Quantitation Report (Qedit)

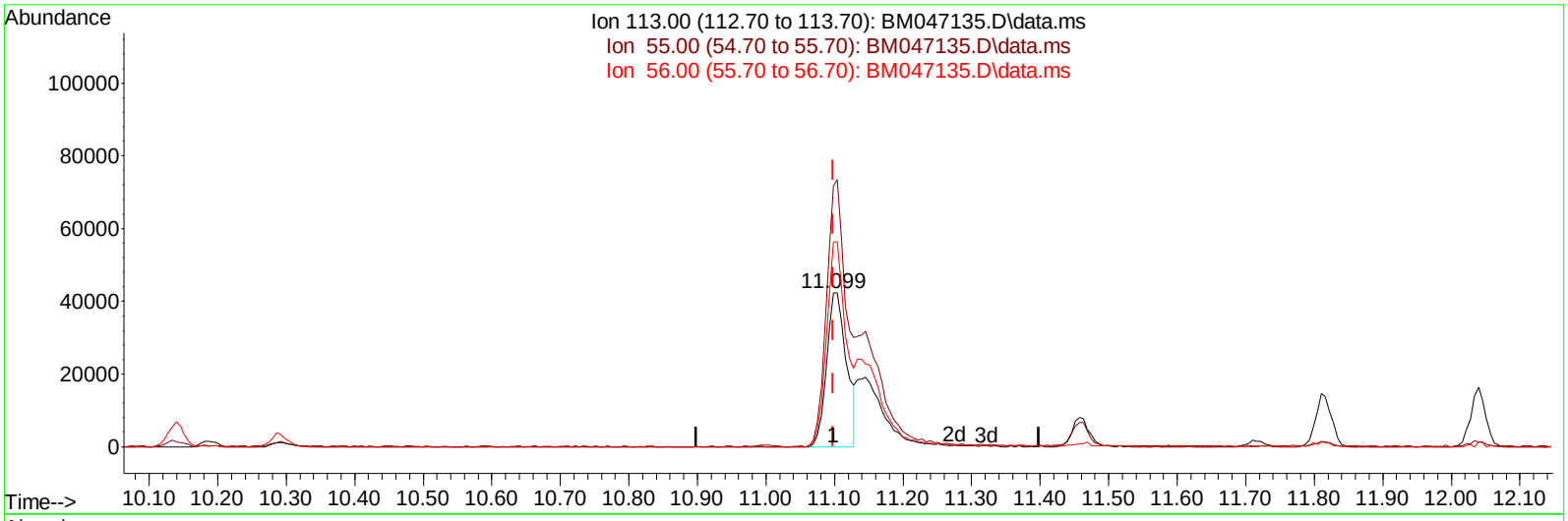
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080924\
Data File : BM047135.D
Acq On : 10 Aug 2024 00:29
Operator : RC/JU
Sample : PB162619BS
Misc :
ALS Vial : 23 Sample Multiplier: 1

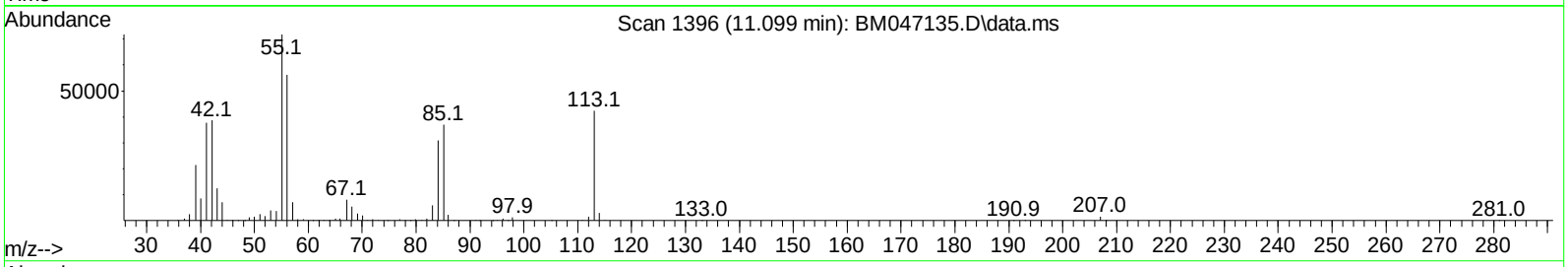
Quant Time: Aug 10 01:19:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM080224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 09 01:30:34 2024
Response via : Initial Calibration

