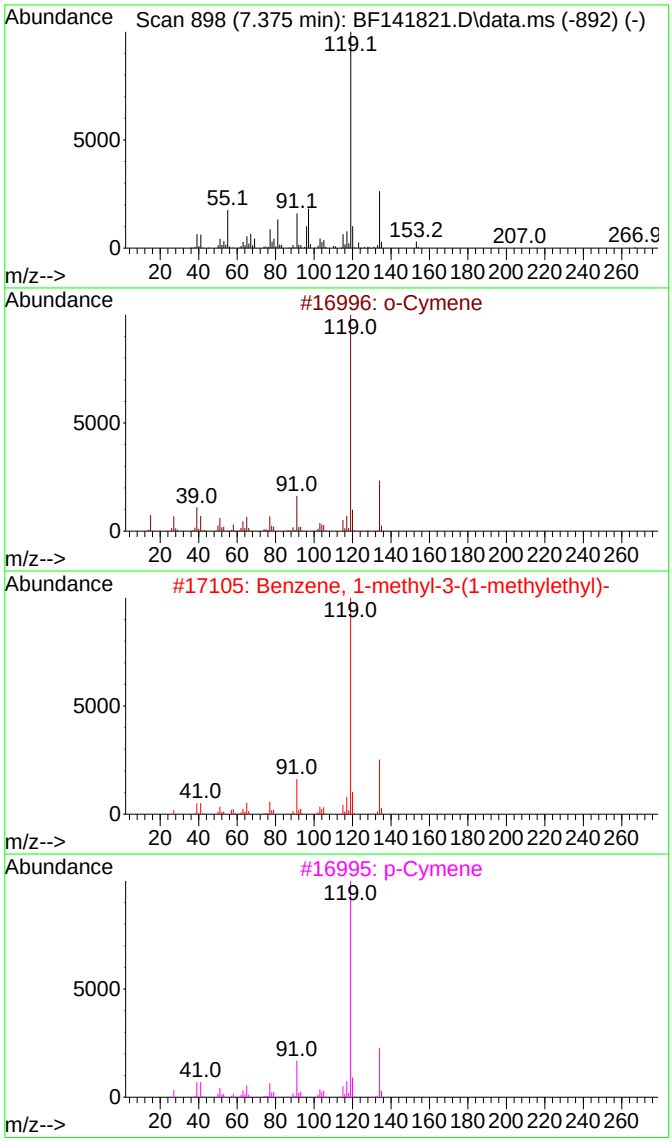
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

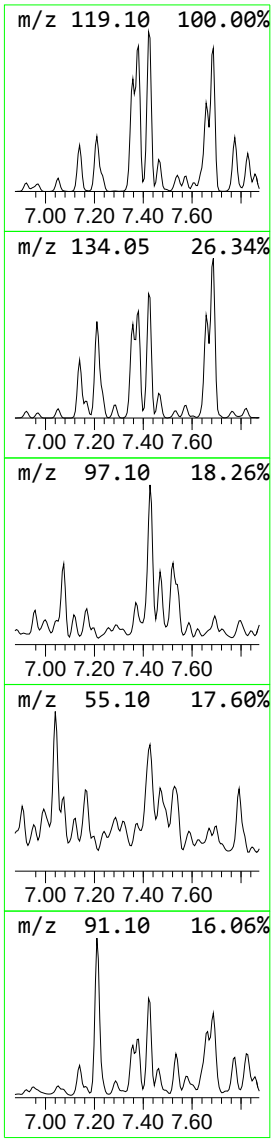
**********

Peak Number 8 o-Cymene Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.375 | 4.75 ng | 1423050 | 1,4-Dichlorobenzene-d4 | 6.892 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Cymene | 134 | C10H14 | 000527-84-4 | 95 |
| 2 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 95 |
| 3 | p-Cymene | 134 | C10H14 | 000099-87-6 | 95 |
| 4 | 1,3,5-Cycloheptatriene, 3,7,7-tr... | 134 | C10H14 | 003479-89-8 | 90 |
| 5 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

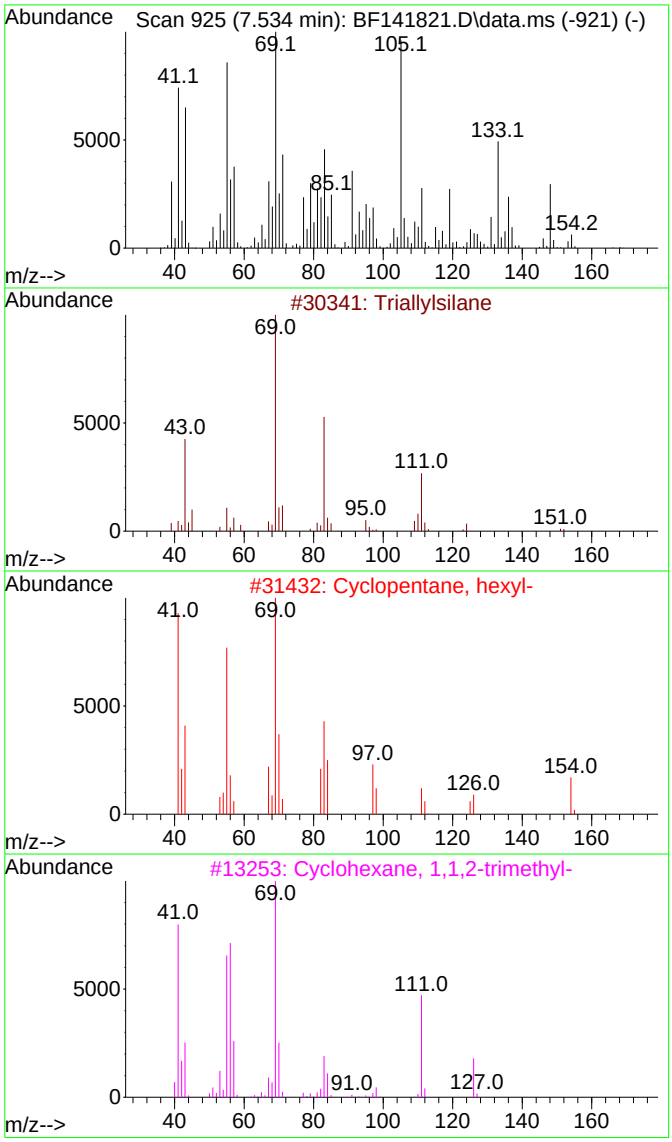
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

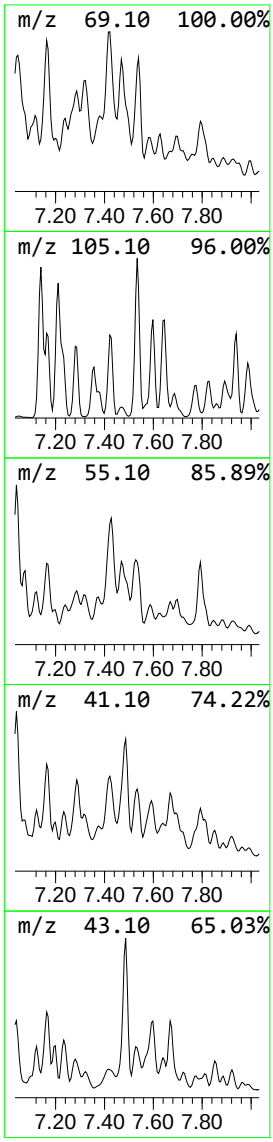
**********

Peak Number 9 unknown7.534 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.534 | 18.13 ng | 2473750 | Naphthalene-d8 | 8.169 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triallylsilane | 152 | C9H16Si | 001116-62-7 | 35 |
| 2 | Cyclopentane, hexyl- | 154 | C11H22 | 004457-00-5 | 30 |
| 3 | Cyclohexane, 1,1,2-trimethyl- | 126 | C9H18 | 007094-26-0 | 30 |
| 4 | (1,2,4-Trimethylcyclohexyl)metha... | 198 | C12H22O2 | 1010499-04-6 | 27 |
| 5 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 27 |



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Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

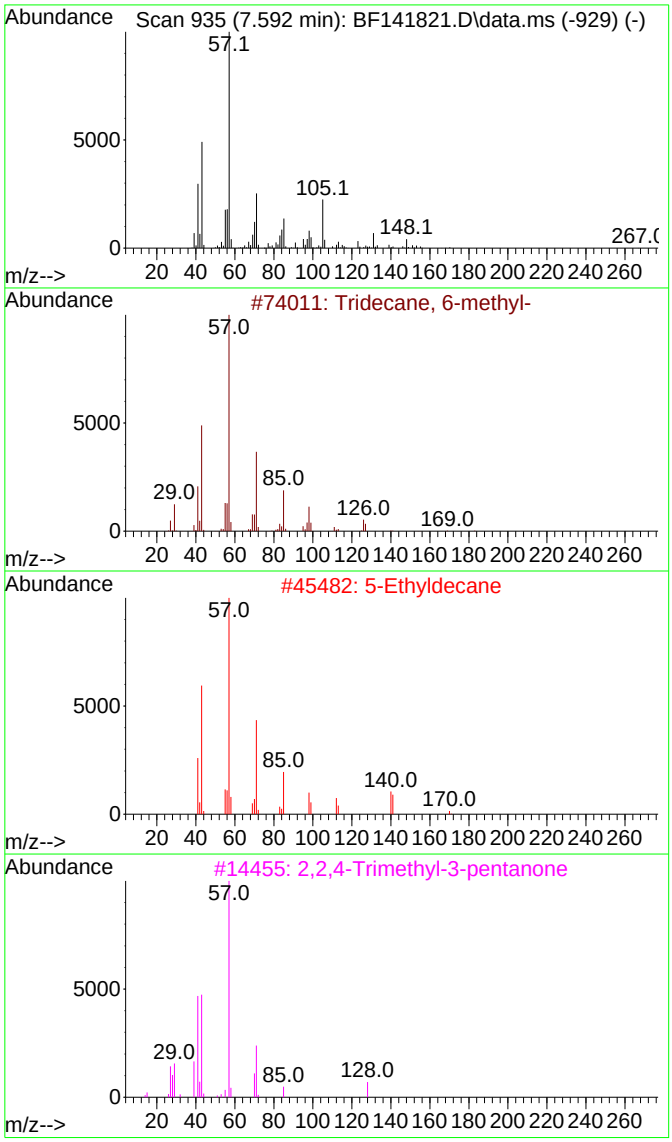
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

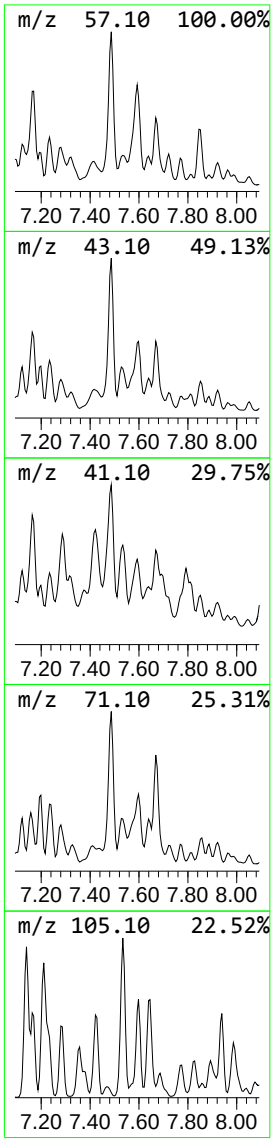
**********

Peak Number 10 Tridecane, 6-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.592 | 13.66 ng | 1863490 | Naphthalene-d8 | 8.169 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 6-methyl- | 198 | C14H30 | 013287-21-3 | 50 |
| 2 | 5-Ethyldecane | 170 | C12H26 | 017302-36-2 | 43 |
| 3 | 2,2,4-Trimethyl-3-pentanone | 128 | C8H16O | 005857-36-3 | 38 |
| 4 | Octane, 4-ethyl- | 142 | C10H22 | 015869-86-0 | 35 |
| 5 | Oxalic acid, isobutyl nonyl ester | 272 | C15H28O4 | 1010309-37-4 | 35 |



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Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

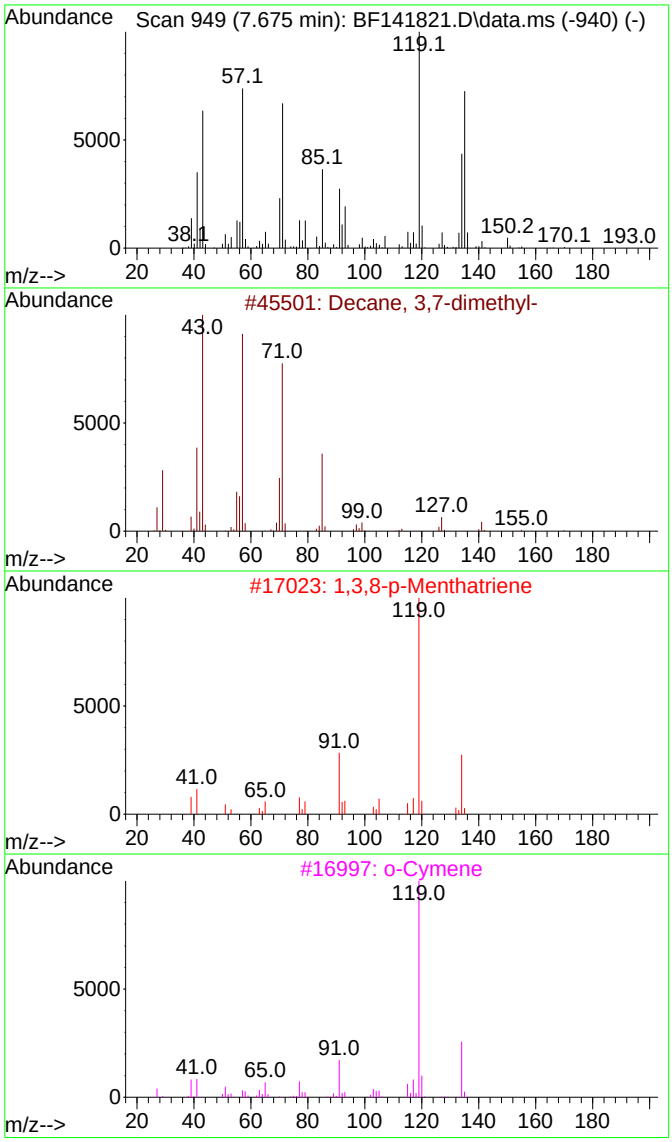
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

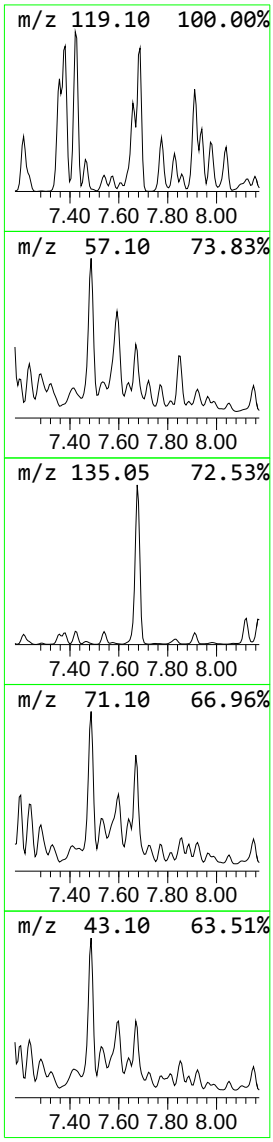
**********

Peak Number 11 Decane, 3,7-dimethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.675 | 46.36 ng | 6325800 | Naphthalene-d8 | 8.169 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 3,7-dimethyl- | 170 | C12H26 | 017312-54-8 | 60 |
| 2 | 1,3,8-p-Menthatriene | 134 | C10H14 | 018368-95-1 | 50 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 46 |
| 4 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 46 |
| 5 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 46 |



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Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

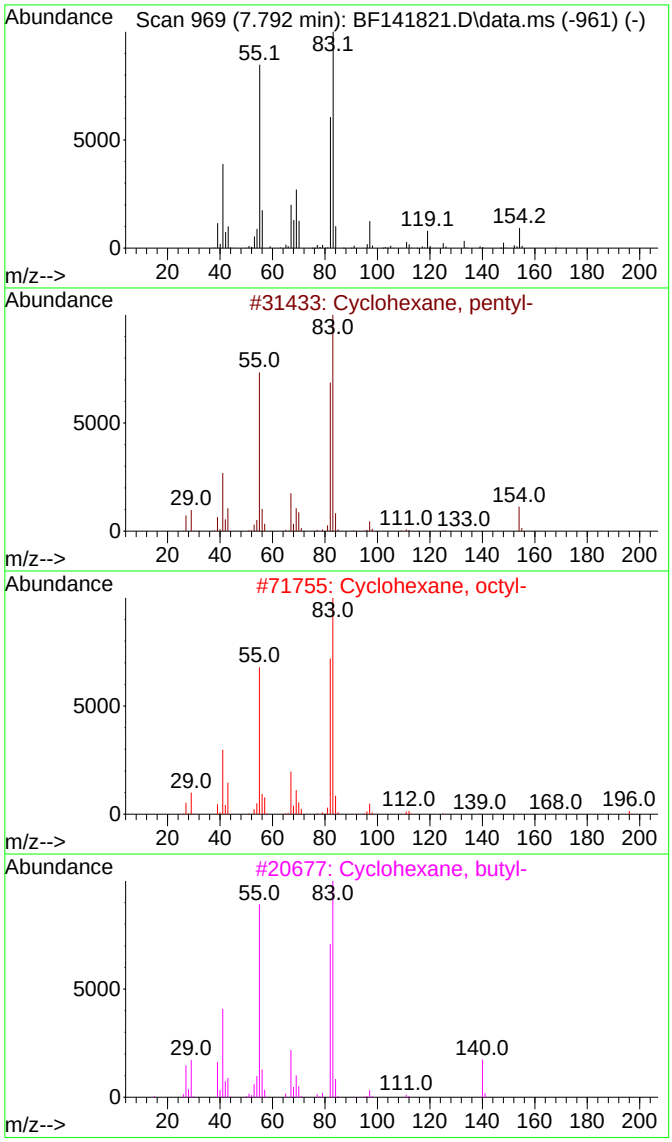
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

