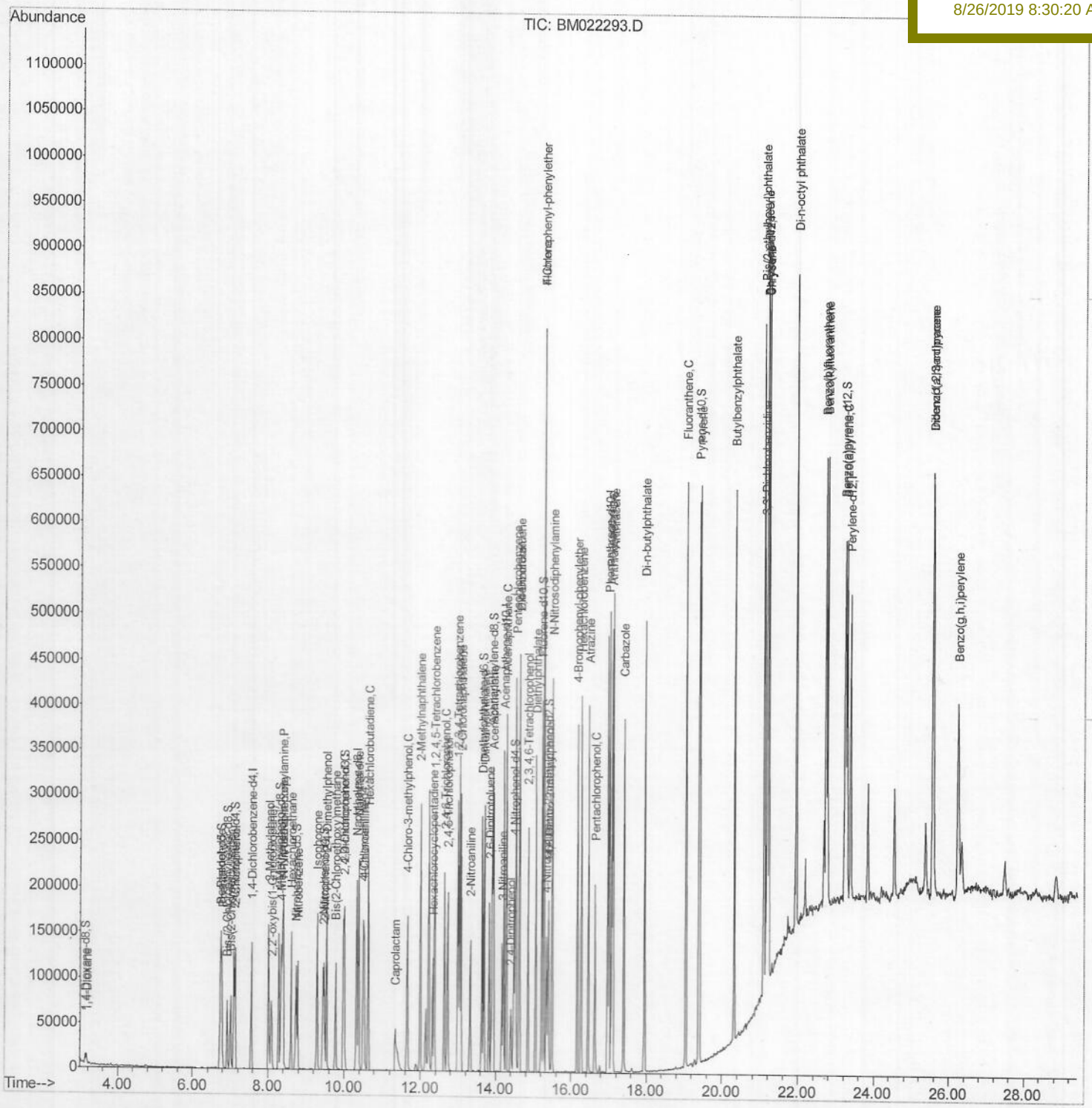
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022293.D
Acq On : 24 Aug 2019 14:35
Operator : HP/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 25 03:06:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 25 01:20:09 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**LabSampleId :**
SSTD02051

