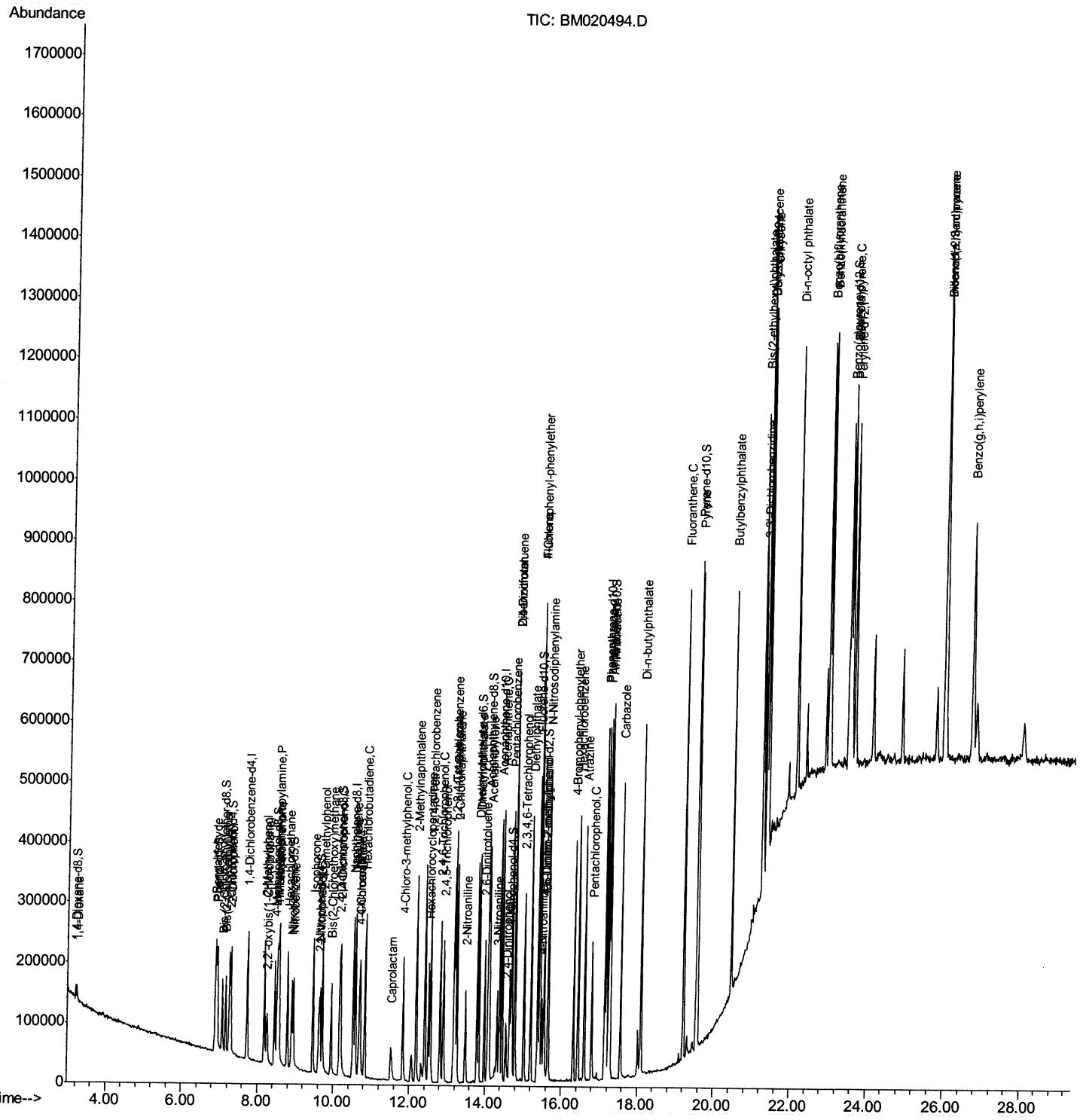
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052119\
Data File : BM020494.D
Acq On : 22 May 2019 13:57
Operator : JU/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 32 Sample Multiplier: 1

