Quantitation Report (Qedit)

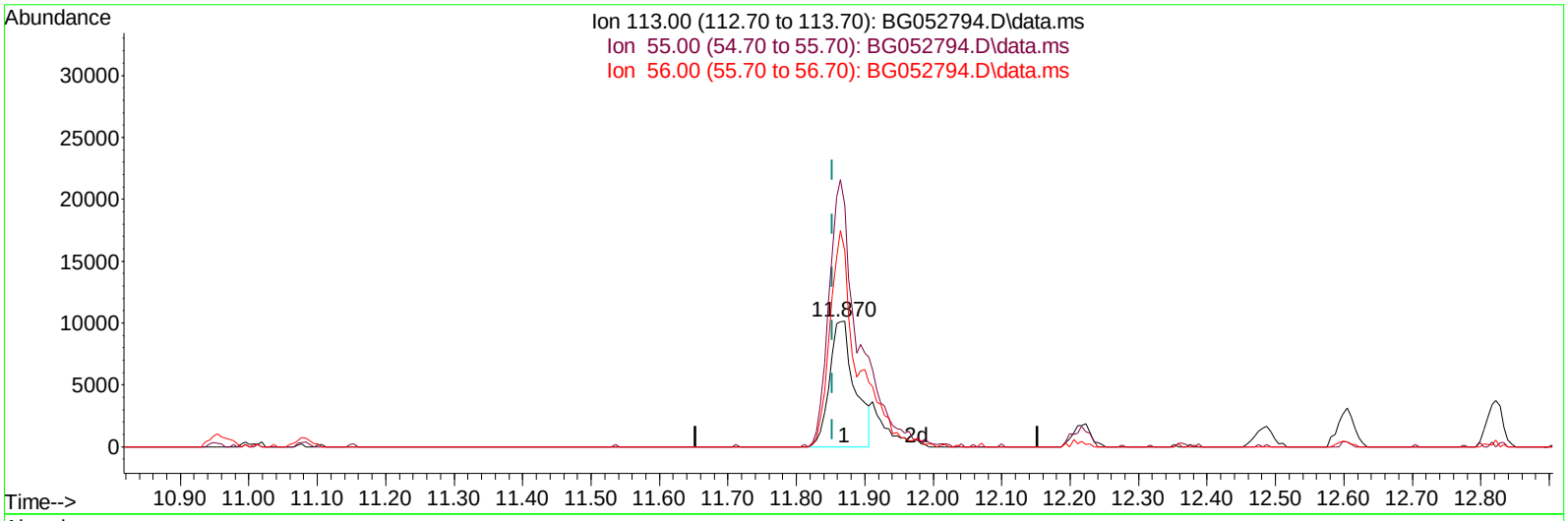
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032322\
Data File : BG052794.D
Acq On : 23 Mar 2022 12:45
Operator : CG/JU
Sample : N1820-05MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

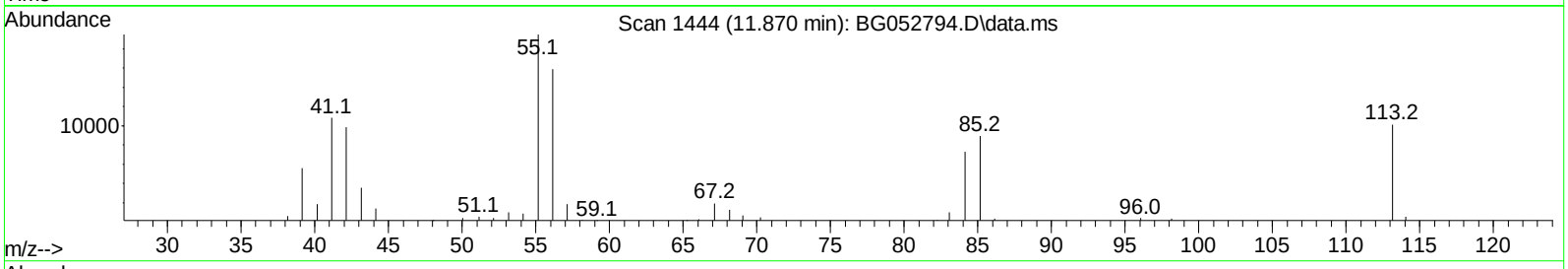
Quant Time: Mar 23 13:33:50 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG031822.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 23 13:16:32 2022
Response via : Initial Calibration

