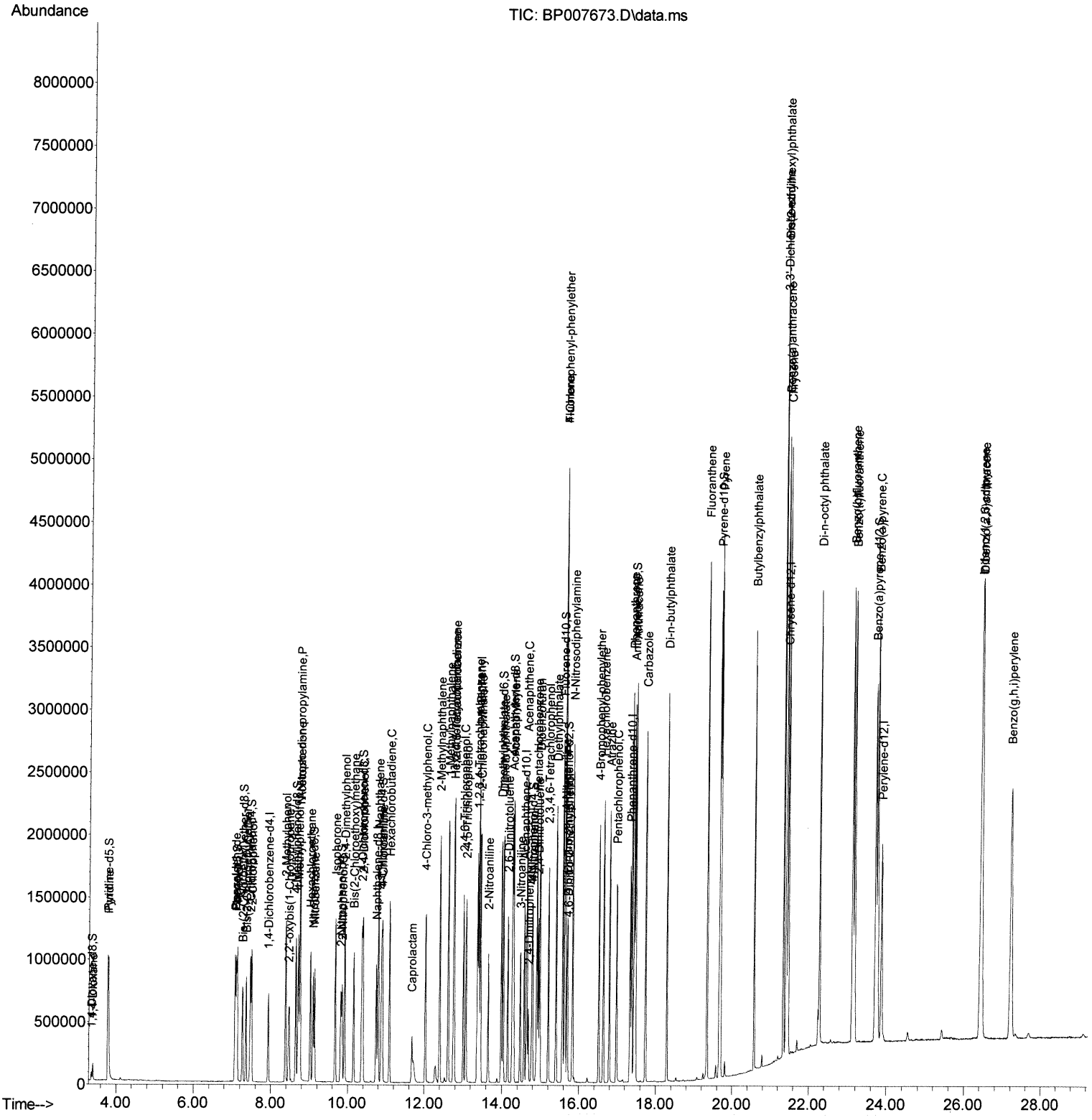
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102521\
Data File : BP007673.D
Acq On : 26 Oct 2021 10:05
Operator : CG/JU
Sample : PB140137BS
Misc :
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Oct 26 11:00:15 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP102521.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 25 16:57:16 2021
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SLCS137

