Quantitation Report (Qedit)

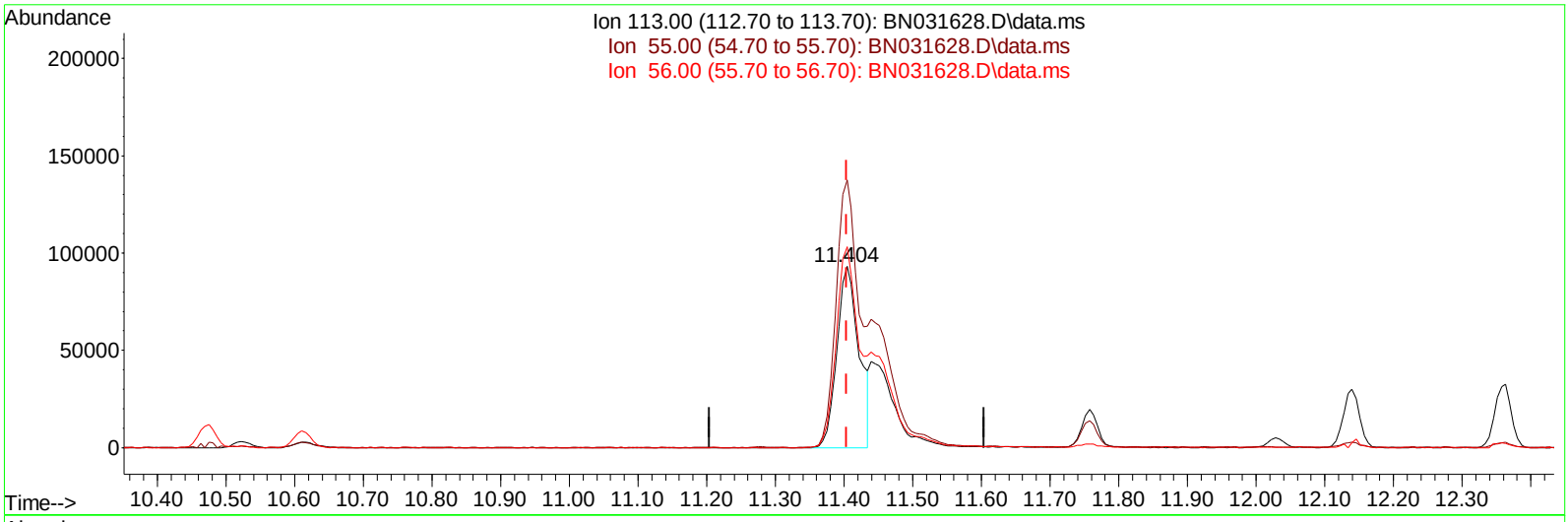
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN052324\
Data File : BN031628.D
Acq On : 23 May 2024 12:14
Operator : MA/JU
Sample : PB161002BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

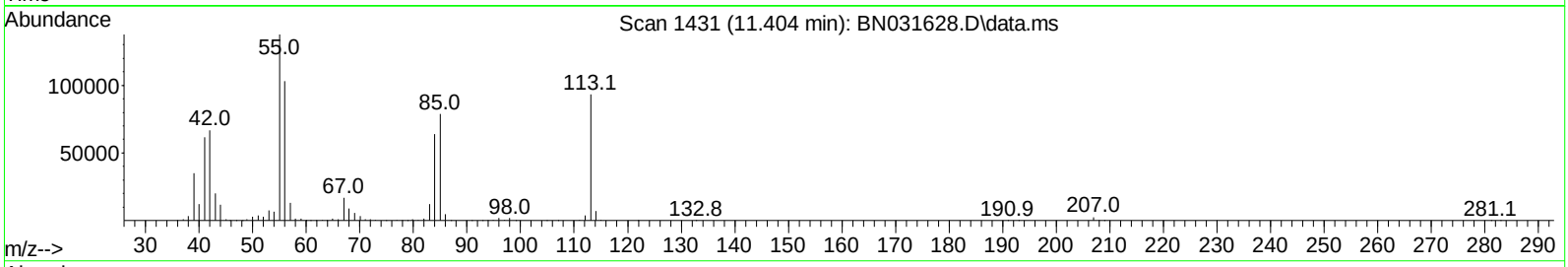
Quant Time: May 23 22:50:24 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 23:42:49 2024
Response via : Initial Calibration

