Quantitation Report (Qedit)

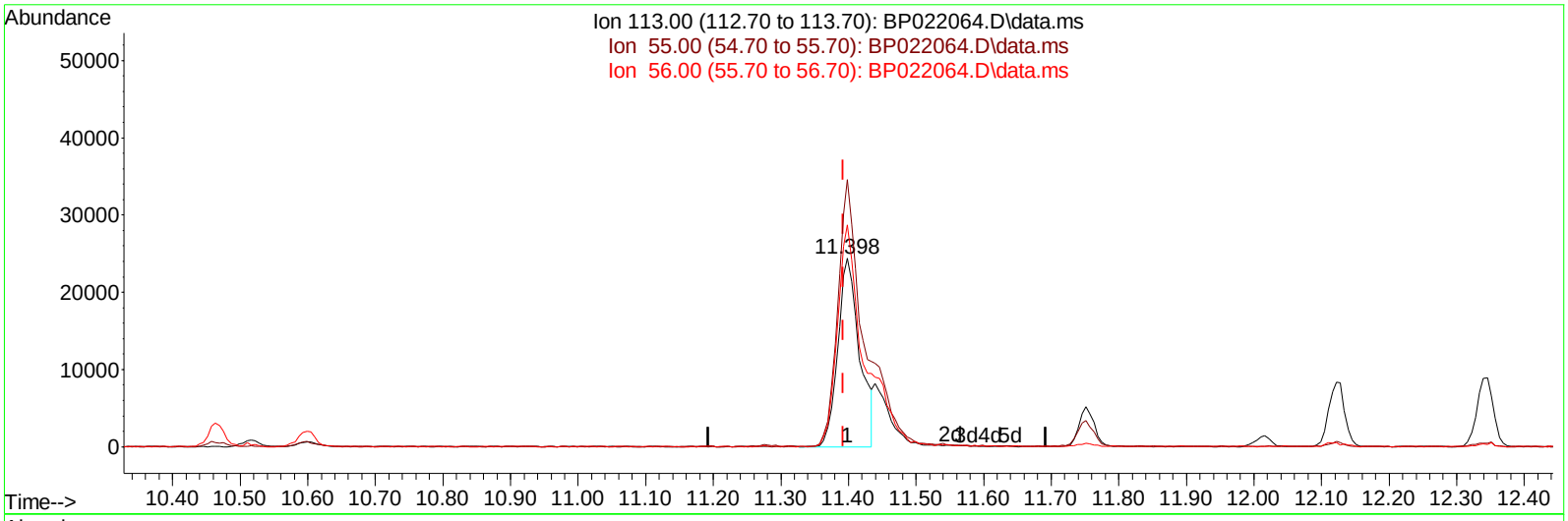
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092424\
Data File : BP022064.D
Acq On : 26 Sep 2024 15:51
Operator : RC/JU
Sample : PB163588BS
Misc :
ALS Vial : 41 Sample Multiplier: 1

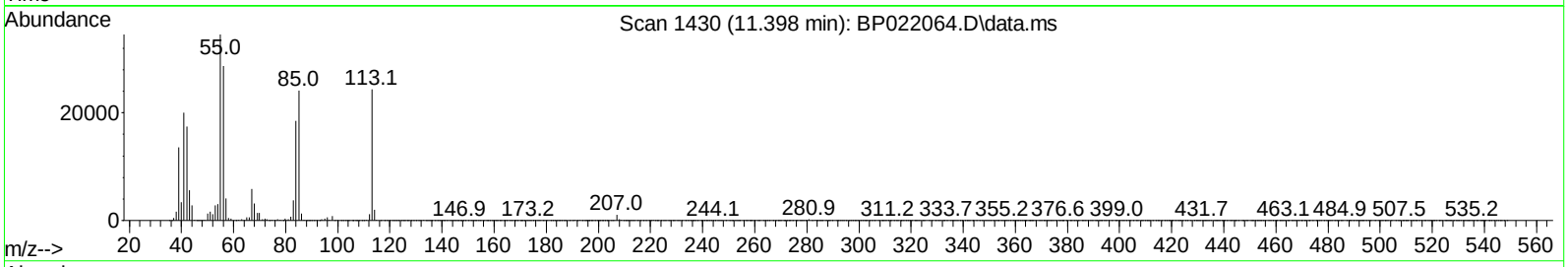
Quant Time: Sep 27 01:17:35 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092424.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 24 15:23:13 2024
Response via : Initial Calibration

