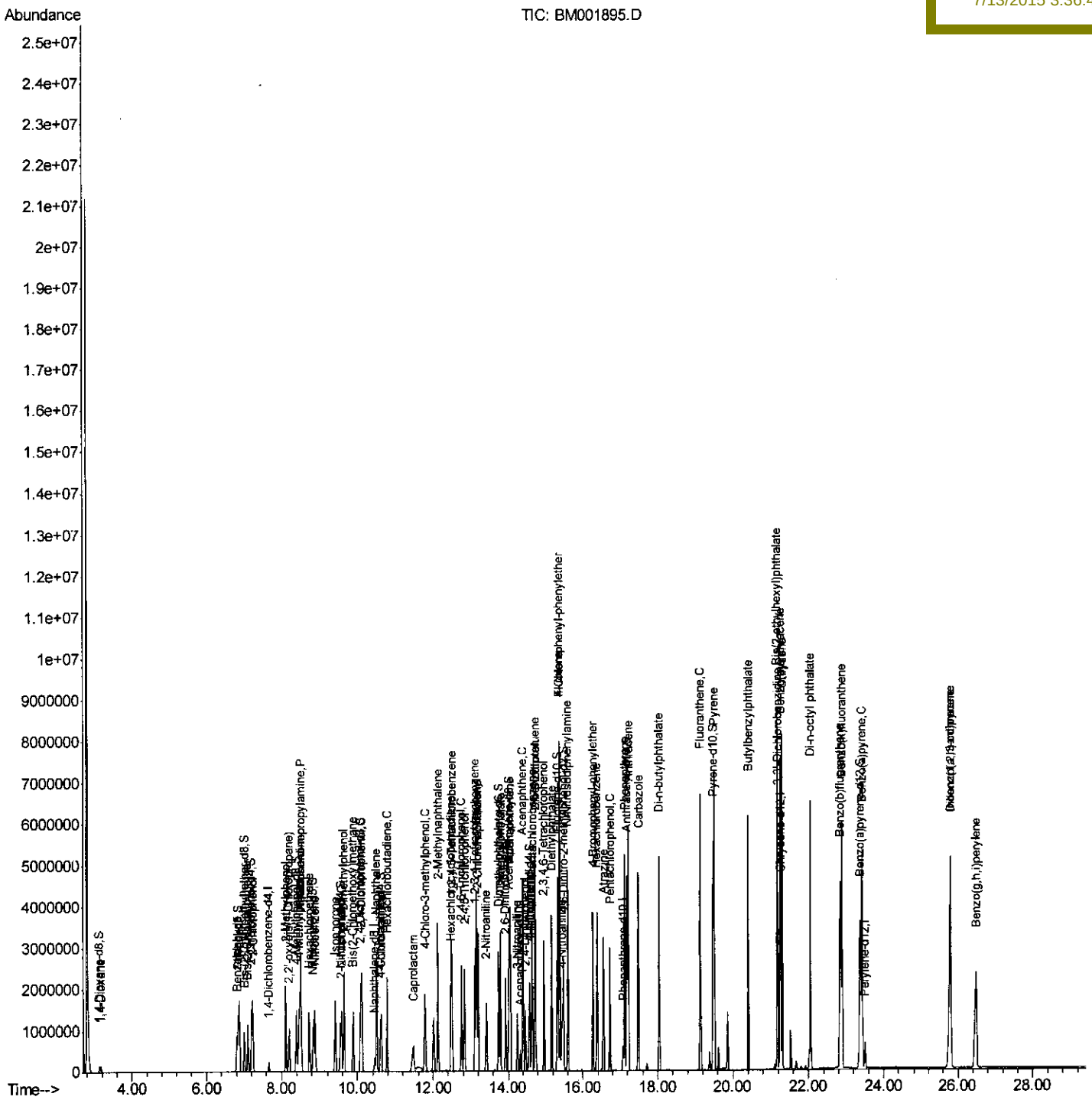
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071015\
Data File : BM001895.D
Acq On : 10 Jul 2015 16:14
Operator : TP/UM
Sample : SSTD08034
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 11 01:20:30 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071015.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 11 01:06:11 2015
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD08034

