284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

# DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

| | |
|---|---|
| Value | If the result is a value greater than or equal to the detection limit, report the value |
| **U** | Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required. |
| **ND** | Indicates the analyte was analyzed for, but not detected |
| **J** | Indicates an estimated value**.** This flag is used:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others. |
| **B** | Indicates the analyte was found in the blank as well as the sample report as "12 B". |
| **E** | Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis. |
| **D** | This flag identifies all compounds identified in an analysis at a secondary dilution factor. |
| **P** | This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P". |
| **N** | This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used. |
| **A** | This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product. |
| **Q** | Indicates the LCS did not meet the control limits requirements |

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q2301 | **OrderDate:** | 6/12/2025 12:08:00 PM |
| **Client:** | ENTACT | **Project:** | 540 Degraw St, Brooklyn, NY - E9309 |
| **Contact:** | Austin Farmerie | **Location:** | D41 |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q2301-03** | **WC-URBAN-FILL-C** | **TCLP** | | | **06/11/25** | | | **06/11/25** |
| | | | TCLP BNA | 8270E | | 06/13/25 | 06/14/25 | |

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# Hit Summary Sheet
**SW-846**

**SDG No.:** Q2301

**Client:** ENTACT

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


# QC SUMMARY

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# Surrogate Summary

**SW-846**

**SDG No.:** Q2301

**Client:** ENTACT

**Analytical Method:** 8270E

| Lab Sample ID | Client ID | Parameter | Spike (PPM) | Result (PPM) | Recovery (%) | Qual | Limits (%) Low | Limits (%) High |
|---|---|---|---|---|---|---|---|---|
| PB168428TB | PB168428TB | 2-Fluorophenol | 150 | 144 | 96 | | 15 (23) | 110 (138) |
| | | Phenol-d6 | 150 | 133 | 89 | | 15 (10) | 110 (134) |
| | | Nitrobenzene-d5 | 100 | 88.3 | 88 | | 30 (67) | 130 (132) |
| | | 2-Fluorobiphenyl | 100 | 88.5 | 89 | | 30 (52) | 130 (132) |
| | | 2,4,6-Tribromophenol | 150 | 142 | 95 | | 15 (44) | 110 (137) |
| | | Terphenyl-d14 | 100 | 87.4 | 87 | | 30 (42) | 130 (152) |
| PB168473BL | PB168473BL | 2-Fluorophenol | 150 | 155 | 104 | | 15 (23) | 110 (138) |
| | | Phenol-d6 | 150 | 144 | 96 | | 15 (10) | 110 (134) |
| | | Nitrobenzene-d5 | 100 | 94.6 | 95 | | 30 (67) | 130 (132) |
| | | 2-Fluorobiphenyl | 100 | 94.5 | 95 | | 30 (52) | 130 (132) |
| | | 2,4,6-Tribromophenol | 150 | 152 | 101 | | 15 (44) | 110 (137) |
| | | Terphenyl-d14 | 100 | 93.1 | 93 | | 30 (42) | 130 (152) |
| PB168473BS | PB168473BS | 2-Fluorophenol | 150 | 140 | 93 | | 15 (23) | 110 (138) |
| | | Phenol-d6 | 150 | 131 | 87 | | 15 (10) | 110 (134) |
| | | Nitrobenzene-d5 | 100 | 86.7 | 87 | | 30 (67) | 130 (132) |
| | | 2-Fluorobiphenyl | 100 | 83.2 | 83 | | 30 (52) | 130 (132) |
| | | 2,4,6-Tribromophenol | 150 | 140 | 93 | | 15 (44) | 110 (137) |
| | | Terphenyl-d14 | 100 | 87.3 | 87 | | 30 (42) | 130 (152) |
| Q2287-02MS | CONCRETE-SLABMS | 2-Fluorophenol | 150 | 133 | 89 | | 15 (23) | 110 (138) |
| | | Phenol-d6 | 150 | 119 | 79 | | 15 (10) | 110 (134) |
| | | Nitrobenzene-d5 | 100 | 87.6 | 88 | | 30 (67) | 130 (132) |
| | | 2-Fluorobiphenyl | 100 | 82.5 | 82 | | 30 (52) | 130 (132) |
| | | 2,4,6-Tribromophenol | 150 | 143 | 95 | | 15 (44) | 110 (137) |
| | | Terphenyl-d14 | 100 | 83.5 | 84 | | 30 (42) | 130 (152) |
| Q2287-02MSD | CONCRETE-SLABMSD | 2-Fluorophenol | 150 | 140 | 93 | | 15 (23) | 110 (138) |
| | | Phenol-d6 | 150 | 124 | 83 | | 15 (10) | 110 (134) |
| | | Nitrobenzene-d5 | 100 | 93.6 | 94 | | 30 (67) | 130 (132) |
| | | 2-Fluorobiphenyl | 100 | 90.3 | 90 | | 30 (52) | 130 (132) |
| | | 2,4,6-Tribromophenol | 150 | 155 | 103 | | 15 (44) | 110 (137) |
| | | Terphenyl-d14 | 100 | 91.8 | 92 | | 30 (42) | 130 (152) |
| Q2301-03 | WC-URBAN-FILL-C | 2-Fluorophenol | 150 | 160 | 107 | | 15 (23) | 110 (138) |
| | | Phenol-d6 | 150 | 139 | 93 | | 15 (10) | 110 (134) |
| | | Nitrobenzene-d5 | 100 | 107 | 107 | | 30 (67) | 130 (132) |
| | | 2-Fluorobiphenyl | 100 | 103 | 103 | | 30 (52) | 130 (132) |
| | | 2,4,6-Tribromophenol | 150 | 163 | 108 | | 15 (44) | 110 (137) |
| | | Terphenyl-d14 | 100 | 102 | 102 | | 30 (42) | 130 (152) |

( ) = LABORATORY INHOUSE LIMIT

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q2301

**Client:** ENTACT

**Analytical Method:** SW8270E

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: Q2287-02MS** | | **Client Sample ID: CONCRETE-SLABMS** | | | | | | **DataFile: BM050303.D** | | | |
| Pyridine | 500 | 0 | 320 | ug/L | 64 | | | | 20 (10) | 160 (109) | |
| 1,4-Dichlorobenzene | 500 | 0 | 420 | ug/L | 84 | | | | 70 (55) | 130 (125) | |
| 2-Methylphenol | 500 | 0 | 450 | ug/L | 90 | | | | 70 (60) | 130 (131) | |
| 3+4-Methylphenols | 500 | 0 | 450 | ug/L | 90 | | | | 20 (54) | 160 (136) | |
| Hexachloroethane | 500 | 0 | 440 | ug/L | 88 | | | | 20 (19) | 160 (146) | |
| Nitrobenzene | 500 | 0 | 500 | ug/L | 100 | | | | 70 (62) | 130 (112) | |
| Hexachlorobutadiene | 500 | 0 | 450 | ug/L | 90 | | | | 70 (52) | 130 (125) | |
| 2,4,6-Trichlorophenol | 500 | 0 | 500 | ug/L | 100 | | | | 70 (78) | 130 (112) | |
| 2,4,5-Trichlorophenol | 500 | 0 | 500 | ug/L | 100 | | | | 70 (71) | 130 (111) | |
| 2,4-Dinitrotoluene | 500 | 0 | 550 | ug/L | 110 | | | | 70 (74) | 130 (137) | |
| Hexachlorobenzene | 500 | 0 | 500 | ug/L | 100 | | | | 70 (72) | 130 (115) | |
| Pentachlorophenol | 1000 | 0 | 1100 | ug/L | 110 | | | | 20 (52) | 160 (162) | |

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## Matrix Spike/Matrix Spike Duplicate Summary

**SW-846**

**SDG No.:** Q2301

**Client:** ENTACT

**Analytical Method:** SW8270E

| Parameter | Spike | Sample Result | Result | Units | Rec | Rec Qual | RPD | RPD Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Lab Sample ID: Q2287-02MSD** | | **Client Sample ID: CONCRETE-SLABMSD** | | | | | | **DataFile: BM050304.D** | | | |
| Pyridine | 500 | 0 | 330 | ug/L | 66 | | 3 | | 20 (10) | 160 (109) | 20 (20) |
| 1,4-Dichlorobenzene | 500 | 0 | 460 | ug/L | 92 | | 9 | | 70 (55) | 130 (125) | 20 (20) |
| 2-Methylphenol | 500 | 0 | 480 | ug/L | 96 | | 6 | | 70 (60) | 130 (131) | 20 (20) |
| 3+4-Methylphenols | 500 | 0 | 470 | ug/L | 94 | | 4 | | 20 (54) | 160 (136) | 20 (20) |
| Hexachloroethane | 500 | 0 | 470 | ug/L | 94 | | 7 | | 20 (19) | 160 (146) | 20 (20) |
| Nitrobenzene | 500 | 0 | 540 | ug/L | 108 | | 8 | | 70 (62) | 130 (112) | 20 (20) |
| Hexachlorobutadiene | 500 | 0 | 510 | ug/L | 102 | | 13 | | 70 (52) | 130 (125) | 20 (20) |
| 2,4,6-Trichlorophenol | 500 | 0 | 550 | ug/L | 110 | | 10 | | 70 (78) | 130 (112) | 20 (20) |
| 2,4,5-Trichlorophenol | 500 | 0 | 540 | ug/L | 108 | | 8 | | 70 (71) | 130 (111) | 20 (20) |
| 2,4-Dinitrotoluene | 500 | 0 | 570 | ug/L | 114 | | 4 | | 70 (74) | 130 (137) | 20 (20) |
| Hexachlorobenzene | 500 | 0 | 550 | ug/L | 110 | | 10 | | 70 (72) | 130 (115) | 20 (20) |
| Pentachlorophenol | 1000 | 0 | 1100 | ug/L | 110 | | 0 | | 20 (52) | 160 (162) | 20 (20) |

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# Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q2301

**Client:** ENTACT

**Analytical Method:** 8270E **DataFile:** BM050316.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | RPD Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PB168473BS | Pyridine | 50 | 42.5 | ug/L | 85 | | | | 20 (29) | 160 (97) | |
| | 1,4-Dichlorobenzene | 50 | 45.5 | ug/L | 91 | | | | 70 (76) | 130 (103) | |
| | 2-Methylphenol | 50 | 46.1 | ug/L | 92 | | | | 70 (69) | 130 (109) | |
| | 3+4-Methylphenols | 50 | 45.3 | ug/L | 91 | | | | 20 (67) | 160 (106) | |
| | Hexachloroethane | 50 | 48.5 | ug/L | 97 | | | | 20 (76) | 160 (118) | |
| | Nitrobenzene | 50 | 50.6 | ug/L | 101 | | | | 70 (58) | 130 (106) | |
| | Hexachlorobutadiene | 50 | 47.3 | ug/L | 95 | | | | 70 (69) | 130 (101) | |
| | 2,4,6-Trichlorophenol | 50 | 49.3 | ug/L | 99 | | | | 70 (61) | 130 (110) | |
| | 2,4,5-Trichlorophenol | 50 | 48.6 | ug/L | 97 | | | | 70 (70) | 130 (106) | |
| | 2,4-Dinitrotoluene | 50 | 52.0 | ug/L | 104 | | | | 70 (60) | 130 (115) | |
| | Hexachlorobenzene | 50 | 50.8 | ug/L | 102 | | | | 70 (73) | 130 (106) | |
| | Pentachlorophenol | 100 | 110 | ug/L | 110 | | | | 20 (47) | 160 (114) | |

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4B

# SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168473BL

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2301 SAS No.: Q2301 SDG NO.: Q2301

Lab File ID: BM050315.D Lab Sample ID: PB168473BL

Instrument ID: BNA_M Date Extracted: 06/13/2025

Matrix: (soil/water) water Date Analyzed: 06/14/2025

Level: (low/med) LOW Time Analyzed: 01:41

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| CONCRETE-SLABMS | Q2287-02MS | BM050303.D | 06/13/2025 |
| CONCRETE-SLABMSD | Q2287-02MSD | BM050304.D | 06/13/2025 |
| PB168473BS | PB168473BS | BM050316.D | 06/14/2025 |
| WC-URBAN-FILL-C | Q2301-03 | BM050318.D | 06/14/2025 |
| PB168428TB | PB168428TB | BM050317.D | 06/14/2025 |

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM SAS No.: Q2301 SDG NO.: Q2301

Lab File ID: BM050193.D DFTPP Injection Date: 06/05/2025

Instrument ID: BNA_M DFTPP Injection Time: 08:40

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 20.3 |
| 68 | Less than 2.0% of mass 69 | 0.6 ( 1.6 ) 1 |
| 69 | Mass 69 relative abundance | 37.2 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.6 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 47.5 |
| 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 | 7 |
| 275 | 10.0 - 60.0% of mass 198 | 24.6 |
| 365 | Greater than 1% of mass 198 | 3.2 |
| 441 | Present, but less than mass 443 | 11.6 |
| 442 | Greater than 50% of mass 198 | 74.4 |
| 443 | 15.0 - 24.0% of mass 442 | 14.8 (19.9) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDICC2.5 | SSTDICC2.5 | BM050194.D | 06/05/2025 | 09:20 |
| SSTDICC005 | SSTDICC005 | BM050195.D | 06/05/2025 | 09:59 |
| SSTDICC010 | SSTDICC010 | BM050196.D | 06/05/2025 | 10:38 |
| SSTDICC020 | SSTDICC020 | BM050197.D | 06/05/2025 | 11:17 |
| SSTDICCC040 | SSTDICCC040 | BM050198.D | 06/05/2025 | 11:57 |
| SSTDICC050 | SSTDICC050 | BM050199.D | 06/05/2025 | 12:36 |
| SSTDICC060 | SSTDICC060 | BM050200.D | 06/05/2025 | 13:16 |
| SSTDICC080 | SSTDICC080 | BM050201.D | 06/05/2025 | 13:56 |

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM SAS No.: Q2301 SDG NO.: Q2301

Lab File ID: BM050299.D DFTPP Injection Date: 06/13/2025

Instrument ID: BNA_M DFTPP Injection Time: 13:06

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 19.8 |
| 68 | Less than 2.0% of mass 69 | 0.6 ( 1.6 ) 1 |
| 69 | Mass 69 relative abundance | 36.2 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.5 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 46.3 |
| 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 | 25.3 |
| 365 | Greater than 1% of mass 198 | 3.4 |
| 441 | Present, but less than mass 443 | 12.7 |
| 442 | Greater than 50% of mass 198 | 82.4 |
| 443 | 15.0 - 24.0% of mass 442 | 15.9 (19.3) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BM050300.D | 06/13/2025 | 13:56 |
| CONCRETE-SLABMS | Q2287-02MS | BM050303.D | 06/13/2025 | 17:10 |
| CONCRETE-SLABMSD | Q2287-02MSD | BM050304.D | 06/13/2025 | 17:50 |

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**5B**

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

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM SAS No.: Q2301 SDG NO.: Q2301

Lab File ID: BM050313.D DFTPP Injection Date: 06/14/2025

Instrument ID: BNA_M DFTPP Injection Time: 00:22

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 51 | 10.0 - 80.0% of mass 198 | 21.2 |
| 68 | Less than 2.0% of mass 69 | 0.6 ( 1.6 ) 1 |
| 69 | Mass 69 relative abundance | 40.2 |
| 70 | Less than 2.0% of mass 69 | 0.2 ( 0.5 ) 1 |
| 127 | 10.0 - 80.0% of mass 198 | 48.9 |
| 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 | 6.6 |
| 275 | 10.0 - 60.0% of mass 198 | 25.5 |
| 365 | Greater than 1% of mass 198 | 3.6 |
| 441 | Present, but less than mass 443 | 12.7 |
| 442 | Greater than 50% of mass 198 | 81.6 |
| 443 | 15.0 - 24.0% of mass 442 | 15.6 (19.2) 2 |

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

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| SSTDCCC040 | SSTDCCC040 | BM050314.D | 06/14/2025 | 01:01 |
| PB168473BL | PB168473BL | BM050315.D | 06/14/2025 | 01:41 |
| PB168473BS | PB168473BS | BM050316.D | 06/14/2025 | 02:21 |
| PB168428TB | PB168428TB | BM050317.D | 06/14/2025 | 03:00 |
| WC-URBAN-FILL-C | Q2301-03 | BM050318.D | 06/14/2025 | 03:40 |

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2301 SAS No.: Q2301 SDG NO.: Q2301

EPA Sample No.: SSTDICCC040 Date Analyzed: 06/05/2025

Lab File ID: BM050198.D Time Analyzed: 11:57

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 | 308806 | 7.793 | 1316350 | 10.58 | 819036 | 14.42 |
| | UPPER LIMIT | 617612 | 8.293 | 2632700 | 11.075 | 1638070 | 14.916 |
| | LOWER LIMIT | 154403 | 7.293 | 658175 | 10.075 | 409518 | 13.916 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | CONCRETE-SLABMS | 429386 | 7.76 | 1666090 | 10.55 | 945863 | 14.39 |
| 02 | CONCRETE-SLABMSD | 421105 | 7.76 | 1599280 | 10.55 | 894516 | 14.39 |
| 03 | PB168428TB | 427909 | 7.76 | 1575830 | 10.55 | 855467 | 14.39 |
| 04 | PB168473BL | 409459 | 7.76 | 1522100 | 10.55 | 824447 | 14.39 |
| 05 | PB168473BS | 445397 | 7.76 | 1717060 | 10.55 | 940759 | 14.39 |
| 06 | WC-URBAN-FILL-C | 365030 | 7.76 | 1367330 | 10.55 | 730437 | 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.: Q2301 SAS No.: Q2301 SDG NO.: Q2301

EPA Sample No.: SSTDICCC040 Date Analyzed: 06/05/2025

Lab File ID: BM050198.D Time Analyzed: 11:57

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 | 1590670 | 17.151 | 1484490 | 21.386 | 1410380 | 24.374 |
| | UPPER LIMIT | 3181340 | 17.651 | 2968980 | 21.886 | 2820760 | 24.874 |
| | LOWER LIMIT | 795335 | 16.651 | 742245 | 20.886 | 705190 | 23.874 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | CONCRETE-SLABMS | 1739030 | 17.13 | 1815990 | 21.36 | 1991780 | 24.33 |
| 02 | CONCRETE-SLABMSD | 1607220 | 17.13 | 1602420 | 21.36 | 1717880 | 24.33 |
| 03 | PB168428TB | 1557190 | 17.13 | 1581820 | 21.36 | 1677030 | 24.32 |
| 04 | PB168473BL | 1500530 | 17.13 | 1532090 | 21.36 | 1617130 | 24.33 |
| 05 | PB168473BS | 1652100 | 17.13 | 1607880 | 21.36 | 1691580 | 24.33 |
| 06 | WC-URBAN-FILL-C | 1329060 | 17.13 | 1333430 | 21.36 | 1403420 | 24.32 |

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.

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2301 SAS No.: Q2301 SDG NO.: Q2301

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/13/2025

Lab File ID: BM050300.D Time Analyzed: 13:56

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 | 431593 | 7.763 | 1716350 | 10.55 | 988714 | 14.39 |
| | UPPER LIMIT | 863186 | 8.263 | 3432700 | 11.051 | 1977430 | 14.892 |
| | LOWER LIMIT | 215797 | 7.263 | 858175 | 10.051 | 494357 | 13.892 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | CONCRETE-SLABMS | 429386 | 7.76 | 1666090 | 10.55 | 945863 | 14.39 |
| 02 | CONCRETE-SLABMSD | 421105 | 7.76 | 1599280 | 10.55 | 894516 | 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.: Q2301 SAS No.: Q2301 SDG NO.: Q2301

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/13/2025

Lab File ID: BM050300.D Time Analyzed: 13:56

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 | 1860230 | 17.133 | 1945670 | 21.362 | 2093160 | 24.333 |
| | UPPER LIMIT | 3720460 | 17.633 | 3891340 | 21.862 | 4186320 | 24.833 |
| | LOWER LIMIT | 930115 | 16.633 | 972835 | 20.862 | 1046580 | 23.833 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | CONCRETE-SLABMS | 1739030 | 17.13 | 1815990 | 21.36 | 1991780 | 24.33 |
| 02 | CONCRETE-SLABMSD | 1607220 | 17.13 | 1602420 | 21.36 | 1717880 | 24.33 |

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.: Q2301 SAS No.: Q2301 SDG NO.: Q2301

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/14/2025

Lab File ID: BM050314.D Time Analyzed: 01:01

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 | 461796 | 7.763 | 1832640 | 10.55 | 1033250 | 14.39 |
| | UPPER LIMIT | 923592 | 8.263 | 3665280 | 11.051 | 2066500 | 14.892 |
| | LOWER LIMIT | 230898 | 7.263 | 916320 | 10.051 | 516625 | 13.892 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | WC-URBAN-FILL-C | 365030 | 7.76 | 1367330 | 10.55 | 730437 | 14.39 |
| 02 | PB168428TB | 427909 | 7.76 | 1575830 | 10.55 | 855467 | 14.39 |
| 03 | PB168473BL | 409459 | 7.76 | 1522100 | 10.55 | 824447 | 14.39 |
| 04 | PB168473BS | 445397 | 7.76 | 1717060 | 10.55 | 940759 | 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.: Q2301 SAS No.: Q2301 SDG NO.: Q2301

EPA Sample No.: SSTDCCC040 Date Analyzed: 06/14/2025

Lab File ID: BM050314.D Time Analyzed: 01:01

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 | 1896530 | 17.127 | 1997480 | 21.356 | 2122630 | 24.327 |
| | UPPER LIMIT | 3793060 | 17.627 | 3994960 | 21.856 | 4245260 | 24.827 |
| | LOWER LIMIT | 948265 | 16.627 | 998740 | 20.856 | 1061320 | 23.827 |
| | EPA SAMPLE NO. | | | | | | |
| 01 | WC-URBAN-FILL-C | 1329060 | 17.13 | 1333430 | 21.36 | 1403420 | 24.32 |
| 02 | PB168428TB | 1557190 | 17.13 | 1581820 | 21.36 | 1677030 | 24.32 |
| 03 | PB168473BL | 1500530 | 17.13 | 1532090 | 21.36 | 1617130 | 24.33 |
| 04 | PB168473BS | 1652100 | 17.13 | 1607880 | 21.36 | 1691580 | 24.33 |

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

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

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


# SAMPLE DATA

Raw Data: **BM050317.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | ENTACT | Date Collected: | 06/13/25 |
| Project: | 540 Degraw St, Brooklyn, NY - E9309 | Date Received: | 06/13/25 |
| Client Sample ID: | PB168428TB | SDG No.: | Q2301 |
| Lab Sample ID: | PB168428TB | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050317.D | 1 | 06/13/25 11:20 | 06/14/25 03:00 | PB168473 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 0.013 | U | 0.013 | 0.050 | mg/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0053 | U | 0.0053 | 0.050 | mg/L |
| 95-48-7 | 2-Methylphenol | 0.011 | U | 0.011 | 0.050 | mg/L |
| 65794-96-9 | 3+4-Methylphenols | 0.011 | U | 0.011 | 0.10 | mg/L |
| 67-72-1 | Hexachloroethane | 0.0065 | U | 0.0065 | 0.050 | mg/L |
| 98-95-3 | Nitrobenzene | 0.0076 | U | 0.0076 | 0.050 | mg/L |
| 87-68-3 | Hexachlorobutadiene | 0.0054 | U | 0.0054 | 0.050 | mg/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 0.0051 | U | 0.0051 | 0.050 | mg/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 0.0062 | U | 0.0062 | 0.050 | mg/L |
| 121-14-2 | 2,4-Dinitrotoluene | 0.012 | U | 0.012 | 0.050 | mg/L |
| 118-74-1 | Hexachlorobenzene | 0.0052 | U | 0.0052 | 0.050 | mg/L |
| 87-86-5 | Pentachlorophenol | 0.016 | U | 0.016 | 0.10 | mg/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 144 | | 15 (23) - 110 (138) | 96% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 133 | | 15 (10) - 110 (134) | 89% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 88.3 | | 30 (67) - 130 (132) | 88% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 88.5 | | 30 (52) - 130 (132) | 89% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 142 | | 15 (44) - 110 (137) | 95% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 87.4 | | 30 (42) - 130 (152) | 87% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 428000 | 7.763 | | | |
| 1146-65-2 | Naphthalene-d8 | 1580000 | 10.545 | | | |
| 15067-26-2 | Acenaphthene-d10 | 855000 | 14.392 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1560000 | 17.127 | | | |
| 1719-03-5 | Chrysene-d12 | 1580000 | 21.356 | | | |
| 1520-96-3 | Perylene-d12 | 1680000 | 24.321 | | | |

Raw Data: **BM050317.D**

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Fax : 908 789 8922

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | ENTACT | | | Date Collected: | 06/13/25 |
| Project: | 540 Degraw St, Brooklyn, NY - E9309 | | | Date Received: | 06/13/25 |
| Client Sample ID: | PB168428TB | | | SDG No.: | Q2301 |
| Lab Sample ID: | PB168428TB | | | Matrix: | TCLP |
| Analytical Method: | 8270E | | | % Solid: | 0 |
| Sample Wt/Vol: | 100 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | TCLP BNA |
| Extraction Type : | | | Decanted : N | Level : | LOW |
| Injection Volume : | | | GPC Factor : 1.0 | GPC Cleanup : N | PH : |
| Prep Method : | SW3541 | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050317.D | 1 | 06/13/25 11:20 | 06/14/25 03:00 | PB168473 |

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

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050317.D
Acq On : 14 Jun 2025 03:00
Operator : RC/JU
Sample : PB168428TB
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB168428TB

Quant Time: Jun 14 04:28:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

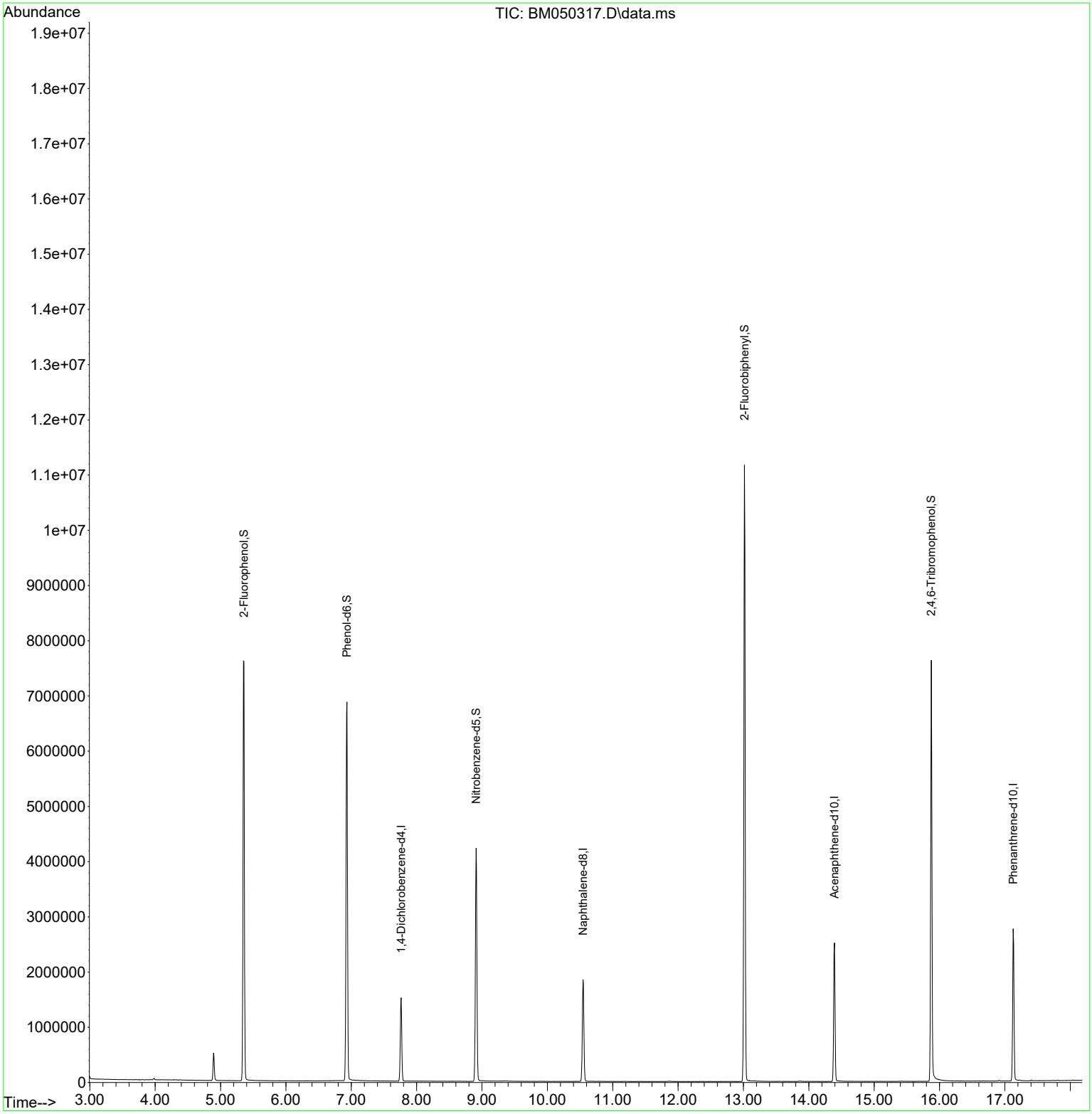
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.763 | 152 | 427909 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.545 | 136 | 1575829 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 14.392 | 164 | 855467 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.127 | 188 | 1557192 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 21.356 | 240 | 1581816 | 20.000 | ng | -0.02 |
| 86) Perylene-d12 | 24.321 | 264 | 1677028 | 20.000 | ng | -0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.357 | 112 | 3698811 | 144.193 | ng | 0.00 |
| 7) Phenol-d6 | 6.934 | 99 | 4492289 | 133.033 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.910 | 82 | 2676296 | 88.328 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.874 | 330 | 1383440 | 142.178 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 5595242 | 88.550 | ng | -0.01 |
| 79) Terphenyl-d14 | 19.757 | 244 | 7293777 | 87.380 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050317.D
Acq On : 14 Jun 2025 03:00
Operator : RC/JU
Sample : PB168428TB
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB168428TB

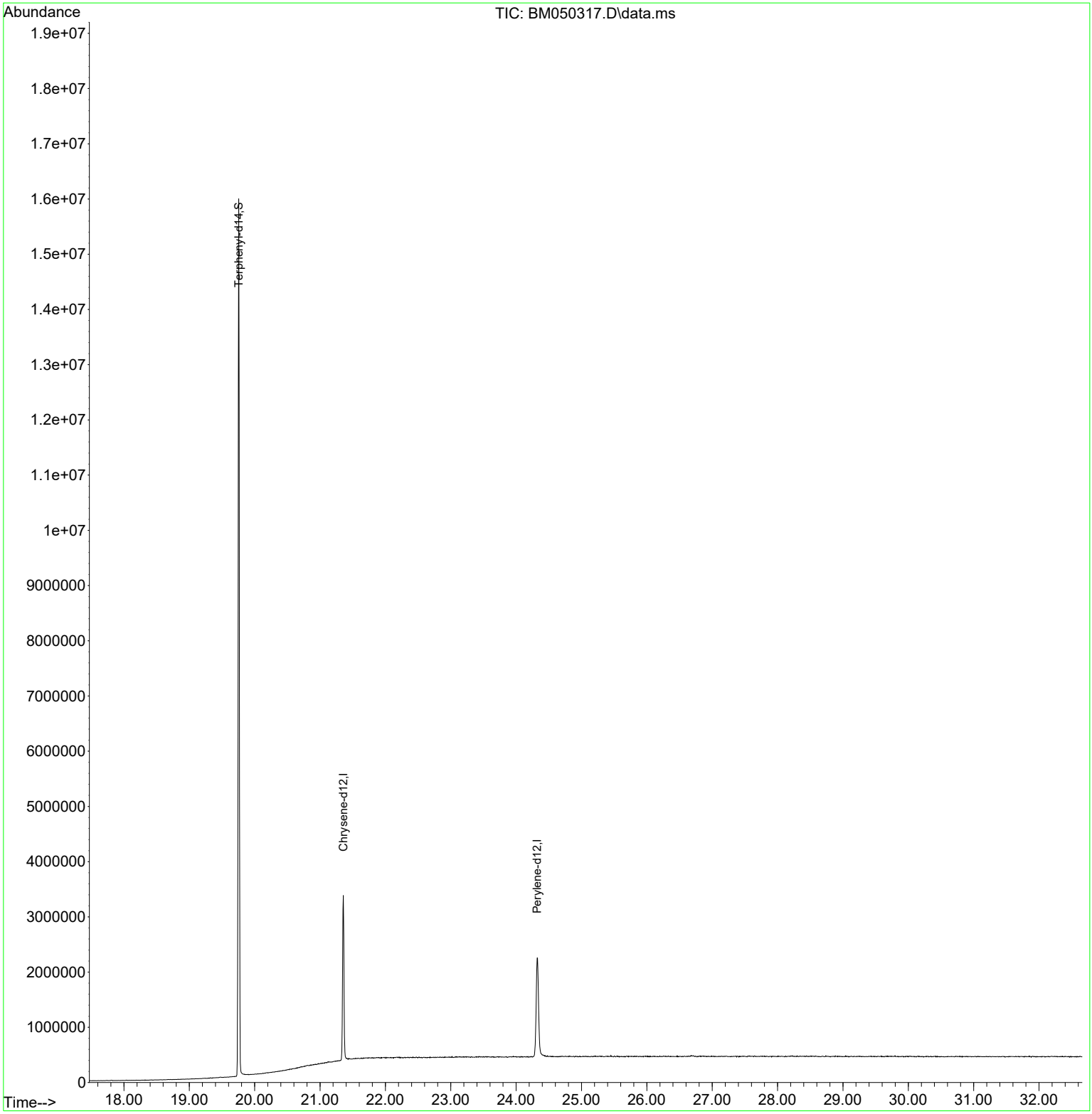
Quant Time: Jun 14 04:28:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

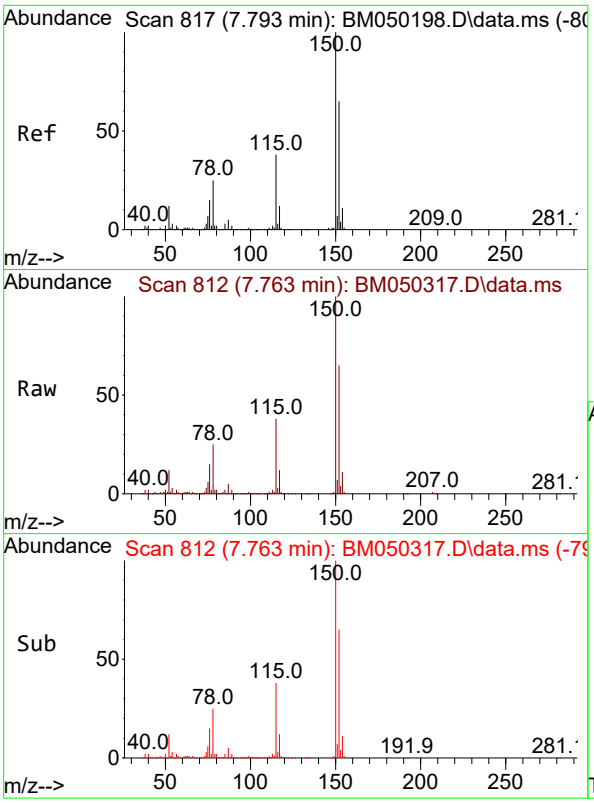


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050317.D
Acq On : 14 Jun 2025 03:00
Operator : RC/JU
Sample : PB168428TB
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB168428TB

Quant Time: Jun 14 04:28:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration



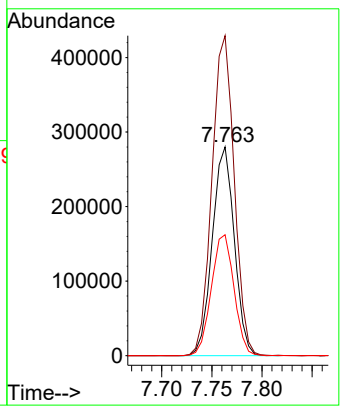


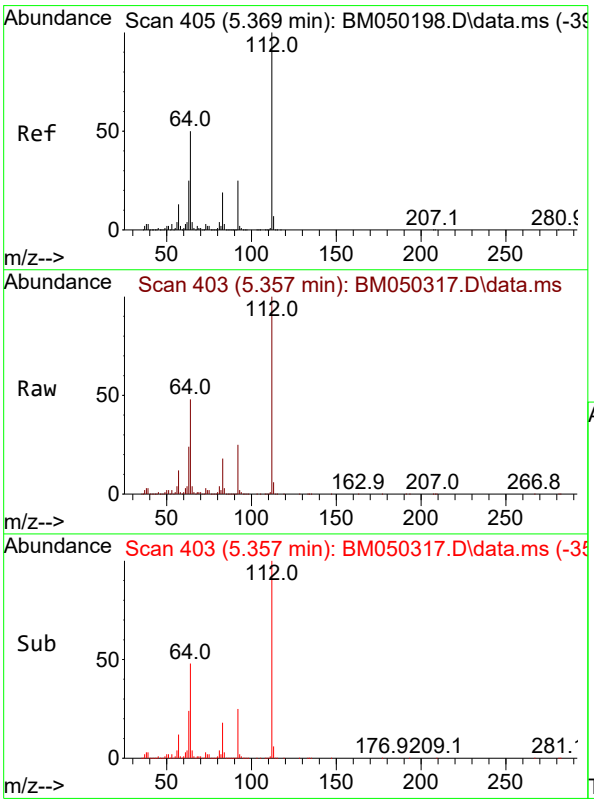

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050317.D
Acq: 14 Jun 2025 03:00

**Instrument :**
BNA_M
**ClientSampleId :**
PB168428TB

Tgt Ion:152 Resp: 427909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.3 | 122.2 | 183.4 |
| 115 | 57.9 | 46.3 | 69.5 |

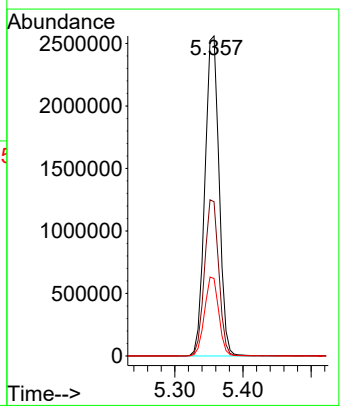


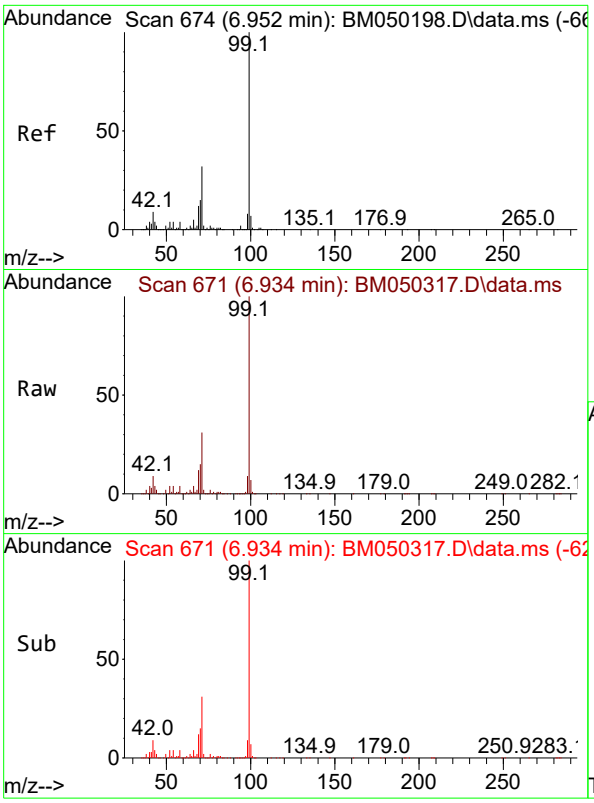




#5
2-Fluorophenol
Concen: 144.193 ng
RT: 5.357 min Scan# 403
Delta R.T. 0.000 min
Lab File: BM050317.D
Acq: 14 Jun 2025 03:00

Tgt Ion:112 Resp: 3698811

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 48.2 | 39.8 | 59.6 |
| 63 | 24.2 | 19.8 | 29.8 |



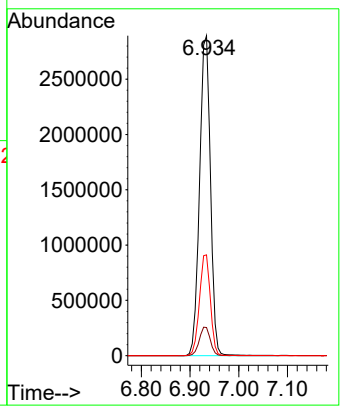


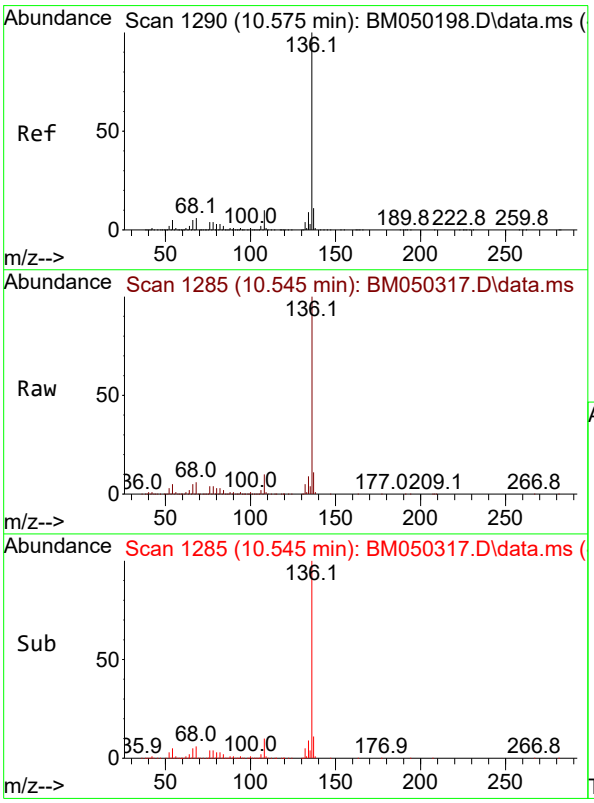

#7
Phenol-d6
Concen: 133.033 ng
RT: 6.934 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050317.D
Acq: 14 Jun 2025 03:00

**Instrument :**
BNA_M
**ClientSampleId :**
PB168428TB

Tgt Ion: 99 Resp: 4492289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 8.8 | 6.9 | 10.3 |
| 71 | 31.5 | 25.3 | 37.9 |

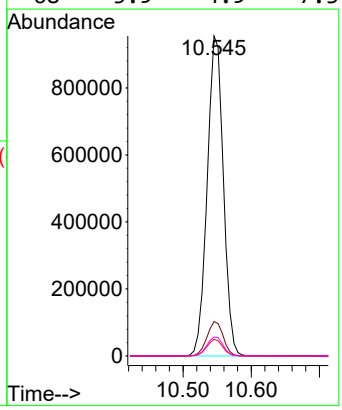


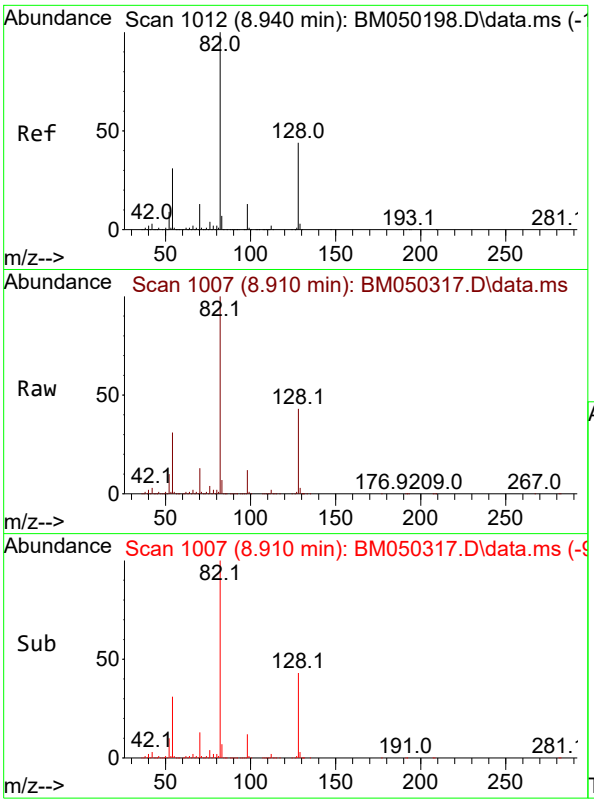




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.545 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BM050317.D
Acq: 14 Jun 2025 03:00

Tgt Ion:136 Resp: 1575829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.6 | 13.0 |
| 54 | 5.2 | 3.8 | 5.8 |
| 68 | 5.9 | 4.9 | 7.3 |



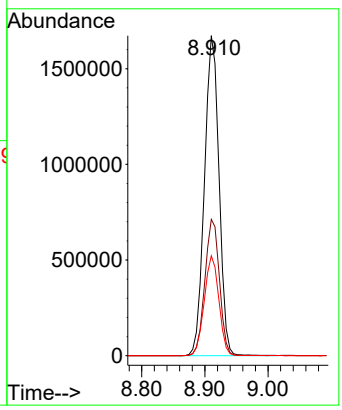


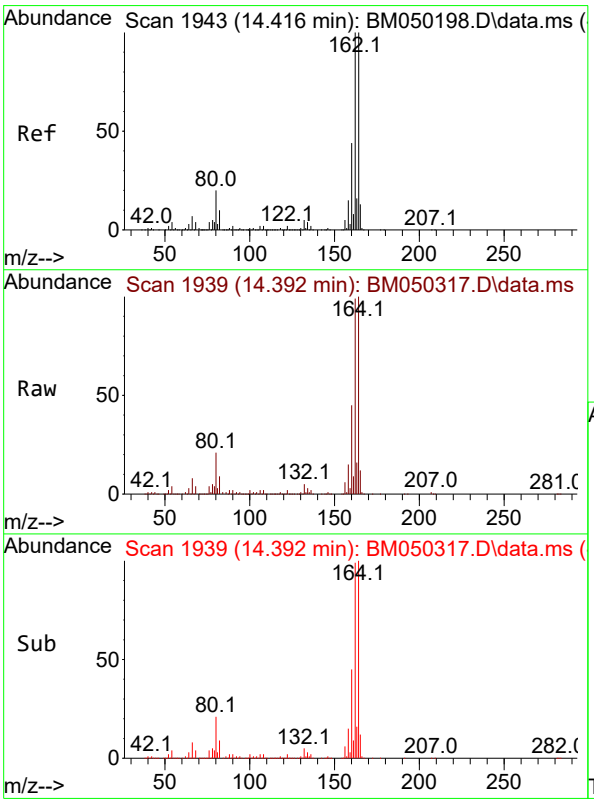

#23
Nitrobenzene-d5
Concen: 88.328 ng
RT: 8.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050317.D
Acq: 14 Jun 2025 03:00

**Instrument :**
BNA_M
**ClientSampleId :**
PB168428TB

Tgt Ion: 82 Resp: 2676296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.6 | 35.2 | 52.8 |
| 54 | 31.2 | 24.5 | 36.7 |

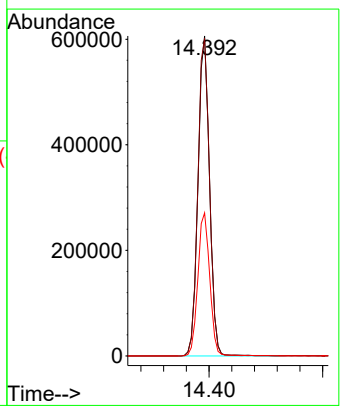


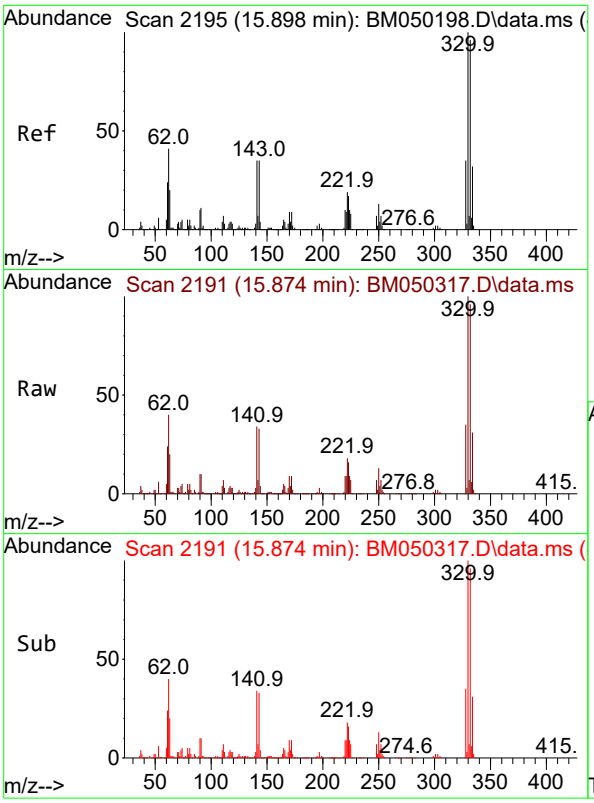




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM050317.D
Acq: 14 Jun 2025 03:00

Tgt Ion:164 Resp: 855467

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.2 | 80.2 | 120.4 |
| 160 | 44.7 | 35.7 | 53.5 |



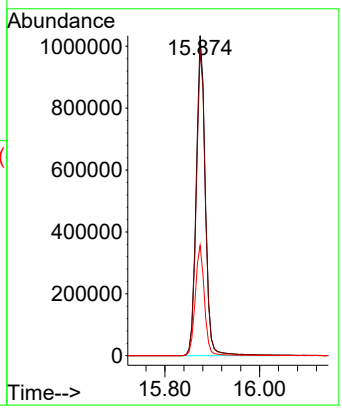


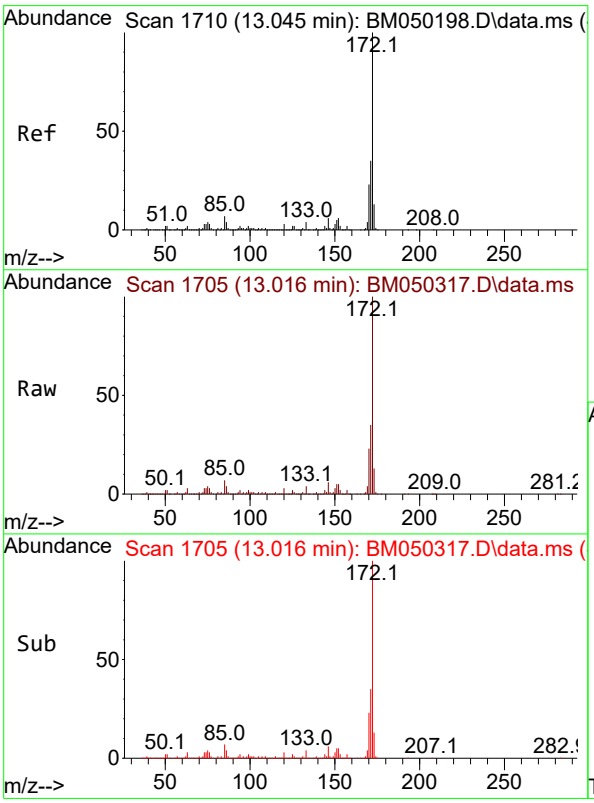

#42
2,4,6-Tribromophenol
Concen: 142.178 ng
RT: 15.874 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050317.D
Acq: 14 Jun 2025 03:00

**Instrument :**
BNA_M
**ClientSampleId :**
PB168428TB

Tgt Ion:330 Resp: 1383440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.1 | 77.5 | 116.3 |
| 141 | 34.6 | 28.8 | 43.2 |

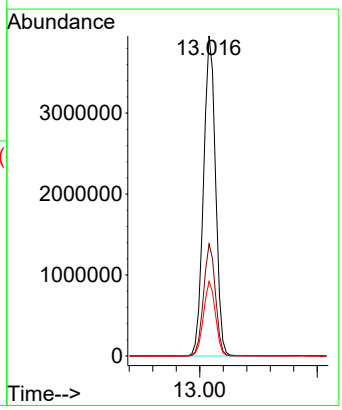


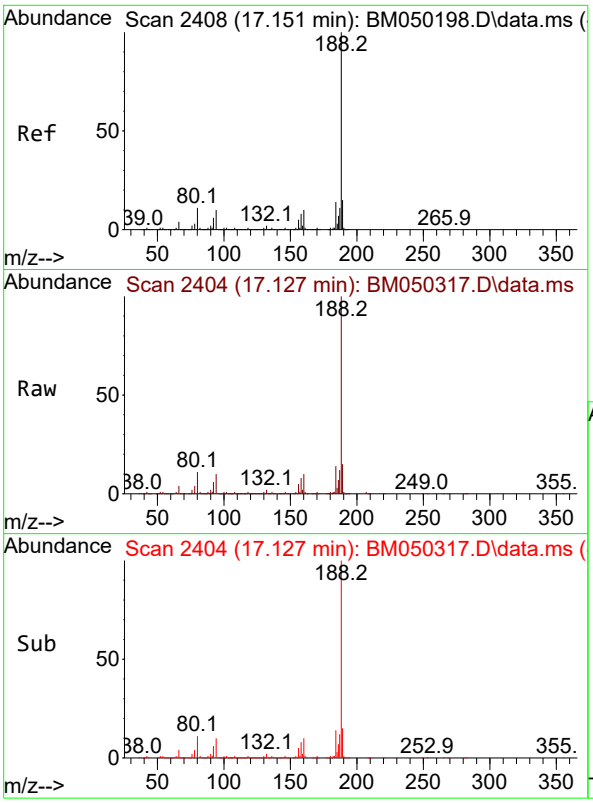




#45
2-Fluorobiphenyl
Concen: 88.550 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.012 min
Lab File: BM050317.D
Acq: 14 Jun 2025 03:00

Tgt Ion:172 Resp: 5595242

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.0 | 27.8 | 41.6 |
| 170 | 23.3 | 18.6 | 27.8 |



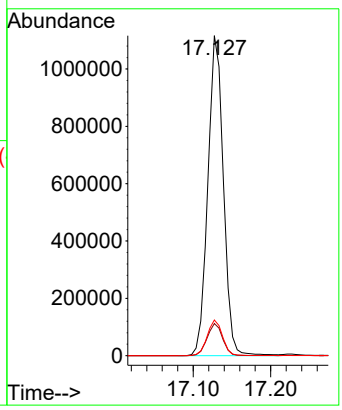


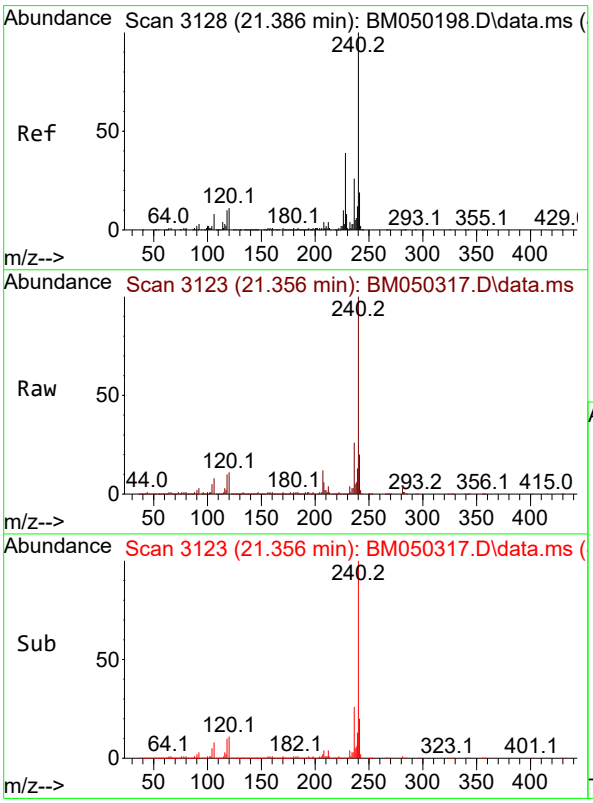

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.127 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM050317.D
Acq: 14 Jun 2025 03:00

**Instrument :**
BNA_M
**ClientSampleId :**
PB168428TB

Tgt Ion:188 Resp: 1557192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.0 | 8.1 | 12.1 |
| 80 | 11.1 | 8.6 | 13.0 |

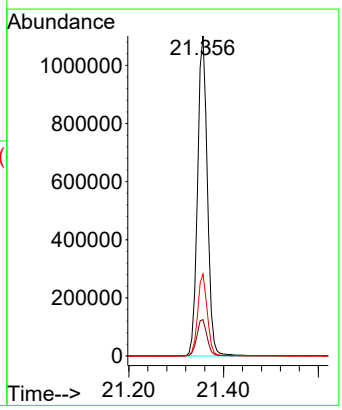


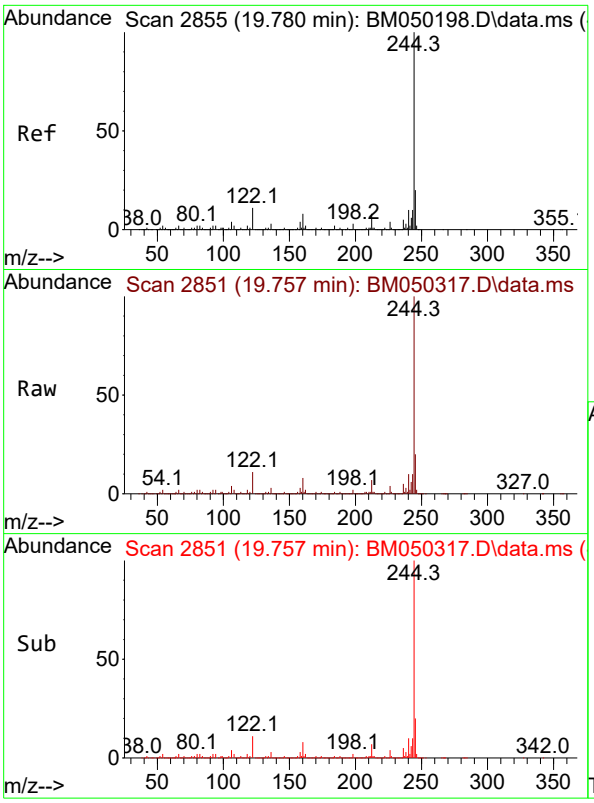




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.356 min Scan# 3123
Delta R.T. -0.017 min
Lab File: BM050317.D
Acq: 14 Jun 2025 03:00

Tgt Ion:240 Resp: 1581816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.4 | 9.0 | 13.4 |
| 236 | 25.6 | 20.7 | 31.1 |



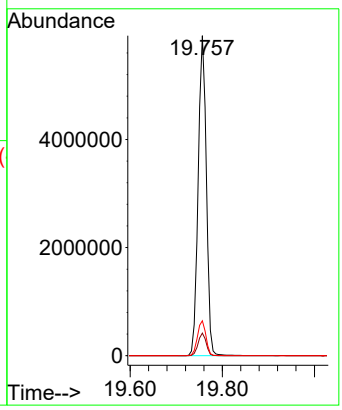


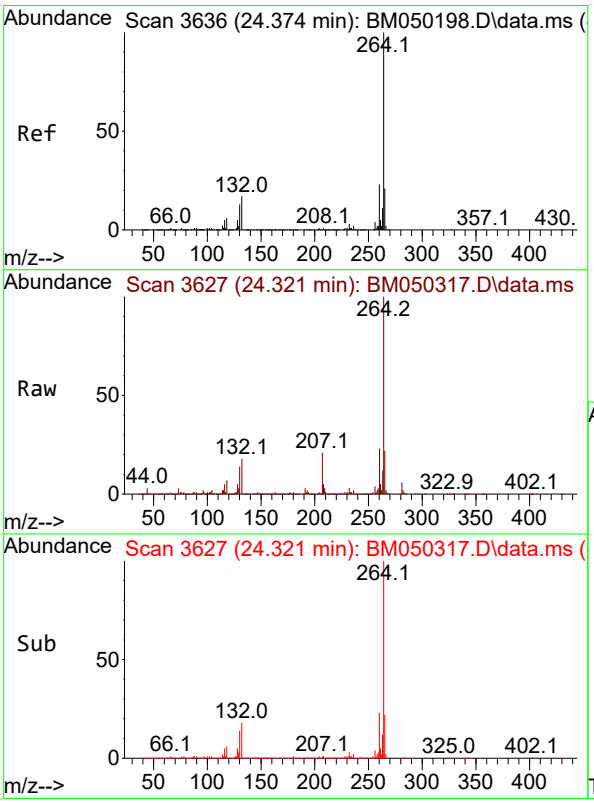

#79
Terphenyl-d14
Concen: 87.380 ng
RT: 19.757 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050317.D
Acq: 14 Jun 2025 03:00

**Instrument :**
BNA_M
**ClientSampleId :**
PB168428TB

Tgt Ion:244 Resp: 7293777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 6.0 | 9.0 |
| 122 | 10.9 | 8.6 | 12.8 |

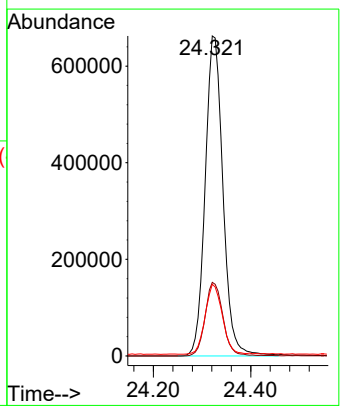



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.321 min Scan# 3627
Delta R.T. -0.023 min
Lab File: BM050317.D
Acq: 14 Jun 2025 03:00

Tgt Ion:264 Resp: 1677028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.0 | 18.6 | 28.0 |
| 265 | 22.4 | 16.8 | 25.2 |



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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | ENTACT | Date Collected: | 06/11/25 |
| Project: | 540 Degraw St, Brooklyn, NY - E9309 | Date Received: | 06/11/25 |
| Client Sample ID: | WC-URBAN-FILL-C | SDG No.: | Q2301 |
| Lab Sample ID: | Q2301-03 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050318.D | 1 | 06/13/25 11:20 | 06/14/25 03:40 | PB168473 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 0.013 | U | 0.013 | 0.050 | mg/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.0053 | U | 0.0053 | 0.050 | mg/L |
| 95-48-7 | 2-Methylphenol | 0.011 | U | 0.011 | 0.050 | mg/L |
| 65794-96-9 | 3+4-Methylphenols | 0.011 | U | 0.011 | 0.10 | mg/L |
| 67-72-1 | Hexachloroethane | 0.0065 | U | 0.0065 | 0.050 | mg/L |
| 98-95-3 | Nitrobenzene | 0.0076 | U | 0.0076 | 0.050 | mg/L |
| 87-68-3 | Hexachlorobutadiene | 0.0054 | U | 0.0054 | 0.050 | mg/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 0.0051 | U | 0.0051 | 0.050 | mg/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 0.0062 | U | 0.0062 | 0.050 | mg/L |
| 121-14-2 | 2,4-Dinitrotoluene | 0.012 | U | 0.012 | 0.050 | mg/L |
| 118-74-1 | Hexachlorobenzene | 0.0052 | U | 0.0052 | 0.050 | mg/L |
| 87-86-5 | Pentachlorophenol | 0.016 | U | 0.016 | 0.10 | mg/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 160 | | 15 (23) - 110 (138) | 107% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 139 | | 15 (10) - 110 (134) | 93% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 107 | | 30 (67) - 130 (132) | 107% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 103 | | 30 (52) - 130 (132) | 103% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 163 | | 15 (44) - 110 (137) | 108% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 102 | | 30 (42) - 130 (152) | 102% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 365000 | 7.763 | | | |
| 1146-65-2 | Naphthalene-d8 | 1370000 | 10.545 | | | |
| 15067-26-2 | Acenaphthene-d10 | 730000 | 14.392 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1330000 | 17.127 | | | |
| 1719-03-5 | Chrysene-d12 | 1330000 | 21.356 | | | |
| 1520-96-3 | Perylene-d12 | 1400000 | 24.321 | | | |

Raw Data: **BM050318.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | ENTACT | Date Collected: | 06/11/25 |
| Project: | 540 Degraw St, Brooklyn, NY - E9309 | Date Received: | 06/11/25 |
| Client Sample ID: | WC-URBAN-FILL-C | SDG No.: | Q2301 |
| Lab Sample ID: | Q2301-03 | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| Extraction Type : | Decanted : N | Level : | LOW |
| Injection Volume : | GPC Factor : 1.0 | GPC Cleanup : | N PH : |
| Prep Method : | SW3541 | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| BM050318.D | 1 | 06/13/25 11:20 | 06/14/25 03:40 | PB168473 |

