Quantitation Report (Qedit)

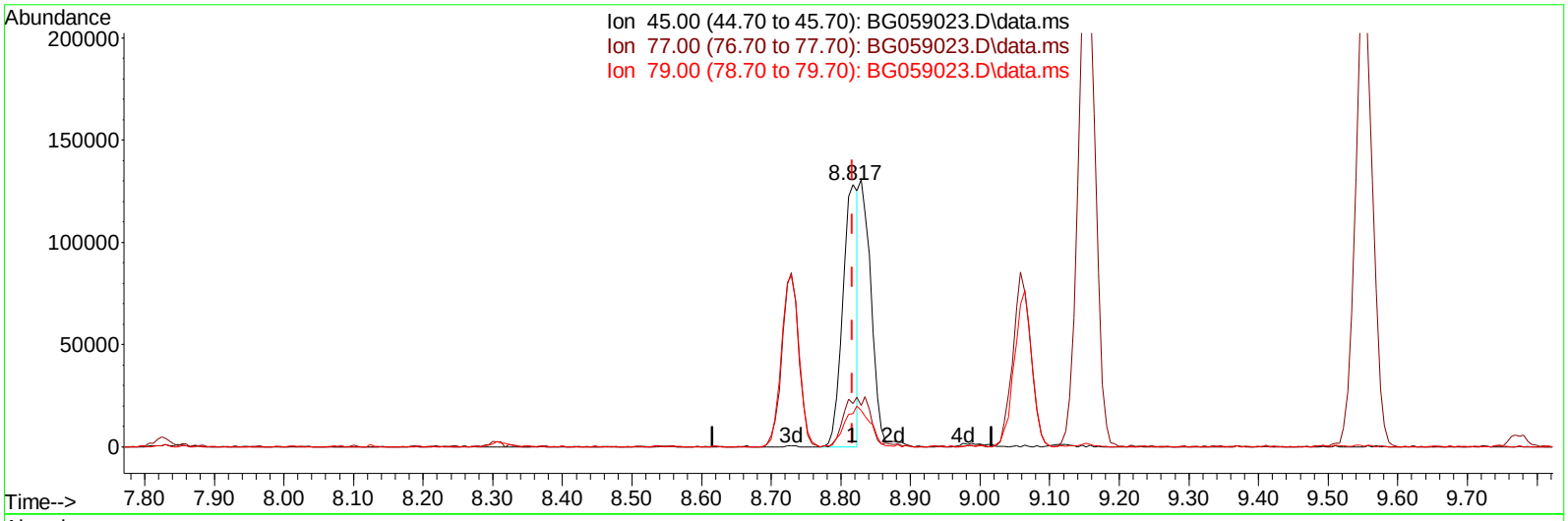
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059023.D
Acq On : 12 Sep 2023 23:27
Operator : MA/JU
Sample : PB155220BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

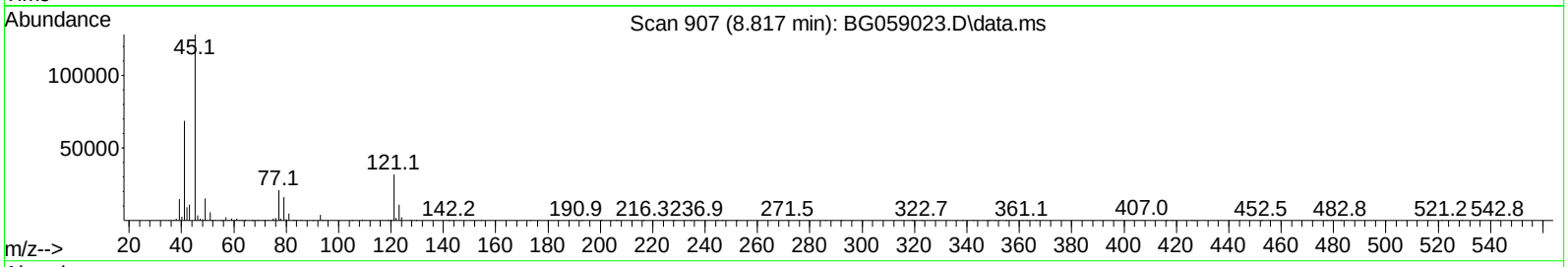
Quant Time: Sep 13 00:42:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
Response via : Initial Calibration

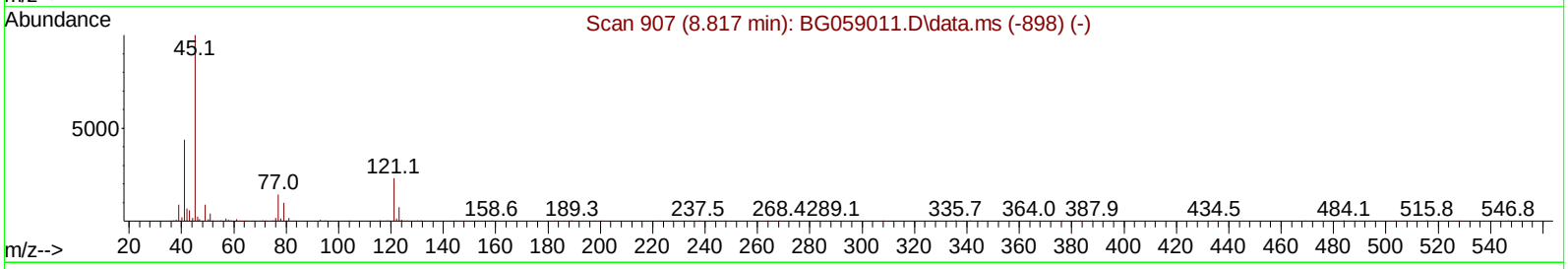
**Instrument :**
BNA_G
**ClientSampleId :**
SLCS220