Quant Time: May 22 14:47:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:54:12 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**LabSampleId :**
SSTD02024

**Manual Integrations APPROVED**
mohammad
5/23/2019 8:44:22 AM



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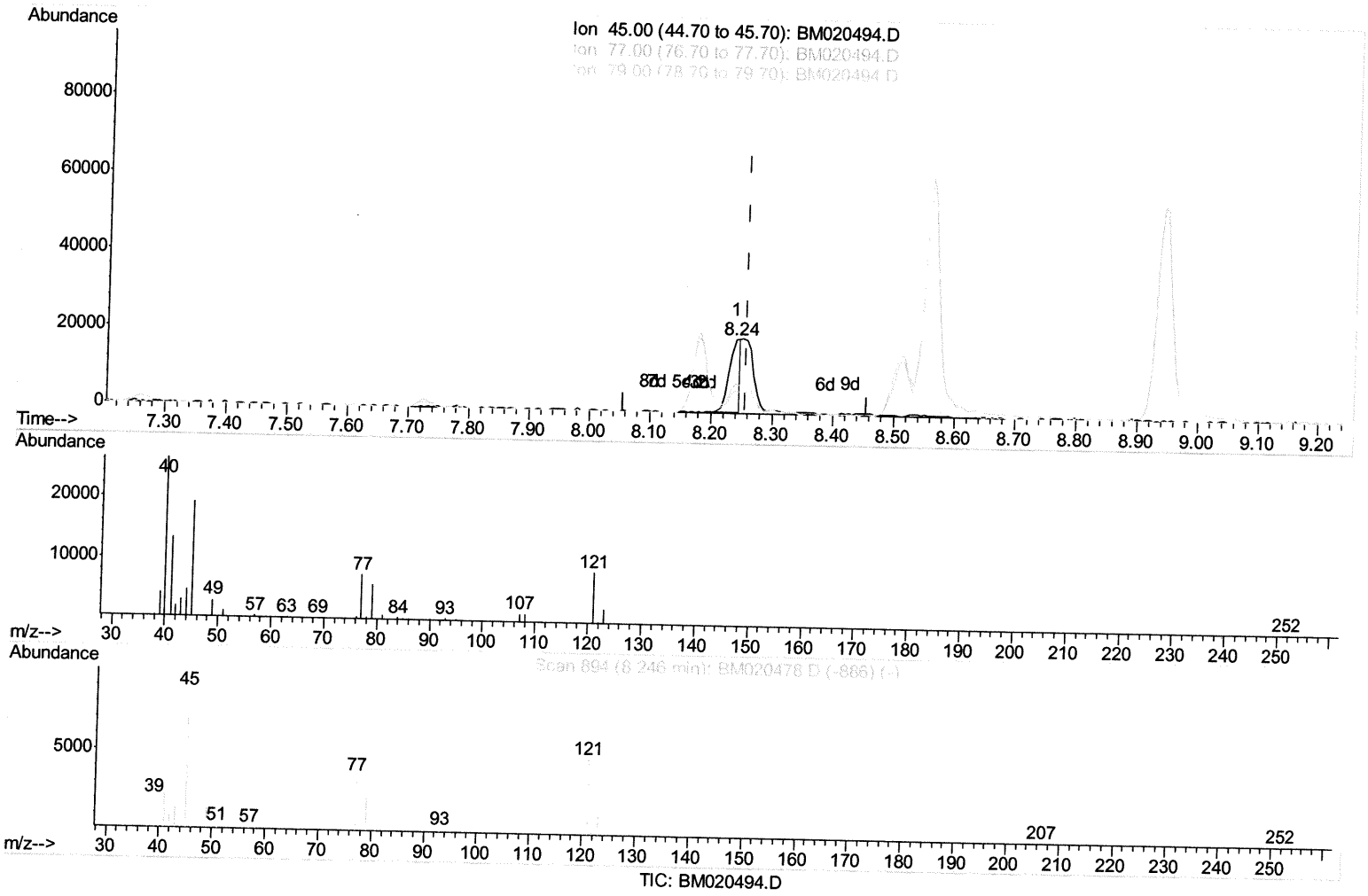