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

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050318.D
Acq On : 14 Jun 2025 03:40
Operator : RC/JU
Sample : Q2301-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
WC-URBAN-FILL-C

Quant Time: Jun 14 04:28:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

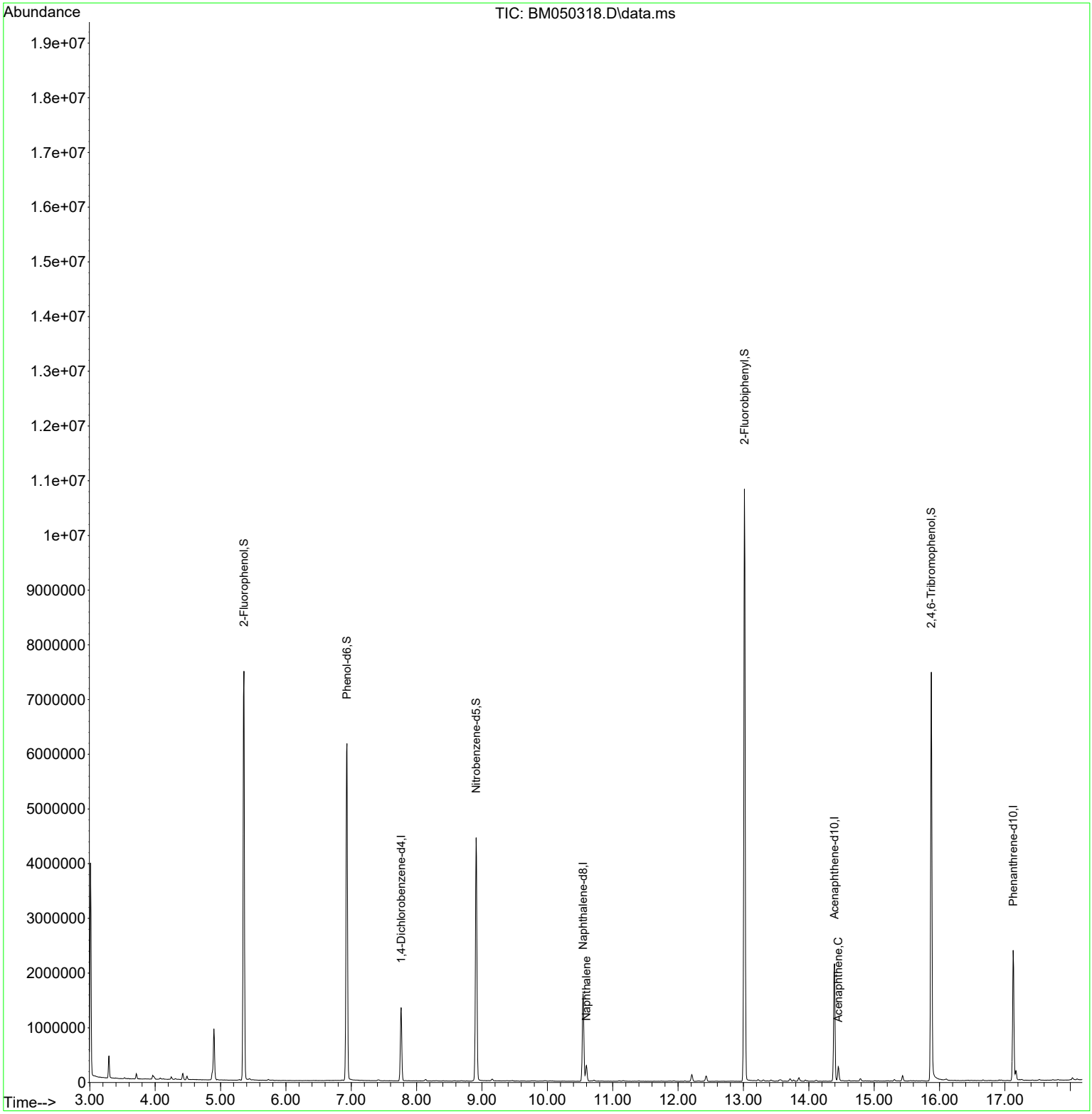
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.763 | 152 | 365030 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.545 | 136 | 1367333 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 14.392 | 164 | 730437 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.127 | 188 | 1329061 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 21.356 | 240 | 1333433 | 20.000 | ng | -0.02 |
| 86) Perylene-d12 | 24.321 | 264 | 1403419 | 20.000 | ng | -0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.357 | 112 | 3510429 | 160.422 | ng | 0.00 |
| 7) Phenol-d6 | 6.934 | 99 | 4011894 | 139.272 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.910 | 82 | 2810169 | 106.888 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.874 | 330 | 1350757 | 162.581 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 5544528 | 102.767 | ng | -0.01 |
| 79) Terphenyl-d14 | 19.756 | 244 | 7199245 | 102.313 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 31) Naphthalene | 10.598 | 128 | 241099 | 3.410 | ng | 99 |
| 52) Acenaphthene | 14.451 | 154 | 88016 | 2.046 | ng | 93 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050318.D
Acq On : 14 Jun 2025 03:40
Operator : RC/JU
Sample : Q2301-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
WC-URBAN-FILL-C

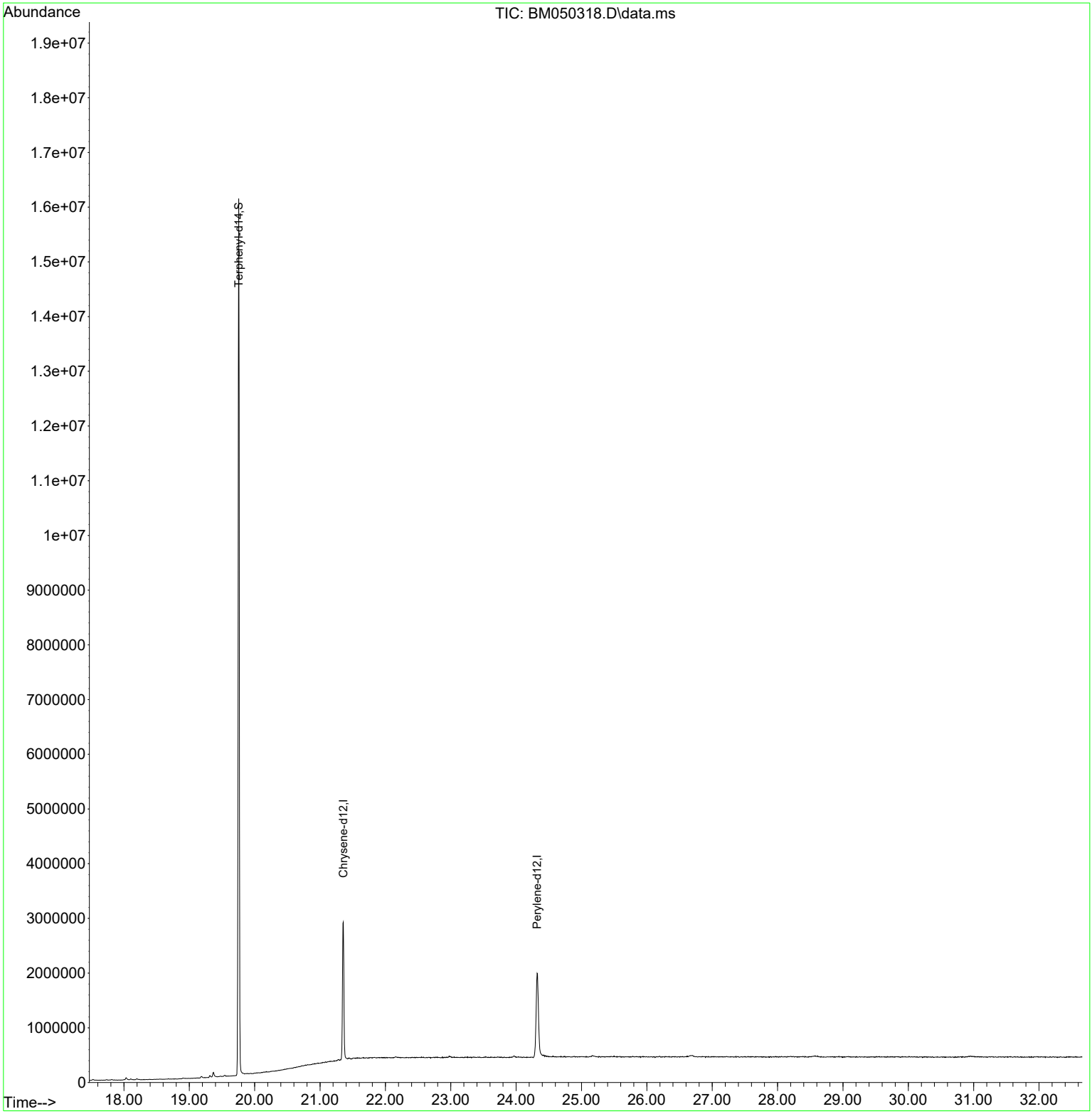
Quant Time: Jun 14 04:28:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

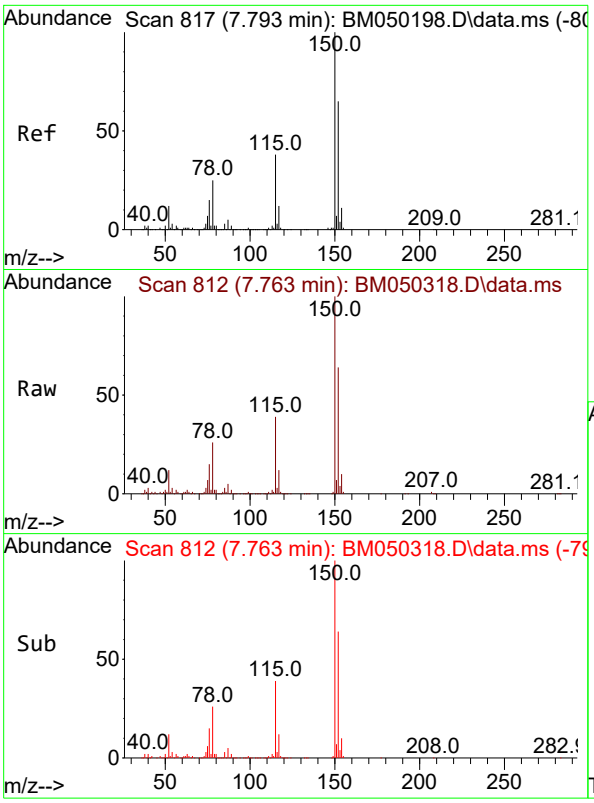


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050318.D
Acq On : 14 Jun 2025 03:40
Operator : RC/JU
Sample : Q2301-03
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
WC-URBAN-FILL-C

Quant Time: Jun 14 04:28:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration



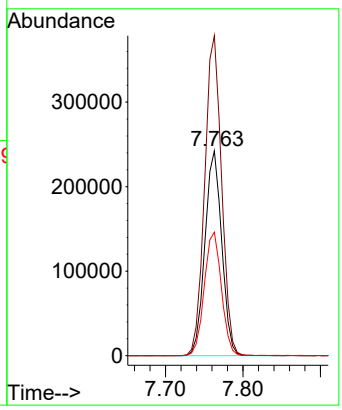


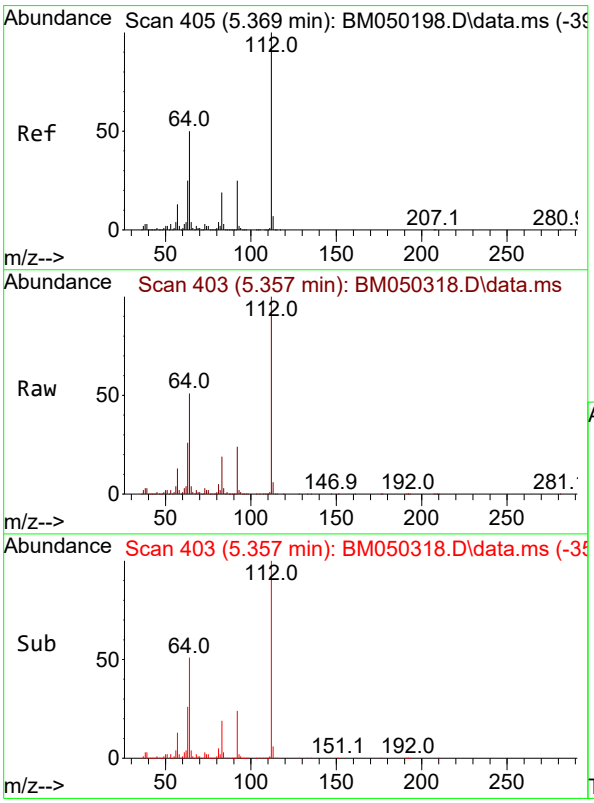

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM050318.D
Acq: 14 Jun 2025 03:40

**Instrument :**
BNA_M
**ClientSampleId :**
WC-URBAN-FILL-C

Tgt Ion:152 Resp: 365030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.3 | 122.2 | 183.4 |
| 115 | 60.3 | 46.3 | 69.5 |

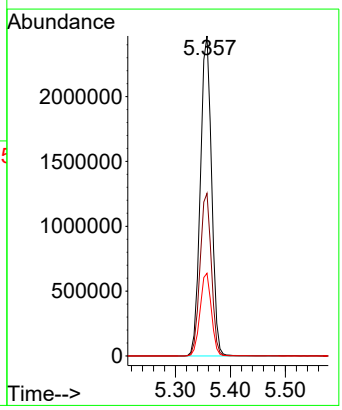


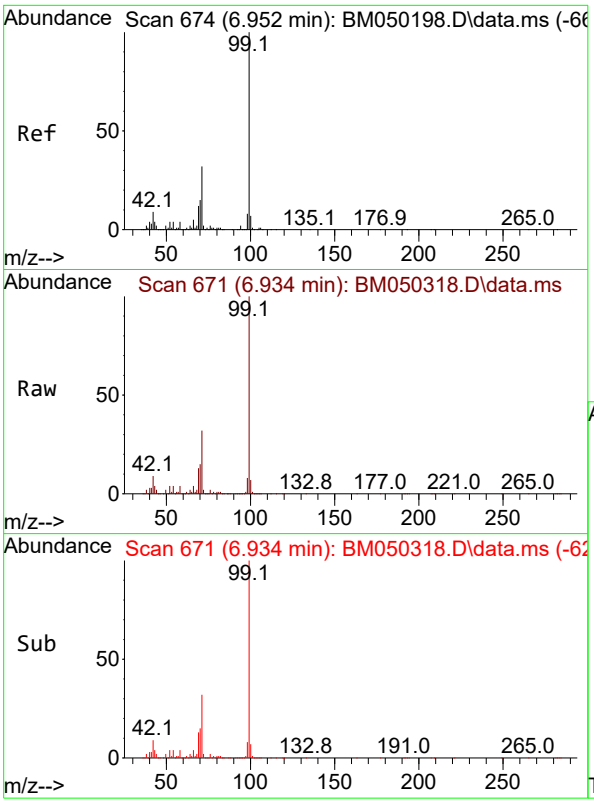




#5
2-Fluorophenol
Concen: 160.422 ng
RT: 5.357 min Scan# 403
Delta R.T. -0.000 min
Lab File: BM050318.D
Acq: 14 Jun 2025 03:40

Tgt Ion:112 Resp: 3510429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 50.8 | 39.8 | 59.6 |
| 63 | 25.8 | 19.8 | 29.8 |



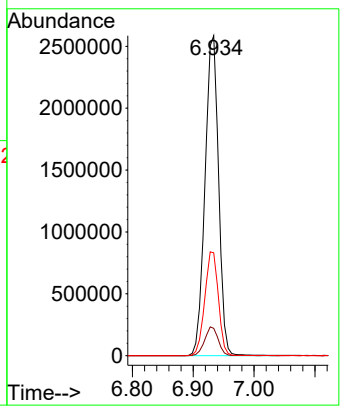


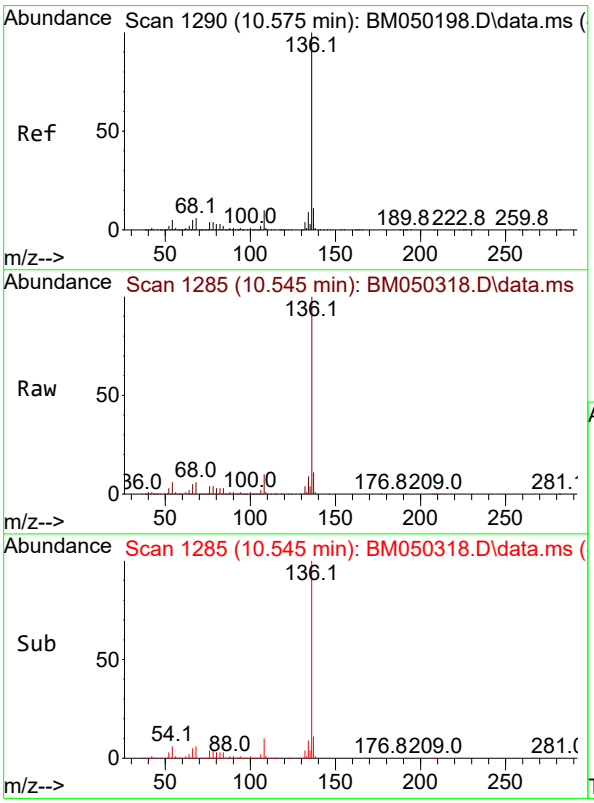

#7
Phenol-d6
Concen: 139.272 ng
RT: 6.934 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050318.D
Acq: 14 Jun 2025 03:40

**Instrument :**
BNA_M
**ClientSampleId :**
WC-URBAN-FILL-C

Tgt Ion: 99 Resp: 4011894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 8.5 | 6.9 | 10.3 |
| 71 | 32.2 | 25.3 | 37.9 |

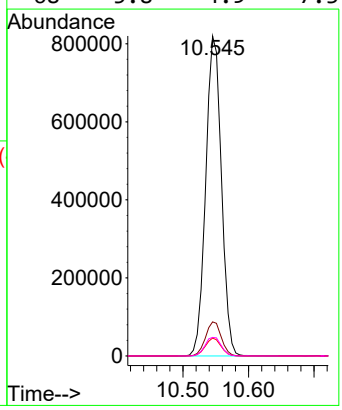


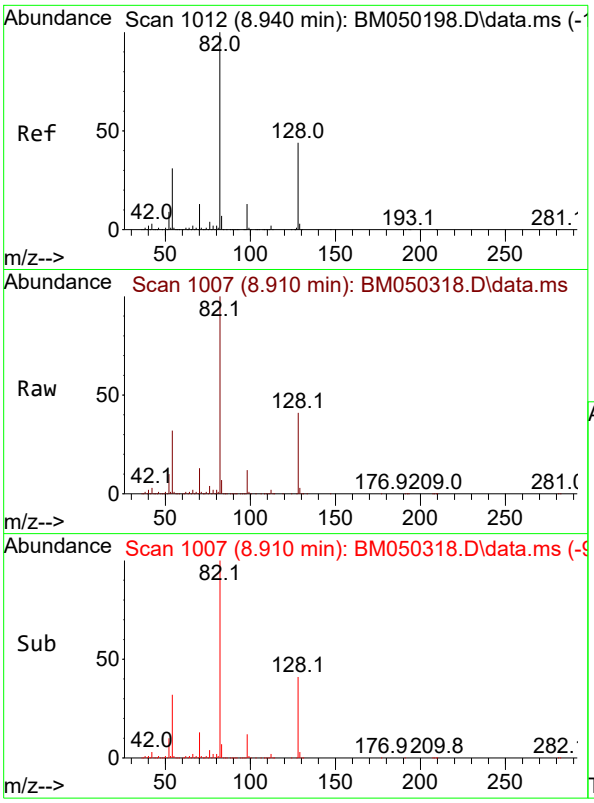




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.545 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BM050318.D
Acq: 14 Jun 2025 03:40

Tgt Ion:136 Resp: 1367333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.6 | 13.0 |
| 54 | 5.6 | 3.8 | 5.8 |
| 68 | 5.8 | 4.9 | 7.3 |



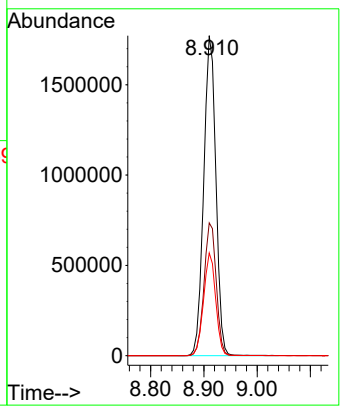


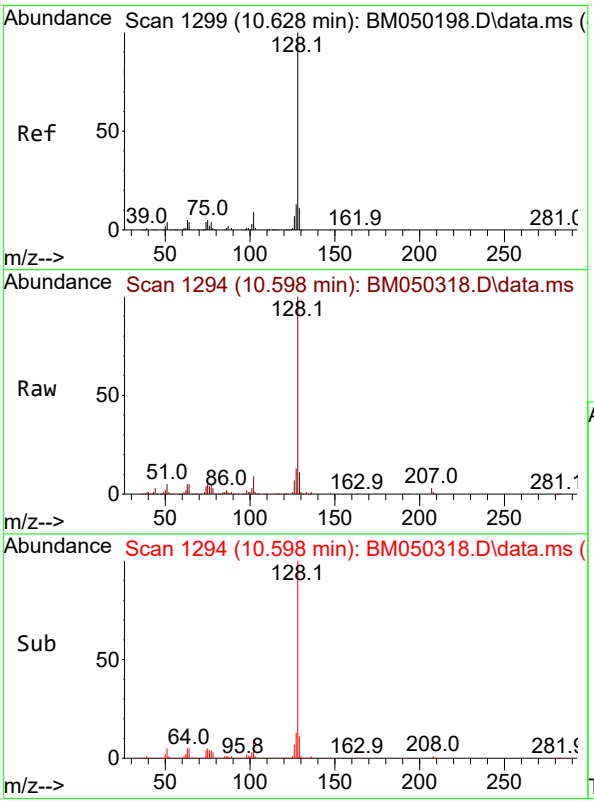

#23
Nitrobenzene-d5
Concen: 106.888 ng
RT: 8.910 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM050318.D
Acq: 14 Jun 2025 03:40

**Instrument :**
BNA_M
**ClientSampleId :**
WC-URBAN-FILL-C

Tgt Ion: 82 Resp: 2810169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.5 | 35.2 | 52.8 |
| 54 | 32.1 | 24.5 | 36.7 |

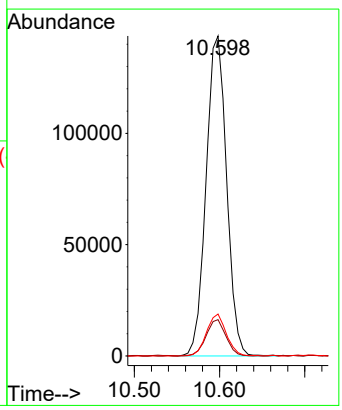


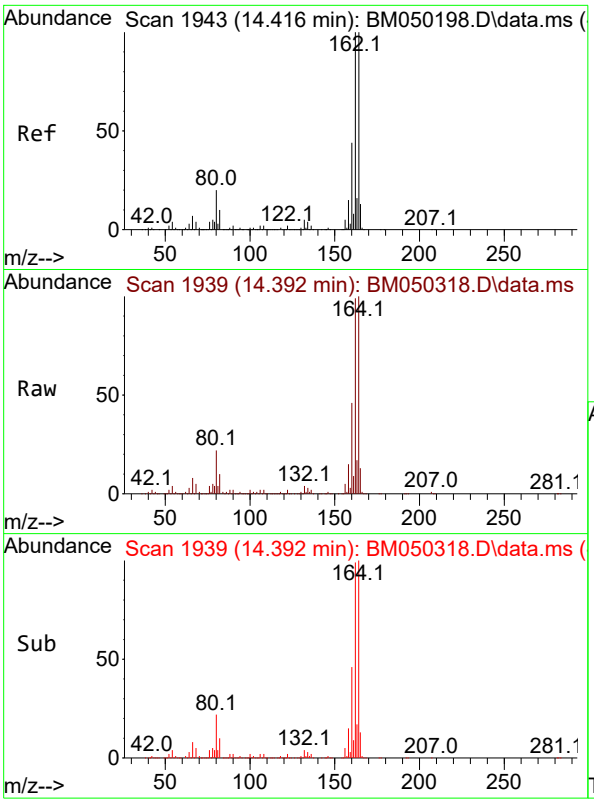




#31
Naphthalene
Concen: 3.410 ng
RT: 10.598 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BM050318.D
Acq: 14 Jun 2025 03:40

Tgt Ion:128 Resp: 241099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 8.6 | 12.8 |
| 127 | 13.1 | 10.2 | 15.4 |



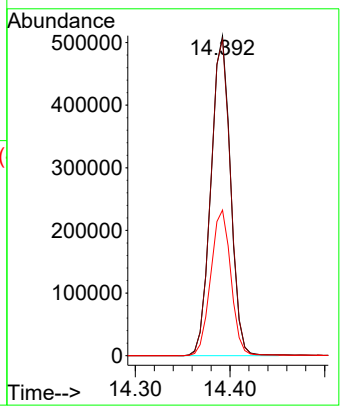


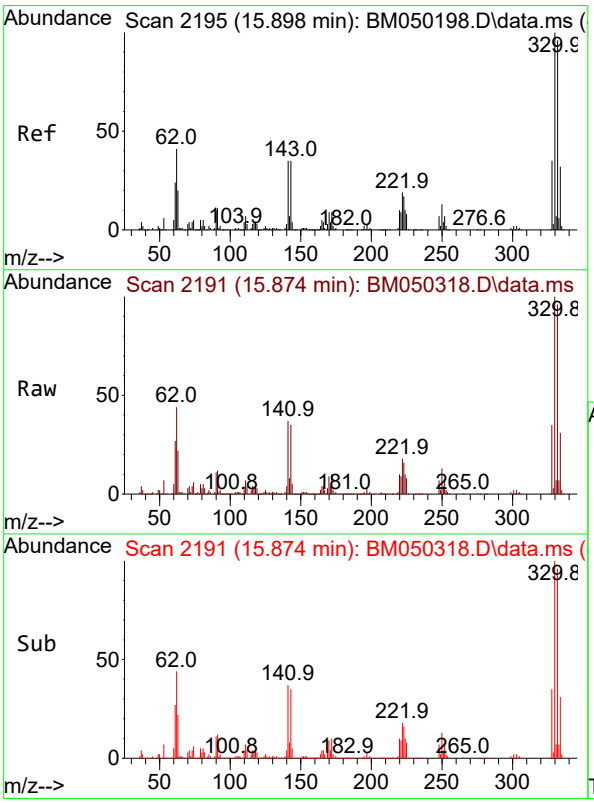

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM050318.D
Acq: 14 Jun 2025 03:40

**Instrument :**
BNA_M
**ClientSampleId :**
WC-URBAN-FILL-C

Tgt Ion:164 Resp: 730437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.8 | 80.2 | 120.4 |
| 160 | 45.5 | 35.7 | 53.5 |

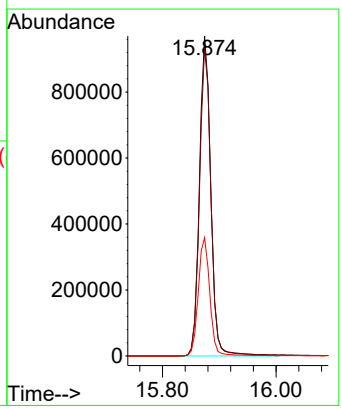


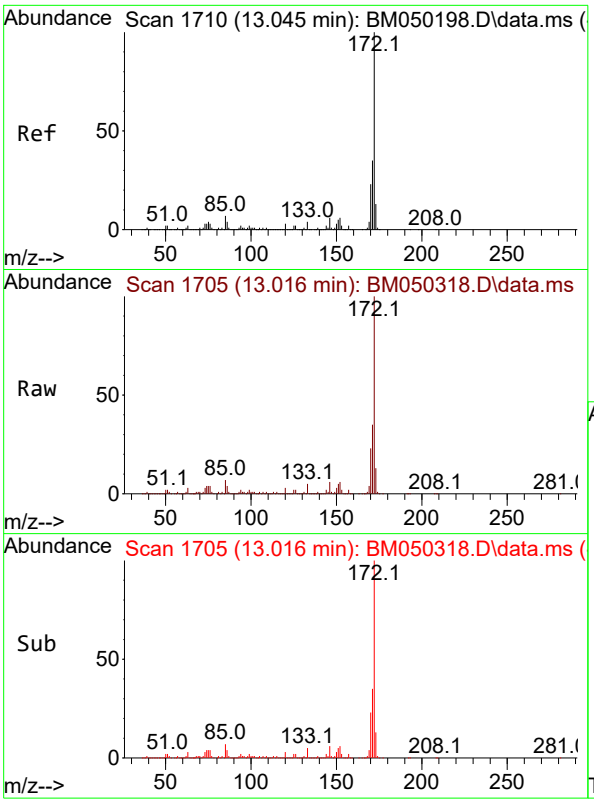




#42
2,4,6-Tribromophenol
Concen: 162.581 ng
RT: 15.874 min Scan# 2191
Delta R.T. -0.006 min
Lab File: BM050318.D
Acq: 14 Jun 2025 03:40

Tgt Ion:330 Resp: 1350757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.4 | 77.5 | 116.3 |
| 141 | 37.8 | 28.8 | 43.2 |



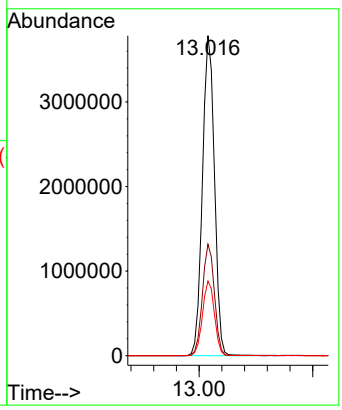


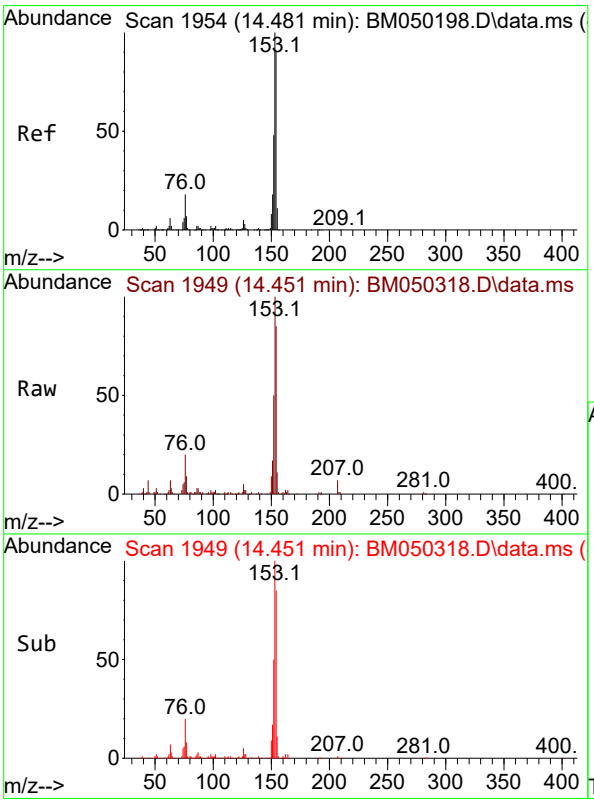

#45
2-Fluorobiphenyl
Concen: 102.767 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM050318.D
Acq: 14 Jun 2025 03:40

**Instrument :**
BNA_M
**ClientSampleId :**
WC-URBAN-FILL-C

Tgt Ion:172 Resp: 5544528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 27.8 | 41.6 |
| 170 | 23.3 | 18.6 | 27.8 |

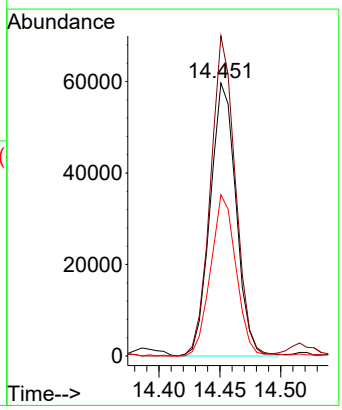


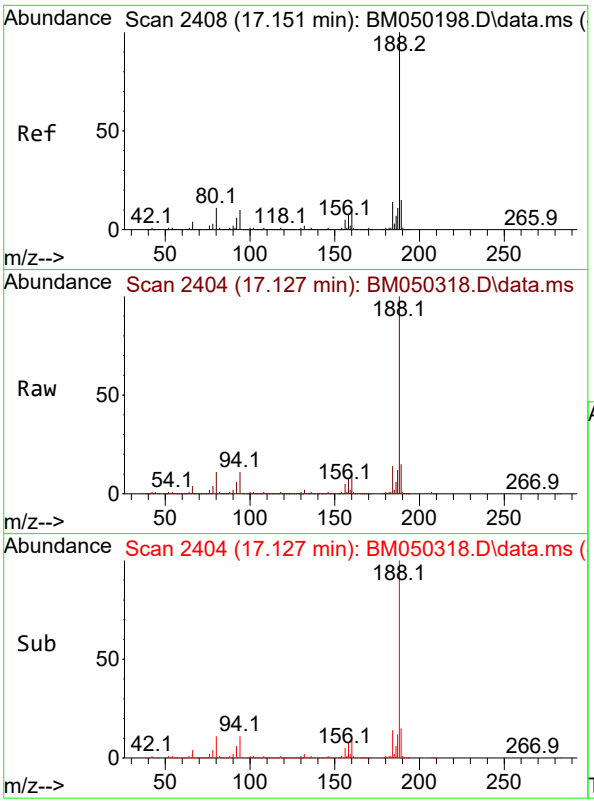




#52
Acenaphthene
Concen: 2.046 ng
RT: 14.451 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BM050318.D
Acq: 14 Jun 2025 03:40

Tgt Ion:154 Resp: 88016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 117.3 | 88.7 | 133.1 |
| 152 | 59.1 | 42.6 | 63.8 |



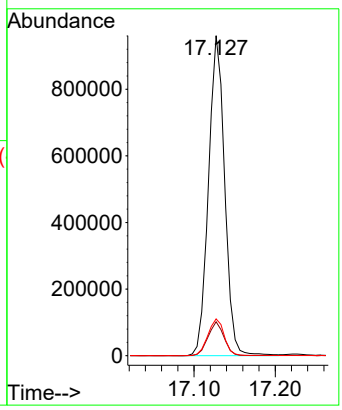


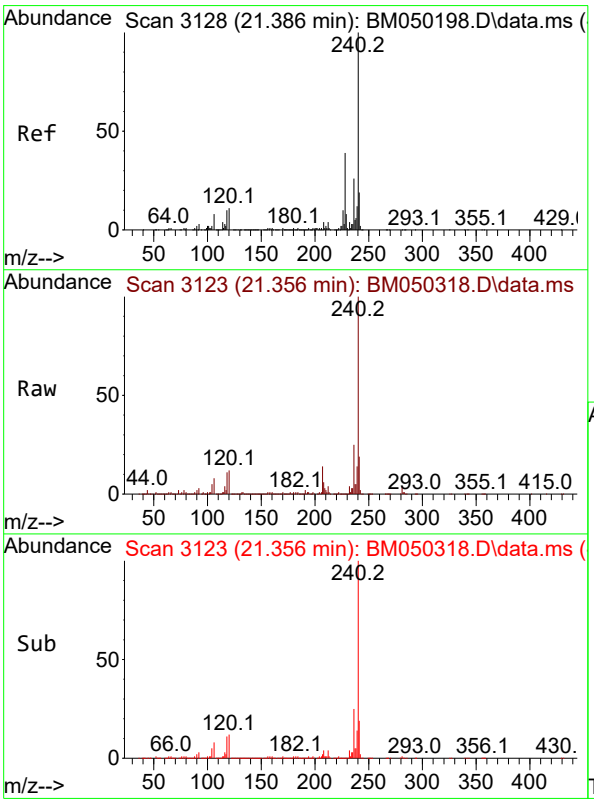

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.127 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM050318.D
Acq: 14 Jun 2025 03:40

**Instrument :**
BNA_M
**ClientSampleId :**
WC-URBAN-FILL-C

Tgt Ion:188 Resp: 1329061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.6 | 8.1 | 12.1 |
| 80 | 11.5 | 8.6 | 13.0 |

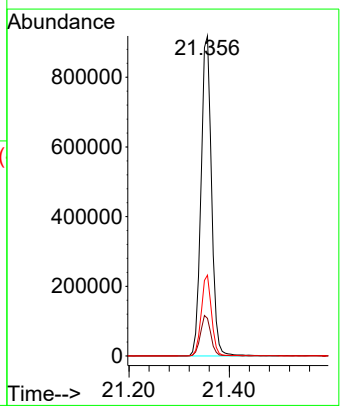


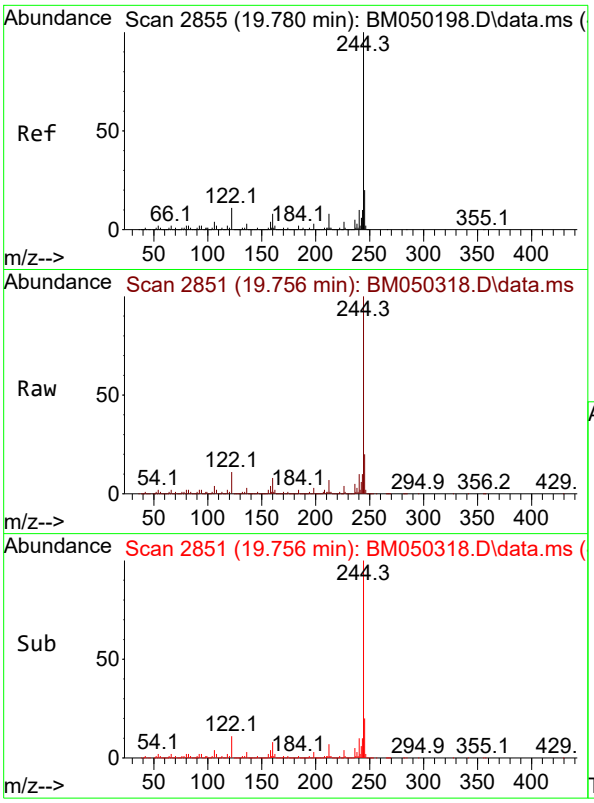




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.356 min Scan# 3123
Delta R.T. -0.018 min
Lab File: BM050318.D
Acq: 14 Jun 2025 03:40

Tgt Ion:240 Resp: 1333433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.7 | 9.0 | 13.4 |
| 236 | 25.3 | 20.7 | 31.1 |



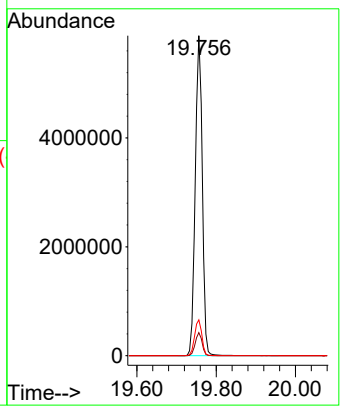


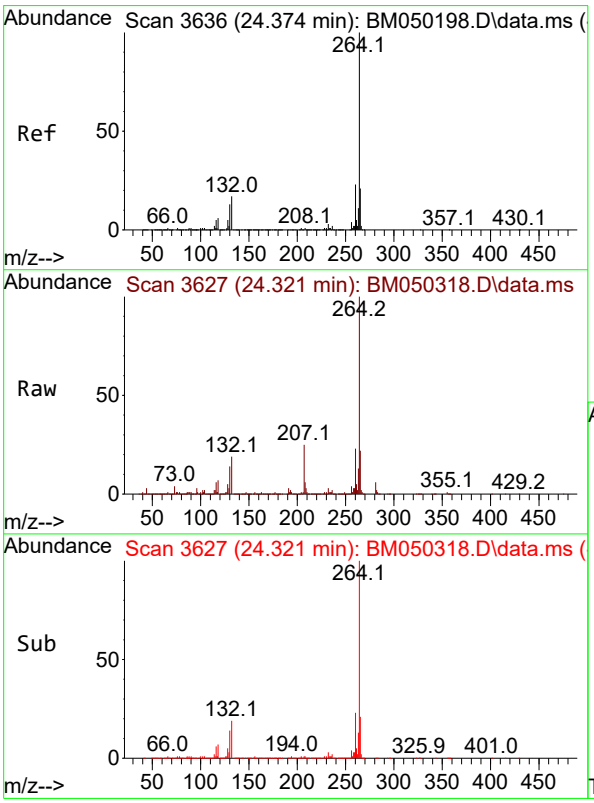

#79
Terphenyl-d14
Concen: 102.313 ng
RT: 19.756 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050318.D
Acq: 14 Jun 2025 03:40

**Instrument :**
BNA_M
**ClientSampleId :**
WC-URBAN-FILL-C

Tgt Ion:244 Resp: 7199245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 6.0 | 9.0 |
| 122 | 11.2 | 8.6 | 12.8 |

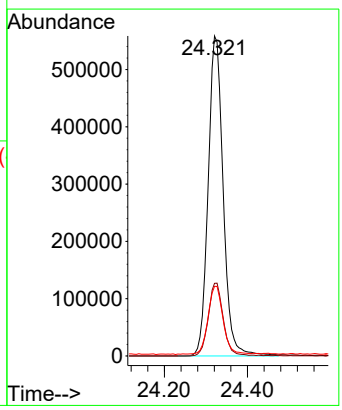



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.321 min Scan# 3627
Delta R.T. -0.024 min
Lab File: BM050318.D
Acq: 14 Jun 2025 03:40

Tgt Ion:264 Resp: 1403419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.7 | 18.6 | 28.0 |
| 265 | 21.8 | 16.8 | 25.2 |



# CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2301 SAS No.: Q2301 SDG No.: Q2301

Instrument ID: BNA_M Calibration Date(s): 06/05/2025 06/05/2025

Calibration Time(s): 09:20 13:56

LAB FILE ID: RRF2.5 = BM050194.D RRF005 = BM050195.D RRF010 = BM050196.D
RRF020 = BM050197.D RRF040 = BM050198.D RRF050 = BM050199.D

| COMPOUND | RRF2.5 | RRF005 | RRF010 | RRF020 | RRF040 | RRF050 | RRF | % RSD |
|---|---|---|---|---|---|---|---|---|
| Pyridine | | 1.353 | 1.352 | 1.370 | 1.311 | 1.425 | 1.361 | 2.8 |
| 2-Fluorophenol | | 1.251 | 1.193 | 1.192 | 1.145 | 1.238 | 1.199 | 3.5 |
| Phenol-d6 | | 1.569 | 1.521 | 1.617 | 1.565 | 1.699 | 1.578 | 4.0 |
| 1,4-Dichlorobenzene | | 1.619 | 1.544 | 1.564 | 1.450 | 1.591 | 1.534 | 4.3 |
| 2-Methylphenol | | 1.078 | 1.042 | 1.133 | 1.108 | 1.207 | 1.102 | 5.0 |
| 3+4-Methylphenols | | 1.367 | 1.375 | 1.533 | 1.509 | 1.661 | 1.474 | 7.0 |
| Nitrobenzene-d5 | | 0.359 | 0.362 | 0.392 | 0.377 | 0.414 | 0.385 | 5.4 |
| Hexachloroethane | 0.553 | 0.564 | 0.544 | 0.552 | 0.533 | 0.593 | 0.555 | 3.3 |
| Nitrobenzene | | 0.333 | 0.337 | 0.359 | 0.339 | 0.370 | 0.350 | 4.1 |
| Hexachlorobutadiene | | 0.188 | 0.184 | 0.189 | 0.182 | 0.202 | 0.190 | 3.7 |
| 2,4,6-Trichlorophenol | | 0.346 | 0.347 | 0.379 | 0.375 | 0.414 | 0.380 | 6.9 |
| 2-Fluorobiphenyl | | 1.589 | 1.536 | 1.532 | 1.377 | 1.463 | 1.477 | 5.7 |
| 2,4,5-Trichlorophenol | | 0.371 | 0.382 | 0.424 | 0.414 | 0.457 | 0.417 | 7.5 |
| 2,4-Dinitrotoluene | | 0.250 | 0.283 | 0.365 | 0.396 | 0.447 | 0.360 | 19.3 |
| 2,4,6-Tribromophenol | | 0.210 | 0.213 | 0.238 | 0.231 | 0.254 | 0.227 | 7.0 |
| Hexachlorobenzene | | 0.249 | 0.240 | 0.253 | 0.238 | 0.261 | 0.249 | 3.3 |
| Pentachlorophenol | | 0.133 | 0.138 | 0.165 | 0.164 | 0.187 | 0.162 | 12.2 |
| Terphenyl-d14 | | 1.148 | 1.088 | 1.165 | 1.010 | 1.064 | 1.055 | 8.1 |

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_M

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM060525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jun 05 16:20:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BM050194.D 5 =BM050195.D 10 =BM050196.D 20 =BM050197.D 40 =BM050198.D 50 =BM050199.D 60 =BM050200.D 80 =BM0502
01.D

| | | Compound | 2.5 | 5 | 10 | 20 | 40 | 50 | 60 | 80 | Avg | %RSD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1) | I | 1,4-Dichlorobenzen... | ---------- | ISTD | ---------- | | | | | | | |
| 2) | | 1,4-Dioxane | | 0.597 | 0.552 | 0.516 | 0.479 | 0.511 | 0.536 | 0.488 | 0.526 | 7.69 |
| 3) | | Pyridine | | 1.353 | 1.352 | 1.370 | 1.311 | 1.425 | 1.389 | 1.326 | 1.361 | 2.80 |
| 4) | | n-Nitrosodimet... | | 0.283 | 0.265 | 0.279 | 0.272 | 0.297 | 0.293 | 0.282 | 0.281 | 3.95 |
| 5) | S | 2-Fluorophenol | | 1.251 | 1.193 | 1.192 | 1.145 | 1.238 | 1.224 | 1.150 | 1.199 | 3.45 |
| 6) | | Aniline | | 2.033 | 2.016 | 2.147 | 2.065 | 2.250 | 2.064 | 2.031 | 2.086 | 4.02 |
| 7) | S | Phenol-d6 | | 1.569 | 1.521 | 1.617 | 1.565 | 1.699 | 1.560 | 1.516 | 1.578 | 4.00 |
| 8) | | 2-Chlorophenol | | 1.289 | 1.259 | 1.344 | 1.295 | 1.418 | 1.338 | 1.288 | 1.319 | 4.02 |
| 9) | | Benzaldehyde | | 1.188 | 1.080 | 1.096 | 0.878 | 0.975 | 0.804 | | 1.003 | 14.43 |
| 10) | C | Phenol | | 1.673 | 1.644 | 1.710 | 1.644 | 1.782 | 1.637 | 1.600 | 1.670 | 3.58 |
| 11) | | bis(2-Chloroet... | | 1.396 | 1.319 | 1.380 | 1.315 | 1.428 | 1.295 | 1.269 | 1.343 | 4.36 |
| 12) | | 1,3-Dichlorobe... | | 1.516 | 1.462 | 1.491 | 1.412 | 1.545 | 1.485 | 1.409 | 1.474 | 3.46 |
| 13) | C | 1,4-Dichlorobe... | | 1.619 | 1.544 | 1.564 | 1.450 | 1.591 | 1.525 | 1.444 | 1.534 | 4.34 |
| 14) | | 1,2-Dichlorobe... | | 1.503 | 1.456 | 1.492 | 1.402 | 1.540 | 1.450 | 1.392 | 1.462 | 3.68 |
| 15) | | Benzyl Alcohol | | 1.072 | 1.045 | 1.152 | 1.141 | 1.267 | 1.102 | 1.101 | 1.126 | 6.43 |
| 16) | | 2,2'-oxybis(1-... | | 1.012 | 0.949 | 0.974 | 0.909 | 0.978 | 0.863 | 0.845 | 0.933 | 6.68 |
| 17) | | 2-Methylphenol | | 1.078 | 1.042 | 1.133 | 1.108 | 1.207 | 1.077 | 1.068 | 1.102 | 4.96 |
| 18) | | Hexachloroethane | | 0.564 | 0.544 | 0.552 | 0.533 | 0.593 | 0.559 | 0.543 | 0.556 | 3.51 |
| 19) | P | n-Nitroso-di-n... | 0.847 | 0.944 | 0.947 | 1.072 | 1.001 | 1.096 | 0.906 | 0.913 | 0.966 | 8.82 |
| 20) | | 3+4-Methylphenols | | 1.367 | 1.375 | 1.533 | 1.509 | 1.661 | 1.437 | 1.438 | 1.474 | 6.98 |
| 21) | I | Naphthalene-d8 | ---------- | ISTD | ---------- | | | | | | | |
| 22) | | Acetophenone | | 0.515 | 0.506 | 0.517 | 0.476 | 0.519 | 0.495 | 0.470 | 0.500 | 4.03 |
| 23) | S | Nitrobenzene-d5 | | 0.359 | 0.362 | 0.392 | 0.377 | 0.414 | 0.406 | 0.382 | 0.385 | 5.42 |
| 24) | | Nitrobenzene | | 0.333 | 0.337 | 0.359 | 0.339 | 0.370 | 0.363 | 0.347 | 0.350 | 4.10 |
| 25) | | Isophorone | | 0.647 | 0.624 | 0.685 | 0.659 | 0.733 | 0.652 | 0.646 | 0.664 | 5.33 |
| 26) | C | 2-Nitrophenol | | 0.116 | 0.124 | 0.146 | 0.155 | 0.178 | 0.169 | 0.169 | 0.151 | 15.65 |
| 27) | | 2,4-Dimethylph... | | 0.311 | 0.298 | 0.315 | 0.303 | 0.332 | 0.313 | 0.299 | 0.310 | 3.80 |
| 28) | | bis(2-Chloroet... | | 0.426 | 0.413 | 0.447 | 0.427 | 0.470 | 0.432 | 0.420 | 0.434 | 4.42 |
| 29) | C | 2,4-Dichloroph... | | 0.265 | 0.262 | 0.289 | 0.286 | 0.319 | 0.300 | 0.289 | 0.287 | 6.83 |
| 30) | | 1,2,4-Trichlor... | | 0.324 | 0.307 | 0.321 | 0.305 | 0.337 | 0.330 | 0.312 | 0.319 | 3.72 |
| 31) | | Naphthalene | | 1.111 | 1.041 | 1.056 | 0.977 | 1.061 | 1.025 | 0.969 | 1.034 | 4.79 |
| 32) | | Benzoic acid | | | 0.127 | 0.176 | 0.204 | 0.233 | 0.211 | 0.219 | 0.195 | 19.69 |
| 33) | | 4-Chloroaniline | | 0.438 | 0.423 | 0.454 | 0.433 | 0.477 | 0.440 | 0.422 | 0.441 | 4.37 |
| 34) | C | Hexachlorobuta... | | 0.188 | 0.184 | 0.189 | 0.182 | 0.202 | 0.197 | 0.188 | 0.190 | 3.74 |
| 35) | | Caprolactam | | 0.077 | 0.077 | 0.093 | 0.097 | 0.112 | 0.092 | 0.090 | 0.091 | 13.48 |
| 36) | C | 4-Chloro-3-met... | | 0.293 | 0.276 | 0.313 | 0.313 | 0.347 | 0.302 | 0.299 | 0.306 | 7.19 |
| 37) | | 2-Methylnaphth... | | 0.625 | 0.592 | 0.643 | 0.615 | 0.679 | 0.619 | 0.594 | 0.624 | 4.78 |
| 38) | | 1-Methylnaphth... | | 0.676 | 0.637 | 0.689 | 0.649 | 0.714 | 0.648 | 0.622 | 0.662 | 4.86 |

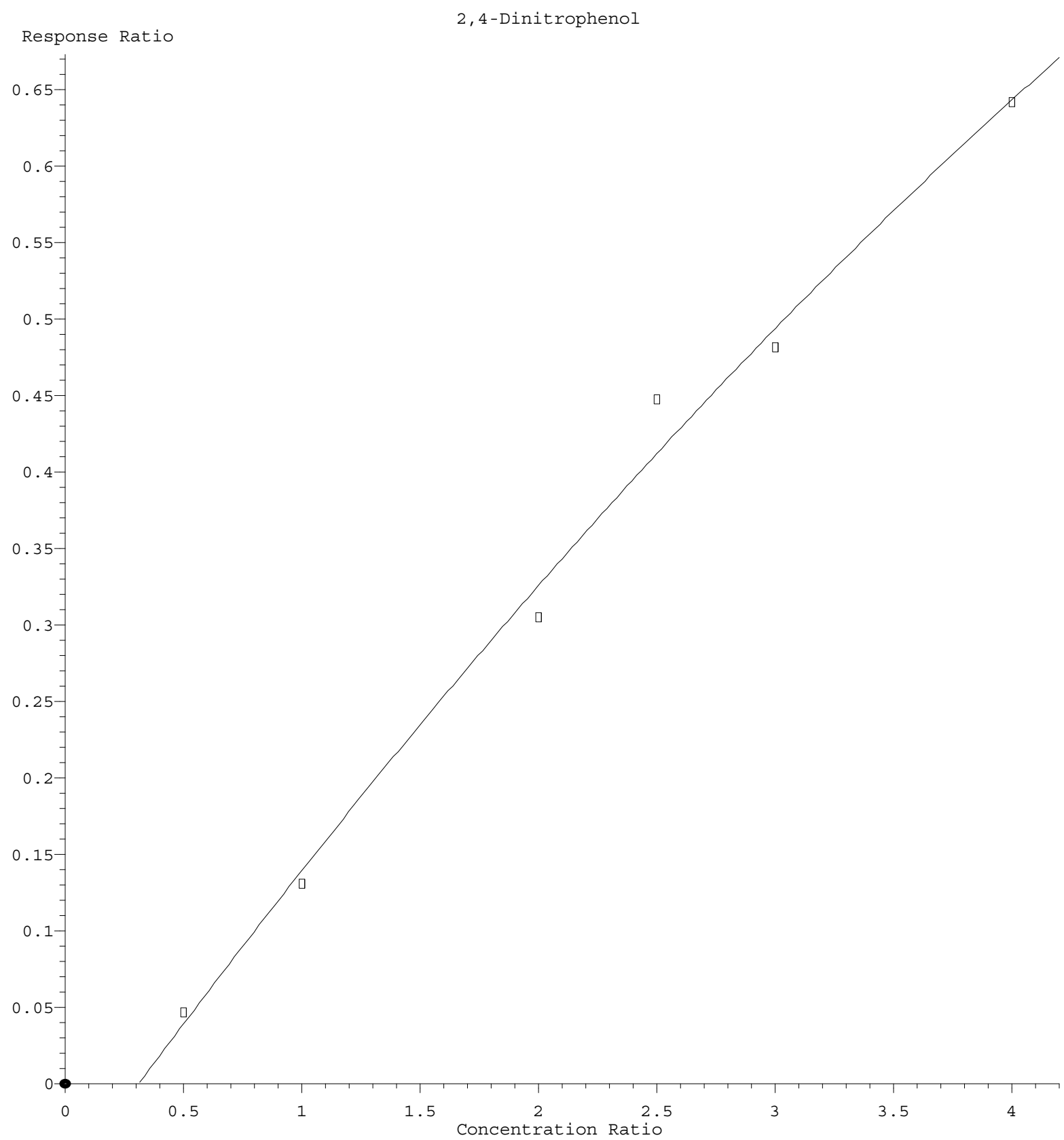
Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM060525.M

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 39) | I | Acenaphthene-d10 | ----------ISTD---------- | | | | | | | | |
| 40) | | 1,2,4,5-Tetrac... | 0.586 | 0.561 | 0.585 | 0.541 | 0.589 | 0.607 | 0.574 | 0.578 | 3.71 |
| 41) | P | Hexachlorocycl... | 0.295 | 0.305 | 0.339 | 0.341 | 0.382 | 0.401 | 0.392 | 0.351 | 12.02 |
| 42) | S | 2,4,6-Tribromo... | 0.210 | 0.213 | 0.238 | 0.231 | 0.254 | 0.233 | 0.214 | 0.227 | 6.99 |
| 43) | C | 2,4,6-Trichlor... | 0.346 | 0.347 | 0.379 | 0.375 | 0.414 | 0.402 | 0.396 | 0.380 | 6.93 |
| 44) | | 2,4,5-Trichlor... | 0.371 | 0.382 | 0.424 | 0.414 | 0.457 | 0.442 | 0.429 | 0.417 | 7.46 |
| 45) | S | 2-Fluorobiphenyl | 1.589 | 1.536 | 1.532 | 1.377 | 1.463 | 1.480 | 1.364 | 1.477 | 5.67 |
| 46) | | 1,1'-Biphenyl | 1.582 | 1.513 | 1.514 | 1.404 | 1.526 | 1.508 | 1.437 | 1.498 | 3.96 |
| 47) | | 2-Chloronaphth... | 1.221 | 1.194 | 1.180 | 1.084 | 1.171 | 1.177 | 1.123 | 1.164 | 3.94 |
| 48) | | 2-Nitroaniline | 0.200 | 0.206 | 0.252 | 0.268 | 0.302 | 0.290 | 0.277 | 0.256 | 15.56 |
| 49) | | Acenaphthylene | 1.863 | 1.834 | 1.940 | 1.819 | 1.978 | 1.924 | 1.824 | 1.883 | 3.39 |
| 50) | | Dimethylphthalate | 1.339 | 1.285 | 1.398 | 1.343 | 1.474 | 1.344 | 1.284 | 1.353 | 4.92 |
| 51) | | 2,6-Dinitrotol... | 0.204 | 0.231 | 0.284 | 0.289 | 0.320 | 0.297 | 0.284 | 0.273 | 14.82 |
| 52) | C | Acenaphthene | 1.217 | 1.176 | 1.185 | 1.132 | 1.228 | 1.181 | 1.127 | 1.178 | 3.24 |
| 53) | | 3-Nitroaniline | 0.231 | 0.252 | 0.312 | 0.323 | 0.360 | 0.336 | 0.314 | 0.304 | 15.16 |
| 54) | P | 2,4-Dinitrophenol | | 0.093 | 0.131 | 0.152 | 0.179 | 0.160 | 0.160 | 0.146 | 20.67 |
| 55) | | Dibenzofuran | 1.782 | 1.710 | 1.775 | 1.662 | 1.797 | 1.719 | 1.617 | 1.723 | 3.87 |
| 56) | P | 4-Nitrophenol | 0.199 | 0.216 | 0.265 | 0.274 | 0.307 | 0.288 | 0.262 | 0.259 | 14.93 |
| 57) | | 2,4-Dinitrotol... | 0.250 | 0.283 | 0.365 | 0.396 | 0.447 | 0.398 | 0.380 | 0.360 | 19.28 |
| 58) | | Fluorene | 1.413 | 1.358 | 1.394 | 1.267 | 1.348 | 1.289 | 1.169 | 1.320 | 6.40 |
| 59) | | 2,3,4,6-Tetrac... | 0.338 | 0.330 | 0.370 | 0.365 | 0.401 | 0.371 | 0.350 | 0.361 | 6.60 |
| 60) | | Diethylphthalate | 1.314 | 1.272 | 1.416 | 1.346 | 1.490 | 1.317 | 1.238 | 1.342 | 6.43 |
| 61) | | 4-Chlorophenyl... | 0.675 | 0.656 | 0.667 | 0.611 | 0.660 | 0.623 | 0.573 | 0.638 | 5.81 |
| 62) | | 4-Nitroaniline | 0.213 | 0.236 | 0.291 | 0.308 | 0.342 | 0.319 | 0.285 | 0.285 | 16.00 |
| 63) | | Azobenzene | 1.342 | 1.330 | 1.415 | 1.313 | 1.443 | 1.316 | 1.230 | 1.341 | 5.25 |
| 64) | I | Phenanthrene-d10 | ----------ISTD---------- | | | | | | | | |
| 65) | | 4,6-Dinitro-2-... | | 0.075 | 0.101 | 0.111 | 0.128 | 0.120 | 0.121 | 0.109 | 17.72 |
| 66) | c | n-Nitrosodiphe... | 0.630 | 0.626 | 0.639 | 0.594 | 0.646 | 0.639 | 0.625 | 0.628 | 2.73 |
| 67) | | 4-Bromophenyl-... | 0.207 | 0.204 | 0.215 | 0.204 | 0.228 | 0.217 | 0.218 | 0.213 | 4.13 |
| 68) | | Hexachlorobenzene | 0.249 | 0.240 | 0.253 | 0.238 | 0.261 | 0.255 | 0.249 | 0.249 | 3.29 |
| 69) | | Atrazine | 0.166 | 0.177 | 0.206 | 0.206 | 0.231 | 0.212 | 0.204 | 0.200 | 10.86 |
| 70) | C | Pentachlorophenol | 0.133 | 0.138 | 0.165 | 0.164 | 0.187 | 0.177 | 0.171 | 0.162 | 12.21 |
| 71) | | Phenanthrene | 1.239 | 1.156 | 1.160 | 1.071 | 1.161 | 1.144 | 1.068 | 1.143 | 5.14 |
| 72) | | Anthracene | 1.167 | 1.135 | 1.175 | 1.086 | 1.181 | 1.165 | 1.092 | 1.143 | 3.46 |
| 73) | | Carbazole | 1.041 | 1.003 | 1.063 | 1.009 | 1.103 | 1.085 | 0.985 | 1.041 | 4.30 |
| 74) | | Di-n-butylphth... | 0.998 | 1.007 | 1.187 | 1.159 | 1.300 | 1.187 | 1.093 | 1.133 | 9.53 |
| 75) | C | Fluoranthene | 1.180 | 1.139 | 1.231 | 1.178 | 1.301 | 1.284 | 1.121 | 1.205 | 5.77 |
| 76) | I | Chrysene-d12 | ----------ISTD---------- | | | | | | | | |
| 77) | | Benzidine | | 0.381 | 0.568 | 0.617 | 0.689 | 0.600 | 0.520 | 0.562 | 18.64 |
| 78) | | Pyrene | 1.331 | 1.307 | 1.444 | 1.324 | 1.423 | 1.274 | 1.334 | 1.348 | 4.61 |
| 79) | S | Terphenyl-d14 | 1.148 | 1.088 | 1.165 | 1.010 | 1.064 | 0.955 | 0.957 | 1.055 | 8.06 |
| 80) | | Butylbenzylpht... | 0.322 | 0.347 | 0.460 | 0.490 | 0.563 | 0.480 | 0.485 | 0.450 | 18.95 |
| 81) | | Benzo(a)anthra... | 1.271 | 1.231 | 1.298 | 1.218 | 1.338 | 1.280 | 1.225 | 1.266 | 3.47 |
| 82) | | 3,3'-Dichlorob... | 0.265 | 0.301 | 0.379 | 0.415 | 0.476 | 0.450 | 0.416 | 0.386 | 19.97 |
| 83) | | Chrysene | 1.235 | 1.184 | 1.225 | 1.151 | 1.256 | 1.217 | 1.161 | 1.204 | 3.27 |
| 84) | | Bis(2-ethylhex... | 0.525 | 0.574 | 0.702 | 0.740 | 0.851 | 0.741 | 0.714 | 0.693 | 15.84 |
| 85) | c | Di-n-octyl pht... | 0.641 | 0.729 | 0.936 | 1.114 | 1.359 | 1.245 | 1.169 | 1.028 | 26.08 |

Method Path : Z:\svoasrv\HPCHEM1\BNA_M\Methods\
Method File : 8270-BM060525.M

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 86) | I | Perylene-d12 | ----------ISTD---------- | | | | | | | |
| 87) | | Indeno(1,2,3-c... | 1.189 | 1.183 | 1.254 | 1.191 | 1.318 | 1.472 | 1.407 | 1.288 | 8.99 |
| 88) | | Benzo(b)fluora... | 1.104 | 1.082 | 1.205 | 1.170 | 1.269 | 1.178 | 1.132 | 1.163 | 5.46 |
| 89) | | Benzo(k)fluora... | 1.141 | 1.149 | 1.222 | 1.167 | 1.295 | 1.190 | 1.144 | 1.187 | 4.71 |
| 90) | C | Benzo(a)pyrene | 0.994 | 1.007 | 1.111 | 1.081 | 1.197 | 1.153 | 1.111 | 1.093 | 6.73 |
| 91) | | Dibenzo(a,h)an... | 0.954 | 0.966 | 1.021 | 0.972 | 1.075 | 1.188 | 1.141 | 1.045 | 8.83 |
| 92) | | Benzo(g,h,i)pe... | 1.002 | 0.978 | 1.013 | 0.954 | 1.037 | 1.194 | 1.146 | 1.046 | 8.57 |

