Quantitation Report (Qedit)

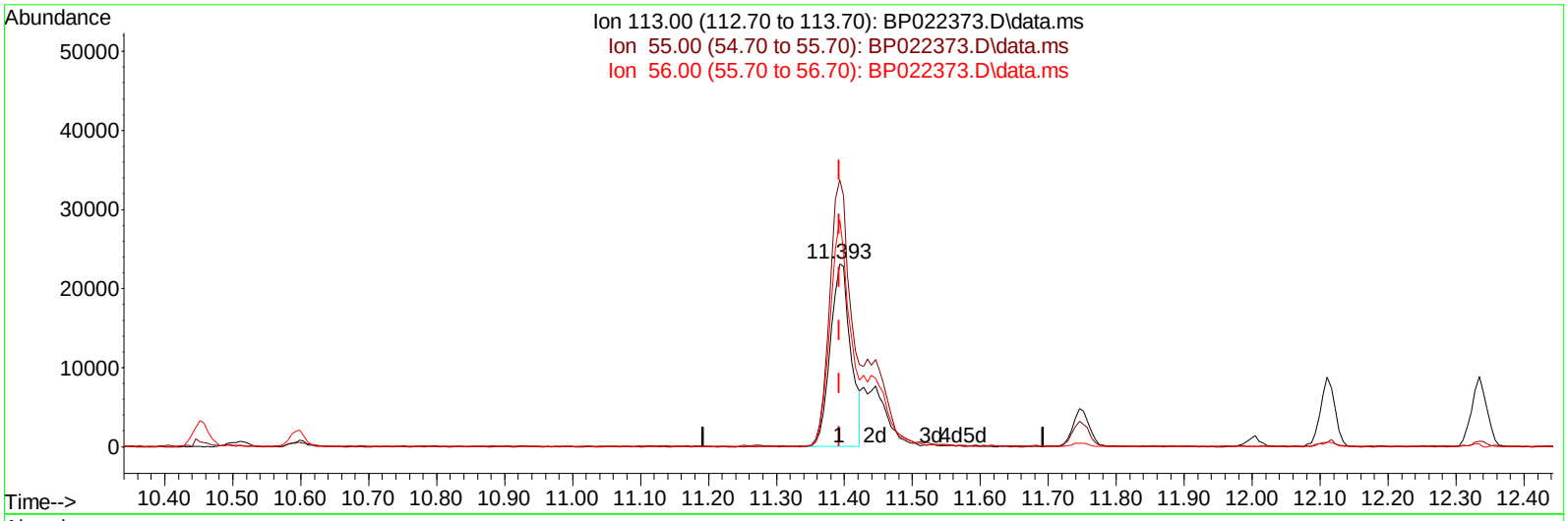
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP101424\
Data File : BP022373.D
Acq On : 15 Oct 2024 02:54
Operator : RC/JU
Sample : PB163924BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

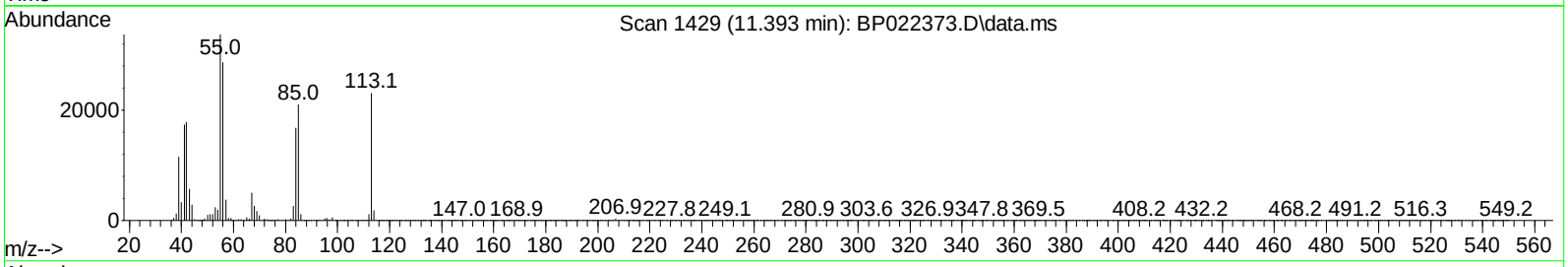
Quant Time: Oct 22 06:07:00 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 22 05:59:59 2024
Response via : Initial Calibration

