Quantitation Report (Qedit)

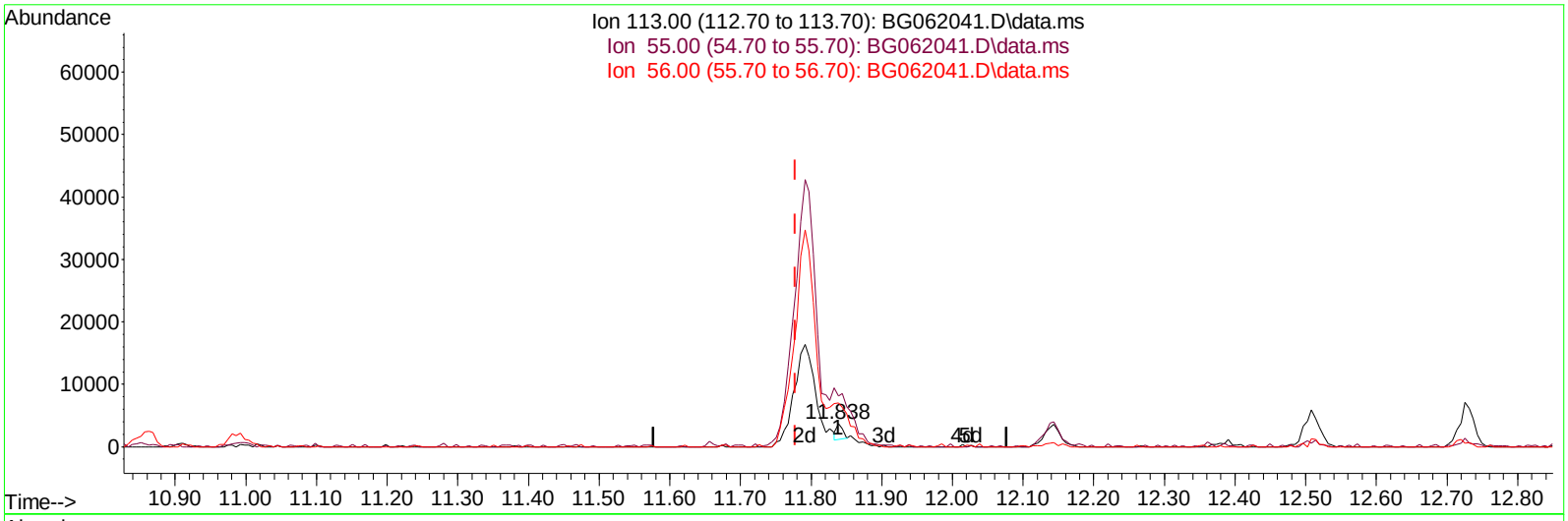
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062041.D
Acq On : 12 Jul 2024 13:24
Operator : MA/JU
Sample : PB162020BS
Misc :
ALS Vial : 38 Sample Multiplier: 1

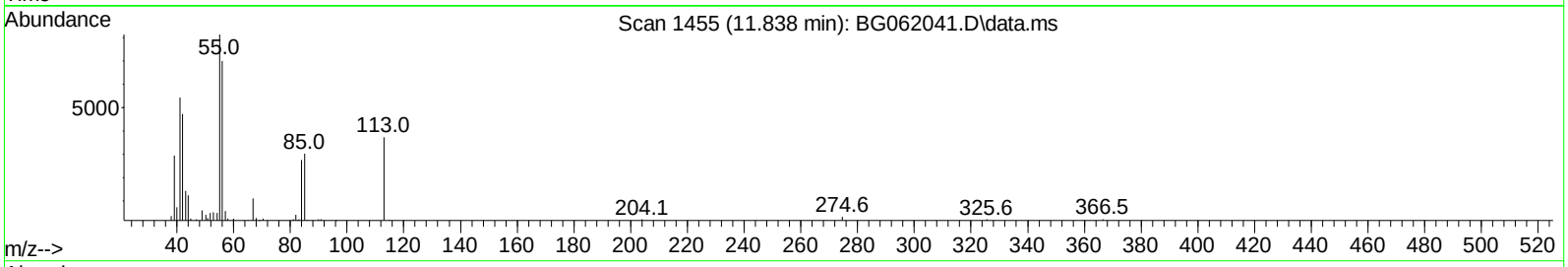
Quant Time: Jul 12 14:41:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

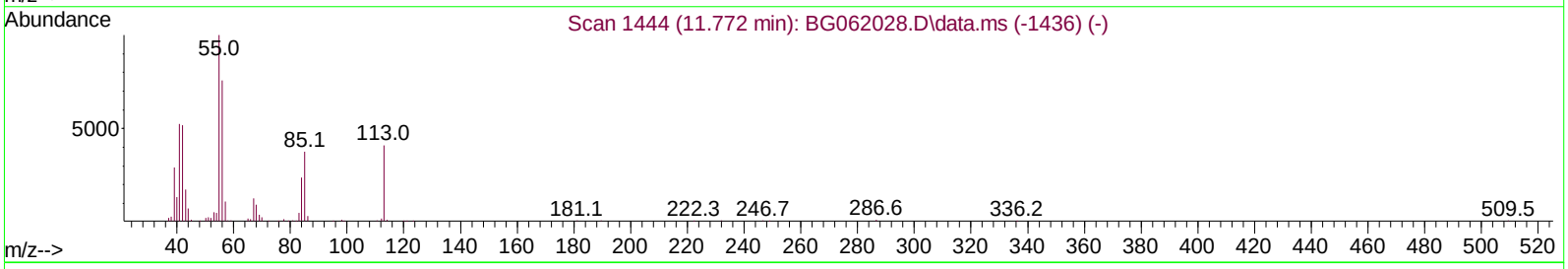
**Instrument :**
BNA_G
**ClientSampleId :**
SLCS020

