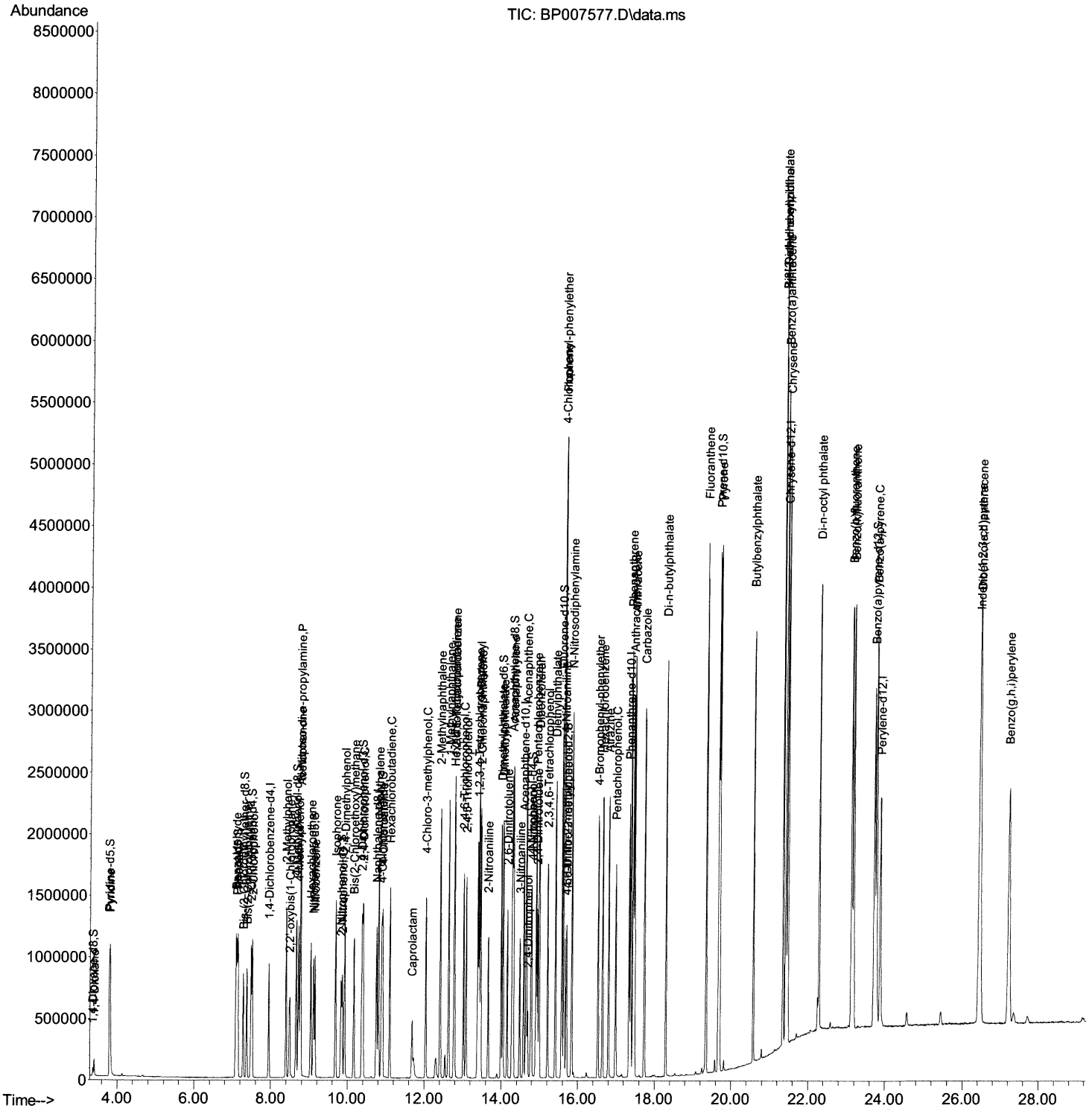
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102121\
Data File : BP007577.D
Acq On : 22 Oct 2021 07:05
Operator : CG/JU
Sample : PB140021BS
Misc :
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Oct 22 07:32:49 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP101421.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 20 10:49:33 2021
Response via : Initial Calibration