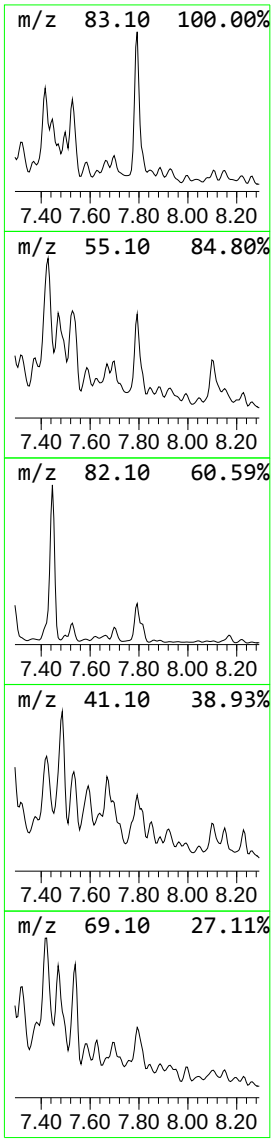
**********

Peak Number 12 Cyclohexane, pentyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.792 | 15.90 ng | 2169490 | Naphthalene-d8 | 8.169 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, pentyl- | 154 | C11H22 | 004292-92-6 | 87 |
| 2 | Cyclohexane, octyl- | 196 | C14H28 | 001795-15-9 | 72 |
| 3 | Cyclohexane, butyl- | 140 | C10H20 | 001678-93-9 | 72 |
| 4 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 72 |
| 5 | Cyclohexane, hexyl- | 168 | C12H24 | 004292-75-5 | 64 |



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Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

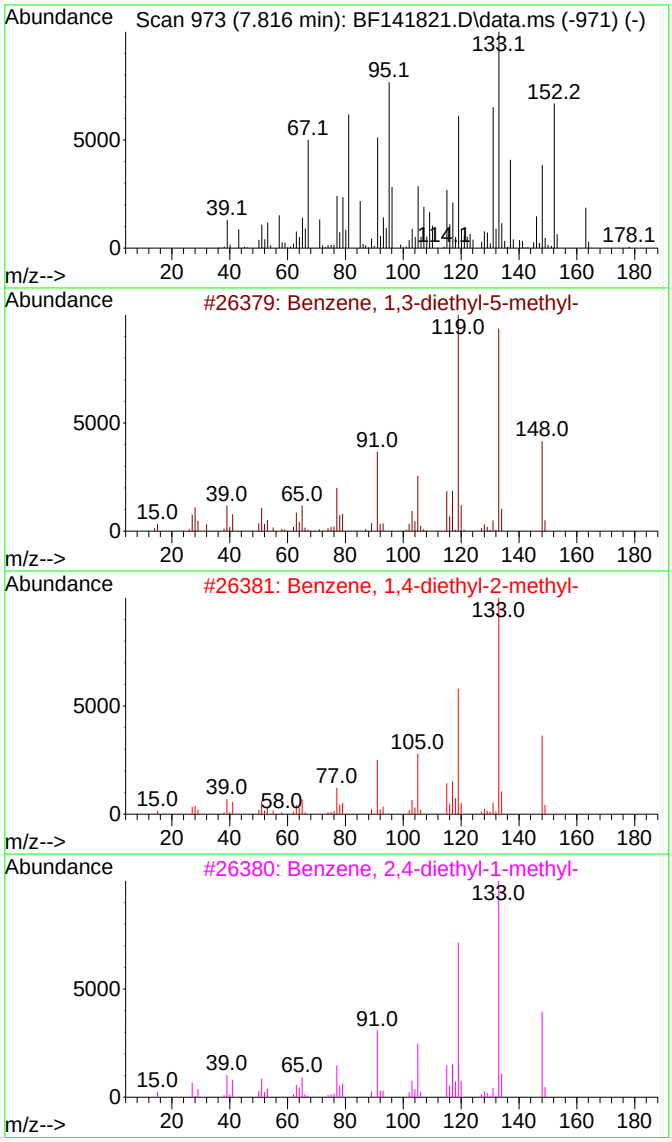
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

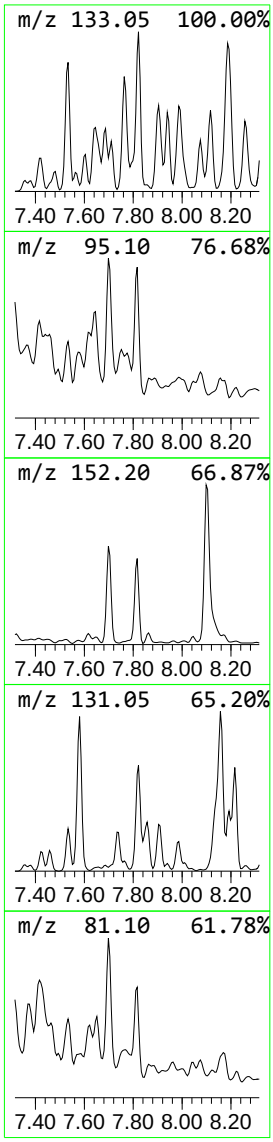
**********

Peak Number 13 unknown7.816 Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.816 | 5.16 ng | 704656 | Naphthalene-d8 | 8.169 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-diethyl-5-methyl- | 148 | C11H16 | 002050-24-0 | 47 |
| 2 | Benzene, 1,4-diethyl-2-methyl- | 148 | C11H16 | 013632-94-5 | 46 |
| 3 | Benzene, 2,4-diethyl-1-methyl- | 148 | C11H16 | 001758-85-6 | 42 |
| 4 | Phenol, 2-(2-methyl-2-propenyl)- | 148 | C10H12O | 020944-88-1 | 38 |
| 5 | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16 | 004218-48-8 | 35 |



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Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

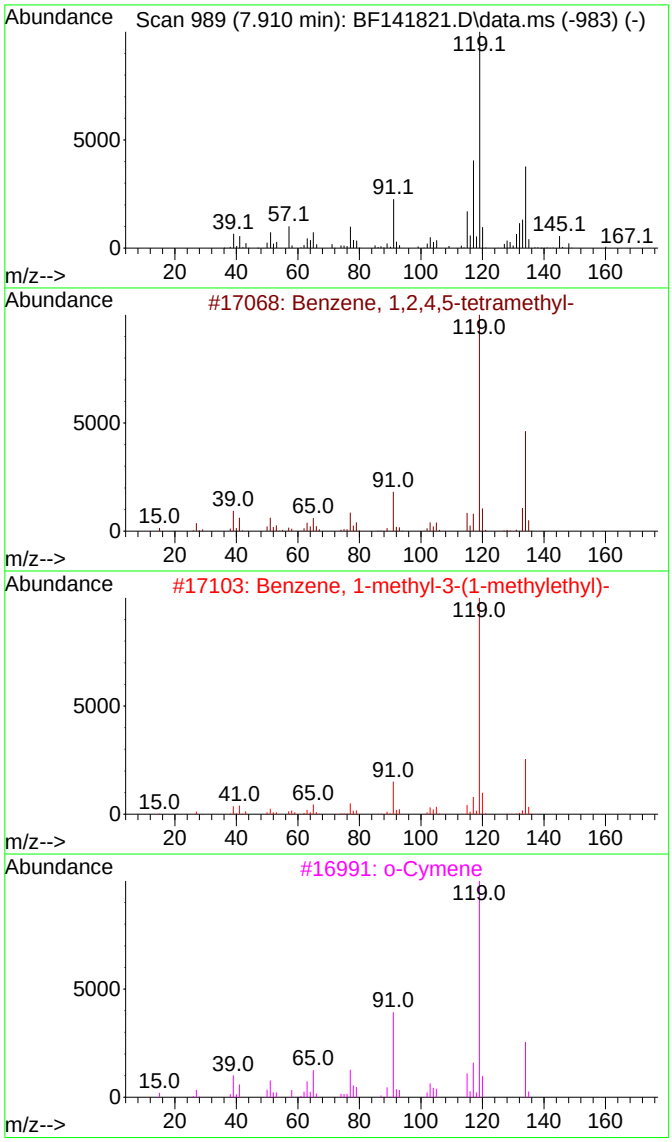
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

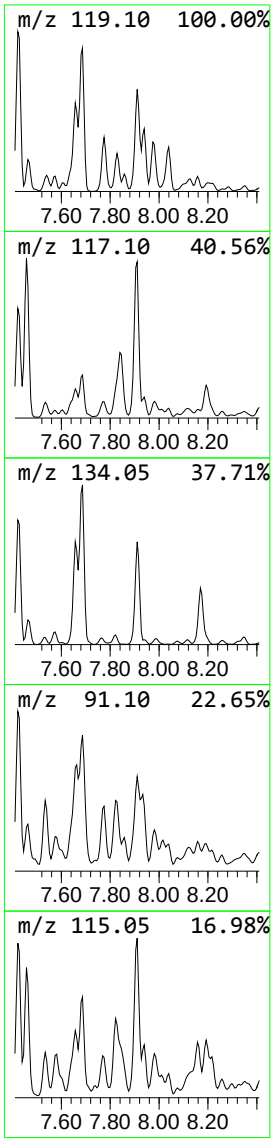
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.910 | 10.57 ng | 1442920 | Naphthalene-d8 | 8.169 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 64 |
| 2 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 64 |
| 3 | o-Cymene | 134 | C10H14 | 000527-84-4 | 64 |
| 4 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 60 |
| 5 | p-Cymene | 134 | C10H14 | 000099-87-6 | 60 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

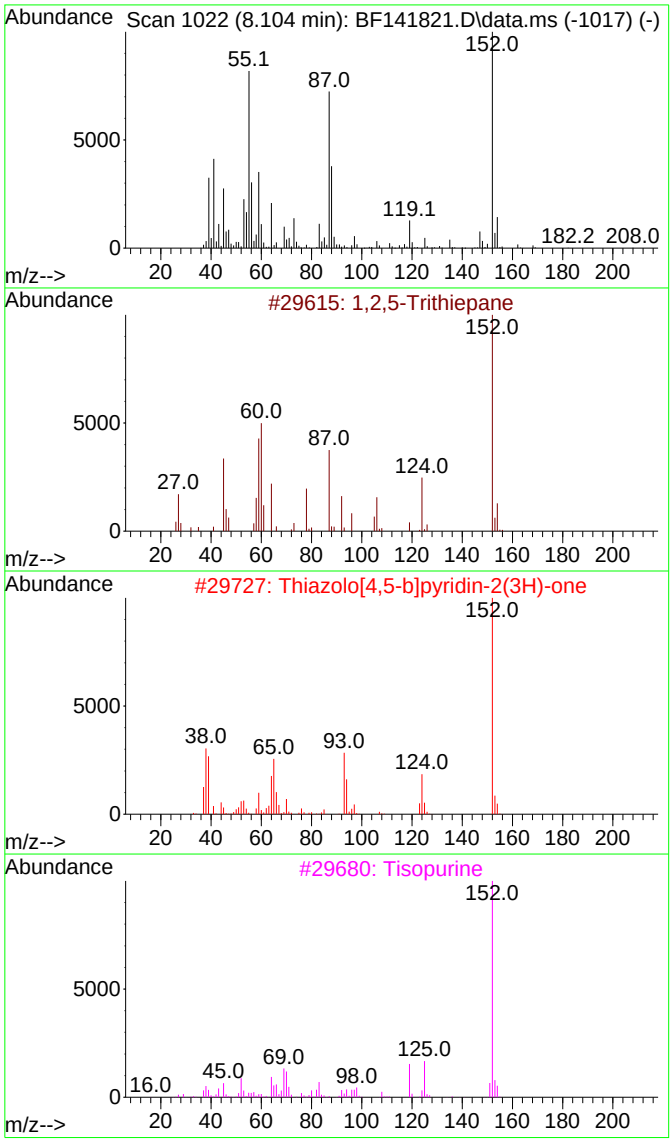
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

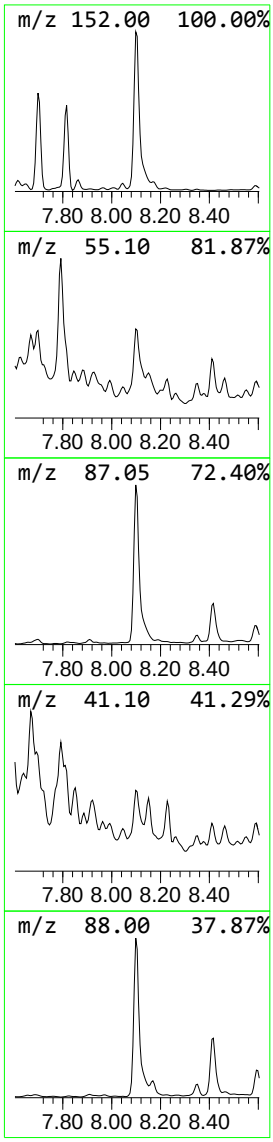
**********

Peak Number 15 unknown8.104 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.104 | 11.65 ng | 1589740 | Naphthalene-d8 | 8.169 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2,5-Trithiepane | 152 | C4H8S3 | 006576-93-8 | 47 |
| 2 | Thiazolo[4,5-b]pyridin-2(3H)-one | 152 | C6H4N2OS | 1000337-65-8 | 35 |
| 3 | Tisopurine | 152 | C5H4N4S | 005334-23-6 | 27 |
| 4 | Thiophene, 2,5-dichloro- | 152 | C4H2Cl2S | 003172-52-9 | 16 |
| 5 | 6-Mercaptopurine | 152 | C5H4N4S | 000050-44-2 | 16 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

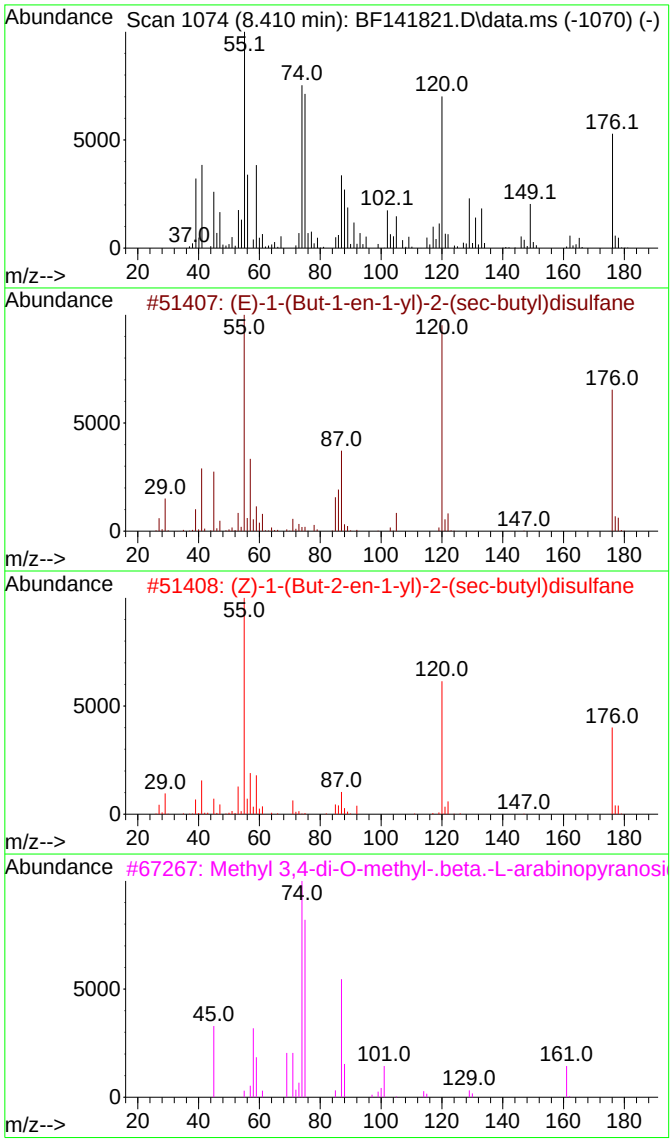
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

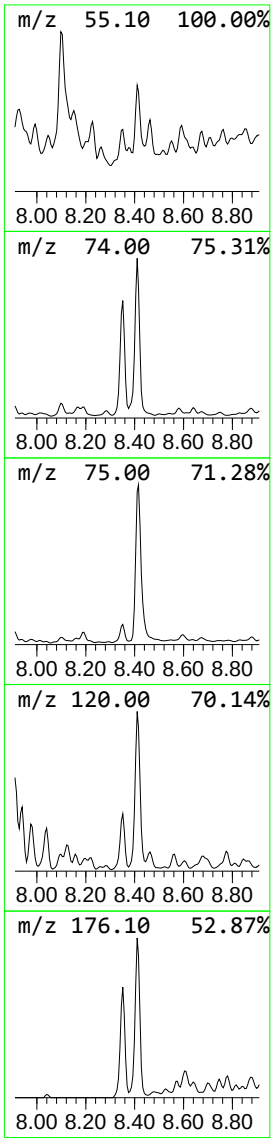
**********

Peak Number 16 unknown8.410 Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.410 | 4.96 ng | 676200 | Naphthalene-d8 | 8.169 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (E)-1-(But-1-en-1-yl)-2-(sec-but... | 176 | C8H16S2 | 110690-22-7 | 44 |
| 2 | (Z)-1-(But-2-en-1-yl)-2-(sec-but... | 176 | C8H16S2 | 110690-23-8 | 35 |
| 3 | Methyl 3,4-di-O-methyl-.beta.-L-... | 192 | C8H16O5 | 002296-48-2 | 32 |
| 4 | (Z)-1-(But-1-en-1-yl)-2-(sec-but... | 176 | C8H16S2 | 110690-21-6 | 30 |
| 5 | Propanoic acid, 2-mercapto-2-met... | 120 | C4H8O2S | 004695-31-2 | 27 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

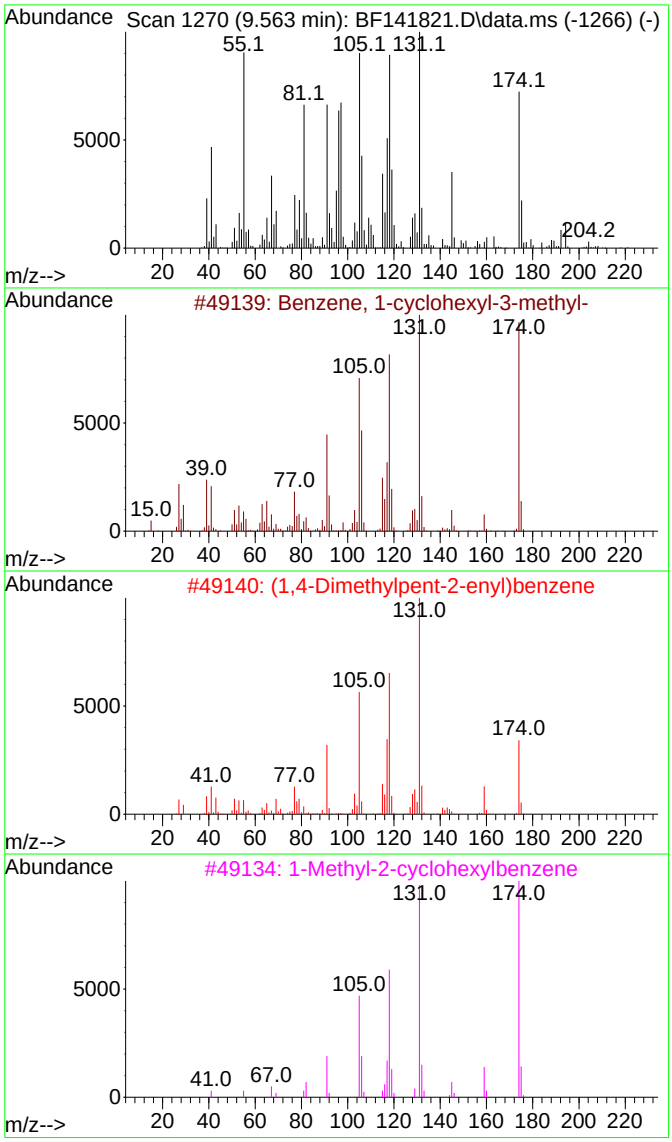
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