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024




TIC: BG062041.D\data.ms

**(34) Caprolactam**

**11.838min (+ 0.061) 1.00 ng/ul**

**response 1520**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 230.70 | 217.99 |
| 56.00 | 168.80 | 187.42 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062041.D
Acq On : 12 Jul 2024 13:24
Operator : MA/JU
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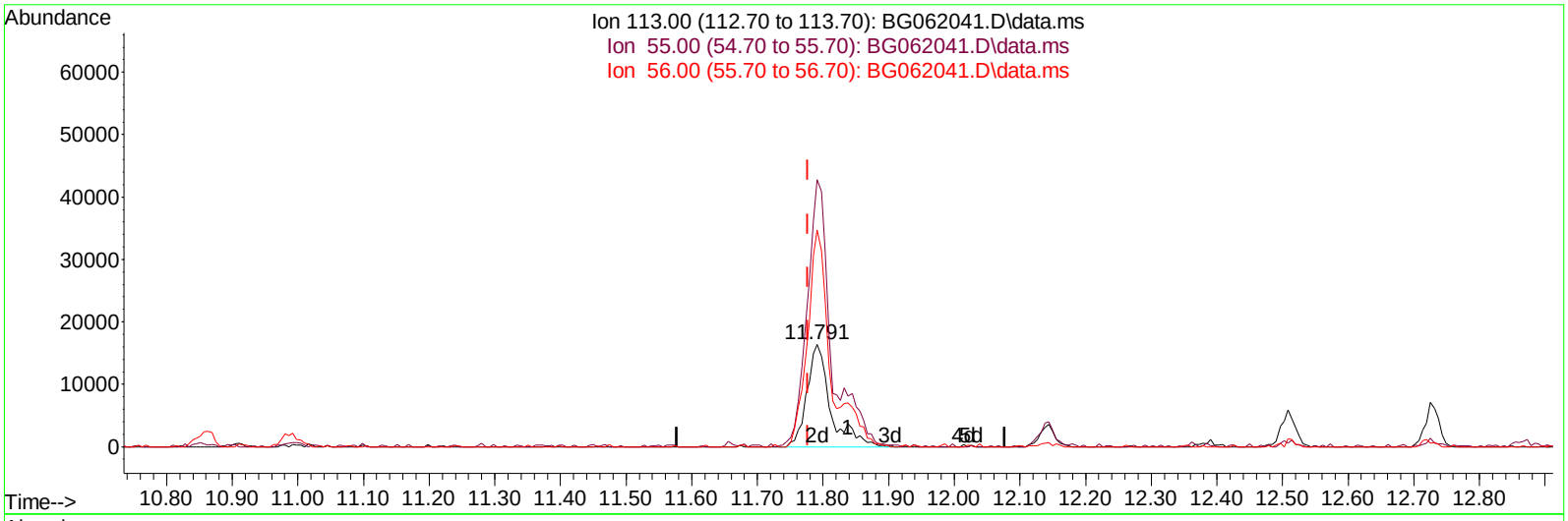
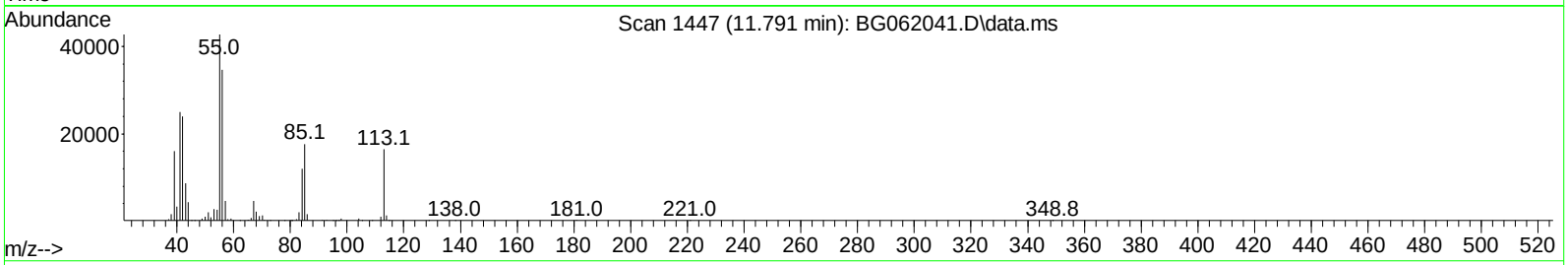
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

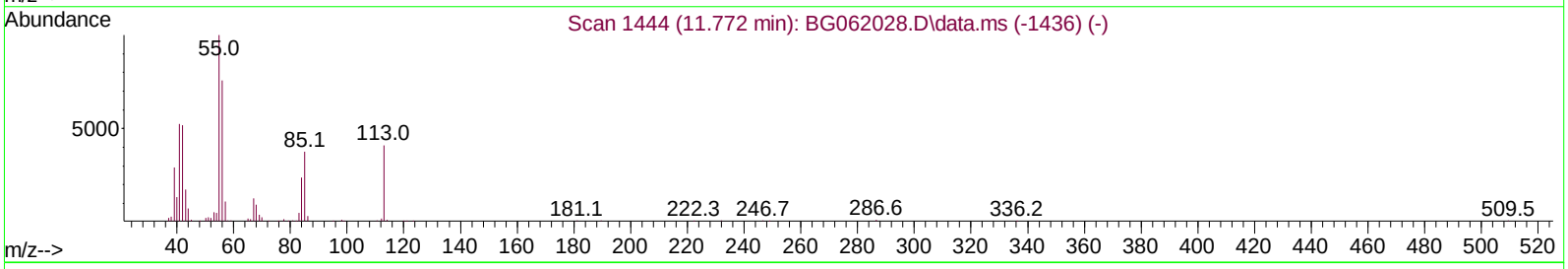
**Instrument :**
BNA_G
**ClientSampleId :**
SLCS020