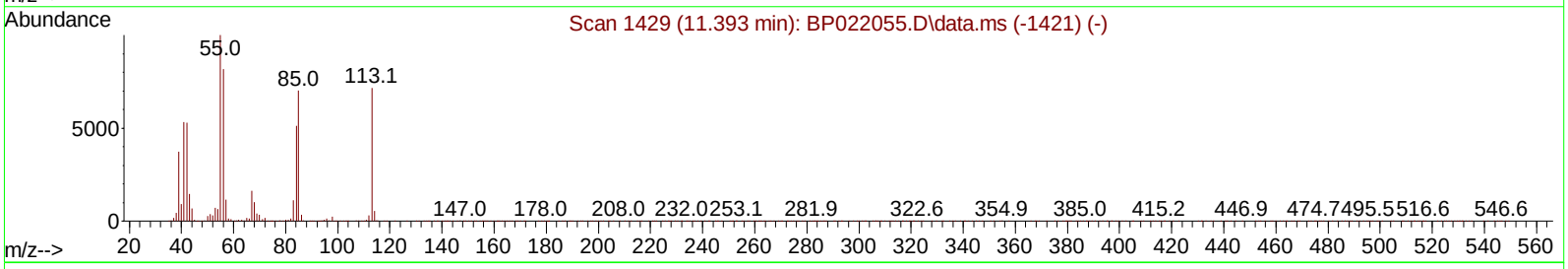
**Instrument :**
BNA_P
**ClientSampleId :**
SLCS588

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/27/2024
Supervised By :mohammad ahmed 09/28/2024




TIC: BP022064.D\data.ms

**(34) Caprolactam**

**11.398min (+ 0.006) 24.95 ng/ul**

**response 54543**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 136.10 | 141.83 |
| 56.00 | 127.30 | 117.86 |
| 0.00 | 0.00 | 0.00 |

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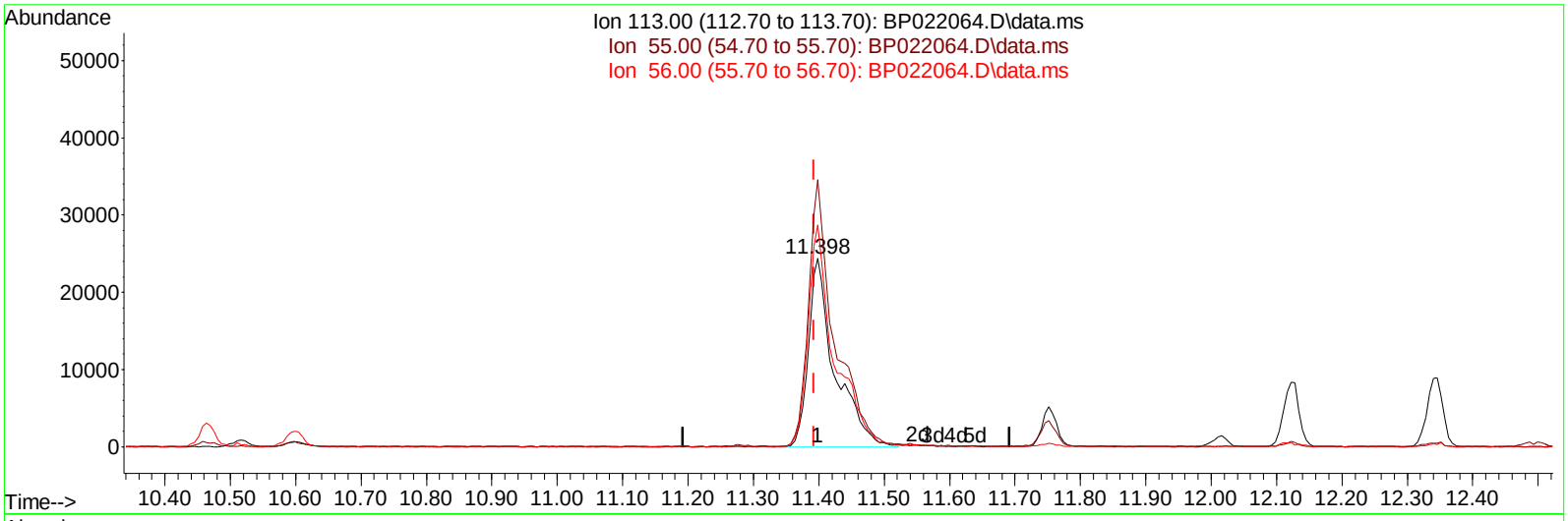


