Quantitation Report (Qedit)

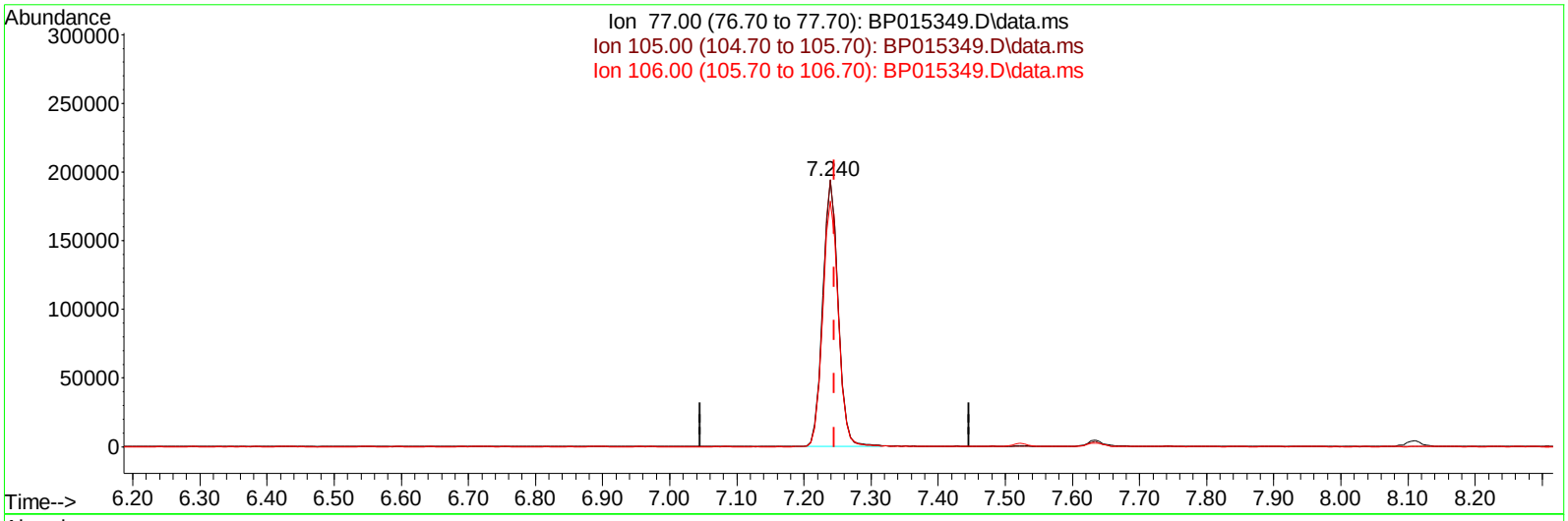
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP053023\
Data File : BP015349.D
Acq On : 30 May 2023 23:51
Operator : CG/JU
Sample : 02961-12MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

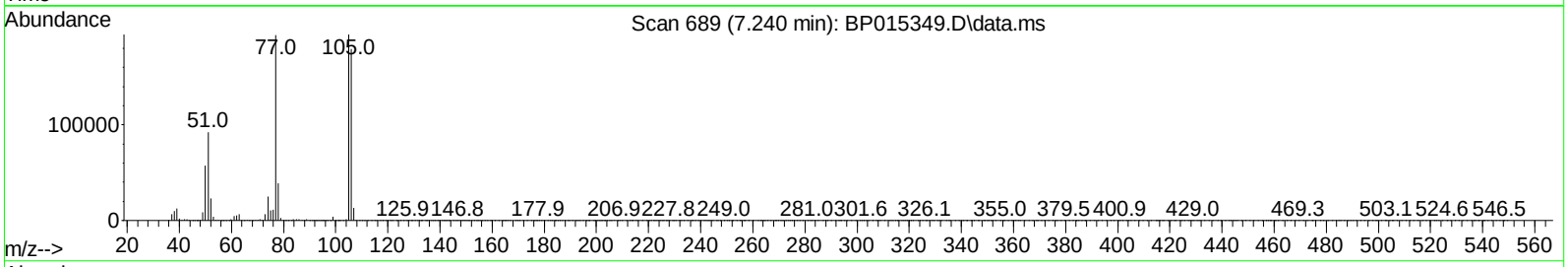
Quant Time: May 31 00:49:02 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP051123.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 30 15:23:22 2023
Response via : Initial Calibration

