Quantitation Report (Qedit)

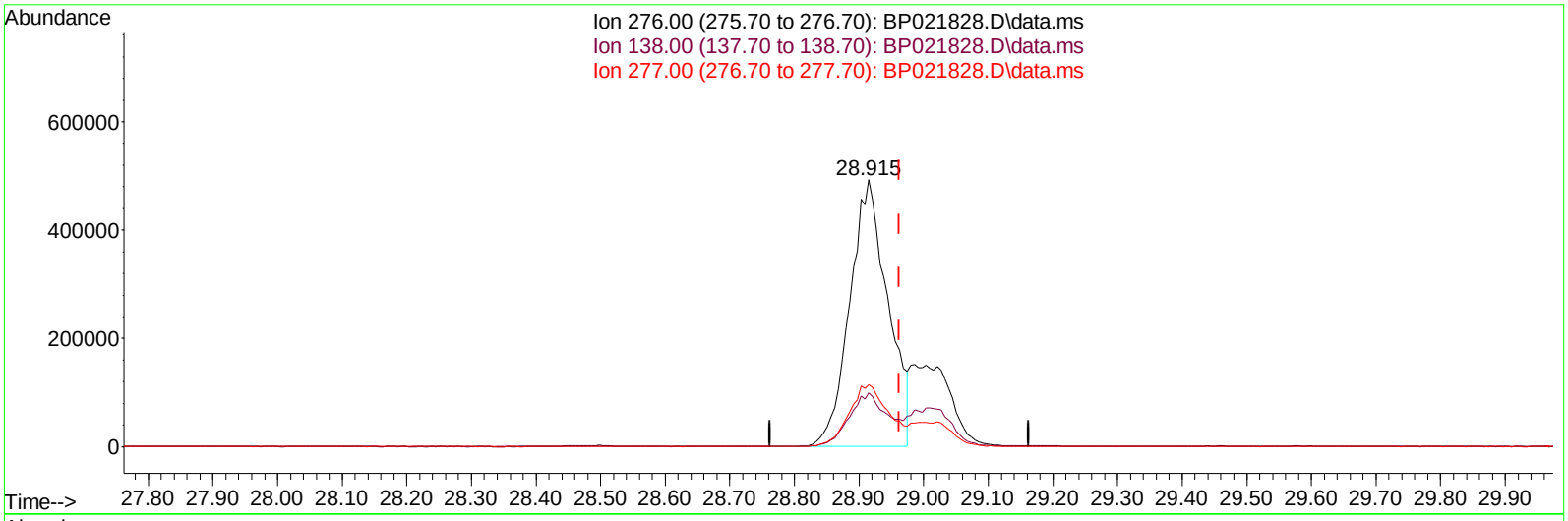
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090424\
Data File : BP021828.D
Acq On : 04 Sep 2024 22:48
Operator : RC/JU
Sample : P3438-07MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

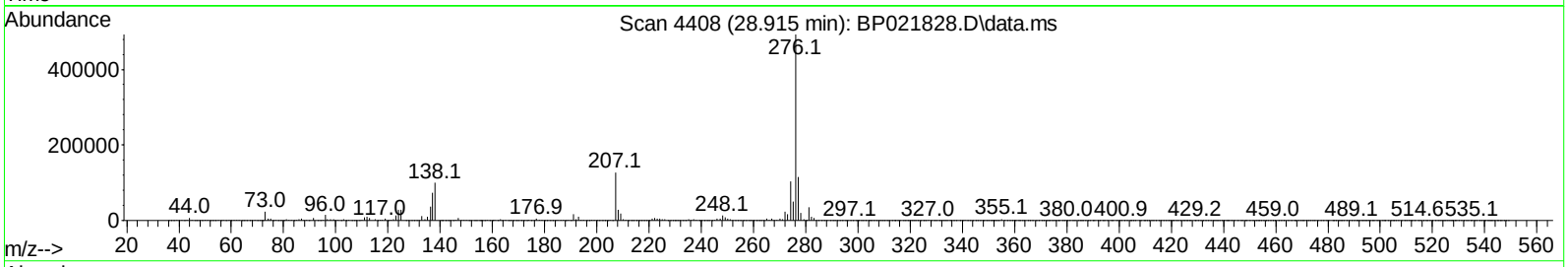
Quant Time: Sep 05 06:01:20 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP082324.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 05 05:03:57 2024
Response via : Initial Calibration