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024




TIC: BG062041.D\data.ms

**(34) Caprolactam**

**11.791min (+ 0.014) 26.81 ng/ul m**

**response 40650**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 230.70 | 260.43 |
| 56.00 | 168.80 | 211.45# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

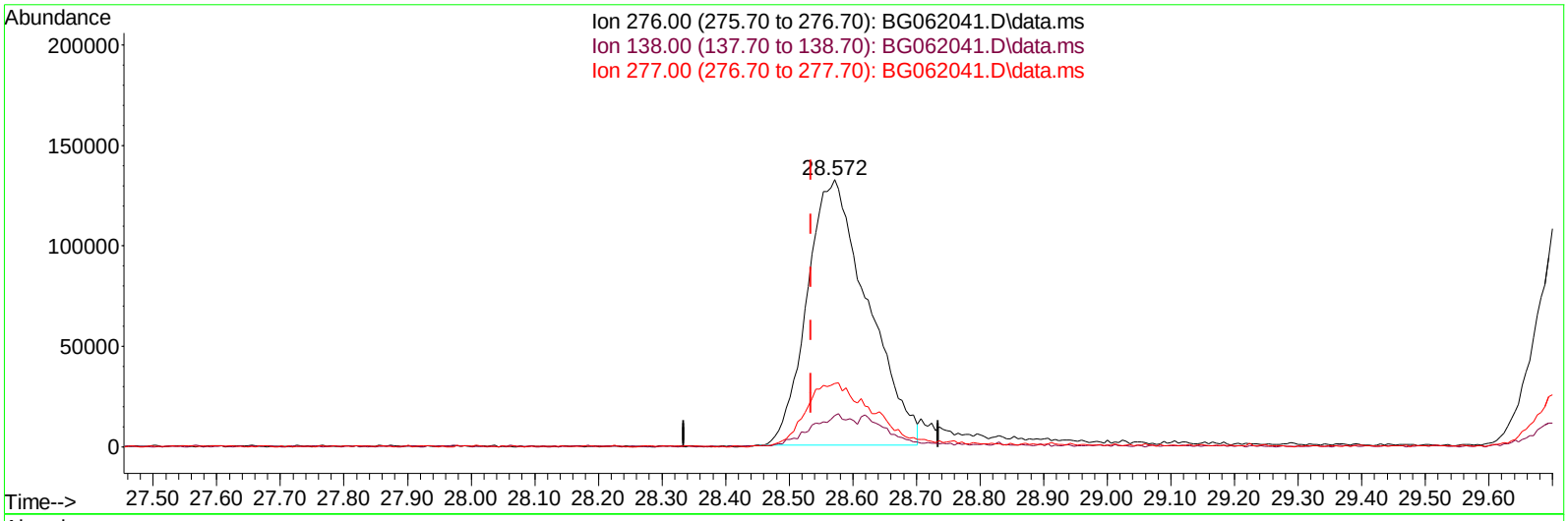
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062041.D
Acq On : 12 Jul 2024 13:24
Operator : MA/JU
Sample : PB162020BS
Misc :
ALS Vial : 38 Sample Multiplier: 1

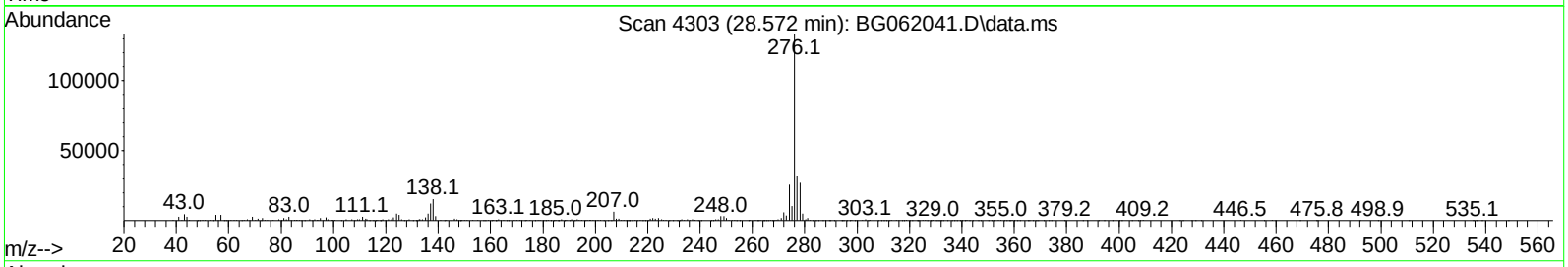
Quant Time: Jul 12 14:41:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

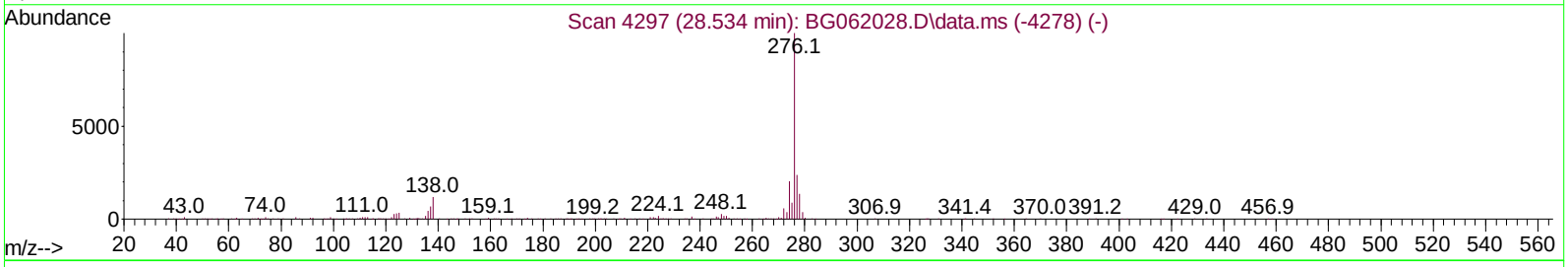
**Instrument :**
BNA_G
**ClientSampleId :**
SLCS020