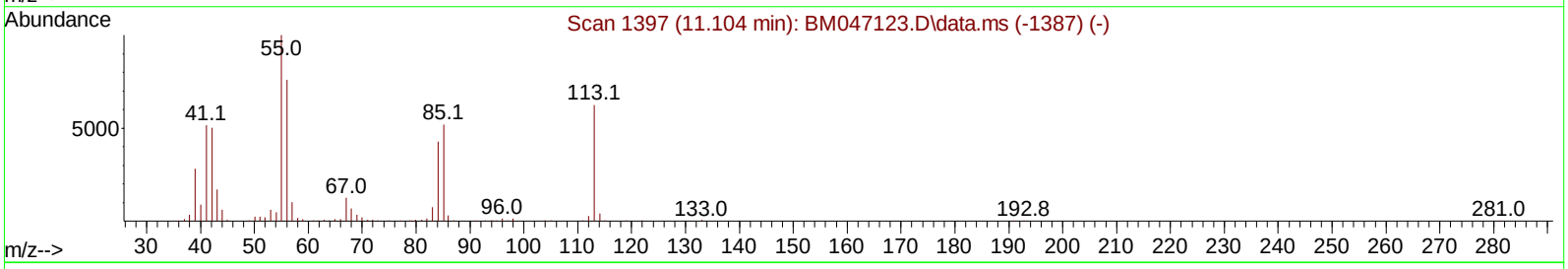
**Instrument :**
BNA_M
**ClientSampleId :**
SLCS619

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/12/2024
Supervised By :mohammad ahmed 08/12/2024




TIC: BM047135.D\data.ms

**(34) Caprolactam**

**11.099min (+ 0.000) 17.99 ng/ul**

**response 85640**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 132.90 | 169.51# |
| 56.00 | 118.20 | 133.00 |
| 0.00 | 0.00 | 0.00 |

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**Manual IntegrationsAPPROVED**

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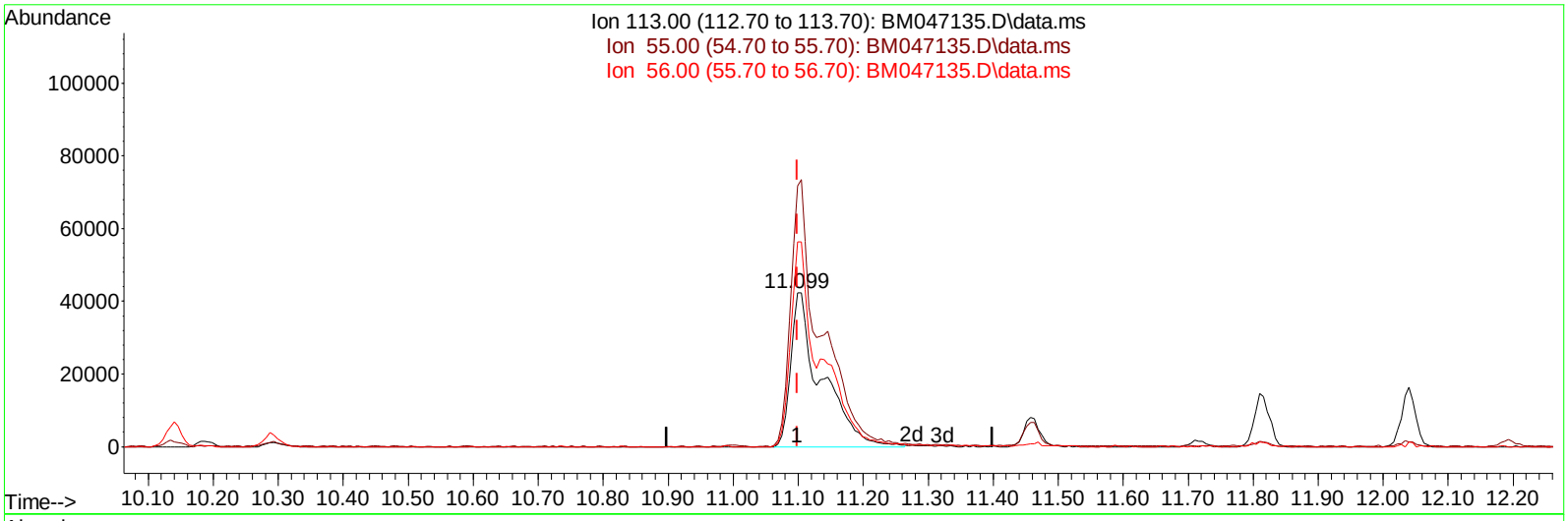


