Quantitation Report (Qedit)

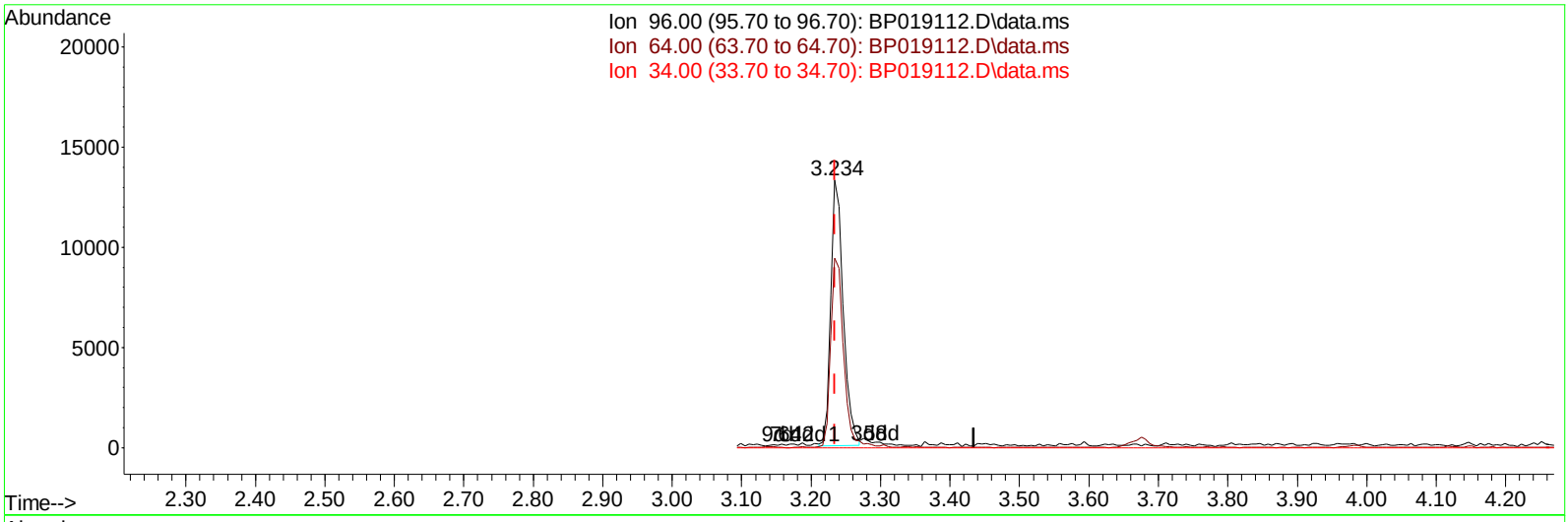
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP122723\
Data File : BP019112.D
Acq On : 27 Dec 2023 13:07
Operator : MA/JU
Sample : SSTD01071
Misc :
ALS Vial : 3 Sample Multiplier: 1

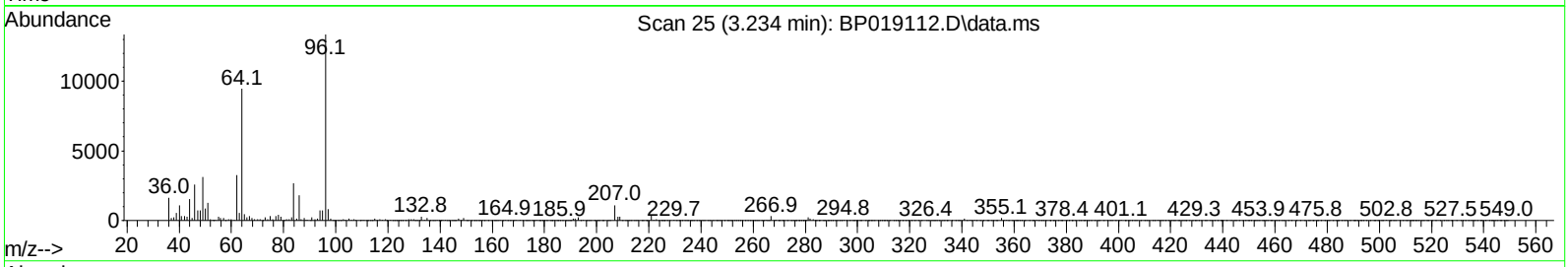
Quant Time: Dec 28 02:27:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP122723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 28 02:21:23 2023
Response via : Initial Calibration

