Quantitation Report (Qedit)

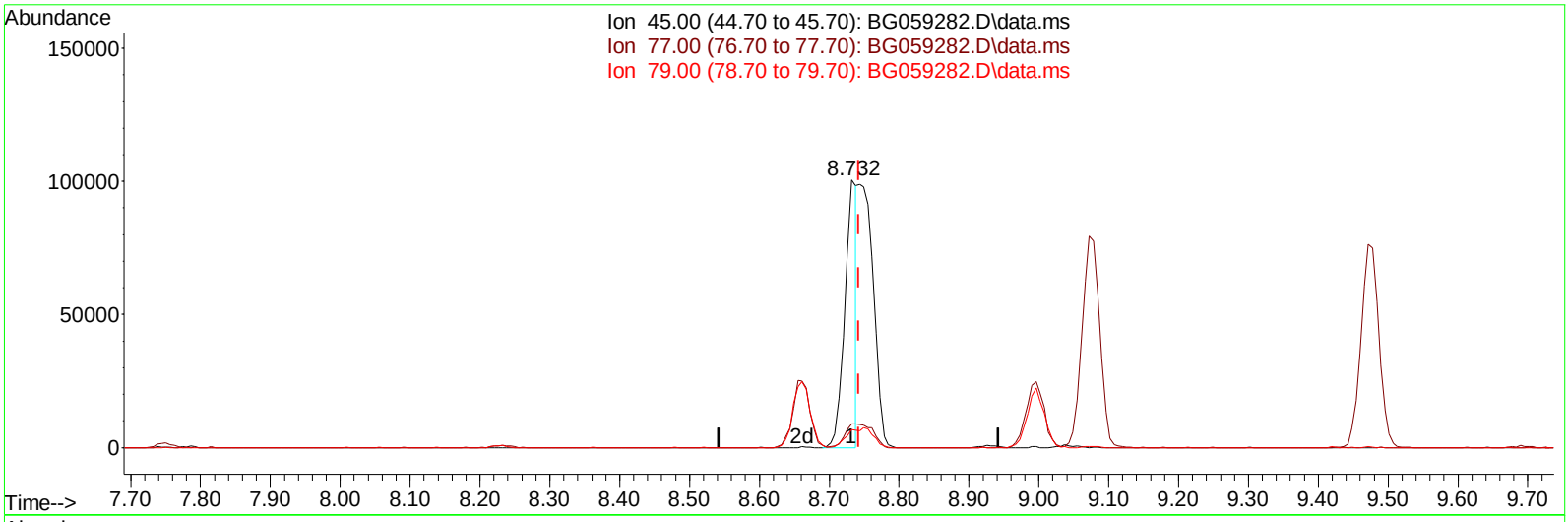
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100423\
Data File : BG059282.D
Acq On : 4 Oct 2023 15:40
Operator : MA/JU
Sample : PB155817BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

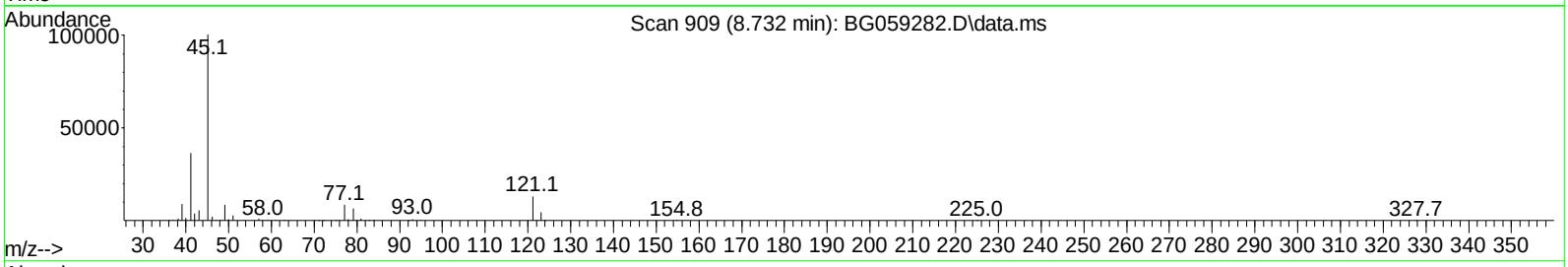
Quant Time: Oct 04 22:47:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:33:25 2023
Response via : Initial Calibration

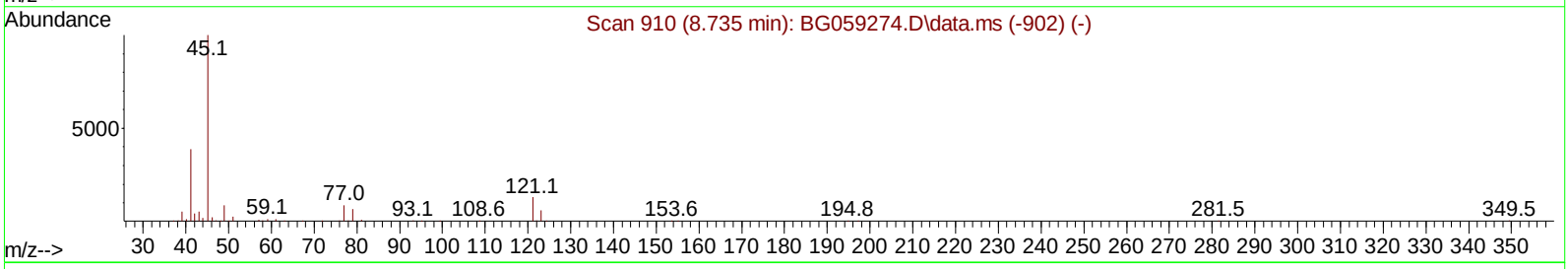
**Instrument :**
BNA_G
**ClientSampleId :**
SLCS817