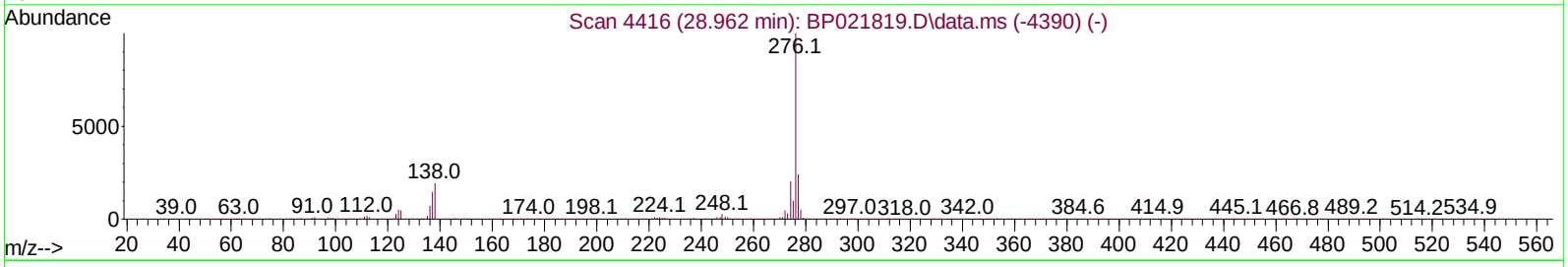
**Instrument :**
BNA_P
**ClientSampleId :**
DCYL4MS

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/05/2024
Supervised By :mohammad ahmed 09/07/2024




TIC: BP021828.D\data.ms

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

**28.915min (-0.047) 11.40 ng/ul**

**response 2023876**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 18.60 | 20.24 |
| 277.00 | 23.80 | 23.28 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
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**Manual IntegrationsAPPROVED**

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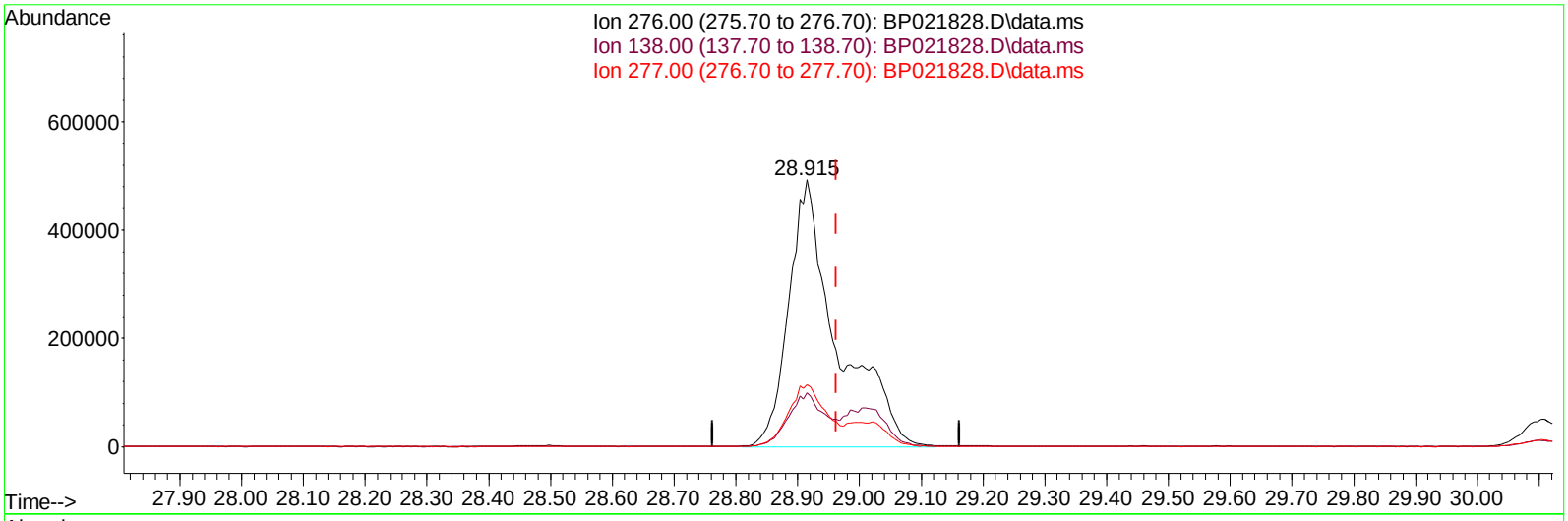