TIC: BM020494.D

(12) 2,2'-oxybis(1-Chloropropane)

8.240min (-0.018) 9.71ng/ul

response 23893

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 77.00 | 34.50 | 39.54 |
| 79.00 | 25.60 | 31.43# |
| 0.00 | 0.00 | 0.00 |

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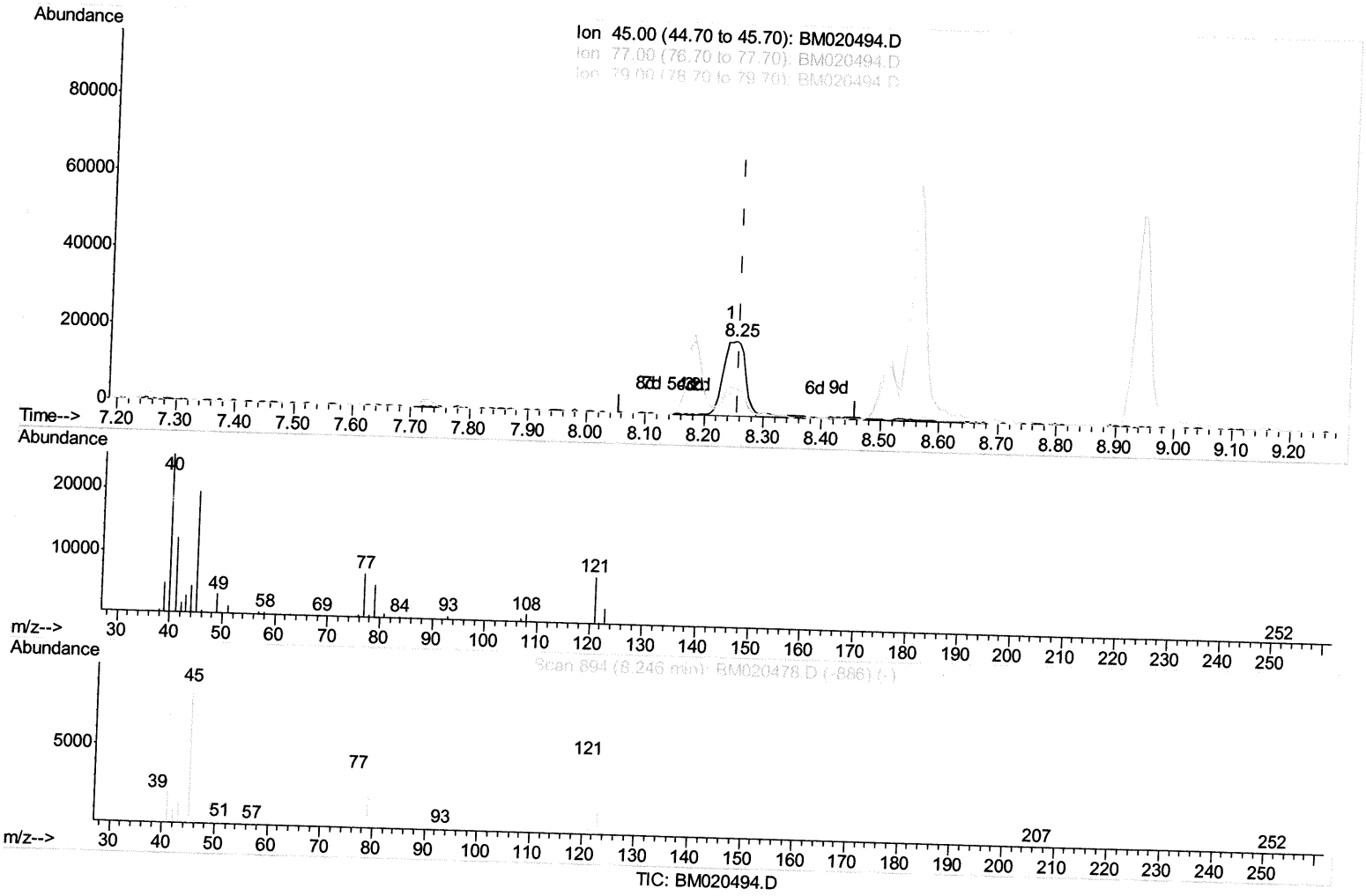
**Manual Integrations APPROVED**
mohammad
5/23/2019 8:44:22 AM