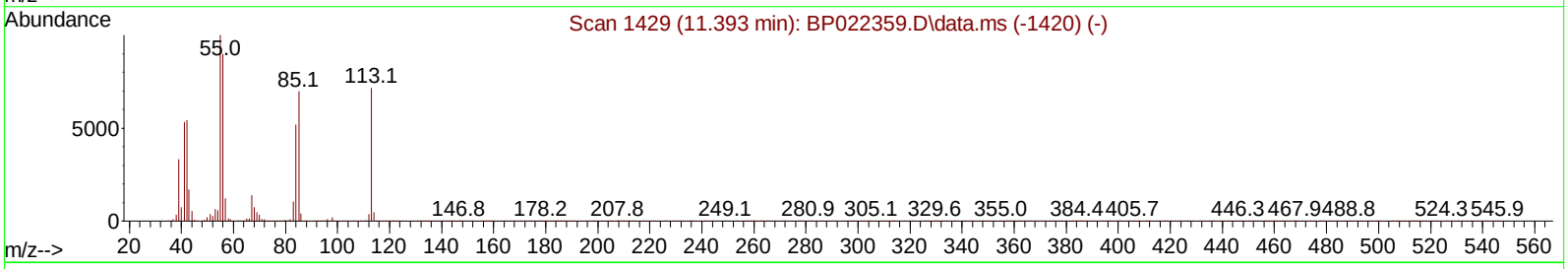
**Instrument :**
BNA_P
**ClientSampleId :**
SLCS924

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/22/2024




TIC: BP022373.D\data.ms

**(34) Caprolactam**

**11.393min (+ 0.000) 17.85 ng/ul**

**response 48919**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 162.70 | 145.83 |
| 56.00 | 130.00 | 123.99 |
| 0.00 | 0.00 | 0.00 |

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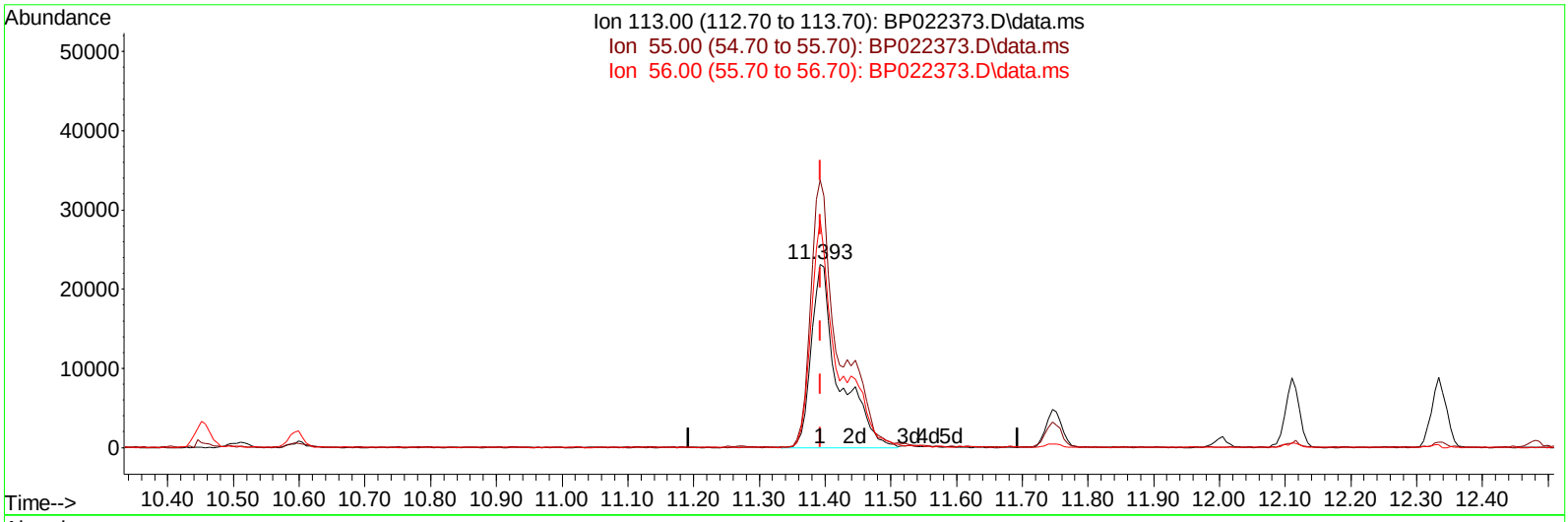


