Quantitation Report (QT Reviewed)

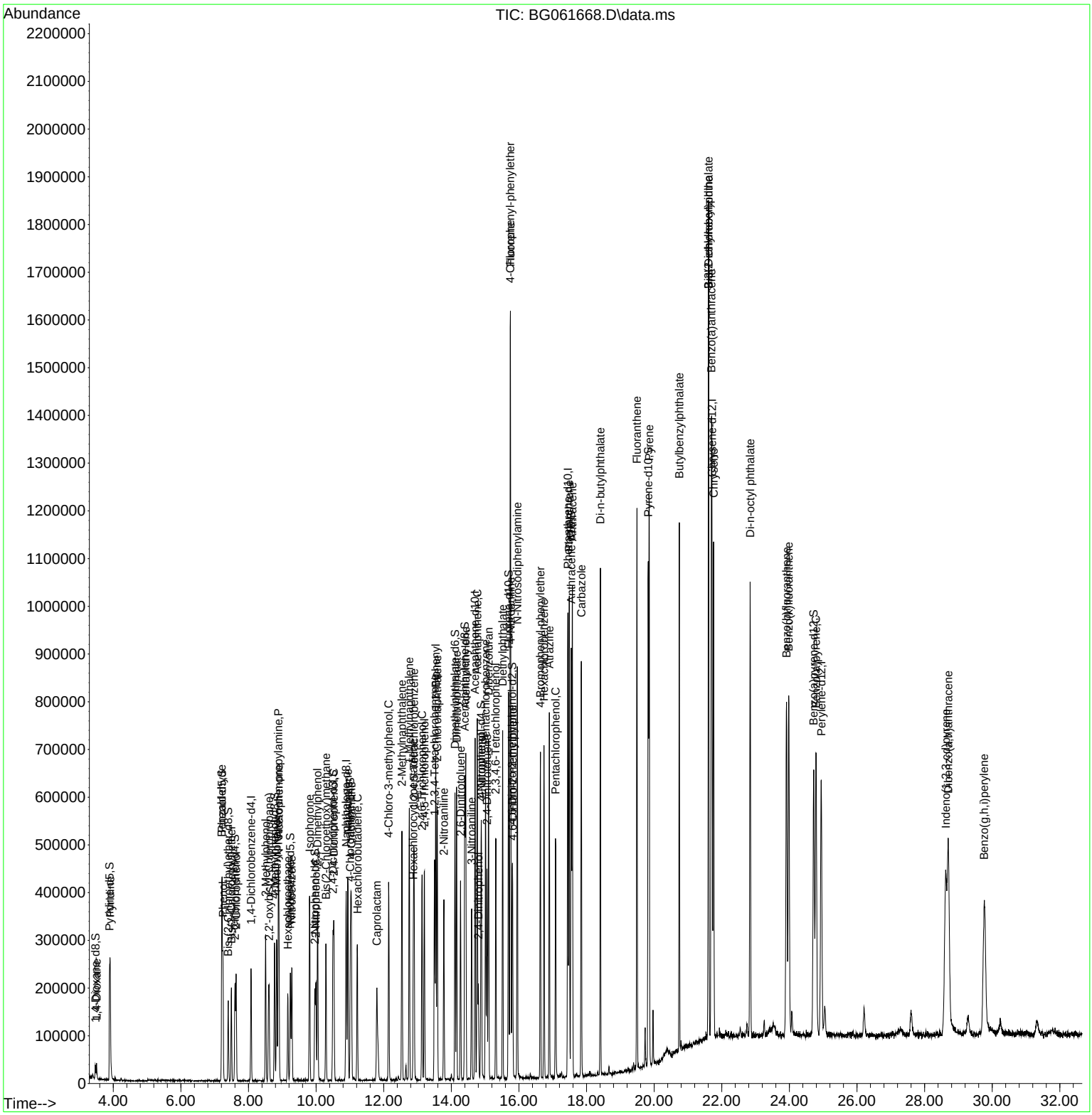
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061668.D
Acq On : 24 Jun 2024 9:37
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 11:28:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020533

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024



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**Manual Integrations APPROVED**

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Supervised By :mohammad ahmed 06/27/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.076 | 152 | 57894 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.890 | 136 | 312558 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.704 | 164 | 240388 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.448 | 188 | 592831 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.713 | 240 | 503434 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.945 | 264 | 571854 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.476 | 96 | 12553 | 7.833 | ng/uL | 0.01 |
| 4) Pyridine-d5 | 3.887 | 84 | 94336 | 19.469 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.218 | 99 | 125403 | 19.953 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.400 | 67 | 77208 | 19.706 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.600 | 132 | 85469 | 19.817 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.769 | 113 | 102157 | 21.026 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.239 | 128 | 45648 | 21.509 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.962 | 143 | 53259 | 24.778 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.497 | 165 | 104485 | 20.529 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.014 | 131 | 154559 | 20.058 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.110 | 166 | 367431 | 19.862 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.398 | 160 | 407393 | 20.095 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.880 | 143 | 66324 | 20.876 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.697 | 176 | 330961 | 20.436 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.802 | 200 | 53063 | 20.932 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.547 | 188 | 537627 | 19.868 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.827 | 212 | 590408 | 20.995 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.721 | 264 | 557903 | 20.427 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.511 | 88 | 12841 | 6.447 | ng/uL | 95 |
| 5) Pyridine | 3.910 | 79 | 99384 | 19.080 | ng/ul | 92 |
| 6) Benzaldehyde | 7.212 | 77 | 72433 | 23.420 | ng/ul | 96 |
| 8) Phenol | 7.248 | 94 | 130726 | 19.766 | ng/ul | 92 |
| 10) Bis(2-Chloroethyl)ether | 7.494 | 93 | 98249 | 19.737 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.635 | 128 | 89099 | 20.592 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.511 | 108 | 94250 | 20.368 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.611 | 45 | 217520 | 21.388 | ng/ul | 97 |
| 16) Acetophenone | 8.899 | 105 | 173282 | 21.659 | ng/ul | 96 |
| 17) N-Nitroso-di-n-propyla... | 8.881 | 70 | 96094 | 22.360 | ng/ul# | 94 |
| 18) 4-Methylphenol | 8.834 | 108 | 109320 | 21.088 | ng/ul | 95 |
| 19) Hexachloroethane | 9.163 | 117 | 34867 | 20.097 | ng/ul# | 88 |
| 22) Nitrobenzene | 9.281 | 77 | 127276 | 20.818 | ng/ul | 95 |
| 23) Isophorone | 9.809 | 82 | 275379 | 19.586 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.997 | 139 | 53598 | 23.847 | ng/ul# | 84 |
| 26) 2,4-Dimethylphenol | 10.044 | 107 | 123684 | 19.676 | ng/ul | 94 |
| 27) Bis(2-Chloroethoxy)met... | 10.291 | 93 | 162370 | 20.414 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.526 | 162 | 96884 | 20.777 | ng/ul | 97 |
| 30) Naphthalene | 10.937 | 128 | 335255 | 19.170 | ng/ul | 98 |
| 32) 4-Chloroaniline | 11.043 | 127 | 151281 | 19.795 | ng/ul | 93 |
| 33) Hexachlorobutadiene | 11.225 | 225 | 63960 | 19.857 | ng/ul | 97 |
| 34) Caprolactam | 11.795 | 113 | 39605 | 20.540 | ng/ul | 90 |
| 35) 4-Chloro-3-methylphenol | 12.148 | 107 | 136376 | 20.914 | ng/ul | 95 |
| 36) 2-Methylnaphthalene | 12.541 | 142 | 247997 | 20.097 | ng/ul | 96 |