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023




TIC: BG059282.D\data.ms

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

**8.732min (-0.011) 15.62 ng/ul**

**response 119511**

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 8.20 | 8.77 |
| 79.00 | 7.40 | 6.71 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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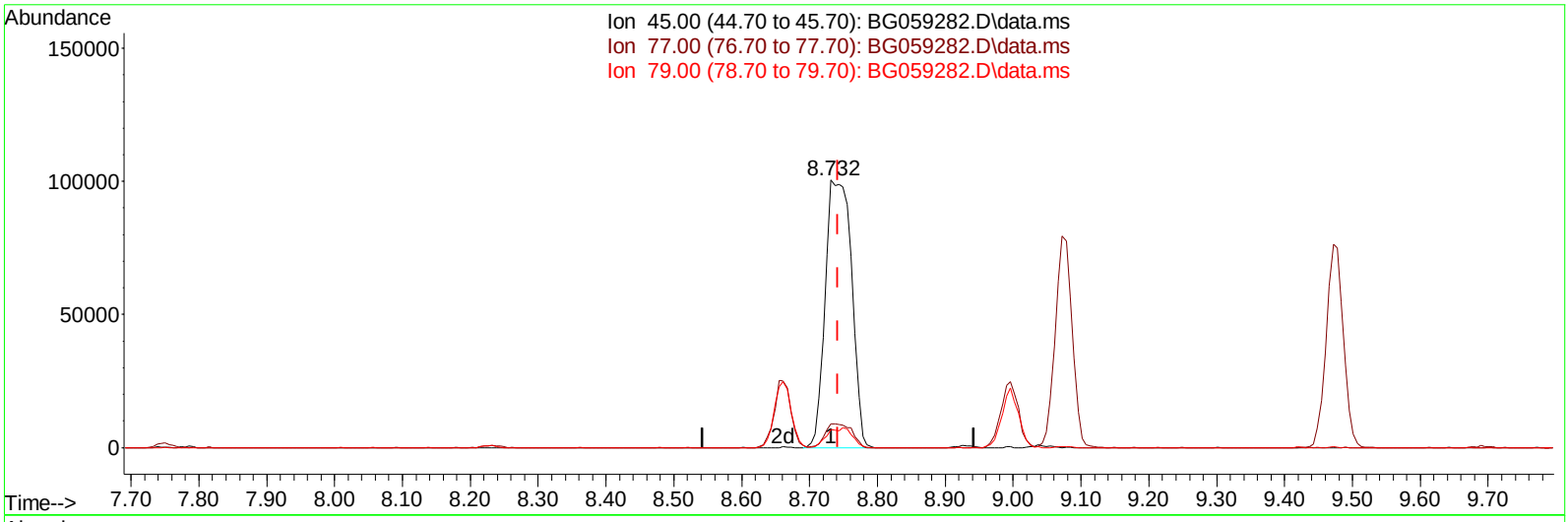


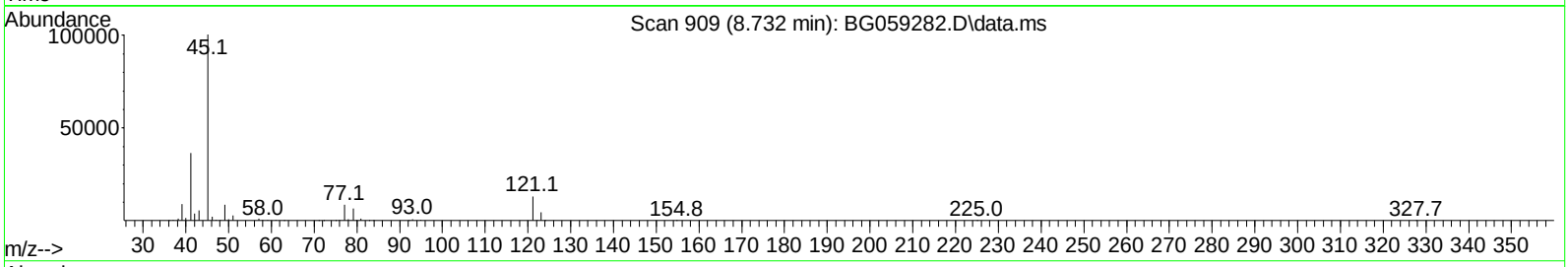


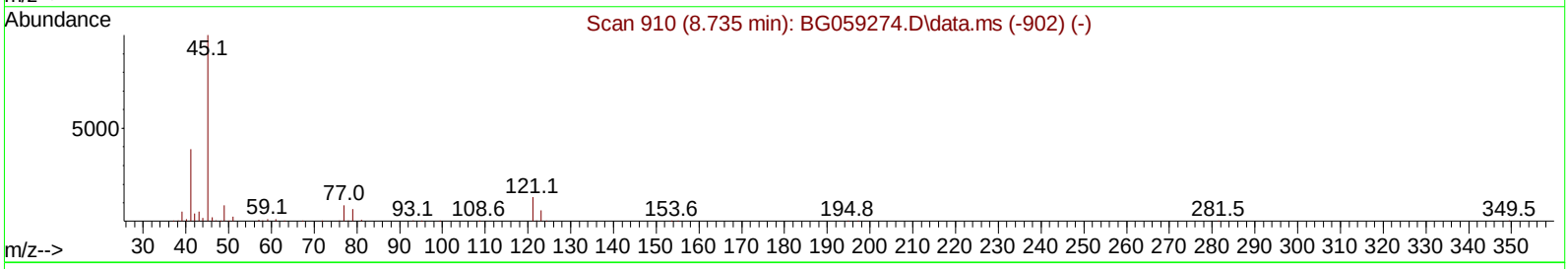


TIC: BG059282.D\data.ms

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

**8.732min (-0.011) 35.33 ng/ul m**

**response 270267**

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 8.20 | 8.77 |
| 79.00 | 7.40 | 6.71 |
| 0.00 | 0.00 | 0.00 |

