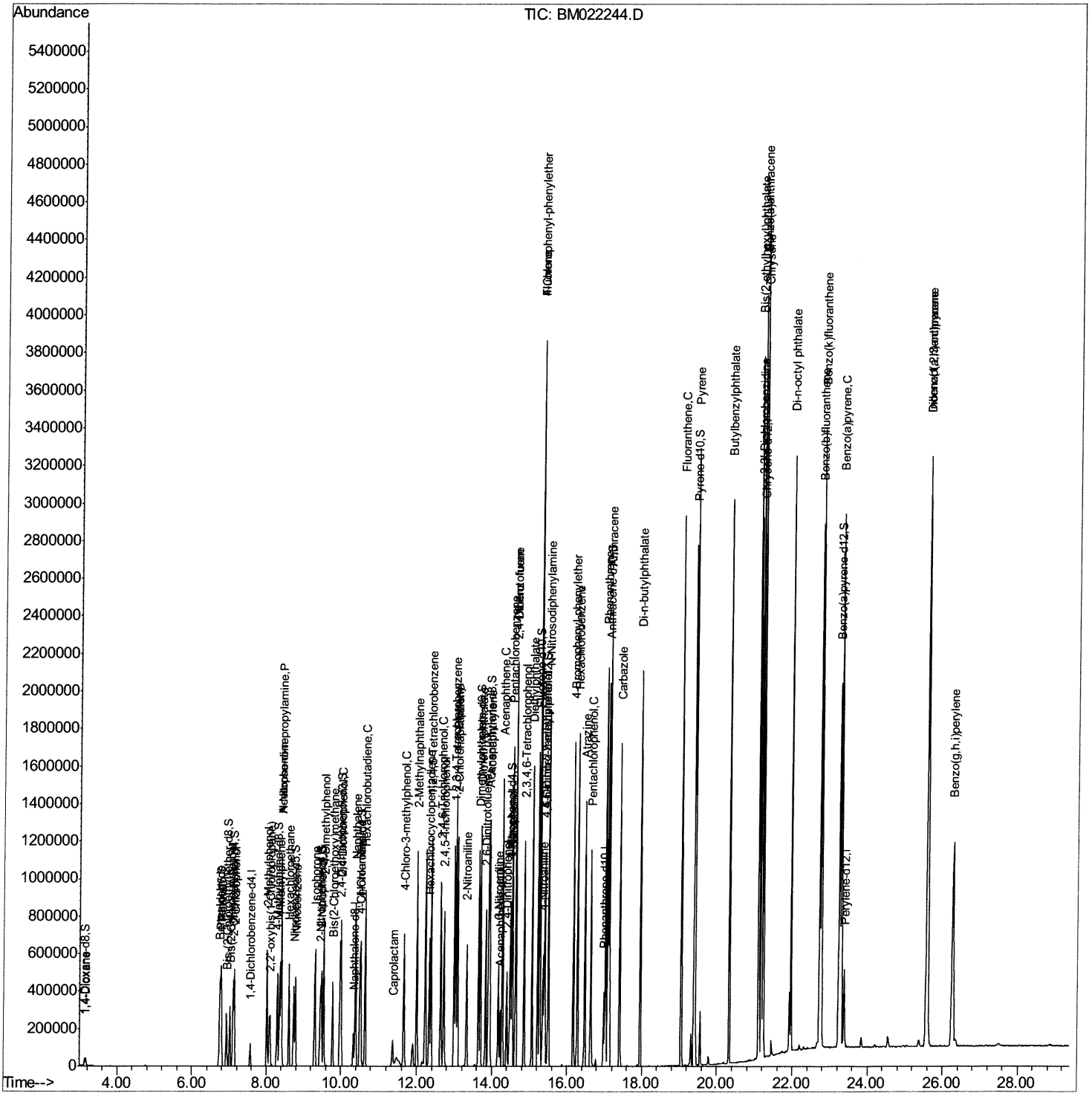
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082219\
Data File : BM022244.D
Acq On : 22 Aug 2019 18:34
Operator : HP/JU
Sample : SSTD08044
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 22 19:09:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 22 18:08:08 2019
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD08044

**Manual Integrations APPROVED**
mohammad
8/26/2019 8:28:55 AM



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Data File : BM022244.D
Acq On : 22 Aug 2019 18:34
Operator : HP/JU
Sample : SSTD08044
Misc :
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Quant Time: Aug 22 19:07:25 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

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**ClientSampleId :**
SSTD08044