**Instrument :**
BNA_P
**ClientSampleId :**
SLCS021

**Manual Integrations APPROVED**
mohammad
10/22/2021 2:55:06 PM



Quantitation Report (Qedit)

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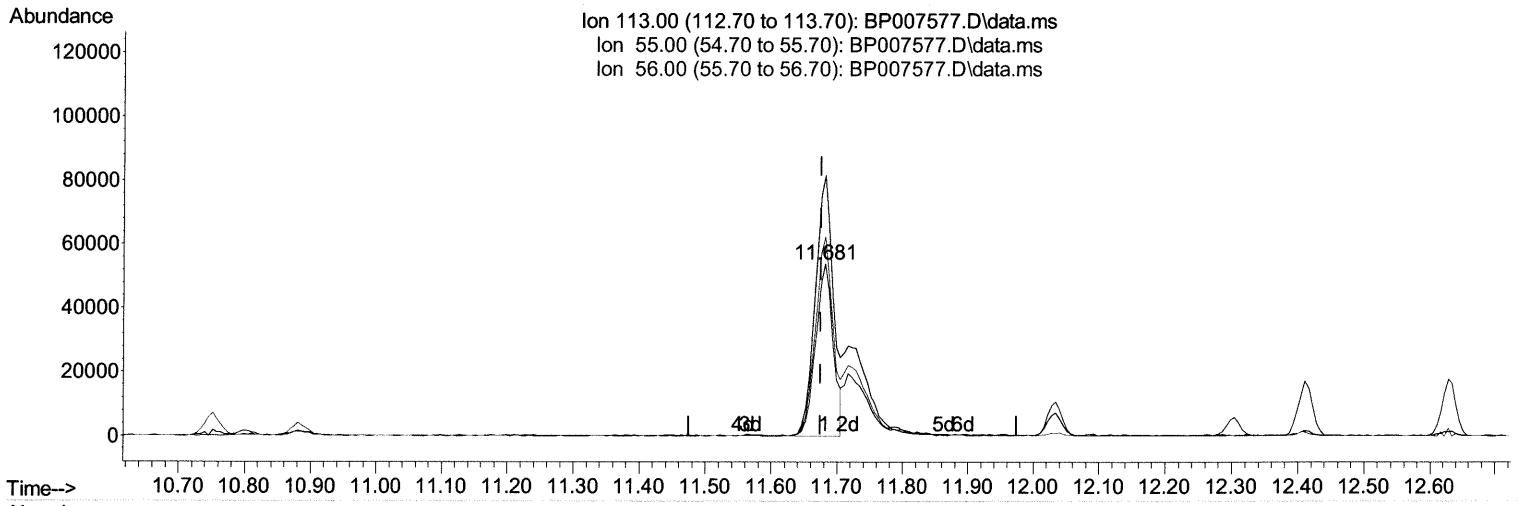
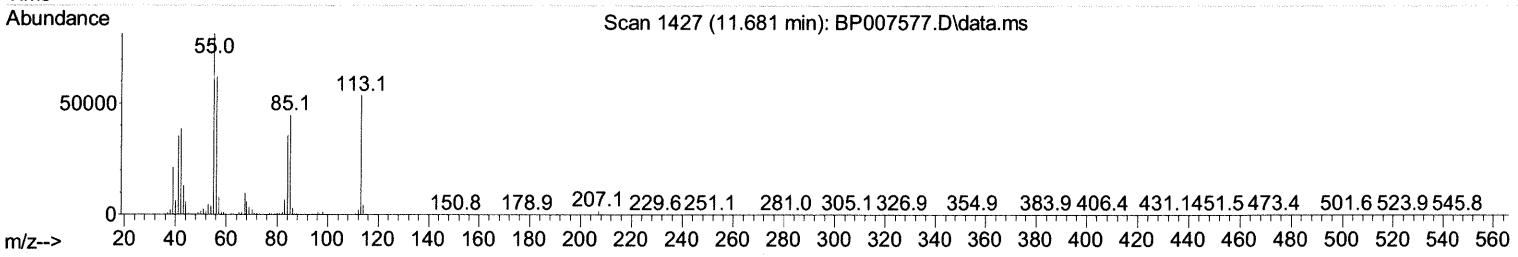
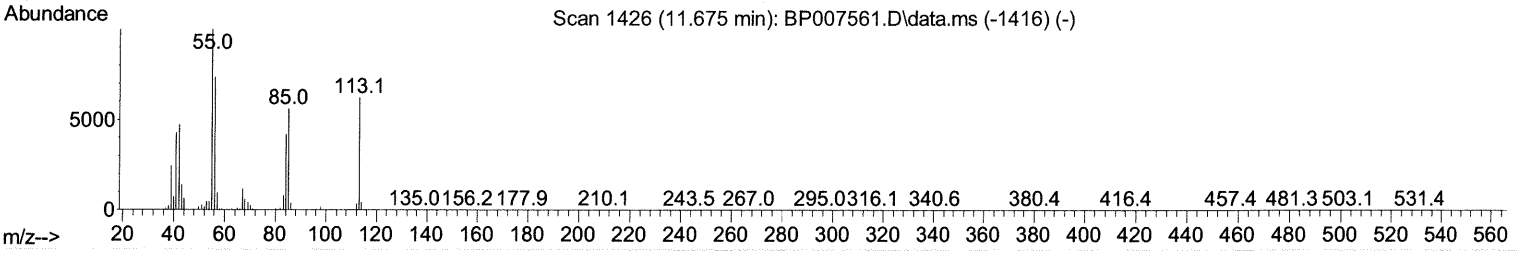
10/22/2021 2:55:06 PM




