Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
Data File : BN011423.D
Acq On : 14 Aug 2020 11:22
Operator : CG/JU
Sample : SSTD01052
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 14 14:06:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 14 13:27:12 2020
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD01052

**Manual Integrations APPROVED**
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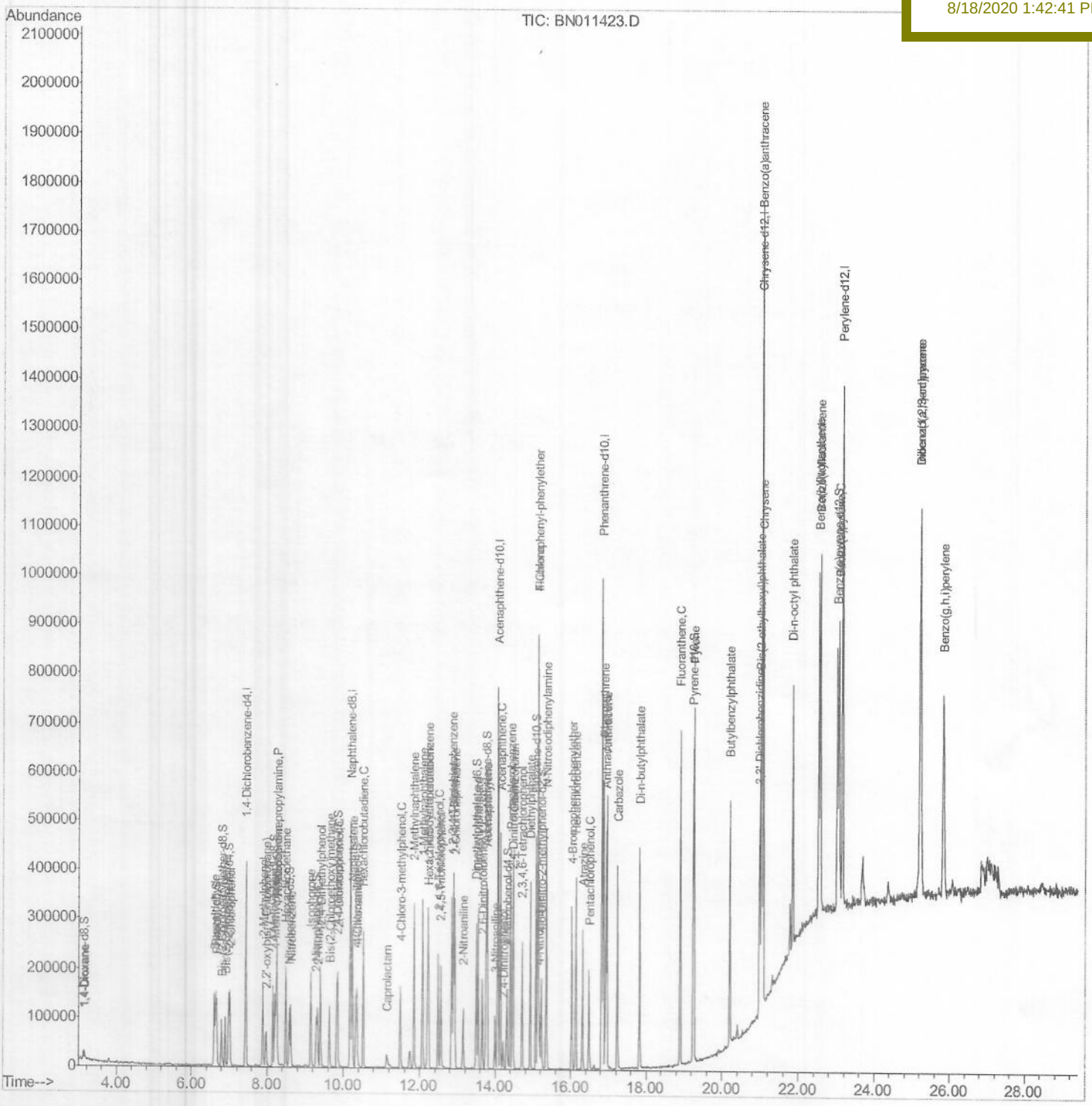
8/18/2020 1:42:41 PM