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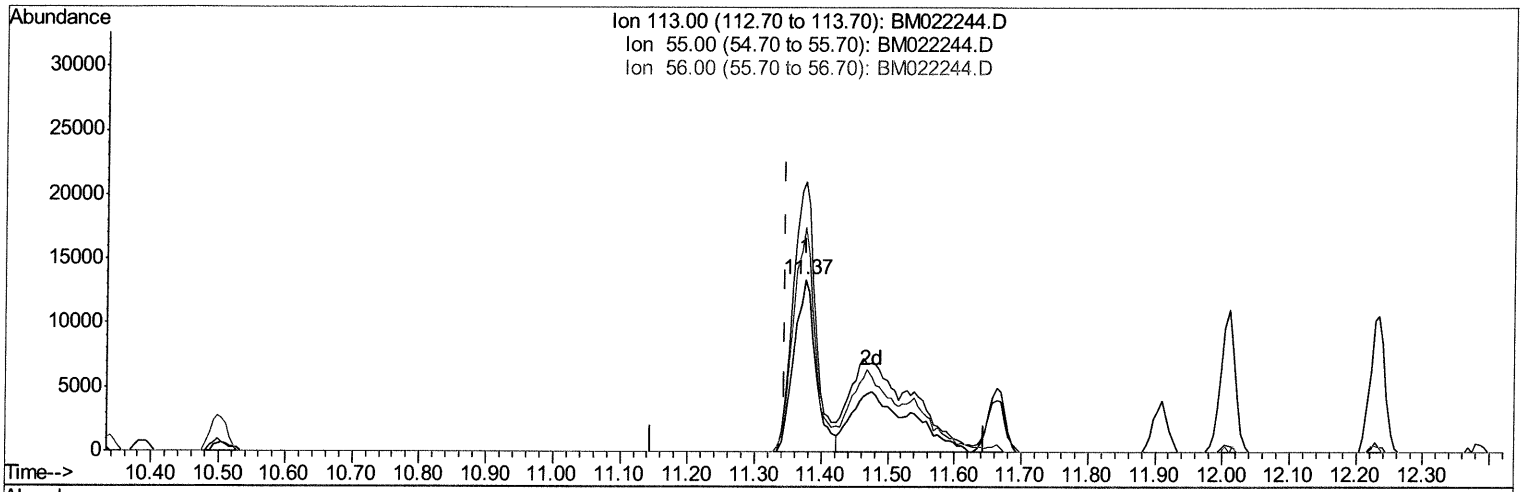
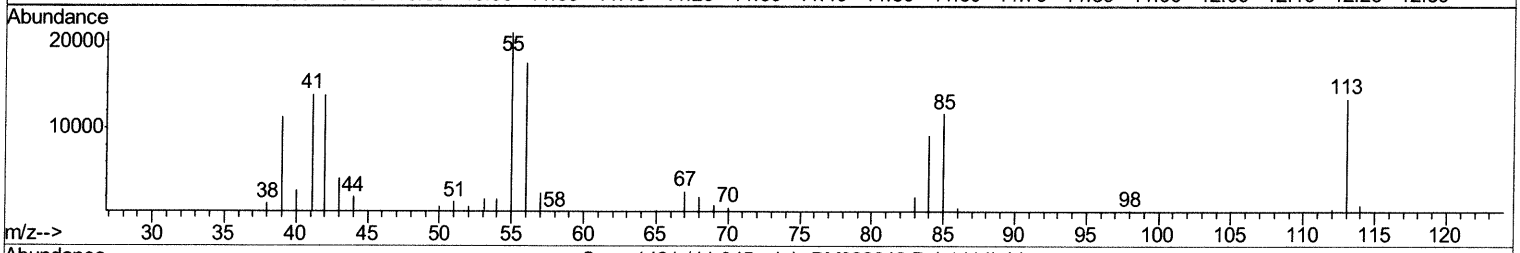
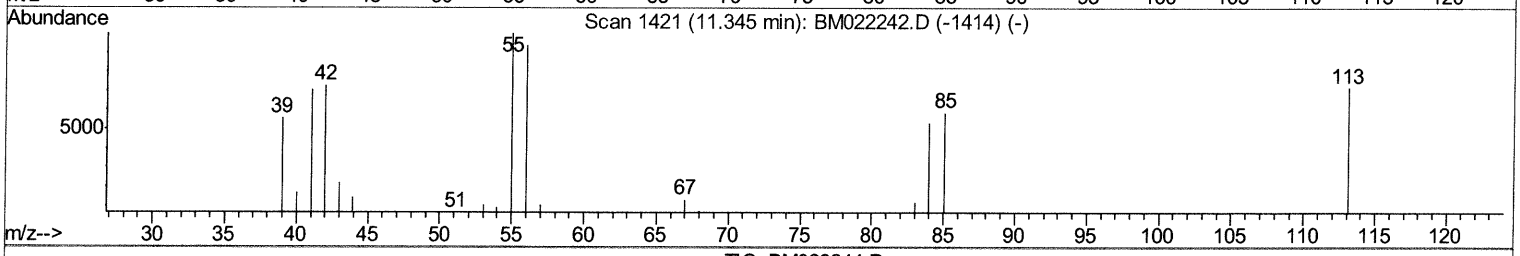
mohammad
8/26/2019 8:28:55 AM