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024




TIC: BG062041.D\data.ms

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

**28.572min (+ 0.037) 29.36 ng/ul**

**response 874627**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 14.90 | 11.63# |
| 277.00 | 24.10 | 23.74 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

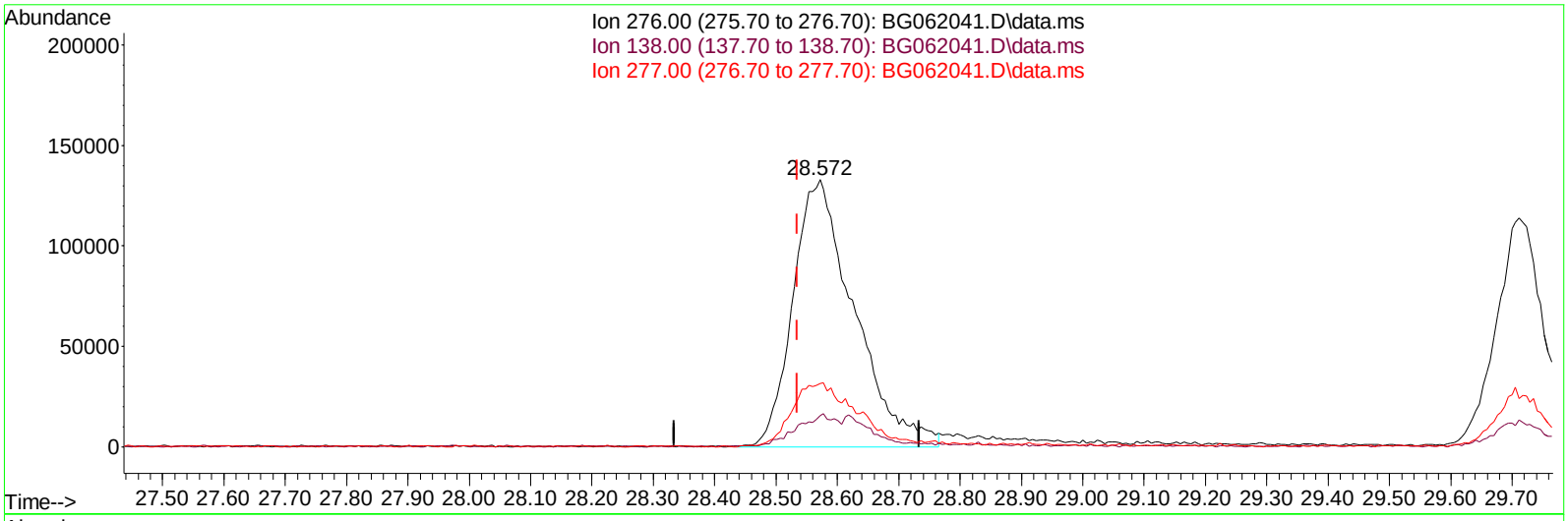
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062041.D
Acq On : 12 Jul 2024 13:24
Operator : MA/JU
Sample : PB162020BS
Misc :
ALS Vial : 38 Sample Multiplier: 1

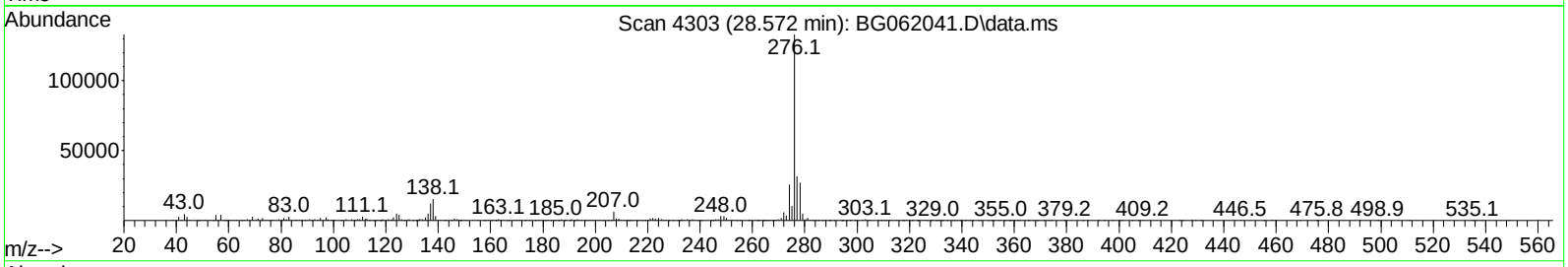
Quant Time: Jul 12 14:41:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