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023




TIC: BG059023.D\data.ms

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

**8.817min (+ 0.001) 20.58 ng/ul**

**response 193652**

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 16.50 | 16.42 |
| 79.00 | 12.20 | 12.58 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059023.D
Acq On : 12 Sep 2023 23:27
Operator : MA/JU
Sample : PB155220BS
Misc :
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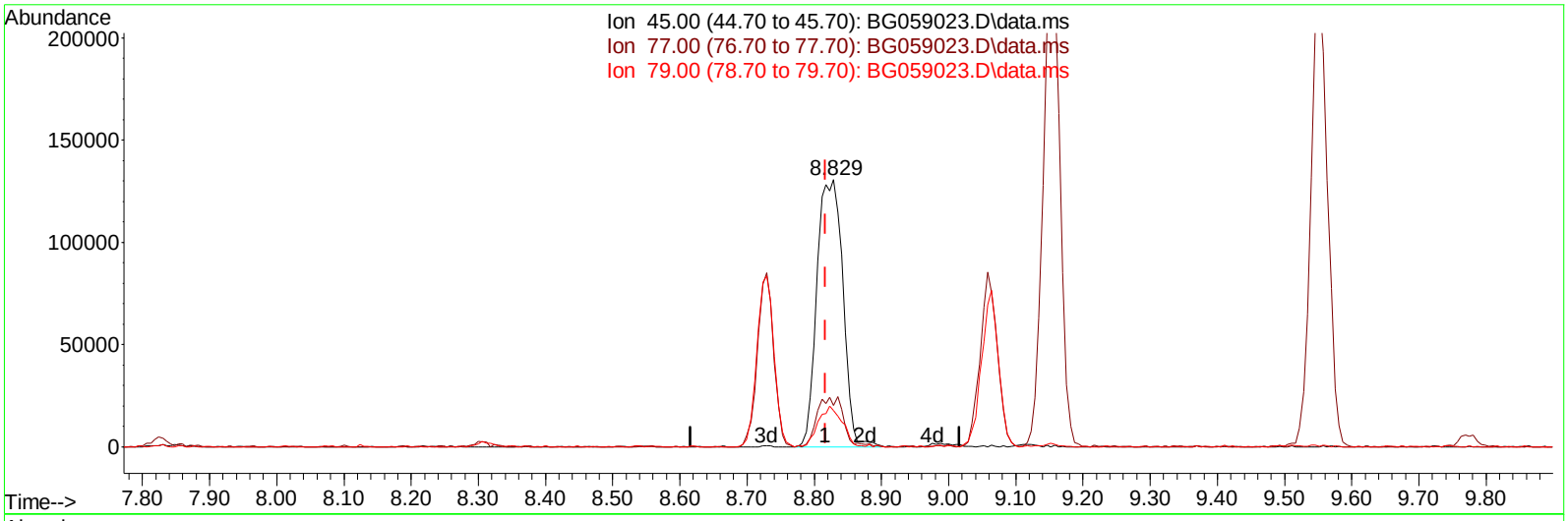
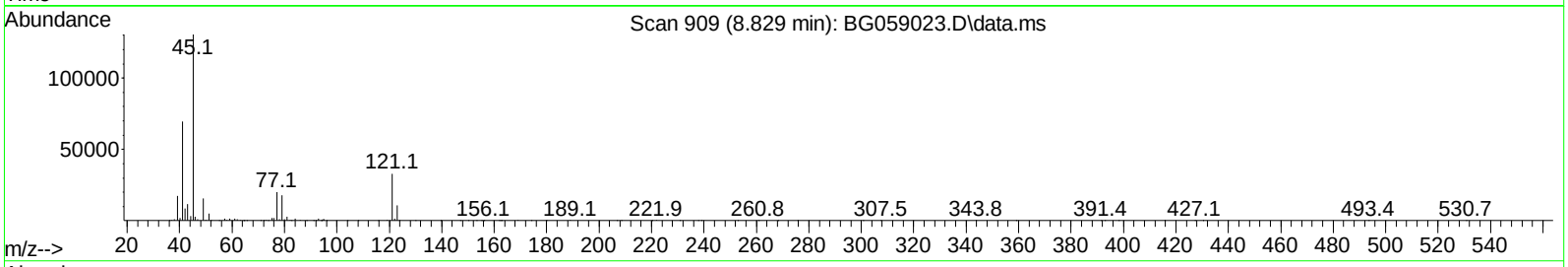
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
Response via : Initial Calibration

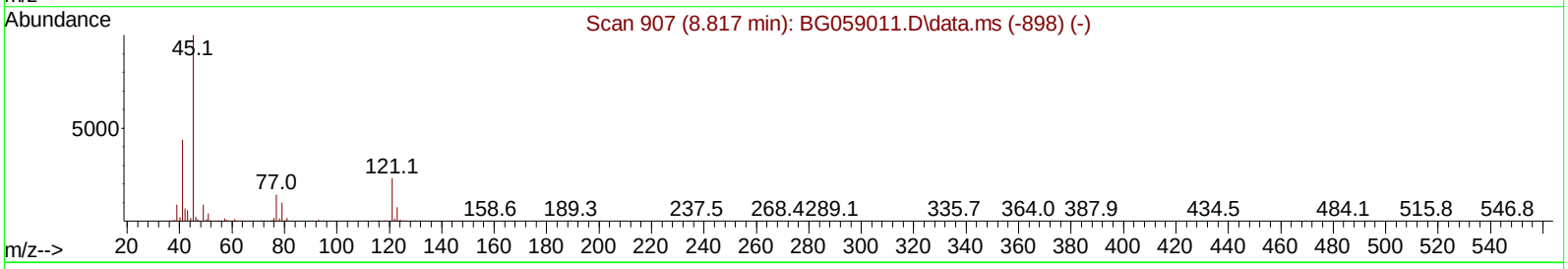
**Instrument :**
BNA_G
**ClientSampleId :**
SLCS220

