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

# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1945

**Client:** G Environmental

| Sample ID | Client ID | | Parameter | | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID : GB1W** | | | | | | | | | |
| Q1945-01 | GB1W | WATER | Caprolactam | | 140.000 | E | 1.2 | 10.4 | ug/L |
| | | | **Total Svoc :** | | **140.00** | | | | |
| Q1945-01 | GB1W | WATER | Ethanol, 1-(2-butoxyethoxy)- | * | 14.300 | J | 0 | 0 | ug/L |
| Q1945-01 | GB1W | WATER | n-Hexadecanoic acid | * | 14.600 | J | 0 | 0 | ug/L |
| Q1945-01 | GB1W | WATER | Octadecanoic acid | * | 5.400 | J | 0 | 0 | ug/L |
| Q1945-01 | GB1W | WATER | unknown16.598 | * | 4.100 | J | 0 | 0 | ug/L |
| Q1945-01 | GB1W | WATER | 2-Pentanone, 4-hydroxy-4-methyl | * | 4.300 | AB | 0 | 0 | ug/L |
| Q1945-01 | GB1W | WATER | Benzophenone | * | 3.900 | J | 0 | 0 | ug/L |
| | | | **Total Tics :** | | **46.60** | | | | |
| | | | **Total Concentration:** | | **186.60** | | | | |
| **Client ID : GB1WDL** | | | | | | | | | |
| Q1945-01DL | GB1WDL | WATER | Caprolactam | | 120.000 | D | 5.9 | 52.1 | ug/L |
| | | | **Total Svoc :** | | **120.00** | | | | |
| | | | **Total Concentration:** | | **120.00** | | | | |
| **Client ID : GB3W** | | | | | | | | | |
| Q1945-02 | GB3W | WATER | Caprolactam | | 190.000 | E | 1.3 | 11.9 | ug/L |
| | | | **Total Svoc :** | | **190.00** | | | | |
| Q1945-02 | GB3W | WATER | Benzene, (2-methyl-1-butenyl)- | * | 4.700 | J | 0 | 0 | ug/L |
| Q1945-02 | GB3W | WATER | Benzene, 1-ethyl-2,4-dimethyl- | * | 5.900 | J | 0 | 0 | ug/L |
| Q1945-02 | GB3W | WATER | Benzene, 1-methyl-2-(2-propenyl) | * | 8.700 | J | 0 | 0 | ug/L |
| Q1945-02 | GB3W | WATER | Benzene, pentamethyl- | * | 4.800 | J | 0 | 0 | ug/L |
| Q1945-02 | GB3W | WATER | Benzophenone | * | 6.800 | J | 0 | 0 | ug/L |
| Q1945-02 | GB3W | WATER | 1H-Inden-1-one, 2,3-dihydro- | * | 6.400 | J | 0 | 0 | ug/L |
| Q1945-02 | GB3W | WATER | 1H-Indene, 2,3-dihydro-4,7-dimet | * | 4.300 | J | 0 | 0 | ug/L |
| Q1945-02 | GB3W | WATER | 1-Hydroxy-4-methyl-2-oxo-1,2-di | * | 6.100 | J | 0 | 0 | ug/L |
| Q1945-02 | GB3W | WATER | 2-Pentanone, 4-hydroxy-4-methyl | * | 9.000 | AB | 0 | 0 | ug/L |
| Q1945-02 | GB3W | WATER | Carbonic acid, eicosyl vinyl ester | * | 5.100 | J | 0 | 0 | ug/L |
| Q1945-02 | GB3W | WATER | Naphthalene, 1,6,7-trimethyl- | * | 5.300 | J | 0 | 0 | ug/L |
| Q1945-02 | GB3W | WATER | Naphthalene, 2,3,6-trimethyl- | * | 5.300 | J | 0 | 0 | ug/L |
| Q1945-02 | GB3W | WATER | Naphthalene, 2,7-dimethyl- | * | 6.600 | J | 0 | 0 | ug/L |
| Q1945-02 | GB3W | WATER | n-Hexadecanoic acid | * | 15.500 | J | 0 | 0 | ug/L |
| Q1945-02 | GB3W | WATER | Octadecanoic acid | * | 5.400 | J | 0 | 0 | ug/L |
| Q1945-02 | GB3W | WATER | Tridecane | * | 5.400 | J | 0 | 0 | ug/L |
| Q1945-02 | GB3W | WATER | Tridecane, 2-methyl- | * | 7.400 | J | 0 | 0 | ug/L |
| Q1945-02 | GB3W | WATER | Tridecane, 3-methyl- | * | 17.600 | J | 0 | 0 | ug/L |
| Q1945-02 | GB3W | WATER | unknown12.398 | * | 8.000 | J | 0 | 0 | ug/L |
| Q1945-02 | GB3W | WATER | unknown12.933 | * | 6.400 | J | 0 | 0 | ug/L |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1945

**Client:** G Environmental

| Sample ID | Client ID | | Parameter | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|
| | | | **Total Tics :** | **144.70** | | | | |
| | | | **Total Concentration:** | **334.70** | | | | |
| **Client ID :** | **GB3WDL** | | | | | | | |
| Q1945-02DL | GB3WDL | WATER | Caprolactam | 170.000 | D | 6.7 | 59.5 | ug/L |
| | | | **Total Svoc :** | **170.00** | | | | |
| | | | **Total Concentration:** | **170.00** | | | | |


# SAMPLE DATA

Raw Data: **BM050134.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 05/02/25 |
| Project: | Amsterdam | Date Received: | 05/02/25 |
| Client Sample ID: | GB1W | SDG No.: | Q1945 |
| Lab Sample ID: | Q1945-01 | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 960 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050134.D | 1 | 05/07/25 08:53 | 05/07/25 14:26 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 4.10 | U | 4.10 | 10.4 | ug/L |
| 62-53-3 | Aniline | 1.50 | U | 1.50 | 5.20 | ug/L |
| 108-95-2 | Phenol | 0.95 | U | 0.95 | 5.20 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.84 | U | 0.84 | 5.20 | ug/L |
| 95-57-8 | 2-Chlorophenol | 0.60 | U | 0.60 | 5.20 | ug/L |
| 95-48-7 | 2-Methylphenol | 1.20 | U | 1.20 | 5.20 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 1.30 | U | 1.30 | 5.20 | ug/L |
| 98-86-2 | Acetophenone | 0.77 | U | 0.77 | 5.20 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 1.10 | U | 1.10 | 10.4 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1.50 | U | 1.50 | 2.60 | ug/L |
| 67-72-1 | Hexachloroethane | 0.68 | U | 0.68 | 5.20 | ug/L |
| 98-95-3 | Nitrobenzene | 0.79 | U | 0.79 | 5.20 | ug/L |
| 78-59-1 | Isophorone | 0.78 | U | 0.78 | 5.20 | ug/L |
| 88-75-5 | 2-Nitrophenol | 1.80 | U | 1.80 | 5.20 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 1.90 | U | 1.90 | 5.20 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 0.71 | U | 0.71 | 5.20 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 0.54 | U | 0.54 | 5.20 | ug/L |
| 91-20-3 | Naphthalene | 0.52 | U | 0.52 | 5.20 | ug/L |
| 106-47-8 | 4-Chloroaniline | 0.88 | UQ | 0.88 | 5.20 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.56 | U | 0.56 | 5.20 | ug/L |
| 105-60-2 | Caprolactam | 140 | E | 1.20 | 10.4 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 0.61 | U | 0.61 | 5.20 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.58 | U | 0.58 | 5.20 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 3.80 | U | 3.80 | 10.4 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 0.53 | U | 0.53 | 5.20 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 0.65 | U | 0.65 | 5.20 | ug/L |
| 92-52-4 | 1,1-Biphenyl | 0.55 | U | 0.55 | 5.20 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 0.64 | U | 0.64 | 5.20 | ug/L |
| 88-74-4 | 2-Nitroaniline | 1.30 | U | 1.30 | 5.20 | ug/L |

Raw Data: **BM050134.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | 05/02/25 |
| Project: | Amsterdam | | | Date Received: | 05/02/25 |
| Client Sample ID: | GB1W | | | SDG No.: | Q1945 |
| Lab Sample ID: | Q1945-01 | | | Matrix: | Water |
| Analytical Method: | SW8270 | | | % Solid: | 0 |
| Sample Wt/Vol: | 960 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050134.D | 1 | 05/07/25 08:53 | 05/07/25 14:26 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 131-11-3 | Dimethylphthalate | 0.64 | U | 0.64 | 5.20 | ug/L |
| 208-96-8 | Acenaphthylene | 0.78 | U | 0.78 | 5.20 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 0.96 | U | 0.96 | 5.20 | ug/L |
| 99-09-2 | 3-Nitroaniline | 1.10 | UQ | 1.10 | 5.20 | ug/L |
| 83-32-9 | Acenaphthene | 0.57 | U | 0.57 | 5.20 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 6.20 | U | 6.20 | 10.4 | ug/L |
| 100-02-7 | 4-Nitrophenol | 2.50 | U | 2.50 | 10.4 | ug/L |
| 132-64-9 | Dibenzofuran | 0.64 | U | 0.64 | 5.20 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 1.30 | U | 1.30 | 5.20 | ug/L |
| 84-66-2 | Diethylphthalate | 0.72 | U | 0.72 | 5.20 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 0.71 | U | 0.71 | 5.20 | ug/L |
| 86-73-7 | Fluorene | 0.66 | U | 0.66 | 5.20 | ug/L |
| 100-01-6 | 4-Nitroaniline | 1.60 | U | 1.60 | 5.20 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 3.00 | U | 3.00 | 10.4 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 0.60 | U | 0.60 | 5.20 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.42 | U | 0.42 | 5.20 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.54 | U | 0.54 | 5.20 | ug/L |
| 1912-24-9 | Atrazine | 1.10 | U | 1.10 | 5.20 | ug/L |
| 87-86-5 | Pentachlorophenol | 1.60 | U | 1.60 | 10.4 | ug/L |
| 85-01-8 | Phenanthrene | 0.52 | U | 0.52 | 5.20 | ug/L |
| 120-12-7 | Anthracene | 0.64 | U | 0.64 | 5.20 | ug/L |
| 86-74-8 | Carbazole | 0.75 | U | 0.75 | 5.20 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 1.30 | U | 1.30 | 5.20 | ug/L |
| 206-44-0 | Fluoranthene | 0.85 | U | 0.85 | 5.20 | ug/L |
| 129-00-0 | Pyrene | 0.52 | U | 0.52 | 5.20 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 2.00 | U | 2.00 | 5.20 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 0.97 | UQ | 0.97 | 10.4 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.47 | U | 0.47 | 5.20 | ug/L |
| 218-01-9 | Chrysene | 0.46 | U | 0.46 | 5.20 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 1.70 | U | 1.70 | 5.20 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 2.40 | U | 2.40 | 10.4 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | 05/02/25 |
| Project: | Amsterdam | | | Date Received: | 05/02/25 |
| Client Sample ID: | GB1W | | | SDG No.: | Q1945 |
| Lab Sample ID: | Q1945-01 | | | Matrix: | Water |
| Analytical Method: | SW8270 | | | % Solid: | 0 |
| Sample Wt/Vol: | 960 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050134.D | 1 | 05/07/25 08:53 | 05/07/25 14:26 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 205-99-2 | Benzo(b)fluoranthene | 0.51 | U | 0.51 | 5.20 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.50 | U | 0.50 | 5.20 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.57 | U | 0.57 | 5.20 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.61 | U | 0.61 | 5.20 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.70 | U | 0.70 | 5.20 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.72 | U | 0.72 | 5.20 | ug/L |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 0.54 | U | 0.54 | 5.20 | ug/L |
| 123-91-1 | 1,4-Dioxane | 1.00 | U | 1.00 | 5.20 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 0.75 | U | 0.75 | 5.20 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 72.9 | | 15 (10) - 110 (139) | 49% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 45.5 | | 15 (10) - 110 (134) | 30% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 84.8 | | 30 (49) - 130 (133) | 85% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 80.9 | | 30 (52) - 130 (132) | 81% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 161 | | 15 (44) - 110 (137) | 107% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 92.5 | | 30 (48) - 130 (125) | 92% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 277000 | 7.746 | | | |
| 1146-65-2 | Naphthalene-d8 | 995000 | 10.54 | | | |
| 15067-26-2 | Acenaphthene-d10 | 676000 | 14.392 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1360000 | 17.145 | | | |
| 1719-03-5 | Chrysene-d12 | 1250000 | 21.392 | | | |
| 1520-96-3 | Perylene-d12 | 1280000 | 24.386 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |
| 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 4.30 | AB | | 4.86 | ug/L |
| 054446-78-5 | Ethanol, 1-(2-butoxyethoxy)- | 14.3 | J | | 10.3 | ug/L |
| 000119-61-9 | Benzophenone | 3.90 | J | | 15.8 | ug/L |
| | unknown16.598 | 4.10 | J | | 16.6 | ug/L |
| 000057-10-3 | n-Hexadecanoic acid | 14.6 | J | | 18.0 | ug/L |
| 000057-11-4 | Octadecanoic acid | 5.40 | J | | 19.3 | ug/L |

Raw Data: **BM050134.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | 05/02/25 |
| Project: | Amsterdam | | | Date Received: | 05/02/25 |
| Client Sample ID: | GB1W | | | SDG No.: | Q1945 |
| Lab Sample ID: | Q1945-01 | | | Matrix: | Water |
| Analytical Method: | SW8270 | | | % Solid: | 0 |
| Sample Wt/Vol: | 960 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050134.D | 1 | 05/07/25 08:53 | 05/07/25 14:26 | PB167889 |

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

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

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

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 05/02/25 |
| Project: | Amsterdam | Date Received: | 05/02/25 |
| Client Sample ID: | GB1WDL | SDG No.: | Q1945 |
| Lab Sample ID: | Q1945-01DL | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 960 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050137.D | 5 | 05/07/25 08:53 | 05/07/25 16:24 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 20.4 | UD | 20.4 | 52.1 | ug/L |
| 62-53-3 | Aniline | 7.70 | UD | 7.70 | 26.0 | ug/L |
| 108-95-2 | Phenol | 4.70 | UD | 4.70 | 26.0 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 4.20 | UD | 4.20 | 26.0 | ug/L |
| 95-57-8 | 2-Chlorophenol | 3.00 | UD | 3.00 | 26.0 | ug/L |
| 95-48-7 | 2-Methylphenol | 5.80 | UD | 5.80 | 26.0 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 6.70 | UD | 6.70 | 26.0 | ug/L |
| 98-86-2 | Acetophenone | 3.90 | UD | 3.90 | 26.0 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 5.70 | UD | 5.70 | 52.1 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 7.30 | UD | 7.30 | 13.0 | ug/L |
| 67-72-1 | Hexachloroethane | 3.40 | UD | 3.40 | 26.0 | ug/L |
| 98-95-3 | Nitrobenzene | 4.00 | UD | 4.00 | 26.0 | ug/L |
| 78-59-1 | Isophorone | 3.90 | UD | 3.90 | 26.0 | ug/L |
| 88-75-5 | 2-Nitrophenol | 9.20 | UD | 9.20 | 26.0 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 9.60 | UD | 9.60 | 26.0 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 3.50 | UD | 3.50 | 26.0 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 2.70 | UD | 2.70 | 26.0 | ug/L |
| 91-20-3 | Naphthalene | 2.60 | UD | 2.60 | 26.0 | ug/L |
| 106-47-8 | 4-Chloroaniline | 4.40 | UDQ | 4.40 | 26.0 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 2.80 | UD | 2.80 | 26.0 | ug/L |
| 105-60-2 | Caprolactam | 120 | D | 5.90 | 52.1 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 3.10 | UD | 3.10 | 26.0 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 2.90 | UD | 2.90 | 26.0 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 18.9 | UD | 18.9 | 52.1 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 2.70 | UD | 2.70 | 26.0 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 3.20 | UD | 3.20 | 26.0 | ug/L |
| 92-52-4 | 1,1-Biphenyl | 2.80 | UD | 2.80 | 26.0 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 3.20 | UD | 3.20 | 26.0 | ug/L |
| 88-74-4 | 2-Nitroaniline | 6.60 | UD | 6.60 | 26.0 | ug/L |

Raw Data: **BM050137.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 05/02/25 |
| Project: | Amsterdam | Date Received: | 05/02/25 |
| Client Sample ID: | GB1WDL | SDG No.: | Q1945 |
| Lab Sample ID: | Q1945-01DL | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 960 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050137.D | 5 | 05/07/25 08:53 | 05/07/25 16:24 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 131-11-3 | Dimethylphthalate | 3.20 | UD | 3.20 | 26.0 | ug/L |
| 208-96-8 | Acenaphthylene | 3.90 | UD | 3.90 | 26.0 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 4.80 | UD | 4.80 | 26.0 | ug/L |
| 99-09-2 | 3-Nitroaniline | 5.50 | UDQ | 5.50 | 26.0 | ug/L |
| 83-32-9 | Acenaphthene | 2.90 | UD | 2.90 | 26.0 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 31.1 | UD | 31.1 | 52.1 | ug/L |
| 100-02-7 | 4-Nitrophenol | 12.4 | UD | 12.4 | 52.1 | ug/L |
| 132-64-9 | Dibenzofuran | 3.20 | UD | 3.20 | 26.0 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 6.40 | UD | 6.40 | 26.0 | ug/L |
| 84-66-2 | Diethylphthalate | 3.60 | UD | 3.60 | 26.0 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 3.50 | UD | 3.50 | 26.0 | ug/L |
| 86-73-7 | Fluorene | 3.30 | UD | 3.30 | 26.0 | ug/L |
| 100-01-6 | 4-Nitroaniline | 7.80 | UD | 7.80 | 26.0 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 15.0 | UD | 15.0 | 52.1 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 3.00 | UD | 3.00 | 26.0 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 2.10 | UD | 2.10 | 26.0 | ug/L |
| 118-74-1 | Hexachlorobenzene | 2.70 | UD | 2.70 | 26.0 | ug/L |
| 1912-24-9 | Atrazine | 5.30 | UD | 5.30 | 26.0 | ug/L |
| 87-86-5 | Pentachlorophenol | 8.20 | UD | 8.20 | 52.1 | ug/L |
| 85-01-8 | Phenanthrene | 2.60 | UD | 2.60 | 26.0 | ug/L |
| 120-12-7 | Anthracene | 3.20 | UD | 3.20 | 26.0 | ug/L |
| 86-74-8 | Carbazole | 3.80 | UD | 3.80 | 26.0 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 6.40 | UD | 6.40 | 26.0 | ug/L |
| 206-44-0 | Fluoranthene | 4.30 | UD | 4.30 | 26.0 | ug/L |
| 129-00-0 | Pyrene | 2.60 | UD | 2.60 | 26.0 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 10.1 | UD | 10.1 | 26.0 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 4.80 | UDQ | 4.80 | 52.1 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 2.30 | UD | 2.30 | 26.0 | ug/L |
| 218-01-9 | Chrysene | 2.30 | UD | 2.30 | 26.0 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 8.30 | UD | 8.30 | 26.0 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 12.2 | UD | 12.2 | 52.1 | ug/L |

Raw Data: **BM050137.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: | 05/02/25 |
| Project: | Amsterdam | Date Received: | 05/02/25 |
| Client Sample ID: | GB1WDL | SDG No.: | Q1945 |
| Lab Sample ID: | Q1945-01DL | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 960 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050137.D | 5 | 05/07/25 08:53 | 05/07/25 16:24 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 205-99-2 | Benzo(b)fluoranthene | 2.60 | UD | 2.60 | 26.0 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 2.50 | UD | 2.50 | 26.0 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 2.90 | UD | 2.90 | 26.0 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 3.10 | UD | 3.10 | 26.0 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 3.50 | UD | 3.50 | 26.0 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 3.60 | UD | 3.60 | 26.0 | ug/L |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 2.70 | UD | 2.70 | 26.0 | ug/L |
| 123-91-1 | 1,4-Dioxane | 5.20 | UD | 5.20 | 26.0 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 3.80 | UD | 3.80 | 26.0 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 71.2 | | 15 (10) - 110 (139) | 47% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 39.7 | | 15 (10) - 110 (134) | 26% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 81.4 | | 30 (49) - 130 (133) | 81% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 78.5 | | 30 (52) - 130 (132) | 79% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 134 | | 15 (44) - 110 (137) | 89% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 80.2 | | 30 (48) - 130 (125) | 80% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 238000 | 7.746 | | | |
| 1146-65-2 | Naphthalene-d8 | 834000 | 10.54 | | | |
| 15067-26-2 | Acenaphthene-d10 | 563000 | 14.392 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1150000 | 17.145 | | | |
| 1719-03-5 | Chrysene-d12 | 1120000 | 21.392 | | | |
| 1520-96-3 | Perylene-d12 | 1140000 | 24.386 | | | |

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: **BM050135.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 05/02/25 |
| Project: | Amsterdam | Date Received: | 05/02/25 |
| Client Sample ID: | GB3W | SDG No.: | Q1945 |
| Lab Sample ID: | Q1945-02 | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 840 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050135.D | 1 | 05/07/25 08:53 | 05/07/25 15:05 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 4.70 | U | 4.70 | 11.9 | ug/L |
| 62-53-3 | Aniline | 1.80 | U | 1.80 | 6.00 | ug/L |
| 108-95-2 | Phenol | 1.10 | U | 1.10 | 6.00 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.96 | U | 0.96 | 6.00 | ug/L |
| 95-57-8 | 2-Chlorophenol | 0.69 | U | 0.69 | 6.00 | ug/L |
| 95-48-7 | 2-Methylphenol | 1.30 | U | 1.30 | 6.00 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 1.50 | U | 1.50 | 6.00 | ug/L |
| 98-86-2 | Acetophenone | 0.88 | U | 0.88 | 6.00 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 1.30 | U | 1.30 | 11.9 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1.70 | U | 1.70 | 3.00 | ug/L |
| 67-72-1 | Hexachloroethane | 0.77 | U | 0.77 | 6.00 | ug/L |
| 98-95-3 | Nitrobenzene | 0.90 | U | 0.90 | 6.00 | ug/L |
| 78-59-1 | Isophorone | 0.89 | U | 0.89 | 6.00 | ug/L |
| 88-75-5 | 2-Nitrophenol | 2.10 | U | 2.10 | 6.00 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 2.20 | U | 2.20 | 6.00 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 0.81 | U | 0.81 | 6.00 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 0.62 | U | 0.62 | 6.00 | ug/L |
| 91-20-3 | Naphthalene | 0.60 | U | 0.60 | 6.00 | ug/L |
| 106-47-8 | 4-Chloroaniline | 1.00 | UQ | 1.00 | 6.00 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.64 | U | 0.64 | 6.00 | ug/L |
| 105-60-2 | Caprolactam | 190 | E | 1.30 | 11.9 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 0.70 | U | 0.70 | 6.00 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.67 | U | 0.67 | 6.00 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 4.30 | U | 4.30 | 11.9 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 0.61 | U | 0.61 | 6.00 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 0.74 | U | 0.74 | 6.00 | ug/L |
| 92-52-4 | 1,1-Biphenyl | 0.63 | U | 0.63 | 6.00 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 0.73 | U | 0.73 | 6.00 | ug/L |
| 88-74-4 | 2-Nitroaniline | 1.50 | U | 1.50 | 6.00 | ug/L |

Raw Data: **BM050135.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | 05/02/25 |
| Project: | Amsterdam | | | Date Received: | 05/02/25 |
| Client Sample ID: | GB3W | | | SDG No.: | Q1945 |
| Lab Sample ID: | Q1945-02 | | | Matrix: | Water |
| Analytical Method: | SW8270 | | | % Solid: | 0 |
| Sample Wt/Vol: | 840 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050135.D | 1 | 05/07/25 08:53 | 05/07/25 15:05 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 131-11-3 | Dimethylphthalate | 0.73 | U | 0.73 | 6.00 | ug/L |
| 208-96-8 | Acenaphthylene | 0.89 | U | 0.89 | 6.00 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 1.10 | U | 1.10 | 6.00 | ug/L |
| 99-09-2 | 3-Nitroaniline | 1.30 | UQ | 1.30 | 6.00 | ug/L |
| 83-32-9 | Acenaphthene | 0.65 | U | 0.65 | 6.00 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 7.10 | U | 7.10 | 11.9 | ug/L |
| 100-02-7 | 4-Nitrophenol | 2.80 | U | 2.80 | 11.9 | ug/L |
| 132-64-9 | Dibenzofuran | 0.73 | U | 0.73 | 6.00 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 1.50 | U | 1.50 | 6.00 | ug/L |
| 84-66-2 | Diethylphthalate | 0.82 | U | 0.82 | 6.00 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 0.81 | U | 0.81 | 6.00 | ug/L |
| 86-73-7 | Fluorene | 0.75 | U | 0.75 | 6.00 | ug/L |
| 100-01-6 | 4-Nitroaniline | 1.80 | U | 1.80 | 6.00 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 3.40 | U | 3.40 | 11.9 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 0.69 | U | 0.69 | 6.00 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.48 | U | 0.48 | 6.00 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.62 | U | 0.62 | 6.00 | ug/L |
| 1912-24-9 | Atrazine | 1.20 | U | 1.20 | 6.00 | ug/L |
| 87-86-5 | Pentachlorophenol | 1.90 | U | 1.90 | 11.9 | ug/L |
| 85-01-8 | Phenanthrene | 0.60 | U | 0.60 | 6.00 | ug/L |
| 120-12-7 | Anthracene | 0.73 | U | 0.73 | 6.00 | ug/L |
| 86-74-8 | Carbazole | 0.86 | U | 0.86 | 6.00 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 1.50 | U | 1.50 | 6.00 | ug/L |
| 206-44-0 | Fluoranthene | 0.98 | U | 0.98 | 6.00 | ug/L |
| 129-00-0 | Pyrene | 0.60 | U | 0.60 | 6.00 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 2.30 | U | 2.30 | 6.00 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 1.10 | UQ | 1.10 | 11.9 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.54 | U | 0.54 | 6.00 | ug/L |
| 218-01-9 | Chrysene | 0.52 | U | 0.52 | 6.00 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 1.90 | U | 1.90 | 6.00 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 2.80 | U | 2.80 | 11.9 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | 05/02/25 |
| Project: | Amsterdam | | | Date Received: | 05/02/25 |
| Client Sample ID: | GB3W | | | SDG No.: | Q1945 |
| Lab Sample ID: | Q1945-02 | | | Matrix: | Water |
| Analytical Method: | SW8270 | | | % Solid: | 0 |
| Sample Wt/Vol: | 840 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050135.D | 1 | 05/07/25 08:53 | 05/07/25 15:05 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 205-99-2 | Benzo(b)fluoranthene | 0.58 | U | 0.58 | 6.00 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.57 | U | 0.57 | 6.00 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.65 | U | 0.65 | 6.00 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.70 | U | 0.70 | 6.00 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.80 | U | 0.80 | 6.00 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.82 | U | 0.82 | 6.00 | ug/L |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 0.62 | U | 0.62 | 6.00 | ug/L |
| 123-91-1 | 1,4-Dioxane | 1.20 | U | 1.20 | 6.00 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 0.86 | U | 0.86 | 6.00 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 81.7 | | 15 (10) - 110 (139) | 54% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 54.3 | | 15 (10) - 110 (134) | 36% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 81.4 | | 30 (49) - 130 (133) | 81% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 76.8 | | 30 (52) - 130 (132) | 77% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 158 | | 15 (44) - 110 (137) | 105% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 82.9 | | 30 (48) - 130 (125) | 83% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 243000 | 7.745 | | | |
| 1146-65-2 | Naphthalene-d8 | 891000 | 10.539 | | | |
| 15067-26-2 | Acenaphthene-d10 | 636000 | 14.392 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1260000 | 17.145 | | | |
| 1719-03-5 | Chrysene-d12 | 1190000 | 21.386 | | | |
| 1520-96-3 | Perylene-d12 | 1260000 | 24.385 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |
| 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 9.00 | AB | | 4.86 | ug/L |
| 000874-41-9 | Benzene, 1-ethyl-2,4-dimethyl- | 5.90 | J | | 8.85 | ug/L |
| 001587-04-8 | Benzene, 1-methyl-2-(2-propenyl)- | 8.70 | J | | 9.94 | ug/L |
| 056253-64-6 | Benzene, (2-methyl-1-butenyl)- | 4.70 | J | | 10.7 | ug/L |
| 006682-71-9 | 1H-Indene, 2,3-dihydro-4,7-dimethy | 4.30 | J | | 11.6 | ug/L |
| 000700-12-9 | Benzene, pentamethyl- | 4.80 | J | | 11.9 | ug/L |

Raw Data: **BM050135.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: | 05/02/25 |
| Project: | Amsterdam | | | Date Received: | 05/02/25 |
| Client Sample ID: | GB3W | | | SDG No.: | Q1945 |
| Lab Sample ID: | Q1945-02 | | | Matrix: | Water |
| Analytical Method: | SW8270 | | | % Solid: | 0 |
| Sample Wt/Vol: | 840 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050135.D | 1 | 05/07/25 08:53 | 05/07/25 15:05 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 000083-33-0 | 1H-Inden-1-one, 2,3-dihydro- | 6.40 | J | | 11.9 | ug/L |
| | unknown12.398 | 8.00 | J | | 12.4 | ug/L |
| | unknown12.933 | 6.40 | J | | 12.9 | ug/L |
| 000582-16-1 | Naphthalene, 2,7-dimethyl- | 6.60 | J | | 13.6 | ug/L |
| 1000382-54-3 | Carbonic acid, eicosyl vinyl ester | 5.10 | J | | 13.9 | ug/L |
| 002245-38-7 | Naphthalene, 1,6,7-trimethyl- | 5.30 | J | | 14.8 | ug/L |
| 000829-26-5 | Naphthalene, 2,3,6-trimethyl- | 5.30 | J | | 15.0 | ug/L |
| 001560-96-9 | Tridecane, 2-methyl- | 7.40 | J | | 15.7 | ug/L |
| 000119-61-9 | Benzophenone | 6.80 | J | | 15.8 | ug/L |
| 006418-41-3 | Tridecane, 3-methyl- | 17.6 | J | | 16.1 | ug/L |
| 000629-50-5 | Tridecane | 5.40 | J | | 17.0 | ug/L |
| 000057-10-3 | n-Hexadecanoic acid | 15.5 | J | | 18.0 | ug/L |
| 021771-74-4 | 1-Hydroxy-4-methyl-2-oxo-1,2-dihyd | 6.10 | J | | 18.1 | ug/L |
| 000057-11-4 | Octadecanoic acid | 5.40 | J | | 19.3 | ug/L |

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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 05/02/25 |
| Project: | Amsterdam | Date Received: | 05/02/25 |
| Client Sample ID: | GB3WDL | SDG No.: | Q1945 |
| Lab Sample ID: | Q1945-02DL | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 840 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050138.D | 5 | 05/07/25 08:53 | 05/07/25 17:03 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 23.3 | UD | 23.3 | 59.5 | ug/L |
| 62-53-3 | Aniline | 8.80 | UD | 8.80 | 29.8 | ug/L |
| 108-95-2 | Phenol | 5.40 | UD | 5.40 | 29.8 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 4.80 | UD | 4.80 | 29.8 | ug/L |
| 95-57-8 | 2-Chlorophenol | 3.50 | UD | 3.50 | 29.8 | ug/L |
| 95-48-7 | 2-Methylphenol | 6.70 | UD | 6.70 | 29.8 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 7.60 | UD | 7.60 | 29.8 | ug/L |
| 98-86-2 | Acetophenone | 4.40 | UD | 4.40 | 29.8 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 6.50 | UD | 6.50 | 59.5 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 8.40 | UD | 8.40 | 14.9 | ug/L |
| 67-72-1 | Hexachloroethane | 3.90 | UD | 3.90 | 29.8 | ug/L |
| 98-95-3 | Nitrobenzene | 4.50 | UD | 4.50 | 29.8 | ug/L |
| 78-59-1 | Isophorone | 4.50 | UD | 4.50 | 29.8 | ug/L |
| 88-75-5 | 2-Nitrophenol | 10.5 | UD | 10.5 | 29.8 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 11.0 | UD | 11.0 | 29.8 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 4.00 | UD | 4.00 | 29.8 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 3.10 | UD | 3.10 | 29.8 | ug/L |
| 91-20-3 | Naphthalene | 3.00 | UD | 3.00 | 29.8 | ug/L |
| 106-47-8 | 4-Chloroaniline | 5.00 | UDQ | 5.00 | 29.8 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 3.20 | UD | 3.20 | 29.8 | ug/L |
| 105-60-2 | Caprolactam | 170 | D | 6.70 | 59.5 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 3.50 | UD | 3.50 | 29.8 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 3.30 | UD | 3.30 | 29.8 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 21.6 | UD | 21.6 | 59.5 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 3.00 | UD | 3.00 | 29.8 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 3.70 | UD | 3.70 | 29.8 | ug/L |
| 92-52-4 | 1,1-Biphenyl | 3.20 | UD | 3.20 | 29.8 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 3.60 | UD | 3.60 | 29.8 | ug/L |
| 88-74-4 | 2-Nitroaniline | 7.50 | UD | 7.50 | 29.8 | ug/L |

Raw Data: **BM050138.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 05/02/25 |
| Project: | Amsterdam | Date Received: | 05/02/25 |
| Client Sample ID: | GB3WDL | SDG No.: | Q1945 |
| Lab Sample ID: | Q1945-02DL | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 840 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050138.D | 5 | 05/07/25 08:53 | 05/07/25 17:03 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 131-11-3 | Dimethylphthalate | 3.60 | UD | 3.60 | 29.8 | ug/L |
| 208-96-8 | Acenaphthylene | 4.50 | UD | 4.50 | 29.8 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 5.50 | UD | 5.50 | 29.8 | ug/L |
| 99-09-2 | 3-Nitroaniline | 6.30 | UDQ | 6.30 | 29.8 | ug/L |
| 83-32-9 | Acenaphthene | 3.30 | UD | 3.30 | 29.8 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 35.5 | UD | 35.5 | 59.5 | ug/L |
| 100-02-7 | 4-Nitrophenol | 14.2 | UD | 14.2 | 59.5 | ug/L |
| 132-64-9 | Dibenzofuran | 3.60 | UD | 3.60 | 29.8 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 7.30 | UD | 7.30 | 29.8 | ug/L |
| 84-66-2 | Diethylphthalate | 4.10 | UD | 4.10 | 29.8 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 4.00 | UD | 4.00 | 29.8 | ug/L |
| 86-73-7 | Fluorene | 3.80 | UD | 3.80 | 29.8 | ug/L |
| 100-01-6 | 4-Nitroaniline | 8.90 | UD | 8.90 | 29.8 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 17.1 | UD | 17.1 | 59.5 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 3.50 | UD | 3.50 | 29.8 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 2.40 | UD | 2.40 | 29.8 | ug/L |
| 118-74-1 | Hexachlorobenzene | 3.10 | UD | 3.10 | 29.8 | ug/L |
| 1912-24-9 | Atrazine | 6.00 | UD | 6.00 | 29.8 | ug/L |
| 87-86-5 | Pentachlorophenol | 9.40 | UD | 9.40 | 59.5 | ug/L |
| 85-01-8 | Phenanthrene | 3.00 | UD | 3.00 | 29.8 | ug/L |
| 120-12-7 | Anthracene | 3.60 | UD | 3.60 | 29.8 | ug/L |
| 86-74-8 | Carbazole | 4.30 | UD | 4.30 | 29.8 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 7.30 | UD | 7.30 | 29.8 | ug/L |
| 206-44-0 | Fluoranthene | 4.90 | UD | 4.90 | 29.8 | ug/L |
| 129-00-0 | Pyrene | 3.00 | UD | 3.00 | 29.8 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 11.5 | UD | 11.5 | 29.8 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 5.50 | UDQ | 5.50 | 59.5 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 2.70 | UD | 2.70 | 29.8 | ug/L |
| 218-01-9 | Chrysene | 2.60 | UD | 2.60 | 29.8 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 9.50 | UD | 9.50 | 29.8 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 13.9 | UD | 13.9 | 59.5 | ug/L |

Raw Data: **BM050138.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 05/02/25 |
| Project: | Amsterdam | Date Received: | 05/02/25 |
| Client Sample ID: | GB3WDL | SDG No.: | Q1945 |
| Lab Sample ID: | Q1945-02DL | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 840 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050138.D | 5 | 05/07/25 08:53 | 05/07/25 17:03 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 205-99-2 | Benzo(b)fluoranthene | 2.90 | UD | 2.90 | 29.8 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 2.90 | UD | 2.90 | 29.8 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 3.30 | UD | 3.30 | 29.8 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 3.50 | UD | 3.50 | 29.8 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 4.00 | UD | 4.00 | 29.8 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 4.10 | UD | 4.10 | 29.8 | ug/L |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 3.10 | UD | 3.10 | 29.8 | ug/L |
| 123-91-1 | 1,4-Dioxane | 6.00 | UD | 6.00 | 29.8 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 4.30 | UD | 4.30 | 29.8 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 80.4 | | 15 (10) - 110 (139) | 54% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 50.8 | | 15 (10) - 110 (134) | 34% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 79.2 | | 30 (49) - 130 (133) | 79% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 75.4 | | 30 (52) - 130 (132) | 75% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 134 | | 15 (44) - 110 (137) | 89% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 75.2 | | 30 (48) - 130 (125) | 75% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 253000 | 7.745 | | | |
| 1146-65-2 | Naphthalene-d8 | 949000 | 10.539 | | | |
| 15067-26-2 | Acenaphthene-d10 | 681000 | 14.392 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1370000 | 17.145 | | | |
| 1719-03-5 | Chrysene-d12 | 1250000 | 21.386 | | | |
| 1520-96-3 | Perylene-d12 | 1260000 | 24.385 | | | |

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

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# Surrogate Summary

**SW-846**

**SDG No.:** Q1945

**Client:** G Environmental

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| PB167889BL | PB167889BL | 2-Fluorophenol | 150 | 134 | 90 | | 15 (10) | 110 (139) |
| | | Phenol-d6 | 150 | 128 | 85 | | 15 (10) | 110 (134) |
| | | Nitrobenzene-d5 | 100 | 78.9 | 79 | | 30 (49) | 130 (133) |
| | | 2-Fluorobiphenyl | 100 | 80.6 | 81 | | 30 (52) | 130 (132) |
| | | 2,4,6-Tribromophenol | 150 | 129 | 86 | | 15 (44) | 110 (137) |
| | | Terphenyl-d14 | 100 | 92.2 | 92 | | 30 (48) | 130 (125) |
| PB167889BS | PB167889BS | 2-Fluorophenol | 150 | 127 | 85 | | 15 (10) | 110 (139) |
| | | Phenol-d6 | 150 | 123 | 82 | | 15 (10) | 110 (134) |
| | | Nitrobenzene-d5 | 100 | 74.0 | 74 | | 30 (49) | 130 (133) |
| | | 2-Fluorobiphenyl | 100 | 76.1 | 76 | | 30 (52) | 130 (132) |
| | | 2,4,6-Tribromophenol | 150 | 124 | 83 | | 15 (44) | 110 (137) |
| | | Terphenyl-d14 | 100 | 79.2 | 79 | | 30 (48) | 130 (125) |
| PB167889BSD | PB167889BSD | 2-Fluorophenol | 150 | 134 | 89 | | 15 (10) | 110 (139) |
| | | Phenol-d6 | 150 | 129 | 86 | | 15 (10) | 110 (134) |
| | | Nitrobenzene-d5 | 100 | 78.3 | 78 | | 30 (49) | 130 (133) |
| | | 2-Fluorobiphenyl | 100 | 80.2 | 80 | | 30 (52) | 130 (132) |
| | | 2,4,6-Tribromophenol | 150 | 131 | 87 | | 15 (44) | 110 (137) |
| | | Terphenyl-d14 | 100 | 85.8 | 86 | | 30 (48) | 130 (125) |
| Q1945-01 | GB1W | 2-Fluorophenol | 150 | 72.9 | 49 | | 15 (10) | 110 (139) |
| | | Phenol-d6 | 150 | 45.5 | 30 | | 15 (10) | 110 (134) |
| | | Nitrobenzene-d5 | 100 | 84.8 | 85 | | 30 (49) | 130 (133) |
| | | 2-Fluorobiphenyl | 100 | 80.9 | 81 | | 30 (52) | 130 (132) |
| | | 2,4,6-Tribromophenol | 150 | 161 | 107 | | 15 (44) | 110 (137) |
| | | Terphenyl-d14 | 100 | 92.5 | 92 | | 30 (48) | 130 (125) |
| Q1945-01DL | GB1WDL | 2-Fluorophenol | 150 | 71.2 | 47 | | 15 (10) | 110 (139) |
| | | Phenol-d6 | 150 | 39.7 | 26 | | 15 (10) | 110 (134) |
| | | Nitrobenzene-d5 | 100 | 81.4 | 81 | | 30 (49) | 130 (133) |
| | | 2-Fluorobiphenyl | 100 | 78.5 | 79 | | 30 (52) | 130 (132) |
| | | 2,4,6-Tribromophenol | 150 | 134 | 89 | | 15 (44) | 110 (137) |
| | | Terphenyl-d14 | 100 | 80.2 | 80 | | 30 (48) | 130 (125) |
| Q1945-02 | GB3W | 2-Fluorophenol | 150 | 81.7 | 54 | | 15 (10) | 110 (139) |
| | | Phenol-d6 | 150 | 54.3 | 36 | | 15 (10) | 110 (134) |
| | | Nitrobenzene-d5 | 100 | 81.4 | 81 | | 30 (49) | 130 (133) |
| | | 2-Fluorobiphenyl | 100 | 76.8 | 77 | | 30 (52) | 130 (132) |
| | | 2,4,6-Tribromophenol | 150 | 158 | 105 | | 15 (44) | 110 (137) |
| | | Terphenyl-d14 | 100 | 82.9 | 83 | | 30 (48) | 130 (125) |
| Q1945-02DL | GB3WDL | 2-Fluorophenol | 150 | 80.4 | 54 | | 15 (10) | 110 (139) |
| | | Phenol-d6 | 150 | 50.8 | 34 | | 15 (10) | 110 (134) |
| | | Nitrobenzene-d5 | 100 | 79.2 | 79 | | 30 (49) | 130 (133) |
| | | 2-Fluorobiphenyl | 100 | 75.4 | 75 | | 30 (52) | 130 (132) |
| | | 2,4,6-Tribromophenol | 150 | 134 | 89 | | 15 (44) | 110 (137) |
| | | Terphenyl-d14 | 100 | 75.2 | 75 | | 30 (48) | 130 (125) |

( ) = LABORATORY INHOUSE LIMIT

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1945

**Client:** G Environmental

**Analytical Method:** 8270E **DataFile:** BM050142.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB167889BS | Benzaldehyde | 50 | 23.0 | ug/L | 46 | | | | 20 (10) | 160 (162) | |
| | Aniline | 50 | 28.0 | ug/L | 56 | | | | 20 (10) | 160 (130) | |
| | Phenol | 50 | 42.9 | ug/L | 86 | | | | 20 (66) | 160 (118) | |
| | bis(2-Chloroethyl)ether | 50 | 40.5 | ug/L | 81 | | | | 70 (62) | 130 (103) | |
| | 2-Chlorophenol | 50 | 42.6 | ug/L | 85 | | | | 70 (70) | 130 (117) | |
| | 2-Methylphenol | 50 | 41.7 | ug/L | 83 | | | | 70 (69) | 130 (109) | |
| | 2,2-oxybis(1-Chloropropane) | 50 | 40.9 | ug/L | 82 | | | | 70 (65) | 130 (100) | |
| | Acetophenone | 50 | 41.5 | ug/L | 83 | | | | 70 (60) | 130 (104) | |
| | 3+4-Methylphenols | 50 | 41.5 | ug/L | 83 | | | | 20 (67) | 160 (106) | |
| | N-Nitroso-di-n-propylamine | 50 | 39.6 | ug/L | 79 | | | | 70 (57) | 130 (107) | |
| | Hexachloroethane | 50 | 40.2 | ug/L | 80 | | | | 20 (76) | 160 (118) | |
| | Nitrobenzene | 50 | 42.3 | ug/L | 85 | | | | 70 (58) | 130 (106) | |
| | Isophorone | 50 | 39.9 | ug/L | 80 | | | | 70 (61) | 130 (102) | |
| | 2-Nitrophenol | 50 | 43.8 | ug/L | 88 | | | | 70 (70) | 130 (115) | |
| | 2,4-Dimethylphenol | 50 | 42.9 | ug/L | 86 | | | | 70 (42) | 130 (142) | |
| | bis(2-Chloroethoxy)methane | 50 | 41.3 | ug/L | 83 | | | | 70 (58) | 130 (109) | |
| | 2,4-Dichlorophenol | 50 | 43.0 | ug/L | 86 | | | | 70 (66) | 130 (115) | |
| | Naphthalene | 50 | 40.9 | ug/L | 82 | | | | 70 (64) | 130 (107) | |
| | 4-Chloroaniline | 50 | 17.7 | ug/L | 35 | | * | | 70 (10) | 130 (85) | |
| | Hexachlorobutadiene | 50 | 41.9 | ug/L | 84 | | | | 70 (69) | 130 (101) | |
| | Caprolactam | 50 | 37.4 | ug/L | 75 | | | | 20 (58) | 160 (128) | |
| | 4-Chloro-3-methylphenol | 50 | 40.8 | ug/L | 82 | | | | 70 (65) | 130 (114) | |
| | 2-Methylnaphthalene | 50 | 39.9 | ug/L | 80 | | | | 70 (64) | 130 (107) | |
| | Hexachlorocyclopentadiene | 100 | 95.8 | ug/L | 96 | | | | 20 (36) | 160 (160) | |
| | 2,4,6-Trichlorophenol | 50 | 44.8 | ug/L | 90 | | | | 70 (61) | 130 (110) | |
| | 2,4,5-Trichlorophenol | 50 | 44.3 | ug/L | 89 | | | | 70 (70) | 130 (106) | |
| | 1,1-Biphenyl | 50 | 43.2 | ug/L | 86 | | | | 70 (72) | 130 (98) | |
| | 2-Chloronaphthalene | 50 | 42.9 | ug/L | 86 | | | | 70 (59) | 130 (106) | |
| | 2-Nitroaniline | 50 | 44.7 | ug/L | 89 | | | | 70 (73) | 130 (114) | |
| | Dimethylphthalate | 50 | 41.2 | ug/L | 82 | | | | 70 (64) | 130 (103) | |
| | Acenaphthylene | 50 | 42.3 | ug/L | 85 | | | | 70 (79) | 130 (103) | |
| | 2,6-Dinitrotoluene | 50 | 43.1 | ug/L | 86 | | | | 70 (64) | 130 (110) | |
| | 3-Nitroaniline | 50 | 24.8 | ug/L | 50 | | * | | 70 (28) | 130 (100) | |
| | Acenaphthene | 50 | 42.1 | ug/L | 84 | | | | 70 (59) | 130 (113) | |
| | 2,4-Dinitrophenol | 100 | 79.6 | ug/L | 80 | | | | 20 (36) | 160 (166) | |
| | 4-Nitrophenol | 100 | 75.7 | ug/L | 76 | | | | 20 (45) | 160 (147) | |
| | Dibenzofuran | 50 | 41.8 | ug/L | 84 | | | | 70 (65) | 130 (106) | |
| | 2,4-Dinitrotoluene | 50 | 42.9 | ug/L | 86 | | | | 70 (60) | 130 (115) | |
| | Diethylphthalate | 50 | 40.0 | ug/L | 80 | | | | 70 (63) | 130 (105) | |
| | 4-Chlorophenyl-phenylether | 50 | 41.7 | ug/L | 83 | | | | 70 (61) | 130 (104) | |
| | Fluorene | 50 | 41.6 | ug/L | 83 | | | | 70 (64) | 130 (107) | |
| | 4-Nitroaniline | 50 | 38.0 | ug/L | 76 | | | | 70 (55) | 130 (125) | |
| | 4,6-Dinitro-2-methylphenol | 50 | 44.5 | ug/L | 89 | | | | 70 (62) | 130 (132) | |
| | N-Nitrosodiphenylamine | 50 | 45.5 | ug/L | 91 | | | | 70 (61) | 130 (109) | |

( ) = LABORATORY INHOUSE LIMIT

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1945

**Client:** G Environmental

**Analytical Method:** 8270E **DataFile:** BM050142.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB167889BS | 4-Bromophenyl-phenylether | 50 | 44.3 | ug/L | 89 | | | | 70 (73) | 130 (103) | |
| | Hexachlorobenzene | 50 | 44.5 | ug/L | 89 | | | | 70 (73) | 130 (106) | |
| | Atrazine | 50 | 43.7 | ug/L | 87 | | | | 70 (76) | 130 (120) | |
| | Pentachlorophenol | 100 | 95.9 | ug/L | 96 | | | | 20 (47) | 160 (114) | |
| | Phenanthrene | 50 | 43.2 | ug/L | 86 | | | | 70 (62) | 130 (109) | |
| | Anthracene | 50 | 43.9 | ug/L | 88 | | | | 70 (65) | 130 (110) | |
| | Carbazole | 50 | 43.3 | ug/L | 87 | | | | 70 (62) | 130 (106) | |
| | Di-n-butylphthalate | 50 | 42.6 | ug/L | 85 | | | | 70 (64) | 130 (106) | |
| | Fluoranthene | 50 | 42.4 | ug/L | 85 | | | | 70 (64) | 130 (110) | |
| | Pyrene | 50 | 44.0 | ug/L | 88 | | | | 70 (71) | 130 (103) | |
| | Butylbenzylphthalate | 50 | 43.8 | ug/L | 88 | | | | 70 (61) | 130 (105) | |
| | 3,3-Dichlorobenzidine | 50 | 24.9 | ug/L | 50 | | * | | 70 (43) | 130 (108) | |
| | Benzo(a)anthracene | 50 | 43.8 | ug/L | 88 | | | | 70 (62) | 130 (107) | |
| | Chrysene | 50 | 43.2 | ug/L | 86 | | | | 70 (61) | 130 (108) | |
| | bis(2-Ethylhexyl)phthalate | 50 | 42.8 | ug/L | 86 | | | | 70 (59) | 130 (110) | |
| | Di-n-octyl phthalate | 50 | 43.7 | ug/L | 87 | | | | 70 (52) | 130 (139) | |
| | Benzo(b)fluoranthene | 50 | 43.5 | ug/L | 87 | | | | 70 (77) | 130 (113) | |
| | Benzo(k)fluoranthene | 50 | 42.0 | ug/L | 84 | | | | 70 (77) | 130 (105) | |
| | Benzo(a)pyrene | 50 | 43.9 | ug/L | 88 | | | | 70 (72) | 130 (131) | |
| | Indeno(1,2,3-cd)pyrene | 50 | 48.7 | ug/L | 97 | | | | 70 (72) | 130 (105) | |
| | Dibenz(a,h)anthracene | 50 | 49.0 | ug/L | 98 | | | | 70 (78) | 130 (115) | |
| | Benzo(g,h,i)perylene | 50 | 48.5 | ug/L | 97 | | | | 70 (75) | 130 (118) | |
| | 1,2,4,5-Tetrachlorobenzene | 50 | 44.2 | ug/L | 88 | | | | 70 (72) | 130 (101) | |
| | 1,4-Dioxane | 50 | 33.9 | ug/L | 68 | | | | 20 (38) | 160 (125) | |
| | 2,3,4,6-Tetrachlorophenol | 50 | 41.9 | ug/L | 84 | | | | 70 (63) | 130 (116) | |

( ) = LABORATORY INHOUSE LIMIT

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1945

**Client:** G Environmental

**Analytical Method:** 8270E **DataFile:** BM050143.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB167889BSD | Benzaldehyde | 50 | 23.2 | ug/L | 46 | 1 | | | 20 (10) | 160 (162) | 20 (20) |
| | Aniline | 50 | 27.0 | ug/L | 54 | 4 | | | 20 (10) | 160 (130) | 20 (20) |
| | Phenol | 50 | 43.7 | ug/L | 87 | 2 | | | 20 (66) | 160 (118) | 20 (20) |
| | bis(2-Chloroethyl)ether | 50 | 41.7 | ug/L | 83 | 3 | | | 70 (62) | 130 (103) | 20 (20) |
| | 2-Chlorophenol | 50 | 43.7 | ug/L | 87 | 3 | | | 70 (70) | 130 (117) | 20 (20) |
| | 2-Methylphenol | 50 | 42.7 | ug/L | 85 | 2 | | | 70 (69) | 130 (109) | 20 (20) |
| | 2,2-oxybis(1-Chloropropane) | 50 | 41.6 | ug/L | 83 | 2 | | | 70 (65) | 130 (100) | 20 (20) |
| | Acetophenone | 50 | 42.8 | ug/L | 86 | 3 | | | 70 (60) | 130 (104) | 20 (20) |
| | 3+4-Methylphenols | 50 | 42.0 | ug/L | 84 | 1 | | | 20 (67) | 160 (106) | 20 (20) |
| | N-Nitroso-di-n-propylamine | 50 | 40.2 | ug/L | 80 | 2 | | | 70 (57) | 130 (107) | 20 (20) |
| | Hexachloroethane | 50 | 41.7 | ug/L | 83 | 4 | | | 20 (76) | 160 (118) | 20 (20) |
| | Nitrobenzene | 50 | 43.5 | ug/L | 87 | 3 | | | 70 (58) | 130 (106) | 20 (20) |
| | Isophorone | 50 | 40.9 | ug/L | 82 | 2 | | | 70 (61) | 130 (102) | 20 (20) |
| | 2-Nitrophenol | 50 | 45.0 | ug/L | 90 | 3 | | | 70 (70) | 130 (115) | 20 (20) |
| | 2,4-Dimethylphenol | 50 | 44.0 | ug/L | 88 | 3 | | | 70 (42) | 130 (142) | 20 (20) |
| | bis(2-Chloroethoxy)methane | 50 | 42.0 | ug/L | 84 | 2 | | | 70 (58) | 130 (109) | 20 (20) |
| | 2,4-Dichlorophenol | 50 | 44.5 | ug/L | 89 | 3 | | | 70 (66) | 130 (115) | 20 (20) |
| | Naphthalene | 50 | 42.4 | ug/L | 85 | 4 | | | 70 (64) | 130 (107) | 20 (20) |
| | 4-Chloroaniline | 50 | 16.2 | ug/L | 32 | 9 | * | | 70 (10) | 130 (85) | 20 (20) |
| | Hexachlorobutadiene | 50 | 43.7 | ug/L | 87 | 4 | | | 70 (69) | 130 (101) | 20 (20) |
| | Caprolactam | 50 | 37.8 | ug/L | 76 | 1 | | | 20 (58) | 160 (128) | 20 (20) |
| | 4-Chloro-3-methylphenol | 50 | 41.1 | ug/L | 82 | 1 | | | 70 (65) | 130 (114) | 20 (20) |
| | 2-Methylnaphthalene | 50 | 41.1 | ug/L | 82 | 3 | | | 70 (64) | 130 (107) | 20 (20) |
| | Hexachlorocyclopentadiene | 100 | 98.8 | ug/L | 99 | 3 | | | 20 (36) | 160 (160) | 20 (20) |
| | 2,4,6-Trichlorophenol | 50 | 45.6 | ug/L | 91 | 2 | | | 70 (61) | 130 (110) | 20 (20) |
| | 2,4,5-Trichlorophenol | 50 | 45.8 | ug/L | 92 | 3 | | | 70 (70) | 130 (106) | 20 (20) |
| | 1,1-Biphenyl | 50 | 44.4 | ug/L | 89 | 3 | | | 70 (72) | 130 (98) | 20 (20) |
| | 2-Chloronaphthalene | 50 | 44.6 | ug/L | 89 | 4 | | | 70 (59) | 130 (106) | 20 (20) |
| | 2-Nitroaniline | 50 | 45.7 | ug/L | 91 | 2 | | | 70 (73) | 130 (114) | 20 (20) |
| | Dimethylphthalate | 50 | 42.1 | ug/L | 84 | 2 | | | 70 (64) | 130 (103) | 20 (20) |
| | Acenaphthylene | 50 | 43.5 | ug/L | 87 | 3 | | | 70 (79) | 130 (103) | 20 (20) |
| | 2,6-Dinitrotoluene | 50 | 43.9 | ug/L | 88 | 2 | | | 70 (64) | 130 (110) | 20 (20) |
| | 3-Nitroaniline | 50 | 23.6 | ug/L | 47 | 5 | * | | 70 (28) | 130 (100) | 20 (20) |
| | Acenaphthene | 50 | 43.4 | ug/L | 87 | 3 | | | 70 (59) | 130 (113) | 20 (20) |
| | 2,4-Dinitrophenol | 100 | 81.0 | ug/L | 81 | 2 | | | 20 (36) | 160 (166) | 20 (20) |
| | 4-Nitrophenol | 100 | 75.5 | ug/L | 76 | 0 | | | 20 (45) | 160 (147) | 20 (20) |
| | Dibenzofuran | 50 | 42.6 | ug/L | 85 | 2 | | | 70 (65) | 130 (106) | 20 (20) |
| | 2,4-Dinitrotoluene | 50 | 43.4 | ug/L | 87 | 1 | | | 70 (60) | 130 (115) | 20 (20) |
| | Diethylphthalate | 50 | 40.7 | ug/L | 81 | 2 | | | 70 (63) | 130 (105) | 20 (20) |
| | 4-Chlorophenyl-phenylether | 50 | 42.7 | ug/L | 85 | 2 | | | 70 (61) | 130 (104) | 20 (20) |
| | Fluorene | 50 | 42.4 | ug/L | 85 | 2 | | | 70 (64) | 130 (107) | 20 (20) |
| | 4-Nitroaniline | 50 | 37.3 | ug/L | 75 | 2 | | | 70 (55) | 130 (125) | 20 (20) |
| | 4,6-Dinitro-2-methylphenol | 50 | 45.5 | ug/L | 91 | 2 | | | 70 (62) | 130 (132) | 20 (20) |
| | N-Nitrosodiphenylamine | 50 | 46.2 | ug/L | 92 | 2 | | | 70 (61) | 130 (109) | 20 (20) |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1945