**Manual Integrations APPROVED**
mohammad
10/27/2021 11:50:27 AM



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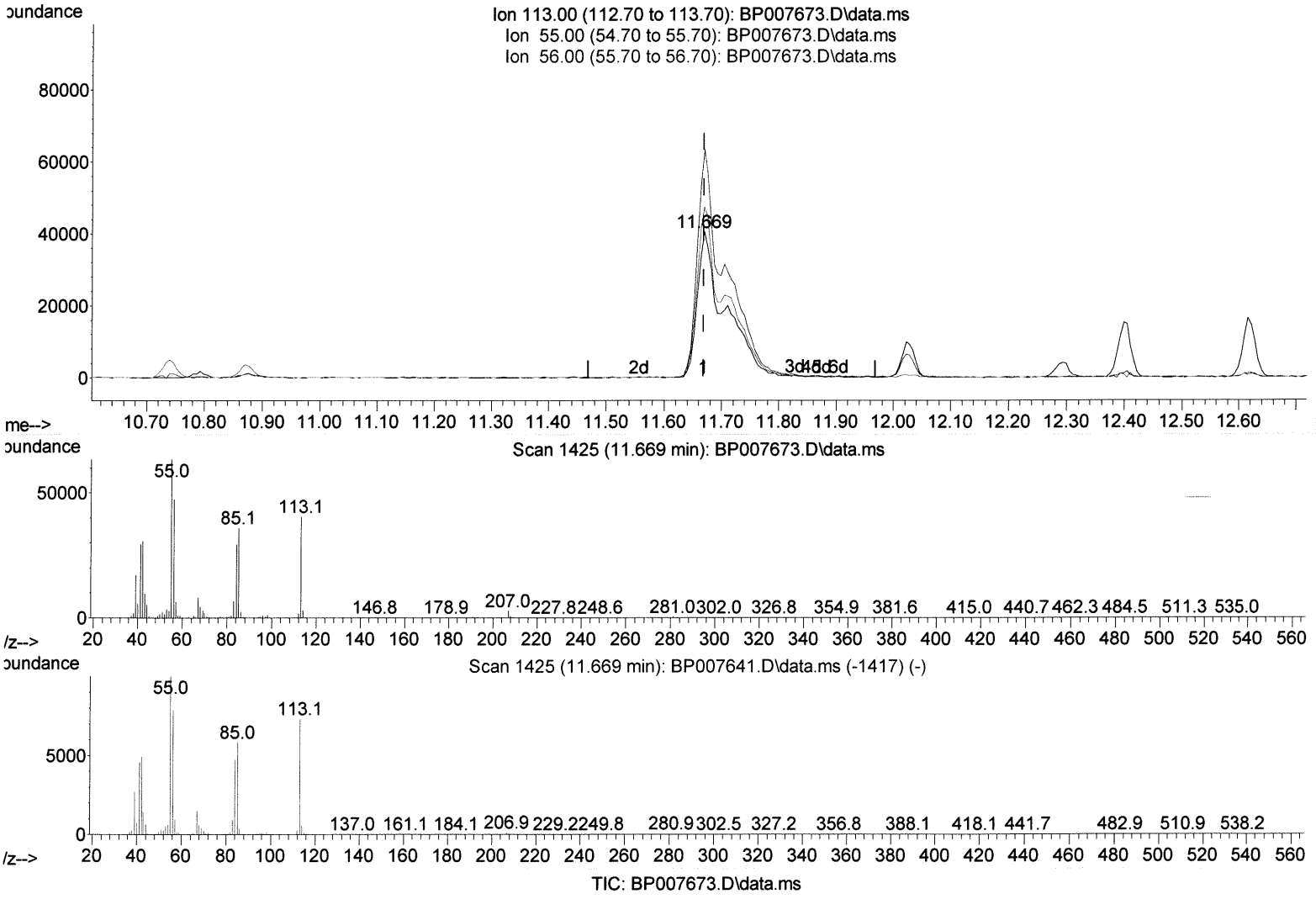


(34) Caprolactam

11.669min (+ 0.000) 22.47 ng/ul

response 84263

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 162.60 | 156.35 |
| 56.00 | 120.30 | 116.99 |
| 0.00 | 0.00 | 0.00 |