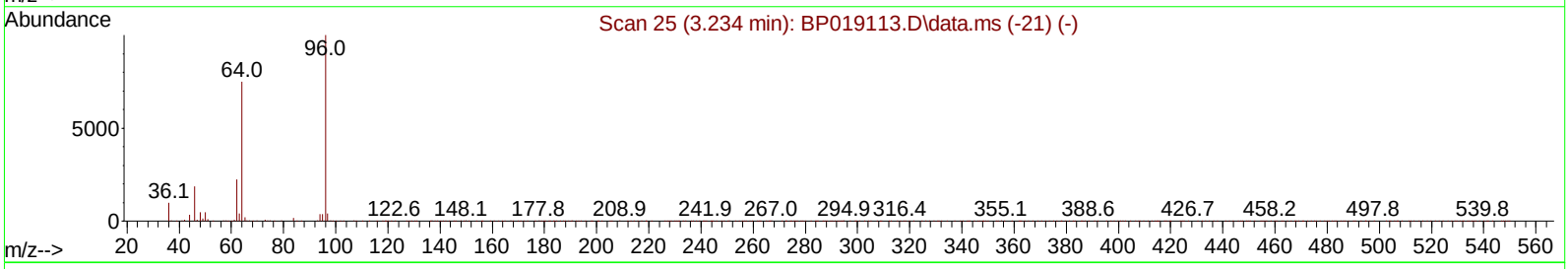
**Instrument :**
BNA_P
**ClientSampleId :**
SSTD010638

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023




TIC: BP019112.D\data.ms

**(3) 1,4-Dioxane-d8 (S)**

**3.234min (-0.000) 3.82 ng/uL**

**response 16723**

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 74.60 | 70.78 |
| 34.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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SSTD010638

**Manual IntegrationsAPPROVED**

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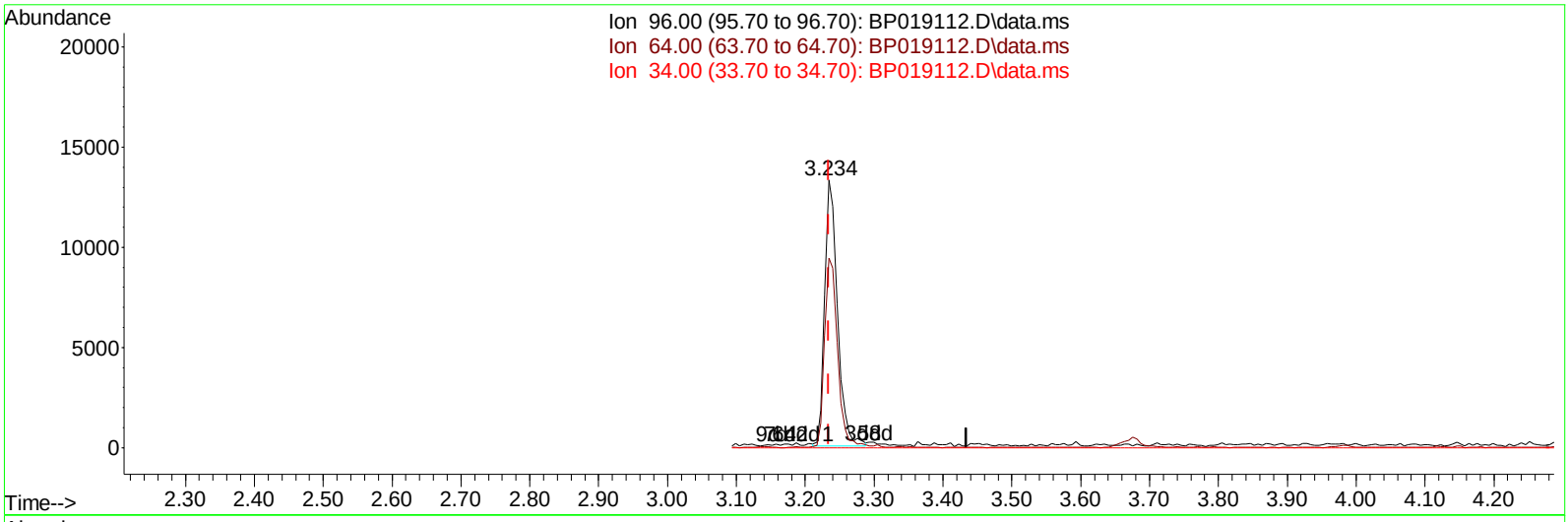