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020533

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.759 | 142 | 260020 | 19.748 | ng/ul | 94 |
| 39) 1,2,4,5-Tetrachloroben... | 12.900 | 216 | 136534 | 20.069 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.876 | 237 | 70066 | 17.309 | ng/ul# | 87 |
| 41) 2,4,6-Trichlorophenol | 13.135 | 196 | 93043 | 21.197 | ng/ul | 94 |
| 42) 2,4,5-Trichlorophenol | 13.205 | 196 | 105452 | 22.041 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.540 | 154 | 353952 | 20.327 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.581 | 162 | 263300 | 19.685 | ng/ul | 95 |
| 45) 2-Nitroaniline | 13.781 | 65 | 106900 | 23.346 | ng/ul | 98 |
| 47) Dimethylphthalate | 14.157 | 163 | 359959 | 19.595 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.275 | 165 | 72930 | 23.925 | ng/ul# | 89 |
| 50) Acenaphthylene | 14.428 | 152 | 452989 | 20.017 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.604 | 138 | 71965 | 23.054 | ng/ul# | 91 |
| 52) Acenaphthene | 14.768 | 153 | 314487 | 20.067 | ng/ul | 93 |
| 53) 2,4-Dinitrophenol | 14.804 | 184 | 32109 | 20.728 | ng/ul# | 88 |
| 55) 4-Nitrophenol | 14.892 | 109 | 65831 | 20.065 | ng/ul | 94 |
| 56) Dibenzofuran | 15.103 | 168 | 436636 | 19.909 | ng/ul | 94 |
| 57) 2,4-Dinitrotoluene | 15.056 | 165 | 108689 | 24.021 | ng/ul# | 91 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.315 | 232 | 97077 | 20.694 | ng/ul | 97 |
| 59) Diethylphthalate | 15.520 | 149 | 390275 | 20.628 | ng/ul | 94 |
| 61) Fluorene | 15.749 | 166 | 371813 | 20.485 | ng/ul | 95 |
| 62) 4-Chlorophenyl-phenyle... | 15.744 | 204 | 187172 | 20.773 | ng/ul | 94 |
| 63) 4-Nitroaniline | 15.761 | 138 | 73423 | 22.202 | ng/ul | 94 |
| 66) 4,6-Dinitro-2-methylph... | 15.814 | 198 | 57878 | 20.157 | ng/ul# | 94 |
| 67) N-Nitrosodiphenylamine | 15.955 | 169 | 319110 | 20.815 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.637 | 248 | 129941 | 21.288 | ng/ul | 92 |
| 69) Hexachlorobenzene | 16.742 | 284 | 145909 | 19.697 | ng/ul | 99 |
| 70) Atrazine | 16.901 | 200 | 124855 | 20.390 | ng/ul | 97 |
| 71) Pentachlorophenol | 17.083 | 266 | 86770 | 19.230 | ng/ul | 93 |
| 72) Phenanthrene | 17.489 | 178 | 608636 | 19.515 | ng/ul | 98 |
| 74) Anthracene | 17.583 | 178 | 630160 | 19.758 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.505 | 216 | 132801 | 20.106 | ng/uL | 98 |
| 76) Pentachlorobenzene | 15.015 | 250 | 161108 | 20.312 | ng/uL | 92 |
| 77) Carbazole | 17.847 | 167 | 542459 | 20.032 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.411 | 149 | 694907 | 21.455 | ng/ul | 98 |
| 80) Fluoranthene | 19.492 | 202 | 693951 | 21.268 | ng/ul | 98 |
| 82) Pyrene | 19.856 | 202 | 724897 | 20.894 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.744 | 149 | 299958 | 23.746 | ng/ul | 96 |
| 84) 3,3'-Dichlorobenzidine | 21.607 | 252 | 241553 | 22.692 | ng/ul | 98 |
| 85) Benzo(a)anthracene | 21.695 | 228 | 709241 | 20.070 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.613 | 149 | 443064 | 23.862 | ng/ul | 96 |
| 87) Chrysene | 21.760 | 228 | 668632 | 19.996 | ng/ul | 97 |
| 89) Di-n-octyl phthalate | 22.841 | 149 | 752265 | 24.941 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.916 | 252 | 691831 | 20.126 | ng/ul | 97 |
| 91) Benzo(k)fluoranthene | 23.981 | 252 | 716930 | 20.279 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 24.786 | 252 | 656329 | 19.832 | ng/ul# | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 28.629 | 276 | 834125m | 20.226 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 28.699 | 278 | 687386m | 20.045 | ng/ul | |
| 96) Benzo(g,h,i)perylene | 29.762 | 276 | 643770m | 19.365 | ng/ul | |

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

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Misc :
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Quant Time: Jun 24 11:28:10 2024
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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020533

**Manual Integrations APPROVED**

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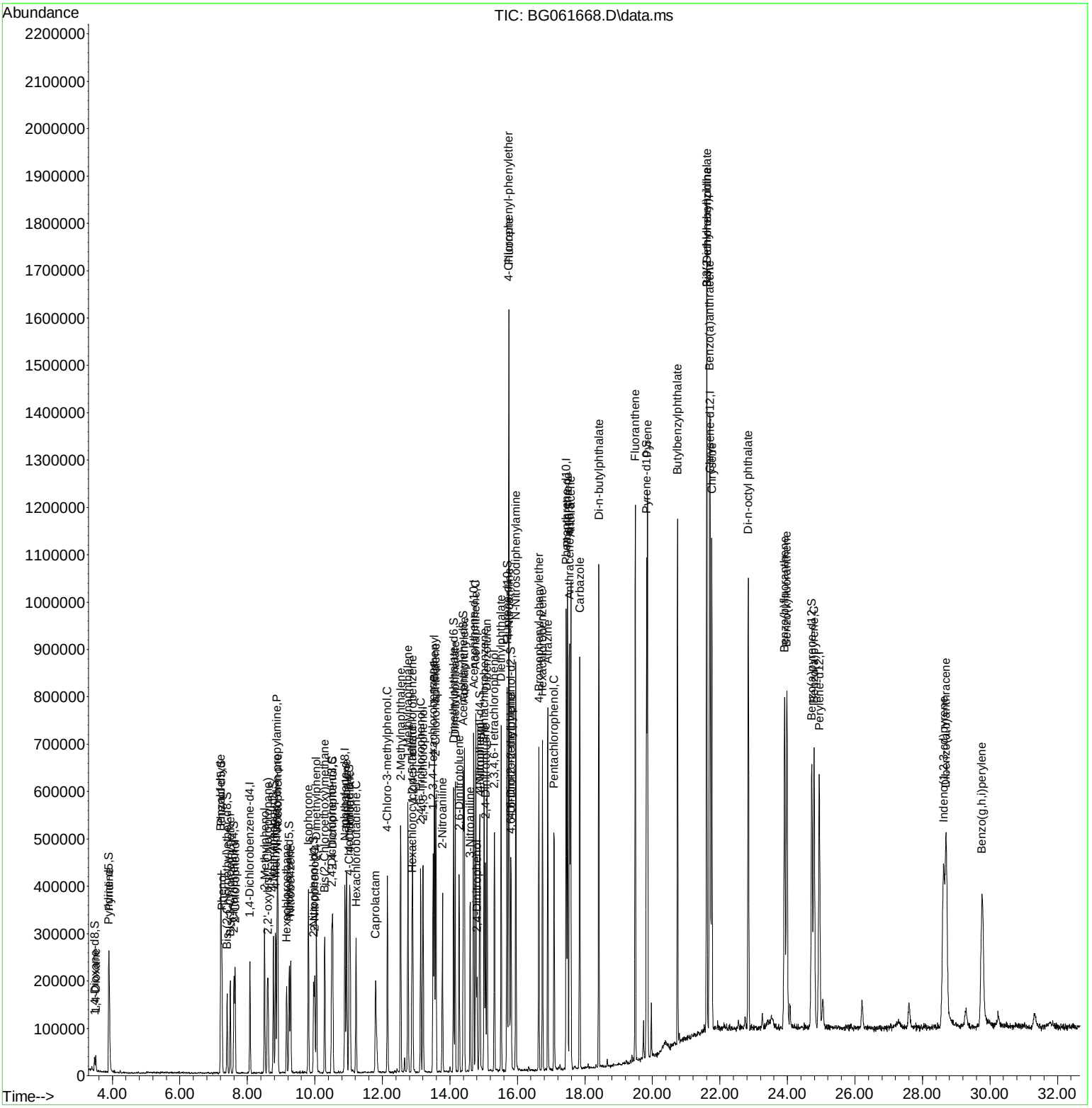
Supervised By :mohammad ahmed 06/27/2024



