Quantitation Report (Qedit)

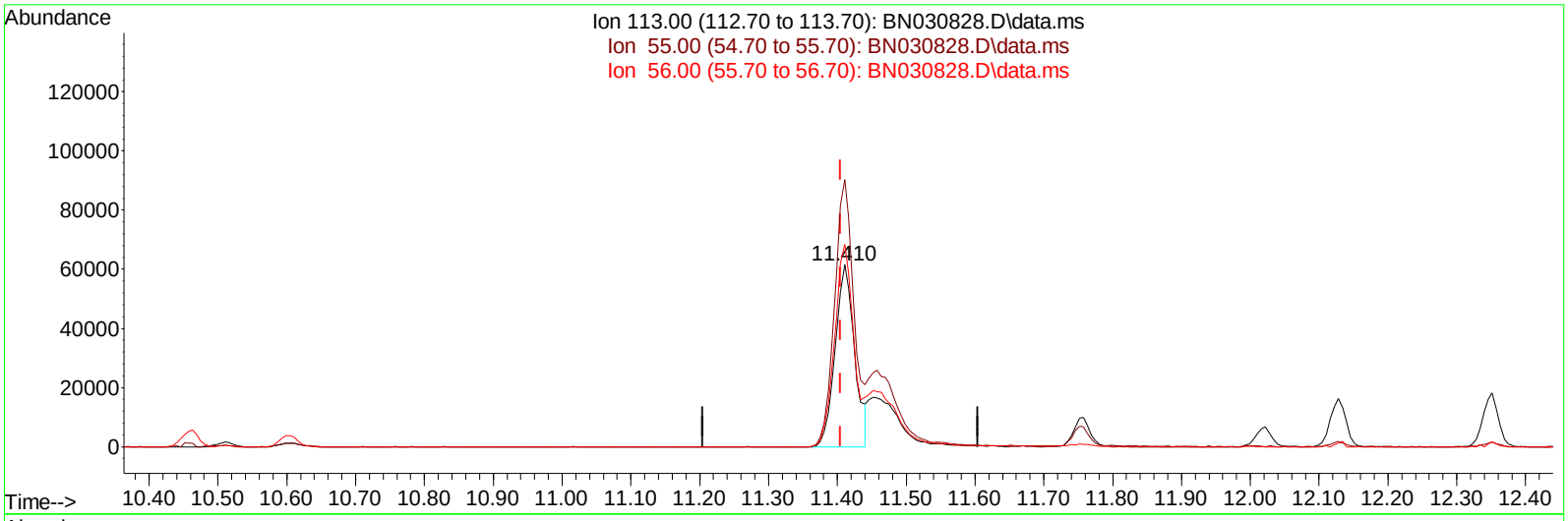
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN041024\
Data File : BN030828.D
Acq On : 10 Apr 2024 23:07
Operator : MA/JU
Sample : PB160141BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

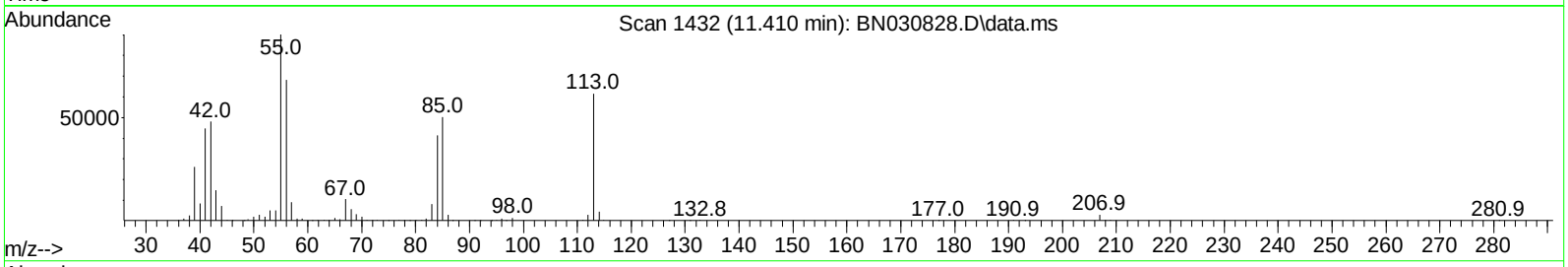
Quant Time: Apr 10 23:39:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN032824.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 09 12:10:11 2024
Response via : Initial Calibration