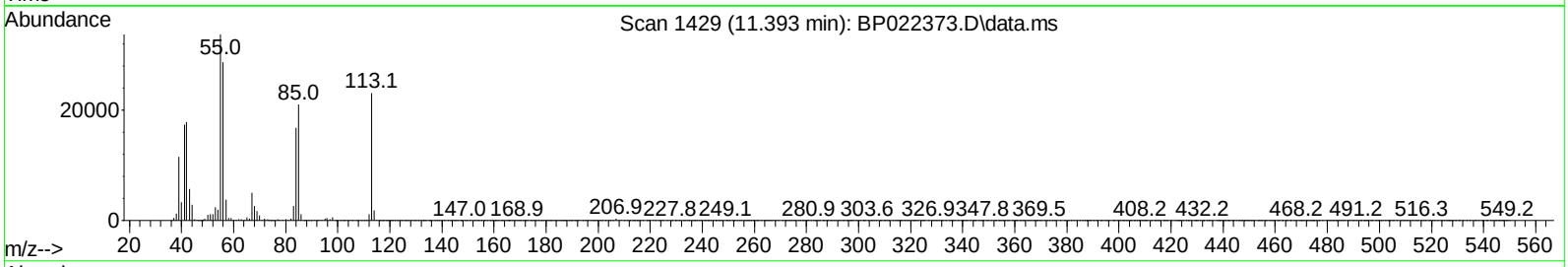


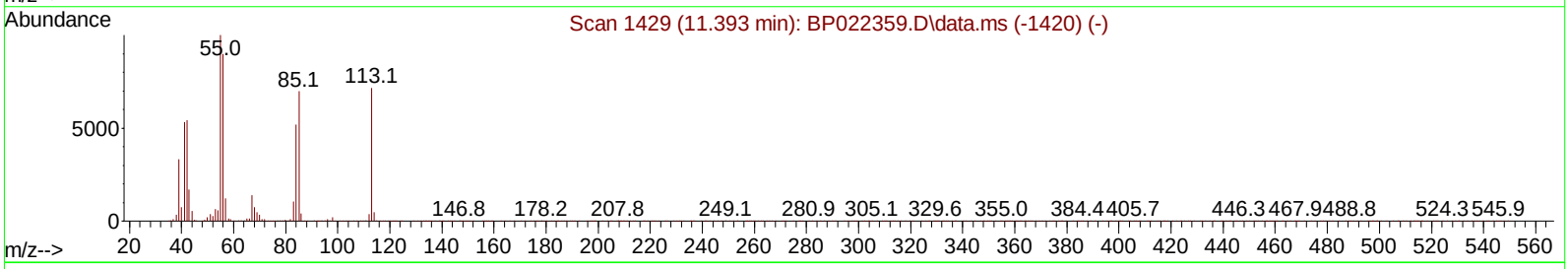


TIC: BP022373.D\data.ms

**(34) Caprolactam**

**11.393min (+ 0.000) 24.62 ng/ul m**

**response 67490**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 162.70 | 145.83 |
| 56.00 | 130.00 | 123.99 |
| 0.00 | 0.00 | 0.00 |