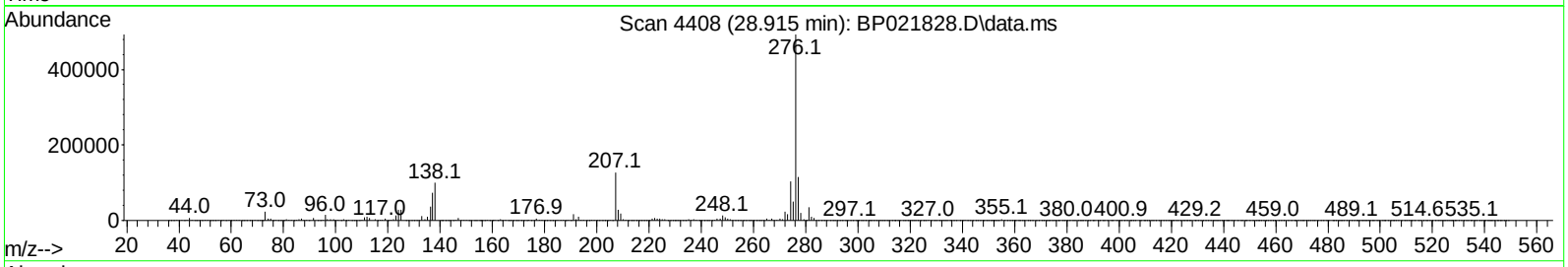


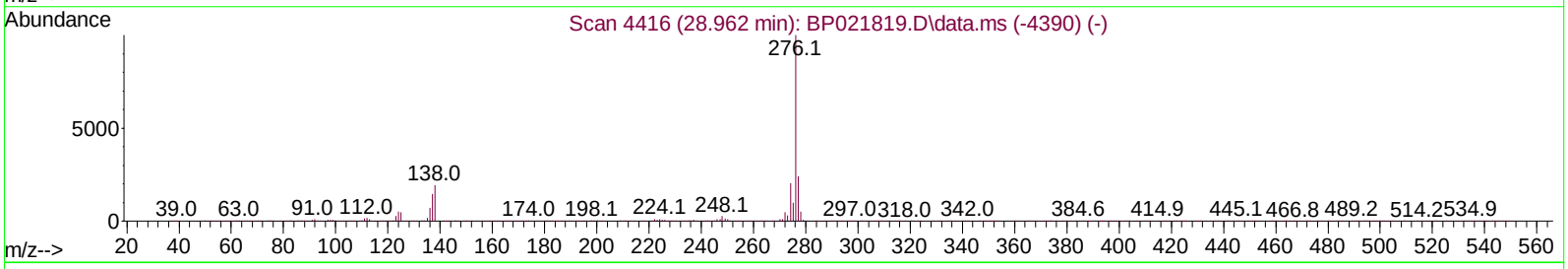


TIC: BP021828.D\data.ms

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

**28.915min (-0.047) 15.13 ng/ul m**

**response 2685894**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 18.60 | 20.24 |
| 277.00 | 23.80 | 23.28 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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**Manual IntegrationsAPPROVED**