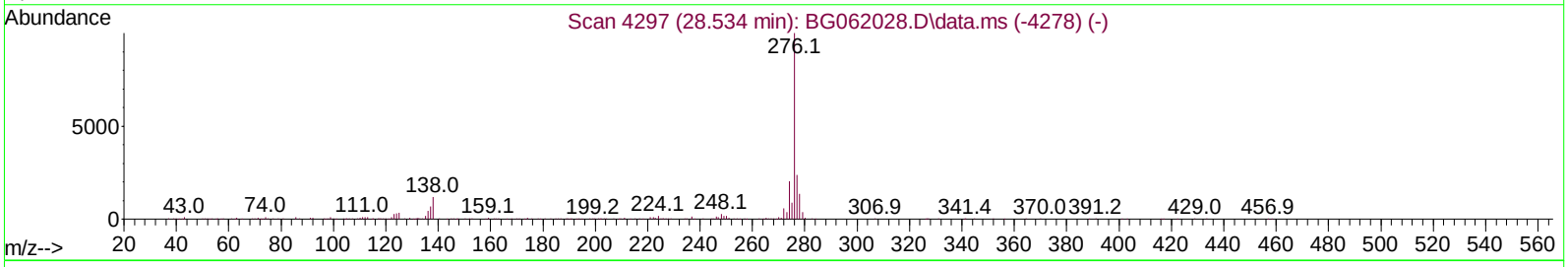
**Instrument :**
BNA_G
**ClientSampleId :**
SLCS020

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024




TIC: BG062041.D\data.ms

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

**28.572min (+ 0.037) 30.96 ng/ul m**

**response 922073**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 14.90 | 11.63# |
| 277.00 | 24.10 | 23.74 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

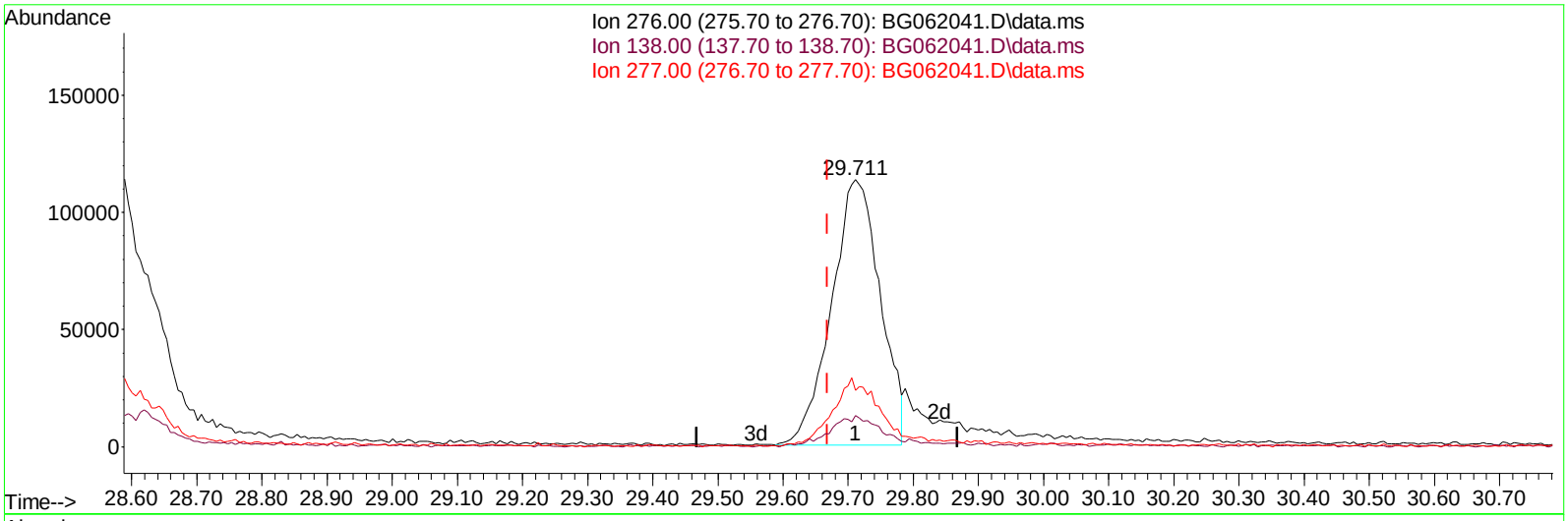
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062041.D
Acq On : 12 Jul 2024 13:24
Operator : MA/JU
Sample : PB162020BS
Misc :
ALS Vial : 38 Sample Multiplier: 1

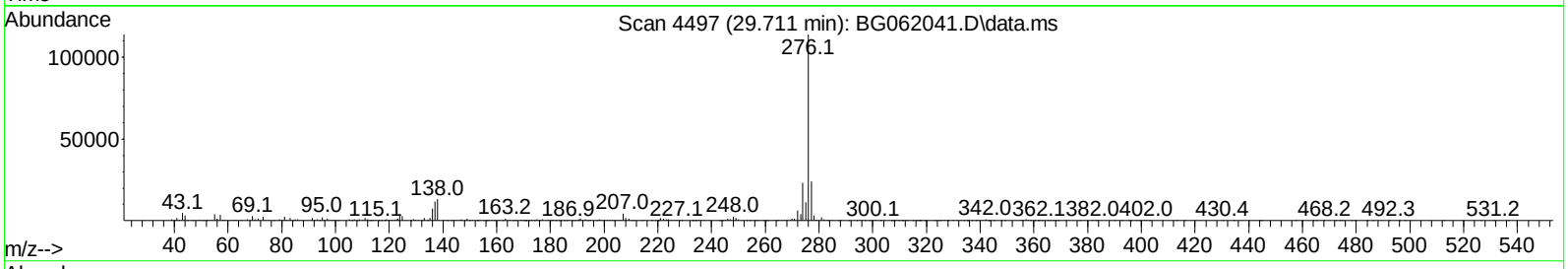
Quant Time: Jul 12 14:41:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