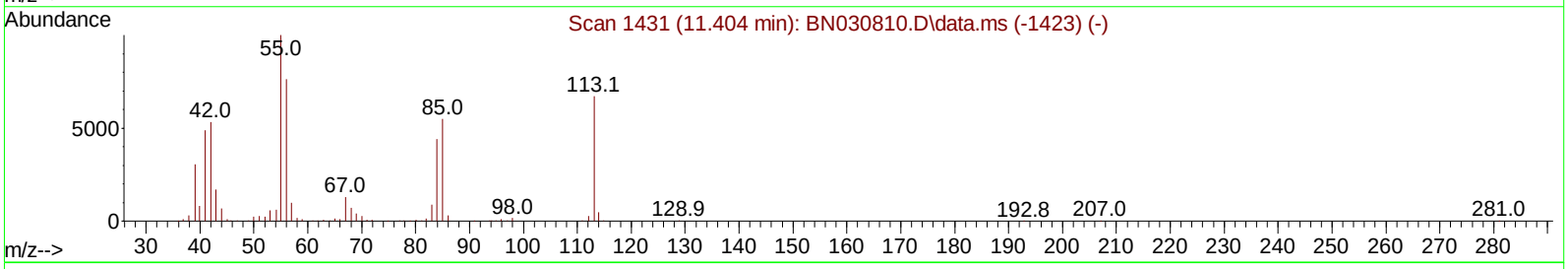
**Instrument :**
BNA_N
**ClientSampleId :**
SLCS141

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/12/2024




TIC: BN030828.D\data.ms

**(34) Caprolactam**

**11.410min (+ 0.006) 25.67 ng/ul**

**response 119445**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 155.90 | 146.63 |
| 56.00 | 113.20 | 111.14 |
| 0.00 | 0.00 | 0.00 |

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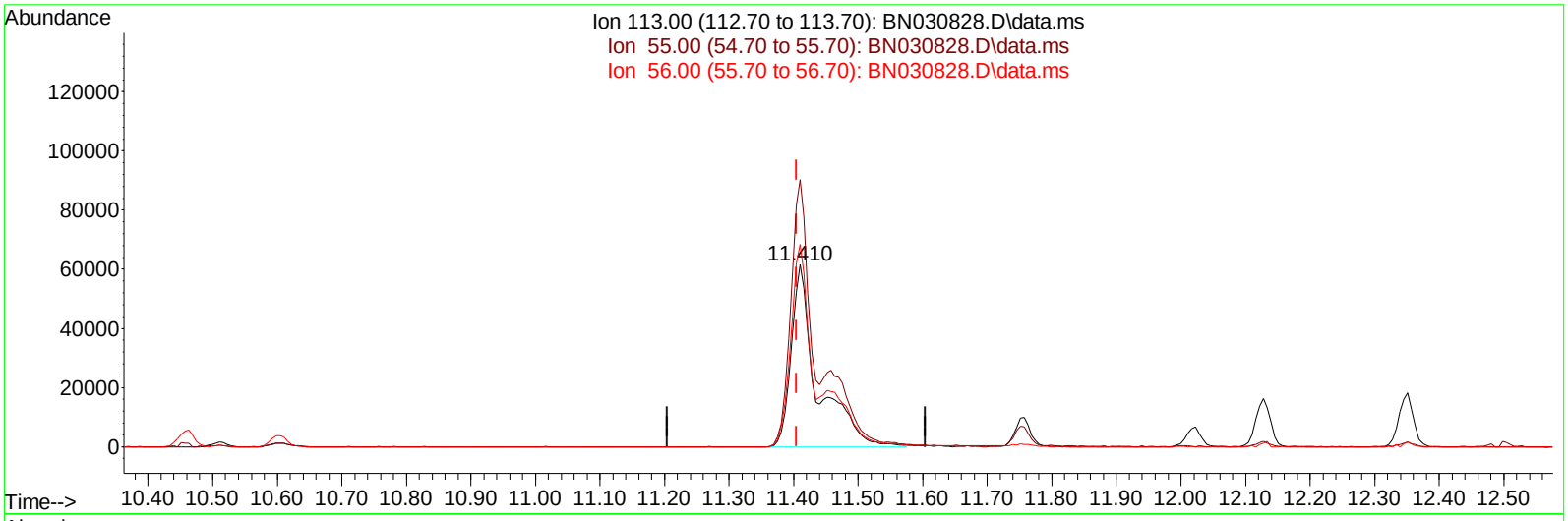