Quantitation Report (Qedit)

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Acq On : 24 Jun 2024 9:37
Operator : MA/JU
Sample : SSTDCCC020
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Quant Time: Jun 24 11:26:44 2024
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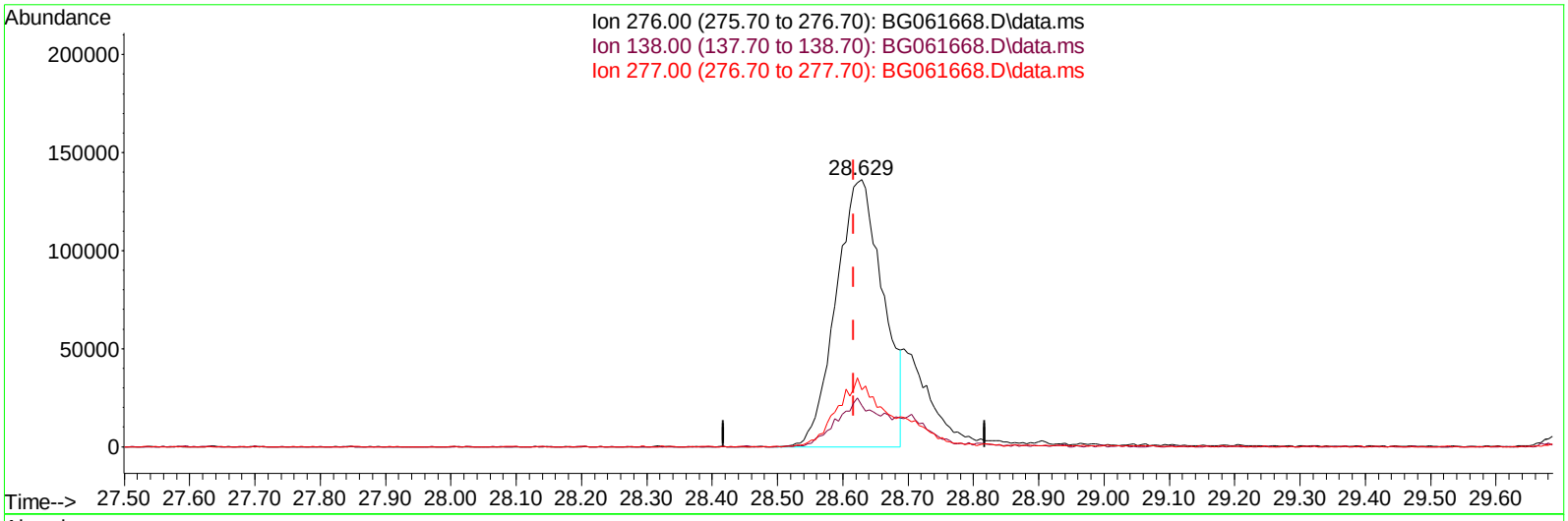


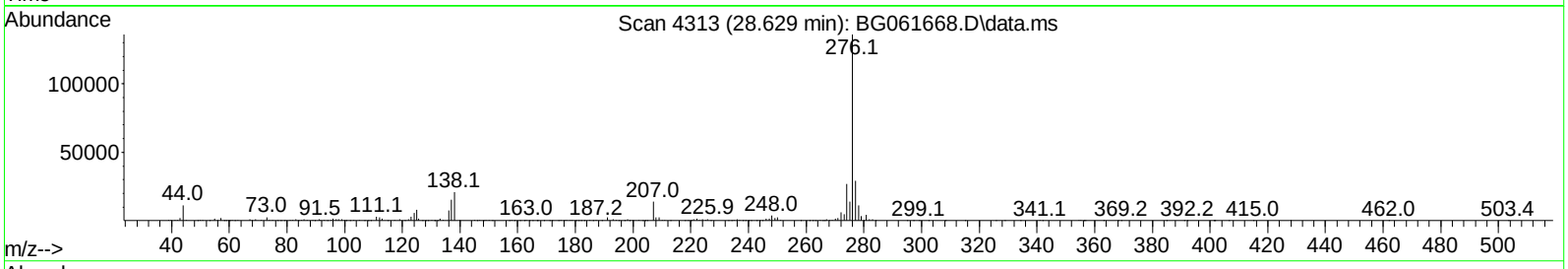


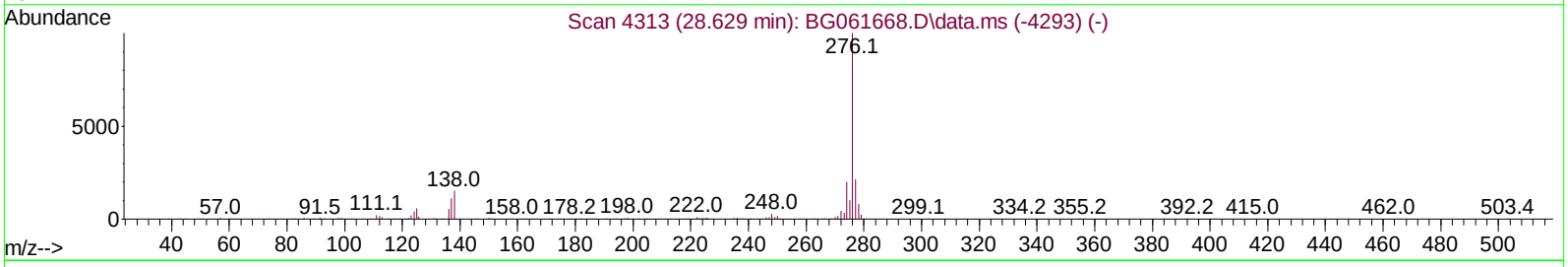


TIC: BG061668.D\data.ms

**(94) Indeno(1,2,3-cd)pyrene**

**28.629min (+ 0.012) 16.42 ng/ul**

**response 677272**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 15.30 | 15.37 |
| 277.00 | 24.60 | 21.47 |
| 0.00 | 0.00 | 0.00 |