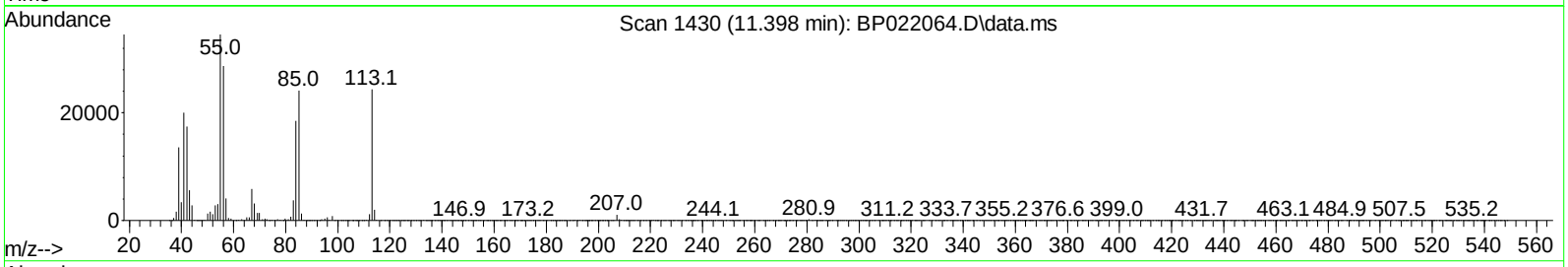


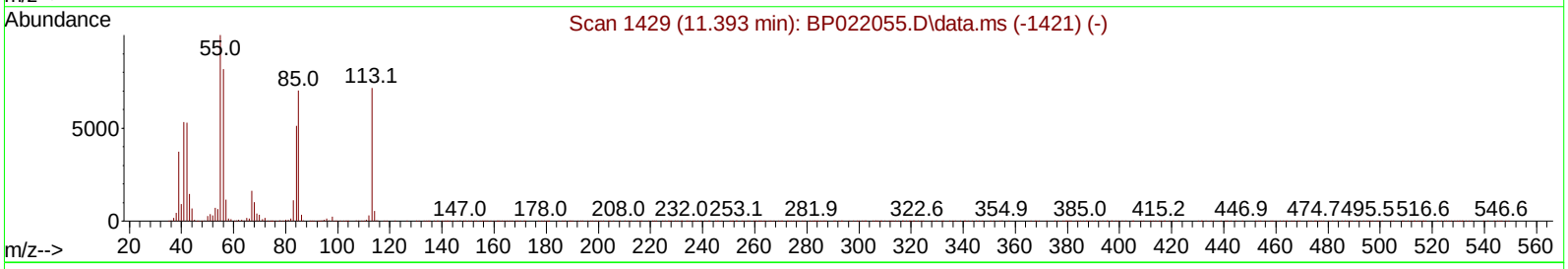


TIC: BP022064.D\data.ms

**(34) Caprolactam**

**11.398min (+ 0.006) 31.24 ng/ul m**

**response 68300**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 136.10 | 141.83 |
| 56.00 | 127.30 | 117.86 |
| 0.00 | 0.00 | 0.00 |

