Quantitation Report (QT Reviewed)

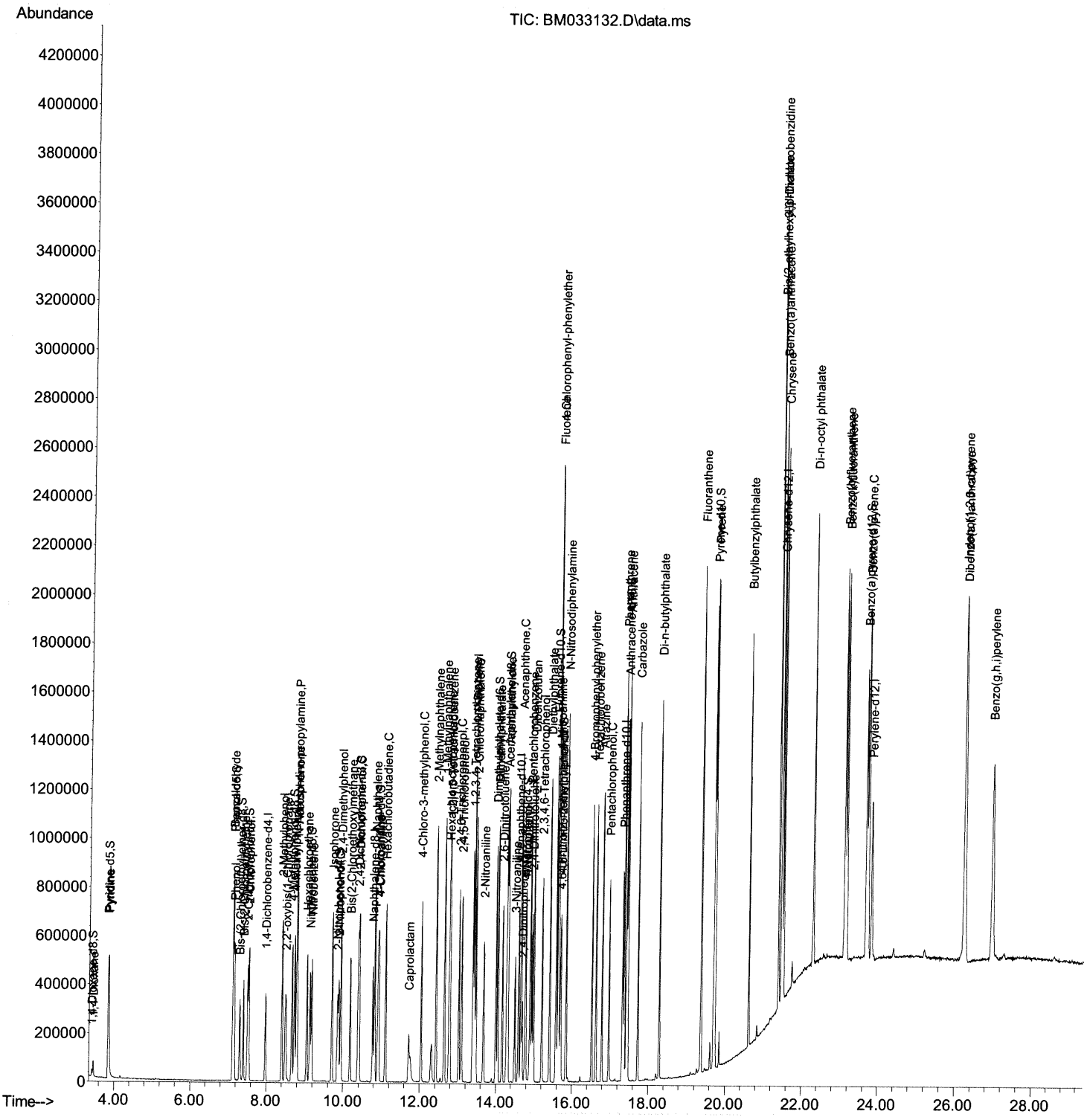
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111721\
Data File : BM033132.D
Acq On : 17 Nov 2021 22:47
Operator : CG/JU
Sample : PB140791BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 18 00:36:49 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM111721.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 17 14:14:11 2021
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SLCS791