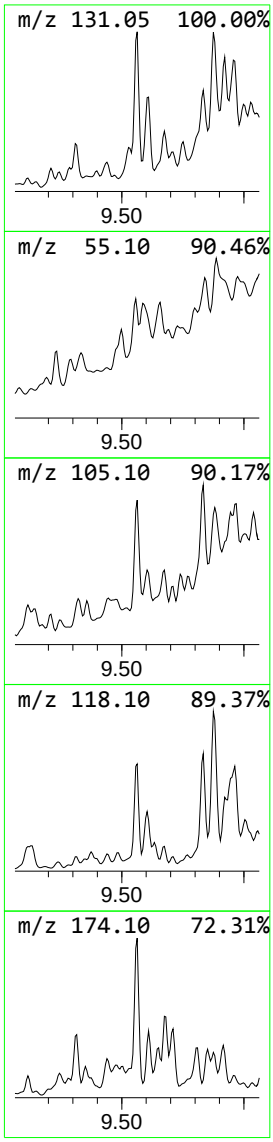
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 Benzene, 1-cyclohexyl-3-met... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.563 | 18.93 ng | 1921540 | Acenaphthene-d10 | 9.928 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-cyclohexyl-3-methyl- | 174 | C13H18 | 004575-46-6 | 64 |
| 2 | (1,4-Dimethylpent-2-enyl)benzene | 174 | C13H18 | 1000184-97-9 | 60 |
| 3 | 1-Methyl-2-cyclohexylbenzene | 174 | C13H18 | 004501-35-3 | 58 |
| 4 | 3-Phenylthiane,S-oxide | 194 | C11H14OS | 058121-26-9 | 30 |
| 5 | Benzene, 1,1'-(1-ethenyl-1,3-pro... | 222 | C17H18 | 061141-97-7 | 15 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

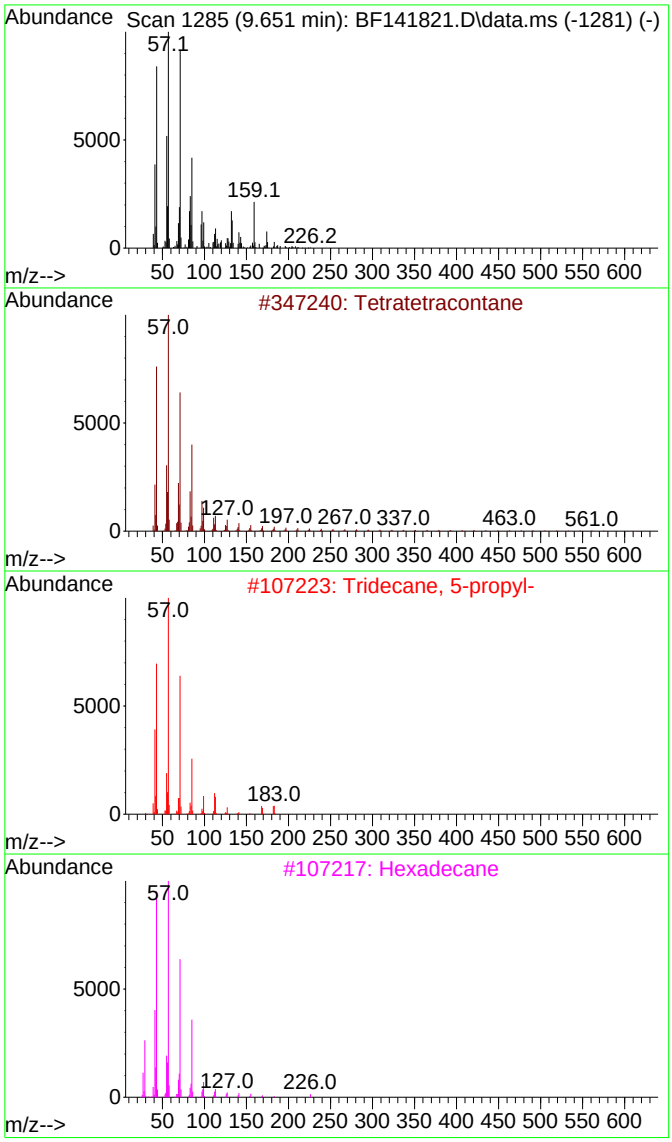
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

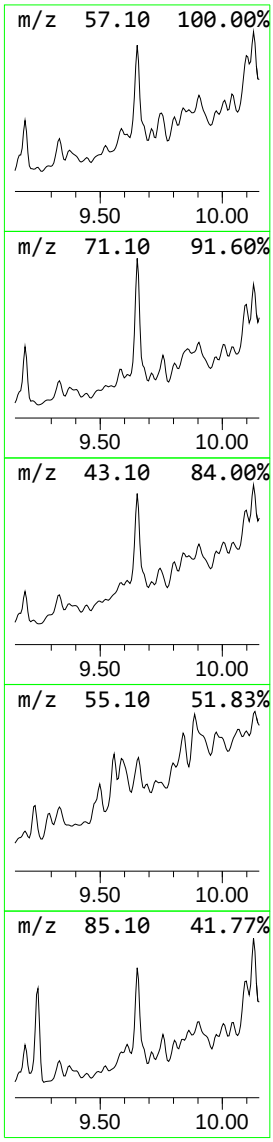
**********

Peak Number 18 Tetratetracontane Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.651 | 22.67 ng | 2301470 | Acenaphthene-d10 | 9.928 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 64 |
| 2 | Tridecane, 5-propyl- | 226 | C16H34 | 055045-11-9 | 62 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 62 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 58 |
| 5 | Dodecane, 2,6,10-trimethyl- | 212 | C15H32 | 003891-98-3 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

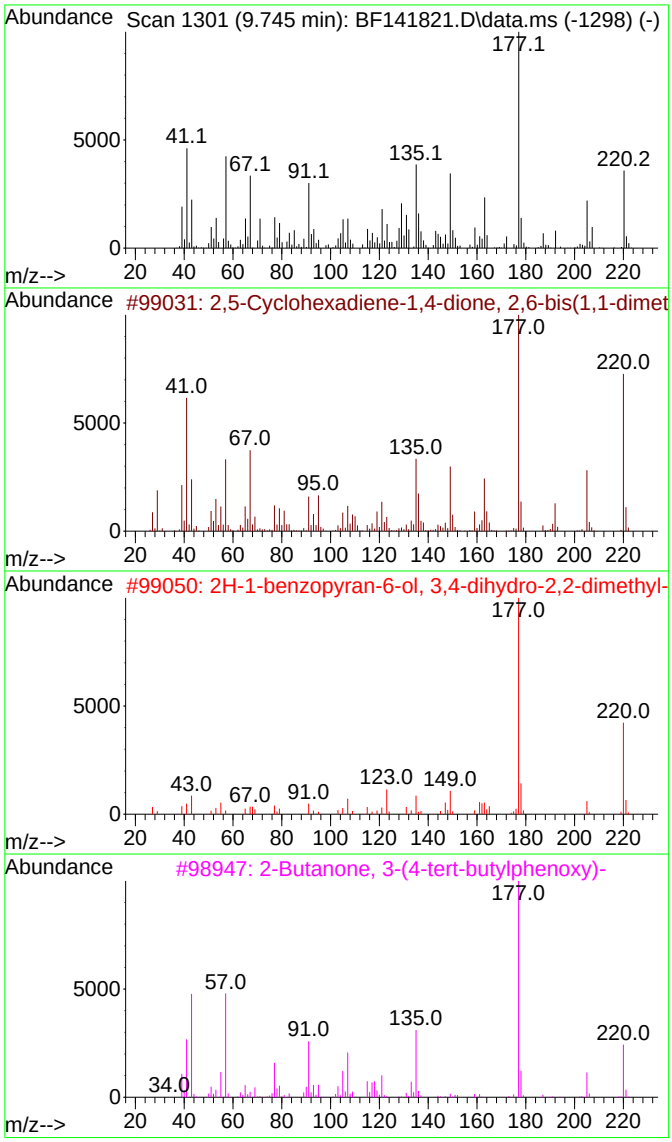
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

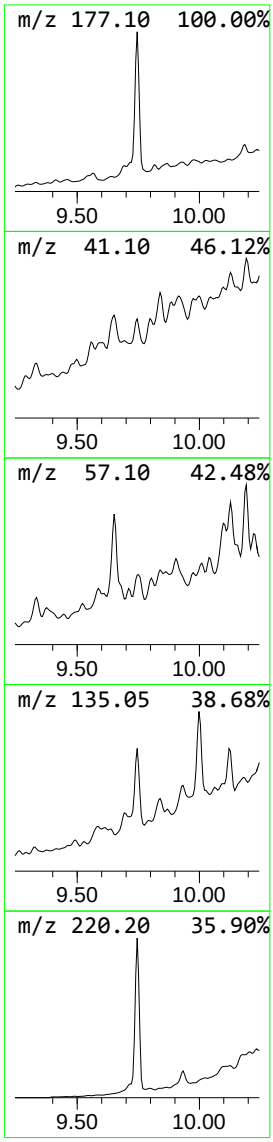
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 2,5-Cyclohexadiene-1,4-dion... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.745 | 10.89 ng | 1105710 | Acenaphthene-d10 | 9.928 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,5-Cyclohexadiene-1,4-dione, 2,... | 220 | C14H20O2 | 000719-22-2 | 93 |
| 2 | 2H-1-benzopyran-6-ol, 3,4-dihydr... | 220 | C14H20O2 | 1000396-25-4 | 55 |
| 3 | 2-Butanone, 3-(4-tert-butylpheno... | 220 | C14H20O2 | 160875-28-5 | 55 |
| 4 | Thiocoumarine, 4,4,6,7-tetramethyl- | 220 | C13H16OS | 1000128-90-2 | 53 |
| 5 | 2-Acetyl-3,4,5,6-tetrafluorobenz... | 220 | C9H4F4O2 | 1000461-12-2 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

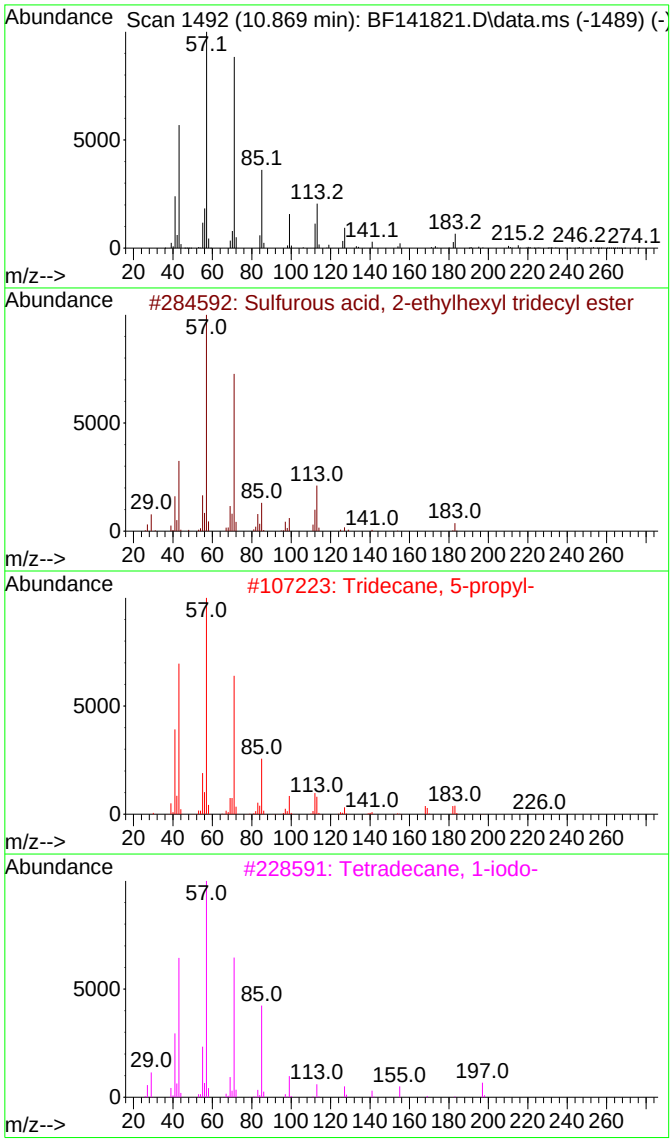
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

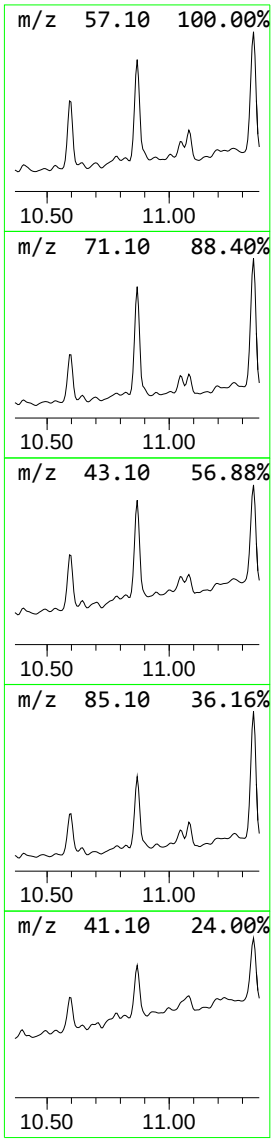
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 Sulfurous acid, 2-ethylhexy... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.869 | 20.00 ng | 6030580 | Phenanthrene-d10 | 11.433 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfurous acid, 2-ethylhexyl tri... | 376 | C21H44O3S | 1000309-19-6 | 72 |
| 2 | Tridecane, 5-propyl- | 226 | C16H34 | 055045-11-9 | 68 |
| 3 | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 53 |
| 4 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 53 |
| 5 | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40 | 001921-70-6 | 52 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141821.D
Acq On : 03 Mar 2025 19:14
Operator : RC/JU
Sample : Q1447-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
WC1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown6.145 | 6.145 | 6.0 | ng | 1807050 | 1 | 6.892 | 5986350 | 20.0 |
| Cyclohexane, 1-... | 6.634 | 6.0 | ng | 1783040 | 1 | 6.892 | 5986350 | 20.0 |
| Mesitylene | 6.722 | 12.0 | ng | 3589380 | 1 | 6.892 | 5986350 | 20.0 |
| unknown7.004 | 7.004 | 6.9 | ng | 2054030 | 1 | 6.892 | 5986350 | 20.0 |
| Cyclohexane, (2... | 7.039 | 9.0 | ng | 2689690 | 1 | 6.892 | 5986350 | 20.0 |
| 1-Dodecene | 7.163 | 7.1 | ng | 2124080 | 1 | 6.892 | 5986350 | 20.0 |
| Naphthalene, de... | 7.287 | 9.0 | ng | 2691960 | 1 | 6.892 | 5986350 | 20.0 |
| o-Cymene | 7.375 | 4.8 | ng | 1423050 | 1 | 6.892 | 5986350 | 20.0 |
| unknown7.534 | 7.534 | 18.1 | ng | 2473750 | 2 | 8.169 | 2729250 | 20.0 |
| Tridecane, 6-me... | 7.592 | 13.7 | ng | 1863490 | 2 | 8.169 | 2729250 | 20.0 |
| Decane, 3,7-dim... | 7.675 | 46.4 | ng | 6325800 | 2 | 8.169 | 2729250 | 20.0 |
| Cyclohexane, pe... | 7.792 | 15.9 | ng | 2169490 | 2 | 8.169 | 2729250 | 20.0 |
| unknown7.816 | 7.816 | 5.2 | ng | 704656 | 2 | 8.169 | 2729250 | 20.0 |
| Benzene, 1,2,4,... | 7.910 | 10.6 | ng | 1442920 | 2 | 8.169 | 2729250 | 20.0 |
| unknown8.104 | 8.104 | 11.7 | ng | 1589740 | 2 | 8.169 | 2729250 | 20.0 |
| unknown8.410 | 8.410 | 5.0 | ng | 676200 | 2 | 8.169 | 2729250 | 20.0 |
| Benzene, 1-cycl... | 9.563 | 18.9 | ng | 1921540 | 3 | 9.928 | 2030520 | 20.0 |
| Tetratetracontane | 9.651 | 22.7 | ng | 2301470 | 3 | 9.928 | 2030520 | 20.0 |
| 2,5-Cyclohexadi... | 9.745 | 10.9 | ng | 1105710 | 3 | 9.928 | 2030520 | 20.0 |
| Sulfurous acid,... | 10.869 | 20.0 | ng | 6030580 | 4 | 11.433 | 6030580 | 20.0 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141825.D
Acq On : 04 Mar 2025 14:15
Operator : RC/JU
Sample : PB166957BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166957BL

Quant Time: Mar 04 14:44:46 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