**Client:** G Environmental

**Analytical Method:** 8270E **DataFile:** BM050143.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB167889BSD | 4-Bromophenyl-phenylether | 50 | 45.6 | ug/L | 91 | 3 | | | 70 (73) | 130 (103) | 20 (20) |
| | Hexachlorobenzene | 50 | 45.6 | ug/L | 91 | 2 | | | 70 (73) | 130 (106) | 20 (20) |
| | Atrazine | 50 | 44.0 | ug/L | 88 | 1 | | | 70 (76) | 130 (120) | 20 (20) |
| | Pentachlorophenol | 100 | 97.1 | ug/L | 97 | 1 | | | 20 (47) | 160 (114) | 20 (20) |
| | Phenanthrene | 50 | 44.3 | ug/L | 89 | 3 | | | 70 (62) | 130 (109) | 20 (20) |
| | Anthracene | 50 | 44.6 | ug/L | 89 | 2 | | | 70 (65) | 130 (110) | 20 (20) |
| | Carbazole | 50 | 44.0 | ug/L | 88 | 2 | | | 70 (62) | 130 (106) | 20 (20) |
| | Di-n-butylphthalate | 50 | 43.1 | ug/L | 86 | 1 | | | 70 (64) | 130 (106) | 20 (20) |
| | Fluoranthene | 50 | 42.5 | ug/L | 85 | 0 | | | 70 (64) | 130 (110) | 20 (20) |
| | Pyrene | 50 | 46.5 | ug/L | 93 | 6 | | | 70 (71) | 130 (103) | 20 (20) |
| | Butylbenzylphthalate | 50 | 45.3 | ug/L | 91 | 3 | | | 70 (61) | 130 (105) | 20 (20) |
| | 3,3-Dichlorobenzidine | 50 | 25.0 | ug/L | 50 | 0 | * | | 70 (43) | 130 (108) | 20 (20) |
| | Benzo(a)anthracene | 50 | 45.0 | ug/L | 90 | 3 | | | 70 (62) | 130 (107) | 20 (20) |
| | Chrysene | 50 | 44.3 | ug/L | 89 | 3 | | | 70 (61) | 130 (108) | 20 (20) |
| | bis(2-Ethylhexyl)phthalate | 50 | 44.2 | ug/L | 88 | 3 | | | 70 (59) | 130 (110) | 20 (20) |
| | Di-n-octyl phthalate | 50 | 44.4 | ug/L | 89 | 2 | | | 70 (52) | 130 (139) | 20 (20) |
| | Benzo(b)fluoranthene | 50 | 44.1 | ug/L | 88 | 1 | | | 70 (77) | 130 (113) | 20 (20) |
| | Benzo(k)fluoranthene | 50 | 43.1 | ug/L | 86 | 3 | | | 70 (77) | 130 (105) | 20 (20) |
| | Benzo(a)pyrene | 50 | 44.6 | ug/L | 89 | 2 | | | 70 (72) | 130 (131) | 20 (20) |
| | Indeno(1,2,3-cd)pyrene | 50 | 50.2 | ug/L | 100 | 3 | | | 70 (72) | 130 (105) | 20 (20) |
| | Dibenz(a,h)anthracene | 50 | 50.4 | ug/L | 101 | 3 | | | 70 (78) | 130 (115) | 20 (20) |
| | Benzo(g,h,i)perylene | 50 | 50.4 | ug/L | 101 | 4 | | | 70 (75) | 130 (118) | 20 (20) |
| | 1,2,4,5-Tetrachlorobenzene | 50 | 45.8 | ug/L | 92 | 4 | | | 70 (72) | 130 (101) | 20 (20) |
| | 1,4-Dioxane | 50 | 35.6 | ug/L | 71 | 5 | | | 20 (38) | 160 (125) | 20 (20) |
| | 2,3,4,6-Tetrachlorophenol | 50 | 42.9 | ug/L | 86 | 2 | | | 70 (63) | 130 (116) | 20 (20) |

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167889BL

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945 SDG NO.: Q1945

Lab File ID: BM050141.D Lab Sample ID: PB167889BL

Instrument ID: BNA_M Date Extracted: 05/07/2025

Matrix: (soil/water) Water Date Analyzed: 05/08/2025

Level: (low/med) LOW Time Analyzed: 11:21

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| PB167889BS | PB167889BS | BM050142.D | 05/08/2025 |
| PB167889BSD | PB167889BSD | BM050143.D | 05/08/2025 |
| GB1W | Q1945-01 | BM050134.D | 05/07/2025 |
| GB3W | Q1945-02 | BM050135.D | 05/07/2025 |

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1945 SDG NO.: Q1945

Lab File ID: BM050023.D DFTPP Injection Date: 04/28/2025

Instrument ID: BNA_M DFTPP Injection Time: 11:46

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 23.8 |
| 68 | Less than 2.0% of mass 69 | 0.4 ( 1.3 ) 1 |
| 69 | Mass 69 relative abundance | 28.5 |
| 70 | Less than 2.0% of mass 69 | 0.1 ( 0.4 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 35.7 |
| 197 | Less than 2.0% of mass 198 | 0.4 |
| 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 | 26.2 |
| 365 | Greater than 1% of mass 198 | 3.5 |
| 441 | Present, but less than mass 443 | 11.6 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 14.4 (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 |
|---|---|---|---|---|
| SSTDICC2.5 | SSTDICC2.5 | BM050024.D | 04/28/2025 | 12:30 |
| SSTDICC005 | SSTDICC005 | BM050025.D | 04/28/2025 | 13:09 |
| SSTDICC010 | SSTDICC010 | BM050026.D | 04/28/2025 | 13:48 |
| SSTDICC020 | SSTDICC020 | BM050027.D | 04/28/2025 | 14:27 |
| SSTDICCC040 | SSTDICCC040 | BM050028.D | 04/28/2025 | 15:06 |
| SSTDICC050 | SSTDICC050 | BM050029.D | 04/28/2025 | 15:45 |
| SSTDICC060 | SSTDICC060 | BM050030.D | 04/28/2025 | 16:24 |
| SSTDICC080 | SSTDICC080 | BM050031.D | 04/28/2025 | 17:04 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1945 SDG NO.: Q1945

Lab File ID: BM050128.D DFTPP Injection Date: 05/07/2025

Instrument ID: BNA_M DFTPP Injection Time: 09:17

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 23 |
| 68 | Less than 2.0% of mass 69 | 0.4 ( 1.4 ) 1 |
| 69 | Mass 69 relative abundance | 27.7 |
| 70 | Less than 2.0% of mass 69 | 0.1 ( 0.5 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 35 |
| 197 | Less than 2.0% of mass 198 | 0.4 |
| 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 | 26.1 |
| 365 | Greater than 1% of mass 198 | 3.4 |
| 441 | Present, but less than mass 443 | 12 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 14.6 (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 |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BM050129.D | 05/07/2025 | 09:56 |
| GB1W | Q1945-01 | BM050134.D | 05/07/2025 | 14:26 |
| GB3W | Q1945-02 | BM050135.D | 05/07/2025 | 15:05 |
| GB1WDL | Q1945-01DL | BM050137.D | 05/07/2025 | 16:24 |
| GB3WDL | Q1945-02DL | BM050138.D | 05/07/2025 | 17:03 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM SAS No.: Q1945 SDG NO.: Q1945

Lab File ID: BM050139.D DFTPP Injection Date: 05/08/2025

Instrument ID: BNA_M DFTPP Injection Time: 09:59

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 21.7 |
| 68 | Less than 2.0% of mass 69 | 0.4 ( 1.4 ) 1 |
| 69 | Mass 69 relative abundance | 25.8 |
| 70 | Less than 2.0% of mass 69 | 0.1 ( 0.4 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 33.5 |
| 197 | Less than 2.0% of mass 198 | 0.4 |
| 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 | 27.3 |
| 365 | Greater than 1% of mass 198 | 3.9 |
| 441 | Present, but less than mass 443 | 13.6 |
| 442 | Greater than 50% of mass 198 | 100 |
| 443 | 15.0 - 24.0% of mass 442 | 16.8 (19.5) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BM050140.D | 05/08/2025 | 10:41 |
| PB167889BL | PB167889BL | BM050141.D | 05/08/2025 | 11:21 |
| PB167889BS | PB167889BS | BM050142.D | 05/08/2025 | 12:00 |
| PB167889BSD | PB167889BSD | BM050143.D | 05/08/2025 | 12:39 |

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945 SDG NO.: Q1945

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/07/2025

Lab File ID: BM050129.D Time Analyzed: 09:56

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

| | | IS1 (DCB) AREA # | RT # | IS2 (NPT) AREA # | RT # | IS3 (ANT) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 266306 | 7.746 | 985466 | 10.53 | 648787 | 14.39 |
| | UPPER LIMIT | 532612 | 8.246 | 1970930 | 11.034 | 1297570 | 14.892 |
| | LOWER LIMIT | 133153 | 7.246 | 492733 | 10.034 | 324394 | 13.892 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | GB1W | 277291 | 7.75 | 994970 | 10.54 | 676090 | 14.39 |
| 02 | GB1WDL | 237908 | 7.75 | 833708 | 10.54 | 563306 | 14.39 |
| 03 | GB3W | 242816 | 7.75 | 891368 | 10.54 | 635661 | 14.39 |
| 04 | GB3WDL | 252681 | 7.75 | 948637 | 10.54 | 680621 | 14.39 |

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.: Q1945 SAS No.: Q1945 SDG NO.: Q1945

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/07/2025

Lab File ID: BM050129.D Time Analyzed: 09:56

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

| | | IS4 (PHN) AREA # | RT # | IS5 (CRY) AREA # | RT # | IS6 (PRY) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 1276060 | 17.139 | 1188730 | 21.386 | 1179190 | 24.38 |
| | UPPER LIMIT | 2552120 | 17.639 | 2377460 | 21.886 | 2358380 | 24.88 |
| | LOWER LIMIT | 638030 | 16.639 | 594365 | 20.886 | 589595 | 23.88 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | GB1W | 1357980 | 17.15 | 1252370 | 21.39 | 1282160 | 24.39 |
| 02 | GB1WDL | 1154970 | 17.15 | 1121660 | 21.39 | 1136200 | 24.39 |
| 03 | GB3W | 1255360 | 17.15 | 1187380 | 21.39 | 1257760 | 24.39 |
| 04 | GB3WDL | 1371680 | 17.15 | 1252990 | 21.39 | 1255100 | 24.39 |

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.: Q1945 SAS No.: Q1945 SDG NO.: Q1945

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/08/2025

Lab File ID: BM050140.D Time Analyzed: 10:41

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

| | | IS1 (DCB) AREA # | RT # | IS2 (NPT) AREA # | RT # | IS3 (ANT) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 370324 | 7.74 | 1368860 | 10.53 | 879874 | 14.39 |
| | UPPER LIMIT | 740648 | 8.24 | 2737720 | 11.034 | 1759750 | 14.892 |
| | LOWER LIMIT | 185162 | 7.24 | 684430 | 10.034 | 439937 | 13.892 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB167889BL | 284899 | 7.74 | 988666 | 10.54 | 615934 | 14.39 |
| 02 | PB167889BS | 270040 | 7.74 | 938494 | 10.53 | 568093 | 14.39 |
| 03 | PB167889BSD | 264346 | 7.74 | 911076 | 10.53 | 548910 | 14.39 |

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.: Q1945 SAS No.: Q1945 SDG NO.: Q1945

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/08/2025

Lab File ID: BM050140.D Time Analyzed: 10:41

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

| | | IS4 (PHN) AREA # | RT # | IS5 (CRY) AREA # | RT # | IS6 (PRY) AREA # | RT # |
|---|---|---|---|---|---|---|---|
| | 12 HOUR STD | 1654930 | 17.139 | 1237710 | 21.386 | 1026250 | 24.38 |
| | UPPER LIMIT | 3309860 | 17.639 | 2475420 | 21.886 | 2052500 | 24.88 |
| | LOWER LIMIT | 827465 | 16.639 | 618855 | 20.886 | 513125 | 23.88 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | PB167889BL | 1138370 | 17.15 | 926404 | 21.39 | 1008660 | 24.39 |
| 02 | PB167889BS | 1021170 | 17.14 | 945959 | 21.38 | 977986 | 24.38 |
| 03 | PB167889BSD | 982803 | 17.14 | 868474 | 21.39 | 893841 | 24.38 |

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

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: | |
| Project: | Amsterdam | Date Received: | |
| Client Sample ID: | PB167889BL | SDG No.: | Q1945 |
| Lab Sample ID: | PB167889BL | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050141.D | 1 | 05/07/25 08:53 | 05/08/25 11:21 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 3.90 | U | 3.90 | 10.0 | ug/L |
| 62-53-3 | Aniline | 1.50 | U | 1.50 | 5.00 | ug/L |
| 108-95-2 | Phenol | 0.91 | U | 0.91 | 5.00 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 0.81 | U | 0.81 | 5.00 | ug/L |
| 95-57-8 | 2-Chlorophenol | 0.58 | U | 0.58 | 5.00 | ug/L |
| 95-48-7 | 2-Methylphenol | 1.10 | U | 1.10 | 5.00 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 1.30 | U | 1.30 | 5.00 | ug/L |
| 98-86-2 | Acetophenone | 0.74 | U | 0.74 | 5.00 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 1.10 | U | 1.10 | 10.0 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 1.40 | U | 1.40 | 2.50 | ug/L |
| 67-72-1 | Hexachloroethane | 0.65 | U | 0.65 | 5.00 | ug/L |
| 98-95-3 | Nitrobenzene | 0.76 | U | 0.76 | 5.00 | ug/L |
| 78-59-1 | Isophorone | 0.75 | U | 0.75 | 5.00 | ug/L |
| 88-75-5 | 2-Nitrophenol | 1.80 | U | 1.80 | 5.00 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 1.90 | U | 1.90 | 5.00 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 0.68 | U | 0.68 | 5.00 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 0.52 | U | 0.52 | 5.00 | ug/L |
| 91-20-3 | Naphthalene | 0.50 | U | 0.50 | 5.00 | ug/L |
| 106-47-8 | 4-Chloroaniline | 0.84 | U | 0.84 | 5.00 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 0.54 | U | 0.54 | 5.00 | ug/L |
| 105-60-2 | Caprolactam | 1.10 | U | 1.10 | 10.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 0.59 | U | 0.59 | 5.00 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 0.56 | U | 0.56 | 5.00 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 3.60 | U | 3.60 | 10.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 0.51 | U | 0.51 | 5.00 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 0.62 | U | 0.62 | 5.00 | ug/L |
| 92-52-4 | 1,1-Biphenyl | 0.53 | U | 0.53 | 5.00 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 0.61 | U | 0.61 | 5.00 | ug/L |
| 88-74-4 | 2-Nitroaniline | 1.30 | U | 1.30 | 5.00 | ug/L |

Raw Data: **BM050141.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Amsterdam | | | Date Received: | |
| Client Sample ID: | PB167889BL | | | SDG No.: | Q1945 |
| Lab Sample ID: | PB167889BL | | | Matrix: | Water |
| Analytical Method: | SW8270 | | | % Solid: | 0 |
| Sample Wt/Vol: | 1000 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050141.D | 1 | 05/07/25 08:53 | 05/08/25 11:21 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 131-11-3 | Dimethylphthalate | 0.61 | U | 0.61 | 5.00 | ug/L |
| 208-96-8 | Acenaphthylene | 0.75 | U | 0.75 | 5.00 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 0.92 | U | 0.92 | 5.00 | ug/L |
| 99-09-2 | 3-Nitroaniline | 1.10 | U | 1.10 | 5.00 | ug/L |
| 83-32-9 | Acenaphthene | 0.55 | U | 0.55 | 5.00 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 6.00 | U | 6.00 | 10.0 | ug/L |
| 100-02-7 | 4-Nitrophenol | 2.40 | U | 2.40 | 10.0 | ug/L |
| 132-64-9 | Dibenzofuran | 0.61 | U | 0.61 | 5.00 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 1.20 | U | 1.20 | 5.00 | ug/L |
| 84-66-2 | Diethylphthalate | 0.69 | U | 0.69 | 5.00 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 0.68 | U | 0.68 | 5.00 | ug/L |
| 86-73-7 | Fluorene | 0.63 | U | 0.63 | 5.00 | ug/L |
| 100-01-6 | 4-Nitroaniline | 1.50 | U | 1.50 | 5.00 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 2.90 | U | 2.90 | 10.0 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 0.58 | U | 0.58 | 5.00 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 0.40 | U | 0.40 | 5.00 | ug/L |
| 118-74-1 | Hexachlorobenzene | 0.52 | U | 0.52 | 5.00 | ug/L |
| 1912-24-9 | Atrazine | 1.00 | U | 1.00 | 5.00 | ug/L |
| 87-86-5 | Pentachlorophenol | 1.60 | U | 1.60 | 10.0 | ug/L |
| 85-01-8 | Phenanthrene | 0.50 | U | 0.50 | 5.00 | ug/L |
| 120-12-7 | Anthracene | 0.61 | U | 0.61 | 5.00 | ug/L |
| 86-74-8 | Carbazole | 0.72 | U | 0.72 | 5.00 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 1.20 | U | 1.20 | 5.00 | ug/L |
| 206-44-0 | Fluoranthene | 0.82 | U | 0.82 | 5.00 | ug/L |
| 129-00-0 | Pyrene | 0.50 | U | 0.50 | 5.00 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 1.90 | U | 1.90 | 5.00 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 0.93 | U | 0.93 | 10.0 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 0.45 | U | 0.45 | 5.00 | ug/L |
| 218-01-9 | Chrysene | 0.44 | U | 0.44 | 5.00 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 1.60 | U | 1.60 | 5.00 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 2.30 | U | 2.30 | 10.0 | ug/L |

Raw Data: **BM050141.D**

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Amsterdam | | | Date Received: | |
| Client Sample ID: | PB167889BL | | | SDG No.: | Q1945 |
| Lab Sample ID: | PB167889BL | | | Matrix: | Water |
| Analytical Method: | SW8270 | | | % Solid: | 0 |
| Sample Wt/Vol: | 1000 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050141.D | 1 | 05/07/25 08:53 | 05/08/25 11:21 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 205-99-2 | Benzo(b)fluoranthene | 0.49 | U | 0.49 | 5.00 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 0.48 | U | 0.48 | 5.00 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 0.55 | U | 0.55 | 5.00 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.59 | U | 0.59 | 5.00 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.67 | U | 0.67 | 5.00 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 0.69 | U | 0.69 | 5.00 | ug/L |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 0.52 | U | 0.52 | 5.00 | ug/L |
| 123-91-1 | 1,4-Dioxane | 1.00 | U | 1.00 | 5.00 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 0.72 | U | 0.72 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 134 | | 15 (10) - 110 (139) | 90% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 128 | | 15 (10) - 110 (134) | 85% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 78.9 | | 30 (49) - 130 (133) | 79% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 80.6 | | 30 (52) - 130 (132) | 81% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 129 | | 15 (44) - 110 (137) | 86% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 92.2 | | 30 (48) - 130 (125) | 92% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 285000 | 7.739 | | | |
| 1146-65-2 | Naphthalene-d8 | 989000 | 10.539 | | | |
| 15067-26-2 | Acenaphthene-d10 | 616000 | 14.392 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1140000 | 17.145 | | | |
| 1719-03-5 | Chrysene-d12 | 926000 | 21.391 | | | |
| 1520-96-3 | Perylene-d12 | 1010000 | 24.385 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |
| 000123-42-2 | 2-Pentanone, 4-hydroxy-4-methyl- | 7.80 | A | | 4.87 | ug/L |

Raw Data: **BM050141.D**

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# Report of Analysis

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Client: | G Environmental | | | | Date Collected: | | |
| Project: | Amsterdam | | | | Date Received: | | |
| Client Sample ID: | PB167889BL | | | | SDG No.: | Q1945 | |
| Lab Sample ID: | PB167889BL | | | | Matrix: | Water | |
| Analytical Method: | SW8270 | | | | % Solid: | 0 | |
| Sample Wt/Vol: | 1000 | Units: | mL | | Final Vol: | 1000 | uL |
| Soil Aliquot Vol: | | | uL | | Test: | SVOCMS Group1 | |
| Extraction Type : | | | Decanted : | N | Level : | LOW | |
| Injection Volume : | | | GPC Factor : | 1.0 | GPC Cleanup : | N | PH : |
| Prep Method : | SW3510C | | | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050141.D | 1 | 05/07/25 08:53 | 05/08/25 11:21 | PB167889 |

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

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

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

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Amsterdam | | | Date Received: | |
| Client Sample ID: | PB167889BS | | | SDG No.: | Q1945 |
| Lab Sample ID: | PB167889BS | | | Matrix: | Water |
| Analytical Method: | SW8270 | | | % Solid: | 0 |
| Sample Wt/Vol: | 1000 | Units: mL | | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | uL | | Test: | SVOCMS Group1 |
| Extraction Type : | | Decanted : N | | Level : | LOW |
| Injection Volume : | | GPC Factor : 1.0 | | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050142.D | 1 | 05/07/25 08:53 | 05/08/25 12:00 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 23.0 | | 3.90 | 10.0 | ug/L |
| 62-53-3 | Aniline | 28.0 | | 1.50 | 5.00 | ug/L |
| 108-95-2 | Phenol | 42.9 | | 0.91 | 5.00 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 40.5 | | 0.81 | 5.00 | ug/L |
| 95-57-8 | 2-Chlorophenol | 42.6 | | 0.58 | 5.00 | ug/L |
| 95-48-7 | 2-Methylphenol | 41.7 | | 1.10 | 5.00 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 40.9 | | 1.30 | 5.00 | ug/L |
| 98-86-2 | Acetophenone | 41.5 | | 0.74 | 5.00 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 41.5 | | 1.10 | 10.0 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 39.6 | | 1.40 | 2.50 | ug/L |
| 67-72-1 | Hexachloroethane | 40.2 | | 0.65 | 5.00 | ug/L |
| 98-95-3 | Nitrobenzene | 42.3 | | 0.76 | 5.00 | ug/L |
| 78-59-1 | Isophorone | 39.9 | | 0.75 | 5.00 | ug/L |
| 88-75-5 | 2-Nitrophenol | 43.8 | | 1.80 | 5.00 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 42.9 | | 1.90 | 5.00 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 41.3 | | 0.68 | 5.00 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 43.0 | | 0.52 | 5.00 | ug/L |
| 91-20-3 | Naphthalene | 40.9 | | 0.50 | 5.00 | ug/L |
| 106-47-8 | 4-Chloroaniline | 17.7 | | 0.84 | 5.00 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 41.9 | | 0.54 | 5.00 | ug/L |
| 105-60-2 | Caprolactam | 37.4 | | 1.10 | 10.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 40.8 | | 0.59 | 5.00 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 39.9 | | 0.56 | 5.00 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 95.8 | E | 3.60 | 10.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 44.8 | | 0.51 | 5.00 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 44.3 | | 0.62 | 5.00 | ug/L |
| 92-52-4 | 1,1-Biphenyl | 43.2 | | 0.53 | 5.00 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 42.9 | | 0.61 | 5.00 | ug/L |
| 88-74-4 | 2-Nitroaniline | 44.7 | | 1.30 | 5.00 | ug/L |

Raw Data: **BM050142.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Amsterdam | Date Received: | |
| Client Sample ID: | PB167889BS | SDG No.: | Q1945 |
| Lab Sample ID: | PB167889BS | Matrix: | Water |
| Analytical Method: | SW8270 | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | SVOCMS Group1 |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050142.D | 1 | 05/07/25 08:53 | 05/08/25 12:00 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 131-11-3 | Dimethylphthalate | 41.2 | | 0.61 | 5.00 | ug/L |
| 208-96-8 | Acenaphthylene | 42.3 | | 0.75 | 5.00 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 43.1 | | 0.92 | 5.00 | ug/L |
| 99-09-2 | 3-Nitroaniline | 24.8 | | 1.10 | 5.00 | ug/L |
| 83-32-9 | Acenaphthene | 42.1 | | 0.55 | 5.00 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 79.6 | | 6.00 | 10.0 | ug/L |
| 100-02-7 | 4-Nitrophenol | 75.7 | | 2.40 | 10.0 | ug/L |
| 132-64-9 | Dibenzofuran | 41.8 | | 0.61 | 5.00 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 42.9 | | 1.20 | 5.00 | ug/L |
| 84-66-2 | Diethylphthalate | 40.0 | | 0.69 | 5.00 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 41.7 | | 0.68 | 5.00 | ug/L |
| 86-73-7 | Fluorene | 41.6 | | 0.63 | 5.00 | ug/L |
| 100-01-6 | 4-Nitroaniline | 38.0 | | 1.50 | 5.00 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 44.5 | | 2.90 | 10.0 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 45.5 | | 0.58 | 5.00 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 44.3 | | 0.40 | 5.00 | ug/L |
| 118-74-1 | Hexachlorobenzene | 44.5 | | 0.52 | 5.00 | ug/L |
| 1912-24-9 | Atrazine | 43.7 | | 1.00 | 5.00 | ug/L |
| 87-86-5 | Pentachlorophenol | 95.9 | E | 1.60 | 10.0 | ug/L |
| 85-01-8 | Phenanthrene | 43.2 | | 0.50 | 5.00 | ug/L |
| 120-12-7 | Anthracene | 43.9 | | 0.61 | 5.00 | ug/L |
| 86-74-8 | Carbazole | 43.3 | | 0.72 | 5.00 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 42.6 | | 1.20 | 5.00 | ug/L |
| 206-44-0 | Fluoranthene | 42.4 | | 0.82 | 5.00 | ug/L |
| 129-00-0 | Pyrene | 44.0 | | 0.50 | 5.00 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 43.8 | | 1.90 | 5.00 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 24.9 | | 0.93 | 10.0 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 43.8 | | 0.45 | 5.00 | ug/L |
| 218-01-9 | Chrysene | 43.2 | | 0.44 | 5.00 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 42.8 | | 1.60 | 5.00 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 43.7 | | 2.30 | 10.0 | ug/L |

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Amsterdam | | | Date Received: | |
| Client Sample ID: | PB167889BS | | | SDG No.: | Q1945 |
| Lab Sample ID: | PB167889BS | | | Matrix: | Water |
| Analytical Method: | SW8270 | | | % Solid: | 0 |
| Sample Wt/Vol: | 1000 | Units: mL | | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | uL | | Test: | SVOCMS Group1 |
| Extraction Type : | | Decanted : N | | Level : | LOW |
| Injection Volume : | | GPC Factor : 1.0 | | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050142.D | 1 | 05/07/25 08:53 | 05/08/25 12:00 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 205-99-2 | Benzo(b)fluoranthene | 43.5 | | 0.49 | 5.00 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 42.0 | | 0.48 | 5.00 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 43.9 | | 0.55 | 5.00 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 48.7 | | 0.59 | 5.00 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 49.0 | | 0.67 | 5.00 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 48.5 | | 0.69 | 5.00 | ug/L |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 44.2 | | 0.52 | 5.00 | ug/L |
| 123-91-1 | 1,4-Dioxane | 33.9 | | 1.00 | 5.00 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 41.9 | | 0.72 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 127 | | 15 (10) - 110 (139) | 85% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 123 | | 15 (10) - 110 (134) | 82% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 74.0 | | 30 (49) - 130 (133) | 74% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 76.1 | | 30 (52) - 130 (132) | 76% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 124 | | 15 (44) - 110 (137) | 83% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 79.2 | | 30 (48) - 130 (125) | 79% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 270000 | 7.74 | | | |
| 1146-65-2 | Naphthalene-d8 | 938000 | 10.534 | | | |
| 15067-26-2 | Acenaphthene-d10 | 568000 | 14.392 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1020000 | 17.139 | | | |
| 1719-03-5 | Chrysene-d12 | 946000 | 21.38 | | | |
| 1520-96-3 | Perylene-d12 | 978000 | 24.38 | | | |

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

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: | |
| Project: | Amsterdam | | | Date Received: | |
| Client Sample ID: | PB167889BSD | | | SDG No.: | Q1945 |
| Lab Sample ID: | PB167889BSD | | | Matrix: | Water |
| Analytical Method: | SW8270 | | | % Solid: | 0 |
| Sample Wt/Vol: | 1000 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050143.D | 1 | 05/07/25 08:53 | 05/08/25 12:39 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 100-52-7 | Benzaldehyde | 23.2 | | 3.90 | 10.0 | ug/L |
| 62-53-3 | Aniline | 27.0 | | 1.50 | 5.00 | ug/L |
| 108-95-2 | Phenol | 43.7 | | 0.91 | 5.00 | ug/L |
| 111-44-4 | bis(2-Chloroethyl)ether | 41.7 | | 0.81 | 5.00 | ug/L |
| 95-57-8 | 2-Chlorophenol | 43.7 | | 0.58 | 5.00 | ug/L |
| 95-48-7 | 2-Methylphenol | 42.7 | | 1.10 | 5.00 | ug/L |
| 108-60-1 | 2,2-oxybis(1-Chloropropane) | 41.6 | | 1.30 | 5.00 | ug/L |
| 98-86-2 | Acetophenone | 42.8 | | 0.74 | 5.00 | ug/L |
| 65794-96-9 | 3+4-Methylphenols | 42.0 | | 1.10 | 10.0 | ug/L |
| 621-64-7 | n-Nitroso-di-n-propylamine | 40.2 | | 1.40 | 2.50 | ug/L |
| 67-72-1 | Hexachloroethane | 41.7 | | 0.65 | 5.00 | ug/L |
| 98-95-3 | Nitrobenzene | 43.5 | | 0.76 | 5.00 | ug/L |
| 78-59-1 | Isophorone | 40.9 | | 0.75 | 5.00 | ug/L |
| 88-75-5 | 2-Nitrophenol | 45.0 | | 1.80 | 5.00 | ug/L |
| 105-67-9 | 2,4-Dimethylphenol | 44.0 | | 1.90 | 5.00 | ug/L |
| 111-91-1 | bis(2-Chloroethoxy)methane | 42.0 | | 0.68 | 5.00 | ug/L |
| 120-83-2 | 2,4-Dichlorophenol | 44.5 | | 0.52 | 5.00 | ug/L |
| 91-20-3 | Naphthalene | 42.4 | | 0.50 | 5.00 | ug/L |
| 106-47-8 | 4-Chloroaniline | 16.2 | | 0.84 | 5.00 | ug/L |
| 87-68-3 | Hexachlorobutadiene | 43.7 | | 0.54 | 5.00 | ug/L |
| 105-60-2 | Caprolactam | 37.8 | | 1.10 | 10.0 | ug/L |
| 59-50-7 | 4-Chloro-3-methylphenol | 41.1 | | 0.59 | 5.00 | ug/L |
| 91-57-6 | 2-Methylnaphthalene | 41.1 | | 0.56 | 5.00 | ug/L |
| 77-47-4 | Hexachlorocyclopentadiene | 98.8 | E | 3.60 | 10.0 | ug/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 45.6 | | 0.51 | 5.00 | ug/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 45.8 | | 0.62 | 5.00 | ug/L |
| 92-52-4 | 1,1-Biphenyl | 44.4 | | 0.53 | 5.00 | ug/L |
| 91-58-7 | 2-Chloronaphthalene | 44.6 | | 0.61 | 5.00 | ug/L |
| 88-74-4 | 2-Nitroaniline | 45.7 | | 1.30 | 5.00 | ug/L |

Raw Data: **BM050143.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Amsterdam | | | Date Received: | |
| Client Sample ID: | PB167889BSD | | | SDG No.: | Q1945 |
| Lab Sample ID: | PB167889BSD | | | Matrix: | Water |
| Analytical Method: | SW8270 | | | % Solid: | 0 |
| Sample Wt/Vol: | 1000 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050143.D | 1 | 05/07/25 08:53 | 05/08/25 12:39 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 131-11-3 | Dimethylphthalate | 42.1 | | 0.61 | 5.00 | ug/L |
| 208-96-8 | Acenaphthylene | 43.5 | | 0.75 | 5.00 | ug/L |
| 606-20-2 | 2,6-Dinitrotoluene | 43.9 | | 0.92 | 5.00 | ug/L |
| 99-09-2 | 3-Nitroaniline | 23.6 | | 1.10 | 5.00 | ug/L |
| 83-32-9 | Acenaphthene | 43.4 | | 0.55 | 5.00 | ug/L |
| 51-28-5 | 2,4-Dinitrophenol | 81.0 | E | 6.00 | 10.0 | ug/L |
| 100-02-7 | 4-Nitrophenol | 75.5 | | 2.40 | 10.0 | ug/L |
| 132-64-9 | Dibenzofuran | 42.6 | | 0.61 | 5.00 | ug/L |
| 121-14-2 | 2,4-Dinitrotoluene | 43.4 | | 1.20 | 5.00 | ug/L |
| 84-66-2 | Diethylphthalate | 40.7 | | 0.69 | 5.00 | ug/L |
| 7005-72-3 | 4-Chlorophenyl-phenylether | 42.7 | | 0.68 | 5.00 | ug/L |
| 86-73-7 | Fluorene | 42.4 | | 0.63 | 5.00 | ug/L |
| 100-01-6 | 4-Nitroaniline | 37.3 | | 1.50 | 5.00 | ug/L |
| 534-52-1 | 4,6-Dinitro-2-methylphenol | 45.5 | | 2.90 | 10.0 | ug/L |
| 86-30-6 | n-Nitrosodiphenylamine | 46.2 | | 0.58 | 5.00 | ug/L |
| 101-55-3 | 4-Bromophenyl-phenylether | 45.6 | | 0.40 | 5.00 | ug/L |
| 118-74-1 | Hexachlorobenzene | 45.6 | | 0.52 | 5.00 | ug/L |
| 1912-24-9 | Atrazine | 44.0 | | 1.00 | 5.00 | ug/L |
| 87-86-5 | Pentachlorophenol | 97.1 | E | 1.60 | 10.0 | ug/L |
| 85-01-8 | Phenanthrene | 44.3 | | 0.50 | 5.00 | ug/L |
| 120-12-7 | Anthracene | 44.6 | | 0.61 | 5.00 | ug/L |
| 86-74-8 | Carbazole | 44.0 | | 0.72 | 5.00 | ug/L |
| 84-74-2 | Di-n-butylphthalate | 43.1 | | 1.20 | 5.00 | ug/L |
| 206-44-0 | Fluoranthene | 42.5 | | 0.82 | 5.00 | ug/L |
| 129-00-0 | Pyrene | 46.5 | | 0.50 | 5.00 | ug/L |
| 85-68-7 | Butylbenzylphthalate | 45.3 | | 1.90 | 5.00 | ug/L |
| 91-94-1 | 3,3-Dichlorobenzidine | 25.0 | | 0.93 | 10.0 | ug/L |
| 56-55-3 | Benzo(a)anthracene | 45.0 | | 0.45 | 5.00 | ug/L |
| 218-01-9 | Chrysene | 44.3 | | 0.44 | 5.00 | ug/L |
| 117-81-7 | Bis(2-ethylhexyl)phthalate | 44.2 | | 1.60 | 5.00 | ug/L |
| 117-84-0 | Di-n-octyl phthalate | 44.4 | | 2.30 | 10.0 | ug/L |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Amsterdam | | | Date Received: | |
| Client Sample ID: | PB167889BSD | | | SDG No.: | Q1945 |
| Lab Sample ID: | PB167889BSD | | | Matrix: | Water |
| Analytical Method: | SW8270 | | | % Solid: | 0 |
| Sample Wt/Vol: | 1000 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | SVOCMS Group1 |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3510C | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050143.D | 1 | 05/07/25 08:53 | 05/08/25 12:39 | PB167889 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 205-99-2 | Benzo(b)fluoranthene | 44.1 | | 0.49 | 5.00 | ug/L |
| 207-08-9 | Benzo(k)fluoranthene | 43.1 | | 0.48 | 5.00 | ug/L |
| 50-32-8 | Benzo(a)pyrene | 44.6 | | 0.55 | 5.00 | ug/L |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 50.2 | | 0.59 | 5.00 | ug/L |
| 53-70-3 | Dibenzo(a,h)anthracene | 50.4 | | 0.67 | 5.00 | ug/L |
| 191-24-2 | Benzo(g,h,i)perylene | 50.4 | | 0.69 | 5.00 | ug/L |
| 95-94-3 | 1,2,4,5-Tetrachlorobenzene | 45.8 | | 0.52 | 5.00 | ug/L |
| 123-91-1 | 1,4-Dioxane | 35.6 | | 1.00 | 5.00 | ug/L |
| 58-90-2 | 2,3,4,6-Tetrachlorophenol | 42.9 | | 0.72 | 5.00 | ug/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 134 | | 15 (10) - 110 (139) | 89% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 129 | | 15 (10) - 110 (134) | 86% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 78.3 | | 30 (49) - 130 (133) | 78% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 80.2 | | 30 (52) - 130 (132) | 80% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 131 | | 15 (44) - 110 (137) | 87% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 85.8 | | 30 (48) - 130 (125) | 86% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 264000 | 7.74 | | | |
| 1146-65-2 | Naphthalene-d8 | 911000 | 10.534 | | | |
| 15067-26-2 | Acenaphthene-d10 | 549000 | 14.392 | | | |
| 1517-22-2 | Phenanthrene-d10 | 983000 | 17.139 | | | |
| 1719-03-5 | Chrysene-d12 | 868000 | 21.386 | | | |
| 1520-96-3 | Perylene-d12 | 894000 | 24.38 | | | |

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_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Apr 28 18:09:16 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM050024.D 5 =BM050025.D 10 =BM050026.D 20 =BM050027.D 40 =BM050028.D 50 =BM050029.D 60 =BM050030.D 80 =BM0500
31.D

| | | Compound | 2.5 | 5 | 10 | 20 | 40 | 50 | 60 | 80 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ----------ISTD---------- | | | | | | | | | |
| 2) | | 1,4-Dioxane | | 0.506 | 0.464 | 0.478 | 0.511 | 0.504 | 0.491 | 0.473 | 0.490 | 3.75 |
| 3) | | Pyridine | | 1.201 | 1.166 | 1.229 | 1.331 | 1.328 | 1.292 | 1.261 | 1.258 | 5.03 |
| 4) | | n-Nitrosodimet... | | 0.487 | 0.459 | 0.475 | 0.522 | 0.518 | 0.504 | 0.490 | 0.493 | 4.62 |
| 5) | S | 2-Fluorophenol | | 1.074 | 1.079 | 1.107 | 1.208 | 1.211 | 1.173 | 1.142 | 1.142 | 5.04 |
| 6) | | Aniline | | 1.657 | 1.689 | 1.768 | 1.942 | 1.922 | 1.875 | 1.835 | 1.813 | 6.16 |
| 7) | S | Phenol-d6 | | 1.290 | 1.318 | 1.398 | 1.543 | 1.537 | 1.494 | 1.469 | 1.436 | 7.13 |
| 8) | | 2-Chlorophenol | | 1.169 | 1.161 | 1.198 | 1.312 | 1.301 | 1.268 | 1.235 | 1.235 | 4.96 |
| 9) | | Benzaldehyde | | 0.940 | 0.920 | 0.971 | 1.031 | 1.013 | 0.956 | 0.894 | 0.961 | 5.08 |
| 10) | C | Phenol | | 1.349 | 1.344 | 1.420 | 1.539 | 1.537 | 1.501 | 1.483 | 1.453 | 5.73 |
| 11) | | bis(2-Chloroet... | | 1.213 | 1.105 | 1.176 | 1.279 | 1.271 | 1.233 | 1.218 | 1.213 | 4.90 |
| 12) | | 1,3-Dichlorobe... | | 1.483 | 1.428 | 1.453 | 1.566 | 1.552 | 1.508 | 1.453 | 1.492 | 3.51 |
| 13) | C | 1,4-Dichlorobe... | | 1.518 | 1.418 | 1.463 | 1.561 | 1.557 | 1.516 | 1.458 | 1.499 | 3.60 |
| 14) | | 1,2-Dichlorobe... | | 1.420 | 1.393 | 1.423 | 1.522 | 1.506 | 1.464 | 1.405 | 1.448 | 3.50 |
| 15) | | Benzyl Alcohol | | 0.866 | 0.881 | 0.966 | 1.080 | 1.074 | 1.050 | 1.050 | 0.996 | 9.16 |
| 16) | | 2,2'-oxybis(1-... | | 1.487 | 1.422 | 1.445 | 1.552 | 1.513 | 1.473 | 1.433 | 1.475 | 3.17 |
| 17) | | 2-Methylphenol | | 0.857 | 0.893 | 0.931 | 1.033 | 1.026 | 0.988 | 0.975 | 0.957 | 6.96 |
| 18) | | Hexachloroethane | | 0.552 | 0.508 | 0.521 | 0.556 | 0.548 | 0.533 | 0.510 | 0.533 | 3.79 |
| 19) | P | n-Nitroso-di-n... | 0.802 | 0.889 | 0.885 | 0.921 | 1.003 | 0.988 | 0.949 | 0.928 | 0.921 | 6.95 |
| 20) | | 3+4-Methylphenols | | 1.137 | 1.170 | 1.267 | 1.393 | 1.392 | 1.349 | 1.341 | 1.293 | 8.09 |
| 21) | I | Naphthalene-d8 | ----------ISTD---------- | | | | | | | | | |
| 22) | | Acetophenone | | 0.483 | 0.464 | 0.485 | 0.531 | 0.525 | 0.506 | 0.487 | 0.497 | 4.94 |
| 23) | S | Nitrobenzene-d5 | | 0.386 | 0.374 | 0.397 | 0.434 | 0.433 | 0.417 | 0.400 | 0.406 | 5.68 |
| 24) | | Nitrobenzene | | 0.337 | 0.325 | 0.345 | 0.374 | 0.372 | 0.358 | 0.346 | 0.351 | 5.16 |
| 25) | | Isophorone | | 0.666 | 0.648 | 0.680 | 0.729 | 0.729 | 0.704 | 0.687 | 0.692 | 4.44 |
| 26) | C | 2-Nitrophenol | | 0.148 | 0.157 | 0.172 | 0.196 | 0.198 | 0.192 | 0.191 | 0.179 | 11.33 |
| 27) | | 2,4-Dimethylph... | | 0.263 | 0.266 | 0.289 | 0.324 | 0.322 | 0.312 | 0.305 | 0.297 | 8.42 |
| 28) | | bis(2-Chloroet... | | 0.407 | 0.399 | 0.422 | 0.455 | 0.452 | 0.434 | 0.425 | 0.428 | 4.92 |
| 29) | C | 2,4-Dichloroph... | | 0.294 | 0.298 | 0.326 | 0.362 | 0.359 | 0.351 | 0.342 | 0.333 | 8.47 |
| 30) | | 1,2,4-Trichlor... | | 0.400 | 0.384 | 0.394 | 0.427 | 0.426 | 0.412 | 0.399 | 0.406 | 4.02 |
| 31) | | Naphthalene | | 1.001 | 0.959 | 0.993 | 1.066 | 1.057 | 1.023 | 0.989 | 1.013 | 3.80 |
| 32) | | Benzoic acid | | | 0.138 | 0.172 | 0.197 | 0.206 | 0.212 | 0.215 | 0.190 | 15.67 |
| 33) | | 4-Chloroaniline | | 0.361 | 0.393 | 0.404 | 0.441 | 0.448 | 0.437 | 0.423 | 0.415 | 7.51 |
| 34) | C | Hexachlorobuta... | | 0.253 | 0.240 | 0.249 | 0.270 | 0.270 | 0.263 | 0.258 | 0.258 | 4.34 |
| 35) | | Caprolactam | | 0.090 | 0.085 | 0.095 | 0.104 | 0.104 | 0.102 | 0.100 | 0.097 | 7.73 |
| 36) | C | 4-Chloro-3-met... | | 0.289 | 0.283 | 0.302 | 0.325 | 0.329 | 0.317 | 0.309 | 0.308 | 5.72 |
| 37) | | 2-Methylnaphth... | | 0.656 | 0.639 | 0.662 | 0.713 | 0.714 | 0.692 | 0.678 | 0.679 | 4.22 |
| 38) | | 1-Methylnaphth... | | 0.703 | 0.675 | 0.708 | 0.753 | 0.751 | 0.731 | 0.710 | 0.719 | 3.92 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 39) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | |
| 40) | | 1,2,4,5-Tetrac... | 0.624 | 0.622 | 0.655 | 0.742 | 0.745 | 0.725 | 0.733 | 0.692 | 8.17 |
| 41) | P | Hexachlorocycl... | | 0.303 | 0.362 | 0.455 | 0.468 | 0.467 | 0.483 | 0.423 | 17.30 |
| 42) | S | 2,4,6-Tribromo... | 0.253 | 0.249 | 0.281 | 0.318 | 0.329 | 0.318 | 0.323 | 0.296 | 11.61 |
| 43) | C | 2,4,6-Trichlor... | 0.372 | 0.381 | 0.423 | 0.476 | 0.485 | 0.467 | 0.469 | 0.439 | 10.76 |
| 44) | | 2,4,5-Trichlor... | 0.410 | 0.417 | 0.453 | 0.517 | 0.519 | 0.501 | 0.497 | 0.474 | 9.83 |
| 45) | S | 2-Fluorobiphenyl | 1.588 | 1.555 | 1.632 | 1.807 | 1.822 | 1.744 | 1.688 | 1.691 | 6.21 |
| 46) | | 1,1'-Biphenyl | 1.427 | 1.395 | 1.452 | 1.573 | 1.581 | 1.507 | 1.473 | 1.487 | 4.77 |
| 47) | | 2-Chloronaphth... | 1.126 | 1.112 | 1.155 | 1.250 | 1.248 | 1.192 | 1.158 | 1.177 | 4.69 |
| 48) | | 2-Nitroaniline | 0.238 | 0.242 | 0.269 | 0.302 | 0.304 | 0.294 | 0.286 | 0.276 | 9.96 |
| 49) | | Acenaphthylene | 1.794 | 1.715 | 1.810 | 1.972 | 1.971 | 1.889 | 1.845 | 1.857 | 5.10 |
| 50) | | Dimethylphthalate | 1.444 | 1.377 | 1.437 | 1.532 | 1.543 | 1.470 | 1.429 | 1.462 | 4.02 |
| 51) | | 2,6-Dinitrotol... | 0.266 | 0.271 | 0.299 | 0.327 | 0.331 | 0.316 | 0.309 | 0.303 | 8.50 |
| 52) | C | Acenaphthene | 1.038 | 0.998 | 1.046 | 1.133 | 1.145 | 1.094 | 1.067 | 1.075 | 4.93 |
| 53) | | 3-Nitroaniline | 0.233 | 0.247 | 0.284 | 0.321 | 0.325 | 0.311 | 0.302 | 0.289 | 12.47 |
| 54) | P | 2,4-Dinitrophenol | | 0.100 | 0.132 | 0.178 | 0.194 | 0.188 | 0.191 | 0.164 | 23.65 |
| 55) | | Dibenzofuran | 1.749 | 1.681 | 1.749 | 1.876 | 1.888 | 1.810 | 1.763 | 1.788 | 4.17 |
| 56) | P | 4-Nitrophenol | | 0.128 | 0.180 | 0.224 | 0.237 | 0.231 | 0.231 | 0.205 | 20.96 |
| 57) | | 2,4-Dinitrotol... | 0.338 | 0.366 | 0.412 | 0.456 | 0.468 | 0.447 | 0.440 | 0.418 | 11.72 |
| 58) | | Fluorene | 1.387 | 1.343 | 1.431 | 1.558 | 1.573 | 1.500 | 1.453 | 1.463 | 5.84 |
| 59) | | 2,3,4,6-Tetrac... | 0.366 | 0.362 | 0.398 | 0.435 | 0.445 | 0.432 | 0.431 | 0.410 | 8.44 |
| 60) | | Diethylphthalate | 1.372 | 1.301 | 1.380 | 1.433 | 1.451 | 1.376 | 1.328 | 1.377 | 3.86 |
| 61) | | 4-Chlorophenyl... | 0.741 | 0.716 | 0.770 | 0.857 | 0.871 | 0.836 | 0.836 | 0.804 | 7.58 |
| 62) | | 4-Nitroaniline | 0.208 | 0.234 | 0.277 | 0.313 | 0.321 | 0.301 | 0.295 | 0.279 | 15.17 |
| 63) | | Azobenzene | 1.118 | 1.091 | 1.150 | 1.216 | 1.229 | 1.165 | 1.110 | 1.154 | 4.59 |
| 64) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | |
| 65) | | 4,6-Dinitro-2-... | | 0.088 | 0.110 | 0.135 | 0.142 | 0.138 | 0.137 | 0.125 | 17.16 |
| 66) | c | n-Nitrosodiphe... | 0.580 | 0.572 | 0.596 | 0.655 | 0.657 | 0.629 | 0.610 | 0.614 | 5.56 |
| 67) | | 4-Bromophenyl-... | 0.223 | 0.216 | 0.229 | 0.258 | 0.258 | 0.256 | 0.253 | 0.242 | 7.60 |
| 68) | | Hexachlorobenzene | 0.265 | 0.251 | 0.264 | 0.294 | 0.295 | 0.291 | 0.291 | 0.279 | 6.49 |
| 69) | | Atrazine | 0.196 | 0.198 | 0.214 | 0.236 | 0.242 | 0.234 | 0.230 | 0.222 | 8.47 |
| 70) | C | Pentachlorophenol | | 0.117 | 0.141 | 0.167 | 0.172 | 0.170 | 0.174 | 0.157 | 14.52 |
| 71) | | Phenanthrene | 1.075 | 1.035 | 1.083 | 1.187 | 1.212 | 1.173 | 1.132 | 1.128 | 5.84 |
| 72) | | Anthracene | 1.062 | 1.038 | 1.096 | 1.214 | 1.236 | 1.191 | 1.154 | 1.142 | 6.78 |
| 73) | | Carbazole | 0.909 | 0.900 | 0.960 | 1.054 | 1.075 | 1.038 | 0.999 | 0.991 | 7.05 |
| 74) | | Di-n-butylphth... | 1.106 | 1.082 | 1.151 | 1.246 | 1.277 | 1.231 | 1.165 | 1.180 | 6.25 |
| 75) | C | Fluoranthene | 1.178 | 1.142 | 1.250 | 1.410 | 1.455 | 1.425 | 1.411 | 1.324 | 9.86 |
| 76) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | |
| 77) | | Benzidine | | 0.560 | 0.646 | 0.772 | 0.769 | 0.765 | 0.751 | 0.710 | 12.36 |
| 78) | | Pyrene | 1.290 | 1.255 | 1.332 | 1.518 | 1.520 | 1.465 | 1.453 | 1.404 | 7.83 |
| 79) | S | Terphenyl-d14 | 1.176 | 1.189 | 1.332 | 1.524 | 1.541 | 1.458 | 1.239 | 1.352 | 11.58 |
| 80) | | Butylbenzylpht... | 0.489 | 0.479 | 0.515 | 0.562 | 0.568 | 0.545 | 0.524 | 0.526 | 6.53 |
| 81) | | Benzo(a)anthra... | 1.280 | 1.231 | 1.321 | 1.478 | 1.479 | 1.442 | 1.408 | 1.377 | 7.24 |
| 82) | | 3,3'-Dichlorob... | 0.434 | 0.432 | 0.483 | 0.580 | 0.597 | 0.583 | 0.581 | 0.527 | 14.14 |
| 83) | | Chrysene | 1.208 | 1.170 | 1.214 | 1.342 | 1.369 | 1.325 | 1.296 | 1.275 | 6.03 |
| 84) | | Bis(2-ethylhex... | 0.726 | 0.725 | 0.775 | 0.843 | 0.852 | 0.814 | 0.765 | 0.786 | 6.61 |
| 85) | c | Di-n-octyl pht... | 1.221 | 1.197 | 1.267 | 1.366 | 1.404 | 1.341 | 1.275 | 1.296 | 5.92 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM042825.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 86) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | |
| 87) | | Indeno(1,2,3-c... | 1.301 | 1.293 | 1.404 | 1.602 | 1.646 | 1.591 | 1.595 | 1.490 | 10.27 |
| 88) | | Benzo(b)fluora... | 1.128 | 1.149 | 1.209 | 1.406 | 1.415 | 1.408 | 1.390 | 1.301 | 10.16 |
| 89) | | Benzo(k)fluora... | 1.219 | 1.150 | 1.251 | 1.387 | 1.449 | 1.383 | 1.372 | 1.316 | 8.29 |
| 90) | C | Benzo(a)pyrene | 1.094 | 1.066 | 1.147 | 1.295 | 1.330 | 1.298 | 1.297 | 1.218 | 9.15 |
| 91) | | Dibenzo(a,h)an... | 1.056 | 1.044 | 1.142 | 1.300 | 1.347 | 1.305 | 1.310 | 1.215 | 10.72 |
| 92) | | Benzo(g,h,i)pe... | 1.066 | 1.030 | 1.105 | 1.236 | 1.268 | 1.224 | 1.212 | 1.163 | 8.07 |

(#) = Out of Range

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945 SDG No.: Q1945

Instrument ID: BNA_M Calibration Date/Time: 05/07/2025 09:56

Lab File ID: BM050129.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.142 | 1.113 | | -2.5 | |
| Benzaldehyde | 0.961 | 0.911 | | -5.2 | |
| Aniline | 1.813 | 1.767 | | -2.5 | |
| Phenol-d6 | 1.436 | 1.401 | | -2.4 | |
| Phenol | 1.453 | 1.425 | | -1.9 | 20.0 |
| bis(2-Chloroethyl)ether | 1.214 | 1.149 | | -5.4 | |
| 2-Chlorophenol | 1.235 | 1.194 | | -3.3 | |
| 2-Methylphenol | 0.957 | 0.941 | | -1.7 | |
| 2,2-oxybis(1-Chloropropane) | 1.475 | 1.451 | | -1.6 | |
| Acetophenone | 0.497 | 0.472 | | -5.0 | |
| 3+4-Methylphenols | 1.293 | 1.266 | | -2.1 | |
| n-Nitroso-di-n-propylamine | 0.921 | 0.900 | 0.050 | -2.3 | |
| Nitrobenzene-d5 | 0.406 | 0.388 | | -4.4 | |
| Hexachloroethane | 0.533 | 0.501 | | -6.0 | |
| Nitrobenzene | 0.351 | 0.337 | | -4.0 | |
| Isophorone | 0.692 | 0.664 | | -4.0 | |
| 2-Nitrophenol | 0.179 | 0.179 | | 0.0 | 20.0 |
| 2,4-Dimethylphenol | 0.297 | 0.291 | | -2.0 | |
| bis(2-Chloroethoxy)methane | 0.428 | 0.407 | | -4.9 | |
| 2,4-Dichlorophenol | 0.333 | 0.323 | | -3.0 | 20.0 |
| Naphthalene | 1.013 | 0.949 | | -6.3 | |
| 4-Chloroaniline | 0.415 | 0.401 | | -3.4 | |
| Hexachlorobutadiene | 0.258 | 0.239 | | -7.4 | 20.0 |
| Caprolactam | 0.097 | 0.094 | | -3.1 | |
| 4-Chloro-3-methylphenol | 0.308 | 0.294 | | -4.5 | 20.0 |
| 2-Methylnaphthalene | 0.679 | 0.636 | | -6.3 | |
| Hexachlorocyclopentadiene | 0.423 | 0.361 | 0.050 | -14.7 | |
| 2,4,6-Trichlorophenol | 0.439 | 0.428 | | -2.5 | 20.0 |
| 2-Fluorobiphenyl | 1.691 | 1.612 | | -4.7 | |
| 2,4,5-Trichlorophenol | 0.474 | 0.464 | | -2.1 | |
| 1,1-Biphenyl | 1.487 | 1.400 | | -5.9 | |
| 2-Chloronaphthalene | 1.177 | 1.109 | | -5.8 | |
| 2-Nitroaniline | 0.276 | 0.279 | | 1.1 | |
| Dimethylphthalate | 1.462 | 1.370 | | -6.3 | |
| Acenaphthylene | 1.857 | 1.752 | | -5.7 | |
| 2,6-Dinitrotoluene | 0.303 | 0.297 | | -2.0 | |
| 3-Nitroaniline | 0.289 | 0.290 | | 0.3 | |
| Acenaphthene | 1.075 | 1.006 | | -6.4 | 20.0 |
| 2,4-Dinitrophenol | 0.164 | 0.160 | 0.050 | -2.4 | |

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945 SDG No.: Q1945

Instrument ID: BNA_M Calibration Date/Time: 05/07/2025 09:56

Lab File ID: BM050129.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 4-Nitrophenol | 0.205 | 0.189 | 0.050 | -7.8 | |
| Dibenzofuran | 1.788 | 1.674 | | -6.4 | |
| 2,4-Dinitrotoluene | 0.418 | 0.415 | | -0.7 | |
| Diethylphthalate | 1.377 | 1.278 | | -7.2 | |
| 4-Chlorophenyl-phenylether | 0.804 | 0.755 | | -6.1 | |
| Fluorene | 1.463 | 1.378 | | -5.8 | |
| 4-Nitroaniline | 0.279 | 0.284 | | 1.8 | |
| 4,6-Dinitro-2-methylphenol | 0.125 | 0.121 | | -3.2 | |
| n-Nitrosodiphenylamine | 0.614 | 0.583 | | -5.0 | 20.0 |
| 2,4,6-Tribromophenol | 0.296 | 0.285 | | -3.7 | |
| 4-Bromophenyl-phenylether | 0.242 | 0.230 | | -5.0 | |
| Hexachlorobenzene | 0.279 | 0.263 | | -5.7 | |
| Atrazine | 0.222 | 0.211 | | -5.0 | |
| Pentachlorophenol | 0.157 | 0.144 | | -8.3 | 20.0 |
| Phenanthrene | 1.128 | 1.052 | | -6.7 | |
| Anthracene | 1.142 | 1.076 | | -5.8 | |
| Carbazole | 0.991 | 0.951 | | -4.0 | |
| Di-n-butylphthalate | 1.180 | 1.112 | | -5.8 | |
| Fluoranthene | 1.324 | 1.258 | | -5.0 | 20.0 |
| Pyrene | 1.404 | 1.381 | | -1.6 | |
| Terphenyl-d14 | 1.352 | 1.351 | | -0.1 | |
| Butylbenzylphthalate | 0.526 | 0.517 | | -1.7 | |
| 3,3-Dichlorobenzidine | 0.527 | 0.511 | | -3.0 | |
| Benzo(a)anthracene | 1.377 | 1.299 | | -5.7 | |
| Chrysene | 1.275 | 1.183 | | -7.2 | |
| Bis(2-ethylhexyl)phthalate | 0.786 | 0.740 | | -5.9 | |
| Di-n-octyl phthalate | 1.296 | 1.213 | | -6.4 | 20.0 |
| Benzo(b)fluoranthene | 1.301 | 1.180 | | -9.3 | |
| Benzo(k)fluoranthene | 1.316 | 1.208 | | -8.2 | |
| Benzo(a)pyrene | 1.218 | 1.131 | | -7.1 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.490 | 1.413 | | -5.2 | |
| Dibenzo(a,h)anthracene | 1.215 | 1.160 | | -4.5 | |
| Benzo(g,h,i)perylene | 1.163 | 1.102 | | -5.2 | |
| 1,2,4,5-Tetrachlorobenzene | 0.692 | 0.657 | | -5.1 | |
| 1,4-Dioxane | 0.490 | 0.461 | | -5.9 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | 0.410 | 0.388 | | -5.4 | |

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.: Q1945 SAS No.: Q1945 SDG No.: Q1945

Instrument ID: BNA_M Calibration Date/Time: 05/08/2025 10:41

Lab File ID: BM050140.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 2-Fluorophenol | 1.142 | 1.109 | | -2.9 | |
| Benzaldehyde | 0.961 | 0.933 | | -2.9 | |
| Aniline | 1.813 | 1.775 | | -2.1 | |
| Phenol-d6 | 1.436 | 1.425 | | -0.8 | |
| Phenol | 1.453 | 1.439 | | -1.0 | 20.0 |
| bis(2-Chloroethyl)ether | 1.214 | 1.166 | | -4.0 | |
| 2-Chlorophenol | 1.235 | 1.198 | | -3.0 | |
| 2-Methylphenol | 0.957 | 0.937 | | -2.1 | |
| 2,2-oxybis(1-Chloropropane) | 1.475 | 1.453 | | -1.5 | |
| Acetophenone | 0.497 | 0.474 | | -4.6 | |
| 3+4-Methylphenols | 1.293 | 1.279 | | -1.1 | |
| n-Nitroso-di-n-propylamine | 0.921 | 0.911 | 0.050 | -1.1 | |
| Nitrobenzene-d5 | 0.406 | 0.390 | | -3.9 | |
| Hexachloroethane | 0.533 | 0.500 | | -6.2 | |
| Nitrobenzene | 0.351 | 0.337 | | -4.0 | |
| Isophorone | 0.692 | 0.663 | | -4.2 | |
| 2-Nitrophenol | 0.179 | 0.183 | | 2.2 | 20.0 |
| 2,4-Dimethylphenol | 0.297 | 0.293 | | -1.3 | |
| bis(2-Chloroethoxy)methane | 0.428 | 0.411 | | -4.0 | |
| 2,4-Dichlorophenol | 0.333 | 0.322 | | -3.3 | 20.0 |
| Naphthalene | 1.013 | 0.949 | | -6.3 | |
| 4-Chloroaniline | 0.415 | 0.399 | | -3.9 | |
| Hexachlorobutadiene | 0.258 | 0.244 | | -5.4 | 20.0 |
| Caprolactam | 0.097 | 0.090 | | -7.2 | |
| 4-Chloro-3-methylphenol | 0.308 | 0.293 | | -4.9 | 20.0 |
| 2-Methylnaphthalene | 0.679 | 0.643 | | -5.3 | |
| Hexachlorocyclopentadiene | 0.423 | 0.394 | 0.050 | -6.9 | |
| 2,4,6-Trichlorophenol | 0.439 | 0.444 | | 1.1 | 20.0 |
| 2-Fluorobiphenyl | 1.691 | 1.640 | | -3.0 | |
| 2,4,5-Trichlorophenol | 0.474 | 0.470 | | -0.8 | |
| 1,1-Biphenyl | 1.487 | 1.422 | | -4.4 | |
| 2-Chloronaphthalene | 1.177 | 1.124 | | -4.5 | |
| 2-Nitroaniline | 0.276 | 0.277 | | 0.4 | |
| Dimethylphthalate | 1.462 | 1.353 | | -7.5 | |
| Acenaphthylene | 1.857 | 1.762 | | -5.1 | |
| 2,6-Dinitrotoluene | 0.303 | 0.293 | | -3.3 | |
| 3-Nitroaniline | 0.289 | 0.282 | | -2.4 | |
| Acenaphthene | 1.075 | 1.012 | | -5.9 | 20.0 |
| 2,4-Dinitrophenol | 0.164 | 0.155 | 0.050 | -5.5 | |

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7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1945 SAS No.: Q1945 SDG No.: Q1945

Instrument ID: BNA_M Calibration Date/Time: 05/08/2025 10:41

Lab File ID: BM050140.D Init. Calib. Date(s): 04/28/2025 04/28/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 12:30 17:04

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| 4-Nitrophenol | 0.205 | 0.181 | 0.050 | -11.7 | |
| Dibenzofuran | 1.788 | 1.680 | | -6.0 | |
| 2,4-Dinitrotoluene | 0.418 | 0.409 | | -2.2 | |
| Diethylphthalate | 1.377 | 1.253 | | -9.0 | |
| 4-Chlorophenyl-phenylether | 0.804 | 0.768 | | -4.5 | |
| Fluorene | 1.463 | 1.365 | | -6.7 | |
| 4-Nitroaniline | 0.279 | 0.246 | | -11.8 | |
| 4,6-Dinitro-2-methylphenol | 0.125 | 0.121 | | -3.2 | |
| n-Nitrosodiphenylamine | 0.614 | 0.603 | | -1.8 | 20.0 |
| 2,4,6-Tribromophenol | 0.296 | 0.286 | | -3.4 | |
| 4-Bromophenyl-phenylether | 0.242 | 0.240 | | -0.8 | |
| Hexachlorobenzene | 0.279 | 0.271 | | -2.9 | |
| Atrazine | 0.222 | 0.212 | | -4.5 | |
| Pentachlorophenol | 0.157 | 0.148 | | -5.7 | 20.0 |
| Phenanthrene | 1.128 | 1.059 | | -6.1 | |
| Anthracene | 1.142 | 1.078 | | -5.6 | |
| Carbazole | 0.991 | 0.919 | | -7.3 | |
| Di-n-butylphthalate | 1.180 | 1.082 | | -8.3 | |
| Fluoranthene | 1.324 | 1.185 | | -10.5 | 20.0 |
| Pyrene | 1.404 | 1.584 | | 12.8 | |
| Terphenyl-d14 | 1.352 | 1.555 | | 15.0 | |
| Butylbenzylphthalate | 0.526 | 0.538 | | 2.3 | |
| 3,3-Dichlorobenzidine | 0.527 | 0.482 | | -8.5 | |
| Benzo(a)anthracene | 1.377 | 1.314 | | -4.6 | |
| Chrysene | 1.275 | 1.201 | | -5.8 | |
| Bis(2-ethylhexyl)phthalate | 0.786 | 0.738 | | -6.1 | |
| Di-n-octyl phthalate | 1.296 | 1.114 | | -14.0 | 20.0 |
| Benzo(b)fluoranthene | 1.301 | 1.242 | | -4.5 | |
| Benzo(k)fluoranthene | 1.316 | 1.279 | | -2.8 | |
| Benzo(a)pyrene | 1.218 | 1.160 | | -4.8 | 20.0 |
| Indeno(1,2,3-cd)pyrene | 1.490 | 1.414 | | -5.1 | |
| Dibenzo(a,h)anthracene | 1.215 | 1.154 | | -5.0 | |
| Benzo(g,h,i)perylene | 1.163 | 1.097 | | -5.7 | |
| 1,2,4,5-Tetrachlorobenzene | 0.692 | 0.686 | | -0.9 | |
| 1,4-Dioxane | 0.490 | 0.453 | | -7.6 | 20.0 |
| 2,3,4,6-Tetrachlorophenol | 0.410 | 0.385 | | -6.1 | |

All other compounds must meet a minimum RRF of 0.010.


# SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050134.D
Acq On : 07 May 2025 14:26
Operator : RC/JU
Sample : Q1945-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB1W

Quant Time: May 07 15:01:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

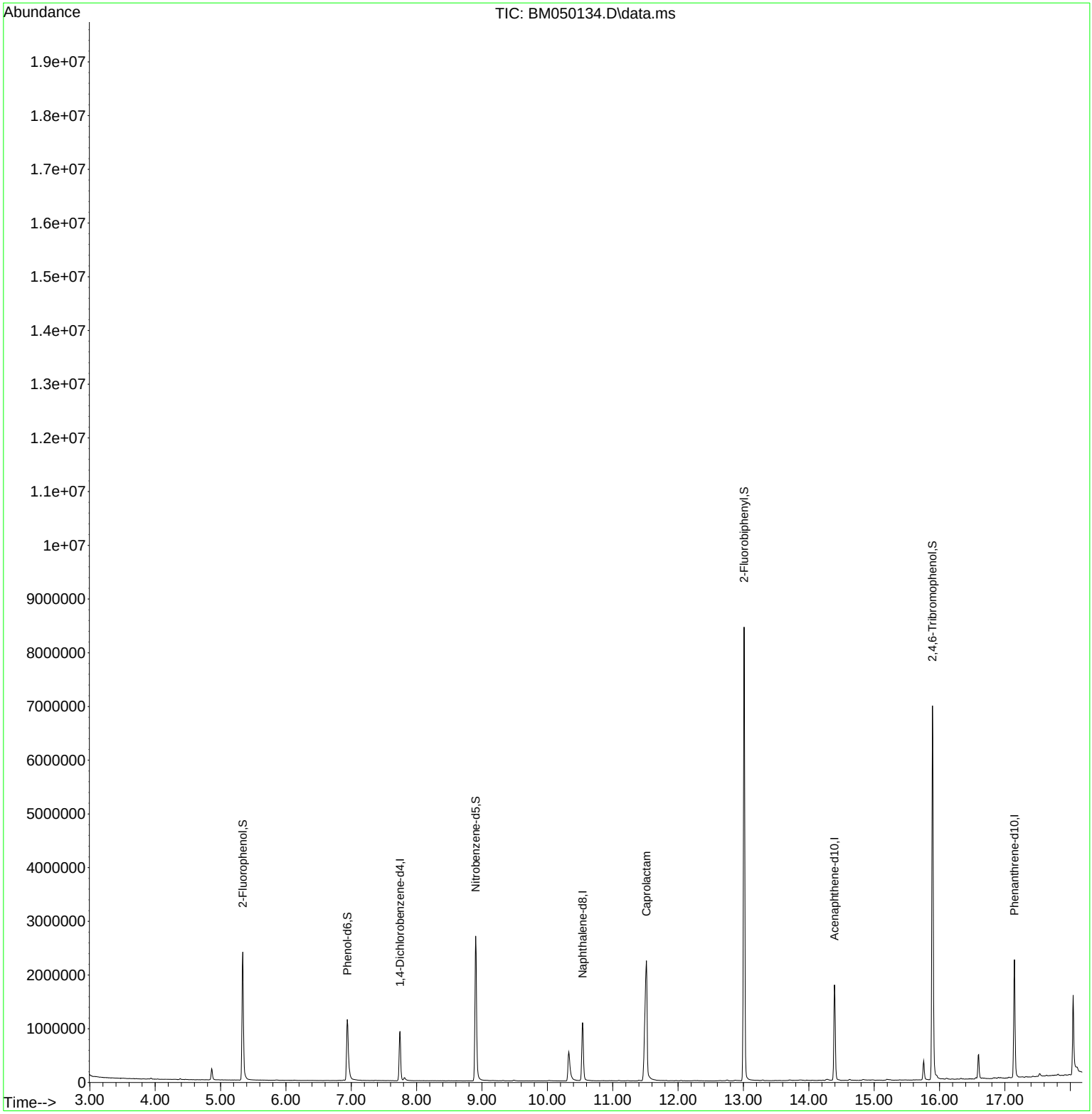
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.746 | 152 | 277291 | 20.000 | ng | -0.02 |
| 21) Naphthalene-d8 | 10.540 | 136 | 994970 | 20.000 | ng | -0.02 |
| 39) Acenaphthene-d10 | 14.392 | 164 | 676090 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.145 | 188 | 1357979 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 21.392 | 240 | 1252372 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.386 | 264 | 1282159 | 20.000 | ng | -0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.340 | 112 | 1154676 | 72.917 | ng | -0.02 |
| 7) Phenol-d6 | 6.940 | 99 | 906174 | 45.529 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 8.904 | 82 | 1712536 | 84.814 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 15.892 | 330 | 1605708 | 160.621 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 13.010 | 172 | 4624825 | 80.923 | ng | -0.02 |
| 79) Terphenyl-d14 | 19.774 | 244 | 7828359 | 92.496 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 35) Caprolactam | 11.516 | 113 | 646736 | 133.856 | ng | 96 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050134.D
Acq On : 07 May 2025 14:26
Operator : RC/JU
Sample : Q1945-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB1W

Quant Time: May 07 15:01:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

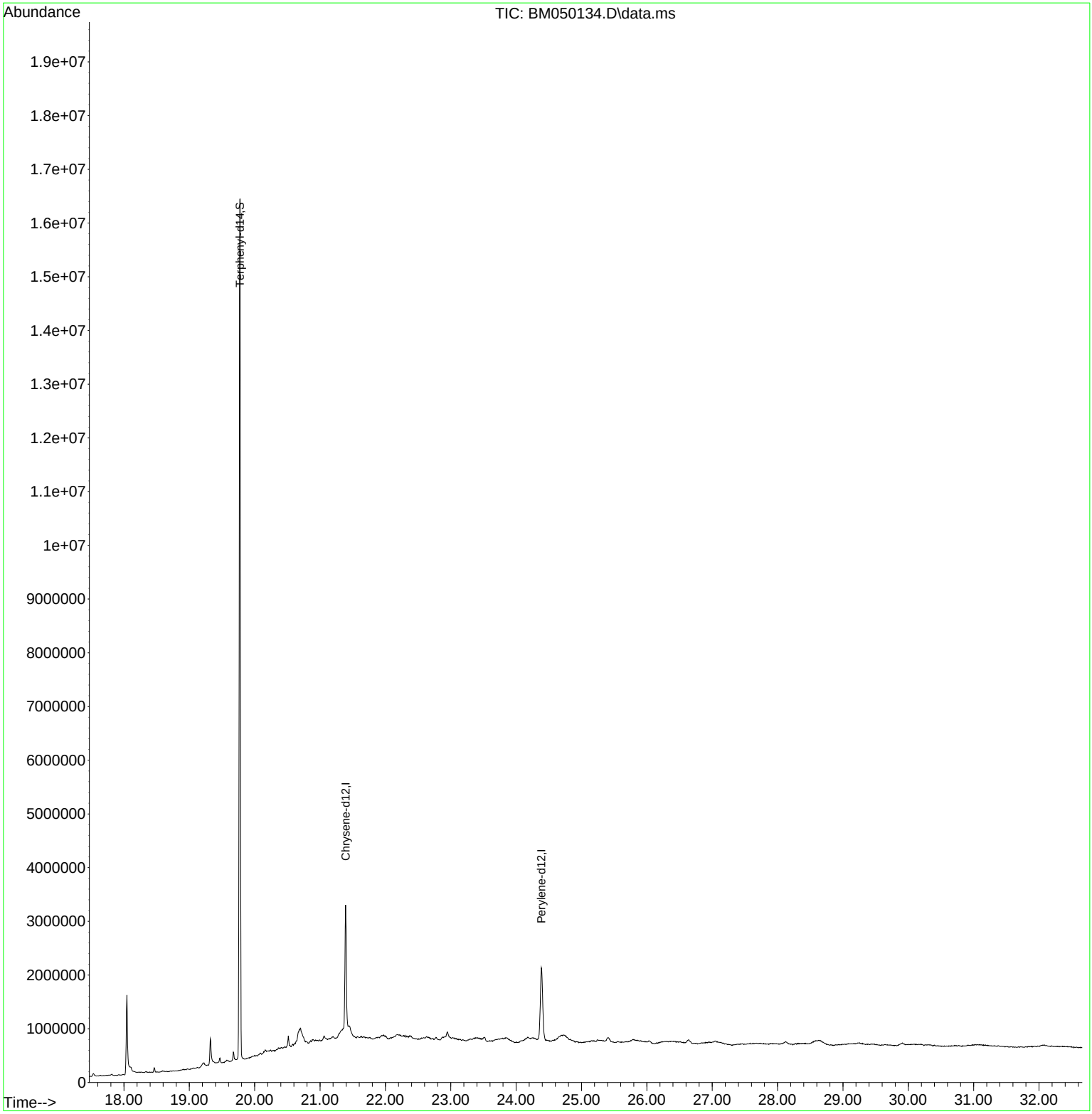


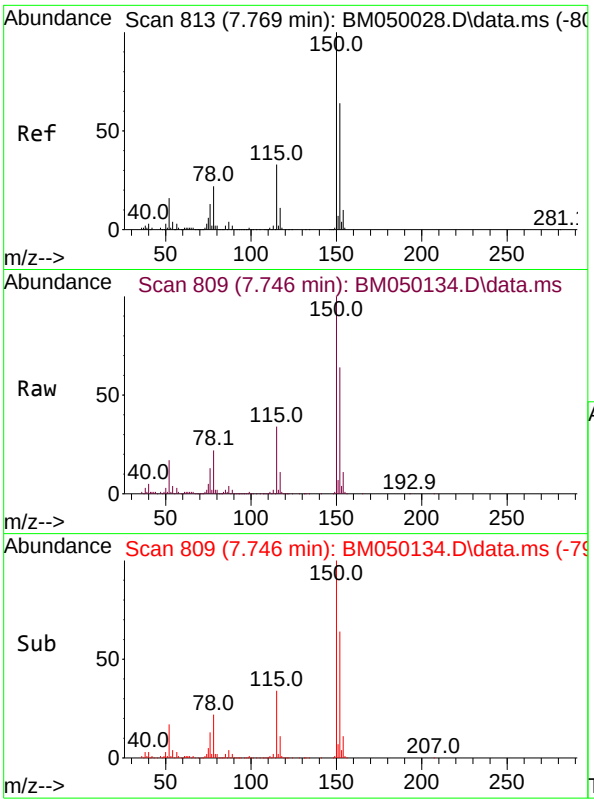
Sample Results: **BM050134.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050134.D
Acq On : 07 May 2025 14:26
Operator : RC/JU
Sample : Q1945-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB1W

Quant Time: May 07 15:01:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



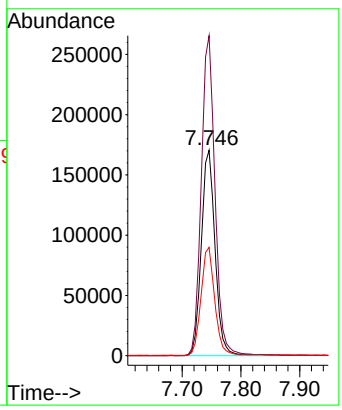


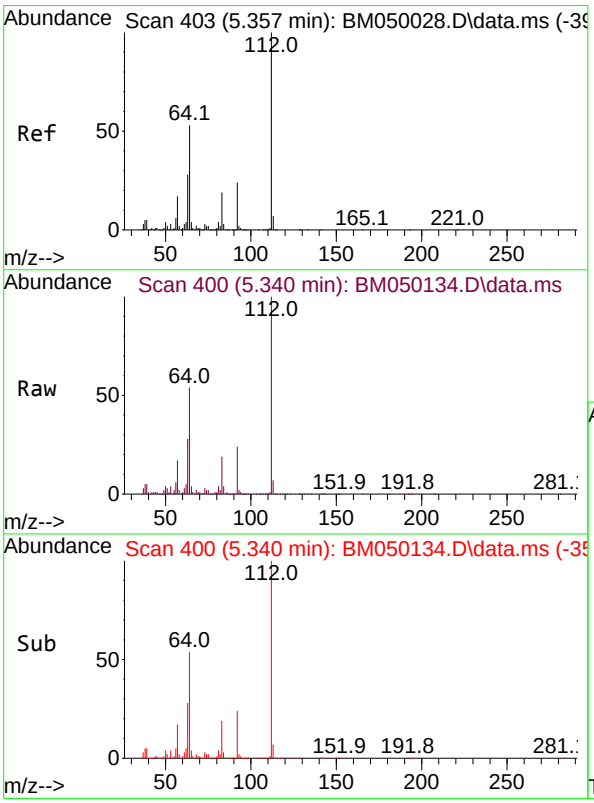

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.746 min Scan# 80
Delta R.T. -0.023 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

**Instrument :**
BNA_M
**ClientSampleId :**
GB1W

Tgt Ion:152 Resp: 277291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.7 | 124.1 | 186.1 |
| 115 | 52.7 | 41.2 | 61.8 |

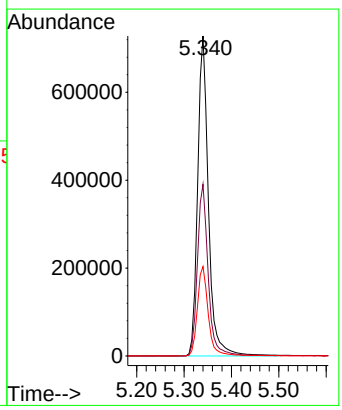


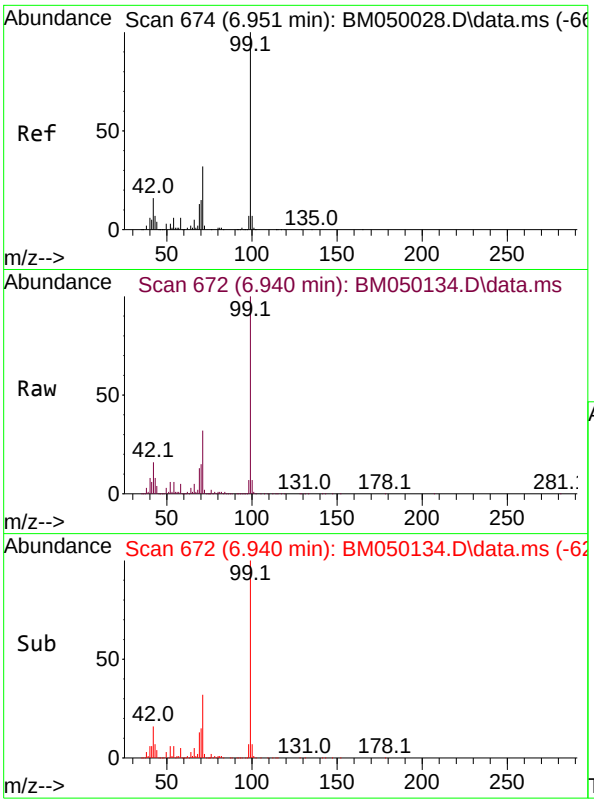




#5
2-Fluorophenol
Concen: 72.917 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.017 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

Tgt Ion:112 Resp: 1154676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.7 | 42.6 | 64.0 |
| 63 | 28.0 | 22.2 | 33.4 |



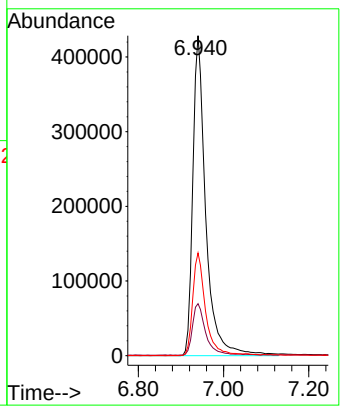


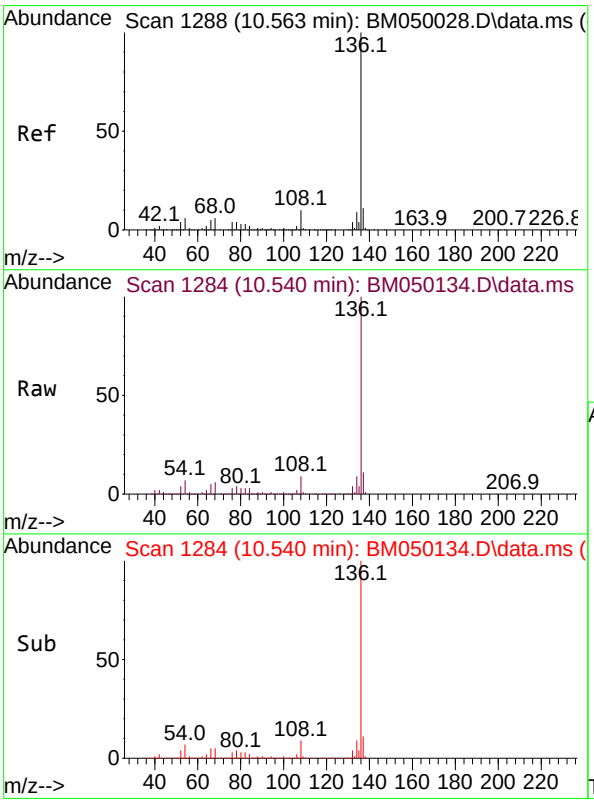

#7
Phenol-d6
Concen: 45.529 ng
RT: 6.940 min Scan# 6
Delta R.T. -0.012 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

**Instrument :**
BNA_M
**ClientSampleId :**
GB1W

Tgt Ion: 99 Resp: 906174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.3 | 13.0 | 19.4 |
| 71 | 32.1 | 25.6 | 38.4 |

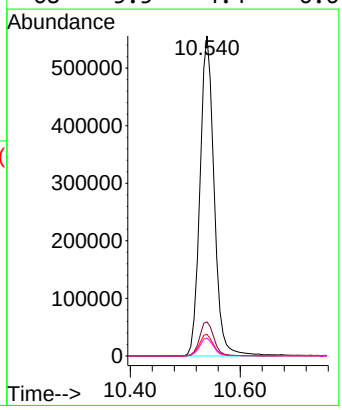


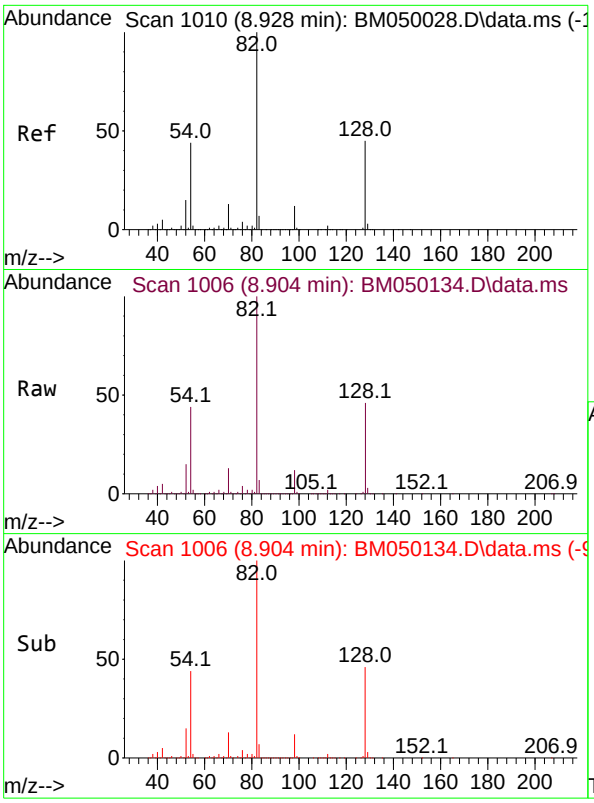




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

Tgt Ion:136 Resp: 994970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.9 | 13.3 |
| 54 | 6.8 | 5.1 | 7.7 |
| 68 | 5.5 | 4.4 | 6.6 |



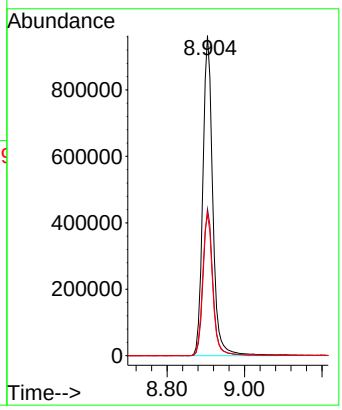


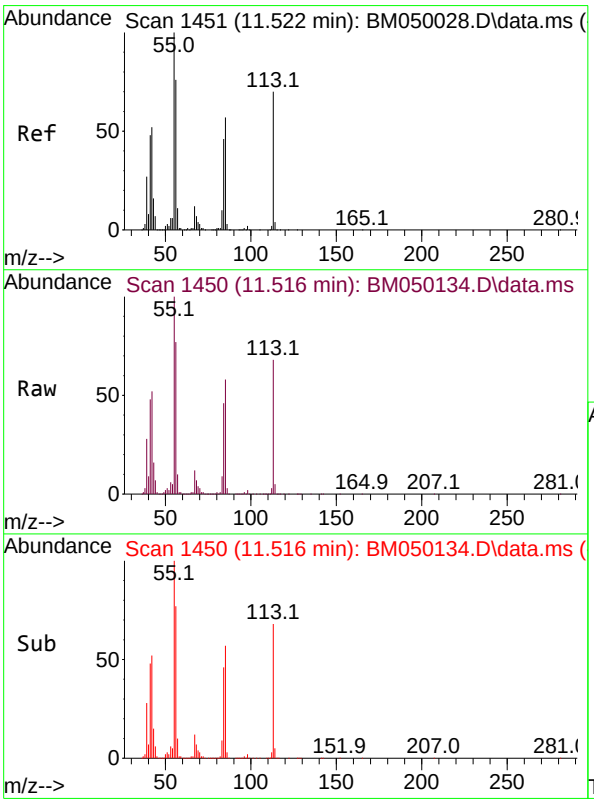

#23
Nitrobenzene-d5
Concen: 84.814 ng
RT: 8.904 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

**Instrument :**
BNA_M
**ClientSampleId :**
GB1W

Tgt Ion: 82 Resp: 1712536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.9 | 35.7 | 53.5 |
| 54 | 44.1 | 35.4 | 53.2 |

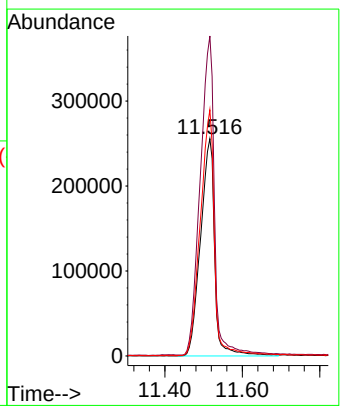


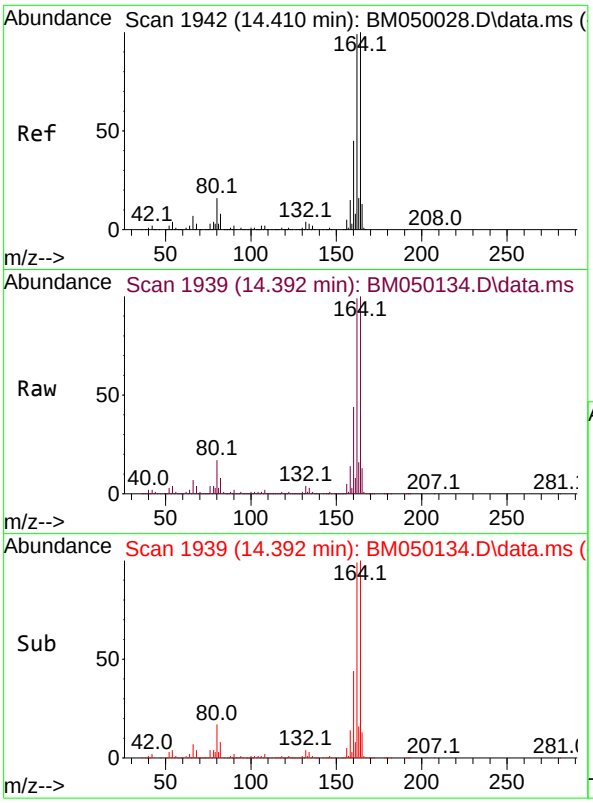




#35
Caprolactam
Concen: 133.856 ng
RT: 11.516 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

Tgt Ion:113 Resp: 646736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 147.2 | 122.9 | 162.9 |
| 56 | 113.3 | 88.1 | 128.1 |



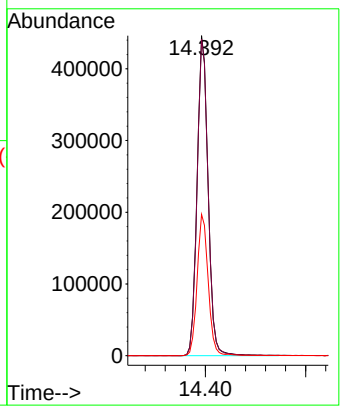


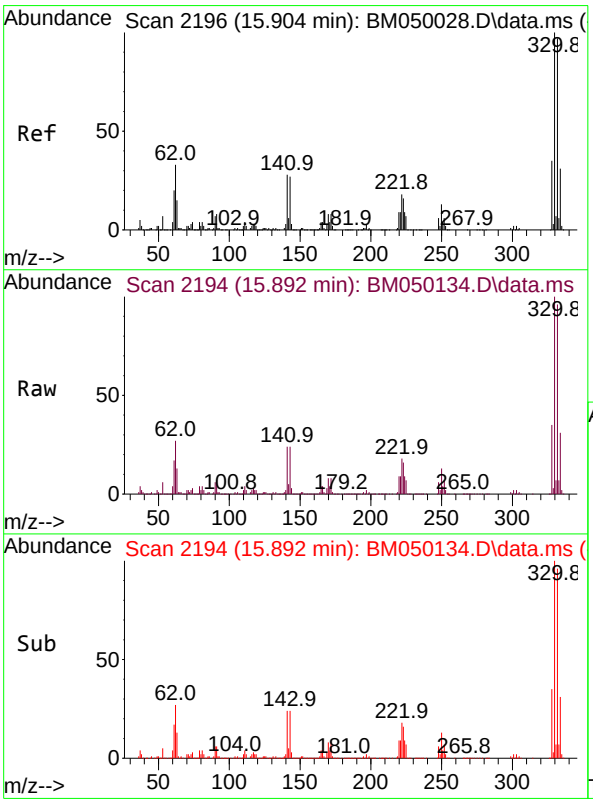

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

**Instrument :**
BNA_M
**ClientSampleId :**
GB1W

Tgt Ion:164 Resp: 676090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.0 | 79.4 | 119.0 |
| 160 | 44.1 | 36.2 | 54.4 |

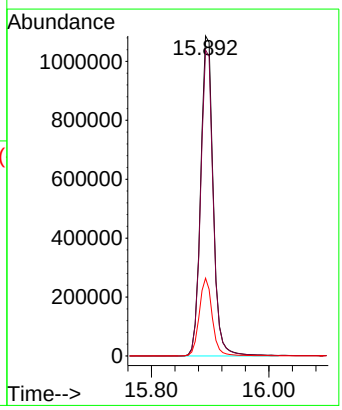


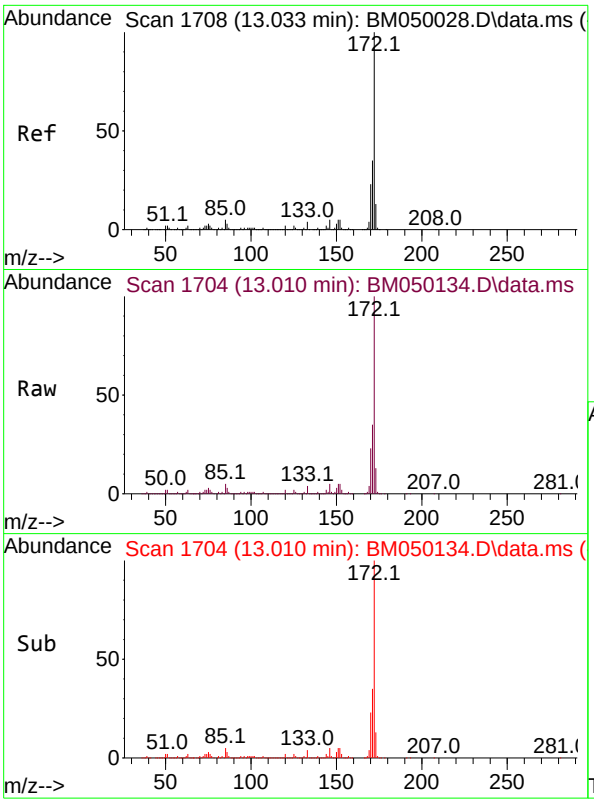




#42
2,4,6-Tribromophenol
Concen: 160.621 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

Tgt Ion:330 Resp: 1605708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 77.3 | 115.9 |
| 141 | 25.2 | 22.5 | 33.7 |



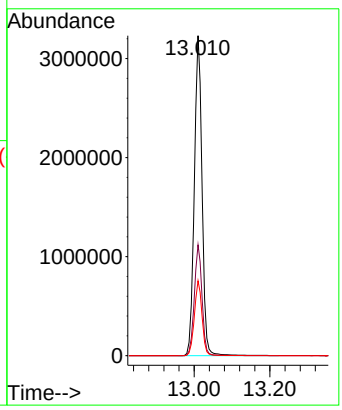


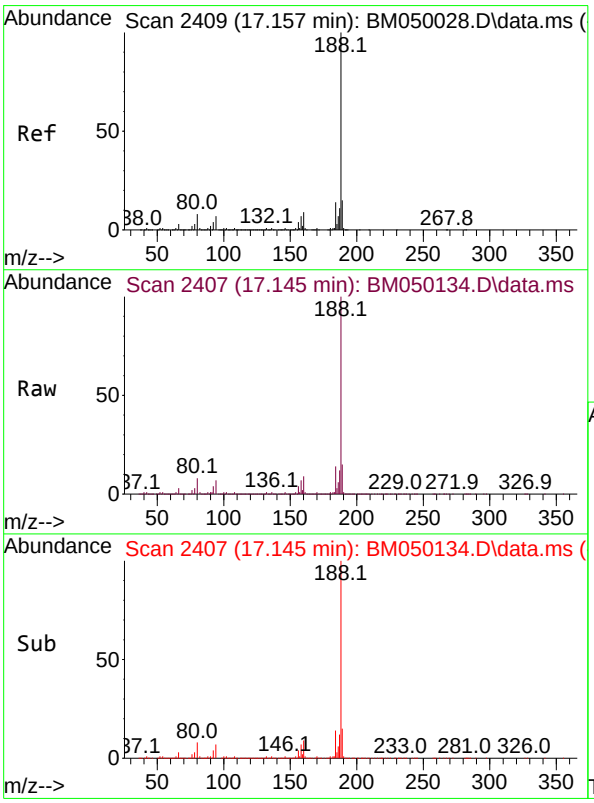

#45
2-Fluorobiphenyl
Concen: 80.923 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

**Instrument :**
BNA_M
**ClientSampleId :**
GB1W

Tgt Ion:172 Resp: 4624825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.6 | 27.8 | 41.6 |
| 170 | 23.4 | 18.6 | 28.0 |

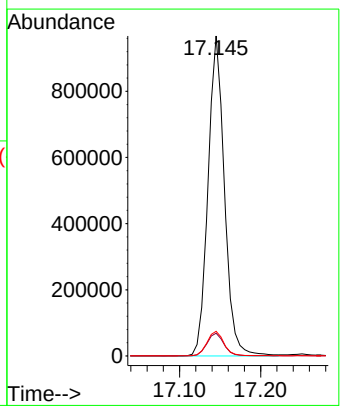


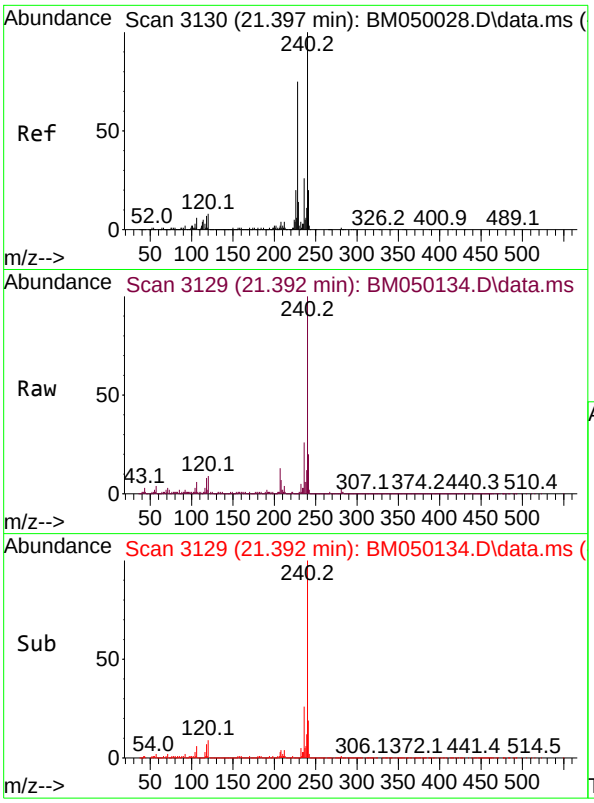




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

Tgt Ion:188 Resp: 1357979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.1 | 5.7 | 8.5 |
| 80 | 7.7 | 6.2 | 9.4 |



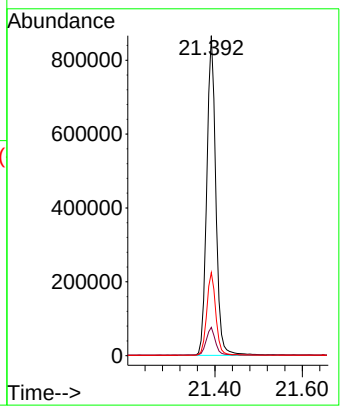


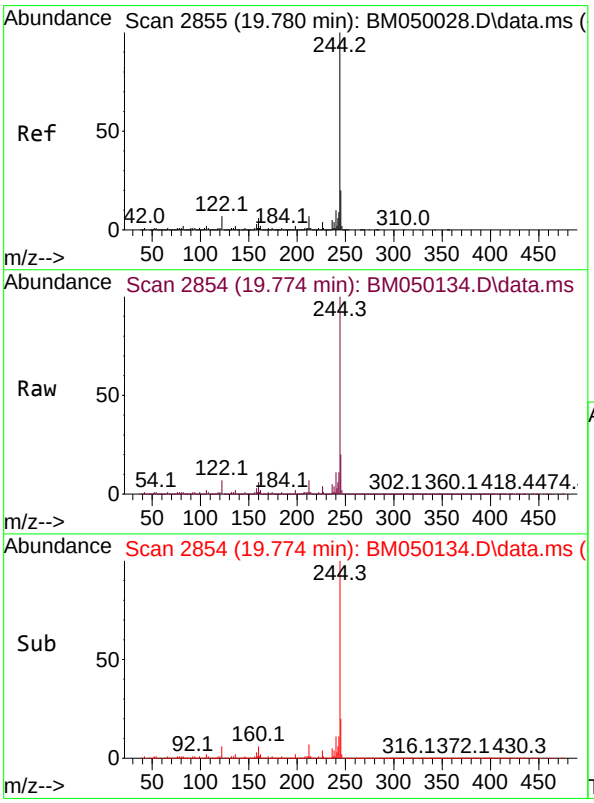

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3
Delta R.T. -0.005 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

**Instrument :**
BNA_M
**ClientSampleId :**
GB1W

Tgt Ion:240 Resp: 1252372

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.9 | 6.5 | 9.7 |
| 236 | 25.9 | 20.9 | 31.3 |

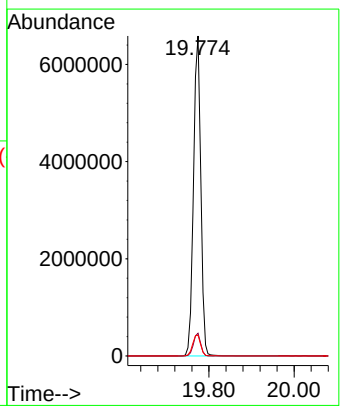


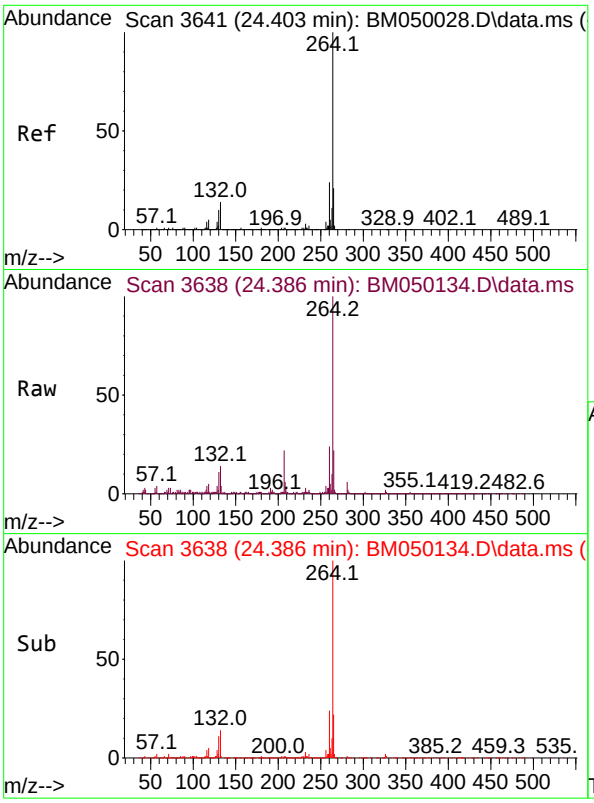




#79
Terphenyl-d14
Concen: 92.496 ng
RT: 19.774 min Scan# 2854
Delta R.T. -0.006 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

Tgt Ion:244 Resp: 7828359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.6 | 8.4 |
| 122 | 6.5 | 5.6 | 8.4 |



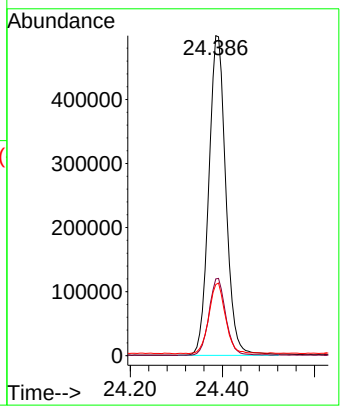



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.386 min Scan# 3
Delta R.T. -0.017 min
Lab File: BM050134.D
Acq: 07 May 2025 14:26

**Instrument :**
BNA_M
**ClientSampleId :**
GB1W

Tgt Ion:264 Resp: 1282159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 18.8 | 28.2 |
| 265 | 22.2 | 17.0 | 25.4 |



Sample Results: **BM050134.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050134.D
Acq On : 07 May 2025 14:26
Operator : RC/JU
Sample : Q1945-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB1W

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_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050134.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.863 | 314 | 319 | 331 | rVB | 208240 | 310157 | 1.61% | 0.384% |
| 2 | 5.340 | 393 | 400 | 415 | rBV | 2385945 | 3770258 | 19.55% | 4.663% |
| 3 | 6.940 | 665 | 672 | 699 | rBV | 1132890 | 2400630 | 12.45% | 2.969% |
| 4 | 7.746 | 799 | 809 | 816 | rBV | 922189 | 1502810 | 7.79% | 1.859% |
| 5 | 8.904 | 998 | 1006 | 1023 | rBV | 2695910 | 4799196 | 24.88% | 5.935% |
| 6 | 10.328 | 1241 | 1248 | 1269 | rBV | 537750 | 1312818 | 6.81% | 1.624% |
| 7 | 10.540 | 1277 | 1284 | 1297 | rBV | 1075868 | 1918339 | 9.95% | 2.372% |
| 8 | 11.516 | 1438 | 1450 | 1477 | rBV | 2231038 | 5625961 | 29.17% | 6.958% |
| 9 | 13.010 | 1697 | 1704 | 1722 | rBV | 8445469 | 12165948 | 63.08% | 15.046% |
| 10 | 14.392 | 1933 | 1939 | 1956 | rVB | 1779670 | 2743703 | 14.23% | 3.393% |
| 11 | 15.757 | 2165 | 2171 | 2182 | rBV | 352981 | 520261 | 2.70% | 0.643% |
| 12 | 15.892 | 2187 | 2194 | 2216 | rBV | 6964284 | 10602956 | 54.98% | 13.113% |
| 13 | 16.598 | 2309 | 2314 | 2321 | rVB | 441338 | 616059 | 3.19% | 0.762% |
| 14 | 17.145 | 2401 | 2407 | 2420 | rBV | 2197050 | 3170702 | 16.44% | 3.921% |
| 15 | 18.045 | 2554 | 2560 | 2568 | rBV | 1487258 | 2215520 | 11.49% | 2.740% |
| 16 | 19.321 | 2773 | 2777 | 2789 | rBV | 484335 | 839837 | 4.35% | 1.039% |
| 17 | 19.674 | 2834 | 2837 | 2844 | rBV | 151479 | 193997 | 1.01% | 0.240% |
| 18 | 19.774 | 2848 | 2854 | 2862 | rVB | 16012713 | 19286006 | 100.00% | 23.851% |
| 19 | 20.515 | 2978 | 2980 | 2987 | rVB | 206589 | 207304 | 1.07% | 0.256% |
| 20 | 21.392 | 3124 | 3129 | 3135 | rBV | 2282621 | 3267112 | 16.94% | 4.041% |
| 21 | 24.386 | 3632 | 3638 | 3649 | rVB | 1351096 | 3389325 | 17.57% | 4.192% |

Sum of corrected areas: 80858899

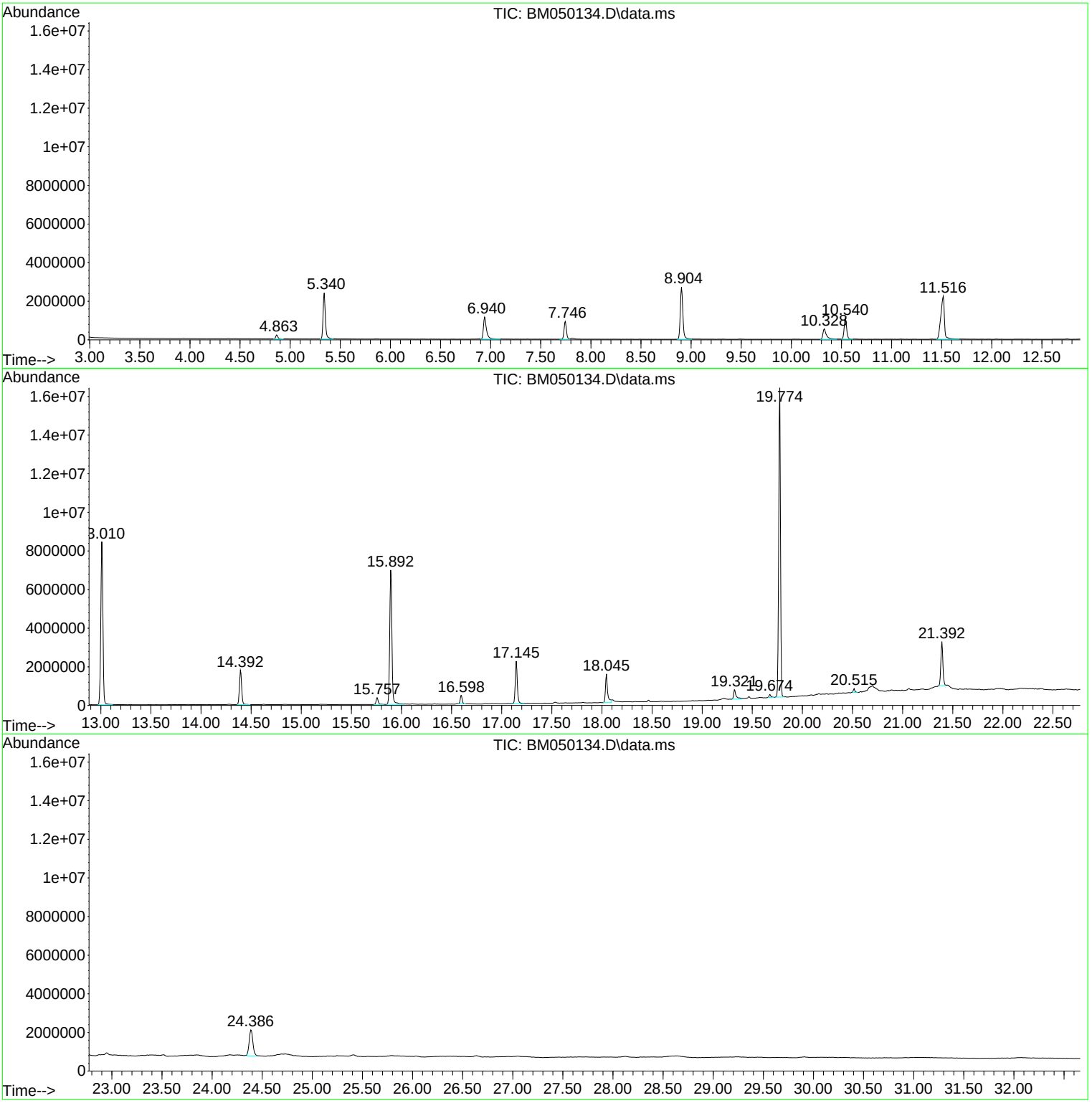
Sample Results: **BM050134.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050134.D
Acq On : 07 May 2025 14:26
Operator : RC/JU
Sample : Q1945-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB1W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Sample Results: **BM050134.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050134.D
Acq On : 07 May 2025 14:26
Operator : RC/JU
Sample : Q1945-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB1W

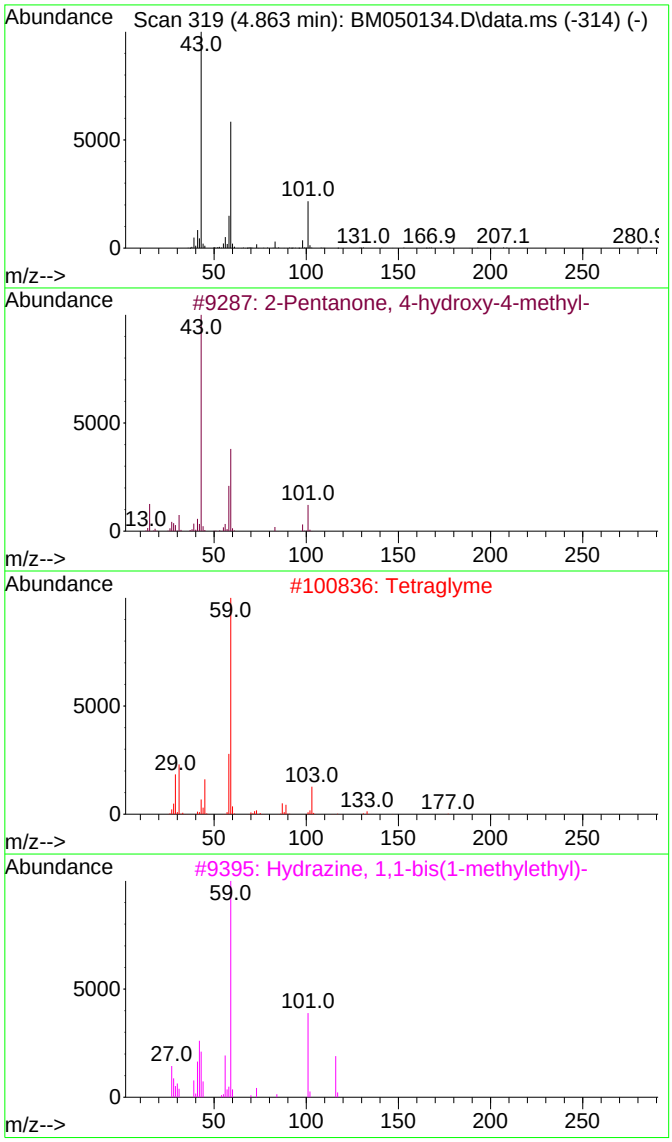
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

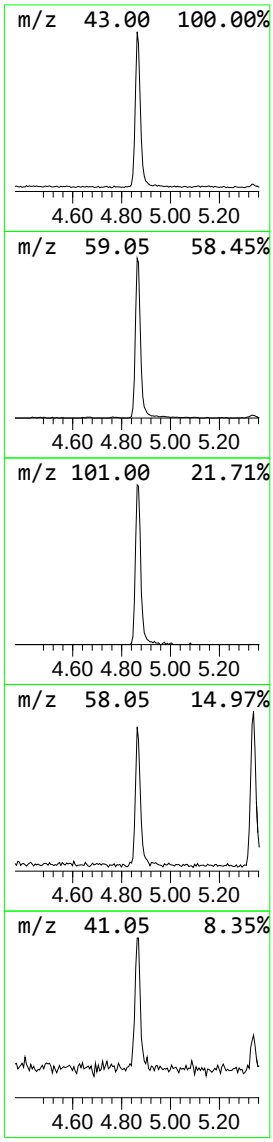
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.863 | 4.13 ng | 310157 | 1,4-Dichlorobenzene-d4 | 7.746 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | Tetraglyme | 222 | C10H22O5 | 000143-24-8 | 37 |
| 3 | Hydrazine, 1,1-bis(1-methylethyl)- | 116 | C6H16N2 | 000921-14-2 | 28 |
| 4 | 1,3-Dioxolane-2-methanol, 2,4-di... | 132 | C6H12O3 | 053951-43-2 | 25 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 17 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050134.D
Acq On : 07 May 2025 14:26
Operator : RC/JU
Sample : Q1945-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB1W

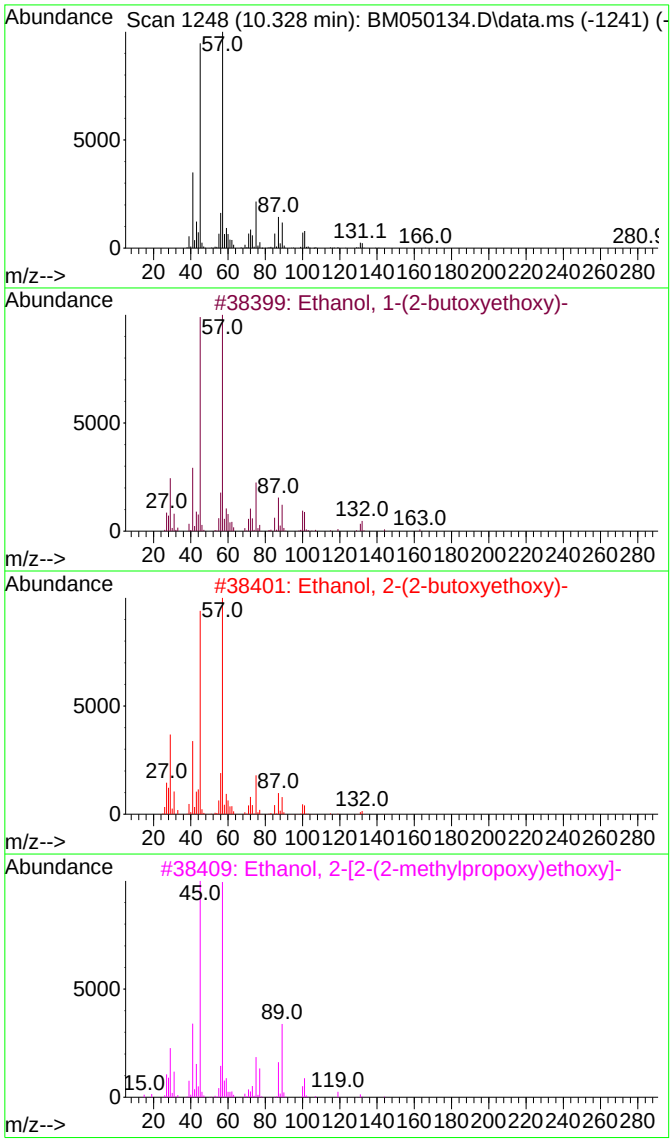
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

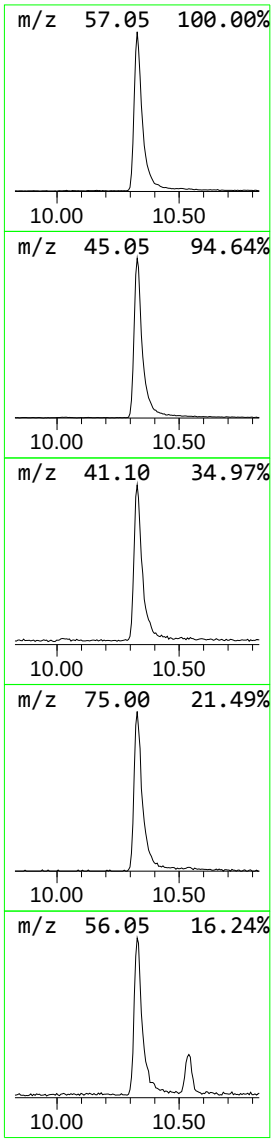
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Ethanol, 1-(2-butoxyethoxy)- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.328 | 13.69 ng | 1312820 | Naphthalene-d8 | 10.540 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 1-(2-butoxyethoxy)- | 162 | C8H18O3 | 054446-78-5 | 90 |
| 2 | Ethanol, 2-(2-butoxyethoxy)- | 162 | C8H18O3 | 000112-34-5 | 90 |
| 3 | Ethanol, 2-[2-(2-methylpropoxy)e... | 162 | C8H18O3 | 018912-80-6 | 72 |
| 4 | 3,3-Dimethylbutane-2-ol | 102 | C6H14O | 000464-07-3 | 52 |
| 5 | Methoxyacetic acid, 2-butyl ester | 146 | C7H14O3 | 070159-90-9 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050134.D
Acq On : 07 May 2025 14:26
Operator : RC/JU
Sample : Q1945-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB1W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

