Quantitation Report (Qedit)

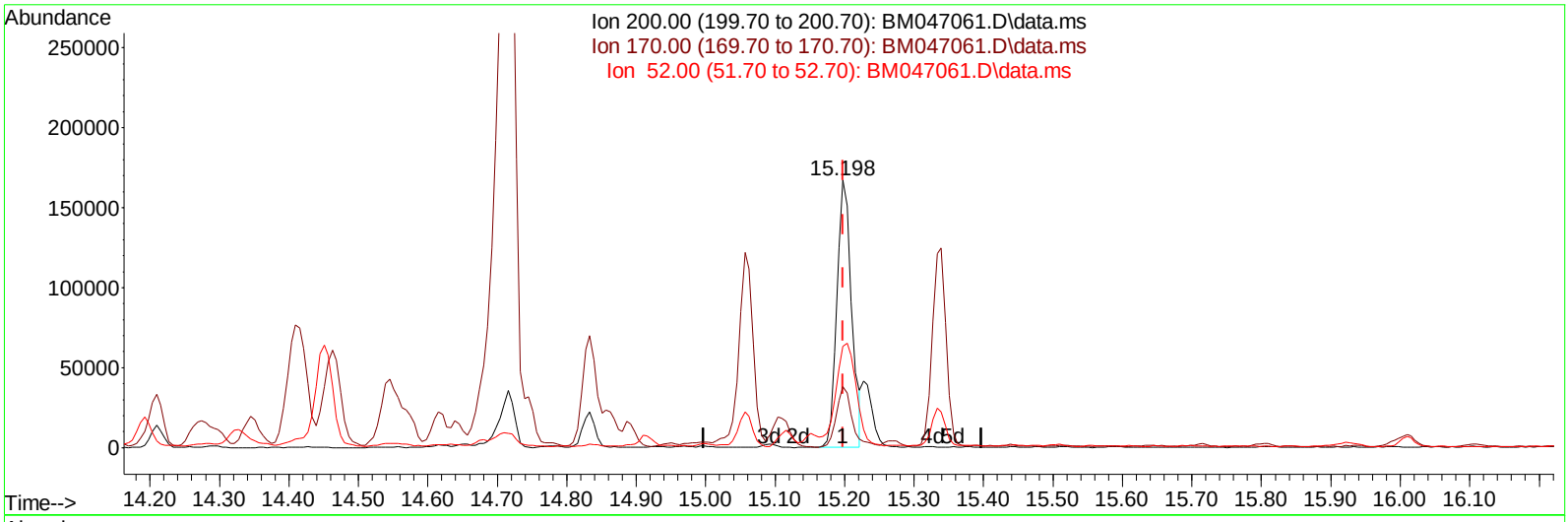
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM080624\
Data File : BM047061.D
Acq On : 07 Aug 2024 17:28
Operator : RC/JU
Sample : P3439-02MS
Misc :
ALS Vial : 37 Sample Multiplier: 1

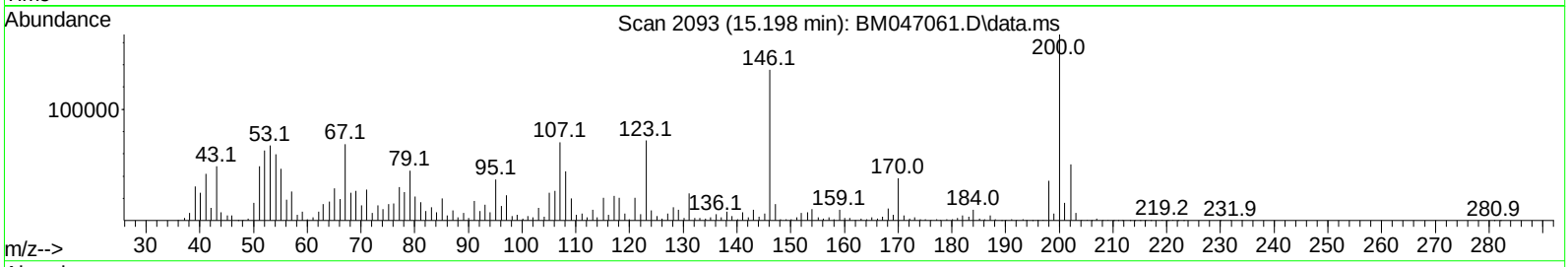
Quant Time: Aug 08 00:11:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM080224.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 07 04:48:25 2024
Response via : Initial Calibration