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/26/2021



Quantitation Report (Qedit)

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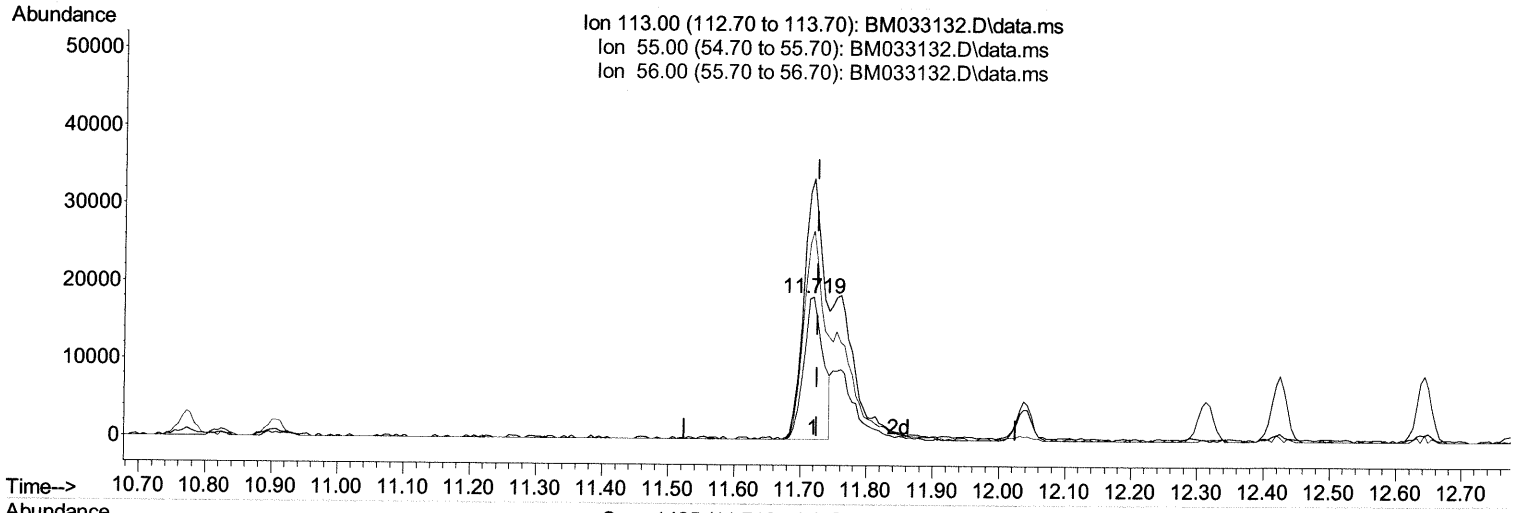