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QLast Update : Thu Sep 28 04:33:25 2023
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**Instrument :**
BNA_G
**ClientSampleId :**
SLCS817

**Manual IntegrationsAPPROVED**

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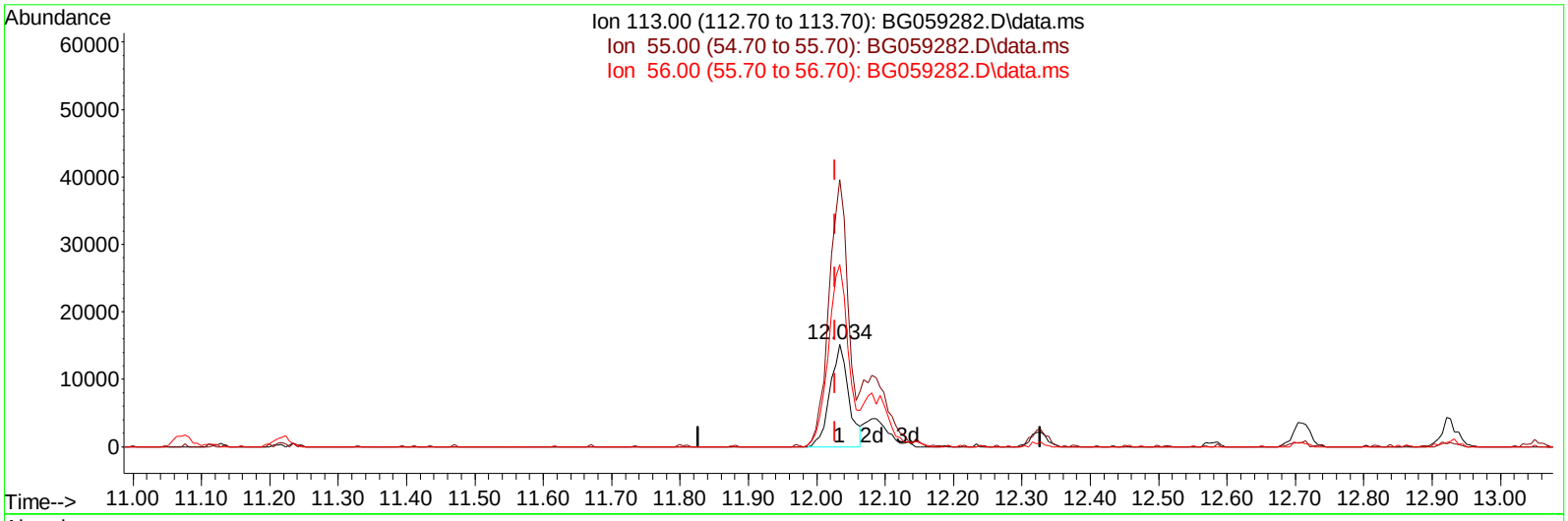