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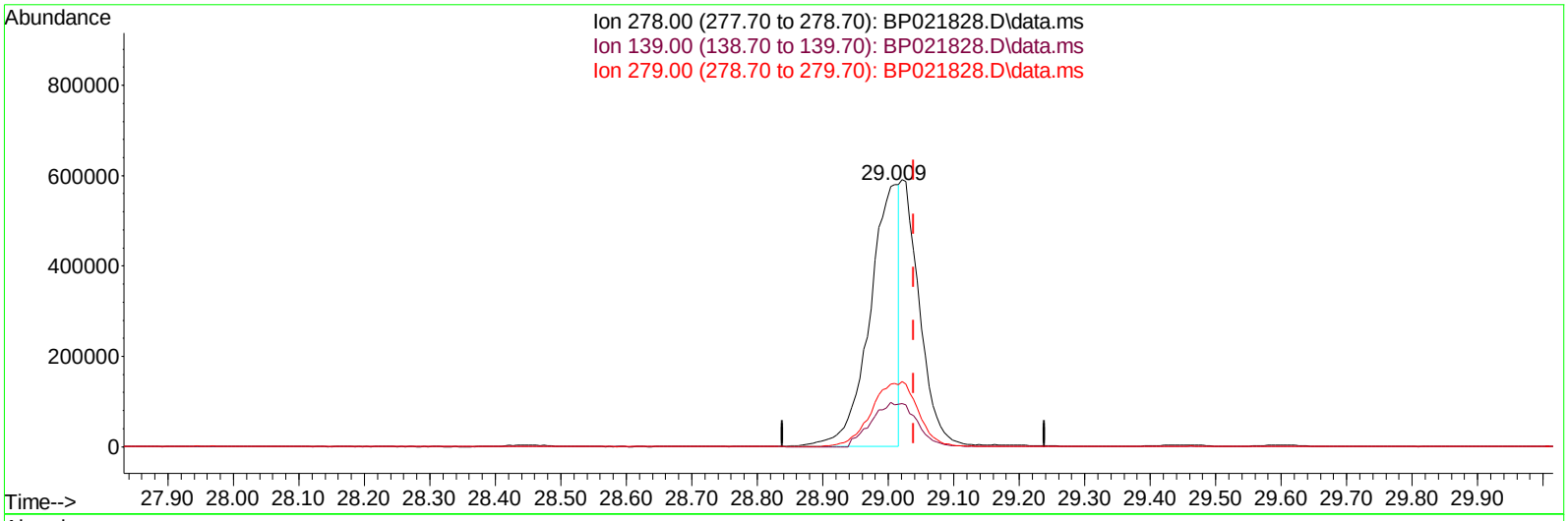