TIC: BM020494.D

(12) 2,2'-oxybis(1-Chloropropane)

8.251min (-0.006) 20.64ng/ul m JU 05/24/19

response 50811

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 77.00 | 34.50 | 36.83 |
| 79.00 | 25.60 | 27.51 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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Operator : JU/SJ
Sample : SSTDCCC020EC
Misc :
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**Instrument :**
BNA_M
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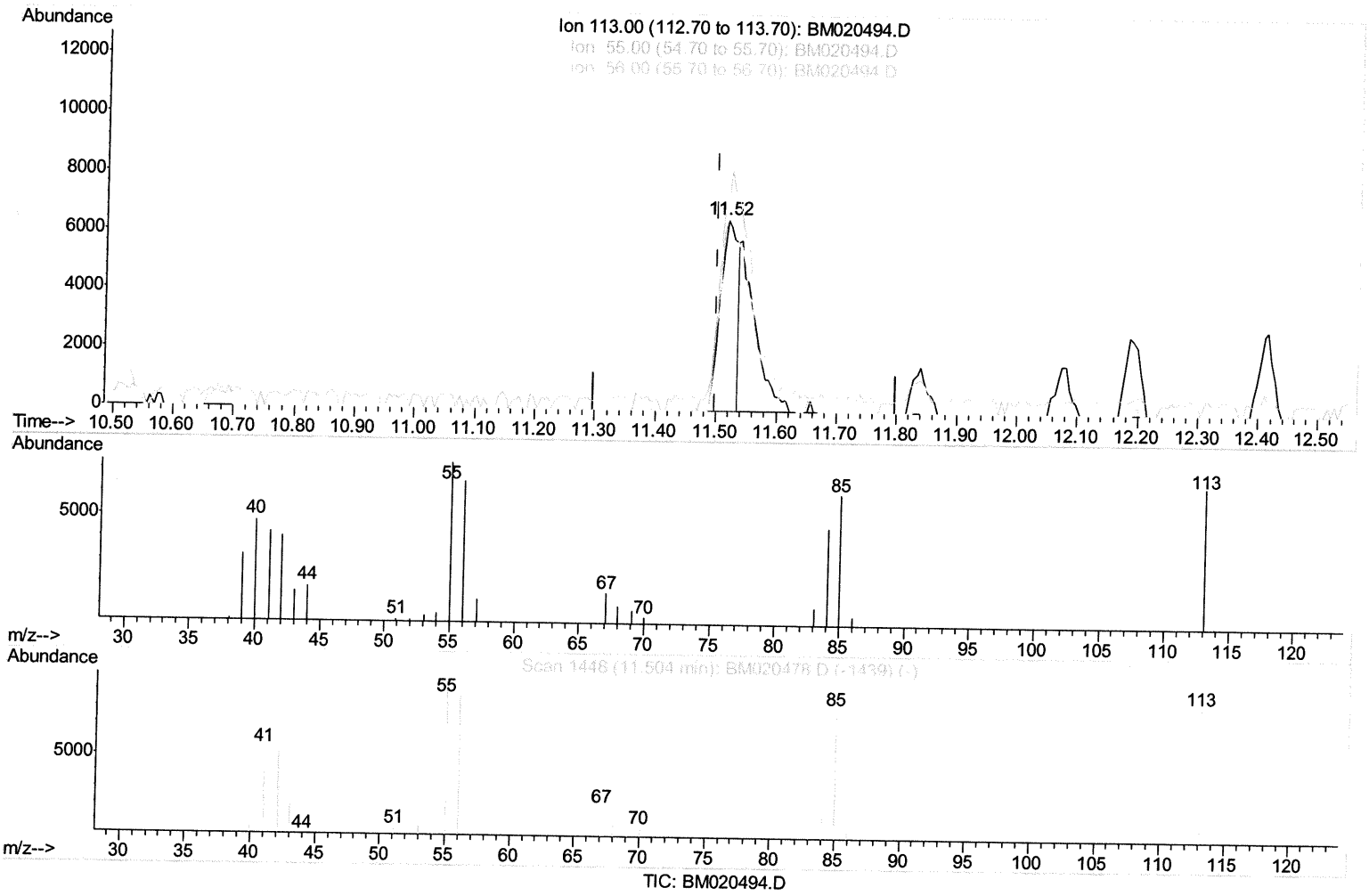
**Manual Integrations APPROVED**
mohammad
5/23/2019 8:44:22 AM