Quantitation Report (Qedit)

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Acq On : 14 Aug 2020 11:22
Operator : CG/JU
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Misc :
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Quant Time: Aug 14 13:36:49 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
Quant Title : SVOA CALIBRATION
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**ClientSampleId :**
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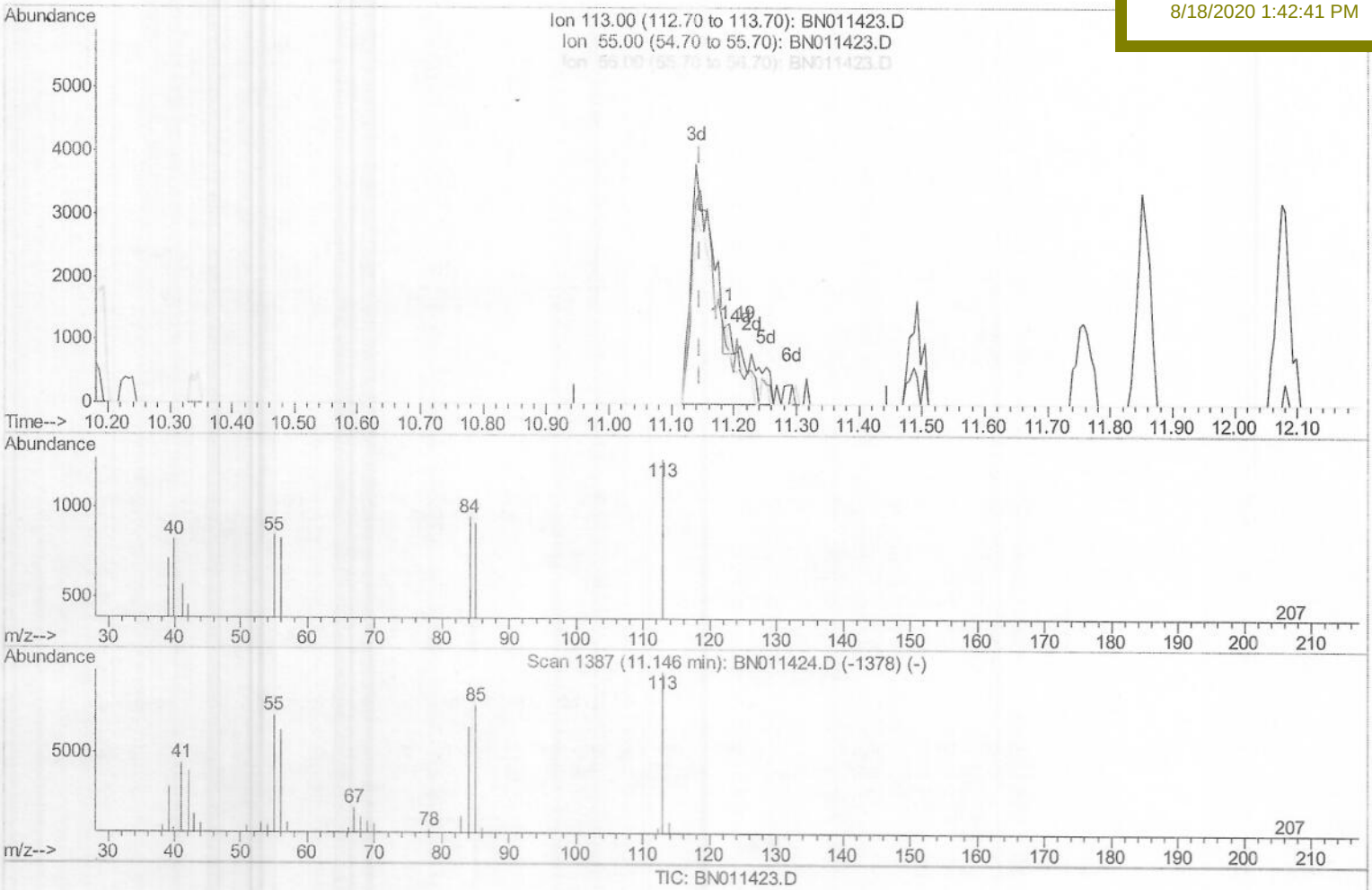