**Manual Integrations APPROVED**
mohammad
8/26/2019 8:30:20 AM



Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022293.D
Acq On : 24 Aug 2019 14:35
Operator : HP/JU
Sample : SSTDCCC020
Misc :
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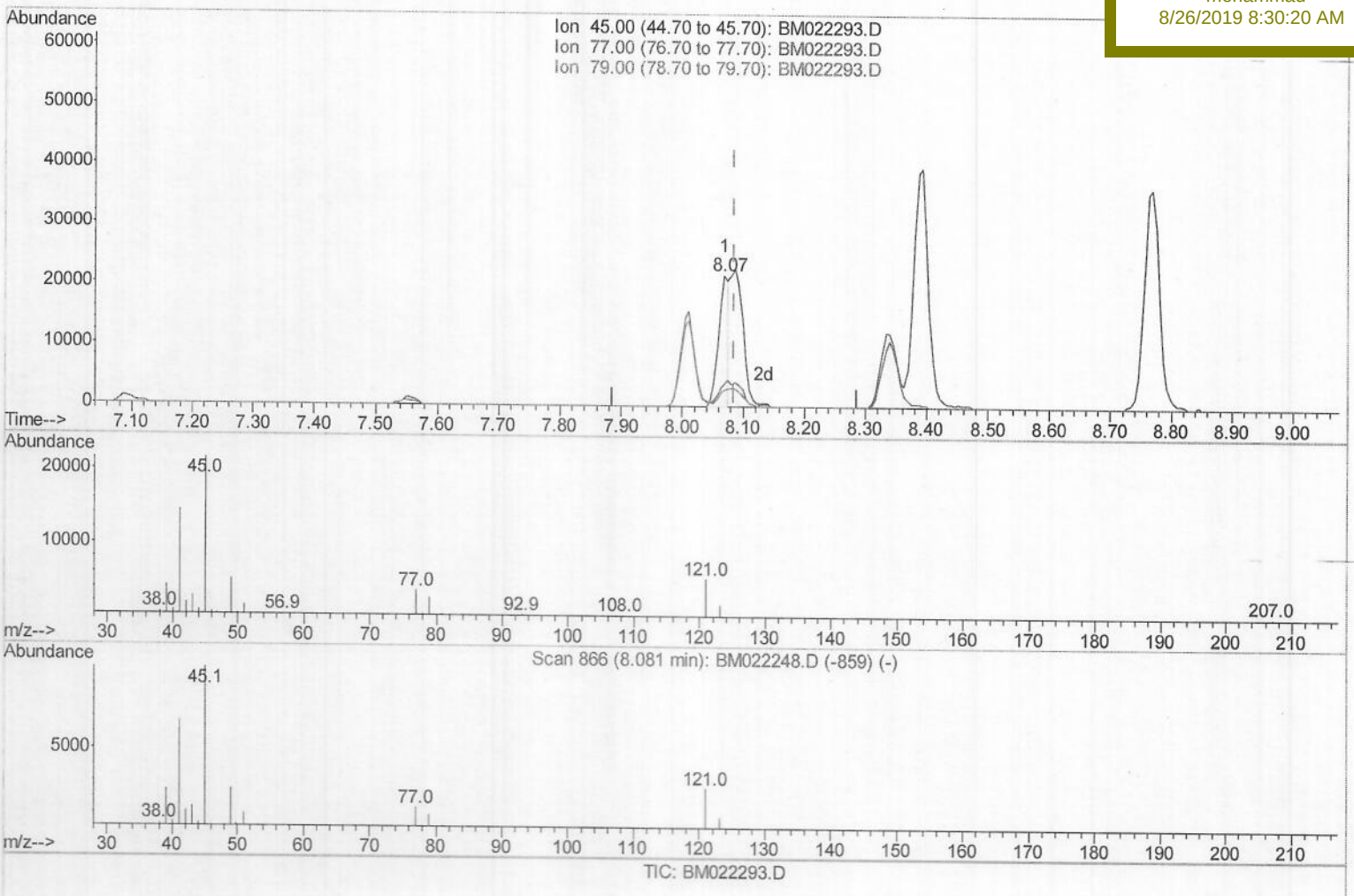
Quant Time: Aug 27 05:26:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 27 05:10:58 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**LabSampleId :**
SSTD02051