TIC: BP007577.D\data.ms

**(34) Caprolactam**

**11.681min (+ 0.006) 26.34 ng/ul**

**response 100115**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 162.60 | 151.41 |
| 56.00 | 120.30 | 115.88 |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

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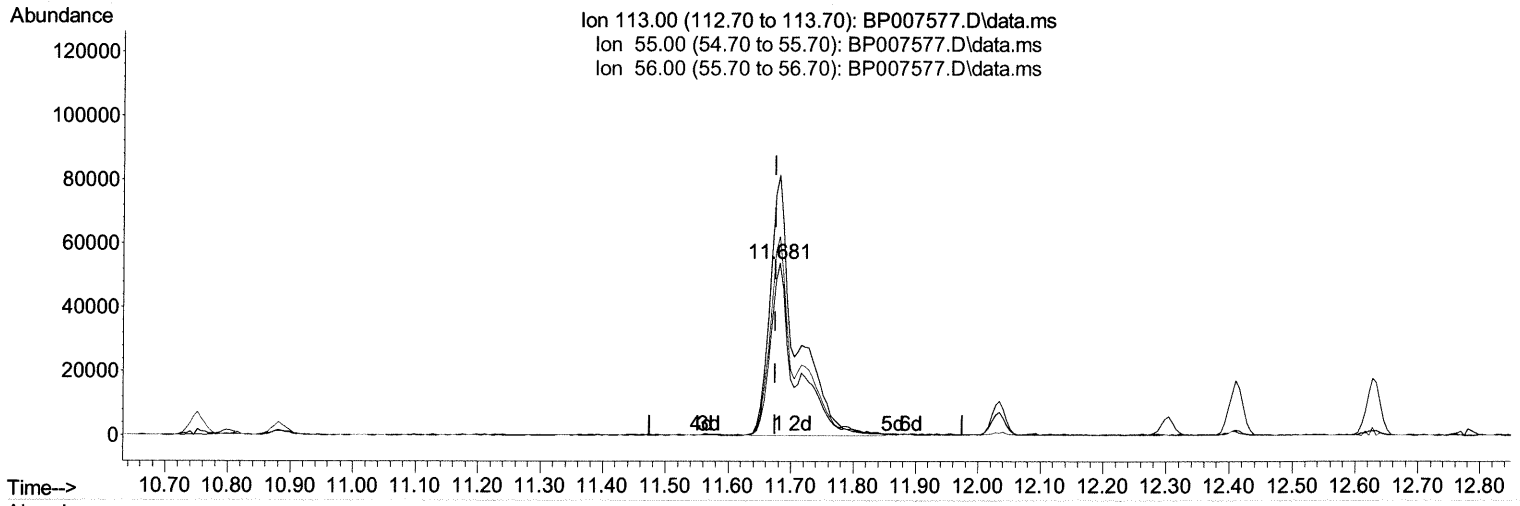
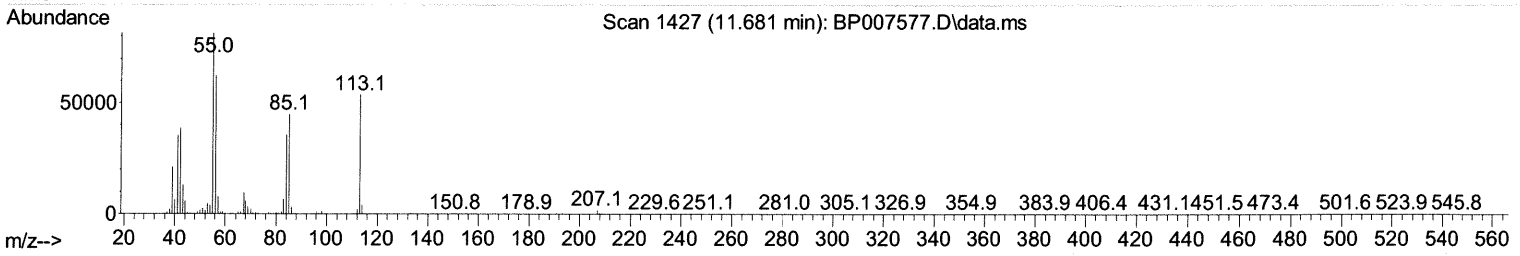
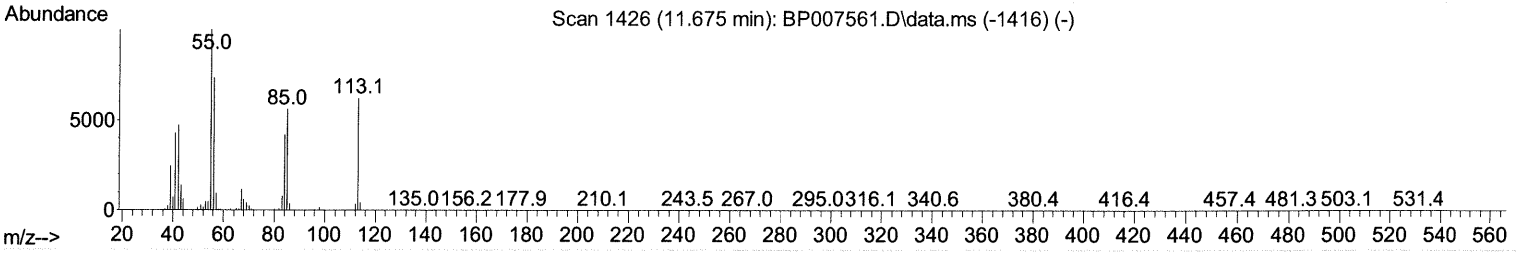
**Instrument :**
BNA_P
**ClientSampleId :**
SLCS021

**Manual Integrations APPROVED**
mohammad
10/22/2021 2:55:06 PM




TIC: BP007577.D\data.ms

**(34) Caprolactam**

**11.681min (+ 0.006) 40.02 ng/ul m** 10/22/21 JU

**response 152138**

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 162.60 | 151.41 |
| 56.00 | 120.30 | 115.88 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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Sample : PB140021BS
Misc :
ALS Vial : 38 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 20 10:49:33 2021
Response via : Initial Calibration