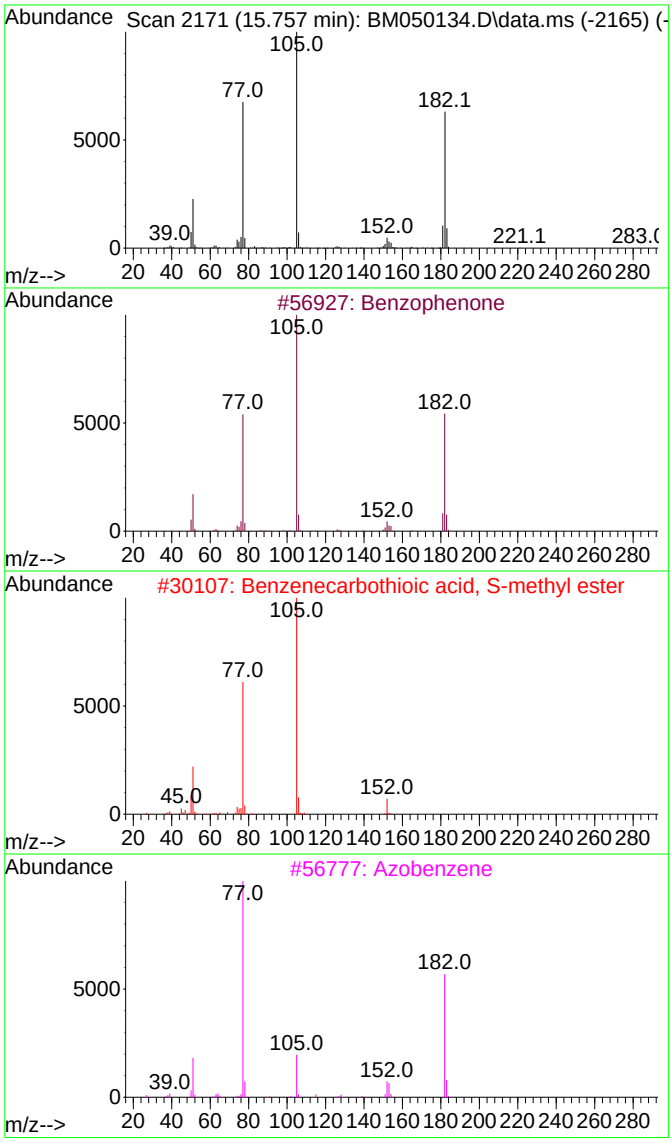
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

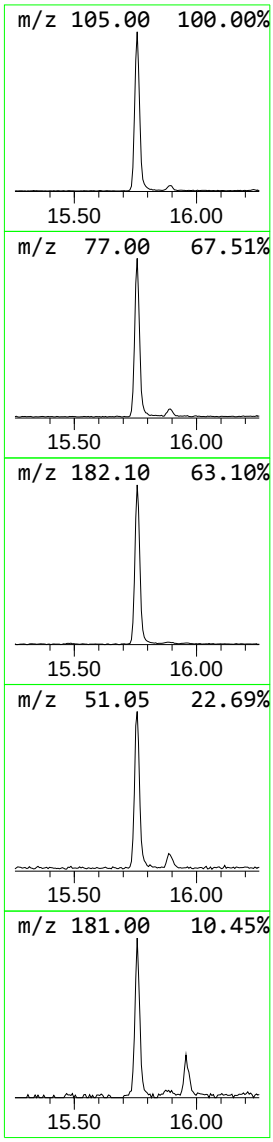
**********

Peak Number 3 Benzophenone Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.757 | 3.79 ng | 520261 | Acenaphthene-d10 | 14.392 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS | 005925-68-8 | 47 |
| 3 | Azobenzene | 182 | C12H10N2 | 000103-33-3 | 47 |
| 4 | N-[2,2-Dichloro-1-(toluene-4-sul... | 371 | C16H15Cl2NO3S | 136800-77-6 | 43 |
| 5 | Vinyl benzoate | 148 | C9H8O2 | 000769-78-8 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050134.D
Acq On : 07 May 2025 14:26
Operator : RC/JU
Sample : Q1945-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB1W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

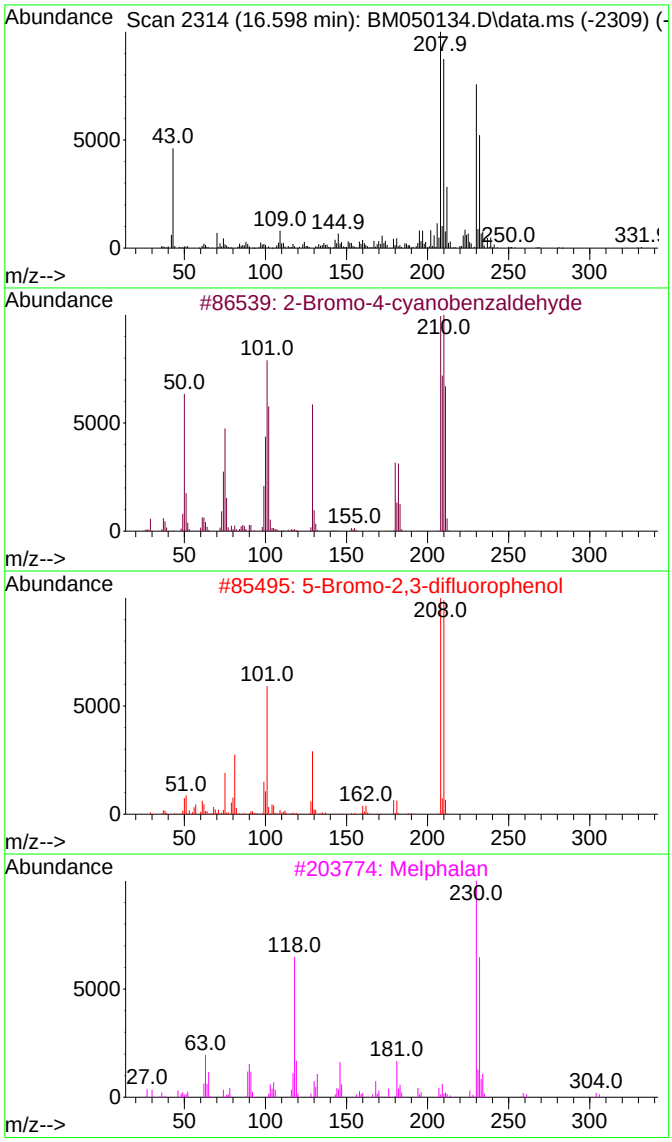
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

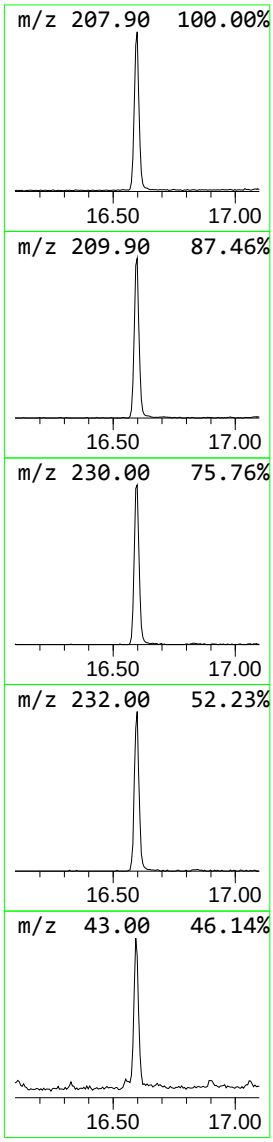
**********

Peak Number 4 unknown16.598 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.598 | 3.89 ng | 616059 | Phenanthrene-d10 | 17.145 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Bromo-4-cyanobenzaldehyde | 209 | C8H4BrNO | 089891-69-0 | 38 |
| 2 | 5-Bromo-2,3-difluorophenol | 208 | C6H3BrF2O | 186590-26-1 | 35 |
| 3 | Melphalan | 304 | C13H18Cl2N2O2 | 000148-82-3 | 27 |
| 4 | Methyl 2-amino-3-(4-(N,N-bis(2-c... | 318 | C14H20Cl2N2O2 | 1000468-61-4 | 22 |
| 5 | 2-(1-Piperazinyl)nicotinamide, N... | 278 | C13H22N4OSi | 1000476-27-4 | 18 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050134.D
Acq On : 07 May 2025 14:26
Operator : RC/JU
Sample : Q1945-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB1W

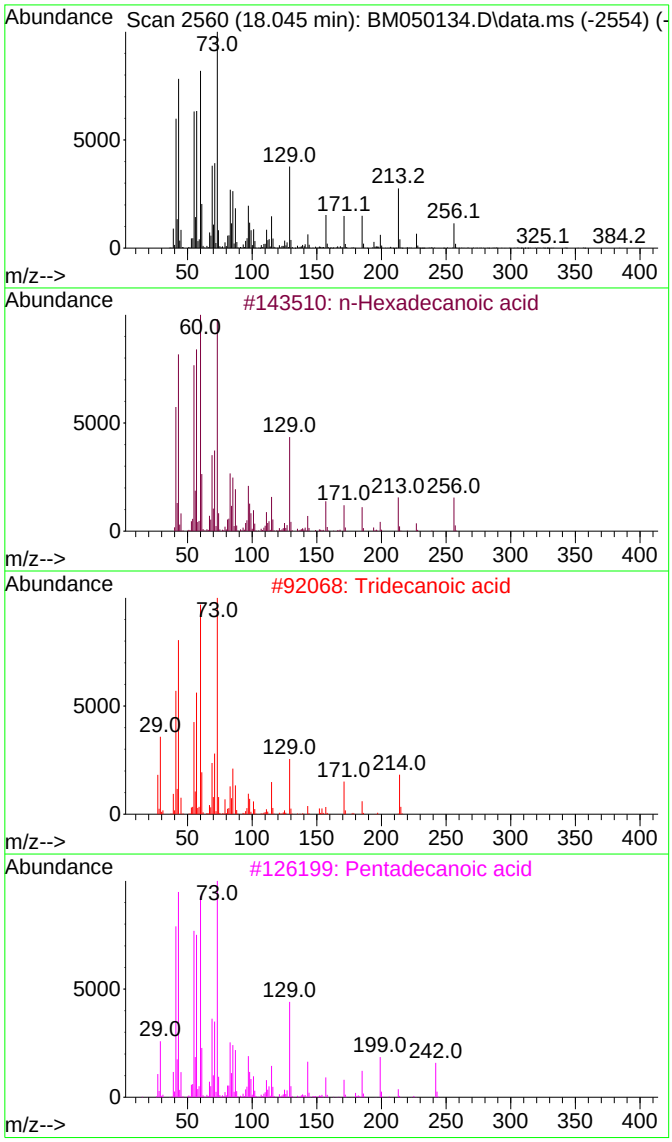
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

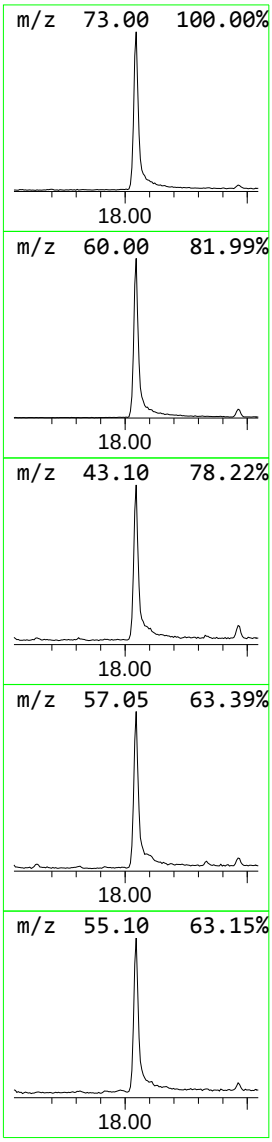
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 n-Hexadecanoic acid Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.045 | 13.97 ng | 2215520 | Phenanthrene-d10 | 17.145 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 91 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 91 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 87 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050134.D
Acq On : 07 May 2025 14:26
Operator : RC/JU
Sample : Q1945-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB1W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

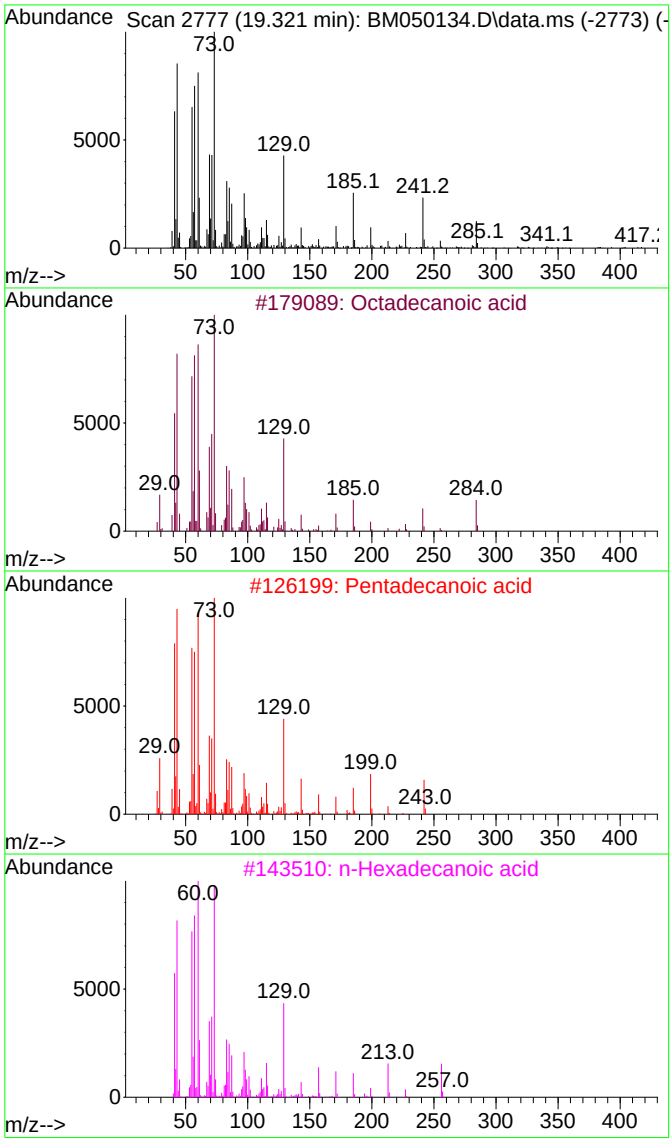
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

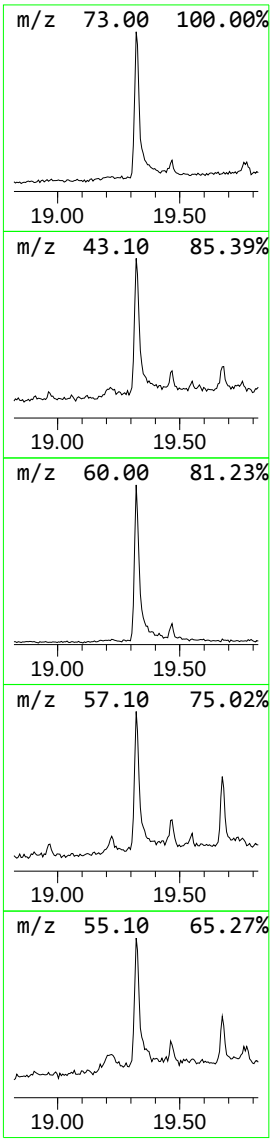
**********

Peak Number 6 Octadecanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.321 | 5.14 ng | 839837 | Chrysene-d12 | 21.392 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 93 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 87 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 83 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 76 |



Sample Results: **BM050134.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050134.D
Acq On : 07 May 2025 14:26
Operator : RC/JU
Sample : Q1945-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB1W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.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 |
| 2-Pentanone, 4-... | 4.863 | 4.1 | ng | 310157 | 1 | 7.746 | 1502810 | 20.0 |
| Ethanol, 1-(2-b... | 10.328 | 13.7 | ng | 1312820 | 2 | 10.540 | 1918340 | 20.0 |
| Benzophenone | 15.757 | 3.8 | ng | 520261 | 3 | 14.392 | 2743700 | 20.0 |
| unknown16.598 | 16.598 | 3.9 | ng | 616059 | 4 | 17.145 | 3170700 | 20.0 |
| n-Hexadecanoic ... | 18.045 | 14.0 | ng | 2215520 | 4 | 17.145 | 3170700 | 20.0 |
| Octadecanoic acid | 19.321 | 5.1 | ng | 839837 | 5 | 21.392 | 3267110 | 20.0 |

Sample Results: **BM050137.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050137.D
Acq On : 07 May 2025 16:24
Operator : RC/JU
Sample : Q1945-01DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB1WDL

Quant Time: May 07 17:05:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

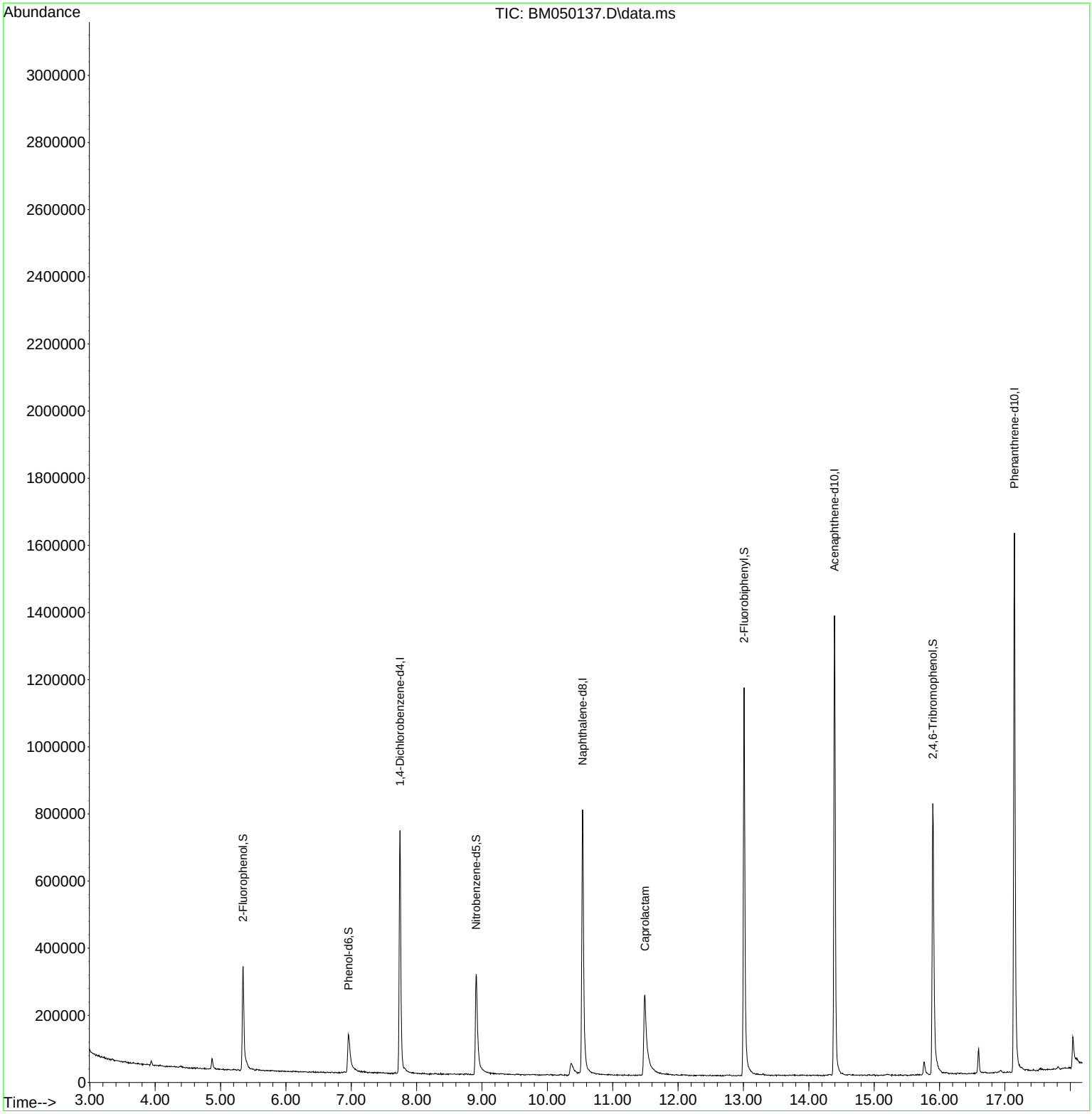
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.746 | 152 | 237908 | 20.000 | ng | -0.02 |
| 21) Naphthalene-d8 | 10.540 | 136 | 833708 | 20.000 | ng | -0.02 |
| 39) Acenaphthene-d10 | 14.392 | 164 | 563306 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.145 | 188 | 1154973 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 21.392 | 240 | 1121664 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.386 | 264 | 1136201 | 20.000 | ng | -0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.346 | 112 | 193342 | 14.231 | ng | -0.01 |
| 7) Phenol-d6 | 6.957 | 99 | 135739 | 7.949 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.910 | 82 | 275583 | 16.288 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 15.898 | 330 | 223621 | 26.848 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.010 | 172 | 748052 | 15.710 | ng | -0.02 |
| 79) Terphenyl-d14 | 19.768 | 244 | 1216066 | 16.043 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 35) Caprolactam | 11.492 | 113 | 95555m | 23.603 | ng | |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050137.D
Acq On : 07 May 2025 16:24
Operator : RC/JU
Sample : Q1945-01DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB1WDL

Quant Time: May 07 17:05:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

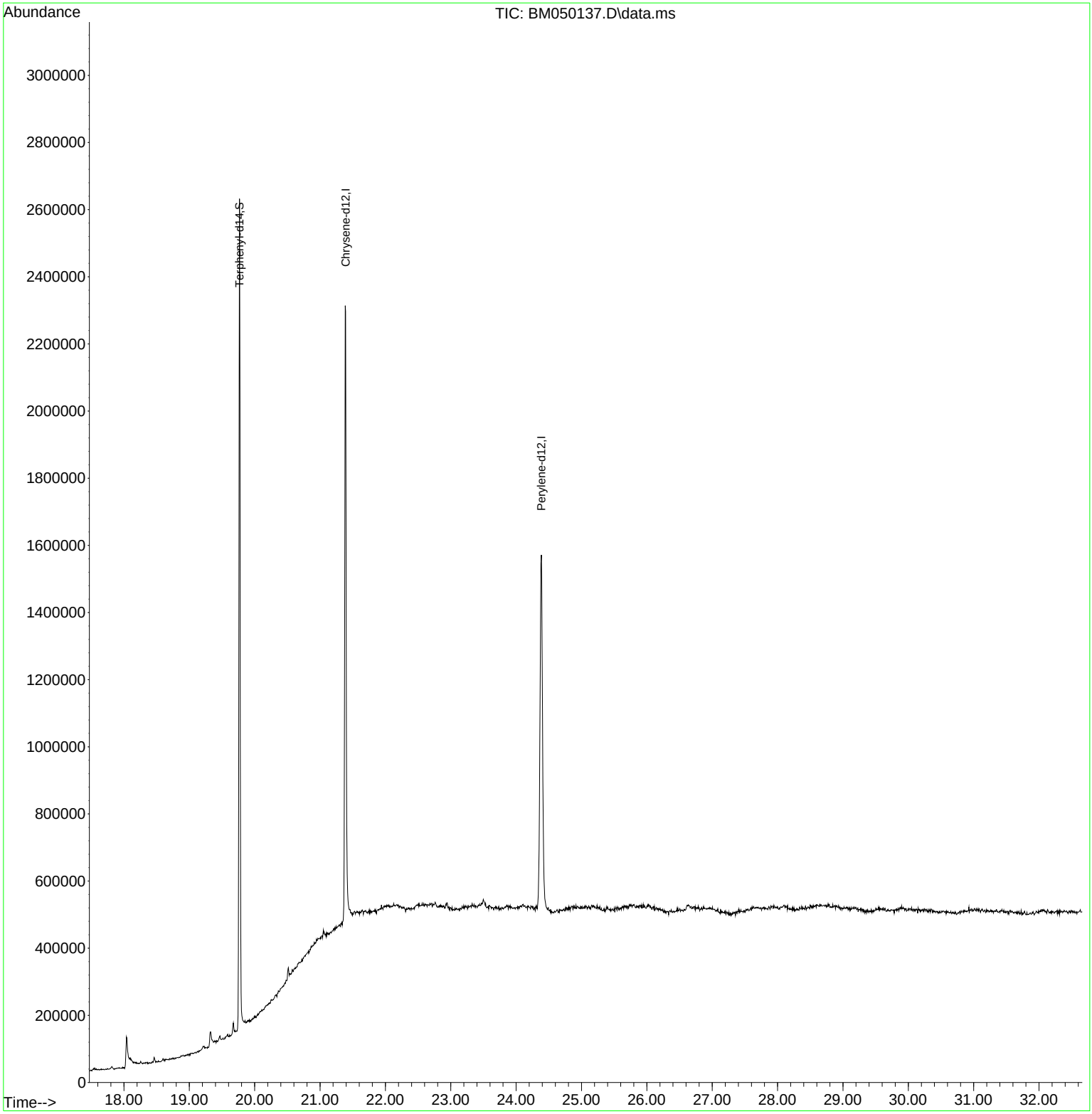


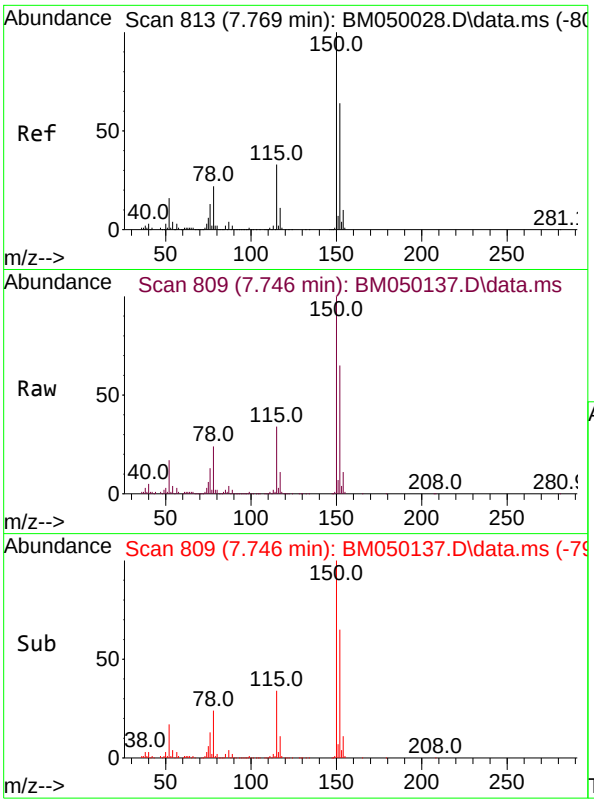
Sample Results: **BM050137.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050137.D
Acq On : 07 May 2025 16:24
Operator : RC/JU
Sample : Q1945-01DL 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB1WDL

Quant Time: May 07 17:05:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



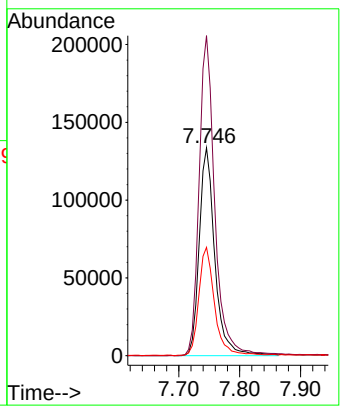


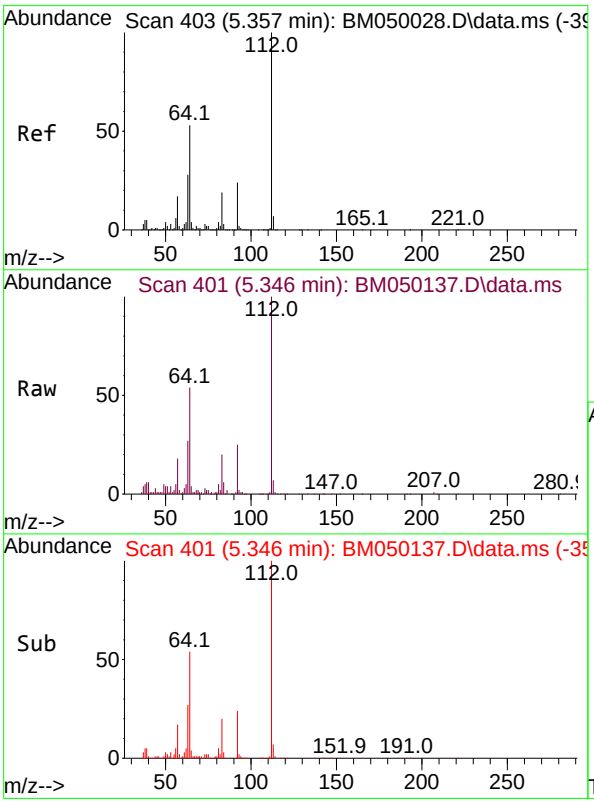

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.746 min Scan# 80
Delta R.T. -0.023 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

**Instrument :**
BNA_M
**ClientSampleId :**
GB1WDL

Tgt Ion:152 Resp: 237908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.0 | 124.1 | 186.1 |
| 115 | 52.1 | 41.2 | 61.8 |

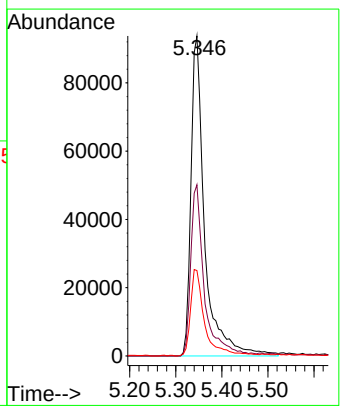


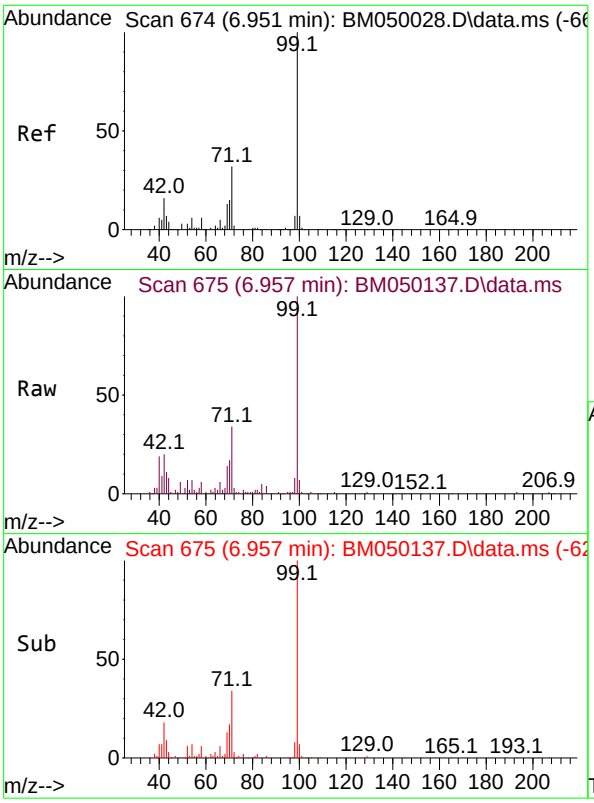




#5
2-Fluorophenol
Concen: 14.231 ng
RT: 5.346 min Scan# 401
Delta R.T. -0.012 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

Tgt Ion:112 Resp: 193342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.5 | 42.6 | 64.0 |
| 63 | 26.7 | 22.2 | 33.4 |



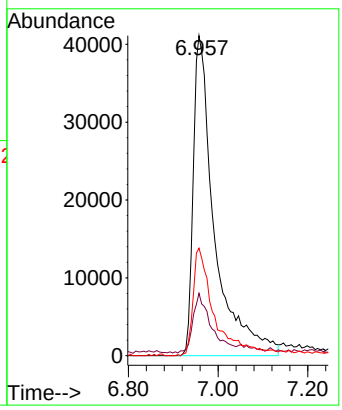


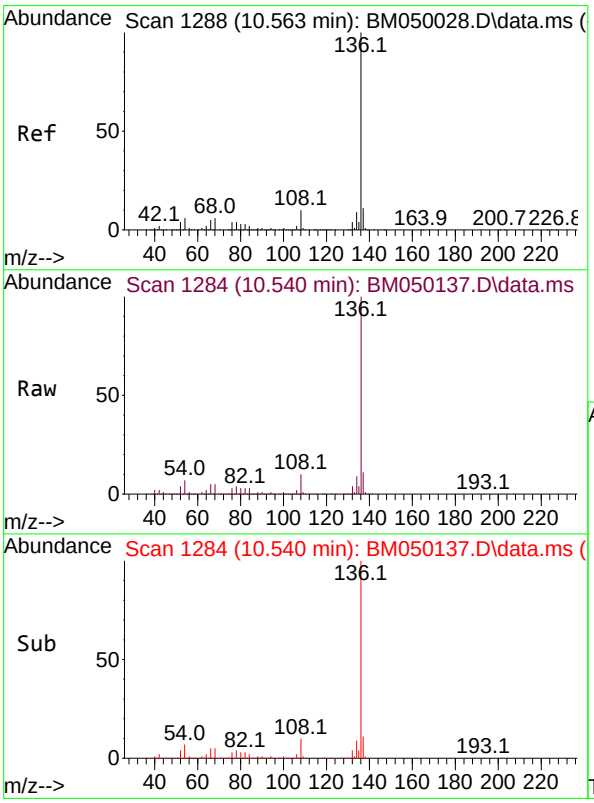

#7
Phenol-d6
Concen: 7.949 ng
RT: 6.957 min Scan# 6
Delta R.T. 0.006 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

**Instrument :**
BNA_M
**ClientSampleId :**
GB1WDL

Tgt Ion: 99 Resp: 135739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.5 | 13.0 | 19.4# |
| 71 | 33.6 | 25.6 | 38.4 |

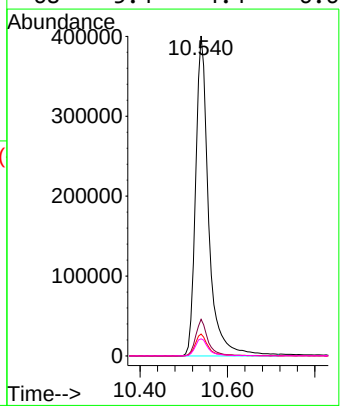


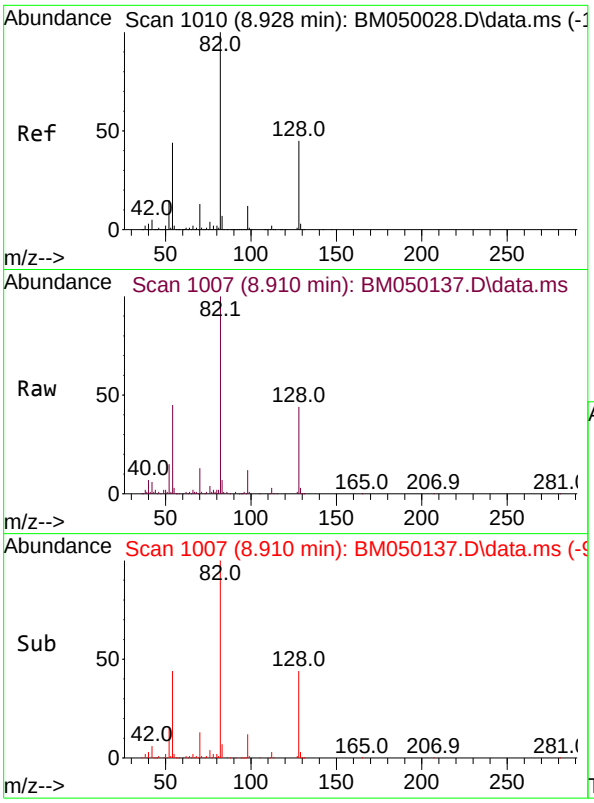




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.540 min Scan# 1284
Delta R.T. -0.023 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

Tgt Ion:136 Resp: 833708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.5 | 8.9 | 13.3 |
| 54 | 6.8 | 5.1 | 7.7 |
| 68 | 5.4 | 4.4 | 6.6 |



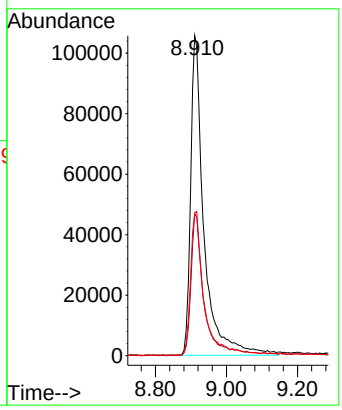


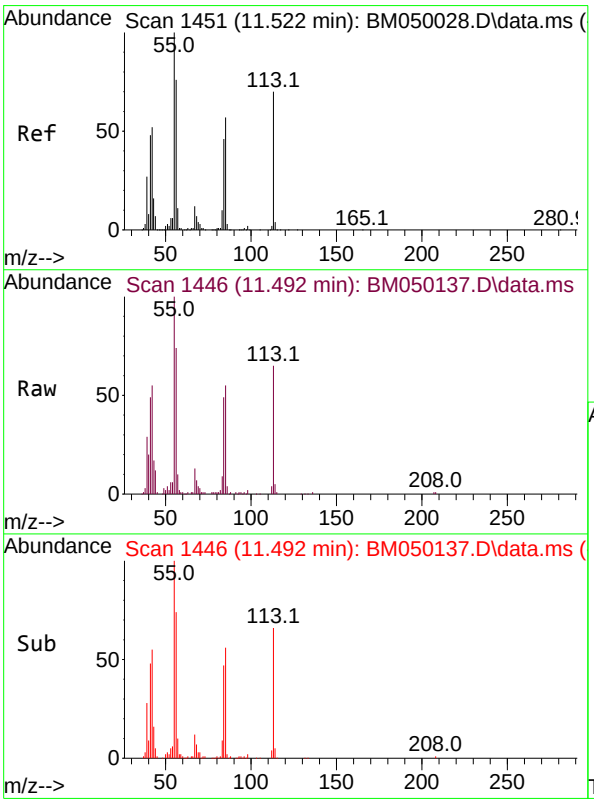

#23
Nitrobenzene-d5
Concen: 16.288 ng
RT: 8.910 min Scan# 1(
Delta R.T. -0.018 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

**Instrument :**
BNA_M
**ClientSampleId :**
GB1WDL

Tgt Ion: 82 Resp: 275583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.4 | 35.7 | 53.5 |
| 54 | 44.6 | 35.4 | 53.2 |

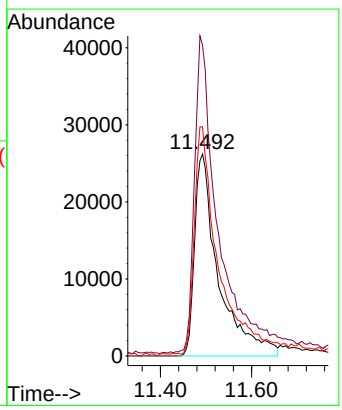


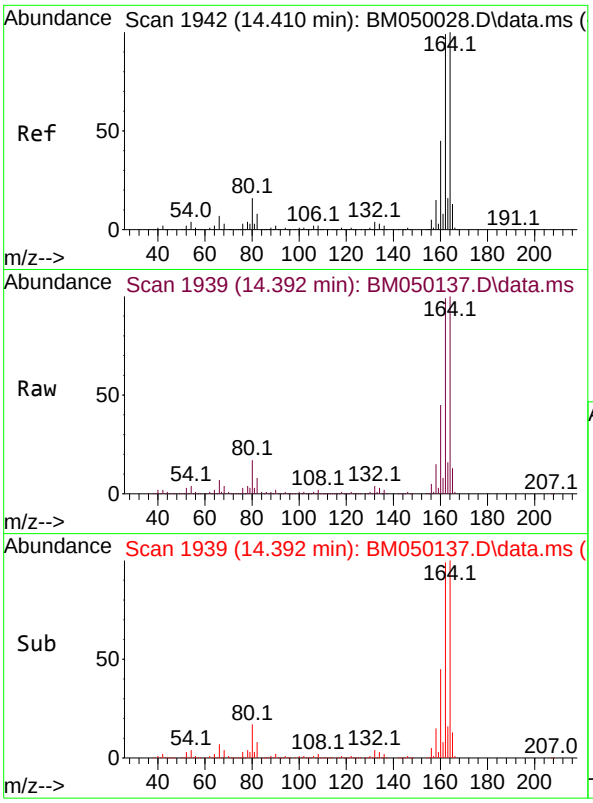




#35
Caprolactam
Concen: 23.603 ng m
RT: 11.492 min Scan# 1446
Delta R.T. -0.029 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

Tgt Ion:113 Resp: 95555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 153.9 | 122.9 | 162.9 |
| 56 | 113.5 | 88.1 | 128.1 |



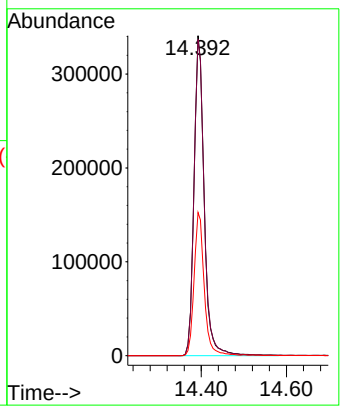


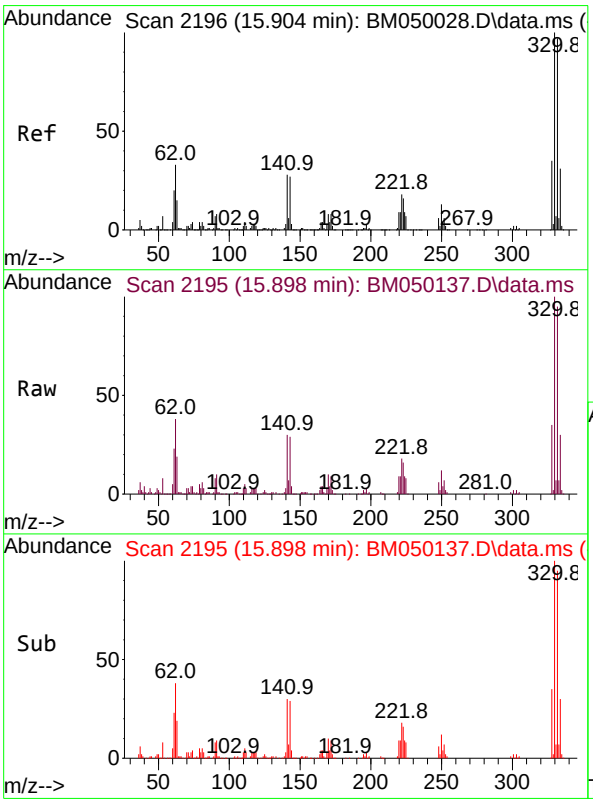

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

**Instrument :**
BNA_M
**ClientSampleId :**
GB1WDL

Tgt Ion:164 Resp: 563306

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.9 | 79.4 | 119.0 |
| 160 | 44.8 | 36.2 | 54.4 |

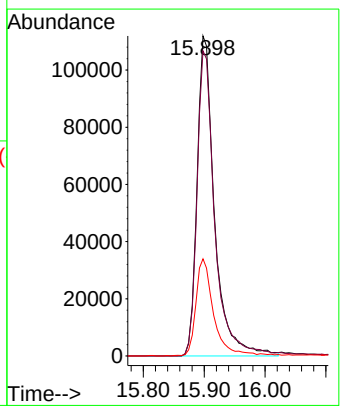


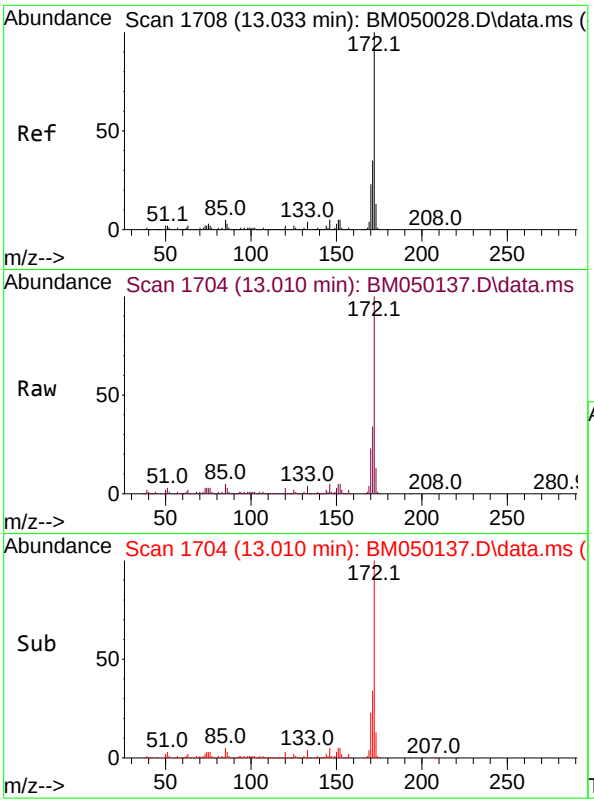




#42
2,4,6-Tribromophenol
Concen: 26.848 ng
RT: 15.898 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

Tgt Ion:330 Resp: 223621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 77.3 | 115.9 |
| 141 | 31.1 | 22.5 | 33.7 |



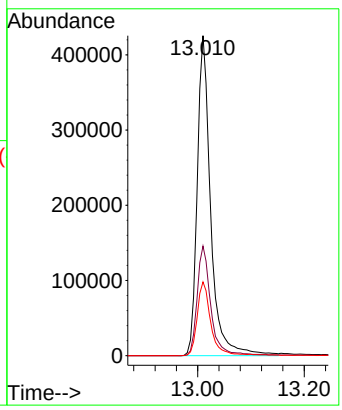


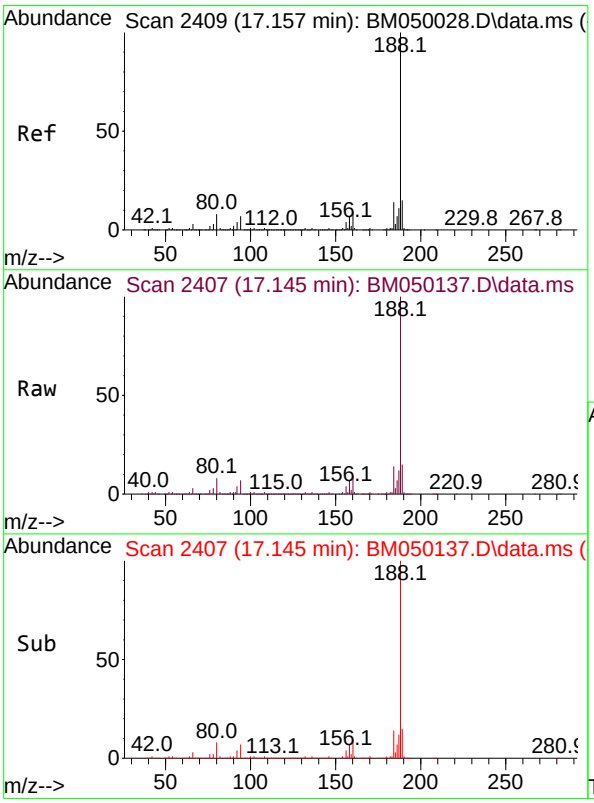

#45
2-Fluorobiphenyl
Concen: 15.710 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.023 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

**Instrument :**
BNA_M
**ClientSampleId :**
GB1WDL

Tgt Ion:172 Resp: 748052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.2 | 27.8 | 41.6 |
| 170 | 23.0 | 18.6 | 28.0 |

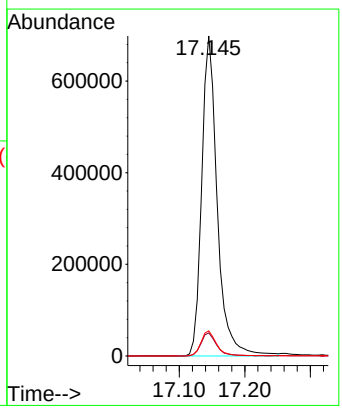


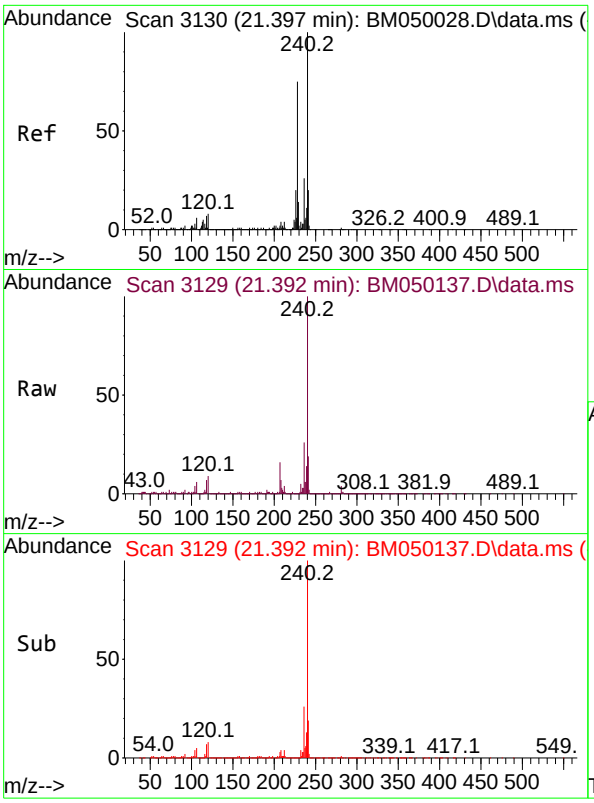




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

Tgt Ion:188 Resp: 1154973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.2 | 5.7 | 8.5 |
| 80 | 7.9 | 6.2 | 9.4 |



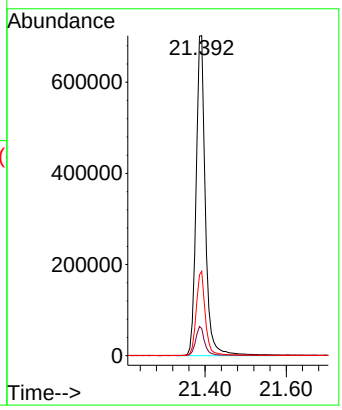


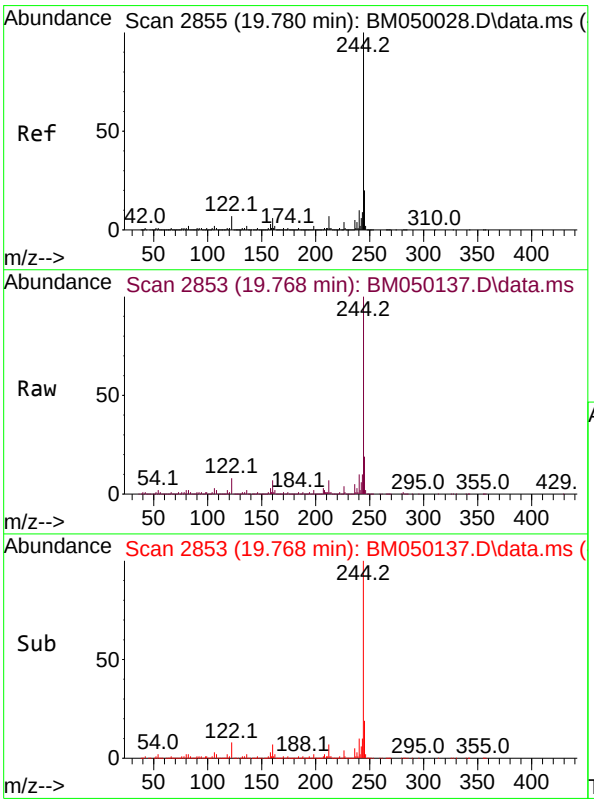

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.392 min Scan# 3
Delta R.T. -0.005 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

**Instrument :**
BNA_M
**ClientSampleId :**
GB1WDL

Tgt Ion:240 Resp: 1121664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.5 | 6.5 | 9.7 |
| 236 | 26.4 | 20.9 | 31.3 |

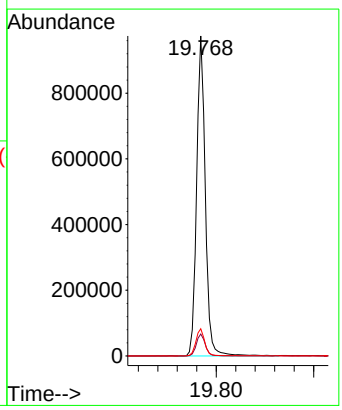


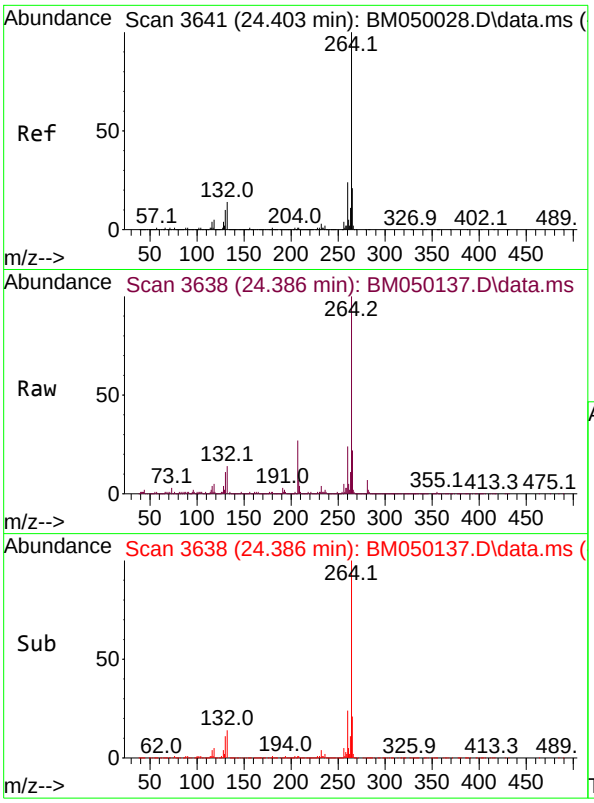




#79
Terphenyl-d14
Concen: 16.043 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

Tgt Ion:244 Resp: 1216066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.6 | 8.4 |
| 122 | 8.5 | 5.6 | 8.4# |



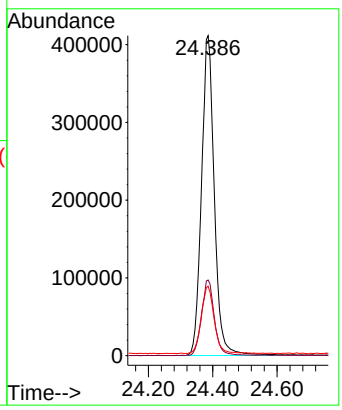



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.386 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM050137.D
Acq: 07 May 2025 16:24

**Instrument :**
BNA_M
**ClientSampleId :**
GB1WDL

Tgt Ion:264 Resp: 1136201

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.8 | 28.2 |
| 265 | 21.7 | 17.0 | 25.4 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Quant Time: May 07 15:45:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

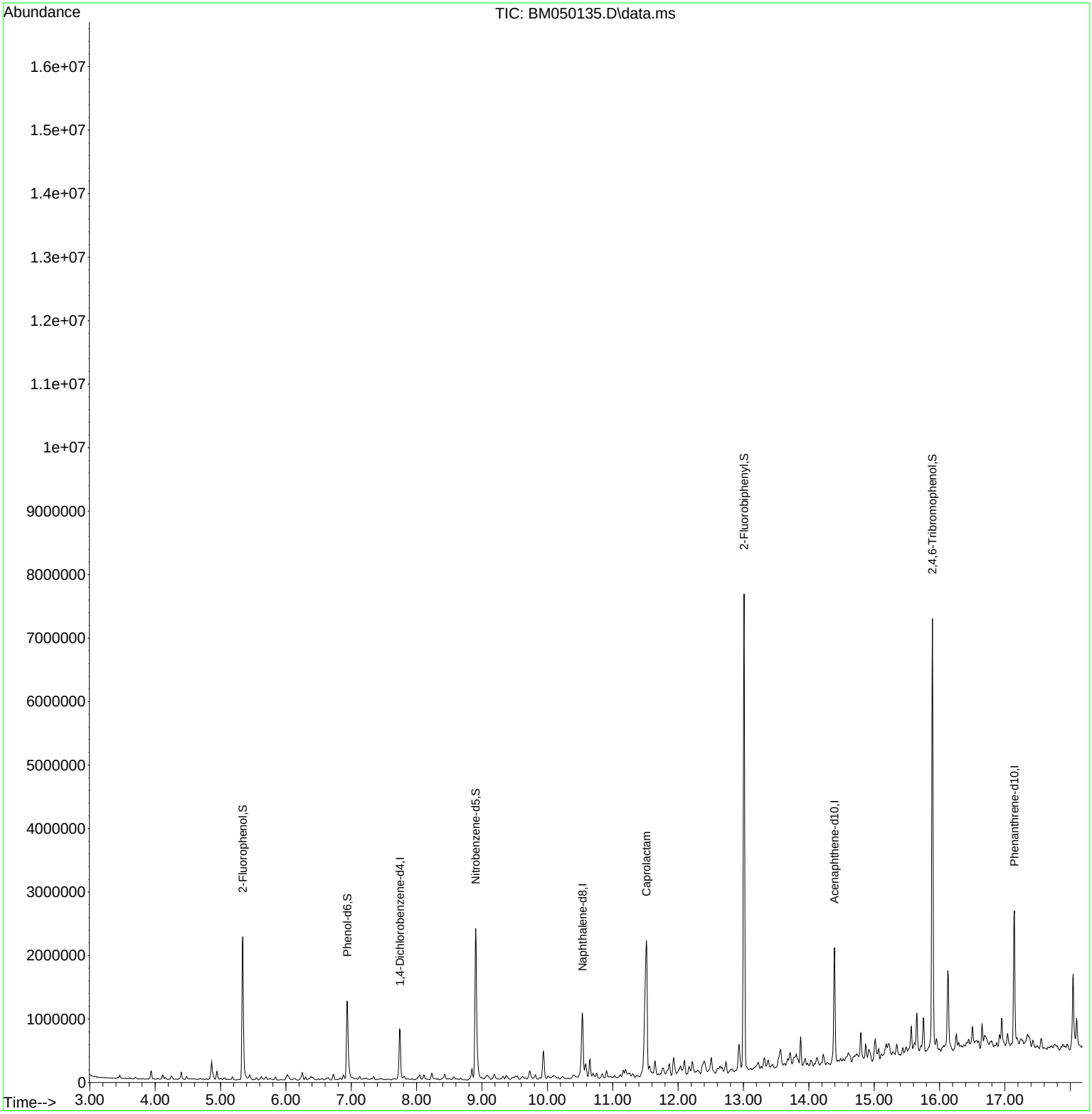
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.745 | 152 | 242816 | 20.000 | ng | -0.02 |
| 21) Naphthalene-d8 | 10.539 | 136 | 891368 | 20.000 | ng | -0.02 |
| 39) Acenaphthene-d10 | 14.392 | 164 | 635661 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.145 | 188 | 1255364 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 21.386 | 240 | 1187377 | 20.000 | ng | -0.01 |
| 86) Perylene-d12 | 24.385 | 264 | 1257762 | 20.000 | ng | -0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.340 | 112 | 1133119 | 81.715 | ng | -0.02 |
| 7) Phenol-d6 | 6.940 | 99 | 946530 | 54.309 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 8.904 | 82 | 1472624 | 81.409 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 15.892 | 330 | 1486604 | 158.165 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 13.010 | 172 | 4125107 | 76.770 | ng | -0.02 |
| 79) Terphenyl-d14 | 19.768 | 244 | 6648397 | 82.854 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 35) Caprolactam | 11.516 | 113 | 673454 | 155.586 | ng | 98 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