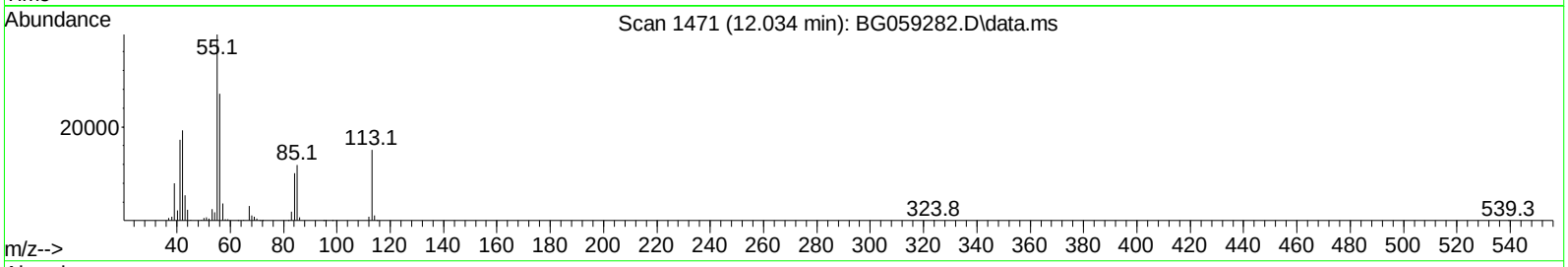


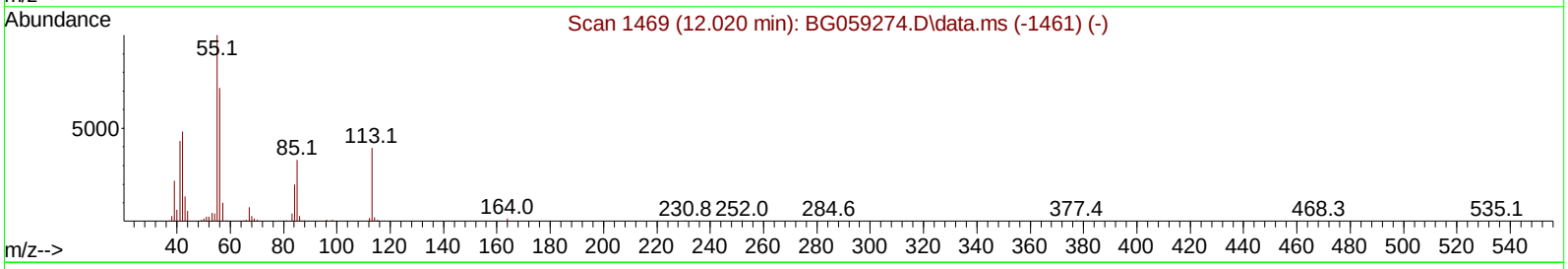


TIC: BG059282.D\data.ms

**(34) Caprolactam**

**12.034min (+ 0.007) 27.76 ng/ul**

**response 28579**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 264.10 | 260.54 |
| 56.00 | 209.90 | 177.70 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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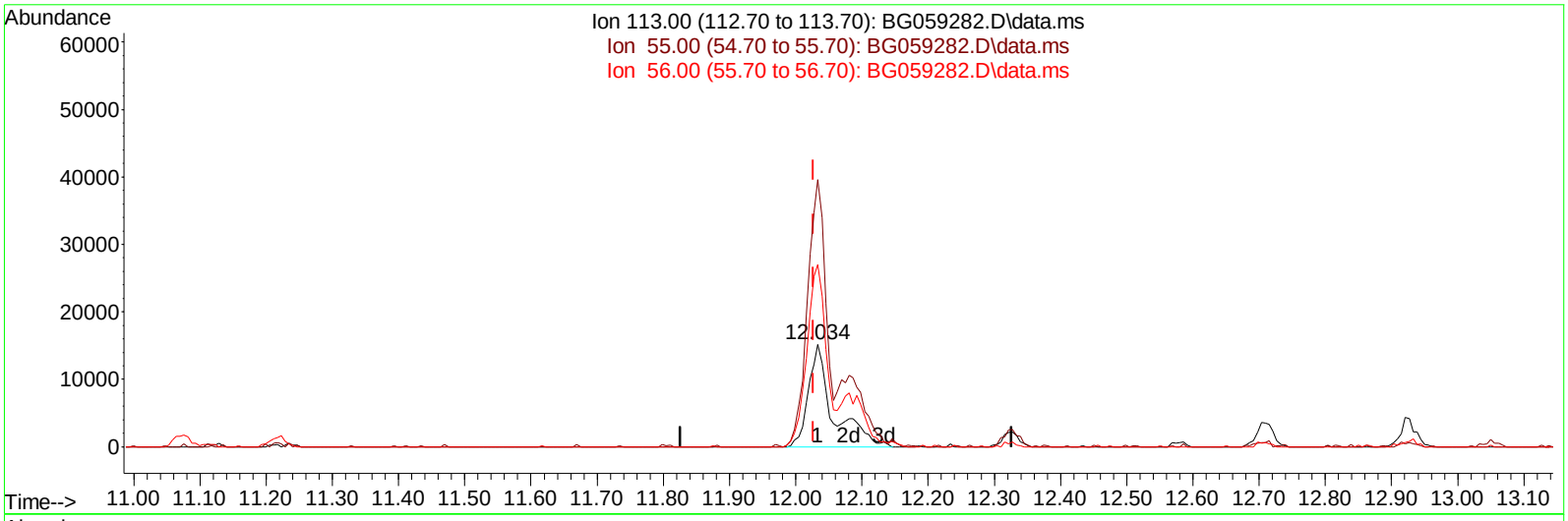
Operator : MA/JU
Sample : PB155817BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

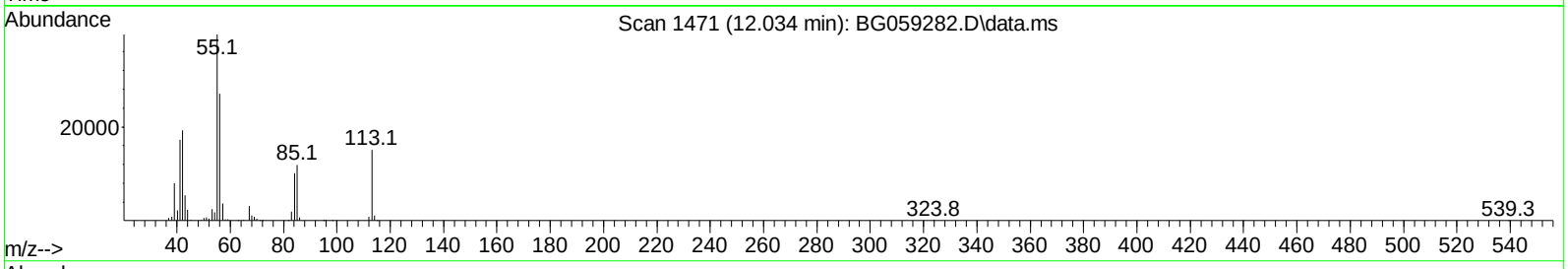
Quant Time: Oct 04 22:47:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:33:25 2023
Response via : Initial Calibration