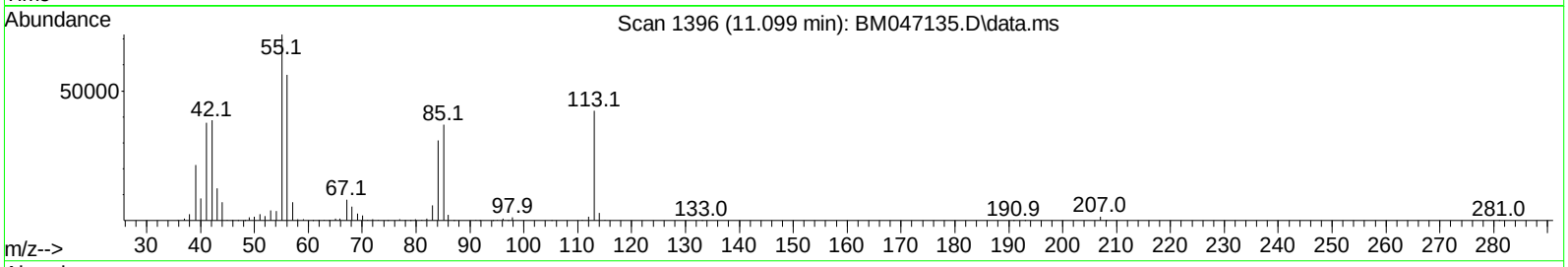


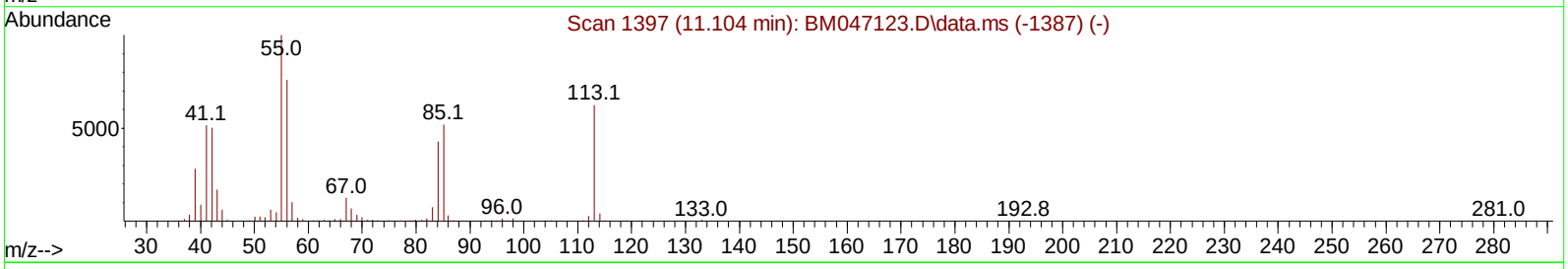


TIC: BM047135.D\data.ms

**(34) Caprolactam**

**11.099min (+ 0.000) 28.97 ng/ul m**

**response 137897**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 132.90 | 169.51# |
| 56.00 | 118.20 | 133.00 |
| 0.00 | 0.00 | 0.00 |

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**Manual IntegrationsAPPROVED**