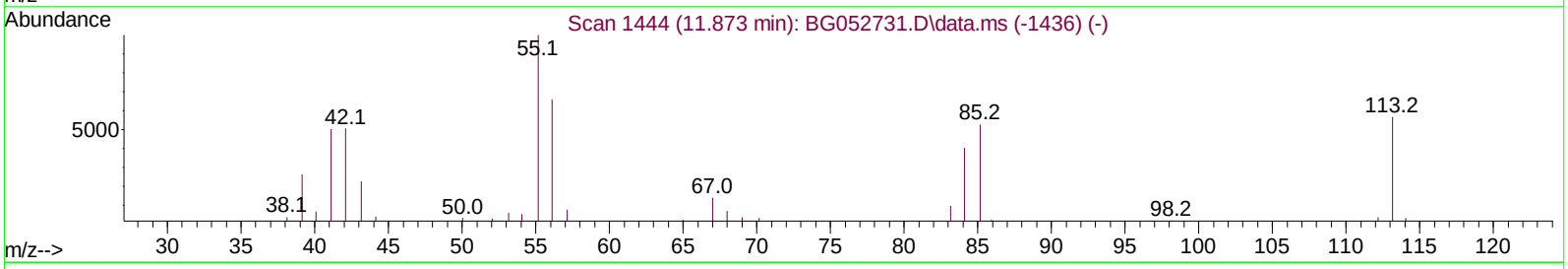
**Instrument :**
BNA_G
**ClientSampleId :**
DBRZ5MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 03/23/2022
Supervised By :mohammad ahmed 03/25/2022




TIC: BG052794.D\data.ms

**(34) Caprolactam**

**11.870min (+ 0.017) 40.53 ng/ul**

**response 25952**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 177.50 | 192.51 |
| 56.00 | 120.10 | 156.61# |
| 0.00 | 0.00 | 0.00 |

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**Manual IntegrationsAPPROVED**

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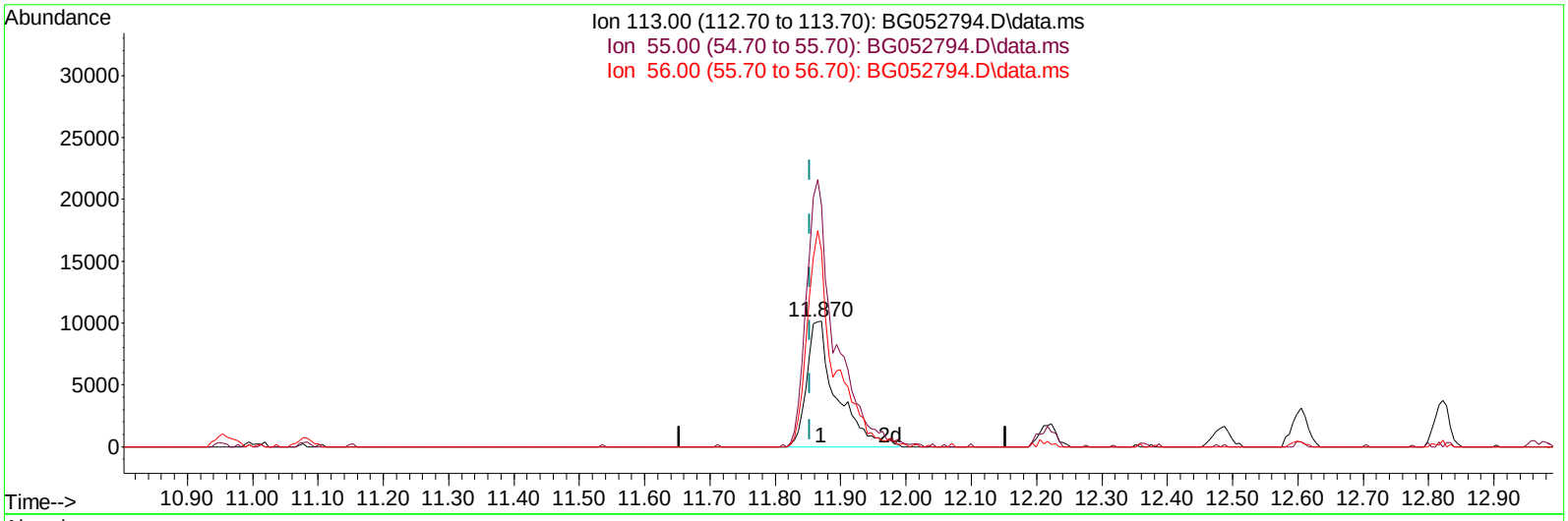


