Quantitation Report (Qedit)

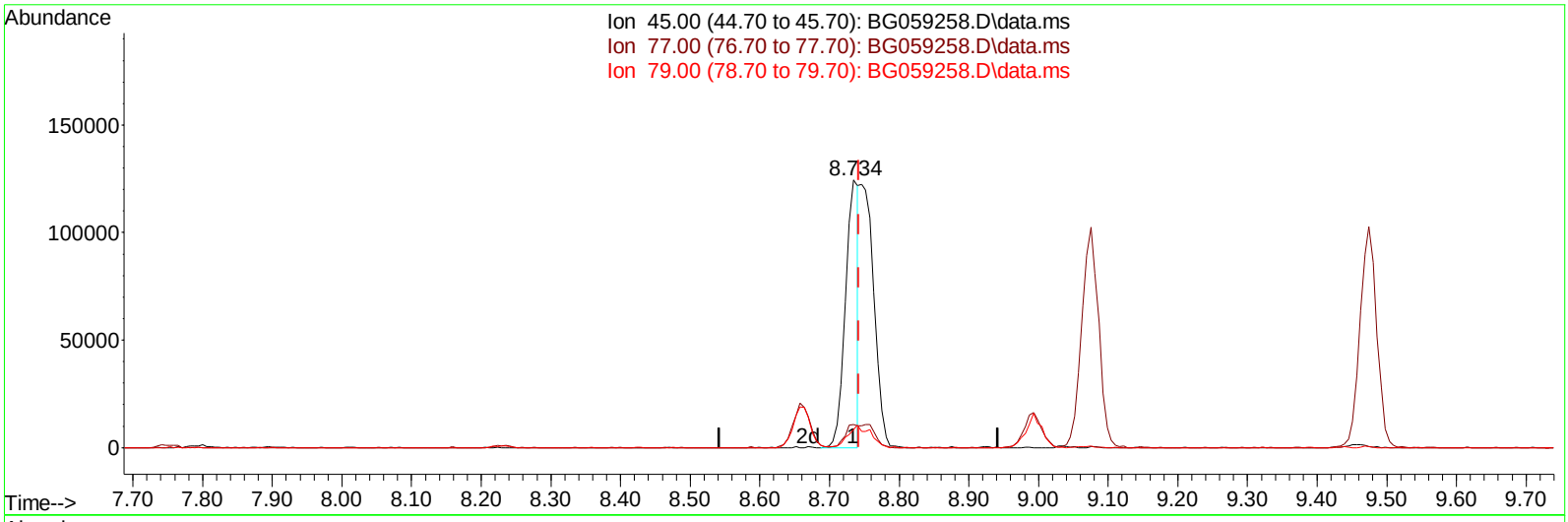
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092823\
Data File : BG059258.D
Acq On : 29 Sep 2023 7:54
Operator : MA/JU
Sample : 04480-18MS
Misc :
ALS Vial : 35 Sample Multiplier: 1

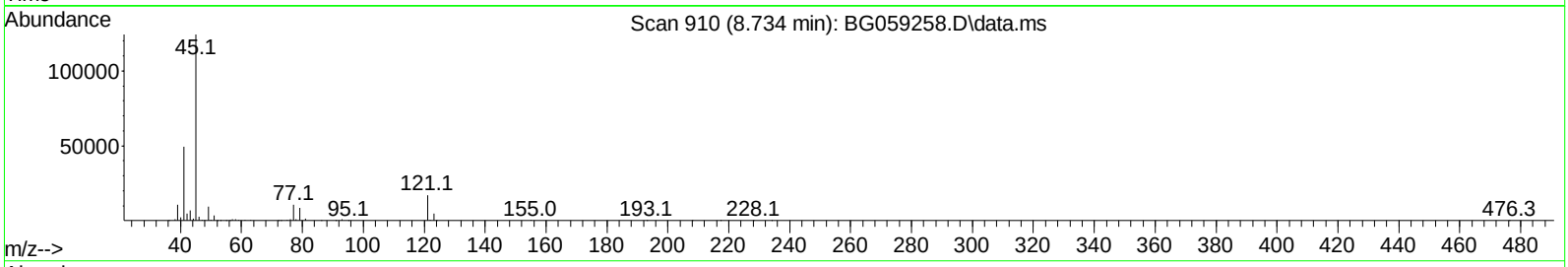
Quant Time: Sep 29 08:47:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:33:25 2023
Response via : Initial Calibration

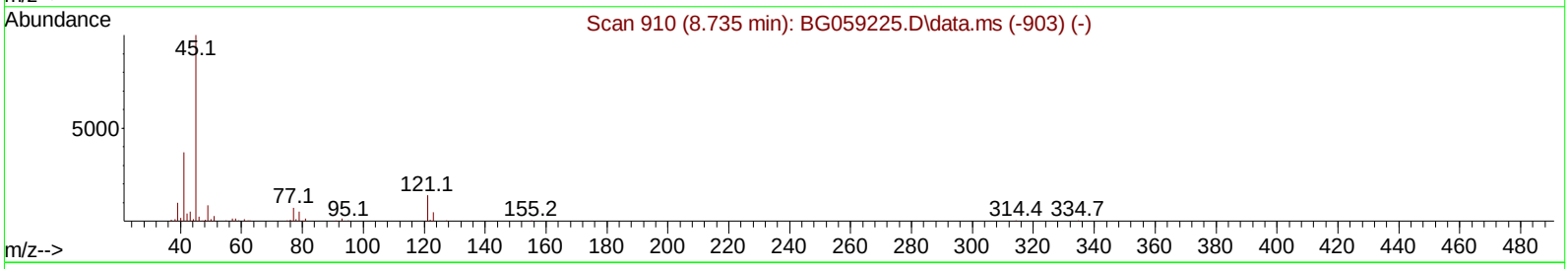
**Instrument :**
BNA_G
**ClientSampleId :**
BBJN2MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 09/30/2023