TIC: BN011423.D

(32) Caprolactam

11.193min (+0.047) 0.16ng/ul

response 316

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 72.60 | 67.19 |
| 56.00 | 63.90 | 65.85 |
| 0.00 | 0.00 | 0.00 |

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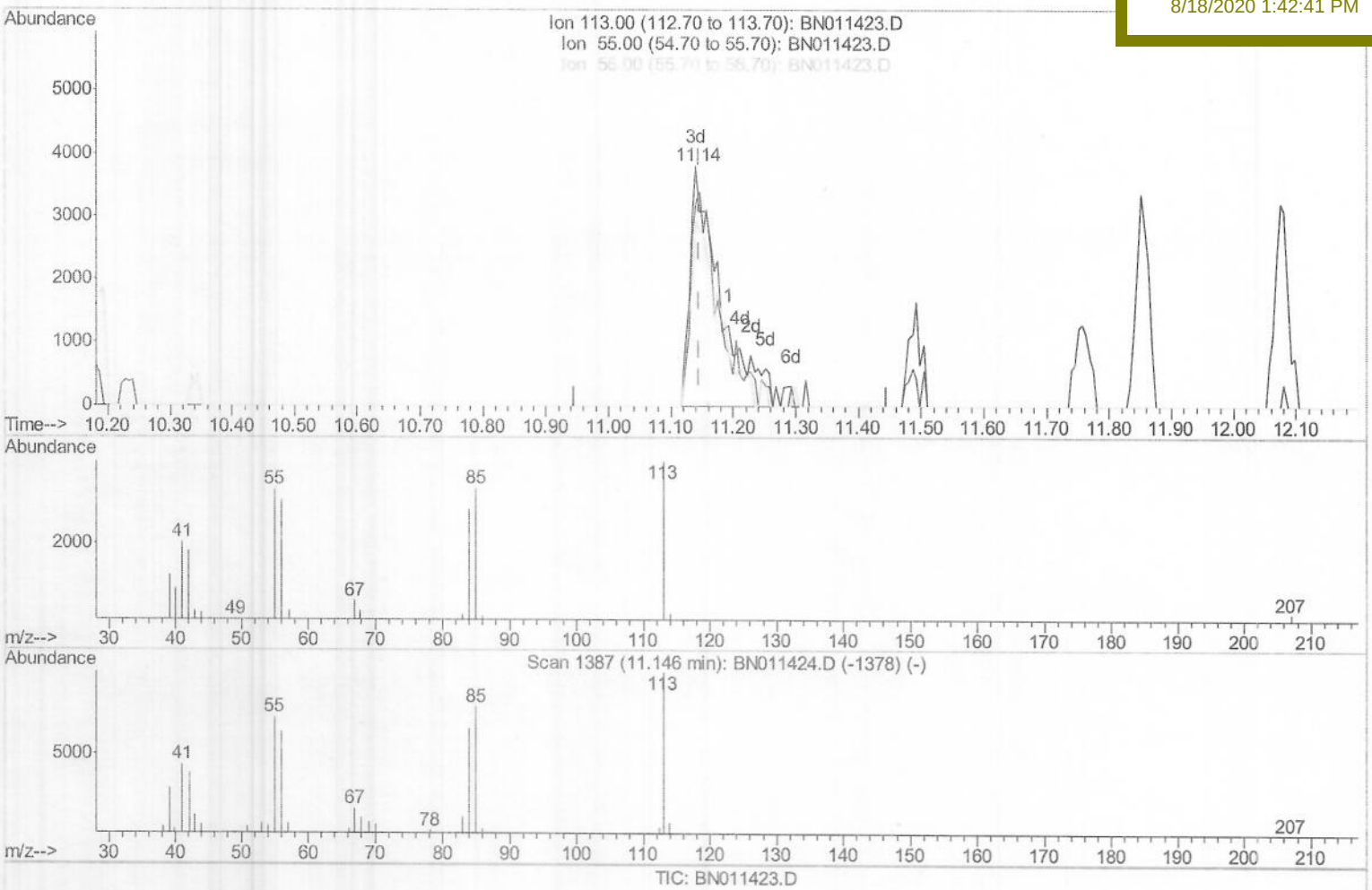