**Manual Integrations APPROVED**
mohammad
8/26/2019 8:30:20 AM










TIC: BM022293.D

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

8.069min (-0.018) 8.71ng/ul

response 25871

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 77.00 | 18.70 | 16.89 |
| 79.00 | 14.20 | 12.47 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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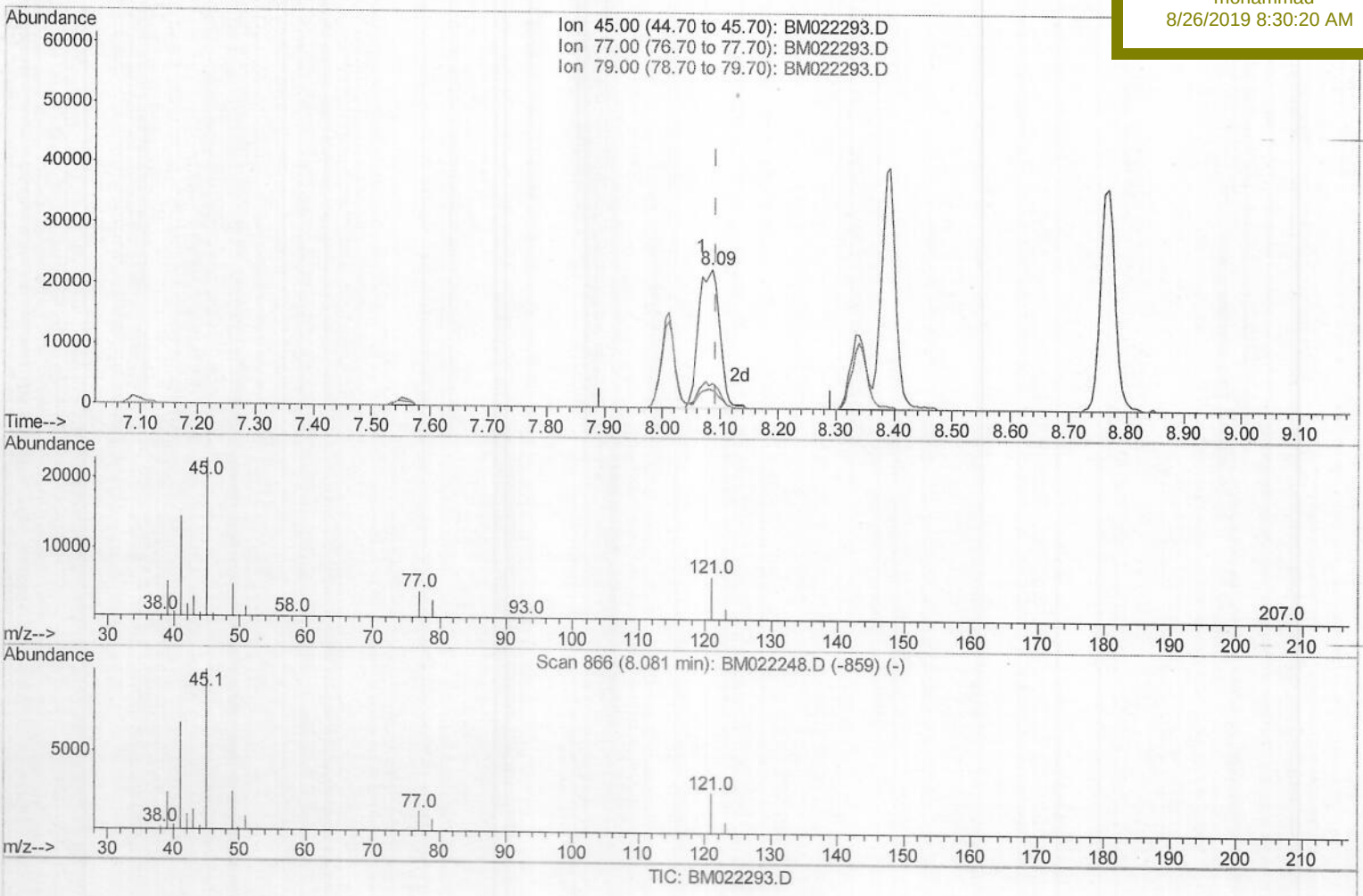
**Instrument :**
BNA_M
**LabSampleId :**
SSTD02051

**Manual Integrations APPROVED**
mohammad
8/26/2019 8:30:20 AM










TIC: BM022293.D

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

8.087min (-0.006) 19.66ng/ul m JU 08/29/19

response 58392

| Ion | Exp% | Act% |
|---|---|---|
| 45.00 | 100 | 100 |
| 77.00 | 18.70 | 17.73 |
| 79.00 | 14.20 | 12.46 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022293.D
Acq On : 24 Aug 2019 14:35
Operator : HP/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