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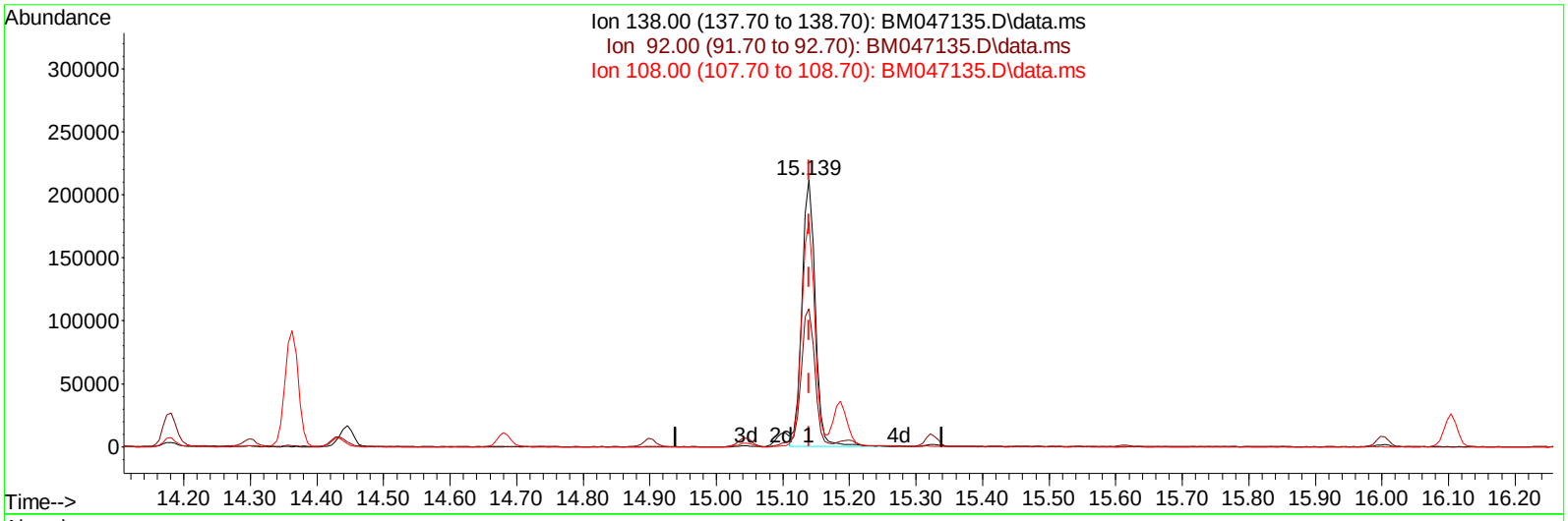