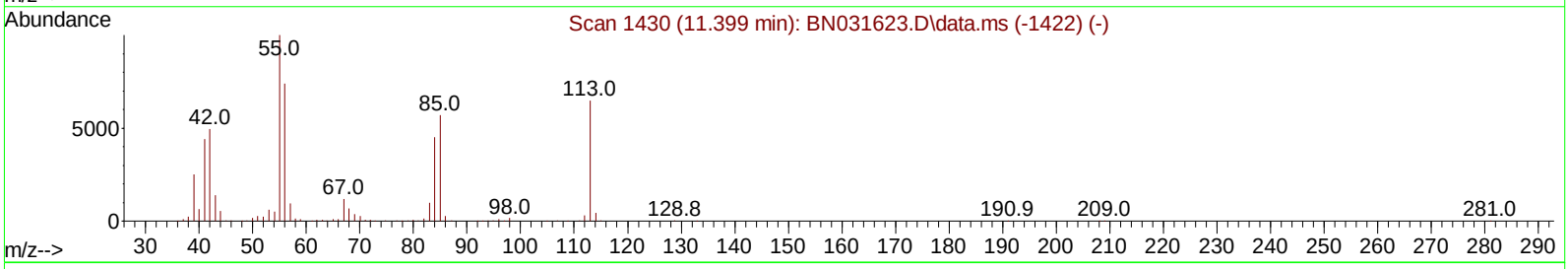
**Instrument :**
BNA_N
**ClientSampleId :**
SLCS002

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024




TIC: BN031628.D\data.ms

**(34) Caprolactam**

**11.404min (+ 0.000) 22.74 ng/ul**

**response 208109**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 143.30 | 147.59 |
| 56.00 | 105.40 | 110.71 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
BNA_N
**ClientSampleId :**
SLCS002

**Manual IntegrationsAPPROVED**

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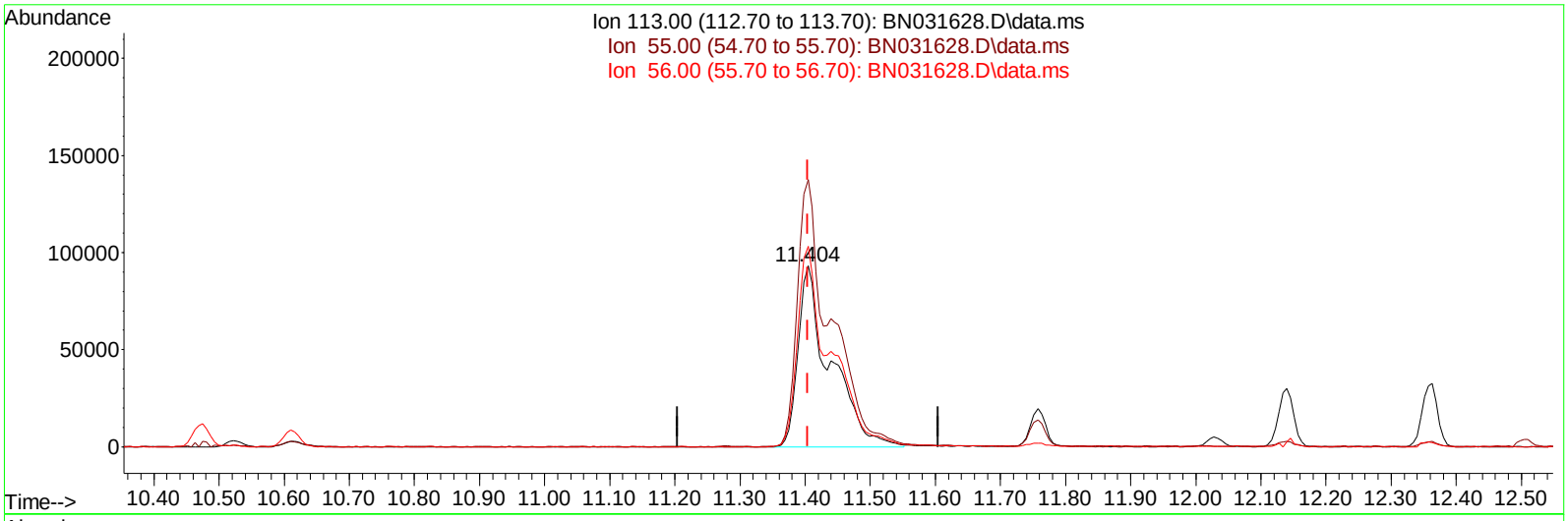