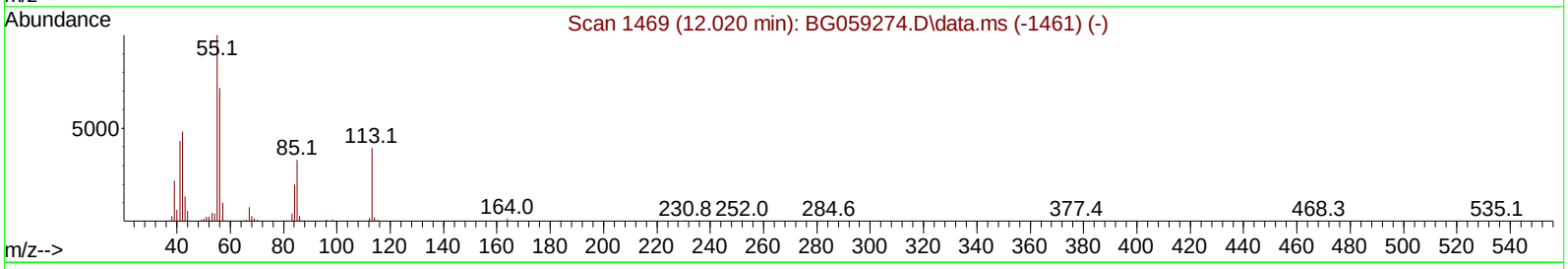
**Instrument :**
BNA_G
**ClientSampleId :**
SLCS817

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023




TIC: BG059282.D\data.ms

**(34) Caprolactam**

**12.034min (+ 0.007) 37.66 ng/ul m**

**response 38772**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 264.10 | 260.54 |
| 56.00 | 209.90 | 177.70 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

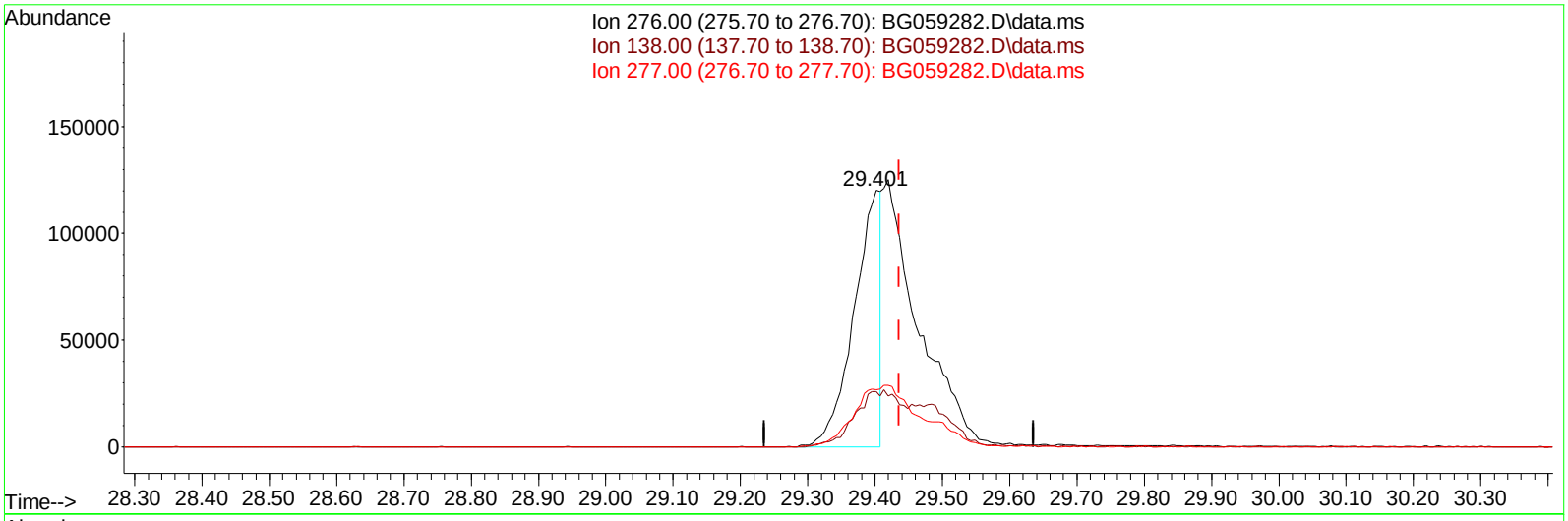
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100423\
Data File : BG059282.D
Acq On : 4 Oct 2023 15:40
Operator : MA/JU
Sample : PB155817BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

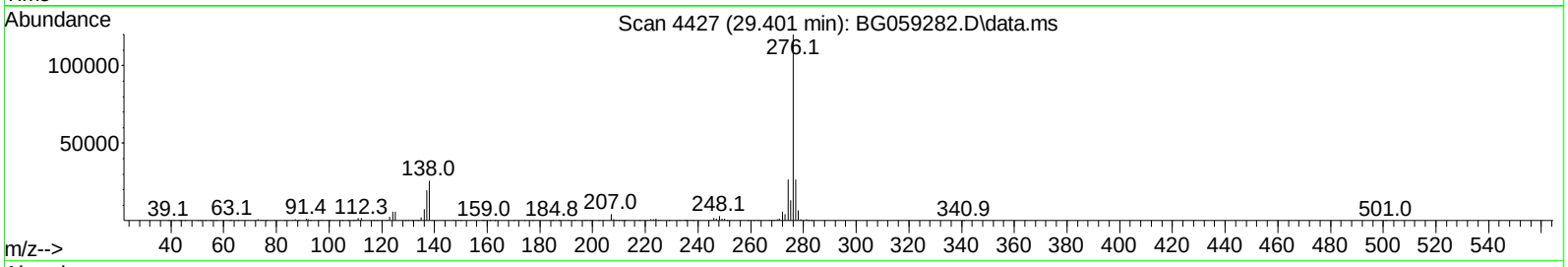
Quant Time: Oct 04 22:47:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:33:25 2023
Response via : Initial Calibration