TIC: BM022244.D

(32) Caprolactam

11.375min (+0.029) 52.65ng/ul

response 30682

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 139.50 | 157.06 |
| 56.00 | 130.80 | 130.83 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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**ClientSampleId :**
SSTD08044

**Manual Integrations APPROVED**
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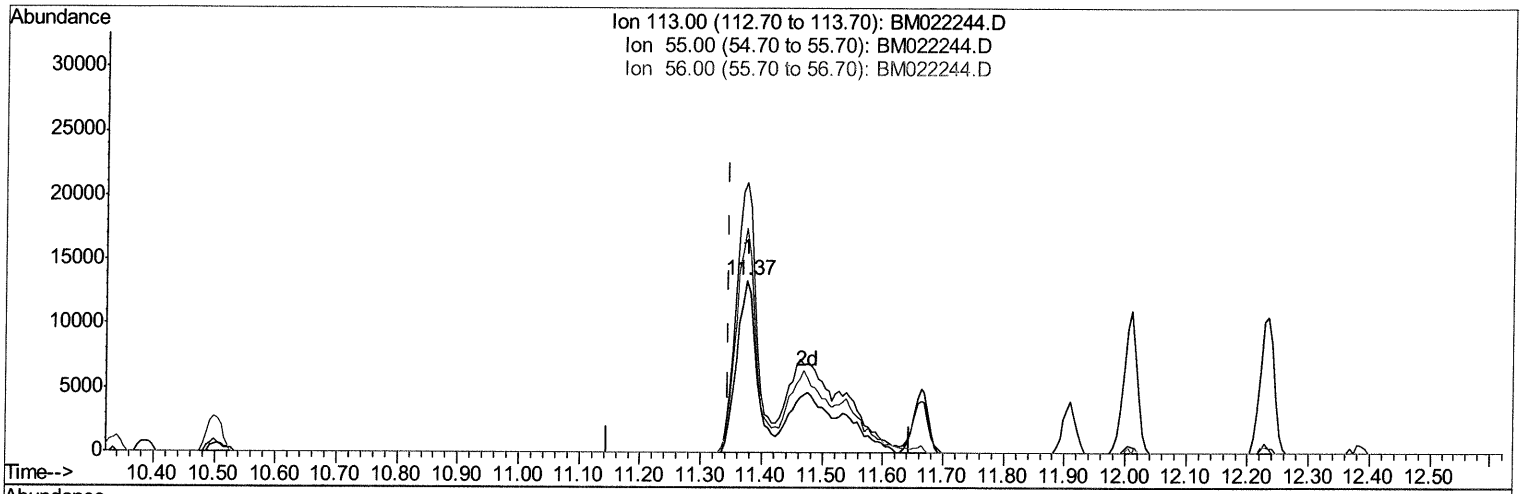
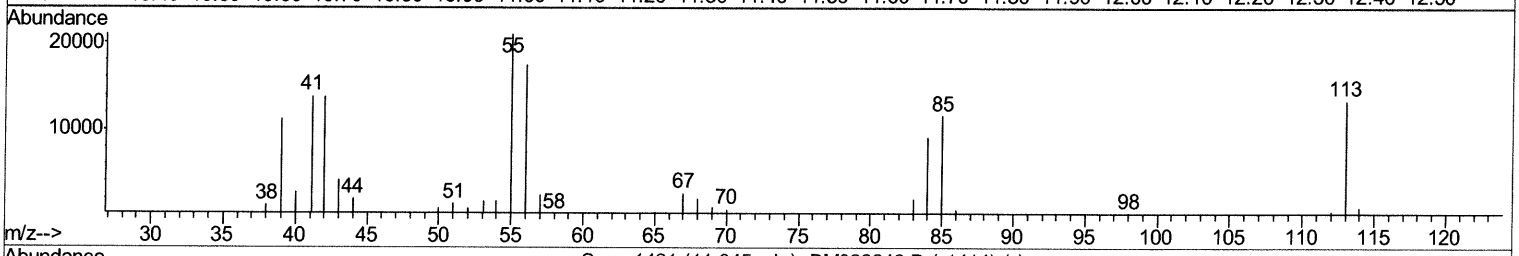
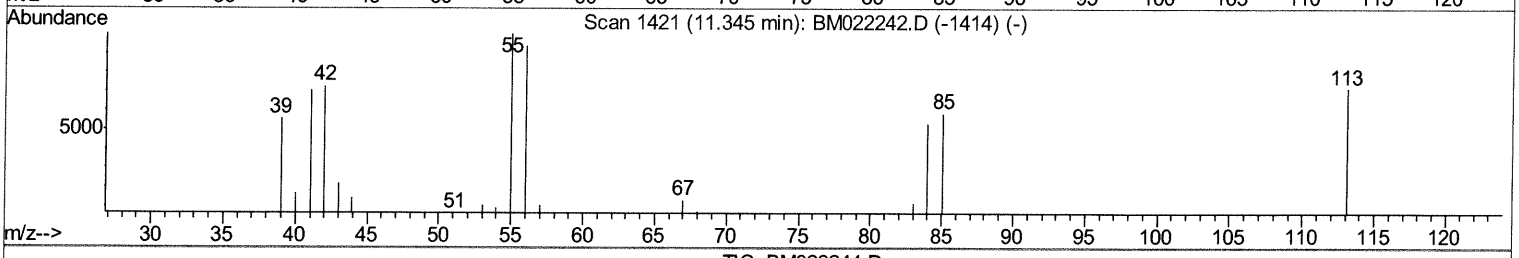
8/26/2019 8:28:55 AM