(32) Caprolactam

11.516min (+0.018) 13.92ng/ul

response 12869

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 130.70 | 112.51 |
| 56.00 | 110.50 | 99.79 |
| 0.00 | 0.00 | 0.00 |

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BNA_M
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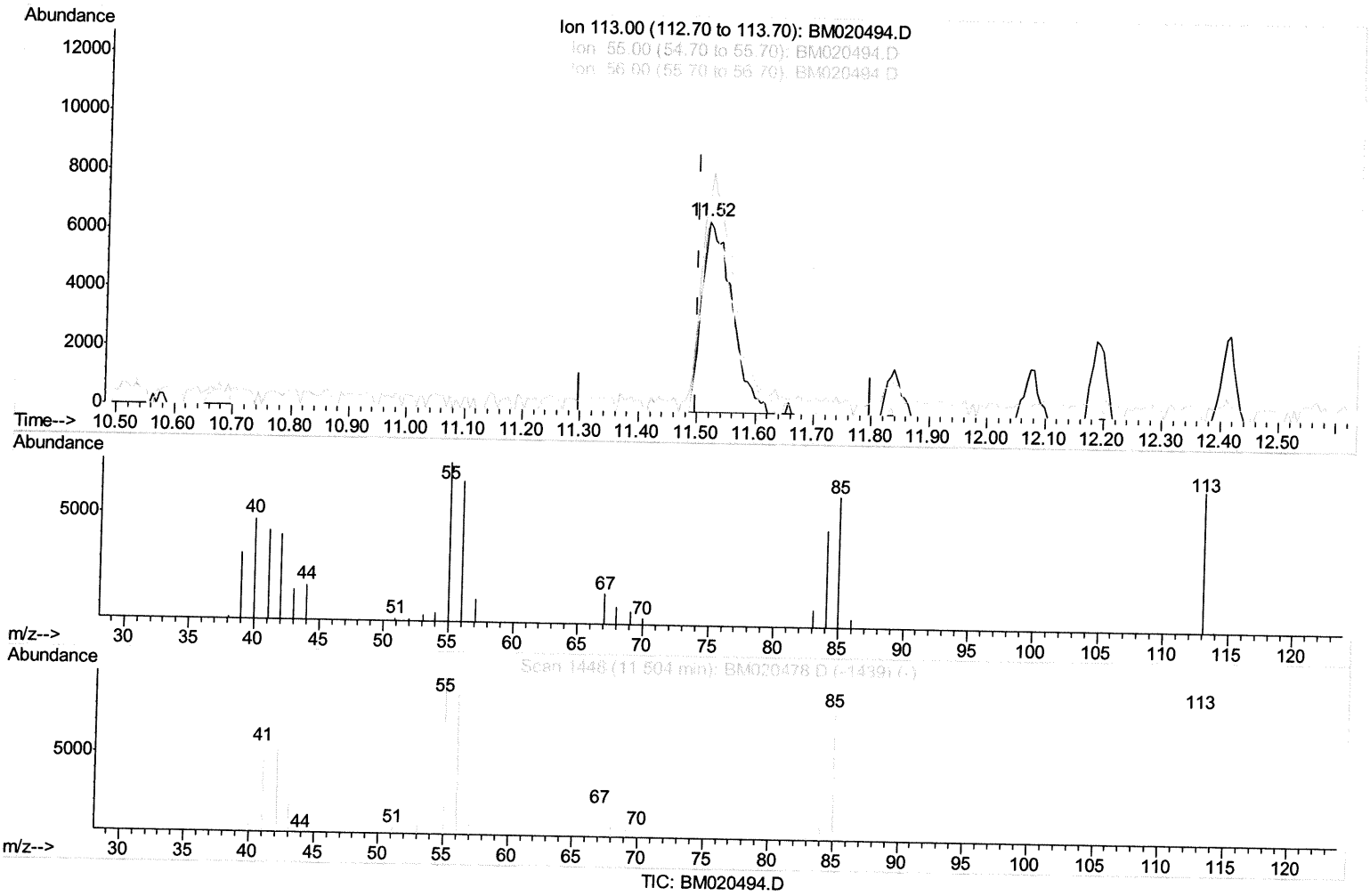
**Manual Integrations APPROVED**
mohammad
5/23/2019 8:44:22 AM