TIC: BN011423.D

(32) Caprolactam

11.140min (-0.006) 6.65ng/ul m > 08/24/20 JU

response 12769

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 72.60 | 83.94 |
| 56.00 | 63.90 | 77.67# |
| 0.00 | 0.00 | 0.00 |

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**ClientSampleId :**
SSTD01052

**Manual Integrations APPROVED**
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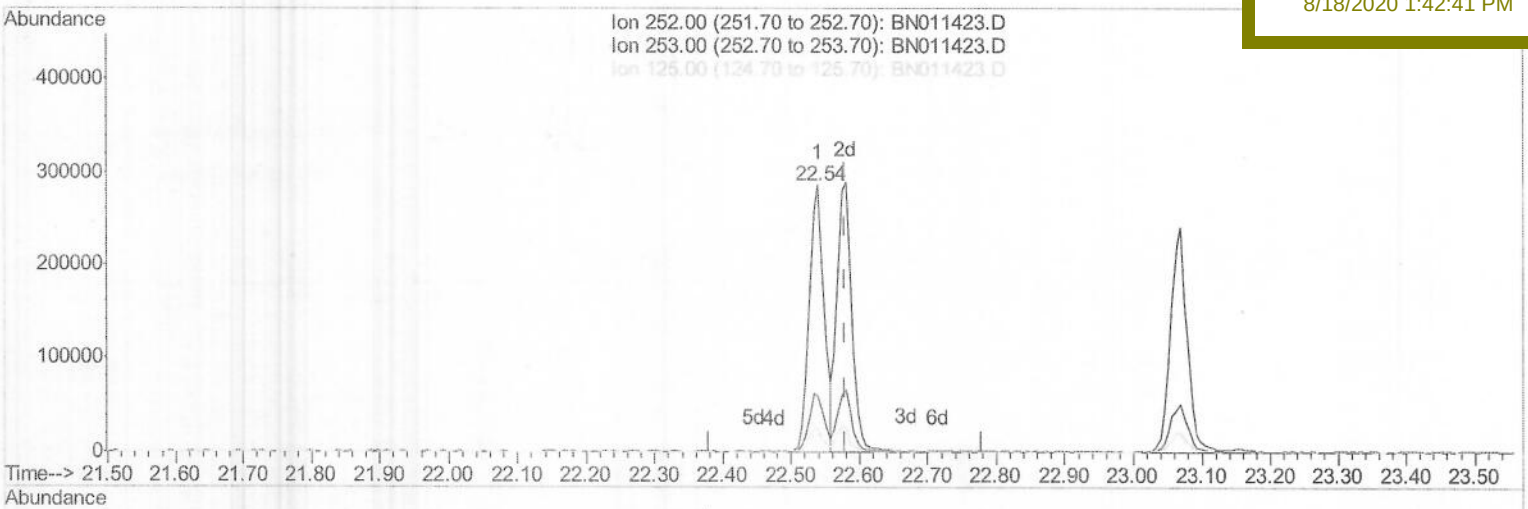


