Quantitation Report (Qedit)

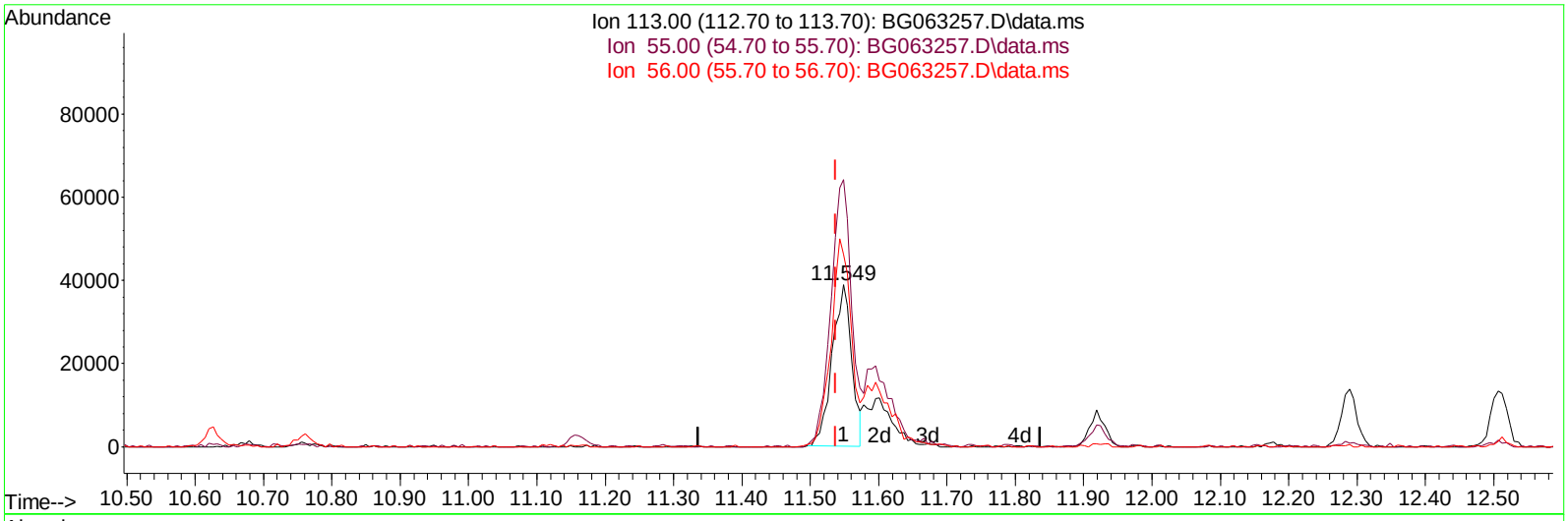
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110824\
Data File : BG063257.D
Acq On : 9 Nov 2024 9:49
Operator : RC/JU
Sample : P4669-02MS
Misc :
ALS Vial : 34 Sample Multiplier: 1

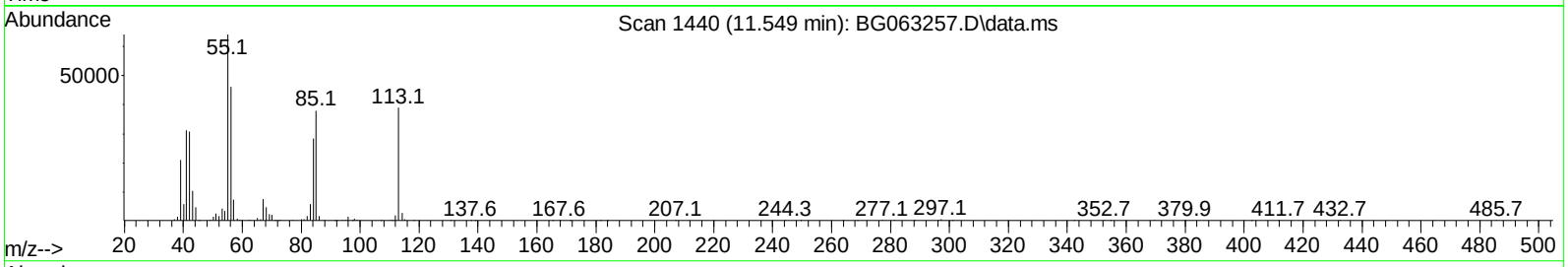
Quant Time: Nov 10 00:02:51 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG110624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 06 15:45:52 2024
Response via : Initial Calibration