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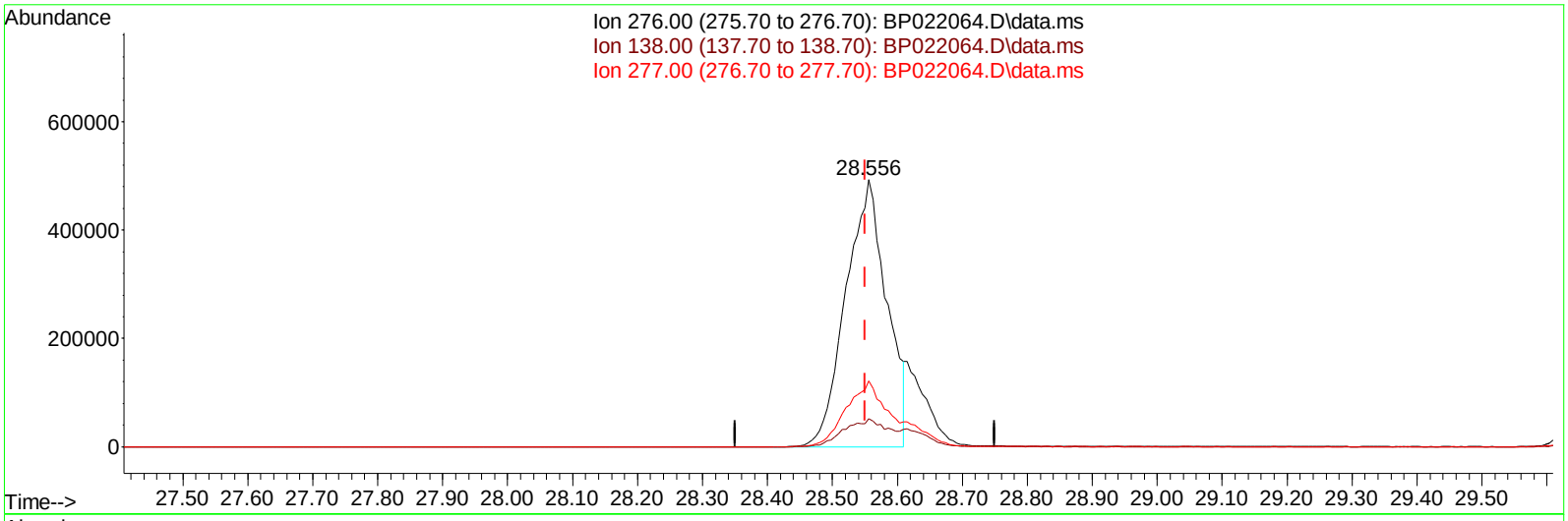