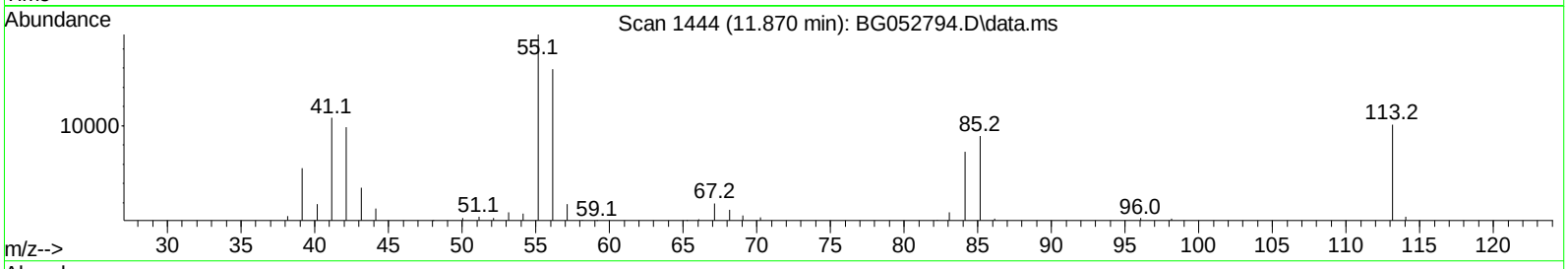


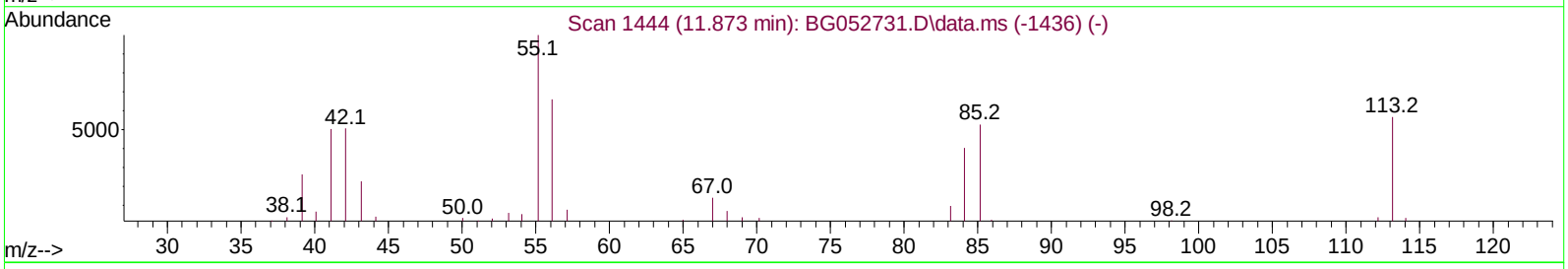


TIC: BG052794.D\data.ms

**(34) Caprolactam**

**11.870min (+ 0.017) 49.48 ng/ul m**

**response 31682**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 177.50 | 192.51 |
| 56.00 | 120.10 | 156.61# |
| 0.00 | 0.00 | 0.00 |