**Instrument :** BNA_P
**ClientSampleId :** SLCS021

**Manual Integrations APPROVED**
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10/22/2021 2:55:06 PM

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.946 | 152 | 253509 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.752 | 136 | 1022606 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.581 | 164 | 647833 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.334 | 188 | 1373521 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.422 | 240 | 1346967 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.874 | 264 | 1434354 | 20.000 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.375 | 96 | 33401 | 5.204 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.787 | 84 | 495939 | 28.226 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.111 | 99 | 628367 | 31.739 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.275 | 67 | 358724 | 30.379 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.475 | 132 | 499599 | 32.078 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.658 | 113 | 499979 | 32.786 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.105 | 128 | 241583 | 37.330 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.828 | 143 | 257358 | 42.575 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.369 | 165 | 502250 | 34.065 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.881 | 131 | 611214 | 30.656 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.993 | 166 | 1419400 | 31.669 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.275 | 160 | 1756845 | 31.190 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.775 | 143 | 261806 | 36.404 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.575 | 176 | 1212923 | 32.338 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.692 | 200 | 195023 | 35.435 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.434 | 188 | 1843841 | 31.610 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.669 | 212 | 2239783 | 33.262 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.716 | 264 | 2256680 | 31.619 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.411 | 88 | 69170 | 9.907 | ng/uL | 90 |
| 5) Pyridine | 3.811 | 79 | 496727 | 29.231 | ng/ul | 97 |
| 6) Benzaldehyde | 7.081 | 77 | 376727 | 33.867 | ng/ul | 97 |
| 8) Phenol | 7.134 | 94 | 629123 | 31.081 | ng/ul | 99 |
| 10) Bis(2-Chloroethyl)ether | 7.369 | 93 | 495517 | 30.333 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.511 | 128 | 501055 | 31.337 | ng/ul | 97 |
| 13) 2-Methylphenol | 8.387 | 108 | 472160 | 30.967 | ng/ul | 98 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.487 | 45 | 581846 | 27.950 | ng/ul | 98 |
| 16) Acetophenone | 8.769 | 105 | 717972 | 30.777 | ng/ul | 97 |
| 17) N-Nitroso-di-n-propyla... | 8.763 | 70 | 348798 | 28.901 | ng/ul | 94 |
| 18) 4-Methylphenol | 8.716 | 108 | 503683 | 31.015 | ng/ul | 99 |
| 19) Hexachloroethane | 9.034 | 117 | 199850 | 29.853 | ng/ul | 94 |
| 22) Nitrobenzene | 9.146 | 77 | 539013 | 32.440 | ng/ul | 96 |
| 23) Isophorone | 9.681 | 82 | 1018797 | 29.288 | ng/ul | 98 |
| 25) 2-Nitrophenol | 9.863 | 139 | 271268 | 38.715 | ng/ul | 93 |
| 26) 2,4-Dimethylphenol | 9.928 | 107 | 544766 | 30.451 | ng/ul | 98 |
| 27) Bis(2-Chloroethoxy)met... | 10.163 | 93 | 647561 | 30.044 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.399 | 162 | 481457 | 33.223 | ng/ul | 98 |
| 30) Naphthalene | 10.804 | 128 | 1505932 | 30.280 | ng/ul | 100 |
| 32) 4-Chloroaniline | 10.904 | 127 | 608707 | 30.172 | ng/ul | 100 |
| 33) Hexachlorobutadiene | 11.099 | 225 | 335337 | 32.959 | ng/ul | 100 |
| 34) Caprolactam | 11.681 | 113 | 152138m | > 40.022 | ng/ul | > 10/22/21 JU |
| 35) 4-Chloro-3-methylphenol | 12.034 | 107 | 514473 | 32.680 | ng/ul | 96 |

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**Instrument :** BNA_P
**ClientSampleId :** SLCS021