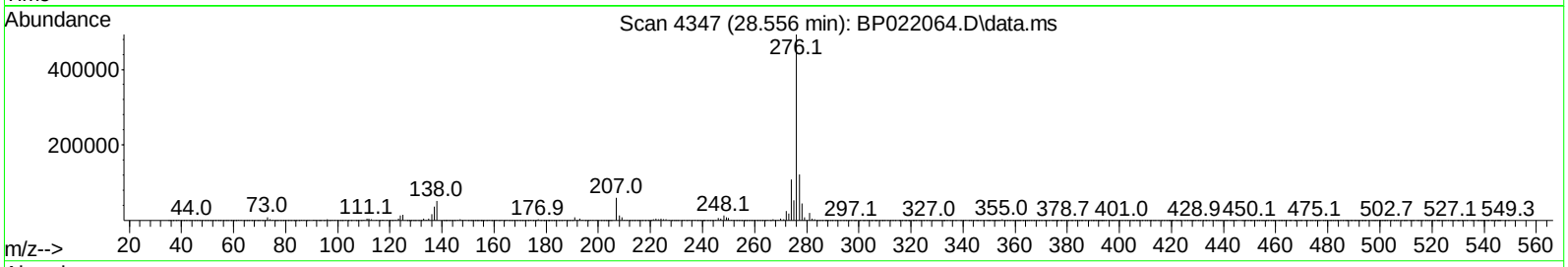


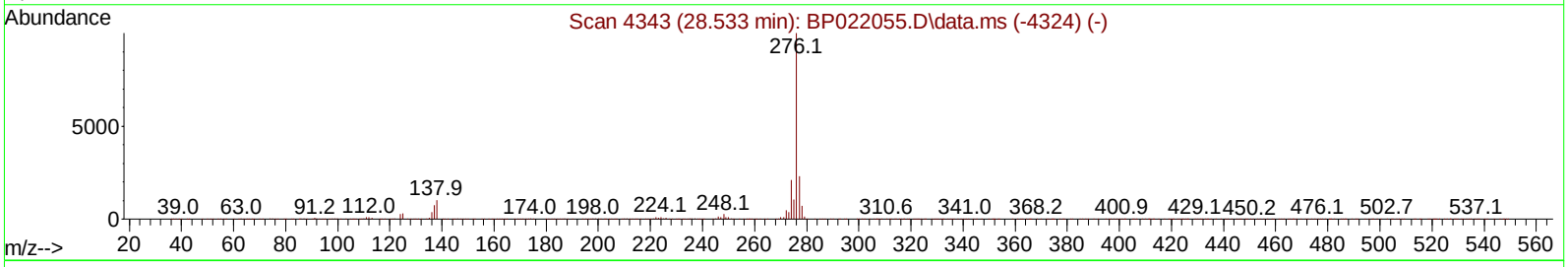


TIC: BP022064.D\data.ms

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

**28.556min (+ 0.006) 24.69 ng/ul**

**response 2148803**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 11.50 | 10.41 |
| 277.00 | 24.20 | 24.62 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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**Instrument :**
BNA_P
**ClientSampleId :**
SLCS588

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/27/2024
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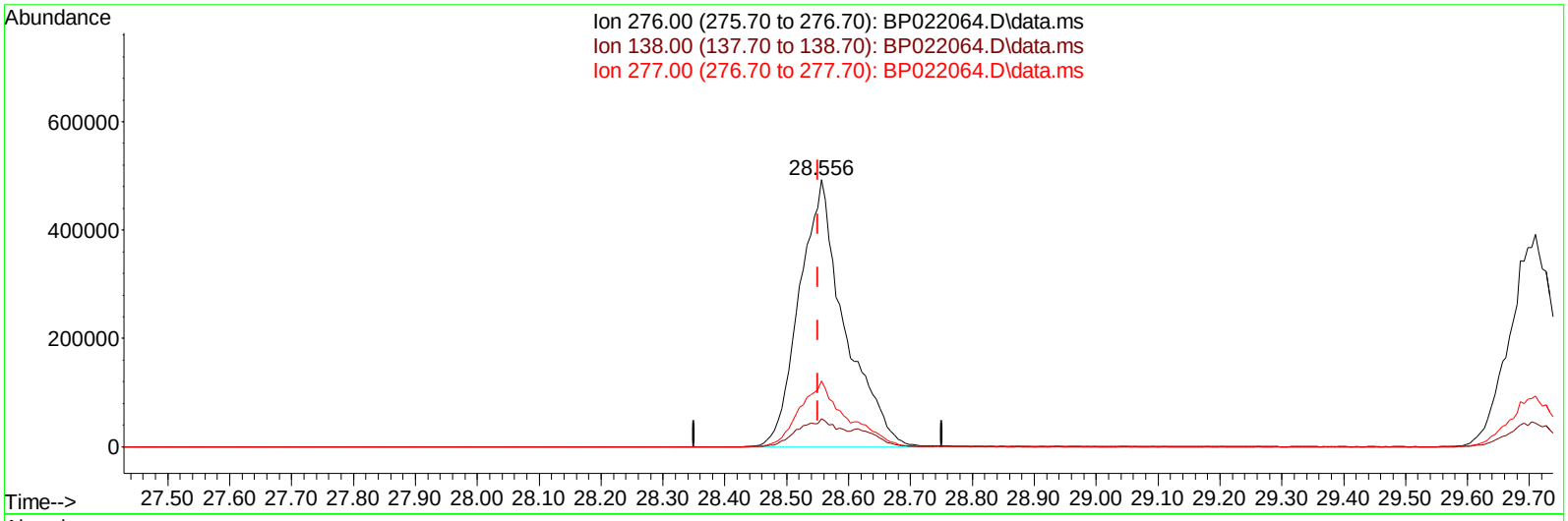