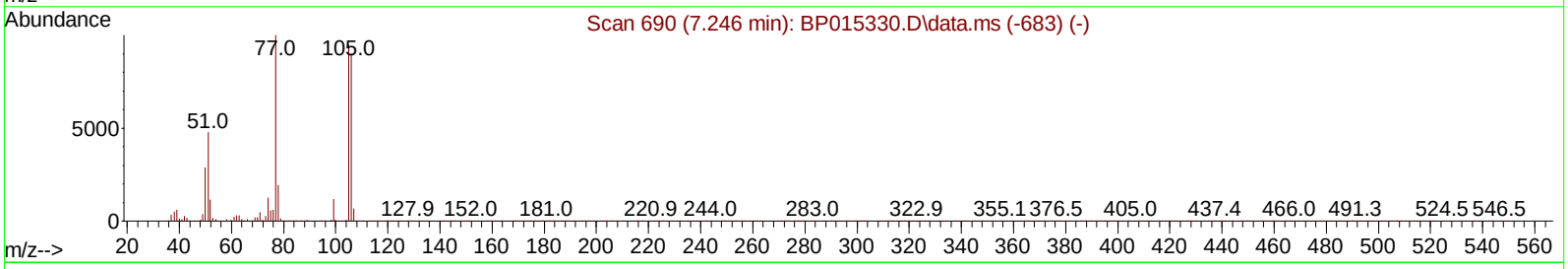
**Instrument :**
BNA_P
**ClientSampleId :**
H0FQ2MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Jagrut Upadhyay 05/31/2023




TIC: BP015349.D\data.ms

**(6) Benzaldehyde**

**7.240min (-0.006) 65.14 ng/ul**

**response 308246**

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100.00 | 100.00 |
| 105.00 | 96.10 | 100.16 |
| 106.00 | 93.80 | 92.25 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
BNA_P
**ClientSampleId :**
H0FQ2MSD

**Manual IntegrationsAPPROVED**

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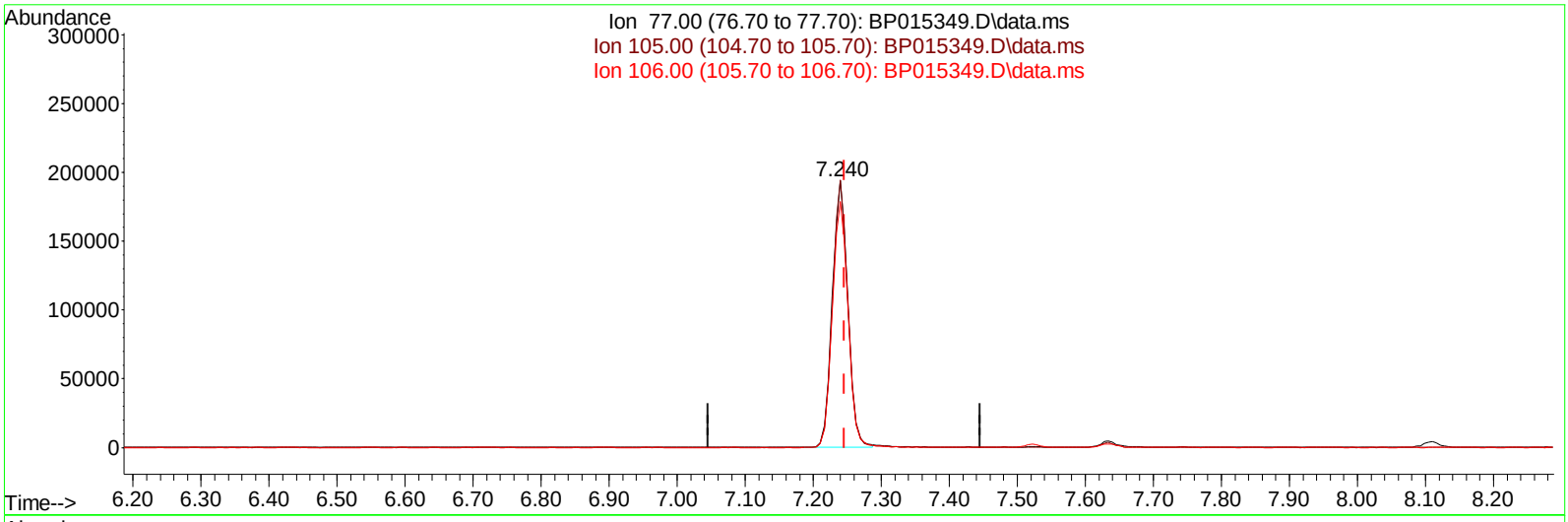