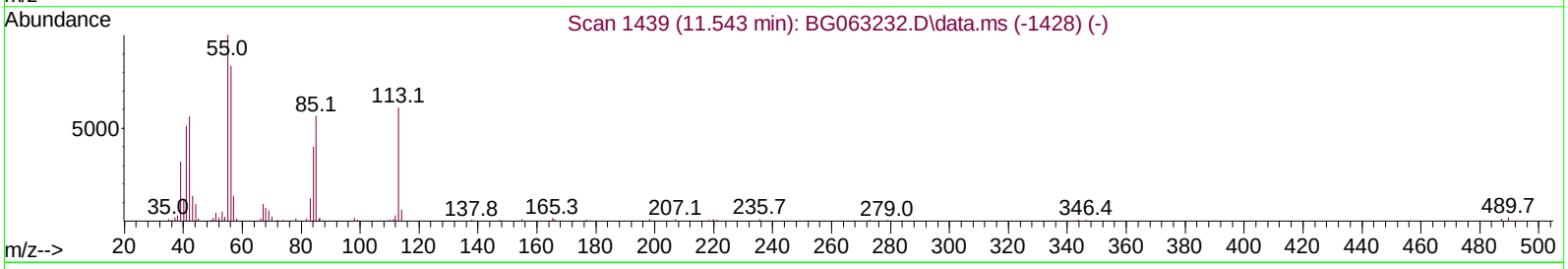
**Instrument :**
BNA_G
**ClientSampleId :**
BHK69MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024




TIC: BG063257.D\data.ms

**(34) Caprolactam**

**11.549min (+ 0.012) 19.18 ng/ul**

**response 77461**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 146.10 | 164.76 |
| 56.00 | 105.40 | 118.55 |
| 0.00 | 0.00 | 0.00 |

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**Manual IntegrationsAPPROVED**

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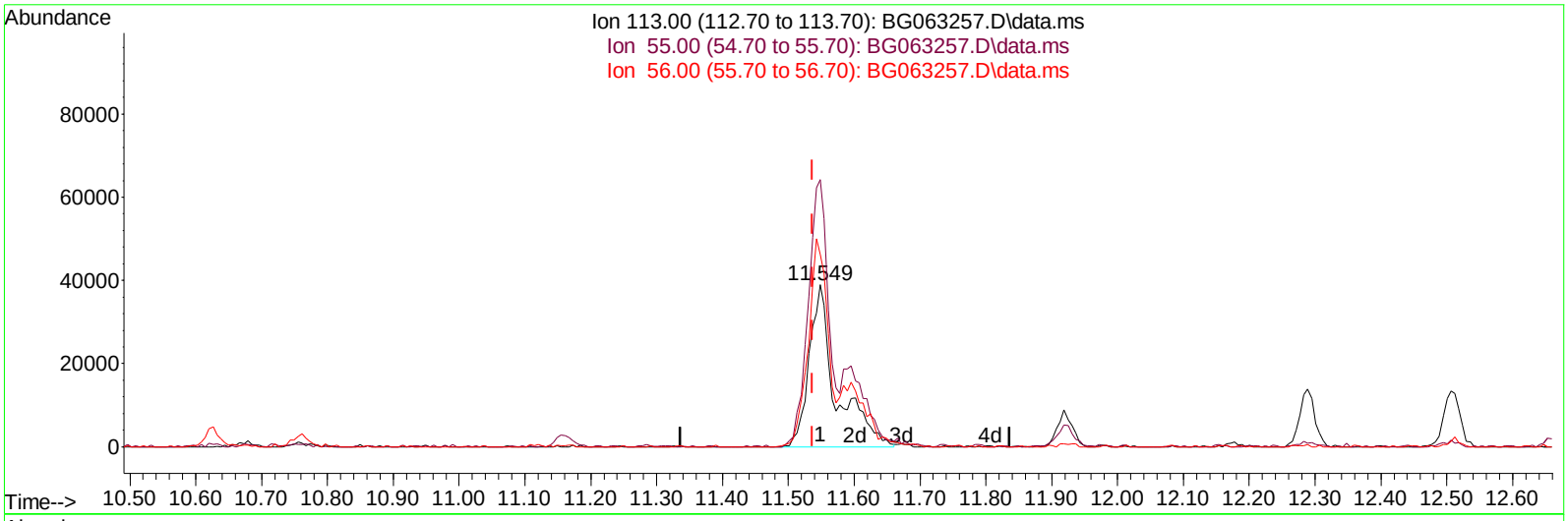