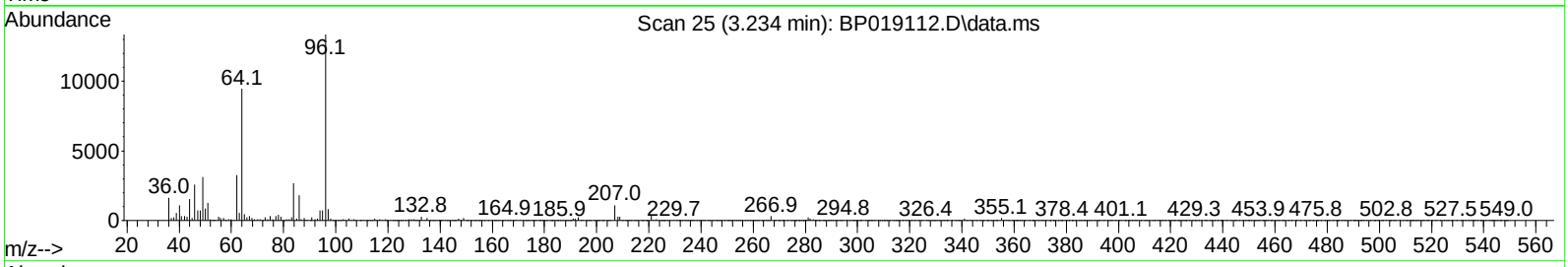


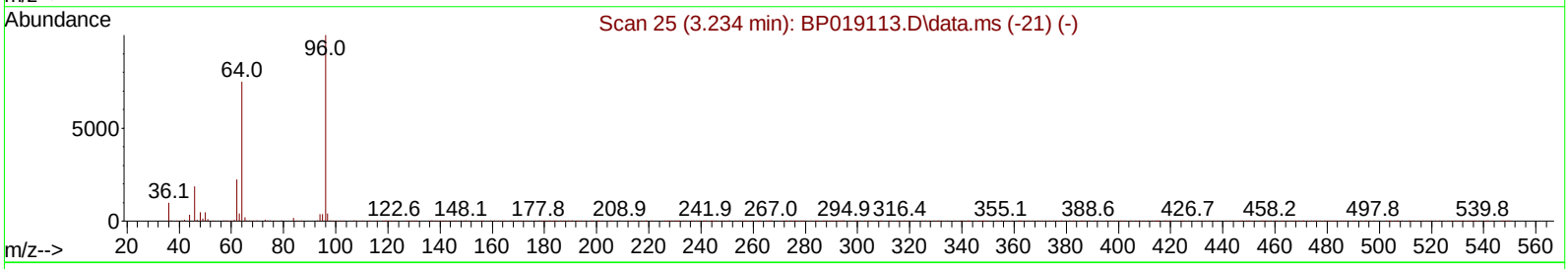


TIC: BP019112.D\data.ms

**(3) 1,4-Dioxane-d8 (S)**

**3.234min (-0.000) 3.91 ng/uL m**

**response 17097**