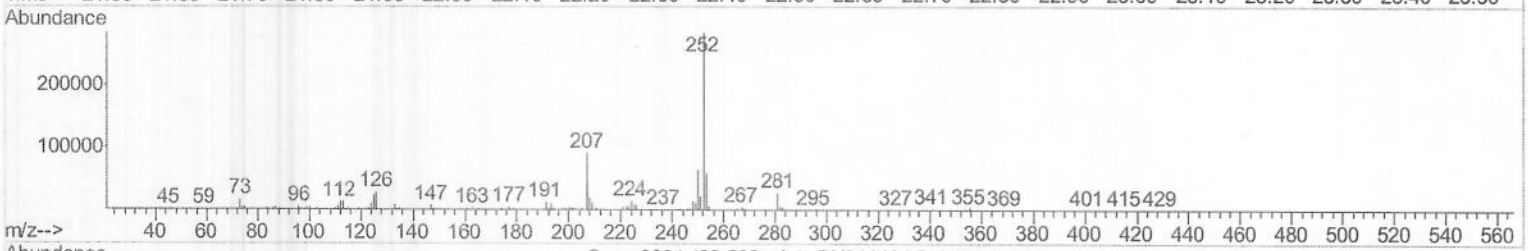


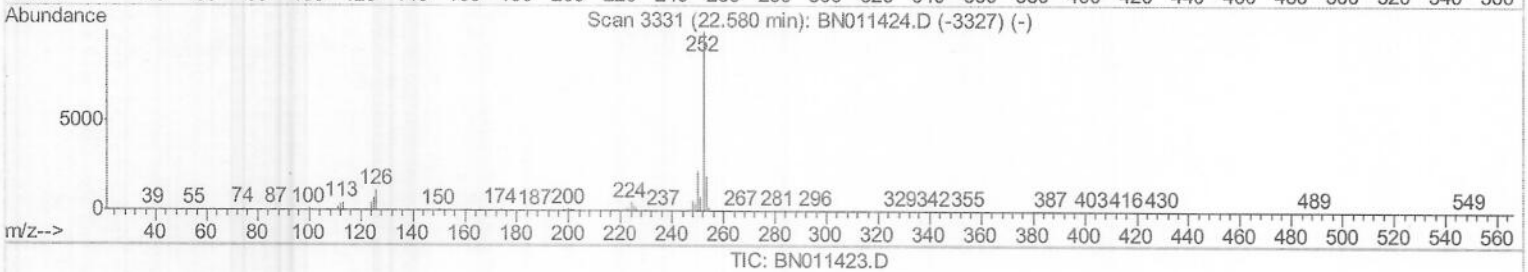


TIC: BN011423.D

(89) Benzo(k)fluoranthene

22.539min (-0.041) 9.83ng/ul

response 430075

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 19.70 | 20.90 |
| 125.00 | 7.50 | 8.11 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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Misc :
ALS Vial : 3 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 14 13:27:12 2020
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD01052