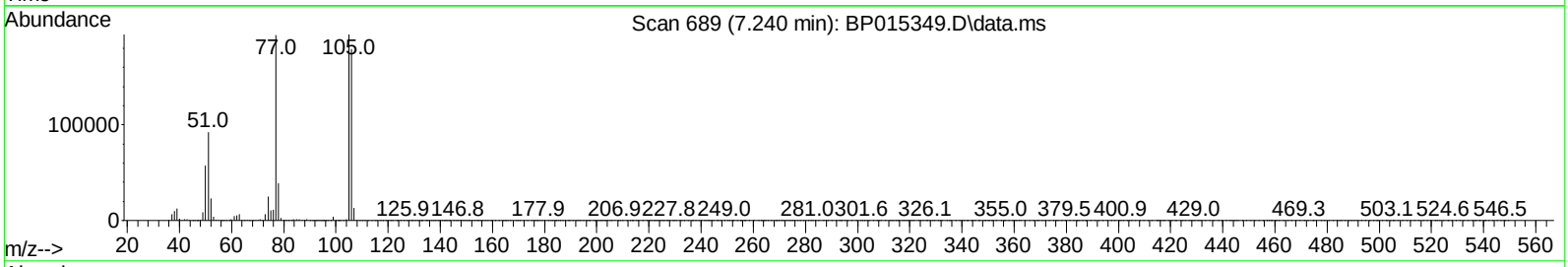


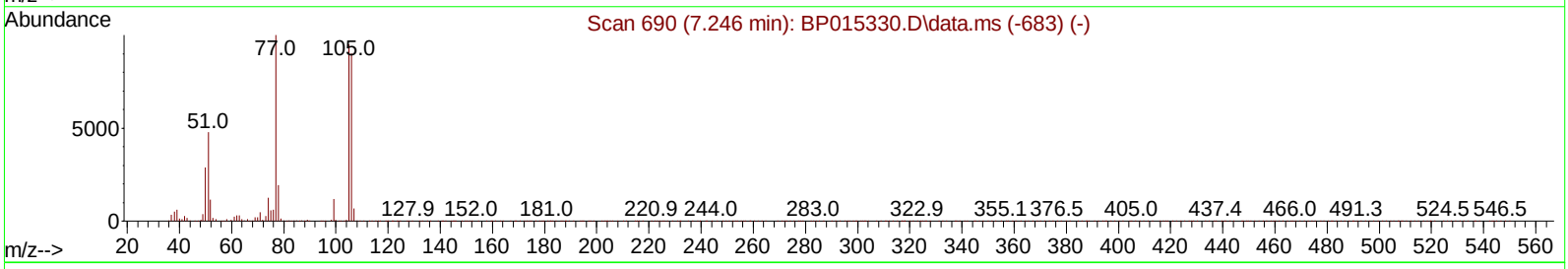


TIC: BP015349.D\data.ms

**(6) Benzaldehyde**

**7.240min (-0.006) 64.90 ng/ul m**

**response 307110**

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100.00 | 100.00 |
| 105.00 | 96.10 | 100.16 |
| 106.00 | 93.80 | 92.25 |
| 0.00 | 0.00 | 0.00 |