(32) Caprolactam

11.516min (+0.018) 25.37ng/ul m JO 05/24/19

response 23458

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 130.70 | 112.51 |
| 56.00 | 110.50 | 99.79 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :** BNA_M
**LabSampleId :** SSTD02024

**Manual Integrations APPROVED**
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5/23/2019 8:44:22 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.73 | 152 | 57068 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.52 | 136 | 219427 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.39 | 164 | 138958 | 20.00 | ng/ul | 0.01 |
| 61) Phenanthrene-d10 | 17.14 | 188 | 356496 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.34 | 240 | 375961 | 20.00 | ng/ul | 0.01 |
| 85) Perylene-d12 | 23.63 | 264 | 440925 | 20.00 | ng/ul | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.21 | 96 | 13391 | 8.66 | ng/uL | -0.01 |
| 5) Phenol-d5 | 6.91 | 99 | 97063 | 21.32 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.07 | 67 | 61424 | 21.22 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.26 | 132 | 71997 | 21.56 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.45 | 113 | 70978 | 21.41 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5 | 8.90 | 128 | 33290 | 23.32 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.62 | 143 | 39301 | 24.96 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.16 | 165 | 82474 | 24.77 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4 | 10.67 | 131 | 79829 | 23.21 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.79 | 166 | 233341 | 23.34 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.08 | 160 | 288420 | 23.06 | ng/ul | 0.01 |
| 51) 4-Nitrophenol-d4 | 14.64 | 143 | 31186 | 21.48 | ng/ul | 0.04 |
| 57) Fluorene-d10 | 15.38 | 176 | 202982 | 22.83 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.54 | 200 | 40714 | 20.05 | ng/ul | 0.02 |
| 70) Anthracene-d10 | 17.24 | 188 | 341056 | 22.30 | ng/ul | 0.01 |
| 78) Pyrene-d10 | 19.54 | 212 | 410403 | 22.66 | ng/ul | 0.01 |
| 89) Benzo(a)pyrene-d12 | 23.48 | 264 | 433798 | 21.65 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.25 | 88 | 14401 | 8.925 | ng/uL | 91 |
| 4) Benzaldehyde | 6.89 | 77 | 73347 | 18.807 | ng/ul | 97 |
| 6) Phenol | 6.94 | 94 | 97991 | 20.461 | ng/ul | 95 |
| 8) Bis(2-Chloroethyl)ether | 7.16 | 93 | 75543 | 20.872 | ng/ul | 99 |
| 10) 2-Chlorophenol | 7.29 | 128 | 73060 | 21.441 | ng/ul | 97 |
| 11) 2-Methylphenol | 8.18 | 108 | 69915 | 21.480 | ng/ul | 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.25 | 45 | 50811m | 20.645 | ng/ul | |
| 14) Acetophenone | 8.56 | 105 | 120091 | 21.216 | ng/ul | 99 |
| 15) N-Nitroso-di-n-propylamine | 8.53 | 70 | 68960 | 21.349 | ng/ul | 98 |
| 16) 4-Methylphenol | 8.51 | 108 | 75653 | 21.456 | ng/ul | 93 |
| 17) Hexachloroethane | 8.79 | 117 | 33142 | 20.595 | ng/ul | 95 |
| 20) Nitrobenzene | 8.94 | 77 | 105912 | 22.778 | ng/ul | 96 |
| 21) Isophorone | 9.46 | 82 | 186261 | 23.151 | ng/ul | 97 |
| 23) 2-Nitrophenol | 9.65 | 139 | 39617 | 23.262 | ng/ul | 95 |
| 24) 2,4-Dimethylphenol | 9.70 | 107 | 89856 | 23.006 | ng/ul | 95 |
| 25) Bis(2-Chloroethoxy)methane | 9.94 | 93 | 99253 | 22.806 | ng/ul | 98 |
| 27) 2,4-Dichlorophenol | 10.19 | 162 | 80211 | 24.761 | ng/ul | 99 |
| 28) Naphthalene | 10.57 | 128 | 223191 | 22.139 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.70 | 127 | 83403 | 23.714 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.83 | 225 | 64163 | 22.757 | ng/ul | 99 |
| 32) Caprolactam | 11.52 | 113 | 23458m | 25.375 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.84 | 107 | 80791 | 24.677 | ng/ul | 94 |
| 34) 2-Methylnaphthalene | 12.19 | 142 | 163887 | 22.452 | ng/ul | 99 |

JO 05/24/19

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**Manual Integrations APPROVED**
mohammad
5/23/2019 8:44:22 AM