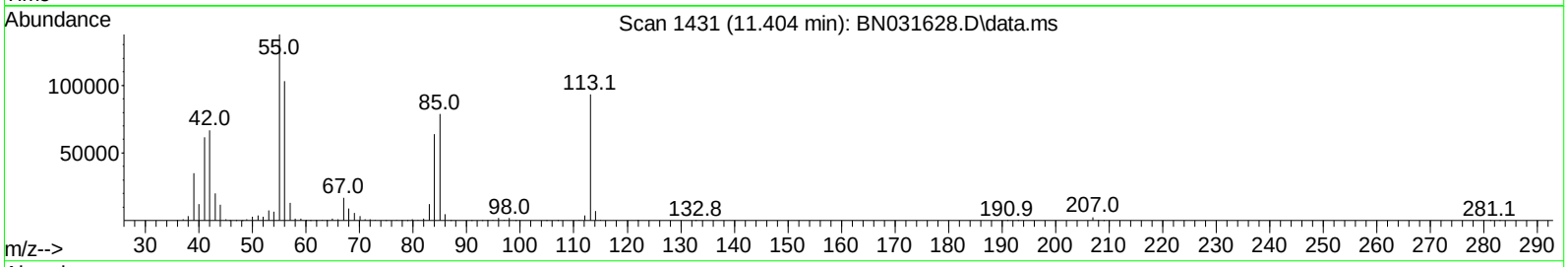


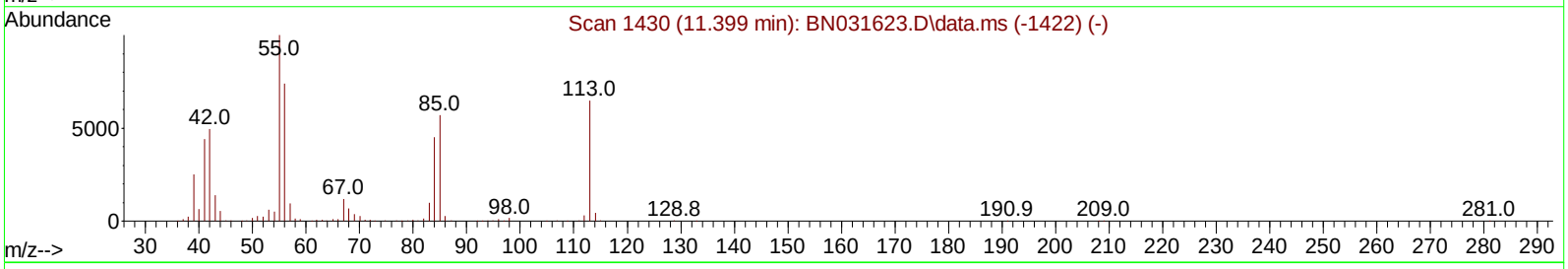


TIC: BN031628.D\data.ms

**(34) Caprolactam**

**11.404min (+ 0.000) 34.64 ng/ul m**

**response 316943**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 143.30 | 147.59 |
| 56.00 | 105.40 | 110.71 |
| 0.00 | 0.00 | 0.00 |