TIC: BG059258.D\data.ms

**(14) 2,2'-oxybis(1-Chloropropane)**

**8.734min (-0.008) 22.12 ng/ul**

**response 163063**

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 8.20 | 8.63 |
| 79.00 | 7.40 | 6.84 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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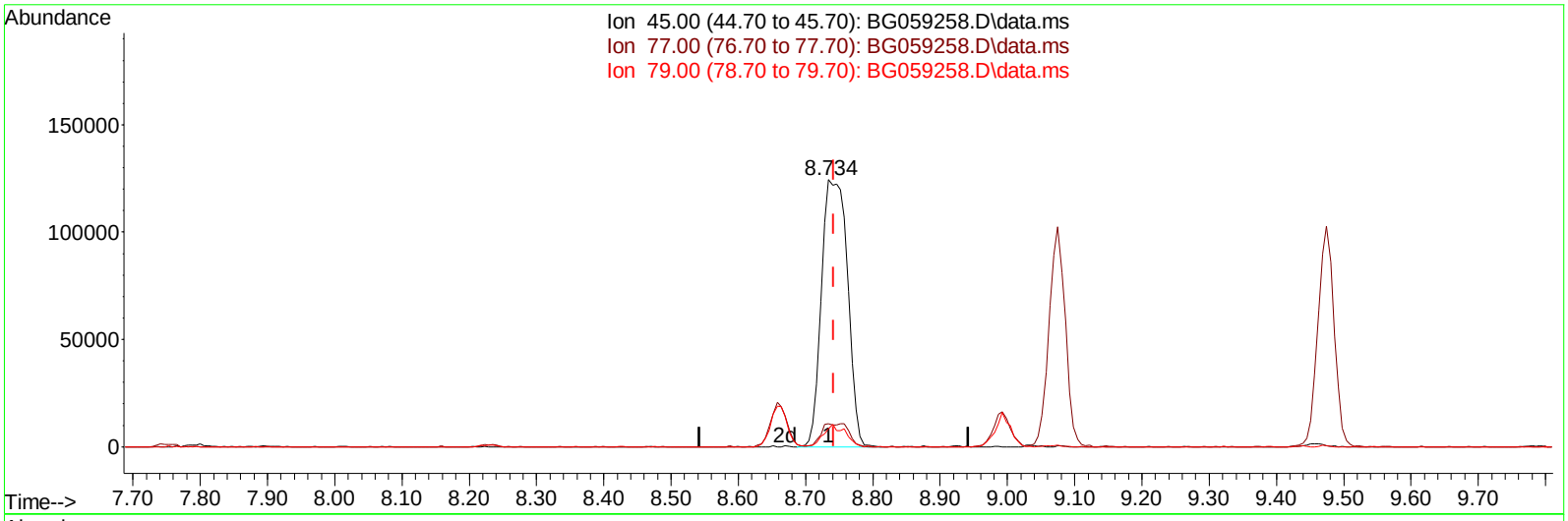
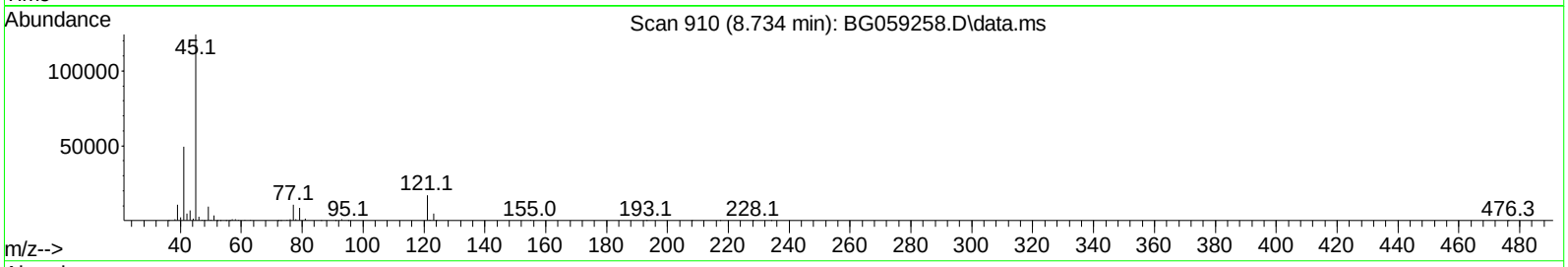
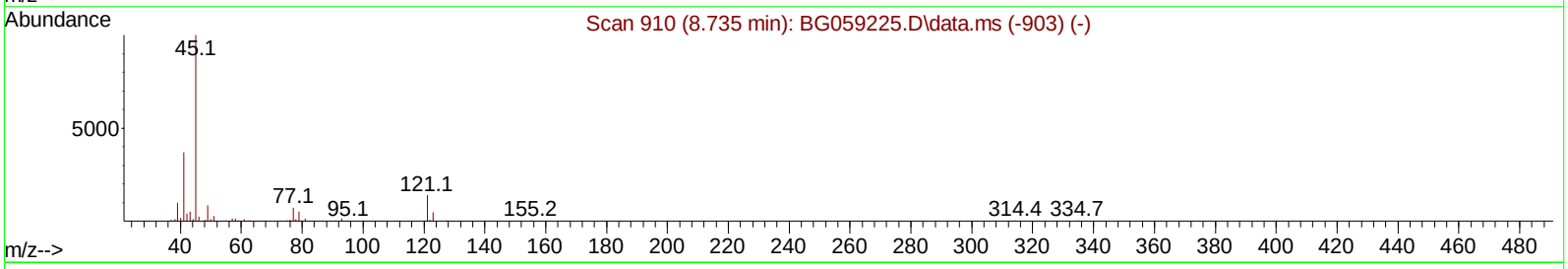
**Instrument :**
BNA_G
**ClientSampleId :**
BBJN2MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 09/30/2023