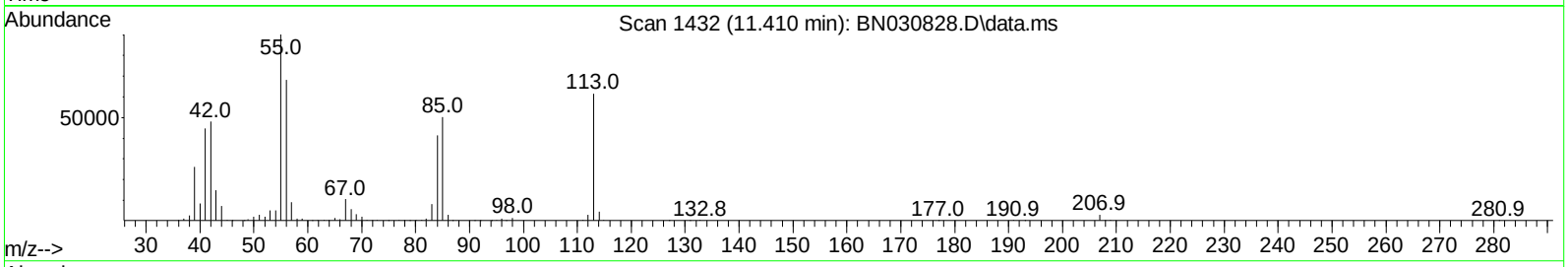


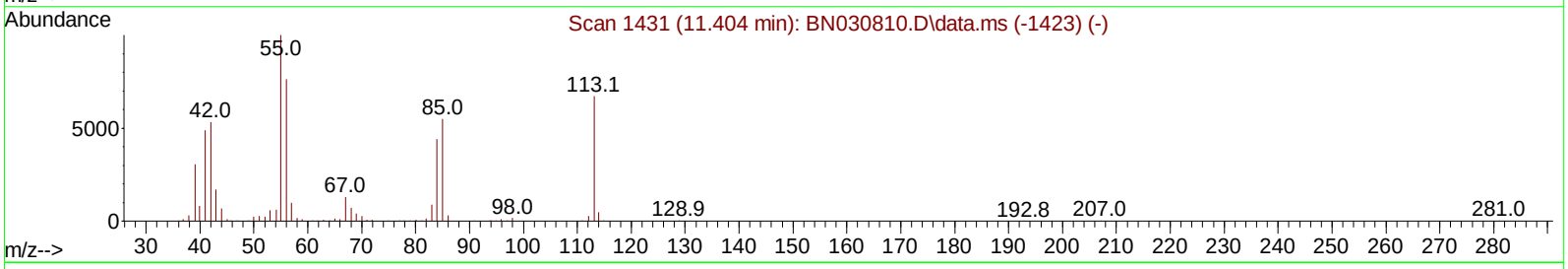


TIC: BN030828.D\data.ms

**(34) Caprolactam**

**11.410min (+ 0.006) 36.86 ng/ul m**

**response 171548**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 155.90 | 146.63 |
| 56.00 | 113.20 | 111.14 |
| 0.00 | 0.00 | 0.00 |