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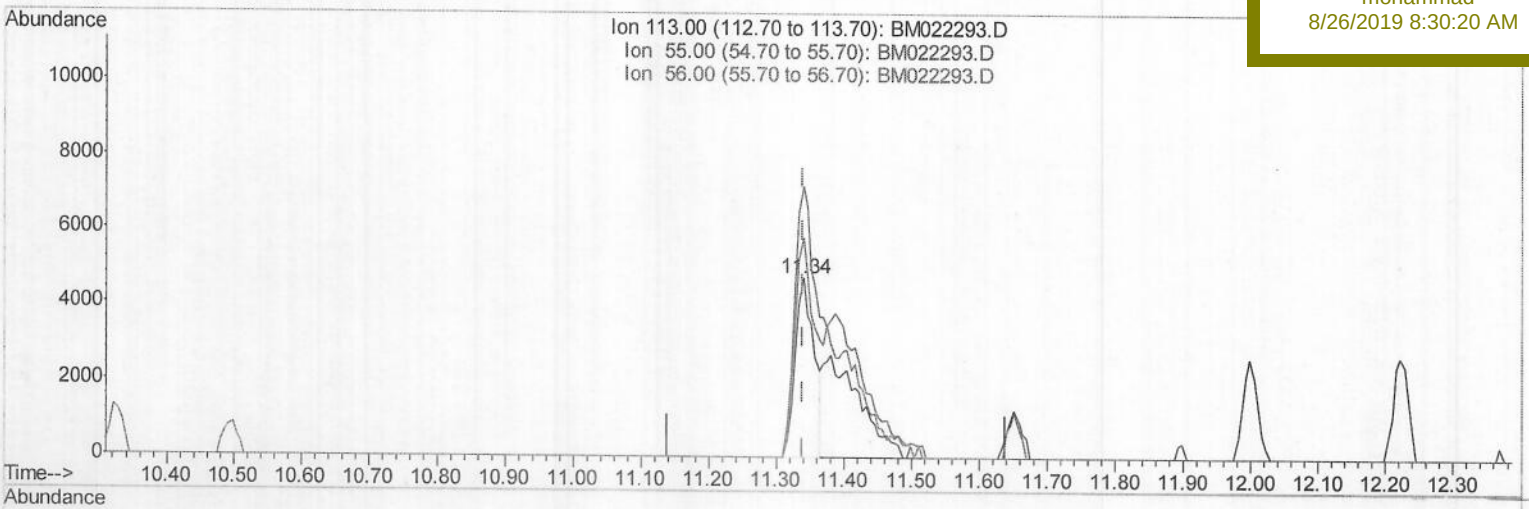
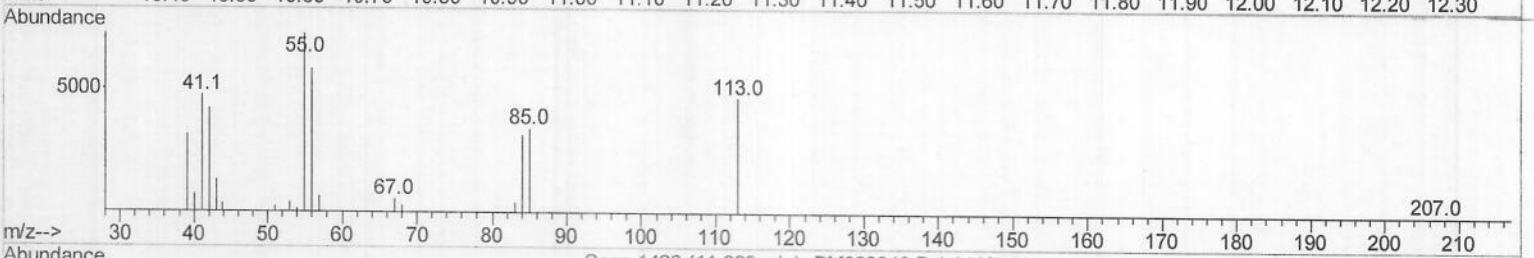
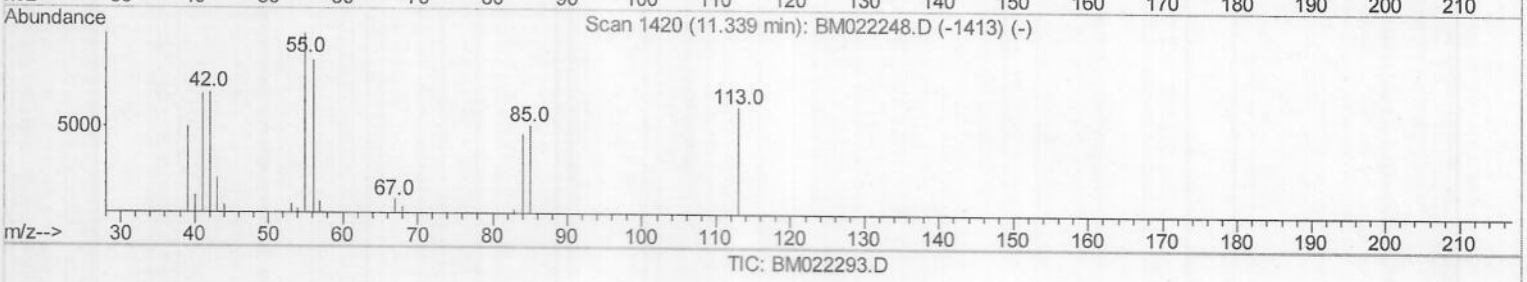
QLast Update : Tue Aug 27 05:10:58 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**LabSampleId :**
SSTD02051