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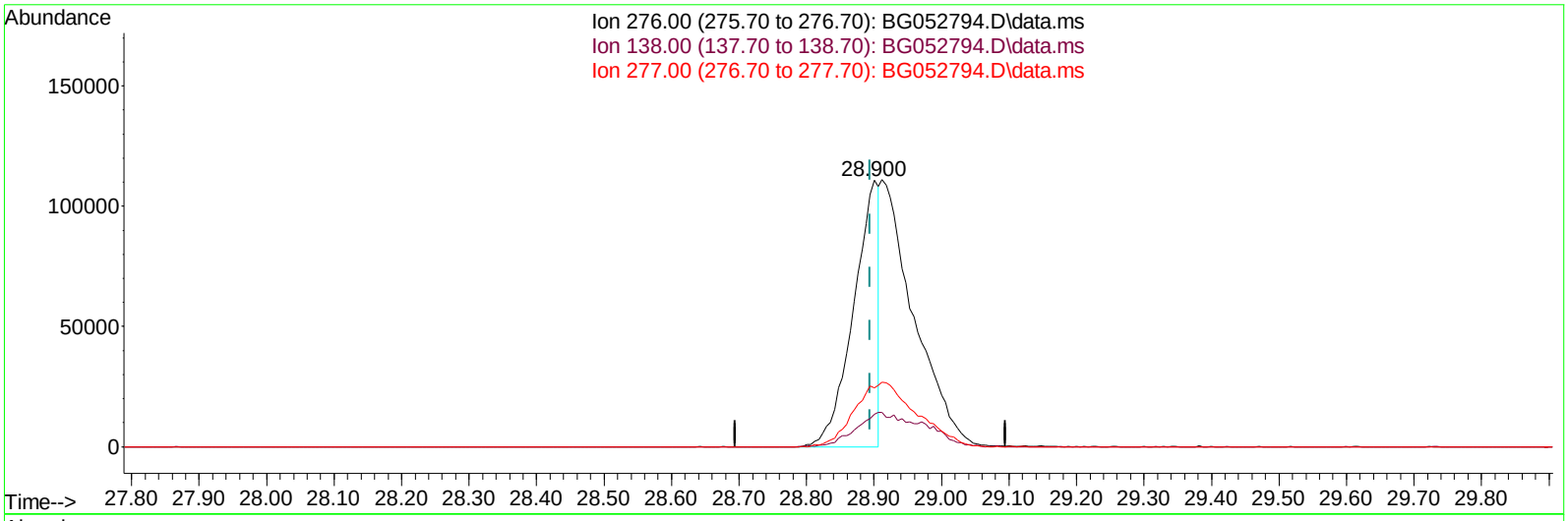