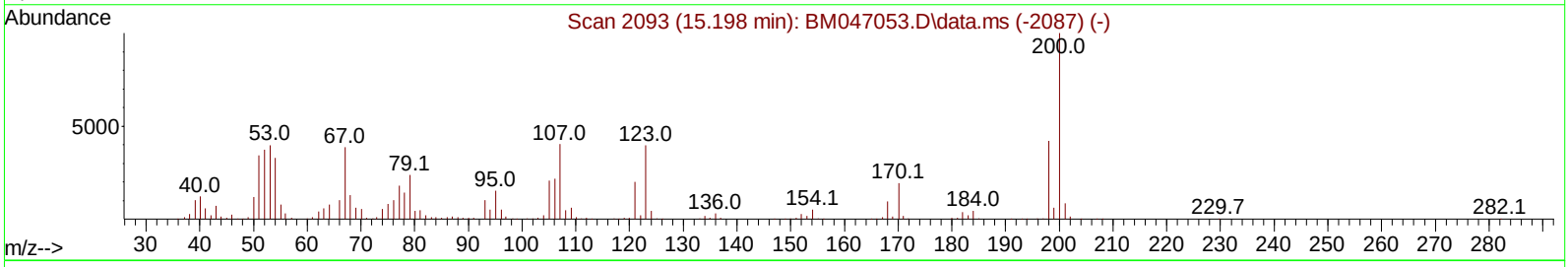
**Instrument :**
BNA_M
**ClientSampleId :**
DCVW9MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/30/2024




TIC: BM047061.D\data.ms

**(65) 4,6-Dinitro-2-methylphenol-d2 (S)**

**15.198min ( 0.000) 29.23 ng/ul**

**response 246260**

| Ion | Exp% | Act% |
|---|---|---|
| 200.00 | 100.00 | 100.00 |
| 170.00 | 22.70 | 22.80 |
| 52.00 | 43.50 | 37.84 |
| 0.00 | 0.00 | 0.00 |

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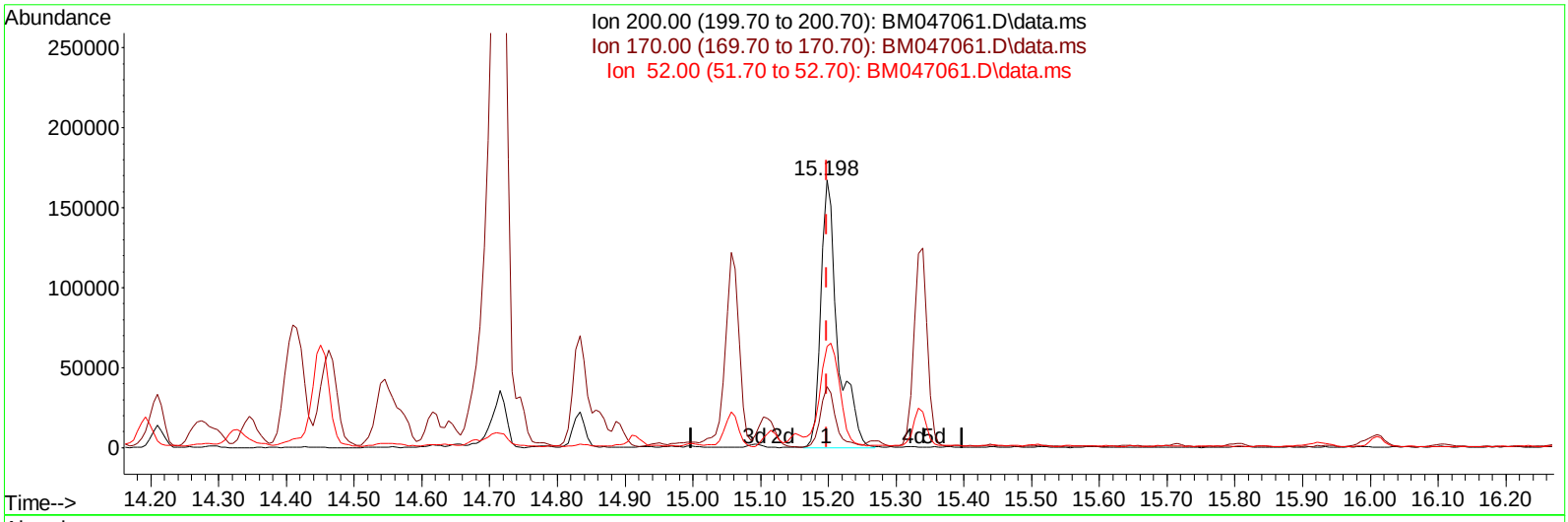