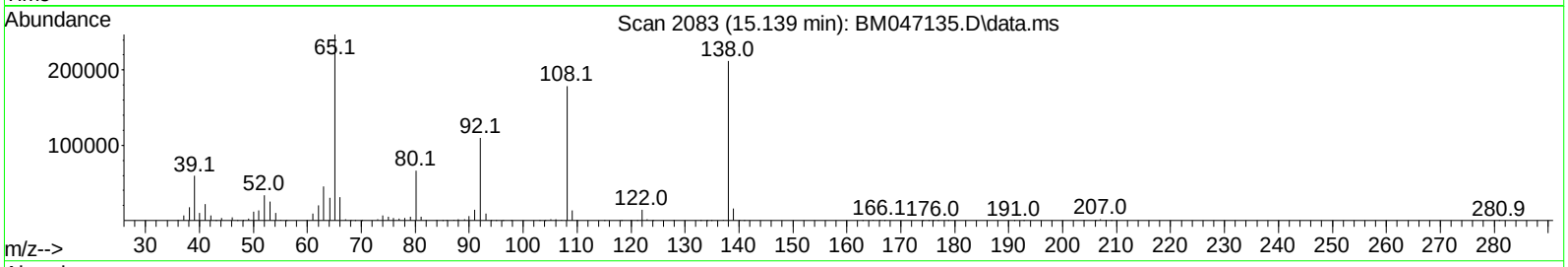


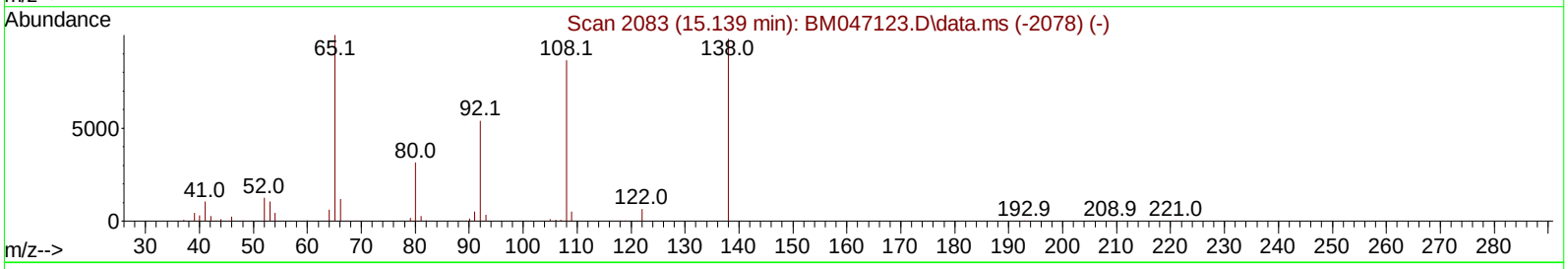


TIC: BM047135.D\data.ms

**(63) 4-Nitroaniline**

**15.139min (+ 0.000) 33.06 ng/ul**

**response 294959**

| Ion | Exp% | Act% |
|---|---|---|
| 138.00 | 100.00 | 100.00 |
| 92.00 | 59.60 | 51.80 |
| 108.00 | 109.10 | 84.36# |
| 0.00 | 0.00 | 0.00 |

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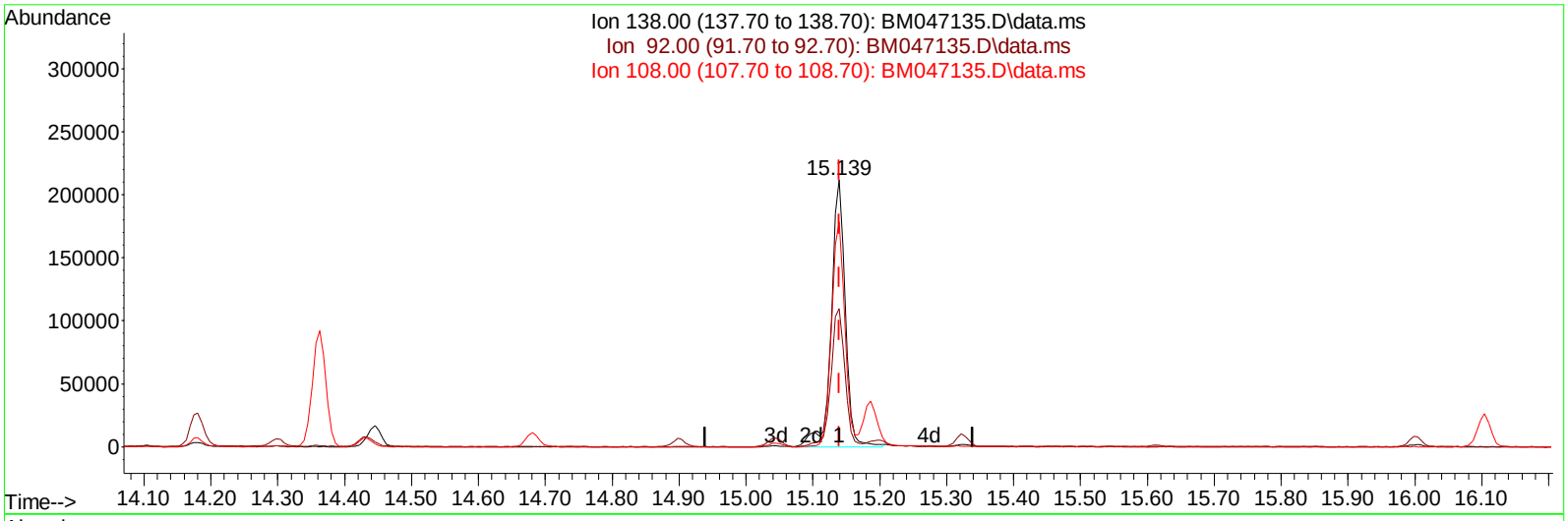
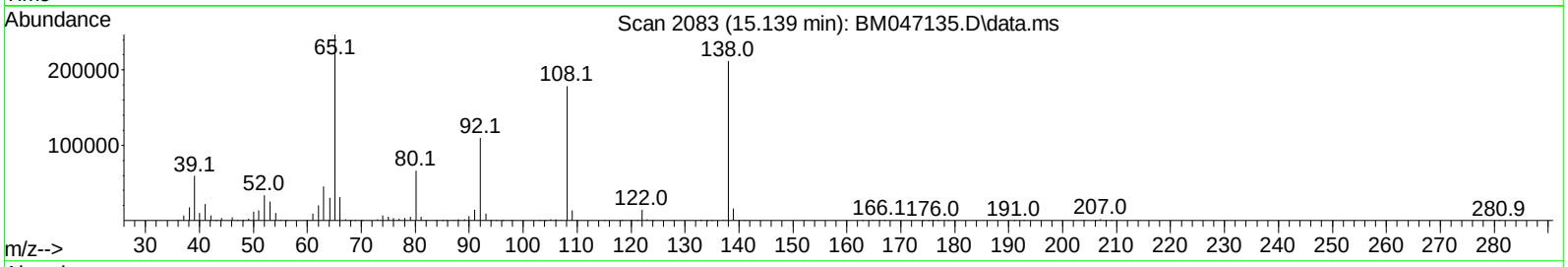
Response via : Initial Calibration