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.56 | 216 | 117389 | 23.433 ng/ul | 97 |
| 37) Hexachlorocyclopentadiene | 12.52 | 237 | 57500 | 19.183 ng/ul | 100 |
| 38) 2,4,6-Trichlorophenol | 12.82 | 196 | 71967 | 24.586 ng/ul | 98 |
| 39) 2,4,5-Trichlorophenol | 12.90 | 196 | 76520 | 26.459 ng/ul | 100 |
| 40) 1,1'-Biphenyl | 13.21 | 154 | 226455 | 22.764 ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.26 | 162 | 180353 | 22.771 ng/ul | 98 |
| 42) 2-Nitroaniline | 13.49 | 65 | 51101 | 25.190 ng/ul | 90 |
| 44) Dimethylphthalate | 13.84 | 163 | 232498 | 23.508 ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 13.98 | 165 | 41889 | 24.263 ng/ul | 96 |
| 47) Acenaphthylene | 14.11 | 152 | 267214 | 22.659 ng/ul | 99 |
| 48) 3-Nitroaniline | 14.32 | 138 | 35233 | 24.290 ng/ul | 94 |
| 49) Acenaphthene | 14.45 | 153 | 180868 | 22.310 ng/ul | 98 |
| 50) 2,4-Dinitrophenol | 14.55 | 184 | 25202 | 23.567 ng/ul | 96 |
| 52) 4-Nitrophenol | 14.65 | 109 | 32880 | 21.667 ng/ul | 93 |
| 53) Dibenzofuran | 14.79 | 168 | 280945 | 22.884 ng/ul | 97 |
| 54) 2,4-Dinitrotoluene | 14.79 | 165 | 66297 | 25.095 ng/ul# | 76 |
| 55) 2,3,4,6-Tetrachlorophenol | 15.02 | 232 | 71053 | 24.412 ng/ul# | 96 |
| 56) Diethylphthalate | 15.20 | 149 | 222995 | 23.312 ng/ul | 99 |
| 58) Fluorene | 15.44 | 166 | 223887 | 22.764 ng/ul | 98 |
| 59) 4-Chlorophenyl-phenylether | 15.43 | 204 | 134673 | 23.338 ng/ul | 97 |
| 60) 4-Nitroaniline | 15.49 | 138 | 31319 | 19.851 ng/ul | 97 |
| 63) 4,6-Dinitro-2-methylphenol | 15.56 | 198 | 41727 | 19.749 ng/ul# | 95 |
| 64) N-Nitrosodiphenylamine | 15.65 | 169 | 194535 | 22.054 ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.33 | 248 | 87434 | 22.479 ng/ul | 94 |