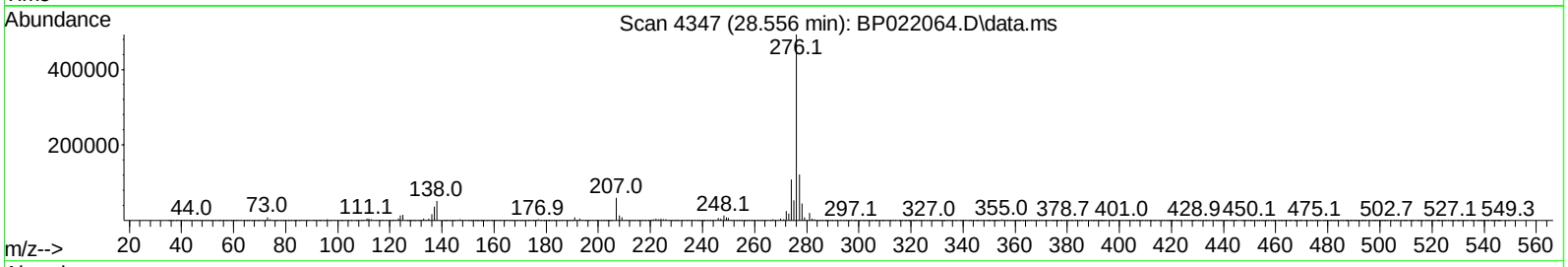


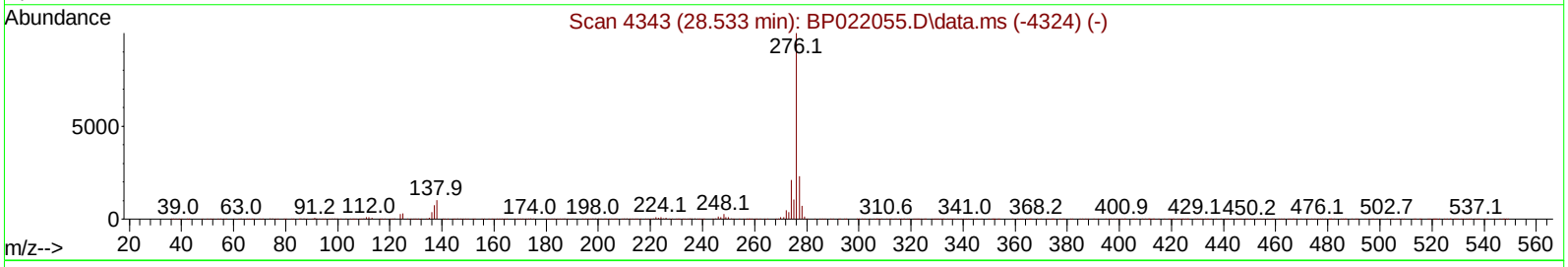


TIC: BP022064.D\data.ms

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

**28.556min (+ 0.006) 28.71 ng/ul m**

**response 2498272**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 11.50 | 10.41 |
| 277.00 | 24.20 | 24.62 |
| 0.00 | 0.00 | 0.00 |