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023




TIC: BG059023.D\data.ms

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

**8.829min (+ 0.012) 37.11 ng/ul m**

**response 349255**

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100.00 | 100.00 |
| 77.00 | 16.50 | 15.43 |
| 79.00 | 12.20 | 13.58 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059023.D
Acq On : 12 Sep 2023 23:27
Operator : MA/JU
Sample : PB155220BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 13 00:42:53 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
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**Instrument :**
BNA_G
**ClientSampleId :**
SLCS220

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/13/2023
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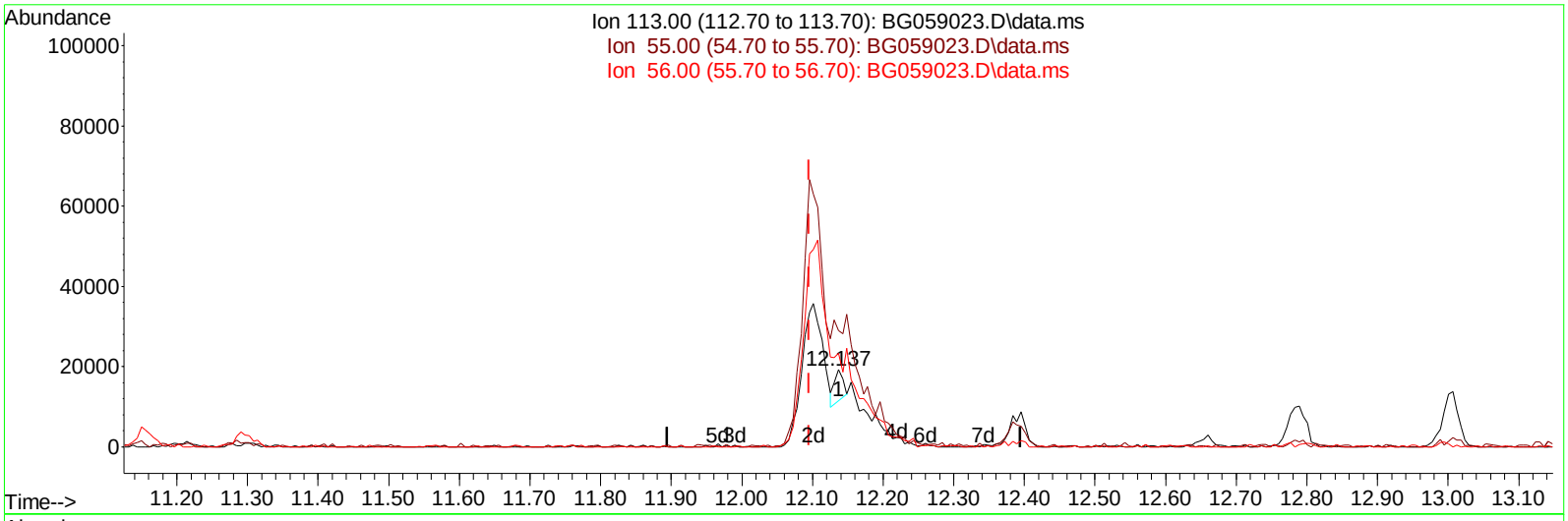
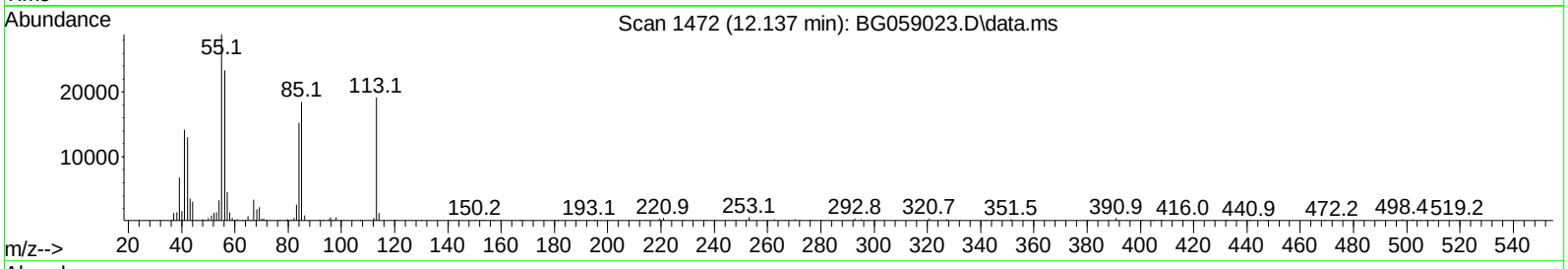
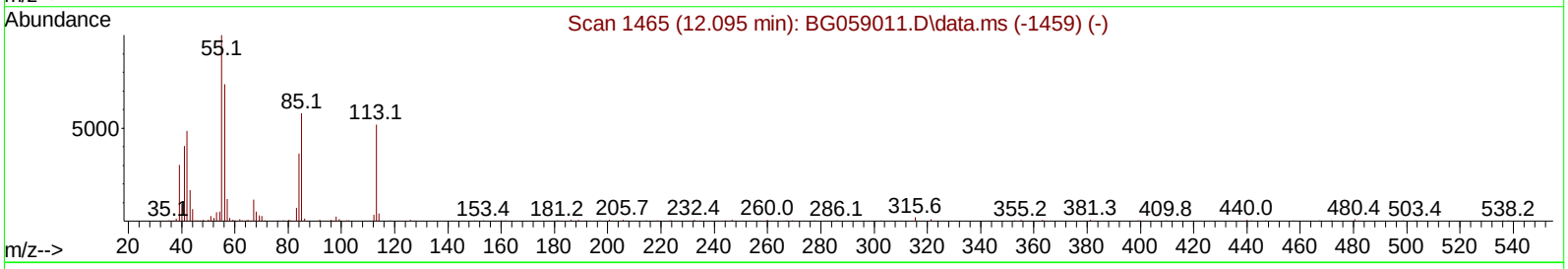