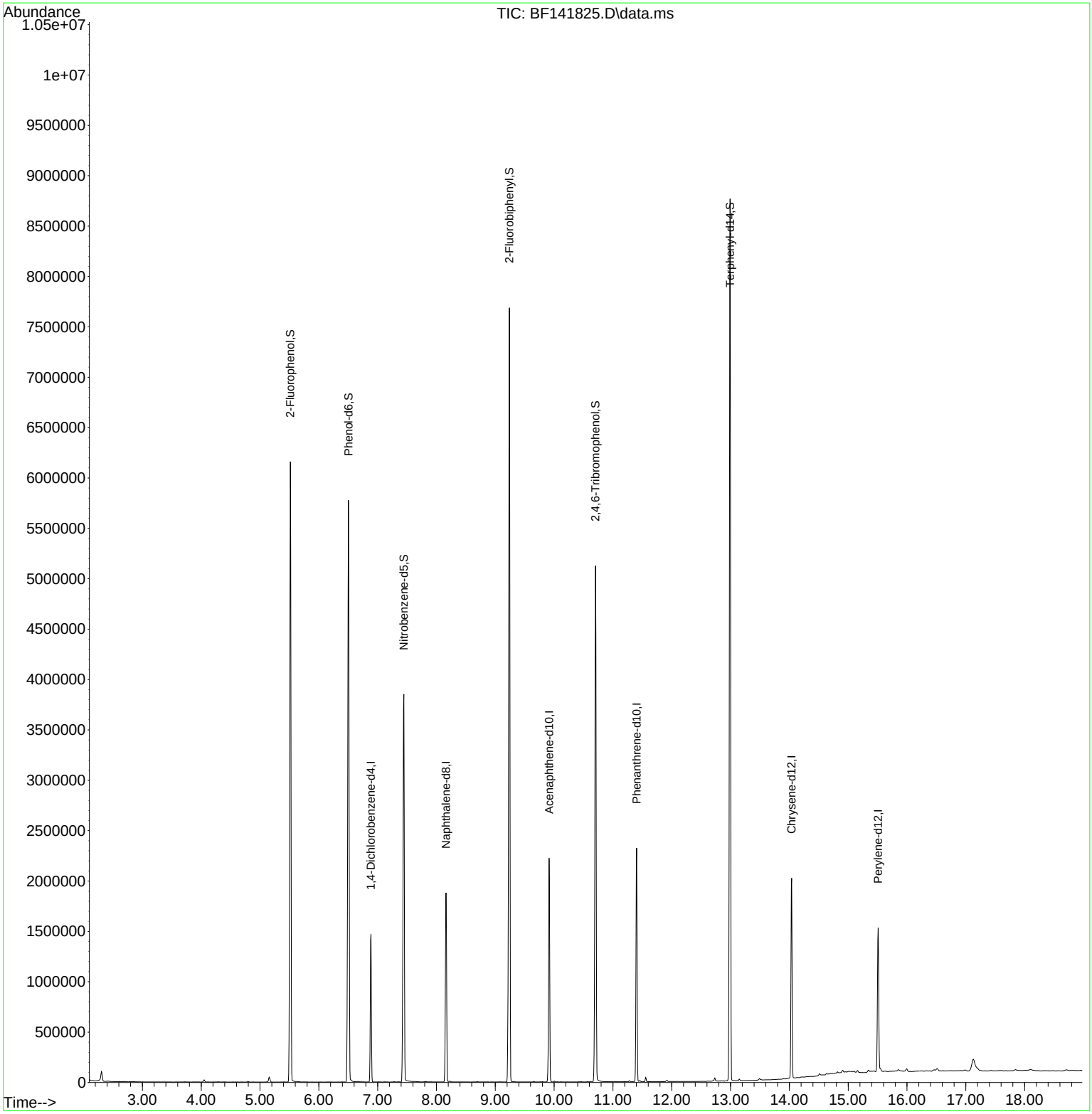
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.887 | 152 | 311350 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.163 | 136 | 1222403 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.916 | 164 | 667294 | 20.000 | ng | -0.01 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 1172173 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.039 | 240 | 949625 | 20.000 | ng | -0.01 |
| 86) Perylene-d12 | 15.509 | 264 | 798686 | 20.000 | ng | -0.01 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.516 | 112 | 2432538 | 124.771 | ng | 0.02 |
| 7) Phenol-d6 | 6.504 | 99 | 3022065 | 119.092 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.445 | 82 | 1945265 | 101.719 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.704 | 330 | 895521 | 142.948 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 9.239 | 172 | 3655439 | 87.837 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.992 | 244 | 4392756 | 74.841 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |

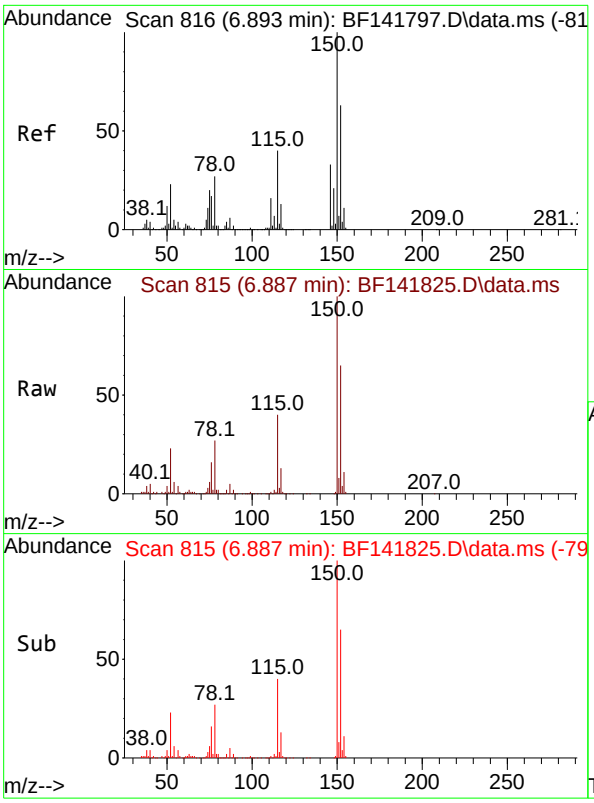
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141825.D
Acq On : 04 Mar 2025 14:15
Operator : RC/JU
Sample : PB166957BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166957BL

Quant Time: Mar 04 14:44:46 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



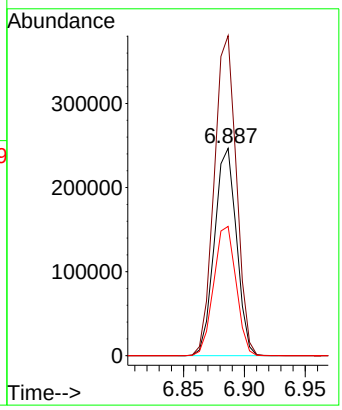


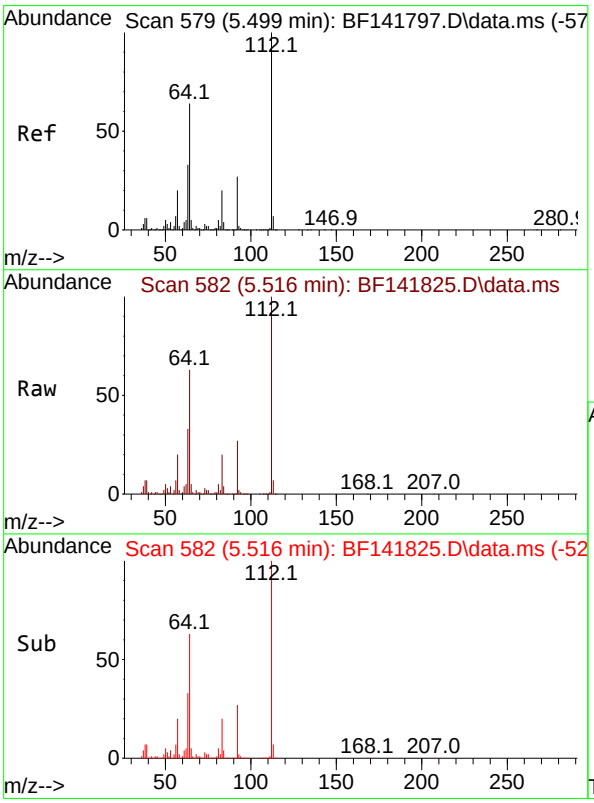

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

**Instrument :**
BNA_F
**ClientSampleId :**
PB166957BL

Tgt Ion:152 Resp: 311350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.3 | 127.5 | 191.3 |
| 115 | 62.3 | 51.4 | 77.2 |

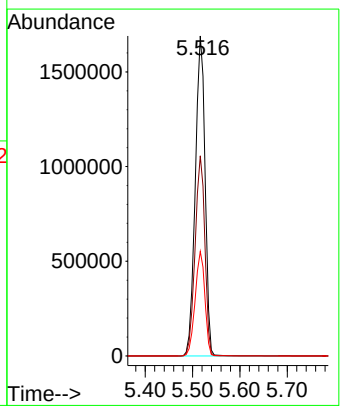


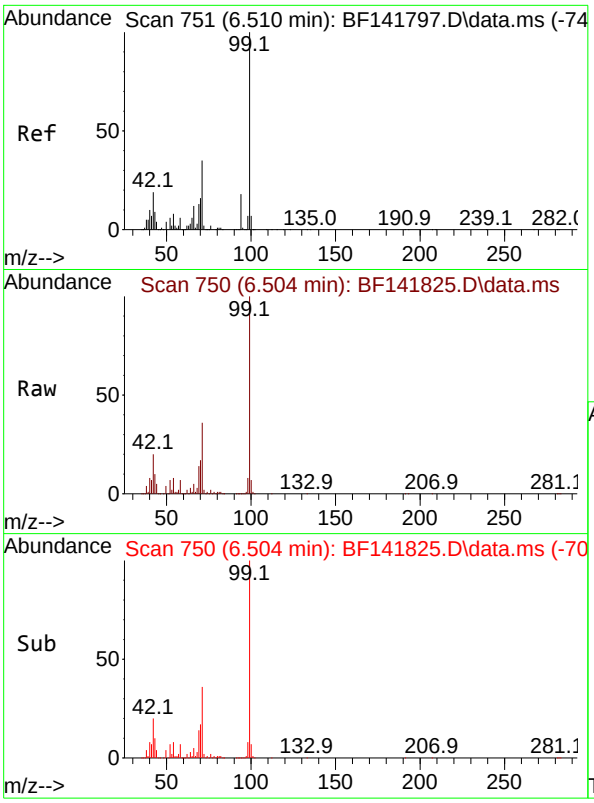




#5
2-Fluorophenol
Concen: 124.771 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.017 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Tgt Ion:112 Resp: 2432538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 62.5 | 51.3 | 76.9 |
| 63 | 32.7 | 26.2 | 39.4 |



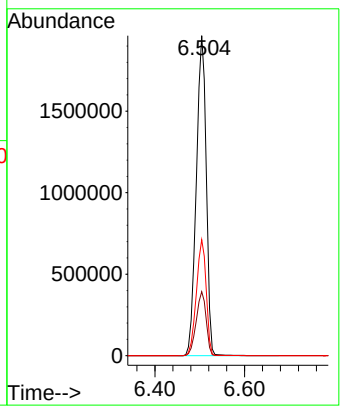


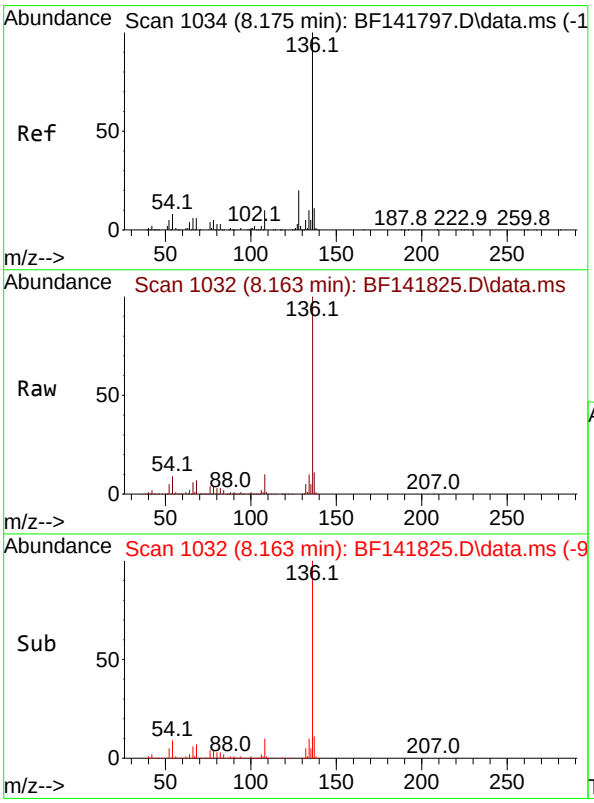

#7
Phenol-d6
Concen: 119.092 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

**Instrument :**
BNA_F
**ClientSampleId :**
PB166957BL

Tgt Ion: 99 Resp: 3022065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.0 | 15.2 | 22.8 |
| 71 | 36.3 | 28.2 | 42.2 |

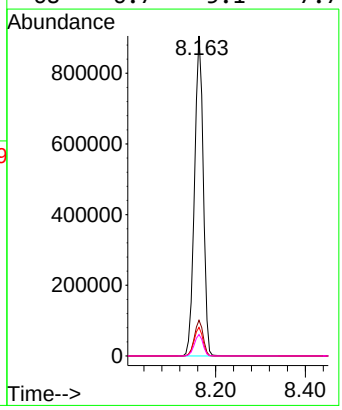


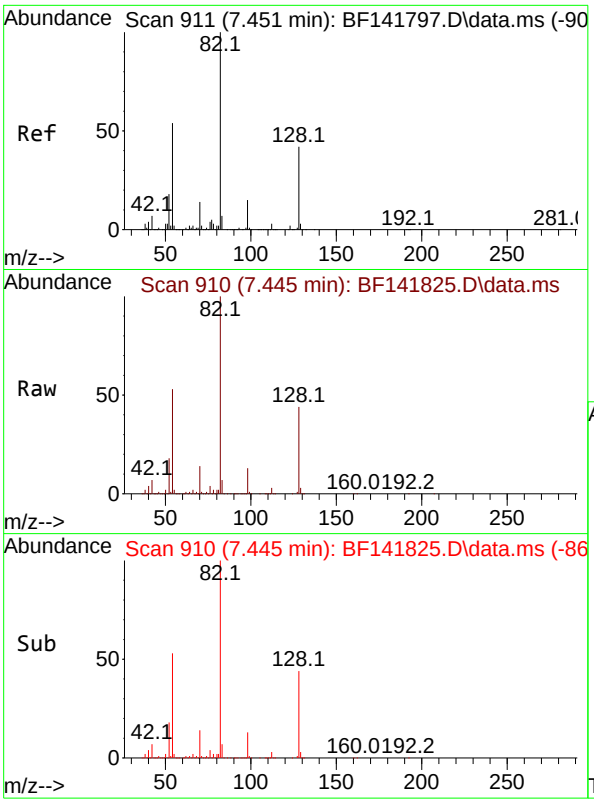




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Tgt Ion:136 Resp: 1222403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.9 | 13.3 |
| 54 | 8.9 | 6.9 | 10.3 |
| 68 | 6.7 | 5.1 | 7.7 |



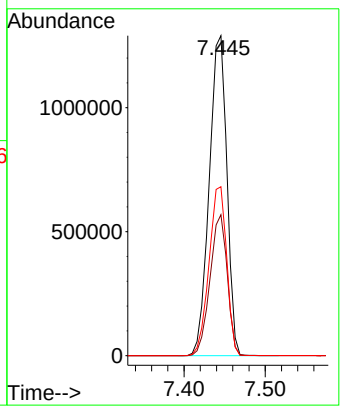


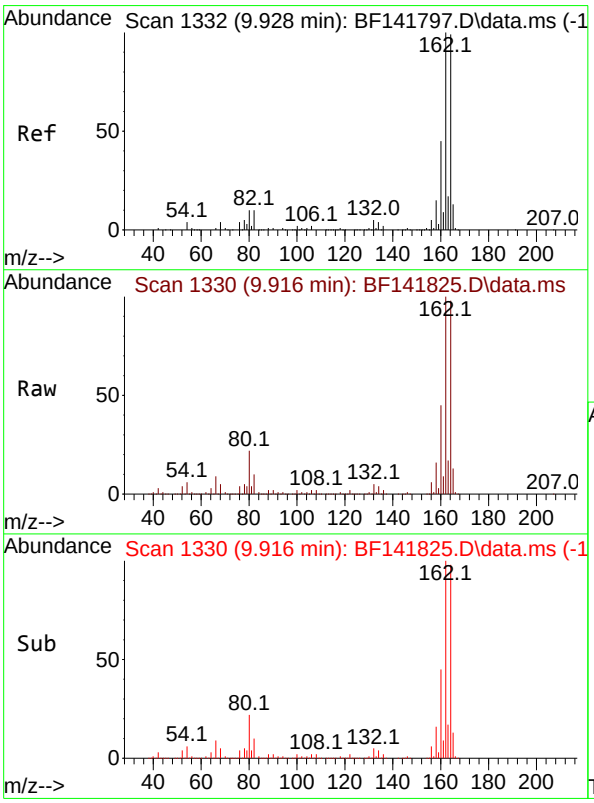

#23
Nitrobenzene-d5
Concen: 101.719 ng
RT: 7.445 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

**Instrument :**
BNA_F
**ClientSampleId :**
PB166957BL

Tgt Ion: 82 Resp: 1945265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.0 | 33.5 | 50.3 |
| 54 | 52.8 | 42.7 | 64.1 |

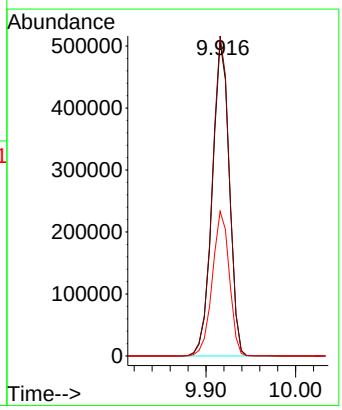


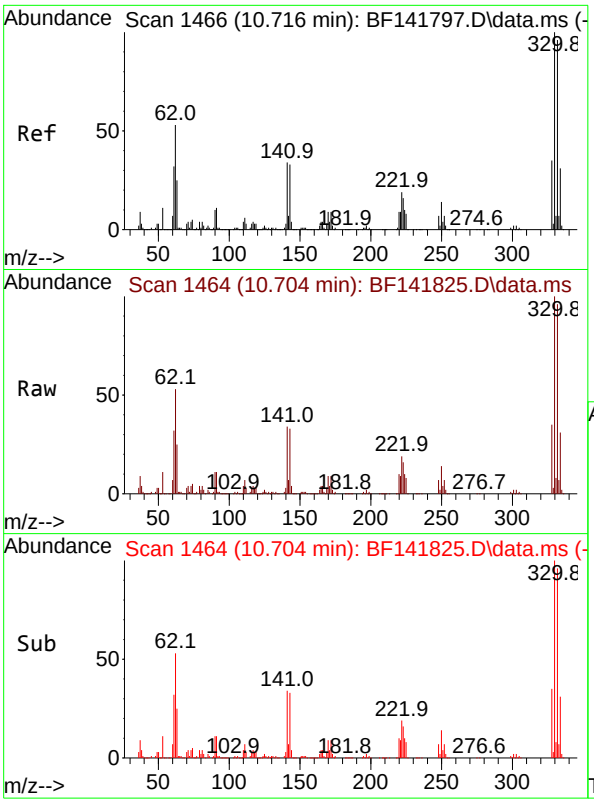




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Tgt Ion:164 Resp: 667294

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.8 | 80.6 | 120.8 |
| 160 | 46.0 | 36.3 | 54.5 |