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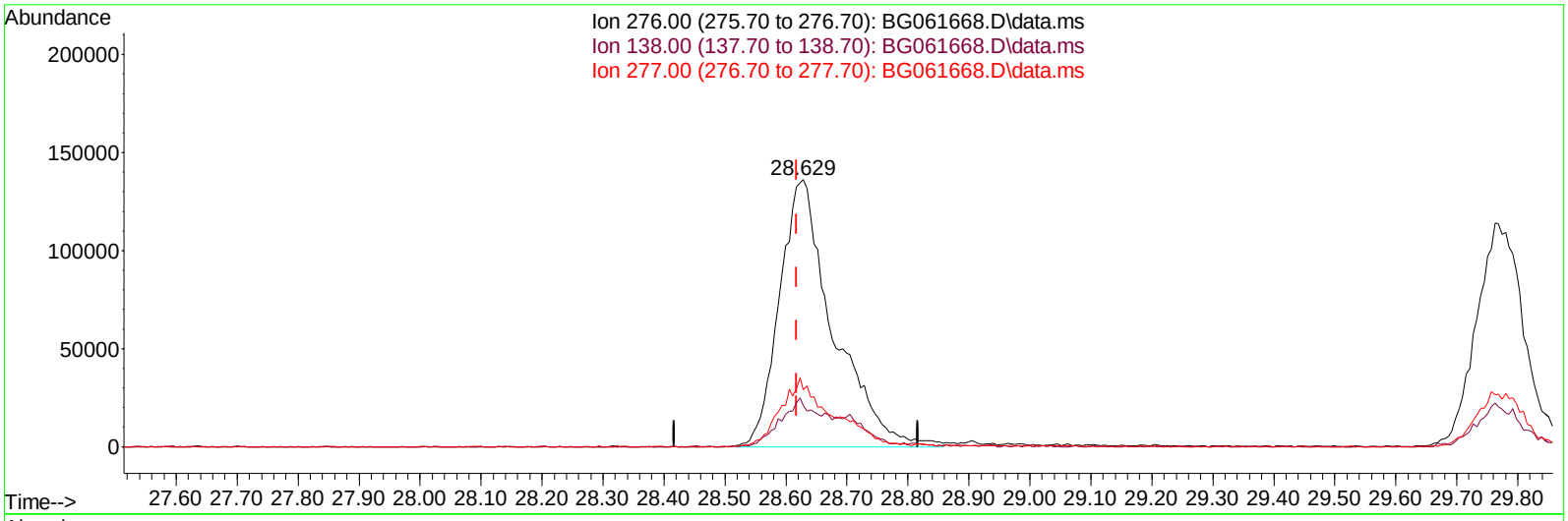


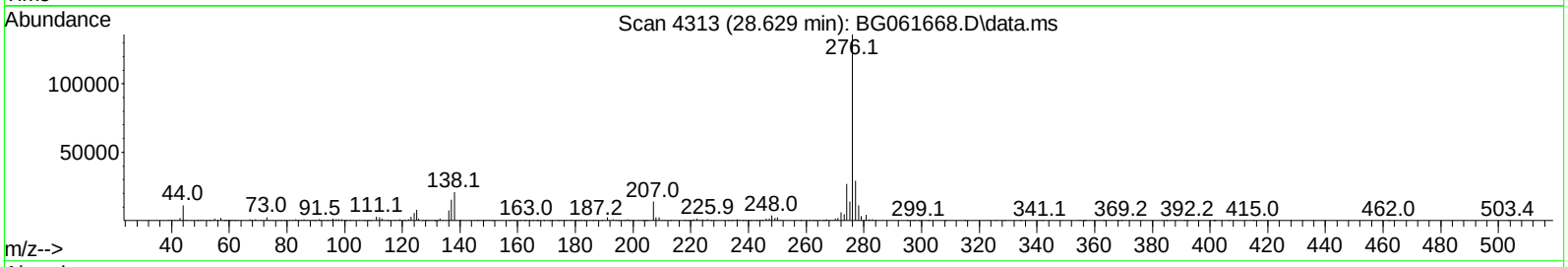


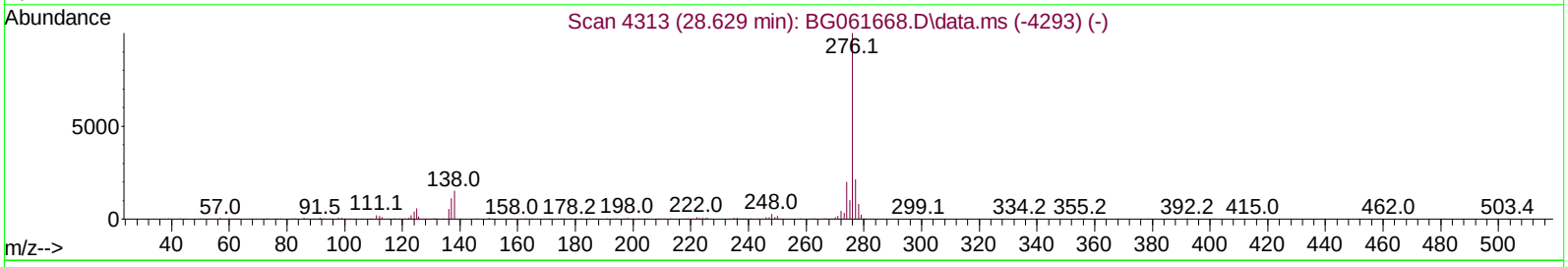


TIC: BG061668.D\data.ms

**(94) Indeno(1,2,3-cd)pyrene**

**28.629min (+ 0.012) 20.23 ng/ul m**

**response 834125**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 15.30 | 15.37 |
| 277.00 | 24.60 | 21.47 |
| 0.00 | 0.00 | 0.00 |

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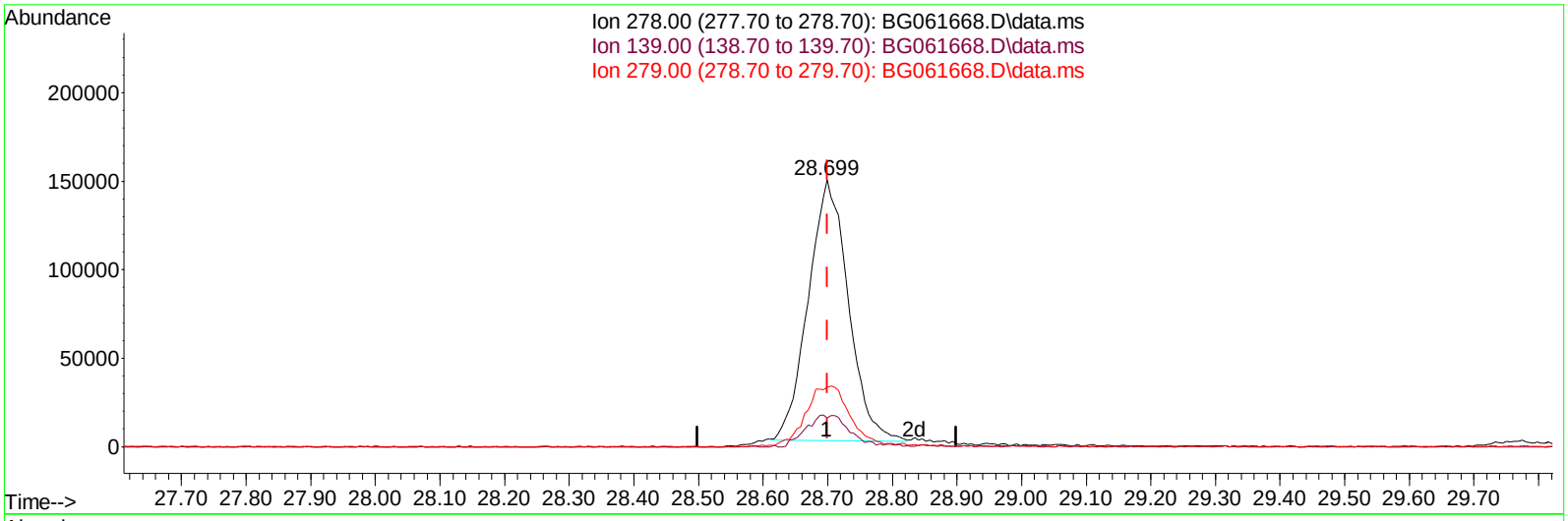