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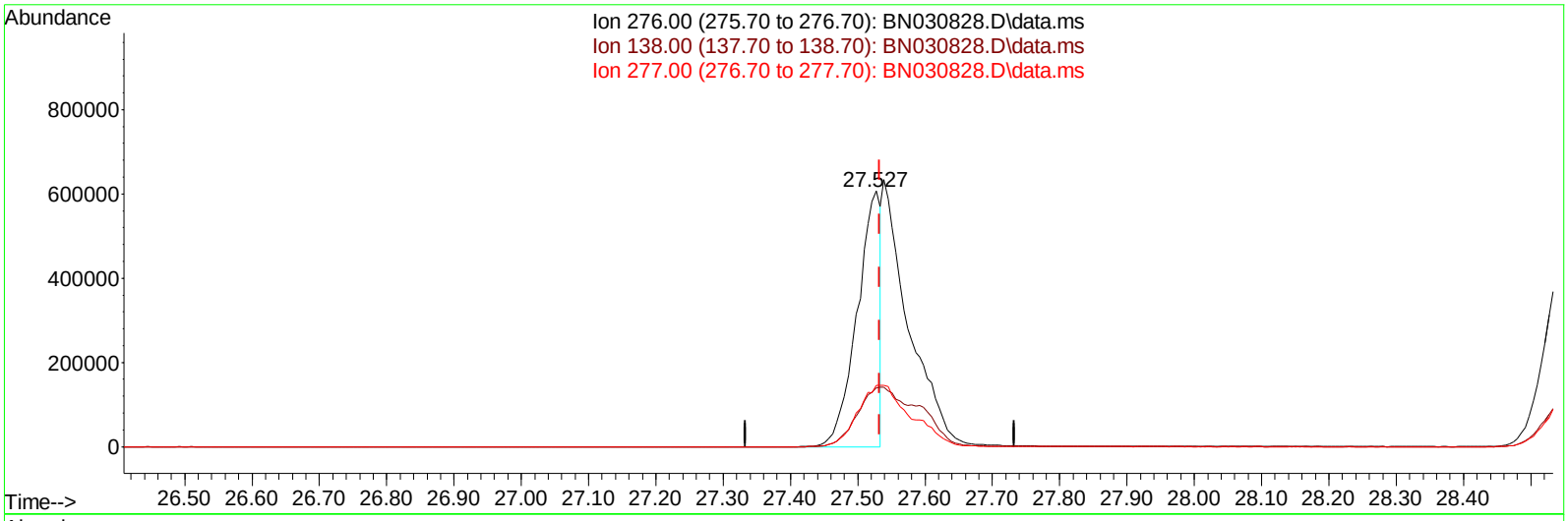