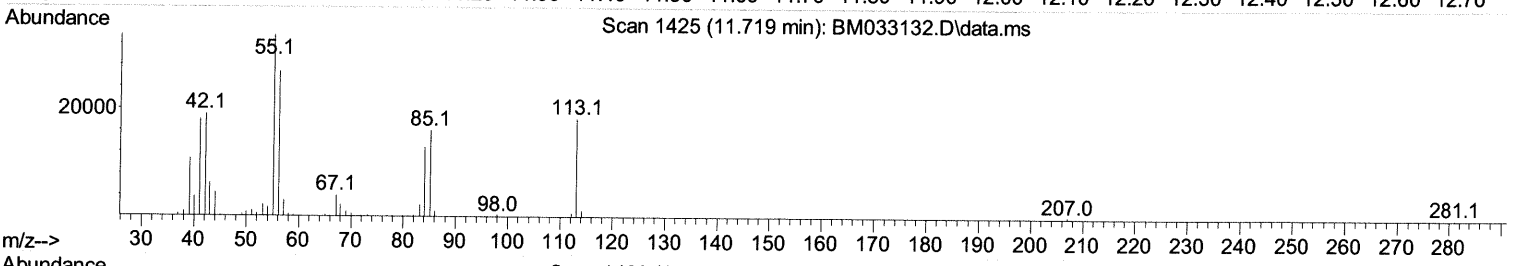


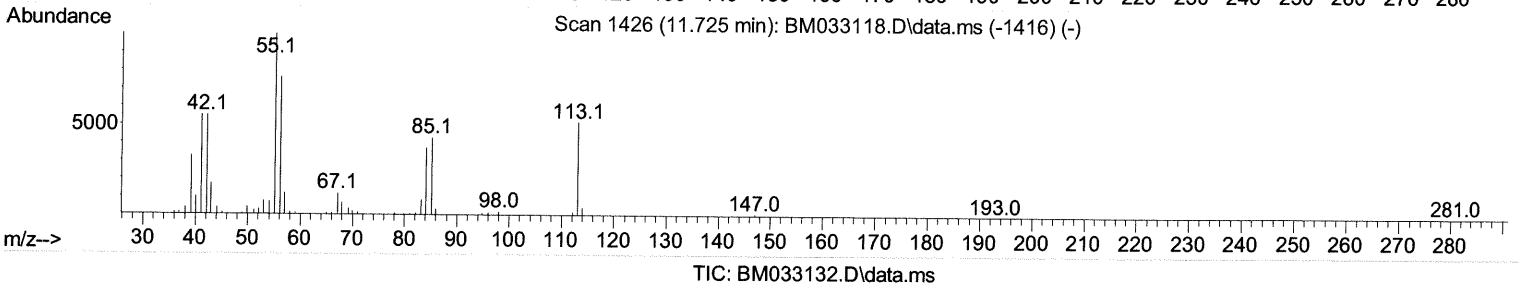


TIC: BM033132.D\data.ms

**(34) Caprolactam**

**11.719min (-0.006) 21.81 ng/ul**

**response 37434**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 196.60 | 183.30 |
| 56.00 | 147.80 | 146.81 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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Sample : PB140791BS
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Quant Time: Nov 18 00:36:49 2021
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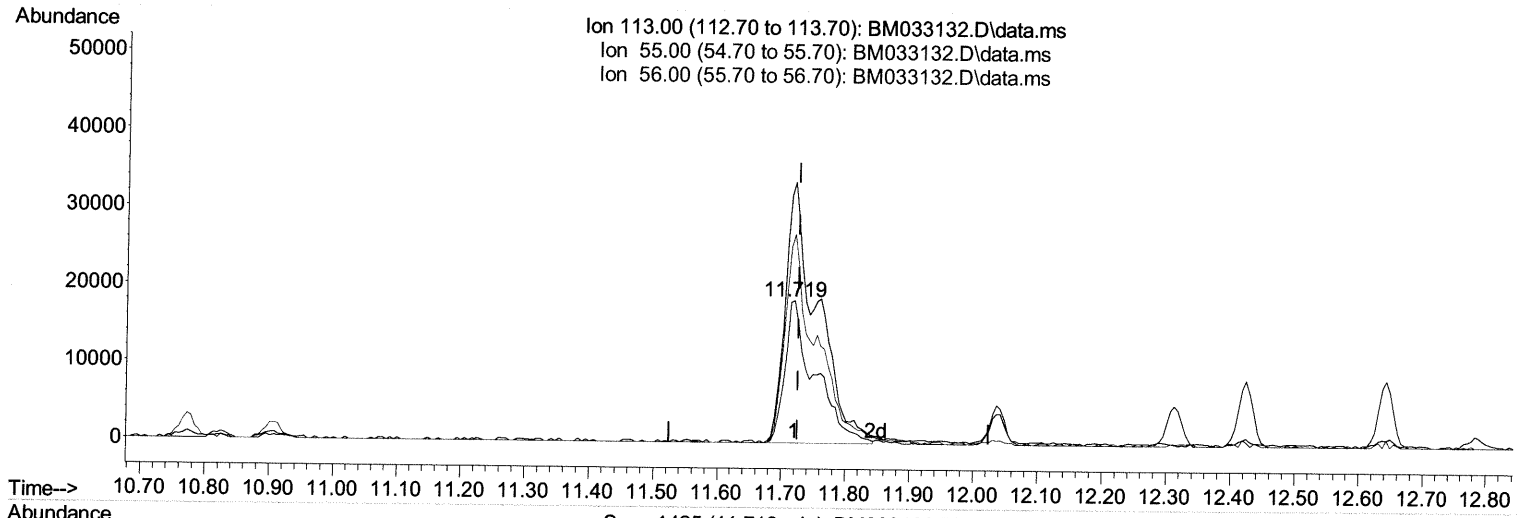