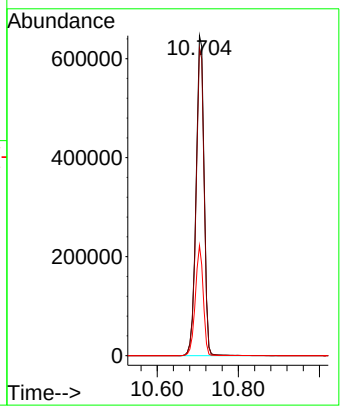


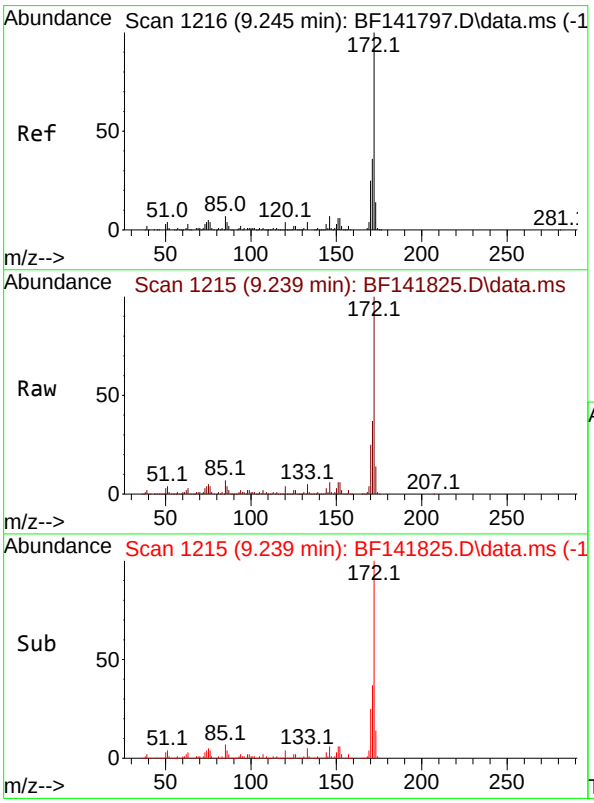

#42
2,4,6-Tribromophenol
Concen: 142.948 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

**Instrument :**
BNA_F
**ClientSampleId :**
PB166957BL

Tgt Ion:330 Resp: 895521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 76.6 | 115.0 |
| 141 | 33.9 | 29.0 | 43.4 |

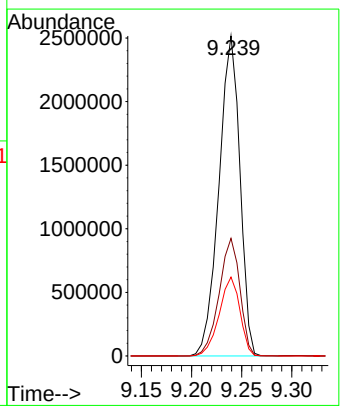


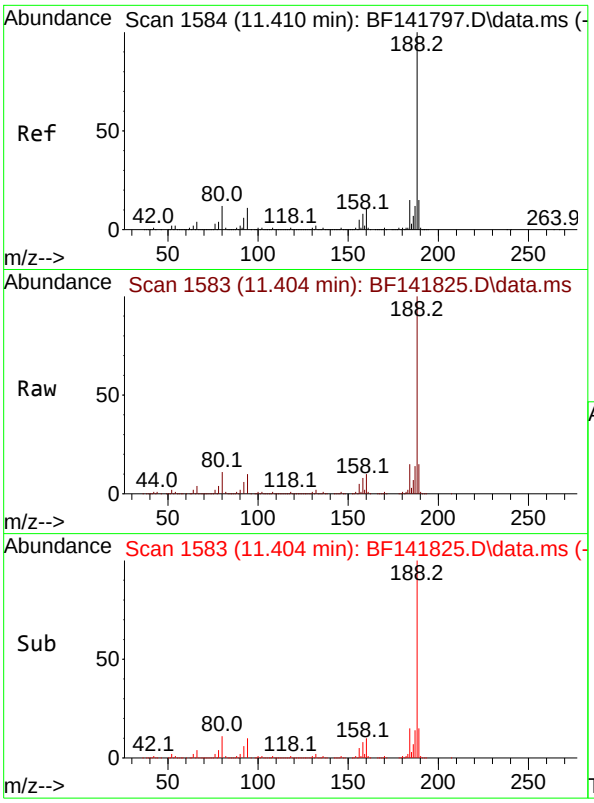




#45
2-Fluorobiphenyl
Concen: 87.837 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Tgt Ion:172 Resp: 3655439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.8 | 29.2 | 43.8 |
| 170 | 24.6 | 19.7 | 29.5 |



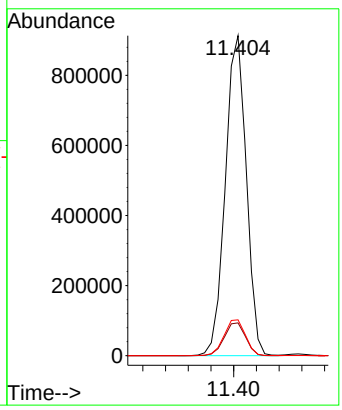


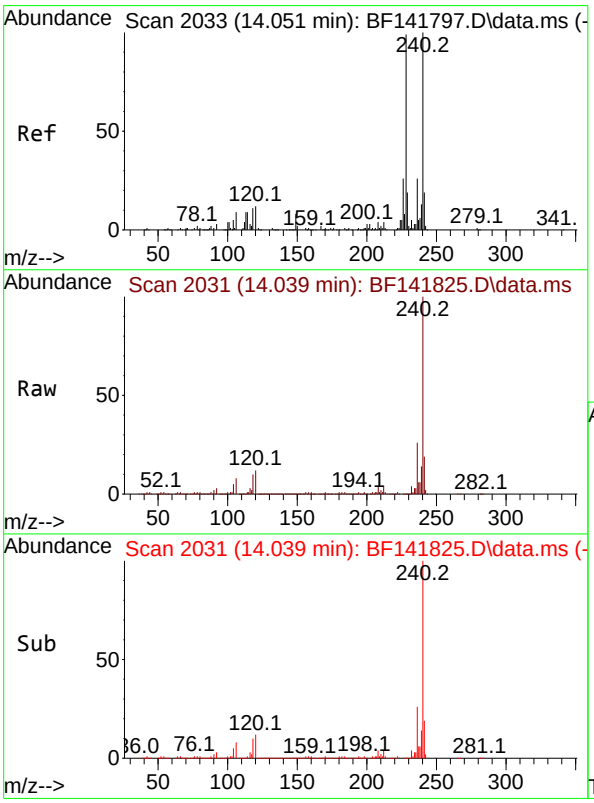

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

**Instrument :**
BNA_F
**ClientSampleId :**
PB166957BL

Tgt Ion:188 Resp: 1172173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.2 | 8.9 | 13.3 |
| 80 | 11.2 | 9.7 | 14.5 |

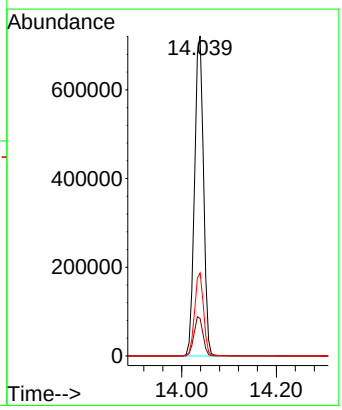


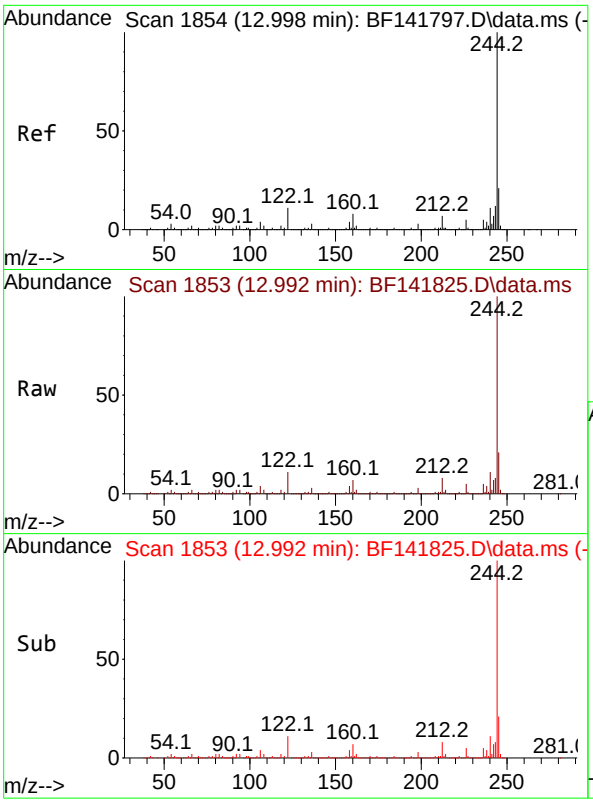




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Tgt Ion:240 Resp: 949625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.7 | 9.7 | 14.5 |
| 236 | 26.0 | 21.0 | 31.4 |



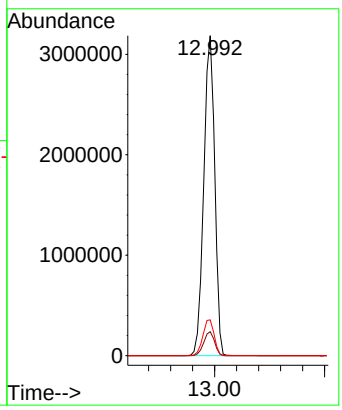


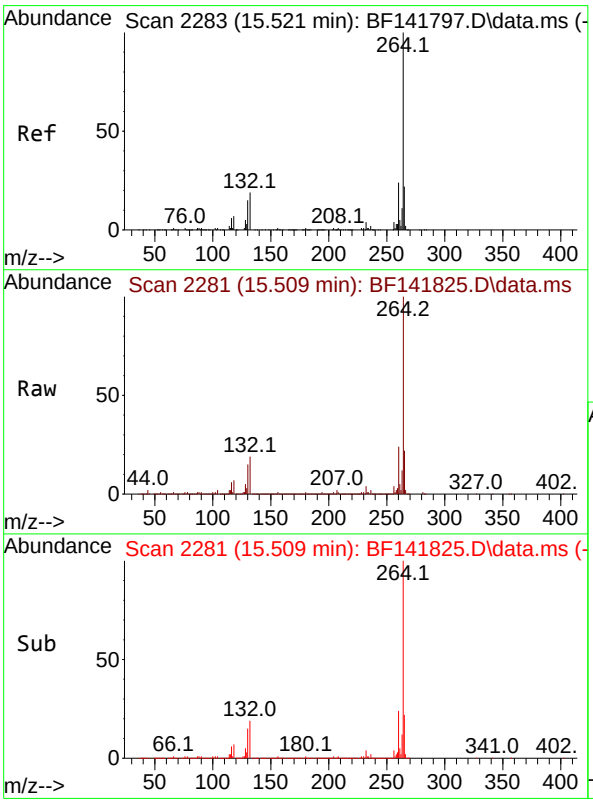

#79
Terphenyl-d14
Concen: 74.841 ng
RT: 12.992 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

**Instrument :**
BNA_F
**ClientSampleId :**
PB166957BL

Tgt Ion:244 Resp: 4392756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 6.0 | 9.0 |
| 122 | 11.2 | 9.0 | 13.6 |

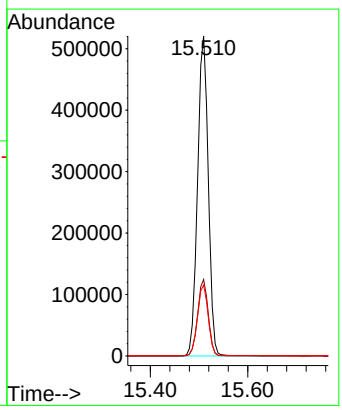



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. -0.012 min
Lab File: BF141825.D
Acq: 04 Mar 2025 14:15

Tgt Ion:264 Resp: 798686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 18.9 | 28.3 |
| 265 | 22.2 | 17.4 | 26.0 |



Sample Results: **BF141825.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141825.D
Acq On : 04 Mar 2025 14:15
Operator : RC/JU
Sample : PB166957BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166957BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141825.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.304 | 30 | 36 | 46 | rVB | 97038 | 175727 | 1.45% | 0.253% |
| 2 | 5.516 | 575 | 582 | 587 | rBV | 6158503 | 8787423 | 72.73% | 12.662% |
| 3 | 6.504 | 742 | 750 | 755 | rBV | 5773518 | 8822327 | 73.02% | 12.713% |
| 4 | 6.887 | 809 | 815 | 820 | rBV | 1467071 | 1879167 | 15.55% | 2.708% |
| 5 | 7.445 | 902 | 910 | 915 | rBV | 3849584 | 5813337 | 48.11% | 8.377% |
| 6 | 8.163 | 1025 | 1032 | 1037 | rBV | 1877477 | 2521176 | 20.87% | 3.633% |
| 7 | 9.239 | 1207 | 1215 | 1220 | rBV | 7684662 | 11094651 | 91.83% | 15.987% |
| 8 | 9.916 | 1322 | 1330 | 1335 | rBV | 2220245 | 2919367 | 24.16% | 4.207% |
| 9 | 10.704 | 1456 | 1464 | 1469 | rBV | 5122588 | 7023179 | 58.13% | 10.120% |
| 10 | 11.404 | 1575 | 1583 | 1588 | rBV | 2318567 | 2997849 | 24.81% | 4.320% |
| 11 | 12.992 | 1846 | 1853 | 1858 | rBV | 8752830 | 12082313 | 100.00% | 17.410% |
| 12 | 14.039 | 2025 | 2031 | 2036 | rBV | 1983555 | 2633715 | 21.80% | 3.795% |
| 13 | 15.510 | 2274 | 2281 | 2287 | rBV | 1427351 | 2206518 | 18.26% | 3.179% |
| 14 | 17.127 | 2550 | 2556 | 2576 | rVB2 | 112504 | 441842 | 3.66% | 0.637% |

Sum of corrected areas: 69398591

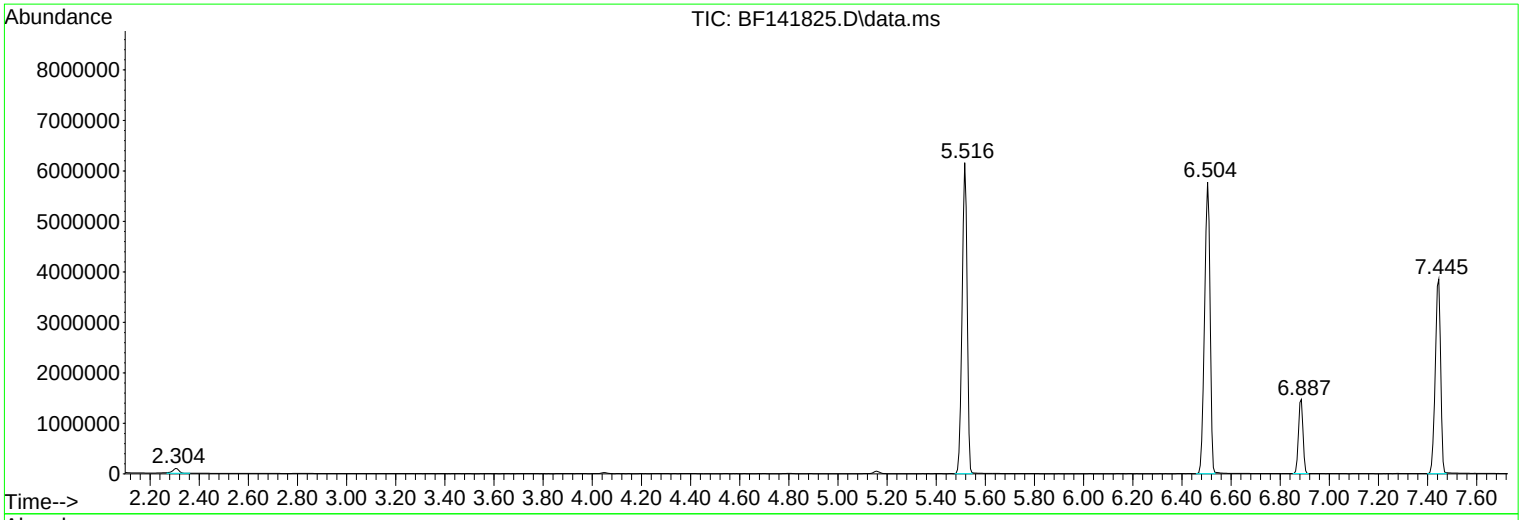
Sample Results: **BF141825.D**

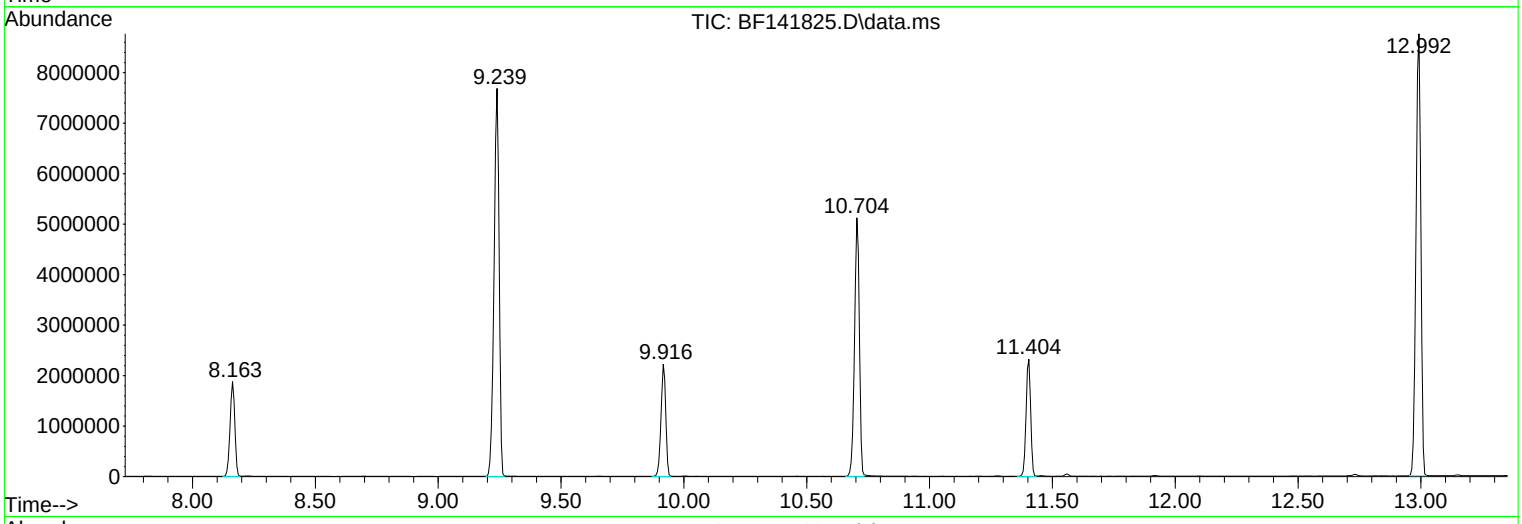
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141825.D
Acq On : 04 Mar 2025 14:15
Operator : RC/JU
Sample : PB166957BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