TIC: BG059258.D\data.ms

**(14) 2,2'-oxybis(1-Chloropropane)**

**8.734min (-0.008) 45.28 ng/ul m**

**response 333814**

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 8.20 | 8.63 |
| 79.00 | 7.40 | 6.84 |
| 0.00 | 0.00 | 0.00 |

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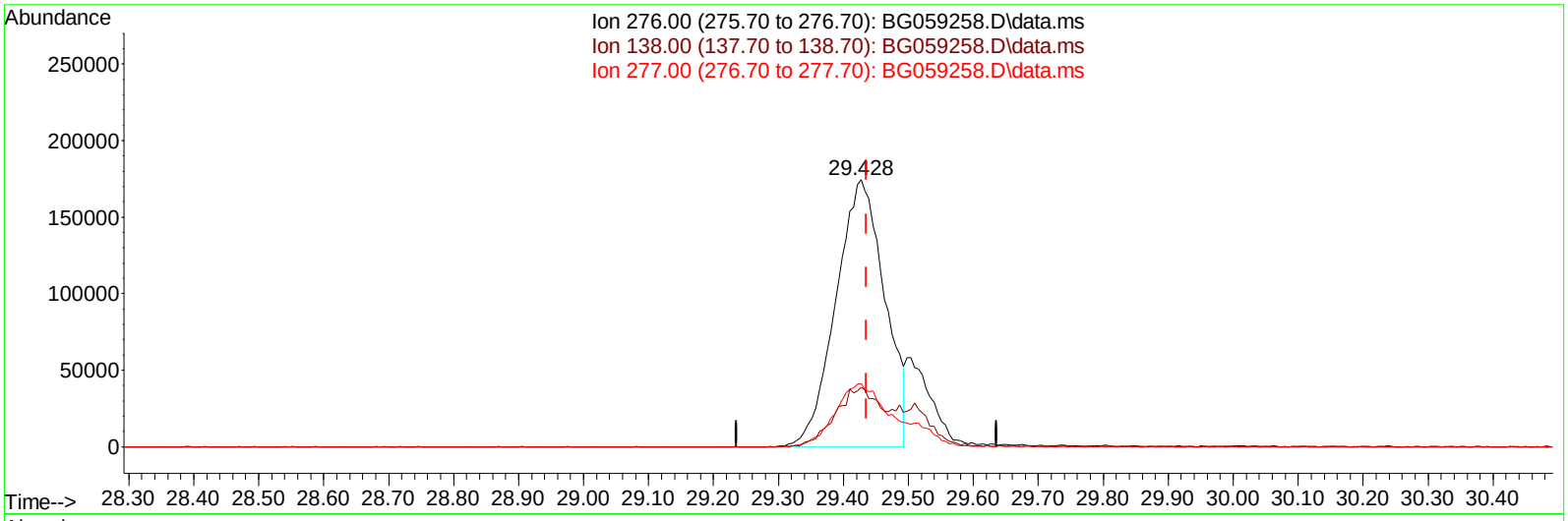
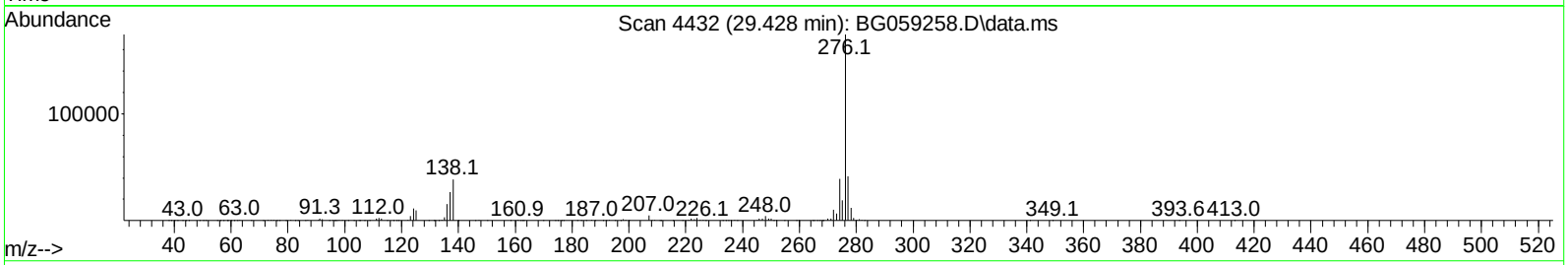
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:33:25 2023
Response via : Initial Calibration

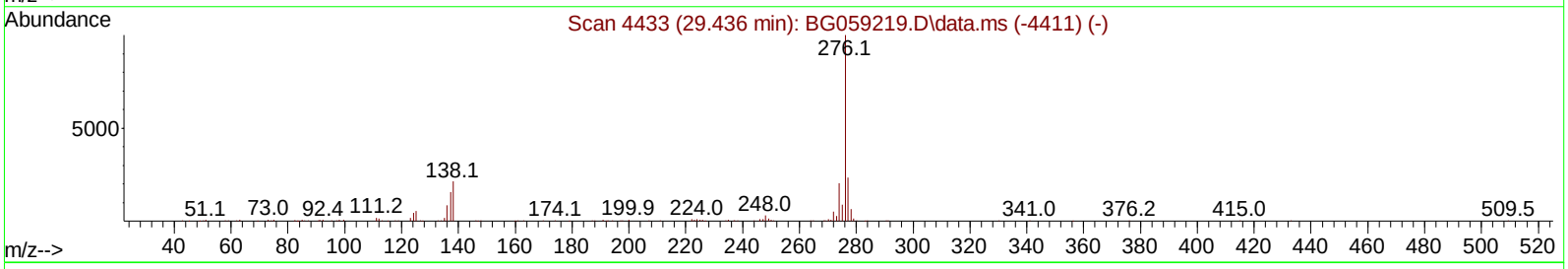
**Instrument :**
BNA_G
**ClientSampleId :**
BBJN2MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 09/30/2023