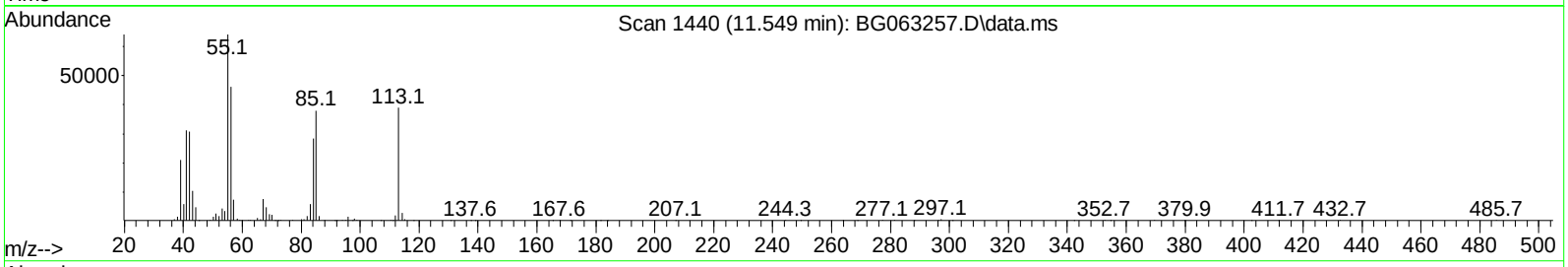


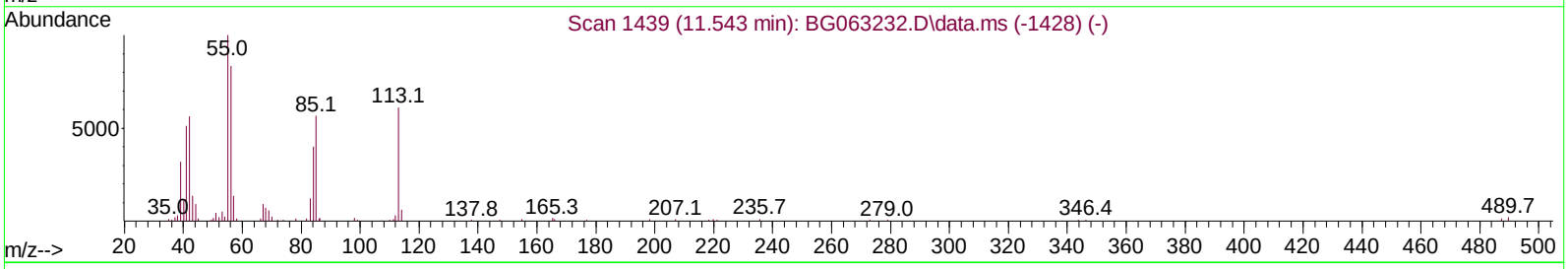


TIC: BG063257.D\data.ms

**(34) Caprolactam**

**11.549min (+ 0.012) 27.23 ng/ul m**

**response 109989**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 146.10 | 164.76 |
| 56.00 | 105.40 | 118.55 |
| 0.00 | 0.00 | 0.00 |