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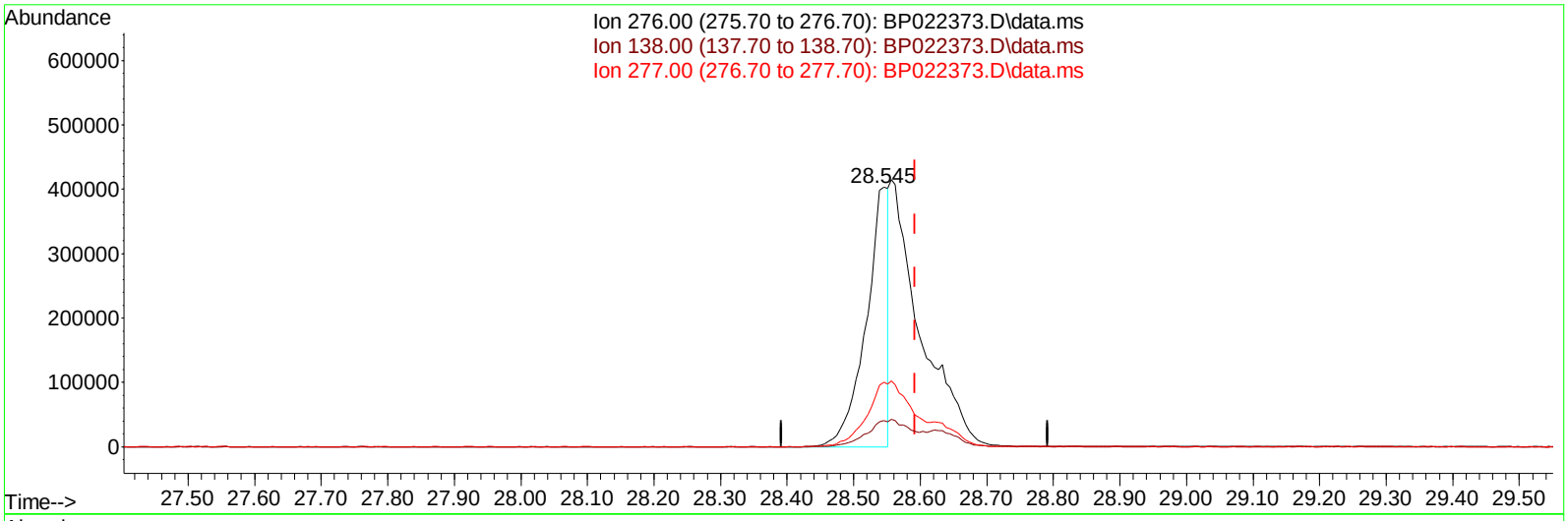