**Manual Integrations APPROVED**
mohammad
8/26/2019 8:30:20 AM




TIC: BM022293.D

(32) Caprolactam

11.339min (+0.000) 10.74ng/ul

response 8941

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 139.50 | 152.08 |
| 56.00 | 130.80 | 123.14 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
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Sample : SSTDCCC020
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Quant Title : SVOA CALIBRATION
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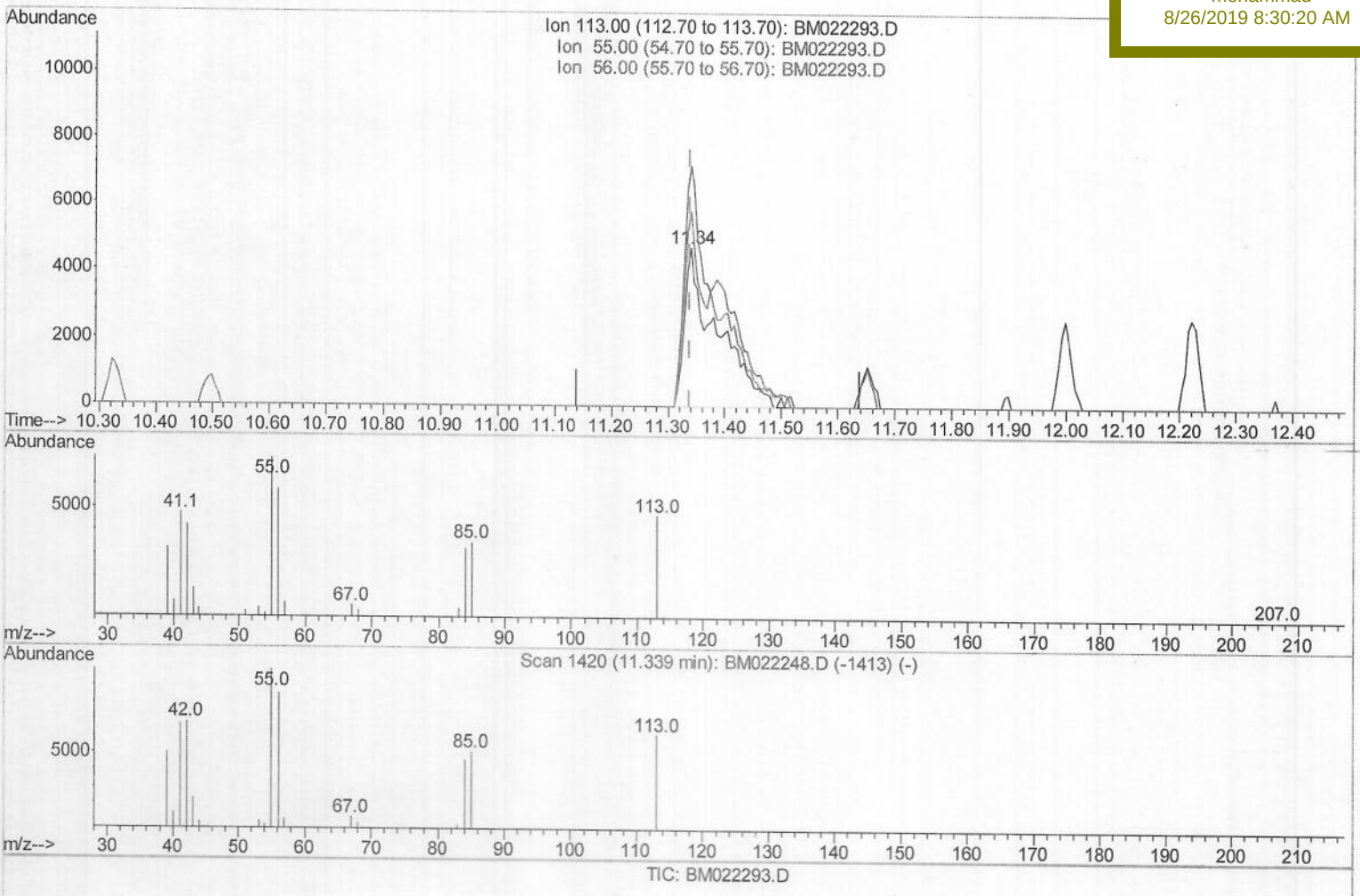
Response via : Initial Calibration

**Instrument :**
BNA_M
**LabSampleId :**
SSTD02051

**Manual Integrations APPROVED**
mohammad
8/26/2019 8:30:20 AM










TIC: BM022293.D

(32) Caprolactam

11.339min (+0.000) 23.04ng/ul m JU 08/29/19

response 19179

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 139.50 | 152.08 |
| 56.00 | 130.80 | 123.14 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
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Misc :
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 27 05:10:58 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**LabSampleId :**
SSTD02051

**Manual Integrations APPROVED**
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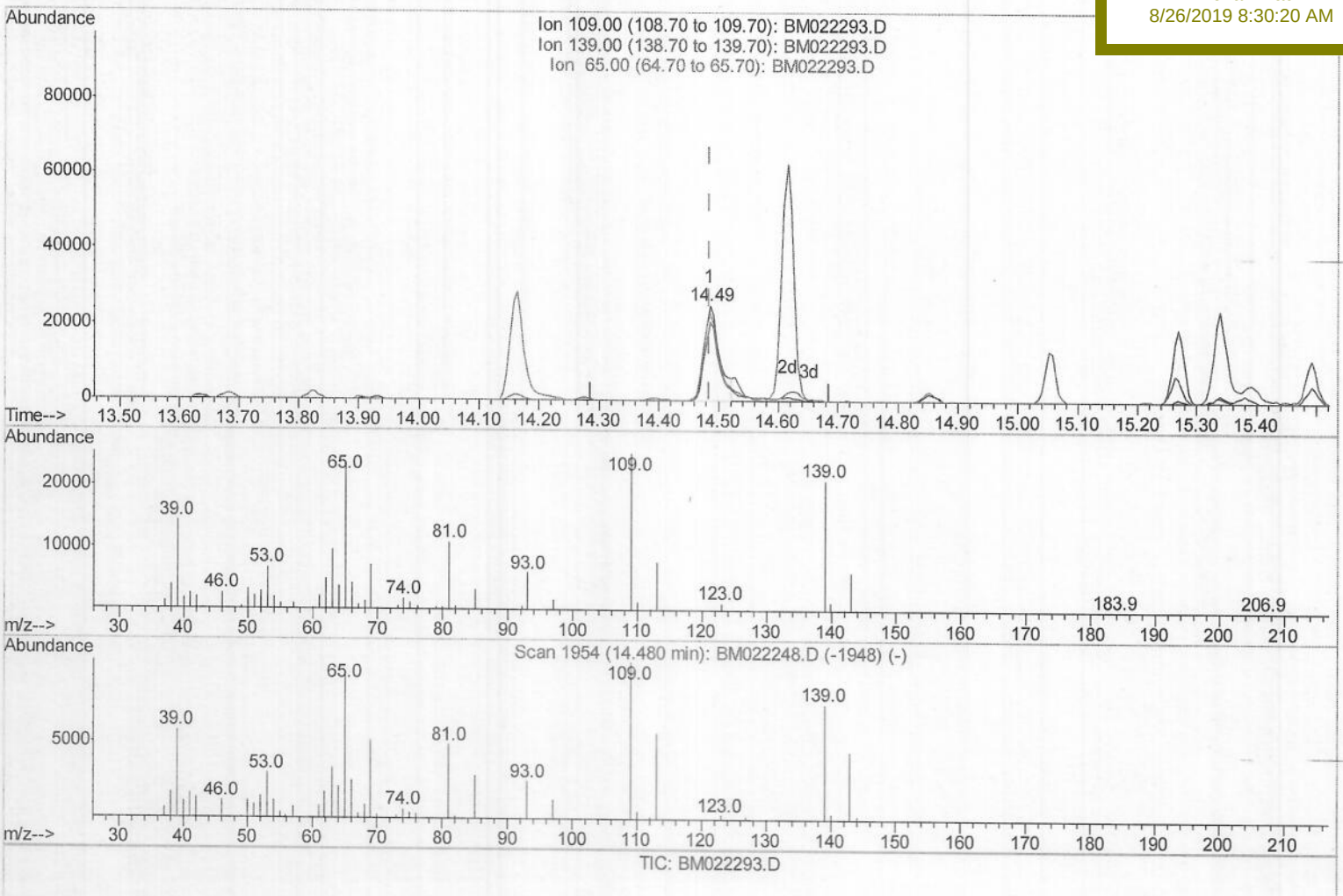