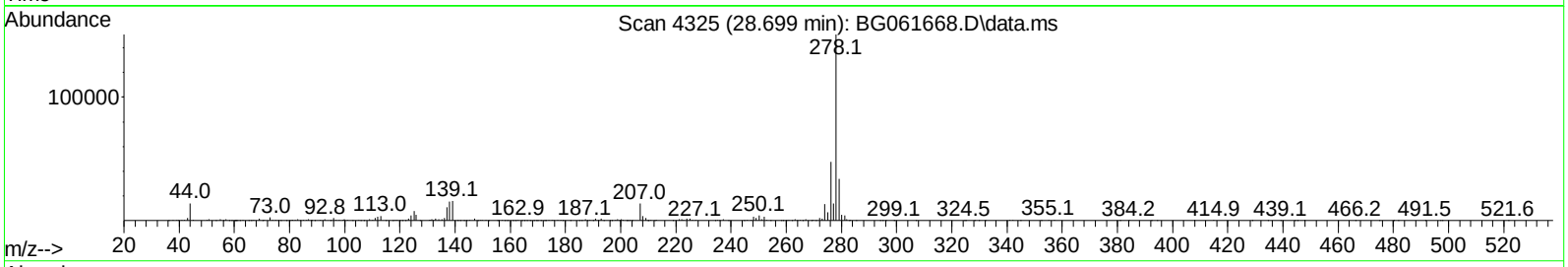


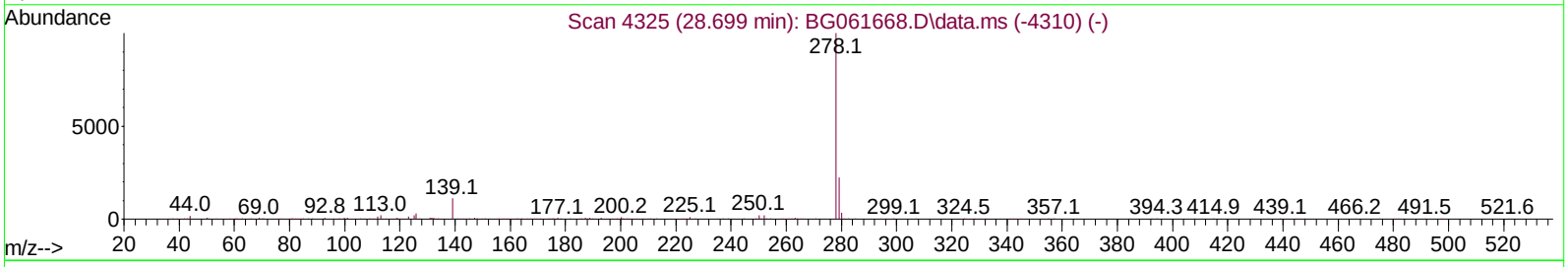


TIC: BG061668.D\data.ms

**(95) Dibenzo(a,h)anthracene**

**28.699min (-0.000) 18.60 ng/ul**

**response 637923**

| Ion | Exp% | Act% |
|---|---|---|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 11.40 | 10.75 |
| 279.00 | 23.30 | 22.37 |
| 0.00 | 0.00 | 0.00 |

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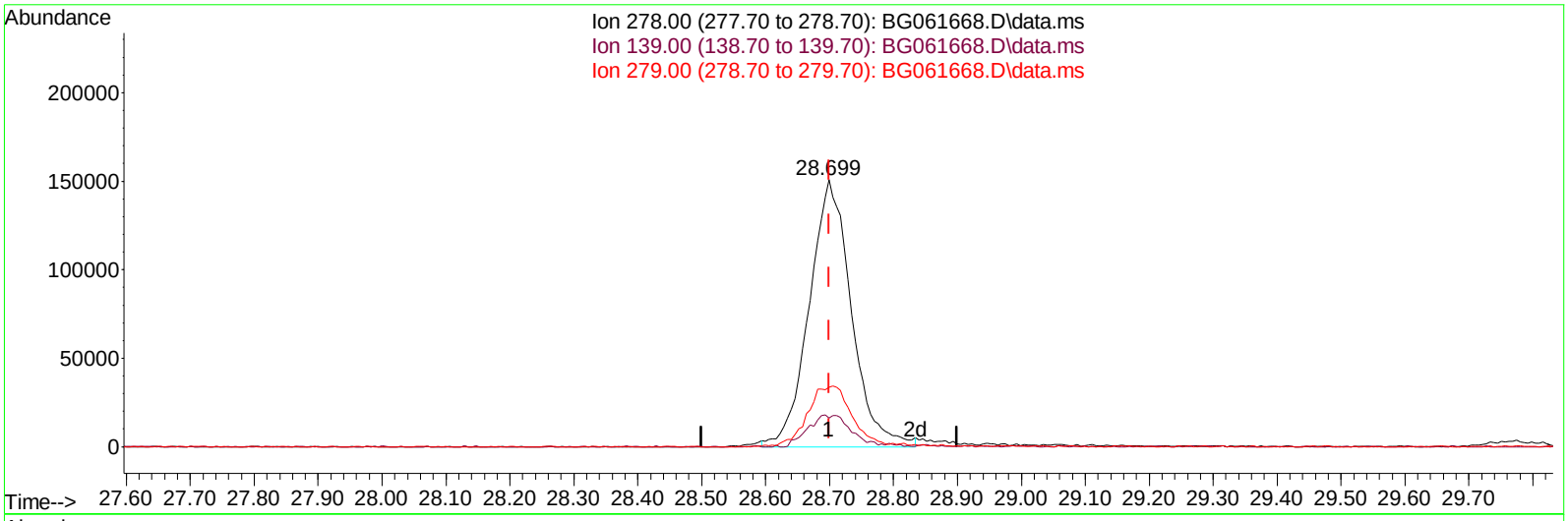