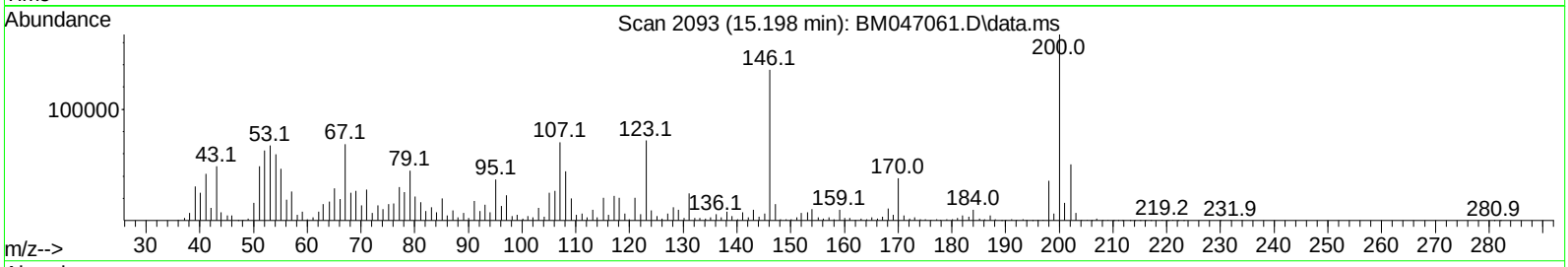


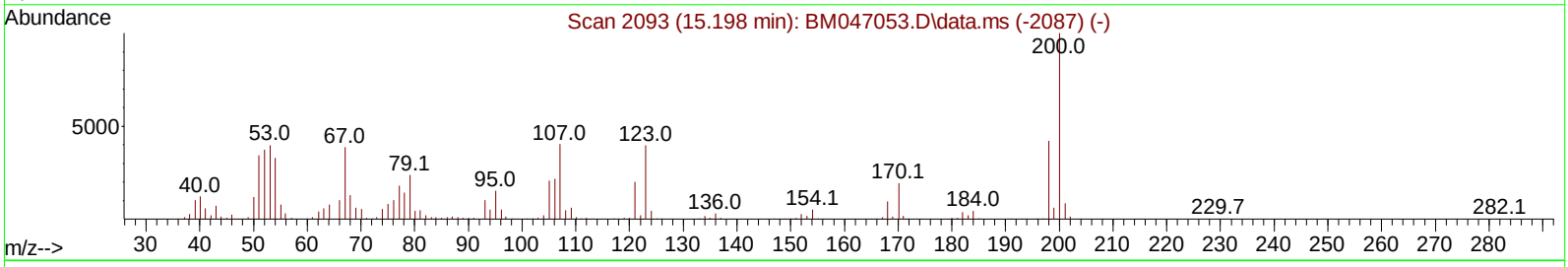


TIC: BM047061.D\data.ms

**(65) 4,6-Dinitro-2-methylphenol-d2 (S)**

**15.198min ( 0.000) 34.56 ng/ul m**

**response 291165**

| Ion | Exp% | Act% |
|---|---|---|
| 200.00 | 100.00 | 100.00 |
| 170.00 | 22.70 | 22.80 |
| 52.00 | 43.50 | 37.84 |
| 0.00 | 0.00 | 0.00 |