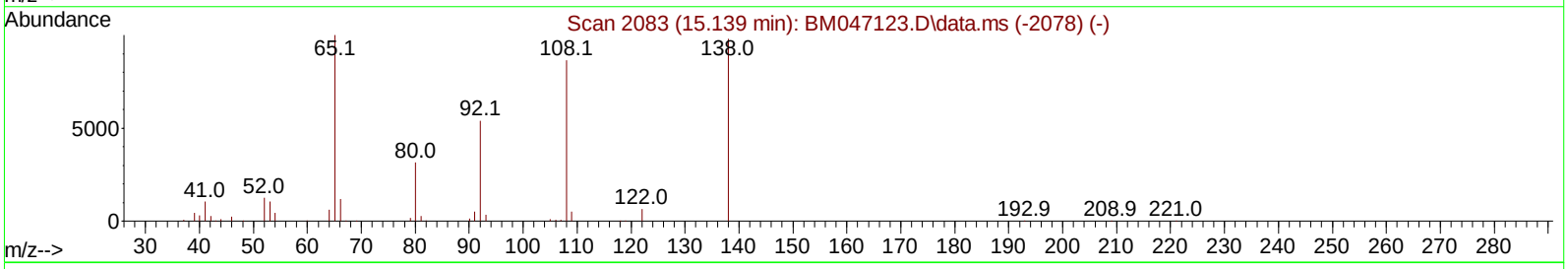
**Instrument :**
BNA_M
**ClientSampleId :**
SLCS619

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/12/2024
Supervised By :mohammad ahmed 08/12/2024




TIC: BM047135.D\data.ms

**(63) 4-Nitroaniline**

**15.139min (+ 0.000) 34.65 ng/ul m**

**response 309210**

| Ion | Exp% | Act% |
|---|---|---|
| 138.00 | 100.00 | 100.00 |
| 92.00 | 59.60 | 51.80 |
| 108.00 | 109.10 | 84.36# |
| 0.00 | 0.00 | 0.00 |

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Misc :
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 10 01:20:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM080224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 09 01:30:34 2024
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS619