TIC: BG059023.D\data.ms

**(34) Caprolactam**

**12.137min (+ 0.042) 2.45 ng/ul**

**response 6784**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 175.60 | 150.73 |
| 56.00 | 113.00 | 121.96 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

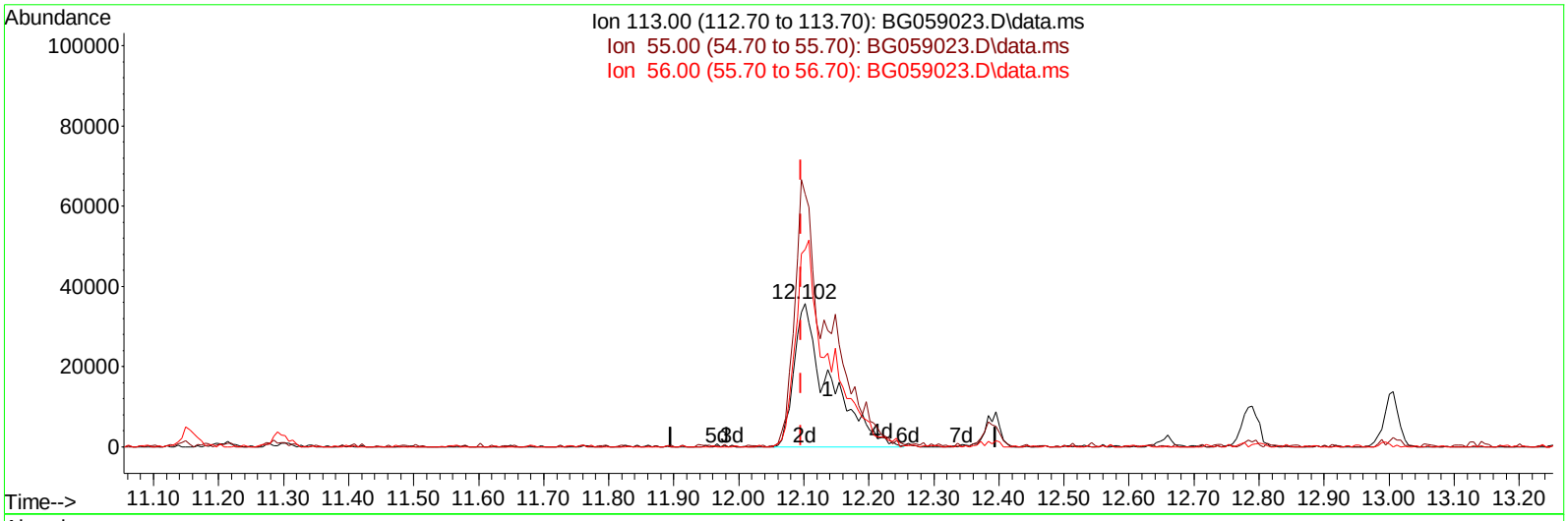
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059023.D
Acq On : 12 Sep 2023 23:27
Operator : MA/JU
Sample : PB155220BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

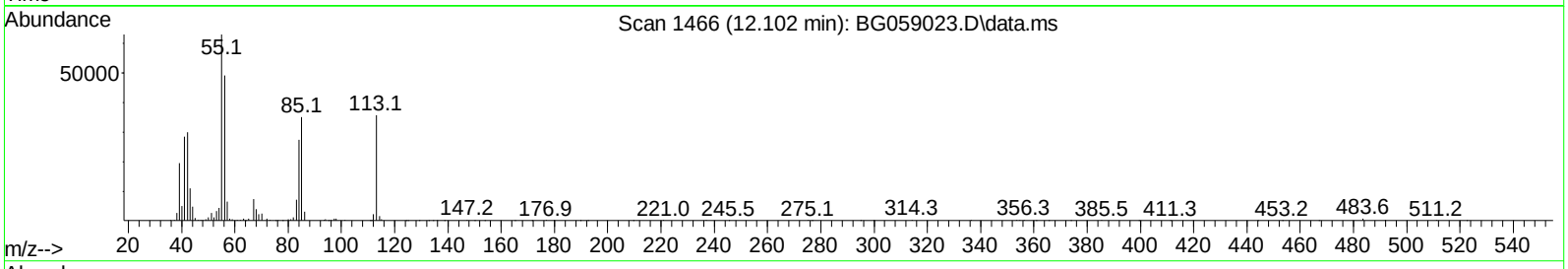
Quant Time: Sep 13 00:47:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
Response via : Initial Calibration