(#) = Out of Range




R = -9.297e-003 A*A + 2.144e-001 A - 6.582e-002
Coef of Det (r^2) = 0.992237  Curve Fit: Quadratic
Method Name:  Z:\svoasrv\HPCHEM1\BNA M\Methods\8270-BM060525.M
Calibration Table Last Updated: Thu Jun 05 16:20:25 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050194.D
Acq On : 05 Jun 2025 09:20
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Quant Time: Jun 05 15:11:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.786 | 152 | 244555 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.575 | 136 | 945759 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.415 | 164 | 534696 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.151 | 188 | 982061 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.386 | 240 | 992954 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.374 | 264 | 1067519 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 0.000 | 112 | 0d | 0.000 | ng | |
| 7) Phenol-d6 | 0.000 | 99 | 0d | 0.000 | ng | |
| 23) Nitrobenzene-d5 | 0.000 | 82 | 0d | 0.000 | ng | |
| 42) 2,4,6-Tribromophenol | 0.000 | 330 | 0d | 0.000 | ng | |
| 45) 2-Fluorobiphenyl | 0.000 | 172 | 0d | 0.000 | ng | |
| 79) Terphenyl-d14 | 0.000 | 244 | 0d | 0.000 | ng | |
| Target Compounds | | | | | | Qvalue |
| 18) Hexachloroethane | 8.869 | 117 | 16914 | 2.490 | ng | 97 |

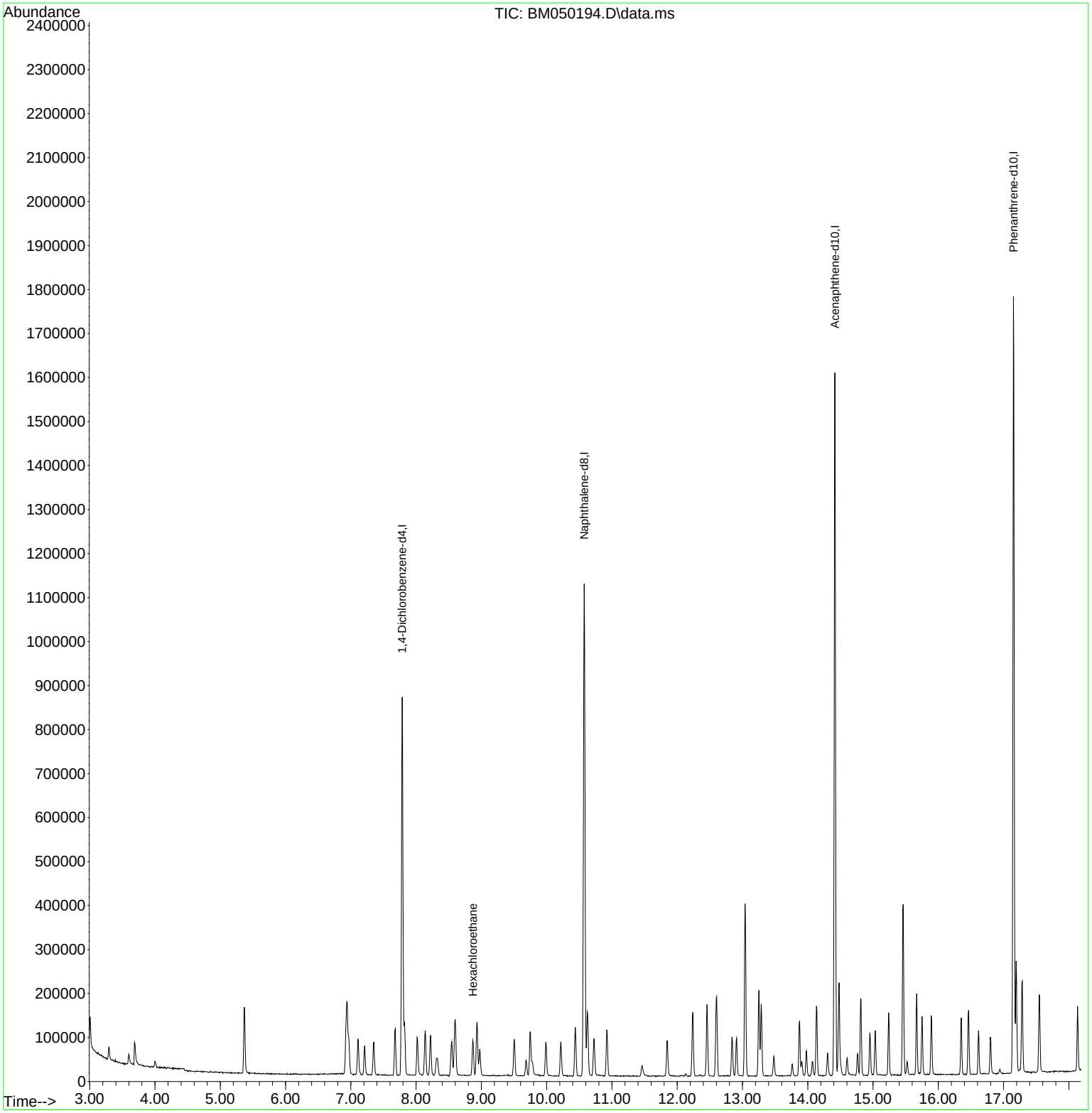
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050194.D
Acq On : 05 Jun 2025 09:20
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Quant Time: Jun 05 15:11:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

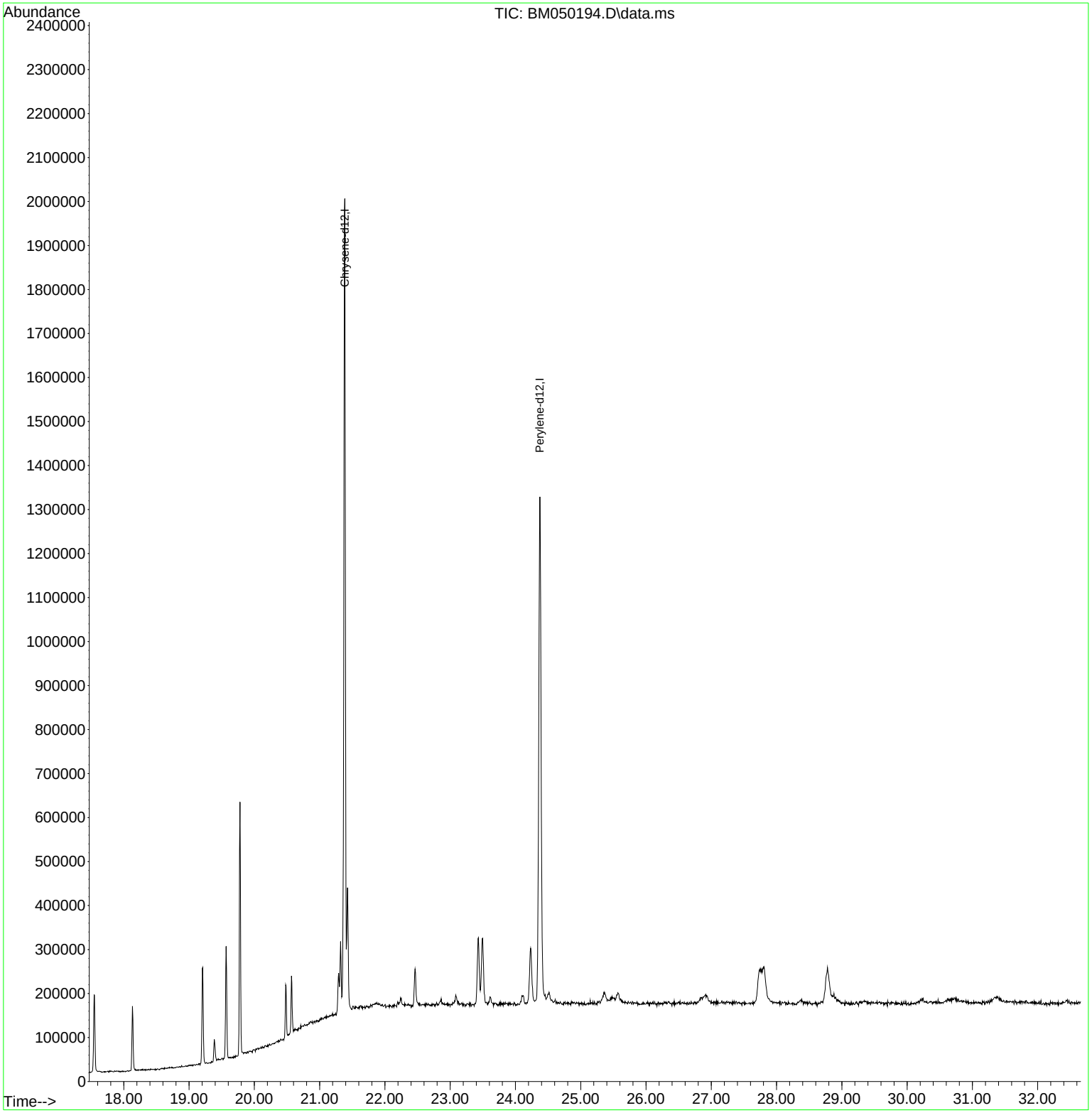


ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050194.D
Acq On : 05 Jun 2025 09:20
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC2.5

Quant Time: Jun 05 15:11:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050195.D
Acq On : 05 Jun 2025 09:59
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

Quant Time: Jun 05 15:12:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.787 | 152 | 231885 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.575 | 136 | 935638 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.416 | 164 | 551980 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.151 | 188 | 1022508 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.386 | 240 | 964608 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.374 | 264 | 941239 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.369 | 112 | 145075 | 10.436 | ng | | 0.00 |
| 7) Phenol-d6 | 6.946 | 99 | 181940 | 9.943 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.934 | 82 | 167883 | 9.332 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.892 | 330 | 57984 | 9.236 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.039 | 172 | 438411 | 10.753 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.780 | 244 | 553477 | 10.873 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.293 | 88 | 34616 | 5.681 | ng | | 98 |
| 3) Pyridine | 3.687 | 79 | 78460 | 4.972 | ng | | 95 |
| 4) n-Nitrosodimethylamine | 3.599 | 42 | 16377 | 5.019 | ng | # | 94 |
| 6) Aniline | 7.110 | 93 | 117867 | 4.872 | ng | | 99 |
| 8) 2-Chlorophenol | 7.351 | 128 | 74751 | 4.889 | ng | | 98 |
| 9) Benzaldehyde | 6.922 | 77 | 67142m | 5.771 | ng | | |
| 10) Phenol | 6.969 | 94 | 97004 | 5.010 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.210 | 93 | 80951 | 5.198 | ng | | 98 |
| 12) 1,3-Dichlorobenzene | 7.681 | 146 | 87889 | 5.142 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.822 | 146 | 93841 | 5.276 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.140 | 146 | 87131 | 5.139 | ng | | 99 |
| 15) Benzyl Alcohol | 8.016 | 79 | 62171 | 4.764 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.316 | 45 | 58670 | 5.423 | ng | | 97 |
| 17) 2-Methylphenol | 8.222 | 107 | 62467 | 4.890 | ng | | 99 |
| 18) Hexachloroethane | 8.869 | 117 | 32689 | 5.075 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.587 | 70 | 54735 | 4.888 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.545 | 107 | 79245 | 4.636 | ng | | 98 |
| 22) Acetophenone | 8.604 | 105 | 120380 | 5.150 | ng | # | 97 |
| 24) Nitrobenzene | 8.975 | 77 | 77828 | 4.757 | ng | | 98 |
| 25) Isophorone | 9.504 | 82 | 151295 | 4.872 | ng | | 99 |
| 26) 2-Nitrophenol | 9.687 | 139 | 27114 | 3.839 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 9.751 | 122 | 72768 | 5.010 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.992 | 93 | 99703 | 4.915 | ng | | 100 |
| 29) 2,4-Dichlorophenol | 10.216 | 162 | 61926 | 4.611 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.439 | 180 | 75854 | 5.076 | ng | | 97 |
| 31) Naphthalene | 10.628 | 128 | 259768 | 5.370 | ng | | 99 |
| 33) 4-Chloroaniline | 10.728 | 127 | 102387 | 4.964 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.922 | 225 | 43914 | 4.940 | ng | | 95 |
| 35) Caprolactam | 11.463 | 113 | 17903 | 4.205 | ng | | 87 |
| 36) 4-Chloro-3-methylphenol | 11.845 | 107 | 68614 | 4.788 | ng | | 94 |
| 37) 2-Methylnaphthalene | 12.239 | 142 | 146149 | 5.008 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.457 | 142 | 158007 | 5.101 | ng | | 97 |
| 40) 1,2,4,5-Tetrachloroben... | 12.604 | 216 | 80884 | 5.075 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.598 | 237 | 40674 | 4.202 | ng | | 97 |
| 43) 2,4,6-Trichlorophenol | 12.839 | 196 | 47806 | 4.561 | ng | | 100 |
| 44) 2,4,5-Trichlorophenol | 12.910 | 196 | 51196 | 4.449 | ng | | 96 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050195.D
Acq On : 05 Jun 2025 09:59
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

Quant Time: Jun 05 15:12:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 13.251 | 154 | 218302 | 5.282 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.286 | 162 | 168466 | 5.243 | ng | | 96 |
| 48) 2-Nitroaniline | 13.480 | 65 | 27545 | 3.895 | ng | | 83 |
| 49) Acenaphthylene | 14.133 | 152 | 257055 | 4.946 | ng | | 99 |
| 50) Dimethylphthalate | 13.875 | 163 | 184777 | 4.950 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.980 | 165 | 28146 | 3.739 | ng | | 88 |
| 52) Acenaphthene | 14.480 | 154 | 167876 | 5.164 | ng | | 97 |
| 53) 3-Nitroaniline | 14.304 | 138 | 31831 | 3.794 | ng | # | 88 |
| 55) Dibenzofuran | 14.810 | 168 | 245911 | 5.171 | ng | | 99 |
| 56) 4-Nitrophenol | 14.604 | 139 | 27420 | 3.840 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 14.763 | 165 | 34457 | 3.470 | ng | | 87 |
| 58) Fluorene | 15.463 | 166 | 195018 | 5.354 | ng | | 98 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.033 | 232 | 46644m | 4.685 | ng | | |
| 60) Diethylphthalate | 15.239 | 149 | 181363 | 4.897 | ng | | 98 |
| 61) 4-Chlorophenyl-phenyle... | 15.463 | 204 | 93141 | 5.291 | ng | | 98 |
| 62) 4-Nitroaniline | 15.463 | 138 | 29436 | 3.743 | ng | | 99 |
| 63) Azobenzene | 15.751 | 77 | 185154 | 5.001 | ng | | 96 |
| 66) n-Nitrosodiphenylamine | 15.669 | 169 | 161093 | 5.014 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.351 | 248 | 52965 | 4.857 | ng | | 99 |
| 68) Hexachlorobenzene | 16.463 | 284 | 63698 | 5.000 | ng | | 98 |
| 69) Atrazine | 16.616 | 200 | 42483 | 4.150 | ng | | 96 |
| 70) Pentachlorophenol | 16.798 | 266 | 33971 | 4.101 | ng | | 95 |
| 71) Phenanthrene | 17.192 | 178 | 316683 | 5.421 | ng | | 99 |
| 72) Anthracene | 17.286 | 178 | 298346 | 5.106 | ng | | 99 |
| 73) Carbazole | 17.545 | 167 | 266214 | 5.001 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.133 | 149 | 255200 | 4.406 | ng | | 99 |
| 75) Fluoranthene | 19.209 | 202 | 301599 | 4.896 | ng | | 99 |
| 78) Pyrene | 19.568 | 202 | 320928 | 4.936 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.480 | 149 | 77663 | 3.581 | ng | | 92 |
| 81) Benzo(a)anthracene | 21.368 | 228 | 306613 | 5.022 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.286 | 252 | 64021 | 3.438 | ng | | 94 |
| 83) Chrysene | 21.427 | 228 | 297925 | 5.130 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.321 | 149 | 126652 | 3.791 | ng | # | 97 |
| 85) Di-n-octyl phthalate | 22.462 | 149 | 154664 | 3.120 | ng | # | 97 |
| 87) Indeno(1,2,3-cd)pyrene | 27.732 | 276 | 279736 | 4.616 | ng | # | 90 |
| 88) Benzo(b)fluoranthene | 23.433 | 252 | 259803 | 4.748 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.492 | 252 | 268597 | 4.808 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.233 | 252 | 233858 | 4.545 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 27.809 | 278 | 224374 | 4.561 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 28.779 | 276 | 235785 | 4.789 | ng | | 99 |

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

ICAL Form

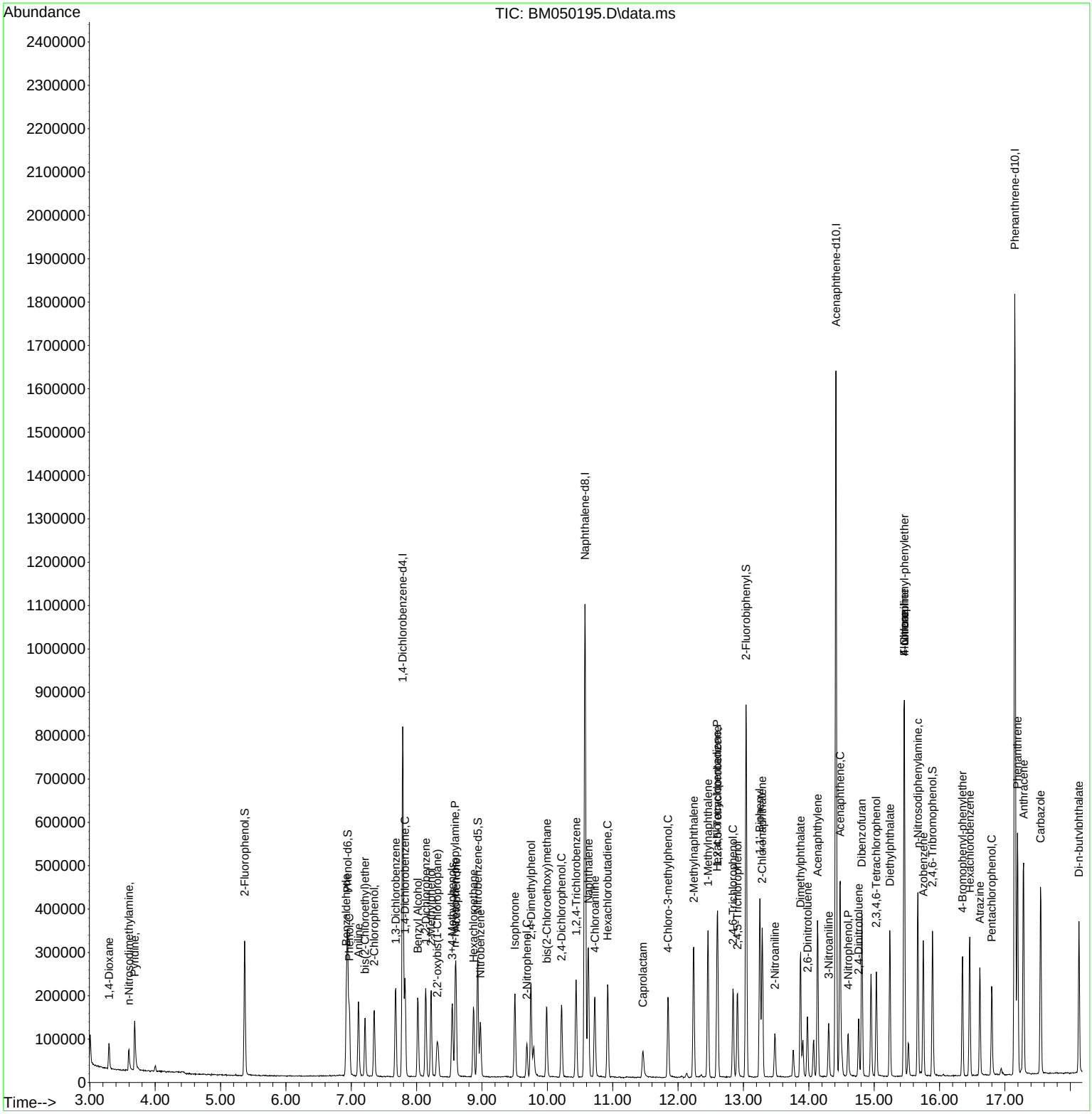
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050195.D
Acq On : 05 Jun 2025 09:59
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 15:12:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



ICAL Form

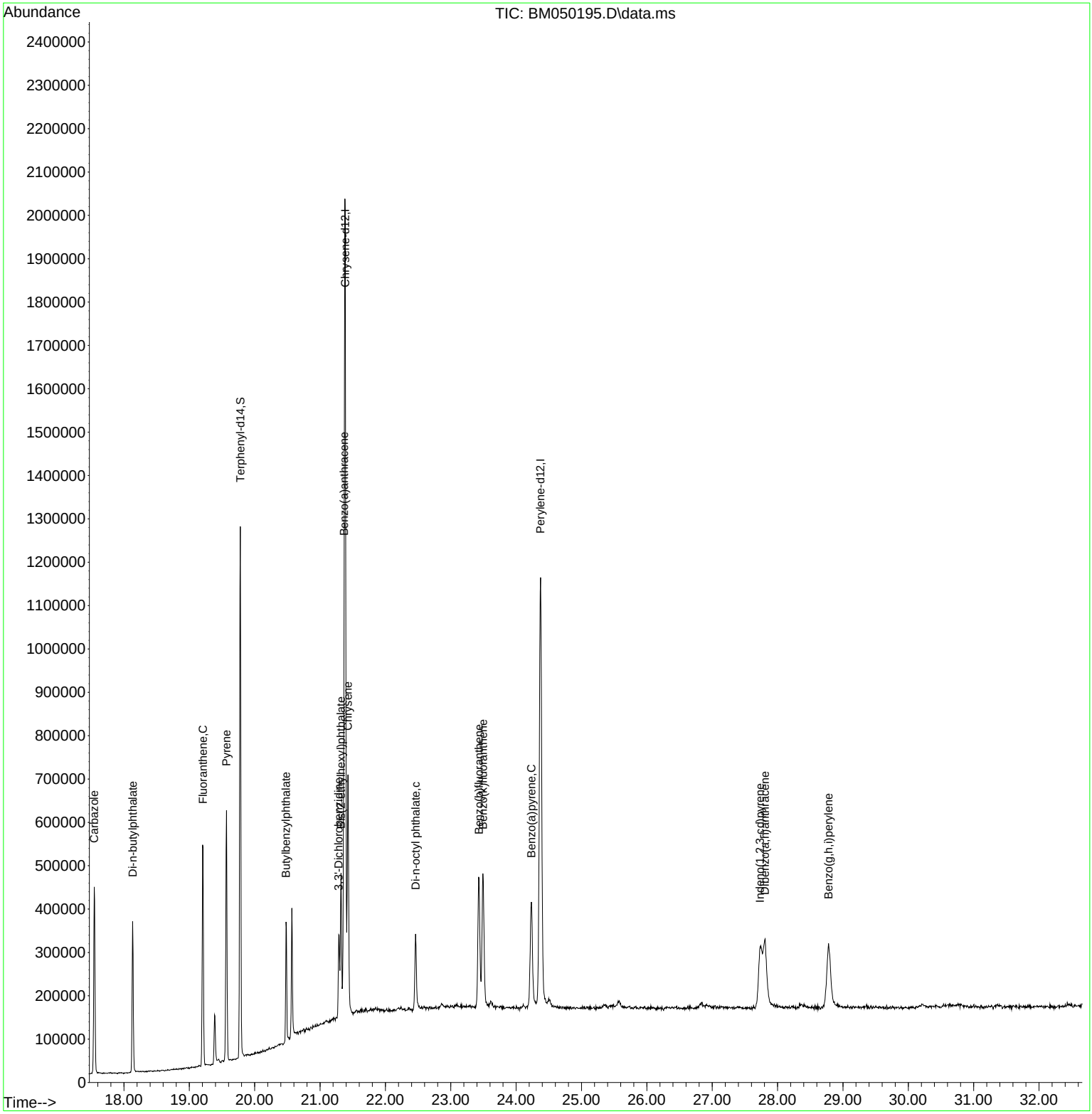
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050195.D
Acq On : 05 Jun 2025 09:59
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 05 15:12:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC005

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050196.D
Acq On : 05 Jun 2025 10:38
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

Quant Time: Jun 05 14:58:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.787 | 152 | 257321 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.575 | 136 | 1031213 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.416 | 164 | 597701 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.151 | 188 | 1092132 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.386 | 240 | 1044209 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.374 | 264 | 1027174 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.369 | 112 | 306899 | 19.895 | ng | | 0.00 |
| 7) Phenol-d6 | 6.946 | 99 | 391479 | 19.279 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.934 | 82 | 373577 | 18.841 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.898 | 330 | 127081 | 18.693 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.039 | 172 | 918043 | 20.795 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.780 | 244 | 1136477 | 20.625 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.293 | 88 | 71029 | 10.505 | ng | | 97 |
| 3) Pyridine | 3.687 | 79 | 173970 | 9.935 | ng | | 98 |
| 4) n-Nitrosodimethylamine | 3.599 | 42 | 34098 | 9.417 | ng | # | 99 |
| 6) Aniline | 7.110 | 93 | 259330 | 9.660 | ng | | 99 |
| 8) 2-Chlorophenol | 7.351 | 128 | 161982 | 9.547 | ng | | 99 |
| 9) Benzaldehyde | 6.928 | 77 | 139011 | 10.767 | ng | | 99 |
| 10) Phenol | 6.969 | 94 | 211509 | 9.844 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.210 | 93 | 169669 | 9.818 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.681 | 146 | 188081 | 9.915 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.822 | 146 | 198637 | 10.065 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.140 | 146 | 187370 | 9.959 | ng | | 99 |
| 15) Benzyl Alcohol | 8.022 | 79 | 134400 | 9.280 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.316 | 45 | 122149 | 10.175 | ng | | 97 |
| 17) 2-Methylphenol | 8.222 | 107 | 134124 | 9.461 | ng | | 100 |
| 18) Hexachloroethane | 8.869 | 117 | 70045 | 9.800 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.592 | 70 | 121867 | 9.807 | ng | | 97 |
| 20) 3+4-Methylphenols | 8.545 | 107 | 176847 | 9.324 | ng | | 99 |
| 22) Acetophenone | 8.604 | 105 | 260808 | 10.123 | ng | # | 98 |
| 24) Nitrobenzene | 8.975 | 77 | 173945 | 9.646 | ng | | 99 |
| 25) Isophorone | 9.504 | 82 | 321944 | 9.407 | ng | | 99 |
| 26) 2-Nitrophenol | 9.687 | 139 | 64131 | 8.239 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.751 | 122 | 153659 | 9.598 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.992 | 93 | 213076 | 9.531 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.216 | 162 | 135013 | 9.122 | ng | | 95 |
| 30) 1,2,4-Trichlorobenzene | 10.439 | 180 | 158337 | 9.614 | ng | | 99 |
| 31) Naphthalene | 10.628 | 128 | 536516 | 10.063 | ng | | 99 |
| 32) Benzoic acid | 9.810 | 122 | 65412 | 6.508 | ng | | 99 |
| 33) 4-Chloroaniline | 10.728 | 127 | 218016 | 9.591 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.922 | 225 | 94772 | 9.674 | ng | | 98 |
| 35) Caprolactam | 11.469 | 113 | 39590 | 8.437 | ng | | 95 |
| 36) 4-Chloro-3-methylphenol | 11.845 | 107 | 142482 | 9.022 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.239 | 142 | 305385 | 9.495 | ng | | 97 |
| 38) 1-Methylnaphthalene | 12.457 | 142 | 328309 | 9.617 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.610 | 216 | 167598 | 9.711 | ng | | 98 |
| 41) Hexachlorocyclopentadiene | 12.598 | 237 | 91203 | 8.701 | ng | | 95 |
| 43) 2,4,6-Trichlorophenol | 12.845 | 196 | 103556 | 9.124 | ng | | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050196.D
Acq On : 05 Jun 2025 10:38
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

Quant Time: Jun 05 14:58:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.910 | 196 | 114017 | 9.149 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.251 | 154 | 452133 | 10.102 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.286 | 162 | 356687 | 10.251 | ng | | 99 |
| 48) 2-Nitroaniline | 13.480 | 65 | 61491 | 8.031 | ng | | 89 |
| 49) Acenaphthylene | 14.133 | 152 | 548052 | 9.738 | ng | | 99 |
| 50) Dimethylphthalate | 13.874 | 163 | 384143 | 9.503 | ng | | 99 |
| 51) 2,6-Dinitrotoluene | 13.980 | 165 | 69112 | 8.478 | ng | | 95 |
| 52) Acenaphthene | 14.480 | 154 | 351485 | 9.985 | ng | | 99 |
| 53) 3-Nitroaniline | 14.304 | 138 | 75418 | 8.301 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.510 | 184 | 27888 | 10.741 | ng | | 98 |
| 55) Dibenzofuran | 14.816 | 168 | 511101 | 9.925 | ng | | 98 |
| 56) 4-Nitrophenol | 14.604 | 139 | 64450 | 8.335 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 14.763 | 165 | 84481 | 7.856 | ng | | 91 |
| 58) Fluorene | 15.463 | 166 | 405716 | 10.286 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.033 | 232 | 98715m | 9.156 | ng | | |
| 60) Diethylphthalate | 15.239 | 149 | 380099 | 9.477 | ng | | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.463 | 204 | 196034 | 10.283 | ng | | 100 |
| 62) 4-Nitroaniline | 15.463 | 138 | 70517 | 8.281 | ng | | 97 |
| 63) Azobenzene | 15.751 | 77 | 397398 | 9.913 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.527 | 198 | 40699 | 6.823 | ng | | 94 |
| 66) n-Nitrosodiphenylamine | 15.668 | 169 | 341695 | 9.957 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.351 | 248 | 111429 | 9.568 | ng | | 96 |
| 68) Hexachlorobenzene | 16.463 | 284 | 130925 | 9.622 | ng | | 99 |
| 69) Atrazine | 16.621 | 200 | 96720 | 8.846 | ng | | 98 |
| 70) Pentachlorophenol | 16.798 | 266 | 75315 | 8.513 | ng | | 100 |
| 71) Phenanthrene | 17.192 | 178 | 630983 | 10.114 | ng | | 99 |
| 72) Anthracene | 17.286 | 178 | 619530 | 9.926 | ng | | 99 |
| 73) Carbazole | 17.551 | 167 | 547511 | 9.629 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.133 | 149 | 549702 | 8.885 | ng | | 99 |
| 75) Fluoranthene | 19.204 | 202 | 622189 | 9.457 | ng | | 98 |
| 77) Benzidine | 19.392 | 184 | 199082 | 6.780 | ng | | 99 |
| 78) Pyrene | 19.568 | 202 | 682132 | 9.692 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.480 | 149 | 181298 | 7.723 | ng | | 96 |
| 81) Benzo(a)anthracene | 21.368 | 228 | 642785 | 9.725 | ng | | 98 |
| 82) 3,3'-Dichlorobenzidine | 21.292 | 252 | 157266 | 7.803 | ng | | 99 |
| 83) Chrysene | 21.427 | 228 | 618398 | 9.836 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.321 | 149 | 299821 | 8.291 | ng | | 96 |
| 85) Di-n-octyl phthalate | 22.462 | 149 | 380681 | 7.094 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 27.738 | 276 | 607722 | 9.189 | ng | # | 92 |
| 88) Benzo(b)fluoranthene | 23.433 | 252 | 555747 | 9.306 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 23.497 | 252 | 589937 | 9.677 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.233 | 252 | 517175 | 9.211 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 27.809 | 278 | 496324 | 9.245 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 28.785 | 276 | 502232 | 9.347 | ng | | 98 |

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

ICAL Form

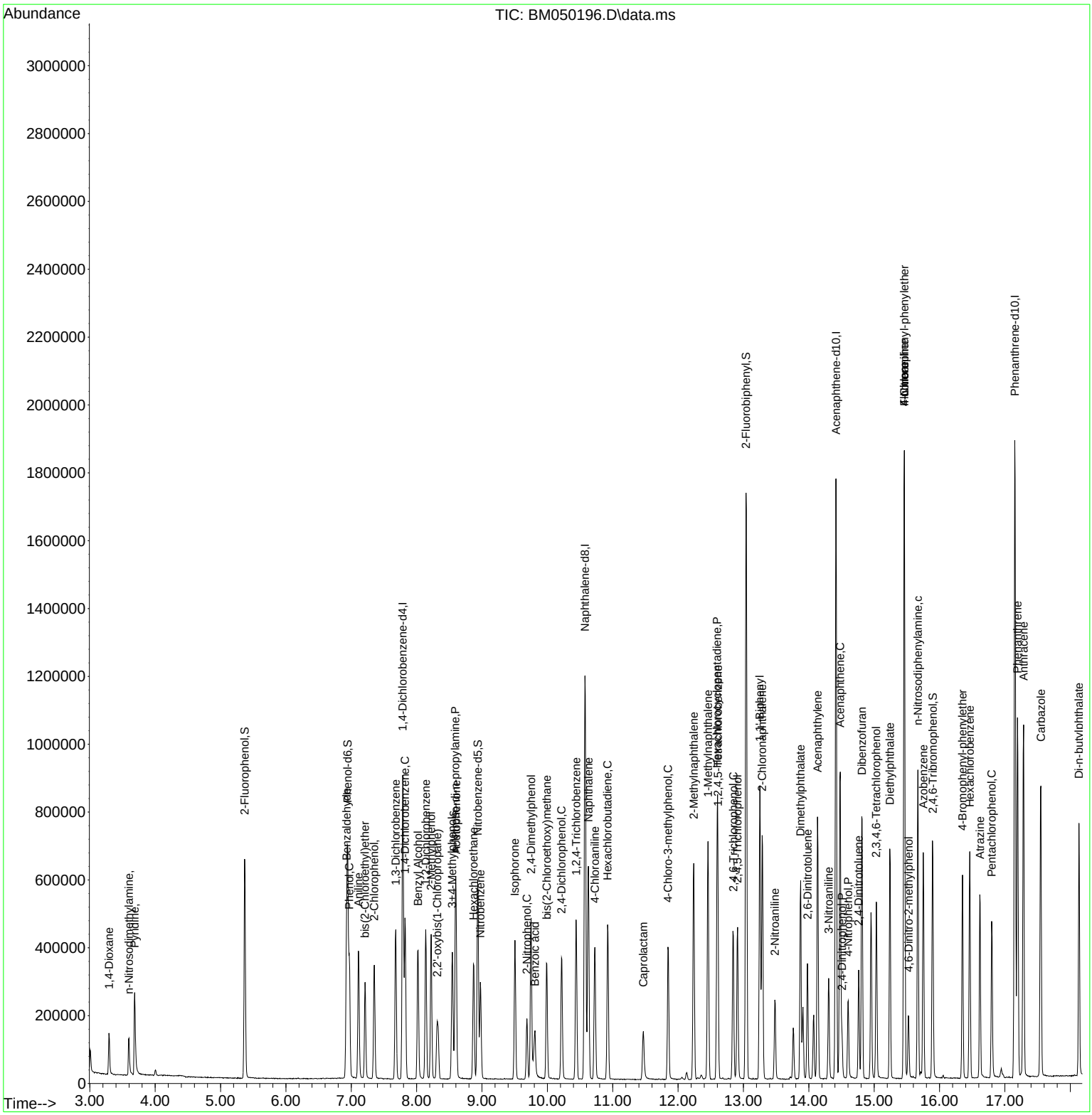
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050196.D
Acq On : 05 Jun 2025 10:38
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 14:58:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025



ICAL Form

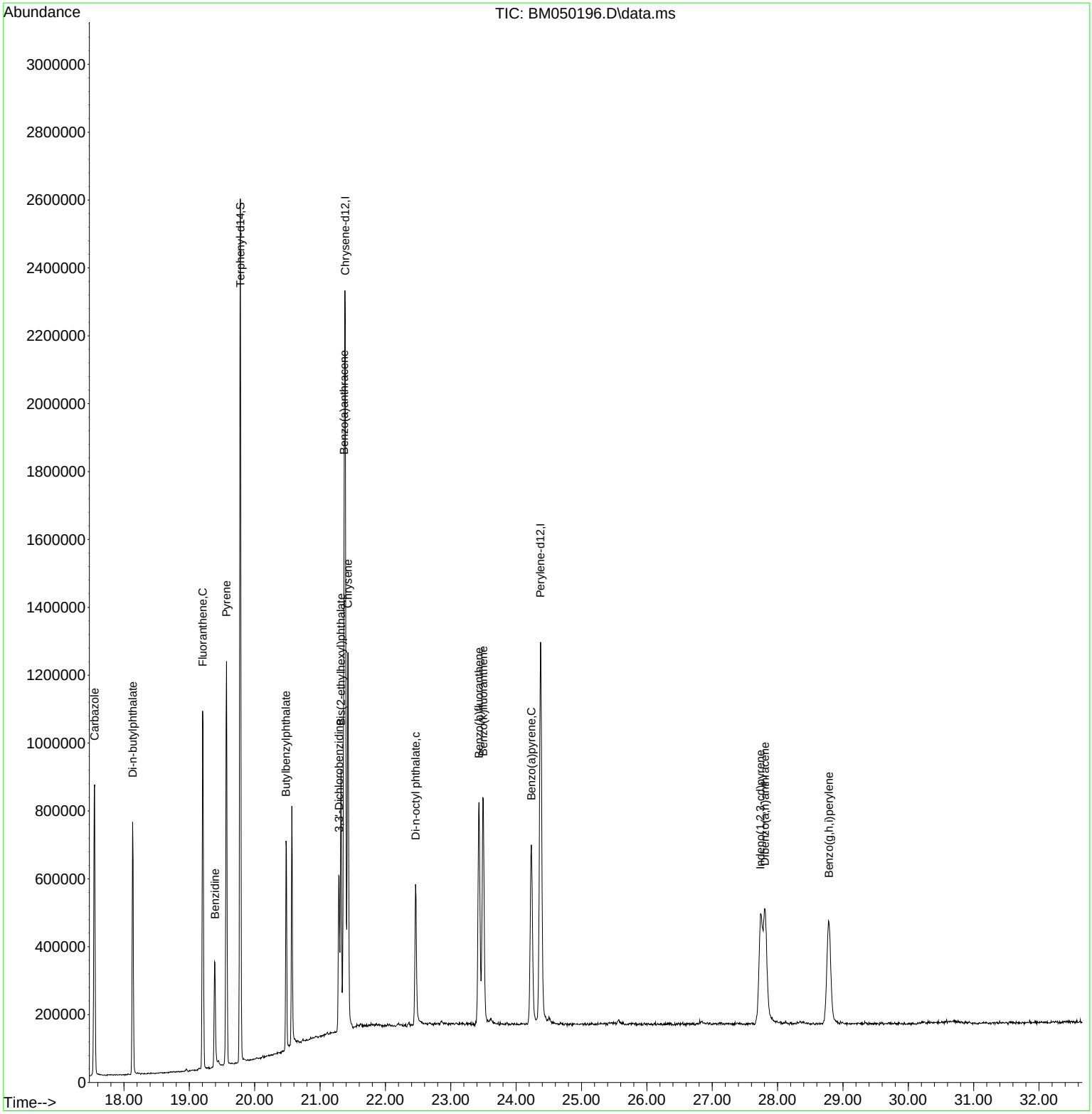
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050196.D
Acq On : 05 Jun 2025 10:38
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 05 14:58:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC010

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050197.D
Acq On : 05 Jun 2025 11:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

Quant Time: Jun 05 14:58:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.787 | 152 | 277976 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.575 | 136 | 1171357 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.416 | 164 | 720692 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.151 | 188 | 1364843 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.386 | 240 | 1240830 | 20.000 | ng | | 0.00 |
| 86) Perylene-d12 | 24.374 | 264 | 1156806 | 20.000 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.369 | 112 | 662532 | 39.759 | ng | | 0.00 |
| 7) Phenol-d6 | 6.946 | 99 | 899139 | 40.989 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.934 | 82 | 917335 | 40.730 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.898 | 330 | 342402 | 41.770 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.045 | 172 | 2208837 | 41.494 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.780 | 244 | 2892092 | 44.169 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.293 | 88 | 143316 | 19.620 | ng | | 99 |
| 3) Pyridine | 3.681 | 79 | 380901 | 20.136 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.593 | 42 | 77508 | 19.815 | ng | # | 97 |
| 6) Aniline | 7.110 | 93 | 596745 | 20.578 | ng | | 100 |
| 8) 2-Chlorophenol | 7.352 | 128 | 373594 | 20.382 | ng | | 99 |
| 9) Benzaldehyde | 6.928 | 77 | 299039m | 21.441 | ng | | |
| 10) Phenol | 6.975 | 94 | 475205 | 20.474 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 7.210 | 93 | 383515 | 20.543 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.681 | 146 | 414543 | 20.230 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.822 | 146 | 434797 | 20.394 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.140 | 146 | 414769 | 20.407 | ng | | 99 |
| 15) Benzyl Alcohol | 8.022 | 79 | 320142 | 20.462 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.316 | 45 | 270693 | 20.873 | ng | | 98 |
| 17) 2-Methylphenol | 8.222 | 107 | 314991 | 20.568 | ng | | 97 |
| 18) Hexachloroethane | 8.869 | 117 | 153532 | 19.885 | ng | | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.593 | 70 | 297971 | 22.197 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.546 | 107 | 426134 | 20.798 | ng | | 98 |
| 22) Acetophenone | 8.605 | 105 | 605945 | 20.706 | ng | # | 98 |
| 24) Nitrobenzene | 8.975 | 77 | 420036 | 20.506 | ng | | 97 |
| 25) Isophorone | 9.504 | 82 | 802320 | 20.639 | ng | | 100 |
| 26) 2-Nitrophenol | 9.687 | 139 | 170594 | 19.294 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.752 | 122 | 368697 | 20.275 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 9.993 | 93 | 523393 | 20.610 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.222 | 162 | 338221 | 20.118 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.440 | 180 | 375562 | 20.074 | ng | | 99 |
| 31) Naphthalene | 10.628 | 128 | 1236626 | 20.419 | ng | | 100 |
| 32) Benzoic acid | 9.840 | 122 | 205878 | 18.032 | ng | | 99 |
| 33) 4-Chloroaniline | 10.728 | 127 | 531493 | 20.585 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.922 | 225 | 221558 | 19.910 | ng | | 99 |
| 35) Caprolactam | 11.481 | 113 | 109175 | 20.483 | ng | | 98 |
| 36) 4-Chloro-3-methylphenol | 11.851 | 107 | 366554 | 20.433 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.240 | 142 | 752886 | 20.607 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.457 | 142 | 806687 | 20.803 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.610 | 216 | 421559 | 20.257 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.598 | 237 | 244251 | 19.326 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.845 | 196 | 273306 | 19.971 | ng | | 97 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050197.D
Acq On : 05 Jun 2025 11:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

Quant Time: Jun 05 14:58:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.910 | 196 | 305541 | 20.334 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.251 | 154 | 1091201 | 20.221 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.292 | 162 | 850349 | 20.269 | ng | | 99 |
| 48) 2-Nitroaniline | 13.481 | 65 | 181276 | 19.634 | ng | | 96 |
| 49) Acenaphthylene | 14.139 | 152 | 1398350 | 20.607 | ng | | 99 |
| 50) Dimethylphthalate | 13.875 | 163 | 1007787 | 20.677 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.981 | 165 | 204779 | 20.834 | ng | | 96 |
| 52) Acenaphthene | 14.481 | 154 | 854295 | 20.128 | ng | | 99 |
| 53) 3-Nitroaniline | 14.304 | 138 | 224884 | 20.528 | ng | | 97 |
| 54) 2,4-Dinitrophenol | 14.510 | 184 | 94248 | 19.130 | ng | | 98 |
| 55) Dibenzofuran | 14.816 | 168 | 1279459 | 20.605 | ng | | 98 |
| 56) 4-Nitrophenol | 14.604 | 139 | 191313 | 20.518 | ng | | 100 |
| 57) 2,4-Dinitrotoluene | 14.769 | 165 | 263119 | 20.293 | ng | | 99 |
| 58) Fluorene | 15.463 | 166 | 1004752 | 21.126 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.034 | 232 | 266423 | 20.493 | ng | | 92 |
| 60) Diethylphthalate | 15.245 | 149 | 1020737 | 21.107 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.463 | 204 | 480887 | 20.921 | ng | | 99 |
| 62) 4-Nitroaniline | 15.463 | 138 | 210030 | 20.456 | ng | | 98 |
| 63) Azobenzene | 15.751 | 77 | 1019944 | 21.101 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.528 | 198 | 138015 | 18.514 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.669 | 169 | 872651 | 20.349 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.351 | 248 | 293588 | 20.172 | ng | | 99 |
| 68) Hexachlorobenzene | 16.463 | 284 | 345929 | 20.343 | ng | | 99 |
| 69) Atrazine | 16.622 | 200 | 281360 | 20.591 | ng | | 98 |
| 70) Pentachlorophenol | 16.798 | 266 | 225494 | 20.396 | ng | | 98 |
| 71) Phenanthrene | 17.192 | 178 | 1583183 | 20.305 | ng | | 99 |
| 72) Anthracene | 17.286 | 178 | 1603637 | 20.560 | ng | | 99 |
| 73) Carbazole | 17.551 | 167 | 1450582 | 20.414 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.133 | 149 | 1619797 | 20.950 | ng | | 100 |
| 75) Fluoranthene | 19.210 | 202 | 1679948 | 20.431 | ng | | 99 |
| 77) Benzidine | 19.392 | 184 | 704620 | 20.194 | ng | | 99 |
| 78) Pyrene | 19.569 | 202 | 1791963 | 21.427 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.480 | 149 | 570581 | 20.453 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.363 | 228 | 1610203 | 20.502 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.286 | 252 | 470294 | 19.636 | ng | | 98 |
| 83) Chrysene | 21.427 | 228 | 1519821 | 20.343 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.315 | 149 | 871329 | 20.277 | ng | | 98 |
| 85) Di-n-octyl phthalate | 22.457 | 149 | 1161953 | 18.223 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 27.739 | 276 | 1450383 | 19.472 | ng | # | 91 |
| 88) Benzo(b)fluoranthene | 23.427 | 252 | 1393549 | 20.720 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.492 | 252 | 1413975 | 20.594 | ng | | 100 |
| 90) Benzo(a)pyrene | 24.233 | 252 | 1284647 | 20.315 | ng | | 98 |
| 91) Dibenzo(a,h)anthracene | 27.809 | 278 | 1181274 | 19.538 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 28.791 | 276 | 1171360 | 19.358 | ng | | 99 |

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

ICAL Form

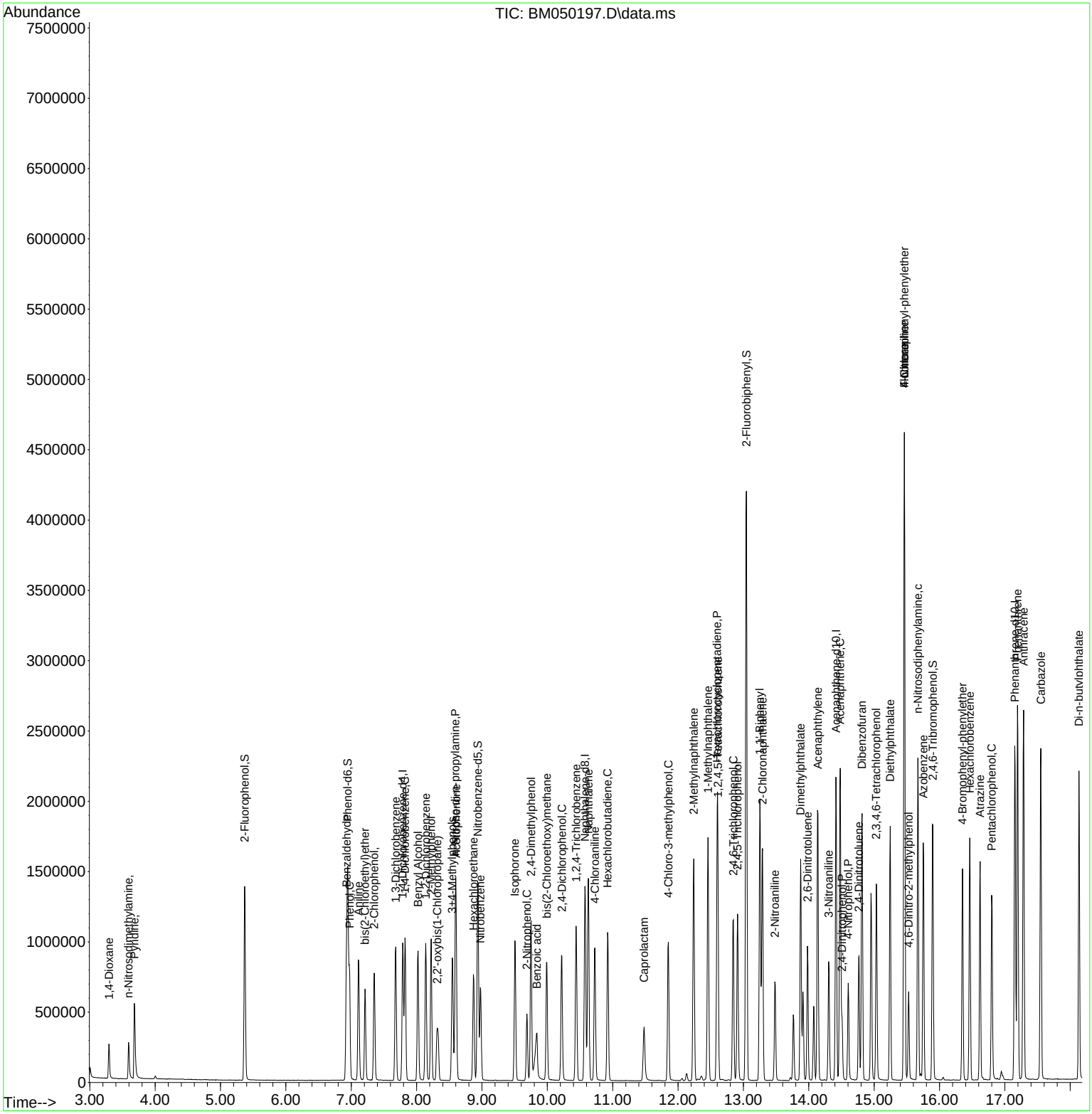
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050197.D
Acq On : 05 Jun 2025 11:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 14:58:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



ICAL Form

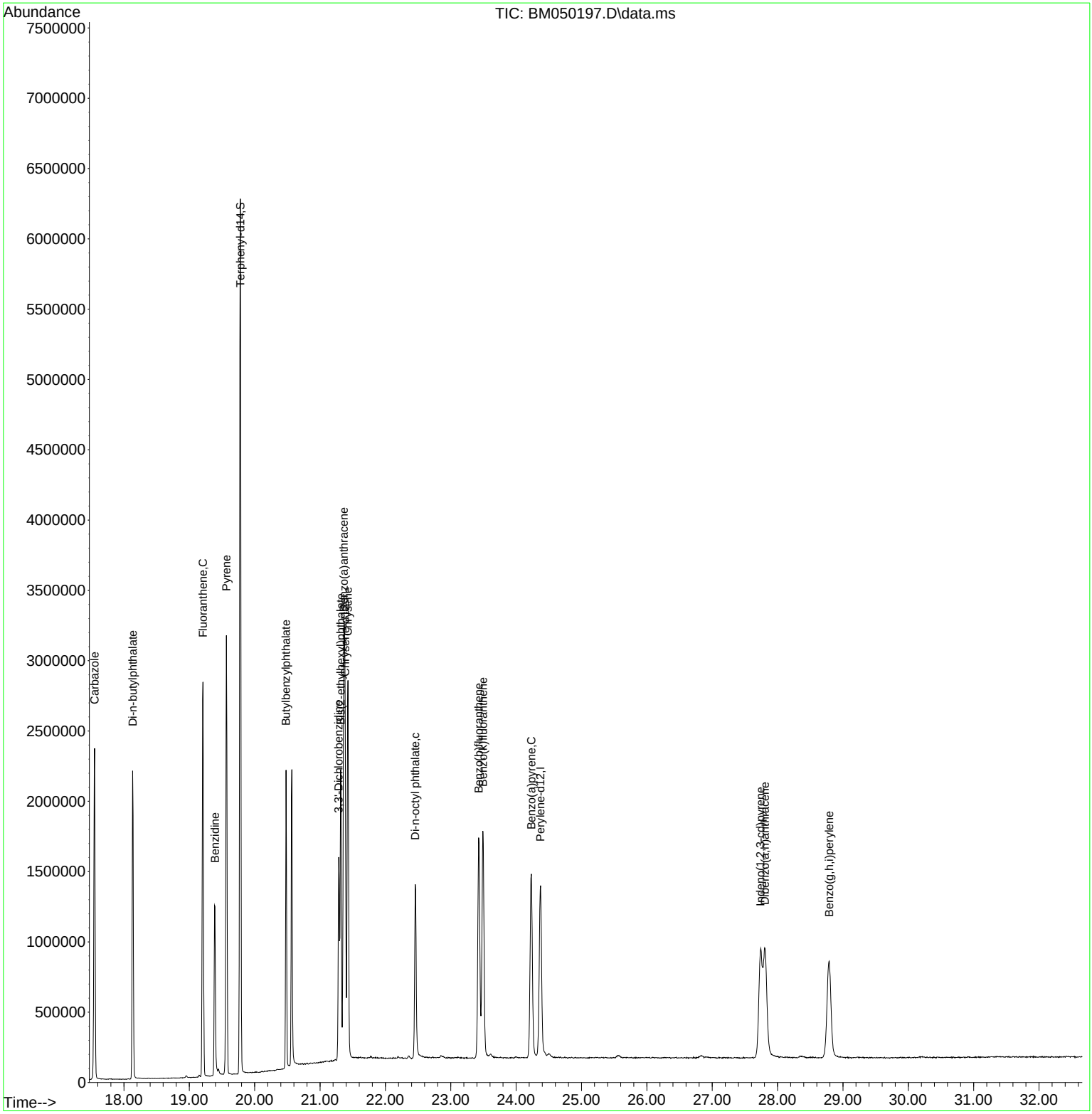
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050197.D
Acq On : 05 Jun 2025 11:17
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 05 14:58:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC020

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050198.D
Acq On : 05 Jun 2025 11:57
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 14:58:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.793 | 152 | 308806 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.575 | 136 | 1316349 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.416 | 164 | 819036 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.151 | 188 | 1590674 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.386 | 240 | 1484493 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.374 | 264 | 1410376 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.369 | 112 | 1414880 | 76.431 | ng | 0.00 |
| 7) Phenol-d6 | 6.952 | 99 | 1932648 | 79.307 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.940 | 82 | 1984901 | 78.422 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.898 | 330 | 756605 | 81.216 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.045 | 172 | 4510866 | 74.564 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.780 | 244 | 5997941 | 76.566 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.293 | 88 | 296051 | 36.484 | ng | 100 |
| 3) Pyridine | 3.681 | 79 | 809743 | 38.534 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.593 | 42 | 167736 | 38.601 | ng | 100 |
| 6) Aniline | 7.116 | 93 | 1275182 | 39.583 | ng | 100 |
| 8) 2-Chlorophenol | 7.352 | 128 | 799983 | 39.288 | ng | 100 |
| 9) Benzaldehyde | 6.928 | 77 | 542319 | 35.003 | ng | 100 |
| 10) Phenol | 6.975 | 94 | 1015393 | 39.380 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 7.211 | 93 | 812045 | 39.155 | ng | 100 |
| 12) 1,3-Dichlorobenzene | 7.681 | 146 | 871882 | 38.301 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 7.822 | 146 | 895582 | 37.813 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 8.140 | 146 | 865951 | 38.353 | ng | 100 |
| 15) Benzyl Alcohol | 8.022 | 79 | 704555 | 40.536 | ng | 100 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.322 | 45 | 561618 | 38.982 | ng | 100 |
| 17) 2-Methylphenol | 8.222 | 107 | 684260 | 40.220 | ng | 100 |
| 18) Hexachloroethane | 8.869 | 117 | 329145 | 38.374 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 8.599 | 70 | 618395 | 41.468 | ng | 100 |
| 20) 3+4-Methylphenols | 8.552 | 107 | 932041 | 40.948 | ng | 100 |
| 22) Acetophenone | 8.605 | 105 | 1252780 | 38.094 | ng | 100 |
| 24) Nitrobenzene | 8.981 | 77 | 893607 | 38.820 | ng | 100 |
| 25) Isophorone | 9.510 | 82 | 1735374 | 39.724 | ng | 100 |
| 26) 2-Nitrophenol | 9.687 | 139 | 407943 | 41.055 | ng | 100 |
| 27) 2,4-Dimethylphenol | 9.752 | 122 | 798142 | 39.057 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.993 | 93 | 1123606 | 39.371 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.222 | 162 | 752942 | 39.853 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.440 | 180 | 803693 | 38.227 | ng | 100 |
| 31) Naphthalene | 10.628 | 128 | 2571805 | 37.788 | ng | 100 |
| 32) Benzoic acid | 9.875 | 122 | 538152 | 41.942 | ng | 100 |
| 33) 4-Chloroaniline | 10.728 | 127 | 1139540 | 39.273 | ng | 100 |
| 34) Hexachlorobutadiene | 10.922 | 225 | 480290 | 38.406 | ng | 100 |
| 35) Caprolactam | 11.499 | 113 | 256391 | 42.805 | ng | 100 |
| 36) 4-Chloro-3-methylphenol | 11.851 | 107 | 824664 | 40.906 | ng | 100 |
| 37) 2-Methylnaphthalene | 12.240 | 142 | 1619990 | 39.456 | ng | 100 |
| 38) 1-Methylnaphthalene | 12.457 | 142 | 1708673 | 39.210 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.610 | 216 | 886232 | 37.472 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 12.598 | 237 | 558871 | 38.910 | ng | 100 |
| 43) 2,4,6-Trichlorophenol | 12.845 | 196 | 613571 | 39.450 | ng | 100 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050198.D
Acq On : 05 Jun 2025 11:57
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**
Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

Quant Time: Jun 05 14:58:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.916 | 196 | 678534 | 39.736 | ng | 100 |
| 46) 1,1'-Biphenyl | 13.257 | 154 | 2299241 | 37.491 | ng | 100 |
| 47) 2-Chloronaphthalene | 13.293 | 162 | 1775515 | 37.239 | ng | 100 |
| 48) 2-Nitroaniline | 13.487 | 65 | 439212 | 41.860 | ng | 100 |
| 49) Acenaphthylene | 14.140 | 152 | 2979847 | 38.640 | ng | 100 |
| 50) Dimethylphthalate | 13.881 | 163 | 2200039 | 39.718 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.987 | 165 | 473177 | 42.359 | ng | 100 |
| 52) Acenaphthene | 14.481 | 154 | 1854951 | 38.456 | ng | 100 |
| 53) 3-Nitroaniline | 14.310 | 138 | 529333 | 42.518 | ng | 100 |
| 54) 2,4-Dinitrophenol | 14.510 | 184 | 249778 | 37.659 | ng | 100 |
| 55) Dibenzofuran | 14.816 | 168 | 2721863 | 38.571 | ng | 100 |
| 56) 4-Nitrophenol | 14.610 | 139 | 449268 | 42.399 | ng | 100 |
| 57) 2,4-Dinitrotoluene | 14.769 | 165 | 648297 | 43.996 | ng | 100 |
| 58) Fluorene | 15.463 | 166 | 2075880 | 38.407 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.039 | 232 | 597496m | 40.441 | ng | |
| 60) Diethylphthalate | 15.245 | 149 | 2205514 | 40.130 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.463 | 204 | 1001298 | 38.331 | ng | 100 |
| 62) 4-Nitroaniline | 15.475 | 138 | 503785 | 43.174 | ng | 100 |
| 63) Azobenzene | 15.757 | 77 | 2151453 | 39.165 | ng | 100 |
| 65) 4,6-Dinitro-2-methylph... | 15.534 | 198 | 353237 | 40.658 | ng | 100 |
| 66) n-Nitrosodiphenylamine | 15.675 | 169 | 1888442 | 37.784 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.351 | 248 | 648140 | 38.210 | ng | 100 |
| 68) Hexachlorobenzene | 16.463 | 284 | 755736 | 38.133 | ng | 100 |
| 69) Atrazine | 16.622 | 200 | 654294 | 41.086 | ng | 100 |
| 70) Pentachlorophenol | 16.804 | 266 | 520982 | 40.433 | ng | 100 |
| 71) Phenanthrene | 17.198 | 178 | 3406564 | 37.488 | ng | 100 |
| 72) Anthracene | 17.286 | 178 | 3455118 | 38.008 | ng | 100 |
| 73) Carbazole | 17.551 | 167 | 3209816 | 38.758 | ng | 100 |
| 74) Di-n-butylphthalate | 18.133 | 149 | 3688687 | 40.935 | ng | 100 |
| 75) Fluoranthene | 19.210 | 202 | 3748435 | 39.116 | ng | 100 |
| 77) Benzidine | 19.392 | 184 | 1831158 | 43.865 | ng | 100 |
| 78) Pyrene | 19.569 | 202 | 3930978 | 39.288 | ng | 100 |
| 80) Butylbenzylphthalate | 20.480 | 149 | 1455291 | 43.604 | ng | 100 |
| 81) Benzo(a)anthracene | 21.368 | 228 | 3616438 | 38.488 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.292 | 252 | 1232348 | 43.008 | ng | 100 |
| 83) Chrysene | 21.427 | 228 | 3415842 | 38.218 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.321 | 149 | 2198448 | 42.764 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.462 | 149 | 3308886 | 43.375 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 27.756 | 276 | 3359194 | 36.991 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.433 | 252 | 3299020 | 40.232 | ng | 100 |
| 89) Benzo(k)fluoranthene | 23.498 | 252 | 3292030 | 39.327 | ng | 100 |
| 90) Benzo(a)pyrene | 24.239 | 252 | 3048619 | 39.542 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 27.821 | 278 | 2740891 | 37.184 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 28.797 | 276 | 2690355 | 36.467 | ng | 100 |

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

ICAL Form

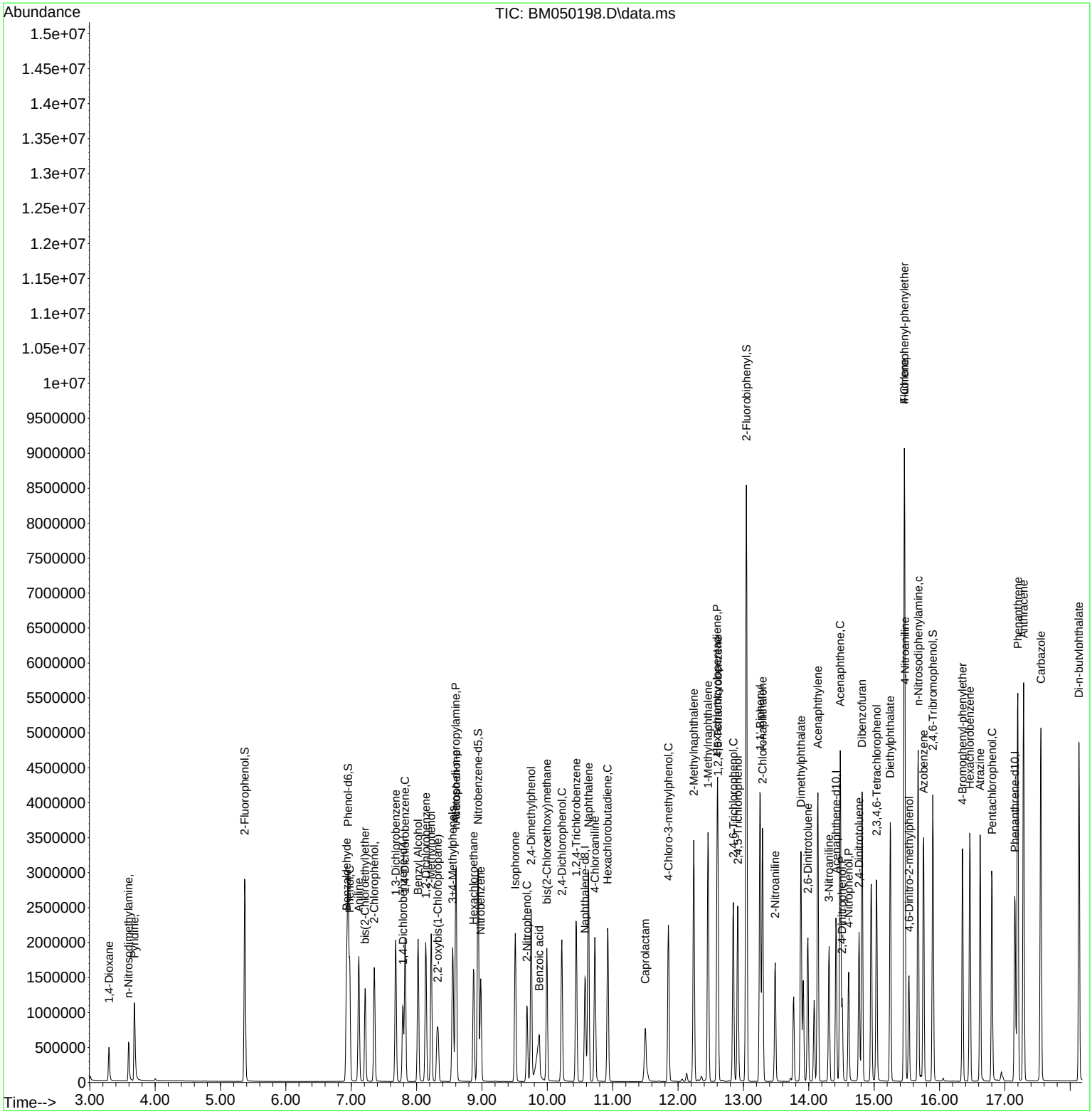
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050198.D
Acq On : 05 Jun 2025 11:57
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 14:58:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025