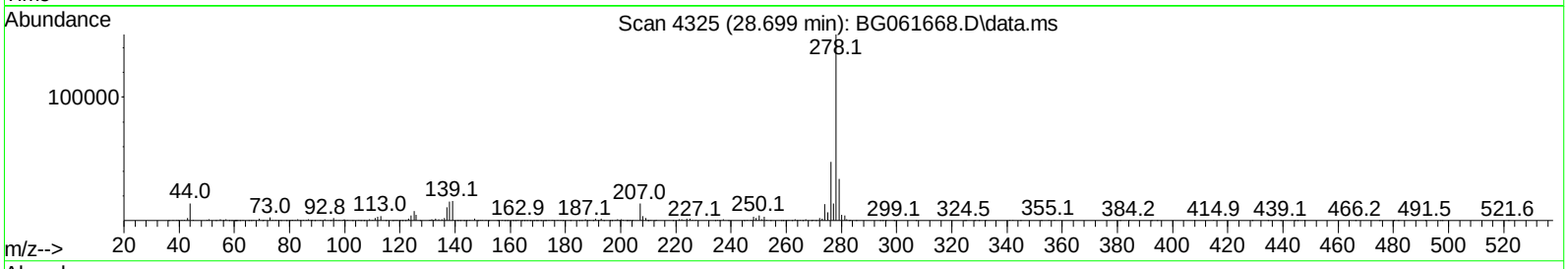


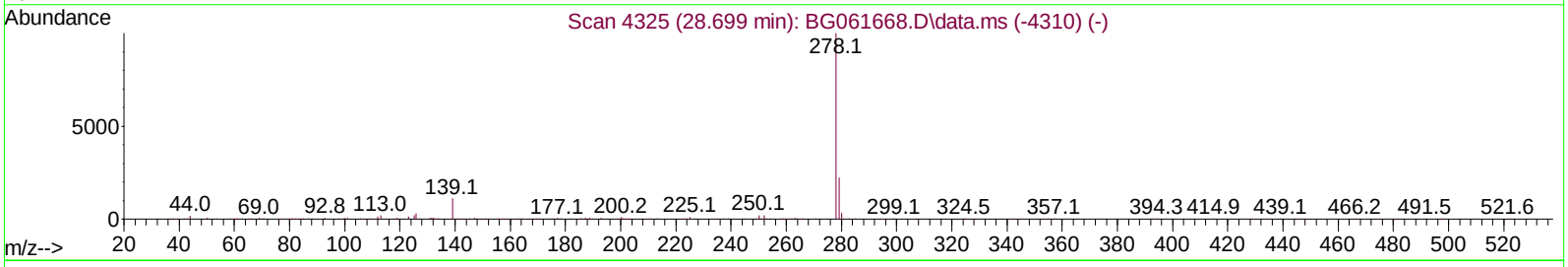


TIC: BG061668.D\data.ms

**(95) Dibenzo(a,h)anthracene**

**28.699min (-0.000) 20.04 ng/ul m**

**response 687386**

| Ion | Exp% | Act% |
|---|---|---|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 11.40 | 10.75 |
| 279.00 | 23.30 | 22.37 |
| 0.00 | 0.00 | 0.00 |

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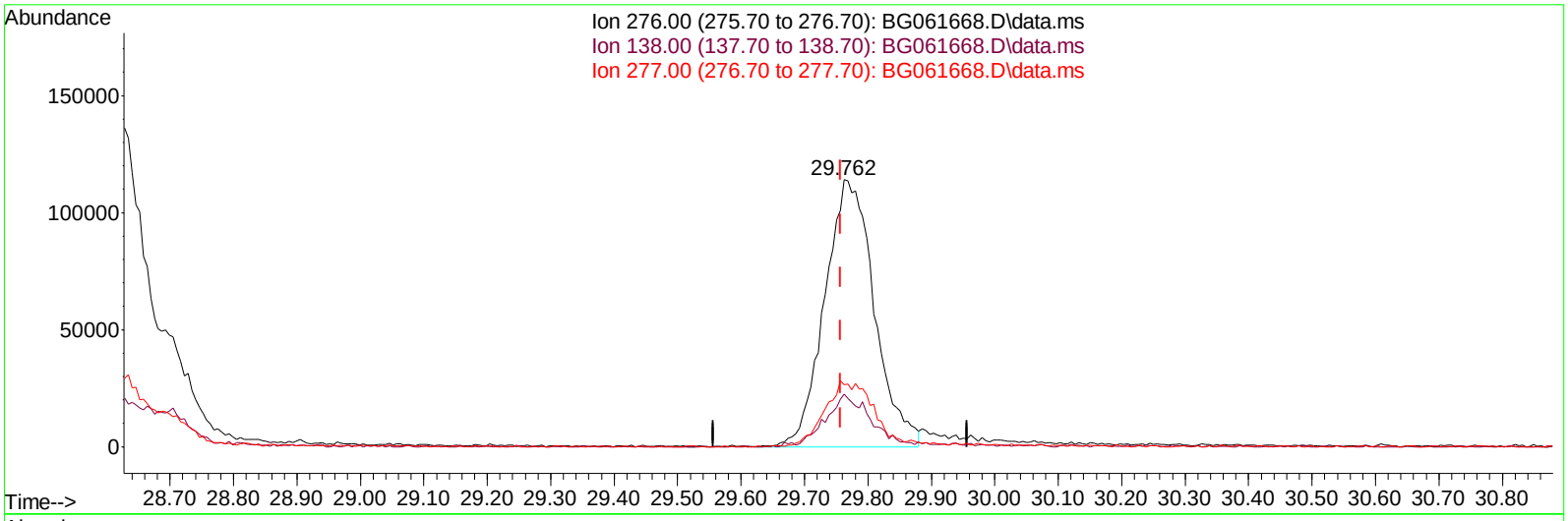
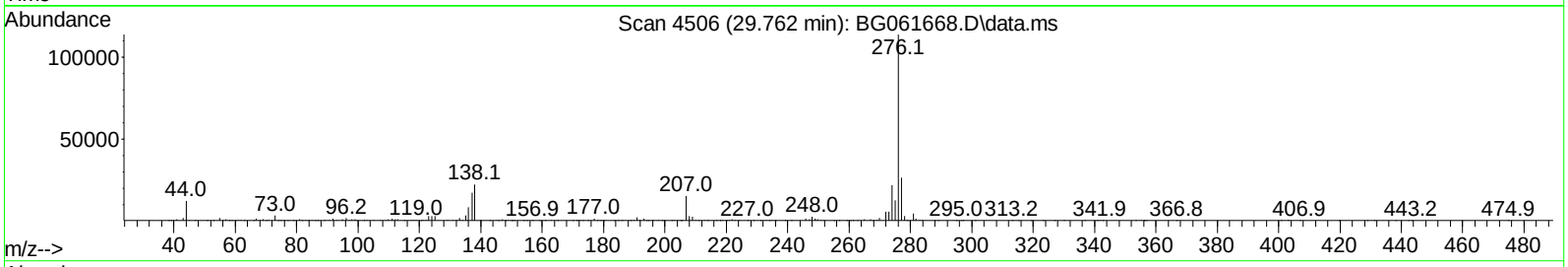
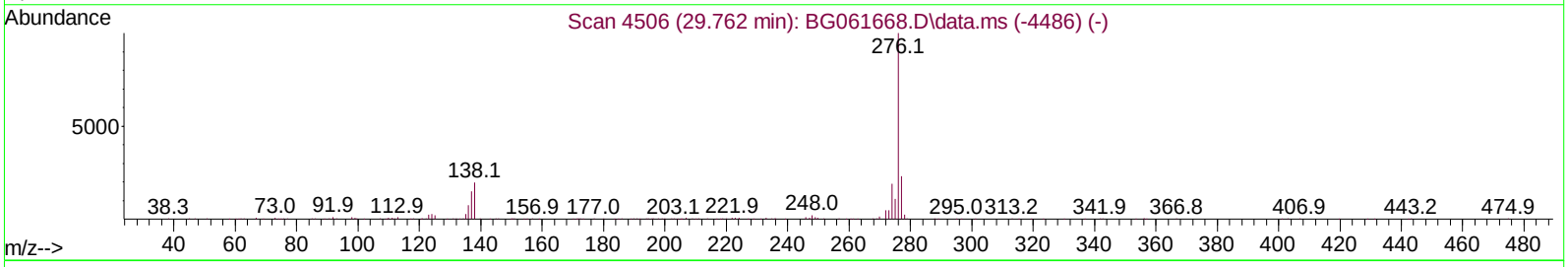
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024