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SLCS002

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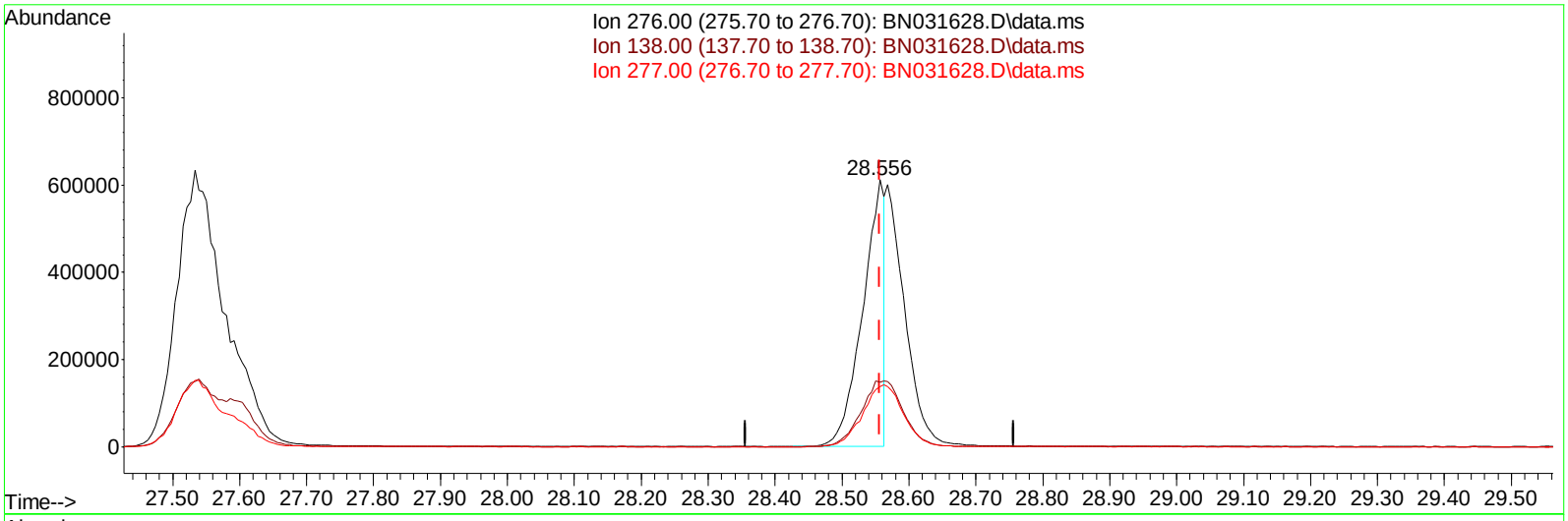