ICAL Form

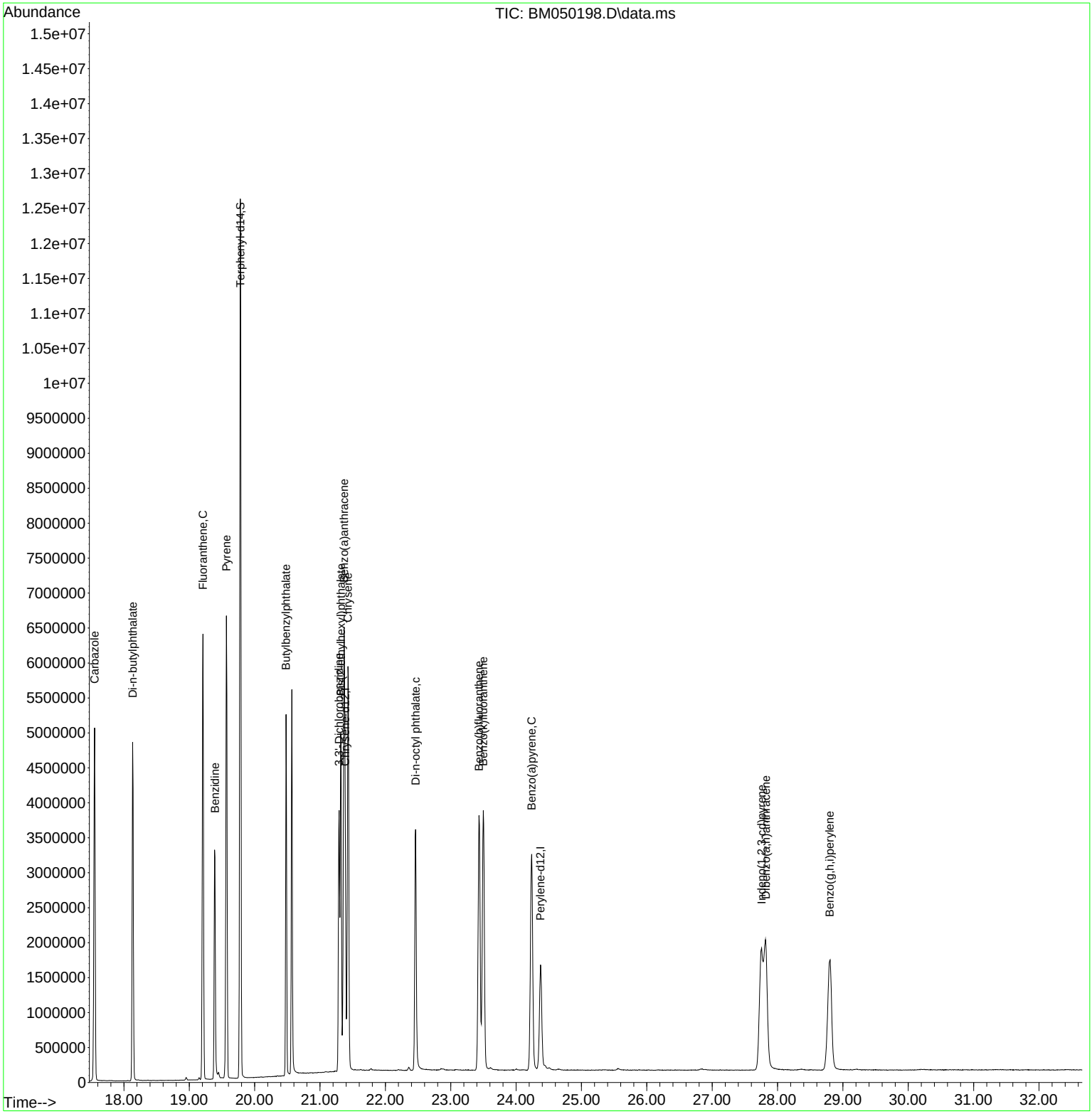
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050198.D
Acq On : 05 Jun 2025 11:57
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 05 14:58:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICCC040

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050199.D
Acq On : 05 Jun 2025 12:36
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Quant Time: Jun 05 14:59:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.787 | 152 | 291057 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.581 | 136 | 1245308 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.416 | 164 | 784298 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.157 | 188 | 1523841 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.392 | 240 | 1446151 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.374 | 264 | 1421732 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.369 | 112 | 1802037 | 103.281 | ng | 0.00 |
| 7) Phenol-d6 | 6.951 | 99 | 2472934 | 107.666 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.939 | 82 | 2579483 | 107.728 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.904 | 330 | 994114 | 111.437 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.045 | 172 | 5738887 | 99.064 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.786 | 244 | 7692376 | 100.800 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.293 | 88 | 371991 | 48.638 | ng | 100 |
| 3) Pyridine | 3.681 | 79 | 1036652 | 52.340 | ng | 98 |
| 4) n-Nitrosodimethylamine | 3.593 | 42 | 215821 | 52.696 | ng | 95 |
| 6) Aniline | 7.116 | 93 | 1637124 | 53.917 | ng | 100 |
| 8) 2-Chlorophenol | 7.351 | 128 | 1032007 | 53.773 | ng | 99 |
| 9) Benzaldehyde | 6.928 | 77 | 709626 | 48.594 | ng | 99 |
| 10) Phenol | 6.981 | 94 | 1296462 | 53.347 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.216 | 93 | 1039221 | 53.164 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 7.681 | 146 | 1124523 | 52.412 | ng | 100 |
| 13) 1,4-Dichlorobenzene | 7.822 | 146 | 1157927 | 51.870 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 8.140 | 146 | 1120717 | 52.663 | ng | 99 |
| 15) Benzyl Alcohol | 8.022 | 79 | 921887 | 56.274 | ng | 97 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.322 | 45 | 711769 | 52.417 | ng | 99 |
| 17) 2-Methylphenol | 8.222 | 107 | 878183 | 54.767 | ng | 100 |
| 18) Hexachloroethane | 8.869 | 117 | 431469 | 53.371 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.598 | 70 | 797673 | 56.751 | ng | 100 |
| 20) 3+4-Methylphenols | 8.551 | 107 | 1208370 | 56.326 | ng | 98 |
| 22) Acetophenone | 8.604 | 105 | 1616196 | 51.949 | ng | 99 |
| 24) Nitrobenzene | 8.981 | 77 | 1151898 | 52.895 | ng | 99 |
| 25) Isophorone | 9.510 | 82 | 2280770 | 55.187 | ng | 100 |
| 26) 2-Nitrophenol | 9.692 | 139 | 552994 | 58.828 | ng | 98 |
| 27) 2,4-Dimethylphenol | 9.751 | 122 | 1034501 | 53.511 | ng | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.992 | 93 | 1463553 | 54.208 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.222 | 162 | 991973 | 55.499 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.439 | 180 | 1048864 | 52.734 | ng | 98 |
| 31) Naphthalene | 10.628 | 128 | 3303529 | 51.309 | ng | 100 |
| 32) Benzoic acid | 9.892 | 122 | 725550 | 59.774 | ng | 99 |
| 33) 4-Chloroaniline | 10.728 | 127 | 1484906 | 54.095 | ng | 99 |
| 34) Hexachlorobutadiene | 10.928 | 225 | 629209 | 53.185 | ng | 99 |
| 35) Caprolactam | 11.510 | 113 | 348835 | 61.561 | ng | 98 |
| 36) 4-Chloro-3-methylphenol | 11.857 | 107 | 1081009 | 56.680 | ng | 100 |
| 37) 2-Methylnaphthalene | 12.239 | 142 | 2112994 | 54.400 | ng | 98 |
| 38) 1-Methylnaphthalene | 12.463 | 142 | 2223932 | 53.945 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.610 | 216 | 1155693 | 51.030 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 12.598 | 237 | 749110 | 54.466 | ng | 98 |
| 43) 2,4,6-Trichlorophenol | 12.845 | 196 | 810794 | 54.440 | ng | 100 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050199.D
Acq On : 05 Jun 2025 12:36
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Quant Time: Jun 05 14:59:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

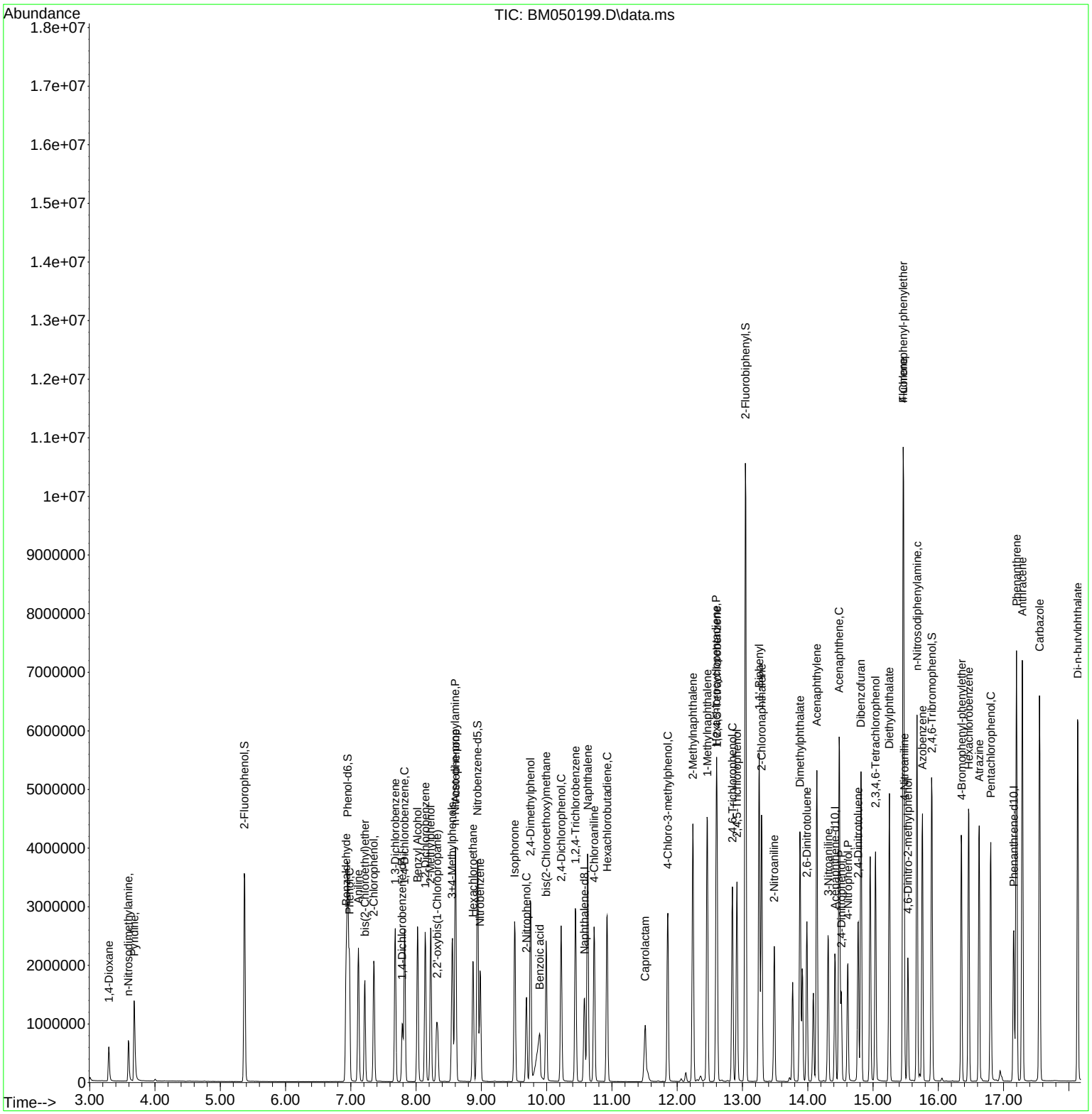
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.916 | 196 | 896452 | 54.822 | ng | 100 |
| 46) 1,1'-Biphenyl | 13.257 | 154 | 2992234 | 50.951 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.292 | 162 | 2296762 | 50.305 | ng | 99 |
| 48) 2-Nitroaniline | 13.486 | 65 | 591382 | 58.859 | ng | 99 |
| 49) Acenaphthylene | 14.139 | 152 | 3878499 | 52.521 | ng | 100 |
| 50) Dimethylphthalate | 13.880 | 163 | 2890771 | 54.500 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.986 | 165 | 627879 | 58.698 | ng | 97 |
| 52) Acenaphthene | 14.480 | 154 | 2406891 | 52.109 | ng | 99 |
| 53) 3-Nitroaniline | 14.316 | 138 | 706323 | 59.247 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.516 | 184 | 350975 | 54.263 | ng | 91 |
| 55) Dibenzofuran | 14.816 | 168 | 3522761 | 52.131 | ng | 100 |
| 56) 4-Nitrophenol | 14.616 | 139 | 601906 | 59.319 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 14.774 | 165 | 876137 | 62.091 | ng | 97 |
| 58) Fluorene | 15.463 | 166 | 2643113 | 51.068 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.039 | 232 | 786725 | 55.608 | ng | 92 |
| 60) Diethylphthalate | 15.251 | 149 | 2921964 | 55.521 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.463 | 204 | 1293938 | 51.728 | ng | 99 |
| 62) 4-Nitroaniline | 15.480 | 138 | 669832 | 59.947 | ng | 99 |
| 63) Azobenzene | 15.757 | 77 | 2829707 | 53.794 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.533 | 198 | 487410 | 58.562 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.674 | 169 | 2459825 | 51.375 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.357 | 248 | 868132 | 53.423 | ng | 97 |
| 68) Hexachlorobenzene | 16.468 | 284 | 993147 | 52.310 | ng | 96 |
| 69) Atrazine | 16.627 | 200 | 878900 | 57.610 | ng | 100 |
| 70) Pentachlorophenol | 16.804 | 266 | 711985 | 57.680 | ng | 100 |
| 71) Phenanthrene | 17.198 | 178 | 4421661 | 50.793 | ng | 100 |
| 72) Anthracene | 17.286 | 178 | 4499098 | 51.663 | ng | 99 |
| 73) Carbazole | 17.551 | 167 | 4203693 | 52.985 | ng | 100 |
| 74) Di-n-butylphthalate | 18.139 | 149 | 4951541 | 57.359 | ng | 100 |
| 75) Fluoranthene | 19.209 | 202 | 4957680 | 54.004 | ng | 99 |
| 77) Benzidine | 19.392 | 184 | 2489372 | 61.214 | ng | 100 |
| 78) Pyrene | 19.568 | 202 | 5143501 | 52.769 | ng | 99 |
| 80) Butylbenzylphthalate | 20.486 | 149 | 2036123 | 62.625 | ng | 98 |
| 81) Benzo(a)anthracene | 21.368 | 228 | 4836514 | 52.838 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.292 | 252 | 1721840 | 61.684 | ng | 99 |
| 83) Chrysene | 21.433 | 228 | 4540308 | 52.145 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.321 | 149 | 3074950 | 61.400 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.462 | 149 | 4912405 | 66.103 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 27.762 | 276 | 4685372 | 51.183 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.439 | 252 | 4510196 | 54.563 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.503 | 252 | 4604565 | 54.567 | ng | 99 |
| 90) Benzo(a)pyrene | 24.238 | 252 | 4255236 | 54.752 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 27.821 | 278 | 3820009 | 51.410 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 28.803 | 276 | 3684864 | 49.548 | ng | 99 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050199.D
Acq On : 05 Jun 2025 12:36
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

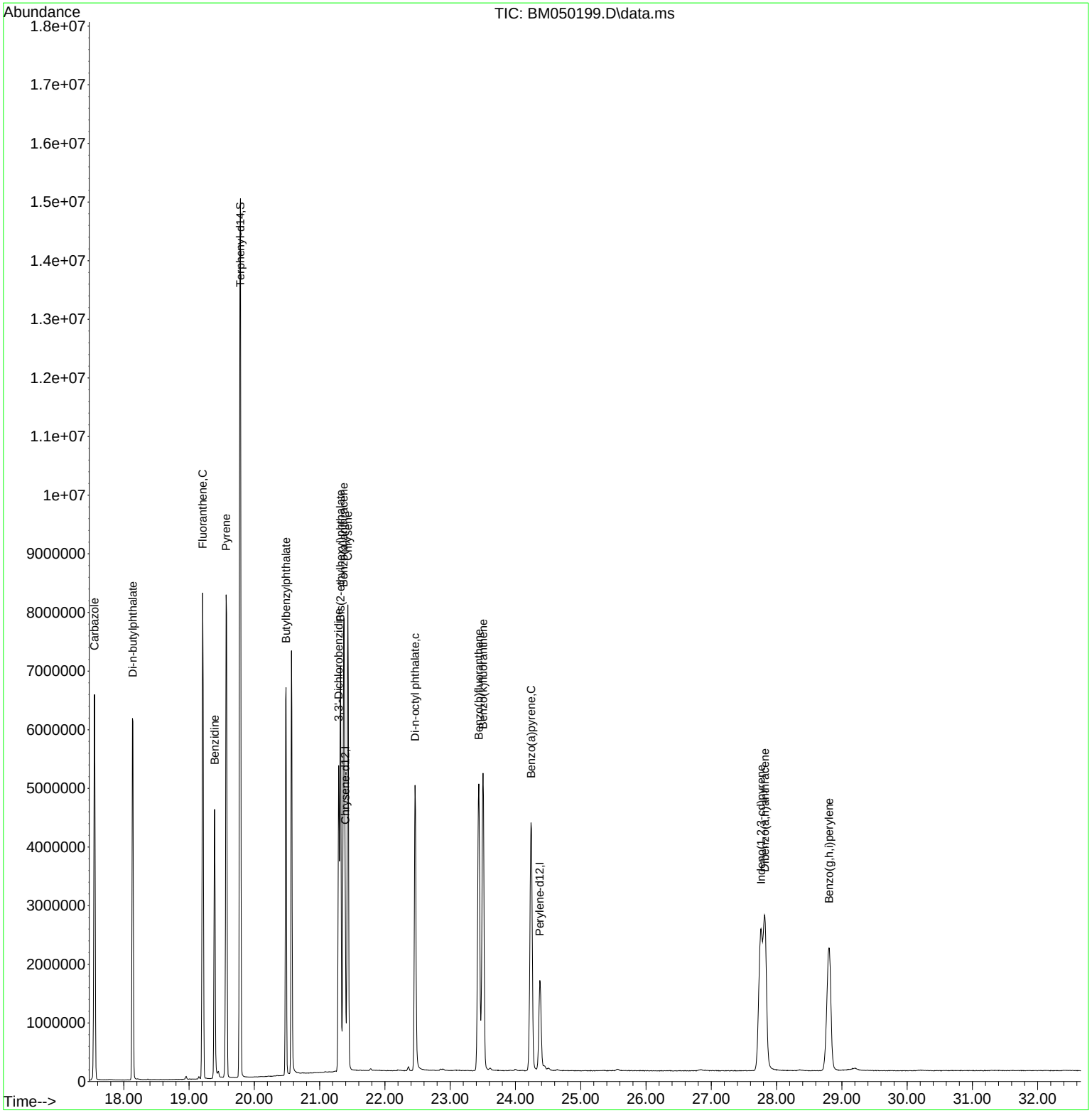
Quant Time: Jun 05 14:59:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050199.D
Acq On : 05 Jun 2025 12:36
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC050

Quant Time: Jun 05 14:59:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050200.D
Acq On : 05 Jun 2025 13:16
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Quant Time: Jun 05 14:59:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.787 | 152 | 258988 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.580 | 136 | 988400 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.416 | 164 | 551586 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.151 | 188 | 997337 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.386 | 240 | 1056136 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.374 | 264 | 1194662 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.375 | 112 | 1901282 | 122.462 | ng | 0.00 |
| 7) Phenol-d6 | 6.951 | 99 | 2424424 | 118.624 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.939 | 82 | 2406327 | 126.617 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.898 | 330 | 772080 | 123.062 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.045 | 172 | 4898196 | 120.225 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.780 | 244 | 6053045 | 108.610 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.293 | 88 | 416291 | 61.170 | ng | 99 |
| 3) Pyridine | 3.681 | 79 | 1079098 | 61.229 | ng | 100 |
| 4) n-Nitrosodimethylamine | 3.599 | 42 | 227764 | 62.498 | ng | 99 |
| 6) Aniline | 7.116 | 93 | 1603778 | 59.359 | ng | 100 |
| 8) 2-Chlorophenol | 7.357 | 128 | 1039425 | 60.866 | ng | 98 |
| 9) Benzaldehyde | 6.928 | 77 | 624366 | 48.050 | ng | 99 |
| 10) Phenol | 6.981 | 94 | 1271828 | 58.814 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.216 | 93 | 1006488 | 57.865 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 7.681 | 146 | 1154067 | 60.449 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 7.828 | 146 | 1184887 | 59.650 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.139 | 146 | 1126847 | 59.508 | ng | 100 |
| 15) Benzyl Alcohol | 8.022 | 79 | 856127 | 58.731 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.316 | 45 | 670877 | 55.523 | ng | 98 |
| 17) 2-Methylphenol | 8.222 | 107 | 836890 | 58.654 | ng | 100 |
| 18) Hexachloroethane | 8.875 | 117 | 434277 | 60.370 | ng | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.598 | 70 | 703599 | 56.257 | ng | 99 |
| 20) 3+4-Methylphenols | 8.551 | 107 | 1116126 | 58.468 | ng | 99 |
| 22) Acetophenone | 8.604 | 105 | 1467978 | 59.449 | ng | 99 |
| 24) Nitrobenzene | 8.981 | 77 | 1077660 | 62.349 | ng | 99 |
| 25) Isophorone | 9.510 | 82 | 1934777 | 58.984 | ng | 100 |
| 26) 2-Nitrophenol | 9.692 | 139 | 502043 | 67.289 | ng | 98 |
| 27) 2,4-Dimethylphenol | 9.751 | 122 | 927674 | 60.457 | ng | 98 |
| 28) bis(2-Chloroethoxy)met... | 9.992 | 93 | 1280678 | 59.764 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.222 | 162 | 889620 | 62.710 | ng | 100 |
| 30) 1,2,4-Trichlorobenzene | 10.439 | 180 | 977963 | 61.950 | ng | 99 |
| 31) Naphthalene | 10.628 | 128 | 3038415 | 59.457 | ng | 100 |
| 32) Benzoic acid | 9.881 | 122 | 624735 | 64.846 | ng | 98 |
| 33) 4-Chloroaniline | 10.728 | 127 | 1304717 | 59.885 | ng | 100 |
| 34) Hexachlorobutadiene | 10.928 | 225 | 584323 | 62.229 | ng | 99 |
| 35) Caprolactam | 11.504 | 113 | 271534 | 60.374 | ng | 99 |
| 36) 4-Chloro-3-methylphenol | 11.851 | 107 | 896859 | 59.248 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.239 | 142 | 1834221 | 59.497 | ng | 98 |
| 38) 1-Methylnaphthalene | 12.457 | 142 | 1922042 | 58.741 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.610 | 216 | 1003997 | 63.035 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.598 | 237 | 663873 | 68.632 | ng | 97 |
| 43) 2,4,6-Trichlorophenol | 12.845 | 196 | 665409 | 63.528 | ng | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050200.D
Acq On : 05 Jun 2025 13:16
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Quant Time: Jun 05 14:59:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.916 | 196 | 730617 | 63.531 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.257 | 154 | 2494729 | 60.402 | ng | | 100 |
| 47) 2-Chloronaphthalene | 13.292 | 162 | 1947861 | 60.663 | ng | | 100 |
| 48) 2-Nitroaniline | 13.486 | 65 | 479127 | 67.806 | ng | | 98 |
| 49) Acenaphthylene | 14.139 | 152 | 3183780 | 61.302 | ng | | 100 |
| 50) Dimethylphthalate | 13.880 | 163 | 2224786 | 59.640 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.986 | 165 | 490781 | 65.238 | ng | | 99 |
| 52) Acenaphthene | 14.480 | 154 | 1953486 | 60.136 | ng | | 99 |
| 53) 3-Nitroaniline | 14.310 | 138 | 555944 | 66.308 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 14.516 | 184 | 265588 | 58.459 | ng | | 92 |
| 55) Dibenzofuran | 14.816 | 168 | 2844670 | 59.857 | ng | | 100 |
| 56) 4-Nitrophenol | 14.610 | 139 | 477024 | 66.846 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 14.768 | 165 | 659402 | 66.447 | ng | | 99 |
| 58) Fluorene | 15.463 | 166 | 2133522 | 58.613 | ng | | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.039 | 232 | 614431 | 61.752 | ng | | 93 |
| 60) Diethylphthalate | 15.251 | 149 | 2180022 | 58.899 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.463 | 204 | 1031087 | 58.610 | ng | | 99 |
| 62) 4-Nitroaniline | 15.474 | 138 | 528186 | 67.214 | ng | | 99 |
| 63) Azobenzene | 15.757 | 77 | 2177933 | 58.871 | ng | | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.533 | 198 | 359804 | 66.052 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.674 | 169 | 1911910 | 61.011 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.351 | 248 | 649254 | 61.046 | ng | | 99 |
| 68) Hexachlorobenzene | 16.462 | 284 | 761552 | 61.287 | ng | | 99 |
| 69) Atrazine | 16.621 | 200 | 634737 | 63.570 | ng | | 98 |
| 70) Pentachlorophenol | 16.804 | 266 | 528095 | 65.368 | ng | | 99 |
| 71) Phenanthrene | 17.198 | 178 | 3421380 | 60.051 | ng | | 100 |
| 72) Anthracene | 17.286 | 178 | 3485282 | 61.148 | ng | | 100 |
| 73) Carbazole | 17.551 | 167 | 3246806 | 62.528 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.133 | 149 | 3550989 | 62.851 | ng | | 100 |
| 75) Fluoranthene | 19.209 | 202 | 3841414 | 63.934 | ng | | 100 |
| 77) Benzidine | 19.392 | 184 | 1902050 | 64.043 | ng | | 100 |
| 78) Pyrene | 19.568 | 202 | 4035214 | 56.687 | ng | | 100 |
| 80) Butylbenzylphthalate | 20.480 | 149 | 1522384 | 64.115 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.368 | 228 | 4055461 | 60.666 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.292 | 252 | 1424421 | 69.874 | ng | | 100 |
| 83) Chrysene | 21.433 | 228 | 3854906 | 60.623 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.321 | 149 | 2349225 | 64.231 | ng | | 100 |
| 85) Di-n-octyl phthalate | 22.462 | 149 | 3946065 | 72.708 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 27.762 | 276 | 5275171 | 68.579 | ng | # | 92 |
| 88) Benzo(b)fluoranthene | 23.433 | 252 | 4222358 | 60.790 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.503 | 252 | 4265446 | 60.156 | ng | | 100 |
| 90) Benzo(a)pyrene | 24.238 | 252 | 4132525 | 63.280 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 27.821 | 278 | 4258292 | 68.201 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 28.809 | 276 | 4279836 | 68.486 | ng | | 100 |

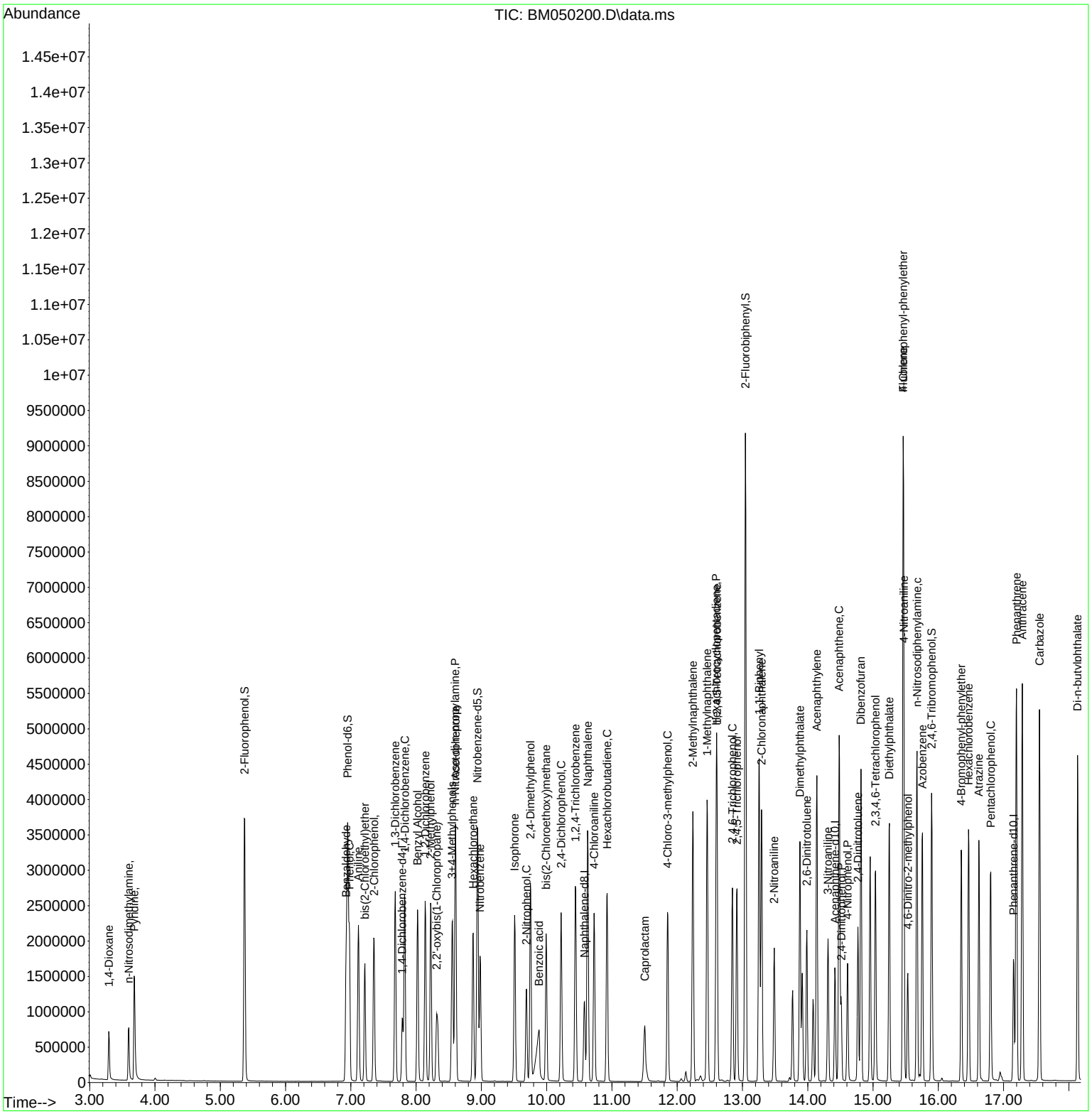
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050200.D
Acq On : 05 Jun 2025 13:16
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

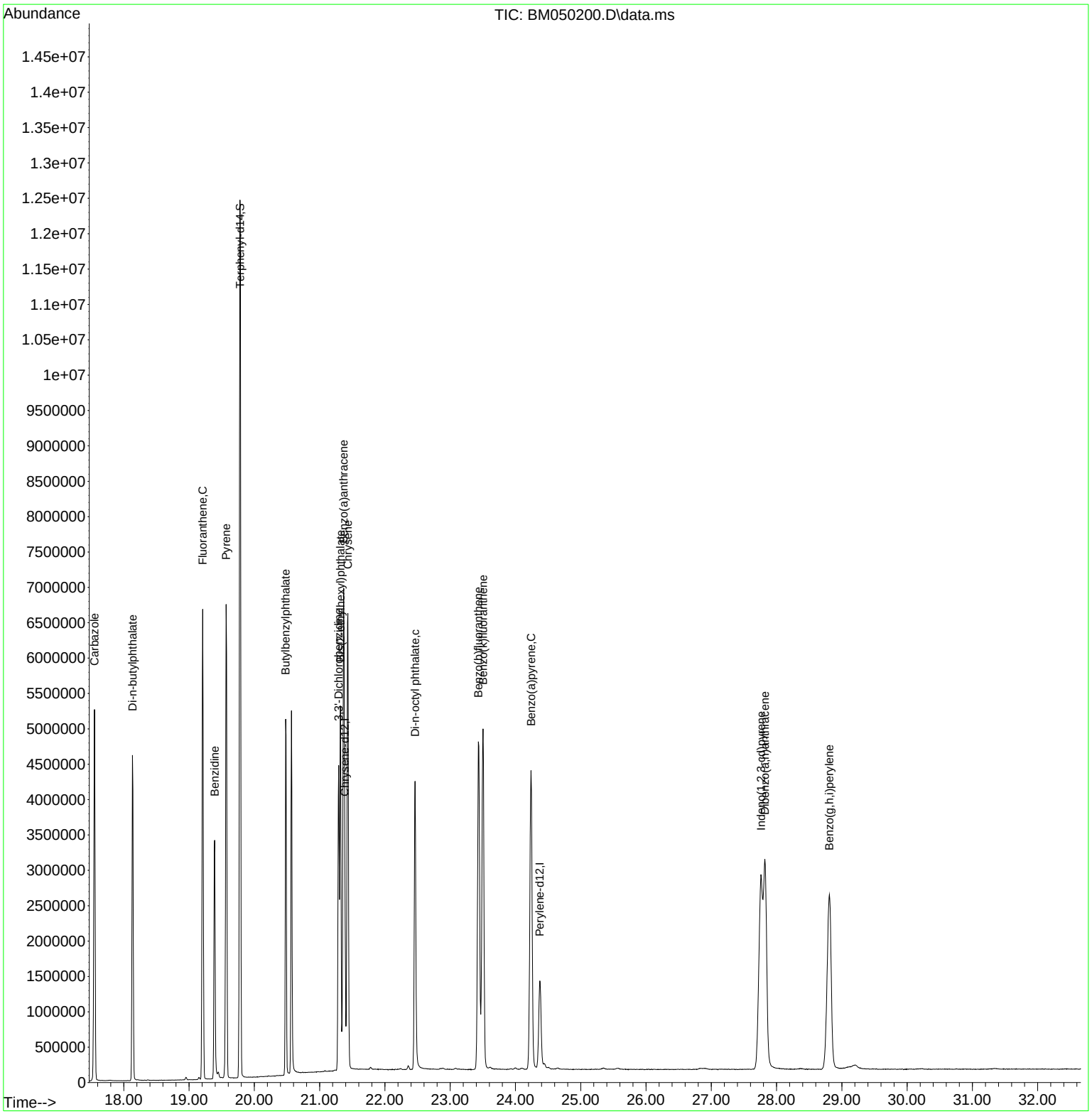
Quant Time: Jun 05 14:59:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050200.D
Acq On : 05 Jun 2025 13:16
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC060

Quant Time: Jun 05 14:59:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050201.D
Acq On : 05 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Quant Time: Jun 05 14:59:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.793 | 152 | 291644 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.581 | 136 | 1166744 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.416 | 164 | 653677 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.157 | 188 | 1121619 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.386 | 240 | 978835 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.374 | 264 | 1062363 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.375 | 112 | 2682374 | 153.426 | ng | 0.00 |
| 7) Phenol-d6 | 6.957 | 99 | 3537202 | 153.692 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.945 | 82 | 3567235 | 159.011 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.904 | 330 | 1121188 | 150.796 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.051 | 172 | 7130886 | 147.690 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.786 | 244 | 7496313 | 145.128 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.293 | 88 | 568907 | 74.235 | ng | 99 |
| 3) Pyridine | 3.681 | 79 | 1547303 | 77.965 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.599 | 42 | 329339 | 80.251 | ng | 97 |
| 6) Aniline | 7.122 | 93 | 2369250 | 77.871 | ng | 100 |
| 8) 2-Chlorophenol | 7.357 | 128 | 1502113 | 78.110 | ng | 98 |
| 10) Phenol | 6.981 | 94 | 1866613 | 76.653 | ng | 100 |
| 11) bis(2-Chloroethyl)ether | 7.216 | 93 | 1480567 | 75.590 | ng | 98 |
| 12) 1,3-Dichlorobenzene | 7.681 | 146 | 1643168 | 76.431 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 7.828 | 146 | 1685110 | 75.334 | ng | 100 |
| 14) 1,2-Dichlorobenzene | 8.140 | 146 | 1624137 | 76.165 | ng | 99 |
| 15) Benzyl Alcohol | 8.028 | 79 | 1284953 | 78.279 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.322 | 45 | 986129 | 72.476 | ng | 98 |
| 17) 2-Methylphenol | 8.228 | 107 | 1245706 | 77.530 | ng | 100 |
| 18) Hexachloroethane | 8.869 | 117 | 633589 | 78.215 | ng | 99 |
| 19) n-Nitroso-di-n-propyla... | 8.604 | 70 | 1065330 | 75.641 | ng | 98 |
| 20) 3+4-Methylphenols | 8.557 | 107 | 1677940 | 78.056 | ng | 100 |
| 22) Acetophenone | 8.610 | 105 | 2192477 | 75.217 | ng | 100 |
| 24) Nitrobenzene | 8.987 | 77 | 1617938 | 79.299 | ng | 99 |
| 25) Isophorone | 9.516 | 82 | 3013669 | 77.831 | ng | 100 |
| 26) 2-Nitrophenol | 9.692 | 139 | 788577 | 89.538 | ng | 98 |
| 27) 2,4-Dimethylphenol | 9.757 | 122 | 1396376 | 77.093 | ng | 98 |
| 28) bis(2-Chloroethoxy)met... | 9.998 | 93 | 1960708 | 77.513 | ng | 100 |
| 29) 2,4-Dichlorophenol | 10.228 | 162 | 1350619 | 80.653 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.445 | 180 | 1456329 | 78.151 | ng | 100 |
| 31) Naphthalene | 10.628 | 128 | 4521397 | 74.953 | ng | 100 |
| 32) Benzoic acid | 9.916 | 122 | 1021552 | 89.827 | ng | 99 |
| 33) 4-Chloroaniline | 10.734 | 127 | 1968786 | 76.553 | ng | 99 |
| 34) Hexachlorobutadiene | 10.928 | 225 | 876137 | 79.043 | ng | 100 |
| 35) Caprolactam | 11.522 | 113 | 417728 | 78.683 | ng | 97 |
| 36) 4-Chloro-3-methylphenol | 11.857 | 107 | 1393503 | 77.985 | ng | 99 |
| 37) 2-Methylnaphthalene | 12.239 | 142 | 2773230 | 76.205 | ng | 99 |
| 38) 1-Methylnaphthalene | 12.463 | 142 | 2903763 | 75.179 | ng | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.610 | 216 | 1499750 | 79.455 | ng | 100 |
| 41) Hexachlorocyclopentadiene | 12.598 | 237 | 1024557 | 89.378 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.845 | 196 | 1035769 | 83.443 | ng | 100 |
| 44) 2,4,5-Trichlorophenol | 12.916 | 196 | 1122919 | 82.394 | ng | 99 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050201.D
Acq On : 05 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Quant Time: Jun 05 14:59:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 46) 1,1'-Biphenyl | 13.257 | 154 | 3756723 | 76.752 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.292 | 162 | 2936913 | 77.180 | ng | 99 |
| 48) 2-Nitroaniline | 13.486 | 65 | 725090 | 86.588 | ng | 98 |
| 49) Acenaphthylene | 14.139 | 152 | 4768813 | 77.481 | ng | 100 |
| 50) Dimethylphthalate | 13.886 | 163 | 3356061 | 75.915 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.986 | 165 | 743566 | 83.403 | ng | 98 |
| 52) Acenaphthene | 14.486 | 154 | 2945563 | 76.514 | ng | 99 |
| 53) 3-Nitroaniline | 14.316 | 138 | 820084 | 82.536 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.516 | 184 | 419557 | 79.818 | ng | 95 |
| 55) Dibenzofuran | 14.816 | 168 | 4229270 | 75.092 | ng | 99 |
| 56) 4-Nitrophenol | 14.616 | 139 | 684831 | 80.978 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 14.774 | 165 | 994115 | 84.530 | ng | 97 |
| 58) Fluorene | 15.463 | 166 | 3057322 | 70.874 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.039 | 232 | 915334 | 77.626 | ng | 93 |
| 60) Diethylphthalate | 15.251 | 149 | 3236518 | 73.786 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.463 | 204 | 1497395 | 71.823 | ng | 98 |
| 62) 4-Nitroaniline | 15.480 | 138 | 746446 | 80.153 | ng | 99 |
| 63) Azobenzene | 15.757 | 77 | 3216935 | 73.375 | ng | 99 |
| 65) 4,6-Dinitro-2-methylph... | 15.533 | 198 | 540790 | 88.276 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.674 | 169 | 2805368 | 79.603 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.357 | 248 | 977940 | 81.762 | ng | 97 |
| 68) Hexachlorobenzene | 16.468 | 284 | 1117623 | 79.976 | ng | 97 |
| 69) Atrazine | 16.627 | 200 | 913622 | 81.362 | ng | 99 |
| 70) Pentachlorophenol | 16.804 | 266 | 766580 | 84.374 | ng | 99 |
| 71) Phenanthrene | 17.198 | 178 | 4793533 | 74.812 | ng | 100 |
| 72) Anthracene | 17.286 | 178 | 4900912 | 76.458 | ng | 99 |
| 73) Carbazole | 17.551 | 167 | 4417127 | 75.641 | ng | 100 |
| 74) Di-n-butylphthalate | 18.133 | 149 | 4904225 | 77.184 | ng | 100 |
| 75) Fluoranthene | 19.209 | 202 | 5027290 | 74.400 | ng | 99 |
| 77) Benzidine | 19.392 | 184 | 2034794 | 73.924 | ng | 100 |
| 78) Pyrene | 19.568 | 202 | 5224283 | 79.187 | ng | 99 |
| 80) Butylbenzylphthalate | 20.480 | 149 | 1897236 | 86.212 | ng | 98 |
| 81) Benzo(a)anthracene | 21.368 | 228 | 4797580 | 77.435 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.292 | 252 | 1627542 | 86.143 | ng | 100 |
| 83) Chrysene | 21.433 | 228 | 4547461 | 77.162 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.321 | 149 | 2796211 | 82.490 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.462 | 149 | 4575834 | 90.971 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 27.762 | 276 | 5980793 | 87.435 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.439 | 252 | 4811379 | 77.897 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.503 | 252 | 4862610 | 77.118 | ng | 100 |
| 90) Benzo(a)pyrene | 24.239 | 252 | 4719647 | 81.270 | ng | 100 |
| 91) Dibenzo(a,h)anthracene | 27.821 | 278 | 4849919 | 87.349 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 28.815 | 276 | 4870648 | 87.646 | ng | 99 |

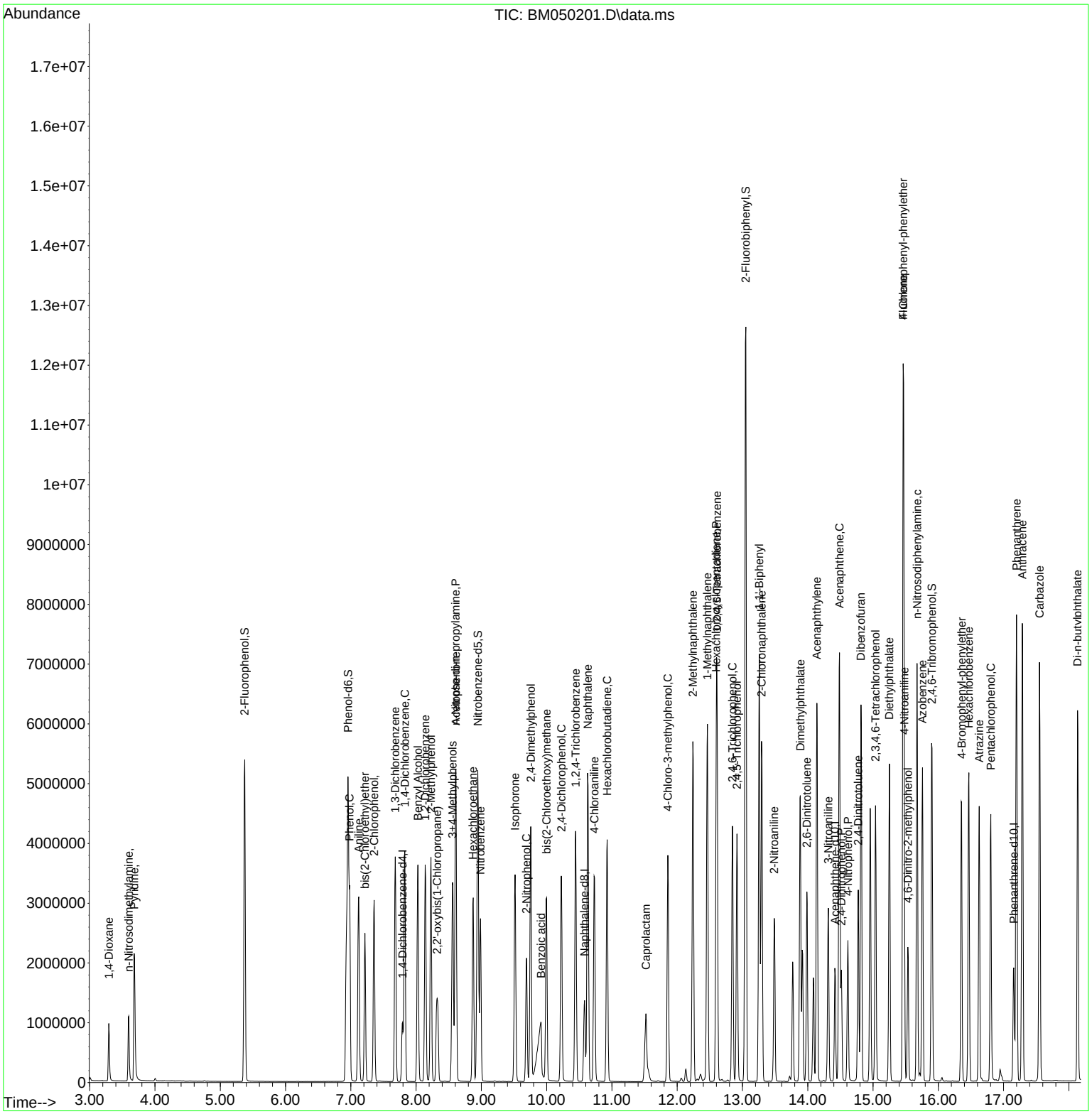
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050201.D
Acq On : 05 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Quant Time: Jun 05 14:59:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

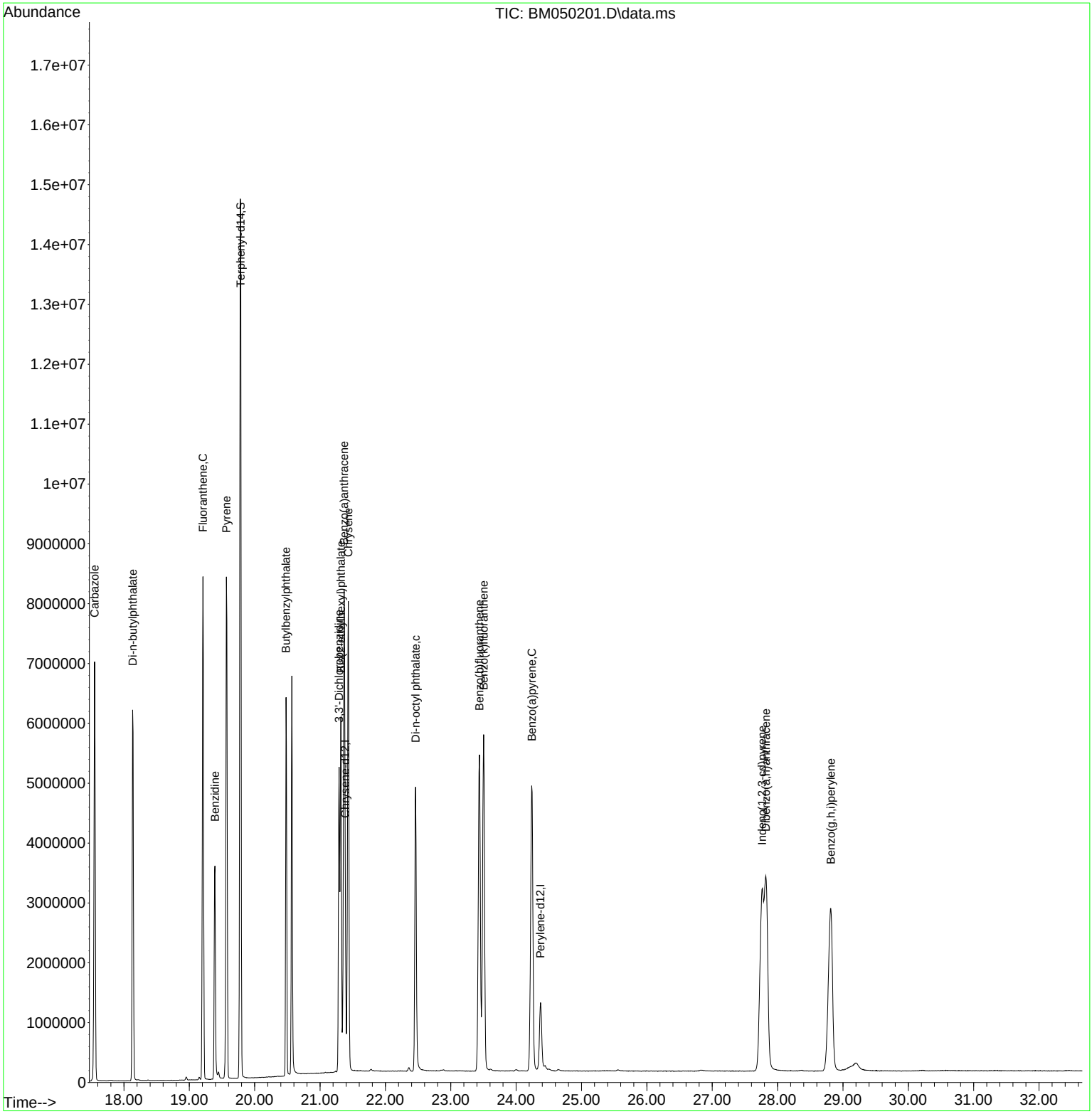


ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050201.D
Acq On : 05 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDICC080

Quant Time: Jun 05 14:59:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM060525

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.787 | 152 | 318987 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.581 | 136 | 1345797 | 20.000 | ng | 0.00 |
| 39) Acenaphthene-d10 | 14.416 | 164 | 824451 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.151 | 188 | 1474581 | 20.000 | ng | 0.00 |
| 76) Chrysene-d12 | 21.386 | 240 | 1199833 | 20.000 | ng | 0.00 |
| 86) Perylene-d12 | 24.374 | 264 | 1188981 | 20.000 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.369 | 112 | 1363817 | 71.321 | ng | 0.00 |
| 7) Phenol-d6 | 6.951 | 99 | 1828950 | 72.656 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.940 | 82 | 1707276 | 65.977 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.898 | 330 | 671004 | 71.554 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.045 | 172 | 3838077 | 63.026 | ng | 0.00 |
| 79) Terphenyl-d14 | 19.780 | 244 | 4364574 | 68.934 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.293 | 88 | 285619 | 34.075 | ng | 98 |
| 3) Pyridine | 3.681 | 79 | 807832 | 37.216 | ng | 99 |
| 4) n-Nitrosodimethylamine | 3.593 | 42 | 171804 | 38.276 | ng | 95 |
| 6) Aniline | 7.116 | 93 | 1270681 | 38.184 | ng | 99 |
| 8) 2-Chlorophenol | 7.351 | 128 | 812307 | 38.620 | ng | 99 |
| 9) Benzaldehyde | 6.928 | 77 | 662318m | 41.383 | ng | |
| 10) Phenol | 6.975 | 94 | 1020433 | 38.313 | ng | 99 |
| 11) bis(2-Chloroethyl)ether | 7.210 | 93 | 819158 | 38.237 | ng | 99 |
| 12) 1,3-Dichlorobenzene | 7.681 | 146 | 890155 | 37.856 | ng | 99 |
| 13) 1,4-Dichlorobenzene | 7.822 | 146 | 914542 | 37.381 | ng | 99 |
| 14) 1,2-Dichlorobenzene | 8.140 | 146 | 881362 | 37.789 | ng | 99 |
| 15) Benzyl Alcohol | 8.022 | 79 | 702528 | 39.129 | ng | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.316 | 45 | 556648 | 37.404 | ng | 98 |
| 17) 2-Methylphenol | 8.222 | 107 | 686759 | 39.079 | ng | 99 |
| 18) Hexachloroethane | 8.869 | 117 | 336898 | 38.024 | ng | 100 |
| 19) n-Nitroso-di-n-propyla... | 8.598 | 70 | 613129 | 39.802 | ng | 99 |
| 20) 3+4-Methylphenols | 8.551 | 107 | 925708 | 39.372 | ng | 100 |
| 22) Acetophenone | 8.604 | 105 | 1264911 | 37.622 | ng | 99 |
| 24) Nitrobenzene | 8.981 | 77 | 897378 | 38.131 | ng | 99 |
| 25) Isophorone | 9.510 | 82 | 1719407 | 38.498 | ng | 99 |
| 26) 2-Nitrophenol | 9.687 | 139 | 415162 | 40.867 | ng | 99 |
| 27) 2,4-Dimethylphenol | 9.751 | 122 | 791547 | 37.886 | ng | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.992 | 93 | 1110519 | 38.061 | ng | 99 |
| 29) 2,4-Dichlorophenol | 10.222 | 162 | 753084 | 38.988 | ng | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.439 | 180 | 807629 | 37.573 | ng | 100 |
| 31) Naphthalene | 10.628 | 128 | 2548917 | 36.633 | ng | 100 |
| 32) Benzoic acid | 9.875 | 122 | 519441 | 39.598 | ng | 98 |
| 33) 4-Chloroaniline | 10.728 | 127 | 1127809 | 38.018 | ng | 99 |
| 34) Hexachlorobutadiene | 10.922 | 225 | 479592 | 37.511 | ng | 99 |
| 35) Caprolactam | 11.498 | 113 | 237644 | 38.807 | ng | 99 |
| 36) 4-Chloro-3-methylphenol | 11.851 | 107 | 794929 | 38.568 | ng | 100 |
| 37) 2-Methylnaphthalene | 12.239 | 142 | 1594515 | 37.986 | ng | 98 |
| 38) 1-Methylnaphthalene | 12.457 | 142 | 1680613 | 37.722 | ng | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.610 | 216 | 900972 | 37.845 | ng | 99 |
| 41) Hexachlorocyclopentadiene | 12.598 | 237 | 569438 | 39.386 | ng | 99 |
| 43) 2,4,6-Trichlorophenol | 12.845 | 196 | 598909 | 38.255 | ng | 97 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM060525

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025

Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.916 | 196 | 658288 | 38.297 | ng | 100 |
| 46) 1,1'-Biphenyl | 13.251 | 154 | 2269641 | 36.765 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.292 | 162 | 1740708 | 36.269 | ng | 100 |
| 48) 2-Nitroaniline | 13.486 | 65 | 425146 | 40.253 | ng | 98 |
| 49) Acenaphthylene | 14.139 | 152 | 2862688 | 36.877 | ng | 99 |
| 50) Dimethylphthalate | 13.880 | 163 | 2084186 | 37.379 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.986 | 165 | 446609 | 39.718 | ng | 99 |
| 52) Acenaphthene | 14.480 | 154 | 1769507 | 36.444 | ng | 99 |
| 53) 3-Nitroaniline | 14.310 | 138 | 493099 | 39.347 | ng | 96 |
| 54) 2,4-Dinitrophenol | 14.510 | 184 | 228596 | 34.596 | ng | 99 |
| 55) Dibenzofuran | 14.816 | 168 | 2585454 | 36.397 | ng | 99 |
| 56) 4-Nitrophenol | 14.610 | 139 | 411593 | 38.588 | ng | 98 |
| 57) 2,4-Dinitrotoluene | 14.769 | 165 | 592521 | 39.946 | ng | 99 |
| 58) Fluorene | 15.463 | 166 | 1965747 | 36.130 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.039 | 232 | 557824 | 37.508 | ng | 93 |
| 60) Diethylphthalate | 15.245 | 149 | 2031289 | 36.717 | ng | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.463 | 204 | 950092 | 36.132 | ng | 99 |
| 62) 4-Nitroaniline | 15.469 | 138 | 449658 | 38.283 | ng | 99 |
| 63) Azobenzene | 15.751 | 77 | 1998483 | 36.142 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.533 | 198 | 312558 | 38.808 | ng | 99 |
| 66) n-Nitrosodiphenylamine | 15.669 | 169 | 1747981 | 37.727 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.351 | 248 | 604660 | 38.453 | ng | 99 |
| 68) Hexachlorobenzene | 16.463 | 284 | 696502 | 37.911 | ng | 100 |
| 69) Atrazine | 16.621 | 200 | 578491 | 39.186 | ng | 99 |
| 70) Pentachlorophenol | 16.804 | 266 | 464946 | 38.925 | ng | 99 |
| 71) Phenanthrene | 17.198 | 178 | 3046863 | 36.170 | ng | 99 |
| 72) Anthracene | 17.286 | 178 | 3101683 | 36.806 | ng | 100 |
| 73) Carbazole | 17.551 | 167 | 2778780 | 36.195 | ng | 99 |
| 74) Di-n-butylphthalate | 18.133 | 149 | 3122305 | 37.377 | ng | 99 |
| 75) Fluoranthene | 19.209 | 202 | 3117387 | 35.092 | ng | 100 |
| 77) Benzidine | 19.392 | 184 | 1646454 | 48.798 | ng | 100 |
| 78) Pyrene | 19.568 | 202 | 3262895 | 40.348 | ng | 99 |
| 80) Butylbenzylphthalate | 20.480 | 149 | 1095153 | 40.599 | ng | 98 |
| 81) Benzo(a)anthracene | 21.368 | 228 | 2824621 | 37.193 | ng | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.292 | 252 | 933068 | 40.289 | ng | 100 |
| 83) Chrysene | 21.433 | 228 | 2642484 | 36.579 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.321 | 149 | 1606973 | 38.675 | ng | 100 |
| 85) Di-n-octyl phthalate | 22.462 | 149 | 2382511 | 38.642 | ng | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 27.750 | 276 | 2970902 | 38.807 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.433 | 252 | 2608359 | 37.732 | ng | 100 |
| 89) Benzo(k)fluoranthene | 23.497 | 252 | 2566064 | 36.362 | ng | 100 |
| 90) Benzo(a)pyrene | 24.239 | 252 | 2459411 | 37.840 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 27.815 | 278 | 2412391 | 38.821 | ng | 100 |
| 92) Benzo(g,h,i)perylene | 28.791 | 276 | 2411378 | 38.771 | ng | 99 |

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

ICAL Form

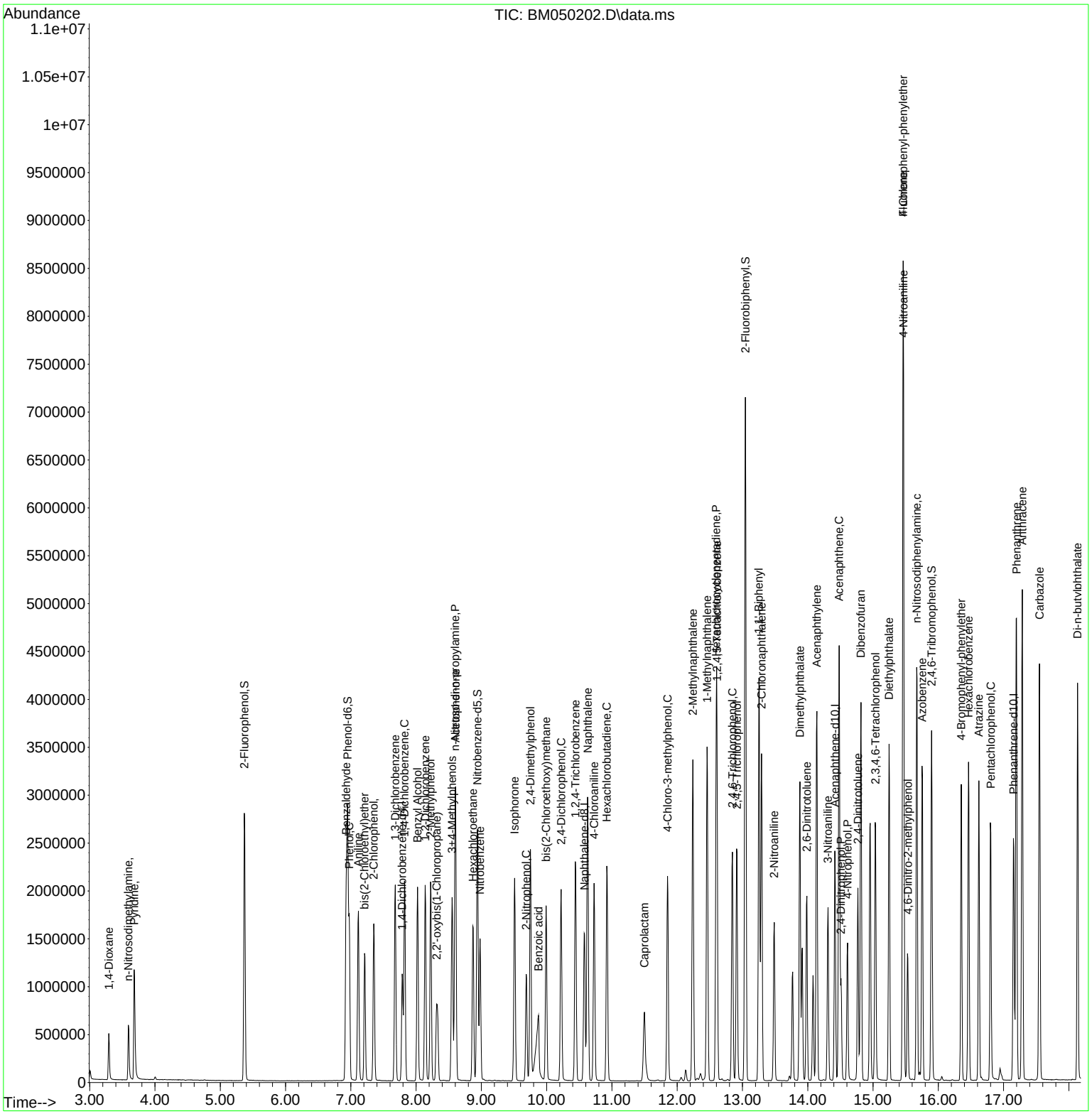
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM060525