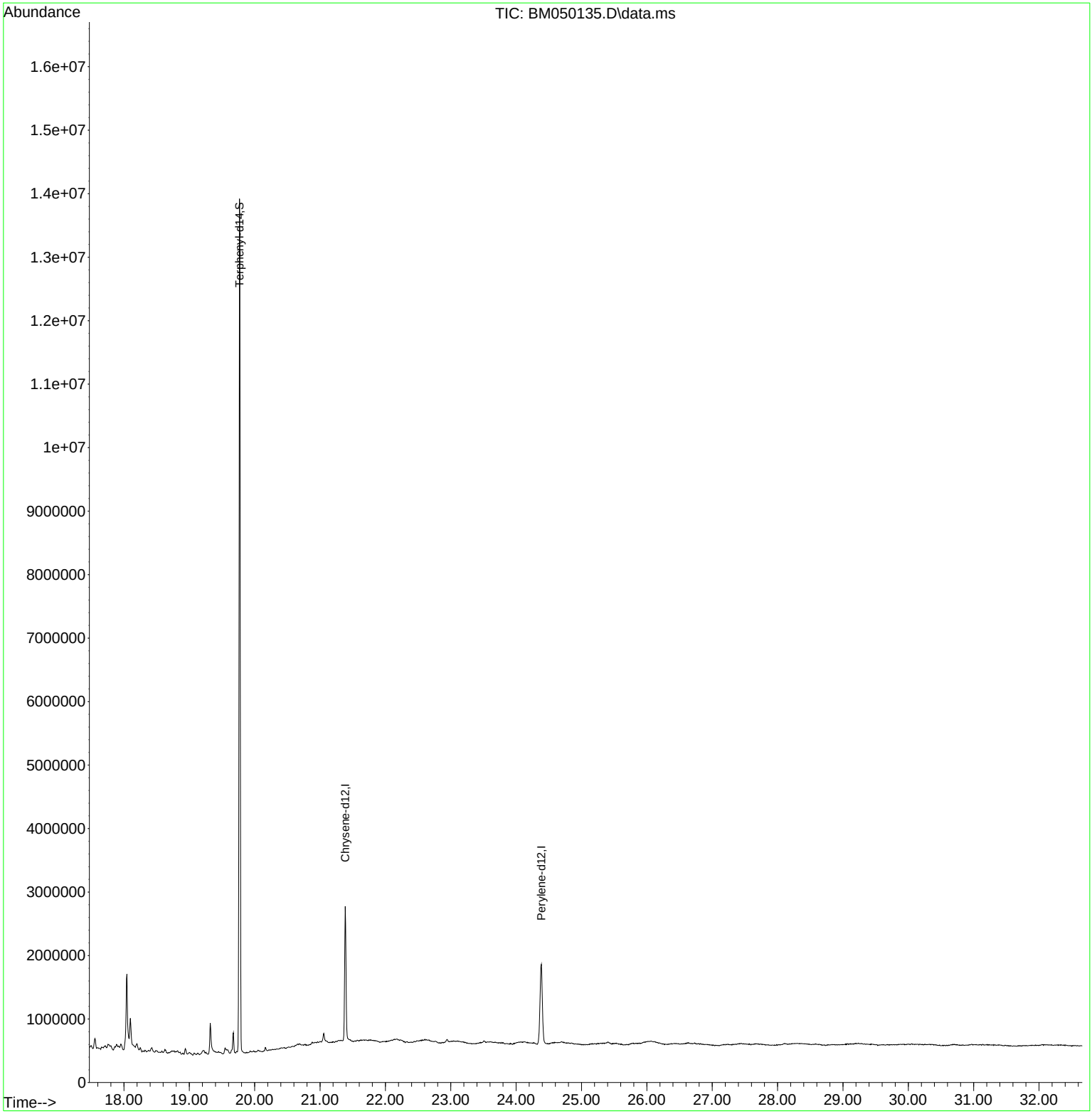
Quant Time: May 07 15:45:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

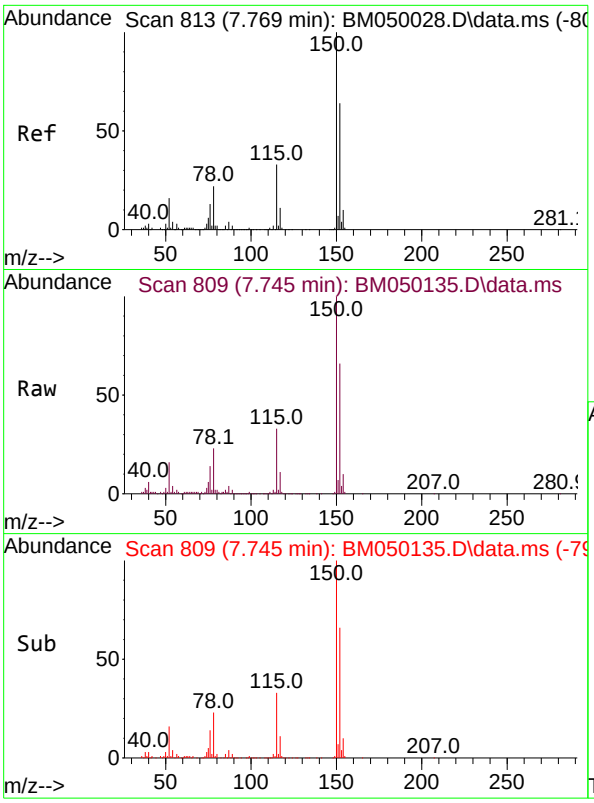


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Quant Time: May 07 15:45:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



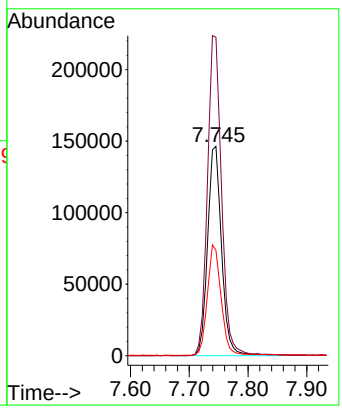


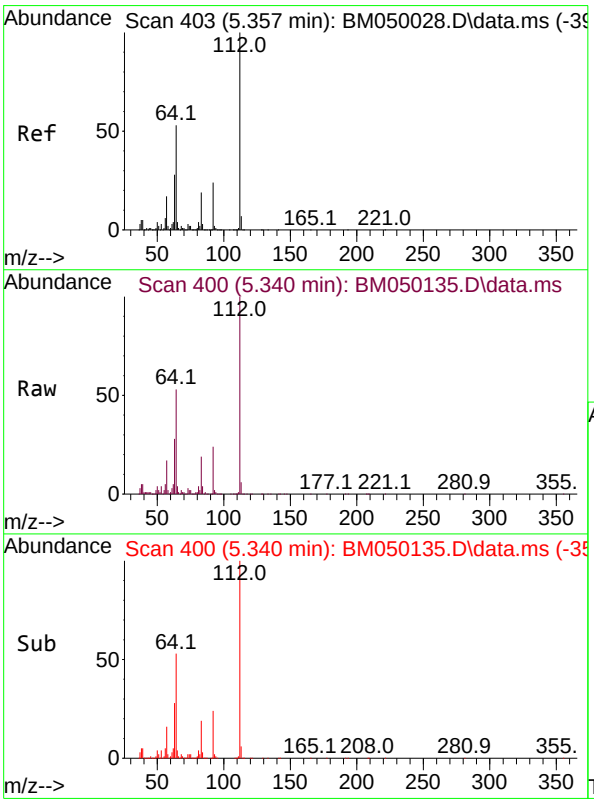

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Tgt Ion:152 Resp: 242816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.1 | 124.1 | 186.1 |
| 115 | 50.3 | 41.2 | 61.8 |

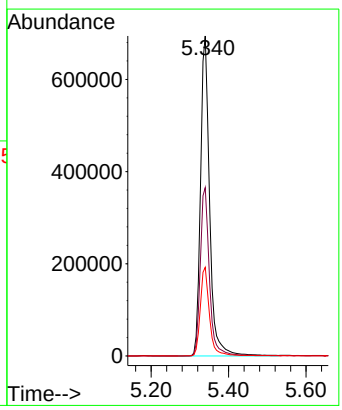


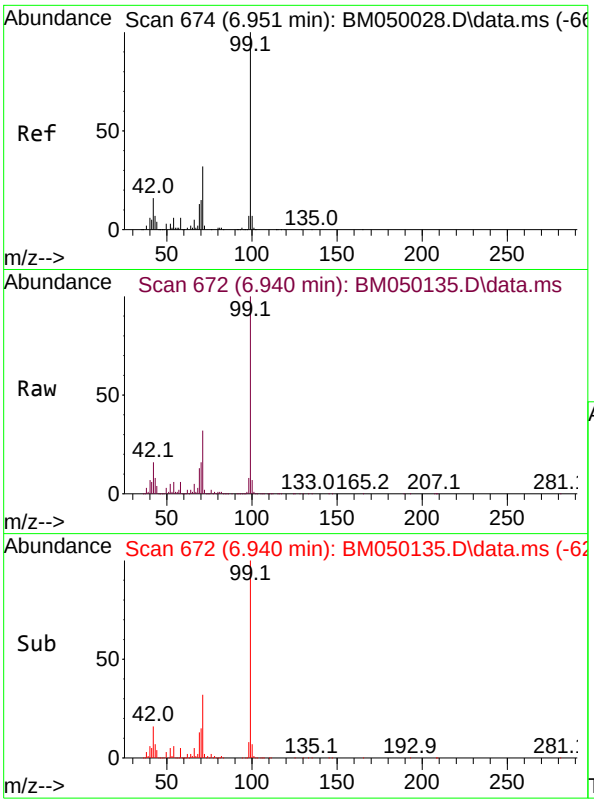




#5
2-Fluorophenol
Concen: 81.715 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

Tgt Ion:112 Resp: 1133119

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.6 | 42.6 | 64.0 |
| 63 | 27.7 | 22.2 | 33.4 |



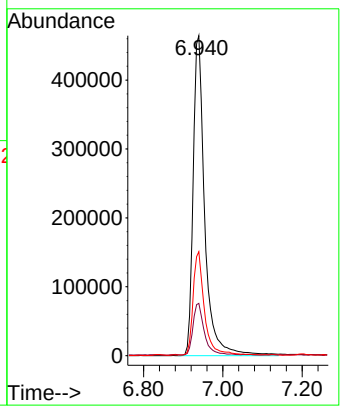


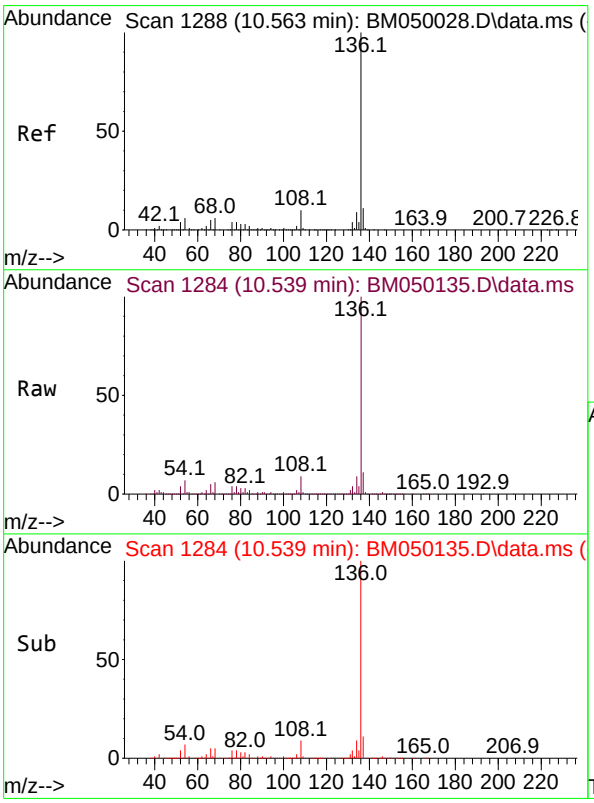

#7
Phenol-d6
Concen: 54.309 ng
RT: 6.940 min Scan# 6
Delta R.T. -0.012 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Tgt Ion: 99 Resp: 946530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.4 | 13.0 | 19.4 |
| 71 | 32.5 | 25.6 | 38.4 |

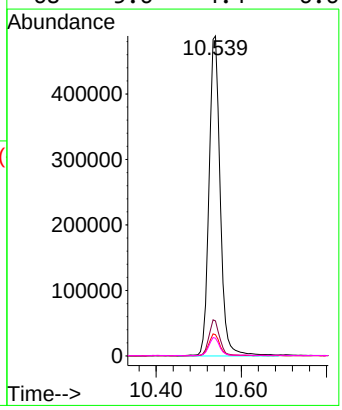


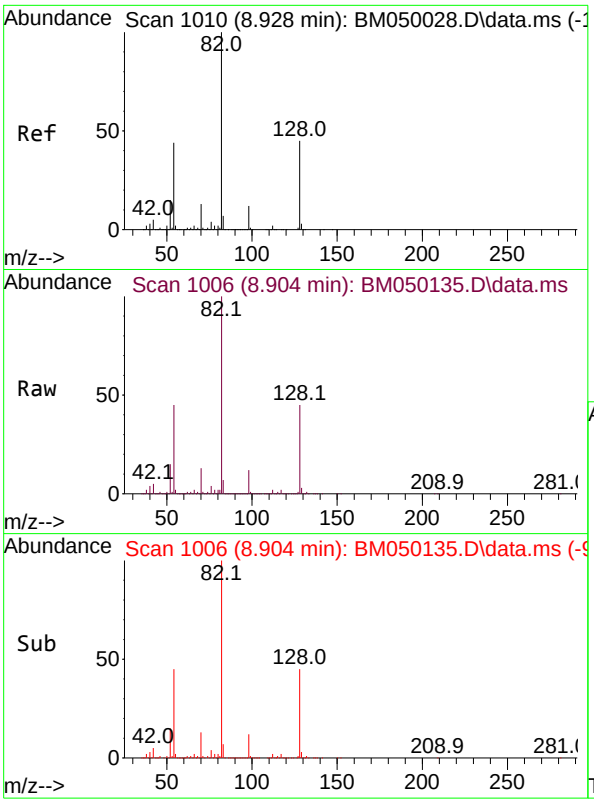




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

Tgt Ion:136 Resp: 891368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.9 | 13.3 |
| 54 | 6.7 | 5.1 | 7.7 |
| 68 | 5.6 | 4.4 | 6.6 |



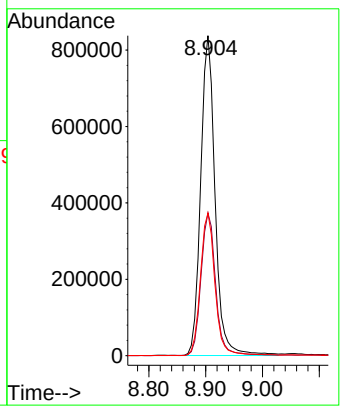


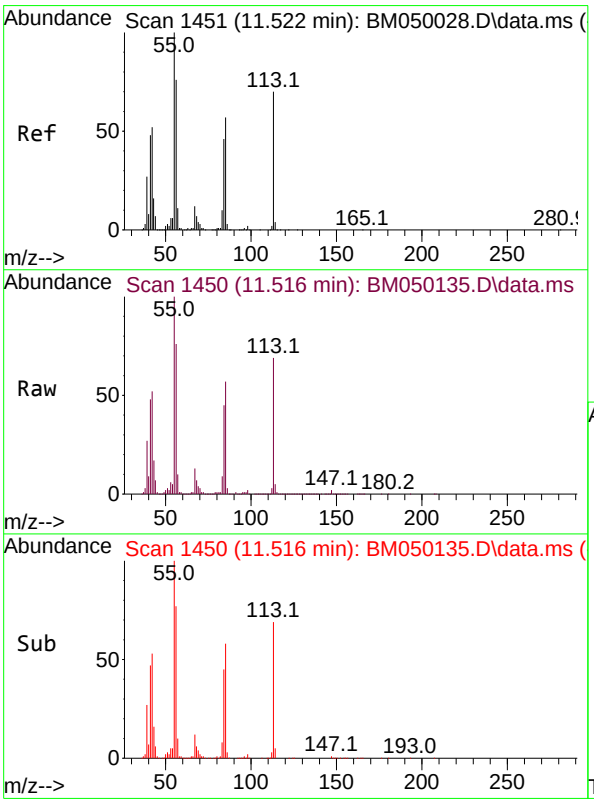

#23
Nitrobenzene-d5
Concen: 81.409 ng
RT: 8.904 min Scan# 1(
Delta R.T. -0.024 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Tgt Ion: 82 Resp: 1472624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.6 | 35.7 | 53.5 |
| 54 | 44.6 | 35.4 | 53.2 |

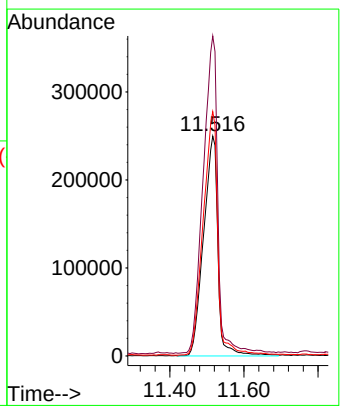


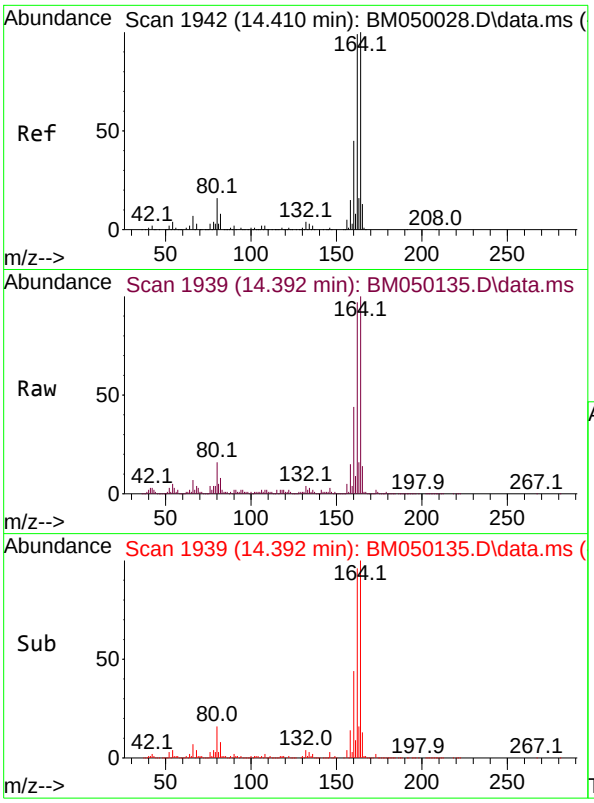




#35
Caprolactam
Concen: 155.586 ng
RT: 11.516 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

Tgt Ion:113 Resp: 673454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 145.5 | 122.9 | 162.9 |
| 56 | 111.1 | 88.1 | 128.1 |



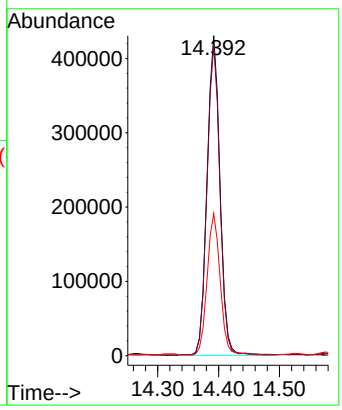


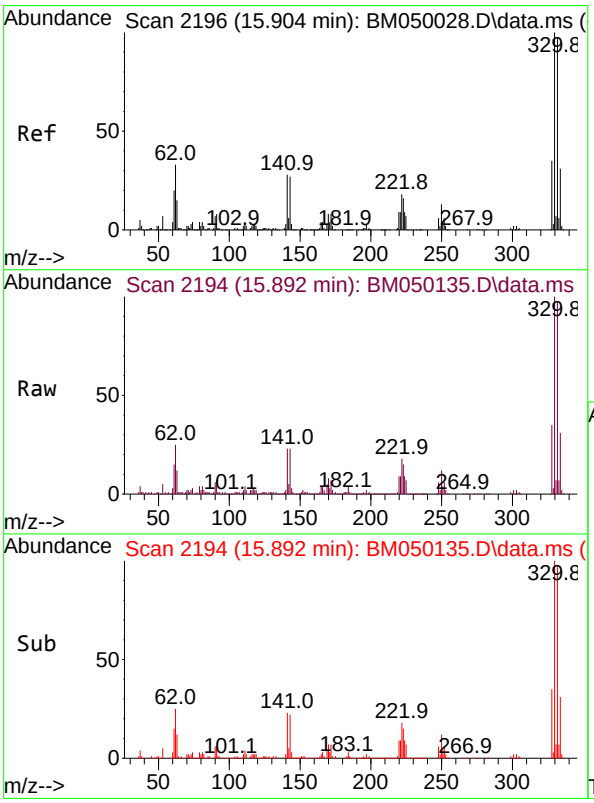

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Tgt Ion:164 Resp: 635661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 96.8 | 79.4 | 119.0 |
| 160 | 44.4 | 36.2 | 54.4 |

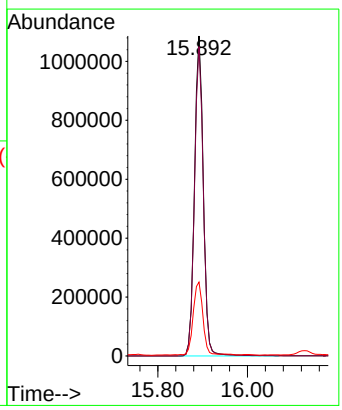


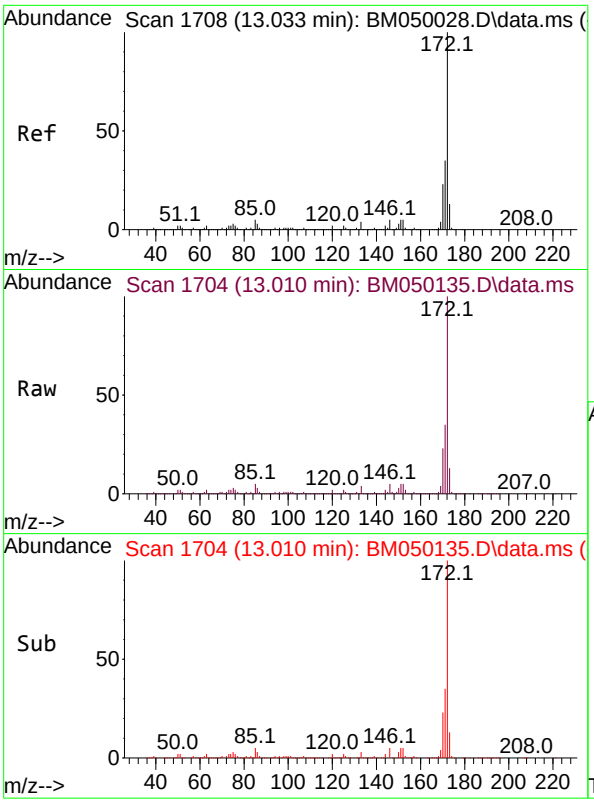




#42
2,4,6-Tribromophenol
Concen: 158.165 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.012 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

Tgt Ion:330 Resp: 1486604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.9 | 77.3 | 115.9 |
| 141 | 25.3 | 22.5 | 33.7 |



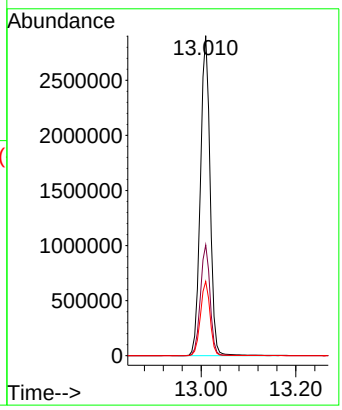


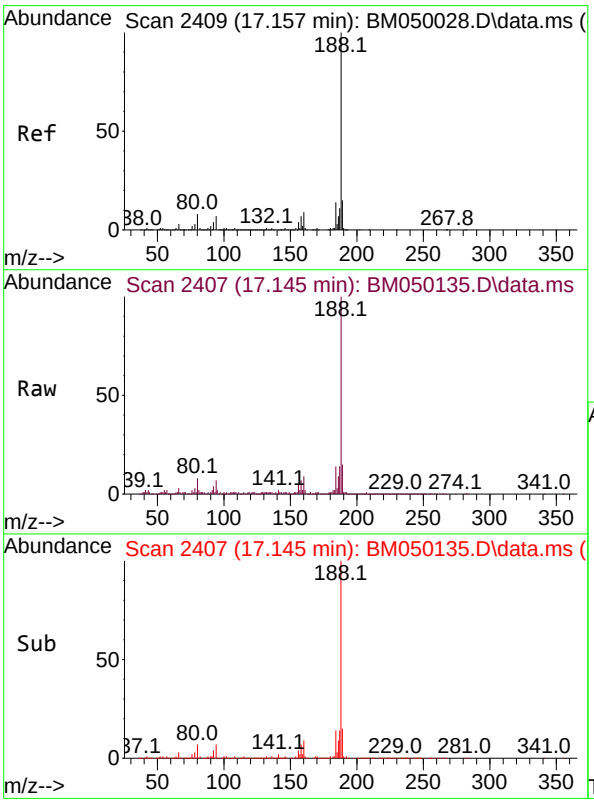

#45
2-Fluorobiphenyl
Concen: 76.770 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Tgt Ion:172 Resp: 4125107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.6 | 27.8 | 41.6 |
| 170 | 23.2 | 18.6 | 28.0 |

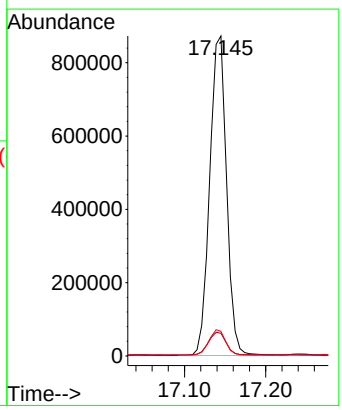


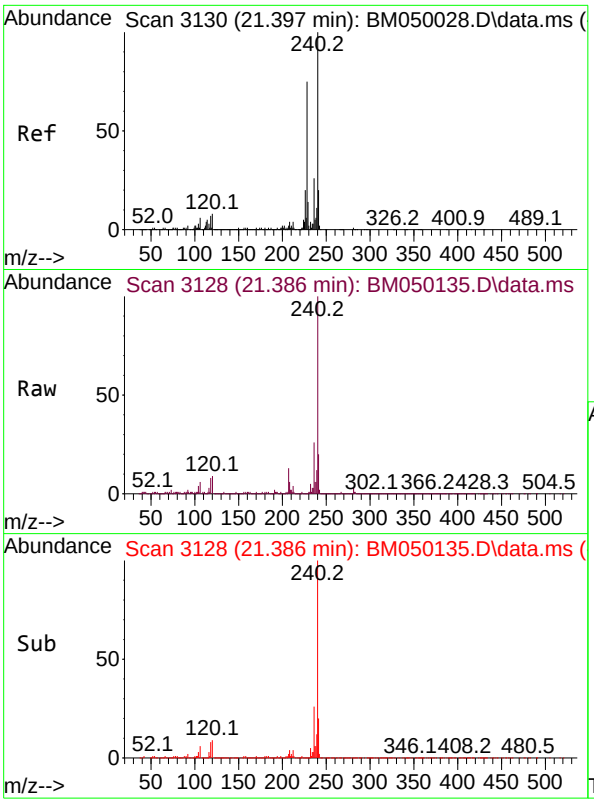




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

Tgt Ion:188 Resp: 1255364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.1 | 5.7 | 8.5 |
| 80 | 7.7 | 6.2 | 9.4 |



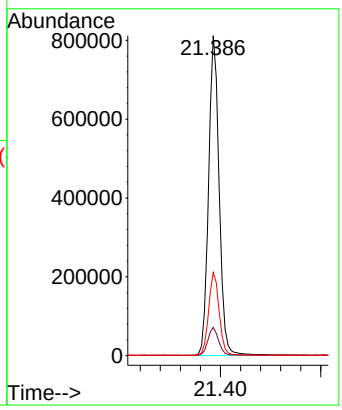


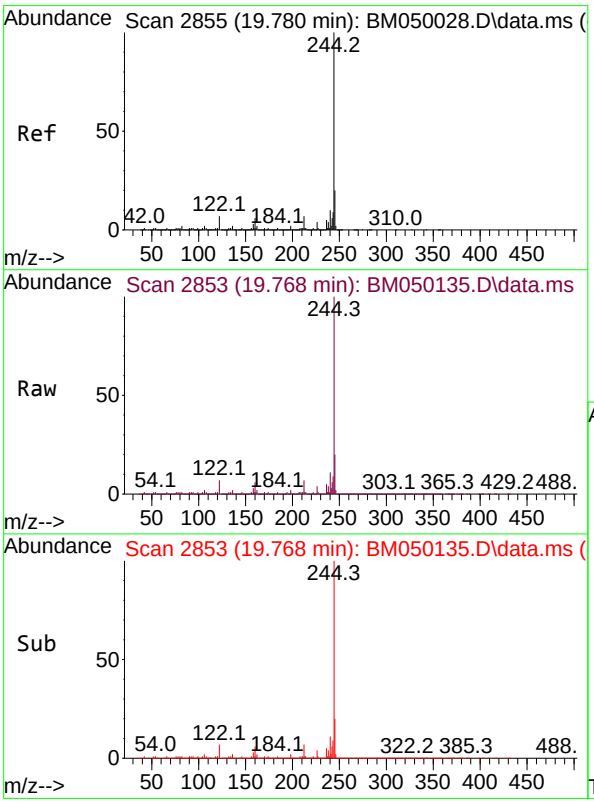

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3
Delta R.T. -0.011 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Tgt Ion:240 Resp: 1187377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.8 | 6.5 | 9.7 |
| 236 | 26.0 | 20.9 | 31.3 |

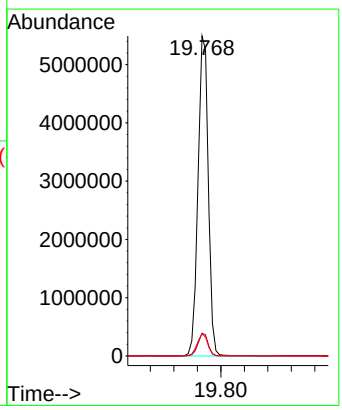


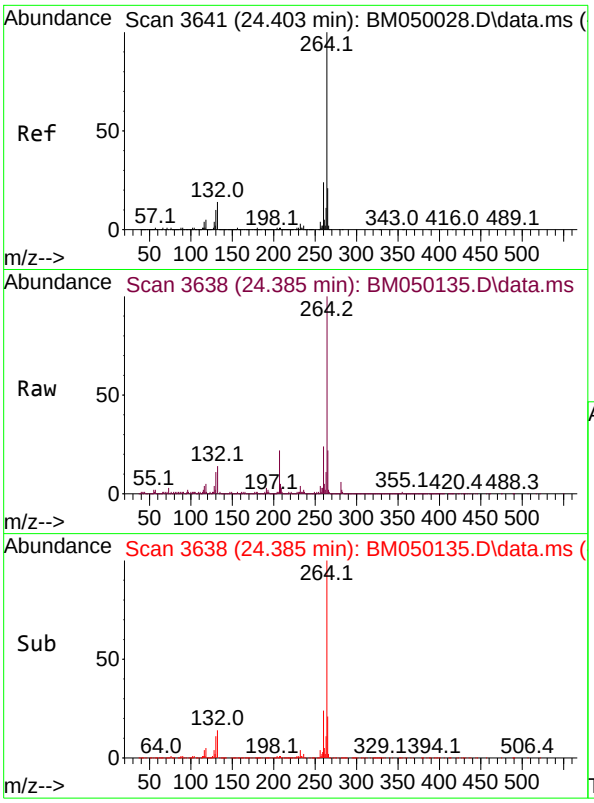




#79
Terphenyl-d14
Concen: 82.854 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

Tgt Ion:244 Resp: 6648397

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.6 | 8.4 |
| 122 | 6.9 | 5.6 | 8.4 |



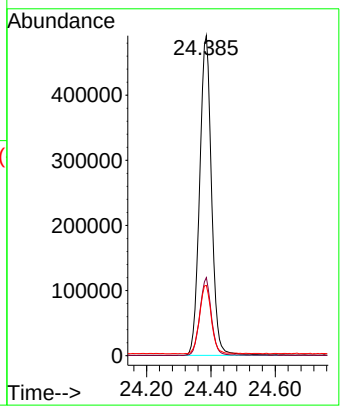



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.385 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM050135.D
Acq: 07 May 2025 15:05

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Tgt Ion:264 Resp: 1257762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.4 | 18.8 | 28.2 |
| 265 | 22.0 | 17.0 | 25.4 |



Sample Results: **BM050135.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

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_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050135.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.940 | 156 | 162 | 169 | rVB | 126985 | 185131 | 1.13% | 0.197% |
| 2 | 4.399 | 231 | 240 | 249 | rVB2 | 116058 | 203207 | 1.24% | 0.216% |
| 3 | 4.863 | 310 | 319 | 328 | rBV2 | 279159 | 512582 | 3.13% | 0.546% |
| 4 | 4.946 | 328 | 333 | 339 | rVV | 123020 | 177135 | 1.08% | 0.189% |
| 5 | 5.340 | 394 | 400 | 412 | rBV | 2249464 | 3618871 | 22.12% | 3.852% |
| 6 | 6.022 | 507 | 516 | 528 | rBV4 | 83342 | 238845 | 1.46% | 0.254% |
| 7 | 6.251 | 543 | 555 | 560 | rBV3 | 118742 | 238193 | 1.46% | 0.254% |
| 8 | 6.940 | 666 | 672 | 690 | rVB | 1227926 | 2382329 | 14.56% | 2.536% |
| 9 | 7.739 | 799 | 808 | 815 | rBV | 785516 | 1349752 | 8.25% | 1.437% |
| 10 | 8.045 | 848 | 860 | 865 | rBV2 | 75028 | 184565 | 1.13% | 0.196% |
| 11 | 8.234 | 886 | 892 | 897 | rBV | 99943 | 171922 | 1.05% | 0.183% |
| 12 | 8.428 | 912 | 925 | 930 | rBV4 | 86671 | 202395 | 1.24% | 0.215% |
| 13 | 8.845 | 983 | 996 | 1000 | rBV | 172913 | 335518 | 2.05% | 0.357% |
| 14 | 8.904 | 1000 | 1006 | 1021 | rVB | 2367040 | 4545303 | 27.79% | 4.839% |
| 15 | 9.081 | 1027 | 1036 | 1045 | rVB7 | 66196 | 214525 | 1.31% | 0.228% |
| 16 | 9.186 | 1045 | 1054 | 1063 | rBV | 82379 | 183165 | 1.12% | 0.195% |
| 17 | 9.733 | 1139 | 1147 | 1154 | rBV2 | 126513 | 281742 | 1.72% | 0.300% |
| 18 | 9.939 | 1176 | 1182 | 1190 | rBV3 | 420537 | 771473 | 4.72% | 0.821% |
| 19 | 10.404 | 1251 | 1261 | 1267 | rBV7 | 56475 | 187029 | 1.14% | 0.199% |
| 20 | 10.533 | 1272 | 1283 | 1289 | rVV2 | 1018905 | 2118262 | 12.95% | 2.255% |
| 21 | 10.586 | 1289 | 1292 | 1298 | rVV3 | 202209 | 335936 | 2.05% | 0.358% |
| 22 | 10.651 | 1298 | 1303 | 1308 | rVV | 268472 | 415252 | 2.54% | 0.442% |
| 23 | 10.904 | 1341 | 1346 | 1352 | rBV | 112280 | 181582 | 1.11% | 0.193% |
| 24 | 11.163 | 1385 | 1390 | 1393 | rBV | 101425 | 180061 | 1.10% | 0.192% |
| 25 | 11.516 | 1432 | 1450 | 1455 | rBV | 2149246 | 5744369 | 35.12% | 6.115% |
| 26 | 11.563 | 1455 | 1458 | 1463 | rVV4 | 151255 | 299078 | 1.83% | 0.318% |
| 27 | 11.645 | 1467 | 1472 | 1478 | rVB | 216964 | 385537 | 2.36% | 0.410% |
| 28 | 11.769 | 1488 | 1493 | 1500 | rVB6 | 95218 | 205058 | 1.25% | 0.218% |
| 29 | 11.863 | 1500 | 1509 | 1515 | rVB3 | 179416 | 429065 | 2.62% | 0.457% |
| 30 | 11.933 | 1515 | 1521 | 1528 | rBV3 | 272040 | 569652 | 3.48% | 0.606% |
| 31 | 12.039 | 1532 | 1539 | 1542 | rVV2 | 111163 | 241622 | 1.48% | 0.257% |
| 32 | 12.098 | 1545 | 1549 | 1554 | rVB2 | 217383 | 357668 | 2.19% | 0.381% |
| 33 | 12.169 | 1556 | 1561 | 1565 | rBV3 | 114498 | 207173 | 1.27% | 0.221% |
| 34 | 12.216 | 1565 | 1569 | 1576 | rVB | 163044 | 295325 | 1.81% | 0.314% |
| 35 | 12.398 | 1591 | 1600 | 1608 | rBV4 | 197117 | 711479 | 4.35% | 0.757% |
| 36 | 12.510 | 1614 | 1619 | 1629 | rVB3 | 240460 | 500797 | 3.06% | 0.533% |

Sample Results: **BM050135.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

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_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 12.733 | 1651 | 1657 | 1662 | rVB | 175606 | 319508 | 1.95% | 0.340% |
| 38 | 12.933 | 1685 | 1691 | 1697 | rBV3 | 390116 | 762769 | 4.66% | 0.812% |
| 39 | 13.010 | 1697 | 1704 | 1710 | rVV | 7459677 | 10572857 | 64.63% | 11.255% |
| 40 | 13.321 | 1752 | 1757 | 1761 | rBV | 143596 | 239302 | 1.46% | 0.255% |
| 41 | 13.374 | 1763 | 1766 | 1771 | rVB5 | 108431 | 174325 | 1.07% | 0.186% |
| 42 | 13.569 | 1789 | 1799 | 1805 | rBV8 | 273687 | 784728 | 4.80% | 0.835% |
| 43 | 13.716 | 1820 | 1824 | 1829 | rVB3 | 179089 | 299307 | 1.83% | 0.319% |
| 44 | 13.874 | 1847 | 1851 | 1856 | rVB3 | 453806 | 602290 | 3.68% | 0.641% |
| 45 | 14.033 | 1875 | 1878 | 1884 | rVB8 | 96224 | 173722 | 1.06% | 0.185% |
| 46 | 14.121 | 1890 | 1893 | 1901 | rVB8 | 117521 | 237707 | 1.45% | 0.253% |
| 47 | 14.221 | 1906 | 1910 | 1916 | rVB3 | 162839 | 296631 | 1.81% | 0.316% |
| 48 | 14.392 | 1931 | 1939 | 1946 | rBV | 1809614 | 2817828 | 17.23% | 3.000% |
| 49 | 14.798 | 2003 | 2008 | 2016 | rVB2 | 402794 | 632030 | 3.86% | 0.673% |
| 50 | 14.868 | 2017 | 2020 | 2025 | rBV | 209049 | 263837 | 1.61% | 0.281% |
| 51 | 14.921 | 2025 | 2029 | 2037 | rVB5 | 186841 | 449334 | 2.75% | 0.478% |
| 52 | 15.015 | 2040 | 2045 | 2051 | rBV | 308575 | 623234 | 3.81% | 0.663% |
| 53 | 15.345 | 2098 | 2101 | 2107 | rVB2 | 163528 | 249924 | 1.53% | 0.266% |
| 54 | 15.568 | 2135 | 2139 | 2143 | rVB2 | 342974 | 444177 | 2.72% | 0.473% |
| 55 | 15.651 | 2149 | 2153 | 2160 | rVB2 | 596321 | 876819 | 5.36% | 0.933% |
| 56 | 15.751 | 2166 | 2170 | 2175 | rVB2 | 524103 | 803686 | 4.91% | 0.856% |
| 57 | 15.892 | 2188 | 2194 | 2201 | rVB | 6709733 | 9334284 | 57.06% | 9.937% |
| 58 | 16.127 | 2229 | 2234 | 2247 | rVB2 | 1260394 | 2228623 | 13.62% | 2.372% |
| 59 | 16.257 | 2253 | 2256 | 2260 | rVB | 175410 | 205301 | 1.26% | 0.219% |
| 60 | 16.504 | 2295 | 2298 | 2303 | rVB3 | 244987 | 322082 | 1.97% | 0.343% |
| 61 | 16.651 | 2319 | 2323 | 2326 | rBV | 385565 | 539498 | 3.30% | 0.574% |
| 62 | 16.915 | 2365 | 2368 | 2371 | rBV | 178680 | 265310 | 1.62% | 0.282% |
| 63 | 16.951 | 2371 | 2374 | 2383 | rVB2 | 433796 | 683418 | 4.18% | 0.728% |
| 64 | 17.145 | 2402 | 2407 | 2413 | rBV | 2086129 | 3022775 | 18.48% | 3.218% |
| 65 | 18.045 | 2553 | 2560 | 2566 | rBV3 | 1177478 | 1969099 | 12.04% | 2.096% |
| 66 | 18.098 | 2566 | 2569 | 2582 | rVB | 463230 | 777127 | 4.75% | 0.827% |
| 67 | 19.321 | 2773 | 2777 | 2786 | rBV | 474846 | 730337 | 4.46% | 0.777% |
| 68 | 19.674 | 2834 | 2837 | 2841 | rVB | 313670 | 340063 | 2.08% | 0.362% |
| 69 | 19.768 | 2848 | 2853 | 2866 | rVB | 13451000 | 16358025 | 100.00% | 17.413% |
| 70 | 21.386 | 3123 | 3128 | 3145 | rVB | 2126941 | 3249054 | 19.86% | 3.459% |
| 71 | 24.385 | 3630 | 3638 | 3653 | rVB | 1248353 | 3128363 | 19.12% | 3.330% |

Sum of corrected areas: 93938972

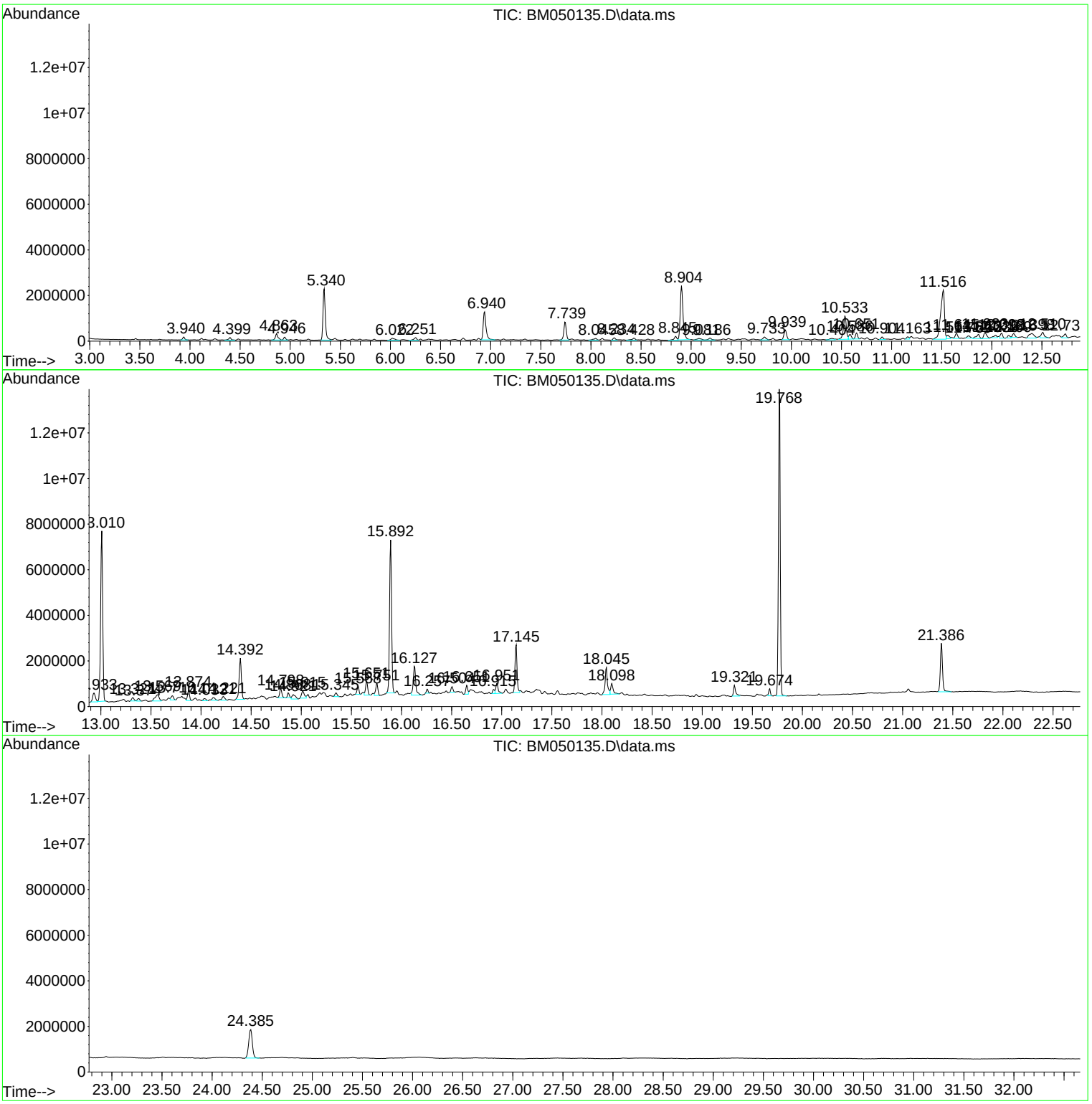
Sample Results: **BM050135.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.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_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

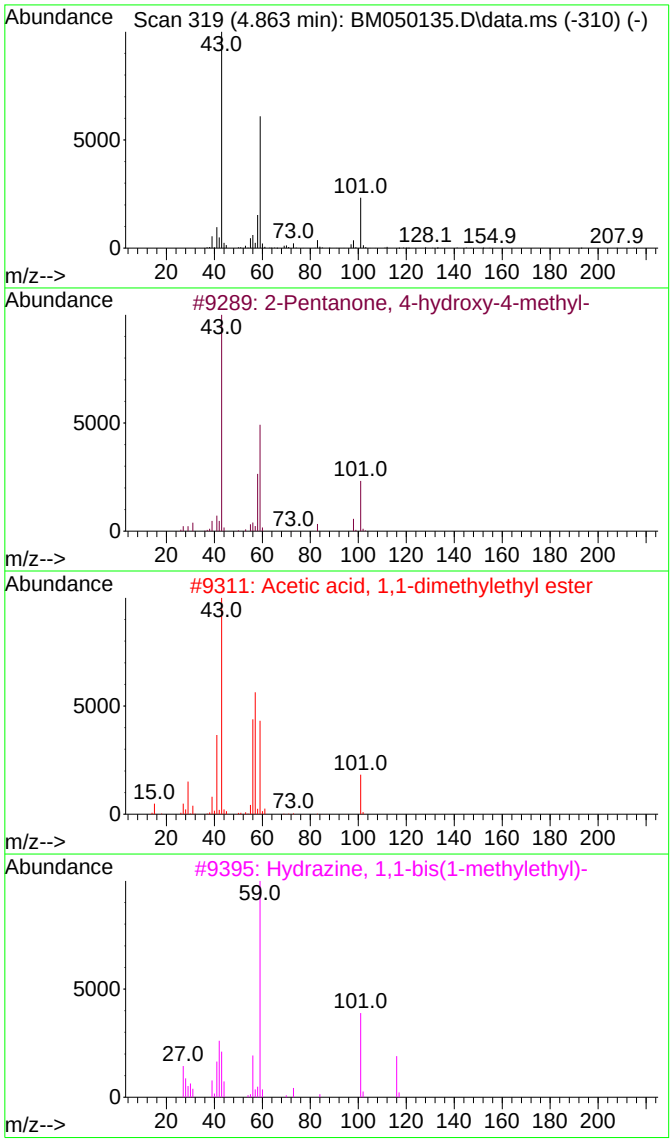
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

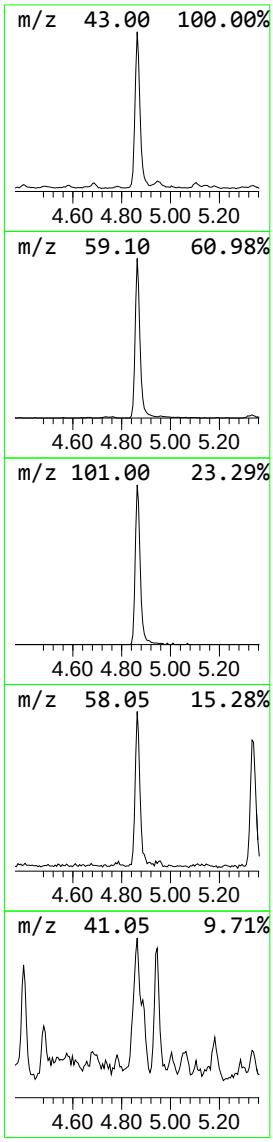
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.863 | 7.60 ng | 512582 | 1,4-Dichlorobenzene-d4 | 7.745 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 45 |
| 3 | Hydrazine, 1,1-bis(1-methylethyl)- | 116 | C6H16N2 | 000921-14-2 | 28 |
| 4 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 25 |
| 5 | 2-Hexanol, 2-methyl- | 116 | C7H16O | 000625-23-0 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

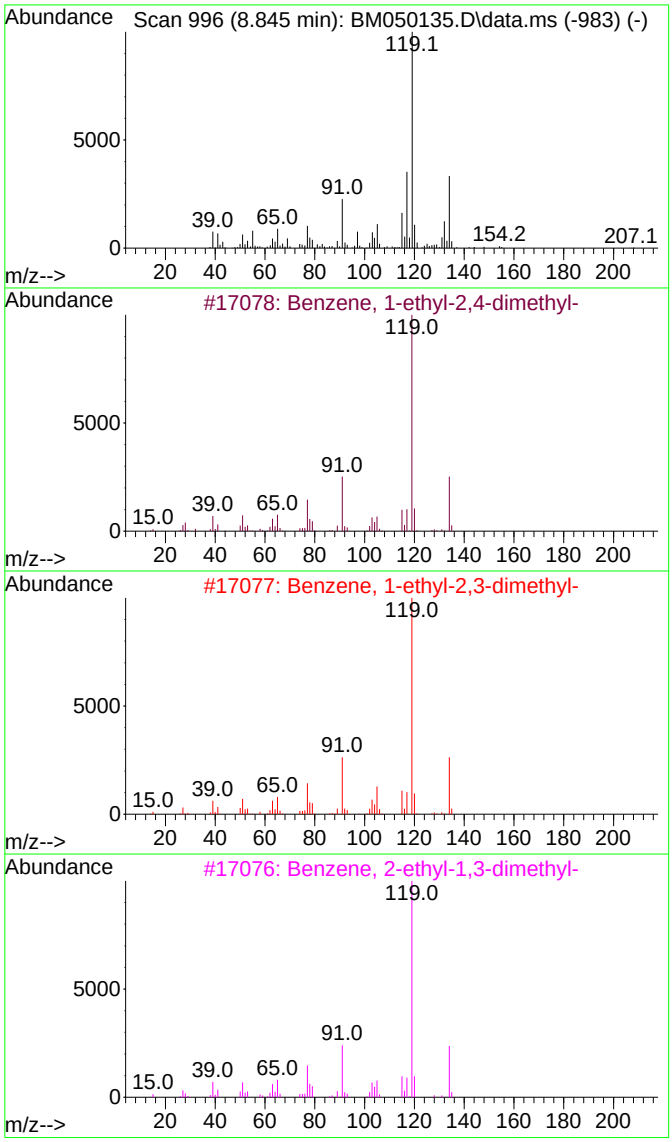
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

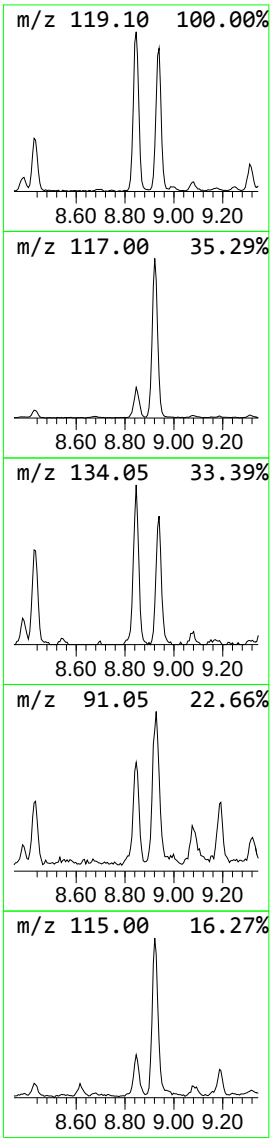
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.845 | 4.97 ng | 335518 | 1,4-Dichlorobenzene-d4 | 7.745 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14 | 000874-41-9 | 90 |
| 2 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 81 |
| 3 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 81 |
| 4 | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14 | 076089-59-3 | 81 |
| 5 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 76 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

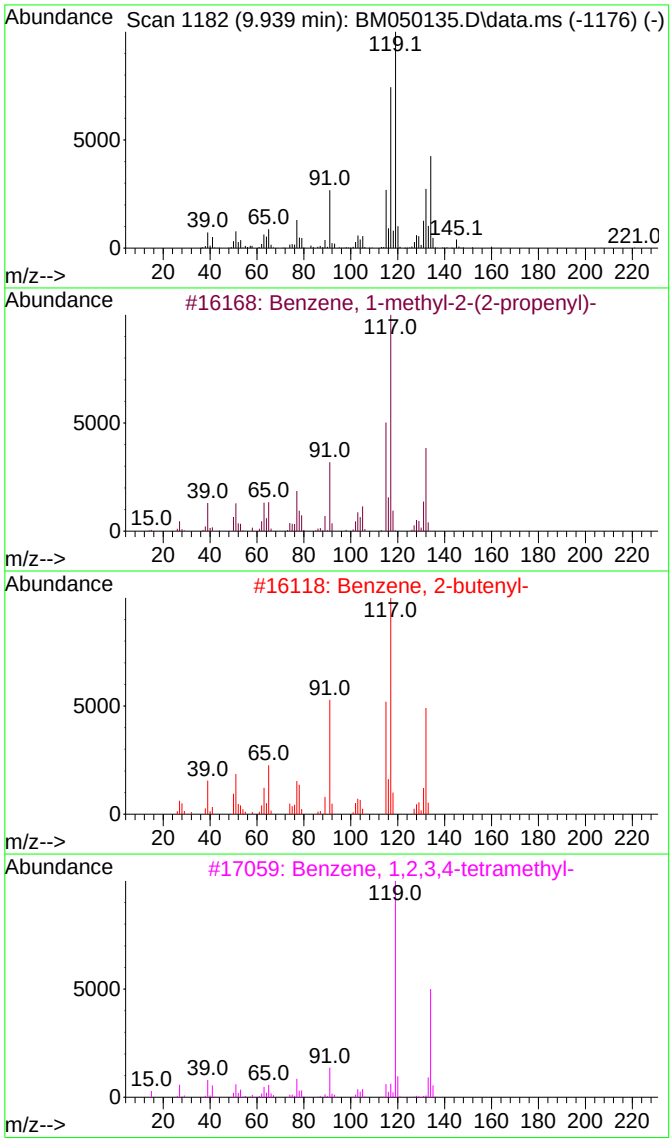
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

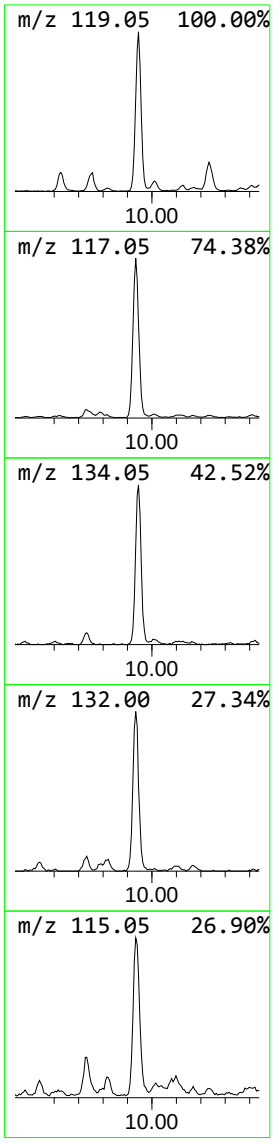
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Benzene, 1-methyl-2-(2-prop... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.939 | 7.28 ng | 771473 | Naphthalene-d8 | 10.539 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 87 |
| 2 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 87 |
| 3 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 50 |
| 4 | p-Cymene | 134 | C10H14 | 000099-87-6 | 50 |
| 5 | Benzene, 2-ethenyl-1,3-dimethyl- | 132 | C10H12 | 002039-90-9 | 50 |



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Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

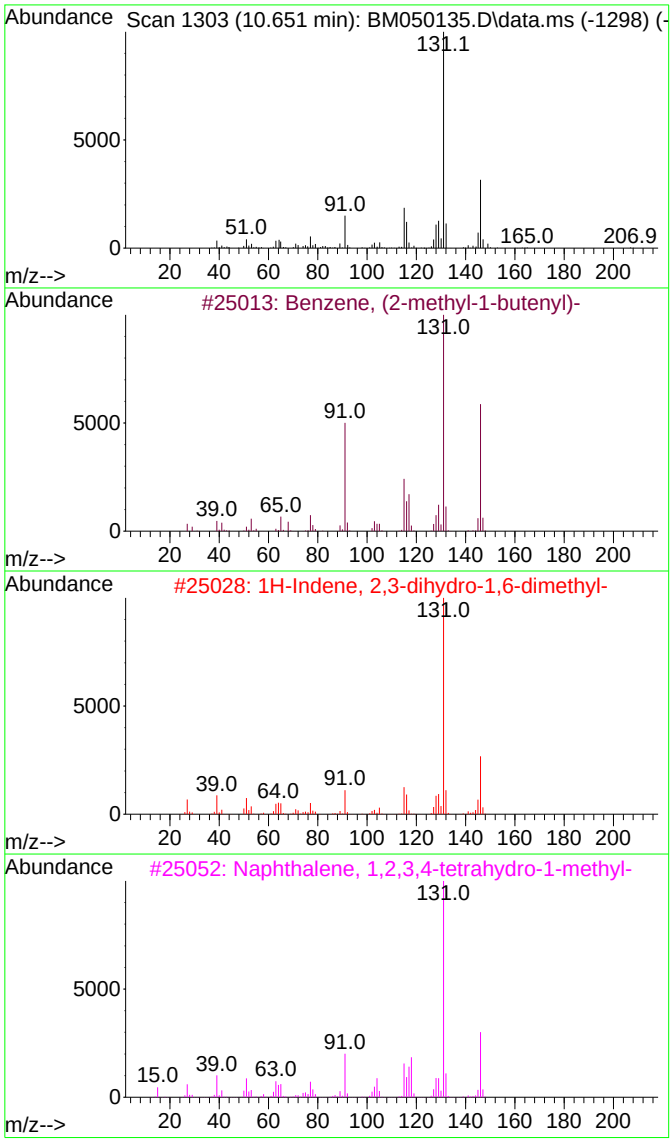
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