TIC: BG059258.D\data.ms

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

**29.428min (-0.008) 49.76 ng/ul**

**response 910133**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 21.30 | 22.20 |
| 277.00 | 23.30 | 23.68 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092823\
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Operator : MA/JU
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ALS Vial : 35 Sample Multiplier: 1

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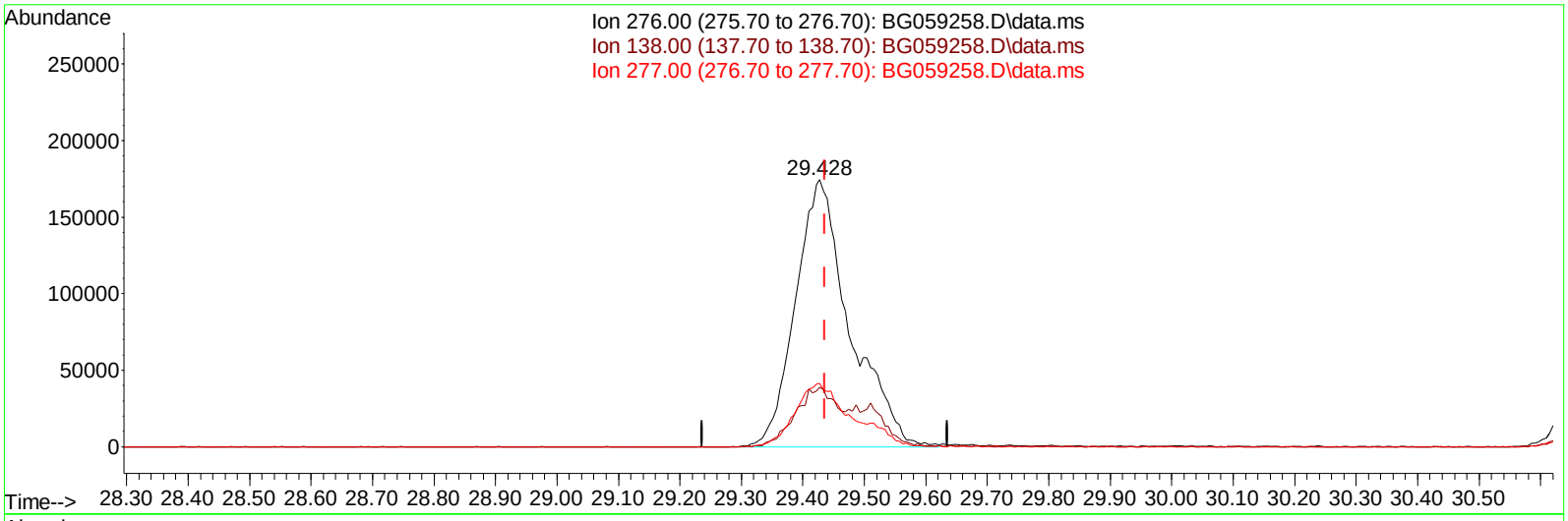
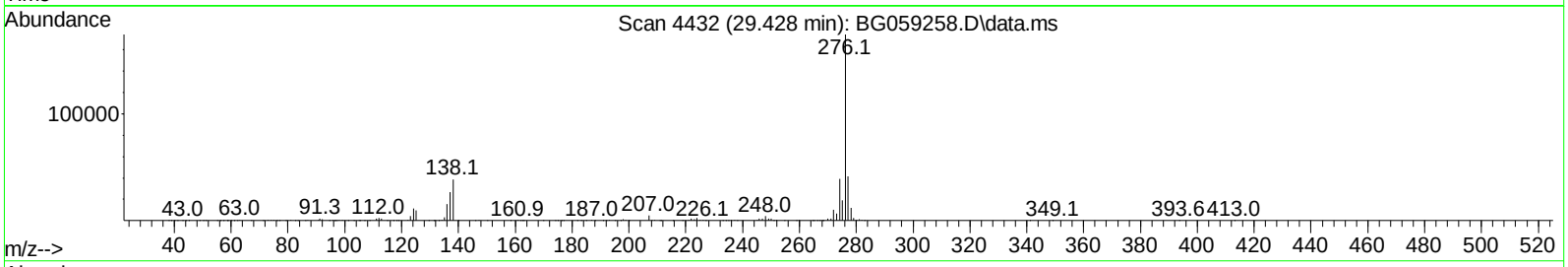
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:33:25 2023
Response via : Initial Calibration