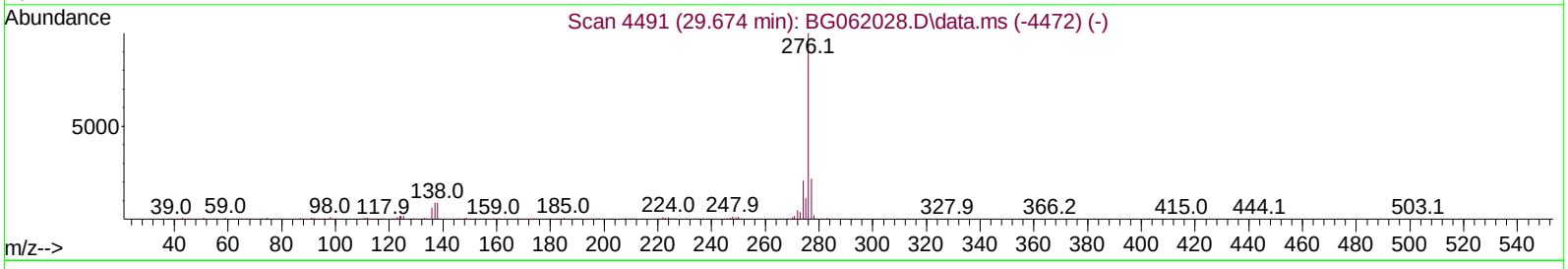
**Instrument :**
BNA_G
**ClientSampleId :**
SLCS020

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024




TIC: BG062041.D\data.ms

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

**29.711min (+ 0.043) 24.83 ng/ul**

**response 588297**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 13.90 | 11.60 |
| 277.00 | 23.50 | 21.05 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

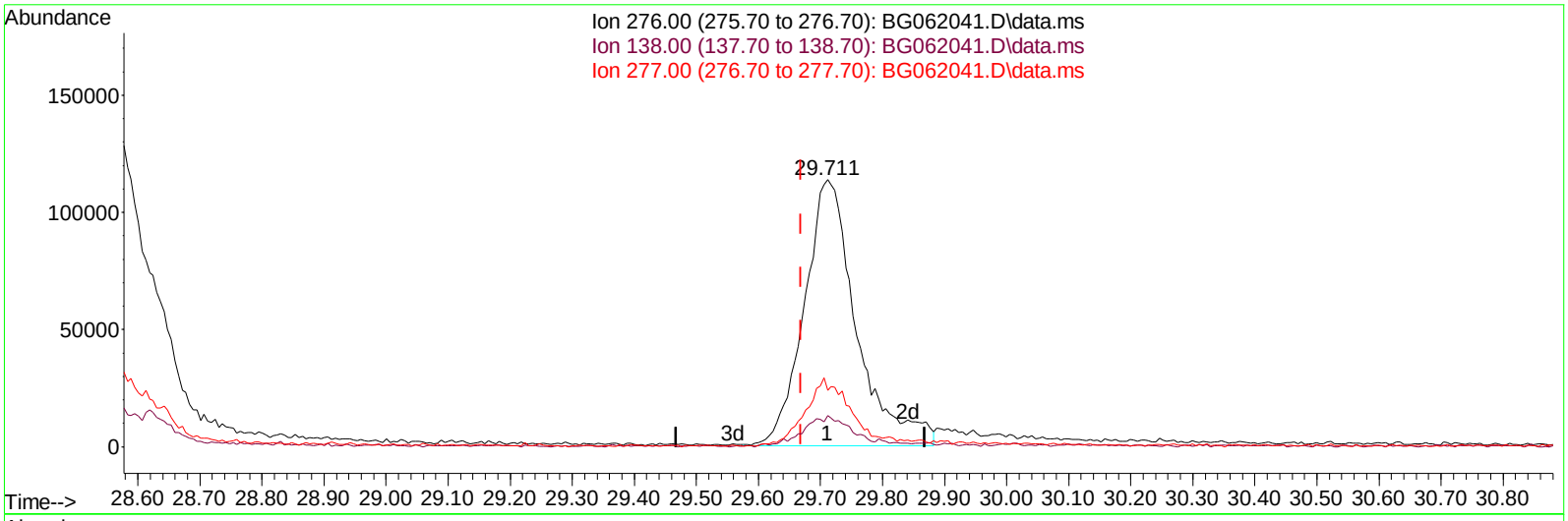
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062041.D
Acq On : 12 Jul 2024 13:24
Operator : MA/JU
Sample : PB162020BS
Misc :
ALS Vial : 38 Sample Multiplier: 1

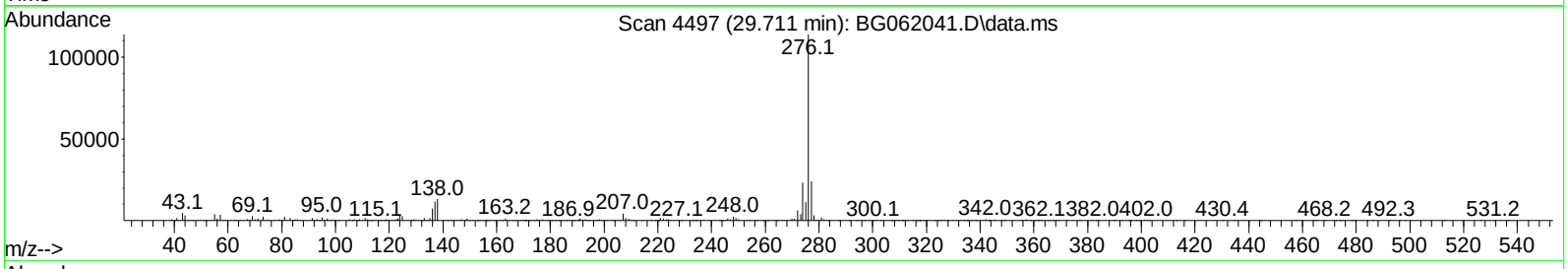
Quant Time: Jul 12 14:41:33 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