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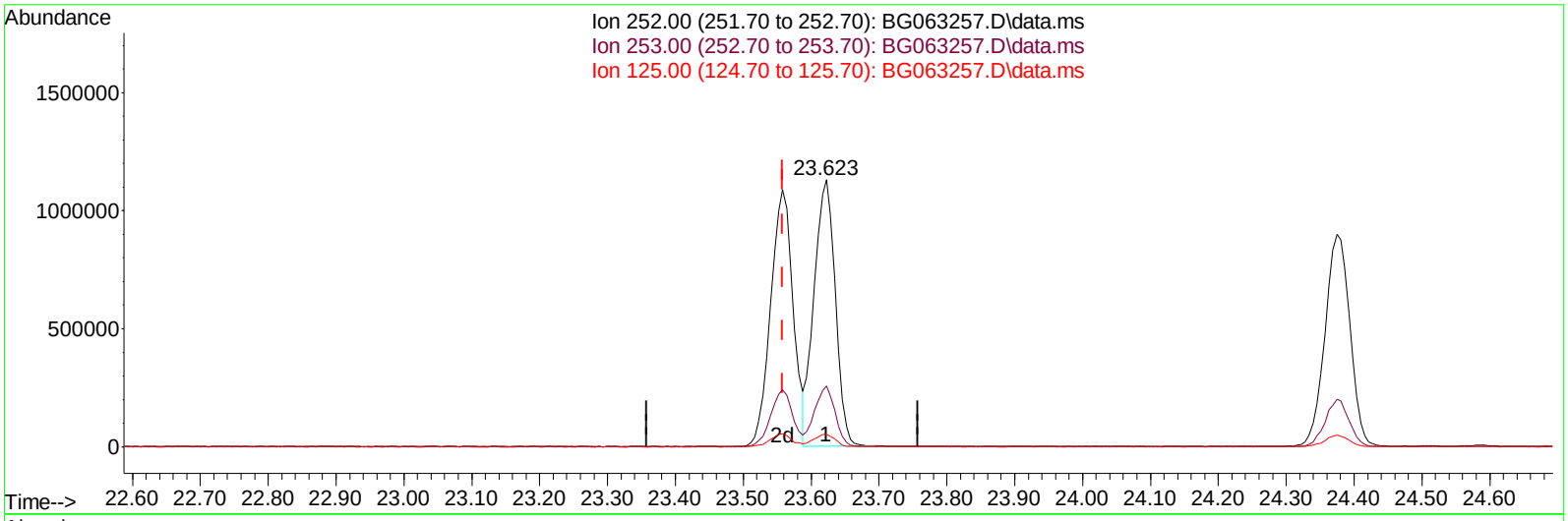