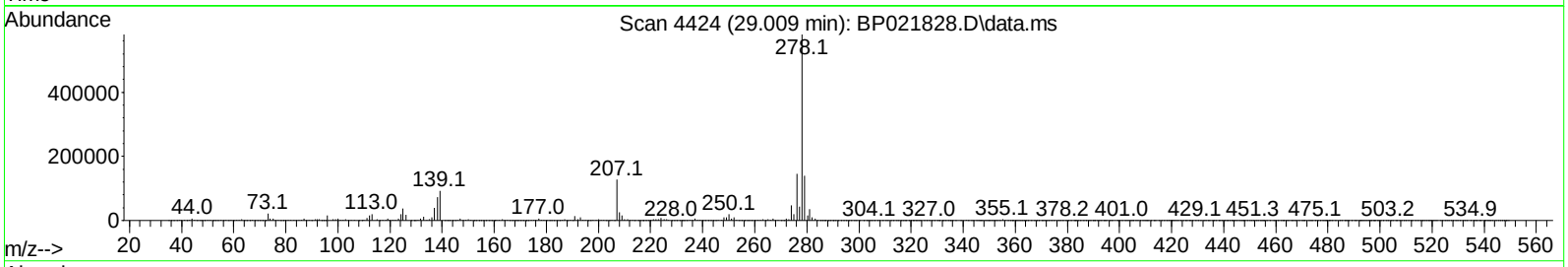


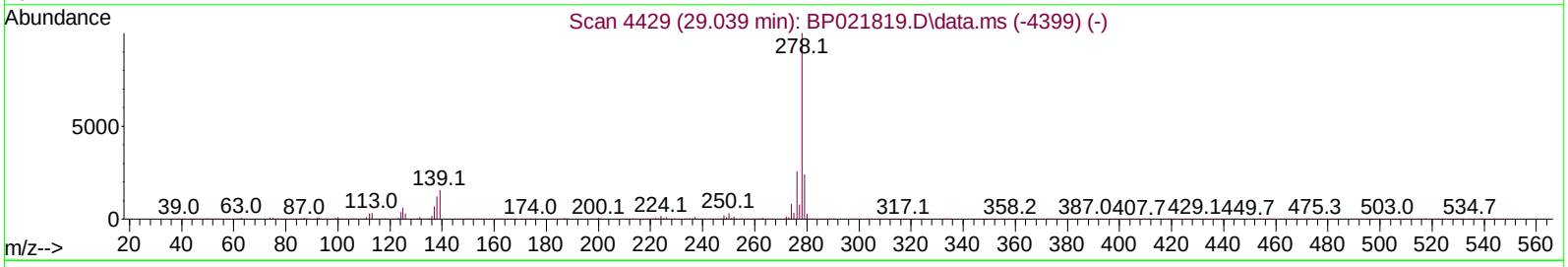


TIC: BP021828.D\data.ms

**(95) Dibenzo(a,h)anthracene**

**29.009min (-0.030) 12.48 ng/ul**

**response 1779668**

| Ion | Exp% | Act% |
|---|---|---|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 15.90 | 15.88 |
| 279.00 | 23.60 | 24.07 |
| 0.00 | 0.00 | 0.00 |

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Sample : P3438-07MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

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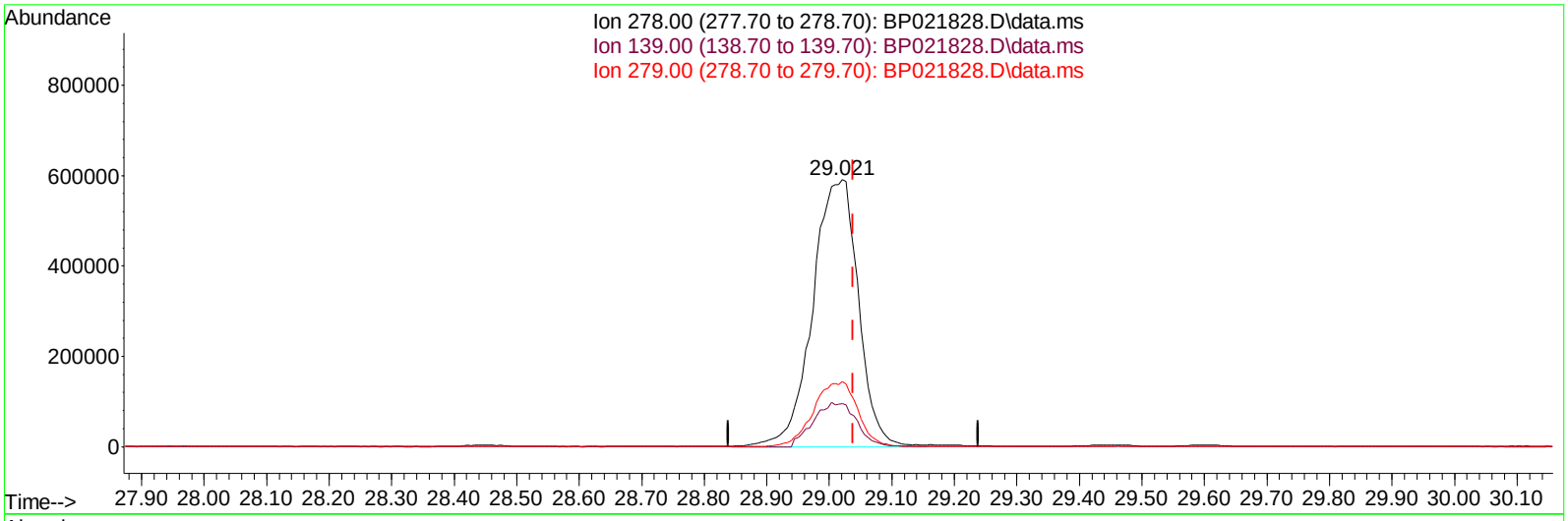
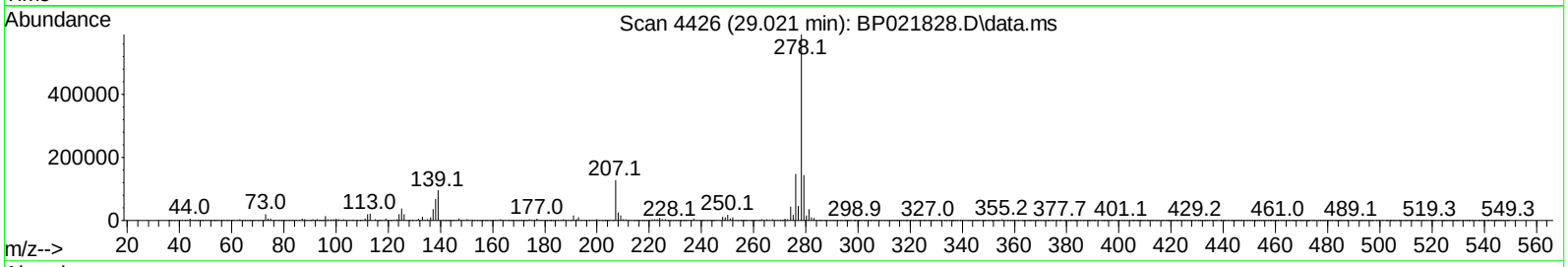
Response via : Initial Calibration