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Operator : RC/JU
Sample : PB163588BS
Misc :
ALS Vial : 41 Sample Multiplier: 1

Quant Time: Sep 27 01:34:00 2024
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Sep 24 15:23:13 2024
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SLCS588

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 09/27/2024
Supervised By :mohammad ahmed 09/28/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.705 | 152 | 99818 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.463 | 136 | 393605 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.316 | 164 | 328000 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.116 | 188 | 851903 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.545 | 240 | 1030931 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 24.827 | 264 | 1166699 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.222 | 96 | 12998 | 5.101 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.634 | 84 | 180228 | 24.742 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.893 | 99 | 230327 | 28.208 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.046 | 67 | 138983 | 27.643 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.252 | 132 | 177818 | 30.100 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.410 | 113 | 185562 | 28.680 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.846 | 128 | 88161 | 29.926 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.557 | 143 | 103248 | 30.910 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.093 | 165 | 221894 | 30.589 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.599 | 131 | 242049 | 27.966 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.722 | 166 | 754737 | 29.767 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.004 | 160 | 799709 | 29.791 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.534 | 143 | 123910 | 28.571 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.322 | 176 | 680753 | 30.353 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 200 | 138245 | 26.138 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.222 | 188 | 1187435 | 29.857 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.586 | 212 | 1610443 | 30.152 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.598 | 264 | 1895567 | 30.890 | ng/ul | -0.01 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.252 | 88 | 27182 | 9.847 | ng/uL | 99 |
| 5) Pyridine | 3.652 | 79 | 175273 | 23.684 | ng/ul | 98 |
| 6) Benzaldehyde | 6.858 | 77 | 150862 | 32.661 | ng/ul | 99 |
| 8) Phenol | 6.916 | 94 | 236472 | 27.751 | ng/ul | 96 |
| 10) Bis(2-Chloroethyl)ether | 7.134 | 93 | 177272 | 27.181 | ng/ul | 97 |
| 12) 2-Chlorophenol | 7.281 | 128 | 177908 | 29.049 | ng/ul | 99 |
| 13) 2-Methylphenol | 8.146 | 108 | 172441 | 27.903 | ng/ul | 95 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.216 | 45 | 156488 | 25.865 | ng/ul | 95 |
| 16) Acetophenone | 8.516 | 105 | 306026 | 28.435 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.505 | 70 | 160599 | 28.784 | ng/ul | 95 |
| 18) 4-Methylphenol | 8.469 | 108 | 190246 | 28.229 | ng/ul | 99 |
| 19) Hexachloroethane | 8.769 | 117 | 81901 | 28.329 | ng/ul | 92 |
| 22) Nitrobenzene | 8.887 | 77 | 253442 | 28.138 | ng/ul | 100 |
| 23) Isophorone | 9.410 | 82 | 440426 | 28.230 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.587 | 139 | 107359 | 30.039 | ng/ul | 94 |
| 26) 2,4-Dimethylphenol | 9.652 | 107 | 197379 | 24.379 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 9.881 | 93 | 248262 | 27.606 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.122 | 162 | 215975 | 29.968 | ng/ul | 99 |
| 30) Naphthalene | 10.516 | 128 | 576926 | 27.857 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.622 | 127 | 218214 | 25.456 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 10.799 | 225 | 182964 | 28.594 | ng/ul | 96 |