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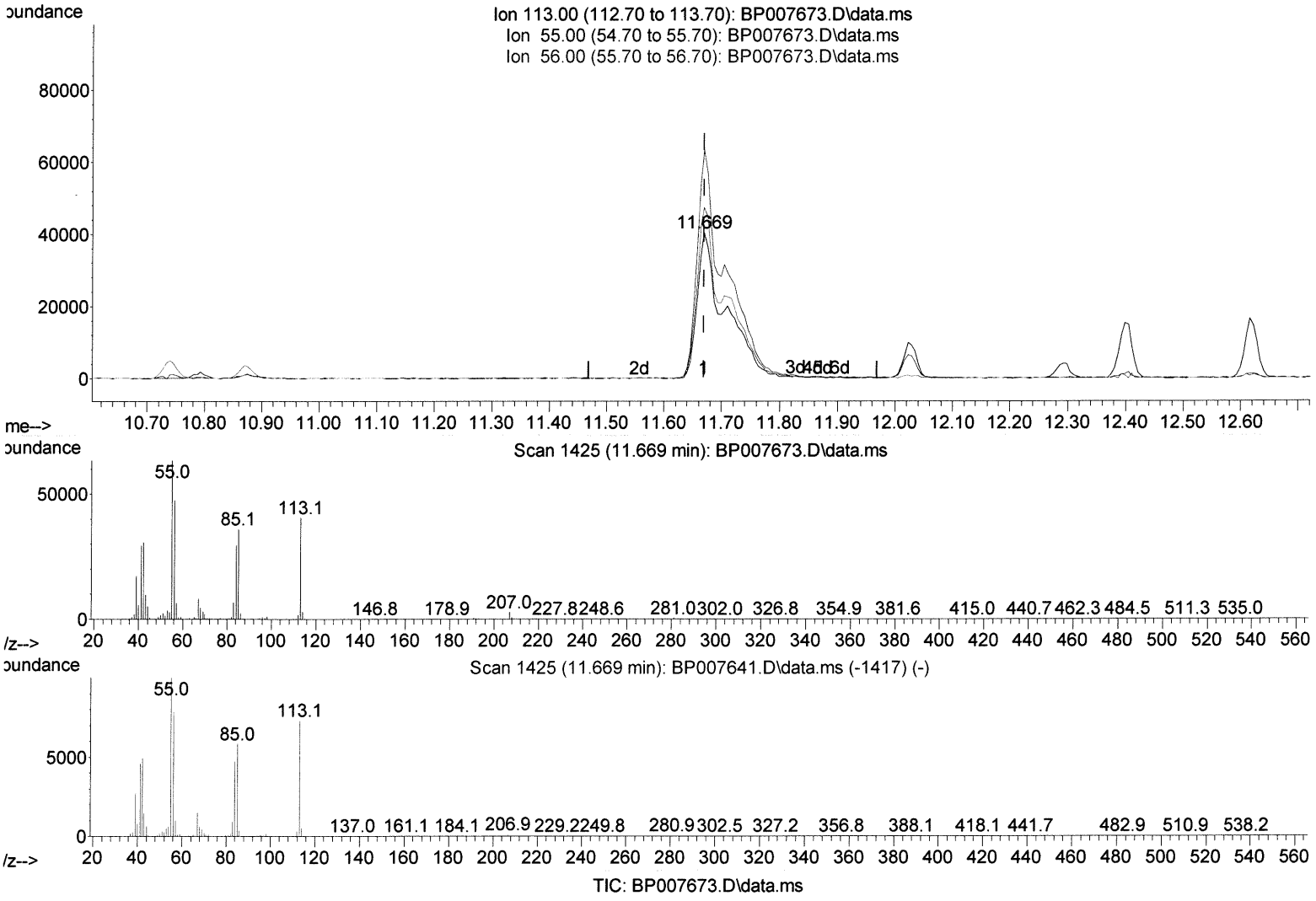
mohammad
10/27/2021 11:50:27 AM