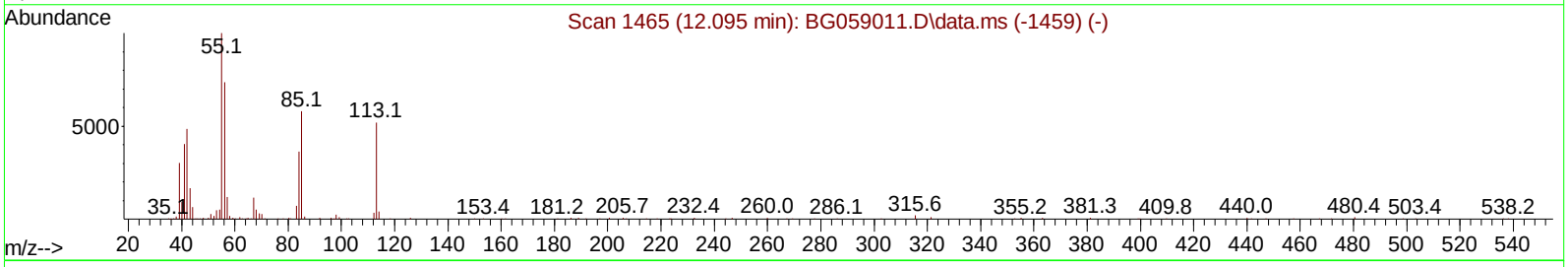
**Instrument :**
BNA_G
**ClientSampleId :**
SLCS220

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023




TIC: BG059023.D\data.ms

**(34) Caprolactam**

**12.102min (+ 0.006) 48.54 ng/ul m**

**response 134366**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 175.60 | 176.55 |
| 56.00 | 113.00 | 137.84# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

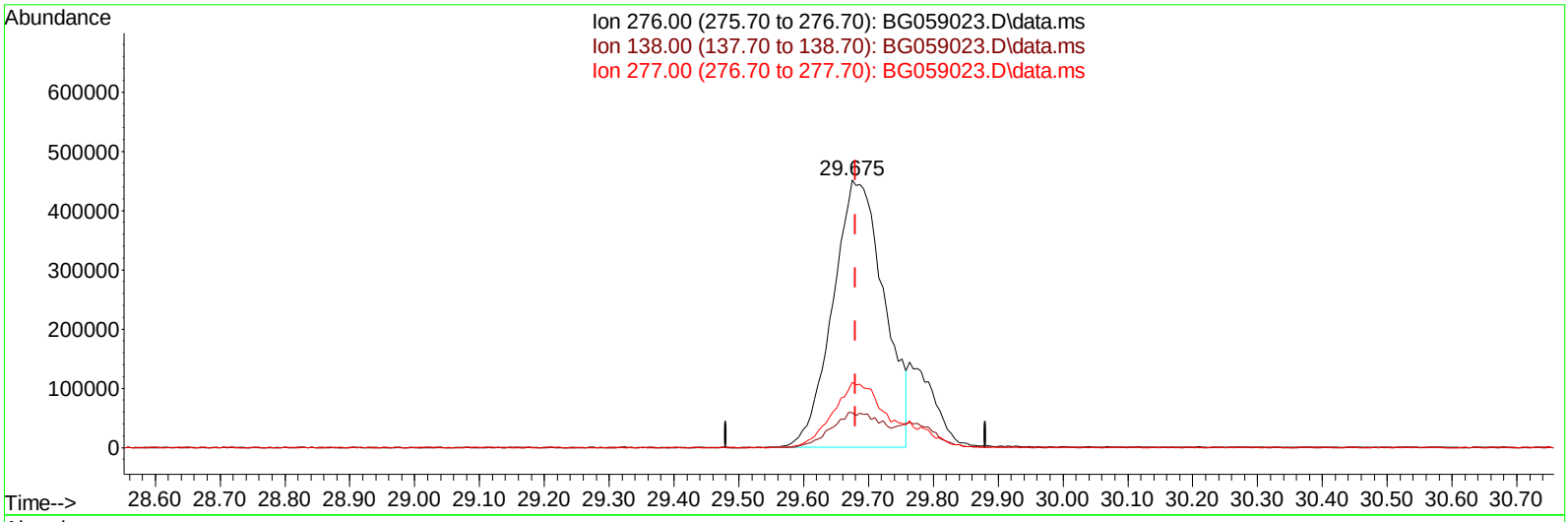
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059023.D
Acq On : 12 Sep 2023 23:27
Operator : MA/JU
Sample : PB155220BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

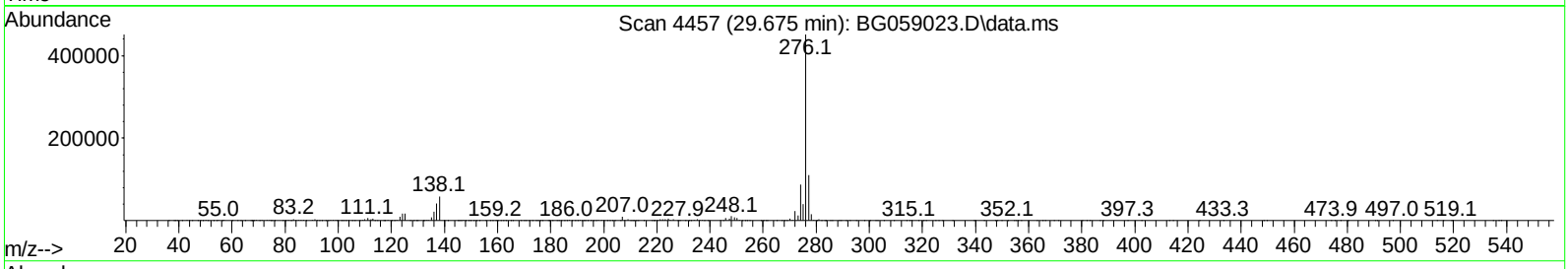
Quant Time: Sep 13 00:47:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
Response via : Initial Calibration