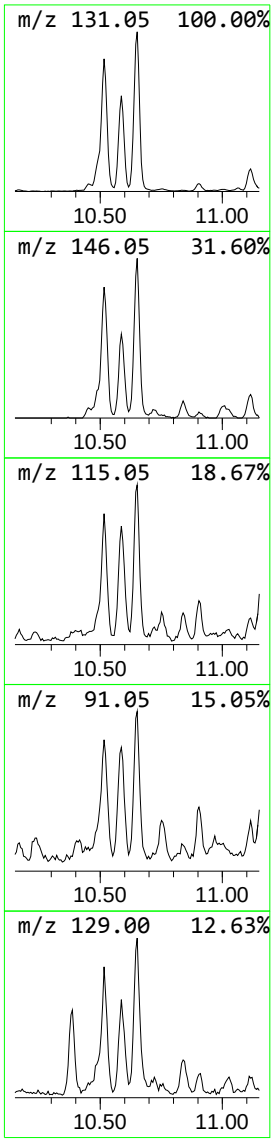
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Benzene, (2-methyl-1-butenyl)- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.651 | 3.92 ng | 415252 | Naphthalene-d8 | 10.539 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 94 |
| 2 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 94 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 91 |
| 4 | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14 | 097664-18-1 | 91 |
| 5 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 91 |



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Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

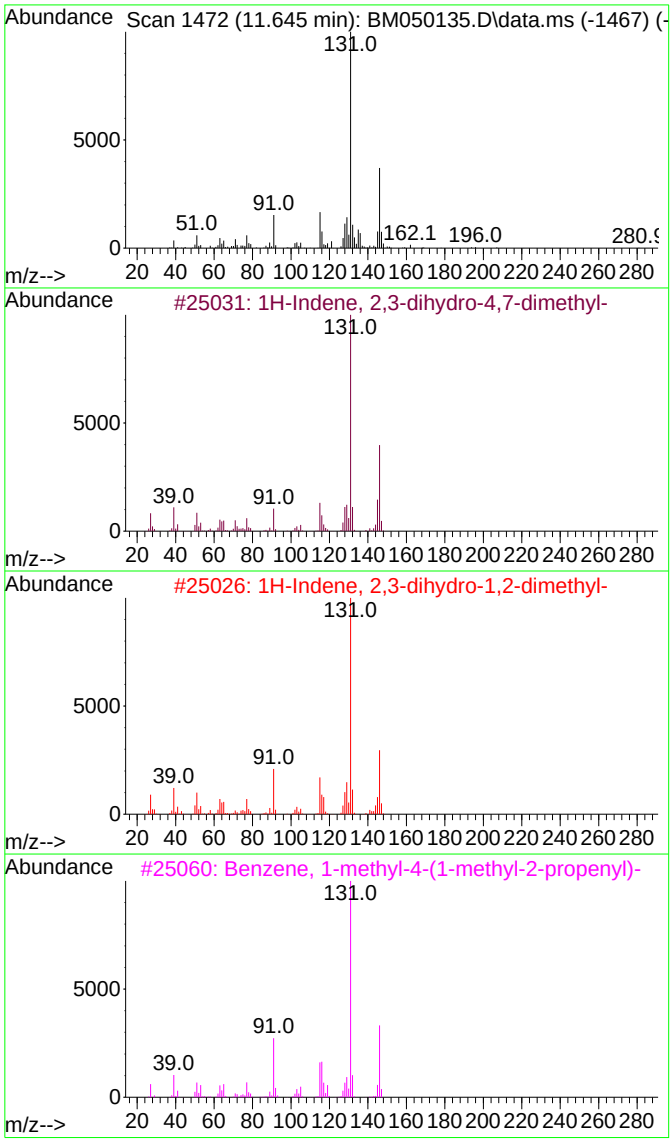
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

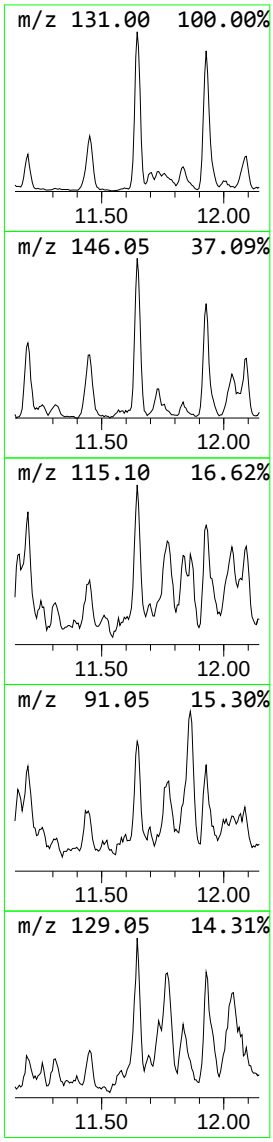
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.645 | 3.64 ng | 385537 | Naphthalene-d8 | 10.539 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 91 |
| 2 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 90 |
| 3 | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14 | 097664-18-1 | 90 |
| 4 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 87 |
| 5 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 87 |



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Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

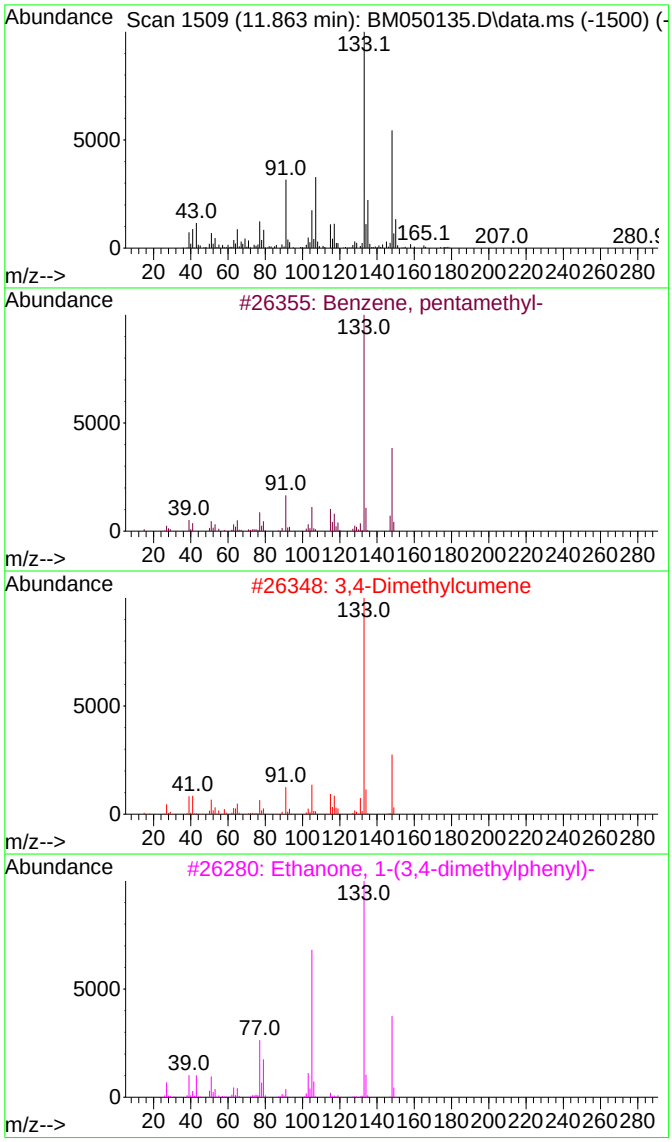
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

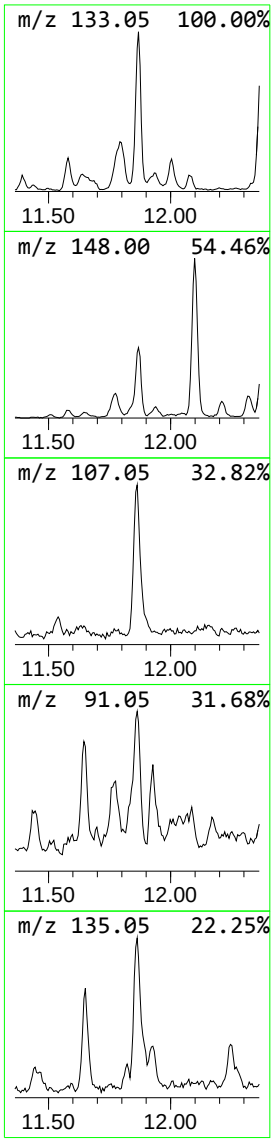
**********

Peak Number 6 Benzene, pentamethyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.863 | 4.05 ng | 429065 | Naphthalene-d8 | 10.539 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, pentamethyl- | 148 | C11H16 | 000700-12-9 | 76 |
| 2 | 3,4-Dimethylcumene | 148 | C11H16 | 1000370-34-1 | 76 |
| 3 | Ethanone, 1-(3,4-dimethylphenyl)- | 148 | C10H12O | 003637-01-2 | 64 |
| 4 | Ethanone, 1-(4-ethylphenyl)- | 148 | C10H12O | 000937-30-4 | 64 |
| 5 | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16 | 004218-48-8 | 62 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

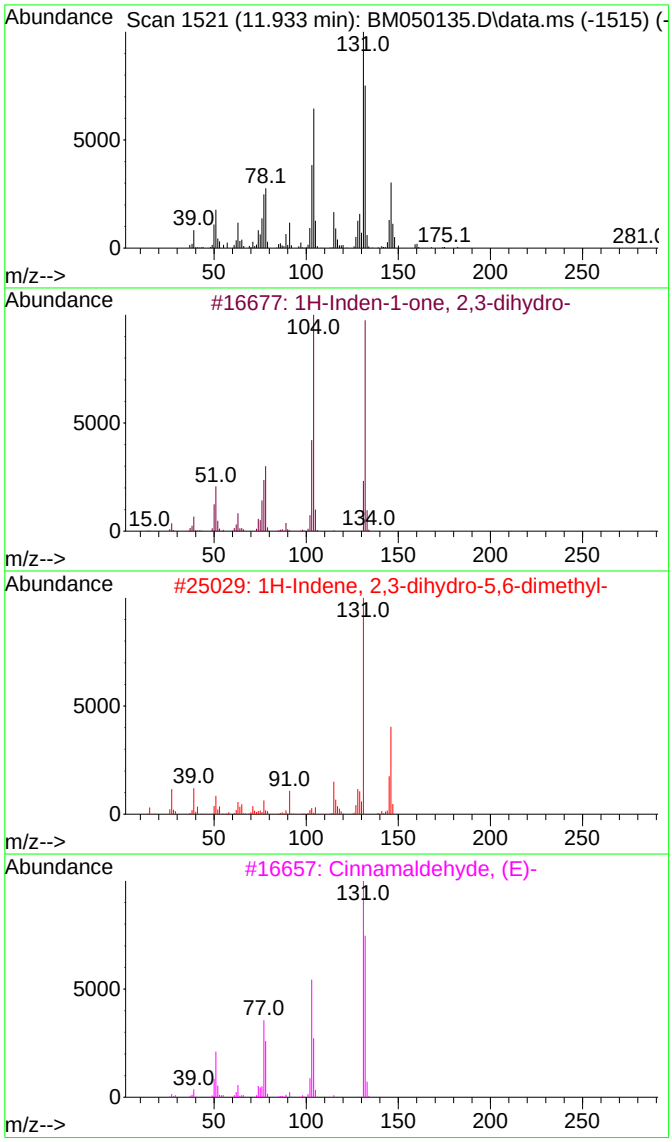
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

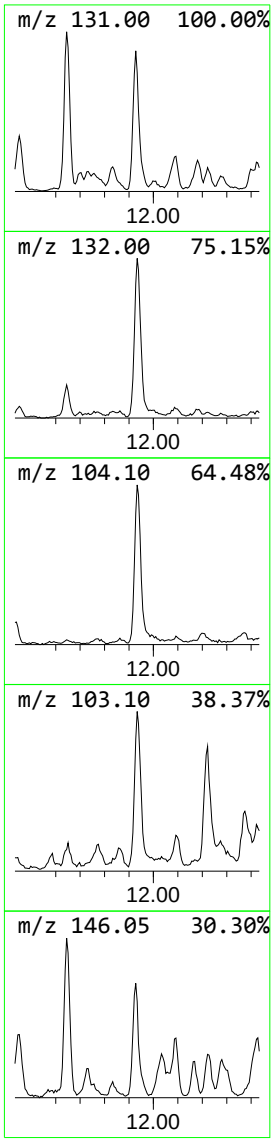
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.933 | 5.38 ng | 569652 | Naphthalene-d8 | 10.539 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Inden-1-one, 2,3-dihydro- | 132 | C9H8O | 000083-33-0 | 90 |
| 2 | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14 | 001075-22-5 | 89 |
| 3 | Cinnamaldehyde, (E)- | 132 | C9H8O | 014371-10-9 | 70 |
| 4 | 3-Phenyl-2-propyn-1-ol | 132 | C9H8O | 001504-58-1 | 70 |
| 5 | 4-Methyl-1H-benzimidazole | 132 | C8H8N2 | 1000486-24-5 | 60 |



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Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

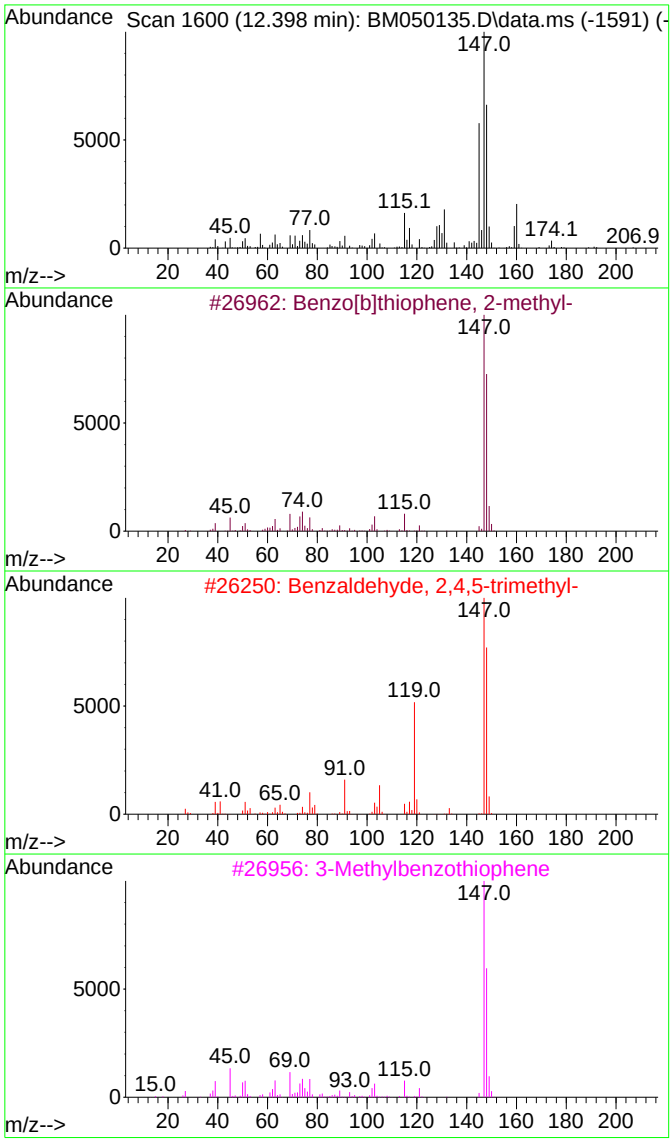
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

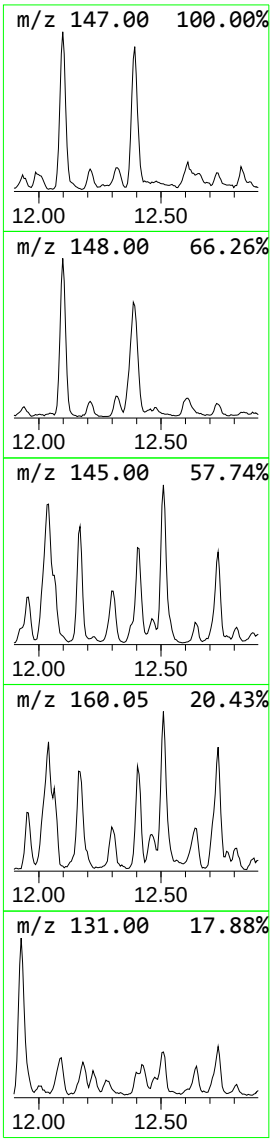
**********

Peak Number 8 unknown12.398 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.398 | 6.72 ng | 711479 | Naphthalene-d8 | 10.539 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]thiophene, 2-methyl- | 148 | C9H8S | 001195-14-8 | 49 |
| 2 | Benzaldehyde, 2,4,5-trimethyl- | 148 | C10H12O | 005779-72-6 | 46 |
| 3 | 3-Methylbenzothiophene | 148 | C9H8S | 001455-18-1 | 46 |
| 4 | 5-Methylthiophene-2,3-dicarbonit... | 148 | C7H4N2S | 1000305-40-8 | 46 |
| 5 | 1H-Indene, 2,3-dihydro-4,5,7-tri... | 160 | C12H16 | 006682-06-0 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

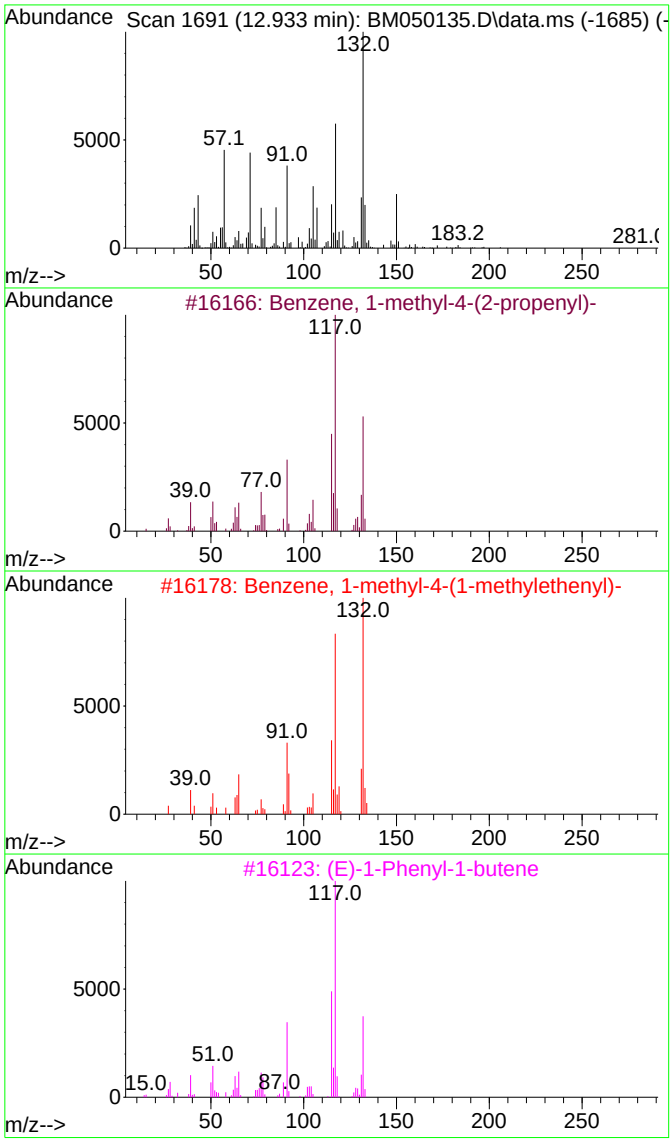
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

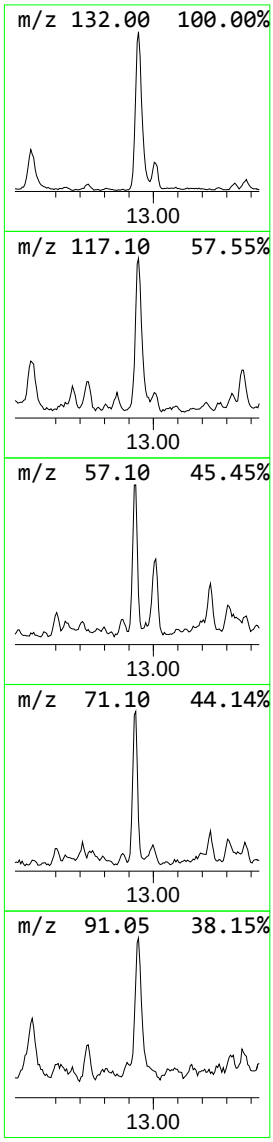
**********

Peak Number 9 unknown12.933 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.933 | 5.41 ng | 762769 | Acenaphthene-d10 | 14.392 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-(2-propenyl)- | 132 | C10H12 | 003333-13-9 | 49 |
| 2 | Benzene, 1-methyl-4-(1-methyleth... | 132 | C10H12 | 001195-32-0 | 49 |
| 3 | (E)-1-Phenyl-1-butene | 132 | C10H12 | 001005-64-7 | 43 |
| 4 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 43 |
| 5 | p-(1-Propenyl)-toluene | 132 | C10H12 | 1000429-54-9 | 41 |



Sample Results: **BM050135.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

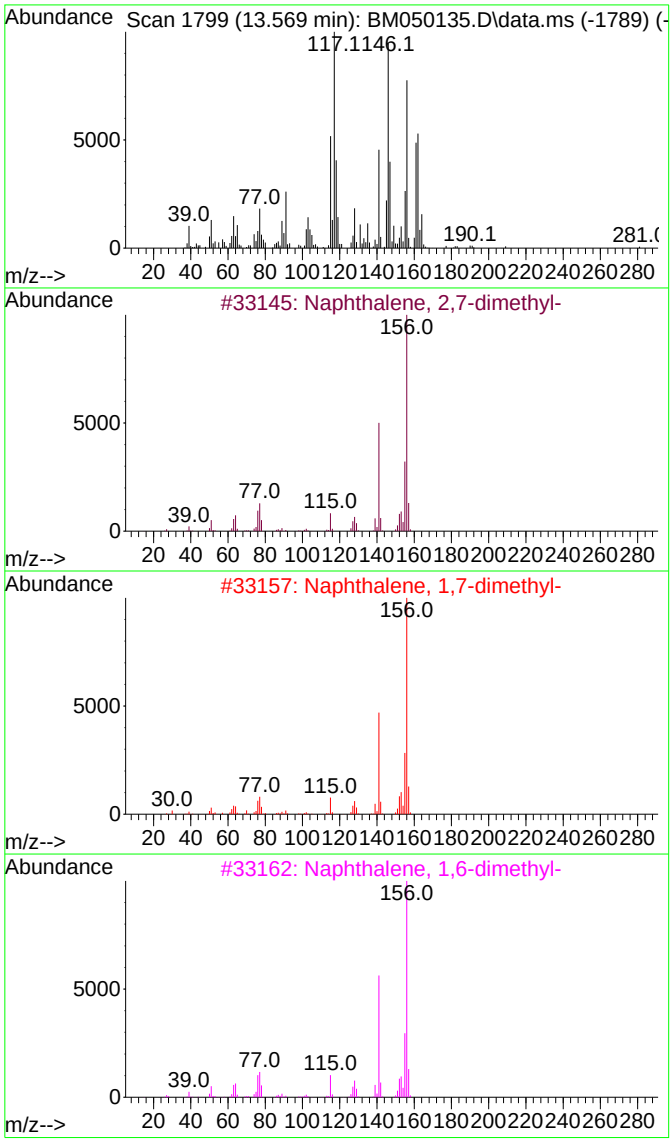
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

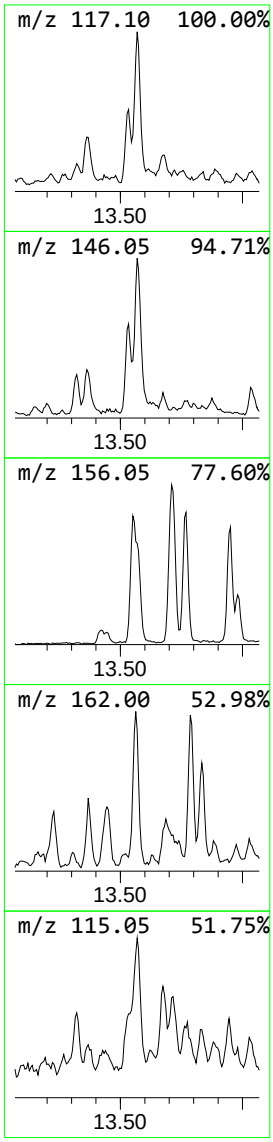
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Naphthalene, 2,7-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.569 | 5.57 ng | 784728 | Acenaphthene-d10 | 14.392 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 50 |
| 2 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 48 |
| 3 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 47 |
| 4 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 47 |
| 5 | 1H-Indene-4-carboxaldehyde, 2,3-... | 146 | C10H10O | 051932-70-8 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

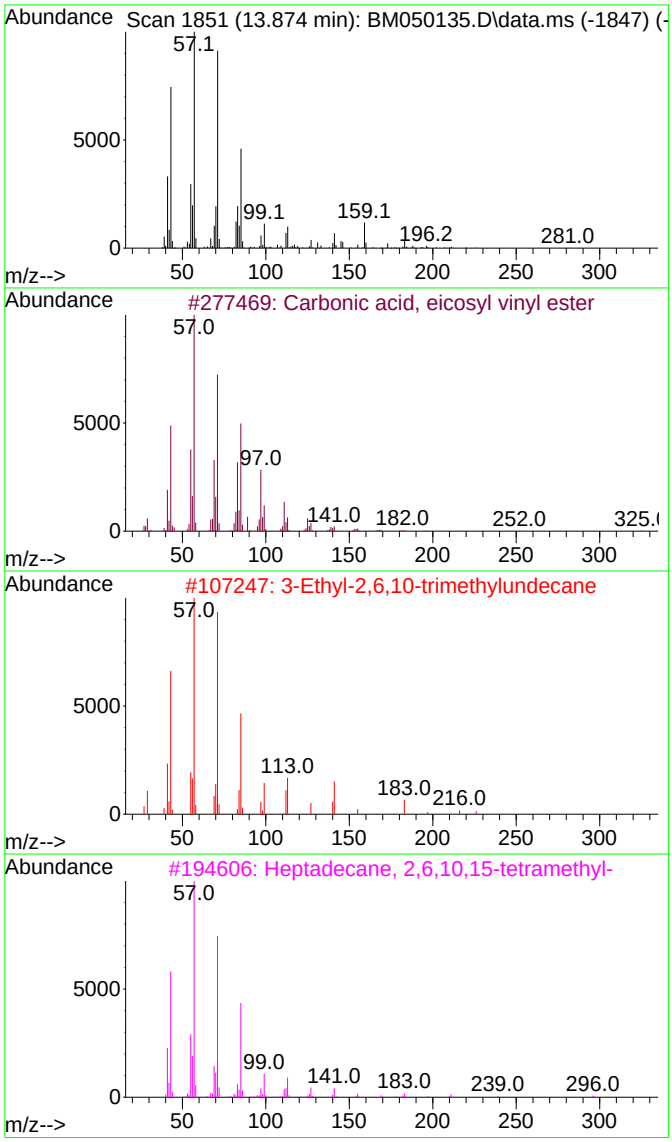
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

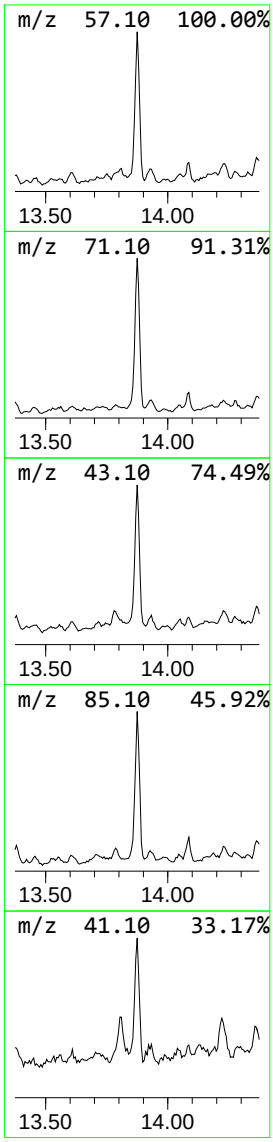
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 Carbonic acid, eicosyl viny... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.874 | 4.27 ng | 602290 | Acenaphthene-d10 | 14.392 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Carbonic acid, eicosyl vinyl ester | 368 | C23H44O3 | 1000382-54-3 | 80 |
| 2 | 3-Ethyl-2,6,10-trimethylundecane | 226 | C16H34 | 1000432-25-9 | 72 |
| 3 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 72 |
| 4 | Decane, 5-propyl- | 184 | C13H28 | 017312-62-8 | 70 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

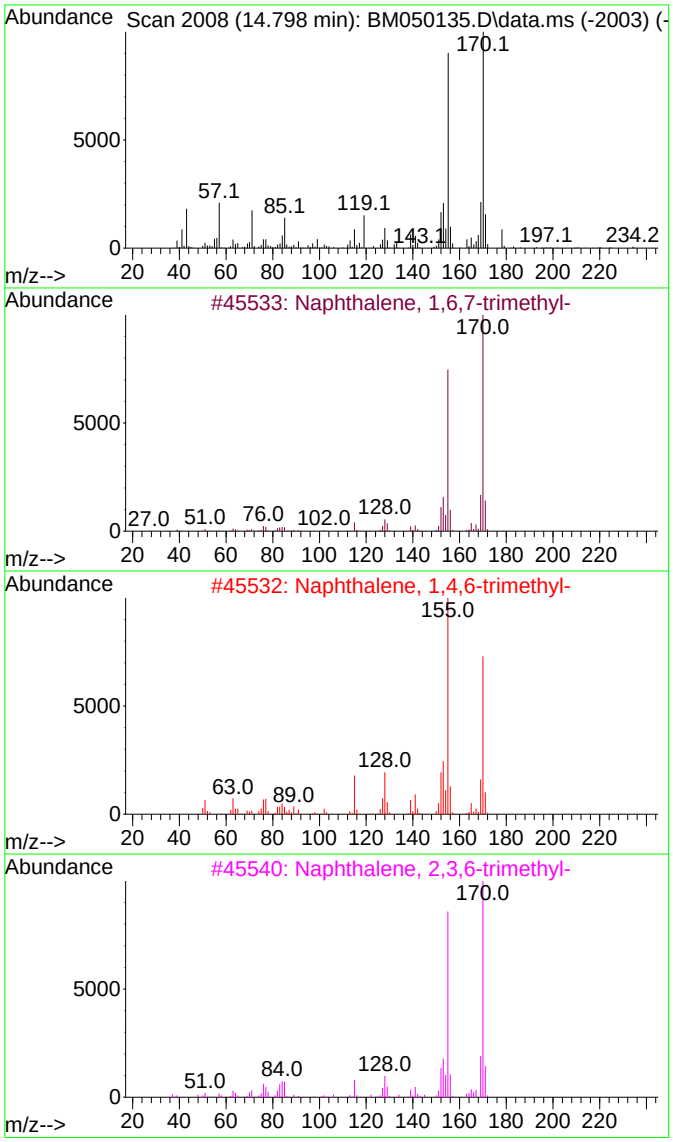
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

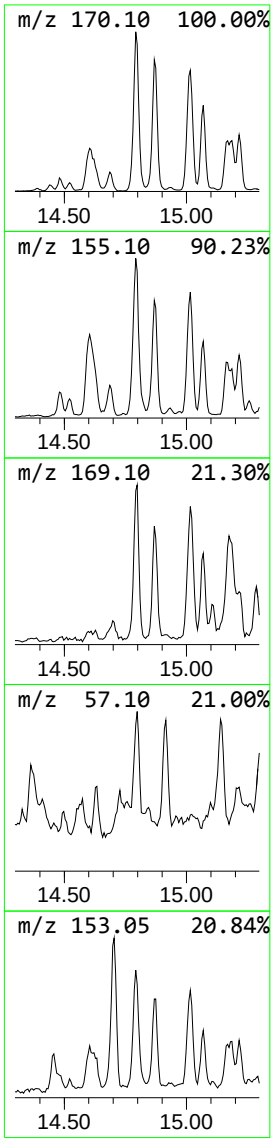
**********

Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.798 | 4.49 ng | 632030 | Acenaphthene-d10 | 14.392 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 96 |
| 2 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 95 |
| 3 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 94 |
| 4 | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14 | 002131-41-1 | 91 |
| 5 | 1-(2,2-Dimethylcyclopropyl)-2-ph... | 170 | C13H14 | 1000294-91-1 | 90 |



Sample Results: **BM050135.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

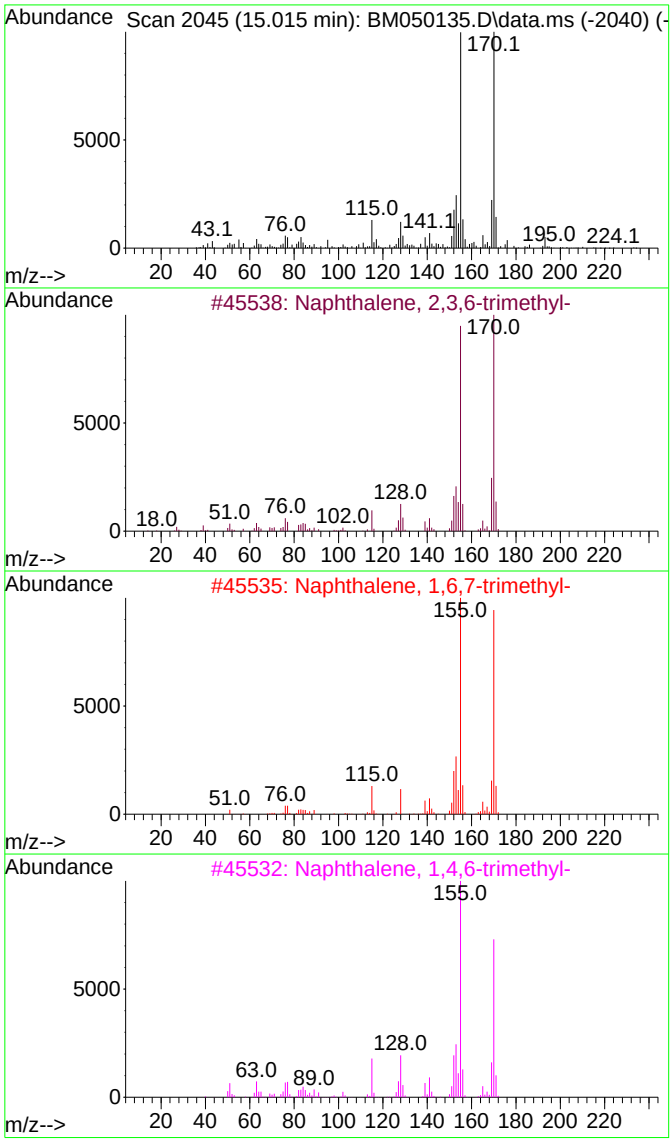
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

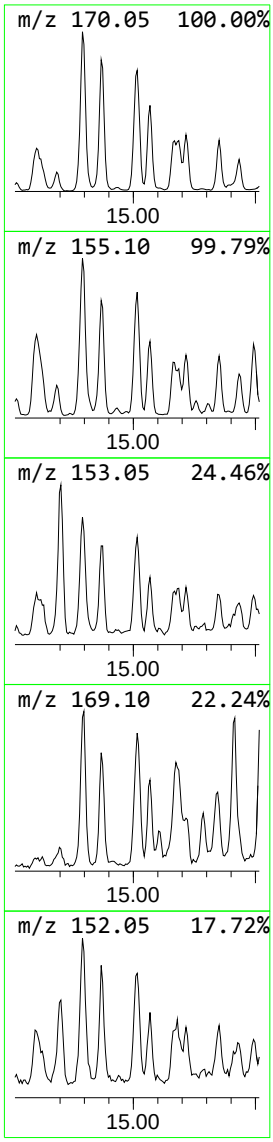
**********

Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.015 | 4.42 ng | 623234 | Acenaphthene-d10 | 14.392 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 98 |
| 2 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 97 |
| 3 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 96 |
| 4 | 4,6,8-Trimethylazulene | 170 | C13H14 | 000941-81-1 | 93 |
| 5 | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14 | 002131-41-1 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

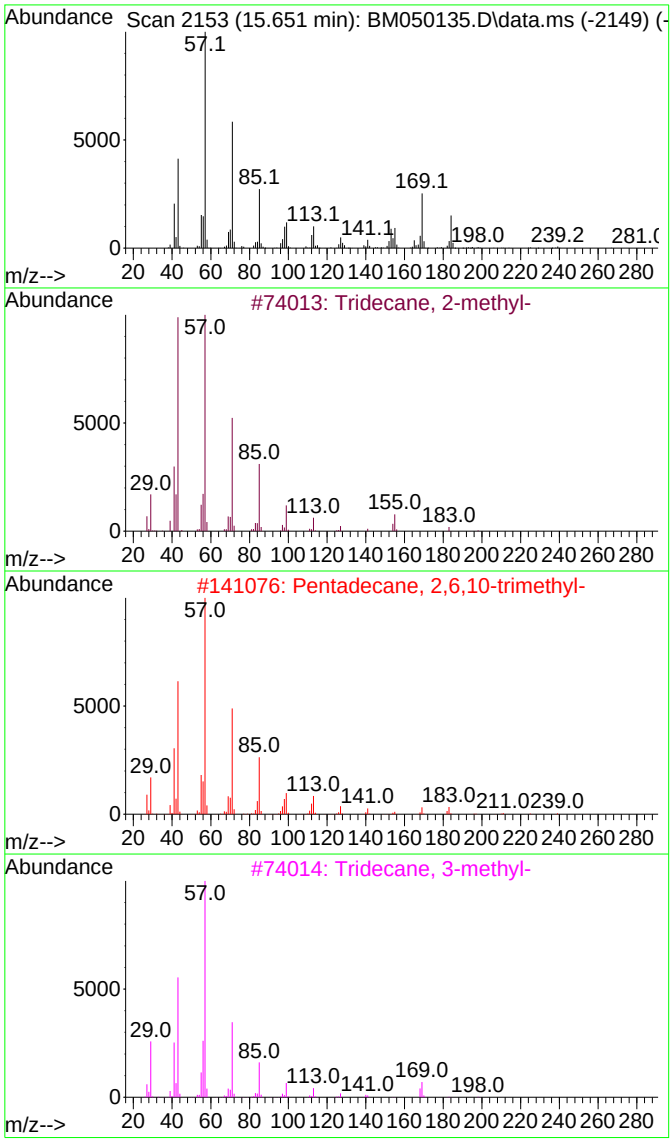
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

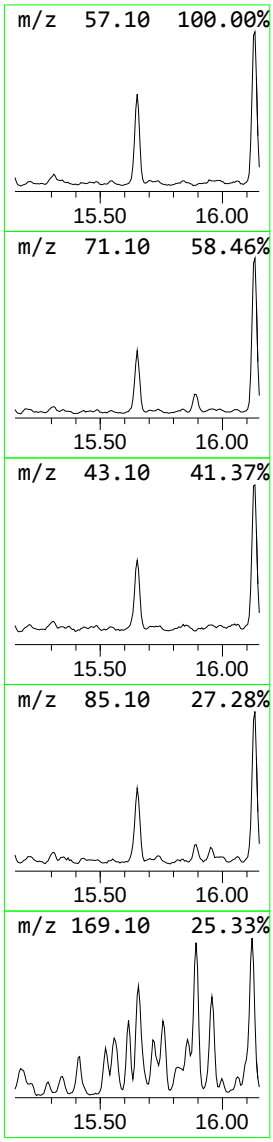
**********

Peak Number 14 Tridecane, 2-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.651 | 6.22 ng | 876819 | Acenaphthene-d10 | 14.392 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 2-methyl- | 198 | C14H30 | 001560-96-9 | 70 |
| 2 | Pentadecane, 2,6,10-trimethyl- | 254 | C18H38 | 003892-00-0 | 64 |
| 3 | Tridecane, 3-methyl- | 198 | C14H30 | 006418-41-3 | 60 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 58 |
| 5 | Octane, 3,5-dimethyl- | 142 | C10H22 | 015869-93-9 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

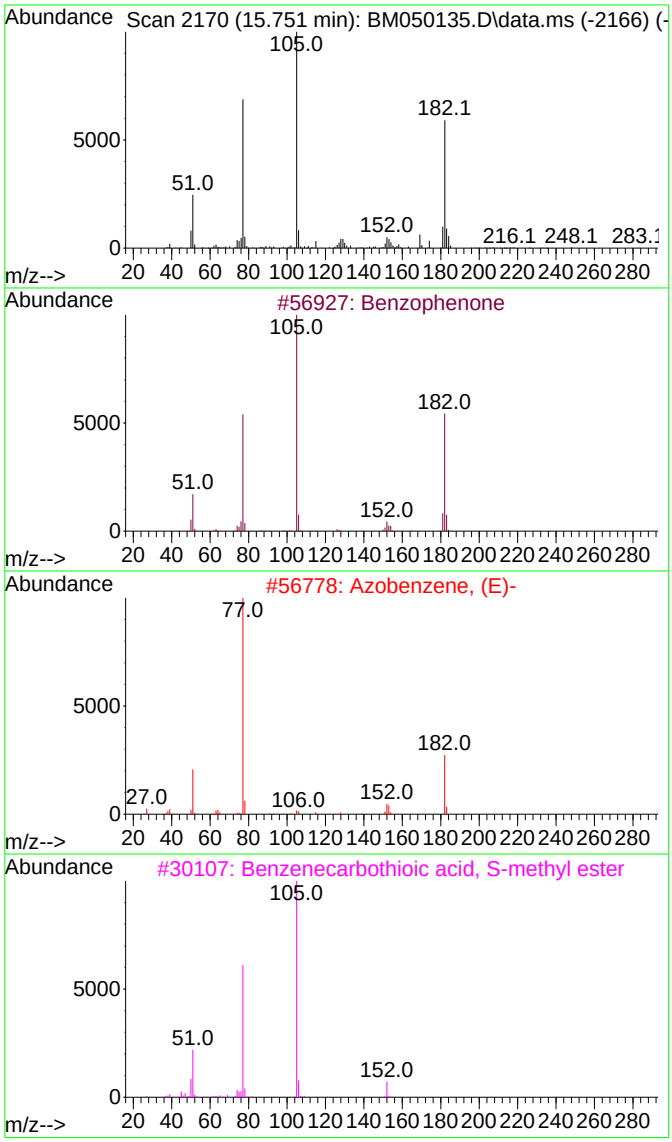
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

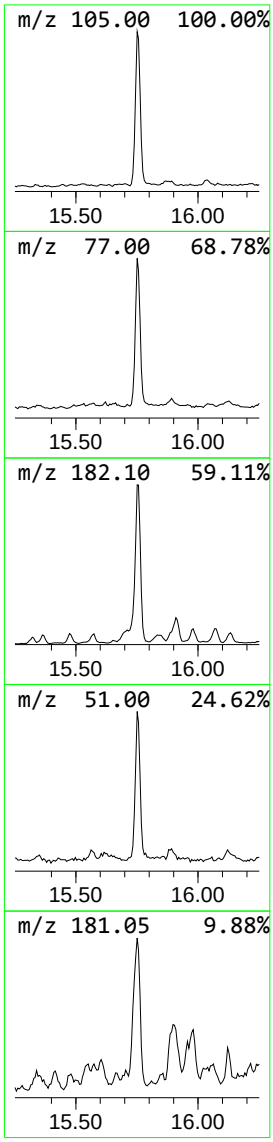
**********

Peak Number 15 Benzophenone Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.751 | 5.70 ng | 803686 | Acenaphthene-d10 | 14.392 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | Azobenzene, (E)- | 182 | C12H10N2 | 017082-12-1 | 58 |
| 3 | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS | 005925-68-8 | 43 |
| 4 | N-Benzoylimidazole | 172 | C10H8N2O | 010364-94-0 | 38 |
| 5 | Benzoic acid, 2-(benzoylthio)thi... | 341 | C17H11NO3S2 | 1000258-72-7 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

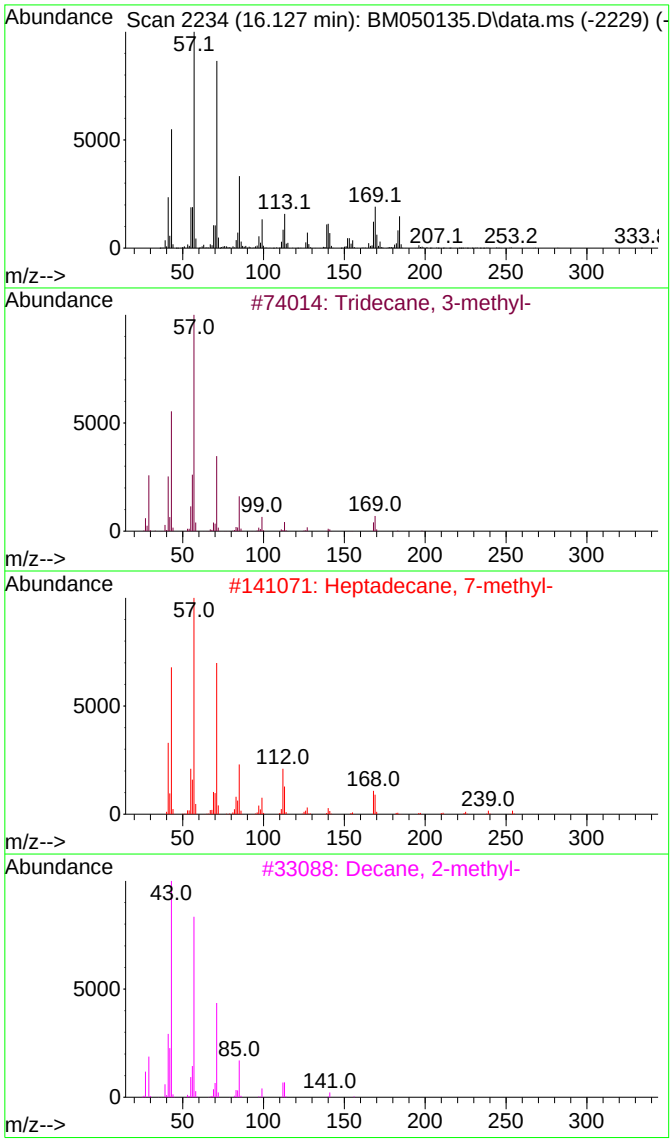
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

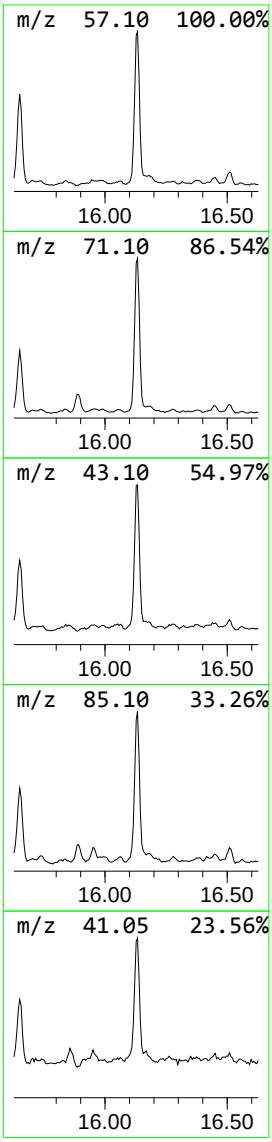
**********

Peak Number 16 Tridecane, 3-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.127 | 14.75 ng | 2228620 | Phenanthrene-d10 | 17.145 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 3-methyl- | 198 | C14H30 | 006418-41-3 | 81 |
| 2 | Heptadecane, 7-methyl- | 254 | C18H38 | 020959-33-5 | 64 |
| 3 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 64 |
| 4 | Tridecane, 4-methyl- | 198 | C14H30 | 026730-12-1 | 60 |
| 5 | Hexadecane, 2,6,10-trimethyl- | 268 | C19H40 | 055000-52-7 | 52 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

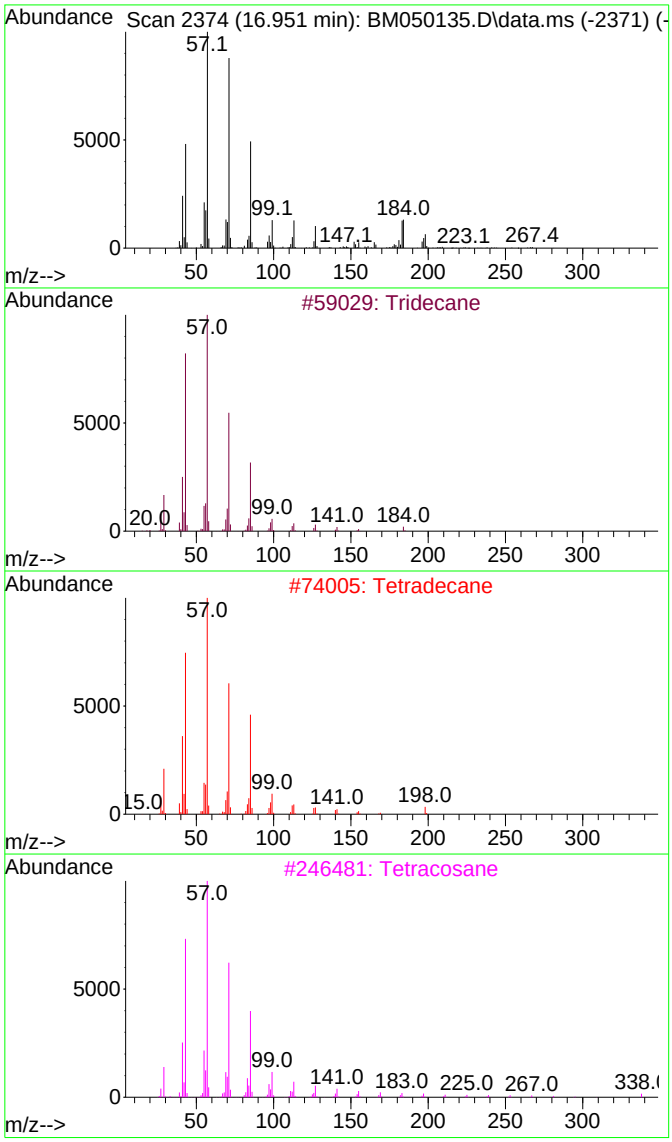
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

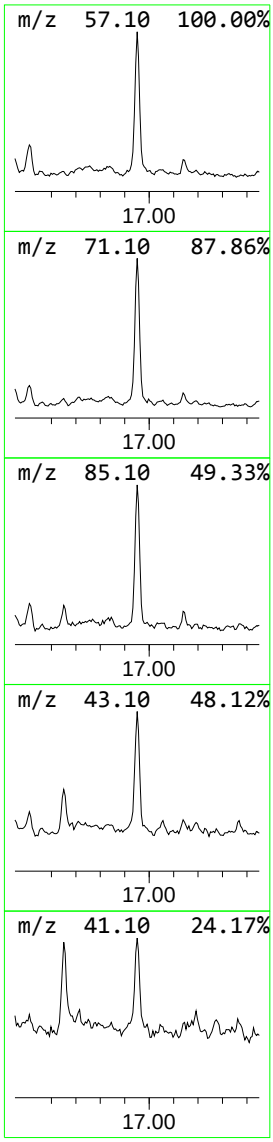
**********

Peak Number 17 Tridecane Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.951 | 4.52 ng | 683418 | Phenanthrene-d10 | 17.145 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 86 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 81 |
| 3 | Tetracosane | 338 | C24H50 | 000646-31-1 | 80 |
| 4 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 72 |
| 5 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

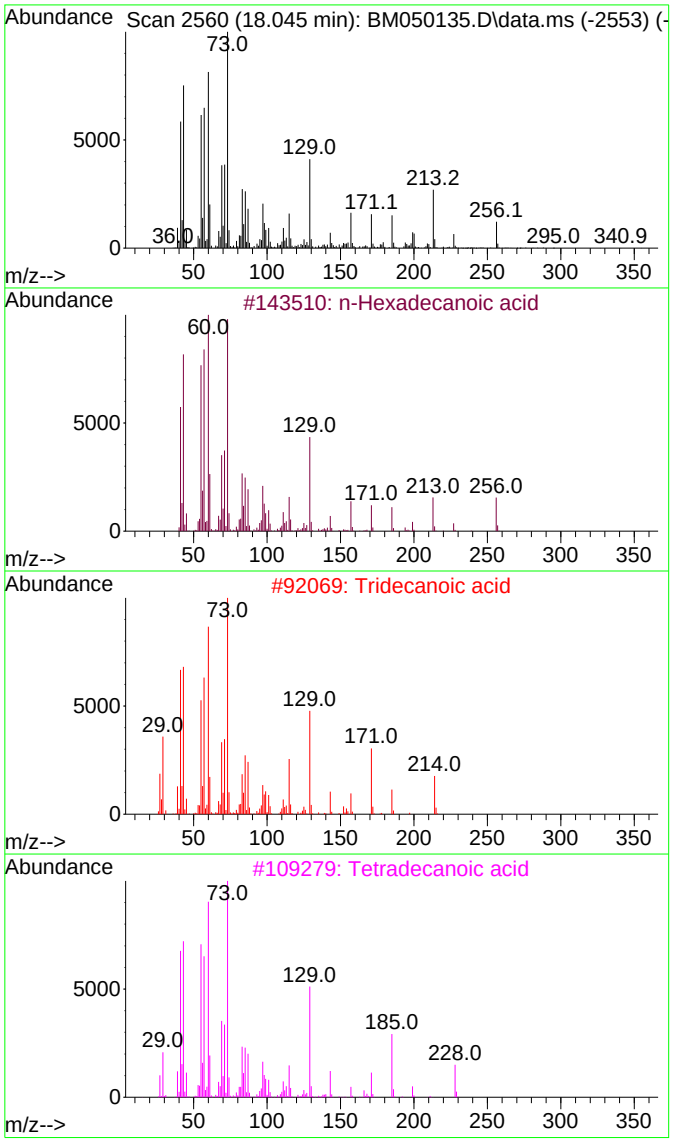
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

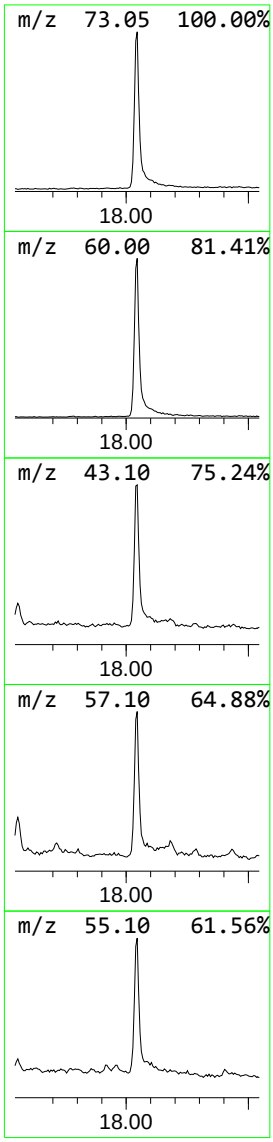
**********

Peak Number 18 n-Hexadecanoic acid Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.045 | 13.03 ng | 1969100 | Phenanthrene-d10 | 17.145 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 93 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 91 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 5 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 83 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

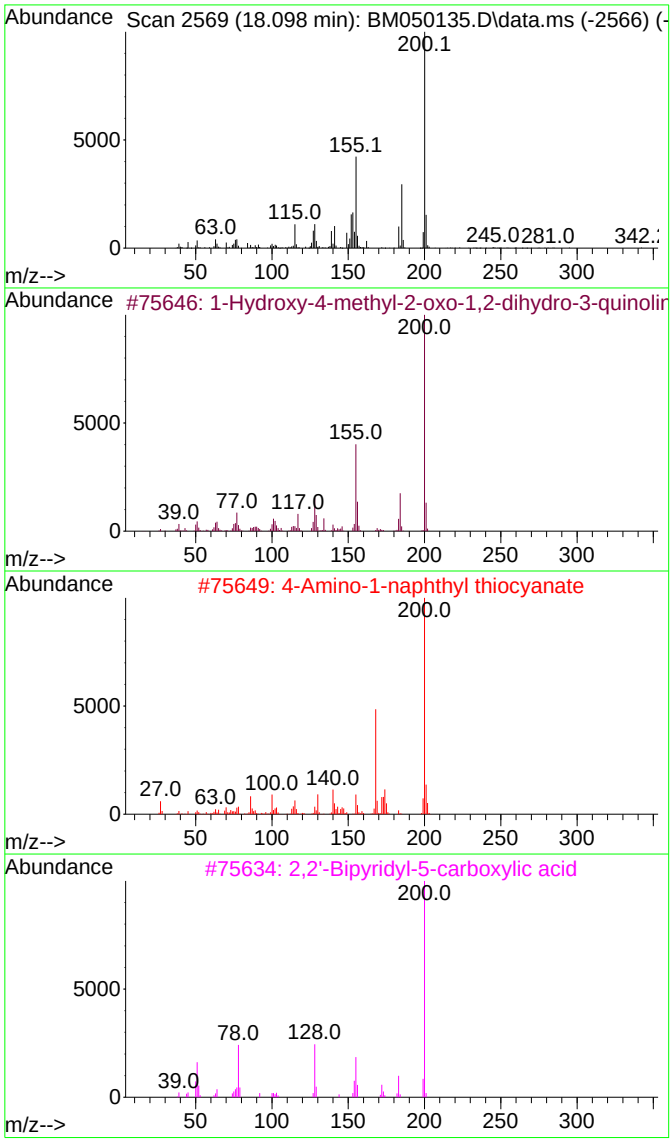
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