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/12/2024
Supervised By :mohammad ahmed 08/12/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.381 | 152 | 237017 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.140 | 136 | 936724 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.039 | 164 | 594435 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 16.798 | 188 | 1252667 | 20.000 | ng/ul | # 0.00 |
| 79) Chrysene-d12 | 21.033 | 240 | 1109529 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.733 | 264 | 1302324 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.011 | 96 | 37421 | 6.255 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.399 | 84 | 455290 | 27.900 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.593 | 99 | 563930 | 31.321 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 6.740 | 67 | 358895 | 30.294 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 6.928 | 132 | 435280 | 28.540 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.105 | 113 | 418189 | 29.319 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.528 | 128 | 215065 | 28.612 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.240 | 143 | 236622 | 28.826 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 9.781 | 165 | 435883 | 27.657 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.293 | 131 | 536981 | 25.925 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.469 | 166 | 1194544 | 26.282 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.728 | 160 | 1432324 | 28.232 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.287 | 143 | 248445 | 28.271 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.045 | 176 | 1075087 | 27.651 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.186 | 200 | 209803 | 26.510 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 16.898 | 188 | 1657570 | 27.913 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.210 | 212 | 1933221 | 30.437 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.551 | 264 | 2009437 | 29.302 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.046 | 88 | 65081 | 9.776 | ng/uL | 99 |
| 5) Pyridine | 3.417 | 79 | 466259 | 28.860 | ng/ul | 97 |
| 6) Benzaldehyde | 6.546 | 77 | 290603 | 28.100 | ng/ul | 99 |
| 8) Phenol | 6.616 | 94 | 580385 | 32.008 | ng/ul | 91 |
| 10) Bis(2-Chloroethyl)ether | 6.834 | 93 | 470670 | 30.454 | ng/ul | 94 |
| 12) 2-Chlorophenol | 6.958 | 128 | 459159 | 29.716 | ng/ul | 96 |
| 13) 2-Methylphenol | 7.840 | 108 | 416923 | 30.184 | ng/ul | 95 |
| 14) 2,2'-oxybis(1-Chloropr... | 7.910 | 45 | 629692 | 34.001 | ng/ul | 98 |
| 16) Acetophenone | 8.205 | 105 | 655864 | 29.215 | ng/ul | 96 |
| 17) N-Nitroso-di-n-propyla... | 8.193 | 70 | 343335 | 29.002 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.169 | 108 | 454823 | 30.476 | ng/ul | 98 |
| 19) Hexachloroethane | 8.434 | 117 | 201357 | 26.752 | ng/ul | 96 |
| 22) Nitrobenzene | 8.569 | 77 | 558449 | 27.808 | ng/ul | 95 |
| 23) Isophorone | 9.099 | 82 | 967736 | 28.163 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.275 | 139 | 257420 | 28.667 | ng/ul | 92 |
| 26) 2,4-Dimethylphenol | 9.352 | 107 | 384994 | 21.751 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)met... | 9.581 | 93 | 611615 | 28.873 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 9.804 | 162 | 435603 | 27.713 | ng/ul | 98 |
| 30) Naphthalene | 10.187 | 128 | 1393452 | 28.096 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.316 | 127 | 506836 | 25.198 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 10.475 | 225 | 262204 | 23.122 | ng/ul | 98 |
| 34) Caprolactam | 11.099 | 113 | 137897m | 28.970 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.457 | 107 | 452898 | 27.942 | ng/ul | 99 |

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**Manual IntegrationsAPPROVED**