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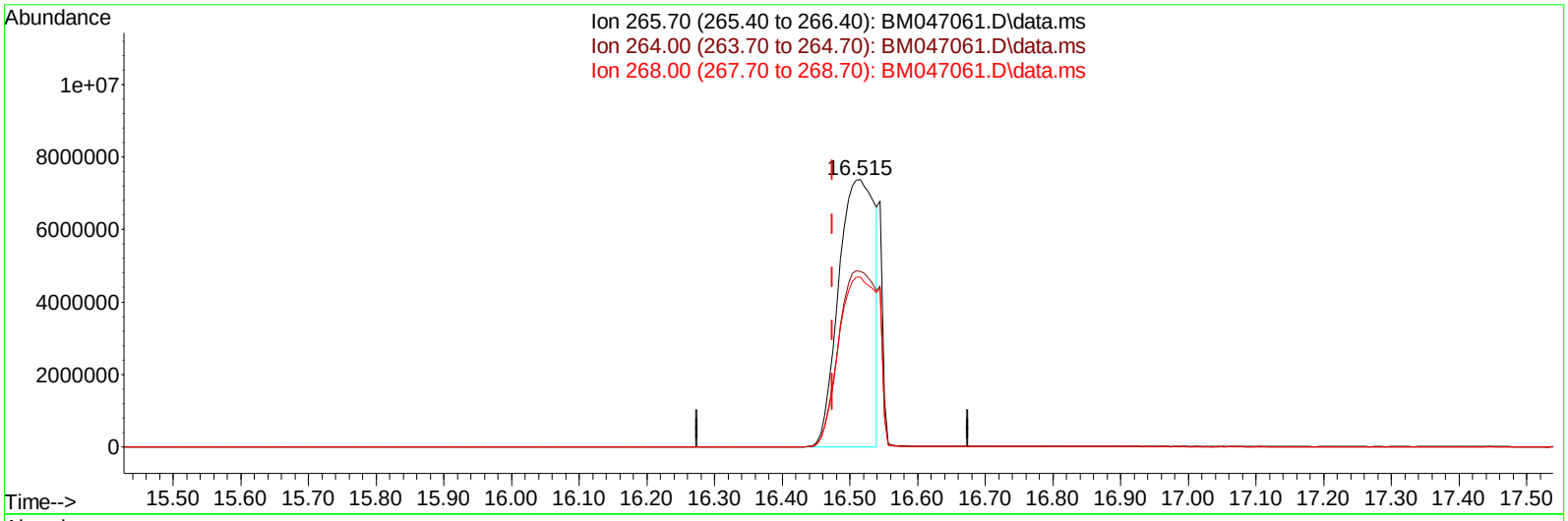