TIC: BM022293.D

(52) 4-Nitrophenol

14.486min (+0.000) 20.07ng/ul

response 45495

| Ion | Exp% | Act% |
|---|---|---|
| 109.00 | 100 | 100 |
| 139.00 | 76.20 | 83.31 |
| 65.00 | 91.80 | 91.56 |
| 0.00 | 0.00 | 0.00 |

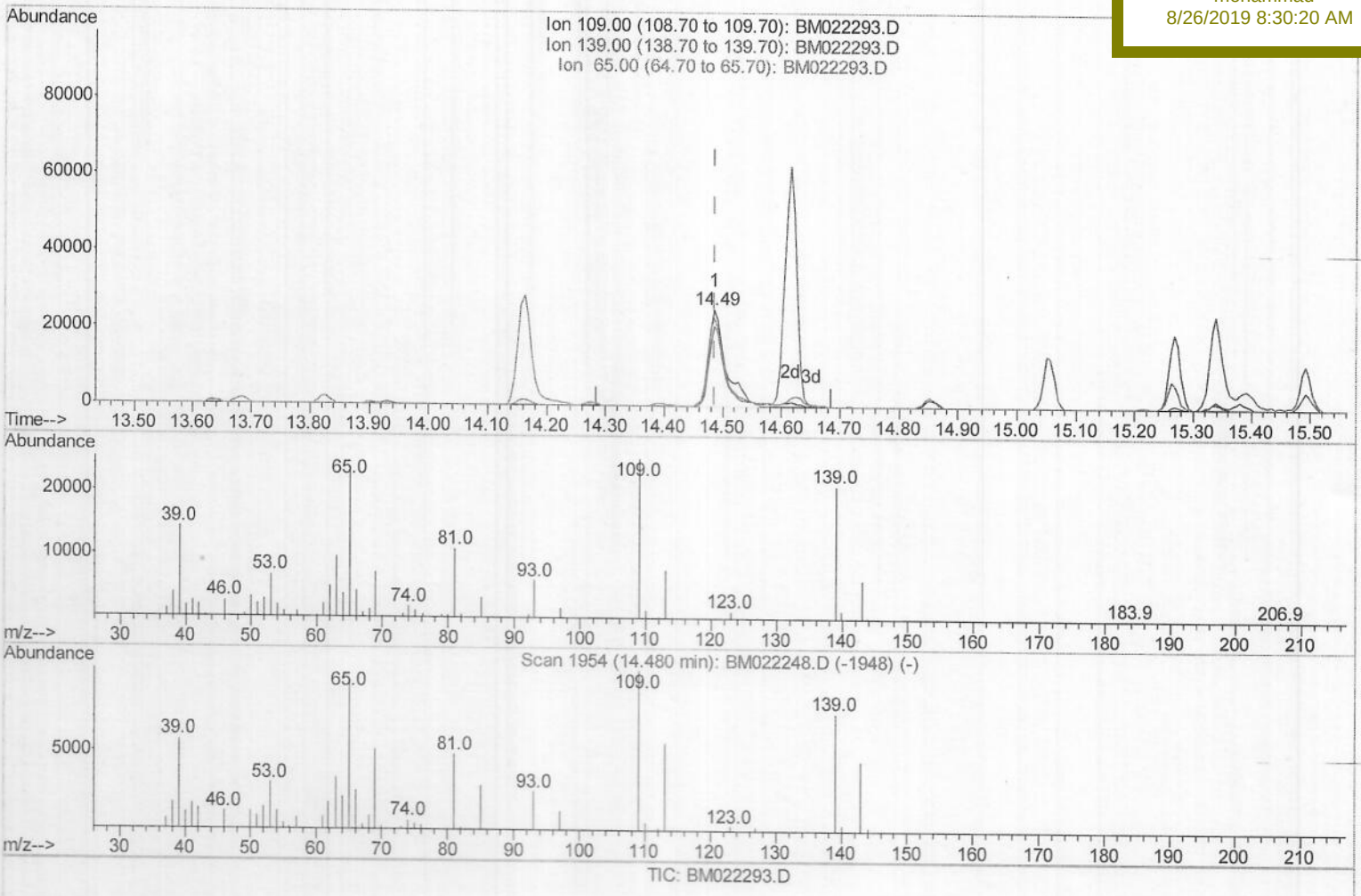
Quantitation Report (Qedit)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
Data File : BM022293.D
Acq On : 24 Aug 2019 14:35
Operator : HP/JU
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 25 03:06:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 25 01:20:09 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**LabSampleId :**
SSTD02051