**Manual Integrations APPROVED**
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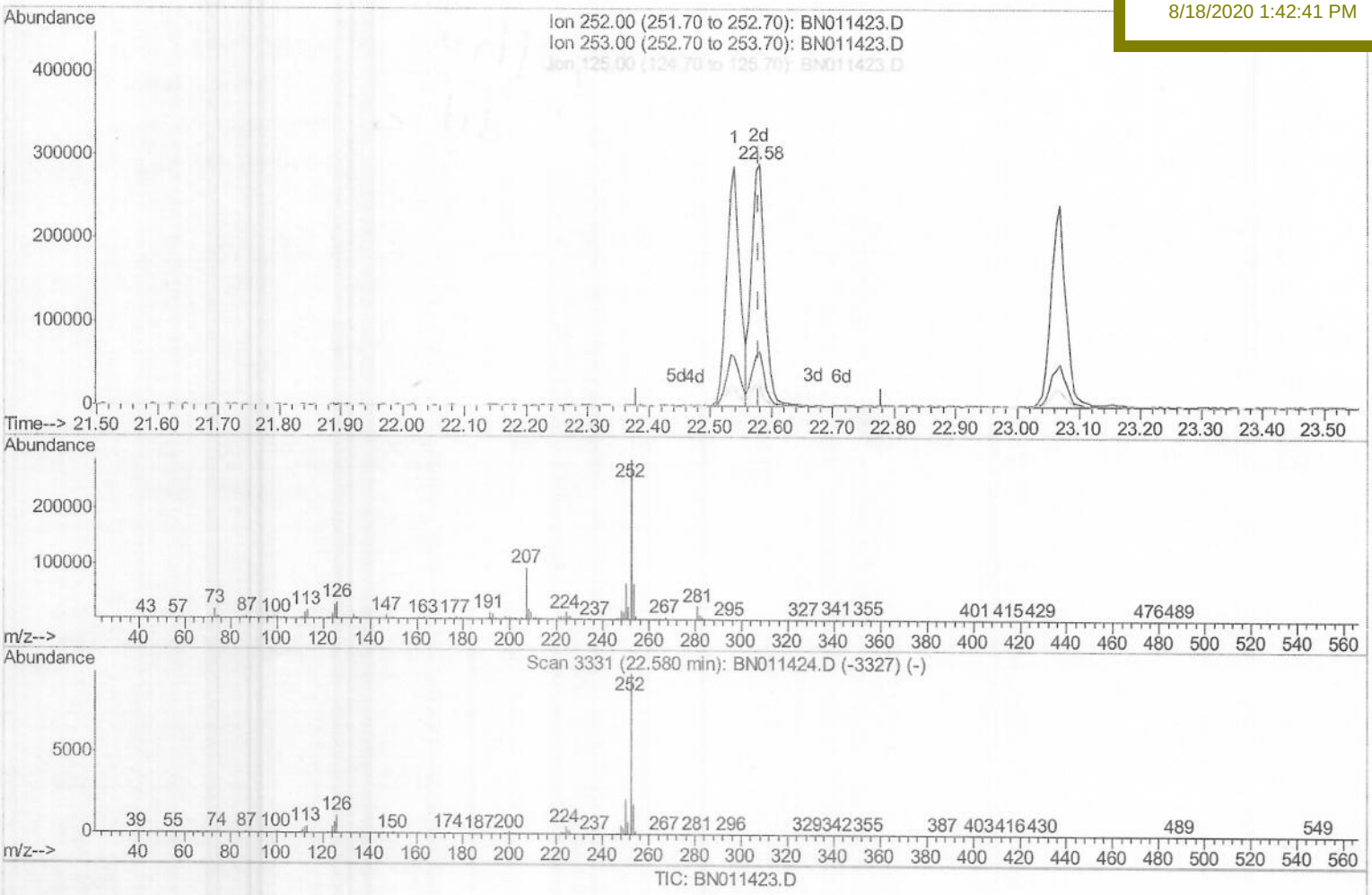





TIC: BN011423.D

(89) Benzo(k)fluoranthene

22.580min (-0.000) 9.98ng/ul m > 08/24/20 JV

response 436562

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 19.70 | 22.62 |
| 125.00 | 7.50 | 9.01# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 14 13:27:12 2020
Response via : Initial Calibration