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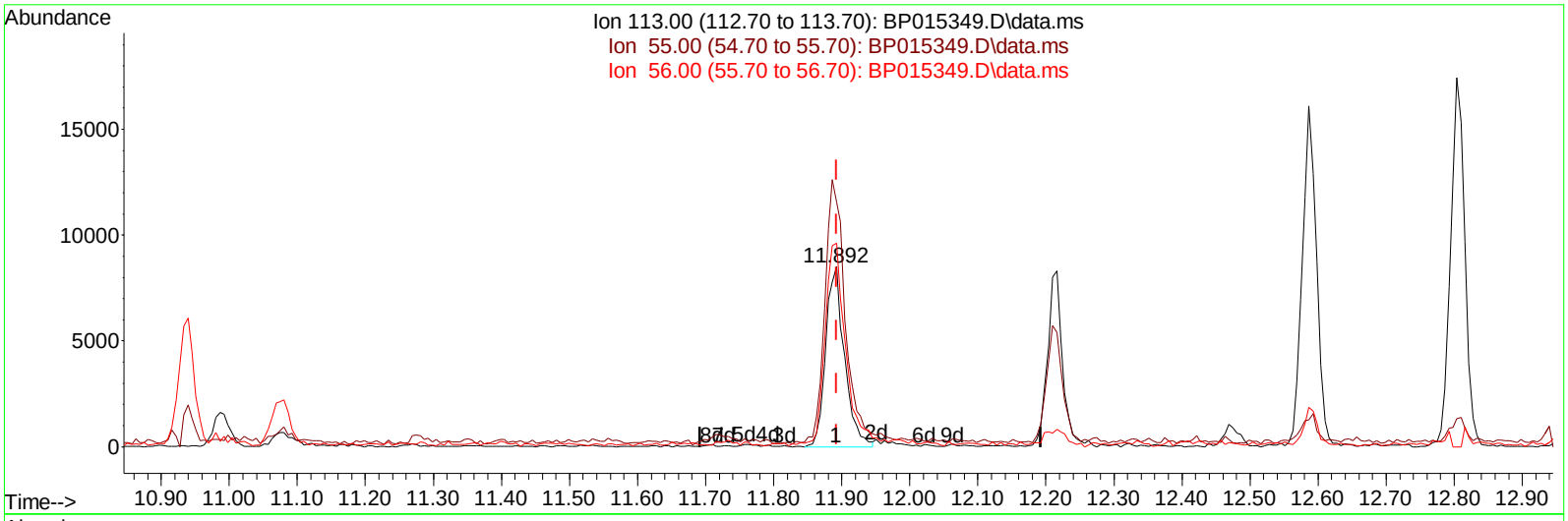