**Manual Integrations APPROVED**
mohammad
8/26/2019 8:30:20 AM







TIC: BM022293.D

(52) 4-Nitrophenol

14.486min (+0.000) 22.90ng/ul m

response 51916

JU 08/29/19

| Ion | Exp% | Act% |
|---|---|---|
| 109.00 | 100 | 100 |
| 139.00 | 76.20 | 83.31 |
| 65.00 | 91.80 | 91.56 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
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Misc :
ALS Vial : 2 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION
QLast Update : Sun Aug 25 01:20:09 2019
Response via : Initial Calibration

**Instrument :** BNA_M
**LabSampleId :** SSTD02051

**Manual Integrations APPROVED**
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8/26/2019 8:30:20 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.56 | 152 | 33878 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.33 | 136 | 149878 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.21 | 164 | 104576 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 16.97 | 188 | 237089 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.19 | 240 | 267656 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.38 | 264 | 226482 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.13 | 96 | 4963 | 6.56 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.75 | 99 | 55116 | 18.85 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.91 | 67 | 32863 | 19.32 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.09 | 132 | 48151 | 20.40 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.27 | 113 | 48943 | 19.31 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.72 | 128 | 23550 | 21.07 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.43 | 143 | 27091 | 20.83 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.96 | 165 | 55536 | 20.97 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.49 | 131 | 67987 | 21.11 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.63 | 166 | 171259 | 18.60 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.90 | 160 | 210235 | 21.19 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.47 | 143 | 23913 | 17.53 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.22 | 176 | 145529 | 19.05 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.38 | 200 | 27042 | 14.78 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.07 | 188 | 248387 | 19.78 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.38 | 212 | 307220 | 22.09 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.24 | 264 | 236123 | 18.98 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.17 | 88 | 5599 | 6.899 | ng/uL# | 90 |
| 4) Benzaldehyde | 6.73 | 77 | 41213 | 24.488 | ng/ul | 97 |
| 6) Phenol | 6.78 | 94 | 58301 | 18.622 | ng/ul | 95 |
| 8) Bis(2-Chloroethyl)ether | 7.00 | 93 | 42286 | 18.552 | ng/ul | 96 |
| 10) 2-Chlorophenol | 7.12 | 128 | 49130 | 20.049 | ng/ul | 97 |
| 11) 2-Methylphenol | 8.01 | 108 | 45031 | 18.264 | ng/ul | 96 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.09 | 45 | 58392m | 19.658 | ng/ul | ) JU 08/29/19 |
| 14) Acetophenone | 8.39 | 105 | 78603 | 17.943 | ng/ul | 96 |
| 15) N-Nitroso-di-n-propylamine | 8.37 | 70 | 39306 | 17.725 | ng/ul | 97 |
| 16) 4-Methylphenol | 8.34 | 108 | 49961 | 18.430 | ng/ul | 94 |
| 17) Hexachloroethane | 8.60 | 117 | 22675 | 18.872 | ng/ul | 97 |
| 20) Nitrobenzene | 8.77 | 77 | 63458 | 19.283 | ng/ul | 98 |
| 21) Isophorone | 9.28 | 82 | 110405 | 18.407 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.46 | 139 | 28784 | 20.148 | ng/ul | 98 |
| 24) 2,4-Dimethylphenol | 9.53 | 107 | 63359 | 18.911 | ng/ul | 93 |
| 25) Bis(2-Chloroethoxy)methane | 9.76 | 93 | 61426 | 18.969 | ng/ul | 97 |
| 27) 2,4-Dichlorophenol | 9.99 | 162 | 53932 | 20.103 | ng/ul | 98 |
| 28) Naphthalene | 10.37 | 128 | 162407 | 19.635 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.52 | 127 | 66243 | 19.763 | ng/ul | 97 |
| 31) Hexachlorobutadiene | 10.63 | 225 | 48102 | 18.694 | ng/ul | 97 |
| 32) Caprolactam | 11.34 | 113 | 19179m | 23.035 | ng/ul | ) JU 08/29/19 |
| 33) 4-Chloro-3-methylphenol | 11.65 | 107 | 57310 | 19.350 | ng/ul | 98 |
| 34) 2-Methylnaphthalene | 12.00 | 142 | 123023 | 19.304 | ng/ul | 94 |

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Response via : Initial Calibration