**Manual Integrations APPROVED**
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10/22/2021 2:55:06 PM

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.410 | 142 | 1042927 | 30.683 | ng/ul | 97 |
| 37) 1-Methylnaphthalene | 12.628 | 142 | 1048924 | 30.484 | ng/ul | 100 |
| 39) 1,2,4,5-Tetrachloroben... | 12.781 | 216 | 606516 | 32.389 | ng/ul | 99 |
| 40) Hexachlorocyclopentadiene | 12.769 | 237 | 294341 | 24.928 | ng/ul | 97 |
| 41) 2,4,6-Trichlorophenol | 13.016 | 196 | 396479 | 36.007 | ng/ul | 98 |
| 42) 2,4,5-Trichlorophenol | 13.087 | 196 | 430228 | 37.529 | ng/ul | 99 |
| 43) 1,1'-Biphenyl | 13.422 | 154 | 1394480 | 30.200 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.457 | 162 | 1078415 | 30.322 | ng/ul | 99 |
| 45) 2-Nitroaniline | 13.657 | 65 | 304819 | 36.864 | ng/ul | 94 |
| 47) Dimethylphthalate | 14.040 | 163 | 1358591 | 30.518 | ng/ul | 99 |
| 48) 2,6-Dinitrotoluene | 14.151 | 165 | 281792 | 38.171 | ng/ul | 94 |
| 50) Acenaphthylene | 14.304 | 152 | 1713181 | 30.167 | ng/ul | 100 |
| 51) 3-Nitroaniline | 14.481 | 138 | 289613 | 35.208 | ng/ul# | 95 |
| 52) Acenaphthene | 14.645 | 153 | 1108257 | 30.137 | ng/ul | 99 |
| 53) 2,4-Dinitrophenol | 14.687 | 184 | 122784 | 36.005 | ng/ul | 93 |
| 55) 4-Nitrophenol | 14.787 | 109 | 215858 | 33.223 | ng/ul | 96 |
| 56) Dibenzofuran | 14.981 | 168 | 1625790 | 30.447 | ng/ul | 98 |
| 57) 2,4-Dinitrotoluene | 14.940 | 165 | 406218 | 39.176 | ng/ul | 94 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.210 | 232 | 356879 | 37.515 | ng/ul | 96 |
| 59) Diethylphthalate | 15.410 | 149 | 1351847 | 30.455 | ng/ul | 99 |
| 61) Fluorene | 15.634 | 166 | 1237064 | 30.577 | ng/ul | 100 |
| 62) 4-Chlorophenyl-phenyle... | 15.628 | 204 | 644146 | 31.270 | ng/ul | 99 |
| 63) 4-Nitroaniline | 15.645 | 138 | 281197 | 38.560 | ng/ul | 99 |
| 66) 4,6-Dinitro-2-methylph... | 15.704 | 198 | 194681 | 34.196 | ng/ul | 96 |
| 67) N-Nitrosodiphenylamine | 15.839 | 169 | 1124317 | 30.404 | ng/ul | 100 |
| 68) 4-Bromophenyl-phenylether | 16.528 | 248 | 423529 | 34.231 | ng/ul | 95 |
| 69) Hexachlorobenzene | 16.645 | 284 | 484021 | 32.522 | ng/ul | 97 |
| 70) Atrazine | 16.798 | 200 | 430463 | 30.749 | ng/ul | 99 |
| 71) Pentachlorophenol | 16.986 | 266 | 302022 | 36.659 | ng/ul | 99 |
| 72) Phenanthrene | 17.381 | 178 | 2094740 | 30.507 | ng/ul | 100 |
| 74) Anthracene | 17.469 | 178 | 2060484 | 30.003 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.387 | 216 | 611026 | 30.671 | ng/uL | 99 |
| 76) Pentachlorobenzene | 14.904 | 250 | 575119 | 30.969 | ng/uL | 99 |
| 77) Carbazole | 17.734 | 167 | 1935462 | 32.084 | ng/ul | 100 |
| 78) Di-n-butylphthalate | 18.298 | 149 | 2316012 | 31.252 | ng/ul | 99 |
| 80) Fluoranthene | 19.345 | 202 | 2601448 | 31.136 | ng/ul | 98 |
| 82) Pyrene | 19.698 | 202 | 2584927 | 30.680 | ng/ul | 97 |
| 83) Butylbenzylphthalate | 20.575 | 149 | 1065210 | 34.436 | ng/ul | 97 |
| 84) 3,3'-Dichlorobenzidine | 21.339 | 252 | 826321 | 32.243 | ng/ul# | 98 |
| 85) Benzo(a)anthracene | 21.410 | 228 | 2598404 | 31.397 | ng/ul | 99 |
| 86) Bis(2-ethylhexyl)phtha... | 21.339 | 149 | 1497644 | 31.668 | ng/ul | 99 |
| 87) Chrysene | 21.463 | 228 | 2492986 | 31.095 | ng/ul | 99 |
| 89) Di-n-octyl phthalate | 22.286 | 149 | 2680852 | 33.123 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.127 | 252 | 2815733 | 32.253 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.174 | 252 | 2504360 | 30.765 | ng/ul | 99 |
| 93) Benzo(a)pyrene | 23.763 | 252 | 2661638 | 31.873 | ng/ul | 99 |
| 94) Indeno(1,2,3-cd)pyrene | 26.433 | 276 | 3110783 | 32.156 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 26.457 | 278 | 2653243 | 32.209 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 27.221 | 276 | 2687155 | 32.253 | ng/ul | 97 |

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