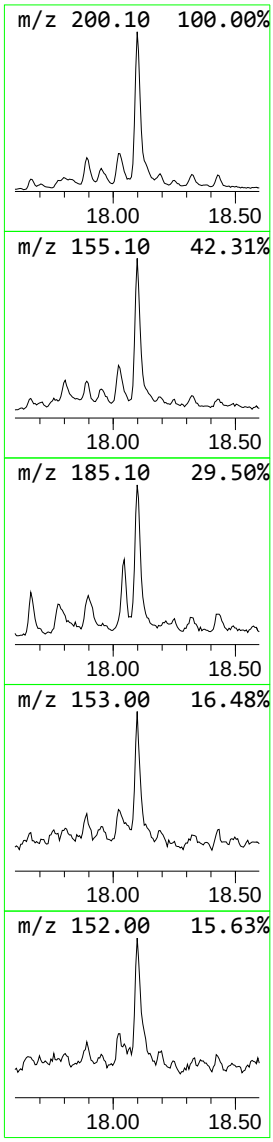
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 19 1-Hydroxy-4-methyl-2-oxo-1,... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.098 | 5.14 ng | 777127 | Phenanthrene-d10 | 17.145 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hydroxy-4-methyl-2-oxo-1,2-dih... | 200 | C11H8N2O2 | 021771-74-4 | 58 |
| 2 | 4-Amino-1-naphthyl thiocyanate | 200 | C11H8N2S | 032359-11-8 | 43 |
| 3 | 2,2'-Bipyridyl-5-carboxylic acid | 200 | C11H8N2O2 | 001970-80-5 | 43 |
| 4 | Benzene, 1-methoxy-4-phenoxy- | 200 | C13H12O2 | 001655-69-2 | 43 |
| 5 | Bisphenol F, 2-methylpropionate | 270 | C17H18O3 | 1000462-19-4 | 40 |



Sample Results: **BM050135.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

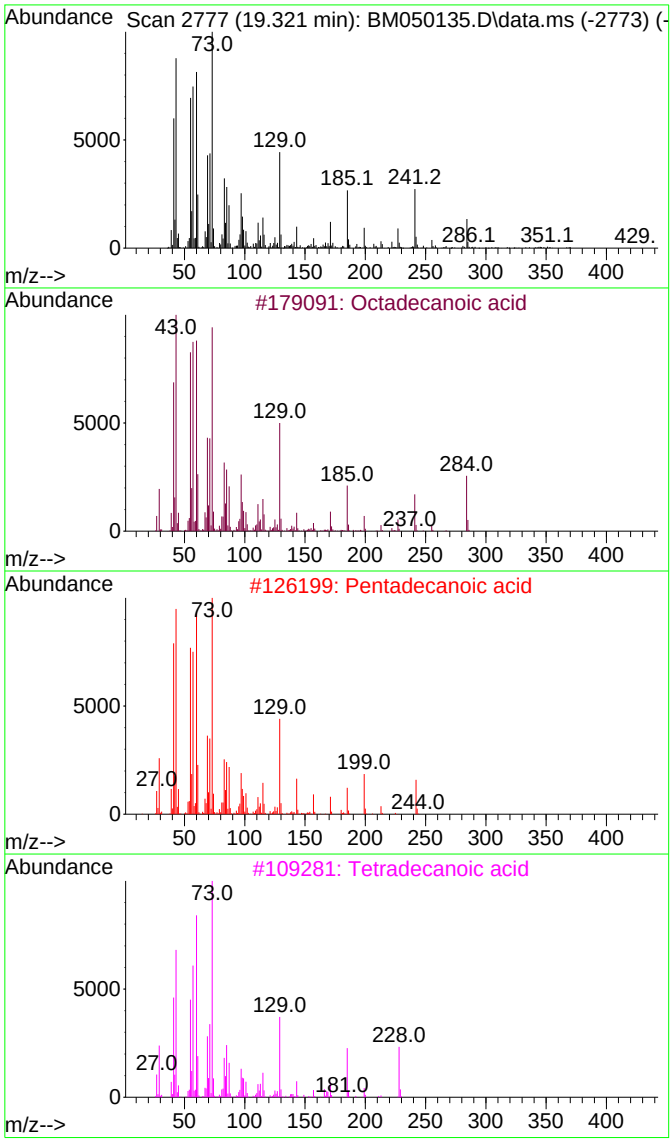
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

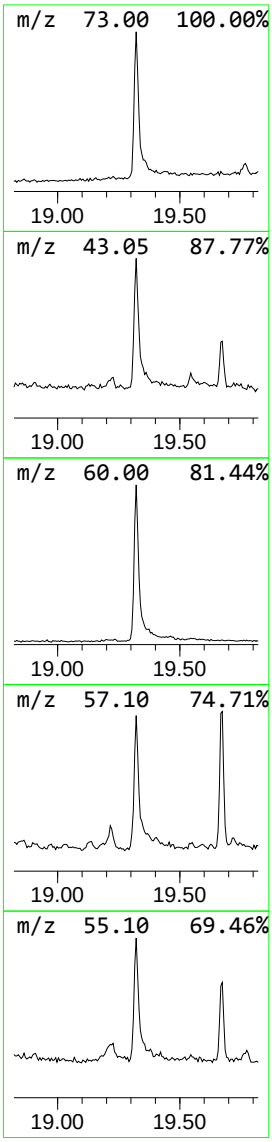
**********

Peak Number 20 Octadecanoic acid Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.321 | 4.50 ng | 730337 | Chrysene-d12 | 21.386 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 83 |
| 4 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 81 |
| 5 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 74 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050135.D
Acq On : 07 May 2025 15:05
Operator : RC/JU
Sample : Q1945-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3W

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.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 |
| 2-Pentanone, 4-... | 4.863 | 7.6 | ng | 512582 | 1 | 7.745 | 1349750 | 20.0 |
| Benzene, 1-ethy... | 8.845 | 5.0 | ng | 335518 | 1 | 7.745 | 1349750 | 20.0 |
| Benzene, 1-meth... | 9.939 | 7.3 | ng | 771473 | 2 | 10.539 | 2118260 | 20.0 |
| Benzene, (2-met... | 10.651 | 3.9 | ng | 415252 | 2 | 10.539 | 2118260 | 20.0 |
| 1H-Indene, 2,3-... | 11.645 | 3.6 | ng | 385537 | 2 | 10.539 | 2118260 | 20.0 |
| Benzene, pentam... | 11.863 | 4.0 | ng | 429065 | 2 | 10.539 | 2118260 | 20.0 |
| 1H-Inden-1-one,... | 11.933 | 5.4 | ng | 569652 | 2 | 10.539 | 2118260 | 20.0 |
| unknown12.398 | 12.398 | 6.7 | ng | 711479 | 2 | 10.539 | 2118260 | 20.0 |
| unknown12.933 | 12.933 | 5.4 | ng | 762769 | 3 | 14.392 | 2817830 | 20.0 |
| Naphthalene, 2,... | 13.569 | 5.6 | ng | 784728 | 3 | 14.392 | 2817830 | 20.0 |
| Carbonic acid, ... | 13.874 | 4.3 | ng | 602290 | 3 | 14.392 | 2817830 | 20.0 |
| Naphthalene, 1,... | 14.798 | 4.5 | ng | 632030 | 3 | 14.392 | 2817830 | 20.0 |
| Naphthalene, 2,... | 15.015 | 4.4 | ng | 623234 | 3 | 14.392 | 2817830 | 20.0 |
| Tridecane, 2-me... | 15.651 | 6.2 | ng | 876819 | 3 | 14.392 | 2817830 | 20.0 |
| Benzophenone | 15.751 | 5.7 | ng | 803686 | 3 | 14.392 | 2817830 | 20.0 |
| Tridecane, 3-me... | 16.127 | 14.8 | ng | 2228620 | 4 | 17.145 | 3022780 | 20.0 |
| Tridecane | 16.951 | 4.5 | ng | 683418 | 4 | 17.145 | 3022780 | 20.0 |
| n-Hexadecanoic ... | 18.045 | 13.0 | ng | 1969100 | 4 | 17.145 | 3022780 | 20.0 |
| 1-Hydroxy-4-met... | 18.098 | 5.1 | ng | 777127 | 4 | 17.145 | 3022780 | 20.0 |
| Octadecanoic acid | 19.321 | 4.5 | ng | 730337 | 5 | 21.386 | 3249050 | 20.0 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050138.D
Acq On : 07 May 2025 17:03
Operator : RC/JU
Sample : Q1945-02DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3WDL

Quant Time: May 07 18:00:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

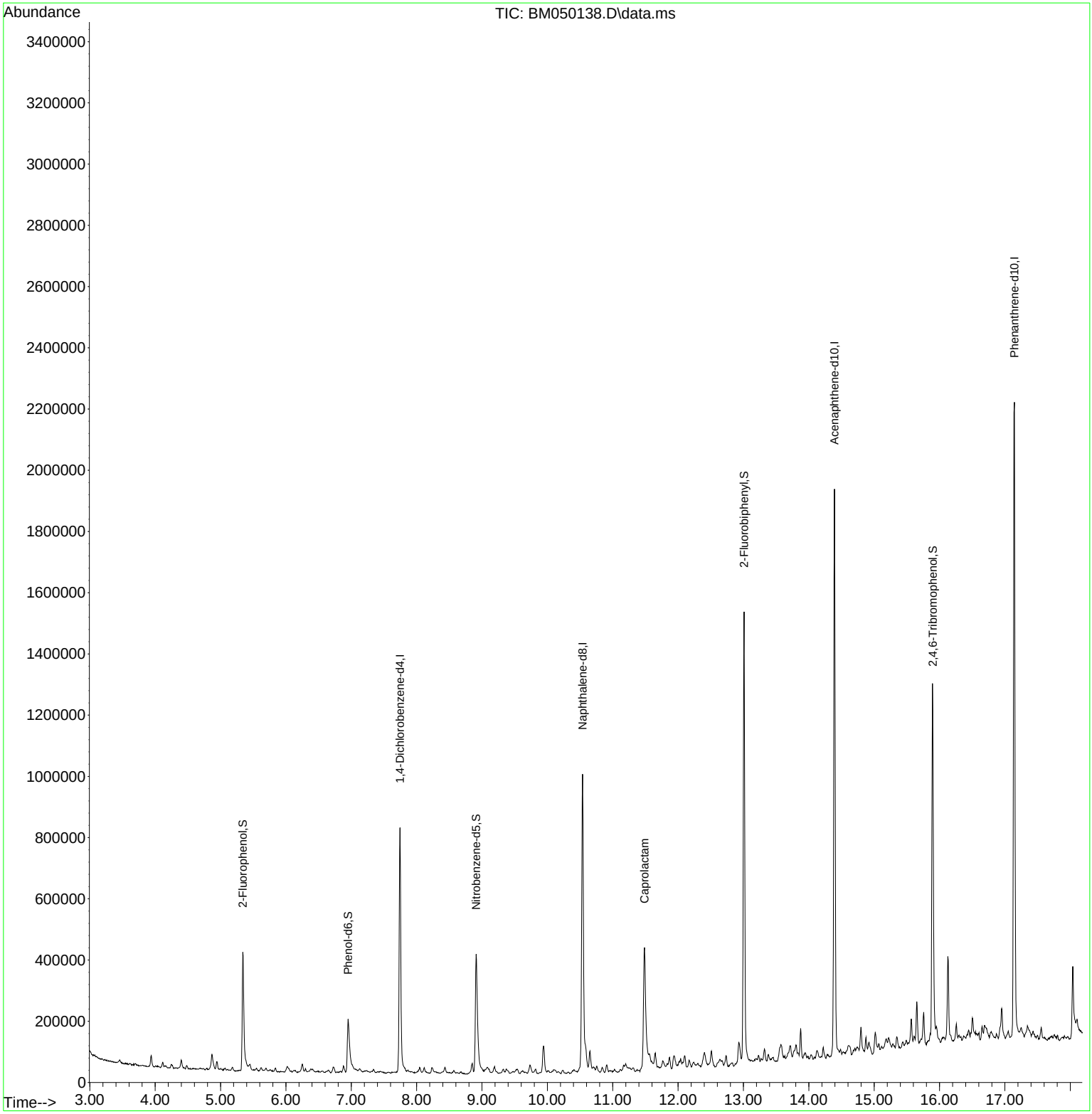
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.745 | 152 | 252681 | 20.000 | ng | -0.02 |
| 21) Naphthalene-d8 | 10.539 | 136 | 948637 | 20.000 | ng | -0.02 |
| 39) Acenaphthene-d10 | 14.392 | 164 | 680621 | 20.000 | ng | -0.02 |
| 64) Phenanthrene-d10 | 17.145 | 188 | 1371677 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 21.386 | 240 | 1252991 | 20.000 | ng | -0.01 |
| 86) Perylene-d12 | 24.385 | 264 | 1255099 | 20.000 | ng | -0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.340 | 112 | 231975 | 16.076 | ng | -0.02 |
| 7) Phenol-d6 | 6.951 | 99 | 184138 | 10.153 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.910 | 82 | 305105 | 15.849 | ng | -0.02 |
| 42) 2,4,6-Tribromophenol | 15.898 | 330 | 269859 | 26.815 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.010 | 172 | 867165 | 15.072 | ng | -0.02 |
| 79) Terphenyl-d14 | 19.768 | 244 | 1273016 | 15.034 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 35) Caprolactam | 11.486 | 113 | 130629 | 28.357 | ng | 93 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050138.D
Acq On : 07 May 2025 17:03
Operator : RC/JU
Sample : Q1945-02DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3WDL

Quant Time: May 07 18:00:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration

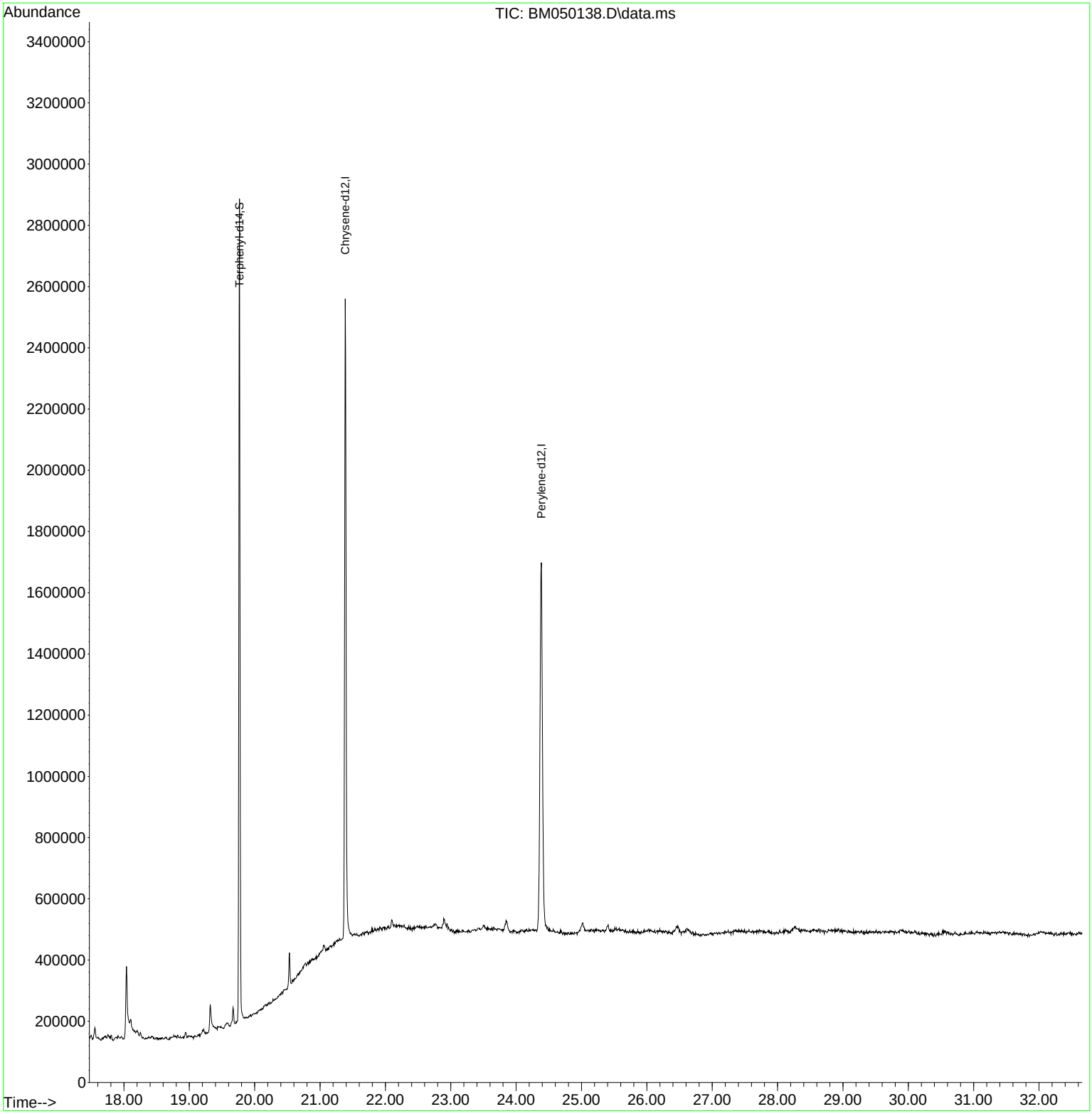


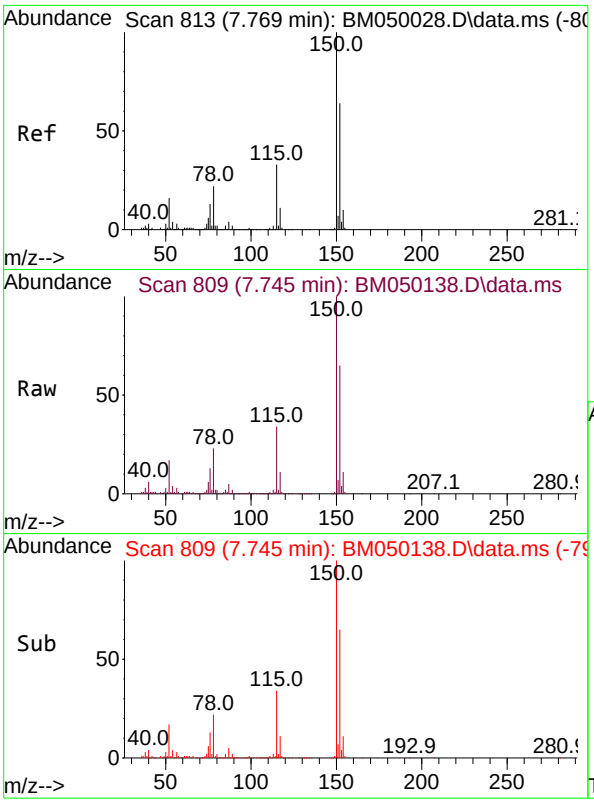
Sample Results: **BM050138.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050725\
Data File : BM050138.D
Acq On : 07 May 2025 17:03
Operator : RC/JU
Sample : Q1945-02DL 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GB3WDL

Quant Time: May 07 18:00:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 28 18:09:16 2025
Response via : Initial Calibration



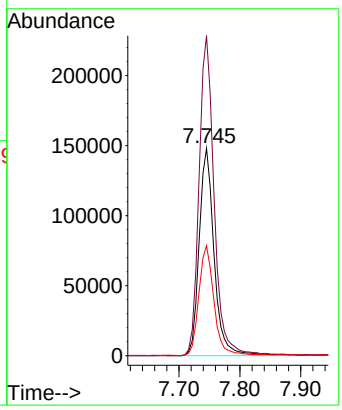


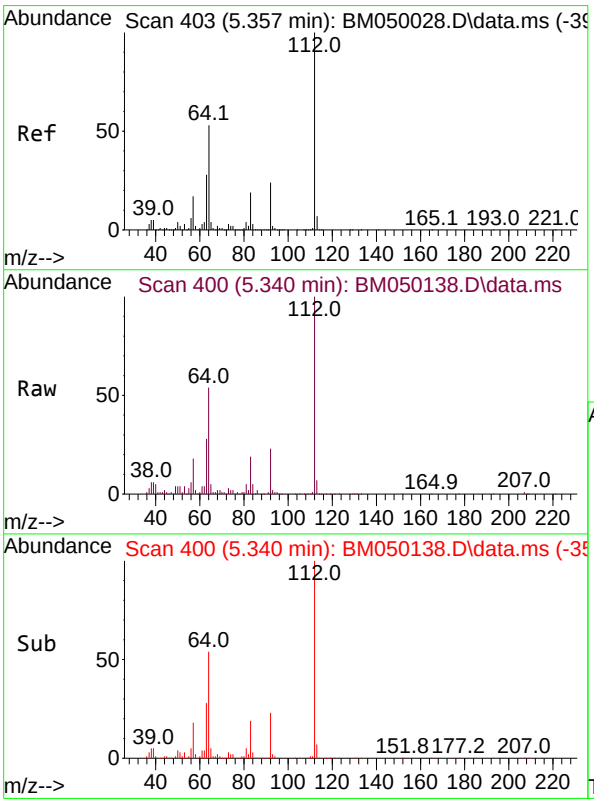

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.745 min Scan# 80
Delta R.T. -0.024 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

**Instrument :**
BNA_M
**ClientSampleId :**
GB3WDL

Tgt Ion:152 Resp: 252681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.3 | 124.1 | 186.1 |
| 115 | 53.0 | 41.2 | 61.8 |

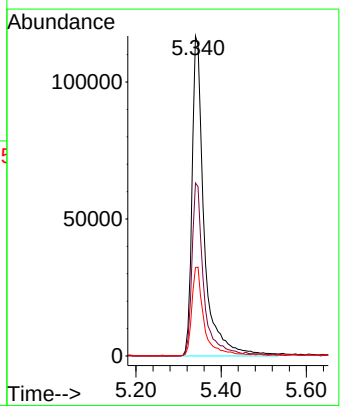


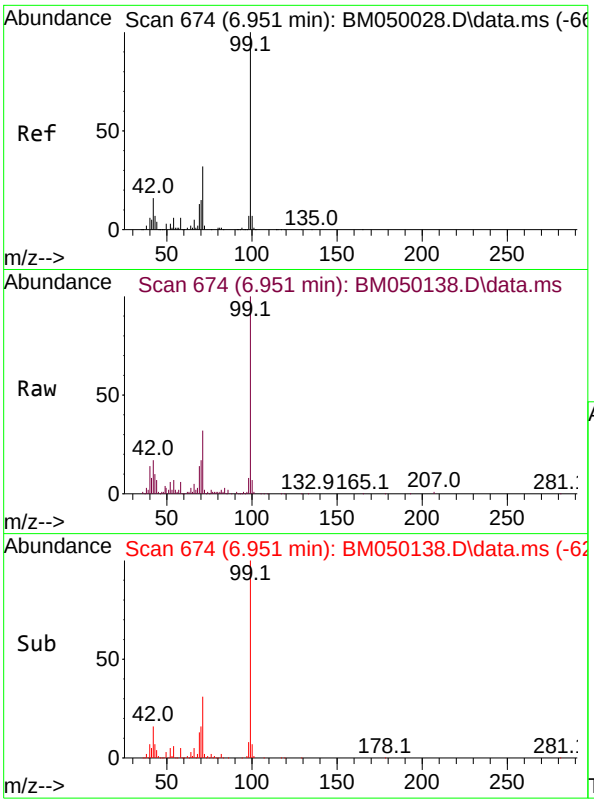




#5
2-Fluorophenol
Concen: 16.076 ng
RT: 5.340 min Scan# 400
Delta R.T. -0.018 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

Tgt Ion:112 Resp: 231975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.0 | 42.6 | 64.0 |
| 63 | 27.7 | 22.2 | 33.4 |



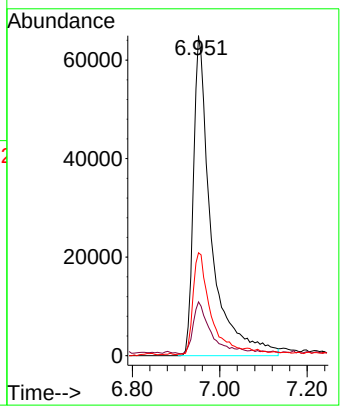


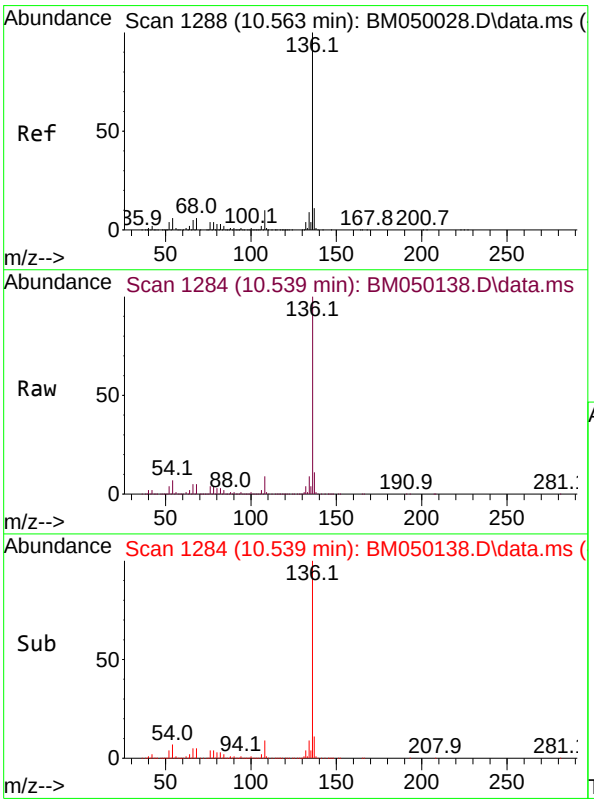

#7
Phenol-d6
Concen: 10.153 ng
RT: 6.951 min Scan# 6
Delta R.T. -0.000 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

**Instrument :**
BNA_M
**ClientSampleId :**
GB3WDL

Tgt Ion: 99 Resp: 184138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.8 | 13.0 | 19.4 |
| 71 | 32.2 | 25.6 | 38.4 |

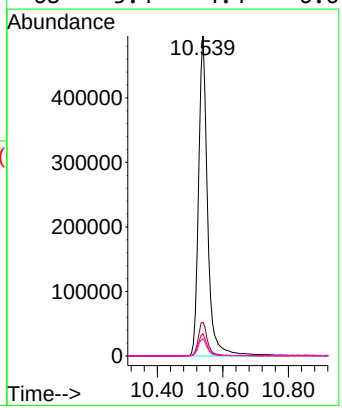


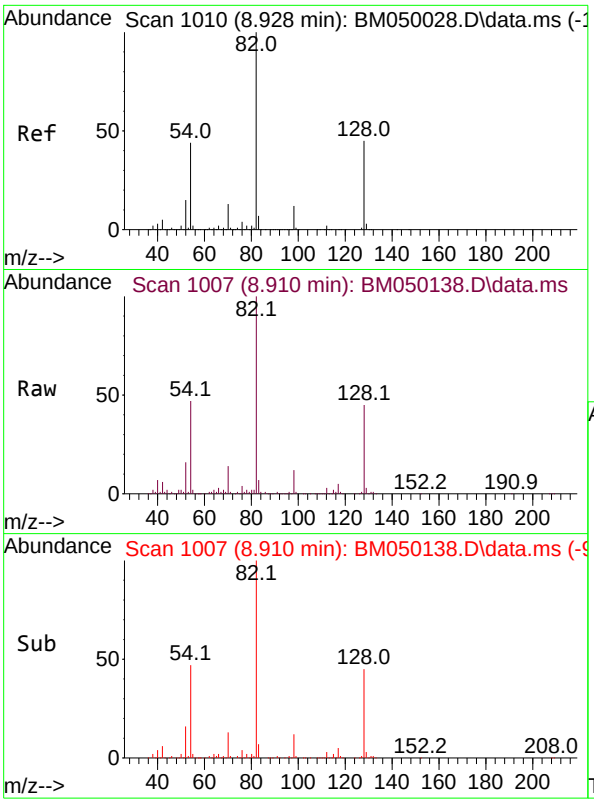




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.539 min Scan# 1284
Delta R.T. -0.024 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

Tgt Ion:136 Resp: 948637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.5 | 8.9 | 13.3 |
| 54 | 7.0 | 5.1 | 7.7 |
| 68 | 5.4 | 4.4 | 6.6 |



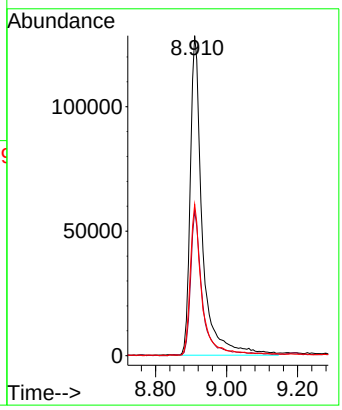


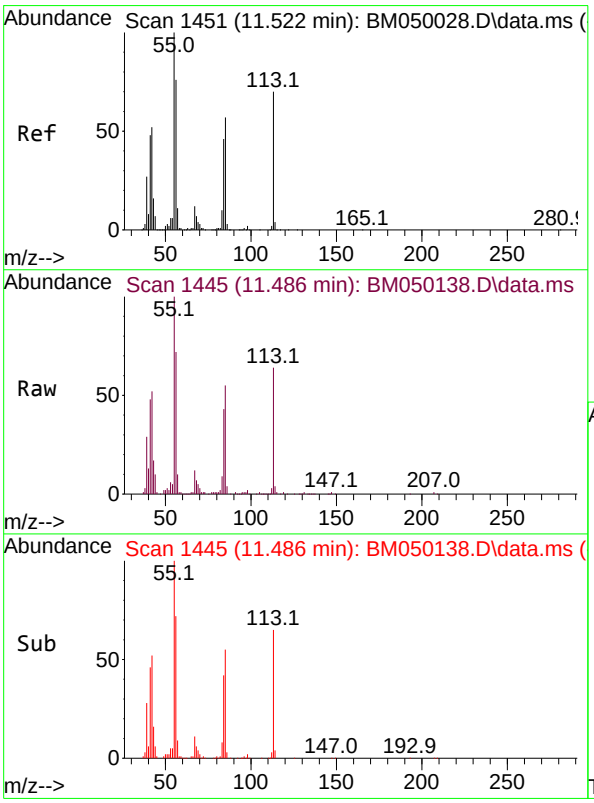

#23
Nitrobenzene-d5
Concen: 15.849 ng
RT: 8.910 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

**Instrument :**
BNA_M
**ClientSampleId :**
GB3WDL

Tgt Ion: 82 Resp: 305105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.3 | 35.7 | 53.5 |
| 54 | 47.3 | 35.4 | 53.2 |

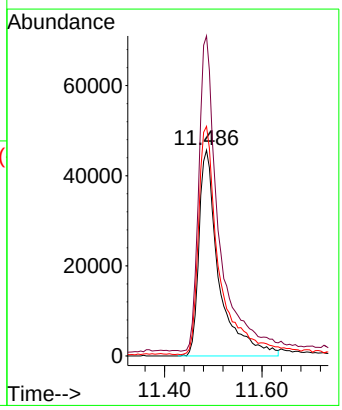


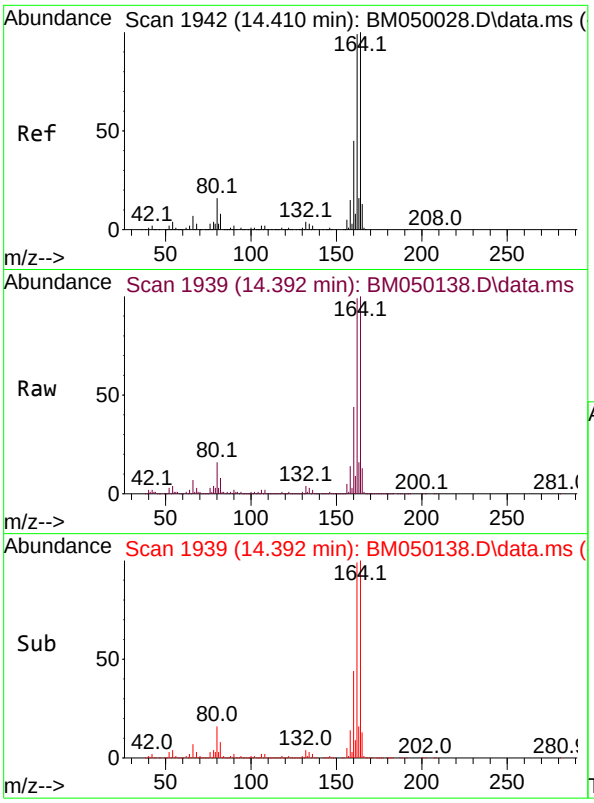




#35
Caprolactam
Concen: 28.357 ng
RT: 11.486 min Scan# 1445
Delta R.T. -0.035 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

Tgt Ion:113 Resp: 130629

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 155.5 | 122.9 | 162.9 |
| 56 | 111.6 | 88.1 | 128.1 |



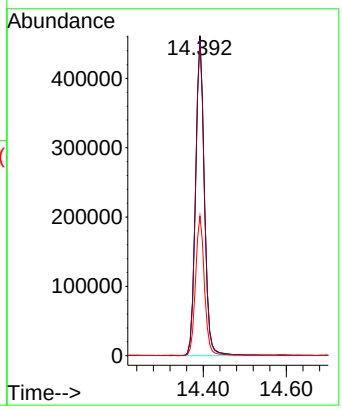


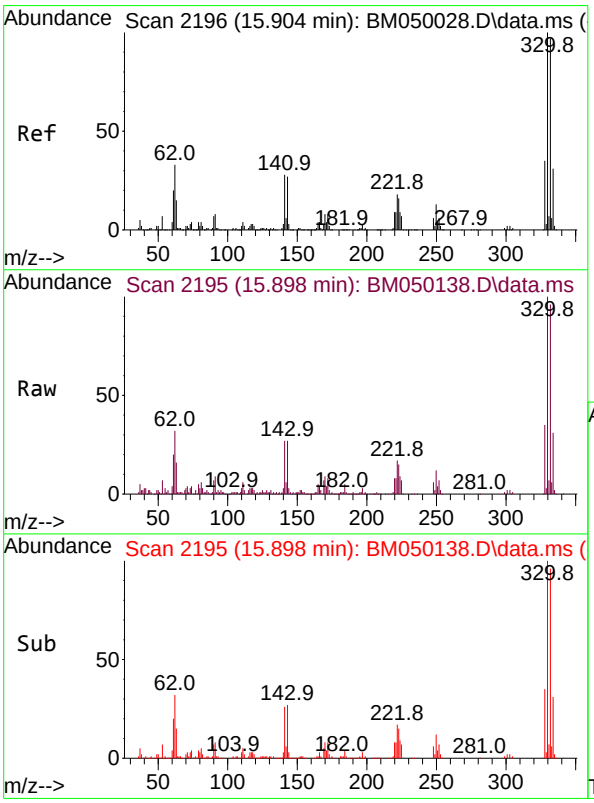

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1
Delta R.T. -0.018 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

**Instrument :**
BNA_M
**ClientSampleId :**
GB3WDL

Tgt Ion:164 Resp: 680621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.6 | 79.4 | 119.0 |
| 160 | 43.6 | 36.2 | 54.4 |

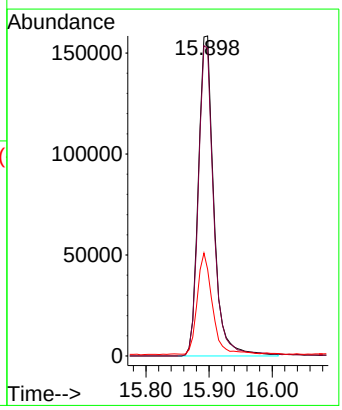


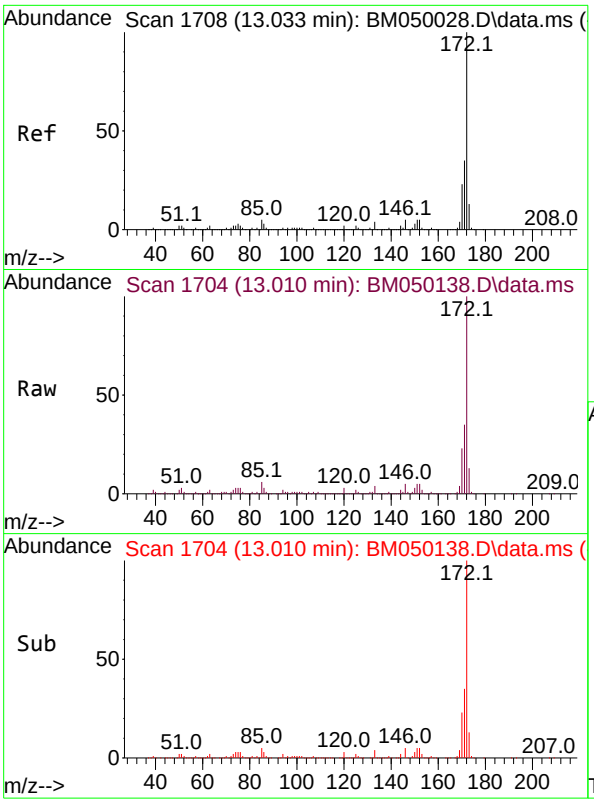




#42
2,4,6-Tribromophenol
Concen: 26.815 ng
RT: 15.898 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

Tgt Ion:330 Resp: 269859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.2 | 77.3 | 115.9 |
| 141 | 30.6 | 22.5 | 33.7 |



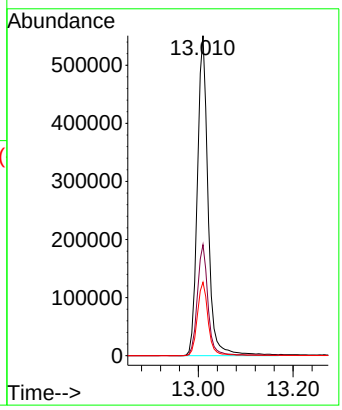


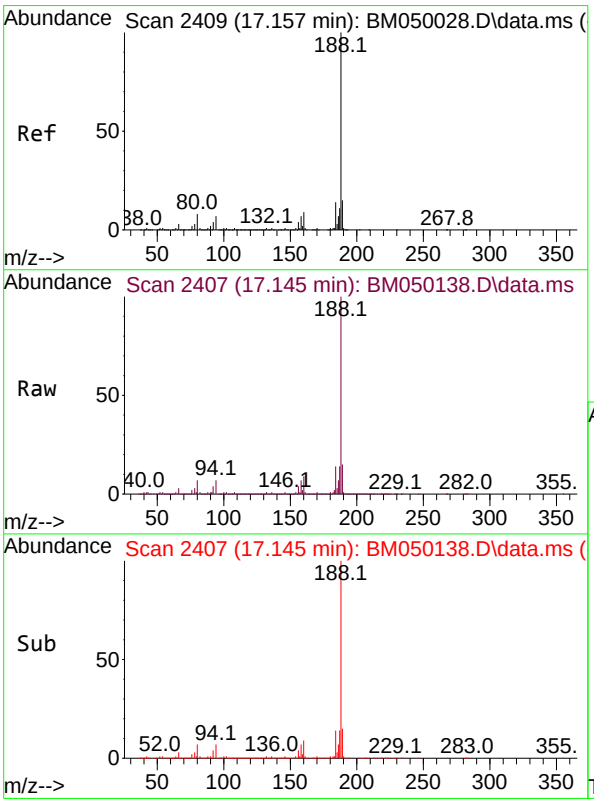

#45
2-Fluorobiphenyl
Concen: 15.072 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.024 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

**Instrument :**
BNA_M
**ClientSampleId :**
GB3WDL

Tgt Ion:172 Resp: 867165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.7 | 27.8 | 41.6 |
| 170 | 22.9 | 18.6 | 28.0 |

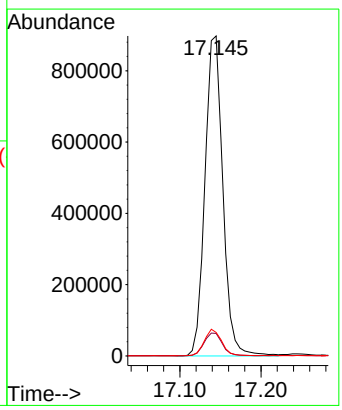


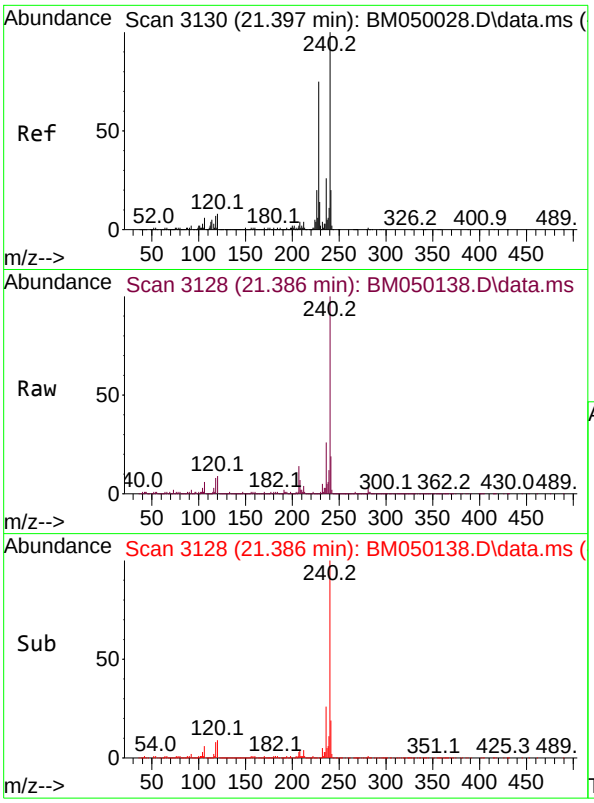




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.145 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

Tgt Ion:188 Resp: 1371677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.1 | 5.7 | 8.5 |
| 80 | 7.4 | 6.2 | 9.4 |



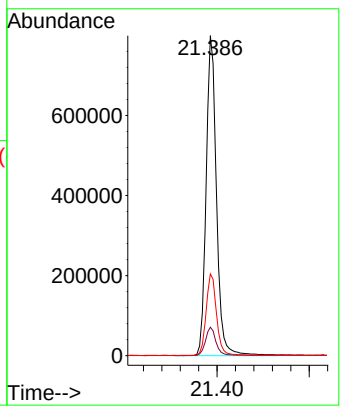


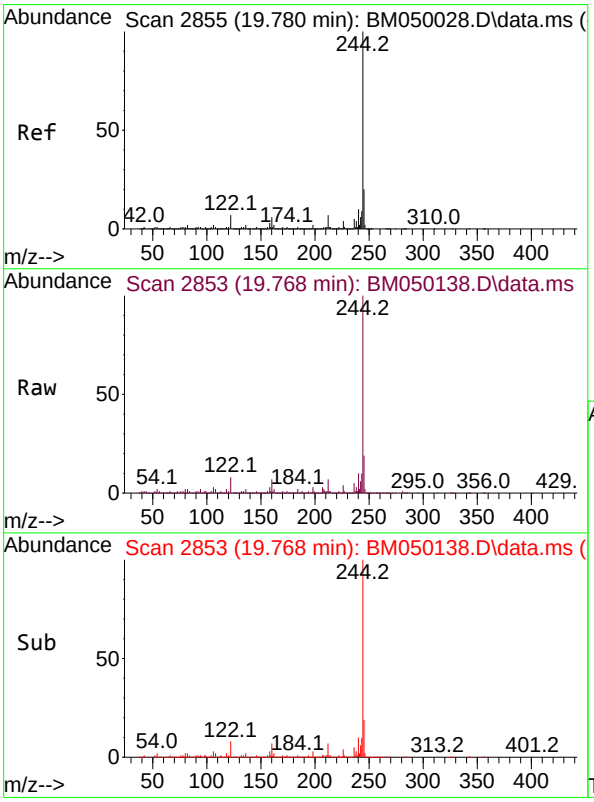

#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.386 min Scan# 3
Delta R.T. -0.011 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

**Instrument :**
BNA_M
**ClientSampleId :**
GB3WDL

Tgt Ion:240 Resp: 1252991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.9 | 6.5 | 9.7 |
| 236 | 25.5 | 20.9 | 31.3 |

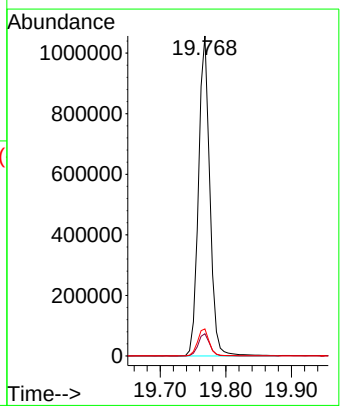


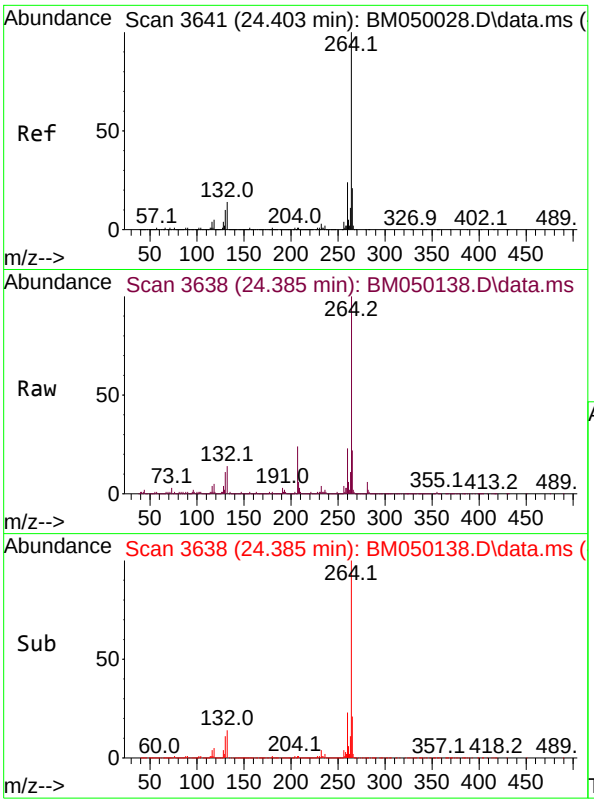




#79
Terphenyl-d14
Concen: 15.034 ng
RT: 19.768 min Scan# 2853
Delta R.T. -0.012 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

Tgt Ion:244 Resp: 1273016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.6 | 8.4 |
| 122 | 8.4 | 5.6 | 8.4# |



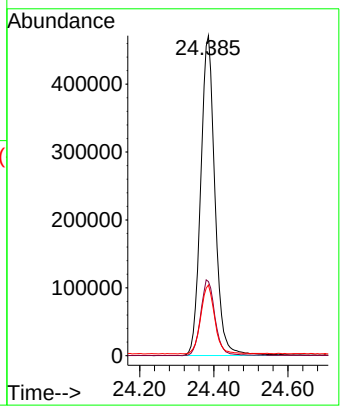



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.385 min Scan# 3
Delta R.T. -0.018 min
Lab File: BM050138.D
Acq: 07 May 2025 17:03

**Instrument :**
BNA_M
**ClientSampleId :**
GB3WDL

Tgt Ion:264 Resp: 1255099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.8 | 28.2 |
| 265 | 22.1 | 17.0 | 25.4 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
Data File : BM050141.D
Acq On : 08 May 2025 11:21
Operator : RC/JU
Sample : PB167889BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB167889BL

Quant Time: May 08 12:15:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 08 12:03:21 2025
Response via : Initial Calibration

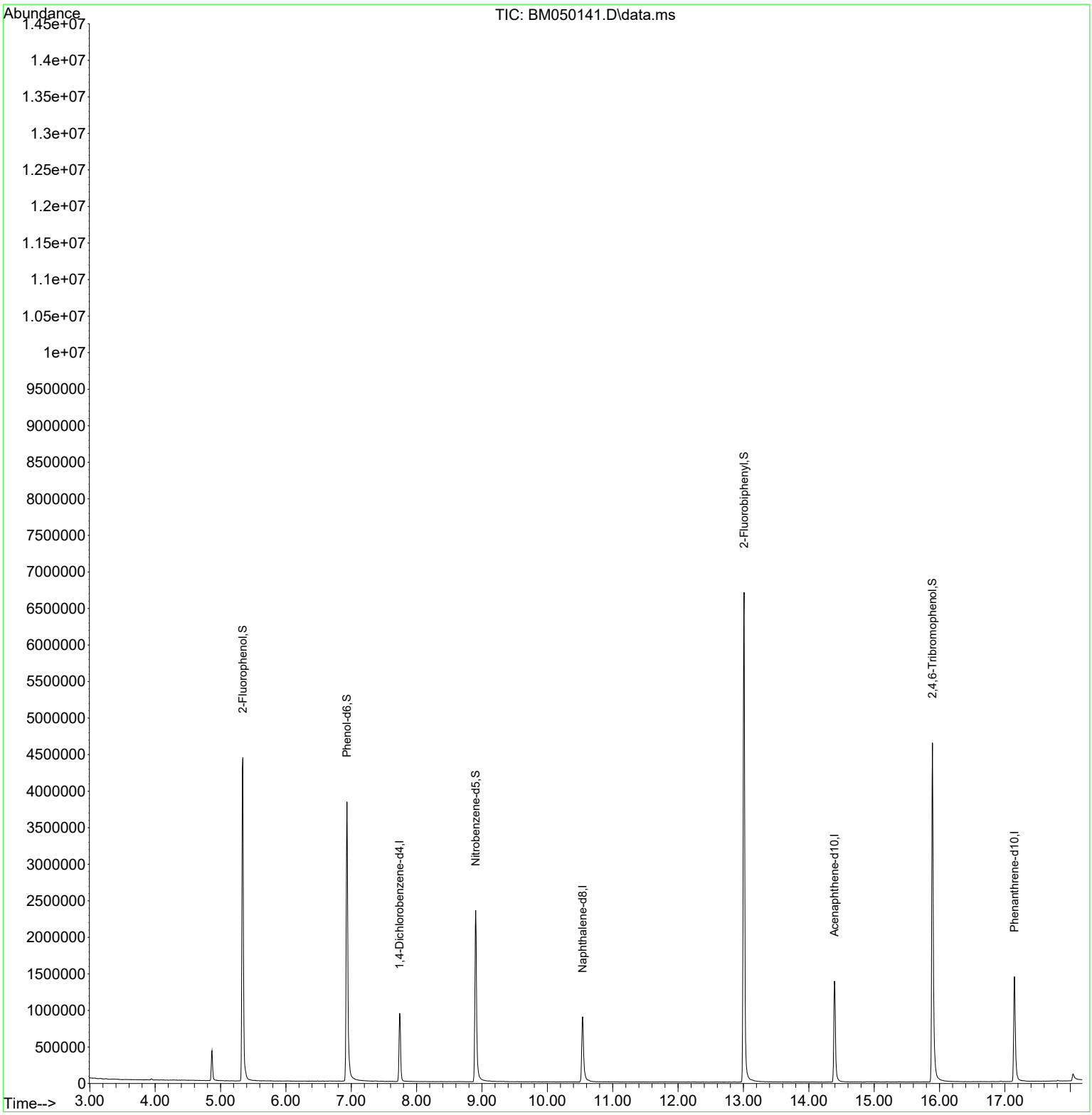
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.739 | 152 | 284899 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.539 | 136 | 988666 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.392 | 164 | 615934 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.145 | 188 | 1138365 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.391 | 240 | 926404 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.385 | 264 | 1008661 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.340 | 112 | 2187119 | 134.427 | ng | 0.00 |
| 7) Phenol-d6 | 6.934 | 99 | 2617121 | 127.981 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.904 | 82 | 1582925 | 78.895 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.892 | 330 | 1174696 | 128.983 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.010 | 172 | 4198005 | 80.628 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.768 | 244 | 5770748 | 92.176 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
Data File : BM050141.D
Acq On : 08 May 2025 11:21
Operator : RC/JU
Sample : PB167889BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB167889BL

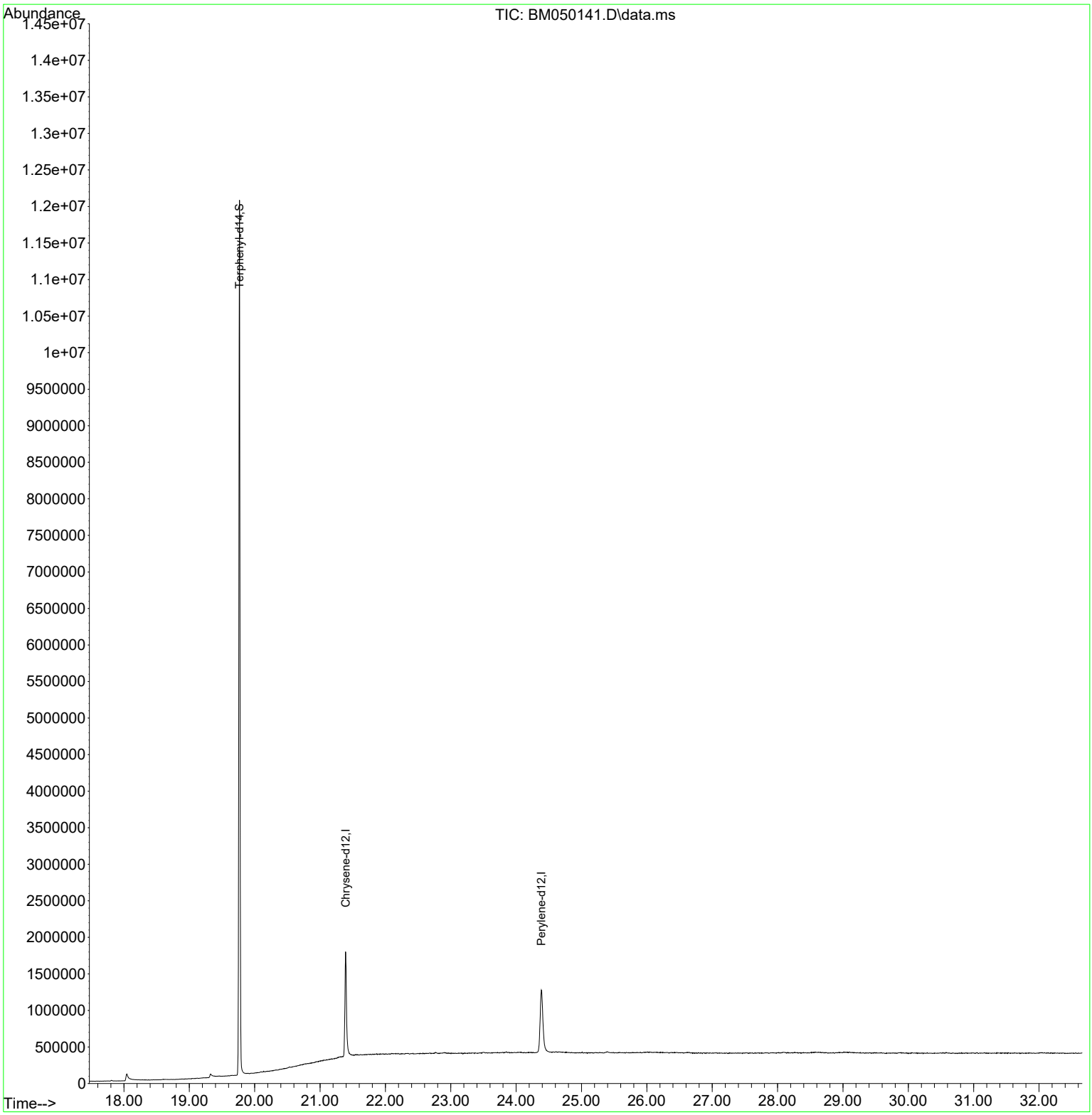
Quant Time: May 08 12:15:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 08 12:03:21 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
Data File : BM050141.D
Acq On : 08 May 2025 11:21
Operator : RC/JU
Sample : PB167889BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB167889BL

Quant Time: May 08 12:15:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 08 12:03:21 2025
Response via : Initial Calibration



Sample Results: **BM050141.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
Data File : BM050141.D
Acq On : 08 May 2025 11:21
Operator : RC/JU
Sample : PB167889BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB167889BL

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_M\Methods\8270-BM042825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM050141.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.869 | 314 | 320 | 330 | rBV | 410473 | 612536 | 4.26% | 0.918% |
| 2 | 5.340 | 393 | 400 | 417 | rBV | 4424702 | 7096282 | 49.41% | 10.634% |
| 3 | 6.934 | 664 | 671 | 700 | rBV | 3817923 | 6914069 | 48.14% | 10.360% |
| 4 | 7.739 | 800 | 808 | 821 | rBV | 935549 | 1563046 | 10.88% | 2.342% |
| 5 | 8.904 | 998 | 1006 | 1033 | rBV | 2345754 | 4486181 | 31.23% | 6.722% |
| 6 | 10.539 | 1275 | 1284 | 1306 | rBV | 892934 | 1964027 | 13.67% | 2.943% |
| 7 | 13.010 | 1696 | 1704 | 1731 | rBV | 6698872 | 11110302 | 77.35% | 16.648% |
| 8 | 14.392 | 1929 | 1939 | 1959 | rBV | 1381787 | 2513666 | 17.50% | 3.767% |
| 9 | 15.892 | 2187 | 2194 | 2233 | rBV | 4640284 | 8173491 | 56.91% | 12.248% |
| 10 | 17.145 | 2400 | 2407 | 2427 | rBV2 | 1434806 | 2646945 | 18.43% | 3.966% |
| 11 | 18.045 | 2554 | 2560 | 2569 | rBV3 | 93206 | 244419 | 1.70% | 0.366% |
| 12 | 19.768 | 2847 | 2853 | 2871 | rBV | 11970325 | 14363052 | 100.00% | 21.523% |
| 13 | 21.391 | 3123 | 3129 | 3143 | rBV2 | 1434153 | 2520935 | 17.55% | 3.778% |
| 14 | 24.385 | 3631 | 3638 | 3660 | rVB | 848616 | 2525951 | 17.59% | 3.785% |