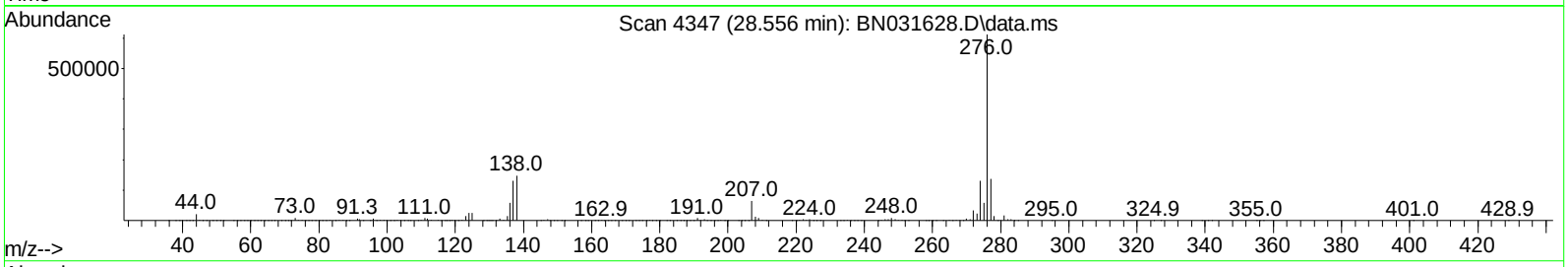


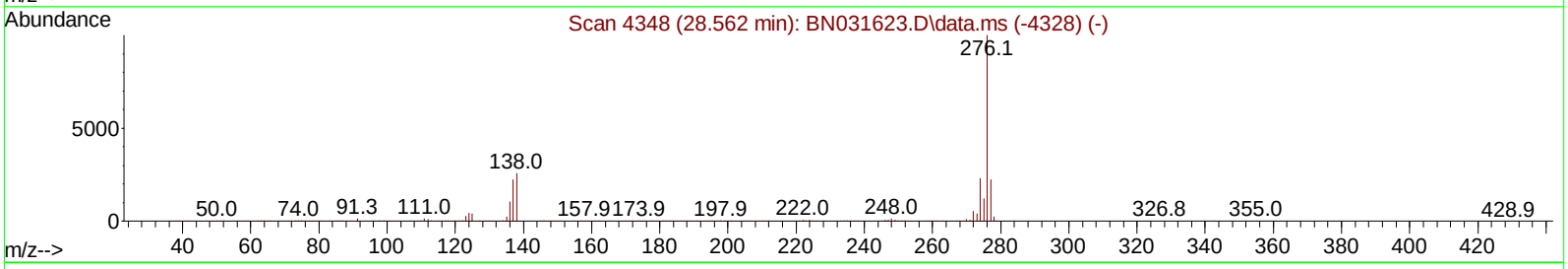


TIC: BN031628.D\data.ms

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

**28.556min (+ 0.000) 18.54 ng/ul**

**response 1381241**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 24.40 | 24.22 |
| 277.00 | 22.00 | 22.46 |
| 0.00 | 0.00 | 0.00 |