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 11.816 | 142 | 947082 | 27.348 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 12.040 | 142 | 944420 | 26.940 | ng/ul | 97 |
| 39) 1,2,4,5-Tetrachloroben... | 12.193 | 216 | 487609 | 26.156 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.175 | 237 | 193311 | 15.741 | ng/ul# | 95 |
| 41) 2,4,6-Trichlorophenol | 12.451 | 196 | 301004 | 24.668 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 12.528 | 196 | 341875 | 25.949 | ng/ul | 98 |
| 43) 1,1'-Biphenyl | 12.857 | 154 | 1230684 | 27.674 | ng/ul | 97 |
| 44) 2-Chloronaphthalene | 12.893 | 162 | 1000137 | 28.320 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.122 | 65 | 331076 | 30.849 | ng/ul | 98 |
| 47) Dimethylphthalate | 13.516 | 163 | 1223267 | 26.822 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 13.634 | 165 | 259732 | 29.295 | ng/ul | 89 |
| 50) Acenaphthylene | 13.757 | 152 | 1576423 | 29.421 | ng/ul | 99 |
| 51) 3-Nitroaniline | 13.963 | 138 | 288805 | 31.985 | ng/ul | 96 |
| 52) Acenaphthene | 14.104 | 153 | 1054153 | 27.290 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.181 | 184 | 145354 | 23.235 | ng/ul | 91 |
| 55) 4-Nitrophenol | 14.298 | 109 | 214573 | 24.125 | ng/ul# | 82 |
| 56) Dibenzofuran | 14.445 | 168 | 1474850 | 27.205 | ng/ul | 95 |
| 57) 2,4-Dinitrotoluene | 14.434 | 165 | 389840 | 28.773 | ng/ul | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.681 | 232 | 247257 | 21.111 | ng/ul | 98 |
| 59) Diethylphthalate | 14.904 | 149 | 1267738 | 25.839 | ng/ul | 99 |
| 61) Fluorene | 15.098 | 166 | 1219071 | 27.263 | ng/ul | 96 |
| 62) 4-Chlorophenyl-phenyle... | 15.104 | 204 | 557367 | 25.320 | ng/ul | 96 |
| 63) 4-Nitroaniline | 15.139 | 138 | 309210m | 34.653 | ng/ul | |
| 66) 4,6-Dinitro-2-methylph... | 15.204 | 198 | 232762 | 26.878 | ng/ul | 93 |
| 67) N-Nitrosodiphenylamine | 15.322 | 169 | 1056126 | 28.444 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.004 | 248 | 361373 | 26.653 | ng/ul | 95 |
| 69) Hexachlorobenzene | 16.104 | 284 | 440943 | 27.619 | ng/ul | 99 |
| 70) Atrazine | 16.292 | 200 | 33437 | 2.295 | ng/ul | 99 |
| 71) Pentachlorophenol | 16.457 | 266 | 212596 | 19.668 | ng/ul | 98 |
| 72) Phenanthrene | 16.839 | 178 | 2013674 | 28.677 | ng/ul | 100 |
| 74) Anthracene | 16.933 | 178 | 1986943 | 28.058 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 12.816 | 216 | 492708 | 27.337 | ng/uL | 97 |
| 76) Pentachlorobenzene | 14.363 | 250 | 477979 | 25.621 | ng/uL | 99 |
| 77) Carbazole | 17.216 | 167 | 1932353 | 29.434 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 17.798 | 149 | 2242049 | 26.857 | ng/ul | 98 |
| 80) Fluoranthene | 18.874 | 202 | 2368689 | 31.206 | ng/ul | 98 |
| 82) Pyrene | 19.239 | 202 | 2443215 | 30.207 | ng/ul# | 95 |
| 83) Butylbenzylphthalate | 20.180 | 149 | 1069641 | 30.258 | ng/ul | 98 |
| 84) 3,3'-Dichlorobenzidine | 20.957 | 252 | 762805 | 28.044 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.015 | 228 | 2402896 | 29.653 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 20.980 | 149 | 1524932 | 29.549 | ng/ul | 99 |
| 87) Chrysene | 21.074 | 228 | 2248763 | 29.097 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.010 | 149 | 2675318 | 29.119 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 22.886 | 252 | 2499290 | 31.025 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 22.945 | 252 | 2466986 | 30.989 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 23.609 | 252 | 2196593 | 29.268 | ng/ul | 98 |
| 94) Indeno(1,2,3-cd)pyrene | 26.733 | 276 | 2876525 | 29.915 | ng/ul | 98 |
| 95) Dibenzo(a,h)anthracene | 26.780 | 278 | 2325131 | 30.105 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 27.656 | 276 | 2299607 | 30.269 | ng/ul | 97 |

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

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