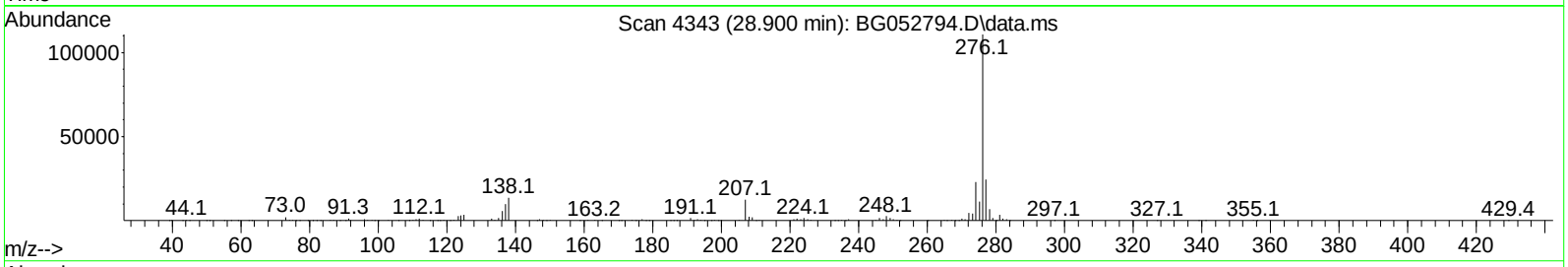


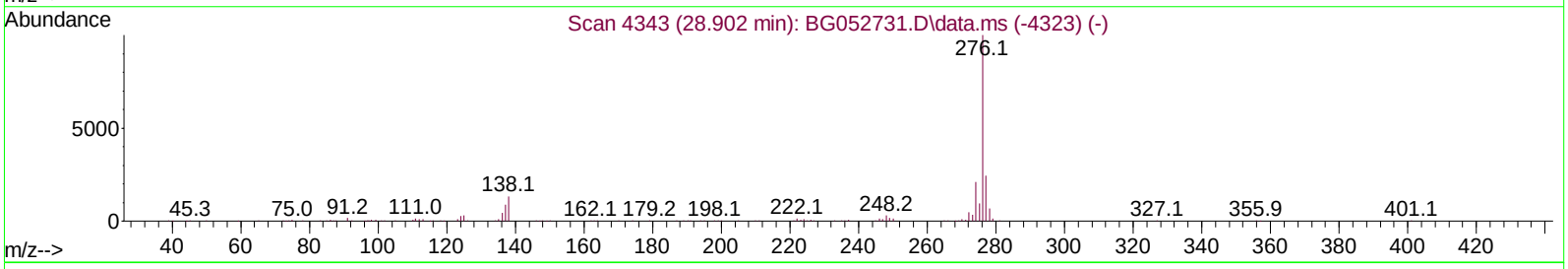


TIC: BG052794.D\data.ms

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

**28.900min (+ 0.006) 16.83 ng/ul**

**response 288694**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 11.60 | 12.17 |
| 277.00 | 24.30 | 22.09 |
| 0.00 | 0.00 | 0.00 |