TIC: BG061668.D\data.ms

**(96) Benzo(g,h,i)perylene**

**29.762min (+ 0.006) 18.65 ng/ul**

**response 620069**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 15.30 | 19.59# |
| 277.00 | 23.20 | 23.23 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

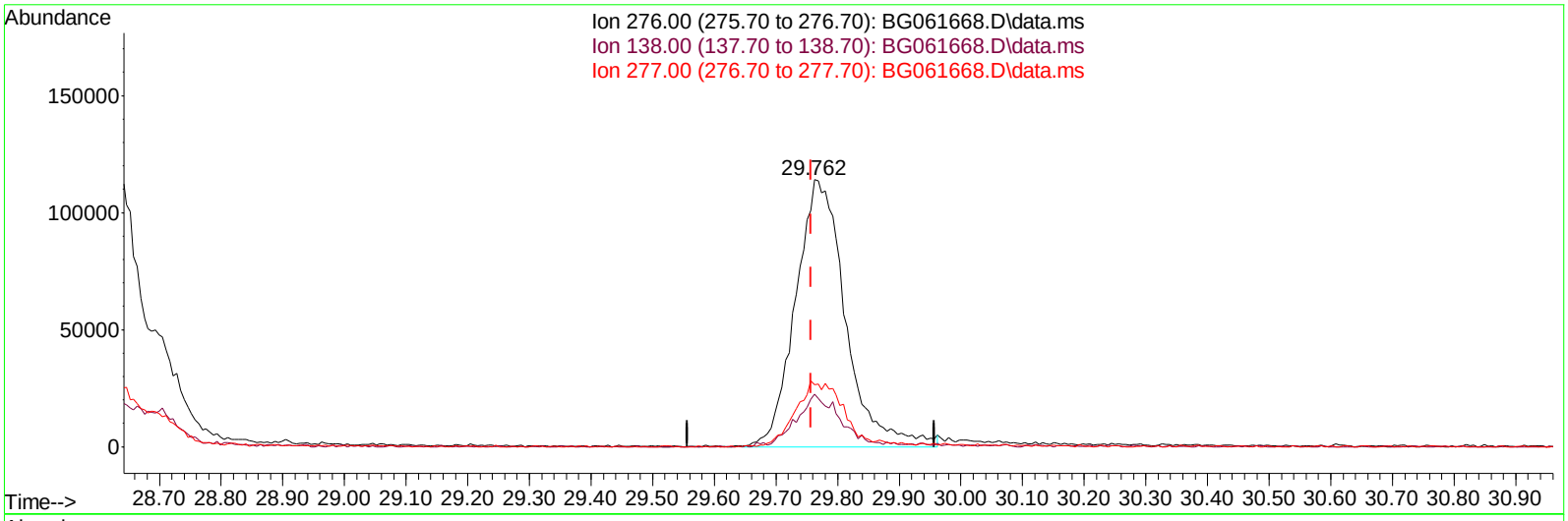
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061668.D
Acq On : 24 Jun 2024 9:37
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

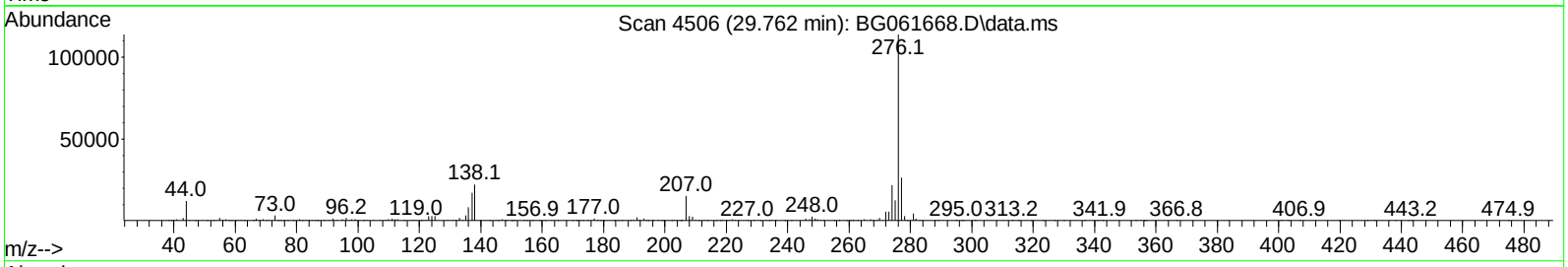
Quant Time: Jun 24 11:26:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration

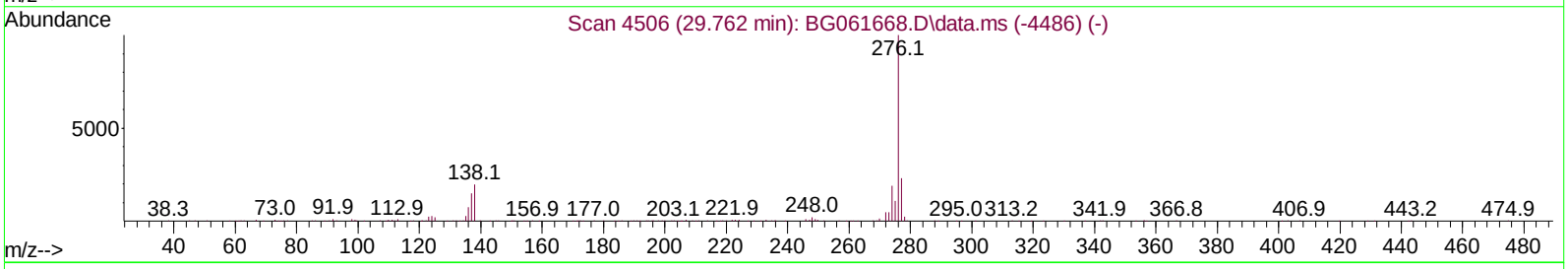
**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020533

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024




TIC: BG061668.D\data.ms

**(96) Benzo(g,h,i)perylene**

**29.762min (+ 0.006) 19.37 ng/ul m**

**response 643770**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 15.30 | 19.59# |
| 277.00 | 23.20 | 23.23 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061668.D
Acq On : 24 Jun 2024 9:37
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 11:28:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020533