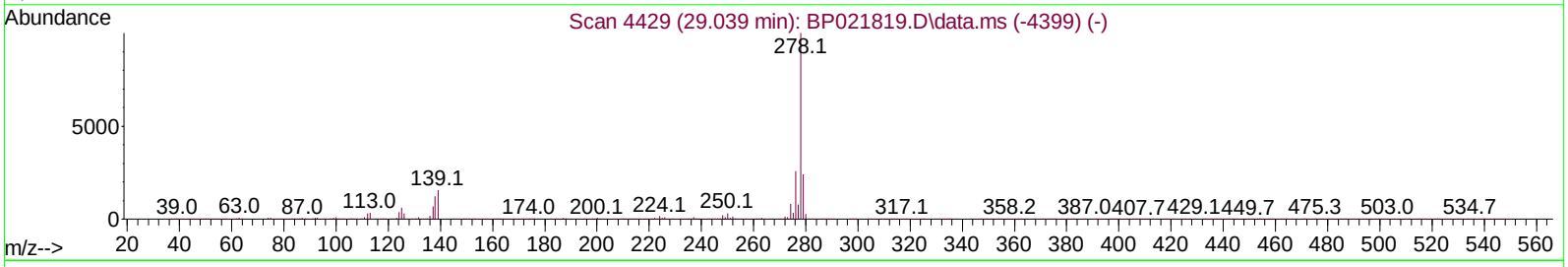
**Instrument :**
BNA_P
**ClientSampleId :**
DCYL4MS

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/05/2024
Supervised By :mohammad ahmed 09/07/2024




TIC: BP021828.D\data.ms

**(95) Dibenzo(a,h)anthracene**

**29.021min (-0.018) 20.94 ng/ul m**

**response 2987396**

| Ion | Exp% | Act% |
|---|---|---|
| 278.00 | 100.00 | 100.00 |
| 139.00 | 15.90 | 16.12 |
| 279.00 | 23.60 | 24.52 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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Operator : RC/JU
Sample : P3438-07MS
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Sep 05 06:03:26 2024
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 05 05:03:57 2024
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
DCYL4MS