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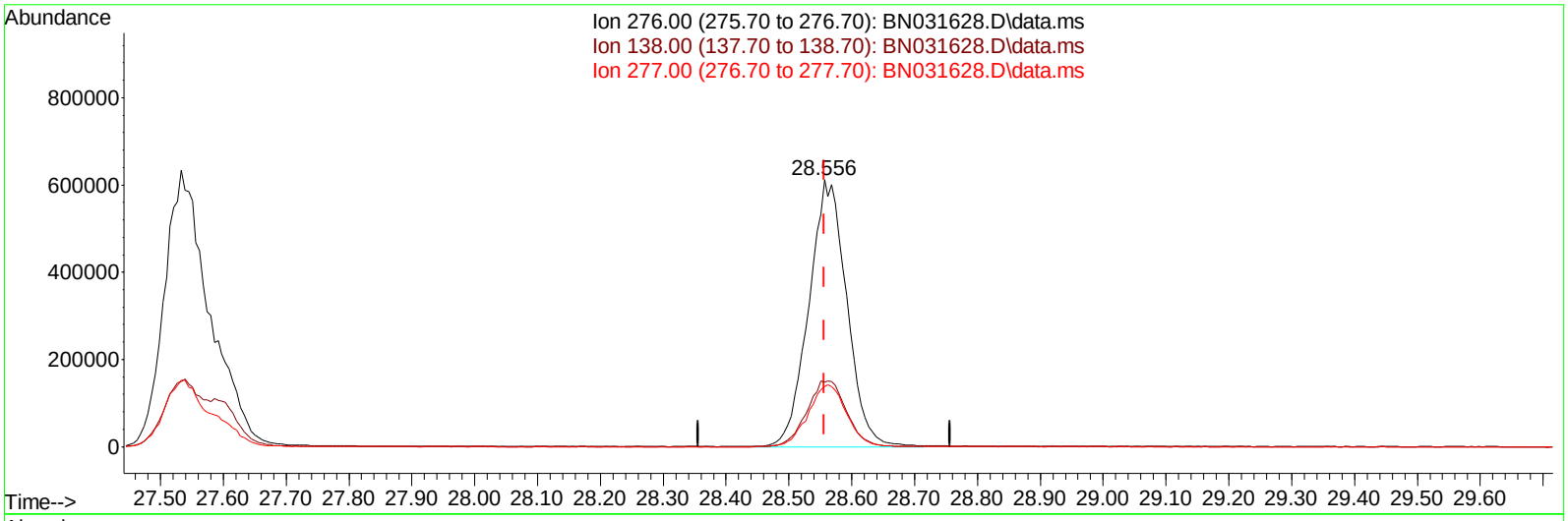
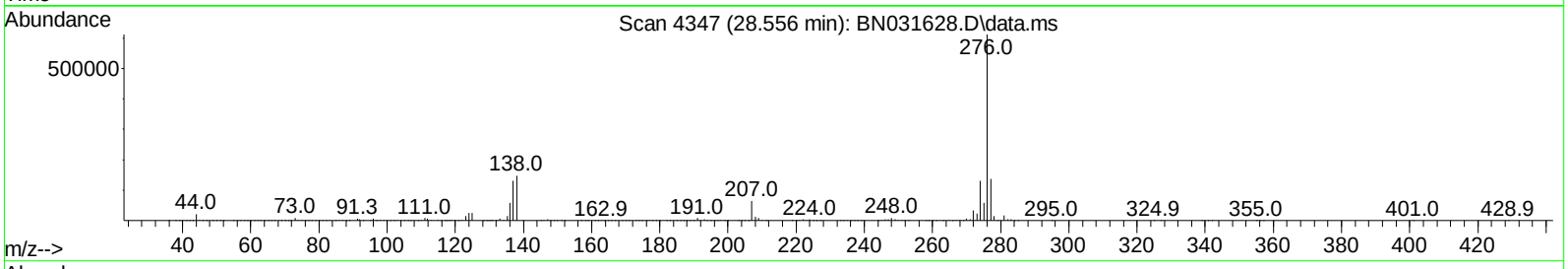
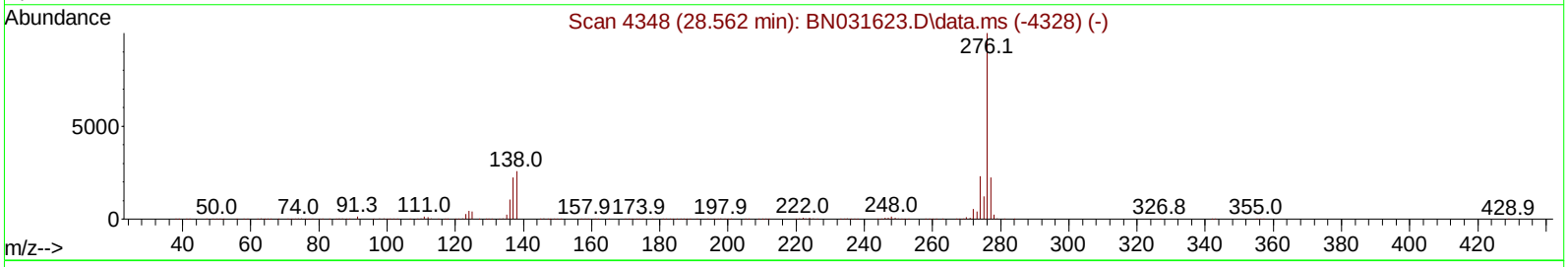
**Instrument :**
BNA_N
**ClientSampleId :**
SLCS002

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024




TIC: BN031628.D\data.ms

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

**28.556min (+ 0.000) 34.42 ng/ul m**

**response 2563952**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 24.40 | 24.22 |
| 277.00 | 22.00 | 22.46 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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Operator : MA/JU
Sample : PB161002BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 23 23:04:07 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN052124.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 23:42:49 2024
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS002