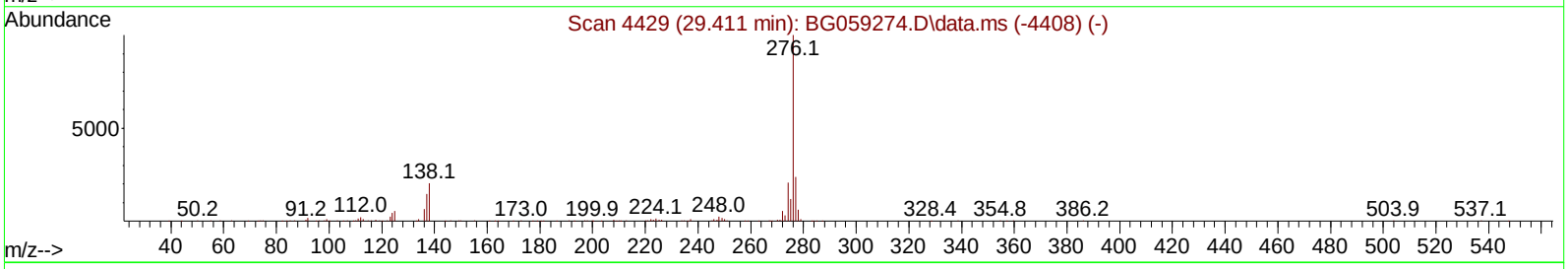
**Instrument :**
BNA_G
**ClientSampleId :**
SLCS817

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023




TIC: BG059282.D\data.ms

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

**29.401min (-0.034) 17.46 ng/ul**

**response 330748**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 21.30 | 21.63 |
| 277.00 | 23.30 | 22.16 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

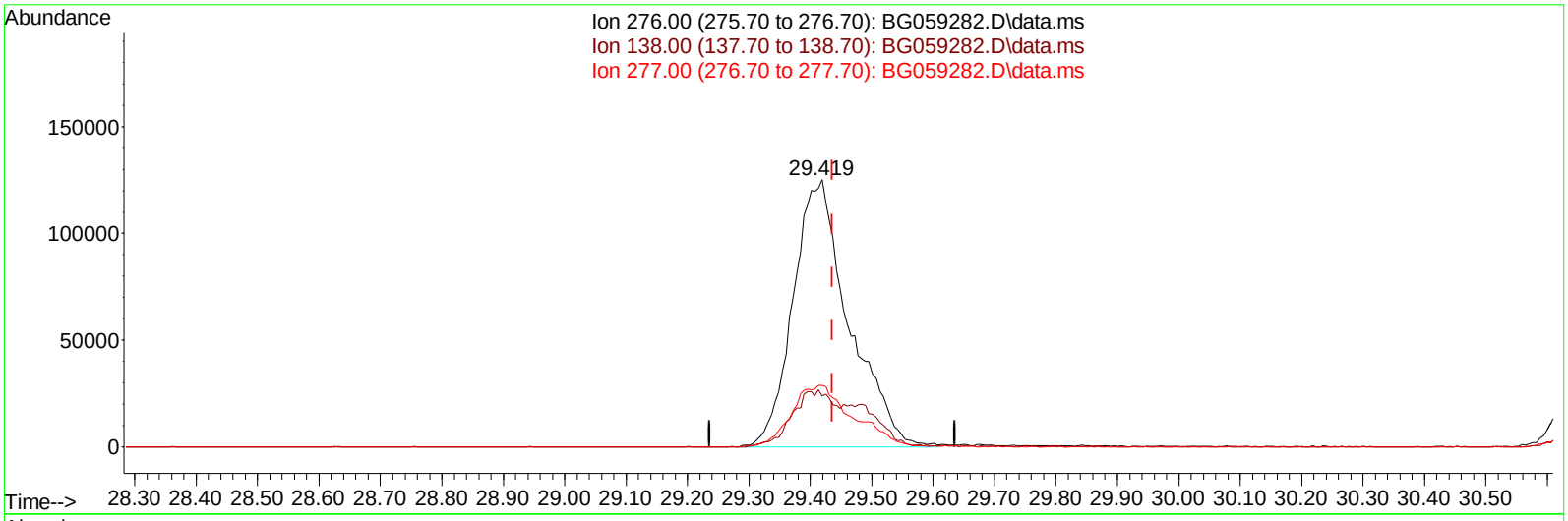
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100423\
Data File : BG059282.D
Acq On : 4 Oct 2023 15:40
Operator : MA/JU
Sample : PB155817BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

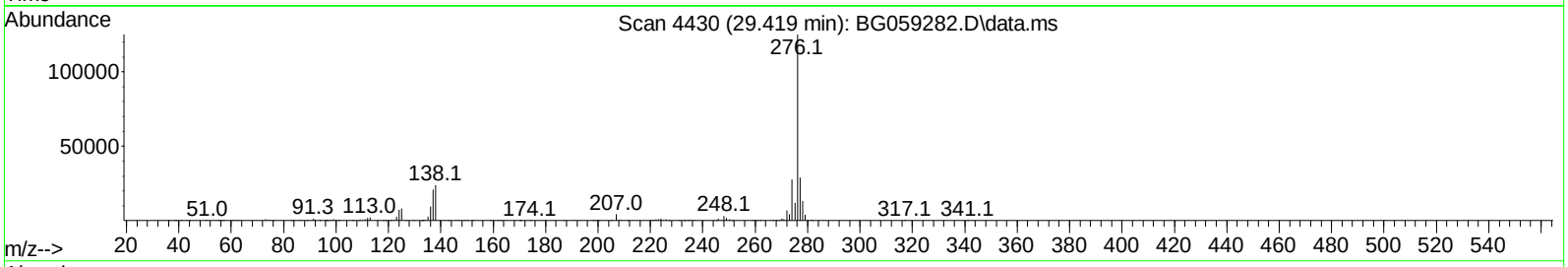
Quant Time: Oct 04 22:47:52 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG092723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:33:25 2023
Response via : Initial Calibration