TIC: BP007673.D\data.ms

(34) Caprolactam

11.669min (+ 0.000) 36.33 ng/ul m 10/29/21 JU

response 136220

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 162.60 | 156.35 |
| 56.00 | 120.30 | 116.99 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102521\
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**Instrument :** BNA_P
**ClientSampleId :** SLCS137

**Manual Integrations APPROVED**
mohammad
10/27/2021 11:50:27 AM

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.934 | 152 | 195718 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.740 | 136 | 770480 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.575 | 164 | 490990 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.328 | 188 | 1049020 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.422 | 240 | 1125544 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.869 | 264 | 1205151 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.370 | 96 | 33036 | 7.668 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.781 | 84 | 478675 | 36.739 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.099 | 99 | 571313 | 38.431 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.264 | 67 | 325188 | 39.400 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.469 | 132 | 459311 | 39.726 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.646 | 113 | 446062 | 38.320 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.093 | 128 | 215235 | 40.992 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.816 | 143 | 236344 | 41.213 | ng/ul | -0.01 |
| 28) 2,4-Dichlorophenol-d3 | 10.363 | 165 | 462229 | 39.599 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.875 | 131 | 561823 | 36.401 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.987 | 166 | 1314412 | 39.521 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.269 | 160 | 1607017 | 39.423 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.769 | 143 | 244016 | 40.026 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.569 | 176 | 1100486 | 39.250 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.687 | 200 | 206509 | 36.803 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.428 | 188 | 1705705 | 39.566 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.663 | 212 | 2141376 | 40.865 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.710 | 264 | 2296505 | 38.791 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.399 | 88 | 67500 | 14.013 | ng/uL | 90 |
| 5) Pyridine | 3.799 | 79 | 460488 | 36.081 | ng/ul | 98 |
| 6) Benzaldehyde | 7.069 | 77 | 341800 | 47.827 | ng/ul | 98 |
| 8) Phenol | 7.128 | 94 | 574774 | 38.268 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.358 | 93 | 450566 | 38.051 | ng/ul | 98 |
| 12) 2-Chlorophenol | 7.499 | 128 | 461603 | 39.381 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.381 | 108 | 431501 | 38.032 | ng/ul | 100 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.469 | 45 | 524804 | 39.021 | ng/ul | 98 |
| 16) Acetophenone | 8.758 | 105 | 657889 | 37.868 | ng/ul | 100 |
| 17) N-Nitroso-di-n-propyla... | 8.752 | 70 | 320266 | 38.759 | ng/ul | 94 |
| 18) 4-Methylphenol | 8.710 | 108 | 458461 | 37.892 | ng/ul | 99 |
| 19) Hexachloroethane | 9.022 | 117 | 188546 | 39.305 | ng/ul | 92 |
| 22) Nitrobenzene | 9.134 | 77 | 490475 | 39.589 | ng/ul | 98 |
| 23) Isophorone | 9.669 | 82 | 927006 | 39.114 | ng/ul | 97 |
| 25) 2-Nitrophenol | 9.852 | 139 | 250562 | 40.594 | ng/ul | 95 |
| 26) 2,4-Dimethylphenol | 9.916 | 107 | 502367 | 38.228 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 10.152 | 93 | 588438 | 38.730 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.387 | 162 | 446112 | 39.009 | ng/ul | 97 |
| 30) Naphthalene | 10.793 | 128 | 1371456 | 37.703 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.899 | 127 | 557956 | 35.516 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 11.087 | 225 | 320038 | 38.385 | ng/ul | 99 |
| 34) Caprolactam | 11.669 | 113 | 136220m | 36.327 | ng/ul | 7 |
| 35) 4-Chloro-3-methylphenol | 12.028 | 107 | 469209 | 39.631 | ng/ul | 97 |

10/29/21 JD

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**Manual Integrations APPROVED**
mohammad
10/27/2021 11:50:27 AM