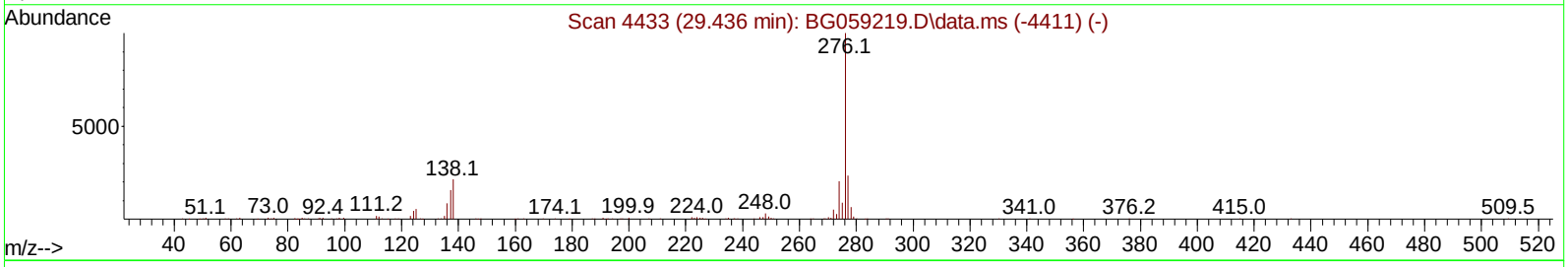
**Instrument :**
BNA_G
**ClientSampleId :**
BBJN2MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 09/30/2023




TIC: BG059258.D\data.ms

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

**29.428min (-0.008) 58.46 ng/ul m**

**response 1069268**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 21.30 | 22.20 |
| 277.00 | 23.30 | 23.68 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

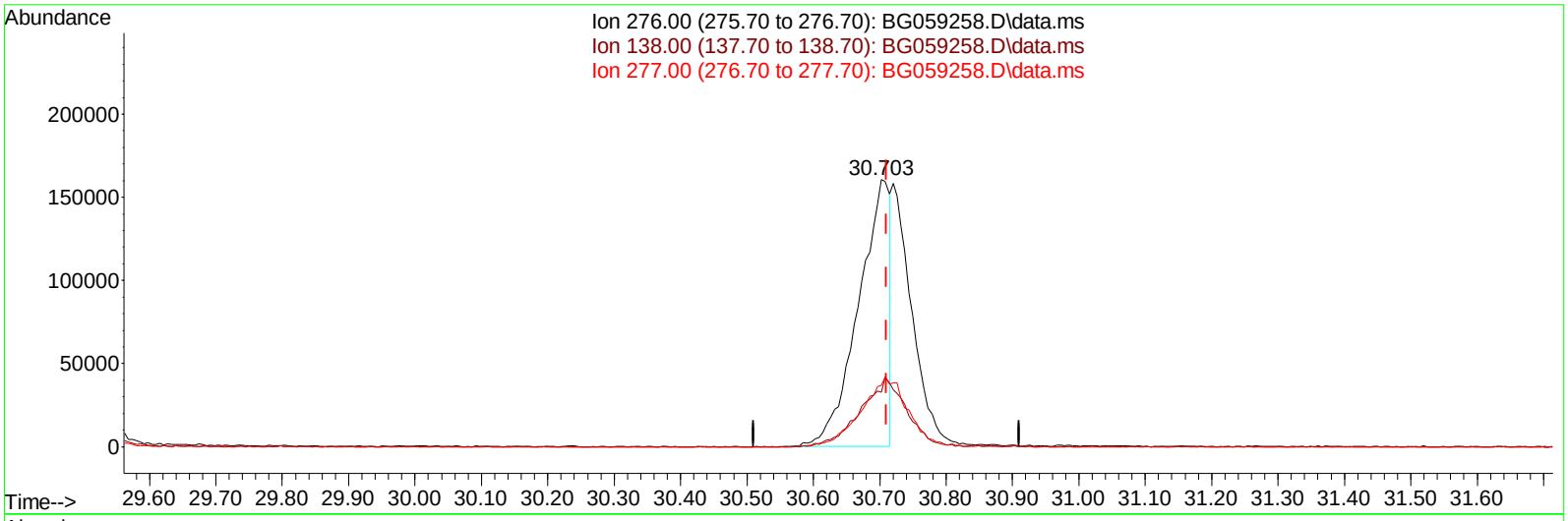
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092823\
Data File : BG059258.D
Acq On : 29 Sep 2023 7:54
Operator : MA/JU
Sample : 04480-18MS
Misc :
ALS Vial : 35 Sample Multiplier: 1

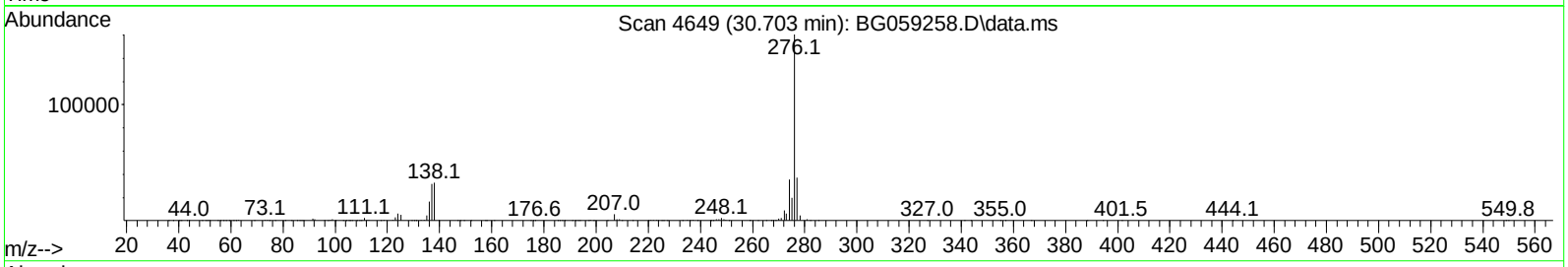
Quant Time: Sep 29 08:47:34 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:33:25 2023
Response via : Initial Calibration