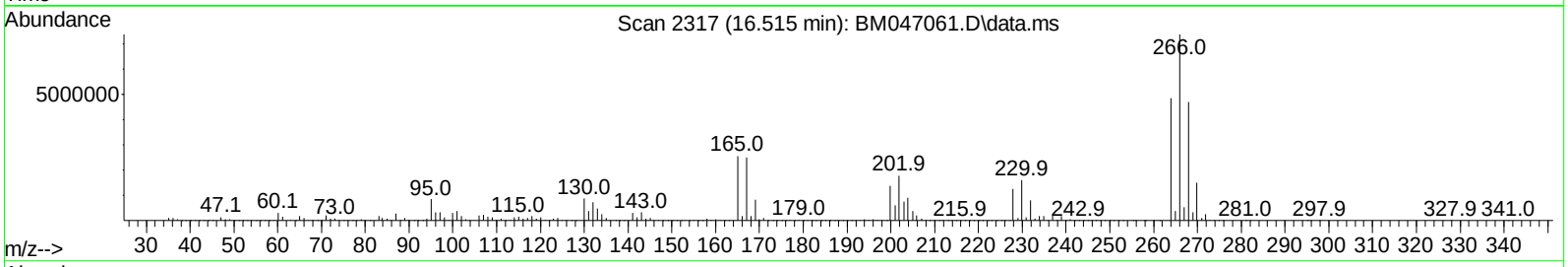


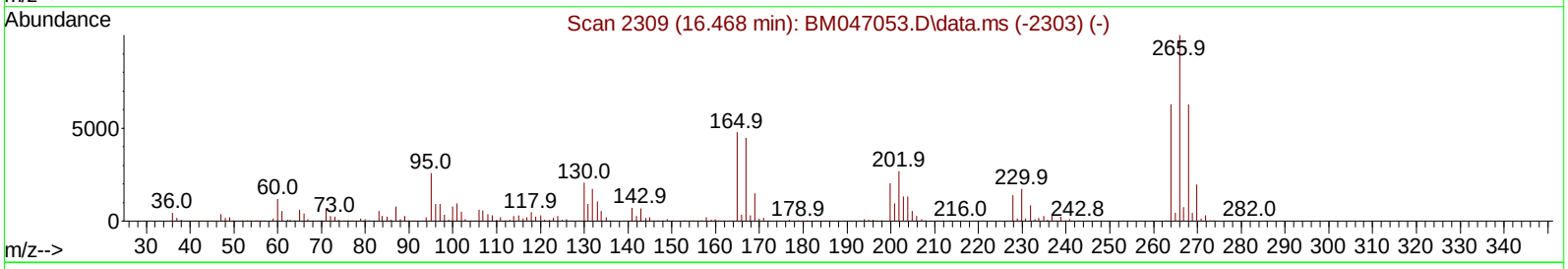


TIC: BM047061.D\data.ms

**(71) Pentachlorophenol (C)**

**16.515min (+ 0.041) 2366.83 ng/ul**

**response 27237954**

| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 264.00 | 63.40 | 65.78 |
| 268.00 | 66.30 | 63.57 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
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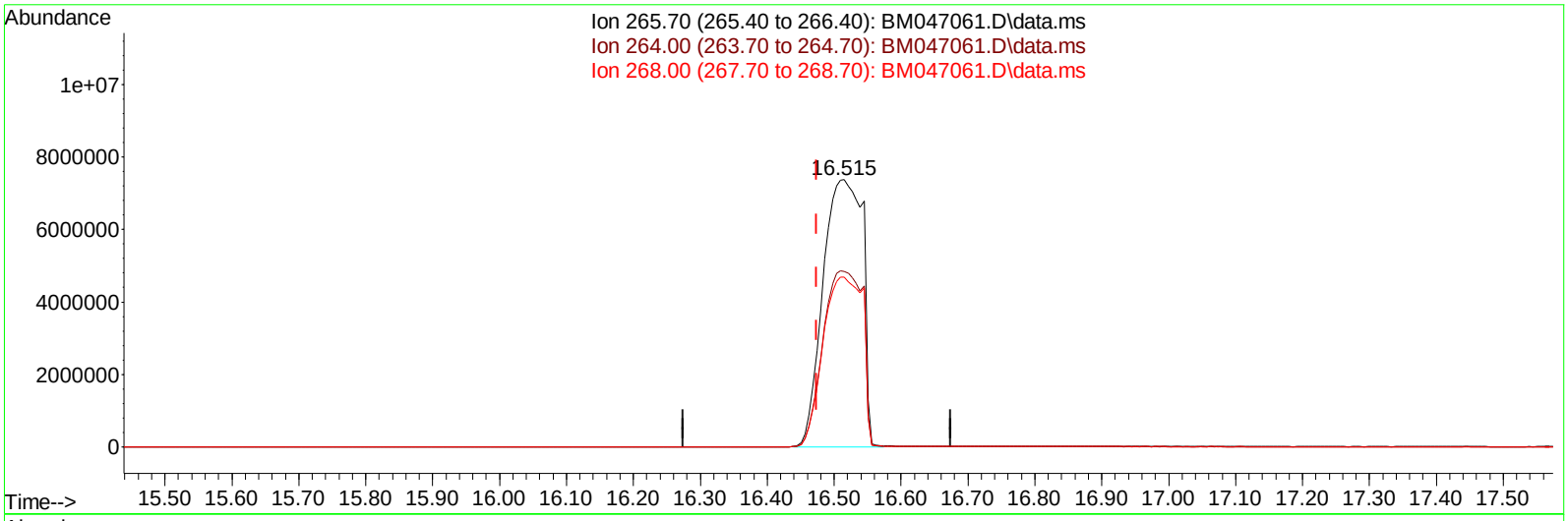
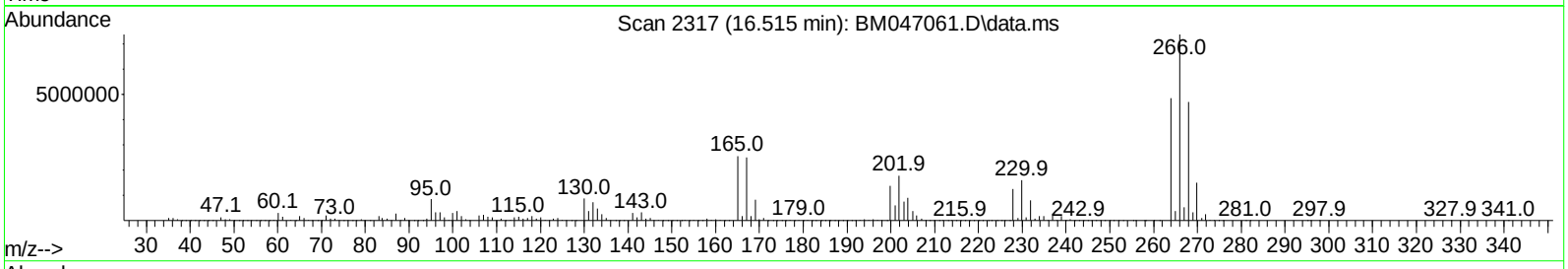