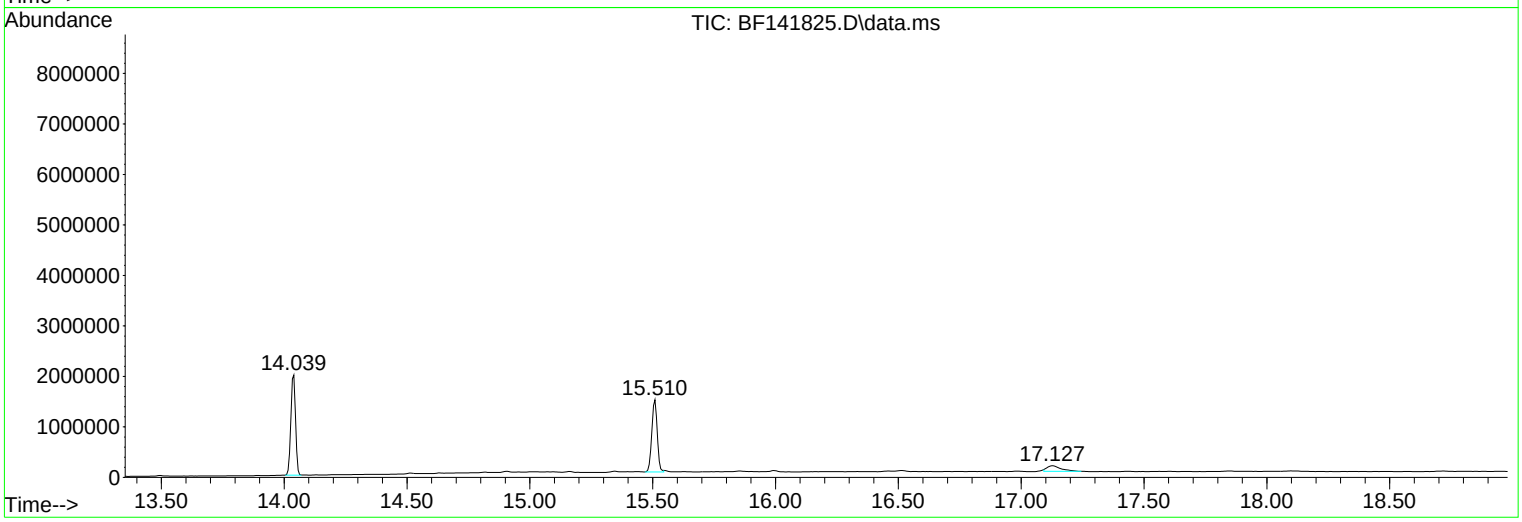
**Instrument :**
BNA_F
**ClientSampleId :**
PB166957BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141825.D
Acq On : 04 Mar 2025 14:15
Operator : RC/JU
Sample : PB166957BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166957BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

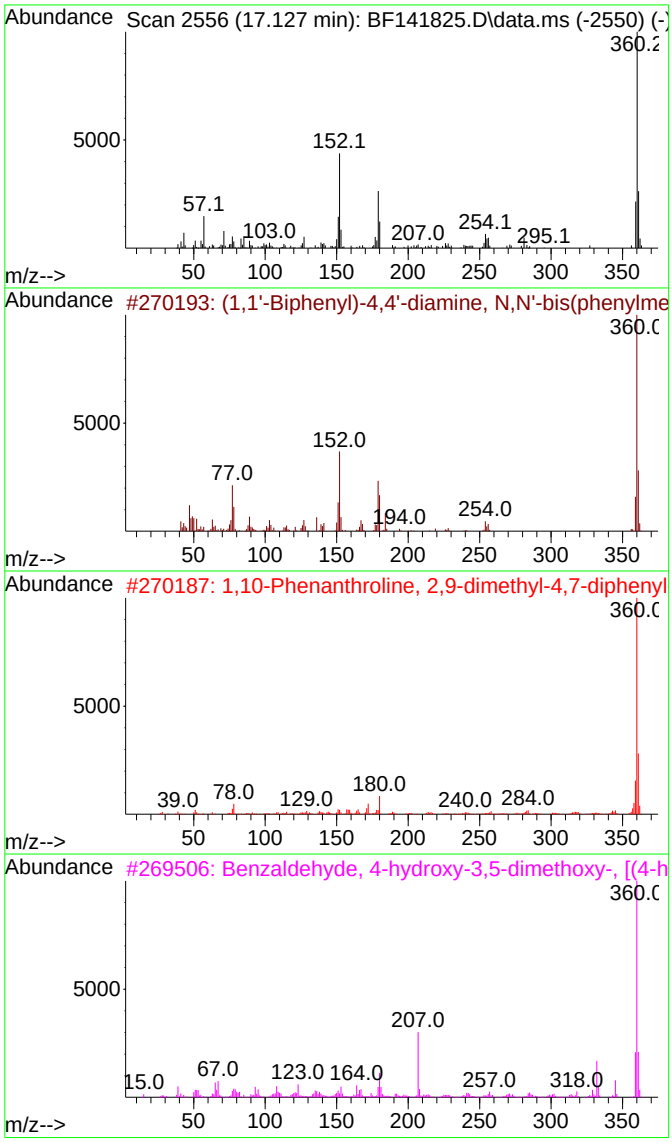
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

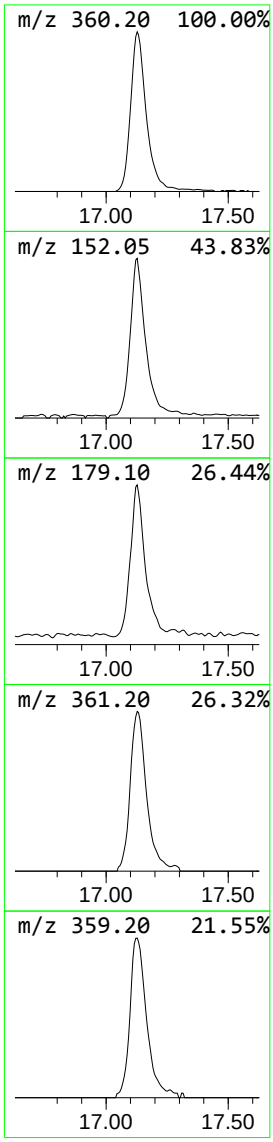
**********

Peak Number 1 (1,1'-Biphenyl)-4,4'-diamin... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.127 | 4.00 ng | 441842 | Perylene-d12 | 15.509 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (1,1'-Biphenyl)-4,4'-diamine, N,... | 360 | C26H20N2 | 006311-48-4 | 93 |
| 2 | 1,10-Phenanthroline, 2,9-dimethy... | 360 | C26H20N2 | 004733-39-5 | 53 |
| 3 | Benzaldehyde, 4-hydroxy-3,5-dime... | 360 | C18H20N2O6 | 014414-32-5 | 49 |
| 4 | N,N'-di-2-Naphthyl-p-phenylenedi... | 360 | C26H20N2 | 000093-46-9 | 46 |
| 5 | Ethene, 1-(anthracen-9-yl)-2-(4-... | 360 | C27H20O | 1000163-55-1 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141825.D
Acq On : 04 Mar 2025 14:15
Operator : RC/JU
Sample : PB166957BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB166957BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| (1,1'-Biphenyl)... | 17.127 | 4.0 | ng | 441842 | 6 | 15.509 | 2206520 | 20.0 |

Sample Results: **BF141826.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141826.D
Acq On : 04 Mar 2025 14:44
Operator : RC/JU
Sample : PB166957BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 04 15:06:47 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 :**
PB166957BS

**Manual Integrations APPROVED**
Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.887 | 152 | 309118 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.169 | 136 | 1216990 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.922 | 164 | 647778 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.404 | 188 | 1070678 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.045 | 240 | 723159 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.509 | 264 | 587091 | 20.000 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.516 | 112 | 2428234 | 125.449 | ng | | 0.02 |
| 7) Phenol-d6 | 6.510 | 99 | 3110955 | 123.480 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.445 | 82 | 1985045 | 104.261 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 891755 | 146.635 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.239 | 172 | 3638167 | 90.056 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.992 | 244 | 3981121 | 89.069 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.810 | 88 | 343919 | 39.158 | ng | | 99 |
| 3) Pyridine | 3.563 | 79 | 850208 | 38.906 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.504 | 42 | 451717 | 42.961 | ng | | 94 |
| 6) Aniline | 6.551 | 93 | 867546 | 33.122 | ng | | 100 |
| 8) 2-Chlorophenol | 6.669 | 128 | 900005 | 42.982 | ng | | 98 |
| 9) Benzaldehyde | 6.434 | 77 | 363128 | 24.779 | ng | | 99 |
| 10) Phenol | 6.522 | 94 | 1102271 | 40.943 | ng | | 97 |
| 11) bis(2-Chloroethyl)ether | 6.622 | 93 | 848479 | 41.346 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.828 | 146 | 927514 | 41.363 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.904 | 146 | 940287 | 41.616 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.057 | 146 | 908206 | 43.046 | ng | | 99 |
| 15) Benzyl Alcohol | 7.022 | 79 | 806132 | 40.036 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 1285320 | 41.242 | ng | | 99 |
| 17) 2-Methylphenol | 7.134 | 107 | 738248 | 42.714 | ng | | 99 |
| 18) Hexachloroethane | 7.398 | 117 | 351592 | 41.576 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 7.298 | 70 | 648751 | 39.172 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.287 | 107 | 897325 | 41.694 | ng | # | 82 |
| 22) Acetophenone | 7.292 | 105 | 1326666 | 44.759 | ng | | 97 |
| 24) Nitrobenzene | 7.469 | 77 | 938224 | 46.018 | ng | | 100 |
| 25) Isophorone | 7.704 | 82 | 1752788 | 42.852 | ng | | 100 |
| 26) 2-Nitrophenol | 7.781 | 139 | 410123 | 45.311 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 785686 | 52.255 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.916 | 93 | 1057325 | 40.523 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 8.016 | 162 | 740307 | 42.679 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.104 | 180 | 793857 | 41.766 | ng | | 99 |
| 31) Naphthalene | 8.186 | 128 | 2527358 | 40.407 | ng | | 100 |
| 32) Benzoic acid | 7.934 | 122 | 600862 | 47.899 | ng | | 97 |
| 33) 4-Chloroaniline | 8.233 | 127 | 345693 | 15.073 | ng | | 99 |
| 34) Hexachlorobutadiene | 8.304 | 225 | 491553 | 41.617 | ng | | 98 |
| 35) Caprolactam | 8.604 | 113 | 261127m | 48.936 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 794276 | 41.221 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.881 | 142 | 1606734 | 39.163 | ng | | 100 |
| 38) 1-Methylnaphthalene | 8.980 | 142 | 1574965 | 40.008 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.045 | 216 | 853302 | 45.610 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.033 | 237 | 1098585 | 140.707 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 9.151 | 196 | 538491 | 44.559 | ng | | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141826.D
Acq On : 04 Mar 2025 14:44
Operator : RC/JU
Sample : PB166957BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 04 15:06:47 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 :**
PB166957BS

**Manual Integrations APPROVED**
Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.192 | 196 | 545918 | 45.619 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.345 | 154 | 2247408 | 45.581 | ng | | 100 |
| 47) 2-Chloronaphthalene | 9.369 | 162 | 1567251 | 43.066 | ng | | 98 |
| 48) 2-Nitroaniline | 9.457 | 65 | 478794 | 48.059 | ng | | 99 |
| 49) Acenaphthylene | 9.786 | 152 | 2419425 | 44.342 | ng | | 100 |
| 50) Dimethylphthalate | 9.645 | 163 | 1793109 | 41.335 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.704 | 165 | 381103 | 46.046 | ng | | 95 |
| 52) Acenaphthene | 9.957 | 154 | 1709248 | 46.426 | ng | | 99 |
| 53) 3-Nitroaniline | 9.869 | 138 | 240809 | 28.525 | ng | # | 97 |
| 54) 2,4-Dinitrophenol | 9.975 | 184 | 397720 | 97.096 | ng | # | 1 |
| 55) Dibenzofuran | 10.127 | 168 | 2159728 | 40.304 | ng | | 100 |
| 56) 4-Nitrophenol | 10.028 | 139 | 728478 | 113.699 | ng | | 96 |
| 57) 2,4-Dinitrotoluene | 10.104 | 165 | 516243 | 50.715 | ng | | 98 |
| 58) Fluorene | 10.469 | 166 | 1673154 | 41.684 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.239 | 232 | 453528 | 43.576 | ng | | 99 |
| 60) Diethylphthalate | 10.345 | 149 | 1736070 | 39.920 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204 | 820428 | 40.795 | ng | | 99 |
| 62) 4-Nitroaniline | 10.486 | 138 | 402567 | 54.340 | ng | | 96 |
| 63) Azobenzene | 10.622 | 77 | 1798212 | 39.271 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 251389 | 49.545 | ng | | 99 |
| 66) n-Nitrosodiphenylamine | 10.580 | 169 | 1482764 | 42.175 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.951 | 248 | 520971 | 41.658 | ng | | 98 |
| 68) Hexachlorobenzene | 11.016 | 284 | 562016 | 42.558 | ng | | 99 |
| 69) Atrazine | 11.104 | 200 | 560941 | 58.020 | ng | | 98 |
| 70) Pentachlorophenol | 11.210 | 266 | 730696 | 87.240 | ng | | 100 |
| 71) Phenanthrene | 11.433 | 178 | 2435929 | 42.534 | ng | | 100 |
| 72) Anthracene | 11.486 | 178 | 2486891 | 43.327 | ng | | 100 |
| 73) Carbazole | 11.633 | 167 | 2212995 | 43.660 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.969 | 149 | 2543275 | 39.584 | ng | | 100 |
| 75) Fluoranthene | 12.616 | 202 | 2525462 | 43.036 | ng | | 99 |
| 77) Benzidine | 12.733 | 184 | 831114 | 91.311 | ng | | 99 |
| 78) Pyrene | 12.845 | 202 | 2573723 | 41.100 | ng | | 100 |
| 80) Butylbenzylphthalate | 13.463 | 149 | 1003521 | 44.108 | ng | | 100 |
| 81) Benzo(a)anthracene | 14.033 | 228 | 1997580 | 41.820 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 13.992 | 252 | 372226 | 27.161 | ng | | 100 |
| 83) Chrysene | 14.068 | 228 | 1825435 | 41.457 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 14.021 | 149 | 1263650 | 44.606 | ng | | 99 |
| 85) Di-n-octyl phthalate | 14.633 | 149 | 1842435 | 43.441 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 17.004 | 276 | 1654234 | 44.250 | ng | | 99 |
| 88) Benzo(b)fluoranthene | 15.080 | 252 | 1687386 | 42.194 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 15.110 | 252 | 1380109 | 40.603 | ng | | 99 |
| 90) Benzo(a)pyrene | 15.451 | 252 | 1432461 | 44.664 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 17.021 | 278 | 1316988 | 43.159 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.451 | 276 | 1291482 | 41.312 | ng | | 99 |

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

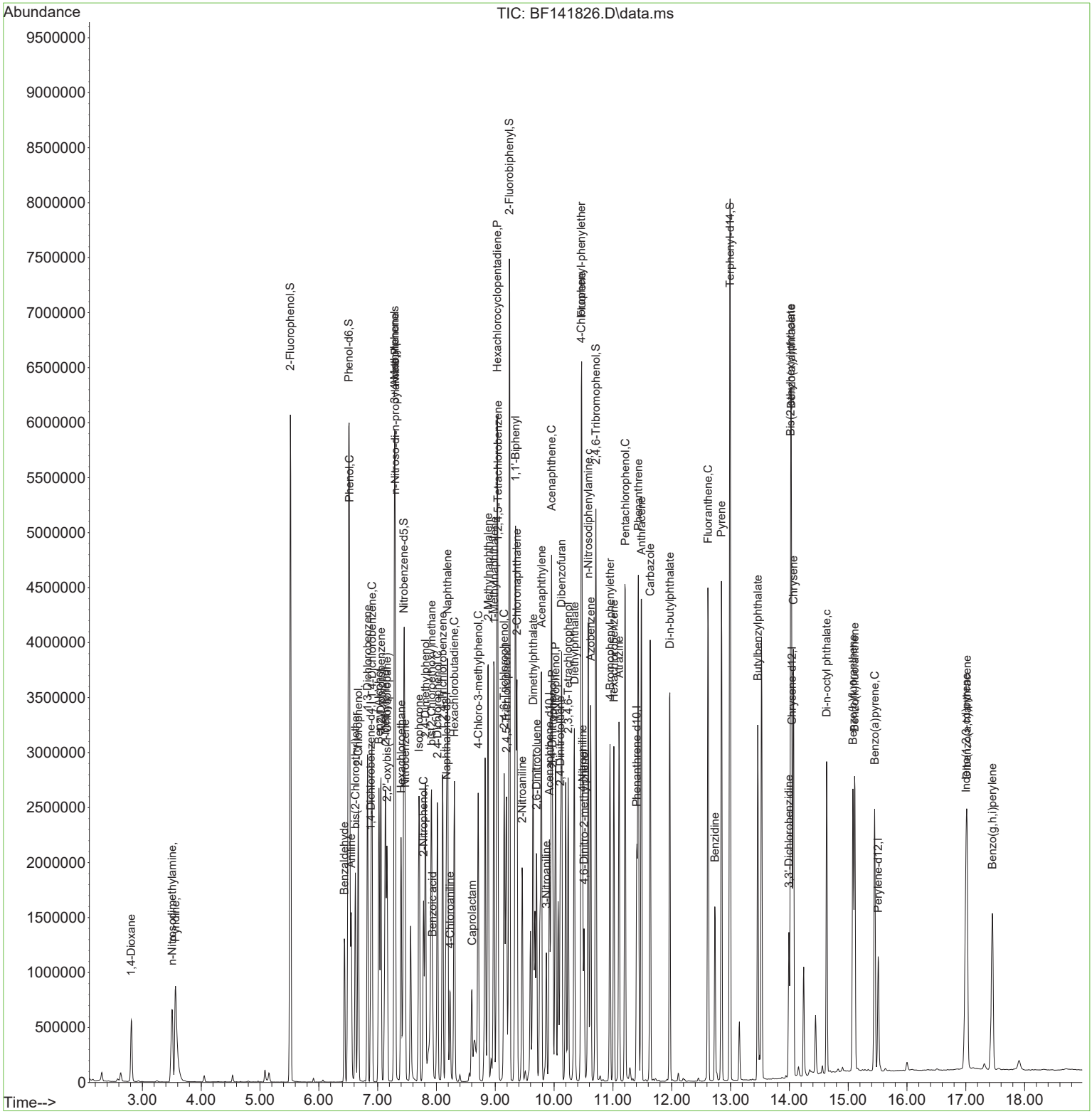
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
Data File : BF141826.D
Acq On : 04 Mar 2025 14:44
Operator : RC/JU
Sample : PB166957BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 04 15:06:47 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 :**
PB166957BS