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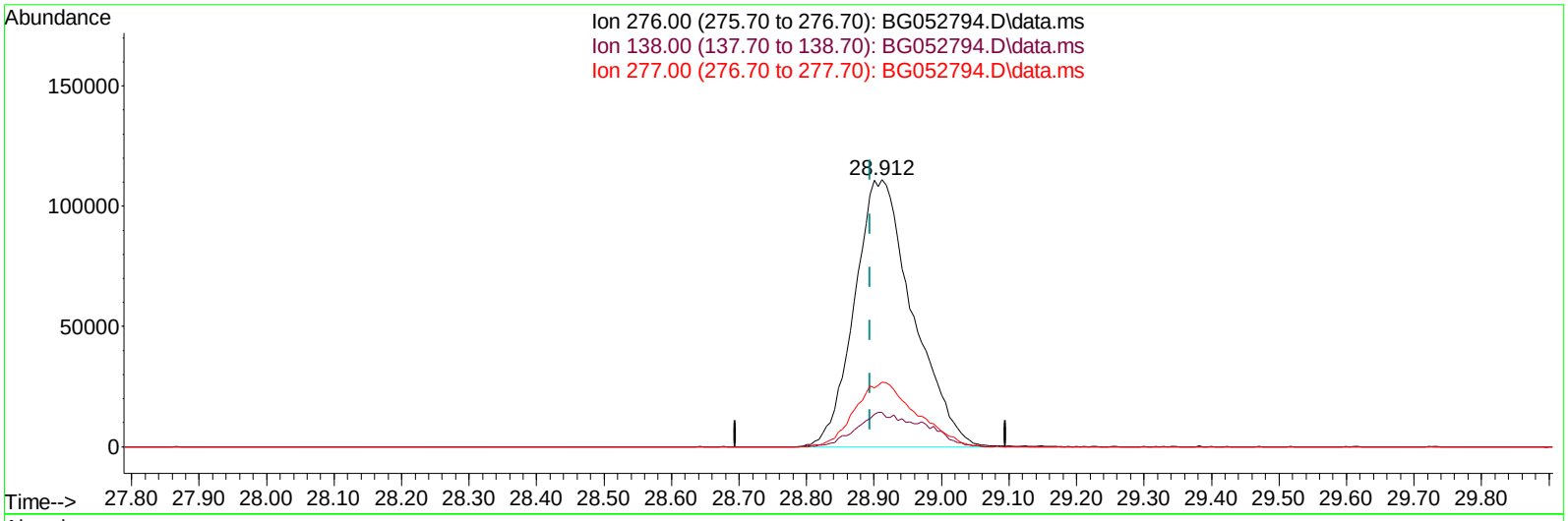
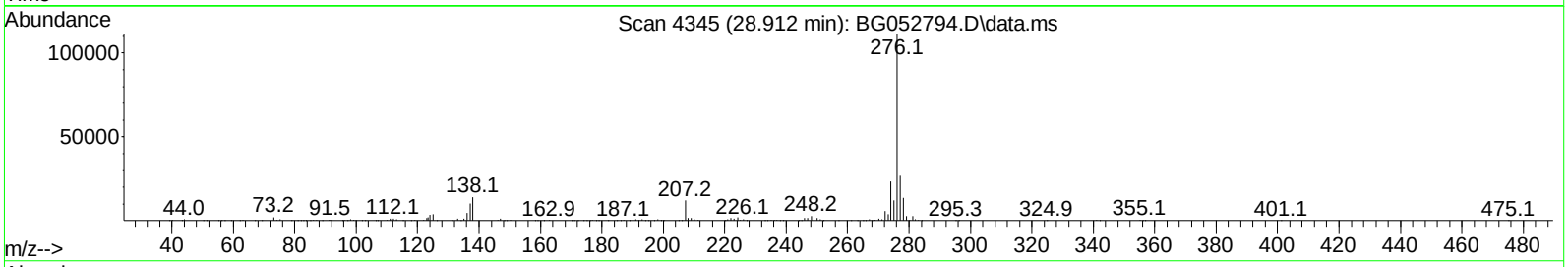
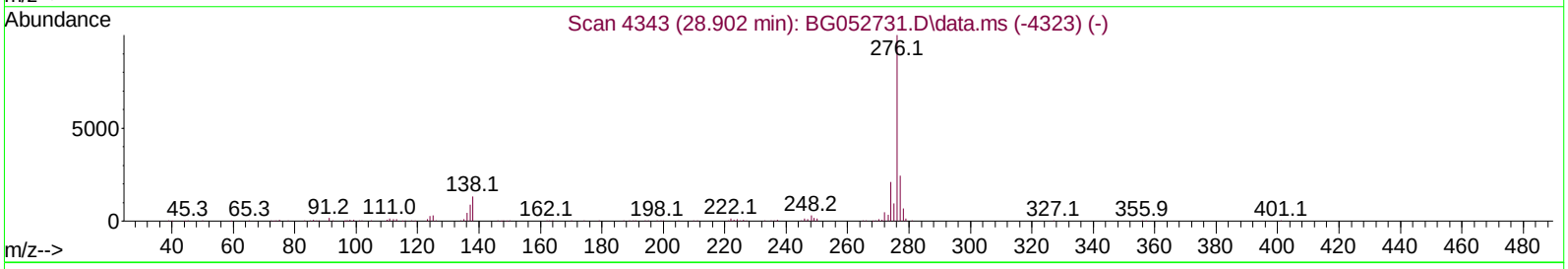
**Instrument :**
BNA_G
**ClientSampleId :**
DBRZ5MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 03/23/2022
Supervised By :mohammad ahmed 03/25/2022




TIC: BG052794.D\data.ms

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

**28.912min (+ 0.017) 38.88 ng/ul m**

**response 666750**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 11.60 | 12.80 |
| 277.00 | 24.30 | 24.23 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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Sample : N1820-05MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 23 13:33:50 2022
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 23 13:16:32 2022
Response via : Initial Calibration

**Instrument :**
BNA_G
**ClientSampleId :**
DBRZ5MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 03/23/2022
Supervised By :mohammad ahmed 03/25/2022