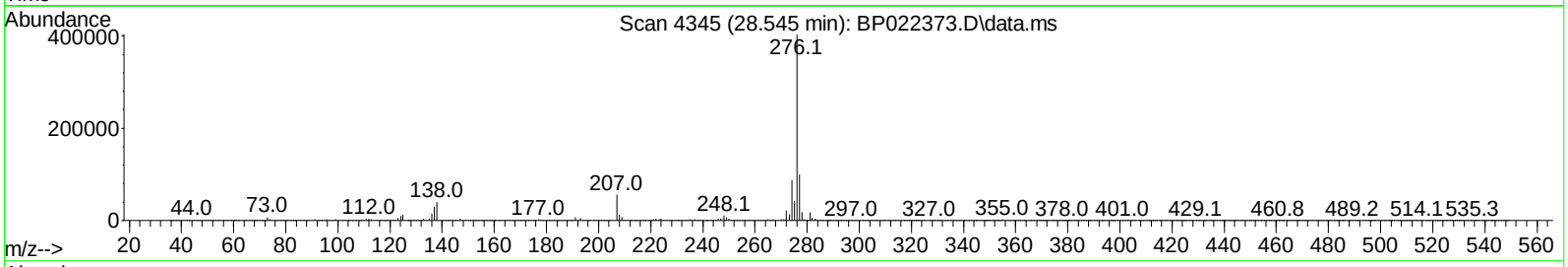


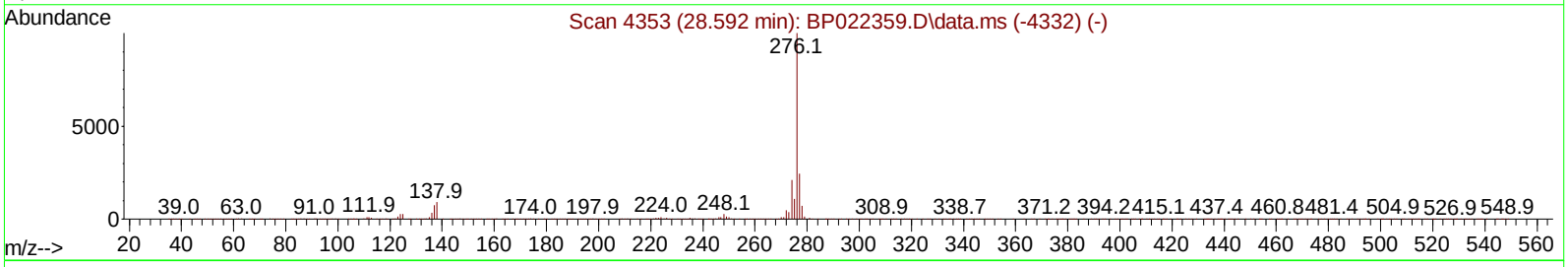


TIC: BP022373.D\data.ms

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

**28.545min (-0.047) 10.40 ng/ul**

**response 933207**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 11.40 | 10.00 |
| 277.00 | 23.20 | 24.86 |
| 0.00 | 0.00 | 0.00 |

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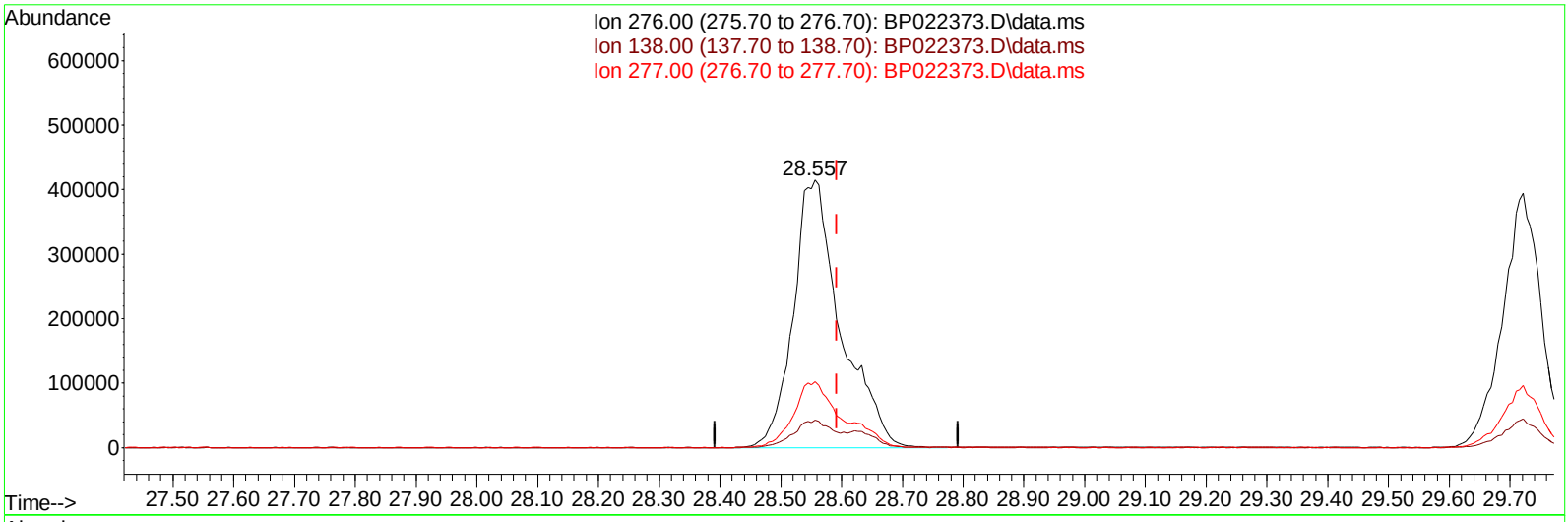