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 05/24/2024
Supervised By :mohammad ahmed 05/25/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.693 | 152 | 465600 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.475 | 136 | 2016946 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.328 | 164 | 1190319 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.075 | 188 | 2114647 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.304 | 240 | 1328475 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.239 | 264 | 1340248 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.199 | 96 | 68009 | 5.790 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.599 | 84 | 1015708 | 30.985 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.858 | 99 | 1258409 | 32.833 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.028 | 67 | 752416 | 32.731 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.222 | 132 | 950564 | 32.186 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.393 | 113 | 984062 | 33.166 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.846 | 128 | 470806 | 30.843 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.563 | 143 | 454766 | 31.199 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.093 | 165 | 902336 | 31.660 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.610 | 131 | 1475883 | 35.924 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.745 | 166 | 2570455 | 34.266 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.022 | 160 | 3114929 | 33.131 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.528 | 143 | 485371 | 34.197 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.322 | 176 | 2187998 | 33.657 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.439 | 200 | 281364 | 30.775 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.169 | 188 | 3021259 | 33.750 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.469 | 212 | 2952354 | 35.430 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.033 | 264 | 2225102 | 35.270 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.234 | 88 | 148750 | 12.017 | ng/uL | 98 |
| 5) Pyridine | 3.622 | 79 | 1014135 | 31.434 | ng/ul | 95 |
| 6) Benzaldehyde | 6.840 | 77 | 789832 | 40.233 | ng/ul | 96 |
| 8) Phenol | 6.881 | 94 | 1302992 | 33.078 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.122 | 93 | 1015695 | 31.072 | ng/ul | 97 |
| 12) 2-Chlorophenol | 7.258 | 128 | 974886 | 31.475 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.128 | 108 | 951713 | 32.253 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.216 | 45 | 1189934 | 31.514 | ng/ul | 99 |
| 16) Acetophenone | 8.510 | 105 | 1528898 | 33.035 | ng/ul | 100 |
| 17) N-Nitroso-di-n-propyla... | 8.499 | 70 | 766449 | 32.236 | ng/ul | 99 |
| 18) 4-Methylphenol | 8.457 | 108 | 1055542 | 33.659 | ng/ul | 98 |
| 19) Hexachloroethane | 8.763 | 117 | 398200 | 30.090 | ng/ul | 100 |
| 22) Nitrobenzene | 8.887 | 77 | 1125630 | 30.102 | ng/ul | 96 |
| 23) Isophorone | 9.410 | 82 | 2217015 | 31.168 | ng/ul | 100 |
| 25) 2-Nitrophenol | 9.593 | 139 | 522366 | 32.153 | ng/ul | 99 |
| 26) 2,4-Dimethylphenol | 9.652 | 107 | 904133 | 27.243 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 9.893 | 93 | 1386599 | 30.579 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.122 | 162 | 907554 | 32.120 | ng/ul | 98 |
| 30) Naphthalene | 10.522 | 128 | 3107443 | 29.937 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.634 | 127 | 1273157 | 31.759 | ng/ul | 96 |
| 33) Hexachlorobutadiene | 10.804 | 225 | 504185 | 29.160 | ng/ul | 98 |
| 34) Caprolactam | 11.404 | 113 | 316943m | 34.635 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.757 | 107 | 1032324 | 33.644 | ng/ul | 98 |