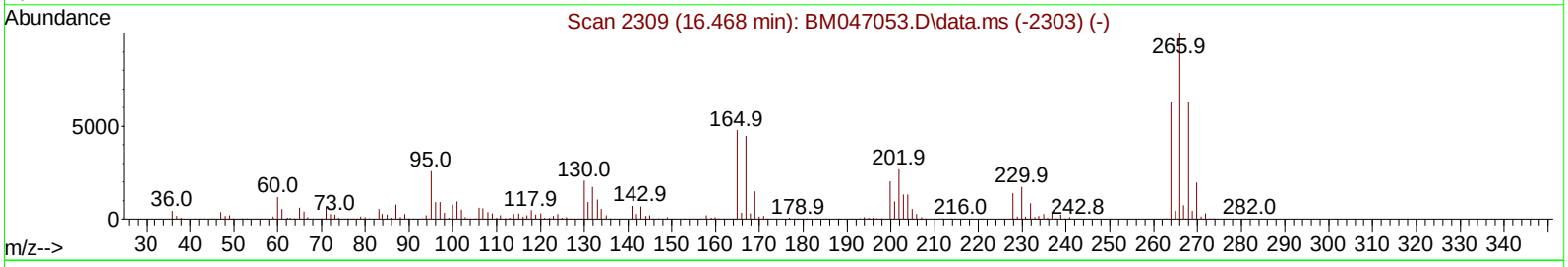
DCVW9MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/30/2024




TIC: BM047061.D\data.ms

**(71) Pentachlorophenol (C)**

**16.515min (+ 0.041) 2620.92 ng/ul m**

**response 30162049**

| Ion | Exp% | Act% |
|---|---|---|
| 265.70 | 100.00 | 100.00 |
| 264.00 | 63.40 | 65.78 |
| 268.00 | 66.30 | 63.57 |
| 0.00 | 0.00 | 0.00 |

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Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
DCVW9MS