TIC: BM022244.D

(32) Caprolactam

11.375min (+0.029) 102.24ng/ul m JU 08/26/19

response 59581

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 139.50 | 157.06 |
| 56.00 | 130.80 | 130.83 |
| 0.00 | 0.00 | 0.00 |

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Quant Time: Aug 22 19:08:18 2019
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Quant Title : SVOA CALIBRATION
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**Instrument :**
BNA_M
**ClientSampleId :**
SSTD08044

**Manual Integrations APPROVED**
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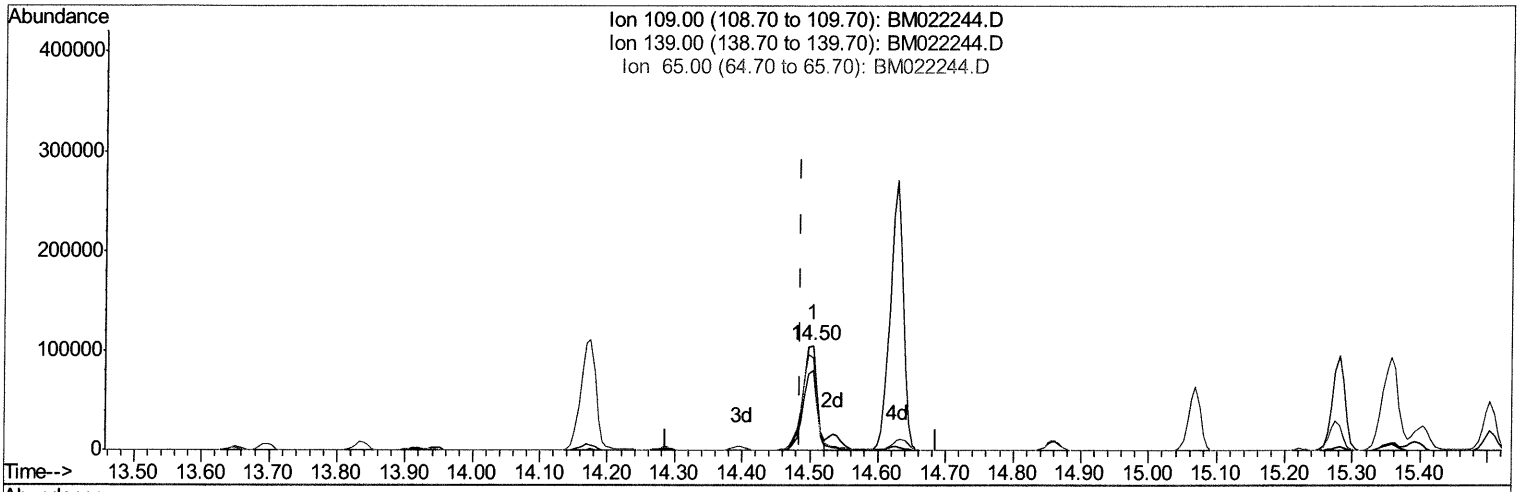