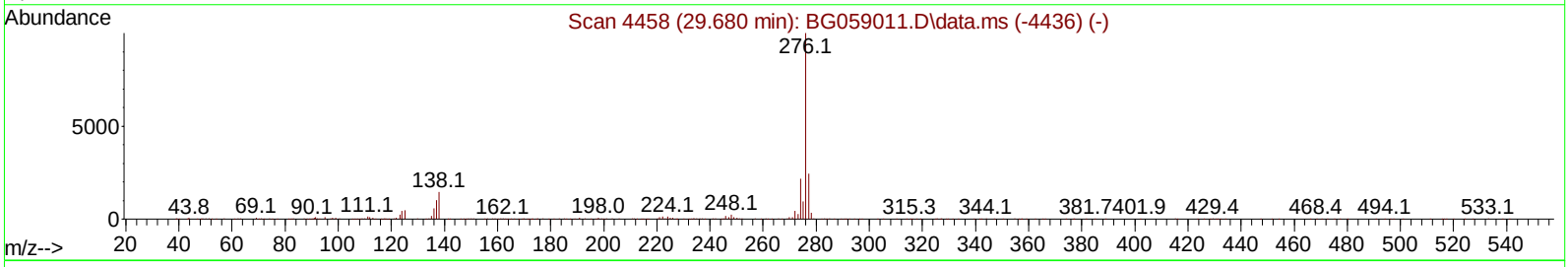
**Instrument :**
BNA_G
**ClientSampleId :**
SLCS220

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023




TIC: BG059023.D\data.ms

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

**29.675min (-0.005) 33.78 ng/ul**

**response 2479076**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 14.80 | 13.01 |
| 277.00 | 25.90 | 24.34 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

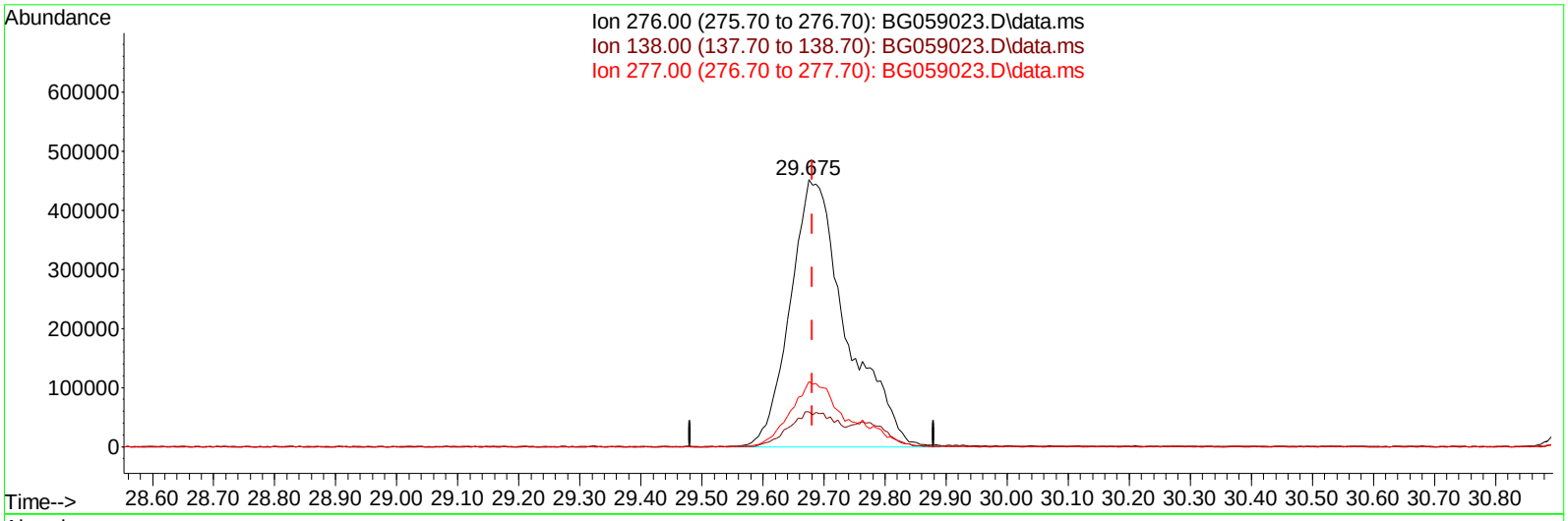
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059023.D
Acq On : 12 Sep 2023 23:27
Operator : MA/JU
Sample : PB155220BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

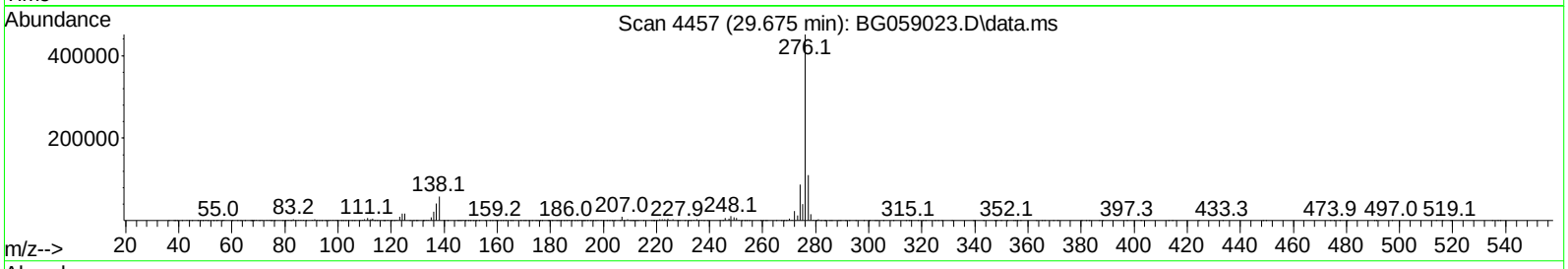
Quant Time: Sep 13 00:47:07 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
Response via : Initial Calibration