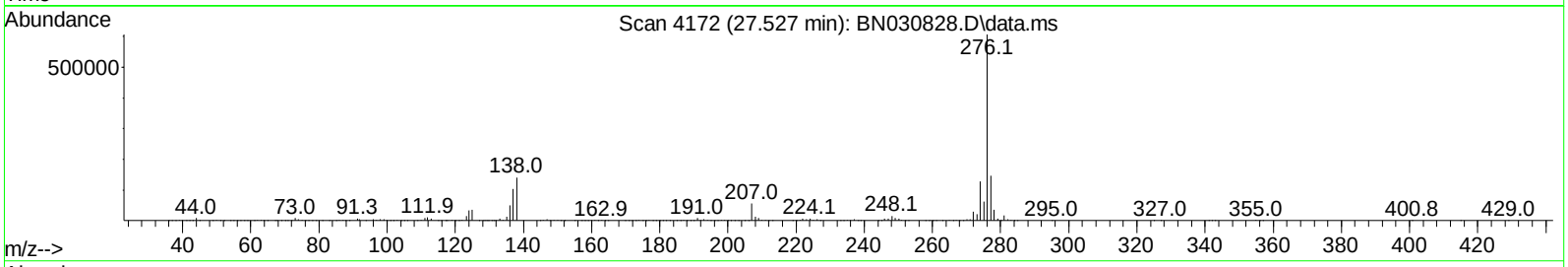


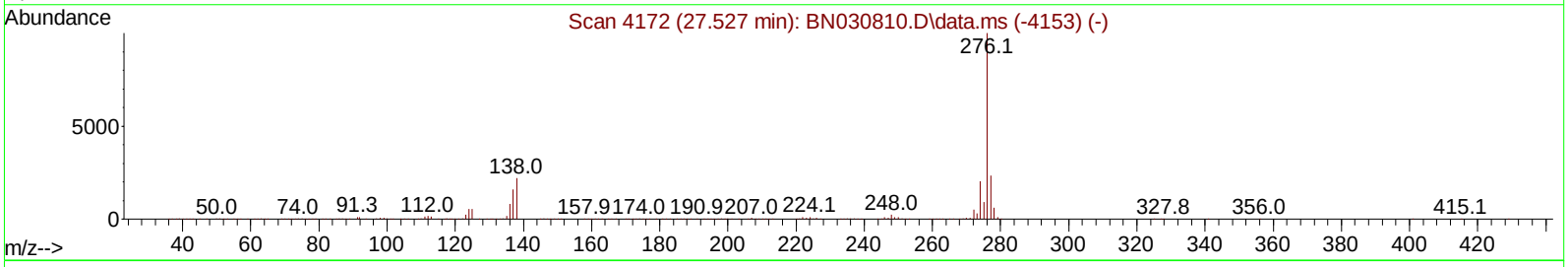


TIC: BN030828.D\data.ms

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

**27.527min (-0.006) 17.63 ng/ul**

**response 1472315**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 22.30 | 23.10 |
| 277.00 | 23.00 | 24.09 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
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**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 04/12/2024
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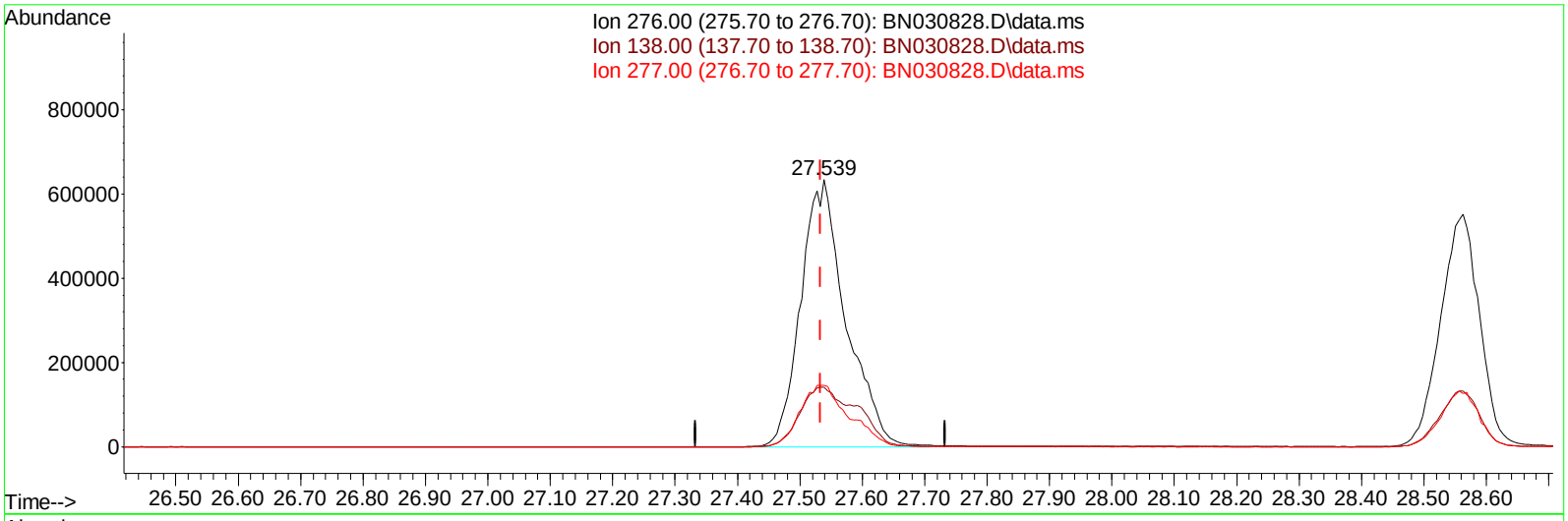