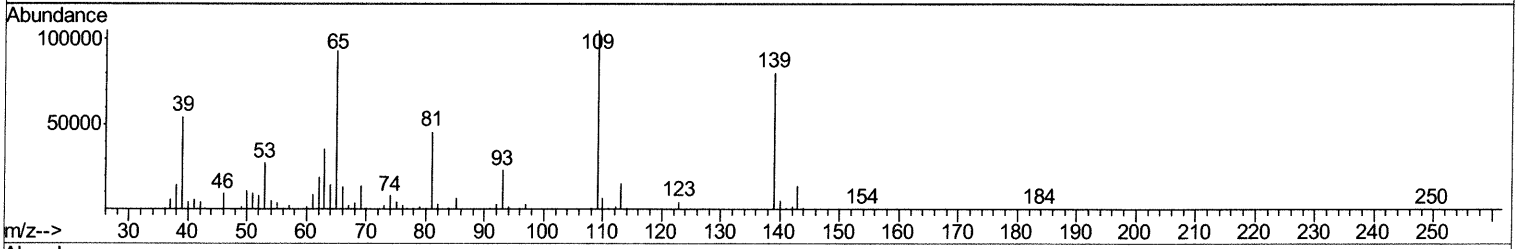


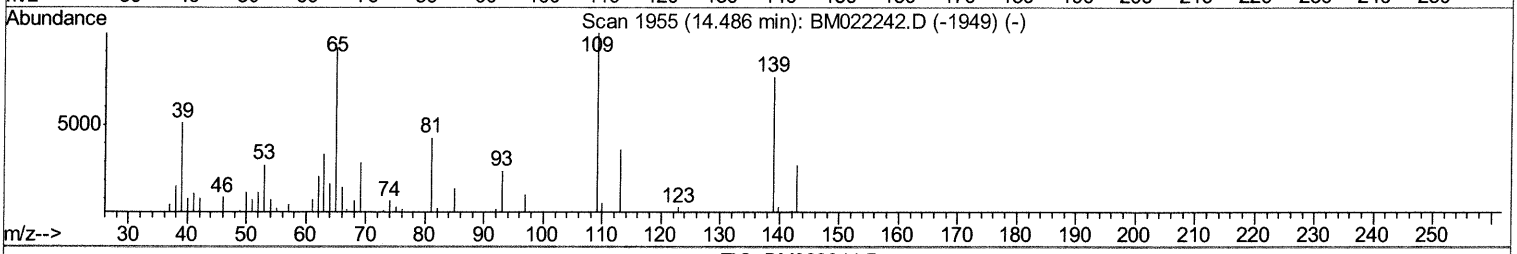


TIC: BM022244.D

(52) 4-Nitrophenol

14.504min (+0.018) 96.00ng/ul

response 152365

| Ion | Exp% | Act% |
|---|---|---|
| 109.00 | 100 | 100 |
| 139.00 | 76.20 | 76.38 |
| 65.00 | 91.80 | 88.67 |
| 0.00 | 0.00 | 0.00 |

# Quantitation Report (Qedit)

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 22 18:08:08 2019
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**Instrument :**
BNA_M
**ClientSampleId :**
SSTD08044