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100.00 | 100.00 |
| 64.00 | 74.60 | 70.78 |
| 34.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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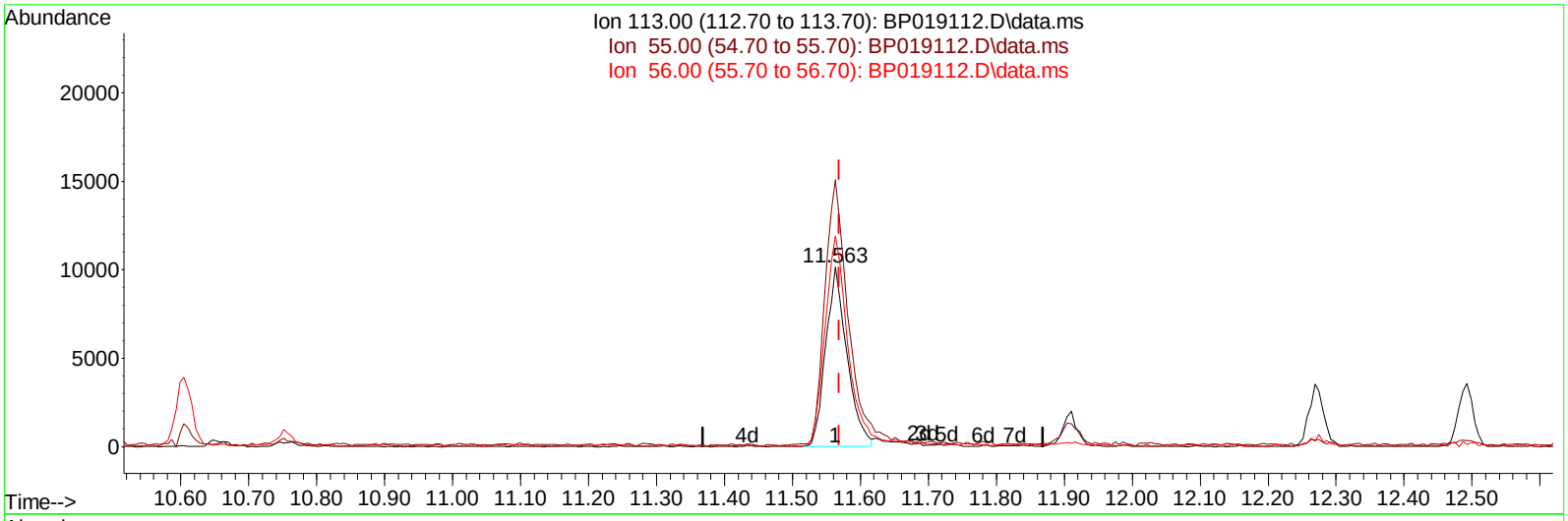