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/08/2024
Supervised By :mohammad ahmed 08/30/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.392 | 152 | 280115 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.151 | 136 | 1035047 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.051 | 164 | 670308 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 16.821 | 188 | 1333673 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.044 | 240 | 1218593 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.750 | 264 | 1399169 | 20.000 | ng/ul | -0.01 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.016 | 96 | 28761 | 4.068 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.410 | 84 | 178559 | 9.258 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.622 | 99 | 205435 | 9.654 | ng/ul | 0.02 |
| 9) Bis-(2-Chloroethyl)eth... | 6.751 | 67 | 422007 | 30.141 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 6.945 | 132 | 485379 | 26.928 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.134 | 113 | 345643 | 20.505 | ng/ul | 0.01 |
| 21) Nitrobenzene-d5 | 8.545 | 128 | 266144 | 32.044 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.257 | 143 | 287229 | 31.667 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 9.804 | 165 | 567712 | 32.600 | ng/ul | 0.01 |
| 31) 4-Chloroaniline-d4 | 10.275 | 131 | 103007 | 4.501 | ng/ul | -0.03 |
| 46) Dimethylphthalate-d6 | 13.486 | 166 | 1550002 | 30.242 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 13.739 | 160 | 1820358 | 31.819 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.321 | 143 | 104231 | 10.518 | ng/ul | 0.02 |
| 60) Fluorene-d10 | 15.057 | 176 | 1343622 | 30.646 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.198 | 200 | 291165m | 34.555 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 16.921 | 188 | 1993823 | 31.536 | ng/ul | 0.01 |
| 81) Pyrene-d10 | 19.221 | 212 | 2485959 | 35.637 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.568 | 264 | 2372592 | 32.203 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.052 | 88 | 38091 | 4.842 | ng/uL | 91 |
| 5) Pyridine | 3.428 | 79 | 195257 | 10.226 | ng/ul | 92 |
| 6) Benzaldehyde | 6.557 | 77 | 539728 | 44.159 | ng/ul# | 9 |
| 8) Phenol | 6.645 | 94 | 267914 | 12.502 | ng/ul# | 80 |
| 10) Bis(2-Chloroethyl)ether | 6.845 | 93 | 479789 | 26.268 | ng/ul | 97 |
| 12) 2-Chlorophenol | 6.981 | 128 | 501568 | 27.466 | ng/ul | 96 |
| 13) 2-Methylphenol | 7.869 | 108 | 370943 | 22.723 | ng/ul | 94 |
| 14) 2,2'-oxybis(1-Chloropr... | 7.922 | 45 | 610089 | 27.874 | ng/ul | 94 |
| 16) Acetophenone | 8.216 | 105 | 632182 | 23.827 | ng/ul | 97 |
| 17) N-Nitroso-di-n-propyla... | 8.204 | 70 | 407951 | 29.158 | ng/ul# | 97 |
| 18) 4-Methylphenol | 8.192 | 108 | 362769 | 20.568 | ng/ul | 97 |
| 19) Hexachloroethane | 8.451 | 117 | 216465 | 24.335 | ng/ul | 85 |
| 22) Nitrobenzene | 8.586 | 77 | 642054 | 28.934 | ng/ul | 93 |
| 23) Isophorone | 9.116 | 82 | 1889810 | 49.772 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.286 | 139 | 299011 | 30.136 | ng/ul | 95 |
| 26) 2,4-Dimethylphenol | 9.381 | 107 | 372395 | 19.041 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 9.598 | 93 | 697792 | 29.812 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 9.828 | 162 | 609955 | 35.119 | ng/ul | 97 |
| 30) Naphthalene | 10.204 | 128 | 3268358 | 59.640 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.357 | 127 | 95064 | 4.277 | ng/ul | 90 |
| 33) Hexachlorobutadiene | 10.492 | 225 | 314602 | 25.107 | ng/ul | 99 |
| 35) 4-Chloro-3-methylphenol | 11.492 | 107 | 576884 | 32.211 | ng/ul | 99 |
| 36) 2-Methylnaphthalene | 11.827 | 142 | 2462082 | 64.342 | ng/ul | 99 |