**Instrument :** BNA_N
**ClientSampleId :** SSTD01052

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.44 | 152 | 113039 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.19 | 136 | 409502 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.07 | 164 | 262094 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 16.83 | 188 | 584020 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.04 | 240 | 637757 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.16 | 264 | 634223 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.12 | 96 | 9247 | 3.13 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.64 | 99 | 77156 | 8.59 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.80 | 67 | 40381 | 8.41 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 6.98 | 132 | 68597 | 8.74 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.15 | 113 | 61770 | 8.33 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.58 | 128 | 30613 | 9.20 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.29 | 143 | 34818 | 9.86 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.82 | 165 | 65395 | 9.54 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.33 | 131 | 75255 | 10.42 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.50 | 166 | 198721 | 9.35 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.76 | 160 | 237807 | 9.43 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.30 | 143 | 28304 | 7.45 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.07 | 176 | 179165 | 9.53 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.21 | 200 | 29170 | 8.19 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 16.92 | 188 | 275638 | 9.70 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.23 | 212 | 313999 | 9.87 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.02 | 264 | 336451 | 9.79 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.15 | 88 | 13366 | 4.283 | ng/uL# | 90 |
| 4) Benzaldehyde | 6.61 | 77 | 57368 | 12.557 | ng/ul | 96 |
| 6) Phenol | 6.67 | 94 | 76655 | 7.782 | ng/ul | 92 |
| 8) Bis(2-Chloroethyl)ether | 6.89 | 93 | 61140 | 8.404 | ng/ul | 96 |
| 10) 2-Chlorophenol | 7.02 | 128 | 71148 | 8.349 | ng/ul | 98 |
| 11) 2-Methylphenol | 7.89 | 108 | 56190 | 7.650 | ng/ul | 99 |
| 12) 2,2'-oxybis(1-Chloropropan | 7.97 | 45 | 35696 | 7.337 | ng/ul# | 91 |
| 14) Acetophenone | 8.25 | 105 | 100791 | 7.957 | ng/ul | 97 |
| 15) N-Nitroso-di-n-propylamine | 8.25 | 70 | 44463 | 6.881 | ng/ul# | 98 |
| 16) 4-Methylphenol | 8.21 | 108 | 63884 | 7.882 | ng/ul | 91 |
| 17) Hexachloroethane | 8.49 | 117 | 35076 | 9.458 | ng/ul | 92 |
| 20) Nitrobenzene | 8.62 | 77 | 79458 | 9.202 | ng/ul | 98 |
| 21) Isophorone | 9.14 | 82 | 144488 | 9.791 | ng/ul | 96 |
| 23) 2-Nitrophenol | 9.32 | 139 | 42132 | 10.593 | ng/ul | 96 |
| 24) 2,4-Dimethylphenol | 9.39 | 107 | 72345 | 8.723 | ng/ul | 95 |
| 25) Bis(2-Chloroethoxy)methane | 9.63 | 93 | 78666 | 8.807 | ng/ul | 94 |
| 27) 2,4-Dichlorophenol | 9.85 | 162 | 68585 | 9.601 | ng/ul | 99 |
| 28) Naphthalene | 10.23 | 128 | 228126 | 9.503 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.36 | 127 | 75110 | 9.962 | ng/ul | 94 |
| 31) Hexachlorobutadiene | 10.53 | 225 | 56946 | 11.513 | ng/ul | 94 |
| 32) Caprolactam | 11.14 | 113 | 12769m | 6.655 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.49 | 107 | 64088 | 8.364 | ng/ul | 96 |
| 34) 2-Methylnaphthalene | 11.85 | 142 | 159890 | 9.185 | ng/ul | 93 |

08/24/20 JU

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**Instrument :** BNA_N
**ClientSampleId :** SSTD01052