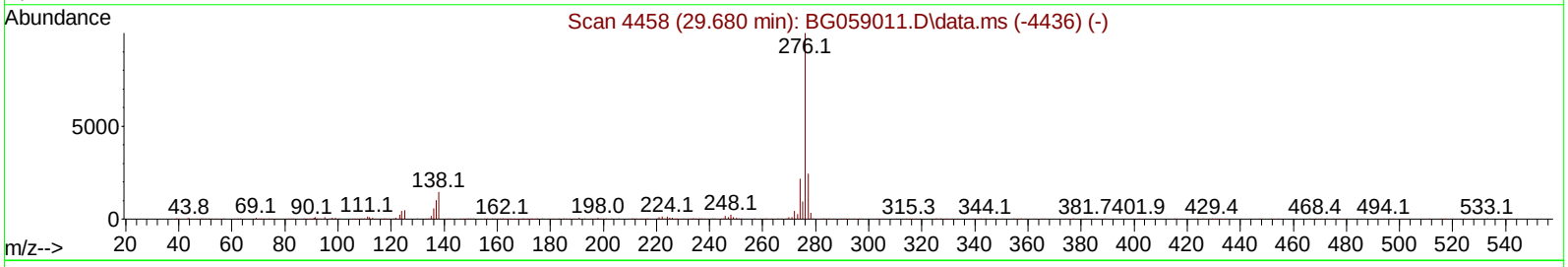
**Instrument :**
BNA_G
**ClientSampleId :**
SLCS220

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023




TIC: BG059023.D\data.ms

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

**29.675min (-0.005) 39.38 ng/ul m**

**response 2890014**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 14.80 | 13.01 |
| 277.00 | 25.90 | 24.34 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059023.D
Acq On : 12 Sep 2023 23:27
Operator : MA/JU
Sample : PB155220BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 13 00:48:24 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SLCS220

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.312 | 152 | 100007 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 11.156 | 136 | 486776 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.939 | 164 | 381766 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.689 | 188 | 1015708 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 22.008 | 240 | 915932 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.562 | 264 | 1045065 | 20.000 | ng/ul | -0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.623 | 96 | 17773 | 7.554 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 4.058 | 84 | 254639 | 34.184 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.419 | 99 | 402348 | 39.897 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.630 | 67 | 212174 | 35.880 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.824 | 132 | 254196 | 39.301 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.993 | 113 | 309940 | 39.780 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.510 | 128 | 129604 | 36.706 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.227 | 143 | 164381 | 42.428 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.750 | 165 | 325161 | 39.490 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.297 | 131 | 425291 | 38.408 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.334 | 166 | 1188044 | 40.119 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.640 | 160 | 1242780 | 37.687 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 15.110 | 143 | 220998 | 44.928 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.927 | 176 | 1065399 | 40.540 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 16.032 | 200 | 210480 | 42.216 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.789 | 188 | 1691044 | 37.504 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 20.057 | 212 | 1954037 | 40.273 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 25.321 | 264 | 1958169 | 38.224 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.664 | 88 | 40025 | 13.203 | ng/uL# | 67 |
| 5) Pyridine | 4.076 | 79 | 276333 | 34.742 | ng/ul | 98 |
| 6) Benzaldehyde | 7.454 | 77 | 231461 | 37.531 | ng/ul | 85 |
| 8) Phenol | 7.454 | 94 | 426219 | 39.743 | ng/ul | 97 |
| 10) Bis(2-Chloroethyl)ether | 7.724 | 93 | 297142 | 37.910 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.859 | 128 | 269915 | 40.373 | ng/ul | 99 |
| 13) 2-Methylphenol | 8.729 | 108 | 322223 | 39.904 | ng/ul | 98 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.829 | 45 | 349255m | 37.107 | ng/ul | |
| 16) Acetophenone | 9.158 | 105 | 526546 | 40.763 | ng/ul | 92 |
| 17) N-Nitroso-di-n-propyla... | 9.123 | 70 | 283089 | 39.096 | ng/ul# | 96 |
| 18) 4-Methylphenol | 9.064 | 108 | 366394 | 41.547 | ng/ul | 98 |
| 19) Hexachloroethane | 9.399 | 117 | 113282 | 40.429 | ng/ul# | 82 |
| 22) Nitrobenzene | 9.552 | 77 | 392421 | 37.124 | ng/ul | 93 |
| 23) Isophorone | 10.063 | 82 | 893976 | 39.814 | ng/ul | 99 |
| 25) 2-Nitrophenol | 10.257 | 139 | 160731 | 40.686 | ng/ul | 98 |
| 26) 2,4-Dimethylphenol | 10.280 | 107 | 369060 | 37.696 | ng/ul | 95 |
| 27) Bis(2-Chloroethoxy)met... | 10.545 | 93 | 458668 | 38.114 | ng/ul | 96 |
| 29) 2,4-Dichlorophenol | 10.780 | 162 | 310202 | 39.768 | ng/ul | 98 |
| 30) Naphthalene | 11.209 | 128 | 978117 | 38.120 | ng/ul | 98 |
| 32) 4-Chloroaniline | 11.320 | 127 | 386662 | 36.371 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 11.438 | 225 | 215061 | 35.237 | ng/ul | 91 |
| 34) Caprolactam | 12.102 | 113 | 134366m | 48.537 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.389 | 107 | 410024 | 42.783 | ng/ul | 95 |