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025



ICAL Form

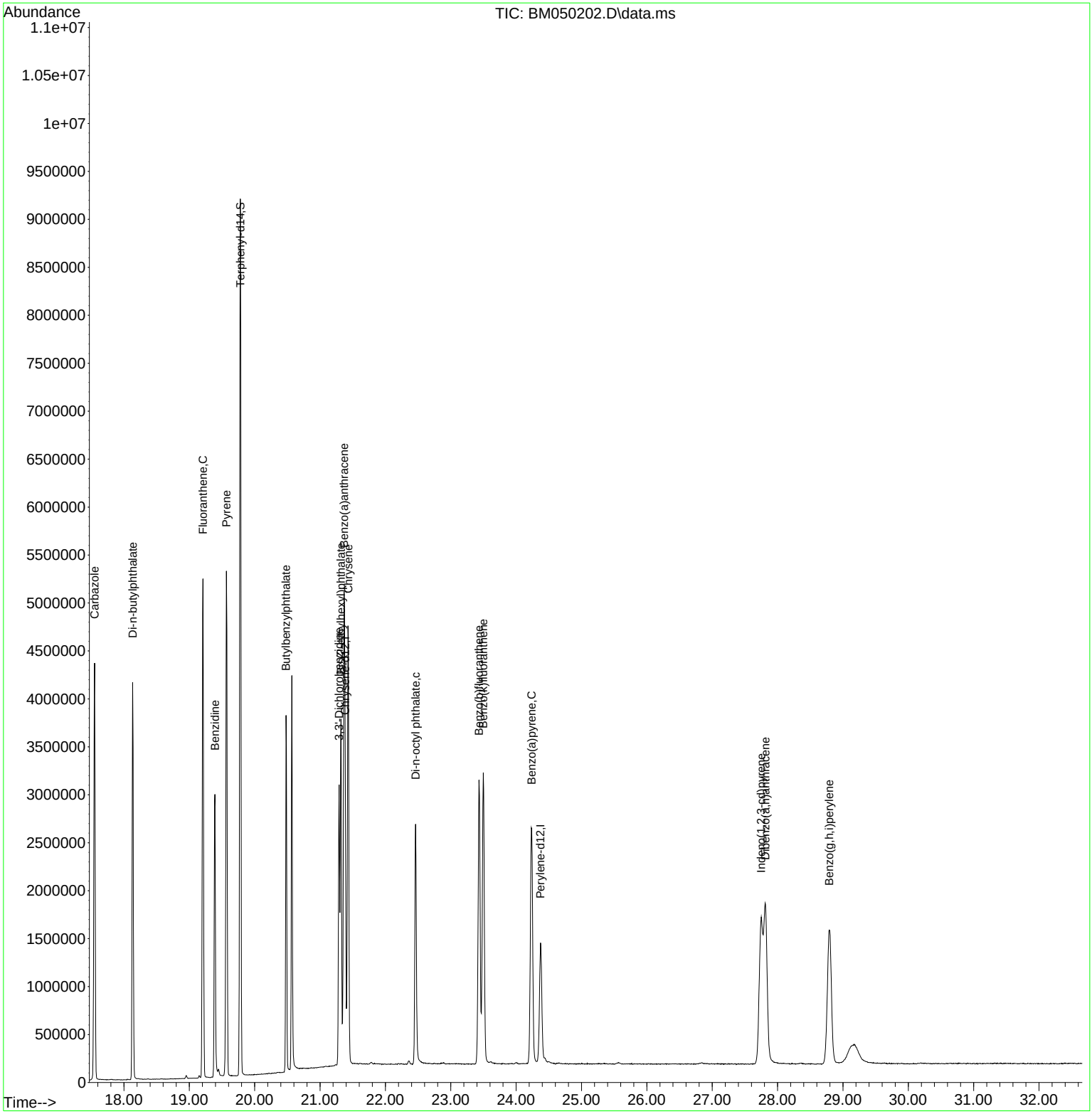
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM060525

**Manual Integrations APPROVED**

Reviewed By :Rahul Chavli 06/05/2025
Supervised By :Jagrut Upadhyay 06/06/2025



# Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM060525

Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

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

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 2 | | 1,4-Dioxane | 0.526 | 0.448 | 14.8 | 96 | 0.00 |
| 3 | | Pyridine | 1.361 | 1.266 | 7.0 | 100 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.281 | 0.269 | 4.3 | 102 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.199 | 1.069 | 10.8 | 96 | 0.00 |
| 6 | | Aniline | 2.086 | 1.992 | 4.5 | 100 | 0.00 |
| 7 | S | Phenol-d6 | 1.578 | 1.433 | 9.2 | 95 | 0.00 |
| 8 | | 2-Chlorophenol | 1.319 | 1.273 | 3.5 | 102 | 0.00 |
| 9 | | Benzaldehyde | 1.003 | 1.038 | -3.5 | 122 | 0.00 |
| 10 | C | Phenol | 1.670 | 1.599 | 4.3 | 100 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.343 | 1.284 | 4.4 | 101 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.474 | 1.395 | 5.4 | 102 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.534 | 1.434 | 6.5 | 102 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.462 | 1.382 | 5.5 | 102 | 0.00 |
| 15 | | Benzyl Alcohol | 1.126 | 1.101 | 2.2 | 100 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 0.933 | 0.873 | 6.4 | 99 | 0.00 |
| 17 | | 2-Methylphenol | 1.102 | 1.076 | 2.4 | 100 | 0.00 |
| 18 | | Hexachloroethane | 0.556 | 0.528 | 5.0 | 102 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.966 | 0.961 | 0.5 | 99 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.474 | 1.451 | 1.6 | 99 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 22 | | Acetophenone | 0.500 | 0.470 | 6.0 | 101 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.385 | 0.317 | 17.7 | 86 | 0.00 |
| 24 | | Nitrobenzene | 0.350 | 0.333 | 4.9 | 100 | 0.00 |
| 25 | | Isophorone | 0.664 | 0.639 | 3.8 | 99 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.151 | 0.154 | -2.0 | 102 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.310 | 0.294 | 5.2 | 99 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.434 | 0.413 | 4.8 | 99 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.287 | 0.280 | 2.4 | 100 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.319 | 0.300 | 6.0 | 100 | 0.00 |
| 31 | | Naphthalene | 1.034 | 0.947 | 8.4 | 99 | 0.00 |
| 32 | | Benzoic acid | 0.195 | 0.193 | 1.0 | 97 | -0.04 |
| 33 | | 4-Chloroaniline | 0.441 | 0.419 | 5.0 | 99 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.190 | 0.178 | 6.3 | 100 | 0.00 |
| 35 | | Caprolactam | 0.091 | 0.088 | 3.3 | 93 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.306 | 0.295 | 3.6 | 96 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.624 | 0.592 | 5.1 | 98 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.662 | 0.624 | 5.7 | 98 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 101 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.578 | 0.546 | 5.5 | 102 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.351 | 0.345 | 1.7 | 102 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.227 | 0.203 | 10.6 | 89 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.380 | 0.363 | 4.5 | 98 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.417 | 0.399 | 4.3 | 97 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.477 | 1.164 | 21.2 | 85 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.498 | 1.376 | 8.1 | 99 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.164 | 1.056 | 9.3 | 98 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM060525

Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

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

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.256 | 0.258 | -0.8 | 97 | 0.00 |
| 49 | | Acenaphthylene | 1.883 | 1.736 | 7.8 | 96 | 0.00 |
| 50 | | Dimethylphthalate | 1.353 | 1.264 | 6.6 | 95 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.273 | 0.271 | 0.7 | 94 | 0.00 |
| 52 | C | Acenaphthene | 1.178 | 1.073 | 8.9 | 95 | 0.00 |
| 53 | | 3-Nitroaniline | 0.304 | 0.299 | 1.6 | 93 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.146 | 0.139 | 4.8 | 92 | 0.00 |
| 55 | | Dibenzofuran | 1.723 | 1.568 | 9.0 | 95 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.259 | 0.250 | 3.5 | 92 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.360 | 0.359 | 0.3 | 91 | 0.00 |
| 58 | | Fluorene | 1.320 | 1.192 | 9.7 | 95 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.361 | 0.338 | 6.4 | 93 | 0.00 |
| 60 | | Diethylphthalate | 1.342 | 1.232 | 8.2 | 92 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.638 | 0.576 | 9.7 | 95 | 0.00 |
| 62 | | 4-Nitroaniline | 0.285 | 0.273 | 4.2 | 89 | -0.01 |
| 63 | | Azobenzene | 1.341 | 1.212 | 9.6 | 93 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.109 | 0.106 | 2.8 | 88 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.628 | 0.593 | 5.6 | 93 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.213 | 0.205 | 3.8 | 93 | 0.00 |
| 68 | | Hexachlorobenzene | 0.249 | 0.236 | 5.2 | 92 | 0.00 |
| 69 | | Atrazine | 0.200 | 0.196 | 2.0 | 88 | 0.00 |
| 70 | C | Pentachlorophenol | 0.162 | 0.158 | 2.5 | 89 | 0.00 |
| 71 | | Phenanthrene | 1.143 | 1.033 | 9.6 | 89 | 0.00 |
| 72 | | Anthracene | 1.143 | 1.052 | 8.0 | 90 | 0.00 |
| 73 | | Carbazole | 1.041 | 0.942 | 9.5 | 87 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.133 | 1.059 | 6.5 | 85 | 0.00 |
| 75 | C | Fluoranthene | 1.205 | 1.057 | 12.3 | 83 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 81 | 0.00 |
| 77 | | Benzidine | 0.562 | 0.686 | -22.1 | 90 | 0.00 |
| 78 | | Pyrene | 1.348 | 1.360 | -0.9 | 83 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.055 | 0.909 | 13.8 | 73 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.450 | 0.456 | -1.3 | 75 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.266 | 1.177 | 7.0 | 78 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.386 | 0.389 | -0.8 | 76 | 0.00 |
| 83 | | Chrysene | 1.204 | 1.101 | 8.6 | 77 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.693 | 0.670 | 3.3 | 73 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.028 | 0.993 | 3.4 | 72 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.288 | 1.249 | 3.0 | 88 | -0.01 |
| 88 | | Benzo(b)fluoranthene | 1.163 | 1.097 | 5.7 | 79 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.187 | 1.079 | 9.1 | 78 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.093 | 1.034 | 5.4 | 81 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.045 | 1.014 | 3.0 | 88 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.046 | 1.014 | 3.1 | 90 | -0.02 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM060525

Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

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

| Compound | AvgRF | CCRF | %Dev Area% | Dev(min) |
|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0

# Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM060525

Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 103 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 34.075 | 14.8 | 96 | 0.00 |
| 3 | | Pyridine | 40.000 | 37.216 | 7.0 | 100 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.276 | 4.3 | 102 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 71.321 | 10.8 | 96 | 0.00 |
| 6 | | Aniline | 40.000 | 38.184 | 4.5 | 100 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 72.656 | 9.2 | 95 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.620 | 3.5 | 102 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 41.383 | -3.5 | 122 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.313 | 4.2 | 100 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.237 | 4.4 | 101 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.856 | 5.4 | 102 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.381 | 6.5 | 102 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.789 | 5.5 | 102 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.129 | 2.2 | 100 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.404 | 6.5 | 99 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.079 | 2.3 | 100 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.024 | 4.9 | 102 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.802 | 0.5 | 99 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.372 | 1.6 | 99 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 102 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.622 | 5.9 | 101 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 65.977 | 17.5 | 86 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.131 | 4.7 | 100 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.498 | 3.8 | 99 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.867 | -2.2 | 102 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.886 | 5.3 | 99 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.061 | 4.8 | 99 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.988 | 2.5 | 100 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 37.573 | 6.1 | 100 | 0.00 |
| 31 | | Naphthalene | 40.000 | 36.633 | 8.4 | 99 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 39.598 | 1.0 | 97 | -0.04 |
| 33 | | 4-Chloroaniline | 40.000 | 38.018 | 5.0 | 99 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.511 | 6.2 | 100 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.807 | 3.0 | 93 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.568 | 3.6 | 96 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.986 | 5.0 | 98 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 37.722 | 5.7 | 98 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 101 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.845 | 5.4 | 102 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 39.386 | 1.5 | 102 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 71.554 | 10.6 | 89 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 38.255 | 4.4 | 98 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 38.297 | 4.3 | 97 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 63.026 | 21.2 | 85 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 36.765 | 8.1 | 99 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 36.269 | 9.3 | 98 | 0.00 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM060525

Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 40.253 | -0.6 | 97 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 36.877 | 7.8 | 96 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 37.379 | 6.6 | 95 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 39.718 | 0.7 | 94 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 36.444 | 8.9 | 95 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 39.347 | 1.6 | 93 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 34.596 | 13.5 | 92 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 36.397 | 9.0 | 95 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 38.588 | 3.5 | 92 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 39.946 | 0.1 | 91 | 0.00 |
| 58 | | Fluorene | 40.000 | 36.130 | 9.7 | 95 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 37.508 | 6.2 | 93 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 36.717 | 8.2 | 92 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 36.132 | 9.7 | 95 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 38.283 | 4.3 | 89 | -0.01 |
| 63 | | Azobenzene | 40.000 | 36.142 | 9.6 | 93 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 93 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 38.808 | 3.0 | 88 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 37.727 | 5.7 | 93 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 38.453 | 3.9 | 93 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 37.911 | 5.2 | 92 | 0.00 |
| 69 | | Atrazine | 40.000 | 39.186 | 2.0 | 88 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 38.925 | 2.7 | 89 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 36.170 | 9.6 | 89 | 0.00 |
| 72 | | Anthracene | 40.000 | 36.806 | 8.0 | 90 | 0.00 |
| 73 | | Carbazole | 40.000 | 36.195 | 9.5 | 87 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 37.377 | 6.6 | 85 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 35.092 | 12.3 | 83 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 81 | 0.00 |
| 77 | | Benzidine | 40.000 | 48.798 | -22.0 | 90 | 0.00 |
| 78 | | Pyrene | 40.000 | 40.348 | -0.9 | 83 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 68.934 | 13.8 | 73 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 40.599 | -1.5 | 75 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 37.193 | 7.0 | 78 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.289 | -0.7 | 76 | 0.00 |
| 83 | | Chrysene | 40.000 | 36.579 | 8.6 | 77 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 38.675 | 3.3 | 73 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 38.642 | 3.4 | 72 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 84 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.807 | 3.0 | 88 | -0.01 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 37.732 | 5.7 | 79 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 36.362 | 9.1 | 78 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 37.840 | 5.4 | 81 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 38.821 | 2.9 | 88 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 38.771 | 3.1 | 90 | -0.02 |

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050202.D
Acq On : 05 Jun 2025 14:36
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
ICVBM060525

Quant Time: Jun 05 15:10:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 14:55:18 2025
Response via : Initial Calibration

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2301 SAS No.: Q2301 SDG No.: Q2301

Instrument ID: BNA_M Calibration Date/Time: 06/13/2025 13:56

Lab File ID: BM050300.D Init. Calib. Date(s): 06/05/2025 06/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:20 13:56

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Pyridine | 1.361 | 1.462 | | 7.4 | |
| 2-Fluorophenol | 1.199 | 1.272 | | 6.1 | |
| Phenol-d6 | 1.578 | 1.599 | | 1.3 | |
| 1,4-Dichlorobenzene | 1.534 | 1.499 | | -2.3 | 20.0 |
| 2-Methylphenol | 1.102 | 1.081 | | -1.9 | |
| 3+4-Methylphenols | 1.474 | 1.441 | | -2.2 | |
| Nitrobenzene-d5 | 0.385 | 0.406 | | 5.5 | |
| Hexachloroethane | 0.555 | 0.570 | | 2.7 | |
| Nitrobenzene | 0.350 | 0.366 | | 4.6 | |
| Hexachlorobutadiene | 0.190 | 0.181 | | -4.7 | 20.0 |
| 2,4,6-Trichlorophenol | 0.380 | 0.377 | | -0.8 | 20.0 |
| 2-Fluorobiphenyl | 1.477 | 1.458 | | -1.3 | |
| 2,4,5-Trichlorophenol | 0.417 | 0.408 | | -2.2 | |
| 2,4-Dinitrotoluene | 0.360 | 0.379 | | 5.3 | |
| 2,4,6-Tribromophenol | 0.227 | 0.233 | | 2.6 | |
| Hexachlorobenzene | 0.249 | 0.250 | | 0.4 | |
| Pentachlorophenol | 0.162 | 0.166 | | 2.5 | 20.0 |
| Terphenyl-d14 | 1.055 | 1.032 | | -2.2 | |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050300.D
Acq On : 13 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Quant Time: Jun 13 14:48:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.763 | 152 | 431593 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.551 | 136 | 1716350 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.392 | 164 | 988714 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.133 | 188 | 1860231 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.362 | 240 | 1945672 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 24.333 | 264 | 2093163 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.352 | 112 | 2195138 | 84.844 | ng | | 0.00 |
| 7) Phenol-d6 | 6.928 | 99 | 2760595 | 81.053 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.910 | 82 | 2788897 | 84.508 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.875 | 330 | 923449 | 82.114 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 5764542 | 78.934 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.763 | 244 | 8031818 | 78.227 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.281 | 88 | 480215 | 42.343 | ng | | 92 |
| 3) Pyridine | 3.669 | 79 | 1262032 | 42.971 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.581 | 42 | 268689 | 44.242 | ng | | 98 |
| 6) Aniline | 7.087 | 93 | 1800375 | 39.986 | ng | | 97 |
| 8) 2-Chlorophenol | 7.328 | 128 | 1144502 | 40.216 | ng | | 98 |
| 9) Benzaldehyde | 6.905 | 77 | 797374 | 36.823 | ng | | 99 |
| 10) Phenol | 6.957 | 94 | 1457775 | 40.453 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 7.187 | 93 | 1186514 | 40.934 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.652 | 146 | 1275916 | 40.104 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.799 | 146 | 1293891 | 39.088 | ng | | 100 |
| 14) 1,2-Dichlorobenzene | 8.110 | 146 | 1243006 | 39.390 | ng | | 99 |
| 15) Benzyl Alcohol | 7.999 | 79 | 956301 | 39.367 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.287 | 45 | 962481 | 47.800 | ng | | 93 |
| 17) 2-Methylphenol | 8.199 | 107 | 933449 | 39.258 | ng | | 98 |
| 18) Hexachloroethane | 8.840 | 117 | 491912 | 41.035 | ng | | 96 |
| 19) n-Nitroso-di-n-propyla... | 8.569 | 70 | 846862 | 40.632 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.528 | 107 | 1243507 | 39.089 | ng | | 98 |
| 22) Acetophenone | 8.581 | 105 | 1691171 | 39.440 | ng | # | 99 |
| 24) Nitrobenzene | 8.951 | 77 | 1255589 | 41.833 | ng | | 97 |
| 25) Isophorone | 9.481 | 82 | 2269974 | 39.852 | ng | | 99 |
| 26) 2-Nitrophenol | 9.663 | 139 | 527520 | 40.717 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.728 | 122 | 1053769 | 39.585 | ng | | 98 |
| 28) bis(2-Chloroethoxy)met... | 9.963 | 93 | 1539854 | 41.382 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.193 | 162 | 972751 | 39.488 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.416 | 180 | 1068520 | 38.979 | ng | | 99 |
| 31) Naphthalene | 10.598 | 128 | 3458690 | 38.976 | ng | | 100 |
| 32) Benzoic acid | 9.846 | 122 | 612428 | 36.607 | ng | | 95 |
| 33) 4-Chloroaniline | 10.698 | 127 | 1480449 | 39.131 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.893 | 225 | 621399 | 38.110 | ng | | 100 |
| 35) Caprolactam | 11.481 | 113 | 306969 | 39.305 | ng | | 86 |
| 36) 4-Chloro-3-methylphenol | 11.828 | 107 | 1037646 | 39.475 | ng | | 99 |
| 37) 2-Methylnaphthalene | 12.210 | 142 | 2098441 | 39.198 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.434 | 142 | 2230633 | 39.258 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.581 | 216 | 1128999 | 39.545 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.569 | 237 | 682385 | 39.357 | ng | | 96 |
| 43) 2,4,6-Trichlorophenol | 12.822 | 196 | 746283 | 39.749 | ng | | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050300.D
Acq On : 13 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Quant Time: Jun 13 14:48:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

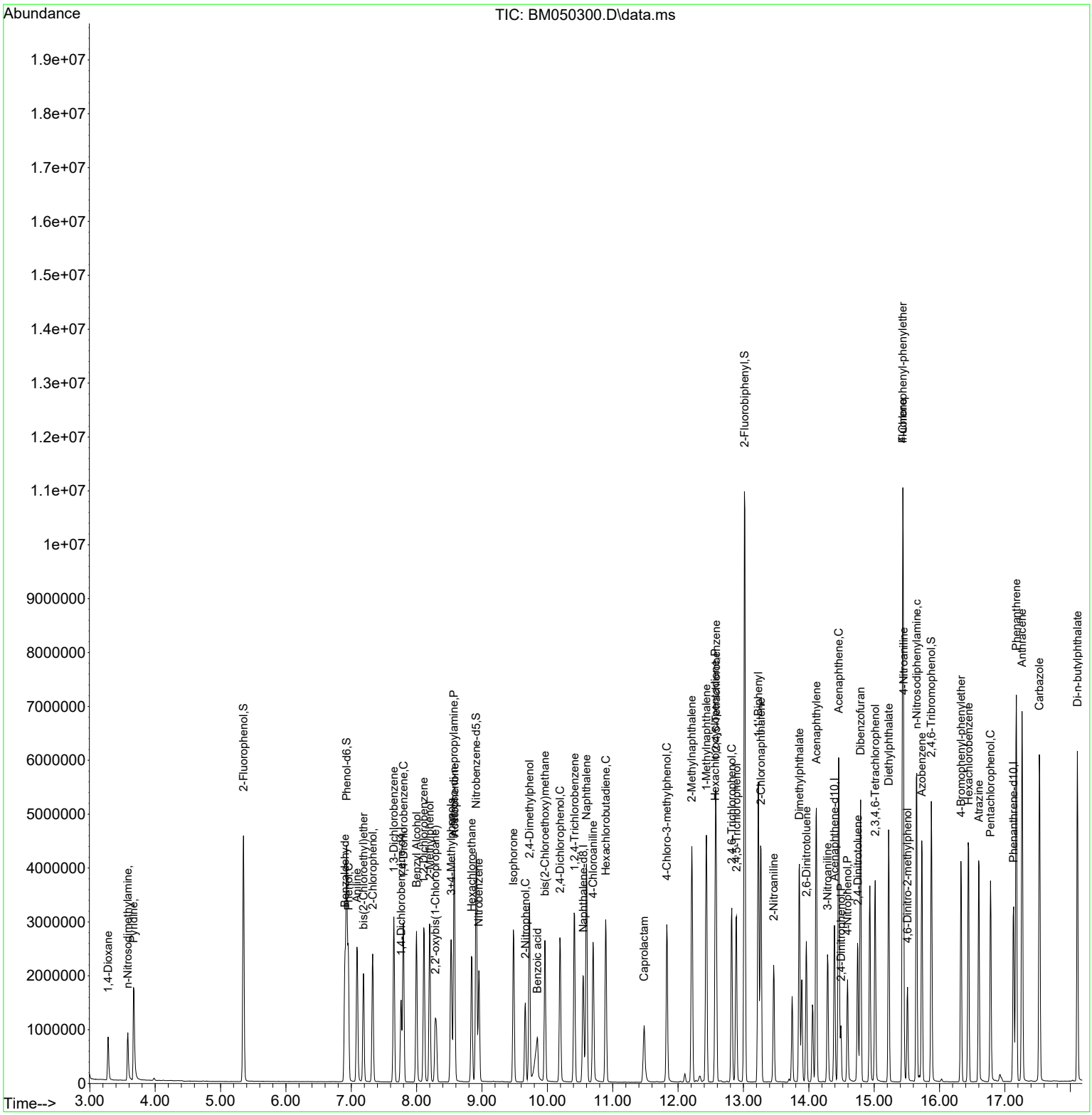
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.892 | 196 | 806924 | 39.145 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.228 | 154 | 2928139 | 39.551 | ng | | 98 |
| 47) 2-Chloronaphthalene | 13.269 | 162 | 2244716 | 39.000 | ng | | 99 |
| 48) 2-Nitroaniline | 13.463 | 65 | 583892 | 46.099 | ng | | 92 |
| 49) Acenaphthylene | 14.116 | 152 | 3677414 | 39.502 | ng | | 100 |
| 50) Dimethylphthalate | 13.857 | 163 | 2624029 | 39.243 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.963 | 165 | 556720 | 41.285 | ng | | 93 |
| 52) Acenaphthene | 14.457 | 154 | 2260385 | 38.819 | ng | | 99 |
| 53) 3-Nitroaniline | 14.286 | 138 | 639233 | 42.534 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 14.492 | 184 | 221148 | 28.800 | ng | | 94 |
| 55) Dibenzofuran | 14.792 | 168 | 3376214 | 39.633 | ng | | 99 |
| 56) 4-Nitrophenol | 14.592 | 139 | 534301 | 41.770 | ng | | 97 |
| 57) 2,4-Dinitrotoluene | 14.751 | 165 | 749088 | 42.112 | ng | | 97 |
| 58) Fluorene | 15.439 | 166 | 2645663 | 40.548 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.016 | 232 | 712678m | 39.960 | ng | | |
| 60) Diethylphthalate | 15.222 | 149 | 2663150 | 40.141 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.439 | 204 | 1277693 | 40.518 | ng | | 98 |
| 62) 4-Nitroaniline | 15.451 | 138 | 631732 | 44.848 | ng | | 97 |
| 63) Azobenzene | 15.728 | 77 | 2751819 | 41.497 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.510 | 198 | 381903 | 37.588 | ng | | 95 |
| 66) n-Nitrosodiphenylamine | 15.651 | 169 | 2296362 | 39.288 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.327 | 248 | 788174 | 39.732 | ng | | 99 |
| 68) Hexachlorobenzene | 16.445 | 284 | 928592 | 40.065 | ng | | 97 |
| 69) Atrazine | 16.604 | 200 | 755579 | 40.571 | ng | | 98 |
| 70) Pentachlorophenol | 16.780 | 266 | 617975 | 41.011 | ng | | 99 |
| 71) Phenanthrene | 17.174 | 178 | 4168430 | 39.225 | ng | | 100 |
| 72) Anthracene | 17.263 | 178 | 4215816 | 39.656 | ng | | 100 |
| 73) Carbazole | 17.527 | 167 | 3930300 | 40.581 | ng | | 100 |
| 74) Di-n-butylphthalate | 18.110 | 149 | 4465626 | 42.376 | ng | | 100 |
| 75) Fluoranthene | 19.186 | 202 | 4644495 | 41.444 | ng | | 98 |
| 77) Benzidine | 19.368 | 184 | 2182462 | 39.889 | ng | | 99 |
| 78) Pyrene | 19.551 | 202 | 4935234 | 37.634 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.462 | 149 | 1815438 | 41.502 | ng | | 99 |
| 81) Benzo(a)anthracene | 21.345 | 228 | 4841666 | 39.314 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.268 | 252 | 1651445 | 43.973 | ng | | 100 |
| 83) Chrysene | 21.410 | 228 | 4634860 | 39.565 | ng | | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.292 | 149 | 2897934 | 43.009 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.421 | 149 | 4382230 | 43.829 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 27.686 | 276 | 5778302 | 42.874 | ng | # | 91 |
| 88) Benzo(b)fluoranthene | 23.398 | 252 | 4801534 | 39.455 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.462 | 252 | 5024475 | 40.443 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.198 | 252 | 4648857 | 40.629 | ng | | 99 |
| 91) Dibenzo(a,h)anthracene | 27.744 | 278 | 4765386 | 43.561 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 28.727 | 276 | 4754718 | 43.425 | ng | | 99 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050300.D
Acq On : 13 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

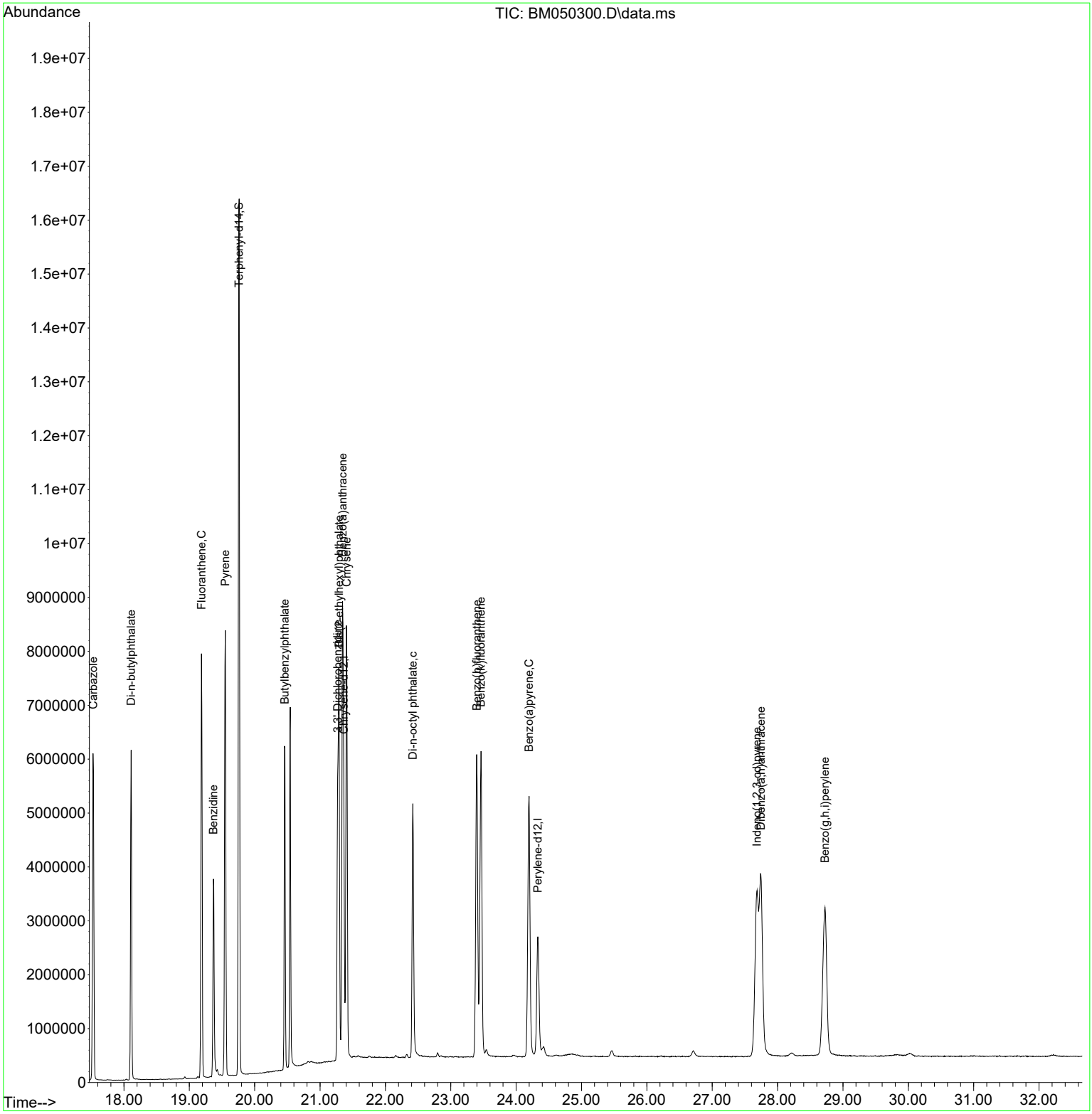
Quant Time: Jun 13 14:48:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050300.D
Acq On : 13 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Quant Time: Jun 13 14:48:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration



Sample Results: **BM050300.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050300.D
Acq On : 13 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jun 13 14:48:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

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

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 140 | 0.00 |
| 2 | | 1,4-Dioxane | 0.526 | 0.556 | -5.7 | 162# | 0.00 |
| 3 | | Pyridine | 1.361 | 1.462 | -7.4 | 156# | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.281 | 0.311 | -10.7 | 160# | 0.00 |
| 5 | S | 2-Fluorophenol | 1.199 | 1.272 | -6.1 | 155# | 0.00 |
| 6 | | Aniline | 2.086 | 2.086 | 0.0 | 141 | 0.00 |
| 7 | S | Phenol-d6 | 1.578 | 1.599 | -1.3 | 143 | 0.00 |
| 8 | | 2-Chlorophenol | 1.319 | 1.326 | -0.5 | 143 | 0.00 |
| 9 | | Benzaldehyde | 1.003 | 0.924 | 7.9 | 147 | 0.00 |
| 10 | C | Phenol | 1.670 | 1.689 | -1.1 | 144 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.343 | 1.375 | -2.4 | 146 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.474 | 1.478 | -0.3 | 146 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.534 | 1.499 | 2.3 | 144 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.462 | 1.440 | 1.5 | 144 | -0.01 |
| 15 | | Benzyl Alcohol | 1.126 | 1.108 | 1.6 | 136 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 0.933 | 1.115 | -19.5 | 171# | 0.00 |
| 17 | | 2-Methylphenol | 1.102 | 1.081 | 1.9 | 136 | 0.00 |
| 18 | | Hexachloroethane | 0.556 | 0.570 | -2.5 | 149 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.966 | 0.981 | -1.6 | 137 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.474 | 1.441 | 2.2 | 133 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 130 | 0.00 |
| 22 | | Acetophenone | 0.500 | 0.493 | 1.4 | 135 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.385 | 0.406 | -5.5 | 141 | 0.00 |
| 24 | | Nitrobenzene | 0.350 | 0.366 | -4.6 | 141 | -0.01 |
| 25 | | Isophorone | 0.664 | 0.661 | 0.5 | 131 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.151 | 0.154 | -2.0 | 129 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.310 | 0.307 | 1.0 | 132 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.434 | 0.449 | -3.5 | 137 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.287 | 0.283 | 1.4 | 129 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.319 | 0.311 | 2.5 | 133 | 0.00 |
| 31 | | Naphthalene | 1.034 | 1.008 | 2.5 | 134 | 0.00 |
| 32 | | Benzoic acid | 0.195 | 0.178 | 8.7 | 114 | 0.00 |
| 33 | | 4-Chloroaniline | 0.441 | 0.431 | 2.3 | 130 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.190 | 0.181 | 4.7 | 129 | -0.01 |
| 35 | | Caprolactam | 0.091 | 0.089 | 2.2 | 120 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.306 | 0.302 | 1.3 | 126 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.624 | 0.611 | 2.1 | 130 | -0.01 |
| 38 | | 1-Methylnaphthalene | 0.662 | 0.650 | 1.8 | 131 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 121 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.578 | 0.571 | 1.2 | 127 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.351 | 0.345 | 1.7 | 122 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.227 | 0.233 | -2.6 | 122 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.380 | 0.377 | 0.8 | 122 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.417 | 0.408 | 2.2 | 119 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.477 | 1.458 | 1.3 | 128 | -0.01 |
| 46 | | 1,1'-Biphenyl | 1.498 | 1.481 | 1.1 | 127 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.164 | 1.135 | 2.5 | 126 | 0.00 |

Sample Results: **BM050300.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050300.D
Acq On : 13 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jun 13 14:48:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

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

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.256 | 0.295 | -15.2 | 133 | 0.00 |
| 49 | | Acenaphthylene | 1.883 | 1.860 | 1.2 | 123 | 0.00 |
| 50 | | Dimethylphthalate | 1.353 | 1.327 | 1.9 | 119 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.273 | 0.282 | -3.3 | 118 | 0.00 |
| 52 | C | Acenaphthene | 1.178 | 1.143 | 3.0 | 122 | 0.00 |
| 53 | | 3-Nitroaniline | 0.304 | 0.323 | -6.3 | 121 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.146 | 0.112 | 23.3 | 89 | 0.00 |
| 55 | | Dibenzofuran | 1.723 | 1.707 | 0.9 | 124 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.259 | 0.270 | -4.2 | 119 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.360 | 0.379 | -5.3 | 116 | 0.00 |
| 58 | | Fluorene | 1.320 | 1.338 | -1.4 | 127 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.361 | 0.360 | 0.3 | 119 | 0.00 |
| 60 | | Diethylphthalate | 1.342 | 1.347 | -0.4 | 121 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.638 | 0.646 | -1.3 | 128 | 0.00 |
| 62 | | 4-Nitroaniline | 0.285 | 0.319 | -11.9 | 125 | 0.00 |
| 63 | | Azobenzene | 1.341 | 1.392 | -3.8 | 128 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 117 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.109 | 0.103 | 5.5 | 108 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.628 | 0.617 | 1.8 | 122 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.213 | 0.212 | 0.5 | 122 | 0.00 |
| 68 | | Hexachlorobenzene | 0.249 | 0.250 | -0.4 | 123 | 0.00 |
| 69 | | Atrazine | 0.200 | 0.203 | -1.5 | 115 | 0.00 |
| 70 | C | Pentachlorophenol | 0.162 | 0.166 | -2.5 | 119 | 0.00 |
| 71 | | Phenanthrene | 1.143 | 1.120 | 2.0 | 122 | 0.00 |
| 72 | | Anthracene | 1.143 | 1.133 | 0.9 | 122 | 0.00 |
| 73 | | Carbazole | 1.041 | 1.056 | -1.4 | 122 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.133 | 1.200 | -5.9 | 121 | 0.00 |
| 75 | C | Fluoranthene | 1.205 | 1.248 | -3.6 | 124 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 131 | -0.01 |
| 77 | | Benzidine | 0.562 | 0.561 | 0.2 | 119 | 0.00 |
| 78 | | Pyrene | 1.348 | 1.268 | 5.9 | 126 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.055 | 1.032 | 2.2 | 134 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.450 | 0.467 | -3.8 | 125 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.266 | 1.244 | 1.7 | 134 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.386 | 0.424 | -9.8 | 134 | 0.00 |
| 83 | | Chrysene | 1.204 | 1.191 | 1.1 | 136 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.693 | 0.745 | -7.5 | 132 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 1.028 | 1.126 | -9.5 | 132 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 148 | -0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.288 | 1.380 | -7.1 | 172# | -0.02 |
| 88 | | Benzo(b)fluoranthene | 1.163 | 1.147 | 1.4 | 146 | -0.01 |
| 89 | | Benzo(k)fluoranthene | 1.187 | 1.200 | -1.1 | 153# | -0.01 |
| 90 | C | Benzo(a)pyrene | 1.093 | 1.110 | -1.6 | 152# | -0.01 |
| 91 | | Dibenzo(a,h)anthracene | 1.045 | 1.138 | -8.9 | 174# | -0.02 |
| 92 | | Benzo(g,h,i)perylene | 1.046 | 1.136 | -8.6 | 177# | -0.02 |

Sample Results: **BM050300.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050300.D
Acq On : 13 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jun 13 14:48:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BM050300.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050300.D
Acq On : 13 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jun 13 14:48:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 140 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 42.343 | -5.9 | 162 | 0.00 |
| 3 | | Pyridine | 40.000 | 42.971 | -7.4 | 156 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 44.242 | -10.6 | 160 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 84.844 | -6.1 | 155 | 0.00 |
| 6 | | Aniline | 40.000 | 39.986 | 0.0 | 141 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 81.053 | -1.3 | 143 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.216 | -0.5 | 143 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 36.823 | 7.9 | 147 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.453 | -1.1 | 144 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.934 | -2.3 | 146 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.104 | -0.3 | 146 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.088 | 2.3 | 144 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.390 | 1.5 | 144 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 39.367 | 1.6 | 136 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 47.800 | -19.5 | 171 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.258 | 1.9 | 136 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 41.035 | -2.6 | 149 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.632 | -1.6 | 137 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.089 | 2.3 | 133 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 130 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.440 | 1.4 | 135 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 84.508 | -5.6 | 141 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.833 | -4.6 | 141 | -0.01 |
| 25 | | Isophorone | 40.000 | 39.852 | 0.4 | 131 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.717 | -1.8 | 129 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.585 | 1.0 | 132 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.382 | -3.5 | 137 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.488 | 1.3 | 129 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.979 | 2.6 | 133 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.976 | 2.6 | 134 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 36.607 | 8.5 | 114 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 39.131 | 2.2 | 130 | -0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.110 | 4.7 | 129 | -0.01 |
| 35 | | Caprolactam | 40.000 | 39.305 | 1.7 | 120 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.475 | 1.3 | 126 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.198 | 2.0 | 130 | -0.01 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.258 | 1.9 | 131 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 121 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.545 | 1.1 | 127 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 39.357 | 1.6 | 122 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 82.114 | -2.6 | 122 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.749 | 0.6 | 122 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 39.145 | 2.1 | 119 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 78.934 | 1.3 | 128 | -0.01 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.551 | 1.1 | 127 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.000 | 2.5 | 126 | 0.00 |

Sample Results: **BM050300.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050300.D
Acq On : 13 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jun 13 14:48:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 46.099 | -15.2 | 133 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.502 | 1.2 | 123 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.243 | 1.9 | 119 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.285 | -3.2 | 118 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 38.819 | 3.0 | 122 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 42.534 | -6.3 | 121 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 28.800 | 28.0# | 89 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.633 | 0.9 | 124 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 41.770 | -4.4 | 119 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 42.112 | -5.3 | 116 | 0.00 |
| 58 | | Fluorene | 40.000 | 40.548 | -1.4 | 127 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.960 | 0.1 | 119 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.141 | -0.4 | 121 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.518 | -1.3 | 128 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 44.848 | -12.1 | 125 | 0.00 |
| 63 | | Azobenzene | 40.000 | 41.497 | -3.7 | 128 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 117 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 37.588 | 6.0 | 108 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 39.288 | 1.8 | 122 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.732 | 0.7 | 122 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 40.065 | -0.2 | 123 | 0.00 |
| 69 | | Atrazine | 40.000 | 40.571 | -1.4 | 115 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 41.011 | -2.5 | 119 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 39.225 | 1.9 | 122 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.656 | 0.9 | 122 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.581 | -1.5 | 122 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 42.376 | -5.9 | 121 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 41.444 | -3.6 | 124 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 131 | -0.01 |
| 77 | | Benzidine | 40.000 | 39.889 | 0.3 | 119 | 0.00 |
| 78 | | Pyrene | 40.000 | 37.634 | 5.9 | 126 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 78.227 | 2.2 | 134 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 41.502 | -3.8 | 125 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.314 | 1.7 | 134 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 43.973 | -9.9 | 134 | 0.00 |
| 83 | | Chrysene | 40.000 | 39.565 | 1.1 | 136 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.009 | -7.5 | 132 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 43.829 | -9.6 | 132 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 148 | -0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 42.874 | -7.2 | 172 | -0.02 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 39.455 | 1.4 | 146 | -0.01 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 40.443 | -1.1 | 153 | -0.01 |
| 90 | C | Benzo(a)pyrene | 40.000 | 40.629 | -1.6 | 152 | -0.01 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 43.561 | -8.9 | 174 | -0.02 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 43.425 | -8.6 | 177 | -0.02 |

Sample Results: **BM050300.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050300.D
Acq On : 13 Jun 2025 13:56
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jun 13 14:48:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2301 SAS No.: Q2301 SDG No.: Q2301

Instrument ID: BNA_M Calibration Date/Time: 06/14/2025 01:01

Lab File ID: BM050314.D Init. Calib. Date(s): 06/05/2025 06/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:20 13:56

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

| COMPOUND | RRF | RRF040 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Pyridine | 1.361 | 1.468 | | 7.9 | |
| 2-Fluorophenol | 1.199 | 1.267 | | 5.7 | |
| Phenol-d6 | 1.578 | 1.586 | | 0.5 | |
| 1,4-Dichlorobenzene | 1.534 | 1.507 | | -1.8 | 20.0 |
| 2-Methylphenol | 1.102 | 1.091 | | -1.0 | |
| 3+4-Methylphenols | 1.474 | 1.438 | | -2.4 | |
| Nitrobenzene-d5 | 0.385 | 0.409 | | 6.2 | |
| Hexachloroethane | 0.555 | 0.583 | | 5.0 | |
| Nitrobenzene | 0.350 | 0.378 | | 8.0 | |
| Hexachlorobutadiene | 0.190 | 0.183 | | -3.7 | 20.0 |
| 2,4,6-Trichlorophenol | 0.380 | 0.379 | | -0.3 | 20.0 |
| 2-Fluorobiphenyl | 1.477 | 1.475 | | -0.1 | |
| 2,4,5-Trichlorophenol | 0.417 | 0.416 | | -0.2 | |
| 2,4-Dinitrotoluene | 0.360 | 0.378 | | 5.0 | |
| 2,4,6-Tribromophenol | 0.227 | 0.238 | | 4.8 | |
| Hexachlorobenzene | 0.249 | 0.249 | | 0.0 | |
| Pentachlorophenol | 0.162 | 0.166 | | 2.5 | 20.0 |
| Terphenyl-d14 | 1.055 | 1.028 | | -2.6 | |

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050314.D
Acq On : 14 Jun 2025 01:01
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Quant Time: Jun 14 01:58:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.763 | 152 | 461796 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.551 | 136 | 1832641 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.392 | 164 | 1033250 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.127 | 188 | 1896532 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.356 | 240 | 1997483 | 20.000 | ng | | -0.02 |
| 86) Perylene-d12 | 24.327 | 264 | 2122629 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.352 | 112 | 2340734 | 84.554 | ng | | 0.00 |
| 7) Phenol-d6 | 6.928 | 99 | 2928879 | 80.370 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.916 | 82 | 2998424 | 85.092 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.874 | 330 | 982884 | 83.632 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 6094464 | 79.855 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.756 | 244 | 8216515 | 77.950 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.275 | 88 | 519896 | 42.844 | ng | | 90 |
| 3) Pyridine | 3.669 | 79 | 1355687 | 43.141 | ng | | 93 |
| 4) n-Nitrosodimethylamine | 3.581 | 42 | 286995 | 44.166 | ng | | 93 |
| 6) Aniline | 7.093 | 93 | 1904858 | 39.539 | ng | | 96 |
| 8) 2-Chlorophenol | 7.328 | 128 | 1249009 | 41.018 | ng | | 97 |
| 9) Benzaldehyde | 6.904 | 77 | 833289 | 35.965 | ng | | 97 |
| 10) Phenol | 6.957 | 94 | 1564342 | 40.571 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.187 | 93 | 1281712 | 41.327 | ng | | 95 |
| 12) 1,3-Dichlorobenzene | 7.651 | 146 | 1352686 | 39.736 | ng | | 97 |
| 13) 1,4-Dichlorobenzene | 7.798 | 146 | 1391616 | 39.290 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.110 | 146 | 1323910 | 39.210 | ng | | 99 |
| 15) Benzyl Alcohol | 7.998 | 79 | 1023551 | 39.380 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.293 | 45 | 1023365 | 47.500 | ng | | 94 |
| 17) 2-Methylphenol | 8.198 | 107 | 1007954 | 39.619 | ng | | 99 |
| 18) Hexachloroethane | 8.840 | 117 | 538231 | 41.962 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.569 | 70 | 904356 | 40.552 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.528 | 107 | 1327788 | 39.009 | ng | | 99 |
| 22) Acetophenone | 8.581 | 105 | 1831809 | 40.009 | ng | # | 98 |
| 24) Nitrobenzene | 8.951 | 77 | 1386750 | 43.271 | ng | | 95 |
| 25) Isophorone | 9.487 | 82 | 2396011 | 39.395 | ng | | 98 |
| 26) 2-Nitrophenol | 9.663 | 139 | 554076 | 40.053 | ng | | 97 |
| 27) 2,4-Dimethylphenol | 9.728 | 122 | 1114967 | 39.226 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.963 | 93 | 1640417 | 41.287 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.198 | 162 | 1030914 | 39.193 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.416 | 180 | 1160988 | 39.664 | ng | | 100 |
| 31) Naphthalene | 10.598 | 128 | 3690378 | 38.948 | ng | | 99 |
| 32) Benzoic acid | 9.851 | 122 | 638835 | 35.763 | ng | | 95 |
| 33) 4-Chloroaniline | 10.704 | 127 | 1580459 | 39.124 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.892 | 225 | 670095 | 38.488 | ng | | 99 |
| 35) Caprolactam | 11.481 | 113 | 304877 | 36.560 | ng | | 85 |
| 36) 4-Chloro-3-methylphenol | 11.828 | 107 | 1085998 | 38.693 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.210 | 142 | 2193919 | 38.381 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.433 | 142 | 2313443 | 38.132 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.581 | 216 | 1213211 | 40.663 | ng | | 100 |
| 41) Hexachlorocyclopentadiene | 12.569 | 237 | 747383 | 41.247 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.822 | 196 | 783981 | 39.957 | ng | | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050314.D
Acq On : 14 Jun 2025 01:01
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Quant Time: Jun 14 01:58:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

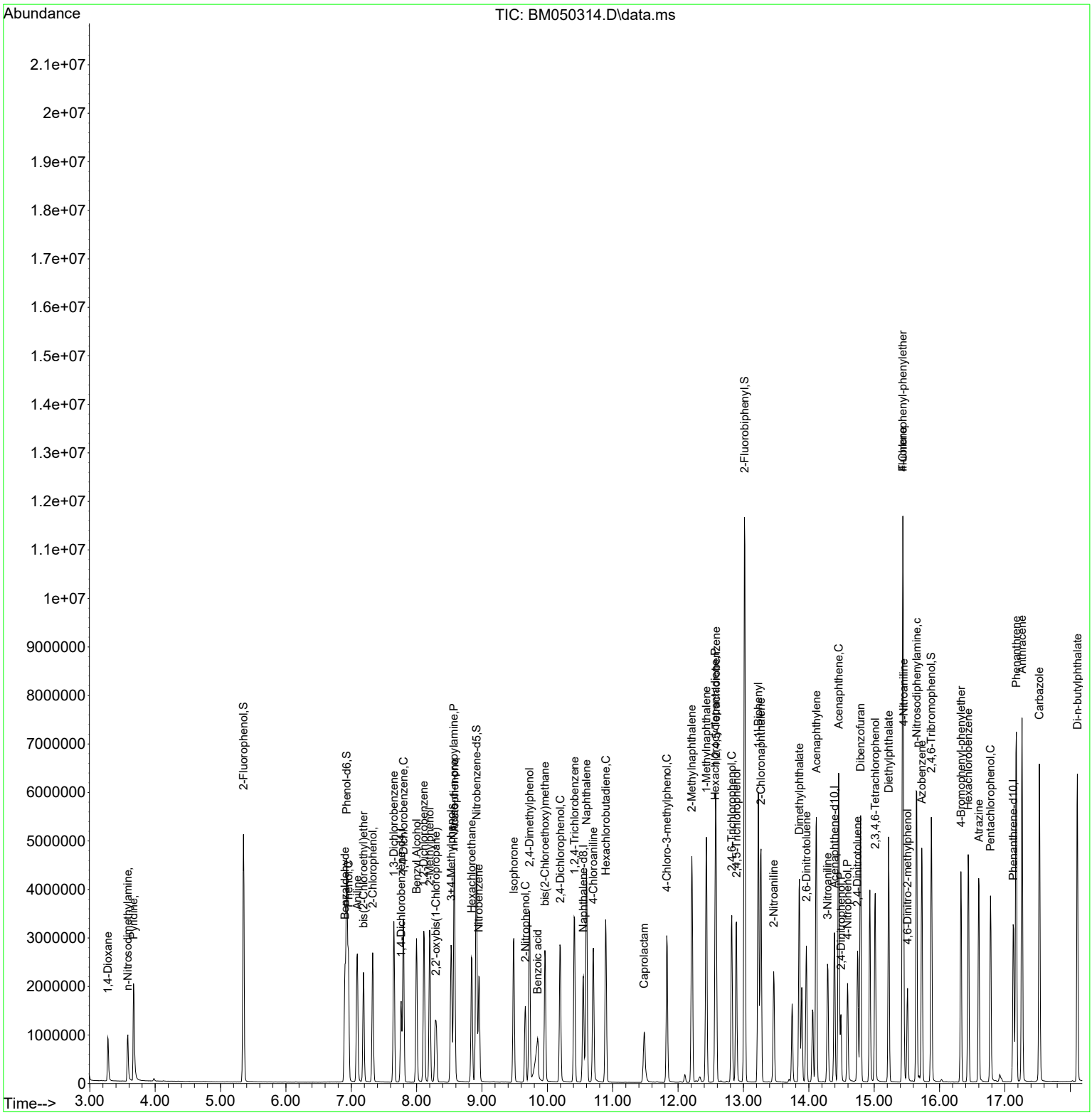
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.892 | 196 | 859918 | 39.917 | ng | 97 |
| 46) 1,1'-Biphenyl | 13.228 | 154 | 3068094 | 39.656 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.269 | 162 | 2412999 | 40.117 | ng | 99 |
| 48) 2-Nitroaniline | 13.463 | 65 | 615005 | 46.462 | ng | 89 |
| 49) Acenaphthylene | 14.116 | 152 | 3859101 | 39.667 | ng | 100 |
| 50) Dimethylphthalate | 13.857 | 163 | 2765588 | 39.577 | ng | 100 |
| 51) 2,6-Dinitrotoluene | 13.963 | 165 | 585390 | 41.540 | ng | 91 |
| 52) Acenaphthene | 14.457 | 154 | 2405196 | 39.526 | ng | 99 |
| 53) 3-Nitroaniline | 14.286 | 138 | 664938 | 42.337 | ng | 97 |
| 54) 2,4-Dinitrophenol | 14.492 | 184 | 292634 | 35.250 | ng | 95 |
| 55) Dibenzofuran | 14.792 | 168 | 3513989 | 39.472 | ng | 100 |
| 56) 4-Nitrophenol | 14.592 | 139 | 561661 | 42.016 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 14.745 | 165 | 781508 | 42.040 | ng | 90 |
| 58) Fluorene | 15.439 | 166 | 2762162 | 40.509 | ng | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.016 | 232 | 748964m | 40.184 | ng | |
| 60) Diethylphthalate | 15.222 | 149 | 2796267 | 40.331 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.439 | 204 | 1320515 | 40.071 | ng | 97 |
| 62) 4-Nitroaniline | 15.451 | 138 | 655537 | 44.532 | ng | 98 |
| 63) Azobenzene | 15.727 | 77 | 2957802 | 42.681 | ng | 96 |
| 65) 4,6-Dinitro-2-methylph... | 15.510 | 198 | 409287 | 39.512 | ng | 92 |
| 66) n-Nitrosodiphenylamine | 15.651 | 169 | 2392082 | 40.142 | ng | 100 |
| 67) 4-Bromophenyl-phenylether | 16.327 | 248 | 816271 | 40.361 | ng | 99 |
| 68) Hexachlorobenzene | 16.439 | 284 | 944868 | 39.987 | ng | 98 |
| 69) Atrazine | 16.604 | 200 | 768070 | 40.452 | ng | 99 |
| 70) Pentachlorophenol | 16.780 | 266 | 631145 | 41.083 | ng | 99 |
| 71) Phenanthrene | 17.174 | 178 | 4282675 | 39.529 | ng | 99 |
| 72) Anthracene | 17.263 | 178 | 4370874 | 40.327 | ng | 100 |
| 73) Carbazole | 17.527 | 167 | 4026601 | 40.779 | ng | 100 |
| 74) Di-n-butylphthalate | 18.110 | 149 | 4639282 | 43.181 | ng | 99 |
| 75) Fluoranthene | 19.186 | 202 | 4685280 | 41.007 | ng | 98 |
| 77) Benzidine | 19.368 | 184 | 2008349 | 35.754 | ng | 100 |
| 78) Pyrene | 19.545 | 202 | 5050803 | 37.516 | ng | 100 |
| 80) Butylbenzylphthalate | 20.456 | 149 | 1929950 | 42.975 | ng | 98 |
| 81) Benzo(a)anthracene | 21.339 | 228 | 5013403 | 39.653 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.262 | 252 | 1707092 | 44.276 | ng | 99 |
| 83) Chrysene | 21.403 | 228 | 4783752 | 39.777 | ng | 99 |
| 84) Bis(2-ethylhexyl)phtha... | 21.286 | 149 | 3053887 | 44.148 | ng | 98 |
| 85) Di-n-octyl phthalate | 22.409 | 149 | 4715204 | 45.936 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 27.680 | 276 | 5989949 | 43.827 | ng | 99 |
| 88) Benzo(b)fluoranthene | 23.392 | 252 | 4938005 | 40.013 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.456 | 252 | 5137634 | 40.780 | ng | 100 |
| 90) Benzo(a)pyrene | 24.192 | 252 | 4789125 | 41.274 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 27.738 | 278 | 4903160 | 44.198 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 28.721 | 276 | 4892459 | 44.063 | ng | 100 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050314.D
Acq On : 14 Jun 2025 01:01
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

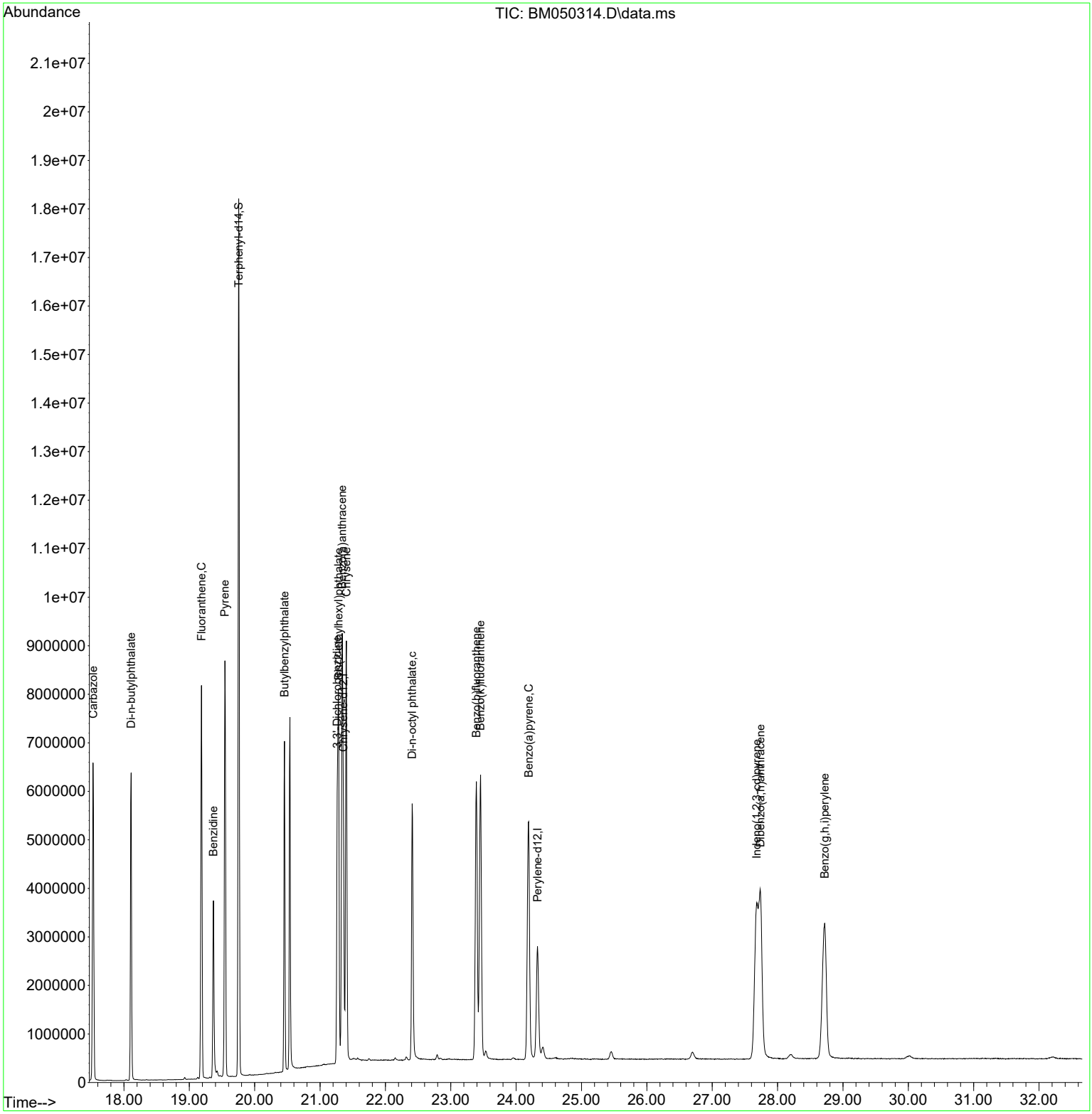
Quant Time: Jun 14 01:58:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050314.D
Acq On : 14 Jun 2025 01:01
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTDCCC040

Quant Time: Jun 14 01:58:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration



Sample Results: **BM050314.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050314.D
Acq On : 14 Jun 2025 01:01
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jun 14 01:58:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

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

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 150 | 0.00 |
| 2 | | 1,4-Dioxane | 0.526 | 0.563 | -7.0 | 176# | 0.00 |
| 3 | | Pyridine | 1.361 | 1.468 | -7.9 | 167# | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.281 | 0.311 | -10.7 | 171# | 0.00 |
| 5 | S | 2-Fluorophenol | 1.199 | 1.267 | -5.7 | 165# | 0.00 |
| 6 | | Aniline | 2.086 | 2.062 | 1.2 | 149 | 0.00 |
| 7 | S | Phenol-d6 | 1.578 | 1.586 | -0.5 | 152# | 0.00 |
| 8 | | 2-Chlorophenol | 1.319 | 1.352 | -2.5 | 156# | 0.00 |
| 9 | | Benzaldehyde | 1.003 | 0.902 | 10.1 | 154# | 0.00 |
| 10 | C | Phenol | 1.670 | 1.694 | -1.4 | 154# | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.343 | 1.388 | -3.4 | 158# | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.474 | 1.465 | 0.6 | 155# | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.534 | 1.507 | 1.8 | 155# | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.462 | 1.433 | 2.0 | 153# | -0.01 |
| 15 | | Benzyl Alcohol | 1.126 | 1.108 | 1.6 | 145 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 0.933 | 1.108 | -18.8 | 182# | 0.00 |
| 17 | | 2-Methylphenol | 1.102 | 1.091 | 1.0 | 147 | 0.00 |
| 18 | | Hexachloroethane | 0.556 | 0.583 | -4.9 | 164# | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.966 | 0.979 | -1.3 | 146 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.474 | 1.438 | 2.4 | 142 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 139 | 0.00 |
| 22 | | Acetophenone | 0.500 | 0.500 | 0.0 | 146 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.385 | 0.409 | -6.2 | 151# | 0.00 |
| 24 | | Nitrobenzene | 0.350 | 0.378 | -8.0 | 155# | -0.01 |
| 25 | | Isophorone | 0.664 | 0.654 | 1.5 | 138 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.151 | 0.151 | 0.0 | 136 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.310 | 0.304 | 1.9 | 140 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.434 | 0.448 | -3.2 | 146 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.287 | 0.281 | 2.1 | 137 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.319 | 0.317 | 0.6 | 144 | 0.00 |
| 31 | | Naphthalene | 1.034 | 1.007 | 2.6 | 143 | 0.00 |
| 32 | | Benzoic acid | 0.195 | 0.174 | 10.8 | 119 | 0.00 |
| 33 | | 4-Chloroaniline | 0.441 | 0.431 | 2.3 | 139 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.190 | 0.183 | 3.7 | 140 | -0.01 |
| 35 | | Caprolactam | 0.091 | 0.083 | 8.8 | 119 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.306 | 0.296 | 3.3 | 132 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.624 | 0.599 | 4.0 | 135 | -0.01 |
| 38 | | 1-Methylnaphthalene | 0.662 | 0.631 | 4.7 | 135 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 126 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.578 | 0.587 | -1.6 | 137 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.351 | 0.362 | -3.1 | 134 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.227 | 0.238 | -4.8 | 130 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.380 | 0.379 | 0.3 | 128 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.417 | 0.416 | 0.2 | 127 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.477 | 1.475 | 0.1 | 135 | -0.01 |
| 46 | | 1,1'-Biphenyl | 1.498 | 1.485 | 0.9 | 133 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.164 | 1.168 | -0.3 | 136 | 0.00 |

Sample Results: **BM050314.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050314.D
Acq On : 14 Jun 2025 01:01
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jun 14 01:58:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