**Manual Integrations APPROVED**
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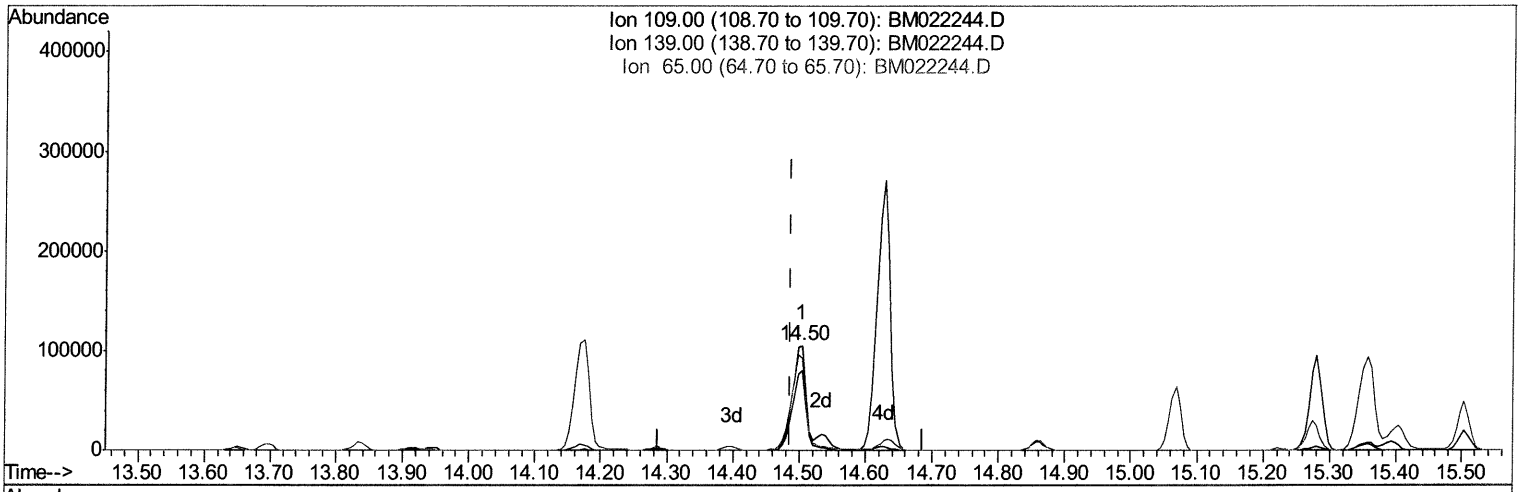
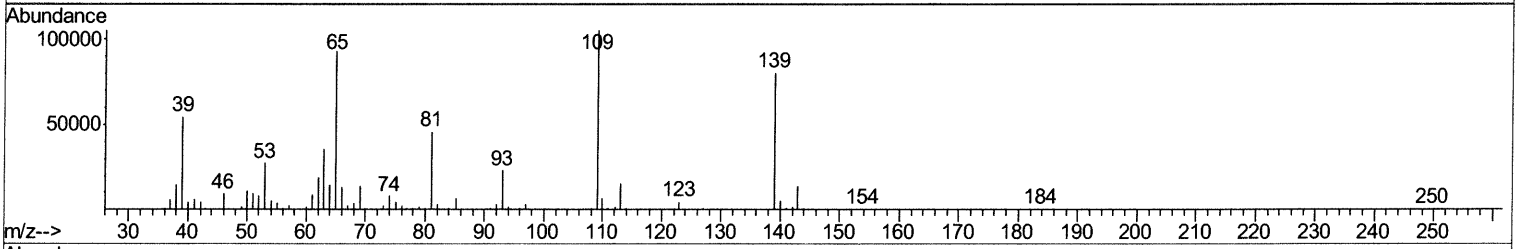
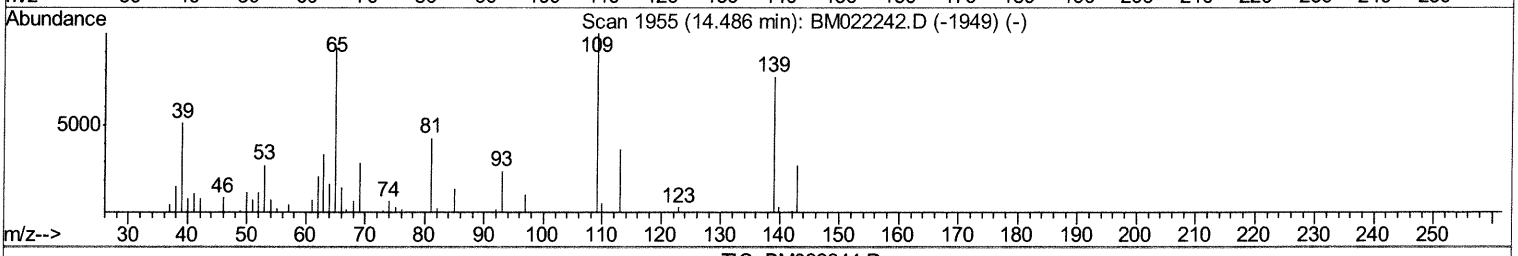
8/26/2019 8:28:55 AM




TIC: BM022244.D

(52) 4-Nitrophenol

14.504min (+0.018) 109.97ng/ul m JU 08/26/19

response 174530

| Ion | Exp% | Act% |
|---|---|---|
| 109.00 | 100 | 100 |
| 139.00 | 76.20 | 76.38 |
| 65.00 | 91.80 | 88.67 |
| 0.00 | 0.00 | 0.00 |

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 22 18:08:08 2019
Response via : Initial Calibration