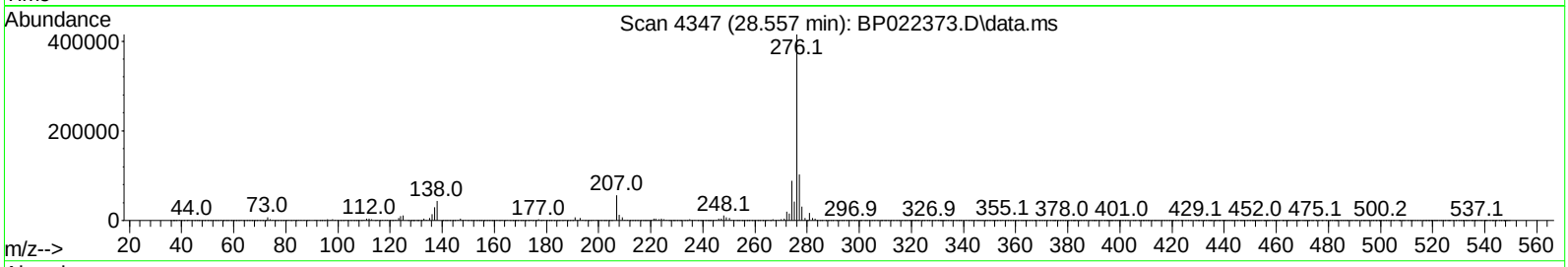


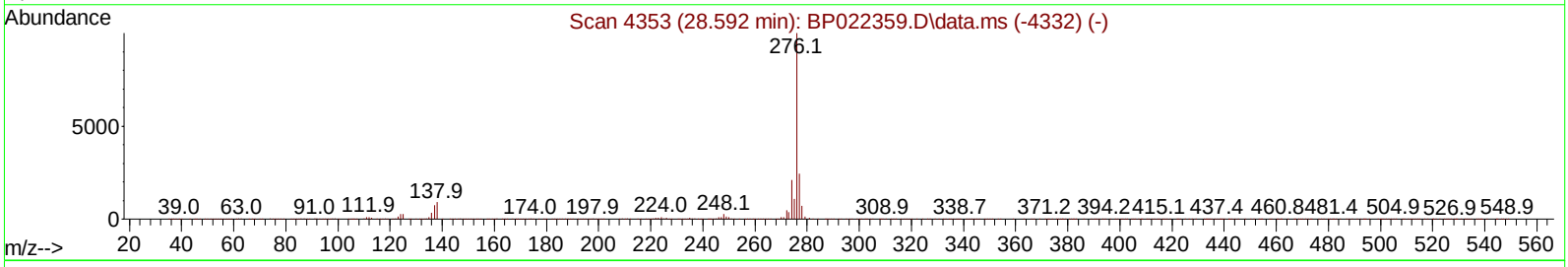


TIC: BP022373.D\data.ms

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

**28.557min (-0.035) 24.95 ng/ul m**

**response 2238480**

| Ion | Exp% | Act% |
|---|---|---|
| 276.00 | 100.00 | 100.00 |
| 138.00 | 11.40 | 10.38 |
| 277.00 | 23.20 | 24.69 |
| 0.00 | 0.00 | 0.00 |

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ALS Vial : 25 Sample Multiplier: 1

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**Instrument :**
BNA_P
**ClientSampleId :**
SLCS924