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

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.256 | 0.298 | -16.4 | 140 | 0.00 |
| 49 | | Acenaphthylene | 1.883 | 1.867 | 0.8 | 130 | 0.00 |
| 50 | | Dimethylphthalate | 1.353 | 1.338 | 1.1 | 126 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.273 | 0.283 | -3.7 | 124 | 0.00 |
| 52 | C | Acenaphthene | 1.178 | 1.164 | 1.2 | 130 | 0.00 |
| 53 | | 3-Nitroaniline | 0.304 | 0.322 | -5.9 | 126 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.146 | 0.142 | 2.7 | 117 | 0.00 |
| 55 | | Dibenzofuran | 1.723 | 1.700 | 1.3 | 129 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.259 | 0.272 | -5.0 | 125 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.360 | 0.378 | -5.0 | 121 | 0.00 |
| 58 | | Fluorene | 1.320 | 1.337 | -1.3 | 133 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.361 | 0.362 | -0.3 | 125 | 0.00 |
| 60 | | Diethylphthalate | 1.342 | 1.353 | -0.8 | 127 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.638 | 0.639 | -0.2 | 132 | 0.00 |
| 62 | | 4-Nitroaniline | 0.285 | 0.317 | -11.2 | 130 | 0.00 |
| 63 | | Azobenzene | 1.341 | 1.431 | -6.7 | 137 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 119 | -0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.109 | 0.108 | 0.9 | 116 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.628 | 0.631 | -0.5 | 127 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.213 | 0.215 | -0.9 | 126 | 0.00 |
| 68 | | Hexachlorobenzene | 0.249 | 0.249 | 0.0 | 125 | 0.00 |
| 69 | | Atrazine | 0.200 | 0.202 | -1.0 | 117 | 0.00 |
| 70 | C | Pentachlorophenol | 0.162 | 0.166 | -2.5 | 121 | 0.00 |
| 71 | | Phenanthrene | 1.143 | 1.129 | 1.2 | 126 | 0.00 |
| 72 | | Anthracene | 1.143 | 1.152 | -0.8 | 127 | 0.00 |
| 73 | | Carbazole | 1.041 | 1.062 | -2.0 | 125 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.133 | 1.223 | -7.9 | 126 | 0.00 |
| 75 | C | Fluoranthene | 1.205 | 1.235 | -2.5 | 125 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 135 | -0.02 |
| 77 | | Benzidine | 0.562 | 0.503 | 10.5 | 110 | 0.00 |
| 78 | | Pyrene | 1.348 | 1.264 | 6.2 | 128 | -0.01 |
| 79 | S | Terphenyl-d14 | 1.055 | 1.028 | 2.6 | 137 | -0.01 |
| 80 | | Butylbenzylphthalate | 0.450 | 0.483 | -7.3 | 133 | -0.01 |
| 81 | | Benzo(a)anthracene | 1.266 | 1.255 | 0.9 | 139 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.386 | 0.427 | -10.6 | 139 | -0.01 |
| 83 | | Chrysene | 1.204 | 1.197 | 0.6 | 140 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.693 | 0.764 | -10.2 | 139 | -0.02 |
| 85 | c | Di-n-octyl phthalate | 1.028 | 1.180 | -14.8 | 143 | -0.03 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 151# | -0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.288 | 1.411 | -9.5 | 178# | -0.03 |
| 88 | | Benzo(b)fluoranthene | 1.163 | 1.163 | 0.0 | 150 | -0.02 |
| 89 | | Benzo(k)fluoranthene | 1.187 | 1.210 | -1.9 | 156# | -0.02 |
| 90 | C | Benzo(a)pyrene | 1.093 | 1.128 | -3.2 | 157# | -0.02 |
| 91 | | Dibenzo(a,h)anthracene | 1.045 | 1.155 | -10.5 | 179# | -0.03 |
| 92 | | Benzo(g,h,i)perylene | 1.046 | 1.152 | -10.1 | 182# | -0.03 |

Sample Results: **BM050314.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050314.D
Acq On : 14 Jun 2025 01:01
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jun 14 01:58:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

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

| Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BM050314.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050314.D
Acq On : 14 Jun 2025 01:01
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jun 14 01:58:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 150 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 42.844 | -7.1 | 176 | 0.00 |
| 3 | | Pyridine | 40.000 | 43.141 | -7.9 | 167 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 44.166 | -10.4 | 171 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 84.554 | -5.7 | 165 | 0.00 |
| 6 | | Aniline | 40.000 | 39.539 | 1.2 | 149 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 80.370 | -0.5 | 152 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 41.018 | -2.5 | 156 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 35.965 | 10.1 | 154 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.571 | -1.4 | 154 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.327 | -3.3 | 158 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.736 | 0.7 | 155 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.290 | 1.8 | 155 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.210 | 2.0 | 153 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 39.380 | 1.5 | 145 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 47.500 | -18.8 | 182 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.619 | 1.0 | 147 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 41.962 | -4.9 | 164 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.552 | -1.4 | 146 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.009 | 2.5 | 142 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 139 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.009 | -0.0 | 146 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 85.092 | -6.4 | 151 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 43.271 | -8.2 | 155 | -0.01 |
| 25 | | Isophorone | 40.000 | 39.395 | 1.5 | 138 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.053 | -0.1 | 136 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.226 | 1.9 | 140 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.287 | -3.2 | 146 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.193 | 2.0 | 137 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.664 | 0.8 | 144 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.948 | 2.6 | 143 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 35.763 | 10.6 | 119 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 39.124 | 2.2 | 139 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.488 | 3.8 | 140 | -0.01 |
| 35 | | Caprolactam | 40.000 | 36.560 | 8.6 | 119 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.693 | 3.3 | 132 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.381 | 4.0 | 135 | -0.01 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.132 | 4.7 | 135 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 126 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.663 | -1.7 | 137 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 41.247 | -3.1 | 134 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 83.632 | -4.5 | 130 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.957 | 0.1 | 128 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 39.917 | 0.2 | 127 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 79.855 | 0.2 | 135 | -0.01 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.656 | 0.9 | 133 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 40.117 | -0.3 | 136 | 0.00 |

Sample Results: **BM050314.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050314.D
Acq On : 14 Jun 2025 01:01
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jun 14 01:58:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 46.462 | -16.2 | 140 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.667 | 0.8 | 130 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.577 | 1.1 | 126 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.540 | -3.8 | 124 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.526 | 1.2 | 130 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 42.337 | -5.8 | 126 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 35.250 | 11.9 | 117 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.472 | 1.3 | 129 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 42.016 | -5.0 | 125 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 42.040 | -5.1 | 121 | 0.00 |
| 58 | | Fluorene | 40.000 | 40.509 | -1.3 | 133 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.184 | -0.5 | 125 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.331 | -0.8 | 127 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.071 | -0.2 | 132 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 44.532 | -11.3 | 130 | 0.00 |
| 63 | | Azobenzene | 40.000 | 42.681 | -6.7 | 137 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 119 | -0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.512 | 1.2 | 116 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.142 | -0.4 | 127 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 40.361 | -0.9 | 126 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 39.987 | 0.0 | 125 | 0.00 |
| 69 | | Atrazine | 40.000 | 40.452 | -1.1 | 117 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 41.083 | -2.7 | 121 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 39.529 | 1.2 | 126 | 0.00 |
| 72 | | Anthracene | 40.000 | 40.327 | -0.8 | 127 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.779 | -1.9 | 125 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 43.181 | -8.0 | 126 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 41.007 | -2.5 | 125 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 135 | -0.02 |
| 77 | | Benzidine | 40.000 | 35.754 | 10.6 | 110 | 0.00 |
| 78 | | Pyrene | 40.000 | 37.516 | 6.2 | 128 | -0.01 |
| 79 | S | Terphenyl-d14 | 80.000 | 77.950 | 2.6 | 137 | -0.01 |
| 80 | | Butylbenzylphthalate | 40.000 | 42.975 | -7.4 | 133 | -0.01 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.653 | 0.9 | 139 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 44.276 | -10.7 | 139 | -0.01 |
| 83 | | Chrysene | 40.000 | 39.777 | 0.6 | 140 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 44.148 | -10.4 | 139 | -0.02 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 45.936 | -14.8 | 143 | -0.03 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 151 | -0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 43.827 | -9.6 | 178 | -0.03 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 40.013 | -0.0 | 150 | -0.02 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 40.780 | -2.0 | 156 | -0.02 |
| 90 | C | Benzo(a)pyrene | 40.000 | 41.274 | -3.2 | 157 | -0.02 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 44.198 | -10.5 | 179 | -0.03 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 44.063 | -10.2 | 182 | -0.03 |

Sample Results: **BM050314.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050314.D
Acq On : 14 Jun 2025 01:01
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_M
**LabSampleId :**
SSTDCCC040

Quant Time: Jun 14 01:58:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

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

| Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 0

# QC SAMPLE DATA

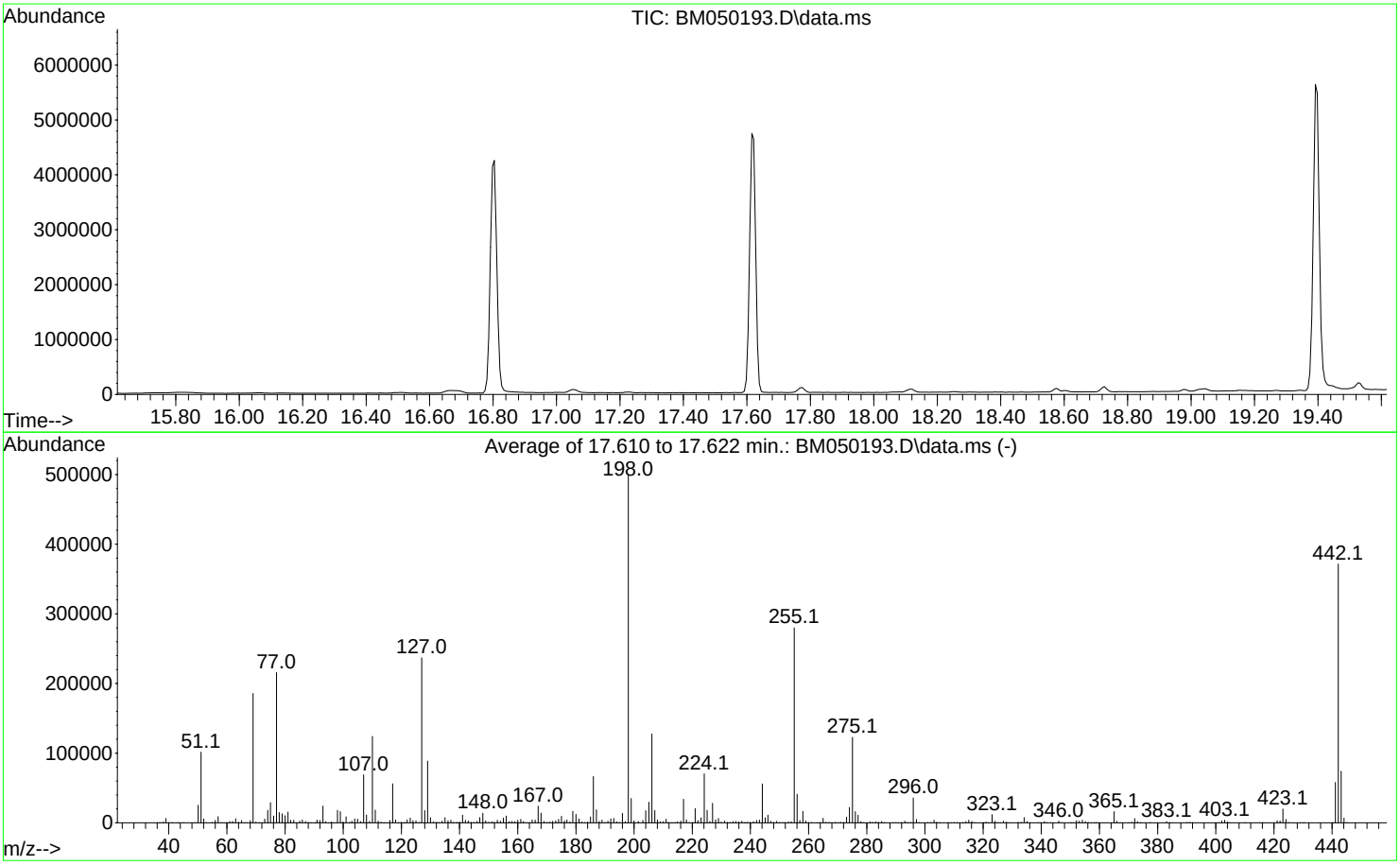
Sample Results: **BM050193.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050193.D
Acq On : 05 Jun 2025 08:40
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jun 05 16:20:25 2025



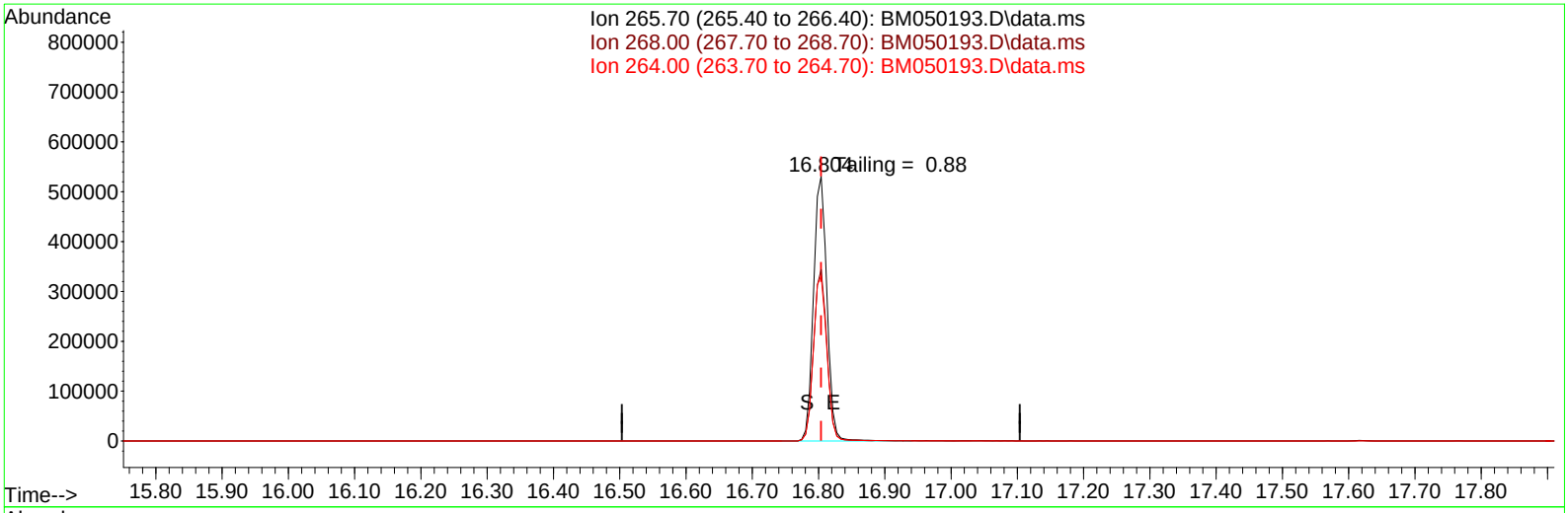

AutoFind: Scans 2486, 2487, 2488; Background Corrected with Scan 2479

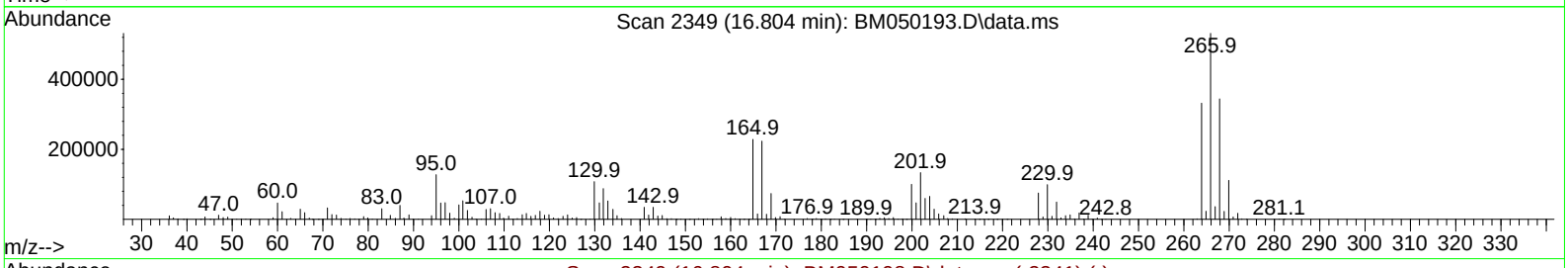
| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 20.3 | 101444 | PASS |
| 68 | 69 | 0.00 | 2 | 1.6 | 2964 | PASS |
| 69 | 198 | 0.00 | 100 | 37.2 | 185664 | PASS |
| 70 | 69 | 0.00 | 2 | 0.6 | 1032 | PASS |
| 127 | 198 | 10 | 80 | 47.5 | 237035 | PASS |
| 197 | 198 | 0.00 | 2 | 0.4 | 1811 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 499264 | PASS |
| 199 | 198 | 5 | 9 | 7.0 | 34904 | PASS |
| 275 | 198 | 10 | 60 | 24.6 | 122771 | PASS |
| 365 | 198 | 1 | 100 | 3.2 | 16128 | PASS |
| 441 | 198 | 0.01 | 100 | 11.6 | 57920 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 371584 | PASS |
| 443 | 442 | 15 | 24 | 19.9 | 74069 | PASS |

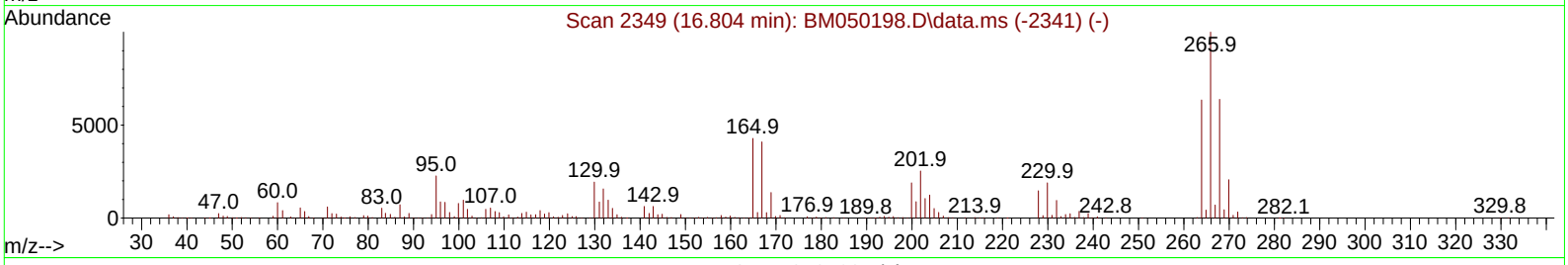
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050193.D
Acq On : 05 Jun 2025 08:40
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Quant Time: Jun 05 16:27:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration




TIC: BM050193.D\data.ms

**(70) Pentachlorophenol (C)**

**16.804min (+ 0.000) 1708888.69 ng**

**response 747502**

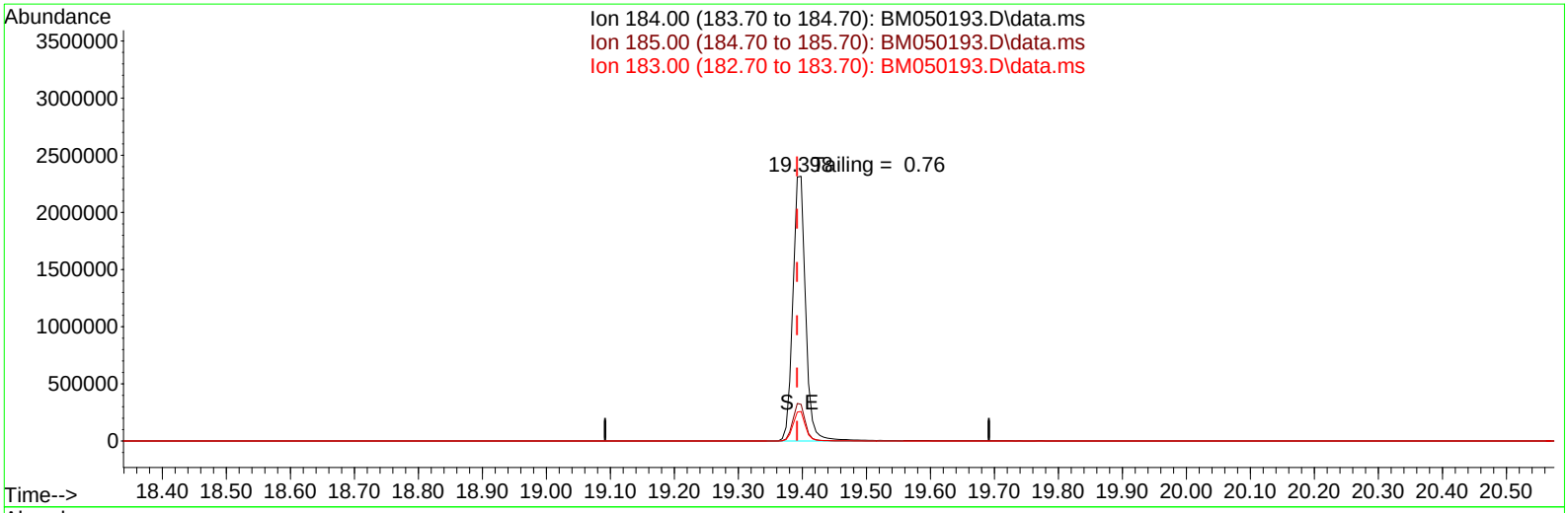
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.80 | 64.80 |
| 264.00 | 63.50 | 62.45 |
| 0.00 | 0.00 | 0.00 |

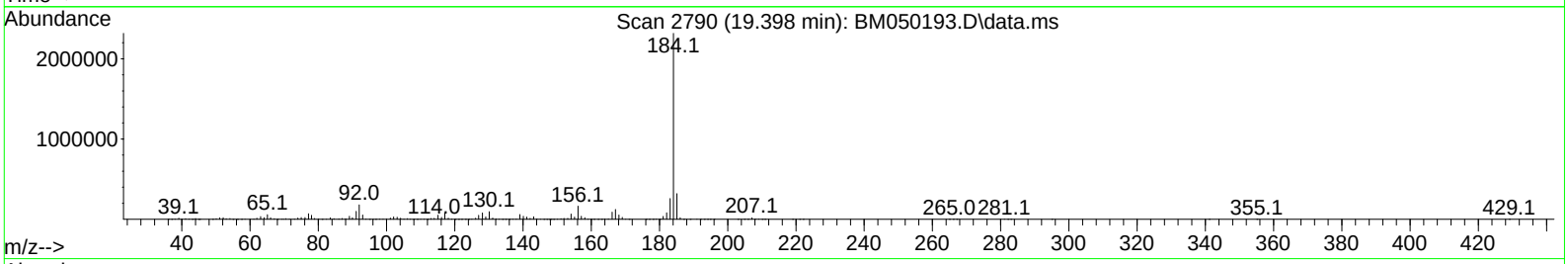
Sample Results: **BM050193.D**

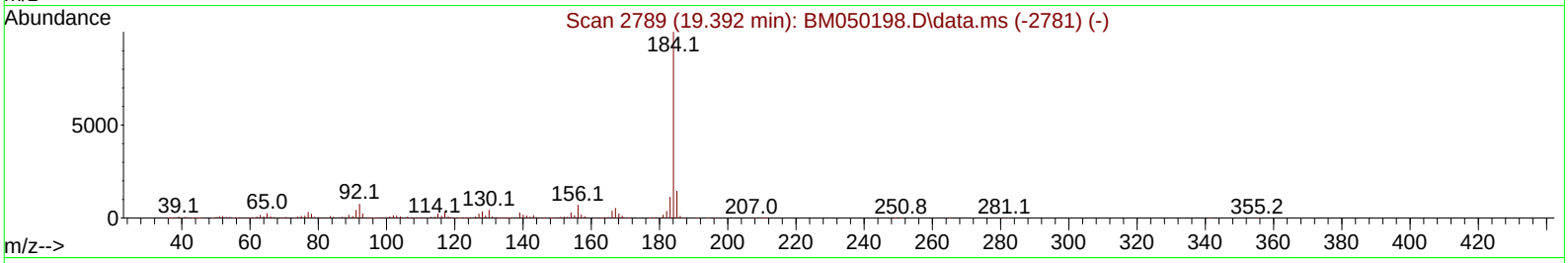
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060525\
Data File : BM050193.D
Acq On : 05 Jun 2025 08:40
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Quant Time: Jun 05 16:27:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 05 16:20:25 2025
Response via : Initial Calibration




TIC: BM050193.D\data.ms

**(77) Benzidine**

**19.398min (+ 0.006) 33233.28 ng**

**response 3215775**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.40 | 13.84 |
| 183.00 | 11.20 | 11.16 |
| 0.00 | 0.00 | 0.00 |

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 6/5/2025 | BNA_M | BM050193.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 1539212 | 20.645 |
| DDD | 20154 | 20.257 |
| DDE | 1832 | 19.692 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 21986 | 1561198 | 1.41 |
| | | |

Instrument :
BNA_M
ClientSampleId :
DFTPP

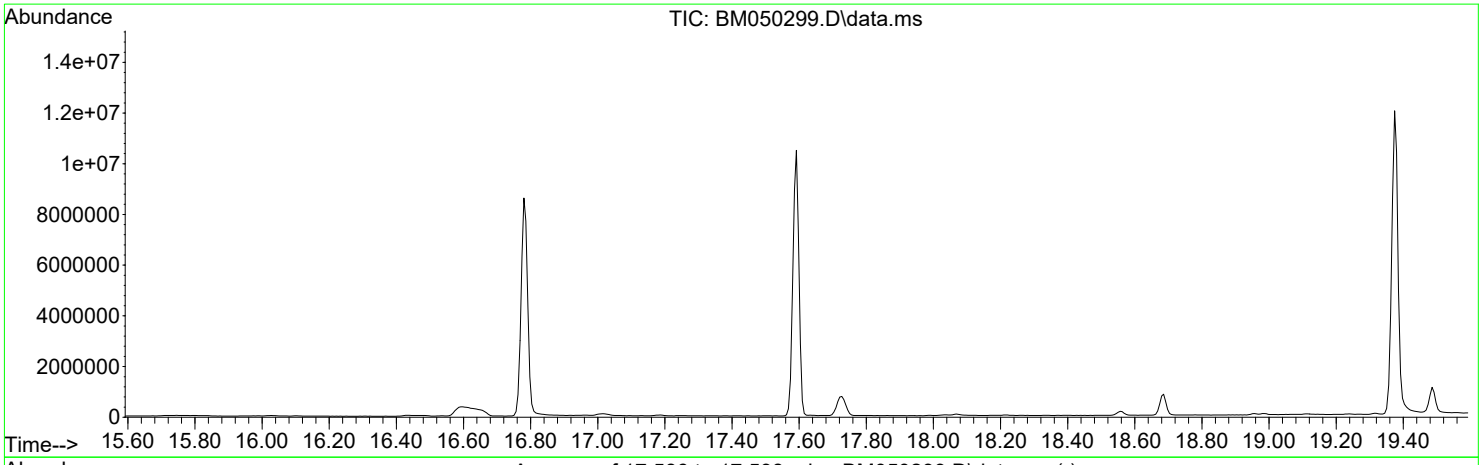
Sample Results: **BM050299.D**

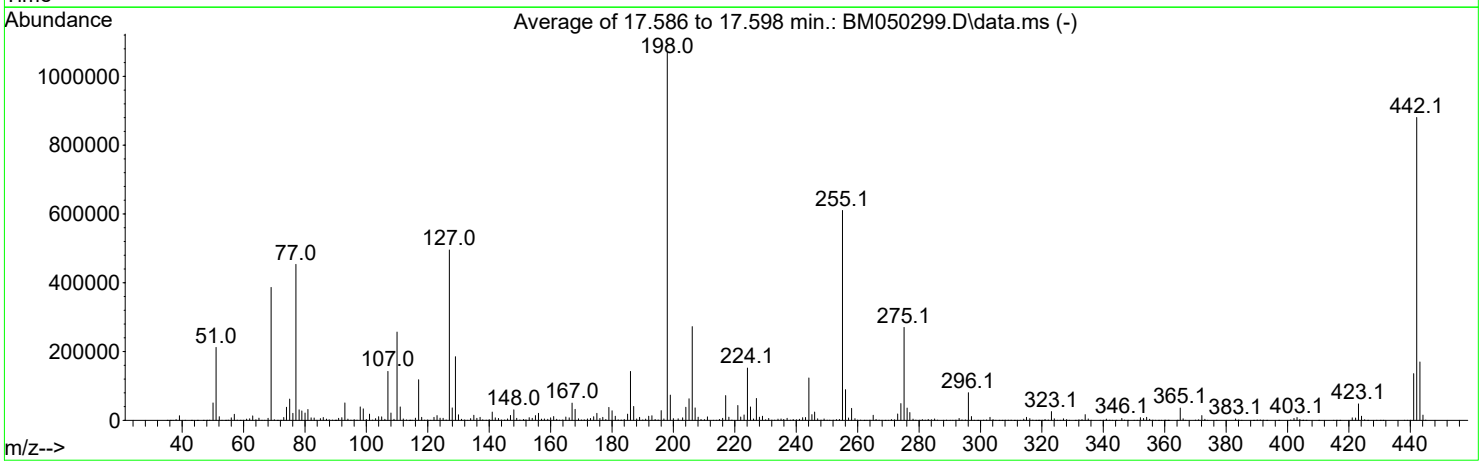
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050299.D
Acq On : 13 Jun 2025 13:06
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jun 09 11:54:38 2025




AutoFind: Scans 2482, 2483, 2484; Background Corrected with Scan 2474

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 19.8 | 211977 | PASS |
| 68 | 69 | 0.00 | 2 | 1.6 | 6013 | PASS |
| 69 | 198 | 0.00 | 100 | 36.2 | 386686 | PASS |
| 70 | 69 | 0.00 | 2 | 0.5 | 1832 | PASS |
| 127 | 198 | 10 | 80 | 46.3 | 495659 | PASS |
| 197 | 198 | 0.00 | 2 | 0.4 | 4144 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 1069440 | PASS |
| 199 | 198 | 5 | 9 | 6.9 | 73349 | PASS |
| 275 | 198 | 10 | 60 | 25.3 | 270187 | PASS |
| 365 | 198 | 1 | 100 | 3.4 | 35869 | PASS |
| 441 | 198 | 0.01 | 100 | 12.7 | 135752 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 880747 | PASS |
| 443 | 442 | 15 | 24 | 19.3 | 169835 | PASS |

## DDT Breakdown

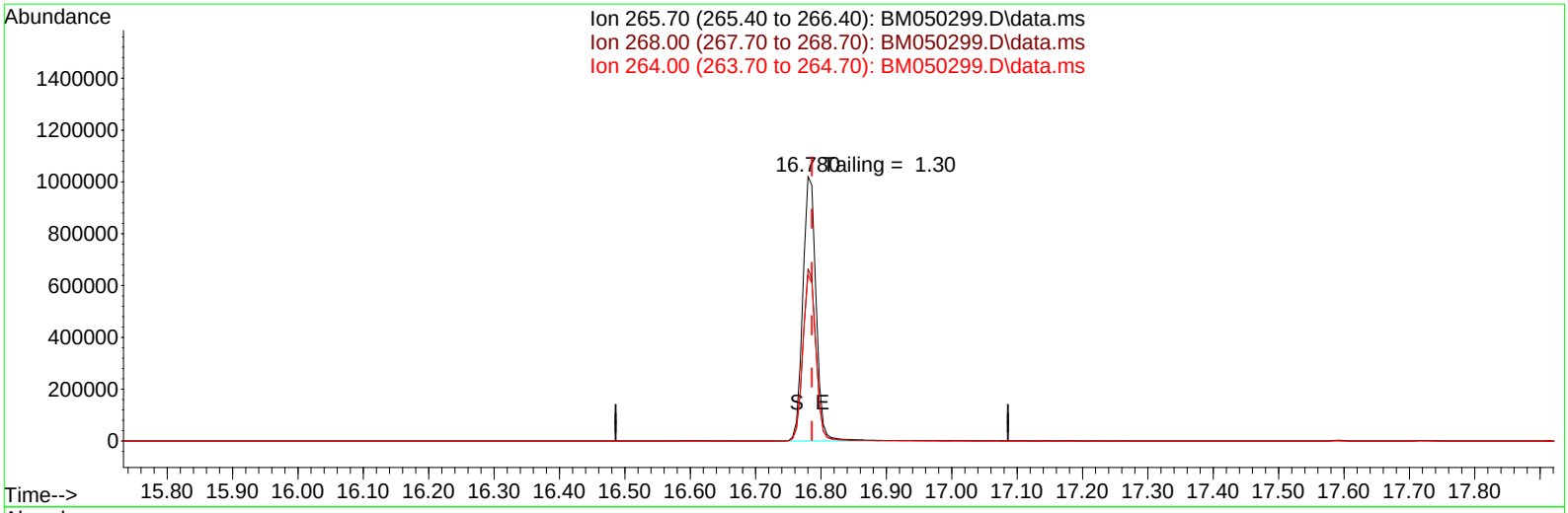
| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 6/13/2025 | BNA_M | BM050299.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 3370476 | 20.615 |
| DDD | 38022 | 20.227 |
| DDE | 5680 | 19.668 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 43702 | 3414178 | 1.28 |
| | | |

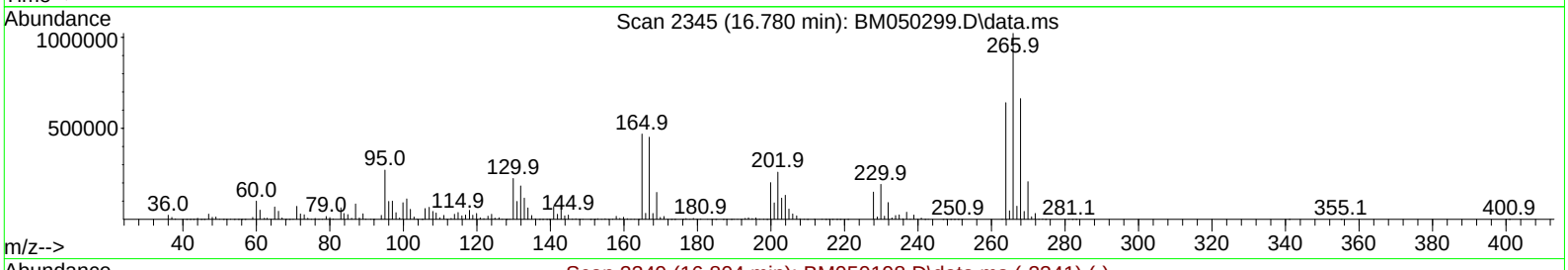
Instrument :
BNA_M
ClientSampleId :
DFTPP

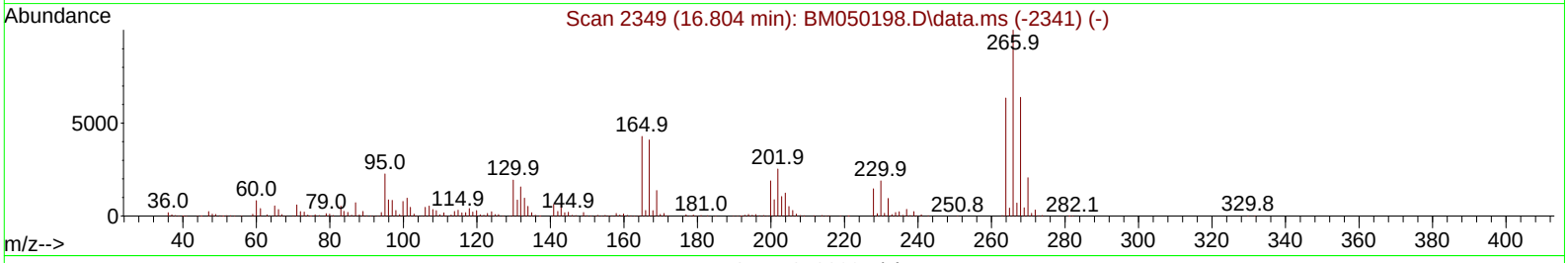
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050299.D
Acq On : 13 Jun 2025 13:06
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Quant Time: Jun 13 14:03:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration




TIC: BM050299.D\data.ms

**(70) Pentachlorophenol (C)**

**16.780min (-0.006) 1168905.43 ng**

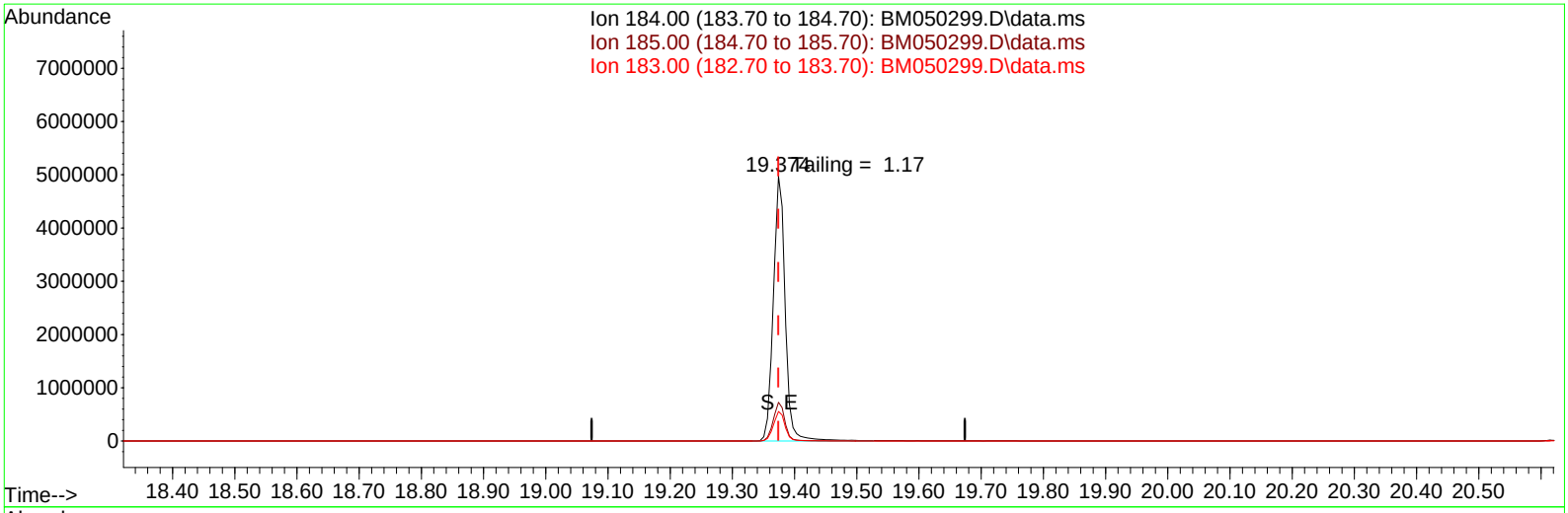
**response 1439222**

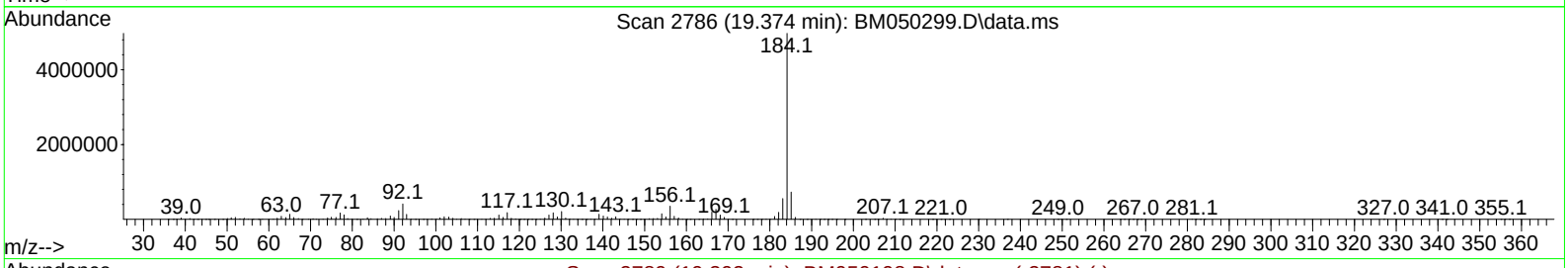
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.80 | 64.98 |
| 264.00 | 63.50 | 62.72 |
| 0.00 | 0.00 | 0.00 |

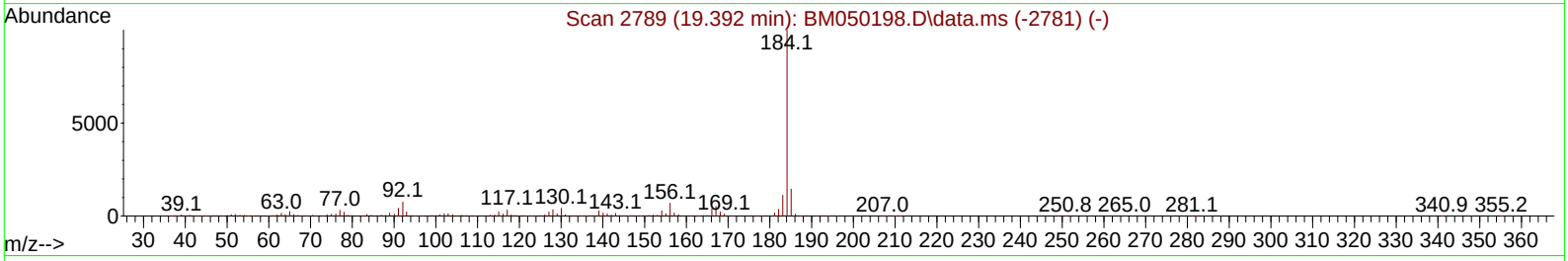
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050299.D
Acq On : 13 Jun 2025 13:06
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Quant Time: Jun 13 14:03:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration




TIC: BM050299.D\data.ms

**(77) Benzidine**

**19.374min (-0.000) 3527.81 ng**

**response 6639877**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.40 | 14.61 |
| 183.00 | 11.20 | 11.16 |
| 0.00 | 0.00 | 0.00 |

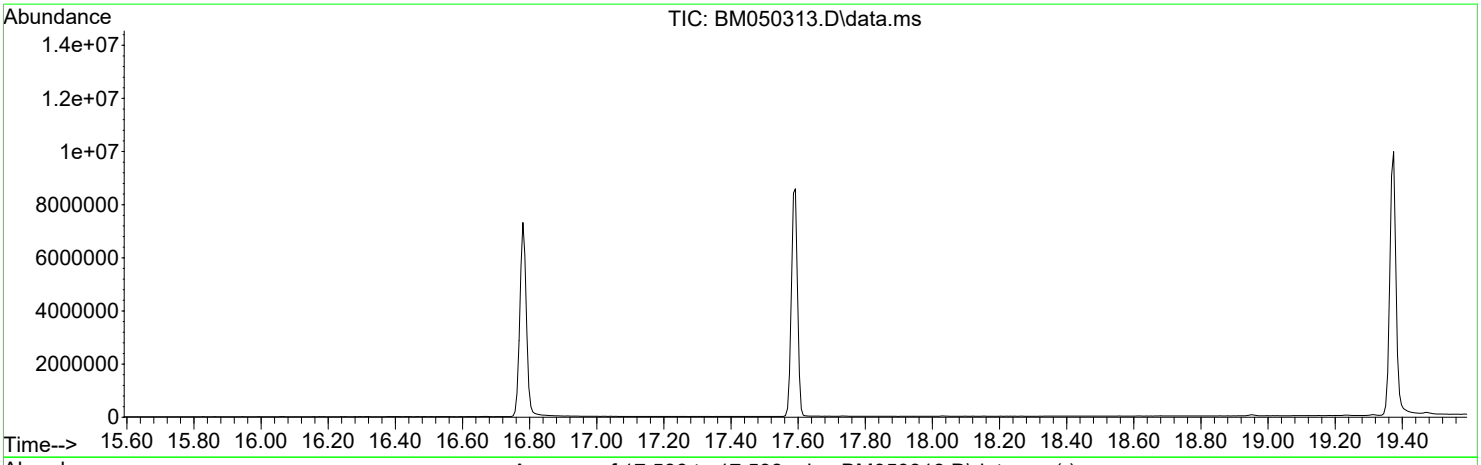
Sample Results: **BM050313.D**

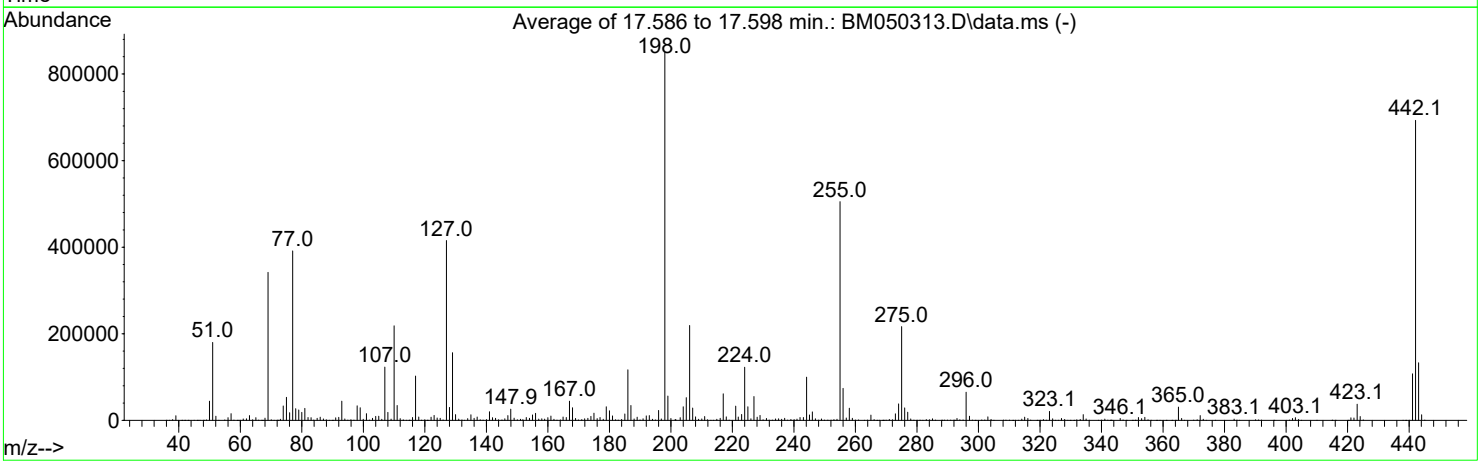
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050313.D
Acq On : 14 Jun 2025 00:22
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon Jun 09 11:54:38 2025




AutoFind: Scans 2482, 2483, 2484; Background Corrected with Scan 2474

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 21.2 | 180040 | PASS |
| 68 | 69 | 0.00 | 2 | 1.6 | 5301 | PASS |
| 69 | 198 | 0.00 | 100 | 40.2 | 341995 | PASS |
| 70 | 69 | 0.00 | 2 | 0.5 | 1663 | PASS |
| 127 | 198 | 10 | 80 | 48.9 | 415403 | PASS |
| 197 | 198 | 0.00 | 2 | 0.4 | 3487 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 849728 | PASS |
| 199 | 198 | 5 | 9 | 6.6 | 56200 | PASS |
| 275 | 198 | 10 | 60 | 25.5 | 216512 | PASS |
| 365 | 198 | 1 | 100 | 3.6 | 30629 | PASS |
| 441 | 198 | 0.01 | 100 | 12.7 | 107696 | PASS |
| 442 | 442 | 50 | 100 | 100.0 | 693056 | PASS |
| 443 | 442 | 15 | 24 | 19.2 | 132896 | PASS |

## DDT Breakdown

| Date | Instrument Name | DFTPP Data File |
|---|---|---|
| 6/13/2025 | BNA_M | BM050313.D |
| | | |
| | | |
| **Compound Name** | **Response** | **Retention Time** |
| | | |
| DDT | 3082392 | 20.609 |
| DDD | 22961 | 20.227 |
| DDE | 2634 | 19.662 |
| | | |
| | | |
| **SUM(DDD+DDE)** | **SUM(DDT+DDD+DDE)** | **% Breakdown Of DDT** |
| | | |
| 25595 | 3107987 | 0.82 |
| | | |

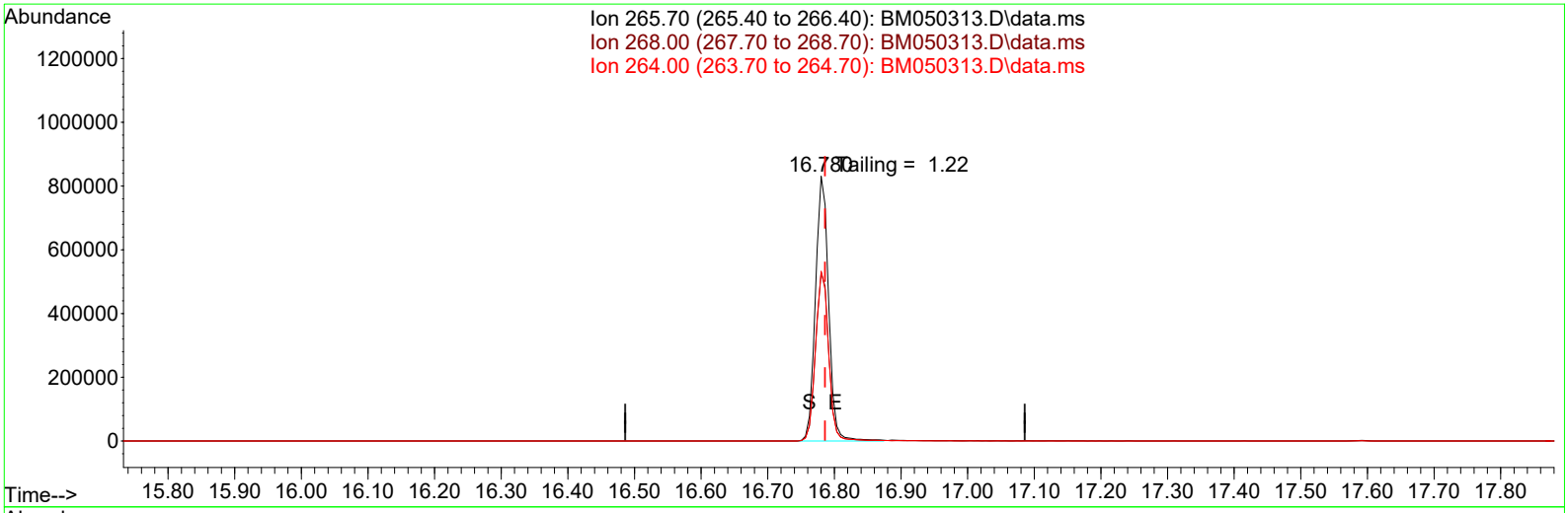
Instrument :
BNA_M
ClientSampleId :
DFTPP

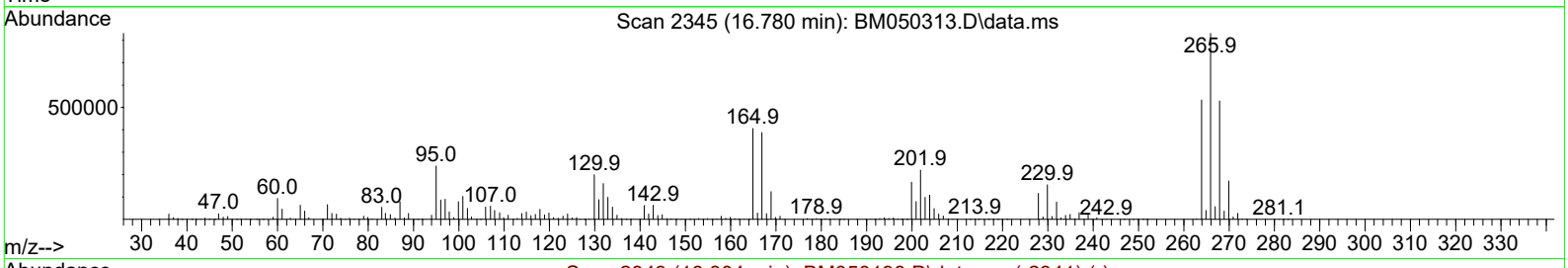
Sample Results: **BM050313.D**

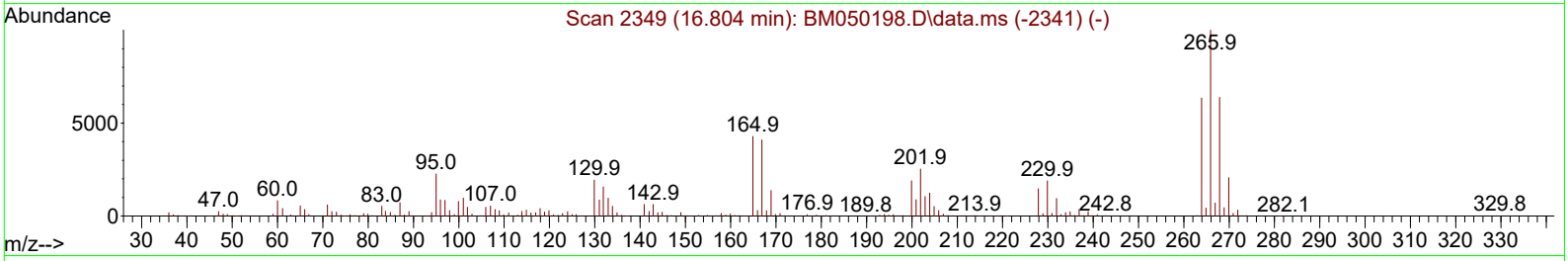
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050313.D
Acq On : 14 Jun 2025 00:22
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Quant Time: Jun 14 03:45:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration




TIC: BM050313.D\data.ms

**(70) Pentachlorophenol (C)**

**16.780min (-0.006) 595353.38 ng**

**response 1142952**

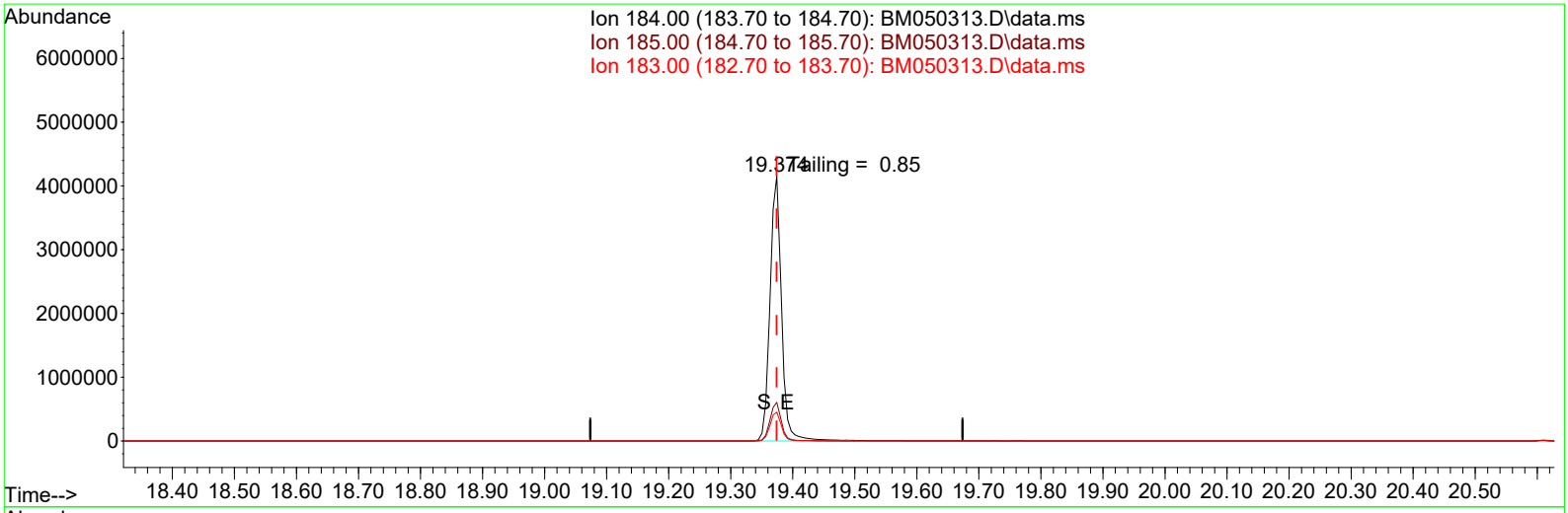
| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 268.00 | 63.80 | 63.70 |
| 264.00 | 63.50 | 64.17 |
| 0.00 | 0.00 | 0.00 |

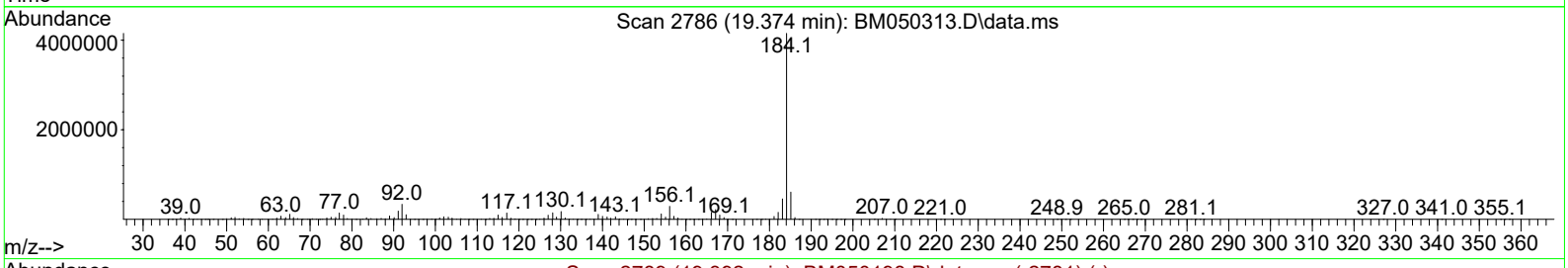
Sample Results: **BM050313.D**

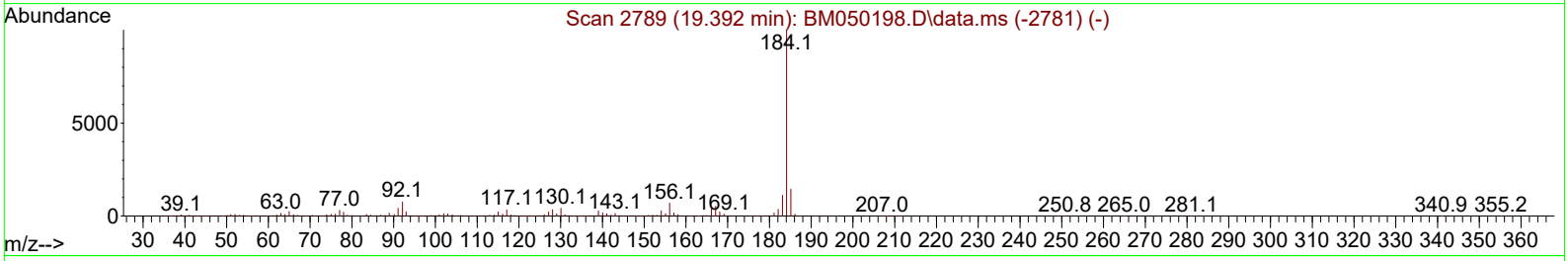
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050313.D
Acq On : 14 Jun 2025 00:22
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DFTPP

Quant Time: Jun 14 03:45:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration




TIC: BM050313.D\data.ms

**(77) Benzidine**

**19.374min ( 0.000) 119220.92 ng**

**response 5377552**

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100.00 | 100.00 |
| 185.00 | 14.40 | 14.63 |
| 183.00 | 11.20 | 10.95 |
| 0.00 | 0.00 | 0.00 |

Raw Data: **BM050315.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | ENTACT | Date Collected: | |
| Project: | 540 Degraw St, Brooklyn, NY - E9309 | Date Received: | |
| Client Sample ID: | PB168473BL | SDG No.: | Q2301 |
| Lab Sample ID: | PB168473BL | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 1000 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BM050315.D | 1 | 06/13/25 11:20 | 06/14/25 01:41 | PB168473 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 0.0013 | U | 0.0013 | 0.0050 | mg/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.00053 | U | 0.00053 | 0.0050 | mg/L |
| 95-48-7 | 2-Methylphenol | 0.0011 | U | 0.0011 | 0.0050 | mg/L |
| 65794-96-9 | 3+4-Methylphenols | 0.0011 | U | 0.0011 | 0.010 | mg/L |
| 67-72-1 | Hexachloroethane | 0.00065 | U | 0.00065 | 0.0050 | mg/L |
| 98-95-3 | Nitrobenzene | 0.00076 | U | 0.00076 | 0.0050 | mg/L |
| 87-68-3 | Hexachlorobutadiene | 0.00054 | U | 0.00054 | 0.0050 | mg/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 0.00051 | U | 0.00051 | 0.0050 | mg/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 0.00062 | U | 0.00062 | 0.0050 | mg/L |
| 121-14-2 | 2,4-Dinitrotoluene | 0.0012 | U | 0.0012 | 0.0050 | mg/L |
| 118-74-1 | Hexachlorobenzene | 0.00052 | U | 0.00052 | 0.0050 | mg/L |
| 87-86-5 | Pentachlorophenol | 0.0016 | U | 0.0016 | 0.010 | mg/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 155 | | 15 (23) - 110 (138) | 104% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 144 | | 15 (10) - 110 (134) | 96% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 94.6 | | 30 (67) - 130 (132) | 95% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 94.5 | | 30 (52) - 130 (132) | 95% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 152 | | 15 (44) - 110 (137) | 101% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 93.1 | | 30 (42) - 130 (152) | 93% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 409000 | 7.763 | | | |
| 1146-65-2 | Naphthalene-d8 | 1520000 | 10.545 | | | |
| 15067-26-2 | Acenaphthene-d10 | 824000 | 14.392 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1500000 | 17.127 | | | |
| 1719-03-5 | Chrysene-d12 | 1530000 | 21.356 | | | |
| 1520-96-3 | Perylene-d12 | 1620000 | 24.327 | | | |

Raw Data: **BM050315.D**

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

# Report of Analysis

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Client: | ENTACT | | | Date Collected: | | | |
| Project: | 540 Degraw St, Brooklyn, NY - E9309 | | | Date Received: | | | |
| Client Sample ID: | PB168473BL | | | SDG No.: | Q2301 | | |
| Lab Sample ID: | PB168473BL | | | Matrix: | TCLP | | |
| Analytical Method: | 8270E | | | % Solid: | 0 | | |
| Sample Wt/Vol: | 1000 | Units: | mL | Final Vol: | 1000 | | uL |
| Soil Aliquot Vol: | | | uL | Test: | TCLP BNA | | |
| 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 |
|---|---|---|---|---|
| BM050315.D | 1 | 06/13/25 11:20 | 06/14/25 01:41 | PB168473 |

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

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050315.D
Acq On : 14 Jun 2025 01:41
Operator : RC/JU
Sample : PB168473BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB168473BL

Quant Time: Jun 14 03:40:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

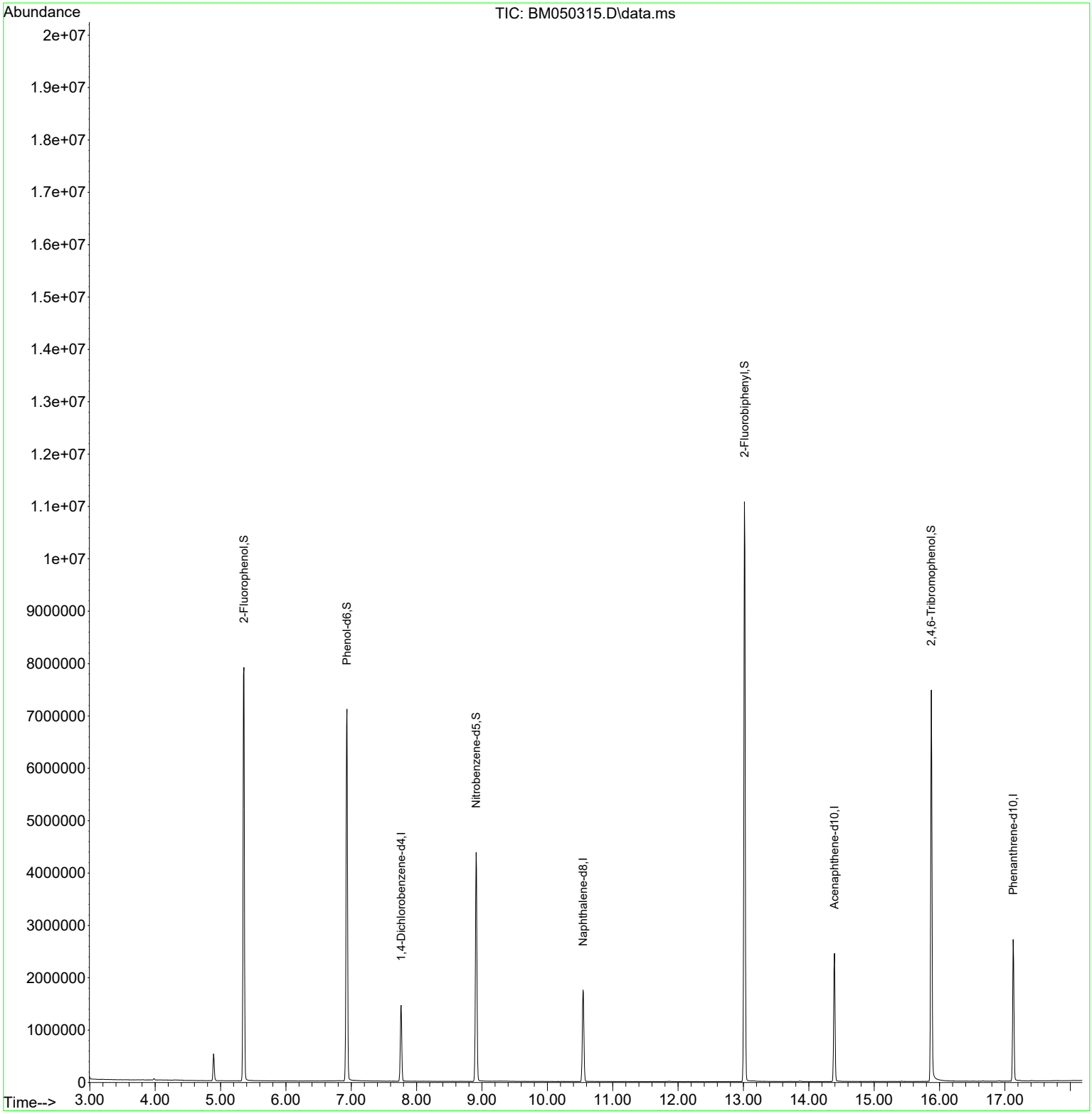
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.763 | 152 | 409459 | 20.000 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.545 | 136 | 1522099 | 20.000 | ng | -0.01 |
| 39) Acenaphthene-d10 | 14.392 | 164 | 824447 | 20.000 | ng | 0.00 |
| 64) Phenanthrene-d10 | 17.127 | 188 | 1500533 | 20.000 | ng | -0.01 |
| 76) Chrysene-d12 | 21.356 | 240 | 1532088 | 20.000 | ng | -0.02 |
| 86) Perylene-d12 | 24.327 | 264 | 1617127 | 20.000 | ng | -0.02 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.357 | 112 | 3816170 | 155.471 | ng | 0.00 |
| 7) Phenol-d6 | 6.934 | 99 | 4643865 | 143.718 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.910 | 82 | 2768627 | 94.600 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.874 | 330 | 1421572 | 151.594 | ng | 0.00 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 5755151 | 94.507 | ng | -0.01 |
| 79) Terphenyl-d14 | 19.756 | 244 | 7524715 | 93.072 | ng | -0.01 |
| Target Compounds | | | | | | Qvalue |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050315.D
Acq On : 14 Jun 2025 01:41
Operator : RC/JU
Sample : PB168473BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB168473BL