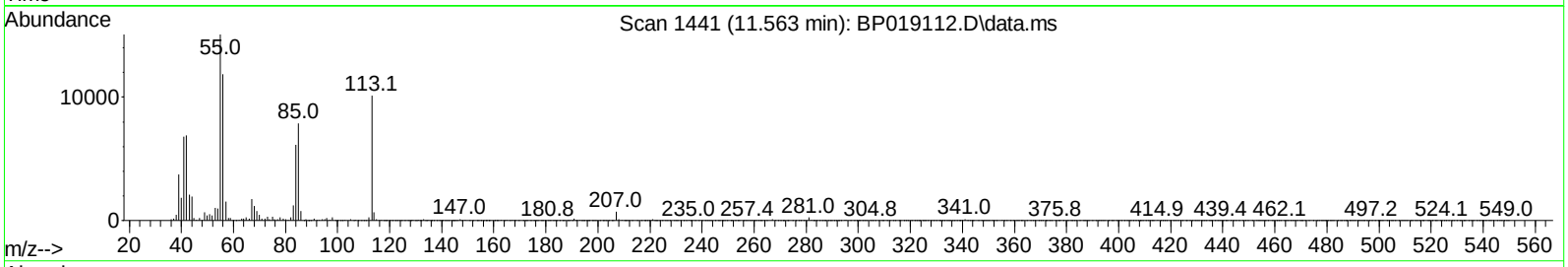


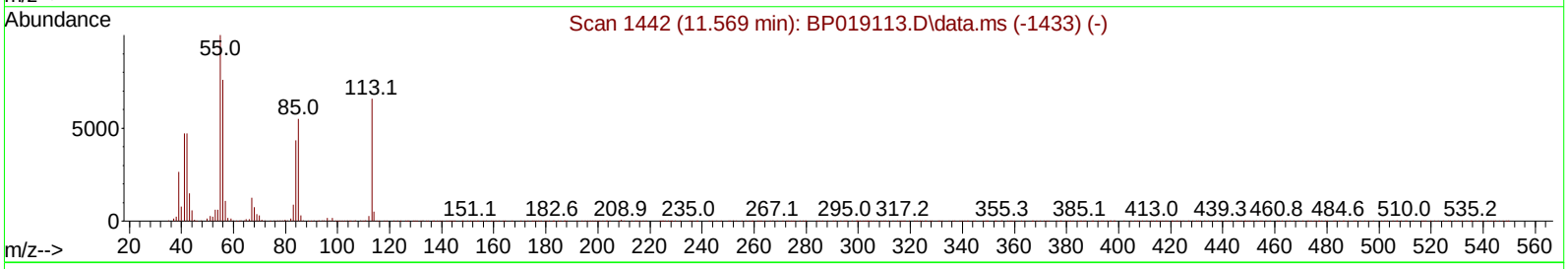


TIC: BP019112.D\data.ms

**(34) Caprolactam**

**11.563min (-0.006) 7.99 ng/ul**

**response 21988**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 153.30 | 148.66 |
| 56.00 | 116.20 | 117.15 |
| 0.00 | 0.00 | 0.00 |