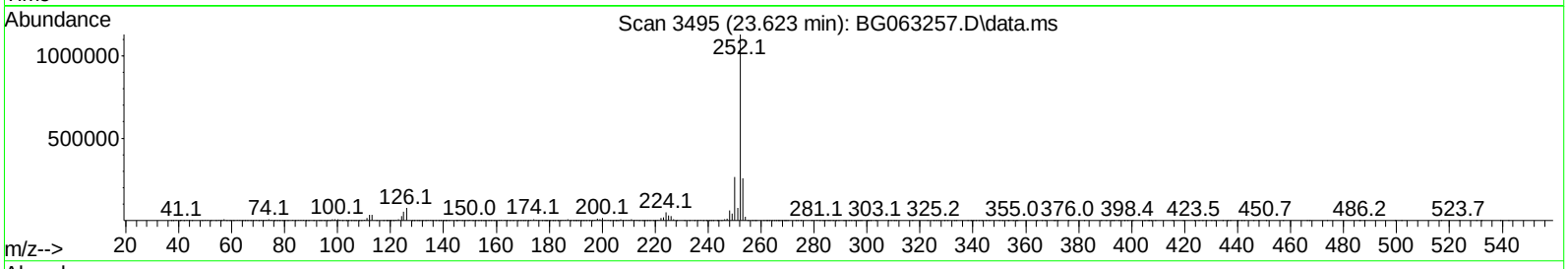


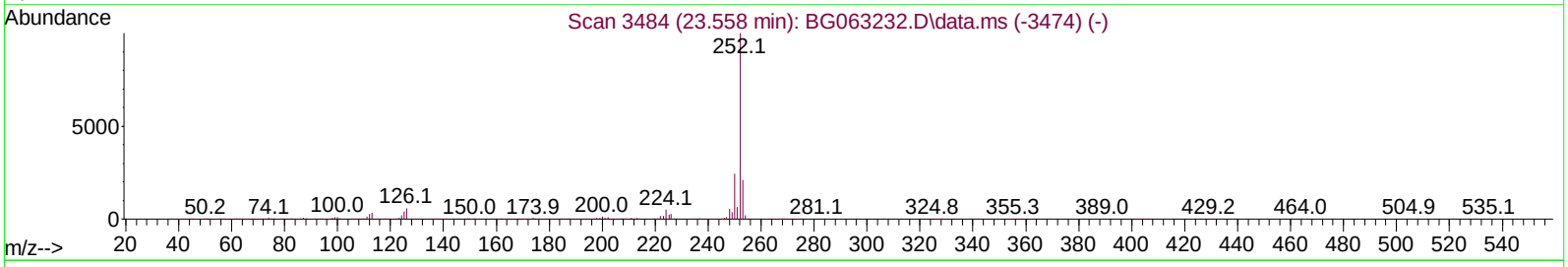


TIC: BG063257.D\data.ms

**(90) Benzo(b)fluoranthene**

**23.623min (+ 0.065) 34.52 ng/ul**

**response 2451135**

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.40 | 22.71 |
| 125.00 | 4.20 | 4.64 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
BNA_G
**ClientSampleId :**
BHK69MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 11/10/2024
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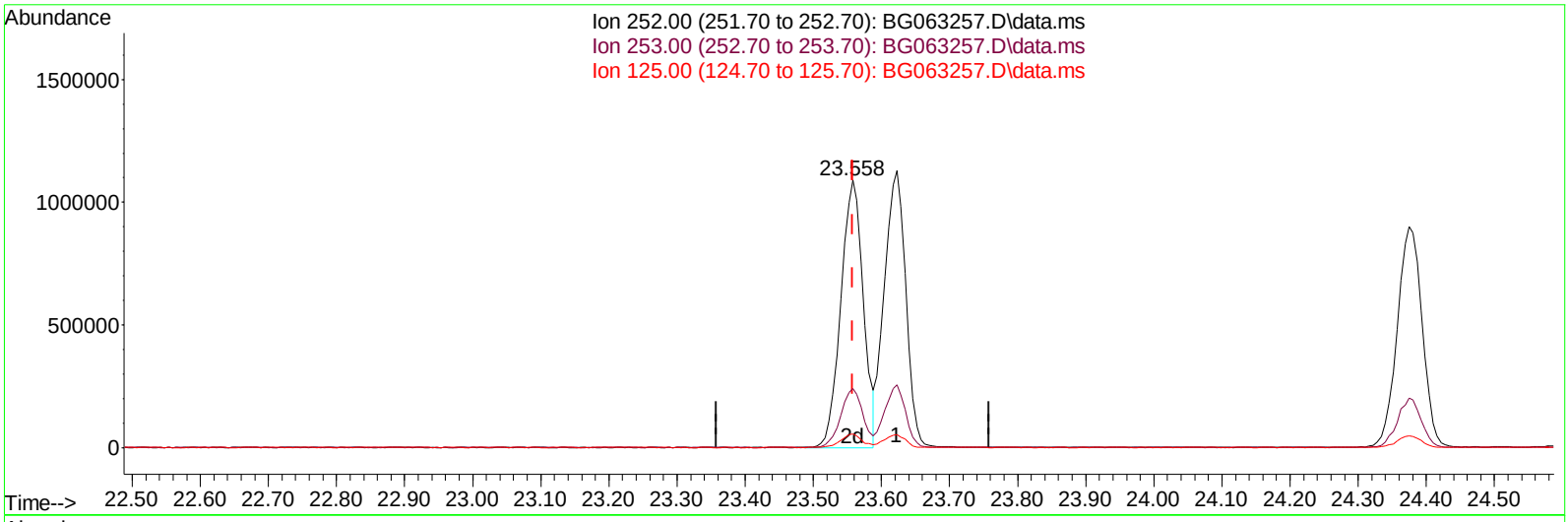