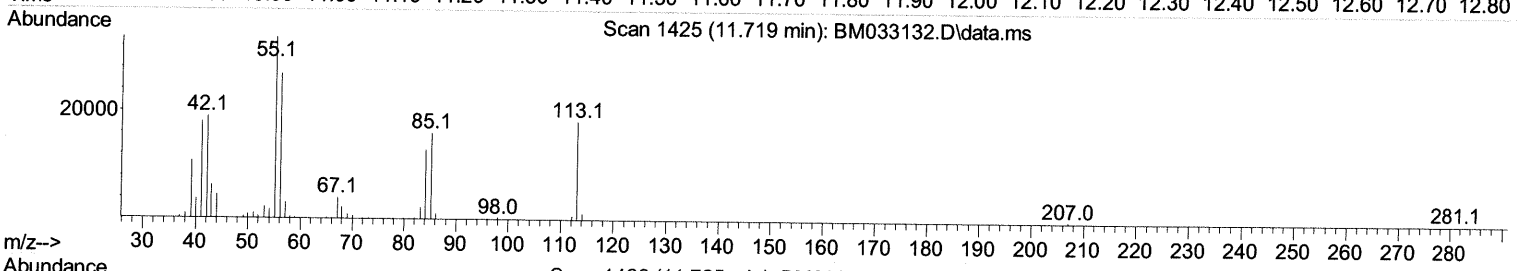
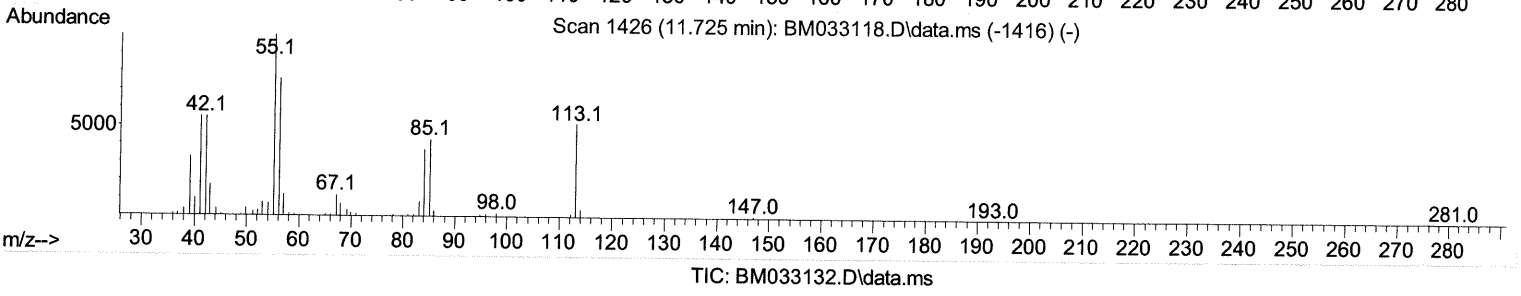
**Instrument :**
BNA_M
**ClientSampleId :**
SLCS791

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/26/2021




TIC: BM033132.D\data.ms

**(34) Caprolactam**

**11.719min (-0.006) 34.77 ng/ul m** 11/29/21 JU

**response 59671**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 196.60 | 183.30 |
| 56.00 | 147.80 | 146.81 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
BNA_M
**ClientSampleId :**
SLCS791