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.140 | 152 | 31138 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.954 | 136 | 132370 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.766 | 164 | 100452 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.510 | 188 | 246303 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.798 | 240 | 239584 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 25.111 | 264 | 248731 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.552 | 96 | 4315 | 4.895 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.969 | 84 | 68017 | 30.907 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.288 | 99 | 100166 | 35.916 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.459 | 67 | 63137 | 37.067 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.670 | 132 | 69480 | 36.690 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.839 | 113 | 76957 | 38.093 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.303 | 128 | 35732 | 37.500 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.032 | 143 | 41867 | 41.658 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.572 | 165 | 81947 | 37.480 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.077 | 131 | 94513 | 32.707 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.161 | 166 | 290498 | 37.643 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.461 | 160 | 331620 | 35.363 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.937 | 143 | 48873 | 37.667 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.753 | 176 | 247272 | 36.492 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.859 | 200 | 46759 | 37.305 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.610 | 188 | 391478 | 34.133 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.889 | 212 | 491377 | 36.662 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.888 | 264 | 465271 | 36.202 | ng/ul | 0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.593 | 88 | 12363 | 11.446 | ng/uL | 90 |
| 5) Pyridine | 3.993 | 79 | 87942 | 36.982 | ng/ul | 95 |
| 6) Benzaldehyde | 7.271 | 77 | 76080 | 41.035 | ng/ul | 97 |
| 8) Phenol | 7.318 | 94 | 110377 | 41.065 | ng/ul | 95 |
| 10) Bis(2-Chloroethyl)ether | 7.553 | 93 | 79917 | 39.412 | ng/ul | 97 |
| 12) 2-Chlorophenol | 7.705 | 128 | 75385 | 38.963 | ng/ul | 89 |
| 13) 2-Methylphenol | 8.575 | 108 | 83949 | 40.186 | ng/ul | 99 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.669 | 45 | 133357 | 40.461 | ng/ul | 96 |
| 16) Acetophenone | 8.962 | 105 | 127698 | 40.517 | ng/ul | 96 |
| 17) N-Nitroso-di-n-propyla... | 8.951 | 70 | 76233 | 41.491 | ng/ul | 96 |
| 18) 4-Methylphenol | 8.904 | 108 | 88681 | 40.745 | ng/ul | 98 |
| 19) Hexachloroethane | 9.239 | 117 | 32300 | 37.626 | ng/ul | 87 |
| 22) Nitrobenzene | 9.344 | 77 | 113377 | 40.722 | ng/ul | 98 |
| 23) Isophorone | 9.873 | 82 | 216635 | 40.707 | ng/ul | 96 |
| 25) 2-Nitrophenol | 10.061 | 139 | 45812 | 43.958 | ng/ul | 96 |
| 26) 2,4-Dimethylphenol | 10.114 | 107 | 95898 | 37.135 | ng/ul | 97 |
| 27) Bis(2-Chloroethoxy)met... | 10.349 | 93 | 114281 | 38.616 | ng/ul | 94 |
| 29) 2,4-Dichlorophenol | 10.596 | 162 | 84587 | 39.791 | ng/ul | 99 |
| 30) Naphthalene | 11.007 | 128 | 256913 | 37.505 | ng/ul | 97 |
| 32) 4-Chloroaniline | 11.107 | 127 | 101469 | 35.735 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 11.301 | 225 | 65801 | 37.901 | ng/ul | 96 |
| 34) Caprolactam | 11.870 | 113 | 31682m | 49.485 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.217 | 107 | 101727 | 44.115 | ng/ul | 94 |