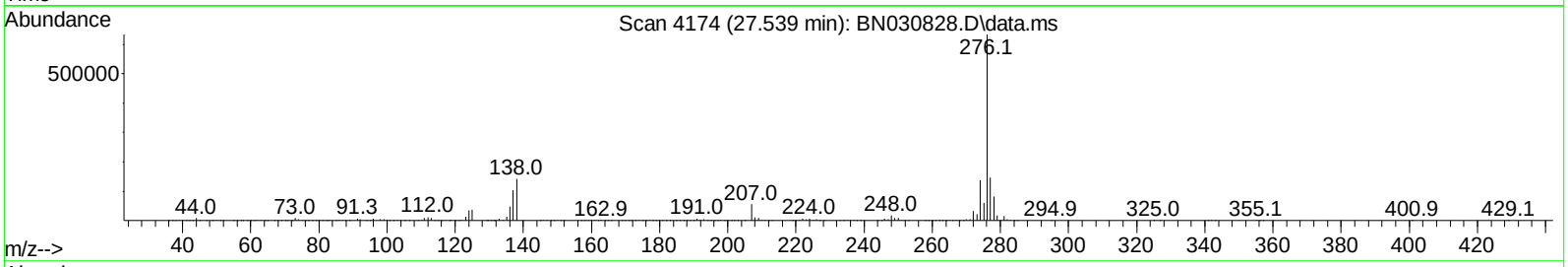


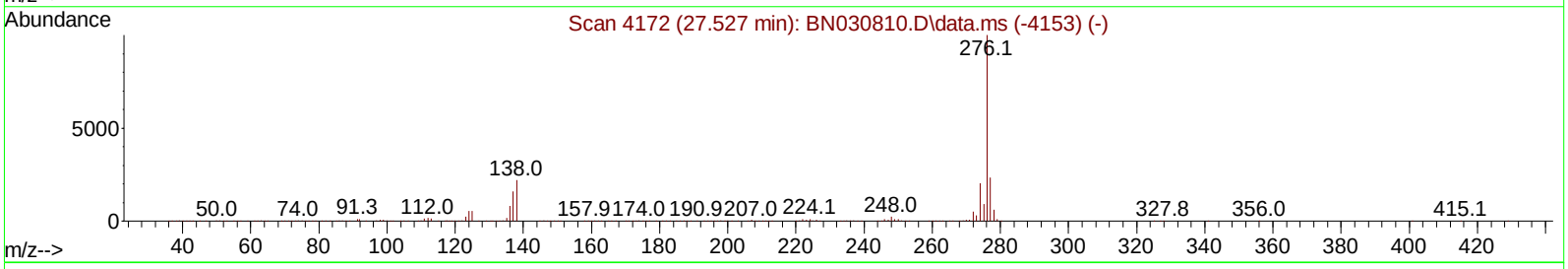


TIC: BN030828.D\data.ms

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

**27.539min (+ 0.006) 38.03 ng/ul m**

**response 3175101**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 22.30 | 22.29 |
| 277.00 | 23.00 | 23.07 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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Acq On : 10 Apr 2024 23:07
Operator : MA/JU
Sample : PB160141BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Apr 10 23:41:12 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN032824.MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS141