**Manual Integrations APPROVED**

Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025



Sample Results: **BF141819.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141819.D
Acq On : 03 Mar 2025 18:16
Operator : RC/JU
Sample : Q1475-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 04 00:12:41 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 :**
TR-04-02282025MS

**Manual Integrations APPROVED**
Reviewed By :Anahy Claudio 03/04/2025
Supervised By :Jagrut Upadhyay 03/04/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.887 | 152 | 111069 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.169 | 136 | 466588 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.922 | 164 | 292659 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 567711 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.051 | 240 | 381619 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 15.527 | 264 | 352598 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 790128 | 113.607 | ng | | 0.00 |
| 7) Phenol-d6 | 6.498 | 99 | 1046994 | 115.659 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.445 | 82 | 621192 | 85.100 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 368150 | 133.993 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.245 | 172 | 1351607 | 74.053 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.998 | 244 | 1830573 | 77.609 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.616 | 88 | 131727 | 41.742 | ng | | 96 |
| 3) Pyridine | 3.393 | 79 | 314690 | 40.078 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.322 | 42 | 158771m | 42.025 | ng | | |
| 6) Aniline | 6.545 | 93 | 245194 | 26.054 | ng | | 99 |
| 8) 2-Chlorophenol | 6.669 | 128 | 329092 | 43.742 | ng | | 97 |
| 9) Benzaldehyde | 6.434 | 77 | 124013 | 23.552 | ng | | 99 |
| 10) Phenol | 6.516 | 94 | 446333 | 46.141 | ng | | 94 |
| 11) bis(2-Chloroethyl)ether | 6.616 | 93 | 313865 | 42.566 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 6.828 | 146 | 346113 | 42.957 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 6.904 | 146 | 348203 | 42.891 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 7.057 | 146 | 336988 | 44.453 | ng | | 99 |
| 15) Benzyl Alcohol | 7.022 | 79 | 296892 | 41.037 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 483054 | 43.137 | ng | | 97 |
| 17) 2-Methylphenol | 7.128 | 107 | 275526 | 44.367 | ng | | 99 |
| 18) Hexachloroethane | 7.404 | 117 | 129709 | 42.688 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.292 | 70 | 249193 | 41.876 | ng | | 98 |
| 20) 3+4-Methylphenols | 7.281 | 107 | 368849 | 47.698 | ng | | 95 |
| 22) Acetophenone | 7.292 | 105 | 523320 | 46.051 | ng | # | 97 |
| 24) Nitrobenzene | 7.463 | 77 | 359391 | 45.977 | ng | | 99 |
| 25) Isophorone | 7.704 | 82 | 675743 | 43.090 | ng | | 100 |
| 26) 2-Nitrophenol | 7.781 | 139 | 138674 | 40.499 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 7.810 | 122 | 303781 | 52.698 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 7.916 | 93 | 402295 | 40.215 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 8.016 | 162 | 296348 | 44.562 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.110 | 180 | 301771 | 41.411 | ng | | 99 |
| 31) Naphthalene | 8.192 | 128 | 1070374 | 44.635 | ng | | 99 |
| 32) Benzoic acid | 7.898 | 122 | 217073 | 45.579 | ng | | 98 |
| 33) 4-Chloroaniline | 8.234 | 127 | 144256 | 16.406 | ng | | 98 |
| 34) Hexachlorobutadiene | 8.310 | 225 | 179837 | 39.713 | ng | | 98 |
| 35) Caprolactam | 8.581 | 113 | 128944m | 63.028 | ng | | |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 356381 | 48.241 | ng | | 96 |
| 37) 2-Methylnaphthalene | 8.881 | 142 | 727188 | 46.231 | ng | | 99 |
| 38) 1-Methylnaphthalene | 8.981 | 142 | 717379 | 47.532 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 9.045 | 216 | 369518 | 43.718 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 9.033 | 237 | 299195 | 84.821 | ng | | 99 |
| 43) 2,4,6-Trichlorophenol | 9.151 | 196 | 233014 | 42.678 | ng | | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141819.D
Acq On : 03 Mar 2025 18:16
Operator : RC/JU
Sample : Q1475-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 04 00:12:41 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 :**
TR-04-02282025MS

**Manual Integrations APPROVED**

Reviewed By :Anahy Claudio 03/04/2025
Supervised By :Jagrut Upadhyay 03/04/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.192 | 196 | 260340 | 48.153 | ng | | 98 |
| 46) 1,1'-Biphenyl | 9.345 | 154 | 1030482 | 46.260 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.369 | 162 | 701548 | 42.670 | ng | | 99 |
| 48) 2-Nitroaniline | 9.457 | 65 | 223360 | 49.483 | ng | | 99 |
| 49) Acenaphthylene | 9.786 | 152 | 1199203 | 48.648 | ng | | 99 |
| 50) Dimethylphthalate | 9.639 | 163 | 836889 | 42.701 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 9.704 | 165 | 180021 | 48.014 | ng | | 97 |
| 52) Acenaphthene | 9.957 | 154 | 1045381 | 62.849 | ng | | 100 |
| 53) 3-Nitroaniline | 9.869 | 138 | 157651 | 40.002 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 9.975 | 184 | 152497 | 86.204 | ng | # | 1 |
| 55) Dibenzofuran | 10.128 | 168 | 1238567 | 51.160 | ng | | 99 |
| 56) 4-Nitrophenol | 10.022 | 139 | 400749 | 138.445 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 10.104 | 165 | 267822 | 57.713 | ng | | 98 |
| 58) Fluorene | 10.475 | 166 | 1178302 | 64.976 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232 | 237587 | 50.528 | ng | | 98 |
| 60) Diethylphthalate | 10.345 | 149 | 886191 | 45.104 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.463 | 204 | 408016 | 44.907 | ng | | 98 |
| 62) 4-Nitroaniline | 10.480 | 138 | 212905 | 63.611 | ng | | 95 |
| 63) Azobenzene | 10.627 | 77 | 1091361 | 52.755 | ng | | 88 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 105351 | 40.862 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 10.580 | 169 | 789648 | 42.359 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248 | 269414 | 40.629 | ng | | 98 |
| 68) Hexachlorobenzene | 11.022 | 284 | 299291 | 42.742 | ng | | 99 |
| 69) Atrazine | 11.110 | 200 | 312250 | 60.911 | ng | | 99 |
| 70) Pentachlorophenol | 11.210 | 266 | 393328 | 88.566 | ng | | 100 |
| 71) Phenanthrene | 11.439 | 178 | 3880123 | 127.775 | ng | | 98 |
| 72) Anthracene | 11.492 | 178 | 2336827 | 76.782 | ng | | 100 |
| 73) Carbazole | 11.639 | 167 | 1701875 | 63.323 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.974 | 149 | 1549577 | 45.486 | ng | | 99 |
| 75) Fluoranthene | 12.627 | 202 | 4549513 | 146.212 | ng | | 98 |
| 77) Benzidine | 12.745 | 184 | 565563 | 117.747 | ng | | 99 |
| 78) Pyrene | 12.857 | 202 | 3986724 | 120.642 | ng | | 96 |
| 80) Butylbenzylphthalate | 13.474 | 149 | 593087 | 49.398 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.045 | 228 | 2752621 | 109.202 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 14.004 | 252 | 187817 | 25.971 | ng | | 99 |
| 83) Chrysene | 14.080 | 228 | 2143918 | 92.267 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149 | 795583 | 53.218 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.645 | 149 | 1273243 | 56.889 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.021 | 276 | 1333661 | 59.400 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 15.098 | 252 | 2511913 | 104.584 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.121 | 252 | 1193741m | 58.476 | ng | | |
| 90) Benzo(a)pyrene | 15.468 | 252 | 1810170 | 93.976 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 17.039 | 278 | 836480 | 45.642 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.474 | 276 | 1057963 | 56.349 | ng | | 99 |

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

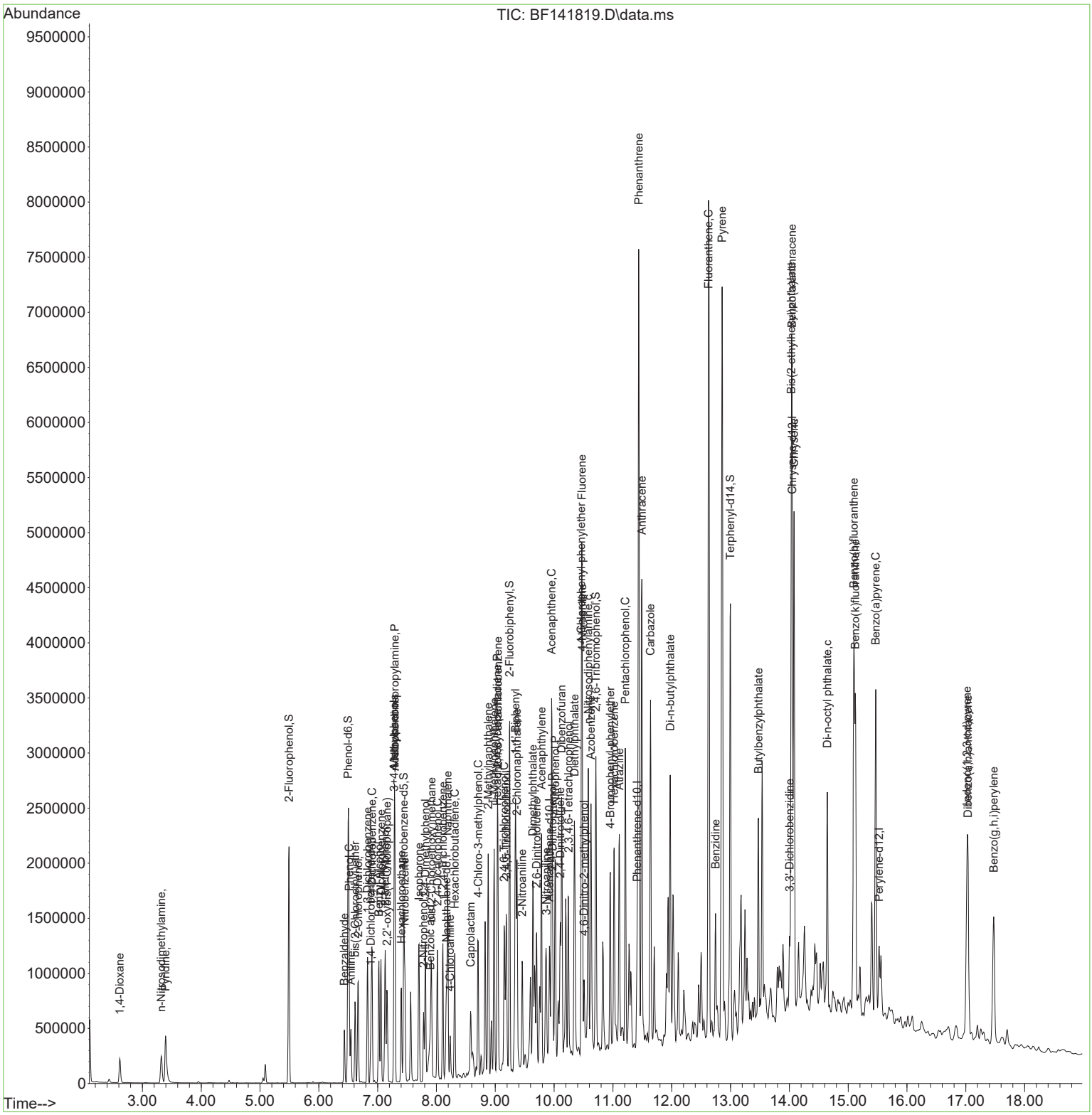
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141819.D
Acq On : 03 Mar 2025 18:16
Operator : RC/JU
Sample : Q1475-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 04 00:12:41 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 :**
TR-04-02282025MS

**Manual Integrations APPROVED**

Reviewed By :Anahy Claudio 03/04/2025
Supervised By :Jagrut Upadhyay 03/04/2025



Sample Results: **BF141820.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141820.D
Acq On : 03 Mar 2025 18:45
Operator : RC/JU
Sample : Q1475-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 04 00:13:37 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

**Instrument :**
BNA_F
**ClientSampleId :**
TR-04-02282025MSD

**Manual Integrations APPROVED**
Reviewed By :Anahy Claudio 03/04/2025
Supervised By :Jagrut Upadhyay 03/04/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.887 | 152 | 110601 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.169 | 136 | 472405 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 9.928 | 164 | 295427 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 11.410 | 188 | 545054 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 14.057 | 240 | 364367 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 15.527 | 264 | 325863 | 20.000 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.493 | 112 | 815896 | 117.809 | ng | 0.00 |
| 7) Phenol-d6 | 6.498 | 99 | 1078485 | 119.642 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.445 | 82 | 665051 | 89.987 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.710 | 330 | 377774 | 136.207 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 9.245 | 172 | 1406930 | 76.362 | ng | 0.00 |
| 79) Terphenyl-d14 | 12.998 | 244 | 1843944 | 81.878 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.622 | 88 | 131982 | 41.999 | ng | 98 |
| 3) Pyridine | 3.399 | 79 | 317118 | 40.559 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.322 | 42 | 160981m | 42.790 | ng | |
| 6) Aniline | 6.546 | 93 | 240050 | 25.615 | ng | 100 |
| 8) 2-Chlorophenol | 6.669 | 128 | 343798 | 45.890 | ng | 98 |
| 9) Benzaldehyde | 6.434 | 77 | 127463 | 24.309 | ng | 100 |
| 10) Phenol | 6.516 | 94 | 457969 | 47.544 | ng | 95 |
| 11) bis(2-Chloroethyl)ether | 6.616 | 93 | 323506 | 44.059 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 6.828 | 146 | 356948 | 44.490 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 6.904 | 146 | 358427 | 44.337 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 7.057 | 146 | 349753 | 46.332 | ng | 97 |
| 15) Benzyl Alcohol | 7.022 | 79 | 307475 | 42.680 | ng | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 7.157 | 45 | 499260 | 44.773 | ng | 97 |
| 17) 2-Methylphenol | 7.128 | 107 | 289987 | 46.893 | ng | 99 |
| 18) Hexachloroethane | 7.404 | 117 | 133353 | 44.073 | ng | 98 |
| 19) n-Nitroso-di-n-propyla... | 7.293 | 70 | 256742 | 43.327 | ng | 97 |
| 20) 3+4-Methylphenols | 7.281 | 107 | 385146 | 50.017 | ng | 98 |
| 22) Acetophenone | 7.293 | 105 | 543135 | 47.207 | ng | 98 |
| 24) Nitrobenzene | 7.463 | 77 | 377448 | 47.692 | ng | 99 |
| 25) Isophorone | 7.704 | 82 | 706853 | 44.519 | ng | 100 |
| 26) 2-Nitrophenol | 7.781 | 139 | 151460 | 43.330 | ng | 97 |
| 27) 2,4-Dimethylphenol | 7.816 | 122 | 319502 | 54.742 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 7.916 | 93 | 418550 | 41.325 | ng | 99 |
| 29) 2,4-Dichlorophenol | 8.016 | 162 | 316178 | 46.958 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 8.110 | 180 | 323179 | 43.803 | ng | 98 |
| 31) Naphthalene | 8.192 | 128 | 1119771 | 46.120 | ng | 99 |
| 32) Benzoic acid | 7.898 | 122 | 244327 | 49.810 | ng | 99 |
| 33) 4-Chloroaniline | 8.234 | 127 | 153722 | 17.267 | ng | 99 |
| 34) Hexachlorobutadiene | 8.310 | 225 | 190488 | 41.548 | ng | 97 |
| 35) Caprolactam | 8.587 | 113 | 135612m | 65.471 | ng | |
| 36) 4-Chloro-3-methylphenol | 8.710 | 107 | 371626 | 49.685 | ng | 96 |
| 37) 2-Methylnaphthalene | 8.881 | 142 | 763209 | 47.924 | ng | 99 |
| 38) 1-Methylnaphthalene | 8.981 | 142 | 743009 | 48.624 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 9.045 | 216 | 382857 | 44.872 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 9.034 | 237 | 265844 | 74.660 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 9.151 | 196 | 251773 | 45.681 | ng | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141820.D
Acq On : 03 Mar 2025 18:45
Operator : RC/JU
Sample : Q1475-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 04 00:13:37 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

**Instrument :**
BNA_F
**ClientSampleId :**
TR-04-02282025MSD

**Manual Integrations APPROVED**
Reviewed By :Anahy Claudio 03/04/2025
Supervised By :Jagrut Upadhyay 03/04/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 9.192 | 196 | 260124 | 47.662 | ng | | 99 |
| 46) 1,1'-Biphenyl | 9.345 | 154 | 1073962 | 47.760 | ng | | 99 |
| 47) 2-Chloronaphthalene | 9.369 | 162 | 741119 | 44.654 | ng | | 97 |
| 48) 2-Nitroaniline | 9.463 | 65 | 236394 | 51.670 | ng | | 97 |
| 49) Acenaphthylene | 9.787 | 152 | 1232367 | 49.525 | ng | | 99 |
| 50) Dimethylphthalate | 9.645 | 163 | 870106 | 43.980 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 9.704 | 165 | 190057 | 50.087 | ng | | 97 |
| 52) Acenaphthene | 9.957 | 154 | 1068759 | 63.653 | ng | | 100 |
| 53) 3-Nitroaniline | 9.869 | 138 | 162885 | 40.874 | ng | # | 96 |
| 54) 2,4-Dinitrophenol | 9.975 | 184 | 142970 | 81.667 | ng | # | 9 |
| 55) Dibenzofuran | 10.134 | 168 | 1272025 | 52.050 | ng | | 98 |
| 56) 4-Nitrophenol | 10.022 | 139 | 408817 | 139.909 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 10.104 | 165 | 273781 | 58.400 | ng | | 99 |
| 58) Fluorene | 10.475 | 166 | 1187140 | 64.850 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 10.245 | 232 | 244933 | 51.602 | ng | | 99 |
| 60) Diethylphthalate | 10.345 | 149 | 900702 | 45.413 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 10.469 | 204 | 419858 | 45.777 | ng | | 99 |
| 62) 4-Nitroaniline | 10.481 | 138 | 210583 | 62.328 | ng | | 95 |
| 63) Azobenzene | 10.628 | 77 | 1105808 | 52.953 | ng | | 89 |
| 65) 4,6-Dinitro-2-methylph... | 10.510 | 198 | 102050 | 41.155 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 10.581 | 169 | 802757 | 44.853 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 10.957 | 248 | 274340 | 43.092 | ng | | 98 |
| 68) Hexachlorobenzene | 11.022 | 284 | 294663 | 43.830 | ng | | 100 |
| 69) Atrazine | 11.110 | 200 | 313116 | 63.618 | ng | | 99 |
| 70) Pentachlorophenol | 11.216 | 266 | 394143 | 92.439 | ng | | 100 |
| 71) Phenanthrene | 11.439 | 178 | 3866700 | 132.626 | ng | | 99 |
| 72) Anthracene | 11.492 | 178 | 2295577 | 78.562 | ng | | 100 |
| 73) Carbazole | 11.639 | 167 | 1695666 | 65.715 | ng | | 100 |
| 74) Di-n-butylphthalate | 11.975 | 149 | 1535009 | 46.931 | ng | | 99 |
| 75) Fluoranthene | 12.633 | 202 | 4553566 | 152.425 | ng | | 98 |
| 77) Benzidine | 12.745 | 184 | 577625 | 125.952 | ng | | 99 |
| 78) Pyrene | 12.857 | 202 | 3929924 | 124.554 | ng | | 96 |
| 80) Butylbenzylphthalate | 13.475 | 149 | 591936 | 51.636 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.045 | 228 | 2686577 | 111.629 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 14.004 | 252 | 201094 | 29.123 | ng | | 99 |
| 83) Chrysene | 14.080 | 228 | 2156229 | 97.191 | ng | | 98 |
| 84) Bis(2-ethylhexyl)phtha... | 14.033 | 149 | 799872 | 56.038 | ng | | 100 |
| 85) Di-n-octyl phthalate | 14.645 | 149 | 1237973 | 57.932 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 17.027 | 276 | 1274356 | 61.415 | ng | | 97 |
| 88) Benzo(b)fluoranthene | 15.098 | 252 | 2307739 | 103.967 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 15.127 | 252 | 1240064m | 65.729 | ng | | |
| 90) Benzo(a)pyrene | 15.468 | 252 | 1736263 | 97.534 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 17.045 | 278 | 800626 | 47.270 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 17.480 | 276 | 1009379 | 58.172 | ng | | 99 |