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**Instrument :**
BNA_G
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.605 | 142 | 188234 | 38.937 | ng/ul | 97 |
| 37) 1-Methylnaphthalene | 12.822 | 142 | 188724 | 38.561 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.969 | 216 | 124749 | 37.572 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.951 | 237 | 74844 | 32.561 | ng/ul | 96 |
| 41) 2,4,6-Trichlorophenol | 13.198 | 196 | 82717 | 40.770 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 13.268 | 196 | 91539 | 41.779 | ng/ul | 96 |
| 43) 1,1'-Biphenyl | 13.603 | 154 | 266440 | 37.118 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.644 | 162 | 204861 | 35.641 | ng/ul | 95 |
| 45) 2-Nitroaniline | 13.832 | 65 | 76416 | 45.354 | ng/ul | 96 |
| 47) Dimethylphthalate | 14.208 | 163 | 286803 | 38.944 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.326 | 165 | 59378 | 44.509 | ng/ul | 90 |
| 50) Acenaphthylene | 14.490 | 152 | 338479 | 37.373 | ng/ul | 98 |
| 51) 3-Nitroaniline | 14.655 | 138 | 58599 | 43.517 | ng/ul | 97 |
| 52) Acenaphthene | 14.831 | 153 | 224796 | 37.994 | ng/ul | 97 |
| 53) 2,4-Dinitrophenol | 14.860 | 184 | 37524 | 45.276 | ng/ul# | 61 |
| 55) 4-Nitrophenol | 14.954 | 109 | 61338 | 44.919 | ng/ul | 90 |
| 56) Dibenzofuran | 15.160 | 168 | 339320 | 38.685 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 15.113 | 165 | 86803 | 45.858 | ng/ul# | 89 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.383 | 232 | 84038 | 42.552 | ng/ul# | 98 |
| 59) Diethylphthalate | 15.571 | 149 | 306920 | 41.150 | ng/ul | 99 |
| 61) Fluorene | 15.812 | 166 | 277941 | 38.228 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.800 | 204 | 150628 | 38.934 | ng/ul | 95 |
| 63) 4-Nitroaniline | 15.818 | 138 | 61367 | 46.342 | ng/ul | 88 |
| 66) 4,6-Dinitro-2-methylph... | 15.877 | 198 | 53515 | 43.636 | ng/ul | 95 |
| 67) N-Nitrosodiphenylamine | 16.012 | 169 | 251592 | 37.780 | ng/ul | 95 |
| 68) 4-Bromophenyl-phenylether | 16.693 | 248 | 111996 | 45.923 | ng/ul | 94 |
| 69) Hexachlorobenzene | 16.817 | 284 | 124840 | 39.628 | ng/ul | 96 |
| 70) Atrazine | 16.952 | 200 | 114086 | 41.802 | ng/ul | 98 |
| 71) Pentachlorophenol | 17.157 | 266 | 79561 | 41.531 | ng/ul | 94 |
| 72) Phenanthrene | 17.551 | 178 | 489976 | 37.904 | ng/ul | 100 |
| 74) Anthracene | 17.645 | 178 | 477426 | 36.942 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.574 | 216 | 134430 | 36.646 | ng/uL | 98 |
| 76) Pentachlorobenzene | 15.084 | 250 | 139263 | 39.570 | ng/uL | 95 |
| 77) Carbazole | 17.903 | 167 | 440697 | 38.585 | ng/ul | 97 |
| 78) Di-n-butylphthalate | 18.461 | 149 | 534397 | 39.346 | ng/ul | 100 |
| 80) Fluoranthene | 19.554 | 202 | 621421 | 39.345 | ng/ul | 99 |
| 82) Pyrene | 19.918 | 202 | 599247 | 38.172 | ng/ul | 97 |
| 83) Butylbenzylphthalate | 20.794 | 149 | 229868 | 42.115 | ng/ul | 94 |
| 84) 3,3'-Dichlorobenzidine | 21.681 | 252 | 188575 | 35.117 | ng/ul | 94 |
| 85) Benzo(a)anthracene | 21.775 | 228 | 580224 | 37.523 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.681 | 149 | 312990 | 41.402 | ng/ul | 95 |
| 87) Chrysene | 21.845 | 228 | 551029 | 37.360 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.926 | 149 | 535037 | 41.298 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 24.060 | 252 | 610047 | 37.983 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 24.130 | 252 | 555506 | 37.476 | ng/ul | 97 |
| 93) Benzo(a)pyrene | 24.964 | 252 | 570474 | 37.621 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 28.912 | 276 | 666750m | 38.880 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 28.982 | 278 | 557482 | 38.247 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 30.093 | 276 | 556116 | 38.362 | ng/ul | 99 |

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

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