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 04/12/2024
Supervised By :mohammad ahmed 04/12/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.675 | 152 | 190811 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.458 | 136 | 878419 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.322 | 164 | 607891 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.069 | 188 | 1309596 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.310 | 240 | 1285094 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.239 | 264 | 1389289 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.187 | 96 | 33907 | 8.331 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.593 | 84 | 423734 | 34.726 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.852 | 99 | 582483 | 37.736 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.017 | 67 | 336001 | 35.243 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.211 | 132 | 456051 | 38.947 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.387 | 113 | 477082 | 36.878 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.834 | 128 | 237681 | 39.006 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.552 | 143 | 252757 | 45.342 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.087 | 165 | 478991 | 39.249 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.605 | 131 | 686426 | 34.166 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.740 | 166 | 1526769 | 37.618 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.010 | 160 | 1779942 | 38.143 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.534 | 143 | 319163 | 41.112 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.316 | 176 | 1320889 | 37.191 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.445 | 200 | 239757 | 41.477 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.169 | 188 | 2123241 | 37.629 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.469 | 212 | 2592308 | 37.520 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.039 | 264 | 2536824 | 39.629 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.223 | 88 | 48149 | 11.045 | ng/uL | 98 |
| 5) Pyridine | 3.611 | 79 | 402482 | 32.688 | ng/ul | 97 |
| 6) Benzaldehyde | 6.828 | 77 | 292094 | 40.635 | ng/ul | 94 |
| 8) Phenol | 6.875 | 94 | 574290 | 35.714 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.111 | 93 | 434312 | 33.121 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.246 | 128 | 457632 | 36.432 | ng/ul | 95 |
| 13) 2-Methylphenol | 8.116 | 108 | 431570 | 34.829 | ng/ul | 97 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.199 | 45 | 576336 | 31.214 | ng/ul | 98 |
| 16) Acetophenone | 8.499 | 105 | 687963 | 33.682 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.487 | 70 | 342660 | 33.309 | ng/ul | 96 |
| 18) 4-Methylphenol | 8.452 | 108 | 494495 | 35.648 | ng/ul | 96 |
| 19) Hexachloroethane | 8.746 | 117 | 176619 | 33.537 | ng/ul | 97 |
| 22) Nitrobenzene | 8.875 | 77 | 515094 | 34.628 | ng/ul | 98 |
| 23) Isophorone | 9.399 | 82 | 1001608 | 33.763 | ng/ul | 100 |
| 25) 2-Nitrophenol | 9.581 | 139 | 266294 | 40.647 | ng/ul | 97 |
| 26) 2,4-Dimethylphenol | 9.646 | 107 | 471348 | 32.370 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 9.881 | 93 | 626095 | 33.195 | ng/ul | 100 |
| 29) 2,4-Dichlorophenol | 10.110 | 162 | 460216 | 36.946 | ng/ul | 94 |
| 30) Naphthalene | 10.510 | 128 | 1527756 | 33.911 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.628 | 127 | 632789 | 32.681 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 10.787 | 225 | 264094 | 33.683 | ng/ul | 96 |
| 34) Caprolactam | 11.410 | 113 | 171548m | 36.864 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.757 | 107 | 526437 | 37.522 | ng/ul | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.128 | 142 | 1102712 | 35.048 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 12.352 | 142 | 1087888 | 34.061 | ng/ul | 95 |