**Instrument :** BNA_M
**LabSampleId :** SSTD02051

**Manual Integrations APPROVED**
mohammad
8/26/2019 8:30:20 AM

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.37 | 216 | 80835 | 18.691 ng/ul | 97 |
| 37) Hexachlorocyclopentadiene | 12.33 | 237 | 32056 | 15.975 ng/ul# | 97 |
| 38) 2,4,6-Trichlorophenol | 12.63 | 196 | 47815 | 19.688 ng/ul | 100 |
| 39) 2,4,5-Trichlorophenol | 12.72 | 196 | 52263 | 19.674 ng/ul | 99 |
| 40) 1,1'-Biphenyl | 13.03 | 154 | 162543 | 19.099 ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.07 | 162 | 130603 | 19.689 ng/ul | 99 |
| 42) 2-Nitroaniline | 13.32 | 65 | 39314 | 19.394 ng/ul | 97 |
| 44) Dimethylphthalate | 13.69 | 163 | 170013 | 18.143 ng/ul | 100 |
| 45) 2,6-Dinitrotoluene | 13.83 | 165 | 33894 | 18.835 ng/ul | 91 |
| 47) Acenaphthylene | 13.93 | 152 | 194849 | 18.943 ng/ul | 98 |
| 48) 3-Nitroaniline | 14.16 | 138 | 32173 | 21.002 ng/ul | 87 |
| 49) Acenaphthene | 14.27 | 153 | 140480 | 19.236 ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.40 | 184 | 16611 | 15.437 ng/ul | 89 |
| 52) 4-Nitrophenol | 14.49 | 109 | 51916m | 22.899 ng/ul | ) JU 08/29/19 |
| 53) Dibenzofuran | 14.62 | 168 | 203094 | 18.672 ng/ul | 97 |
| 54) 2,4-Dinitrotoluene | 14.63 | 165 | 51720 | 18.594 ng/ul | 96 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.85 | 232 | 49877 | 18.518 ng/ul | 96 |
| 56) Diethylphthalate | 15.06 | 149 | 179306 | 17.841 ng/ul | 98 |
| 58) Fluorene | 15.27 | 166 | 165838 | 18.102 ng/ul | 97 |
| 59) 4-Chlorophenyl-phenylether | 15.27 | 204 | 97387 | 17.363 ng/ul | 99 |
| 60) 4-Nitroaniline | 15.34 | 138 | 33981 | 21.377 ng/ul | 89 |
| 63) 4,6-Dinitro-2-methylphenol | 15.40 | 198 | 28037 | 14.284 ng/ul | 99 |
| 64) N-Nitrosodiphenylamine | 15.49 | 169 | 138799 | 18.787 ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.16 | 248 | 62724 | 18.482 ng/ul | 94 |
| 66) Hexachlorobenzene | 16.27 | 284 | 71266 | 18.846 ng/ul | 95 |
| 67) Atrazine | 16.46 | 200 | 77475 | 20.135 ng/ul | 99 |
| 68) Pentachlorophenol | 16.63 | 266 | 36350 | 15.913 ng/ul | 97 |
| 69) Phenanthrene | 17.02 | 178 | 273427 | 19.277 ng/ul | 99 |
| 71) Anthracene | 17.11 | 178 | 278096 | 18.842 ng/ul | 100 |
| 72) 1,2,3,4-Tetrachlorobenzene | 12.99 | 216 | 81905 | 19.422 ng/uL | 98 |
| 73) Pentachlorobenzene | 14.53 | 250 | 89288 | 19.518 ng/uL | 100 |
| 74) Carbazole | 17.40 | 167 | 239246 | 17.946 ng/ul | 99 |
| 75) Di-n-butylphthalate | 17.94 | 149 | 313025 | 18.381 ng/ul | 98 |
| 76) Fluoranthene | 19.04 | 202 | 358340 | 16.765 ng/ul | 99 |
| 79) Pyrene | 19.41 | 202 | 370514 | 21.387 ng/ul | 100 |
| 80) Butylbenzylphthalate | 20.32 | 149 | 159880 | 21.805 ng/ul | 97 |
| 81) 3,3'-Dichlorobenzidine | 21.11 | 252 | 128468 | 18.450 ng/ul | 99 |
| 82) Benzo(a)anthracene | 21.17 | 228 | 381650 | 18.945 ng/ul | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 21.09 | 149 | 236085 | 21.398 ng/ul | 98 |
| 84) Chrysene | 21.22 | 228 | 342282 | 18.172 ng/ul | 100 |
| 86) Di-n-octyl phthalate | 21.96 | 149 | 395369 | 23.554 ng/ul | 100 |
| 87) Benzo(b)fluoranthene | 22.72 | 252 | 299456 | 19.007 ng/ul | 99 |
| 88) Benzo(k)fluoranthene | 22.76 | 252 | 304441 | 19.927 ng/ul | 99 |
| 90) Benzo(a)pyrene | 23.28 | 252 | 273457 | 18.210 ng/ul | 99 |
| 91) Indeno(1,2,3-cd)pyrene | 25.57 | 276 | 300800 | 17.250 ng/ul | 99 |
| 92) Dibenzo(a,h)anthracene | 25.57 | 278 | 251765 | 17.006 ng/ul | 98 |
| 93) Benzo(g,h,i)perylene | 26.24 | 276 | 241788 | 18.175 ng/ul | 98 |

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