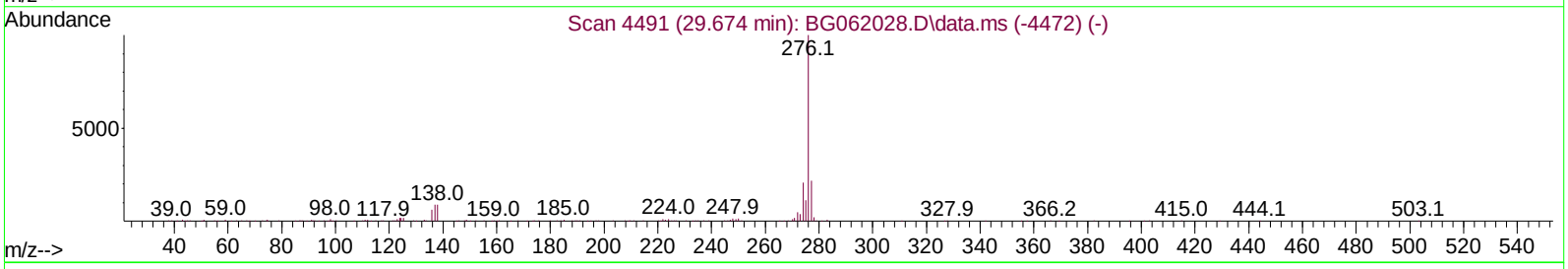
**Instrument :**
BNA_G
**ClientSampleId :**
SLCS020

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024




TIC: BG062041.D\data.ms

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

**29.711min (+ 0.043) 28.07 ng/ul m**

**response 665081**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 13.90 | 11.60 |
| 277.00 | 23.50 | 21.05 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062041.D
Acq On : 12 Jul 2024 13:24
Operator : MA/JU
Sample : PB162020BS
Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jul 12 14:43:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SLCS020

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.043 | 152 | 55009 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.857 | 136 | 245888 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.676 | 164 | 164243 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.420 | 188 | 373557 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 21.686 | 240 | 328641 | 20.000 | ng/ul | # 0.00 |
| 88) Perylene-d12 | 24.894 | 264 | 390692 | 20.000 | ng/ul | 0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.442 | 96 | 10157 | 6.939 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.859 | 84 | 108330 | 24.068 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.208 | 99 | 168267 | 27.951 | ng/ul | 0.01 |
| 9) Bis-(2-Chloroethyl)eth... | 7.367 | 67 | 94914 | 24.897 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.579 | 132 | 121803 | 29.497 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.760 | 113 | 123718 | 26.102 | ng/ul | 0.01 |
| 21) Nitrobenzene-d5 | 9.212 | 128 | 60564 | 32.386 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.935 | 143 | 72349 | 33.878 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.481 | 165 | 139594 | 33.889 | ng/ul | 0.01 |
| 31) 4-Chloroaniline-d4 | 10.992 | 131 | 144989 | 24.244 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.077 | 166 | 404924 | 29.988 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.376 | 160 | 453657 | 32.130 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.888 | 143 | 67036 | 31.088 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.669 | 176 | 355352 | 31.261 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.787 | 200 | 52066 | 26.539 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.520 | 188 | 534814 | 30.665 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.805 | 212 | 615109 | 31.821 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.676 | 264 | 659552 | 34.039 | ng/ul | 0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.477 | 88 | 13896 | 8.601 | ng/uL# | 86 |
| 5) Pyridine | 3.877 | 79 | 116936 | 25.333 | ng/ul | 83 |
| 6) Benzaldehyde | 7.179 | 77 | 90839 | 28.511 | ng/ul | 97 |
| 8) Phenol | 7.238 | 94 | 170862 | 27.722 | ng/ul# | 88 |
| 10) Bis(2-Chloroethyl)ether | 7.461 | 93 | 117224 | 24.758 | ng/ul | 95 |
| 12) 2-Chlorophenol | 7.608 | 128 | 125851 | 29.915 | ng/ul | 97 |
| 13) 2-Methylphenol | 8.489 | 108 | 123334 | 28.036 | ng/ul | 89 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.560 | 45 | 248981 | 24.070 | ng/ul | 98 |
| 16) Acetophenone | 8.871 | 105 | 202711 | 25.891 | ng/ul | 96 |
| 17) N-Nitroso-di-n-propyla... | 8.848 | 70 | 109091 | 24.888 | ng/ul | 89 |
| 18) 4-Methylphenol | 8.824 | 108 | 135757 | 27.557 | ng/ul | 96 |
| 19) Hexachloroethane | 9.124 | 117 | 51725 | 28.342 | ng/ul# | 81 |
| 22) Nitrobenzene | 9.253 | 77 | 164765 | 31.039 | ng/ul | 97 |
| 23) Isophorone | 9.776 | 82 | 308735 | 25.744 | ng/ul# | 97 |
| 25) 2-Nitrophenol | 9.970 | 139 | 74025 | 33.990 | ng/ul | 95 |
| 26) 2,4-Dimethylphenol | 10.029 | 107 | 130717 | 25.079 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)met... | 10.258 | 93 | 168486 | 25.512 | ng/ul | 96 |
| 29) 2,4-Dichlorophenol | 10.505 | 162 | 125682 | 32.482 | ng/ul | 94 |
| 30) Naphthalene | 10.910 | 128 | 405708 | 30.038 | ng/ul | 96 |
| 32) 4-Chloroaniline | 11.016 | 127 | 142047 | 24.207 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 11.174 | 225 | 104377 | 35.847 | ng/ul | 99 |
| 34) Caprolactam | 11.791 | 113 | 40650m | 26.815 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.144 | 107 | 161678 | 31.374 | ng/ul | 88 |