**Manual Integrations APPROVED**
apatel
7/13/2015 3:36:48 PM



Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071015\
Data File : BM001895.D
Acq On : 10 Jul 2015 16:14
Operator : TP/UM
Sample : SSTD08034
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 11 01:09:14 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071015.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 11 01:06:11 2015
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
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**Manual Integrations APPROVED**
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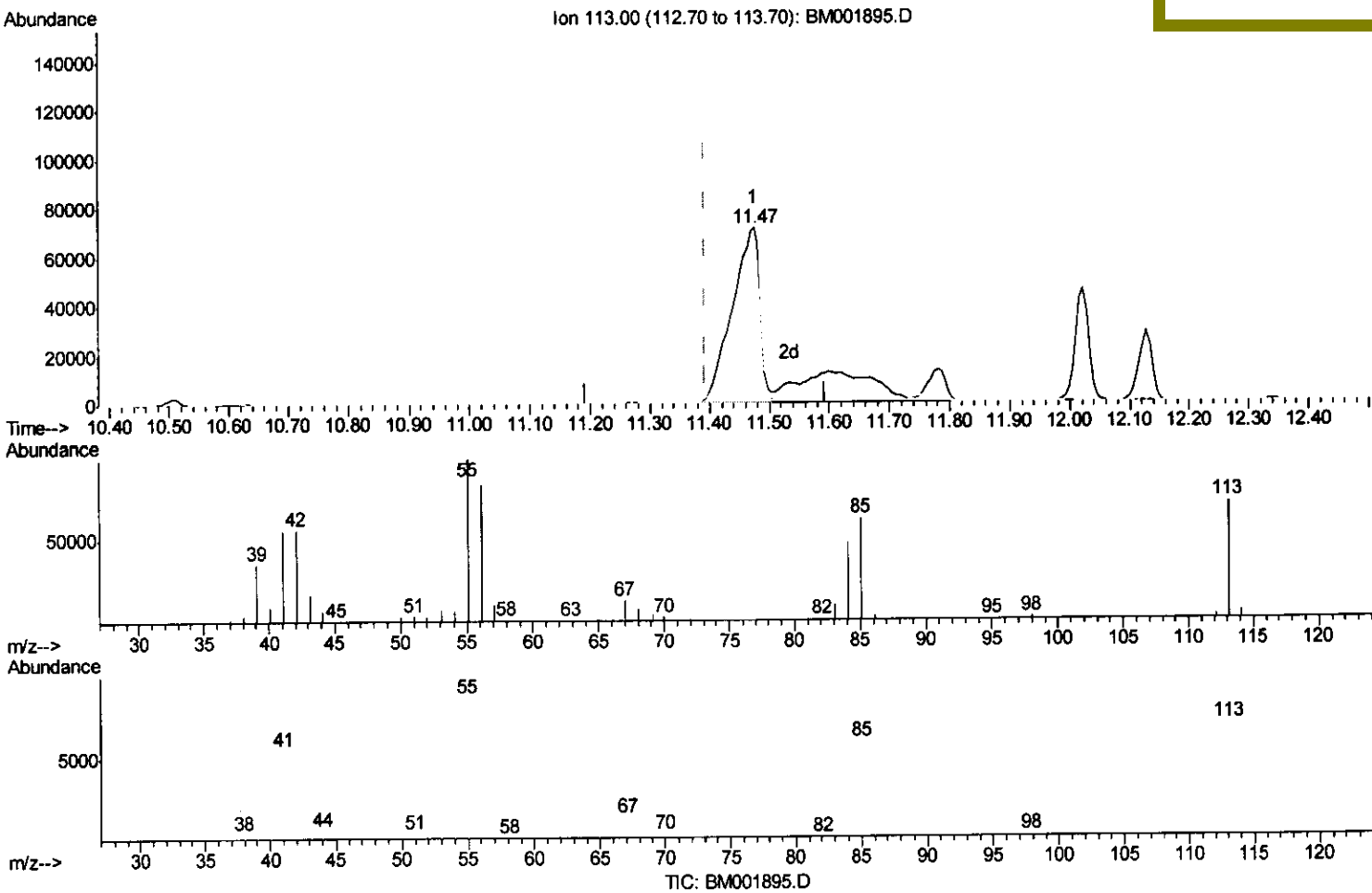