**Manual IntegrationsAPPROVED**

Reviewed By :Yogesh Patel 10/22/2024
Supervised By :mohammad ahmed 10/22/2024

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.699 | 152 | 117352 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.458 | 136 | 456333 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.310 | 164 | 365153 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.122 | 188 | 934507 | 20.000 | ng/ul | 0.01 |
| 79) Chrysene-d12 | 21.533 | 240 | 997523 | 20.000 | ng/ul | -0.02 |
| 88) Perylene-d12 | 24.821 | 264 | 1160333 | 20.000 | ng/ul | -0.03 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.223 | 96 | 12489 | 4.136 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.634 | 84 | 175546 | 21.175 | ng/ul | 0.00 |
| 7) Phenol-d5 | 6.887 | 99 | 242270 | 24.525 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.040 | 67 | 132775 | 22.869 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.240 | 132 | 180981 | 25.820 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.399 | 113 | 195602 | 24.812 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 8.840 | 128 | 90940 | 25.918 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.552 | 143 | 108553 | 26.723 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.087 | 165 | 226115 | 26.190 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.599 | 131 | 244958 | 24.011 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.722 | 166 | 697281 | 24.034 | ng/ul | 0.01 |
| 49) Acenaphthylene-d8 | 13.998 | 160 | 778760 | 25.273 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.528 | 143 | 126685 | 26.029 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.322 | 176 | 640738 | 25.462 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.451 | 200 | 147509 | 24.000 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.210 | 188 | 1106933 | 25.180 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.586 | 212 | 1395749 | 26.459 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 24.604 | 264 | 1621137 | 26.161 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.258 | 88 | 27480 | 8.463 | ng/uL | 99 |
| 5) Pyridine | 3.652 | 79 | 176428 | 20.755 | ng/ul | 97 |
| 6) Benzaldehyde | 6.858 | 77 | 136677 | 25.603 | ng/ul | 98 |
| 8) Phenol | 6.911 | 94 | 251935 | 24.513 | ng/ul | 98 |
| 10) Bis(2-Chloroethyl)ether | 7.128 | 93 | 184898 | 24.038 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.269 | 128 | 187937 | 25.929 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.140 | 108 | 184568 | 24.746 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.211 | 45 | 204897 | 22.921 | ng/ul | 97 |
| 16) Acetophenone | 8.505 | 105 | 316487 | 24.317 | ng/ul | 95 |
| 17) N-Nitroso-di-n-propyla... | 8.493 | 70 | 156049 | 23.666 | ng/ul | 97 |
| 18) 4-Methylphenol | 8.463 | 108 | 205004 | 24.776 | ng/ul | 99 |
| 19) Hexachloroethane | 8.758 | 117 | 83611 | 24.769 | ng/ul | 97 |
| 22) Nitrobenzene | 8.881 | 77 | 248275 | 23.705 | ng/ul | 98 |
| 23) Isophorone | 9.405 | 82 | 442616 | 23.570 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.581 | 139 | 114725 | 26.205 | ng/ul | 97 |
| 26) 2,4-Dimethylphenol | 9.646 | 107 | 199086 | 20.922 | ng/ul | 96 |
| 27) Bis(2-Chloroethoxy)met... | 9.869 | 93 | 250855 | 23.527 | ng/ul | 100 |
| 29) 2,4-Dichlorophenol | 10.116 | 162 | 224817 | 26.442 | ng/ul | 97 |
| 30) Naphthalene | 10.505 | 128 | 598979 | 24.644 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.616 | 127 | 201435 | 20.003 | ng/ul | 95 |
| 33) Hexachlorobutadiene | 10.781 | 225 | 173235 | 24.175 | ng/ul | 96 |
| 34) Caprolactam | 11.393 | 113 | 67490m | 24.622 | ng/ul | |
| 35) 4-Chloro-3-methylphenol | 11.746 | 107 | 241029 | 25.983 | ng/ul | 99 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.110 | 142 | 445915 | 24.993 | ng/ul | 97 |