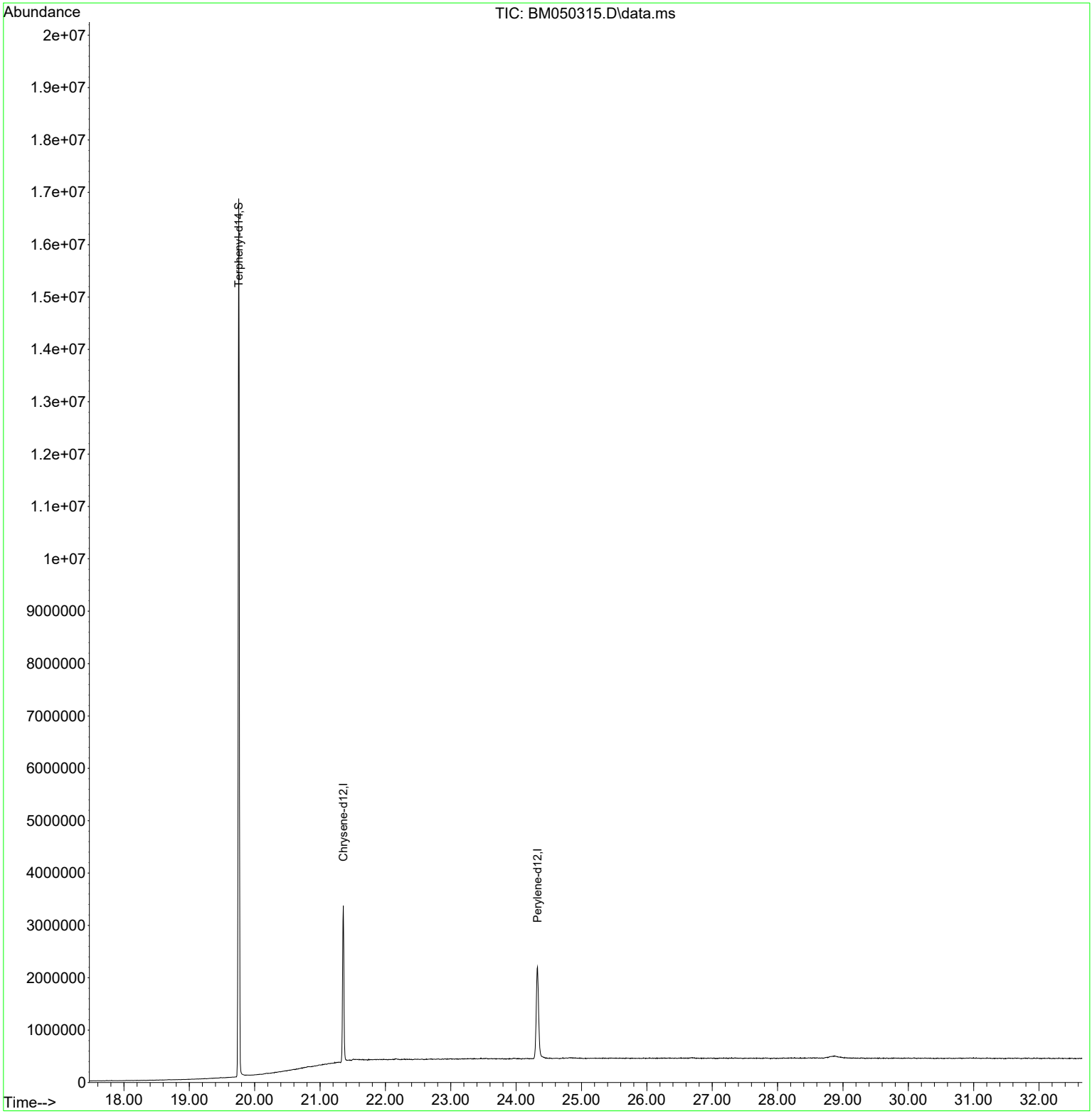
Quant Time: Jun 14 03:40:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

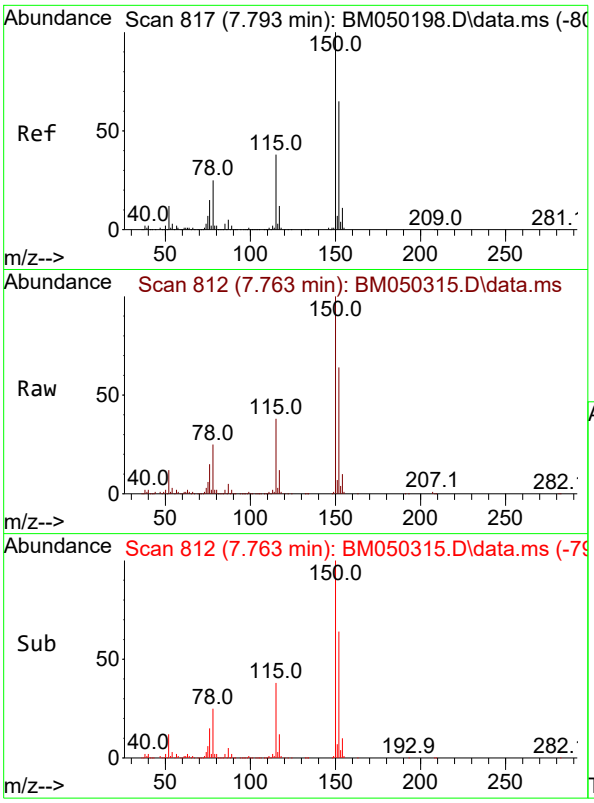


Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050315.D
Acq On : 14 Jun 2025 01:41
Operator : RC/JU
Sample : PB168473BL
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB168473BL

Quant Time: Jun 14 03:40:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration



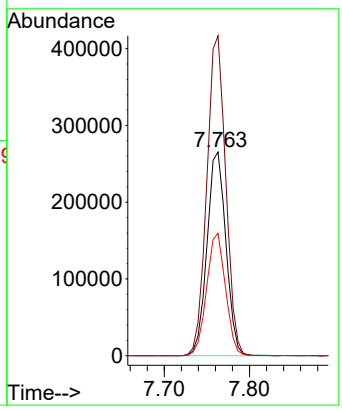


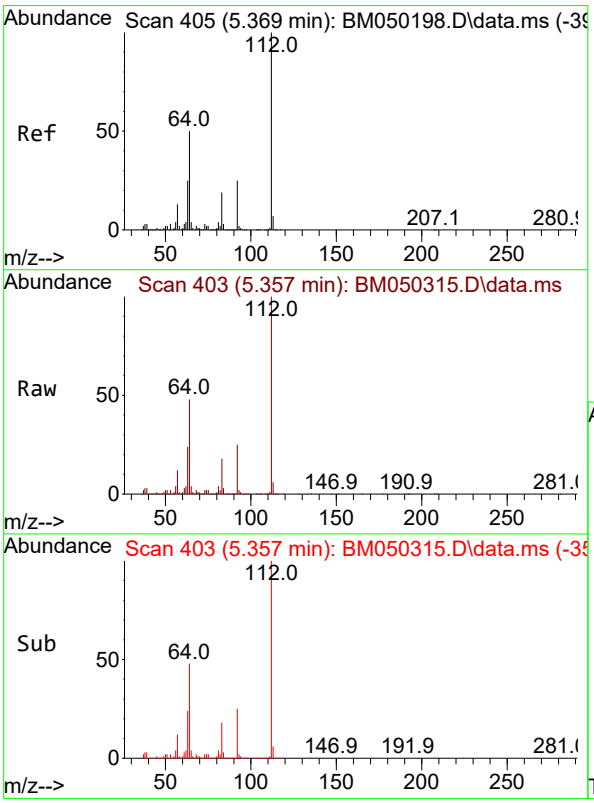

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.763 min Scan# 8
Delta R.T. -0.006 min
Lab File: BM050315.D
Acq: 14 Jun 2025 01:41

**Instrument :**
BNA_M
**ClientSampleId :**
PB168473BL

Tgt Ion:152 Resp: 409459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.1 | 122.2 | 183.4 |
| 115 | 60.1 | 46.3 | 69.5 |

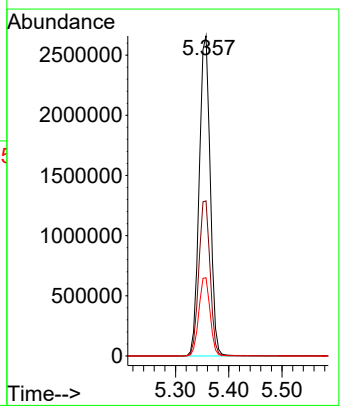


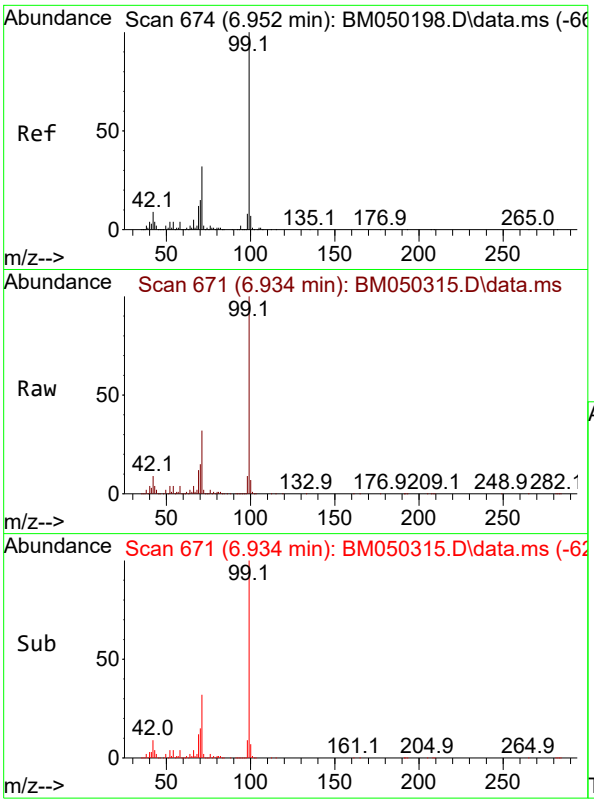




#5
2-Fluorophenol
Concen: 155.471 ng
RT: 5.357 min Scan# 403
Delta R.T. 0.000 min
Lab File: BM050315.D
Acq: 14 Jun 2025 01:41

Tgt Ion:112 Resp: 3816170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 48.5 | 39.8 | 59.6 |
| 63 | 24.5 | 19.8 | 29.8 |



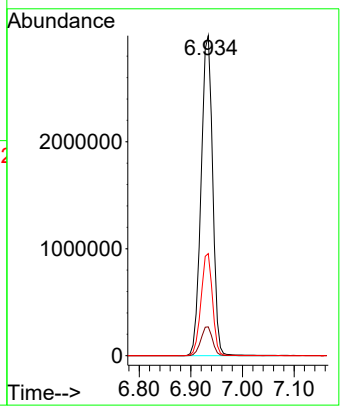


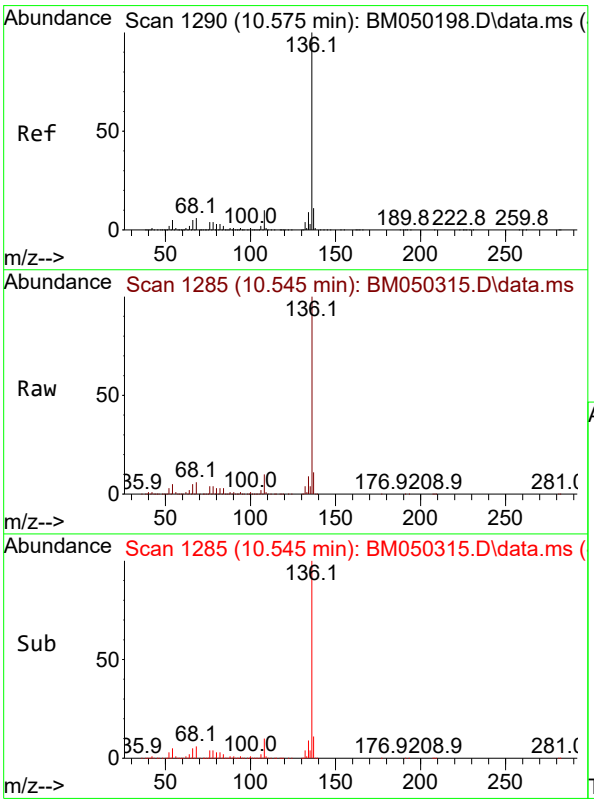

#7
Phenol-d6
Concen: 143.718 ng
RT: 6.934 min Scan# 6
Delta R.T. 0.000 min
Lab File: BM050315.D
Acq: 14 Jun 2025 01:41

**Instrument :**
BNA_M
**ClientSampleId :**
PB168473BL

Tgt Ion: 99 Resp: 4643865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 9.0 | 6.9 | 10.3 |
| 71 | 31.9 | 25.3 | 37.9 |

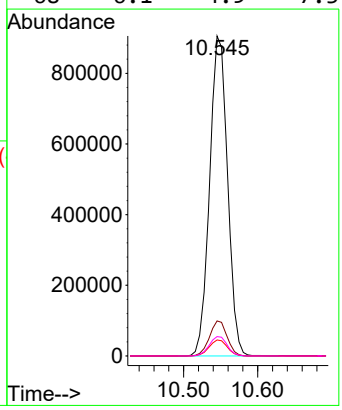


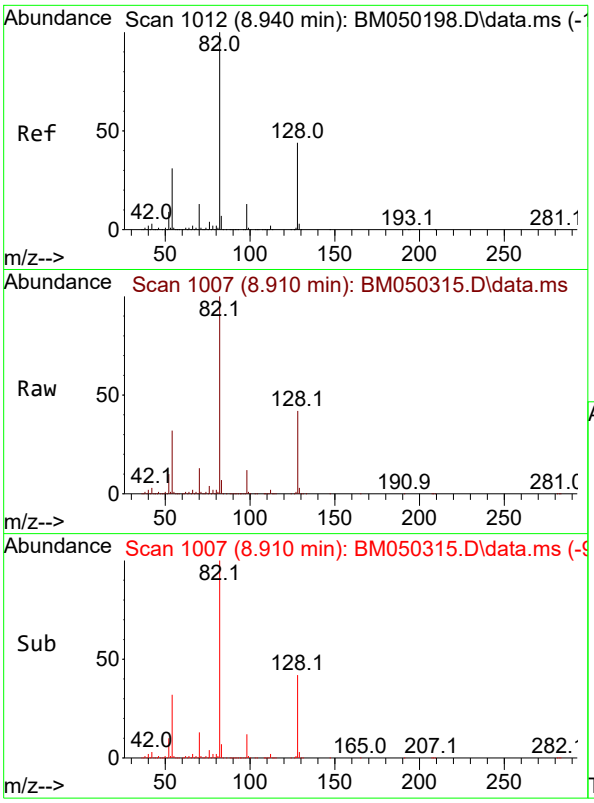




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.545 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BM050315.D
Acq: 14 Jun 2025 01:41

Tgt Ion:136 Resp: 1522099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.6 | 13.0 |
| 54 | 5.0 | 3.8 | 5.8 |
| 68 | 6.1 | 4.9 | 7.3 |



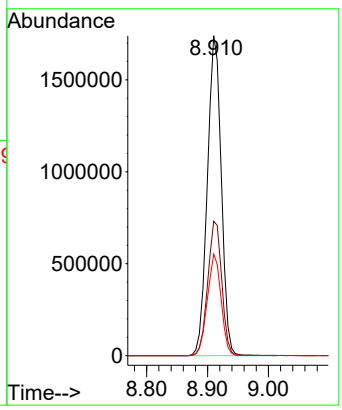


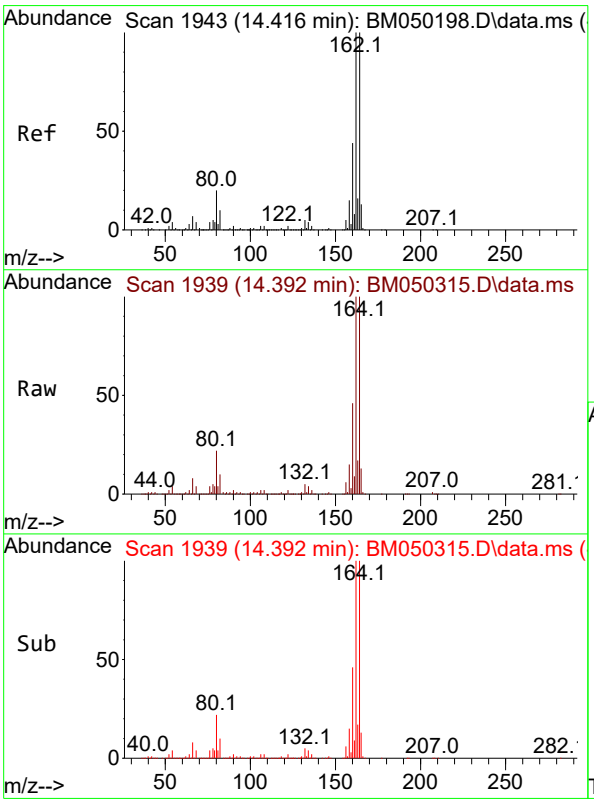

#23
Nitrobenzene-d5
Concen: 94.600 ng
RT: 8.910 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BM050315.D
Acq: 14 Jun 2025 01:41

**Instrument :**
BNA_M
**ClientSampleId :**
PB168473BL

Tgt Ion: 82 Resp: 2768627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.0 | 35.2 | 52.8 |
| 54 | 31.7 | 24.5 | 36.7 |

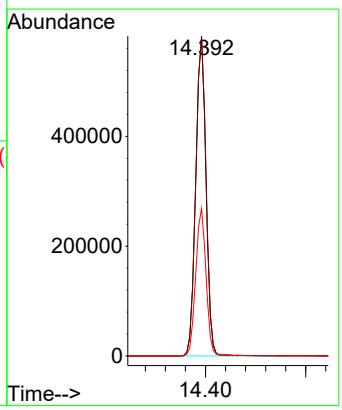


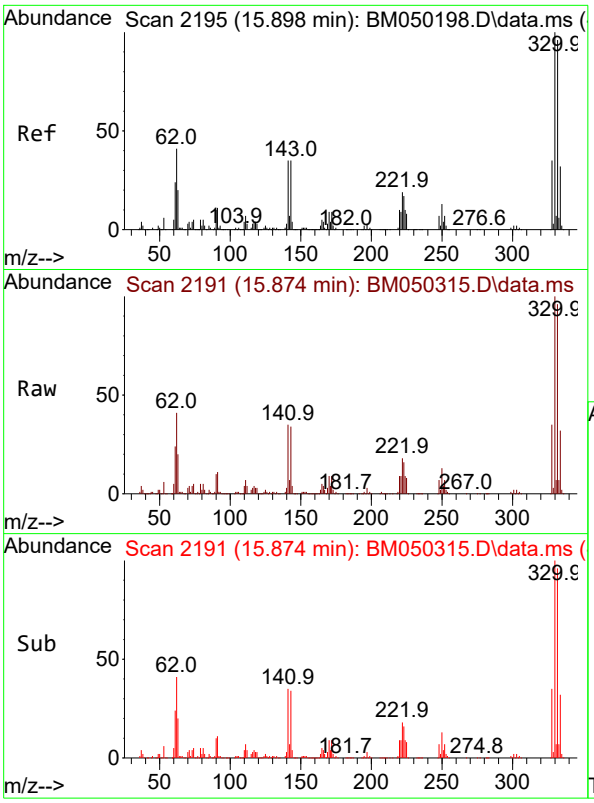




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM050315.D
Acq: 14 Jun 2025 01:41

Tgt Ion:164 Resp: 824447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.4 | 80.2 | 120.4 |
| 160 | 46.3 | 35.7 | 53.5 |



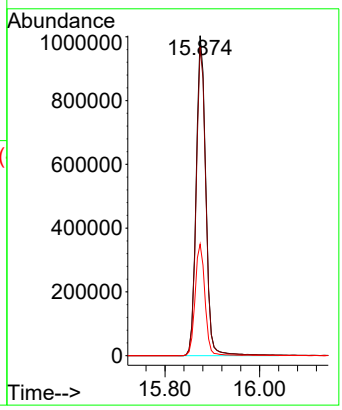


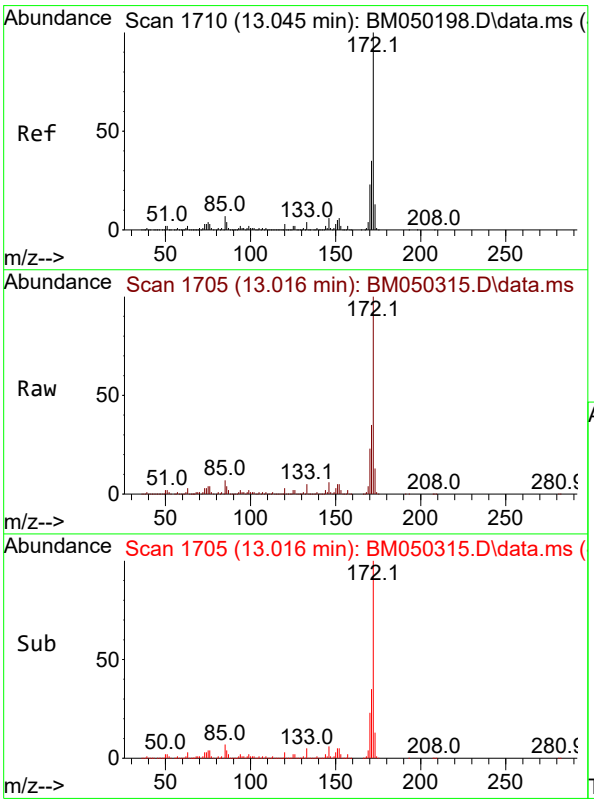

#42
2,4,6-Tribromophenol
Concen: 151.594 ng
RT: 15.874 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM050315.D
Acq: 14 Jun 2025 01:41

**Instrument :**
BNA_M
**ClientSampleId :**
PB168473BL

Tgt Ion:330 Resp: 1421572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.7 | 77.5 | 116.3 |
| 141 | 35.5 | 28.8 | 43.2 |

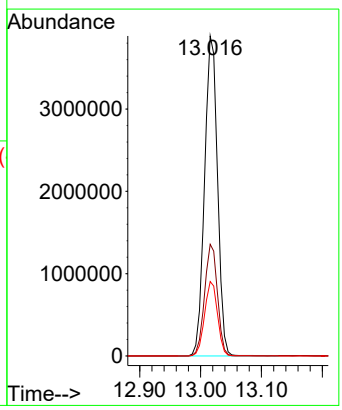


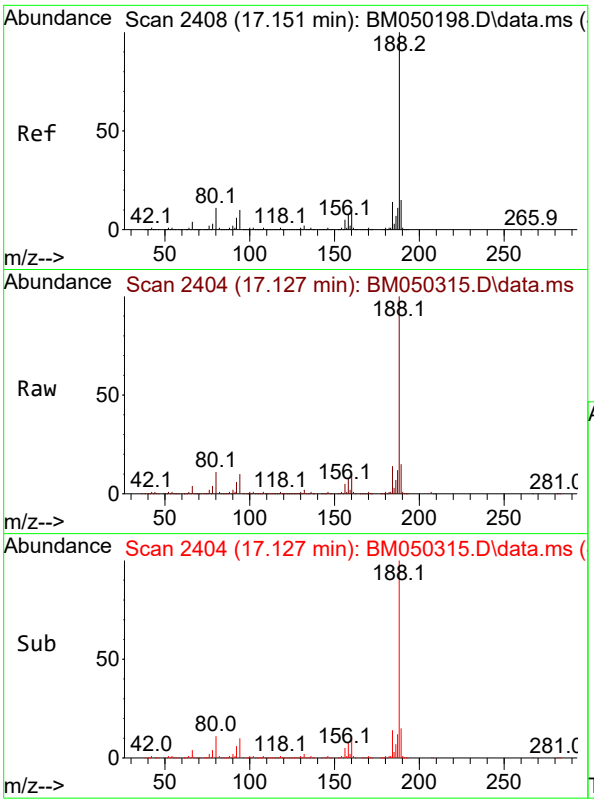




#45
2-Fluorobiphenyl
Concen: 94.507 ng
RT: 13.016 min Scan# 1705
Delta R.T. -0.012 min
Lab File: BM050315.D
Acq: 14 Jun 2025 01:41

Tgt Ion:172 Resp: 5755151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 27.8 | 41.6 |
| 170 | 23.3 | 18.6 | 27.8 |



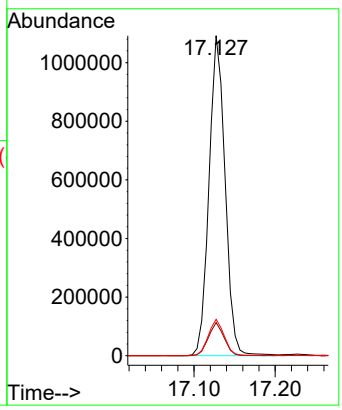


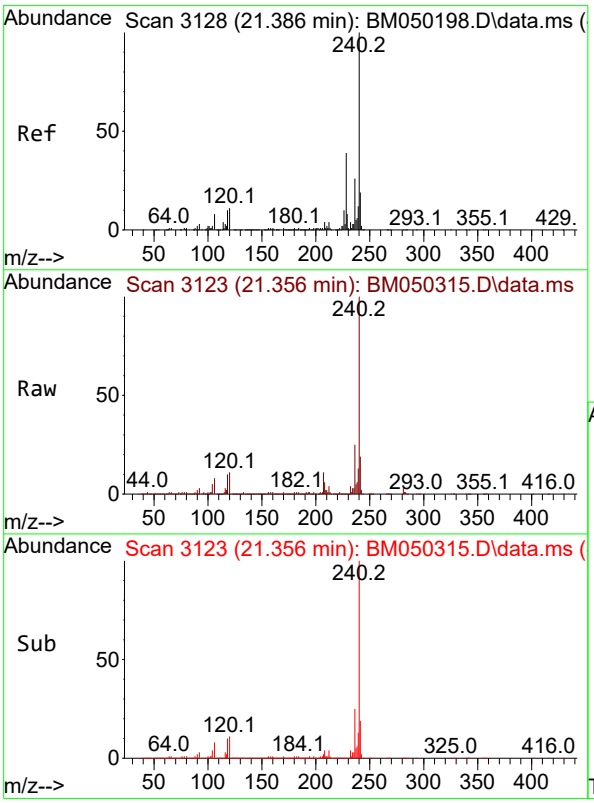

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.127 min Scan# 24
Delta R.T. -0.012 min
Lab File: BM050315.D
Acq: 14 Jun 2025 01:41

**Instrument :**
BNA_M
**ClientSampleId :**
PB168473BL

Tgt Ion:188 Resp: 1500533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 8.1 | 12.1 |
| 80 | 11.3 | 8.6 | 13.0 |

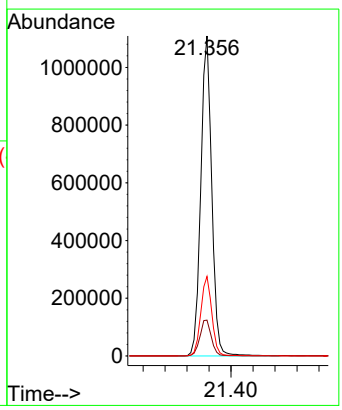


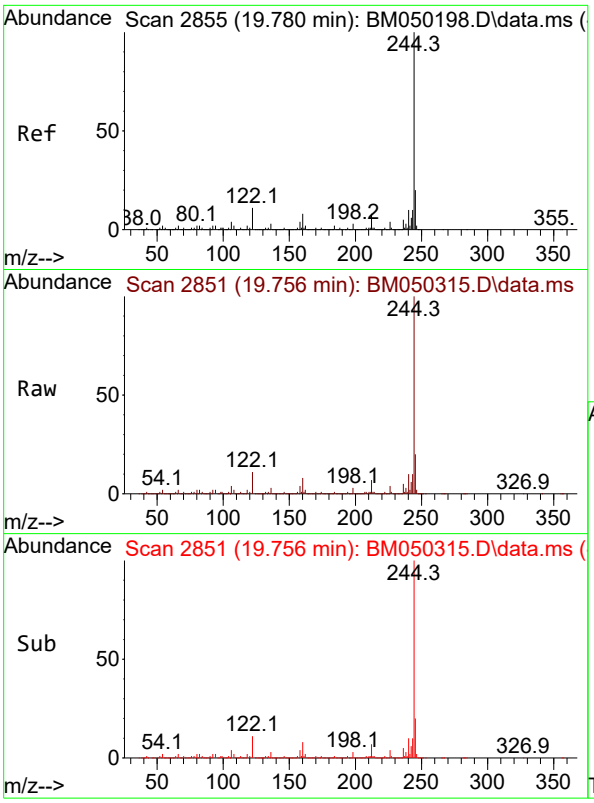




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.356 min Scan# 3123
Delta R.T. -0.018 min
Lab File: BM050315.D
Acq: 14 Jun 2025 01:41

Tgt Ion:240 Resp: 1532088

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.2 | 9.0 | 13.4 |
| 236 | 24.9 | 20.7 | 31.1 |



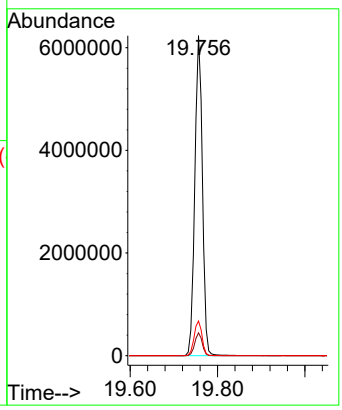


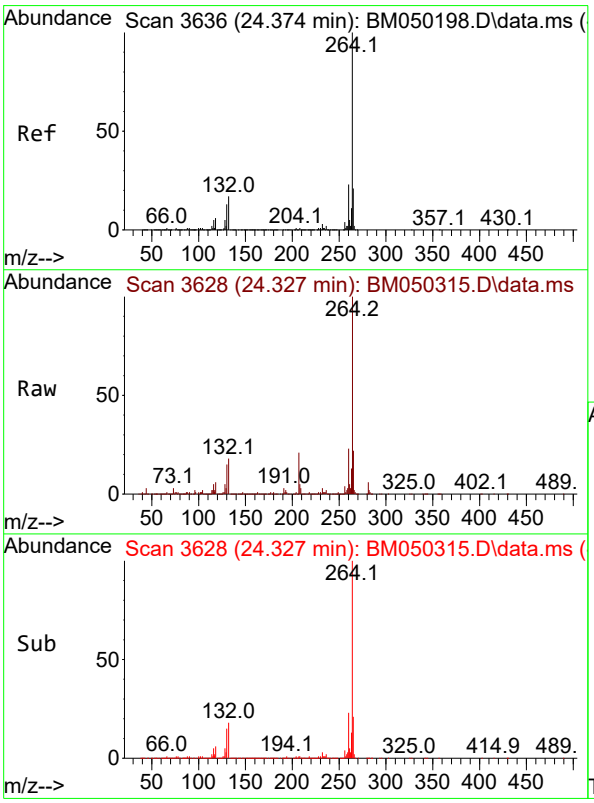

#79
Terphenyl-d14
Concen: 93.072 ng
RT: 19.756 min Scan# 2
Delta R.T. -0.012 min
Lab File: BM050315.D
Acq: 14 Jun 2025 01:41

**Instrument :**
BNA_M
**ClientSampleId :**
PB168473BL

Tgt Ion:244 Resp: 7524715

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.2 | 6.0 | 9.0 |
| 122 | 10.9 | 8.6 | 12.8 |

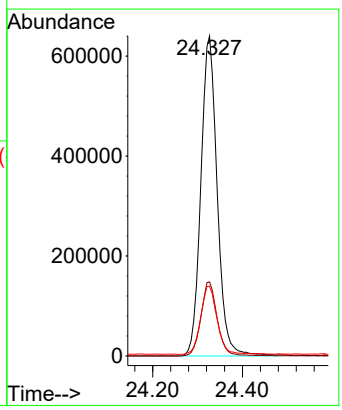



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.327 min Scan# 3628
Delta R.T. -0.018 min
Lab File: BM050315.D
Acq: 14 Jun 2025 01:41

Tgt Ion:264 Resp: 1617127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.2 | 18.6 | 28.0 |
| 265 | 21.8 | 16.8 | 25.2 |



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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | ENTACT | | | Date Collected: | |
| Project: | 540 Degraw St, Brooklyn, NY - E9309 | | | Date Received: | |
| Client Sample ID: | PB168473BS | | | SDG No.: | Q2301 |
| Lab Sample ID: | PB168473BS | | | Matrix: | TCLP |
| Analytical Method: | 8270E | | | % Solid: | 0 |
| Sample Wt/Vol: | 1000 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BM050316.D | 1 | 06/13/25 11:20 | 06/14/25 02:21 | PB168473 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 0.043 | | 0.0013 | 0.0050 | mg/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.046 | | 0.00053 | 0.0050 | mg/L |
| 95-48-7 | 2-Methylphenol | 0.046 | | 0.0011 | 0.0050 | mg/L |
| 65794-96-9 | 3+4-Methylphenols | 0.045 | | 0.0011 | 0.010 | mg/L |
| 67-72-1 | Hexachloroethane | 0.049 | | 0.00065 | 0.0050 | mg/L |
| 98-95-3 | Nitrobenzene | 0.051 | | 0.00076 | 0.0050 | mg/L |
| 87-68-3 | Hexachlorobutadiene | 0.047 | | 0.00054 | 0.0050 | mg/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 0.049 | | 0.00051 | 0.0050 | mg/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 0.049 | | 0.00062 | 0.0050 | mg/L |
| 121-14-2 | 2,4-Dinitrotoluene | 0.052 | | 0.0012 | 0.0050 | mg/L |
| 118-74-1 | Hexachlorobenzene | 0.051 | | 0.00052 | 0.0050 | mg/L |
| 87-86-5 | Pentachlorophenol | 0.11 | E | 0.0016 | 0.010 | mg/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 140 | | 15 (23) - 110 (138) | 93% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 131 | | 15 (10) - 110 (134) | 87% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 86.7 | | 30 (67) - 130 (132) | 87% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 83.2 | | 30 (52) - 130 (132) | 83% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 140 | | 15 (44) - 110 (137) | 93% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 87.3 | | 30 (42) - 130 (152) | 87% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 445000 | 7.763 | | | |
| 1146-65-2 | Naphthalene-d8 | 1720000 | 10.546 | | | |
| 15067-26-2 | Acenaphthene-d10 | 941000 | 14.392 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1650000 | 17.127 | | | |
| 1719-03-5 | Chrysene-d12 | 1610000 | 21.357 | | | |
| 1520-96-3 | Perylene-d12 | 1690000 | 24.327 | | | |

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

# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | ENTACT | | | Date Collected: | |
| Project: | 540 Degraw St, Brooklyn, NY - E9309 | | | Date Received: | |
| Client Sample ID: | PB168473BS | | | SDG No.: | Q2301 |
| Lab Sample ID: | PB168473BS | | | Matrix: | TCLP |
| Analytical Method: | 8270E | | | % Solid: | 0 |
| Sample Wt/Vol: | 1000 | Units: | mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | | | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BM050316.D | 1 | 06/13/25 11:20 | 06/14/25 02:21 | PB168473 |

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

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050316.D
Acq On : 14 Jun 2025 02:21
Operator : RC/JU
Sample : PB168473BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB168473BS

Quant Time: Jun 14 03:41:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.763 | 152 | 445397 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.546 | 136 | 1717062 | 20.000 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 14.392 | 164 | 940759 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.127 | 188 | 1652102 | 20.000 | ng | | -0.01 |
| 76) Chrysene-d12 | 21.357 | 240 | 1607876 | 20.000 | ng | | -0.02 |
| 86) Perylene-d12 | 24.327 | 264 | 1691583 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.358 | 112 | 3730689 | 139.725 | ng | | 0.00 |
| 7) Phenol-d6 | 6.934 | 99 | 4595024 | 130.733 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.916 | 82 | 2863629 | 86.737 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.875 | 330 | 1498183 | 140.011 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 5783402 | 83.229 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.757 | 244 | 7403178 | 87.253 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.275 | 88 | 463891 | 39.636 | ng | | 94 |
| 3) Pyridine | 3.670 | 79 | 1286886 | 42.459 | ng | | 97 |
| 4) n-Nitrosodimethylamine | 3.575 | 42 | 302803 | 48.314 | ng | | 95 |
| 6) Aniline | 7.093 | 93 | 1531555 | 32.961 | ng | | 98 |
| 8) 2-Chlorophenol | 7.328 | 128 | 1420735 | 48.375 | ng | | 97 |
| 9) Benzaldehyde | 6.899 | 77 | 681004 | 30.474 | ng | | 97 |
| 10) Phenol | 6.958 | 94 | 1765313 | 47.468 | ng | | 98 |
| 11) bis(2-Chloroethyl)ether | 7.187 | 93 | 1435662 | 47.995 | ng | | 96 |
| 12) 1,3-Dichlorobenzene | 7.652 | 146 | 1515456 | 46.157 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.799 | 146 | 1554381 | 45.502 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.110 | 146 | 1493087 | 45.848 | ng | | 99 |
| 15) Benzyl Alcohol | 7.999 | 79 | 1142592 | 45.578 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.287 | 45 | 1097770 | 52.829 | ng | | 93 |
| 17) 2-Methylphenol | 8.205 | 107 | 1131230 | 46.101 | ng | | 100 |
| 18) Hexachloroethane | 8.840 | 117 | 600081 | 48.506 | ng | | 95 |
| 19) n-Nitroso-di-n-propyla... | 8.569 | 70 | 992868 | 46.161 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.528 | 107 | 1488301 | 45.335 | ng | | 98 |
| 22) Acetophenone | 8.581 | 105 | 2041495 | 47.590 | ng | # | 98 |
| 24) Nitrobenzene | 8.952 | 77 | 1520042 | 50.623 | ng | | 97 |
| 25) Isophorone | 9.487 | 82 | 2670938 | 46.872 | ng | | 99 |
| 26) 2-Nitrophenol | 9.663 | 139 | 631539 | 48.725 | ng | | 96 |
| 27) 2,4-Dimethylphenol | 9.728 | 122 | 1230997 | 46.224 | ng | | 99 |
| 28) bis(2-Chloroethoxy)met... | 9.963 | 93 | 1811939 | 48.673 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.198 | 162 | 1156951 | 46.946 | ng | | 98 |
| 30) 1,2,4-Trichlorobenzene | 10.416 | 180 | 1302699 | 47.502 | ng | | 99 |
| 31) Naphthalene | 10.598 | 128 | 4106370 | 46.255 | ng | | 99 |
| 32) Benzoic acid | 9.857 | 122 | 726205 | 43.390 | ng | | 95 |
| 33) 4-Chloroaniline | 10.704 | 127 | 577544 | 15.259 | ng | | 98 |
| 34) Hexachlorobutadiene | 10.893 | 225 | 771809 | 47.314 | ng | | 100 |
| 35) Caprolactam | 11.481 | 113 | 328647 | 42.063 | ng | | 86 |
| 36) 4-Chloro-3-methylphenol | 11.828 | 107 | 1182497 | 44.967 | ng | | 97 |
| 37) 2-Methylnaphthalene | 12.210 | 142 | 2474814 | 46.210 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.434 | 142 | 2561363 | 45.060 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.581 | 216 | 1346375 | 49.562 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.569 | 237 | 1791685 | 108.603 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.822 | 196 | 880254 | 49.274 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050316.D
Acq On : 14 Jun 2025 02:21
Operator : RC/JU
Sample : PB168473BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB168473BS

Quant Time: Jun 14 03:41:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

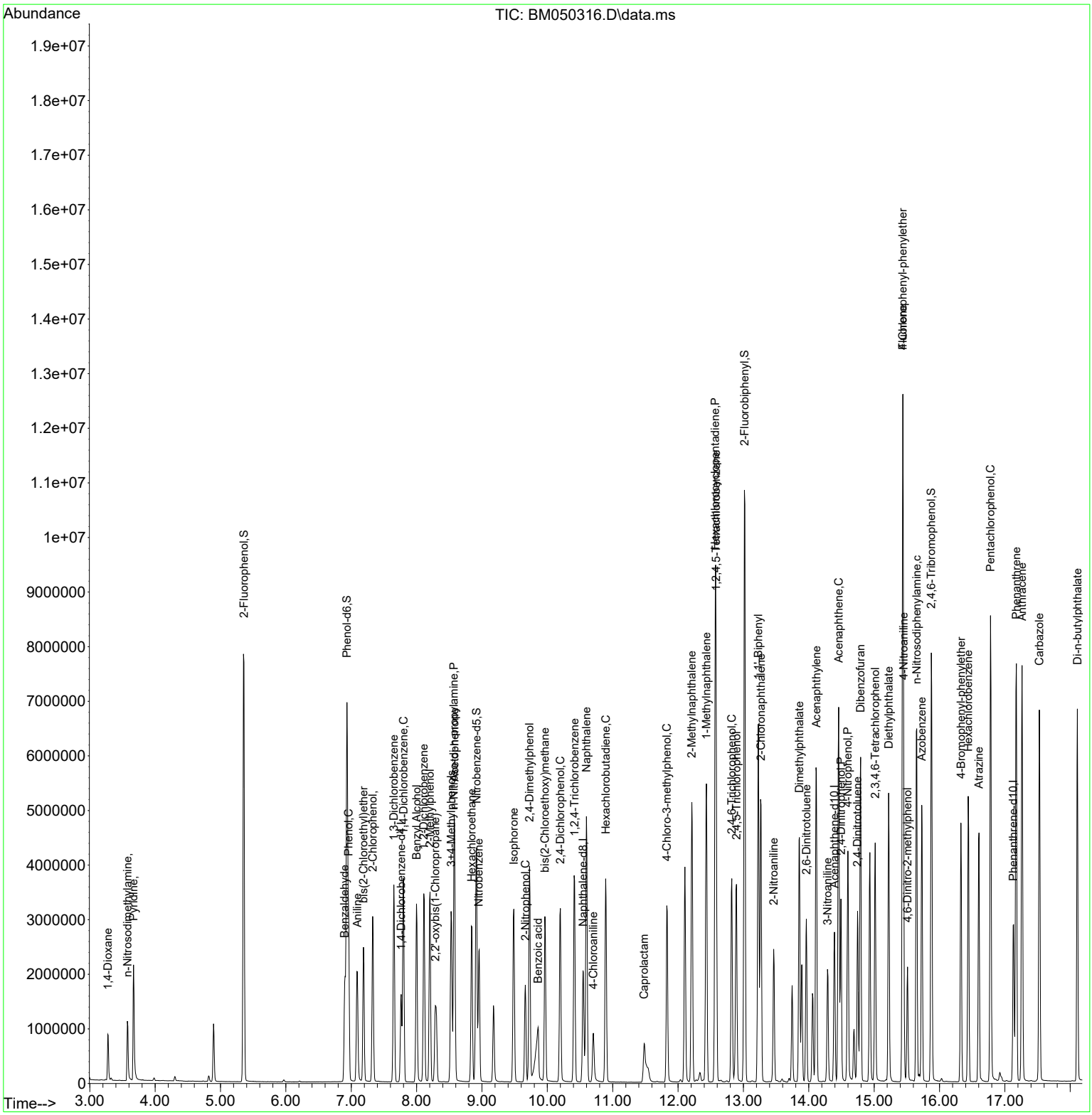
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.892 | 196 | 953937 | 48.635 | ng | 98 |
| 46) 1,1'-Biphenyl | 13.228 | 154 | 3382388 | 48.016 | ng | 99 |
| 47) 2-Chloronaphthalene | 13.269 | 162 | 2619748 | 47.836 | ng | 99 |
| 48) 2-Nitroaniline | 13.463 | 65 | 649364 | 53.881 | ng | 91 |
| 49) Acenaphthylene | 14.116 | 152 | 4190093 | 47.303 | ng | 99 |
| 50) Dimethylphthalate | 13.857 | 163 | 2988324 | 46.969 | ng | 99 |
| 51) 2,6-Dinitrotoluene | 13.963 | 165 | 636528 | 49.610 | ng | 94 |
| 52) Acenaphthene | 14.457 | 154 | 2459465 | 44.391 | ng | 98 |
| 53) 3-Nitroaniline | 14.286 | 138 | 556925 | 38.946 | ng | 98 |
| 54) 2,4-Dinitrophenol | 14.492 | 184 | 708024 | 96.545 | ng | 96 |
| 55) Dibenzofuran | 14.792 | 168 | 3798541 | 46.863 | ng | 100 |
| 56) 4-Nitrophenol | 14.598 | 139 | 1262131 | 103.699 | ng | 97 |
| 57) 2,4-Dinitrotoluene | 14.745 | 165 | 880594 | 52.028 | ng | 93 |
| 58) Fluorene | 15.439 | 166 | 2959618 | 47.672 | ng | 99 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.016 | 232 | 828769m | 48.838 | ng | |
| 60) Diethylphthalate | 15.222 | 149 | 3019772 | 47.836 | ng | 100 |
| 61) 4-Chlorophenyl-phenyle... | 15.439 | 204 | 1433854 | 47.788 | ng | 97 |
| 62) 4-Nitroaniline | 15.451 | 138 | 682879 | 50.951 | ng | 97 |
| 63) Azobenzene | 15.728 | 77 | 3122251 | 49.484 | ng | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.510 | 198 | 448869 | 49.744 | ng | 98 |
| 66) n-Nitrosodiphenylamine | 15.651 | 169 | 2592834 | 49.948 | ng | 99 |
| 67) 4-Bromophenyl-phenylether | 16.328 | 248 | 899987 | 51.084 | ng | 99 |
| 68) Hexachlorobenzene | 16.439 | 284 | 1044940 | 50.765 | ng | 99 |
| 69) Atrazine | 16.604 | 200 | 861323 | 52.075 | ng | 99 |
| 70) Pentachlorophenol | 16.780 | 266 | 1422201 | 106.272 | ng | 100 |
| 71) Phenanthrene | 17.175 | 178 | 4625253 | 49.007 | ng | 99 |
| 72) Anthracene | 17.263 | 178 | 4675879 | 49.524 | ng | 100 |
| 73) Carbazole | 17.527 | 167 | 4265267 | 49.587 | ng | 100 |
| 74) Di-n-butylphthalate | 18.110 | 149 | 4918175 | 52.550 | ng | 100 |
| 75) Fluoranthene | 19.186 | 202 | 4951978 | 49.754 | ng | 99 |
| 77) Benzidine | 19.369 | 184 | 2422584 | 53.579 | ng | 100 |
| 78) Pyrene | 19.545 | 202 | 5246503 | 48.412 | ng | 100 |
| 80) Butylbenzylphthalate | 20.457 | 149 | 1963549 | 54.318 | ng | 99 |
| 81) Benzo(a)anthracene | 21.339 | 228 | 5013077 | 49.258 | ng | 99 |
| 82) 3,3'-Dichlorobenzidine | 21.262 | 252 | 1226204 | 39.510 | ng | 99 |
| 83) Chrysene | 21.404 | 228 | 4775717 | 49.332 | ng | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.280 | 149 | 3016442 | 54.173 | ng | 99 |
| 85) Di-n-octyl phthalate | 22.409 | 149 | 4678839 | 56.627 | ng | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 27.680 | 276 | 6314023 | 57.971 | ng | 100 |
| 88) Benzo(b)fluoranthene | 23.392 | 252 | 4903475 | 49.858 | ng | 99 |
| 89) Benzo(k)fluoranthene | 23.456 | 252 | 5099756 | 50.794 | ng | 100 |
| 90) Benzo(a)pyrene | 24.192 | 252 | 4843305 | 52.377 | ng | 99 |
| 91) Dibenzo(a,h)anthracene | 27.739 | 278 | 5154521 | 58.303 | ng | 99 |
| 92) Benzo(g,h,i)perylene | 28.721 | 276 | 5218399 | 58.974 | ng | 99 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050316.D
Acq On : 14 Jun 2025 02:21
Operator : RC/JU
Sample : PB168473BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB168473BS

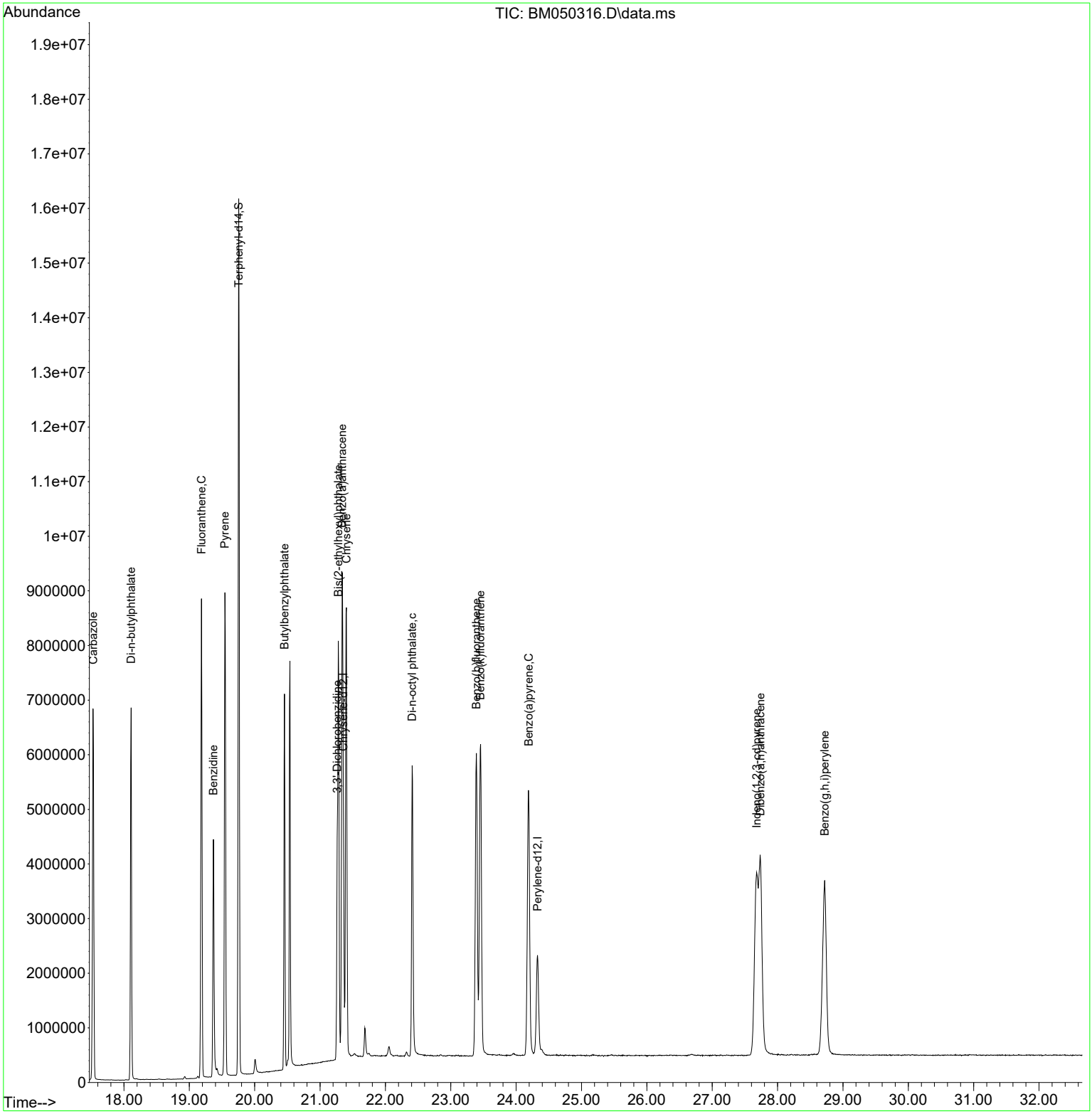
Quant Time: Jun 14 03:41:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050316.D
Acq On : 14 Jun 2025 02:21
Operator : RC/JU
Sample : PB168473BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB168473BS

Quant Time: Jun 14 03:41:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration



Raw Data: **BM050303.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | ENTACT | Date Collected: | 06/11/25 |
| Project: | 540 Degraw St, Brooklyn, NY - E9309 | Date Received: | 06/11/25 |
| Client Sample ID: | CONCRETE-SLABMS | SDG No.: | Q2301 |
| Lab Sample ID: | Q2287-02MS | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BM050303.D | 1 | 06/13/25 11:20 | 06/13/25 17:10 | PB168473 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 0.32 | | 0.013 | 0.050 | mg/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.42 | | 0.0053 | 0.050 | mg/L |
| 95-48-7 | 2-Methylphenol | 0.45 | | 0.011 | 0.050 | mg/L |
| 65794-96-9 | 3+4-Methylphenols | 0.45 | | 0.011 | 0.10 | mg/L |
| 67-72-1 | Hexachloroethane | 0.44 | | 0.0065 | 0.050 | mg/L |
| 98-95-3 | Nitrobenzene | 0.50 | | 0.0076 | 0.050 | mg/L |
| 87-68-3 | Hexachlorobutadiene | 0.45 | | 0.0054 | 0.050 | mg/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 0.50 | | 0.0051 | 0.050 | mg/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 0.50 | | 0.0062 | 0.050 | mg/L |
| 121-14-2 | 2,4-Dinitrotoluene | 0.55 | | 0.012 | 0.050 | mg/L |
| 118-74-1 | Hexachlorobenzene | 0.50 | | 0.0052 | 0.050 | mg/L |
| 87-86-5 | Pentachlorophenol | 1.10 | E | 0.016 | 0.10 | mg/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 133 | | 15 (23) - 110 (138) | 89% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 119 | | 15 (10) - 110 (134) | 79% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 87.6 | | 30 (67) - 130 (132) | 88% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 82.5 | | 30 (52) - 130 (132) | 82% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 143 | | 15 (44) - 110 (137) | 95% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 83.5 | | 30 (42) - 130 (152) | 84% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 429000 | 7.763 | | | |
| 1146-65-2 | Naphthalene-d8 | 1670000 | 10.551 | | | |
| 15067-26-2 | Acenaphthene-d10 | 946000 | 14.392 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1740000 | 17.133 | | | |
| 1719-03-5 | Chrysene-d12 | 1820000 | 21.362 | | | |
| 1520-96-3 | Perylene-d12 | 1990000 | 24.333 | | | |

Raw Data: **BM050303.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | ENTACT | Date Collected: | 06/11/25 |
| Project: | 540 Degraw St, Brooklyn, NY - E9309 | Date Received: | 06/11/25 |
| Client Sample ID: | CONCRETE-SLABMS | SDG No.: | Q2301 |
| Lab Sample ID: | Q2287-02MS | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BM050303.D | 1 | 06/13/25 11:20 | 06/13/25 17:10 | PB168473 |

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

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050303.D
Acq On : 13 Jun 2025 17:10
Operator : RC/JU
Sample : Q2287-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
CONCRETE-SLABMS

Quant Time: Jun 13 18:05:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.763 | 152 | 429386 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.551 | 136 | 1666085 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.392 | 164 | 945863 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.133 | 188 | 1739025 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.362 | 240 | 1815987 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 24.333 | 264 | 1991778 | 20.000 | ng | | -0.01 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.357 | 112 | 3424604 | 133.044 | ng | | 0.00 |
| 7) Phenol-d6 | 6.934 | 99 | 4021072 | 118.669 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.916 | 82 | 2805354 | 87.571 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.880 | 330 | 1533486 | 142.537 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.022 | 172 | 5762613 | 82.483 | ng | | 0.00 |
| 79) Terphenyl-d14 | 19.756 | 244 | 8002541 | 83.508 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.293 | 88 | 450910 | 39.964 | ng | | 93 |
| 3) Pyridine | 3.681 | 79 | 921923 | 31.552 | ng | | 96 |
| 4) n-Nitrosodimethylamine | 3.581 | 42 | 281665 | 46.617 | ng | # | 97 |
| 6) Aniline | 7.093 | 93 | 876997 | 19.578 | ng | | 97 |
| 8) 2-Chlorophenol | 7.328 | 128 | 1327007 | 46.869 | ng | | 97 |
| 9) Benzaldehyde | 6.904 | 77 | 566403 | 26.291 | ng | | 99 |
| 10) Phenol | 6.957 | 94 | 1510734 | 42.138 | ng | | 99 |
| 11) bis(2-Chloroethyl)ether | 7.187 | 93 | 1364724 | 47.325 | ng | | 97 |
| 12) 1,3-Dichlorobenzene | 7.651 | 146 | 1357978 | 42.903 | ng | | 99 |
| 13) 1,4-Dichlorobenzene | 7.798 | 146 | 1393808 | 42.322 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.116 | 146 | 1349381 | 42.981 | ng | | 100 |
| 15) Benzyl Alcohol | 7.998 | 79 | 1120750 | 46.374 | ng | | 98 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.287 | 45 | 1022773 | 51.056 | ng | | 94 |
| 17) 2-Methylphenol | 8.204 | 107 | 1063527 | 44.958 | ng | | 99 |
| 18) Hexachloroethane | 8.845 | 117 | 527895 | 44.263 | ng | | 98 |
| 19) n-Nitroso-di-n-propyla... | 8.569 | 70 | 956750 | 46.140 | ng | | 99 |
| 20) 3+4-Methylphenols | 8.528 | 107 | 1408635 | 44.508 | ng | | 100 |
| 22) Acetophenone | 8.581 | 105 | 1938144 | 46.563 | ng | # | 99 |
| 24) Nitrobenzene | 8.957 | 77 | 1466841 | 50.346 | ng | | 98 |
| 25) Isophorone | 9.487 | 82 | 2644264 | 47.824 | ng | | 100 |
| 26) 2-Nitrophenol | 9.663 | 139 | 636922 | 50.644 | ng | | 98 |
| 27) 2,4-Dimethylphenol | 9.728 | 122 | 1159360 | 44.866 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.963 | 93 | 1771581 | 49.045 | ng | | 99 |
| 29) 2,4-Dichlorophenol | 10.198 | 162 | 1162599 | 48.618 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.416 | 180 | 1227926 | 46.145 | ng | | 99 |
| 31) Naphthalene | 10.598 | 128 | 3921427 | 45.524 | ng | | 100 |
| 32) Benzoic acid | 9.892 | 122 | 1426381 | 87.833 | ng | | 99 |
| 33) 4-Chloroaniline | 10.710 | 127 | 301740 | 8.216 | ng | | 99 |
| 34) Hexachlorobutadiene | 10.892 | 225 | 719012 | 45.426 | ng | | 99 |
| 35) Caprolactam | 11.486 | 113 | 304301 | 40.139 | ng | | 88 |
| 36) 4-Chloro-3-methylphenol | 11.833 | 107 | 1214700 | 47.605 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.210 | 142 | 2448763 | 47.122 | ng | | 98 |
| 38) 1-Methylnaphthalene | 12.433 | 142 | 2553477 | 46.296 | ng | | 99 |
| 40) 1,2,4,5-Tetrachloroben... | 12.580 | 216 | 1318456 | 48.273 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.569 | 237 | 1650866 | 99.527 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.822 | 196 | 894165 | 49.783 | ng | | 100 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050303.D
Acq On : 13 Jun 2025 17:10
Operator : RC/JU
Sample : Q2287-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
CONCRETE-SLABMS