TIC: BM001895.D

(32) Caprolactam

11.475min (+0.083) 115.23ng/ul

response 233675

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 144.50 | 138.64 |
| 56.00 | 112.90 | 117.33 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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Sample : SSTD08034
Misc :
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Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD08034

**Manual Integrations APPROVED**
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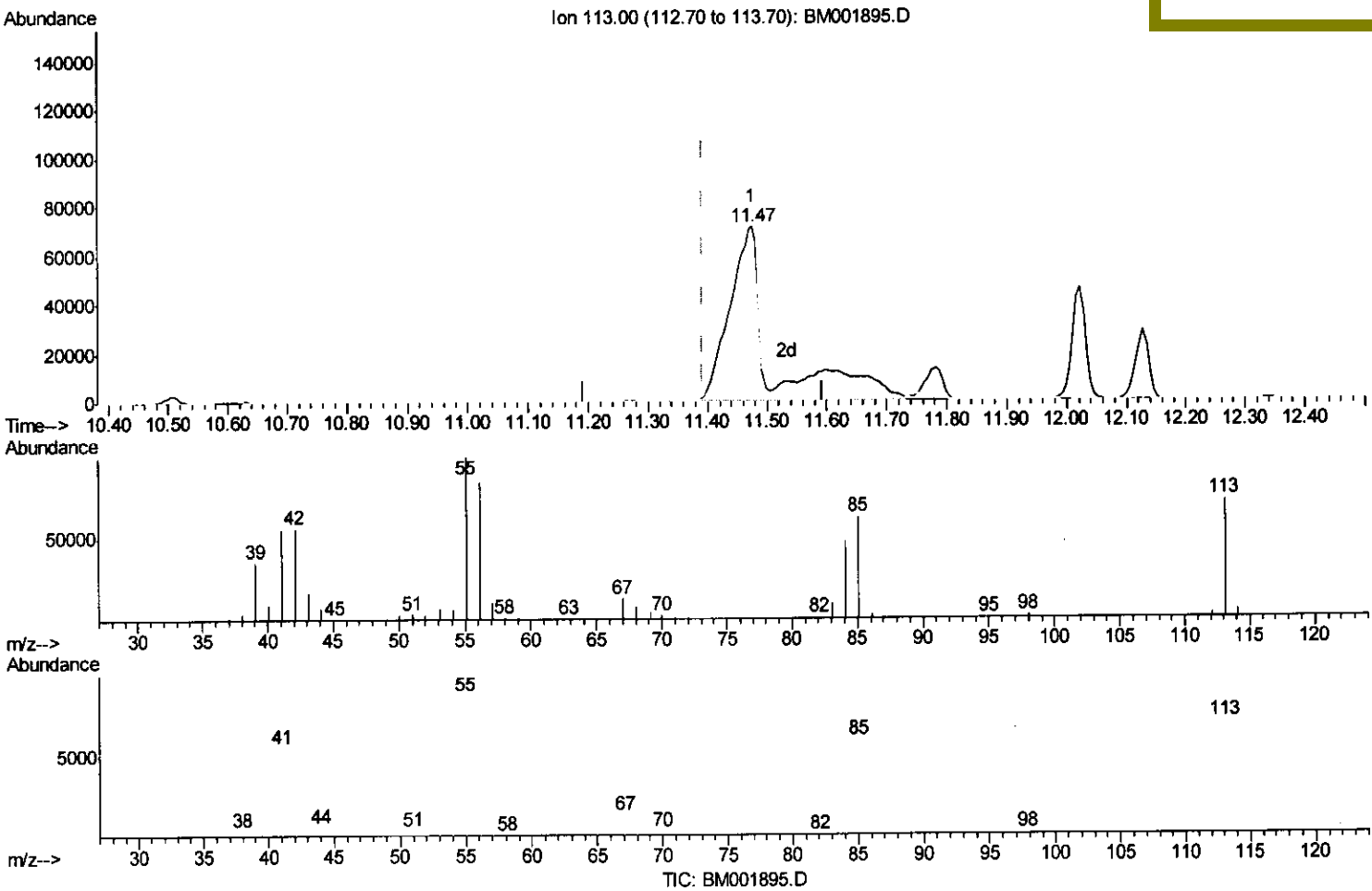