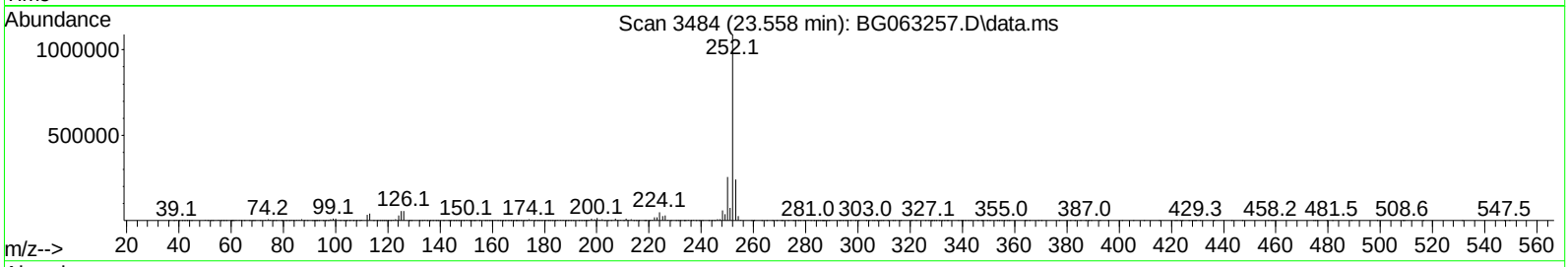


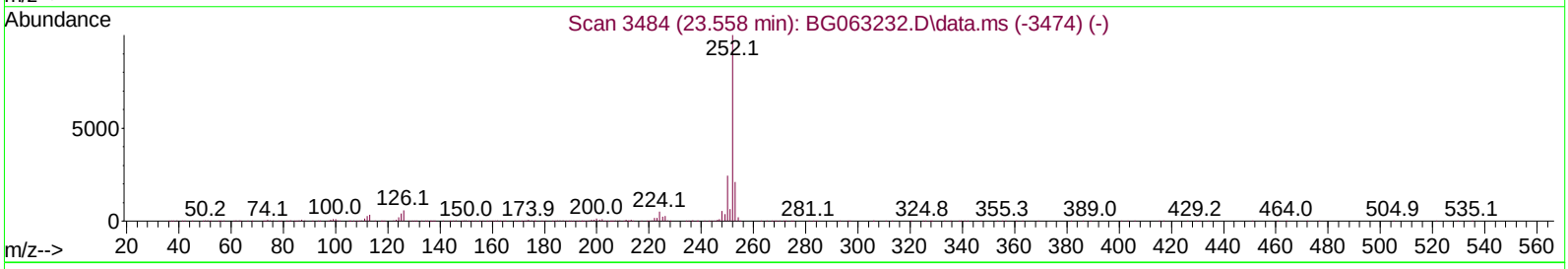


TIC: BG063257.D\data.ms

**(90) Benzo(b)fluoranthene**

**23.558min (+ 0.000) 35.27 ng/ul m**

**response 2504934**

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100.00 | 100.00 |
| 253.00 | 21.40 | 22.12 |
| 125.00 | 4.20 | 5.12# |
| 0.00 | 0.00 | 0.00 |