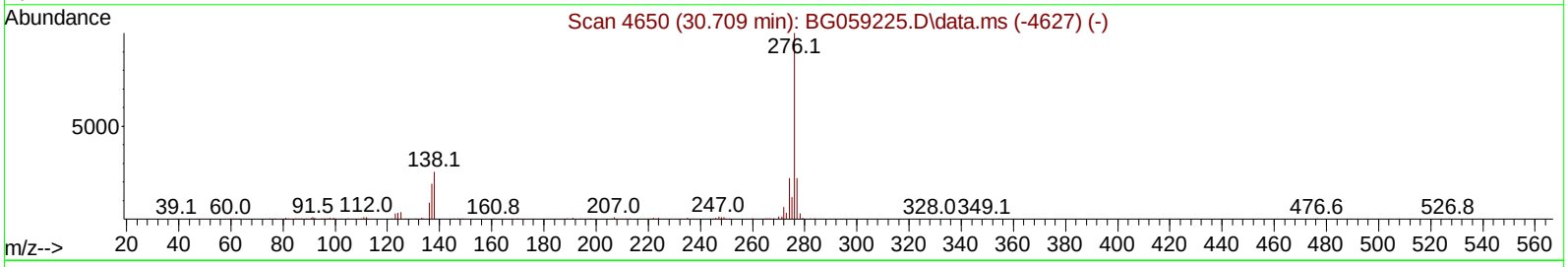
**Instrument :**
BNA_G
**ClientSampleId :**
BBJN2MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 09/30/2023




TIC: BG059258.D\data.ms

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

**30.703min (-0.008) 35.06 ng/ul**

**response 521458**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 20.80 | 20.35 |
| 277.00 | 25.00 | 23.07 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092823\
Data File : BG059258.D
Acq On : 29 Sep 2023 7:54
Operator : MA/JU
Sample : 04480-18MS
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 29 08:47:34 2023
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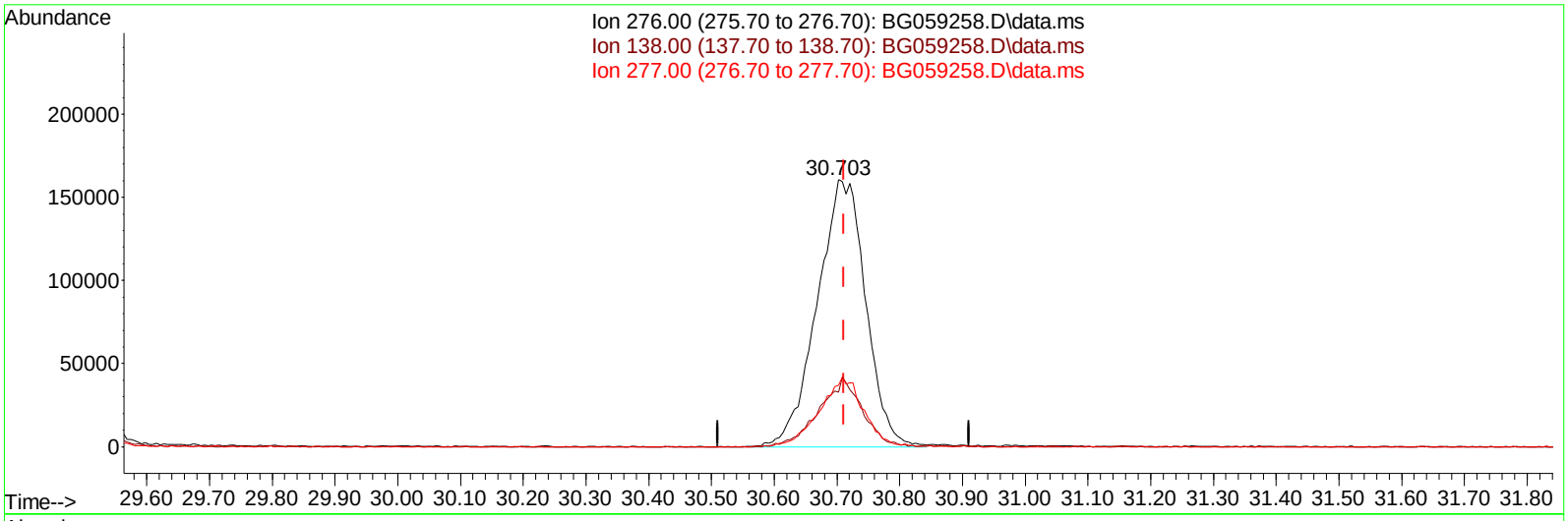
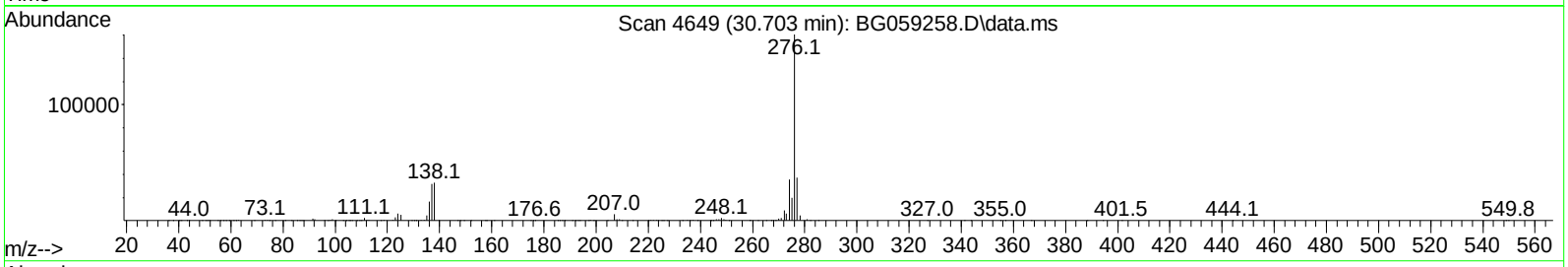
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:33:25 2023
Response via : Initial Calibration