TIC: BM001895.D

(32) Caprolactam

11.475min (+0.083) 170.09ng/ul m

response 344943

F.P 7/20/15

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 144.50 | 138.64 |
| 56.00 | 112.90 | 117.33 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071015\
Data File : BM001895.D
Acq On : 10 Jul 2015 16:14
Operator : TP/UM
Sample : SSTD08034
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 11 01:09:14 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071015.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 11 01:06:11 2015
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD08034

**Manual Integrations APPROVED**
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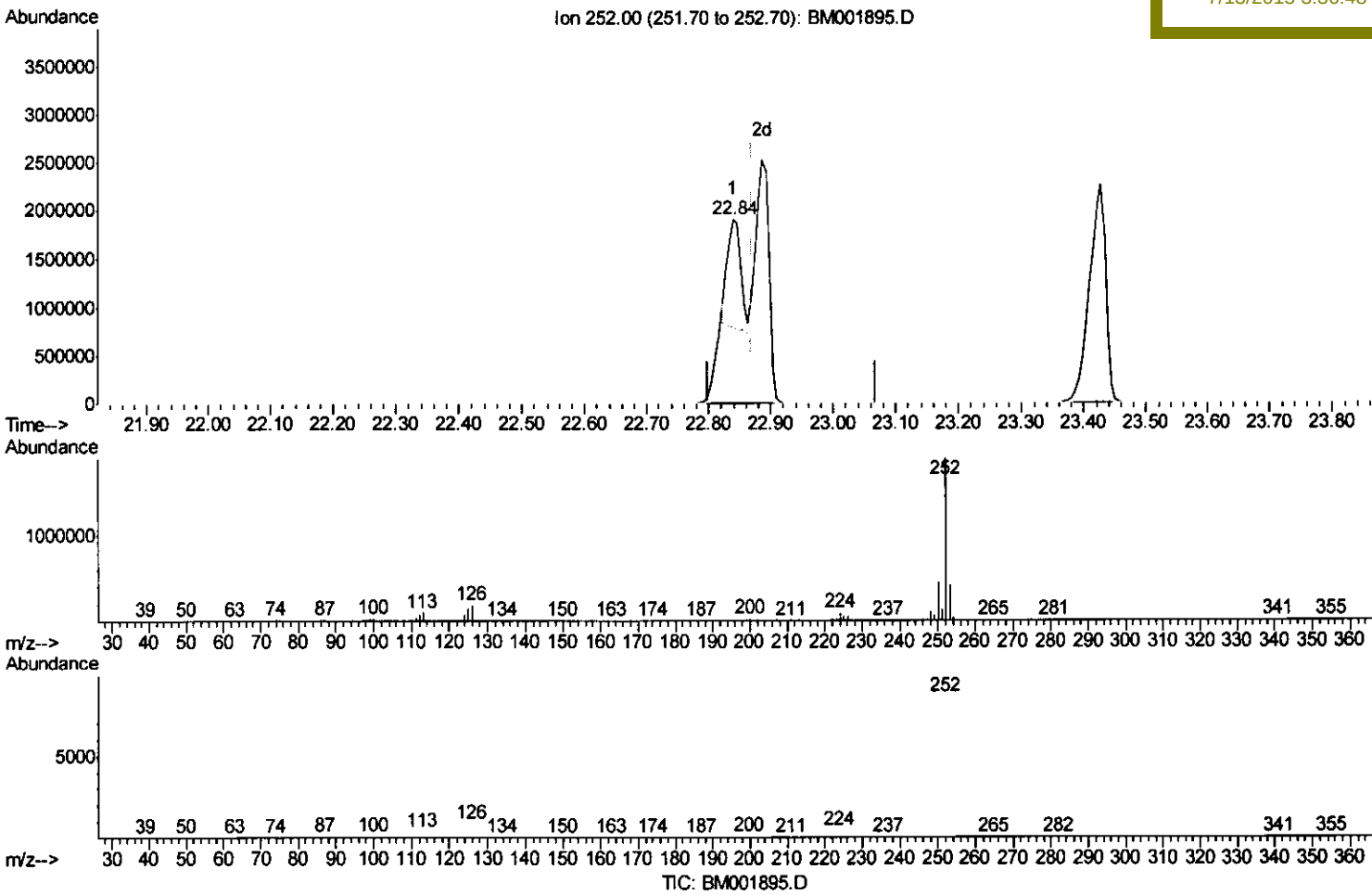