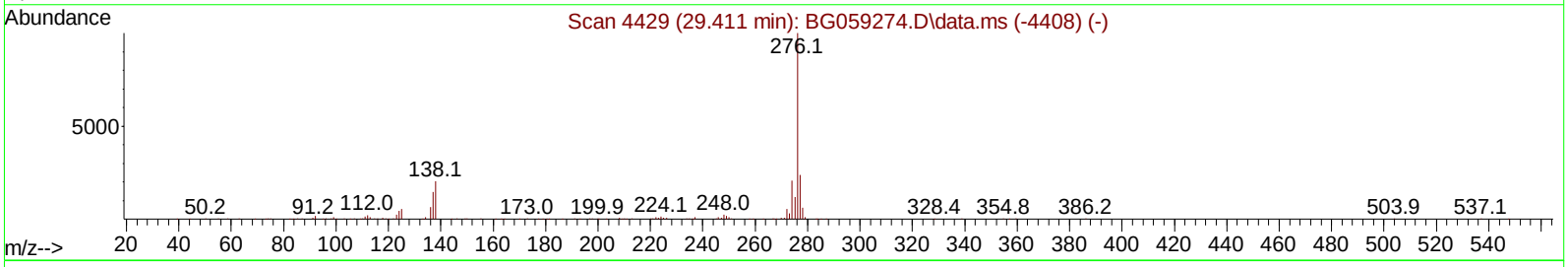
**Instrument :**
BNA_G
**ClientSampleId :**
SLCS817

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023




TIC: BG059282.D\data.ms

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

**29.419min (-0.017) 41.65 ng/ul m**

**response 789073**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 21.30 | 18.94 |
| 277.00 | 23.30 | 23.04 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100423\
Data File : BG059282.D
Acq On : 4 Oct 2023 15:40
Operator : MA/JU
Sample : PB155817BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 04 23:42:36 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 :**
SLCS817

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.232 | 152 | 42368 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.070 | 136 | 210365 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.866 | 164 | 124790 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.609 | 188 | 276987 | 20.000 | ng/ul | -0.01 |
| 79) Chrysene-d12 | 21.916 | 240 | 251830 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.394 | 264 | 288075 | 20.000 | ng/ul | -0.02 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.526 | 96 | 6794 | 6.052 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.961 | 84 | 107002 | 32.668 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.363 | 99 | 158915 | 37.472 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.551 | 67 | 90149 | 33.275 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.750 | 132 | 114559 | 40.185 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.931 | 113 | 119039 | 36.312 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.431 | 128 | 58256 | 39.244 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.148 | 143 | 68240 | 46.827 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.676 | 165 | 121171 | 40.476 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.217 | 131 | 169121 | 34.917 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.260 | 166 | 351373 | 38.945 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.566 | 160 | 434150 | 38.337 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 15.059 | 143 | 63873 | 40.541 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.853 | 176 | 325596 | 37.917 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.964 | 200 | 62381 | 43.814 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.709 | 188 | 464924 | 36.838 | ng/ul | -0.01 |
| 81) Pyrene-d10 | 19.983 | 212 | 538184 | 38.162 | ng/ul | -0.01 |
| 92) Benzo(a)pyrene-d12 | 25.148 | 264 | 552681 | 39.924 | ng/ul | -0.02 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.567 | 88 | 14693 | 11.140 | ng/uL# | 79 |
| 5) Pyridine | 3.984 | 79 | 99061 | 29.783 | ng/ul | 90 |
| 6) Benzaldehyde | 7.380 | 77 | 76646 | 41.154 | ng/ul | 99 |
| 8) Phenol | 7.392 | 94 | 165877 | 39.319 | ng/ul | 92 |
| 10) Bis(2-Chloroethyl)ether | 7.651 | 93 | 125147 | 36.169 | ng/ul | 92 |
| 12) 2-Chlorophenol | 7.786 | 128 | 123428 | 41.063 | ng/ul | 97 |
| 13) 2-Methylphenol | 8.661 | 108 | 119881 | 37.611 | ng/ul | 91 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.732 | 45 | 270267m | 35.333 | ng/ul | |
| 16) Acetophenone | 9.078 | 105 | 184115 | 36.263 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 9.043 | 70 | 93975 | 36.490 | ng/ul# | 97 |
| 18) 4-Methylphenol | 8.996 | 108 | 129360 | 38.304 | ng/ul | 98 |
| 19) Hexachloroethane | 9.313 | 117 | 44897 | 37.915 | ng/ul | 86 |
| 22) Nitrobenzene | 9.472 | 77 | 134589 | 36.729 | ng/ul | 94 |
| 23) Isophorone | 9.983 | 82 | 290132 | 36.819 | ng/ul | 98 |
| 25) 2-Nitrophenol | 10.183 | 139 | 72722 | 45.291 | ng/ul | 92 |
| 26) 2,4-Dimethylphenol | 10.206 | 107 | 99728 | 29.047 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)met... | 10.465 | 93 | 188131 | 37.838 | ng/ul | 93 |
| 29) 2,4-Dichlorophenol | 10.706 | 162 | 124688 | 41.900 | ng/ul | 96 |
| 30) Naphthalene | 11.123 | 128 | 419292 | 37.174 | ng/ul | 99 |
| 32) 4-Chloroaniline | 11.246 | 127 | 155224 | 33.514 | ng/ul | 94 |
| 33) Hexachlorobutadiene | 11.352 | 225 | 74251 | 37.282 | ng/ul | 96 |
| 34) Caprolactam | 12.034 | 113 | 38772m | 37.655 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.327 | 107 | 126566 | 39.862 | ng/ul | 96 |