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**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 08/08/2024
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 37) 1-Methylnaphthalene | 12.057 | 142 | 1994271 | 51.483 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.210 | 216 | 648715 | 30.859 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.186 | 237 | 281911 | 20.357 | ng/ul# | 95 |
| 41) 2,4,6-Trichlorophenol | 12.480 | 196 | 526090 | 38.234 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 12.557 | 196 | 568725 | 38.281 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 12.874 | 154 | 1641952 | 32.742 | ng/ul | 97 |
| 44) 2-Chloronaphthalene | 12.910 | 162 | 1201959 | 30.182 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.139 | 65 | 385437 | 31.849 | ng/ul | 96 |
| 47) Dimethylphthalate | 13.533 | 163 | 1804810 | 35.093 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 13.651 | 165 | 335915 | 33.599 | ng/ul# | 85 |
| 50) Acenaphthylene | 13.769 | 152 | 1893434 | 31.338 | ng/ul | 98 |
| 51) 3-Nitroaniline | 13.986 | 138 | 75071 | 7.373 | ng/ul | 95 |
| 52) Acenaphthene | 14.116 | 153 | 1353066 | 31.063 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.192 | 184 | 183470 | 26.009 | ng/ul | 89 |
| 55) 4-Nitrophenol | 14.333 | 109 | 113606 | 11.327 | ng/ul | 92 |
| 56) Dibenzofuran | 14.457 | 168 | 1768191 | 28.924 | ng/ul | 93 |
| 57) 2,4-Dinitrotoluene | 14.445 | 165 | 457161 | 29.923 | ng/ul | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.716 | 232 | 8084541 | 612.136 | ng/ul# | 78 |
| 59) Diethylphthalate | 14.915 | 149 | 1554981 | 28.106 | ng/ul | 97 |
| 61) Fluorene | 15.115 | 166 | 1577573 | 31.287 | ng/ul | 97 |
| 62) 4-Chlorophenyl-phenyle... | 15.115 | 204 | 730162 | 29.415 | ng/ul | 94 |
| 63) 4-Nitroaniline | 15.151 | 138 | 93113 | 9.254 | ng/ul | 84 |
| 66) 4,6-Dinitro-2-methylph... | 15.215 | 198 | 411573 | 44.640 | ng/ul# | 89 |
| 67) N-Nitrosodiphenylamine | 15.339 | 169 | 1300901 | 32.909 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.010 | 248 | 495090 | 34.297 | ng/ul | 93 |
| 69) Hexachlorobenzene | 16.115 | 284 | 572473 | 33.679 | ng/ul | 98 |
| 70) Atrazine | 16.351 | 200 | 386989 | 24.951 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.515 | 266 | 30162049m | 2620.922 | ng/ul | |
| 72) Phenanthrene | 16.862 | 178 | 2469723 | 33.035 | ng/ul | 99 |
| 74) Anthracene | 16.957 | 178 | 2323877 | 30.823 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 12.833 | 216 | 603039 | 31.427 | ng/uL | 96 |
| 76) Pentachlorobenzene | 14.374 | 250 | 623790 | 31.405 | ng/uL | 98 |
| 77) Carbazole | 17.227 | 167 | 2235012 | 31.977 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 17.809 | 149 | 2939708 | 33.075 | ng/ul | 98 |
| 80) Fluoranthene | 18.886 | 202 | 2956292 | 35.461 | ng/ul | 100 |
| 82) Pyrene | 19.250 | 202 | 3007031 | 33.851 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.186 | 149 | 1404338 | 36.170 | ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 20.980 | 252 | 31937 | 1.069 | ng/ul# | 94 |
| 85) Benzo(a)anthracene | 21.027 | 228 | 2855494 | 32.085 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 20.986 | 149 | 2010070 | 35.463 | ng/ul | 98 |
| 87) Chrysene | 21.086 | 228 | 2660579 | 31.344 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.027 | 149 | 3446542 | 34.917 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 22.903 | 252 | 2887792 | 33.366 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 22.962 | 252 | 2798206 | 32.717 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.627 | 252 | 2421999 | 30.038 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 26.756 | 276 | 3325204 | 32.188 | ng/ul | 100 |
| 95) Dibenzo(a,h)anthracene | 26.815 | 278 | 2681035 | 32.310 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 27.691 | 276 | 2615635 | 32.046 | ng/ul | 98 |

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

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