**Instrument :** BNA_M
**ClientSampleId :** SSTD08044

**Manual Integrations APPROVED**
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8/26/2019 8:28:55 AM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.56 | 152 | 27182 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.33 | 136 | 127967 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.22 | 164 | 92539 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 16.98 | 188 | 212373 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.19 | 240 | 309232 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.39 | 264 | 291705 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.13 | 96 | 21178 | 31.91 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.76 | 99 | 200163 | 94.35 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.92 | 67 | 113697 | 89.73 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.10 | 132 | 164544 | 90.79 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.29 | 113 | 173926 | 99.74 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.73 | 128 | 82938 | 86.61 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.45 | 143 | 101277 | 92.43 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.97 | 165 | 203413 | 92.95 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.50 | 131 | 227617 | 92.31 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.65 | 166 | 683545 | 88.79 | ng/ul | 0.01 |
| 46) Acenaphthylene-d8 | 13.92 | 160 | 741131 | 84.61 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.49 | 143 | 109210 | 104.80 | ng/ul | 0.01 |
| 57) Fluorene-d10 | 15.23 | 176 | 591178 | 91.27 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 149265 | 100.89 | ng/ul | 0.01 |
| 70) Anthracene-d10 | 17.09 | 188 | 1029875 | 93.74 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.39 | 212 | 1361354 | 82.36 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.25 | 264 | 1476773 | 94.35 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.16 | 88 | 20945 | 26.984 | ng/uL | 94 |
| 4) Benzaldehyde | 6.73 | 77 | 113388 | 90.830 | ng/ul | 95 |
| 6) Phenol | 6.78 | 94 | 216040 | 95.239 | ng/ul | 97 |
| 8) Bis(2-Chloroethyl)ether | 7.02 | 93 | 150272 | 88.817 | ng/ul | 95 |
| 10) 2-Chlorophenol | 7.13 | 128 | 175454 | 92.446 | ng/ul | 97 |
| 11) 2-Methylphenol | 8.02 | 108 | 168254 | 98.943 | ng/ul | 98 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.09 | 45 | 191331 | 90.918 | ng/ul | 99 |
| 14) Acetophenone | 8.40 | 105 | 298703 | 100.847 | ng/ul | 96 |
| 15) N-Nitroso-di-n-propylamine | 8.40 | 70 | 156491 | 108.820 | ng/ul | 97 |
| 16) 4-Methylphenol | 8.36 | 108 | 185988 | 102.880 | ng/ul | 99 |
| 17) Hexachloroethane | 8.61 | 117 | 81376 | 85.270 | ng/ul | 98 |
| 20) Nitrobenzene | 8.78 | 77 | 233660 | 83.002 | ng/ul | 98 |
| 21) Isophorone | 9.30 | 82 | 430363 | 92.009 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.47 | 139 | 111210 | 92.045 | ng/ul | 95 |
| 24) 2,4-Dimethylphenol | 9.53 | 107 | 244076 | 89.548 | ng/ul | 97 |
| 25) Bis(2-Chloroethoxy)methane | 9.77 | 93 | 232985 | 88.518 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.00 | 162 | 208238 | 96.717 | ng/ul | 98 |
| 28) Naphthalene | 10.39 | 128 | 575585 | 82.414 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.53 | 127 | 241217 | 94.070 | ng/ul | 99 |
| 31) Hexachlorobutadiene | 10.64 | 225 | 183459 | 82.705 | ng/ul | 99 |
| 32) Caprolactam | 11.37 | 113 | 59581m | 102.242 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.66 | 107 | 221774 | 98.376 | ng/ul | 100 |
| 34) 2-Methylnaphthalene | 12.01 | 142 | 459126 | 91.422 | ng/ul | 96 |

JU 08/26/19

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**Instrument :** BNA_M
**ClientSampleId :** SSTD08044