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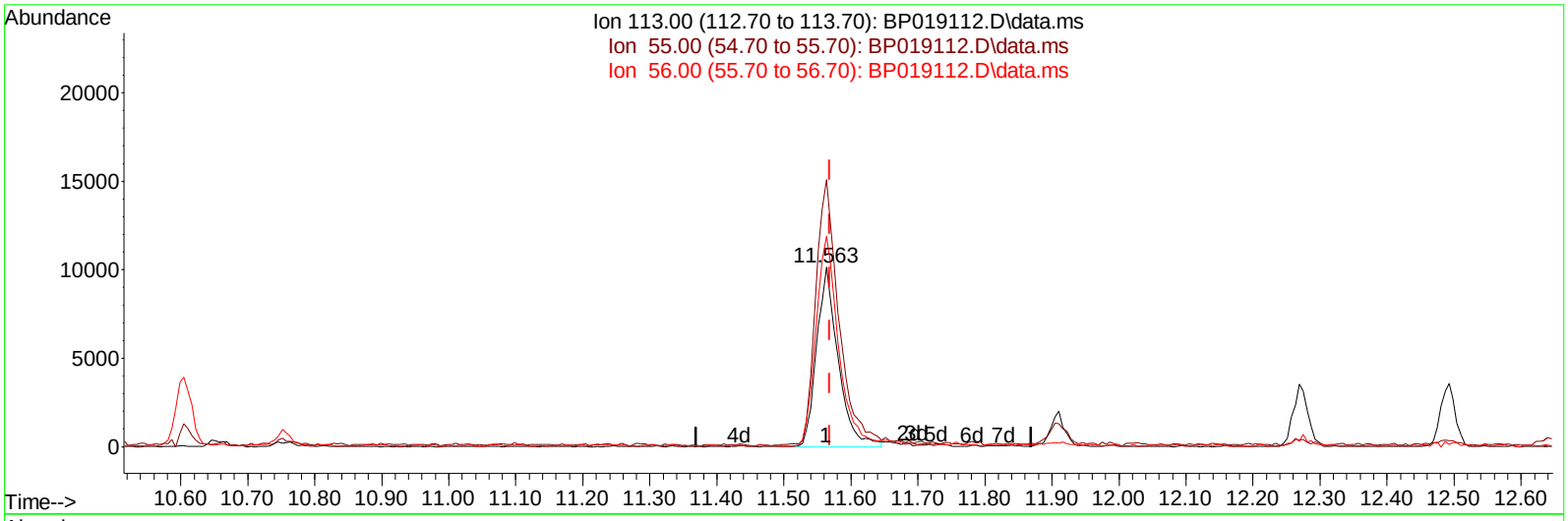
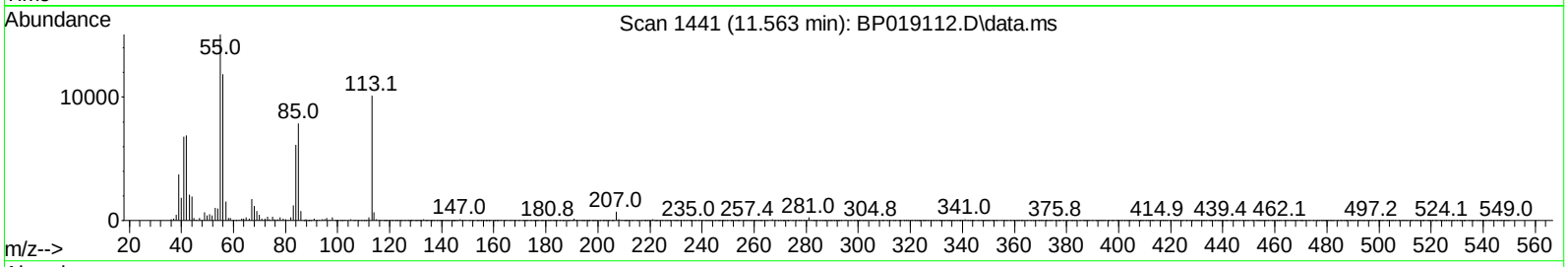
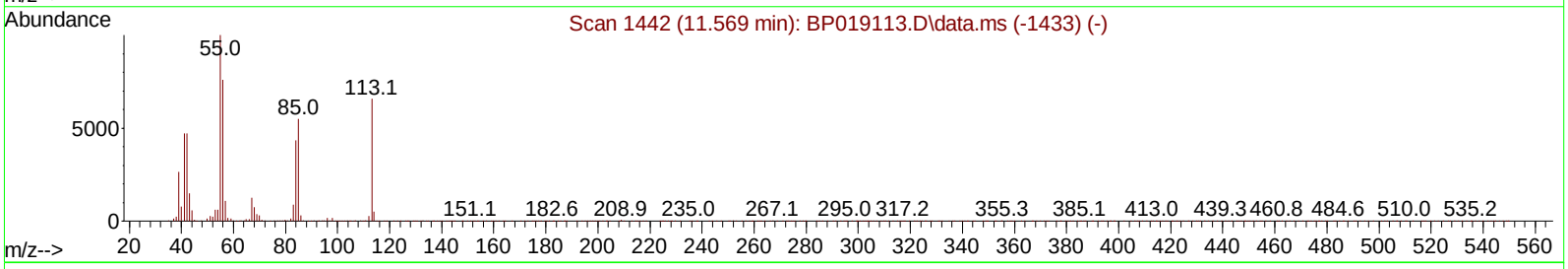
**Instrument :**
BNA_P
**ClientSampleId :**
SSTD010638