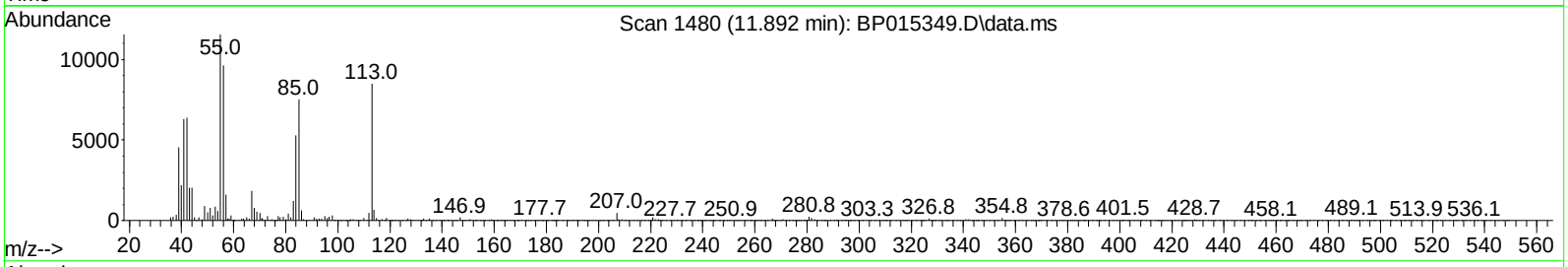


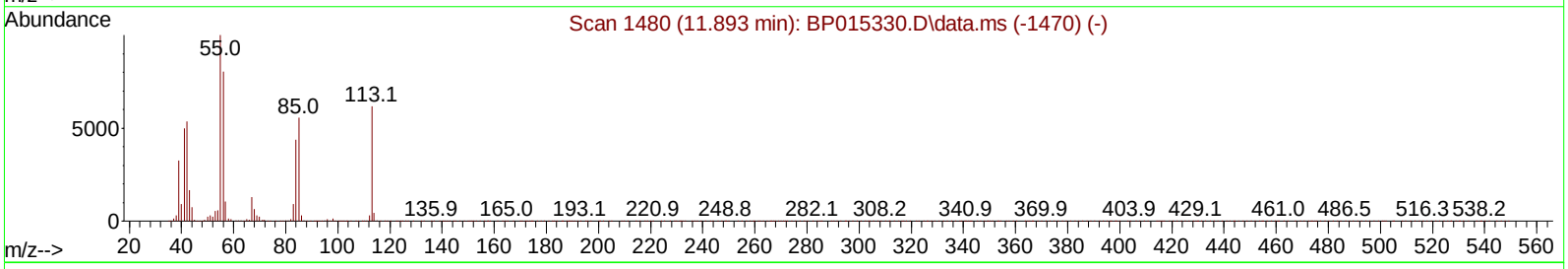


TIC: BP015349.D\data.ms

**(34) Caprolactam**

**11.892min (-0.000) 3.31 ng/ul**

**response 16230**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 151.50 | 135.74 |
| 56.00 | 112.80 | 113.11 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
BNA_P
**ClientSampleId :**
H0FQ2MSD

**Manual IntegrationsAPPROVED**

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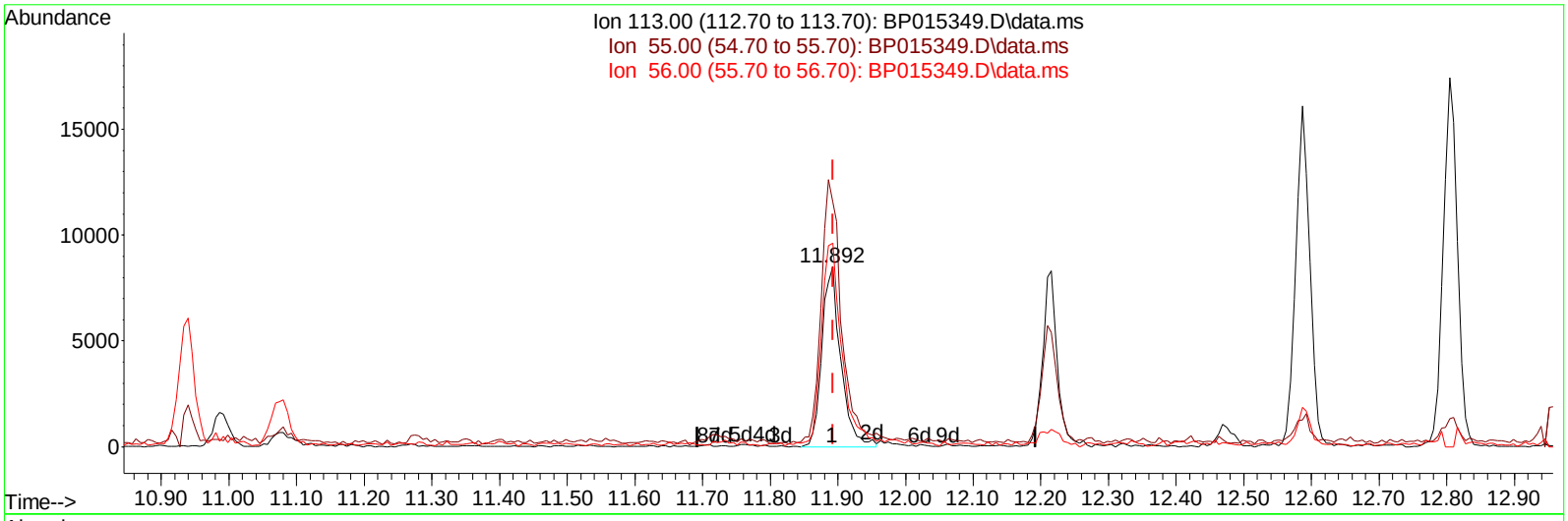