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 09/05/2024
Supervised By :mohammad ahmed 09/07/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.775 | 152 | 312074 | 20.000 | ng/ul | 0.01 |
| 20) Naphthalene-d8 | 10.557 | 136 | 1335624 | 20.000 | ng/ul | 0.01 |
| 38) Acenaphthene-d10 | 14.410 | 164 | 896591 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.210 | 188 | 2021266 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.668 | 240 | 2085459 | 20.000 | ng/ul | -0.01 |
| 88) Perylene-d12 | 25.062 | 264 | 2388323 | 20.000 | ng/ul | -0.03 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.269 | 96 | 24173 | 2.572 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.687 | 84 | 128357 | 4.721 | ng/ul | 0.01 |
| 7) Phenol-d5 | 6.946 | 99 | 495701 | 14.884 | ng/ul | 0.01 |
| 9) Bis-(2-Chloroethyl)eth... | 7.105 | 67 | 270348 | 14.916 | ng/ul | 0.01 |
| 11) 2-Chlorophenol-d4 | 7.310 | 132 | 326704 | 15.194 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.475 | 113 | 373559 | 14.515 | ng/ul | 0.01 |
| 21) Nitrobenzene-d5 | 8.922 | 128 | 162451 | 15.118 | ng/ul | 0.01 |
| 24) 2-Nitrophenol-d4 | 9.640 | 143 | 166213 | 15.238 | ng/ul | 0.01 |
| 28) 2,4-Dichlorophenol-d3 | 10.181 | 165 | 332731 | 15.480 | ng/ul | 0.01 |
| 31) 4-Chloroaniline-d4 | 10.687 | 131 | 443231 | 14.174 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.816 | 166 | 1144130 | 16.677 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.098 | 160 | 1207415 | 15.676 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.622 | 143 | 230879 | 17.689 | ng/ul | 0.01 |
| 60) Fluorene-d10 | 15.416 | 176 | 953293 | 16.528 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.539 | 200 | 178618 | 16.067 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.316 | 188 | 1606926 | 16.752 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.686 | 212 | 1832214 | 15.369 | ng/ul | -0.01 |
| 92) Benzo(a)pyrene-d12 | 24.833 | 264 | 1480851 | 11.628 | ng/ul | -0.02 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.305 | 88 | 67117 | 6.718 | ng/uL | 93 |
| 5) Pyridine | 3.705 | 79 | 141008 | 5.190 | ng/ul | 97 |
| 6) Benzaldehyde | 6.916 | 77 | 361425 | 21.217 | ng/ul | 100 |
| 8) Phenol | 6.969 | 94 | 639113 | 18.404 | ng/ul | 98 |
| 10) Bis(2-Chloroethyl)ether | 7.199 | 93 | 481947 | 17.854 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.346 | 128 | 423103 | 18.748 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.210 | 108 | 430715 | 17.193 | ng/ul | 97 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.287 | 45 | 471386 | 18.093 | ng/ul | 99 |
| 16) Acetophenone | 8.587 | 105 | 842835 | 20.428 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.569 | 70 | 354439 | 18.204 | ng/ul | 98 |
| 18) 4-Methylphenol | 8.534 | 108 | 484503 | 17.665 | ng/ul | 98 |
| 19) Hexachloroethane | 8.846 | 117 | 141065 | 13.979 | ng/ul | 94 |
| 22) Nitrobenzene | 8.963 | 77 | 550928 | 18.387 | ng/ul | 100 |
| 23) Isophorone | 9.487 | 82 | 1052828 | 17.510 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.669 | 139 | 229523 | 18.992 | ng/ul | 96 |
| 26) 2,4-Dimethylphenol | 9.734 | 107 | 317873 | 10.717 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 9.963 | 93 | 668335 | 17.724 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.204 | 162 | 397763 | 18.416 | ng/ul | 97 |
| 30) Naphthalene | 10.604 | 128 | 1352948 | 17.973 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.710 | 127 | 515217 | 16.319 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 10.898 | 225 | 254125 | 17.535 | ng/ul | 98 |
| 34) Caprolactam | 11.493 | 113 | 192229 | 21.046 | ng/ul | 97 |
| 35) 4-Chloro-3-methylphenol | 11.845 | 107 | 546493 | 19.117 | ng/ul | 100 |

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**Manual IntegrationsAPPROVED**