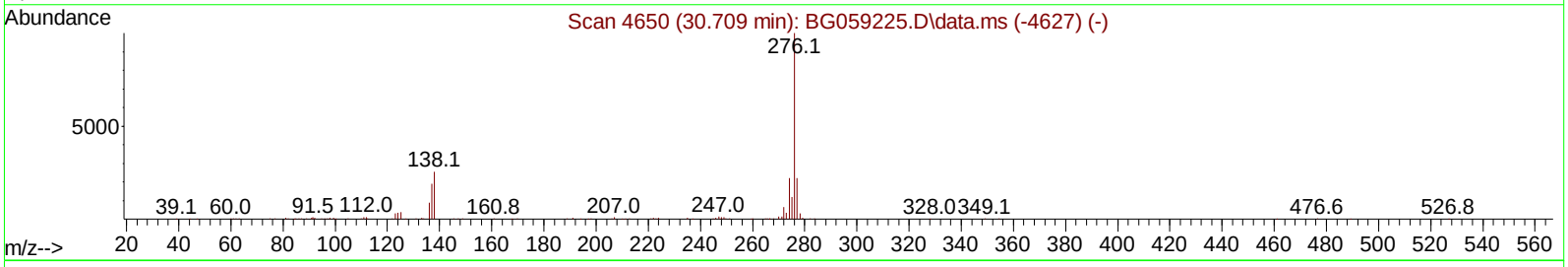
**Instrument :**
BNA_G
**ClientSampleId :**
BBJN2MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 09/30/2023




TIC: BG059258.D\data.ms

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

**30.703min (-0.008) 57.99 ng/ul m**

**response 862336**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 20.80 | 20.35 |
| 277.00 | 25.00 | 23.07 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092823\
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Acq On : 29 Sep 2023 7:54
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:33:25 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
BBJN2MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 09/30/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.229 | 152 | 40832 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.073 | 136 | 195608 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.868 | 164 | 123505 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.612 | 188 | 270255 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.919 | 240 | 240212 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.403 | 264 | 278085 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.529 | 96 | 5191 | 4.798 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.963 | 84 | 36712 | 11.630 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.359 | 99 | 49332 | 12.070 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.553 | 67 | 117145 | 44.867 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.747 | 132 | 110946 | 40.381 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.928 | 113 | 78237 | 24.763 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.427 | 128 | 72164 | 52.280 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.150 | 143 | 73936 | 54.563 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.679 | 165 | 129538 | 46.535 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.219 | 131 | 74665 | 16.578 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.263 | 166 | 497288 | 55.691 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.569 | 160 | 568393 | 50.713 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 15.056 | 143 | 22879 | 14.673 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.855 | 176 | 451403 | 53.114 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.967 | 200 | 82356 | 59.284 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.718 | 188 | 670534 | 54.452 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.992 | 212 | 767292 | 57.039 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 25.156 | 264 | 757489 | 56.684 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.570 | 88 | 9414 | 7.406 | ng/uL# | 63 |
| 5) Pyridine | 3.987 | 79 | 38234 | 11.927 | ng/ul# | 91 |
| 6) Benzaldehyde | 7.377 | 77 | 113498 | 63.234 | ng/ul | 97 |
| 8) Phenol | 7.389 | 94 | 52854 | 13.000 | ng/ul | 93 |
| 10) Bis(2-Chloroethyl)ether | 7.647 | 93 | 160085 | 48.007 | ng/ul | 94 |
| 12) 2-Chlorophenol | 7.782 | 128 | 113010 | 39.012 | ng/ul | 96 |
| 13) 2-Methylphenol | 8.664 | 108 | 87923 | 28.622 | ng/ul | 94 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.734 | 45 | 333814m | 45.283 | ng/ul | |
| 16) Acetophenone | 9.075 | 105 | 228753 | 46.750 | ng/ul | 96 |
| 17) N-Nitroso-di-n-propyla... | 9.040 | 70 | 113713 | 45.815 | ng/ul# | 97 |
| 18) 4-Methylphenol | 8.993 | 108 | 82987 | 25.497 | ng/ul | 89 |
| 19) Hexachloroethane | 9.316 | 117 | 54621 | 47.862 | ng/ul | 98 |
| 22) Nitrobenzene | 9.474 | 77 | 171908 | 50.452 | ng/ul | 97 |
| 23) Isophorone | 9.980 | 82 | 361577 | 49.347 | ng/ul | 99 |
| 25) 2-Nitrophenol | 10.180 | 139 | 77278 | 51.759 | ng/ul# | 88 |
| 26) 2,4-Dimethylphenol | 10.209 | 107 | 90975 | 28.497 | ng/ul | 96 |
| 27) Bis(2-Chloroethoxy)met... | 10.462 | 93 | 222739 | 48.179 | ng/ul | 96 |
| 29) 2,4-Dichlorophenol | 10.702 | 162 | 132564 | 47.908 | ng/ul | 93 |
| 30) Naphthalene | 11.125 | 128 | 516928 | 49.288 | ng/ul | 95 |
| 32) 4-Chloroaniline | 11.243 | 127 | 76740 | 17.819 | ng/ul | 91 |
| 33) Hexachlorobutadiene | 11.355 | 225 | 86683 | 46.808 | ng/ul | 93 |
| 34) Caprolactam | 12.036 | 113 | 8769 | 9.159 | ng/ul | 86 |
| 35) 4-Chloro-3-methylphenol | 12.318 | 107 | 135388 | 45.857 | ng/ul | 94 |