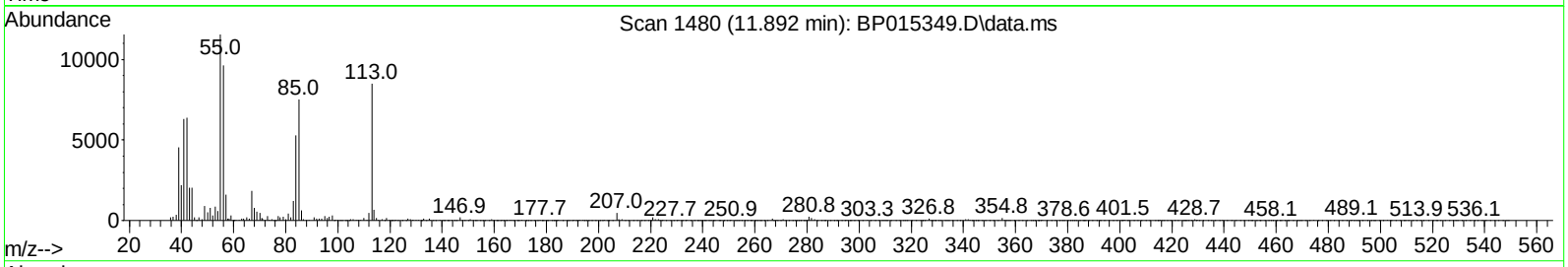


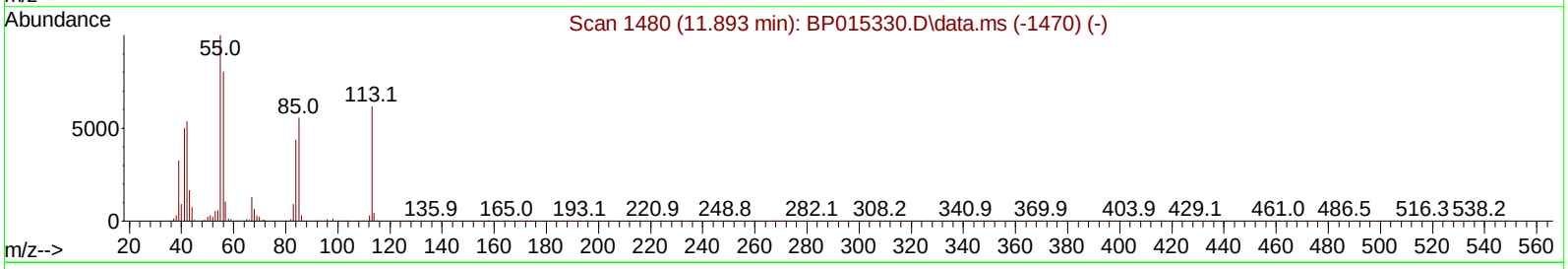


TIC: BP015349.D\data.ms

**(34) Caprolactam**

**11.892min (-0.000) 3.35 ng/ul m**

**response 16394**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 151.50 | 135.74 |
| 56.00 | 112.80 | 113.11 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
H0FQ2MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Christian Giraldo 05/31/2023
Supervised By :Jagrut Upadhyay 05/31/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 8.110 | 152 | 185432 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.939 | 136 | 815351 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.751 | 164 | 572966 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.510 | 188 | 1365389 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.586 | 240 | 1396242 | 20.000 | ng/ul | #-0.01 |
| 88) Perylene-d12 | 24.145 | 264 | 1666663 | 20.000 | ng/ul | -0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.416 | 96 | 16309 | 3.417 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.863 | 84 | 72118 | 5.331 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.263 | 99 | 79827 | 4.637 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.428 | 67 | 245249 | 24.664 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.634 | 132 | 255006 | 20.144 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.822 | 113 | 171622 | 12.510 | ng/ul | -0.01 |
| 21) Nitrobenzene-d5 | 9.287 | 128 | 184261 | 28.759 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 10.016 | 143 | 210710 | 29.557 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.557 | 165 | 360397 | 28.016 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 11.075 | 131 | 310732 | 16.326 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.157 | 166 | 1411302 | 32.596 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.445 | 160 | 1485484 | 29.999 | ng/ul | -0.01 |
| 54) 4-Nitrophenol-d4 | 14.951 | 143 | 47518 | 5.652 | ng/ul | -0.01 |
| 60) Fluorene-d10 | 15.745 | 176 | 1167967 | 31.969 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.869 | 200 | 283302 | 32.924 | ng/ul | -0.01 |