Quantitation Report (QT Reviewed)

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**Instrument :**
BNA_G
**ClientSampleId :**
SLCS020

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.508 | 142 | 297782 | 30.432 | ng/ul | 95 |
| 37) 1-Methylnaphthalene | 12.731 | 142 | 296625 | 29.170 | ng/ul | 96 |
| 39) 1,2,4,5-Tetrachloroben... | 12.872 | 216 | 172482 | 34.970 | ng/ul | 97 |
| 40) Hexachlorocyclopentadiene | 12.843 | 237 | 25766 | 7.847 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 13.113 | 196 | 102168 | 31.187 | ng/ul | 92 |
| 42) 2,4,5-Trichlorophenol | 13.196 | 196 | 115908 | 32.208 | ng/ul | 95 |
| 43) 1,1'-Biphenyl | 13.513 | 154 | 397087 | 31.378 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.560 | 162 | 302495 | 31.850 | ng/ul | 97 |
| 45) 2-Nitroaniline | 13.760 | 65 | 133215 | 35.026 | ng/ul | 94 |
| 47) Dimethylphthalate | 14.124 | 163 | 381268 | 29.356 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.253 | 165 | 83272 | 33.797 | ng/ul | 96 |
| 50) Acenaphthylene | 14.406 | 152 | 467810 | 30.188 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.588 | 138 | 81895 | 34.146 | ng/ul# | 94 |
| 52) Acenaphthene | 14.741 | 153 | 329691 | 30.811 | ng/ul | 97 |
| 53) 2,4-Dinitrophenol | 14.794 | 184 | 26120 | 20.291 | ng/ul | 97 |
| 55) 4-Nitrophenol | 14.905 | 109 | 92237 | 37.478 | ng/ul | 88 |
| 56) Dibenzofuran | 15.076 | 168 | 469858 | 31.068 | ng/ul | 91 |
| 57) 2,4-Dinitrotoluene | 15.040 | 165 | 124789 | 34.535 | ng/ul# | 85 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.299 | 232 | 93956 | 28.913 | ng/ul# | 90 |
| 59) Diethylphthalate | 15.487 | 149 | 410399 | 29.323 | ng/ul | 98 |
| 61) Fluorene | 15.722 | 166 | 389380 | 30.275 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.710 | 204 | 197469 | 30.567 | ng/ul | 95 |
| 63) 4-Nitroaniline | 15.751 | 138 | 86829 | 35.679 | ng/ul# | 72 |
| 66) 4,6-Dinitro-2-methylph... | 15.804 | 198 | 53965 | 25.559 | ng/ul# | 97 |
| 67) N-Nitrosodiphenylamine | 15.928 | 169 | 321076 | 31.473 | ng/ul | 97 |
| 68) 4-Bromophenyl-phenylether | 16.603 | 248 | 143042 | 33.753 | ng/ul | 93 |
| 69) Hexachlorobenzene | 16.721 | 284 | 168885 | 34.657 | ng/ul | 96 |
| 70) Atrazine | 16.868 | 200 | 28858 | 7.166 | ng/ul# | 86 |
| 71) Pentachlorophenol | 17.067 | 266 | 69695 | 26.019 | ng/ul | 95 |
| 72) Phenanthrene | 17.461 | 178 | 607258 | 30.830 | ng/ul | 99 |
| 74) Anthracene | 17.555 | 178 | 610841 | 30.008 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.478 | 216 | 177191 | 38.191 | ng/ul | 97 |
| 76) Pentachlorobenzene | 14.993 | 250 | 188954 | 35.708 | ng/ul | 98 |
| 77) Carbazole | 17.825 | 167 | 545493 | 31.843 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.372 | 149 | 680929 | 30.960 | ng/ul | 99 |
| 80) Fluoranthene | 19.471 | 202 | 707995 | 30.949 | ng/ul# | 92 |
| 82) Pyrene | 19.835 | 202 | 739639 | 31.300 | ng/ul# | 92 |
| 83) Butylbenzylphthalate | 20.704 | 149 | 299997 | 30.250 | ng/ul# | 82 |
| 84) 3,3'-Dichlorobenzidine | 21.574 | 252 | 254778 | 32.587 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.662 | 228 | 756401 | 31.789 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.556 | 149 | 436901 | 30.701 | ng/ul# | 97 |
| 87) Chrysene | 21.727 | 228 | 701365 | 31.486 | ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.767 | 149 | 773826 | 32.420 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.877 | 252 | 791193 | 32.143 | ng/ul# | 97 |
| 91) Benzo(k)fluoranthene | 23.942 | 252 | 800592 | 32.616 | ng/ul# | 94 |
| 93) Benzo(a)pyrene | 24.753 | 252 | 698741 | 29.978 | ng/ul# | 96 |
| 94) Indeno(1,2,3-cd)pyrene | 28.572 | 276 | 922073m | 30.956 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 28.630 | 278 | 756191 | 30.738 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 29.711 | 276 | 665081m | 28.066 | ng/ul | |

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

**Instrument :**
BNA_G
**ClientSampleId :**
SLCS020

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 07/12/2024
Supervised By :mohammad ahmed 07/15/2024

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG071124\
Data File : BG062041.D
Acq On : 12 Jul 2024 13:24
Operator : MA/JU
Sample : PB162020BS
Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jul 12 14:43:55 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG070224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Jul 11 12:11:32 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SLCS020

**Manual IntegrationsAPPROVED**

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