Quantitation Report (QT Reviewed)

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SLCS220

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.783 | 142 | 734071 | 38.339 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 13.006 | 142 | 710753 | 37.635 | ng/ul | 94 |
| 39) 1,2,4,5-Tetrachloroben... | 13.130 | 216 | 443058 | 35.553 | ng/ul | 96 |
| 40) Hexachlorocyclopentadiene | 13.083 | 237 | 269522 | 29.393 | ng/ul# | 97 |
| 41) 2,4,6-Trichlorophenol | 13.365 | 196 | 297915 | 37.657 | ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 13.435 | 196 | 320126 | 37.377 | ng/ul | 98 |
| 43) 1,1'-Biphenyl | 13.776 | 154 | 1063868 | 37.280 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.829 | 162 | 834420 | 38.284 | ng/ul | 99 |
| 45) 2-Nitroaniline | 14.040 | 65 | 285395 | 42.695 | ng/ul | 96 |
| 47) Dimethylphthalate | 14.381 | 163 | 1151628 | 41.130 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.528 | 165 | 236790 | 44.458 | ng/ul | 94 |
| 50) Acenaphthylene | 14.669 | 152 | 1352042 | 37.607 | ng/ul | 98 |
| 51) 3-Nitroaniline | 14.863 | 138 | 235801 | 46.134 | ng/ul | 91 |
| 52) Acenaphthene | 15.004 | 153 | 955075 | 39.587 | ng/ul | 96 |
| 53) 2,4-Dinitrophenol | 15.057 | 184 | 145003 | 42.238 | ng/ul | 91 |
| 55) 4-Nitrophenol | 15.127 | 109 | 241300 | 41.577 | ng/ul | 96 |
| 56) Dibenzofuran | 15.333 | 168 | 1383836 | 39.601 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 15.298 | 165 | 339267 | 46.163 | ng/ul# | 85 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.539 | 232 | 328375 | 40.138 | ng/ul# | 89 |
| 59) Diethylphthalate | 15.727 | 149 | 1170666 | 42.409 | ng/ul | 96 |
| 61) Fluorene | 15.985 | 166 | 1187247 | 41.337 | ng/ul | 96 |
| 62) 4-Chlorophenyl-phenyle... | 15.968 | 204 | 605003 | 39.810 | ng/ul | 99 |
| 63) 4-Nitroaniline | 16.026 | 138 | 247510 | 51.095 | ng/ul | 88 |
| 66) 4,6-Dinitro-2-methylph... | 16.050 | 198 | 224868 | 41.324 | ng/ul# | 88 |
| 67) N-Nitrosodiphenylamine | 16.185 | 169 | 1018522 | 38.043 | ng/ul | 95 |
| 68) 4-Bromophenyl-phenylether | 16.861 | 248 | 422067 | 37.879 | ng/ul | 89 |
| 69) Hexachlorobenzene | 16.955 | 284 | 474167 | 37.069 | ng/ul | 95 |
| 70) Atrazine | 17.119 | 200 | 274796 | 26.227 | ng/ul | 97 |
| 71) Pentachlorophenol | 17.307 | 266 | 295935 | 37.532 | ng/ul | 93 |
| 72) Phenanthrene | 17.730 | 178 | 1970551 | 38.226 | ng/ul | 98 |
| 74) Anthracene | 17.824 | 178 | 2013159 | 38.424 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachloroben... | 13.735 | 216 | 45121 | 3.079 | ng/uL | 94 |
| 76) Pentachlorobenzene | 15.227 | 250 | 526489 | 37.171 | ng/uL | 95 |
| 77) Carbazole | 18.100 | 167 | 1773300 | 40.418 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.606 | 149 | 1972264 | 40.550 | ng/ul | 100 |
| 80) Fluoranthene | 19.722 | 202 | 2310395 | 41.005 | ng/ul# | 97 |
| 82) Pyrene | 20.086 | 202 | 2346949 | 40.067 | ng/ul# | 96 |
| 83) Butylbenzylphthalate | 20.950 | 149 | 850747 | 45.962 | ng/ul | 96 |
| 84) 3,3'-Dichlorobenzidine | 21.896 | 252 | 897824 | 44.182 | ng/ul | 91 |
| 85) Benzo(a)anthracene | 21.984 | 228 | 2385468 | 38.835 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.825 | 149 | 1230451 | 44.386 | ng/ul | 100 |
| 87) Chrysene | 22.060 | 228 | 2258077 | 39.544 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 23.159 | 149 | 2100442 | 43.691 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.417 | 252 | 2493074 | 40.047 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 24.493 | 252 | 2452477 | 38.549 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 25.404 | 252 | 2199246 | 37.863 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 29.675 | 276 | 2890014m | 39.378 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 29.769 | 278 | 2376351 | 39.076 | ng/ul | 96 |
| 96) Benzo(g,h,i)perylene | 30.997 | 276 | 2358107 | 40.594 | ng/ul | 98 |

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

**Instrument :**
BNA_G
**ClientSampleId :**
SLCS220

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/13/2023
Supervised By :mohammad ahmed 09/14/2023

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091223\
Data File : BG059023.D
Acq On : 12 Sep 2023 23:27
Operator : MA/JU
Sample : PB155220BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 13 00:48:24 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG091023.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 12 23:54:19 2023
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
SLCS220

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