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Misc :
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Nov 10 00:04:36 2024
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 06 15:45:52 2024
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
BHK69MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 11/10/2024
Supervised By :mohammad ahmed 11/11/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.835 | 152 | 126311 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.626 | 136 | 578167 | 20.000 | ng/ul | # 0.00 |
| 38) Acenaphthene-d10 | 14.475 | 164 | 509616 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.224 | 188 | 1161852 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.478 | 240 | 1124209 | 20.000 | ng/ul | # 0.00 |
| 88) Perylene-d12 | 24.516 | 264 | 1180263 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.299 | 96 | 10646 | 3.811 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.705 | 84 | 153688 | 16.646 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.013 | 99 | 309909 | 27.191 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.166 | 67 | 171887 | 25.711 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.371 | 132 | 204431 | 27.634 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.552 | 113 | 262169 | 27.138 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.993 | 128 | 115859 | 28.504 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.710 | 143 | 146103 | 27.811 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.250 | 165 | 314834 | 30.538 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.761 | 131 | 334349 | 24.899 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.881 | 166 | 975226 | 24.431 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.169 | 160 | 1118625 | 28.630 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.692 | 143 | 136045 | 24.892 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.468 | 176 | 929050 | 27.577 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.597 | 200 | 154721 | 21.189 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.324 | 188 | 1453491 | 29.108 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.622 | 212 | 1766384 | 31.338 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.310 | 264 | 1733814 | 30.426 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.335 | 88 | 31476 | 9.153 | ng/uL# | 82 |
| 5) Pyridine | 3.723 | 79 | 254221 | 26.987 | ng/ul | 99 |
| 6) Benzaldehyde | 6.978 | 77 | 33275 | 5.282 | ng/ul# | 85 |
| 8) Phenol | 7.036 | 94 | 406675 | 32.742 | ng/ul | 92 |
| 10) Bis(2-Chloroethyl)ether | 7.260 | 93 | 257216 | 30.449 | ng/ul | 88 |
| 12) 2-Chlorophenol | 7.401 | 128 | 264333 | 33.403 | ng/ul | 96 |
| 13) 2-Methylphenol | 8.282 | 108 | 296708 | 32.703 | ng/ul | 88 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.352 | 45 | 347493 | 32.546 | ng/ul | 96 |
| 16) Acetophenone | 8.652 | 105 | 471807 | 30.332 | ng/ul | 95 |
| 17) N-Nitroso-di-n-propyla... | 8.640 | 70 | 268685 | 29.613 | ng/ul | 99 |
| 18) 4-Methylphenol | 8.611 | 108 | 322216 | 31.233 | ng/ul | 93 |
| 19) Hexachloroethane | 8.911 | 117 | 109593 | 34.176 | ng/ul | 94 |
| 22) Nitrobenzene | 9.034 | 77 | 416111 | 33.201 | ng/ul | 94 |
| 23) Isophorone | 9.551 | 82 | 754162 | 28.511 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.745 | 139 | 183102 | 35.259 | ng/ul | 94 |
| 26) 2,4-Dimethylphenol | 9.804 | 107 | 294673 | 26.014 | ng/ul# | 89 |
| 27) Bis(2-Chloroethoxy)met... | 10.039 | 93 | 405057 | 31.765 | ng/ul | 96 |
| 29) 2,4-Dichlorophenol | 10.280 | 162 | 344577 | 35.453 | ng/ul | 95 |
| 30) Naphthalene | 10.673 | 128 | 1007679 | 34.062 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.785 | 127 | 233192 | 18.144 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 10.961 | 225 | 311285 | 33.464 | ng/ul | 95 |
| 34) Caprolactam | 11.549 | 113 | 109989m | 27.228 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.919 | 107 | 368045 | 31.559 | ng/ul | 92 |