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SLCS002

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 05/24/2024
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.140 | 142 | 2116400 | 31.157 | ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.357 | 142 | 2148603 | 31.954 | ng/ul | 97 |
| 39) 1,2,4,5-Tetrachloroben... | 12.510 | 216 | 1042390 | 30.943 | ng/ul | 93 |
| 40) Hexachlorocyclopentadiene | 12.487 | 237 | 473615 | 23.453 | ng/ul | 98 |
| 41) 2,4,6-Trichlorophenol | 12.751 | 196 | 665425 | 31.966 | ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 12.822 | 196 | 740005 | 32.839 | ng/ul | 91 |
| 43) 1,1'-Biphenyl | 13.163 | 154 | 2685848 | 31.298 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.198 | 162 | 2106014 | 30.994 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.410 | 65 | 621652 | 34.948 | ng/ul | 99 |
| 47) Dimethylphthalate | 13.793 | 163 | 2547468 | 33.281 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 13.910 | 165 | 503821 | 34.537 | ng/ul | 98 |
| 50) Acenaphthylene | 14.051 | 152 | 3372510 | 31.074 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.240 | 138 | 582406 | 35.173 | ng/ul | 98 |
| 52) Acenaphthene | 14.392 | 153 | 2211729 | 31.453 | ng/ul | 95 |
| 53) 2,4-Dinitrophenol | 14.440 | 184 | 198257 | 29.595 | ng/ul | 93 |
| 55) 4-Nitrophenol | 14.540 | 109 | 365738 | 34.199 | ng/ul | 99 |
| 56) Dibenzofuran | 14.728 | 168 | 3082871 | 32.840 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 14.692 | 165 | 724727 | 37.083 | ng/ul | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.951 | 232 | 553304 | 33.800 | ng/ul | 99 |
| 59) Diethylphthalate | 15.163 | 149 | 2487256 | 34.484 | ng/ul | 97 |
| 61) Fluorene | 15.381 | 166 | 2422658 | 32.946 | ng/ul | 96 |
| 62) 4-Chlorophenyl-phenyle... | 15.381 | 204 | 1155368 | 32.636 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.398 | 138 | 554616 | 37.347 | ng/ul | 95 |
| 66) 4,6-Dinitro-2-methylph... | 15.457 | 198 | 327359 | 32.650 | ng/ul | 96 |
| 67) N-Nitrosodiphenylamine | 15.592 | 169 | 2087591 | 33.536 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.269 | 248 | 680997 | 31.985 | ng/ul | 99 |
| 69) Hexachlorobenzene | 16.375 | 284 | 777476 | 33.834 | ng/ul | 94 |
| 70) Atrazine | 16.545 | 200 | 479693 | 28.632 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.716 | 266 | 420765 | 32.102 | ng/ul | 96 |
| 72) Phenanthrene | 17.116 | 178 | 3633447 | 33.857 | ng/ul | 98 |
| 74) Anthracene | 17.204 | 178 | 3493548 | 32.446 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.122 | 216 | 1020240 | 30.349 | ng/uL | 100 |
| 76) Pentachlorobenzene | 14.645 | 250 | 986113 | 32.395 | ng/uL | 97 |
| 77) Carbazole | 17.475 | 167 | 3183235 | 34.645 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.051 | 149 | 3627272 | 34.381 | ng/ul | 99 |
| 80) Fluoranthene | 19.133 | 202 | 3579024 | 34.748 | ng/ul | 100 |
| 82) Pyrene | 19.498 | 202 | 3683267 | 34.870 | ng/ul | 100 |
| 83) Butylbenzylphthalate | 20.410 | 149 | 1245048 | 34.731 | ng/ul | 98 |
| 84) 3,3'-Dichlorobenzidine | 21.216 | 252 | 839203 | 32.853 | ng/ul | 96 |
| 85) Benzo(a)anthracene | 21.286 | 228 | 3012917 | 33.726 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.222 | 149 | 1686941 | 34.367 | ng/ul | 99 |
| 87) Chrysene | 21.345 | 228 | 2769169 | 33.558 | ng/ul | 97 |
| 89) Di-n-octyl phthalate | 22.339 | 149 | 2490856 | 32.517 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.310 | 252 | 2683365 | 34.309 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 23.374 | 252 | 2714510 | 34.048 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 24.098 | 252 | 2314153 | 30.803 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 27.533 | 276 | 3183900 | 35.311 | ng/ul | 97 |
| 95) Dibenzo(a,h)anthracene | 27.604 | 278 | 2625020 | 35.352 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 28.556 | 276 | 2563952m | 34.417 | ng/ul | |

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

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