| 73) Anthracene-d10 | 17.610 | 188 | 1900724 | 30.401 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.827 | 212 | 2426012 | 29.958 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.980 | 264 | 2674939 | 32.331 | ng/ul | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.457 | 88 | 15331 | 2.989 | ng/uL# | 92 |
| 5) Pyridine | 3.887 | 79 | 82071 | 5.833 | ng/ul | 94 |
| 6) Benzaldehyde | 7.240 | 77 | 307110m | 64.897 | ng/ul | |
| 8) Phenol | 7.287 | 94 | 94880 | 5.374 | ng/ul# | 89 |
| 10) Bis(2-Chloroethyl)ether | 7.522 | 93 | 359972 | 25.485 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.669 | 128 | 276523 | 20.652 | ng/ul | 97 |
| 13) 2-Methylphenol | 8.557 | 108 | 212636 | 15.584 | ng/ul | 98 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.634 | 45 | 460085 | 25.999 | ng/ul | 99 |
| 16) Acetophenone | 8.945 | 105 | 619965 | 28.954 | ng/ul | 95 |
| 17) N-Nitroso-di-n-propyla... | 8.922 | 70 | 325834 | 29.016 | ng/ul | 93 |
| 18) 4-Methylphenol | 8.887 | 108 | 201169 | 13.395 | ng/ul | 97 |
| 19) Hexachloroethane | 9.198 | 117 | 139393 | 25.496 | ng/ul# | 76 |
| 22) Nitrobenzene | 9.328 | 77 | 467410 | 29.538 | ng/ul | 98 |
| 23) Isophorone | 9.857 | 82 | 975386 | 29.988 | ng/ul | 99 |
| 25) 2-Nitrophenol | 10.045 | 139 | 235501 | 30.125 | ng/ul# | 89 |
| 26) 2,4-Dimethylphenol | 10.098 | 107 | 397657 | 25.491 | ng/ul | 96 |
| 27) Bis(2-Chloroethoxy)met... | 10.339 | 93 | 542494 | 27.413 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.586 | 162 | 380225 | 29.262 | ng/ul | 98 |
| 30) Naphthalene | 10.992 | 128 | 1267064 | 28.584 | ng/ul | 99 |
| 32) 4-Chloroaniline | 11.098 | 127 | 354738 | 18.134 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 11.269 | 225 | 277593 | 35.446 | ng/ul | 94 |
| 34) Caprolactam | 11.892 | 113 | 16394m | 3.346 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 12.210 | 107 | 392003 | 26.718 | ng/ul | 99 |

Quantitation Report (QT Reviewed)

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Misc :
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**Instrument :**
BNA_P
**ClientSampleId :**
H0FQ2MSD