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.076 | 152 | 57894 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.890 | 136 | 312558 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.704 | 164 | 240388 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.448 | 188 | 592831 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.713 | 240 | 503434 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.945 | 264 | 571854 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.476 | 96 | 12553 | 7.833 | ng/uL | 0.01 |
| 4) Pyridine-d5 | 3.887 | 84 | 94336 | 19.469 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.218 | 99 | 125403 | 19.953 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.400 | 67 | 77208 | 19.706 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.600 | 132 | 85469 | 19.817 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.769 | 113 | 102157 | 21.026 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.239 | 128 | 45648 | 21.509 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.962 | 143 | 53259 | 24.778 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.497 | 165 | 104485 | 20.529 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.014 | 131 | 154559 | 20.058 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.110 | 166 | 367431 | 19.862 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.398 | 160 | 407393 | 20.095 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.880 | 143 | 66324 | 20.876 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.697 | 176 | 330961 | 20.436 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.802 | 200 | 53063 | 20.932 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.547 | 188 | 537627 | 19.868 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.827 | 212 | 590408 | 20.995 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.721 | 264 | 557903 | 20.427 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.511 | 88 | 12841 | 6.447 | ng/uL | 95 |
| 5) Pyridine | 3.910 | 79 | 99384 | 19.080 | ng/ul | 92 |
| 6) Benzaldehyde | 7.212 | 77 | 72433 | 23.420 | ng/ul | 96 |
| 8) Phenol | 7.248 | 94 | 130726 | 19.766 | ng/ul | 92 |
| 10) Bis(2-Chloroethyl)ether | 7.494 | 93 | 98249 | 19.737 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.635 | 128 | 89099 | 20.592 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.511 | 108 | 94250 | 20.368 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.611 | 45 | 217520 | 21.388 | ng/ul | 97 |
| 16) Acetophenone | 8.899 | 105 | 173282 | 21.659 | ng/ul | 96 |
| 17) N-Nitroso-di-n-propyla... | 8.881 | 70 | 96094 | 22.360 | ng/ul# | 94 |
| 18) 4-Methylphenol | 8.834 | 108 | 109320 | 21.088 | ng/ul | 95 |
| 19) Hexachloroethane | 9.163 | 117 | 34867 | 20.097 | ng/ul# | 88 |
| 22) Nitrobenzene | 9.281 | 77 | 127276 | 20.818 | ng/ul | 95 |
| 23) Isophorone | 9.809 | 82 | 275379 | 19.586 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.997 | 139 | 53598 | 23.847 | ng/ul# | 84 |
| 26) 2,4-Dimethylphenol | 10.044 | 107 | 123684 | 19.676 | ng/ul | 94 |
| 27) Bis(2-Chloroethoxy)met... | 10.291 | 93 | 162370 | 20.414 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.526 | 162 | 96884 | 20.777 | ng/ul | 97 |
| 30) Naphthalene | 10.937 | 128 | 335255 | 19.170 | ng/ul | 98 |
| 32) 4-Chloroaniline | 11.043 | 127 | 151281 | 19.795 | ng/ul | 93 |
| 33) Hexachlorobutadiene | 11.225 | 225 | 63960 | 19.857 | ng/ul | 97 |
| 34) Caprolactam | 11.795 | 113 | 39605 | 20.540 | ng/ul | 90 |
| 35) 4-Chloro-3-methylphenol | 12.148 | 107 | 136376 | 20.914 | ng/ul | 95 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062424\
Data File : BG061668.D
Acq On : 24 Jun 2024 9:37
Operator : MA/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 11:28:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG062024.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 21 05:03:55 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SSTD020533

**Manual Integrations APPROVED**

Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/27/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.541 | 142 | 247997 | 20.097 | ng/ul | 96 |
| 37) 1-Methylnaphthalene | 12.759 | 142 | 260020 | 19.748 | ng/ul | 94 |
| 39) 1,2,4,5-Tetrachloroben... | 12.900 | 216 | 136534 | 20.069 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.876 | 237 | 70066 | 17.309 | ng/ul# | 87 |
| 41) 2,4,6-Trichlorophenol | 13.135 | 196 | 93043 | 21.197 | ng/ul | 94 |
| 42) 2,4,5-Trichlorophenol | 13.205 | 196 | 105452 | 22.041 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.540 | 154 | 353952 | 20.327 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.581 | 162 | 263300 | 19.685 | ng/ul | 95 |
| 45) 2-Nitroaniline | 13.781 | 65 | 106900 | 23.346 | ng/ul | 98 |
| 47) Dimethylphthalate | 14.157 | 163 | 359959 | 19.595 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.275 | 165 | 72930 | 23.925 | ng/ul# | 89 |
| 50) Acenaphthylene | 14.428 | 152 | 452989 | 20.017 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.604 | 138 | 71965 | 23.054 | ng/ul# | 91 |
| 52) Acenaphthene | 14.768 | 153 | 314487 | 20.067 | ng/ul | 93 |
| 53) 2,4-Dinitrophenol | 14.804 | 184 | 32109 | 20.728 | ng/ul# | 88 |
| 55) 4-Nitrophenol | 14.892 | 109 | 65831 | 20.065 | ng/ul | 94 |
| 56) Dibenzofuran | 15.103 | 168 | 436636 | 19.909 | ng/ul | 94 |
| 57) 2,4-Dinitrotoluene | 15.056 | 165 | 108689 | 24.021 | ng/ul# | 91 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.315 | 232 | 97077 | 20.694 | ng/ul | 97 |
| 59) Diethylphthalate | 15.520 | 149 | 390275 | 20.628 | ng/ul | 94 |
| 61) Fluorene | 15.749 | 166 | 371813 | 20.485 | ng/ul | 95 |
| 62) 4-Chlorophenyl-phenyle... | 15.744 | 204 | 187172 | 20.773 | ng/ul | 94 |
| 63) 4-Nitroaniline | 15.761 | 138 | 73423 | 22.202 | ng/ul | 94 |
| 66) 4,6-Dinitro-2-methylph... | 15.814 | 198 | 57878 | 20.157 | ng/ul# | 94 |
| 67) N-Nitrosodiphenylamine | 15.955 | 169 | 319110 | 20.815 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.637 | 248 | 129941 | 21.288 | ng/ul | 92 |
| 69) Hexachlorobenzene | 16.742 | 284 | 145909 | 19.697 | ng/ul | 99 |
| 70) Atrazine | 16.901 | 200 | 124855 | 20.390 | ng/ul | 97 |
| 71) Pentachlorophenol | 17.083 | 266 | 86770 | 19.230 | ng/ul | 93 |
| 72) Phenanthrene | 17.489 | 178 | 608636 | 19.515 | ng/ul | 98 |
| 74) Anthracene | 17.583 | 178 | 630160 | 19.758 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.505 | 216 | 132801 | 20.106 | ng/uL | 98 |
| 76) Pentachlorobenzene | 15.015 | 250 | 161108 | 20.312 | ng/uL | 92 |
| 77) Carbazole | 17.847 | 167 | 542459 | 20.032 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.411 | 149 | 694907 | 21.455 | ng/ul | 98 |
| 80) Fluoranthene | 19.492 | 202 | 693951 | 21.268 | ng/ul | 98 |
| 82) Pyrene | 19.856 | 202 | 724897 | 20.894 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.744 | 149 | 299958 | 23.746 | ng/ul | 96 |
| 84) 3,3'-Dichlorobenzidine | 21.607 | 252 | 241553 | 22.692 | ng/ul | 98 |
| 85) Benzo(a)anthracene | 21.695 | 228 | 709241 | 20.070 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.613 | 149 | 443064 | 23.862 | ng/ul | 96 |
| 87) Chrysene | 21.760 | 228 | 668632 | 19.996 | ng/ul | 97 |
| 89) Di-n-octyl phthalate | 22.841 | 149 | 752265 | 24.941 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.916 | 252 | 691831 | 20.126 | ng/ul | 97 |
| 91) Benzo(k)fluoranthene | 23.981 | 252 | 716930 | 20.279 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 24.786 | 252 | 656329 | 19.832 | ng/ul# | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 28.629 | 276 | 834125m | 20.226 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 28.699 | 278 | 687386m | 20.045 | ng/ul | |
| 96) Benzo(g,h,i)perylene | 29.762 | 276 | 643770m | 19.365 | ng/ul | |

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