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**Instrument :**
BNA_G
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BBJN2MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 09/30/2023

| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.712 | 142 | 335814 | 48.877 ng/ul | 97 |
| 37) 1-Methylnaphthalene | 12.929 | 142 | 337171 | 48.352 ng/ul | 98 |
| 39) 1,2,4,5-Tetrachloroben... | 13.053 | 216 | 173885 | 47.027 ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 13.012 | 237 | 87466 | 38.348 ng/ul# | 87 |
| 41) 2,4,6-Trichlorophenol | 13.299 | 196 | 117027 | 51.695 ng/ul# | 77 |
| 42) 2,4,5-Trichlorophenol | 13.370 | 196 | 125159 | 52.689 ng/ul | 98 |
| 43) 1,1'-Biphenyl | 13.705 | 154 | 489507 | 49.076 ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.758 | 162 | 378521 | 50.403 ng/ul | 98 |
| 45) 2-Nitroaniline | 13.975 | 65 | 131803 | 62.221 ng/ul | 97 |
| 47) Dimethylphthalate | 14.310 | 163 | 511423 | 55.918 ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.457 | 165 | 102954 | 66.184 ng/ul | 90 |
| 50) Acenaphthylene | 14.598 | 152 | 618766 | 51.721 ng/ul | 99 |
| 51) 3-Nitroaniline | 14.792 | 138 | 91729 | 54.624 ng/ul# | 98 |
| 52) Acenaphthene | 14.933 | 153 | 428166 | 52.141 ng/ul | 94 |
| 53) 2,4-Dinitrophenol | 14.992 | 184 | 49049 | 56.723 ng/ul# | 84 |
| 55) 4-Nitrophenol | 15.074 | 109 | 17392 | 15.812 ng/ul | 94 |
| 56) Dibenzofuran | 15.262 | 168 | 577326 | 53.039 ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 15.232 | 165 | 152486 | 66.203 ng/ul | 93 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.473 | 232 | 116387 | 54.123 ng/ul# | 95 |
| 59) Diethylphthalate | 15.655 | 149 | 495242 | 56.011 ng/ul | 95 |
| 61) Fluorene | 15.914 | 166 | 501566 | 54.878 ng/ul | 96 |
| 62) 4-Chlorophenyl-phenyle... | 15.896 | 204 | 244082 | 53.573 ng/ul | 96 |
| 63) 4-Nitroaniline | 15.961 | 138 | 94017 | 60.837 ng/ul# | 87 |
| 66) 4,6-Dinitro-2-methylph... | 15.984 | 198 | 92285 | 63.004 ng/ul# | 91 |
| 67) N-Nitrosodiphenylamine | 16.114 | 169 | 391408 | 54.332 ng/ul | 97 |
| 68) 4-Bromophenyl-phenylether | 16.789 | 248 | 148441 | 56.696 ng/ul | 96 |
| 69) Hexachlorobenzene | 16.883 | 284 | 170241 | 57.556 ng/ul | 93 |
| 70) Atrazine | 17.048 | 200 | 63641 | 23.233 ng/ul# | 96 |
| 71) Pentachlorophenol | 17.236 | 266 | 94770 | 55.671 ng/ul | 99 |
| 72) Phenanthrene | 17.659 | 178 | 860274 | 58.004 ng/ul | 98 |
| 74) Anthracene | 17.753 | 178 | 863279 | 56.370 ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.664 | 216 | 175558 | 49.295 ng/uL | 93 |
| 76) Pentachlorobenzene | 15.156 | 250 | 177962 | 50.608 ng/uL | 96 |
| 77) Carbazole | 18.029 | 167 | 731078 | 58.572 ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.534 | 149 | 898953 | 60.757 ng/ul | 99 |
| 80) Fluoranthene | 19.657 | 202 | 974808 | 58.824 ng/ul | 98 |
| 82) Pyrene | 20.021 | 202 | 1008643 | 57.463 ng/ul | 100 |
| 83) Butylbenzylphthalate | 20.873 | 149 | 385272 | 62.242 ng/ul | 98 |
| 84) 3,3'-Dichlorobenzidine | 21.813 | 252 | 186940 | 33.604 ng/ul# | 98 |
| 85) Benzo(a)anthracene | 21.895 | 228 | 966838 | 57.177 ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.731 | 149 | 573684 | 61.034 ng/ul | 96 |
| 87) Chrysene | 21.972 | 228 | 905247 | 56.682 ng/ul | 98 |
| 89) Di-n-octyl phthalate | 23.023 | 149 | 963823 | 59.594 ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.275 | 252 | 997887 | 58.588 ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 24.351 | 252 | 996978 | 57.770 ng/ul | 98 |
| 93) Benzo(a)pyrene | 25.238 | 252 | 935660 | 57.909 ng/ul | 97 |
| 94) Indeno(1,2,3-cd)pyrene | 29.428 | 276 | 1069268m | 58.461 ng/ul | |
| 95) Dibenzo(a,h)anthracene | 29.510 | 278 | 870292 | 58.512 ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 30.703 | 276 | 862336m | 57.985 ng/ul | |

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

**Instrument :**
BNA_G
**ClientSampleId :**
BBJN2MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/29/2023
Supervised By :mohammad ahmed 09/30/2023

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG092823\
Data File : BG059258.D
Acq On : 29 Sep 2023 7:54
Operator : MA/JU
Sample : 04480-18MS
Misc :
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 29 08:49:13 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:33:25 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
BBJN2MS

**Manual IntegrationsAPPROVED**

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Supervised By :mohammad ahmed 09/30/2023