**Manual IntegrationsAPPROVED**

Reviewed By :Jagrut Upadhyay 11/18/2021
Supervised By :mohammad ahmed 11/26/2021

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.972 | 152 | 90441 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.772 | 136 | 373835 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.589 | 164 | 248974 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.324 | 188 | 530270 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.477 | 240 | 510950 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.830 | 264 | 495775 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.425 | 96 | 13922 | 5.934 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.843 | 84 | 201630 | 31.202 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.125 | 99 | 248244 | 32.450 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.301 | 67 | 157630 | 32.486 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.501 | 132 | 195911 | 33.811 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.672 | 113 | 198063 | 33.360 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.131 | 128 | 91721 | 34.173 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.854 | 143 | 95566 | 35.552 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.389 | 165 | 202676 | 32.925 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.907 | 131 | 239255 | 29.226 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 14.001 | 166 | 617156 | 33.795 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.289 | 160 | 764411 | 32.491 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.772 | 143 | 102597 | 34.490 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.577 | 176 | 539668 | 32.943 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.689 | 200 | 87555 | 35.134 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.424 | 188 | 843461 | 32.998 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.706 | 212 | 1010638 | 33.471 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.677 | 264 | 916948 | 34.462 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.460 | 88 | 30226 | 12.690 | ng/uL | 95 |
| 5) Pyridine | 3.860 | 79 | 210833 | 31.973 | ng/ul | 99 |
| 6) Benzaldehyde | 7.119 | 77 | 161519 | 37.046 | ng/ul | 99 |
| 8) Phenol | 7.154 | 94 | 265777 | 34.887 | ng/ul | 97 |
| 10) Bis(2-Chloroethyl)ether | 7.396 | 93 | 210662 | 34.811 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.537 | 128 | 211063 | 35.291 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.407 | 108 | 203811 | 34.924 | ng/ul | 98 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.495 | 45 | 329227 | 35.224 | ng/ul | 99 |
| 16) Acetophenone | 8.795 | 105 | 323537 | 34.525 | ng/ul | 98 |
| 17) N-Nitroso-di-n-propyla... | 8.784 | 70 | 179349 | 35.521 | ng/ul | 97 |
| 18) 4-Methylphenol | 8.731 | 108 | 217353 | 35.528 | ng/ul | 100 |
| 19) Hexachloroethane | 9.054 | 117 | 96005 | 35.238 | ng/ul | 92 |
| 22) Nitrobenzene | 9.178 | 77 | 262809 | 35.086 | ng/ul | 100 |
| 23) Isophorone | 9.707 | 82 | 477120 | 34.850 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.884 | 139 | 106250 | 37.291 | ng/ul | 96 |
| 26) 2,4-Dimethylphenol | 9.937 | 107 | 250359 | 33.443 | ng/ul | 99 |
| 27) Bis(2-Chloroethoxy)met... | 10.178 | 93 | 284317 | 34.897 | ng/ul | 98 |
| 29) 2,4-Dichlorophenol | 10.413 | 162 | 206232 | 34.550 | ng/ul | 96 |
| 30) Naphthalene | 10.825 | 128 | 670680 | 33.738 | ng/ul | 98 |
| 32) 4-Chloroaniline | 10.931 | 127 | 250736 | 30.319 | ng/ul | 98 |
| 33) Hexachlorobutadiene | 11.101 | 225 | 153442 | 33.001 | ng/ul | 98 |
| 34) Caprolactam | 11.719 | 113 | 59671m | > 34.772 | ng/ul | > 11/26/21 |
| 35) 4-Chloro-3-methylphenol | 12.036 | 107 | 232355 | 35.748 | ng/ul | 97 |

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**Manual IntegrationsAPPROVED**