| 39) 1,2,4,5-Tetrachloroben... | 12.499 | 216 | 557711 | 35.550 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.475 | 237 | 248414 | 27.883 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 12.746 | 196 | 377811 | 38.540 | ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 12.816 | 196 | 429220 | 38.769 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.151 | 154 | 1458808 | 35.208 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.193 | 162 | 1129058 | 34.616 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.404 | 65 | 342072 | 39.408 | ng/ul | 98 |
| 47) Dimethylphthalate | 13.787 | 163 | 1448039 | 34.539 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 13.904 | 165 | 301435 | 38.779 | ng/ul | 98 |
| 50) Acenaphthylene | 14.046 | 152 | 1858647 | 34.472 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.234 | 138 | 347514 | 42.120 | ng/ul | 97 |
| 52) Acenaphthene | 14.387 | 153 | 1207420 | 33.604 | ng/ul | 97 |
| 53) 2,4-Dinitrophenol | 14.440 | 184 | 139971 | 39.204 | ng/ul | 94 |
| 55) 4-Nitrophenol | 14.551 | 109 | 231755 | 37.680 | ng/ul | 98 |
| 56) Dibenzofuran | 14.722 | 168 | 1734953 | 34.737 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 14.693 | 165 | 458006 | 40.358 | ng/ul | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.946 | 232 | 368285 | 40.054 | ng/ul | 96 |
| 59) Diethylphthalate | 15.157 | 149 | 1498942 | 35.193 | ng/ul | 99 |
| 61) Fluorene | 15.375 | 166 | 1378846 | 34.732 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.369 | 204 | 653138 | 33.534 | ng/ul | 95 |
| 63) 4-Nitroaniline | 15.404 | 138 | 366922 | 45.744 | ng/ul | 98 |
| 66) 4,6-Dinitro-2-methylph... | 15.457 | 198 | 246154 | 39.631 | ng/ul | 94 |
| 67) N-Nitrosodiphenylamine | 15.587 | 169 | 1293009 | 36.254 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.269 | 248 | 431037 | 34.661 | ng/ul | 99 |
| 69) Hexachlorobenzene | 16.369 | 284 | 505221 | 34.502 | ng/ul | 97 |
| 70) Atrazine | 16.545 | 200 | 445287 | 36.021 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.716 | 266 | 333989 | 38.684 | ng/ul | 96 |
| 72) Phenanthrene | 17.116 | 178 | 2378034 | 35.343 | ng/ul | 99 |
| 74) Anthracene | 17.204 | 178 | 2323836 | 34.165 | ng/ul | 97 |
| 75) 1,2,3,4-Tetrachloroben... | 13.110 | 216 | 561800 | 34.918 | ng/uL | 99 |
| 76) Pentachlorobenzene | 14.634 | 250 | 554342 | 33.921 | ng/uL | 96 |
| 77) Carbazole | 17.481 | 167 | 2317325 | 38.849 | ng/ul | 98 |
| 78) Di-n-butylphthalate | 18.045 | 149 | 2770950 | 38.079 | ng/ul | 99 |
| 80) Fluoranthene | 19.134 | 202 | 2858748 | 34.806 | ng/ul | 98 |
| 82) Pyrene | 19.498 | 202 | 3073099 | 35.428 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.410 | 149 | 1350483 | 40.769 | ng/ul | 96 |
| 84) 3,3'-Dichlorobenzidine | 21.222 | 252 | 906480 | 38.389 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.292 | 228 | 3058672 | 35.663 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.216 | 149 | 1880002 | 38.485 | ng/ul | 99 |
| 87) Chrysene | 21.351 | 228 | 2862871 | 35.365 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.333 | 149 | 3543938 | 40.281 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.316 | 252 | 3050957 | 37.315 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.374 | 252 | 2982665 | 35.921 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.098 | 252 | 2552357 | 33.046 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 27.539 | 276 | 3175101m | 38.029 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 27.598 | 278 | 2632457 | 37.453 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 28.562 | 276 | 2405510 | 36.700 | ng/ul | 98 |

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

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