| 34) Caprolactam | 11.398 | 113 | 68300m | 31.241 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.751 | 107 | 233745 | 29.979 | ng/ul | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.122 | 142 | 445664 | 28.956 | ng/ul | 98 |
| 37) 1-Methylnaphthalene | 12.345 | 142 | 447977 | 28.860 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.493 | 216 | 337050 | 27.716 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.475 | 237 | 185907 | 24.304 | ng/ul | 97 |
| 41) 2,4,6-Trichlorophenol | 12.740 | 196 | 211270 | 29.061 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 12.810 | 196 | 234040 | 29.729 | ng/ul | 98 |
| 43) 1,1'-Biphenyl | 13.140 | 154 | 647316 | 27.598 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.181 | 162 | 528218 | 27.970 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.387 | 65 | 168631 | 30.881 | ng/ul | 98 |
| 47) Dimethylphthalate | 13.769 | 163 | 723782 | 28.421 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 13.887 | 165 | 149083 | 30.537 | ng/ul | 96 |
| 50) Acenaphthylene | 14.034 | 152 | 791322 | 28.267 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.222 | 138 | 131960 | 29.689 | ng/ul | 96 |
| 52) Acenaphthene | 14.381 | 153 | 573798 | 28.210 | ng/ul | 97 |
| 53) 2,4-Dinitrophenol | 14.434 | 184 | 59721 | 17.978 | ng/ul | 94 |
| 55) 4-Nitrophenol | 14.545 | 109 | 151217 | 30.819 | ng/ul | 89 |
| 56) Dibenzofuran | 14.716 | 168 | 860115 | 28.442 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 14.681 | 165 | 234915 | 31.224 | ng/ul | 98 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.951 | 232 | 231311 | 30.525 | ng/ul | 99 |
| 59) Diethylphthalate | 15.163 | 149 | 746758 | 29.629 | ng/ul | 98 |
| 61) Fluorene | 15.381 | 166 | 734470 | 29.205 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.375 | 204 | 432226 | 29.852 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.392 | 138 | 150115 | 33.183 | ng/ul | 94 |
| 66) 4,6-Dinitro-2-methylph... | 15.469 | 198 | 143733 | 24.962 | ng/ul# | 99 |
| 67) N-Nitrosodiphenylamine | 15.592 | 169 | 640954 | 28.566 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.292 | 248 | 304786 | 29.792 | ng/ul | 99 |
| 69) Hexachlorobenzene | 16.404 | 284 | 375534 | 30.231 | ng/ul | 98 |
| 70) Atrazine | 16.575 | 200 | 260145 | 25.990 | ng/ul | 99 |
| 71) Pentachlorophenol | 16.757 | 266 | 209202 | 25.242 | ng/ul | 99 |
| 72) Phenanthrene | 17.163 | 178 | 1299998 | 29.104 | ng/ul | 99 |
| 74) Anthracene | 17.257 | 178 | 1325034 | 29.151 | ng/ul | 100 |
| 75) 1,2,3,4-Tetrachloroben... | 13.104 | 216 | 338011 | 26.441 | ng/uL | 98 |
| 76) Pentachlorobenzene | 14.639 | 250 | 381677 | 27.150 | ng/uL | 99 |
| 77) Carbazole | 17.533 | 167 | 1178822 | 29.425 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.122 | 149 | 1420953 | 30.765 | ng/ul | 99 |
| 80) Fluoranthene | 19.239 | 202 | 1788887 | 29.304 | ng/ul | 100 |
| 82) Pyrene | 19.622 | 202 | 1926695 | 29.321 | ng/ul | 96 |
| 83) Butylbenzylphthalate | 20.569 | 149 | 710884 | 31.042 | ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 21.451 | 252 | 628537 | 26.628 | ng/ul | 98 |
| 85) Benzo(a)anthracene | 21.527 | 228 | 2069839 | 29.133 | ng/ul | 100 |
| 86) Bis(2-ethylhexyl)phtha... | 21.463 | 149 | 1039206 | 30.929 | ng/ul | 100 |
| 87) Chrysene | 21.592 | 228 | 1969232 | 29.533 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.710 | 149 | 1822902 | 31.628 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.780 | 252 | 2139160 | 29.536 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.857 | 252 | 2156579 | 29.876 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 24.674 | 252 | 1983877 | 29.727 | ng/ul | 100 |
| 94) Indeno(1,2,3-cd)pyrene | 28.556 | 276 | 2498272m | 28.711 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 28.615 | 278 | 2004265 | 28.593 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 29.709 | 276 | 1928195 | 28.558 | ng/ul | 100 |

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

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