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| Compound | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.425 | 142 | 475615 | 34.531 ng/ul | 99 |
| 37) 1-Methylnaphthalene | 12.642 | 142 | 479219 | 34.083 ng/ul | 98 |
| 39) 1,2,4,5-Tetrachloroben... | 12.789 | 216 | 278786 | 33.656 ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.766 | 237 | 180268 | 30.928 ng/ul | 100 |
| 41) 2,4,6-Trichlorophenol | 13.025 | 196 | 170015 | 34.851 ng/ul | 96 |
| 42) 2,4,5-Trichlorophenol | 13.095 | 196 | 187239 | 35.794 ng/ul | 97 |
| 43) 1,1'-Biphenyl | 13.430 | 154 | 652082 | 33.615 ng/ul | 97 |
| 44) 2-Chloronaphthalene | 13.472 | 162 | 500527 | 33.458 ng/ul | 99 |
| 45) 2-Nitroaniline | 13.672 | 65 | 153938 | 39.040 ng/ul | 99 |
| 47) Dimethylphthalate | 14.048 | 163 | 630726 | 35.436 ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.166 | 165 | 121949 | 40.045 ng/ul | 94 |
| 50) Acenaphthylene | 14.313 | 152 | 808042 | 33.846 ng/ul | 99 |
| 51) 3-Nitroaniline | 14.495 | 138 | 108053 | 35.215 ng/ul# | 92 |
| 52) Acenaphthene | 14.654 | 153 | 531427 | 34.122 ng/ul | 98 |
| 53) 2,4-Dinitrophenol | 14.695 | 184 | 58561 | 37.675 ng/ul | 93 |
| 55) 4-Nitrophenol | 14.789 | 109 | 110404 | 36.338 ng/ul | 95 |
| 56) Dibenzofuran | 14.989 | 168 | 774588 | 33.934 ng/ul | 100 |
| 57) 2,4-Dinitrotoluene | 14.948 | 165 | 173269 | 41.371 ng/ul | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.207 | 232 | 159210 | 37.287 ng/ul | 99 |
| 59) Diethylphthalate | 15.407 | 149 | 646930 | 36.289 ng/ul | 99 |
| 61) Fluorene | 15.636 | 166 | 627947 | 34.610 ng/ul | 98 |
| 62) 4-Chlorophenyl-phenyle... | 15.630 | 204 | 326088 | 34.435 ng/ul | 100 |
| 63) 4-Nitroaniline | 15.648 | 138 | 119893 | 39.737 ng/ul | 97 |
| 66) 4,6-Dinitro-2-methylph... | 15.701 | 198 | 93999 | 37.634 ng/ul | 96 |
| 67) N-Nitrosodiphenylamine | 15.842 | 169 | 549027 | 35.203 ng/ul | 99 |
| 68) 4-Bromophenyl-phenylether | 16.518 | 248 | 206394 | 35.001 ng/ul | 97 |
| 69) Hexachlorobenzene | 16.630 | 284 | 236263 | 34.973 ng/ul | 98 |
| 70) Atrazine | 16.789 | 200 | 207997 | 34.514 ng/ul | 99 |
| 71) Pentachlorophenol | 16.971 | 266 | 138075 | 35.359 ng/ul | 96 |
| 72) Phenanthrene | 17.371 | 178 | 1032750 | 35.160 ng/ul | 99 |
| 74) Anthracene | 17.460 | 178 | 1031532 | 35.019 ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.389 | 216 | 280785 | 32.237 ng/uL | 97 |
| 76) Pentachlorobenzene | 14.907 | 250 | 276447 | 32.375 ng/uL | 99 |
| 77) Carbazole | 17.724 | 167 | 934982 | 35.730 ng/ul | 99 |
| 78) Di-n-butylphthalate | 18.289 | 149 | 1104896 | 38.614 ng/ul | 100 |
| 80) Fluoranthene | 19.371 | 202 | 1245387 | 35.207 ng/ul | 99 |
| 82) Pyrene | 19.736 | 202 | 1264084 | 35.195 ng/ul | 100 |
| 83) Butylbenzylphthalate | 20.618 | 149 | 472532 | 38.508 ng/ul | 99 |
| 84) 3,3'-Dichlorobenzidine | 21.395 | 252 | 383987 | 33.358 ng/ul | 97 |
| 85) Benzo(a)anthracene | 21.465 | 228 | 1195719 | 36.181 ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.389 | 149 | 685486 | 39.411 ng/ul | 100 |
| 87) Chrysene | 21.518 | 228 | 1165088 | 36.101 ng/ul | 98 |
| 89) Di-n-octyl phthalate | 22.300 | 149 | 1147211 | 37.977 ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.118 | 252 | 1248315 | 37.386 ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.165 | 252 | 1114198 | 36.427 ng/ul | 98 |
| 93) Benzo(a)pyrene | 23.730 | 252 | 1161457 | 36.806 ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 26.235 | 276 | 1272969 | 36.225 ng/ul | 96 |
| 95) Dibenzo(a,h)anthracene | 26.253 | 278 | 1087915 | 36.187 ng/ul | 98 |
| 96) Benzo(g,h,i)perylene | 26.977 | 276 | 1107034 | 36.296 ng/ul | 98 |

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