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

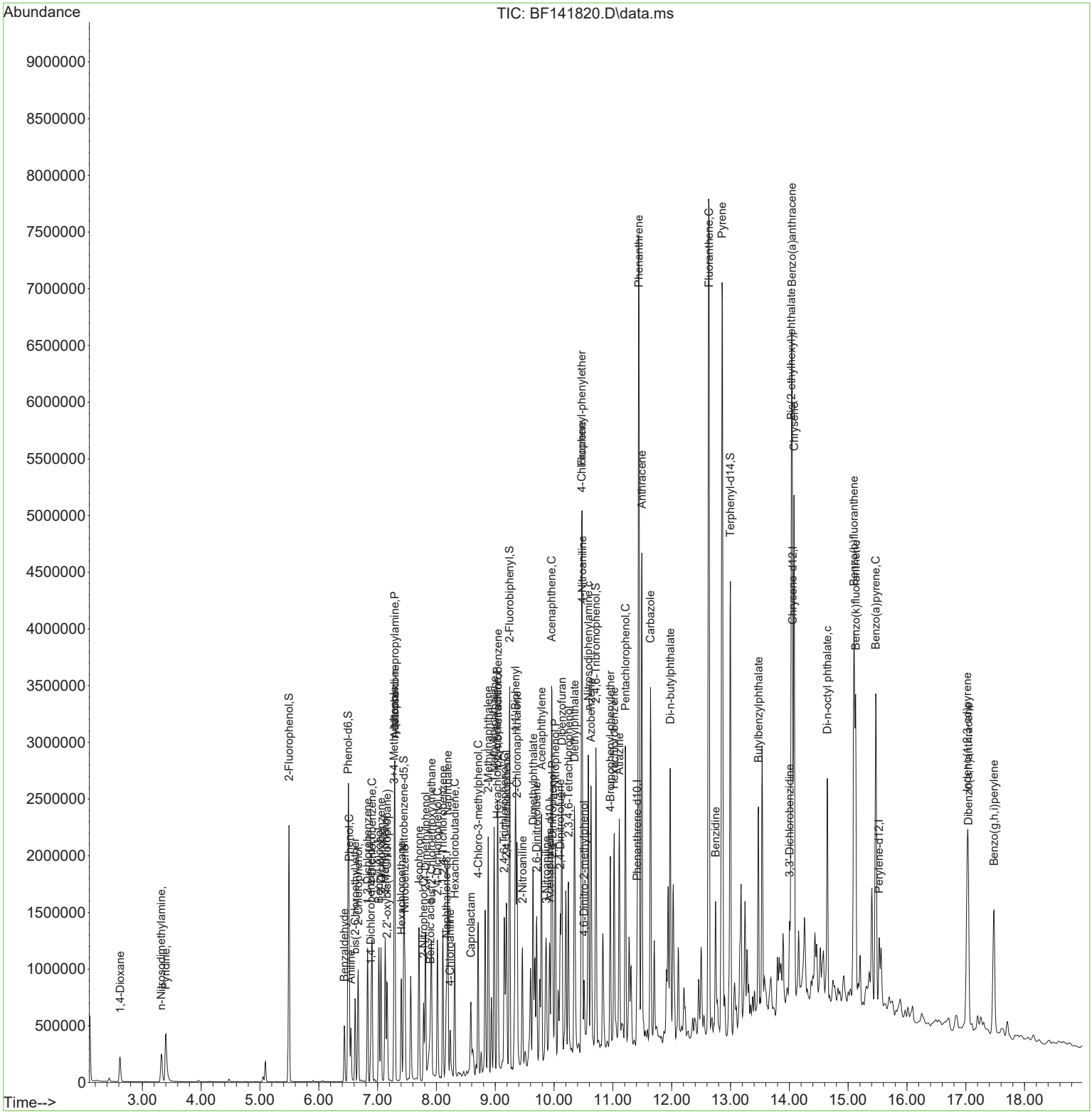
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030325\
Data File : BF141820.D
Acq On : 03 Mar 2025 18:45
Operator : RC/JU
Sample : Q1475-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 04 00:13:37 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

**Instrument :**
BNA_F
**ClientSampleId :**
TR-04-02282025MSD

**Manual Integrations APPROVED**

Reviewed By :Anahy Claudio 03/04/2025
Supervised By :Jagrut Upadhyay 03/04/2025



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

# 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 |

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

# Manual Integration Report

| Sequence: | BF030325 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| Q1475-01MS | BF141819.D | Benzo(k)fluoranthene | anahy | 3/4/2025 9:45:27 AM | Jagrut | 3/4/2025 5:07:50 PM | Peak Integrated by Software |
| Q1475-01MS | BF141819.D | Caprolactam | anahy | 3/4/2025 9:45:27 AM | Jagrut | 3/4/2025 5:07:50 PM | Peak Integrated by Software |
| Q1475-01MS | BF141819.D | n-Nitrosodimethylamine | anahy | 3/4/2025 9:45:27 AM | Jagrut | 3/4/2025 5:07:50 PM | Peak Integrated by Software |
| Q1475-01MSD | BF141820.D | Benzo(k)fluoranthene | anahy | 3/4/2025 9:46:23 AM | Jagrut | 3/4/2025 5:07:54 PM | Peak Integrated by Software |
| Q1475-01MSD | BF141820.D | Caprolactam | anahy | 3/4/2025 9:46:23 AM | Jagrut | 3/4/2025 5:07:54 PM | Peak Integrated by Software |
| Q1475-01MSD | BF141820.D | n-Nitrosodimethylamine | anahy | 3/4/2025 9:46:23 AM | Jagrut | 3/4/2025 5:07:54 PM | Peak Integrated by Software |

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

# Manual Integration Report

| Sequence: | BF030425 | Instrument | BNA_f |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDCCC040 | BF141824.D | Benzoic acid | anahy | 3/5/2025 8:39:07 AM | Jagrut | 3/5/2025 9:27:37 AM | Peak Integrated by Software |
| PB166957BS | BF141826.D | Caprolactam | anahy | 3/5/2025 8:39:58 AM | Jagrut | 3/5/2025 9:27:33 AM | Peak Integrated by Software |

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

**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 |

| 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 | 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

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

**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF030325

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | anahy | Review On | 3/4/2025 8:38:41 AM | | | | |
| Supervise By | Jagrut | Supervise On | 3/4/2025 5:08:09 PM | | | | |
| SubDirectory | BF030325 | 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 | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF141810.D | 03 Mar 2025 13:47 | RC/JU | Ok |
| 2 | SSTDCCC040 | BF141811.D | 03 Mar 2025 14:16 | RC/JU | Ok |
| 3 | PB166948BL | BF141812.D | 03 Mar 2025 14:46 | RC/JU | Ok |
| 4 | PB166948BS | BF141813.D | 03 Mar 2025 15:15 | RC/JU | Ok,M |
| 5 | PB166927TB | BF141814.D | 03 Mar 2025 15:44 | RC/JU | Ok |
| 6 | Q1458-03 | BF141815.D | 03 Mar 2025 16:19 | RC/JU | Ok |
| 7 | Q1458-03MS | BF141816.D | 03 Mar 2025 16:48 | RC/JU | Ok,M |
| 8 | Q1458-03MSD | BF141817.D | 03 Mar 2025 17:17 | RC/JU | Ok,M |
| 9 | Q1475-01 | BF141818.D | 03 Mar 2025 17:47 | RC/JU | Dilution |
| 10 | Q1475-01MS | BF141819.D | 03 Mar 2025 18:16 | RC/JU | Ok,M |
| 11 | Q1475-01MSD | BF141820.D | 03 Mar 2025 18:45 | RC/JU | Ok,M |
| 12 | Q1447-01 | BF141821.D | 03 Mar 2025 19:14 | RC/JU | Ok |
| 13 | Q1474-01 | BF141822.D | 03 Mar 2025 19:44 | RC/JU | Ok |

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Fax : 908 789 8922

**Instrument ID: BNA_F**

## Daily Analysis Runlog For Sequence/QCBatch ID # BF030425

| | | | | | |
|---|---|---|---|---|---|
| Review By | anahy | Review On | 3/5/2025 8:53:33 AM | | |
| Supervise By | Jagrut | Supervise On | 3/5/2025 9:27:47 AM | | |
| SubDirectory | BF030425 | 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 | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BF141823.D | 04 Mar 2025 13:16 | RC/JU | Ok |
| 2 | SSTDCCC040 | BF141824.D | 04 Mar 2025 13:46 | RC/JU | Ok,M |
| 3 | PB166957BL | BF141825.D | 04 Mar 2025 14:15 | RC/JU | Ok |
| 4 | PB166957BS | BF141826.D | 04 Mar 2025 14:44 | RC/JU | Ok,M |
| 5 | Q1480-25 | BF141827.D | 04 Mar 2025 15:19 | RC/JU | Ok |
| 6 | Q1480-25MS | BF141828.D | 04 Mar 2025 15:48 | RC/JU | Ok,M |
| 7 | Q1480-25MSD | BF141829.D | 04 Mar 2025 16:17 | RC/JU | Ok,M |
| 8 | Q1480-17 | BF141830.D | 04 Mar 2025 16:47 | RC/JU | Dilution |
| 9 | Q1480-01 | BF141831.D | 04 Mar 2025 17:16 | RC/JU | Dilution |
| 10 | Q1475-01DL | BF141832.D | 04 Mar 2025 17:46 | RC/JU | Ok,M |
| 11 | Q1480-09 | BF141833.D | 04 Mar 2025 18:15 | RC/JU | Ok,M |

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**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 |

| 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 | 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 |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF030325

| | | | | | |
|---|---|---|---|---|---|
| Review By | anahy | Review On | 3/4/2025 8:38:41 AM | | |
| Supervise By | Jagrut | Supervise On | 3/4/2025 5:08:09 PM | | |
| SubDirectory | BF030325 | 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 | BF141810.D | 03 Mar 2025 13:47 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BF141811.D | 03 Mar 2025 14:16 | | RC/JU | Ok |
| 3 | PB166948BL | PB166948BL | BF141812.D | 03 Mar 2025 14:46 | | RC/JU | Ok |
| 4 | PB166948BS | PB166948BS | BF141813.D | 03 Mar 2025 15:15 | | RC/JU | Ok,M |
| 5 | PB166927TB | PB166927TB | BF141814.D | 03 Mar 2025 15:44 | | RC/JU | Ok |
| 6 | Q1458-03 | SP-SOIL | BF141815.D | 03 Mar 2025 16:19 | Internal Standard Fail | RC/JU | Ok |
| 7 | Q1458-03MS | SP-SOILMS | BF141816.D | 03 Mar 2025 16:48 | Internal Standard Fail | RC/JU | Ok,M |
| 8 | Q1458-03MSD | SP-SOILMSD | BF141817.D | 03 Mar 2025 17:17 | Internal Standard Fail | RC/JU | Ok,M |
| 9 | Q1475-01 | TR-04-02282025 | BF141818.D | 03 Mar 2025 17:47 | Internal Standard Fail, Need 5x Dilution | RC/JU | Dilution |
| 10 | Q1475-01MS | TR-04-02282025MS | BF141819.D | 03 Mar 2025 18:16 | Internal Standard Fail | RC/JU | Ok,M |
| 11 | Q1475-01MSD | TR-04-02282025MSD | BF141820.D | 03 Mar 2025 18:45 | Internal Standard Fail | RC/JU | Ok,M |
| 12 | Q1447-01 | WC1 | BF141821.D | 03 Mar 2025 19:14 | Internal Standard Fail | RC/JU | Ok |
| 13 | Q1474-01 | BU-03-02282025 | BF141822.D | 03 Mar 2025 19:44 | Internal Standard Fail | RC/JU | Ok |

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**Instrument ID:** BNA_F

## Daily Analysis Runlog For Sequence/QCBatch ID # BF030425

| | | | | | |
|---|---|---|---|---|---|
| Review By | anahy | Review On | 3/5/2025 8:53:33 AM | | |
| Supervise By | Jagrut | Supervise On | 3/5/2025 9:27:47 AM | | |
| SubDirectory | BF030425 | 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 | BF141823.D | 04 Mar 2025 13:16 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BF141824.D | 04 Mar 2025 13:46 | | RC/JU | Ok,M |
| 3 | PB166957BL | PB166957BL | BF141825.D | 04 Mar 2025 14:15 | | RC/JU | Ok |
| 4 | PB166957BS | PB166957BS | BF141826.D | 04 Mar 2025 14:44 | | RC/JU | Ok,M |
| 5 | Q1480-25 | TP-4 | BF141827.D | 04 Mar 2025 15:19 | | RC/JU | Ok |
| 6 | Q1480-25MS | TP-4MS | BF141828.D | 04 Mar 2025 15:48 | | RC/JU | Ok,M |
| 7 | Q1480-25MSD | TP-4MSD | BF141829.D | 04 Mar 2025 16:17 | | RC/JU | Ok,M |
| 8 | Q1480-17 | TP-3 | BF141830.D | 04 Mar 2025 16:47 | Need 2X Dilution | RC/JU | Dilution |
| 9 | Q1480-01 | TP-1 | BF141831.D | 04 Mar 2025 17:16 | Need further 5X Dilution | RC/JU | Dilution |
| 10 | Q1475-01DL | TR-04-02282025DL | BF141832.D | 04 Mar 2025 17:46 | | RC/JU | Ok,M |
| 11 | Q1480-09 | TP-2 | BF141833.D | 04 Mar 2025 18:15 | | RC/JU | Ok,M |

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Alliance TECHNICAL GROUP

# EXTRACTION LOGPAGE

PB166957

**SOP ID:** M3541-ASE Extraction-14

**Clean Up SOP #:** N/A

**Matrix :** Solid

**Weigh By:** EH

**Balance check:** RJ

**Balance ID:** EX-SC-2

**pH Strip Lot#:** N/A

**Extraction By:** RJ

**Filter By:** RJ

**pH Meter ID:** N/A

**Hood ID:** 3,7

**Extraction Start Date :** 03/03/2025

**Extraction Start Time :** 13:15

**Extraction End Date :** 03/03/2025

**Extraction End Time :** 16:15

**Concentration By:** EH

**Supervisor By :** RUPESH

**Extraction Method:** [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

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

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| MeCl2/Acetone/1:1 | N/A | 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 |

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

1.5 ML Vial lot # 2210673.

**KD Bath ID:** N/A

**KD Bath Temperature:** N/A

**Envap ID:** NEVAP-02

**Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 3/3/25 | RS (Bit-Lab) | RC/SVOC |
| 16:20 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB166957**

**Analytical Method:** M3541-ASE Extraction-14

**Concentration Date:** 03/03/2025

| Sample ID | Client Sample ID | Test | g/mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB166957BL | SBLK957 | SVOC-TCL BNA -20 | 30.02 | N/A | ritesh | Evelyn | 1 | | | U2-6 |
| PB166957BS | SLCS957 | SVOC-TCL BNA -20 | 30.03 | N/A | ritesh | Evelyn | 1 | | | U3-1 |
| Q1447-01 | WC1 | SVOC-TCL BNA -20 | 30.07 | N/A | ritesh | Evelyn | 1 | B | | 2 |
| Q1474-01 | BU-03-02282025 | SVOC-TCL BNA -20 | 50.03 | N/A | ritesh | Evelyn | 1 | E | | 3 |
| Q1475-01 | TR-04-02282025 | SVOC-TCL BNA -20 | 50.02 | N/A | ritesh | Evelyn | 1 | E | | 4 |
| Q1475-01MS | TR-04-02282025MS | SVOC-TCL BNA -20 | 50.04 | N/A | ritesh | Evelyn | 1 | E | | 5 |
| Q1475-01MSD | TR-04-02282025MSD | SVOC-TCL BNA -20 | 50.07 | N/A | ritesh | Evelyn | 1 | E | | 6 |

RS 3/3

* **Extracts relinguished on the same date as received.**

166957
13:15

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q1447BN **WorkList ID :** 187988 **Department :** Extraction **Date :** 03-03-2025 13:09:01

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1447-01 | WC1 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | GENV01 | H33 | 02/23/2025 | 8270E |
| Q1474-01 | BU-03-02282025 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG05 | H31 | 02/28/2025 | 8270E |
| Q1475-01 | TR-04-02282025 | Solid | SVOC-TCL BNA -20 | Cool 4 deg C | PSEG05 | H31 | 02/28/2025 | 8270E |

**Date/Time** 3/3/25 13:10
**Raw Sample Received by:** RJ (EXT-bcb)
**Raw Sample Relinquished by:** [signature]



**Date/Time** 3/3/25 13:30
**Raw Sample Received by:** [signature]
**Raw Sample Relinquished by:** RJ (Ext-bcb)

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q1447 | **OrderDate:** | 2/26/2025 2:32:53 PM |
| **Client:** | G Environmental | **Project:** | Nelson |
| **Contact:** | Gary Landis | **Location:** | H31,H33,VOA Ref. #2 Soil |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q1447-01** | **WC1** | **SOIL** | | | **02/23/25** | | | **02/26/25** |
| | | | SVOC-TCL BNA -20 | 8270E | | 03/03/25 | 03/03/25 | |