**Manual Integrations APPROVED**
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8/26/2019 8:28:55 AM

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.38 | 216 | 330990 | 81.786 ng/ul | 98 |
| 37) Hexachlorocyclopentadiene | 12.33 | 237 | 177199 | 115.009 ng/ul | 99 |
| 38) 2,4,6-Trichlorophenol | 12.64 | 196 | 200361 | 90.197 ng/ul | 97 |
| 39) 2,4,5-Trichlorophenol | 12.72 | 196 | 211407 | 86.692 ng/ul | 99 |
| 40) 1,1'-Biphenyl | 13.05 | 154 | 639749 | 83.296 ng/ul | 99 |
| 41) 2-Chloronaphthalene | 13.09 | 162 | 500004 | 82.666 ng/ul | 98 |
| 42) 2-Nitroaniline | 13.33 | 65 | 165296 | 96.640 ng/ul | 98 |
| 44) Dimethylphthalate | 13.70 | 163 | 697568 | 88.816 ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 13.84 | 165 | 140405 | 95.512 ng/ul | 94 |
| 47) Acenaphthylene | 13.95 | 152 | 791755 | 86.092 ng/ul | 100 |
| 48) 3-Nitroaniline | 14.17 | 138 | 118830 | 91.500 ng/ul | 94 |
| 49) Acenaphthene | 14.29 | 153 | 548233 | 84.677 ng/ul | 100 |
| 50) 2,4-Dinitrophenol | 14.40 | 184 | 92071 | 115.609 ng/ul | 98 |
| 52) 4-Nitrophenol | 14.50 | 109 | 174530m | 109.967 ng/ul | ) JU 08/26/19 |
| 53) Dibenzofuran | 14.63 | 168 | 855769 | 91.667 ng/ul | 96 |
| 54) 2,4-Dinitrotoluene | 14.64 | 165 | 235270 | 107.186 ng/ul | 91 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.86 | 232 | 223898 | 99.729 ng/ul | 91 |
| 56) Diethylphthalate | 15.07 | 149 | 758722 | 93.117 ng/ul | 97 |
| 58) Fluorene | 15.28 | 166 | 784824 | 104.161 ng/ul | 98 |
| 59) 4-Chlorophenyl-phenylether | 15.27 | 204 | 490552 | 108.509 ng/ul | 97 |
| 60) 4-Nitroaniline | 15.36 | 138 | 127195 | 100.775 ng/ul | 98 |
| 63) 4,6-Dinitro-2-methylphenol | 15.41 | 198 | 163353 | 102.498 ng/ul# | 91 |
| 64) N-Nitrosodiphenylamine | 15.50 | 169 | 600042 | 90.970 ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.17 | 248 | 281397 | 93.677 ng/ul | 94 |
| 66) Hexachlorobenzene | 16.28 | 284 | 314784 | 94.908 ng/ul | 97 |
| 67) Atrazine | 16.47 | 200 | 281886 | 89.035 ng/ul | 99 |
| 68) Pentachlorophenol | 16.64 | 266 | 186775 | 99.278 ng/ul | 97 |
| 69) Phenanthrene | 17.03 | 178 | 1146083 | 91.627 ng/ul | 99 |
| 71) Anthracene | 17.12 | 178 | 1236344 | 95.806 ng/ul | 100 |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.00 | 216 | 331496 | 77.736 ng/uL | 98 |
| 73) Pentachlorobenzene | 14.54 | 250 | 368122 | 86.108 ng/uL | 99 |
| 74) Carbazole | 17.40 | 167 | 1012904 | 89.881 ng/ul | 99 |
| 75) Di-n-butylphthalate | 17.95 | 149 | 1365975 | 99.977 ng/ul | 100 |
| 76) Fluoranthene | 19.06 | 202 | 1649806 | 95.238 ng/ul# | 96 |
| 79) Pyrene | 19.42 | 202 | 1774254 | 85.171 ng/ul# | 95 |
| 80) Butylbenzylphthalate | 20.33 | 149 | 709750 | 86.562 ng/ul | 95 |
| 81) 3,3'-Dichlorobenzidine | 21.12 | 252 | 728442 | 95.297 ng/ul# | 98 |
| 82) Benzo(a)anthracene | 21.18 | 228 | 2066838 | 88.703 ng/ul | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 21.10 | 149 | 1088495 | 93.023 ng/ul# | 93 |
| 84) Chrysene | 21.23 | 228 | 1957402 | 89.511 ng/ul | 100 |
| 86) Di-n-octyl phthalate | 21.97 | 149 | 1852852 | 107.796 ng/ul | 100 |
| 87) Benzo(b)fluoranthene | 22.74 | 252 | 1946272 | 99.391 ng/ul# | 98 |
| 88) Benzo(k)fluoranthene | 22.78 | 252 | 1956310 | 101.808 ng/ul# | 98 |
| 90) Benzo(a)pyrene | 23.30 | 252 | 1866179 | 98.924 ng/ul# | 98 |
| 91) Indeno(1,2,3-cd)pyrene | 25.60 | 276 | 2062602 | 87.750 ng/ul | 97 |
| 92) Dibenzo(a,h)anthracene | 25.60 | 278 | 1836938 | 93.361 ng/ul | 98 |
| 93) Benzo(g,h,i)perylene | 26.27 | 276 | 1375425 | 73.657 ng/ul | 98 |

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