Quant Time: Jun 13 18:05:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

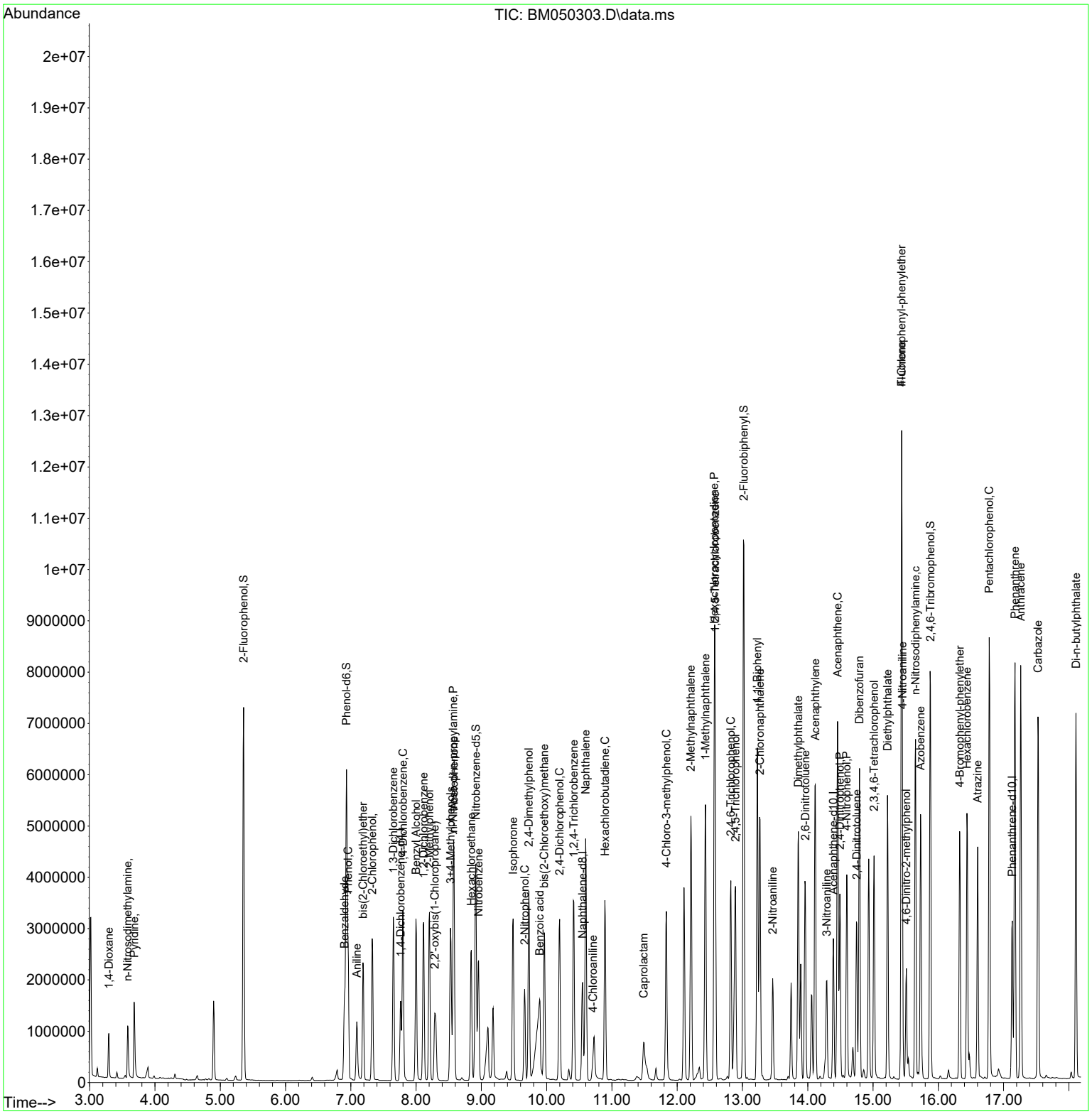
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.892 | 196 | 978722 | 49.630 | ng | | 99 |
| 46) 1,1'-Biphenyl | 13.227 | 154 | 3406897 | 48.103 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.269 | 162 | 2617093 | 47.530 | ng | | 99 |
| 48) 2-Nitroaniline | 13.463 | 65 | 517730 | 42.727 | ng | | 94 |
| 49) Acenaphthylene | 14.116 | 152 | 4253766 | 47.763 | ng | | 100 |
| 50) Dimethylphthalate | 13.857 | 163 | 3180974 | 49.727 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.963 | 165 | 657249 | 50.948 | ng | # | 85 |
| 52) Acenaphthene | 14.457 | 154 | 2530017 | 45.418 | ng | | 99 |
| 53) 3-Nitroaniline | 14.292 | 138 | 557230 | 38.757 | ng | | 100 |
| 54) 2,4-Dinitrophenol | 14.492 | 184 | 783300 | 109.265 | ng | | 96 |
| 55) Dibenzofuran | 14.792 | 168 | 3904531 | 47.911 | ng | | 100 |
| 56) 4-Nitrophenol | 14.598 | 139 | 1202008 | 98.226 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 14.751 | 165 | 928110 | 54.539 | ng | | 97 |
| 58) Fluorene | 15.439 | 166 | 3079575 | 49.337 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.016 | 232 | 848288m | 49.718 | ng | | |
| 60) Diethylphthalate | 15.221 | 149 | 3134746 | 49.390 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.439 | 204 | 1478750 | 49.018 | ng | | 97 |
| 62) 4-Nitroaniline | 15.451 | 138 | 477559 | 35.439 | ng | | 98 |
| 63) Azobenzene | 15.727 | 77 | 3198308 | 50.415 | ng | | 97 |
| 65) 4,6-Dinitro-2-methylph... | 15.510 | 198 | 493388 | 51.945 | ng | | 98 |
| 66) n-Nitrosodiphenylamine | 15.651 | 169 | 2683865 | 49.118 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.327 | 248 | 944229 | 50.916 | ng | | 97 |
| 68) Hexachlorobenzene | 16.439 | 284 | 1079863 | 49.839 | ng | | 99 |
| 69) Atrazine | 16.604 | 200 | 828307 | 47.576 | ng | | 98 |
| 70) Pentachlorophenol | 16.780 | 266 | 1507838 | 107.039 | ng | | 99 |
| 71) Phenanthrene | 17.174 | 178 | 4815943 | 48.477 | ng | | 99 |
| 72) Anthracene | 17.262 | 178 | 4854309 | 48.844 | ng | | 100 |
| 73) Carbazole | 17.527 | 167 | 4573157 | 50.509 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.110 | 149 | 5383239 | 54.644 | ng | | 100 |
| 75) Fluoranthene | 19.186 | 202 | 5443837 | 51.962 | ng | | 98 |
| 77) Benzidine | 19.374 | 184 | 150527 | 2.948 | ng | | 97 |
| 78) Pyrene | 19.551 | 202 | 5726775 | 46.788 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.456 | 149 | 2319762 | 56.818 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.345 | 228 | 5625973 | 48.945 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.268 | 252 | 1035228 | 29.534 | ng | | 100 |
| 83) Chrysene | 21.403 | 228 | 5365581 | 49.074 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.286 | 149 | 3496993 | 55.606 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.415 | 149 | 5682502 | 60.893 | ng | | 100 |
| 87) Indeno(1,2,3-cd)pyrene | 27.679 | 276 | 7089292 | 55.279 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 23.397 | 252 | 5823743 | 50.290 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 23.456 | 252 | 5958015 | 50.399 | ng | | 100 |
| 90) Benzo(a)pyrene | 24.191 | 252 | 5582743 | 51.275 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 27.738 | 278 | 5826052 | 55.967 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 28.721 | 276 | 5815128 | 55.813 | ng | | 99 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050303.D
Acq On : 13 Jun 2025 17:10
Operator : RC/JU
Sample : Q2287-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
CONCRETE-SLABMS

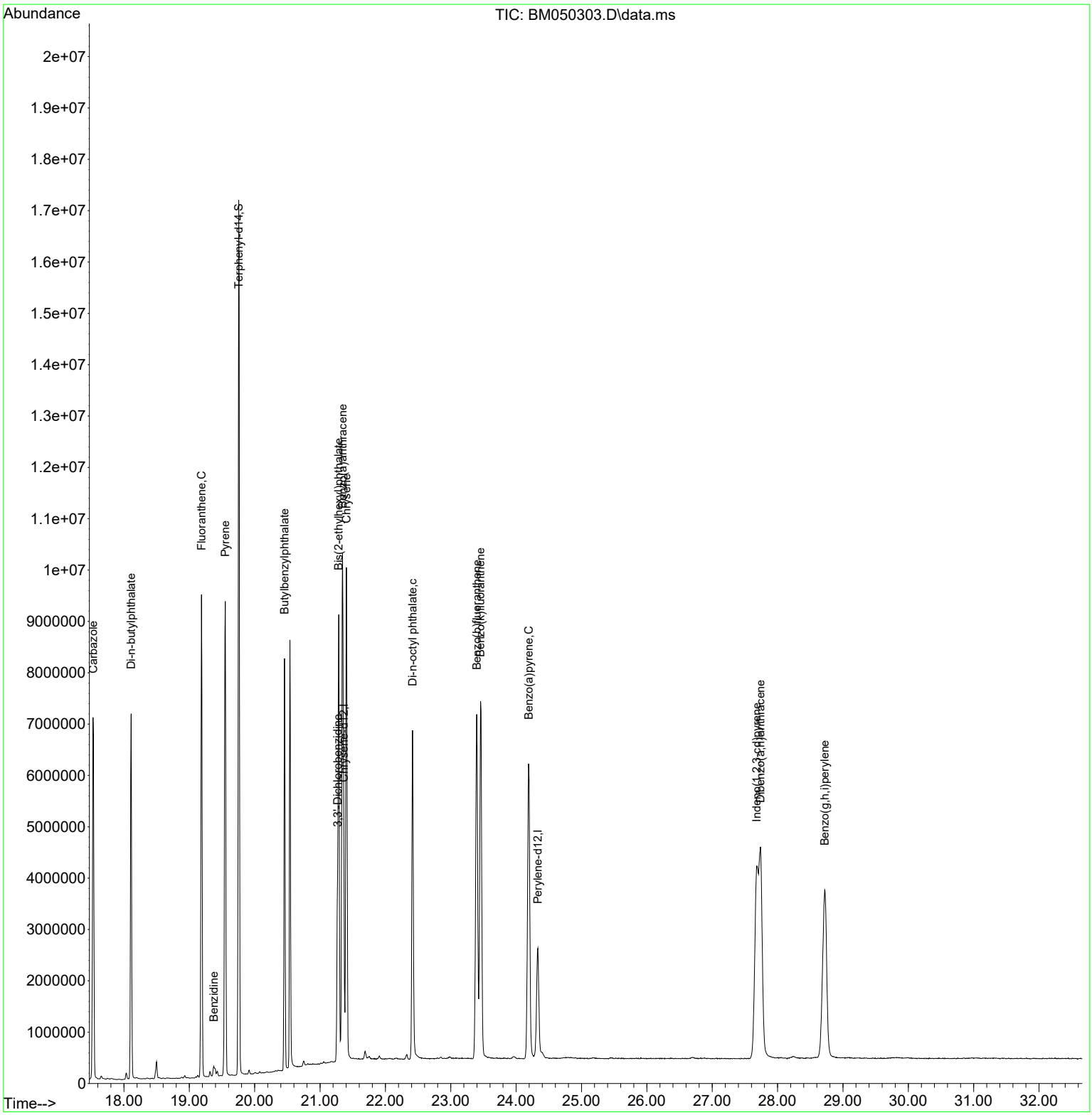
Quant Time: Jun 13 18:05:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050303.D
Acq On : 13 Jun 2025 17:10
Operator : RC/JU
Sample : Q2287-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
CONCRETE-SLABMS

Quant Time: Jun 13 18:05:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration



Raw Data: **BM050304.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | ENTACT | Date Collected: | 06/11/25 |
| Project: | 540 Degraw St, Brooklyn, NY - E9309 | Date Received: | 06/11/25 |
| Client Sample ID: | CONCRETE-SLABMSD | SDG No.: | Q2301 |
| Lab Sample ID: | Q2287-02MSD | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BM050304.D | 1 | 06/13/25 11:20 | 06/13/25 17:50 | PB168473 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 110-86-1 | Pyridine | 0.33 | | 0.013 | 0.050 | mg/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.46 | | 0.0053 | 0.050 | mg/L |
| 95-48-7 | 2-Methylphenol | 0.48 | | 0.011 | 0.050 | mg/L |
| 65794-96-9 | 3+4-Methylphenols | 0.47 | | 0.011 | 0.10 | mg/L |
| 67-72-1 | Hexachloroethane | 0.47 | | 0.0065 | 0.050 | mg/L |
| 98-95-3 | Nitrobenzene | 0.54 | | 0.0076 | 0.050 | mg/L |
| 87-68-3 | Hexachlorobutadiene | 0.51 | | 0.0054 | 0.050 | mg/L |
| 88-06-2 | 2,4,6-Trichlorophenol | 0.55 | | 0.0051 | 0.050 | mg/L |
| 95-95-4 | 2,4,5-Trichlorophenol | 0.54 | | 0.0062 | 0.050 | mg/L |
| 121-14-2 | 2,4-Dinitrotoluene | 0.57 | | 0.012 | 0.050 | mg/L |
| 118-74-1 | Hexachlorobenzene | 0.55 | | 0.0052 | 0.050 | mg/L |
| 87-86-5 | Pentachlorophenol | 1.10 | E | 0.016 | 0.10 | mg/L |
| **SURROGATES** | | | | | | |
| 367-12-4 | 2-Fluorophenol | 140 | | 15 (23) - 110 (138) | 93% | SPK: 150 |
| 13127-88-3 | Phenol-d6 | 124 | | 15 (10) - 110 (134) | 83% | SPK: 150 |
| 4165-60-0 | Nitrobenzene-d5 | 93.6 | | 30 (67) - 130 (132) | 94% | SPK: 100 |
| 321-60-8 | 2-Fluorobiphenyl | 90.3 | | 30 (52) - 130 (132) | 90% | SPK: 100 |
| 118-79-6 | 2,4,6-Tribromophenol | 155 | | 15 (44) - 110 (137) | 103% | SPK: 150 |
| 1718-51-0 | Terphenyl-d14 | 91.8 | | 30 (42) - 130 (152) | 92% | SPK: 100 |
| **INTERNAL STANDARDS** | | | | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 421000 | 7.763 | | | |
| 1146-65-2 | Naphthalene-d8 | 1600000 | 10.551 | | | |
| 15067-26-2 | Acenaphthene-d10 | 895000 | 14.392 | | | |
| 1517-22-2 | Phenanthrene-d10 | 1610000 | 17.133 | | | |
| 1719-03-5 | Chrysene-d12 | 1600000 | 21.362 | | | |
| 1520-96-3 | Perylene-d12 | 1720000 | 24.327 | | | |

Raw Data: **BM050304.D**

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

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | ENTACT | Date Collected: | 06/11/25 |
| Project: | 540 Degraw St, Brooklyn, NY - E9309 | Date Received: | 06/11/25 |
| Client Sample ID: | CONCRETE-SLABMSD | SDG No.: | Q2301 |
| Lab Sample ID: | Q2287-02MSD | Matrix: | TCLP |
| Analytical Method: | 8270E | % Solid: | 0 |
| Sample Wt/Vol: | 100 Units: mL | Final Vol: | 1000 uL |
| Soil Aliquot Vol: | uL | Test: | TCLP BNA |
| 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 |
|---|---|---|---|---|
| BM050304.D | 1 | 06/13/25 11:20 | 06/13/25 17:50 | PB168473 |

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

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

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050304.D
Acq On : 13 Jun 2025 17:50
Operator : RC/JU
Sample : Q2287-02MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
CONCRETE-SLABMSD

Quant Time: Jun 13 18:26:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.763 | 152 | 421105 | 20.000 | ng | | 0.00 |
| 21) Naphthalene-d8 | 10.551 | 136 | 1599281 | 20.000 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 14.392 | 164 | 894516 | 20.000 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.133 | 188 | 1607218 | 20.000 | ng | | 0.00 |
| 76) Chrysene-d12 | 21.362 | 240 | 1602418 | 20.000 | ng | | -0.01 |
| 86) Perylene-d12 | 24.327 | 264 | 1717876 | 20.000 | ng | | -0.02 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.357 | 112 | 3527781 | 139.748 | ng | | 0.00 |
| 7) Phenol-d6 | 6.934 | 99 | 4130637 | 124.300 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.916 | 82 | 2878632 | 93.612 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.880 | 330 | 1576375 | 154.934 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 13.016 | 172 | 5964905 | 90.279 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.756 | 244 | 7766119 | 91.842 | ng | | -0.01 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.293 | 88 | 458005 | 41.391 | ng | | 98 |
| 3) Pyridine | 3.681 | 79 | 938036 | 32.735 | ng | | 99 |
| 4) n-Nitrosodimethylamine | 3.581 | 42 | 288198 | 48.636 | ng | | 95 |
| 6) Aniline | 7.093 | 93 | 917145 | 20.877 | ng | | 99 |
| 8) 2-Chlorophenol | 7.328 | 128 | 1387665 | 49.975 | ng | | 100 |
| 9) Benzaldehyde | 6.904 | 77 | 538996 | 25.511 | ng | | 98 |
| 10) Phenol | 6.957 | 94 | 1546022 | 43.970 | ng | | 100 |
| 11) bis(2-Chloroethyl)ether | 7.187 | 93 | 1405163 | 49.685 | ng | | 99 |
| 12) 1,3-Dichlorobenzene | 7.651 | 146 | 1436186 | 46.266 | ng | | 98 |
| 13) 1,4-Dichlorobenzene | 7.798 | 146 | 1480504 | 45.839 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 8.116 | 146 | 1426326 | 46.325 | ng | | 99 |
| 15) Benzyl Alcohol | 7.998 | 79 | 1139776 | 48.088 | ng | | 99 |
| 16) 2,2'-oxybis(1-Chloropr... | 8.287 | 45 | 985173 | 50.146 | ng | | 97 |
| 17) 2-Methylphenol | 8.204 | 107 | 1110346 | 47.860 | ng | | 99 |
| 18) Hexachloroethane | 8.845 | 117 | 548163 | 46.866 | ng | | 97 |
| 19) n-Nitroso-di-n-propyla... | 8.569 | 70 | 979558 | 48.169 | ng | | 98 |
| 20) 3+4-Methylphenols | 8.528 | 107 | 1463652 | 47.156 | ng | | 99 |
| 22) Acetophenone | 8.581 | 105 | 2008374 | 50.266 | ng | # | 99 |
| 24) Nitrobenzene | 8.957 | 77 | 1500724 | 53.661 | ng | | 100 |
| 25) Isophorone | 9.487 | 82 | 2697695 | 50.828 | ng | | 100 |
| 26) 2-Nitrophenol | 9.663 | 139 | 670854 | 55.570 | ng | | 99 |
| 27) 2,4-Dimethylphenol | 9.728 | 122 | 1205315 | 48.592 | ng | | 100 |
| 28) bis(2-Chloroethoxy)met... | 9.969 | 93 | 1808996 | 52.173 | ng | | 98 |
| 29) 2,4-Dichlorophenol | 10.198 | 162 | 1219569 | 53.131 | ng | | 99 |
| 30) 1,2,4-Trichlorobenzene | 10.416 | 180 | 1301266 | 50.944 | ng | | 98 |
| 31) Naphthalene | 10.598 | 128 | 4094653 | 49.520 | ng | | 100 |
| 32) Benzoic acid | 9.892 | 122 | 1452555 | 93.181 | ng | | 95 |
| 33) 4-Chloroaniline | 10.710 | 127 | 320206 | 9.083 | ng | | 97 |
| 34) Hexachlorobutadiene | 10.892 | 225 | 778978 | 51.271 | ng | | 99 |
| 35) Caprolactam | 11.492 | 113 | 307389 | 42.240 | ng | | 94 |
| 36) 4-Chloro-3-methylphenol | 11.833 | 107 | 1229441 | 50.195 | ng | | 98 |
| 37) 2-Methylnaphthalene | 12.210 | 142 | 2516027 | 50.439 | ng | | 99 |
| 38) 1-Methylnaphthalene | 12.433 | 142 | 2637680 | 49.820 | ng | | 100 |
| 40) 1,2,4,5-Tetrachloroben... | 12.586 | 216 | 1405204 | 54.402 | ng | | 99 |
| 41) Hexachlorocyclopentadiene | 12.569 | 237 | 1816904 | 115.825 | ng | | 98 |
| 43) 2,4,6-Trichlorophenol | 12.822 | 196 | 927274 | 54.590 | ng | | 99 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050304.D
Acq On : 13 Jun 2025 17:50
Operator : RC/JU
Sample : Q2287-02MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
CONCRETE-SLABMSD

Quant Time: Jun 13 18:26:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration

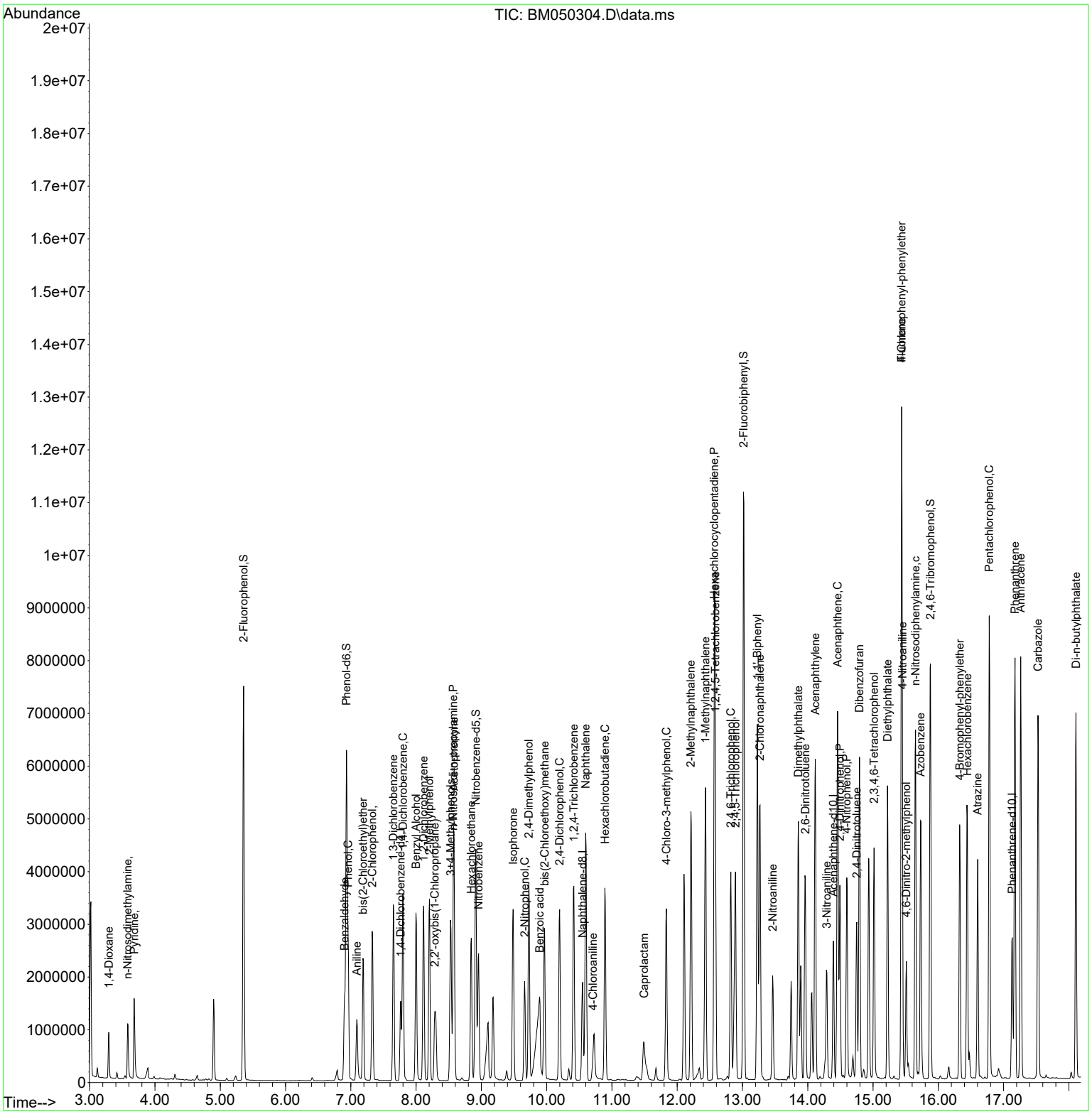
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) 2,4,5-Trichlorophenol | 12.892 | 196 | 1010391 | 54.177 | ng | | 98 |
| 46) 1,1'-Biphenyl | 13.227 | 154 | 3537797 | 52.818 | ng | | 99 |
| 47) 2-Chloronaphthalene | 13.269 | 162 | 2715534 | 52.149 | ng | | 99 |
| 48) 2-Nitroaniline | 13.463 | 65 | 514223 | 44.874 | ng | | 98 |
| 49) Acenaphthylene | 14.116 | 152 | 4355786 | 51.716 | ng | | 100 |
| 50) Dimethylphthalate | 13.857 | 163 | 3247330 | 53.678 | ng | | 100 |
| 51) 2,6-Dinitrotoluene | 13.963 | 165 | 680364 | 55.767 | ng | # | 89 |
| 52) Acenaphthene | 14.457 | 154 | 2582576 | 49.023 | ng | | 99 |
| 53) 3-Nitroaniline | 14.292 | 138 | 591154 | 43.477 | ng | | 96 |
| 54) 2,4-Dinitrophenol | 14.492 | 184 | 828850 | 128.191 | ng | | 94 |
| 55) Dibenzofuran | 14.792 | 168 | 4007473 | 51.997 | ng | | 99 |
| 56) 4-Nitrophenol | 14.598 | 139 | 1194918 | 103.252 | ng | | 100 |
| 57) 2,4-Dinitrotoluene | 14.751 | 165 | 920495 | 57.197 | ng | | 98 |
| 58) Fluorene | 15.439 | 166 | 3089653 | 52.340 | ng | | 100 |
| 59) 2,3,4,6-Tetrachlorophenol | 15.016 | 232 | 859389 | 53.260 | ng | | 93 |
| 60) Diethylphthalate | 15.221 | 149 | 3135204 | 52.232 | ng | | 99 |
| 61) 4-Chlorophenyl-phenyle... | 15.439 | 204 | 1524805 | 53.446 | ng | | 96 |
| 62) 4-Nitroaniline | 15.451 | 138 | 483496 | 37.939 | ng | | 96 |
| 63) Azobenzene | 15.727 | 77 | 3146086 | 52.439 | ng | | 98 |
| 65) 4,6-Dinitro-2-methylph... | 15.510 | 198 | 502676 | 57.263 | ng | | 97 |
| 66) n-Nitrosodiphenylamine | 15.651 | 169 | 2682093 | 53.111 | ng | | 99 |
| 67) 4-Bromophenyl-phenylether | 16.327 | 248 | 958246 | 55.910 | ng | | 99 |
| 68) Hexachlorobenzene | 16.445 | 284 | 1102368 | 55.051 | ng | | 93 |
| 69) Atrazine | 16.604 | 200 | 777493 | 48.319 | ng | | 98 |
| 70) Pentachlorophenol | 16.780 | 266 | 1489626 | 114.419 | ng | | 99 |
| 71) Phenanthrene | 17.174 | 178 | 4803134 | 52.313 | ng | | 99 |
| 72) Anthracene | 17.262 | 178 | 4838651 | 52.679 | ng | | 100 |
| 73) Carbazole | 17.527 | 167 | 4456426 | 53.257 | ng | | 99 |
| 74) Di-n-butylphthalate | 18.110 | 149 | 5255131 | 57.718 | ng | | 99 |
| 75) Fluoranthene | 19.186 | 202 | 5264976 | 54.376 | ng | | 99 |
| 77) Benzidine | 19.368 | 184 | 417641 | 9.268 | ng | | 100 |
| 78) Pyrene | 19.551 | 202 | 5510394 | 51.020 | ng | | 99 |
| 80) Butylbenzylphthalate | 20.456 | 149 | 2207167 | 61.266 | ng | | 97 |
| 81) Benzo(a)anthracene | 21.345 | 228 | 5346743 | 52.716 | ng | | 100 |
| 82) 3,3'-Dichlorobenzidine | 21.268 | 252 | 888041 | 28.711 | ng | | 100 |
| 83) Chrysene | 21.403 | 228 | 5096216 | 52.822 | ng | | 100 |
| 84) Bis(2-ethylhexyl)phtha... | 21.286 | 149 | 3306585 | 59.586 | ng | | 99 |
| 85) Di-n-octyl phthalate | 22.415 | 149 | 5377829 | 65.309 | ng | | 99 |
| 87) Indeno(1,2,3-cd)pyrene | 27.679 | 276 | 6768472 | 61.192 | ng | | 100 |
| 88) Benzo(b)fluoranthene | 23.397 | 252 | 5457885 | 54.645 | ng | | 100 |
| 89) Benzo(k)fluoranthene | 23.462 | 252 | 5495945 | 53.902 | ng | | 99 |
| 90) Benzo(a)pyrene | 24.191 | 252 | 5223557 | 55.625 | ng | | 100 |
| 91) Dibenzo(a,h)anthracene | 27.744 | 278 | 5587562 | 62.234 | ng | | 98 |
| 92) Benzo(g,h,i)perylene | 28.721 | 276 | 5555103 | 61.819 | ng | | 100 |

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050304.D
Acq On : 13 Jun 2025 17:50
Operator : RC/JU
Sample : Q2287-02MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
CONCRETE-SLABMSD

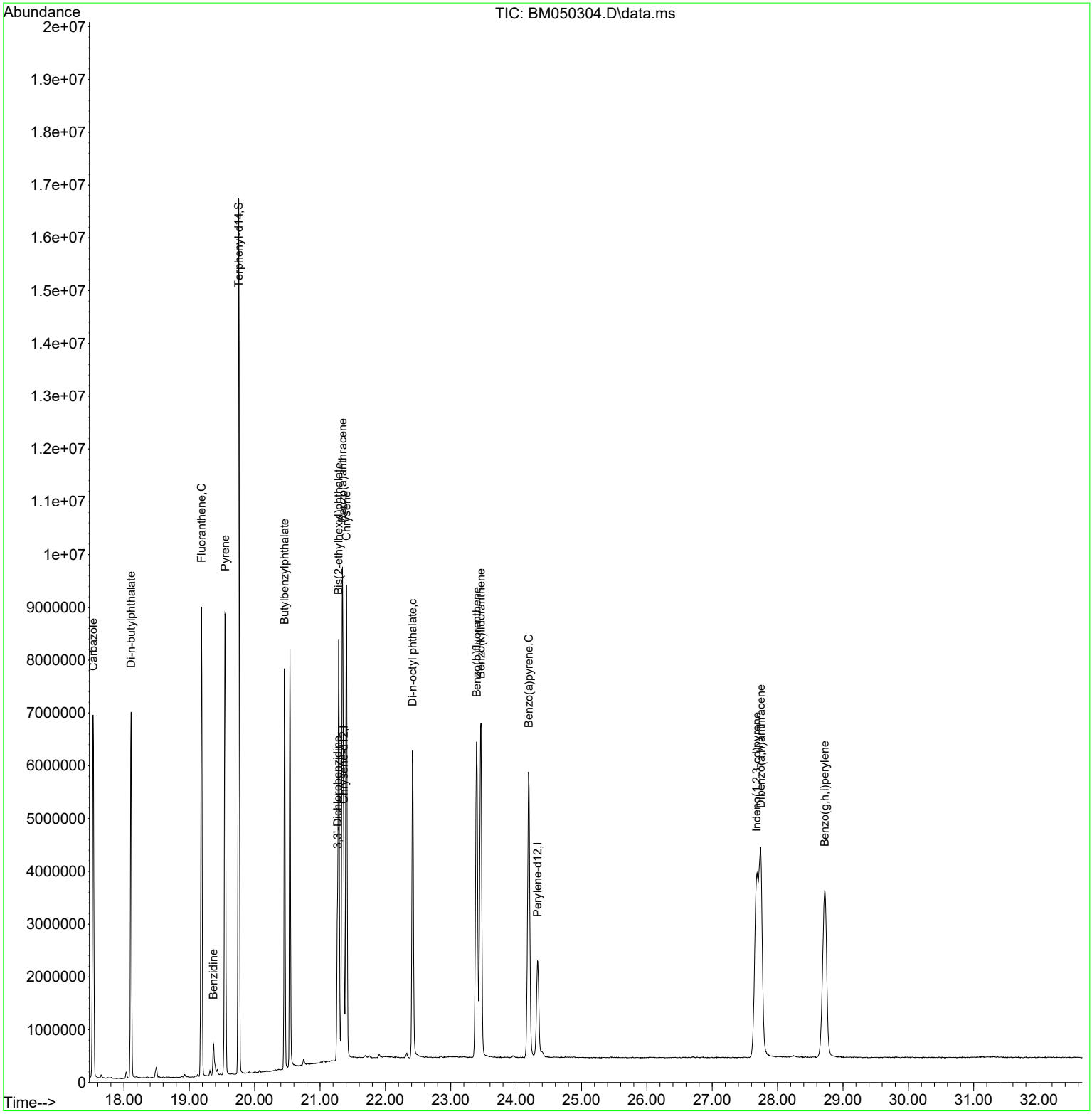
Quant Time: Jun 13 18:26:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061325\
Data File : BM050304.D
Acq On : 13 Jun 2025 17:50
Operator : RC/JU
Sample : Q2287-02MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
CONCRETE-SLABMSD

Quant Time: Jun 13 18:26:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
Response via : Initial Calibration



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

# Manual Integration Report

| Sequence: | BM060525 | Instrument | BNA_m |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDICC005 | BM050195.D | 2,3,4,6-Tetrachlorophenol | Rahul | 6/6/2025 12:19:17 PM | Jagrut | 6/6/2025 1:16:08 PM | Peak Integrated by Software |
| SSTDICC005 | BM050195.D | Benzaldehyde | Rahul | 6/6/2025 12:19:17 PM | Jagrut | 6/6/2025 1:16:08 PM | Peak Integrated by Software |
| SSTDICC010 | BM050196.D | 2,3,4,6-Tetrachlorophenol | Rahul | 6/5/2025 4:48:25 PM | Jagrut | 6/6/2025 1:16:10 PM | Peak Integrated by Software |
| SSTDICC020 | BM050197.D | Benzaldehyde | Rahul | 6/6/2025 12:19:19 PM | Jagrut | 6/6/2025 1:16:13 PM | Peak Integrated by Software |
| SSTDICCC040 | BM050198.D | 2,3,4,6-Tetrachlorophenol | Rahul | 6/5/2025 4:48:28 PM | Jagrut | 6/6/2025 1:16:15 PM | Peak Integrated by Software |
| SSTDICV040 | BM050202.D | Benzaldehyde | Rahul | 6/5/2025 4:48:30 PM | Jagrut | 6/6/2025 1:16:18 PM | Peak Integrated by Software |

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

# Manual Integration Report

| Sequence: | bm061325 | Instrument | BNA_m |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| SSTDCCC040 | BM050300.D | 2,3,4,6-Tetrachlorophenol | anahy | 6/16/2025 9:54:28 AM | Jagrut | 6/16/2025 10:17:46 AM | Peak Integrated by Software |
| Q2287-02MS | BM050303.D | 2,3,4,6-Tetrachlorophenol | anahy | 6/16/2025 9:55:09 AM | Jagrut | 6/16/2025 10:17:48 AM | Peak Integrated by Software |
| SSTDCCC040 | BM050314.D | 2,3,4,6-Tetrachlorophenol | anahy | 6/16/2025 9:58:02 AM | Jagrut | 6/16/2025 10:17:51 AM | Peak Integrated by Software |
| PB168473BS | BM050316.D | 2,3,4,6-Tetrachlorophenol | anahy | 6/16/2025 9:58:58 AM | Jagrut | 6/16/2025 10:17:53 AM | Peak Integrated by Software |

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

**Instrument ID: BNA_M**

## Daily Analysis Runlog For Sequence/QCBatch ID # BM060525

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | Rahul | Review On | 6/6/2025 12:27:19 PM | | | | |
| Supervise By | Jagrut | Supervise On | 6/6/2025 1:16:37 PM | | | | |
| SubDirectory | BM060525 | HP Acquire Method | BNA_M | | HP Processing Method | bm060525 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791 |
| CCC | SP6787 |
| Internal Standard/PEM | S12667,10ul/1000ul sample |
| ICV/I.BLK | SP6796 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BM050193.D | 05 Jun 2025 08:40 | RC/JU | Ok |
| 2 | SSTDICC2.5 | BM050194.D | 05 Jun 2025 09:20 | RC/JU | Ok |
| 3 | SSTDICC005 | BM050195.D | 05 Jun 2025 09:59 | RC/JU | Ok,M |
| 4 | SSTDICC010 | BM050196.D | 05 Jun 2025 10:38 | RC/JU | Ok,M |
| 5 | SSTDICC020 | BM050197.D | 05 Jun 2025 11:17 | RC/JU | Ok,M |
| 6 | SSTDICCC040 | BM050198.D | 05 Jun 2025 11:57 | RC/JU | Ok,M |
| 7 | SSTDICC050 | BM050199.D | 05 Jun 2025 12:36 | RC/JU | Ok |
| 8 | SSTDICC060 | BM050200.D | 05 Jun 2025 13:16 | RC/JU | Ok |
| 9 | SSTDICC080 | BM050201.D | 05 Jun 2025 13:56 | RC/JU | Ok |
| 10 | SSTDICV040 | BM050202.D | 05 Jun 2025 14:36 | RC/JU | Ok,M |
| 11 | PB168224TB | BM050203.D | 05 Jun 2025 16:35 | RC/JU | Ok |
| 12 | SP6794 | BM050204.D | 05 Jun 2025 17:15 | RC/JU | Ok |

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Fax : 908 789 8922

**Instrument ID: BNA_M**

## Daily Analysis Runlog For Sequence/QCBatch ID # BM061325

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | anahy | Review On | 6/16/2025 10:18:33 AM | | | | |
| Supervise By | Jagrut | Supervise On | 6/16/2025 10:18:42 AM | | | | |
| SubDirectory | BM061325 | HP Acquire Method | BNA_M | | HP Processing Method | BM060625 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791 |
| CCC | SP6787 |
| Internal Standard/PEM | S12668,10ul/1000ul sample |
| ICV/I.BLK | SP6796 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | DFTPP | BM050299.D | 13 Jun 2025 13:06 | RC/JU | Ok |
| 2 | SSTDCCC040 | BM050300.D | 13 Jun 2025 13:56 | RC/JU | Ok,M |
| 3 | PB168376BL | BM050301.D | 13 Jun 2025 14:35 | RC/JU | Not Ok |
| 4 | Q2287-02 | BM050302.D | 13 Jun 2025 16:31 | RC/JU | Ok |
| 5 | Q2287-02MS | BM050303.D | 13 Jun 2025 17:10 | RC/JU | Ok,M |
| 6 | Q2287-02MSD | BM050304.D | 13 Jun 2025 17:50 | RC/JU | Ok |
| 7 | Q2295-04 | BM050305.D | 13 Jun 2025 18:29 | RC/JU | Ok |
| 8 | Q2295-08 | BM050306.D | 13 Jun 2025 19:08 | RC/JU | Ok |
| 9 | Q2296-04 | BM050307.D | 13 Jun 2025 19:47 | RC/JU | Ok |
| 10 | Q2296-08 | BM050308.D | 13 Jun 2025 20:26 | RC/JU | Ok |
| 11 | Q2296-12 | BM050309.D | 13 Jun 2025 21:05 | RC/JU | Ok |
| 12 | Q2296-16 | BM050310.D | 13 Jun 2025 21:44 | RC/JU | Ok |
| 13 | Q2296-20 | BM050311.D | 13 Jun 2025 22:24 | RC/JU | Ok |
| 14 | Q2296-24 | BM050312.D | 13 Jun 2025 23:03 | RC/JU | Ok |
| 15 | DFTPP | BM050313.D | 14 Jun 2025 00:22 | RC/JU | Ok |
| 16 | SSTDCCC040 | BM050314.D | 14 Jun 2025 01:01 | RC/JU | Ok,M |
| 17 | PB168473BL | BM050315.D | 14 Jun 2025 01:41 | RC/JU | Ok |
| 18 | PB168473BS | BM050316.D | 14 Jun 2025 02:21 | RC/JU | Ok,M |
| 19 | PB168428TB | BM050317.D | 14 Jun 2025 03:00 | RC/JU | Ok |
| 20 | Q2301-03 | BM050318.D | 14 Jun 2025 03:40 | RC/JU | Ok |
| 21 | Q2310-04 | BM050319.D | 14 Jun 2025 04:19 | RC/JU | Ok |

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Fax : 908 789 8922

**Instrument ID: BNA_M**

## Daily Analysis Runlog For Sequence/QCBatch ID # BM061325

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | anahy | Review On | 6/16/2025 10:18:33 AM | | | | |
| Supervise By | Jagrut | Supervise On | 6/16/2025 10:18:42 AM | | | | |
| SubDirectory | BM061325 | HP Acquire Method | BNA_M | | HP Processing Method | BM060625 | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791 |
| CCC | SP6787 |
| Internal Standard/PEM | S12668,10ul/1000ul sample |
| ICV/I.BLK | SP6796 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | |
|---|---|---|---|---|---|
| 22 | Q2297-04 | BM050320.D | 14 Jun 2025 04:58 | RC/JU | Ok |

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**Instrument ID:** BNA_M

## Daily Analysis Runlog For Sequence/QCBatch ID # BM060525

| | | | | | |
|---|---|---|---|---|---|
| Review By | Rahul | Review On | 6/6/2025 12:27:19 PM | | |
| Supervise By | Jagrut | Supervise On | 6/6/2025 1:16:37 PM | | |
| SubDirectory | BM060525 | HP Acquire Method | BNA_M | HP Processing Method | bm060525 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791 |
| CCC | SP6787 |
| Internal Standard/PEM | S12667,10ul/1000ul sample |
| ICV/I.BLK | SP6796 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BM050193.D | 05 Jun 2025 08:40 | | RC/JU | Ok |
| 2 | SSTDICC2.5 | SSTDICC2.5 | BM050194.D | 05 Jun 2025 09:20 | | RC/JU | Ok |
| 3 | SSTDICC005 | SSTDICC005 | BM050195.D | 05 Jun 2025 09:59 | Compound #32,54,65,77 removed from 5PPM | RC/JU | Ok,M |
| 4 | SSTDICC010 | SSTDICC010 | BM050196.D | 05 Jun 2025 10:38 | Compound #54 kept on QR | RC/JU | Ok,M |
| 5 | SSTDICC020 | SSTDICC020 | BM050197.D | 05 Jun 2025 11:17 | | RC/JU | Ok,M |
| 6 | SSTDICCC040 | SSTDICCC040 | BM050198.D | 05 Jun 2025 11:57 | The compound # 85 failed in the Calibration. | RC/JU | Ok,M |
| 7 | SSTDICC050 | SSTDICC050 | BM050199.D | 05 Jun 2025 12:36 | | RC/JU | Ok |
| 8 | SSTDICC060 | SSTDICC060 | BM050200.D | 05 Jun 2025 13:16 | | RC/JU | Ok |
| 9 | SSTDICC080 | SSTDICC080 | BM050201.D | 05 Jun 2025 13:56 | Compound #9 removed from 80PPM | RC/JU | Ok |
| 10 | SSTDICV040 | ICVBM060525 | BM050202.D | 05 Jun 2025 14:36 | | RC/JU | Ok,M |
| 11 | PB168224TB | PB168224TB | BM050203.D | 05 Jun 2025 16:35 | | RC/JU | Ok |
| 12 | SP6794 | SP6794 | BM050204.D | 05 Jun 2025 17:15 | | RC/JU | Ok |

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**Instrument ID:** BNA_M

## Daily Analysis Runlog For Sequence/QCBatch ID # BM061325

| | | | | | |
|---|---|---|---|---|---|
| Review By | anahy | Review On | 6/16/2025 10:18:33 AM | | |
| Supervise By | Jagrut | Supervise On | 6/16/2025 10:18:42 AM | | |
| SubDirectory | BM061325 | HP Acquire Method | BNA_M | HP Processing Method | BM060625 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791 |
| CCC | SP6787 |
| Internal Standard/PEM | S12668,10ul/1000ul sample |
| ICV/I.BLK | SP6796 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | DFTPP | DFTPP | BM050299.D | 13 Jun 2025 13:06 | | RC/JU | Ok |
| 2 | SSTDCCC040 | SSTDCCC040 | BM050300.D | 13 Jun 2025 13:56 | | RC/JU | Ok,M |
| 3 | PB168376BL | PB168376BL | BM050301.D | 13 Jun 2025 14:35 | Analyzed for contamination check | RC/JU | Not Ok |
| 4 | Q2287-02 | CONCRETE-SLAB | BM050302.D | 13 Jun 2025 16:31 | | RC/JU | Ok |
| 5 | Q2287-02MS | CONCRETE-SLABMS | BM050303.D | 13 Jun 2025 17:10 | | RC/JU | Ok,M |
| 6 | Q2287-02MSD | CONCRETE-SLABMSD | BM050304.D | 13 Jun 2025 17:50 | | RC/JU | Ok |
| 7 | Q2295-04 | TP01-MH1-WC | BM050305.D | 13 Jun 2025 18:29 | | RC/JU | Ok |
| 8 | Q2295-08 | TP02-MH5-WC | BM050306.D | 13 Jun 2025 19:08 | | RC/JU | Ok |
| 9 | Q2296-04 | WC-1 | BM050307.D | 13 Jun 2025 19:47 | | RC/JU | Ok |
| 10 | Q2296-08 | WC-2 | BM050308.D | 13 Jun 2025 20:26 | | RC/JU | Ok |
| 11 | Q2296-12 | WC-3 | BM050309.D | 13 Jun 2025 21:05 | | RC/JU | Ok |
| 12 | Q2296-16 | WC-4 | BM050310.D | 13 Jun 2025 21:44 | | RC/JU | Ok |
| 13 | Q2296-20 | WC-5 | BM050311.D | 13 Jun 2025 22:24 | | RC/JU | Ok |
| 14 | Q2296-24 | WC-6 | BM050312.D | 13 Jun 2025 23:03 | | RC/JU | Ok |
| 15 | DFTPP | DFTPP | BM050313.D | 14 Jun 2025 00:22 | | RC/JU | Ok |
| 16 | SSTDCCC040 | SSTDCCC040 | BM050314.D | 14 Jun 2025 01:01 | | RC/JU | Ok,M |
| 17 | PB168473BL | PB168473BL | BM050315.D | 14 Jun 2025 01:41 | | RC/JU | Ok |

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Fax : 908 789 8922

**Instrument ID:** BNA_M

## Daily Analysis Runlog For Sequence/QCBatch ID # BM061325

| | | | | | |
|---|---|---|---|---|---|
| Review By | anahy | Review On | 6/16/2025 10:18:33 AM | | |
| Supervise By | Jagrut | Supervise On | 6/16/2025 10:18:42 AM | | |
| SubDirectory | BM061325 | HP Acquire Method | BNA_M | HP Processing Method | BM060625 |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | SP6757 |
| Initial Calibration Stds | SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791 |
| CCC | SP6787 |
| Internal Standard/PEM | S12668,10ul/1000ul sample |
| ICV/I.BLK | SP6796 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18 | PB168473BS | PB168473BS | BM050316.D | 14 Jun 2025 02:21 | | RC/JU | Ok,M |
| 19 | PB168428TB | PB168428TB | BM050317.D | 14 Jun 2025 03:00 | | RC/JU | Ok |
| 20 | Q2301-03 | WC-URBAN-FILL-C | BM050318.D | 14 Jun 2025 03:40 | | RC/JU | Ok |
| 21 | Q2310-04 | TP-7 | BM050319.D | 14 Jun 2025 04:19 | | RC/JU | Ok |
| 22 | Q2297-04 | TP-3 | BM050320.D | 14 Jun 2025 04:58 | | RC/JU | Ok |

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# TCLP EXTRACTION LOGPAGE

PB168428

**SOP ID :** M1311-TCLP-16

**SDG No :** N/A

**Weigh By :** JP

**Balance ID :** WC SC-7

**pH Meter ID :** WC PH METER-1

**Extraction By :** JP

**Filter By :** JP

**Pippete ID :** WC

**Tumbler ID :** T-1 / T-2

**TCLP Filter ID :** 115525

**Start Prep Date :** 06/12/2025 **Time :** 16:00

**End Prep Date :** 06/13/2025 **Time :** 10:20

**Combination Ratio :** 20

**ZHE Cleaning Batch :** ~~N/A~~ 18

**Initial Room Temperature:** 23 °C

**Final Room Temperature:** 22 °C

**TCLP Technician Signature :** JP

**Supervisor By :** JP

| Standared Name | MLS USED | STD REF. # FROM LOG |
|---|---|---|
| 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 |

| Chemical Used | ML/SAMPLE U | Lot Number |
|---|---|---|
| TCLP-FLUID-1 | N/A | WP112795 |
| HCL-TCLP,1N | N/A | WP112797 |
| HNO3-TCLP,1N | N/A | WP112799 |
| pH Strips | N/A | W1931,W1934,W3171,W3172 |
| pH Strips | W1940,W1941,W1942 | W3166,W1938,W1939, |
| 1 Liter Amber | N/A | 90924-08 |
| 120ml Plastic bottle | N/A | 2738 |
| 1:1 HNO3 | N/A | MP84041 |

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

Matrix spikes are added after fiftration and before preservation. TUMBLER T-1 /T-2 checked,30 rpm. q2310-04 is used for MS-MSD.

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 06/13/25 11:00 | JP ICP Room | SLS. RJ ICP |
| | Preparation Group | Analysis Group Metals |

Alliance TECHNICAL GROUP

**TCLP EXTRACTION LOGPAGE**

PB168428

| Sample ID | ClientID | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| PB168428TB | LEB428 | 13 | N/A | 2000 | N/A | N/A | N/A | 4.93 | 1.0 | T-2 |
| Q2287-02 | CONCRETE-SLAB | 01 | 100.04 | 2000 | N/A | N/A | N/A | 11.0 | 1.5 | T-1 |
| Q2295-04 | TP01-MH1-WC | 02 | 100.02 | 2000 | N/A | N/A | N/A | 7.6 | 1.0 | T-1 |
| Q2295-08 | TP02-MH5-WC | 03 | 100.03 | 2000 | N/A | N/A | N/A | 7.0 | 1.5 | T-1 |
| Q2296-04 | WC-1 | 04 | 100.01 | 2000 | N/A | N/A | N/A | 5.5 | 1.0 | T-1 |
| Q2296-08 | WC-2 | 05 | 100.02 | 2000 | N/A | N/A | N/A | 5.6 | 1.5 | T-1 |
| Q2296-12 | WC-3 | 06 | 100.03 | 2000 | N/A | N/A | N/A | 5.8 | 1.0 | T-1 |
| Q2296-16 | WC-4 | 07 | 100.04 | 2000 | N/A | N/A | N/A | 5.8 | 1.5 | T-1 |
| Q2296-20 | WC-5 | 08 | 100.02 | 2000 | N/A | N/A | N/A | 5.6 | 1.0 | T-1 |
| Q2296-24 | WC-6 | 09 | 100.03 | 2000 | N/A | N/A | N/A | 5.6 | 1.5 | T-1 |
| Q2297-04 | TP-3 | 10 | 100.04 | 2000 | N/A | N/A | N/A | 7.0 | 1.5 | T-1 |
| Q2301-03 | WC-URBAN-FILL-C | 11 | 100.02 | 2000 | N/A | N/A | N/A | 5.8 | 1.5 | T-2 |
| Q2310-04 | TP-7 | 12 | 100.01 | 2000 | N/A | N/A | N/A | 7.0 | 1.0 | T-2 |

| SampleID | ClientID | Sample Weight (g) | Filter Weight (g) | Filtrate (mL) | Filter + Solid (After 100°C) | % solids | % Dry Solids |
|---|---|---|---|---|---|---|---|
| PB168428TB | LEB428 | N/A | N/A | N/A | N/A | N/A | N/A |
| Q2287-02 | CONCRETE-SLAB | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2295-04 | TP01-MH1-WC | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2295-08 | TP02-MH5-WC | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2296-04 | WC-1 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2296-08 | WC-2 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2296-12 | WC-3 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2296-16 | WC-4 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2296-20 | WC-5 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2296-24 | WC-6 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2297-04 | TP-3 | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2301-03 | WC-URBAN-FILL-C | N/A | N/A | N/A | N/A | 100 | N/A |
| Q2310-04 | TP-7 | N/A | N/A | N/A | N/A | 100 | N/A |

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**TCLP Fluid Determination**

PB168428

**Hot Block ID :** WC S-1 / WC S-2

**Thermometer ID :** FLASHPOINT

| SampleID | ClientID | Sample Weight (g) | Volume DI Water (mL) | PH after 5 min stir | PH after 10 min stir | Extraction Fluid 1 or 2 | pH Extraction Fluid |
|---|---|---|---|---|---|---|---|
| PB168428TB | LEB428 | N/A | N/A | N/A | N/A | #1 | 4.93 |
| Q2287-02 | CONCRETE-SLAB | 5.04 | 96.5 | 11.5 | 4.5 | #1 | 4.93 |
| Q2295-04 | TP01-MH1-WC | 5.02 | 96.5 | 10.5 | 4.5 | #1 | 4.93 |
| Q2295-08 | TP02-MH5-WC | 5.01 | 96.5 | 9.1 | 4.0 | #1 | 4.93 |
| Q2296-04 | WC-1 | 5.02 | 96.5 | 8.0 | 3.0 | #1 | 4.93 |
| Q2296-08 | WC-2 | 5.03 | 96.5 | 8.0 | 3.0 | #1 | 4.93 |
| Q2296-12 | WC-3 | 5.04 | 96.5 | 7.6 | 2.5 | #1 | 4.93 |
| Q2296-16 | WC-4 | 5.03 | 96.5 | 8.0 | 3.0 | #1 | 4.93 |
| Q2296-20 | WC-5 | 5.02 | 96.5 | 8.0 | 3.0 | #1 | 4.93 |
| Q2296-24 | WC-6 | 5.01 | 96.5 | 7.6 | 2.5 | #1 | 4.93 |
| Q2297-04 | TP-3 | 5.02 | 96.5 | 9.5 | 4.0 | #1 | 4.93 |
| Q2301-03 | WC-URBAN-FILL-C | 5.01 | 96.5 | 8.2 | 3.5 | #1 | 4.93 |
| Q2310-04 | TP-7 | 5.02 | 96.5 | 9.3 | 4.0 | #1 | 4.93 |

# WORKLIST(Hardcopy Internal Chain)

**WorkList Name :** tclp q2301 **WorkList ID :** 190152 **Department :** TCLP Extraction **Date :** 06-12-2025 12:58:19

| Sample | Customer Sample | Matrix | Test | Preservative | Customer | Raw Sample Storage Location | Collect Date | Method |
|---|---|---|---|---|---|---|---|---|
| Q2287-02 | CONCRETE-SLAB | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | D41 | 06/11/2025 | 1311 |
| Q2295-04 | TP01-MH1-WC | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | N42 | 06/10/2025 | 1311 |
| Q2295-08 | TP02-MH5-WC | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | N42 | 06/10/2025 | 1311 |
| Q2296-04 | WC-1 | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | | 06/11/2025 | 1311 |
| Q2296-08 | WC-2 | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | | 06/11/2025 | 1311 |
| Q2296-12 | WC-3 | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | | 06/11/2025 | 1311 |
| Q2296-16 | WC-4 | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | | 06/11/2025 | 1311 |
| Q2296-20 | WC-5 | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | | 06/11/2025 | 1311 |
| Q2296-24 | WC-6 | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | | 06/11/2025 | 1311 |
| Q2297-04 | TP-3 | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | | 06/11/2025 | 1311 |
| Q2301-03 | WC-URBAN-FILL-C | Solid | TCLP Extraction | Cool 4 deg C | PSEG03 | | 06/11/2025 | 1311 |
| Q2310-04 | TP-7 | Solid | TCLP Extraction | Cool 4 deg C | ENTA05 | D41 | 06/11/2025 | 1311 |
| | | | | | PSEG03 | D41 | 06/12/2025 | 1311 |

**Date/Time** 06-12-25 15:30
**Raw Sample Received by:**
**Raw Sample Relinquished by:**



**Date/Time** 06-12-25 17:30
**Raw Sample Received by:**
**Raw Sample Relinquished by:**

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**EXTRACTION LOGPAGE**

PB168473

| | | | | | |
|---|---|---|---|---|---|
| **SOP ID:** | M3541-ASE Extraction-14 | | | | |
| **Clean Up SOP #:** | N/A | | | **Extraction Start Date :** | 06/13/2025 |
| **Matrix :** | Water | | | **Extraction Start Time :** | 11:20 |
| **Weigh By:** | N/A | **Extraction By:** | RJ | **Extraction End Date :** | 06/13/2025 |
| **Balance check:** | N/A | **Filter By:** | RS | **Extraction End Time :** | 16:15 |
| **Balance ID:** | N/A | **pH Meter ID:** | N/A | **Concentration By:** | EH |
| **pH Strip Lot#:** | N/A | **Hood ID:** | 4,5,6,7 | **Supervisor By :** | 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 | SP6794 |
| 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 | E3939 |
| Baked Na2SO4 | N/A | EP2620 |
| 10N NaoH | N/A | EP2609 |
| H2SO4 1:1 | N/A | EP2610 |
| 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:**

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

| | | | |
|---|---|---|---|
| **KD Bath ID:** | WATER BATH-1,2 | **Envap ID:** | NEVAP-02 |
| **KD Bath Temperature:** | 60 °C | **Envap Temperature:** | 40 °C |

| Date / Time | Prepped Sample Relinquished By/Location | Received By/Location |
|---|---|---|
| 06/13/25 | RP (Sep Labs) | RC/SVNC |
| 16:20 | **Preparation Group** | **Analysis Group** |

Alliance TECHNICAL GROUP

**EXTRACTION LOGPAGE**

**PrepBatch ID : PB168473**

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

**Concentration Date:** 06/13/2025

| Sample ID | Client Sample ID | Test | g / mL | PH | Surr/Spike By: | | Final Vol. (mL) | JarID | Comments | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | AddedBy | VerifiedBy | | | | |
| PB168428TB | PB168428TB | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | | | SEP-1 |
| PB168473BL | PB168473BL | TCLP BNA | 1000 | 6 | RUPESH | ritesh | 1 | | | 2 |
| PB168473BS | PB168473BS | TCLP BNA | 1000 | 6 | RUPESH | ritesh | 1 | | | 3 |
| Q2287-02 | CONCRETE-SLAB | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 4 |
| Q2287-02MS | CONCRETE-SLABMS | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 5 |
| Q2287-02MSD | CONCRETE-SLABMSD | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 6 |
| Q2295-04 | TP01-MH1-WC | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 7 |
| Q2295-08 | TP02-MH5-WC | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 8 |
| Q2296-04 | WC-1 | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 9 |
| Q2296-08 | WC-2 | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 10 |
| Q2296-12 | WC-3 | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 11 |
| Q2296-16 | WC-4 | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 12 |
| Q2296-20 | WC-5 | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 13 |
| Q2296-24 | WC-6 | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 14 |
| Q2297-04 | TP-3 | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 15 |
| Q2301-03 | WC-URBAN-FILL-C | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 16 |
| Q2310-04 | TP-7 | TCLP BNA | 100 | 6 | RUPESH | ritesh | 1 | A | | 17 |

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

6/13/25

Alliance TECHNICAL GROUP

## TCLP EXTRACTION LOGPAGE

PB168428

| Sample ID | ClientID | TCLP Vessel ID | Sample Wt (g) | Volume Extraction Fluid #1 (mL) | Multi phasic | Phase Miscible | Phases Combined | Final Leachate PH | Metals Leachate Adj. PH | Prep Pos |
|---|---|---|---|---|---|---|---|---|---|---|
| PB168428TB | LEB428 | 13 | N/A | 2000 | N/A | N/A | N/A | 4.93 | 1.0 | T-2 |
| Q2287-02 | CONCRETE-SLAB | 01 | 100.04 | 2000 | N/A | N/A | N/A | 11.0 | 1.5 | T-1 |
| Q2295-04 | TP01-MH1-WC | 02 | 100.02 | 2000 | N/A | N/A | N/A | 7.6 | 1.0 | T-1 |
| Q2295-08 | TP02-MH5-WC | 03 | 100.03 | 2000 | N/A | N/A | N/A | 7.0 | 1.5 | T-1 |
| Q2296-04 | WC-1 | 04 | 100.01 | 2000 | N/A | N/A | N/A | 5.5 | 1.0 | T-1 |
| Q2296-08 | WC-2 | 05 | 100.02 | 2000 | N/A | N/A | N/A | 5.6 | 1.5 | T-1 |
| Q2296-12 | WC-3 | 06 | 100.03 | 2000 | N/A | N/A | N/A | 5.8 | 1.0 | T-1 |
| Q2296-16 | WC-4 | 07 | 100.04 | 2000 | N/A | N/A | N/A | 5.8 | 1.5 | T-1 |
| Q2296-20 | WC-5 | 08 | 100.02 | 2000 | N/A | N/A | N/A | 5.6 | 1.0 | T-1 |
| Q2296-24 | WC-6 | 09 | 100.03 | 2000 | N/A | N/A | N/A | 5.6 | 1.5 | T-1 |
| Q2297-04 | TP-3 | 10 | 100.04 | 2000 | N/A | N/A | N/A | 7.0 | 1.5 | T-1 |
| Q2301-03 | WC-URBAN-FILL-C | 11 | 100.02 | 2000 | N/A | N/A | N/A | 5.8 | 1.5 | T-2 |
| Q2310-04 | TP-7 | 12 | 100.01 | 2000 | N/A | N/A | N/A | 7.0 | 1.0 | T-2 |

06/13/25
11:00


# SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

# CHAIN OF CUSTODY RECORD

Alliance Project Number: Q2301

COC Number: 2042113



## CLIENT INFORMATION

COMPANY: ENTACT, LLC
ADDRESS: 150 Bay Street, Suite 806
CITY: Jersey City STATE: NJ ZIP: 07302
ATTENTION: Austin Farmerie
PHONE: 412-716-1366 FAX:

## PROJECT INFORMATION

PROJECT NAME: 540 Degraw St Brooklyn, NY
PROJECT #: E9309 LOCATION: Brooklyn, NY
PROJECT MANAGER: Austin Farmerie
E-MAIL: afarmerie@entact.com
PHONE: 412-716-1366 FAX:

## BILLING INFORMATION

BILL TO: ENTACT, LLC PO# E9309
ADDRESS: 999 Oakmont Plaza Drive, Suite 300
CITY: Westmont STATE: IL ZIP: 60559
ATTENTION: Wendy Murray PHONE: 800-936-8228

## DATA TURNAROUND INFORMATION

FAX: 3 DAYS*
HARD COPY: DAYS*
EDD 3 DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

## DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

## ANALYSIS

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|
| TCLP VOCs | TCLP ICP Metals + Cu, Ni, Zn | TCLP Herb | TCLP Pest | TCLP SVOCs | TCLP pH | I/C/R | PCBs | Oil & Grease |

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # of Bottles | PRESERVATIVES 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1. | WC-URBAN-FILL-G | Soil | | X | 6/11 | 12:00 | 1 | X | | | | | | | | |
| 2. | WC-URBAN-FILL-C | Soil | X | | 6/11 | 12:00 | 11 | | X | X | X | X | X | X | X | X |
| 3. | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | |

PRESERVATIVES: E E E E E E E E E

## COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

## SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

| RELINQUISHED BY SAMPLER | DATE/TIME | RECEIVED BY |
|---|---|---|
| 1. Austin Farmerie | 6/11 12:00 | 1. 12:52 |
| RELINQUISHED BY | DATE/TIME | RECEIVED BY |
| 2. | | 2. |
| RELINQUISHED BY | DATE/TIME | RECEIVED FOR LAB BY |
| 3. | 6-11-2025 1745 | 3. |

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.0°C Ice in Cooler?: Yes

Comments:

Page of

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPYFOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

# CHAIN OF CUSTODY RECORD

Alliance Project Number: Q2301

COC Number: 2042113



## CLIENT INFORMATION

COMPANY: **ENTACT, LLC**
ADDRESS: **150 Bay Street, Suite 806**
CITY **Jersey City** STATE: **NJ** ZIP: **07302**
ATTENTION: **Austin Farmerie**
PHONE: **412-716-1366** FAX:

## PROJECT INFORMATION

PROJECT NAME: **540 Degraw St Brooklyn, NY**
PROJECT #: **E9309** LOCATION: **Brooklyn, NY**
PROJECT MANAGER: **Austin Farmerie**
E-MAIL: **afarmerie@entact.com**
PHONE: **412-716-1366** FAX:

## BILLING INFORMATION

BILL TO: **ENTACT, LLC** PO# **E9309**
ADDRESS: **999 Oakmont Plaza Drive, Suite 300**
CITY: **Westmont** STATE: **IL** ZIP: **60559**
ATTENTION: **Wendy Murray** PHONE: **800-936-8228**

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EDD 3 DAYS*
* TO BE APPROVED BY ALLIANCE
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- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

## ANALYSIS

| 10 | 11 | 12 | 13 | 14 | 15 | 16 | | |
|---|---|---|---|---|---|---|---|---|
| ASTM COD | ASTM Ammonia Nitrogen | ASTM O&G | ASTM TS | TS, TVS | pH | Paint Filter | | |

| CHEMTECH SAMPLE ID | PROJECT SAMPLE IDENTIFICATION | SAMPLE MATRIX | SAMPLE TYPE COMP | SAMPLE TYPE GRAB | SAMPLE COLLECTION DATE | SAMPLE COLLECTION TIME | # of Bottles | PRESERVATIVES 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | E | E | E | E | E | E | E | | |
| 1. | WC-URBAN-FILL-G | Soil | | X | 6/11 | 12:00 | 1 | | | | | | | | | |
| 2. | WC-URBAN-FILL-C | Soil | X | | 6/11 | 12:00 | 11 | X | X | X | X | X | X | X | | |
| 3. | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | |

## COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

## SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

| | DATE/TIME | RECEIVED BY |
|---|---|---|
| RELINQUISHED BY SAMPLER 1. **Austin Farmerie** | 6-11-2025 12:52 | 1. |
| RELINQUISHED BY 2. | DATE/TIME | RECEIVED BY 2. |
| RELINQUISHED BY 3. | DATE/TIME 6-11-2025 1745 | RECEIVED FOR LAB BY 3. |

**Conditions of bottles or coolers at receipt:** ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 3.0°C
Ice in Cooler?: YES

**Comments:**

Page of

**SHIPPED VIA:** CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

**Shipment Complete** ☐ YES ☐ NO

**WHITE** - ALLIANCE COPYFOR RETURN TO CLIENT **YELLOW** - ALLIANCE COPY **PINK** - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

# Laboratory Certification

| Certified By | License No. |
|---|---|
| | |
| CAS EPA CLP Contract | 68HERH20D0011 |
| | |
| Connecticut | PH-0830 |
| | |
| DOD ELAP (ANAB) | L2219 |
| | |
| Maine | 2024021 |
| | |
| Maryland | 296 |
| | |
| New Hampshire | 255424 Rev 1 |
| | |
| New Jersey | 20012 |
| | |
| New York | 11376 |
| | |
| Pennsylvania | 68-00548 |
| | |
| Soil Permit | 525-24-234-08441 |
| | |
| Texas | T104704488 |

QA Control Code: A2070148