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**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 10/05/2023
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.709 | 142 | 272939 | 36.939 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 12.927 | 142 | 273108 | 36.417 | ng/ul# | 94 |
| 39) 1,2,4,5-Tetrachloroben... | 13.056 | 216 | 144055 | 38.558 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 13.009 | 237 | 69967 | 30.360 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 13.297 | 196 | 96860 | 42.346 | ng/ul | 86 |
| 42) 2,4,5-Trichlorophenol | 13.367 | 196 | 106617 | 44.421 | ng/ul | 95 |
| 43) 1,1'-Biphenyl | 13.702 | 154 | 392188 | 38.914 | ng/ul | 100 |
| 44) 2-Chloronaphthalene | 13.755 | 162 | 300259 | 39.570 | ng/ul | 96 |
| 45) 2-Nitroaniline | 13.973 | 65 | 95554 | 44.644 | ng/ul | 97 |
| 47) Dimethylphthalate | 14.307 | 163 | 368084 | 39.831 | ng/ul | 98 |
| 48) 2,6-Dinitrotoluene | 14.454 | 165 | 74854 | 47.624 | ng/ul | 91 |
| 50) Acenaphthylene | 14.601 | 152 | 470440 | 38.918 | ng/ul | 98 |
| 51) 3-Nitroaniline | 14.795 | 138 | 79091 | 46.614 | ng/ul# | 97 |
| 52) Acenaphthene | 14.930 | 153 | 325097 | 39.182 | ng/ul | 95 |
| 53) 2,4-Dinitrophenol | 14.989 | 184 | 39347 | 45.034 | ng/ul# | 80 |
| 55) 4-Nitrophenol | 15.077 | 109 | 46428 | 41.775 | ng/ul# | 77 |
| 56) Dibenzofuran | 15.259 | 168 | 429673 | 39.068 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 15.230 | 165 | 109375 | 46.997 | ng/ul | 94 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.471 | 232 | 97179 | 44.725 | ng/ul | 96 |
| 59) Diethylphthalate | 15.653 | 149 | 351947 | 39.395 | ng/ul | 96 |
| 61) Fluorene | 15.906 | 166 | 364993 | 39.524 | ng/ul | 97 |
| 62) 4-Chlorophenyl-phenyle... | 15.888 | 204 | 183486 | 39.858 | ng/ul | 97 |
| 63) 4-Nitroaniline | 15.958 | 138 | 77457 | 49.605 | ng/ul | 91 |
| 66) 4,6-Dinitro-2-methylph... | 15.982 | 198 | 70024 | 46.645 | ng/ul# | 88 |
| 67) N-Nitrosodiphenylamine | 16.111 | 169 | 292804 | 39.657 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.787 | 248 | 110263 | 41.091 | ng/ul | 94 |
| 69) Hexachlorobenzene | 16.881 | 284 | 123992 | 40.901 | ng/ul | 95 |
| 70) Atrazine | 17.045 | 200 | 104444 | 37.202 | ng/ul | 96 |
| 71) Pentachlorophenol | 17.233 | 266 | 78093 | 44.760 | ng/ul | 98 |
| 72) Phenanthrene | 17.656 | 178 | 594680 | 39.122 | ng/ul | 98 |
| 74) Anthracene | 17.750 | 178 | 603019 | 38.419 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.661 | 216 | 145774 | 39.937 | ng/uL | 99 |
| 76) Pentachlorobenzene | 15.153 | 250 | 135098 | 37.484 | ng/uL | 99 |
| 77) Carbazole | 18.027 | 167 | 515924 | 40.330 | ng/ul | 98 |
| 78) Di-n-butylphthalate | 18.526 | 149 | 632999 | 41.742 | ng/ul | 99 |
| 80) Fluoranthene | 19.648 | 202 | 690912 | 39.769 | ng/ul | 98 |
| 82) Pyrene | 20.012 | 202 | 717493 | 38.990 | ng/ul | 97 |
| 83) Butylbenzylphthalate | 20.864 | 149 | 279569 | 43.081 | ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 21.805 | 252 | 247253 | 42.396 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.893 | 228 | 711775 | 40.151 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.722 | 149 | 423287 | 42.956 | ng/ul | 95 |
| 87) Chrysene | 21.963 | 228 | 669444 | 39.983 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 23.015 | 149 | 714054 | 42.619 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.266 | 252 | 721649 | 40.900 | ng/ul | 97 |
| 91) Benzo(k)fluoranthene | 24.337 | 252 | 725921 | 40.605 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 25.230 | 252 | 688248 | 41.119 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 29.419 | 276 | 789073m | 41.646 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 29.490 | 278 | 648087 | 42.061 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 30.700 | 276 | 637589 | 41.386 | ng/ul | 96 |

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

**Instrument :**
BNA_G
**ClientSampleId :**
SLCS817

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 10/05/2023
Supervised By :mohammad ahmed 10/06/2023

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100423\
Data File : BG059282.D
Acq On : 4 Oct 2023 15:40
Operator : MA/JU
Sample : PB155817BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 04 23:42:36 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 :**
SLCS817

**Manual IntegrationsAPPROVED**

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Supervised By :mohammad ahmed 10/06/2023