**Manual IntegrationsAPPROVED**

Reviewed By :Christian Giraldo 05/31/2023
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| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 36) | 2-Methylnaphthalene | 12.586 | 142 | 917401 | 30.716 | ng/ul | 100 |
| 37) | 1-Methylnaphthalene | 12.804 | 142 | 923120 | 30.777 | ng/ul | 98 |
| 39) | 1,2,4,5-Tetrachloroben... | 12.951 | 216 | 568854 | 33.196 | ng/ul | 98 |
| 40) | Hexachlorocyclopentadiene | 12.922 | 237 | 266801 | 24.030 | ng/ul | 96 |
| 41) | 2,4,6-Trichlorophenol | 13.192 | 196 | 388695 | 32.123 | ng/ul | 98 |
| 42) | 2,4,5-Trichlorophenol | 13.263 | 196 | 427476 | 32.582 | ng/ul | 99 |
| 43) | 1,1'-Biphenyl | 13.586 | 154 | 1320240 | 29.698 | ng/ul | 98 |
| 44) | 2-Chloronaphthalene | 13.633 | 162 | 1044351 | 30.082 | ng/ul | 100 |
| 45) | 2-Nitroaniline | 13.839 | 65 | 331745 | 33.397 | ng/ul | 93 |
| 47) | Dimethylphthalate | 14.204 | 163 | 1478588 | 32.791 | ng/ul | 99 |
| 48) | 2,6-Dinitrotoluene | 14.333 | 165 | 324893 | 36.369 | ng/ul | 94 |
| 50) | Acenaphthylene | 14.475 | 152 | 1662120 | 30.083 | ng/ul | 99 |
| 51) | 3-Nitroaniline | 14.663 | 138 | 254174 | 31.598 | ng/ul | 97 |
| 52) | Acenaphthene | 14.816 | 153 | 1141083 | 30.238 | ng/ul | 100 |
| 53) | 2,4-Dinitrophenol | 14.875 | 184 | 193875 | 32.687 | ng/ul | 95 |
| 55) | 4-Nitrophenol | 14.969 | 109 | 47561 | 7.691 | ng/ul# | 78 |
| 56) | Dibenzofuran | 15.151 | 168 | 1660862 | 31.643 | ng/ul | 98 |
| 57) | 2,4-Dinitrotoluene | 15.122 | 165 | 478059 | 36.983 | ng/ul | 100 |
| 58) | 2,3,4,6-Tetrachlorophenol | 15.374 | 232 | 418347 | 37.782 | ng/ul | 95 |
| 59) | Diethylphthalate | 15.557 | 149 | 1520919 | 33.819 | ng/ul | 100 |
| 61) | Fluorene | 15.798 | 166 | 1366800 | 32.403 | ng/ul | 100 |
| 62) | 4-Chlorophenyl-phenyle... | 15.786 | 204 | 721117 | 34.989 | ng/ul | 97 |
| 63) | 4-Nitroaniline | 15.827 | 138 | 292528 | 42.112 | ng/ul# | 86 |
| 66) | 4,6-Dinitro-2-methylph... | 15.886 | 198 | 297141 | 33.460 | ng/ul# | 94 |
| 67) | N-Nitrosodiphenylamine | 16.004 | 169 | 1168428 | 29.103 | ng/ul | 99 |
| 68) | 4-Bromophenyl-phenylether | 16.686 | 248 | 513937 | 36.544 | ng/ul | 97 |
| 69) | Hexachlorobenzene | 16.810 | 284 | 643054 | 38.692 | ng/ul# | 91 |
| 70) | Atrazine | 16.957 | 200 | 515648 | 34.749 | ng/ul | 99 |
| 71) | Pentachlorophenol | 17.157 | 266 | 375985 | 36.167 | ng/ul | 97 |
| 72) | Phenanthrene | 17.551 | 178 | 2329818 | 31.336 | ng/ul | 99 |
| 74) | Anthracene | 17.645 | 178 | 2339356 | 31.115 | ng/ul | 100 |
| 75) | 1,2,3,4-Tetrachloroben... | 13.557 | 216 | 597277 | 30.853 | ng/uL | 100 |
| 76) | Pentachlorobenzene | 15.069 | 250 | 651349 | 33.509 | ng/uL | 99 |
| 77) | Carbazole | 17.910 | 167 | 2156541 | 32.711 | ng/ul | 100 |
| 78) | Di-n-butylphthalate | 18.439 | 149 | 2720918 | 32.048 | ng/ul | 100 |
| 80) | Fluoranthene | 19.504 | 202 | 2973114 | 30.122 | ng/ul# | 94 |
| 82) | Pyrene | 19.857 | 202 | 3040292 | 29.829 | ng/ul# | 93 |
| 83) | Butylbenzylphthalate | 20.709 | 149 | 1304807 | 28.876 | ng/ul | 95 |
| 84) | 3,3'-Dichlorobenzidine | 21.492 | 252 | 949058 | 30.949 | ng/ul# | 97 |
| 85) | Benzo(a)anthracene | 21.568 | 228 | 3128717 | 32.408 | ng/ul | 99 |
| 86) | Bis(2-ethylhexyl)phtha... | 21.462 | 149 | 1889911 | 29.052 | ng/ul# | 99 |
| 87) | Chrysene | 21.627 | 228 | 2941518 | 31.873 | ng/ul | 98 |
| 89) | Di-n-octyl phthalate | 22.433 | 149 | 3280066 | 28.736 | ng/ul | 100 |
| 90) | Benzo(b)fluoranthene | 23.356 | 252 | 3387167 | 32.058 | ng/ul# | 97 |
| 91) | Benzo(k)fluoranthene | 23.409 | 252 | 3359160 | 33.110 | ng/ul# | 97 |
| 93) | Benzo(a)pyrene | 24.033 | 252 | 2944519 | 31.529 | ng/ul# | 97 |
| 94) | Indeno(1,2,3-cd)pyrene | 26.856 | 276 | 3693559 | 30.545 | ng/ul# | 92 |
| 95) | Dibenzo(a,h)anthracene | 26.874 | 278 | 3075374 | 30.982 | ng/ul# | 95 |
| 96) | Benzo(g,h,i)perylene | 27.691 | 276 | 2943537 | 29.851 | ng/ul# | 94 |

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

**Instrument :**
BNA_P
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H0FQ2MSD

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