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.216 | 142 | 935971 | 18.383 | ng/ul | 100 |
| 37) 1-Methylnaphthalene | 12.440 | 142 | 933213 | 18.223 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.592 | 216 | 484640 | 17.150 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.575 | 237 | 195598 | 12.063 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 12.834 | 196 | 334703 | 18.396 | ng/ul | 99 |
| 42) 2,4,5-Trichlorophenol | 12.904 | 196 | 372566 | 18.964 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.234 | 154 | 1430443 | 21.087 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.275 | 162 | 946792 | 17.801 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.481 | 65 | 345497 | 20.736 | ng/ul | 95 |
| 47) Dimethylphthalate | 13.863 | 163 | 1325585 | 19.297 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 13.975 | 165 | 262165 | 20.693 | ng/ul | 97 |
| 50) Acenaphthylene | 14.128 | 152 | 1539731 | 18.587 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.310 | 138 | 285969 | 20.656 | ng/ul | 97 |
| 52) Acenaphthene | 14.481 | 153 | 1616969 | 27.756 | ng/ul | 100 |
| 53) 2,4-Dinitrophenol | 14.522 | 184 | 137868 | 18.177 | ng/ul | 90 |
| 55) 4-Nitrophenol | 14.634 | 109 | 306150 | 25.617 | ng/ul | 90 |
| 56) Dibenzofuran | 14.816 | 168 | 2458296 | 30.502 | ng/ul | 96 |
| 57) 2,4-Dinitrotoluene | 14.781 | 165 | 427102 | 22.434 | ng/ul# | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.045 | 232 | 329117 | 19.444 | ng/ul | 93 |
| 59) Diethylphthalate | 15.251 | 149 | 1429647 | 20.725 | ng/ul | 99 |
| 61) Fluorene | 15.481 | 166 | 1919405 | 29.444 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.469 | 204 | 624289 | 19.059 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.486 | 138 | 324902 | 24.282 | ng/ul | 95 |
| 66) 4,6-Dinitro-2-methylph... | 15.551 | 198 | 248300 | 19.967 | ng/ul | 96 |
| 67) N-Nitrosodiphenylamine | 15.686 | 169 | 1132622 | 19.048 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.381 | 248 | 413436 | 18.528 | ng/ul | 95 |
| 69) Hexachlorobenzene | 16.498 | 284 | 381099 | 14.386 | ng/ul | 95 |
| 70) Atrazine | 16.663 | 200 | 465991 | 20.660 | ng/ul | 97 |
| 71) Pentachlorophenol | 16.857 | 266 | 276013 | 16.281 | ng/ul | 98 |
| 72) Phenanthrene | 17.257 | 178 | 2525950 | 22.763 | ng/ul | 99 |
| 74) Anthracene | 17.345 | 178 | 2543554 | 22.625 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.198 | 216 | 474901 | 15.803 | ng/uL | 97 |
| 76) Pentachlorobenzene | 14.739 | 250 | 467545 | 15.011 | ng/uL | 100 |
| 77) Carbazole | 17.628 | 167 | 2021966 | 19.997 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.216 | 149 | 2819886 | 22.912 | ng/ul | 100 |
| 80) Fluoranthene | 19.345 | 202 | 7581627 | 54.499 | ng/ul | 98 |
| 82) Pyrene | 19.716 | 202 | 4890827 | 33.195 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.669 | 149 | 1373864 | 22.774 | ng/ul | 100 |
| 84) 3,3'-Dichlorobenzidine | 21.563 | 252 | 861984 | 16.401 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.645 | 228 | 4095700 | 27.609 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.592 | 149 | 2020613 | 22.694 | ng/ul | 99 |
| 87) Chrysene | 21.716 | 228 | 3425185 | 24.533 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.892 | 149 | 3404584 | 22.520 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.992 | 252 | 3706890 | 24.805 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 24.068 | 252 | 3385233 | 23.139 | ng/ul | 100 |
| 93) Benzo(a)pyrene | 24.909 | 252 | 1683127 | 12.225 | ng/ul | 100 |
| 94) Indeno(1,2,3-cd)pyrene | 28.915 | 276 | 2685894m | 15.130 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 29.021 | 278 | 2987396m | 20.942 | ng/ul | |
| 96) Benzo(g,h,i)perylene | 30.109 | 276 | 231996 | 1.691 | ng/ul | 98 |

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

**Instrument :**
BNA_P
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DCYL4MS

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