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023




TIC: BP019112.D\data.ms

**(34) Caprolactam**

**11.563min (-0.006) 8.24 ng/ul m**

**response 22656**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 153.30 | 148.66 |
| 56.00 | 116.20 | 117.15 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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Operator : MA/JU
Sample : SSTD01071
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 28 02:57:50 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP122723.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 28 02:21:23 2023
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SSTD010638

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.811 | 152 | 150070 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.604 | 136 | 570215 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.451 | 164 | 351729 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.210 | 188 | 818237 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.316 | 240 | 946570 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.686 | 264 | 1135365 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.234 | 96 | 17097m | 3.908 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.658 | 84 | 110030 | 9.977 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.987 | 99 | 125395 | 9.318 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.146 | 67 | 76650 | 9.845 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.340 | 132 | 99461 | 9.167 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.528 | 113 | 95796 | 9.143 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.975 | 128 | 43016 | 8.727 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.693 | 143 | 45630 | 8.566 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.234 | 165 | 96296 | 8.952 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.752 | 131 | 130475 | 9.861 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.869 | 166 | 287856 | 9.265 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.145 | 160 | 312634 | 9.274 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.669 | 143 | 45252 | 8.626 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.451 | 176 | 253129 | 9.431 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.575 | 200 | 41142 | 7.670 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.310 | 188 | 406046 | 9.502 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.557 | 212 | 528341 | 9.159 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.527 | 264 | 602365 | 9.230 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.270 | 88 | 18849 | 3.902 | ng/uL | 99 |
| 5) Pyridine | 3.675 | 79 | 113846 | 10.169 | ng/ul | 92 |
| 6) Benzaldehyde | 6.952 | 77 | 73546 | 11.770 | ng/ul | 98 |
| 8) Phenol | 7.011 | 94 | 128165 | 9.642 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.240 | 93 | 105895 | 9.846 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.369 | 128 | 102198 | 9.203 | ng/ul | 97 |
| 13) 2-Methylphenol | 8.263 | 108 | 90519 | 9.205 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.334 | 45 | 127432 | 10.044 | ng/ul | 97 |
| 16) Acetophenone | 8.640 | 105 | 152459 | 9.716 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.622 | 70 | 70811 | 9.049 | ng/ul | 97 |
| 18) 4-Methylphenol | 8.593 | 108 | 98999 | 9.353 | ng/ul | 98 |
| 19) Hexachloroethane | 8.881 | 117 | 42612 | 9.149 | ng/ul | 93 |
| 22) Nitrobenzene | 9.016 | 77 | 111725 | 9.278 | ng/ul | 97 |
| 23) Isophorone | 9.540 | 82 | 194773 | 8.969 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.722 | 139 | 49620 | 8.724 | ng/ul | 98 |
| 26) 2,4-Dimethylphenol | 9.793 | 107 | 92127 | 9.200 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 10.028 | 93 | 133632 | 9.310 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.257 | 162 | 96284 | 9.159 | ng/ul | 99 |
| 30) Naphthalene | 10.657 | 128 | 326704 | 9.503 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.775 | 127 | 127127 | 10.013 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 10.940 | 225 | 75078 | 9.280 | ng/ul | 99 |
| 34) Caprolactam | 11.563 | 113 | 22656m | 8.235 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.904 | 107 | 93134 | 9.025 | ng/ul | 97 |