| 66) Hexachlorobenzene | 16.44 | 284 | 102102 | 22.399 ng/ul | 97 |
| 67) Atrazine | 16.60 | 200 | 86863 | 24.057 ng/ul | 99 |
| 68) Pentachlorophenol | 16.80 | 266 | 50782 | 19.145 ng/ul | 97 |
| 69) Phenanthrene | 17.19 | 178 | 370626 | 21.819 ng/ul | 100 |
| 71) Anthracene | 17.27 | 178 | 386194 | 22.351 ng/ul | 99 |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.17 | 216 | 119160 | 21.885 ng/uL | 99 |
| 73) Pentachlorobenzene | 14.70 | 250 | 117552 | 22.185 ng/uL | 98 |
| 74) Carbazole | 17.56 | 167 | 329622 | 22.475 ng/ul | 98 |
| 75) Di-n-butylphthalate | 18.09 | 149 | 396797 | 24.926 ng/ul | 99 |
| 76) Fluoranthene | 19.21 | 202 | 489103 | 22.795 ng/ul | 98 |
| 79) Pyrene | 19.57 | 202 | 492332 | 21.817 ng/ul | 99 |
| 80) Butylbenzylphthalate | 20.46 | 149 | 182281 | 25.763 ng/ul | 94 |
| 81) 3,3'-Dichlorobenzidine | 21.26 | 252 | 155121 | 22.511 ng/ul | 96 |
| 82) Benzo(a)anthracene | 21.32 | 228 | 520058 | 22.983 ng/ul | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 21.23 | 149 | 262115 | 25.523 ng/ul# | 96 |
| 84) Chrysene | 21.37 | 228 | 490812 | 22.697 ng/ul | 99 |
| 86) Di-n-octyl phthalate | 22.12 | 149 | 453874 | 21.196 ng/ul | 100 |
| 87) Benzo(b)fluoranthene | 22.93 | 252 | 549120 | 21.821 ng/ul | 97 |
| 88) Benzo(k)fluoranthene | 22.98 | 252 | 515999 | 20.876 ng/ul | 99 |
| 90) Benzo(a)pyrene | 23.53 | 252 | 523062 | 22.087 ng/ul | 100 |
| 91) Indeno(1,2,3-cd)pyrene | 25.96 | 276 | 646992 | 23.976 ng/ul | 99 |
| 92) Dibenzo(a,h)anthracene | 25.96 | 278 | 553268 | 23.975 ng/ul | 98 |
| 93) Benzo(g,h,i)perylene | 26.67 | 276 | 544409 | 24.372 ng/ul | 98 |

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