Sum of corrected areas: 66734902

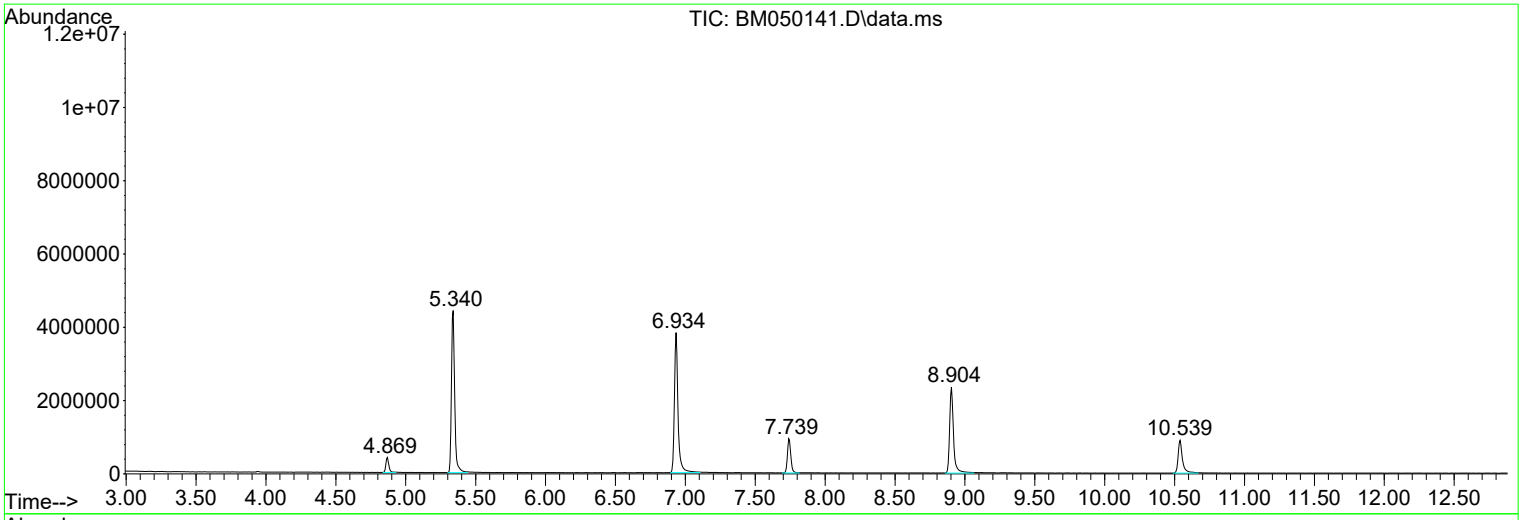
Sample Results: **BM050141.D**

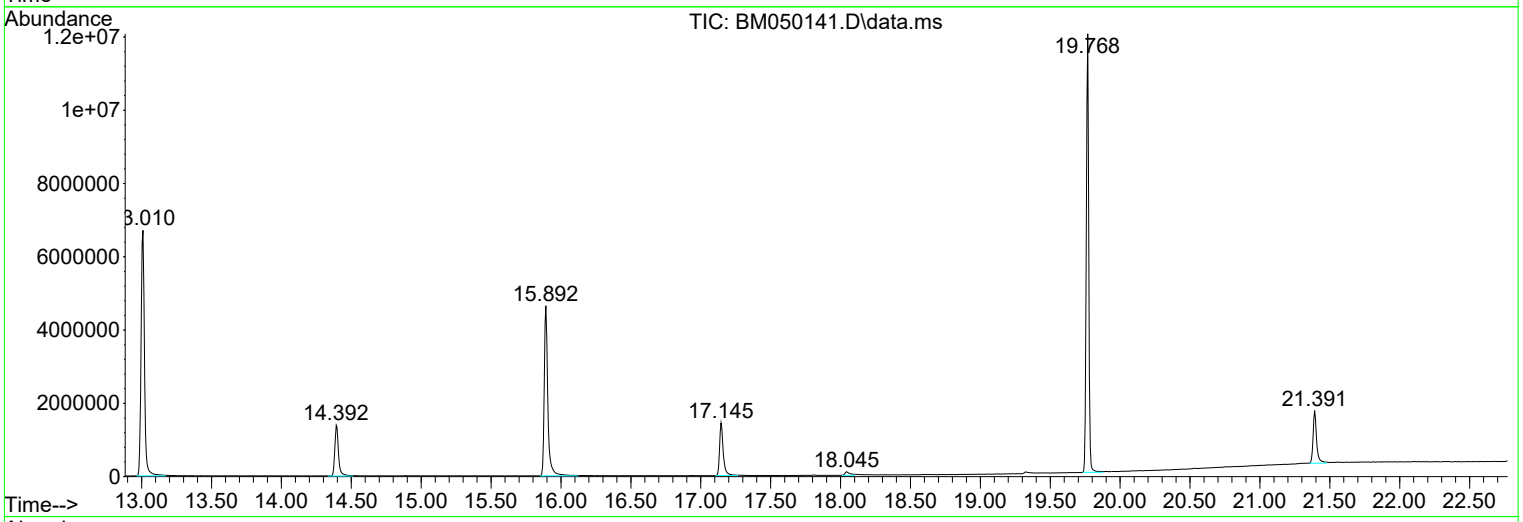
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
Data File : BM050141.D
Acq On : 08 May 2025 11:21
Operator : RC/JU
Sample : PB167889BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

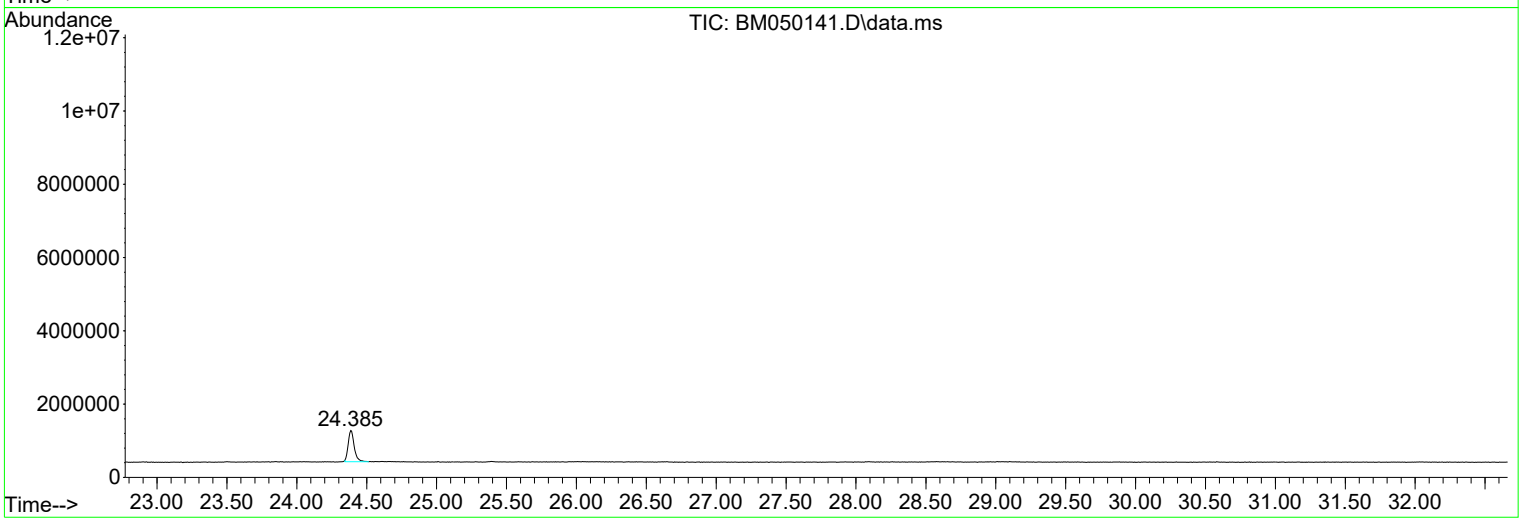
**Instrument :**
BNA_M
**ClientSampleId :**
PB167889BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.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_M\Data\BM050825\
Data File : BM050141.D
Acq On : 08 May 2025 11:21
Operator : RC/JU
Sample : PB167889BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB167889BL

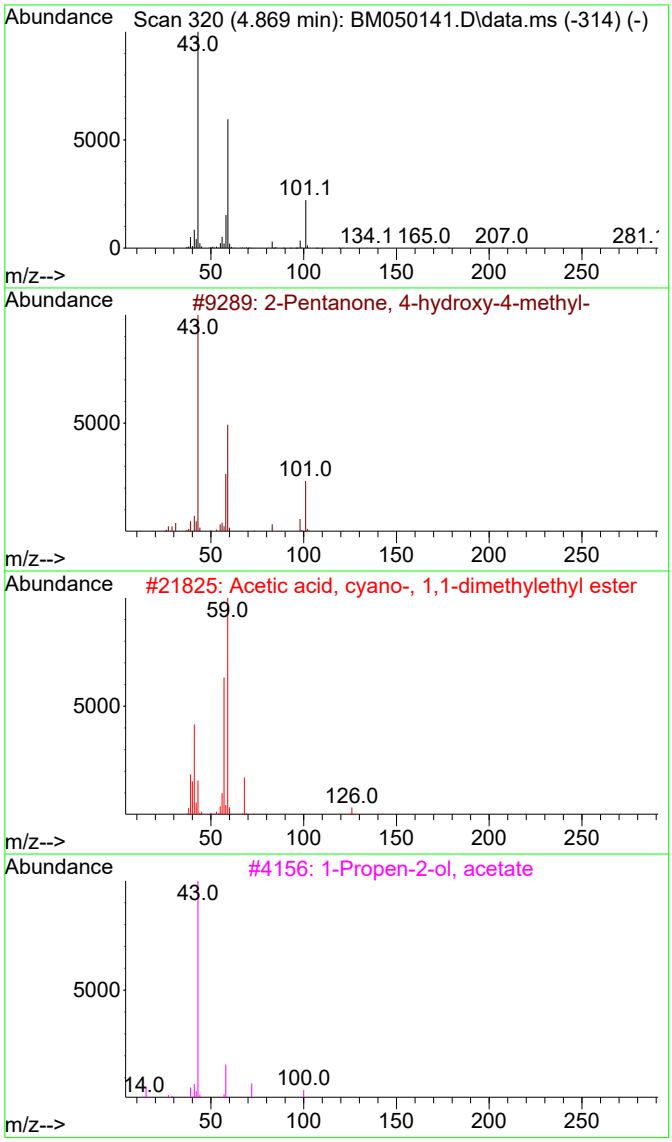
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

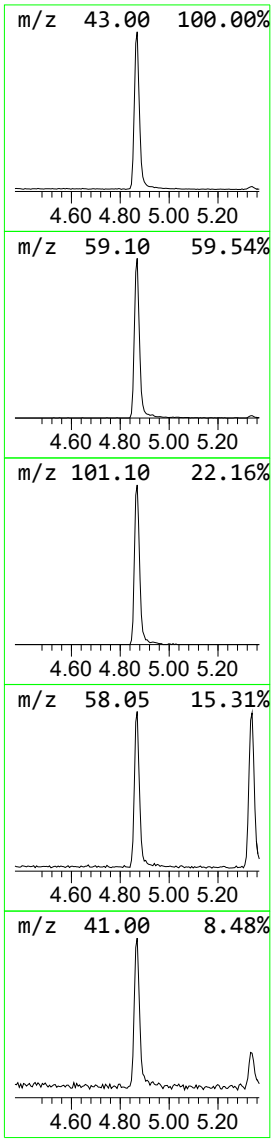
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.869 | 7.84 ng | 612536 | 1,4-Dichlorobenzene-d4 | 7.739 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64 |
| 2 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |
| 3 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 4 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 9 |
| 5 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |



Sample Results: **BM050141.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
Data File : BM050141.D
Acq On : 08 May 2025 11:21
Operator : RC/JU
Sample : PB167889BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB167889BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.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 |
| 2-Pentanone, 4-... | 4.869 | 7.8 | ng | 612536 | 1 | 7.739 | 1563050 | 20.0 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
Data File : BM050142.D
Acq On : 08 May 2025 12:00
Operator : RC/JU
Sample : PB167889BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB167889BS

Quant Time: May 08 12:42:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 08 12:03:21 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.740 | 152 | 270040 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.534 | 136 | 938494 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.392 | 164 | 568093 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.139 | 188 | 1021174 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.380 | 240 | 945959 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.380 | 264 | 977986 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.340 | 112 | 1956963 | 126.899 | ng | 0.00 |
| 7) Phenol-d6 | 6.934 | 99 | 2378415 | 122.708 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.904 | 82 | 1408955 | 73.978 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.886 | 330 | 1043589 | 124.237 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.004 | 172 | 3653835 | 76.087 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.768 | 244 | 5064085 | 79.216 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.234 | 88 | 223866 | 33.856 | ng | 99 |
| 3) Pyridine | 3.634 | 79 | 623284 | 36.688 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.546 | 42 | 274924 | 41.260 | ng | 99 |
| 6) Aniline | 7.075 | 93 | 685482 | 28.007 | ng | 99 |
| 8) 2-Chlorophenol | 7.316 | 128 | 710289 | 42.599 | ng | 98 |
| 9) Benzaldehyde | 6.887 | 77 | 297678 | 22.950 | ng | 98 |
| 10) Phenol | 6.957 | 94 | 842425 | 42.933 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 7.169 | 93 | 664180 | 40.537 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 7.628 | 146 | 805508 | 39.992 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 7.775 | 146 | 817636 | 40.408 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 8.093 | 146 | 785343 | 40.180 | ng | 99 |
| 15) Benzyl Alcohol | 7.993 | 79 | 561188 | 41.749 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.269 | 45 | 815438 | 40.942 | ng | 99 |
| 17) 2-Methylphenol | 8.204 | 107 | 539244 | 41.717 | ng | 99 |
| 18) Hexachloroethane | 8.816 | 117 | 289103 | 40.192 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 8.551 | 70 | 492380 | 39.608 | ng | 99 |
| 20) 3+4-Methylphenols | 8.534 | 107 | 724638 | 41.511 | ng | 96 |
| 22) Acetophenone | 8.569 | 105 | 967776 | 41.478 | ng | 99 |
| 24) Nitrobenzene | 8.945 | 77 | 696141 | 42.273 | ng | 99 |
| 25) Isophorone | 9.475 | 82 | 1295435 | 39.903 | ng | 99 |
| 26) 2-Nitrophenol | 9.657 | 139 | 368859 | 43.844 | ng | 99 |
| 27) 2,4-Dimethylphenol | 9.728 | 122 | 598259 | 42.880 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.945 | 93 | 827841 | 41.256 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.210 | 162 | 672716 | 43.040 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.398 | 180 | 783066 | 41.121 | ng | 99 |
| 31) Naphthalene | 10.587 | 128 | 1944854 | 40.920 | ng | 99 |
| 32) Benzoic acid | 9.910 | 122 | 373948 | 41.908 | ng | 98 |
| 33) 4-Chloroaniline | 10.716 | 127 | 345539 | 17.737 | ng | 99 |
| 34) Hexachlorobutadiene | 10.869 | 225 | 506147 | 41.872 | ng | 100 |
| 35) Caprolactam | 11.510 | 113 | 170422 | 37.395 | ng | 97 |
| 36) 4-Chloro-3-methylphenol | 11.851 | 107 | 588941 | 40.784 | ng | 97 |
| 37) 2-Methylnaphthalene | 12.204 | 142 | 1272363 | 39.930 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.422 | 142 | 1330659 | 39.460 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.581 | 216 | 869756 | 44.227 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.551 | 237 | 1151100 | 95.780 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.828 | 196 | 558909 | 44.808 | ng | 98 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
Data File : BM050142.D
Acq On : 08 May 2025 12:00
Operator : RC/JU
Sample : PB167889BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB167889BS

Quant Time: May 08 12:42:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 08 12:03:21 2025
Response via : Initial Calibration

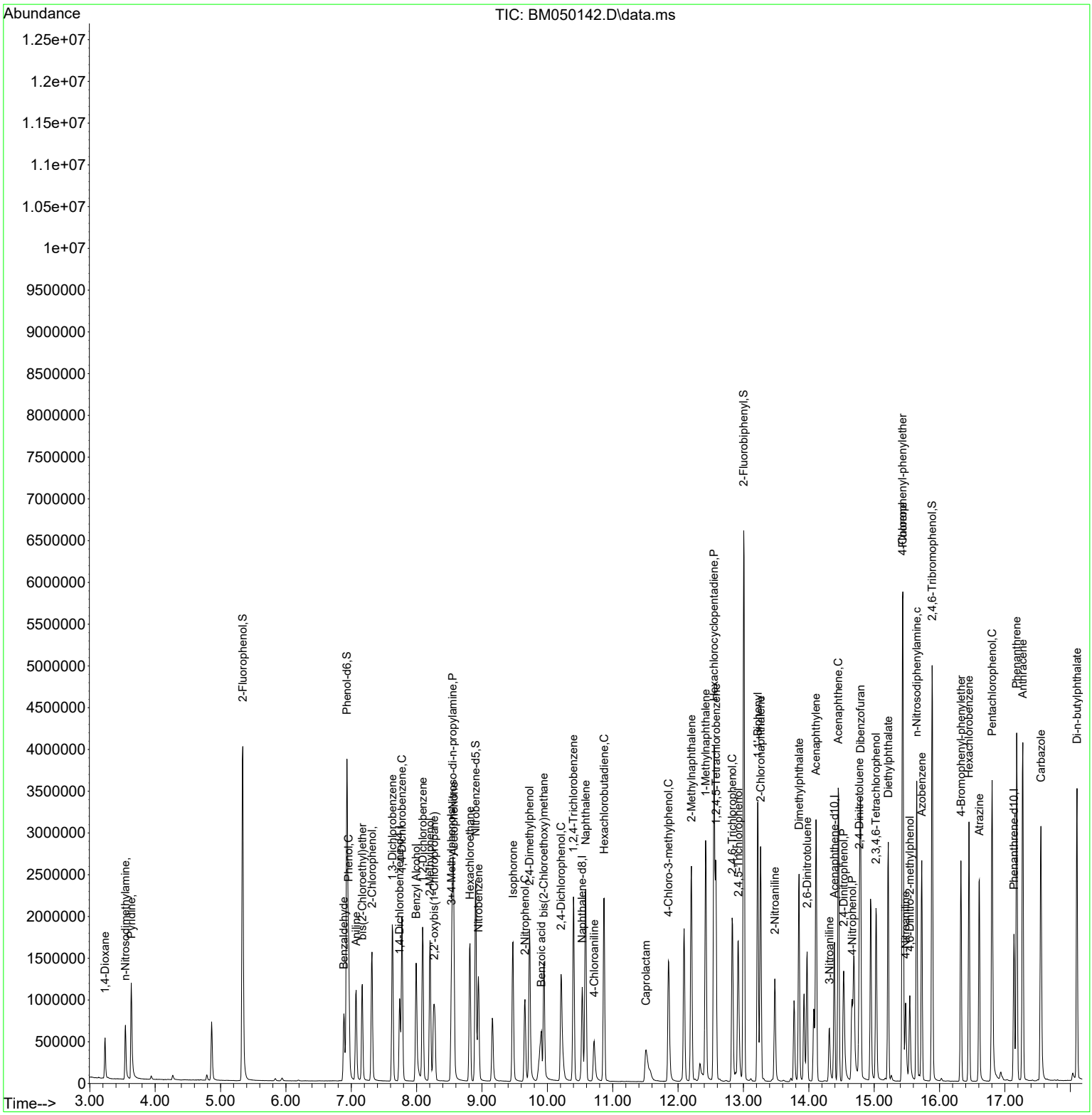
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.922 | 196 | 595418 | 44.267 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.222 | 154 | 1824120 | 43.196 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.263 | 162 | 1435664 | 42.925 | ng | | 100 |
| 48) 2-Nitroaniline | 13.480 | 65 | 350822 | 44.692 | ng | | 99 |
| 49) Acenaphthylene | 14.110 | 152 | 2229269 | 42.274 | ng | | 100 |
| 50) Dimethylphthalate | 13.851 | 163 | 1711305 | 41.219 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.975 | 165 | 370744 | 43.131 | ng | | 99 |
| 52) Acenaphthene | 14.451 | 154 | 1286566 | 42.149 | ng | | 99 |
| 53) 3-Nitroaniline | 14.316 | 138 | 203467 | 24.793 | ng | | 98 |
| 54) 2,4-Dinitrophenol | 14.533 | 184 | 437692 | 79.596 | ng | | 98 |
| 55) Dibenzofuran | 14.792 | 168 | 2121632 | 41.776 | ng | | 99 |
| 56) 4-Nitrophenol | 14.663 | 139 | 503968 | 75.740 | ng | | 100 |
| 57) 2,4-Dinitrotoluene | 14.774 | 165 | 509344 | 42.882 | ng | | 97 |
| 58) Fluorene | 15.439 | 166 | 1729486 | 41.605 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.027 | 232 | 487372 | 41.860 | ng | | 99 |
| 60) Diethylphthalate | 15.216 | 149 | 1565730 | 40.024 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.433 | 204 | 952609 | 41.722 | ng | | 99 |
| 62) 4-Nitroaniline | 15.480 | 138 | 300705 | 37.978 | ng | | 98 |
| 63) Azobenzene | 15.727 | 77 | 1367543 | 41.712 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.545 | 198 | 284575 | 44.519 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.651 | 169 | 1427311 | 45.517 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.327 | 248 | 547445 | 44.332 | ng | | 97 |
| 68) Hexachlorobenzene | 16.451 | 284 | 633103 | 44.477 | ng | | 98 |
| 69) Atrazine | 16.610 | 200 | 493748 | 43.652 | ng | | 99 |
| 70) Pentachlorophenol | 16.804 | 266 | 768709 | 95.939 | ng | | 99 |
| 71) Phenanthrene | 17.180 | 178 | 2485581 | 43.156 | ng | | 100 |
| 72) Anthracene | 17.274 | 178 | 2559025 | 43.905 | ng | | 100 |
| 73) Carbazole | 17.551 | 167 | 2188535 | 43.271 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.104 | 149 | 2568048 | 42.636 | ng | | 100 |
| 75) Fluoranthene | 19.204 | 202 | 2865387 | 42.375 | ng | | 99 |
| 77) Benzidine | 19.392 | 184 | 1066546 | 31.741 | ng | | 99 |
| 78) Pyrene | 19.568 | 202 | 2925918 | 44.046 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.462 | 149 | 1090426 | 43.828 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.362 | 228 | 2849979 | 43.751 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.292 | 252 | 620352 | 24.877 | ng | # | 99 |
| 83) Chrysene | 21.427 | 228 | 2604413 | 43.198 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.280 | 149 | 1590468 | 42.798 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.403 | 149 | 2675728 | 43.660 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 27.774 | 276 | 3550952 | 48.729 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 23.433 | 252 | 2769019 | 43.537 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.492 | 252 | 2702901 | 42.013 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.239 | 252 | 2612810 | 43.862 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 27.809 | 278 | 2908155 | 48.956 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 28.815 | 276 | 2756751 | 48.474 | ng | | 100 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
Data File : BM050142.D
Acq On : 08 May 2025 12:00
Operator : RC/JU
Sample : PB167889BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB167889BS

Quant Time: May 08 12:42:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 08 12:03:21 2025
Response via : Initial Calibration

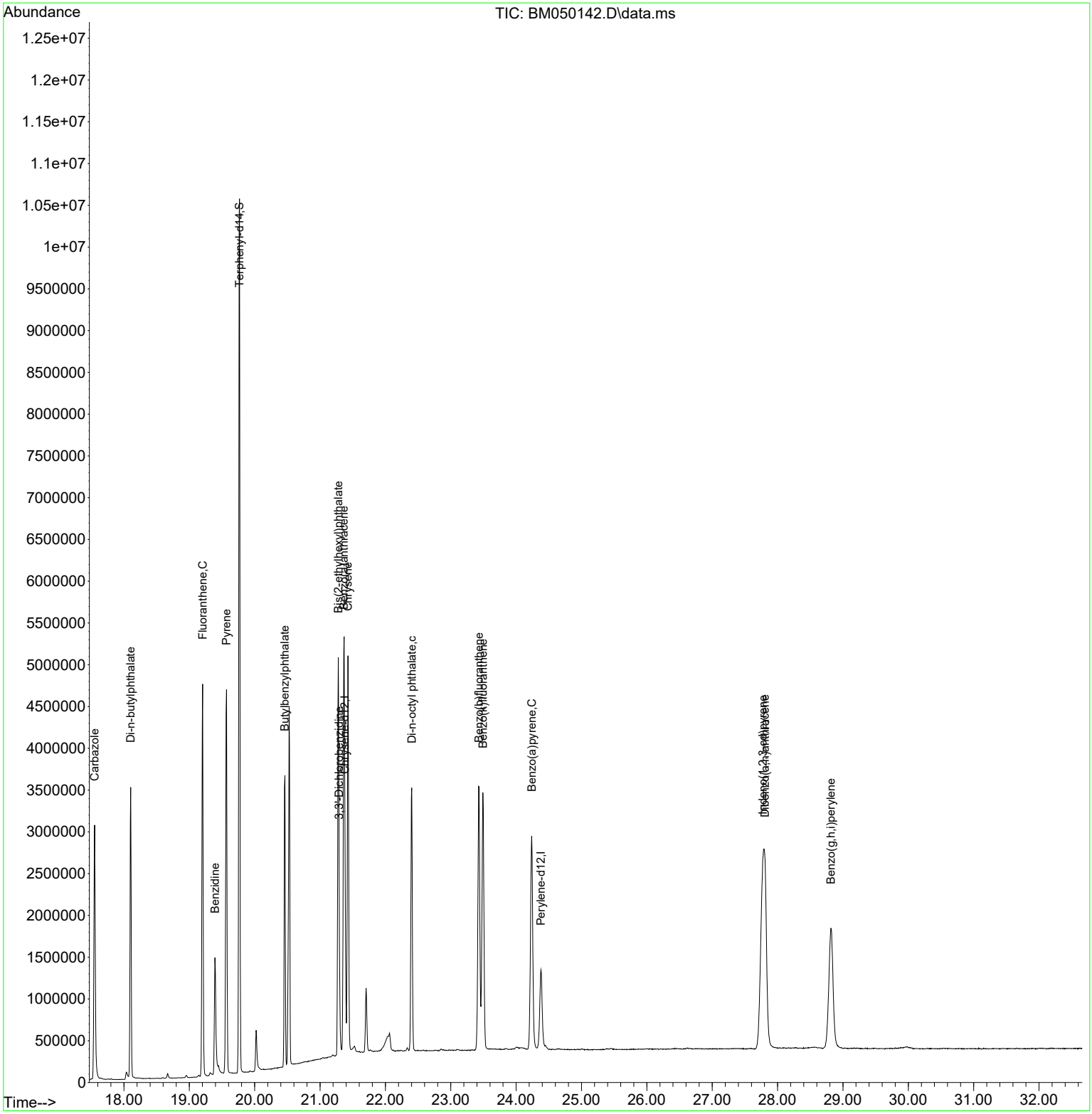


Sample Results: **BM050142.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
Data File : BM050142.D
Acq On : 08 May 2025 12:00
Operator : RC/JU
Sample : PB167889BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB167889BS

Quant Time: May 08 12:42:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 08 12:03:21 2025
Response via : Initial Calibration



Sample Results: **BM050143.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
Data File : BM050143.D
Acq On : 08 May 2025 12:39
Operator : RC/JU
Sample : PB167889BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 13:14:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 08 12:03:21 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB167889BSD

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.740 | 152 | 264346 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.534 | 136 | 911076 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.392 | 164 | 548910 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.139 | 188 | 982803 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.386 | 240 | 868474 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.380 | 264 | 893841 | 20.000 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.340 | 112 | 2021970 | 133.939 | ng | | 0.00 |
| 7) Phenol-d6 | 6.934 | 99 | 2452721 | 129.267 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.904 | 82 | 1448557 | 78.347 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.886 | 330 | 1063477 | 131.029 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.004 | 172 | 3723241 | 80.242 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.768 | 244 | 5036934 | 85.821 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.234 | 88 | 230236 | 35.570 | ng | | 99 |
| 3) Pyridine | 3.634 | 79 | 631457 | 37.969 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.546 | 42 | 272864 | 41.833 | ng | | 99 |
| 6) Aniline | 7.075 | 93 | 646417 | 26.980 | ng | | 98 |
| 8) 2-Chlorophenol | 7.316 | 128 | 713271 | 43.699 | ng | | 99 |
| 9) Benzaldehyde | 6.887 | 77 | 294210 | 23.171 | ng | | 99 |
| 10) Phenol | 6.957 | 94 | 838666 | 43.662 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.169 | 93 | 669133 | 41.719 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.628 | 146 | 816752 | 41.424 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 7.775 | 146 | 821437 | 41.470 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.093 | 146 | 788459 | 41.208 | ng | | 99 |
| 15) Benzyl Alcohol | 7.993 | 79 | 559284 | 42.504 | ng | | 96 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.263 | 45 | 810918 | 41.593 | ng | | 99 |
| 17) 2-Methylphenol | 8.204 | 107 | 540207 | 42.691 | ng | | 99 |
| 18) Hexachloroethane | 8.816 | 117 | 293460 | 41.677 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.551 | 70 | 488851 | 40.172 | ng | | 100 |
| 20) 3+4-Methylphenols | 8.534 | 107 | 717828 | 42.007 | ng | | 98 |
| 22) Acetophenone | 8.569 | 105 | 969487 | 42.801 | ng | # | 98 |
| 24) Nitrobenzene | 8.945 | 77 | 695574 | 43.509 | ng | | 98 |
| 25) Isophorone | 9.475 | 82 | 1290030 | 40.932 | ng | | 99 |
| 26) 2-Nitrophenol | 9.657 | 139 | 367311 | 44.974 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.728 | 122 | 595475 | 43.965 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.945 | 93 | 817207 | 41.952 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.210 | 162 | 674561 | 44.457 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.398 | 180 | 792832 | 42.886 | ng | | 99 |
| 31) Naphthalene | 10.587 | 128 | 1954746 | 42.366 | ng | | 100 |
| 32) Benzoic acid | 9.910 | 122 | 394151m | 45.501 | ng | | |
| 33) 4-Chloroaniline | 10.716 | 127 | 306640 | 16.214 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.869 | 225 | 513285 | 43.740 | ng | | 99 |
| 35) Caprolactam | 11.510 | 113 | 167178 | 37.787 | ng | | 96 |
| 36) 4-Chloro-3-methylphenol | 11.857 | 107 | 576231 | 41.105 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.204 | 142 | 1271852 | 41.115 | ng | | 100 |
| 38) 1-Methylnaphthalene | 12.422 | 142 | 1327396 | 40.548 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.581 | 216 | 870924 | 45.834 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.551 | 237 | 1147740 | 98.838 | ng | | 100 |
| 43) 2,4,6-Trichlorophenol | 12.833 | 196 | 549841 | 45.622 | ng | | 97 |

Sample Results: **BM050143.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
Data File : BM050143.D
Acq On : 08 May 2025 12:39
Operator : RC/JU
Sample : PB167889BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 13:14:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 08 12:03:21 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB167889BSD

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.922 | 196 | 594889 | 45.773 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.216 | 154 | 1813471 | 44.444 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.263 | 162 | 1442235 | 44.629 | ng | 100 |
| 48) 2-Nitroaniline | 13.480 | 65 | 346667 | 45.707 | ng | 99 |
| 49) Acenaphthylene | 14.110 | 152 | 2217366 | 43.518 | ng | 100 |
| 50) Dimethylphthalate | 13.851 | 163 | 1687386 | 42.064 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 13.975 | 165 | 364981 | 43.944 | ng | 99 |
| 52) Acenaphthene | 14.451 | 154 | 1280948 | 43.432 | ng | 99 |
| 53) 3-Nitroaniline | 14.316 | 138 | 187182 | 23.606 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.533 | 184 | 430670 | 80.951 | ng | 98 |
| 55) Dibenzofuran | 14.792 | 168 | 2092337 | 42.639 | ng | 99 |
| 56) 4-Nitrophenol | 14.663 | 139 | 485201 | 75.484 | ng | 99 |
| 57) 2,4-Dinitrotoluene | 14.775 | 165 | 497539 | 43.352 | ng | 97 |
| 58) Fluorene | 15.439 | 166 | 1702697 | 42.392 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.033 | 232 | 482259 | 42.868 | ng | 99 |
| 60) Diethylphthalate | 15.216 | 149 | 1537382 | 40.672 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.433 | 204 | 942516 | 42.723 | ng | 99 |
| 62) 4-Nitroaniline | 15.480 | 138 | 285268 | 37.288 | ng | 97 |
| 63) Azobenzene | 15.727 | 77 | 1345417 | 42.471 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.545 | 198 | 279844 | 45.488 | ng | 97 |
| 66) n-Nitrosodiphenylamine | 15.651 | 169 | 1392965 | 46.156 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.327 | 248 | 542393 | 45.638 | ng | 98 |
| 68) Hexachlorobenzene | 16.451 | 284 | 625015 | 45.623 | ng | 97 |
| 69) Atrazine | 16.610 | 200 | 478867 | 43.989 | ng | 100 |
| 70) Pentachlorophenol | 16.804 | 266 | 748706 | 97.091 | ng | 99 |
| 71) Phenanthrene | 17.180 | 178 | 2456477 | 44.316 | ng | 100 |
| 72) Anthracene | 17.274 | 178 | 2500364 | 44.573 | ng | 100 |
| 73) Carbazole | 17.551 | 167 | 2142721 | 44.019 | ng | 99 |
| 74) Di-n-butylphthalate | 18.104 | 149 | 2500884 | 43.142 | ng | 100 |
| 75) Fluoranthene | 19.204 | 202 | 2767529 | 42.525 | ng | 100 |
| 77) Benzidine | 19.392 | 184 | 926472 | 30.033 | ng | 99 |
| 78) Pyrene | 19.568 | 202 | 2838617 | 46.545 | ng | 100 |
| 80) Butylbenzylphthalate | 20.462 | 149 | 1034547 | 45.291 | ng | 97 |
| 81) Benzo(a)anthracene | 21.368 | 228 | 2693046 | 45.030 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.292 | 252 | 571243 | 24.952 | ng | 99 |
| 83) Chrysene | 21.427 | 228 | 2451903 | 44.297 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.280 | 149 | 1507874 | 44.196 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.403 | 149 | 2495544 | 44.353 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 27.768 | 276 | 3344168 | 50.211 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.433 | 252 | 2565912 | 44.142 | ng | 100 |
| 89) Benzo(k)fluoranthene | 23.492 | 252 | 2534162 | 43.098 | ng | 100 |
| 90) Benzo(a)pyrene | 24.239 | 252 | 2428116 | 44.598 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 27.809 | 278 | 2734690 | 50.370 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 28.821 | 276 | 2620801 | 50.422 | ng | 99 |

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

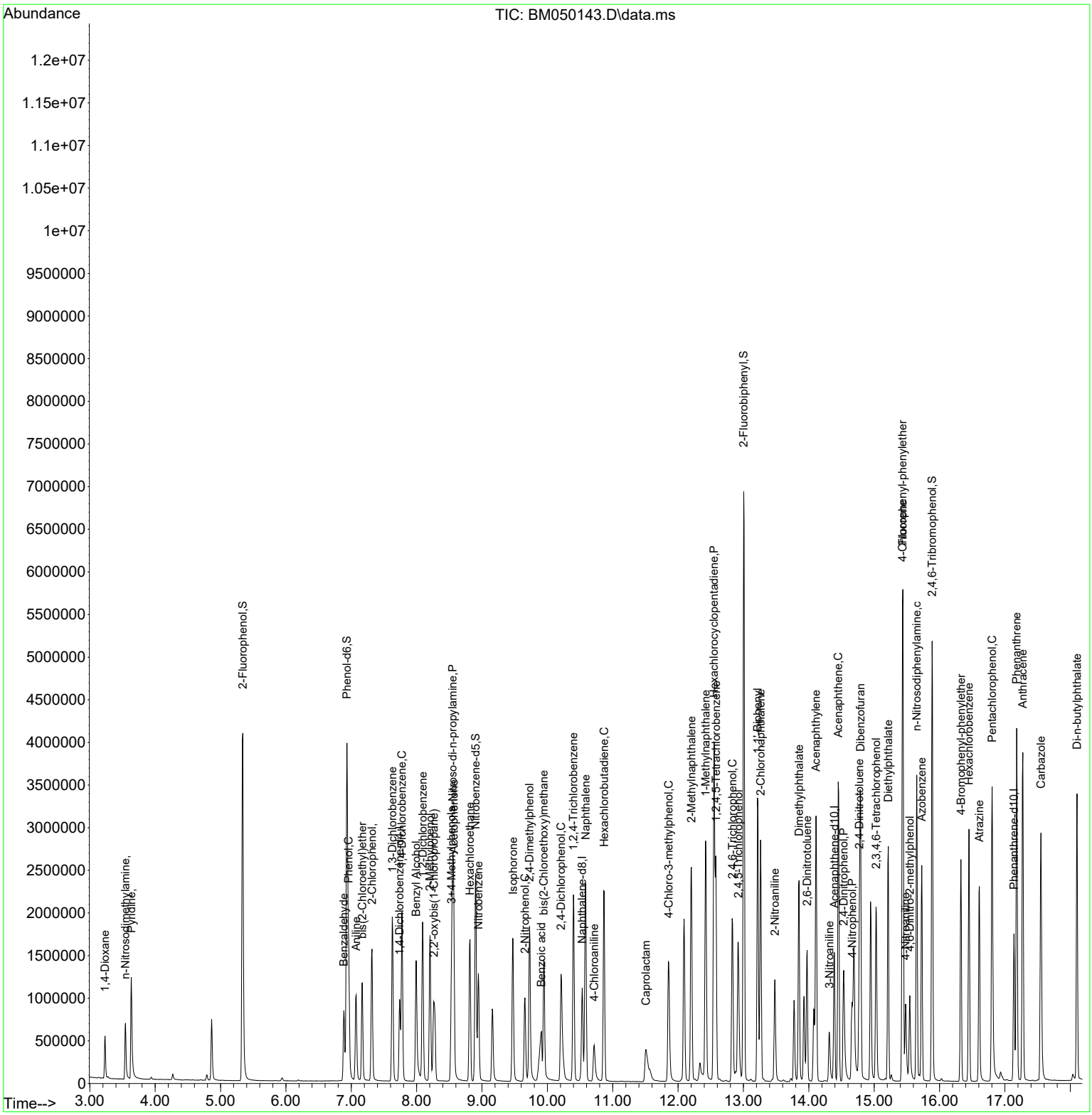
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
Data File : BM050143.D
Acq On : 08 May 2025 12:39
Operator : RC/JU
Sample : PB167889BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 13:14:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 08 12:03:21 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB167889BSD

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



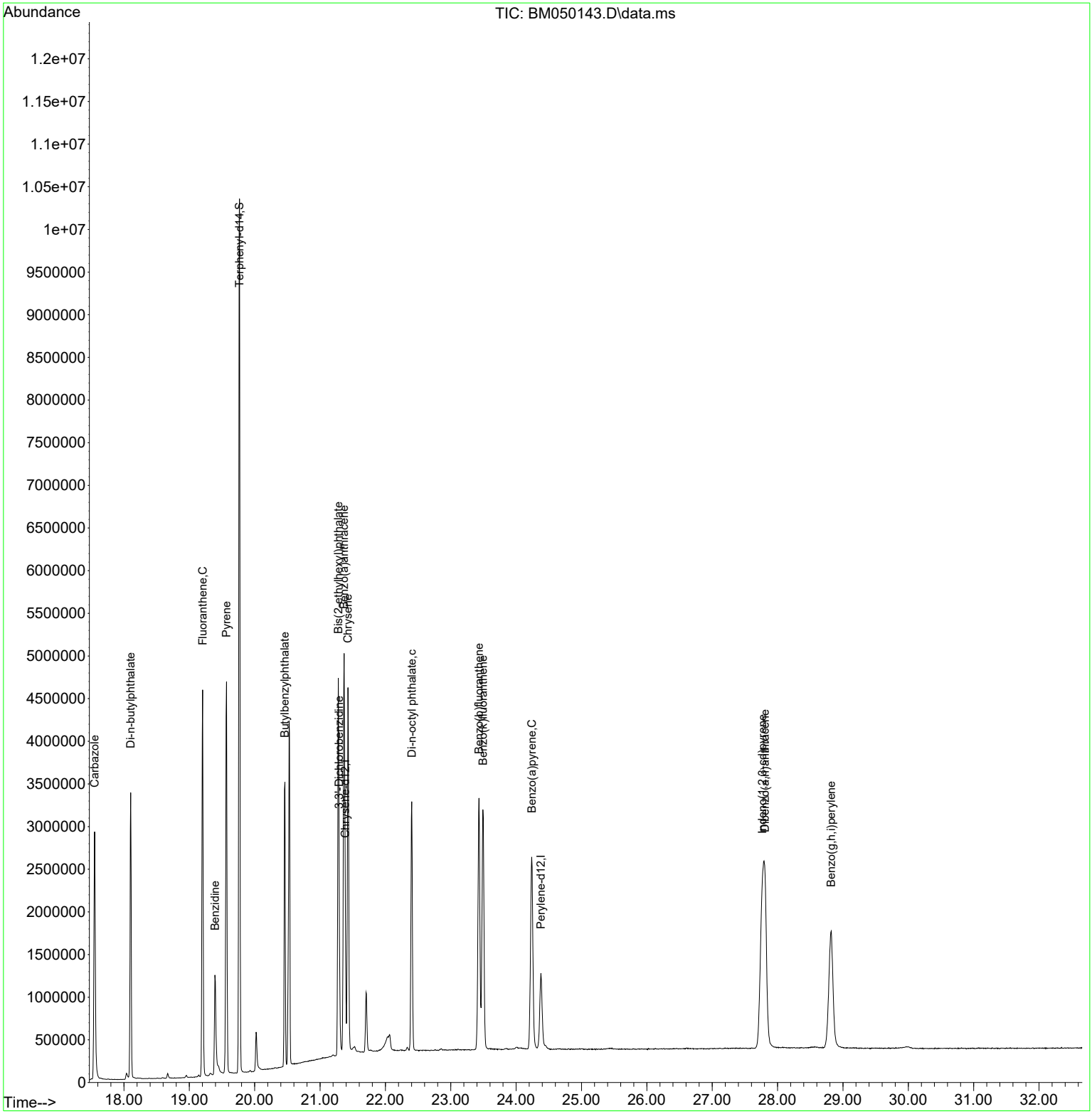
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM050825\
Data File : BM050143.D
Acq On : 08 May 2025 12:39
Operator : RC/JU
Sample : PB167889BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 08 13:14:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM042825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 08 12:03:21 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
PB167889BSD

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 05/09/2025
Supervised By :Jagrut Upadhyay 05/09/2025



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# Manual Integration Report

| Sequence: | BM042825 | Instrument | BNA_m |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICC005 | BM050025.D | 4-Nitroaniline | Rahul | 4/29/2025 8:55:04 AM | Jagrut | 4/29/2025 11:57:10 AM | Peak Integrated by Software |
| SSTDICC005 | BM050025.D | Benzaldehyde | Rahul | 4/29/2025 8:55:04 AM | Jagrut | 4/29/2025 11:57:10 AM | Peak Integrated by Software |
| SSTDICC005 | BM050025.D | Benzo(k)fluoranthene | Rahul | 4/29/2025 8:55:04 AM | Jagrut | 4/29/2025 11:57:10 AM | Peak Integrated by Software |
| SSTDICC005 | BM050025.D | Caprolactam | Rahul | 4/29/2025 8:55:04 AM | Jagrut | 4/29/2025 11:57:10 AM | Peak Integrated by Software |
| SSTDICC010 | BM050026.D | 4-Nitroaniline | Rahul | 4/29/2025 8:55:07 AM | Jagrut | 4/29/2025 11:57:13 AM | Peak Integrated by Software |
| SSTDICC010 | BM050026.D | Benzaldehyde | Rahul | 4/29/2025 8:55:07 AM | Jagrut | 4/29/2025 11:57:13 AM | Peak Integrated by Software |
| SSTDICC010 | BM050026.D | Benzoic acid | Rahul | 4/29/2025 8:55:07 AM | Jagrut | 4/29/2025 11:57:13 AM | Peak Integrated by Software |
| SSTDICC020 | BM050027.D | Benzoic acid | Rahul | 4/29/2025 8:55:10 AM | Jagrut | 4/29/2025 11:57:15 AM | Peak Integrated by Software |
| SSTDICV040 | BM050032.D | Benzaldehyde | Rahul | 4/29/2025 8:55:13 AM | Jagrut | 4/29/2025 11:57:18 AM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | bm050725 | Instrument | BNA_m |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| Q1945-01DL | BM050137.D | Caprolactam | Rahul | 5/8/2025 9:30:44 AM | Jagrut | 5/8/2025 11:18:58 AM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | bm050825 | Instrument | BNA_m |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| PB167889BSD | BM050143.D | Benzoic acid | Rahul | 5/9/2025 9:43:10 AM | Jagrut | 5/9/2025 3:39:53 PM | Peak Integrated by Software |

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**Instrument ID: BNA_M**

## Daily Analysis Runlog For Sequence/QCBatch ID # BM042825

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Rahul | Review On | 4/29/2025 8:56:26 AM | | | | |
| Supervise By | Jagrut | Supervise On | 4/29/2025 11:57:30 AM | | | | |
| SubDirectory | BM042825 | HP Acquire Method | BNA_M | | HP Processing Method | BM042825 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12661,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BM050023.D | 28 Apr 2025 11:46 | RC/JU | Ok |
| 2 | SSTDICC2.5 | BM050024.D | 28 Apr 2025 12:30 | RC/JU | Ok |
| 3 | SSTDICC005 | BM050025.D | 28 Apr 2025 13:09 | RC/JU | Ok,M |
| 4 | SSTDICC010 | BM050026.D | 28 Apr 2025 13:48 | RC/JU | Ok,M |
| 5 | SSTDICC020 | BM050027.D | 28 Apr 2025 14:27 | RC/JU | Ok,M |
| 6 | SSTDICCC040 | BM050028.D | 28 Apr 2025 15:06 | RC/JU | Ok |
| 7 | SSTDICC050 | BM050029.D | 28 Apr 2025 15:45 | RC/JU | Ok |
| 8 | SSTDICC060 | BM050030.D | 28 Apr 2025 16:24 | RC/JU | Ok |
| 9 | SSTDICC080 | BM050031.D | 28 Apr 2025 17:04 | RC/JU | Ok |
| 10 | SSTDICV040 | BM050032.D | 28 Apr 2025 17:43 | RC/JU | Ok,M |
| 11 | PB167739BL | BM050033.D | 28 Apr 2025 19:40 | RC/JU | Not Ok |

M : Manual Integration

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**Instrument ID: BNA_M**

## Daily Analysis Runlog For Sequence/QCBatch ID # BM050725

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Rahul | Review On | 5/8/2025 9:31:30 AM | | | | |
| Supervise By | Jagrut | Supervise On | 5/8/2025 11:19:09 AM | | | | |
| SubDirectory | BM050725 | HP Acquire Method | BNA_M | | HP Processing Method | BM042825 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12663,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BM050128.D | 07 May 2025 09:17 | RC/JU | Ok |
| 2 | SSTDCCC040 | BM050129.D | 07 May 2025 09:56 | RC/JU | Ok |
| 3 | PB167879BL | BM050130.D | 07 May 2025 10:35 | RC/JU | Ok |
| 4 | PB167879BS | BM050131.D | 07 May 2025 11:14 | RC/JU | Ok,M |
| 5 | Q1952-01DL | BM050132.D | 07 May 2025 12:33 | RC/JU | Ok,M |
| 6 | Q1938-01 | BM050133.D | 07 May 2025 13:12 | RC/JU | Ok |
| 7 | Q1945-01 | BM050134.D | 07 May 2025 14:26 | RC/JU | Dilution |
| 8 | Q1945-02 | BM050135.D | 07 May 2025 15:05 | RC/JU | Dilution |
| 9 | Q1956-07 | BM050136.D | 07 May 2025 15:44 | RC/JU | Ok |
| 10 | Q1945-01DL | BM050137.D | 07 May 2025 16:24 | RC/JU | Ok,M |
| 11 | Q1945-02DL | BM050138.D | 07 May 2025 17:03 | RC/JU | Ok |

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**Instrument ID: BNA_M**

## Daily Analysis Runlog For Sequence/QCBatch ID # BM050825

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Rahul | Review On | 5/9/2025 9:43:48 AM | | | | |
| Supervise By | Jagrut | Supervise On | 5/9/2025 3:41:05 PM | | | | |
| SubDirectory | BM050825 | HP Acquire Method | BNA_M | | HP Processing Method | BM042825 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12663,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BM050139.D | 08 May 2025 09:59 | RC/JU | Ok |
| 2 | SSTDCCC040 | BM050140.D | 08 May 2025 10:41 | RC/JU | Ok |
| 3 | PB167889BL | BM050141.D | 08 May 2025 11:21 | RC/JU | Ok |
| 4 | PB167889BS | BM050142.D | 08 May 2025 12:00 | RC/JU | Ok |
| 5 | PB167889BSD | BM050143.D | 08 May 2025 12:39 | RC/JU | Ok,M |
| 6 | PB167851TB | BM050144.D | 08 May 2025 13:18 | RC/JU | Ok |
| 7 | Q1964-01 | BM050145.D | 08 May 2025 14:02 | RC/JU | Ok |
| 8 | Q1964-01MS | BM050146.D | 08 May 2025 14:42 | RC/JU | Ok |
| 9 | Q1964-01MSD | BM050147.D | 08 May 2025 15:21 | RC/JU | Ok,M |
| 10 | Q1966-02 | BM050148.D | 08 May 2025 16:00 | RC/JU | Ok |
| 11 | Q1968-01 | BM050149.D | 08 May 2025 16:39 | RC/JU | Ok |
| 12 | Q1972-13 | BM050150.D | 08 May 2025 17:19 | RC/JU | Ok |
| 13 | Q1978-01 | BM050151.D | 08 May 2025 17:58 | RC/JU | Ok |
| 14 | Q1976-01 | BM050152.D | 08 May 2025 18:37 | RC/JU | Ok |
| 15 | Q1972-21 | BM050153.D | 08 May 2025 19:17 | RC/JU | Ok,M |
| 16 | Q1968-05 | BM050154.D | 08 May 2025 19:56 | RC/JU | Ok,M |
| 17 | Q1969-01 | BM050155.D | 08 May 2025 20:35 | RC/JU | Ok |

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**Instrument ID:** BNA_M

## Daily Analysis Runlog For Sequence/QCBatch ID # BM042825

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 4/29/2025 8:56:26 AM | | |
| Supervise By | Jagrut | Supervise On | 4/29/2025 11:57:30 AM | | |
| SubDirectory | BM042825 | HP Acquire Method | BNA_M | HP Processing Method | BM042825 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12661,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BM050023.D | 28 Apr 2025 11:46 | | RC/JU | Ok |
| 2 | SSTDICC2.5 | SSTDICC2.5 | BM050024.D | 28 Apr 2025 12:30 | | RC/JU | Ok |
| 3 | SSTDICC005 | SSTDICC005 | BM050025.D | 28 Apr 2025 13:09 | Compound#32-41-54-56-65-70-77 removed from 5 ppm | RC/JU | Ok,M |
| 4 | SSTDICC010 | SSTDICC010 | BM050026.D | 28 Apr 2025 13:48 | | RC/JU | Ok,M |
| 5 | SSTDICC020 | SSTDICC020 | BM050027.D | 28 Apr 2025 14:27 | | RC/JU | Ok,M |
| 6 | SSTDICCC040 | SSTDICCC040 | BM050028.D | 28 Apr 2025 15:06 | Compound#54 & 56 Kept on LR | RC/JU | Ok |
| 7 | SSTDICC050 | SSTDICC050 | BM050029.D | 28 Apr 2025 15:45 | | RC/JU | Ok |
| 8 | SSTDICC060 | SSTDICC060 | BM050030.D | 28 Apr 2025 16:24 | | RC/JU | Ok |
| 9 | SSTDICC080 | SSTDICC080 | BM050031.D | 28 Apr 2025 17:04 | | RC/JU | Ok |
| 10 | SSTDICV040 | ICVBM042825 | BM050032.D | 28 Apr 2025 17:43 | | RC/JU | Ok,M |
| 11 | PB167739BL | PB167739BL | BM050033.D | 28 Apr 2025 19:40 | Analyzed for contamination check | RC/JU | Not Ok |

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**Instrument ID:** BNA_M

## Daily Analysis Runlog For Sequence/QCBatch ID # BM050725

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 5/8/2025 9:31:30 AM | | |
| Supervise By | Jagrut | Supervise On | 5/8/2025 11:19:09 AM | | |
| SubDirectory | BM050725 | HP Acquire Method | BNA_M | HP Processing Method | BM042825 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12663,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BM050128.D | 07 May 2025 09:17 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BM050129.D | 07 May 2025 09:56 | | RC/JU | Ok |
| 3 | PB167879BL | PB167879BL | BM050130.D | 07 May 2025 10:35 | | RC/JU | Ok |
| 4 | PB167879BS | PB167879BS | BM050131.D | 07 May 2025 11:14 | | RC/JU | Ok,M |
| 5 | Q1952-01DL | CLEAN-FILLDL | BM050132.D | 07 May 2025 12:33 | | RC/JU | Ok,M |
| 6 | Q1938-01 | LOWER-WALL-PILE-A | BM050133.D | 07 May 2025 13:12 | | RC/JU | Ok |
| 7 | Q1945-01 | GB1W | BM050134.D | 07 May 2025 14:26 | Need 5X dilution | RC/JU | Dilution |
| 8 | Q1945-02 | GB3W | BM050135.D | 07 May 2025 15:05 | Need 5X dilution | RC/JU | Dilution |
| 9 | Q1956-07 | FB-05022025 | BM050136.D | 07 May 2025 15:44 | | RC/JU | Ok |
| 10 | Q1945-01DL | GB1WDL | BM050137.D | 07 May 2025 16:24 | | RC/JU | Ok,M |
| 11 | Q1945-02DL | GB3WDL | BM050138.D | 07 May 2025 17:03 | | RC/JU | Ok |

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**Instrument ID:** BNA_M

## Daily Analysis Runlog For Sequence/QCBatch ID # BM050825

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 5/9/2025 9:43:48 AM | | |
| Supervise By | Jagrut | Supervise On | 5/9/2025 3:41:05 PM | | |
| SubDirectory | BM050825 | HP Acquire Method | BNA_M | HP Processing Method | BM042825 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6722,SP6723,SP6724,SP6725,SP6726,SP6727,SP6728,SP6729 |
| CCC | SP6725 |
| Internal Standard/PEM | S12663,10ul/1000ul sample |
| ICV/I.BLK | SP6770 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BM050139.D | 08 May 2025 09:59 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BM050140.D | 08 May 2025 10:41 | | RC/JU | Ok |
| 3 | PB167889BL | PB167889BL | BM050141.D | 08 May 2025 11:21 | | RC/JU | Ok |
| 4 | PB167889BS | PB167889BS | BM050142.D | 08 May 2025 12:00 | | RC/JU | Ok |
| 5 | PB167889BSD | PB167889BSD | BM050143.D | 08 May 2025 12:39 | | RC/JU | Ok,M |
| 6 | PB167851TB | PB167851TB | BM050144.D | 08 May 2025 13:18 | | RC/JU | Ok |
| 7 | Q1964-01 | MH-LL | BM050145.D | 08 May 2025 14:02 | | RC/JU | Ok |
| 8 | Q1964-01MS | MH-LLMS | BM050146.D | 08 May 2025 14:42 | | RC/JU | Ok |
| 9 | Q1964-01MSD | MH-LLMSD | BM050147.D | 08 May 2025 15:21 | | RC/JU | Ok,M |
| 10 | Q1966-02 | CONCRETE-2 | BM050148.D | 08 May 2025 16:00 | | RC/JU | Ok |
| 11 | Q1968-01 | MH-N | BM050149.D | 08 May 2025 16:39 | | RC/JU | Ok |
| 12 | Q1972-13 | WC-B-7 | BM050150.D | 08 May 2025 17:19 | | RC/JU | Ok |
| 13 | Q1978-01 | 72-12016 | BM050151.D | 08 May 2025 17:58 | | RC/JU | Ok |
| 14 | Q1976-01 | VNJ-207 | BM050152.D | 08 May 2025 18:37 | | RC/JU | Ok |
| 15 | Q1972-21 | WC-B-1 | BM050153.D | 08 May 2025 19:17 | | RC/JU | Ok,M |
| 16 | Q1968-05 | MH-M | BM050154.D | 08 May 2025 19:56 | | RC/JU | Ok,M |
| 17 | Q1969-01 | TR-06-05072025 | BM050155.D | 08 May 2025 20:35 | | RC/JU | Ok |

M : Manual Integration

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

PB167889

**SOP ID:** M3510C,3580A-Extraction SVOC-20

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

**Matrix :** Water

**Weigh By:** N/A

**Balance check:** N/A

**Balance ID:** N/A

**pH Strip Lot#:** E3880

**Extraction By:** RJ

**Filter By:** RJ

**pH Meter ID:** N/A

**Hood ID:** 4,5,6,7

**Extraction Start Date :** 05/07/2025

**Extraction Start Time :** 08:53

**Extraction End Date :** 05/07/2025

**Extraction End Time :** 13:50

**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 | SP6752 |
| Surrogate | 1.0ML | 100/150 PPM | SP6754 |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |
| N/A | N/A | N/A | N/A |

| Chemical Used | ML/SAMPLE USED | Lot Number |
|---|---|---|
| Methylene Chloride | N/A | E3930 |
| Baked Na2SO4 | N/A | EP2607 |
| 10N NaoH | N/A | EP2559 |
| H2SO4 1:1 | N/A | EP2865 |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |
| N/A | N/A | N/A |

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

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

**KD Bath ID:** WATER BATH-1,2

**KD Bath Temperature:** 60 °C

**Envap ID:** NEVAP-02

**Envap Temperature:** 40 °C

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 5/7/25 | RJ (Ext Lab) | Rc/SVOC |
| 13:55 | Preparation Group | Analysis Group |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB167889**

**Analytical Method:** M3510C,3580A-Extraction SVOC-20

**Concentration Date:** 05/07/2025

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB167889BL | SBLK889 | SVOCMS Group1 | 1000 | 6 | RUPESH | ritesh | 1 | | | SEP-7 |
| PB167889BS | SLCS889 | SVOCMS Group1 | 1000 | 6 | RUPESH | ritesh | 1 | | | 8 |
| PB167889BSD | SLCSD889 | SVOCMS Group1 | 1000 | 6 | RUPESH | ritesh | 1 | | | 9 |
| Q1945-01 | GB1W | SVOCMS Group1 | 960 | 6 | RUPESH | ritesh | 1 | D | | 10 |
| Q1945-02 | GB3W | SVOCMS Group1 | 840 | 6 | RUPESH | ritesh | 1 | D | | 11 |
| Q1956-07 | FB-05022025 | SVOC-TCL BNA -20 | 940 | 6 | RUPESH | ritesh | 1 | I | | 12 |

RS
5/7

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

167889
8:53

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** Q1945 **WorkList ID :** 189359 **Department :** Extraction **Date :** 05-07-2025 08:49:10

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q1945-01 | GB1W | Water | SVOCMS Group1 | Cool 4 deg C | GENV01 | L41 | 05/02/2025 | 8270E |
| Q1945-02 | GB3W | Water | SVOCMS Group1 | Cool 4 deg C | GENV01 | L41 | 05/02/2025 | 8270E |
| Q1956-07 | FB-05022025 | Water | SVOC-TCL BNA -20 | Cool 4 deg C | CAMP02 | L31 | 05/02/2025 | 8270E |

**Date/Time** 5/7/25 8:50
**Raw Sample Received by:** RS (EXL (ab)
**Raw Sample Relinquished by:** CL SM



**Date/Time** 5/7/25 9:20
**Raw Sample Received by:** CL SM
**Raw Sample Relinquished by:** RS (EXL (ab)

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

# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q1945 | **OrderDate:** | 5/2/2025 11:14:00 AM |
| **Client:** | G Environmental | **Project:** | Amsterdam |
| **Contact:** | Gary Landis | **Location:** | L41,VOA Ref. #3 Water |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q1945-01** | **GB1W** | **Water** | | | **05/02/25** | | | **05/02/25** |
| | | | SVOCMS Group1 | 8270E | | 05/07/25 | 05/07/25 | |
| **Q1945-01DL** | **GB1WDL** | **Water** | | | **05/02/25** | | | **05/02/25** |
| | | | SVOCMS Group1 | 8270E | | 05/07/25 | 05/07/25 | |
| **Q1945-02** | **GB3W** | **Water** | | | **05/02/25** | | | **05/02/25** |
| | | | SVOCMS Group1 | 8270E | | 05/07/25 | 05/07/25 | |
| **Q1945-02DL** | **GB3WDL** | **Water** | | | **05/02/25** | | | **05/02/25** |
| | | | SVOCMS Group1 | 8270E | | 05/07/25 | 05/07/25 | |