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 35) 1-Methylnaphthalene | 12.07 | 142 | 157622 | 9.746 | ng/uL | 100 |
| 37) 1,2,4,5-Tetrachlorobenzene | 12.23 | 216 | 91729 | 10.220 | ng/ul | 98 |
| 38) Hexachlorocyclopentadiene | 12.22 | 237 | 58297 | 10.542 | ng/ul | 99 |
| 39) 2,4,6-Trichlorophenol | 12.49 | 196 | 53470 | 9.361 | ng/ul | 98 |
| 40) 2,4,5-Trichlorophenol | 12.56 | 196 | 60499 | 9.454 | ng/ul | 99 |
| 41) 1,1'-Biphenyl | 12.89 | 154 | 215655 | 9.690 | ng/ul | 95 |
| 42) 2-Chloronaphthalene | 12.93 | 162 | 169430 | 9.595 | ng/ul | 98 |
| 43) 2-Nitroaniline | 13.15 | 65 | 31293 | 6.999 | ng/ul | 97 |
| 45) Dimethylphthalate | 13.55 | 163 | 207313 | 9.233 | ng/ul | 98 |
| 46) 2,6-Dinitrotoluene | 13.66 | 165 | 37832 | 8.503 | ng/ul | 97 |
| 48) Acenaphthylene | 13.79 | 152 | 247178 | 9.280 | ng/ul | 99 |
| 49) 3-Nitroaniline | 13.99 | 138 | 31441 | 7.657 | ng/ul# | 99 |
| 50) Acenaphthene | 14.13 | 153 | 179212 | 9.579 | ng/ul | 97 |
| 51) 2,4-Dinitrophenol | 14.21 | 184 | 15670 | 6.106 | ng/ul | 95 |
| 53) 4-Nitrophenol | 14.31 | 109 | 27597 | 7.569 | ng/ul | 99 |
| 54) Dibenzofuran | 14.47 | 168 | 257114 | 9.590 | ng/ul | 99 |
| 55) 2,4-Dinitrotoluene | 14.46 | 165 | 55410 | 8.534 | ng/ul | 96 |
| 56) 2,3,4,6-Tetrachlorophenol | 14.71 | 232 | 47697 | 8.920 | ng/ul# | 86 |
| 57) Diethylphthalate | 14.93 | 149 | 207447 | 9.379 | ng/ul | 99 |
| 59) Fluorene | 15.13 | 166 | 207660 | 9.198 | ng/ul | 98 |
| 60) 4-Chlorophenyl-phenylether | 15.13 | 204 | 112789 | 9.989 | ng/ul | 99 |
| 61) 4-Nitroaniline | 15.16 | 138 | 33488 | 6.907 | ng/ul | 83 |
| 64) 4,6-Dinitro-2-methylphenol | 15.22 | 198 | 32663 | 8.800 | ng/ul | 97 |
| 65) N-Nitrosodiphenylamine | 15.35 | 169 | 178067 | 9.710 | ng/ul | 98 |
| 66) 4-Bromophenyl-phenylether | 16.03 | 248 | 62038 | 9.660 | ng/ul | 97 |
| 67) Hexachlorobenzene | 16.14 | 284 | 72865 | 10.225 | ng/ul | 96 |
| 68) Atrazine | 16.32 | 200 | 59868 | 9.619 | ng/ul | 97 |
| 69) Pentachlorophenol | 16.49 | 266 | 32455 | 7.702 | ng/ul# | 89 |
| 70) Phenanthrene | 16.87 | 178 | 346881 | 9.809 | ng/ul | 99 |
| 72) Anthracene | 16.96 | 178 | 350819 | 9.770 | ng/ul | 99 |
| 73) 1,2,3,4-Tetrachlorobenzene | 12.85 | 216 | 100660 | 11.716 | ng/uL | 97 |
| 74) Pentachlorobenzene | 14.40 | 250 | 86572 | 10.497 | ng/uL | 88 |
| 75) Carbazole | 17.24 | 167 | 280202 | 9.157 | ng/ul | 99 |
| 76) Di-n-butylphthalate | 17.82 | 149 | 328254 | 8.994 | ng/ul | 99 |
| 77) Fluoranthene | 18.90 | 202 | 401109 | 10.066 | ng/ul | 99 |
| 80) Pyrene | 19.26 | 202 | 433276 | 10.076 | ng/ul | 98 |
| 81) Butylbenzylphthalate | 20.20 | 149 | 142650 | 8.694 | ng/ul | 97 |
| 82) 3,3'-Dichlorobenzidine | 20.97 | 252 | 106763 | 7.978 | ng/ul | 95 |
| 83) Benzo(a)anthracene | 21.03 | 228 | 418380 | 9.298 | ng/ul | 97 |
| 84) Bis(2-ethylhexyl)phthalate | 21.00 | 149 | 199239 | 7.639 | ng/ul | 100 |
| 85) Chrysene | 21.08 | 228 | 417191 | 9.640 | ng/ul | 97 |
| 87) Di-n-octyl phthalate | 21.85 | 149 | 331134 | 8.027 | ng/ul | 100 |
| 88) Benzo(b)fluoranthene | 22.54 | 252 | 429871 | 9.886 | ng/ul | 99 |
| 89) Benzo(k)fluoranthene | 22.58 | 252 | 436562m) | 9.976 | ng/ul | ) 08/24/20 JU |
| 91) Benzo(a)pyrene | 23.07 | 252 | 391637 | 10.212 | ng/ul | 99 |
| 92) Indeno(1,2,3-cd)pyrene | 25.21 | 276 | 513225 | 11.312 | ng/ul | 97 |
| 93) Dibenzo(a,h)anthracene | 25.22 | 278 | 421537 | 11.066 | ng/ul | 99 |
| 94) Benzo(g,h,i)perylene | 25.83 | 276 | 425026 | 11.596 | ng/ul | 96 |

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|---|---|---|---|---|---|---|

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

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BNA_N
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