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**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 12/28/2023
Supervised By :Sohil Jodhani 12/28/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.269 | 142 | 212807 | 9.181 | ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.493 | 142 | 213503 | 9.134 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.640 | 216 | 131887 | 9.104 | ng/ul | 97 |
| 40) Hexachlorocyclopentadiene | 12.616 | 237 | 69854 | 8.688 | ng/ul | 97 |
| 41) 2,4,6-Trichlorophenol | 12.887 | 196 | 76824 | 8.886 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 12.957 | 196 | 82470 | 8.987 | ng/ul | 95 |
| 43) 1,1'-Biphenyl | 13.287 | 154 | 288470 | 9.402 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.328 | 162 | 230094 | 9.346 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.540 | 65 | 50666 | 8.572 | ng/ul | 93 |
| 47) Dimethylphthalate | 13.916 | 163 | 287615 | 9.379 | ng/ul | 98 |
| 48) 2,6-Dinitrotoluene | 14.040 | 165 | 48735 | 8.648 | ng/ul | 98 |
| 50) Acenaphthylene | 14.175 | 152 | 357215 | 9.418 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.375 | 138 | 48740 | 8.847 | ng/ul | 99 |
| 52) Acenaphthene | 14.516 | 153 | 246112 | 9.574 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.581 | 184 | 25336 | 6.979 | ng/ul | 94 |
| 55) 4-Nitrophenol | 14.681 | 109 | 37616 | 8.972 | ng/ul | 96 |
| 56) Dibenzofuran | 14.857 | 168 | 350071 | 9.536 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.828 | 165 | 72069 | 8.696 | ng/ul | 96 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.087 | 232 | 72173 | 9.002 | ng/ul | 99 |
| 59) Diethylphthalate | 15.287 | 149 | 278113 | 9.353 | ng/ul | 99 |
| 61) Fluorene | 15.504 | 166 | 282892 | 9.628 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.504 | 204 | 153329 | 9.556 | ng/ul | 99 |
| 63) 4-Nitroaniline | 15.534 | 138 | 51324 | 9.510 | ng/ul | 99 |
| 66) 4,6-Dinitro-2-methylph... | 15.592 | 198 | 45778 | 8.060 | ng/ul# | 96 |
| 67) N-Nitrosodiphenylamine | 15.722 | 169 | 237802 | 9.523 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.398 | 248 | 94259 | 9.268 | ng/ul | 99 |
| 69) Hexachlorobenzene | 16.510 | 284 | 114133 | 9.183 | ng/ul | 98 |
| 70) Atrazine | 16.681 | 200 | 84096 | 11.933 | ng/ul | 96 |
| 71) Pentachlorophenol | 16.863 | 266 | 58707 | 8.045 | ng/ul | 98 |
| 72) Phenanthrene | 17.251 | 178 | 473202 | 9.543 | ng/ul | 99 |
| 74) Anthracene | 17.345 | 178 | 472899 | 9.580 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.251 | 216 | 131466 | 9.241 | ng/uL | 98 |
| 76) Pentachlorobenzene | 14.769 | 250 | 132002 | 9.337 | ng/uL | 98 |
| 77) Carbazole | 17.622 | 167 | 423613 | 10.316 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.181 | 149 | 470593 | 9.241 | ng/ul | 100 |
| 80) Fluoranthene | 19.228 | 202 | 612025 | 9.245 | ng/ul | 98 |
| 82) Pyrene | 19.586 | 202 | 648201 | 9.346 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.469 | 149 | 214973 | 8.677 | ng/ul | 98 |
| 84) 3,3'-Dichlorobenzidine | 21.239 | 252 | 225238 | 9.512 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.298 | 228 | 712281 | 9.524 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.227 | 149 | 327127 | 8.967 | ng/ul | 99 |
| 87) Chrysene | 21.351 | 228 | 663211 | 9.510 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.145 | 149 | 567712 | 8.744 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 22.963 | 252 | 747562 | 9.374 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.010 | 252 | 728820 | 9.300 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.580 | 252 | 699718 | 9.322 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 26.139 | 276 | 898738 | 9.340 | ng/ul | 98 |
| 95) Dibenzo(a,h)anthracene | 26.157 | 278 | 751433 | 9.388 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 26.898 | 276 | 711004 | 9.221 | ng/ul | 99 |

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

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