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**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 11/10/2024
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.289 | 142 | 768494 | 32.776 | ng/ul | 100 |
| 37) 1-Methylnaphthalene | 12.506 | 142 | 751556 | 30.824 | ng/ul | 92 |
| 39) 1,2,4,5-Tetrachloroben... | 12.659 | 216 | 625866 | 34.838 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.641 | 237 | 159240 | 16.233 | ng/ul | 95 |
| 41) 2,4,6-Trichlorophenol | 12.906 | 196 | 346212 | 35.703 | ng/ul | 92 |
| 42) 2,4,5-Trichlorophenol | 12.982 | 196 | 380950 | 36.228 | ng/ul | 91 |
| 43) 1,1'-Biphenyl | 13.305 | 154 | 1091805 | 33.799 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.347 | 162 | 855111 | 34.003 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.552 | 65 | 280488 | 32.696 | ng/ul | 95 |
| 47) Dimethylphthalate | 13.928 | 163 | 1085733 | 28.366 | ng/ul | 98 |
| 48) 2,6-Dinitrotoluene | 14.052 | 165 | 230846 | 31.517 | ng/ul | 97 |
| 50) Acenaphthylene | 14.193 | 152 | 1307046 | 33.582 | ng/ul | 98 |
| 51) 3-Nitroaniline | 14.381 | 138 | 203810 | 31.879 | ng/ul | 93 |
| 52) Acenaphthene | 14.539 | 153 | 932894 | 33.489 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.592 | 184 | 106709 | 22.098 | ng/ul | 96 |
| 55) 4-Nitrophenol | 14.704 | 109 | 195544 | 27.528 | ng/ul | 97 |
| 56) Dibenzofuran | 14.874 | 168 | 1382583 | 32.423 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.845 | 165 | 342490 | 29.565 | ng/ul | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.109 | 232 | 352643 | 32.381 | ng/ul# | 98 |
| 59) Diethylphthalate | 15.297 | 149 | 1082012 | 27.573 | ng/ul | 100 |
| 61) Fluorene | 15.526 | 166 | 1153980 | 31.975 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.520 | 204 | 714895 | 30.822 | ng/ul | 97 |
| 63) 4-Nitroaniline | 15.550 | 138 | 230893 | 35.683 | ng/ul | 85 |
| 66) 4,6-Dinitro-2-methylph... | 15.614 | 198 | 209212 | 27.608 | ng/ul | 100 |
| 67) N-Nitrosodiphenylamine | 15.738 | 169 | 942418 | 36.360 | ng/ul | 97 |
| 68) 4-Bromophenyl-phenylether | 16.414 | 248 | 480958 | 36.210 | ng/ul | 96 |
| 69) Hexachlorobenzene | 16.537 | 284 | 505062 | 35.694 | ng/ul | 99 |
| 70) Atrazine | 16.690 | 200 | 452951 | 31.945 | ng/ul | 96 |
| 71) Pentachlorophenol | 16.884 | 266 | 247731 | 34.922 | ng/ul | 94 |
| 72) Phenanthrene | 17.265 | 178 | 1841372 | 34.688 | ng/ul | 99 |
| 74) Anthracene | 17.359 | 178 | 1812280 | 33.326 | ng/ul | 98 |
| 75) 1,2,3,4-Tetrachloroben... | 13.270 | 216 | 626136 | 41.675 | ng/ul | 97 |
| 76) Pentachlorobenzene | 14.798 | 250 | 622265 | 38.839 | ng/ul | 97 |
| 77) Carbazole | 17.630 | 167 | 1523966 | 33.754 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.194 | 149 | 1716691 | 33.427 | ng/ul | 100 |
| 80) Fluoranthene | 19.287 | 202 | 2231237 | 36.623 | ng/ul | 98 |
| 82) Pyrene | 19.651 | 202 | 2322850 | 35.970 | ng/ul# | 96 |
| 83) Butylbenzylphthalate | 20.550 | 149 | 760135 | 40.276 | ng/ul | 96 |
| 84) 3,3'-Dichlorobenzidine | 21.378 | 252 | 690312 | 28.556 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.461 | 228 | 2502898 | 35.197 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.378 | 149 | 1071236 | 38.968 | ng/ul | 99 |
| 87) Chrysene | 21.525 | 228 | 2302106 | 34.723 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.518 | 149 | 1844159 | 39.650 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.558 | 252 | 2504934m | 35.275 | ng/ul | |
| 91) Benzo(k)fluoranthene | 23.623 | 252 | 2451135 | 34.654 | ng/ul | 98 |
| 93) Benzo(a)pyrene | 24.375 | 252 | 2297349 | 34.975 | ng/ul# | 95 |
| 94) Indeno(1,2,3-cd)pyrene | 27.941 | 276 | 2817477 | 34.968 | ng/ul | 95 |
| 95) Dibenzo(a,h)anthracene | 27.994 | 278 | 2293304 | 34.912 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 29.016 | 276 | 2169862 | 35.520 | ng/ul | 99 |

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

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