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.399 | 142 | 955293 | 38.200 | ng/ul | 100 |
| 37) 1-Methylnaphthalene | 12.616 | 142 | 959194 | 37.988 | ng/ul | 99 |
| 39) 1,2,4,5-Tetrachloroben... | 12.769 | 216 | 567187 | 38.084 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.757 | 237 | 318208 | 32.947 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 13.010 | 196 | 371079 | 39.600 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 13.081 | 196 | 404883 | 40.128 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.410 | 154 | 1293933 | 38.148 | ng/ul | 98 |
| 44) 2-Chloronaphthalene | 13.451 | 162 | 993833 | 37.809 | ng/ul | 98 |
| 45) 2-Nitroaniline | 13.651 | 65 | 277858 | 41.900 | ng/ul | 91 |
| 47) Dimethylphthalate | 14.034 | 163 | 1277424 | 38.859 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.146 | 165 | 263045 | 41.895 | ng/ul | 93 |
| 50) Acenaphthylene | 14.293 | 152 | 1583777 | 38.375 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.475 | 138 | 262088 | 39.357 | ng/ul# | 94 |
| 52) Acenaphthene | 14.640 | 153 | 1035542 | 38.045 | ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.681 | 184 | 131965 | 33.674 | ng/ul | 93 |
| 55) 4-Nitrophenol | 14.787 | 109 | 209280 | 38.830 | ng/ul | 93 |
| 56) Dibenzofuran | 14.975 | 168 | 1502488 | 37.761 | ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 14.934 | 165 | 379950 | 42.135 | ng/ul | 93 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.198 | 232 | 331949 | 40.362 | ng/ul | 99 |
| 59) Diethylphthalate | 15.404 | 149 | 1271364 | 39.434 | ng/ul | 98 |
| 61) Fluorene | 15.622 | 166 | 1169849 | 37.719 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.622 | 204 | 613595 | 37.306 | ng/ul | 99 |
| 63) 4-Nitroaniline | 15.640 | 138 | 261682 | 42.327 | ng/ul | 99 |
| 66) 4,6-Dinitro-2-methylph... | 15.704 | 198 | 206856 | 36.624 | ng/ul | 96 |
| 67) N-Nitrosodiphenylamine | 15.834 | 169 | 1049661 | 38.784 | ng/ul | 100 |
| 68) 4-Bromophenyl-phenylether | 16.516 | 248 | 400652 | 39.170 | ng/ul | 96 |
| 69) Hexachlorobenzene | 16.634 | 284 | 460936 | 38.915 | ng/ul | 99 |
| 70) Atrazine | 16.792 | 200 | 418952 | 37.334 | ng/ul | 99 |
| 71) Pentachlorophenol | 16.981 | 266 | 276094 | 37.533 | ng/ul | 99 |
| 72) Phenanthrene | 17.375 | 178 | 1961045 | 38.677 | ng/ul | 99 |
| 74) Anthracene | 17.463 | 178 | 1923048 | 38.131 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.375 | 216 | 574519 | 37.459 | ng/uL | 99 |
| 76) Pentachlorobenzene | 14.898 | 250 | 543537 | 36.752 | ng/uL | 99 |
| 77) Carbazole | 17.734 | 167 | 1801174 | 38.687 | ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.292 | 149 | 2157405 | 40.474 | ng/ul | 100 |
| 80) Fluoranthene | 19.339 | 202 | 2473919 | 38.522 | ng/ul | 98 |
| 82) Pyrene | 19.692 | 202 | 2480629 | 38.164 | ng/ul | 97 |
| 83) Butylbenzylphthalate | 20.569 | 149 | 1008852 | 39.890 | ng/ul | 98 |
| 84) 3,3'-Dichlorobenzidine | 21.333 | 252 | 848460 | 40.674 | ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.404 | 228 | 2593849 | 38.808 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.339 | 149 | 1476798 | 39.297 | ng/ul# | 100 |
| 87) Chrysene | 21.457 | 228 | 2487709 | 38.495 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.280 | 149 | 2641825 | 39.353 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.122 | 252 | 2841391 | 40.013 | ng/ul | 98 |
| 91) Benzo(k)fluoranthene | 23.169 | 252 | 2623690 | 39.482 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.763 | 252 | 2733692 | 39.733 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 26.427 | 276 | 3305040 | 40.328 | ng/ul | 98 |
| 95) Dibenzo(a,h)anthracene | 26.451 | 278 | 2833963 | 40.353 | ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 27.210 | 276 | 2846474 | 40.835 | ng/ul | 96 |

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