| 37) 1-Methylnaphthalene | 12.334 | 142 | 445260 | 24.451 | ng/ul | 98 |
| 39) 1,2,4,5-Tetrachloroben... | 12.481 | 216 | 336446 | 24.919 | ng/ul | 96 |
| 40) Hexachlorocyclopentadiene | 12.457 | 237 | 113849 | 13.840 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 12.734 | 196 | 211509 | 24.904 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 12.810 | 196 | 232050 | 25.660 | ng/ul | 96 |
| 43) 1,1'-Biphenyl | 13.134 | 154 | 637895 | 24.236 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.175 | 162 | 533195 | 24.747 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.387 | 65 | 162916 | 25.323 | ng/ul | 93 |
| 47) Dimethylphthalate | 13.763 | 163 | 680043 | 23.523 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 13.881 | 165 | 145271 | 26.567 | ng/ul | 98 |
| 50) Acenaphthylene | 14.028 | 152 | 792039 | 24.766 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.222 | 138 | 136888 | 26.654 | ng/ul | 92 |
| 52) Acenaphthene | 14.381 | 153 | 567538 | 25.096 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.434 | 184 | 96565 | 24.002 | ng/ul | 99 |
| 55) 4-Nitrophenol | 14.546 | 109 | 142621 | 26.402 | ng/ul | 94 |
| 56) Dibenzofuran | 14.728 | 168 | 842568 | 24.804 | ng/ul | 99 |
| 57) 2,4-Dinitrotoluene | 14.693 | 165 | 232013 | 27.305 | ng/ul | 95 |
| 58) 2,3,4,6-Tetrachlorophenol | 14.957 | 232 | 213616 | 25.308 | ng/ul | 99 |
| 59) Diethylphthalate | 15.140 | 149 | 674594 | 24.323 | ng/ul | 99 |
| 61) Fluorene | 15.381 | 166 | 694977 | 25.109 | ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.381 | 204 | 387632 | 24.490 | ng/ul | 98 |
| 63) 4-Nitroaniline | 15.410 | 138 | 155604 | 30.110 | ng/ul | 97 |
| 66) 4,6-Dinitro-2-methylph... | 15.463 | 198 | 155597 | 23.503 | ng/ul | 97 |
| 67) N-Nitrosodiphenylamine | 15.587 | 169 | 600726 | 24.005 | ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.287 | 248 | 281724 | 24.999 | ng/ul | 97 |
| 69) Hexachlorobenzene | 16.416 | 284 | 349604 | 25.203 | ng/ul | 96 |
| 70) Atrazine | 16.563 | 200 | 180768 | 17.378 | ng/ul | 93 |
| 71) Pentachlorophenol | 16.763 | 266 | 214587 | 24.059 | ng/ul | 98 |
| 72) Phenanthrene | 17.163 | 178 | 1244779 | 24.897 | ng/ul | 99 |
| 74) Anthracene | 17.245 | 178 | 1236852 | 24.790 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.099 | 216 | 330919 | 23.257 | ng/uL | 98 |
| 76) Pentachlorobenzene | 14.640 | 250 | 365026 | 23.206 | ng/uL | 100 |
| 77) Carbazole | 17.539 | 167 | 1095117 | 24.806 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.122 | 149 | 1198353 | 24.532 | ng/ul | 99 |
| 80) Fluoranthene | 19.245 | 202 | 1667997 | 27.505 | ng/ul | 98 |
| 82) Pyrene | 19.622 | 202 | 1728642 | 26.595 | ng/ul | 98 |
| 83) Butylbenzylphthalate | 20.557 | 149 | 589273 | 26.040 | ng/ul | 95 |
| 84) 3,3'-Dichlorobenzidine | 21.439 | 252 | 628066 | 26.413 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.516 | 228 | 1767081 | 25.269 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.451 | 149 | 821072 | 25.277 | ng/ul | 99 |
| 87) Chrysene | 21.580 | 228 | 1625139 | 25.063 | ng/ul | 100 |
| 89) Di-n-octyl phthalate | 22.704 | 149 | 1374607 | 24.906 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.780 | 252 | 1885281 | 25.812 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.857 | 252 | 1834474 | 25.654 | ng/ul | 100 |
| 93) Benzo(a)pyrene | 24.680 | 252 | 1669387 | 24.834 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 28.557 | 276 | 2238480m | 24.954 | ng/ul | |
| 95) Dibenzo(a,h)anthracene | 28.633 | 278 | 1806758 | 24.873 | ng/ul# | 98 |
| 96) Benzo(g,h,i)perylene | 29.721 | 276 | 1724261 | 24.712 | ng/ul | 98 |

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

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