TIC: BM001895.D

(88) Benzo(k)fluoranthene

22.839min (-0.029) 51.17ng/ul

response 1668247

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.80 | 22.16 |
| 125.00 | 6.40 | 7.42 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071015\
Data File : BM001895.D
Acq On : 10 Jul 2015 16:14
Operator : TP/UM
Sample : SSTD08034
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 11 01:09:14 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071015.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 11 01:06:11 2015
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD08034

**Manual Integrations APPROVED**
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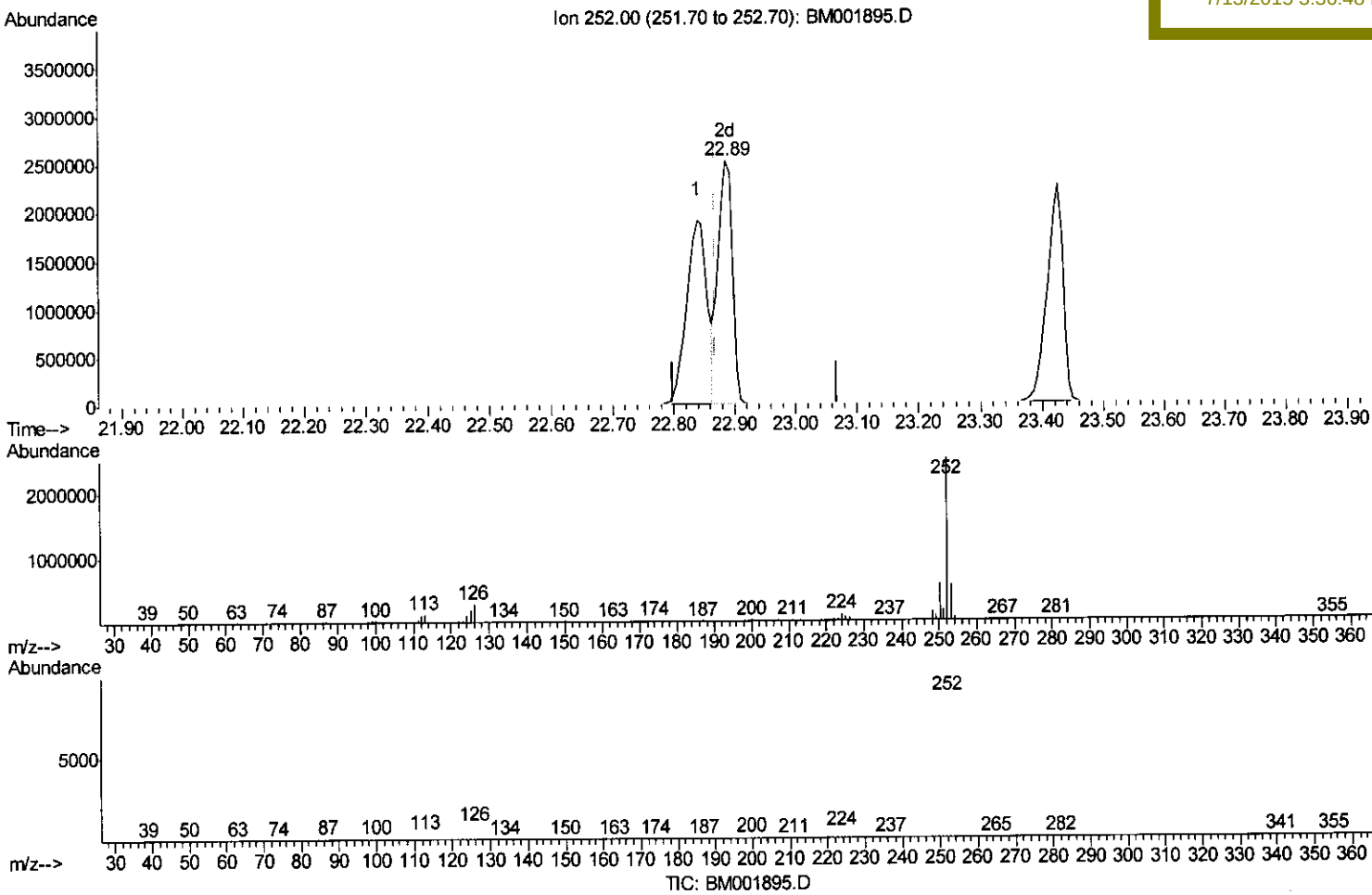


(88) Benzo(k)fluoranthene

22.886min (+0.018) 124.79ng/ul m

response 4068396

T.P 7/20/15

| Ion | Exp% | Act% |
|---|---|---|
| 252.00 | 100 | 100 |
| 253.00 | 21.80 | 22.11 |
| 125.00 | 6.40 | 7.80# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 11 01:06:11 2015
Response via : Initial Calibration

**Instrument :** BNA_M
**ClientSampleId :** SSTD08034

**Manual Integrations APPROVED**
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7/13/2015 3:36:48 PM

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.66 | 152 | 61971 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.45 | 136 | 283178 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.32 | 164 | 184036 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.07 | 188 | 429321 | 20.00 | ng/ul | 0.01 |
| 77) Chrysene-d12 | 21.27 | 240 | 516692 | 20.00 | ng/ul | 0.01 |
| 85) Perylene-d12 | 23.50 | 264 | 475686 | 20.00 | ng/ul | 0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.13 | 96 | 72508 | 47.61 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.85 | 99 | 873732 | 144.89 | ng/ul | 0.02 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.00 | 67 | 440544 | 133.57 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.20 | 132 | 696697 | 146.40 | ng/ul | 0.01 |
| 13) 4-Methylphenol-d8 | 8.39 | 113 | 718927 | 146.21 | ng/ul | 0.02 |
| 19) Nitrobenzene-d5 | 8.83 | 128 | 340613 | 138.19 | ng/ul | 0.01 |
| 22) 2-Nitrophenol-d4 | 9.55 | 143 | 399815 | 145.69 | ng/ul | 0.01 |
| 26) 2,4-Dichlorophenol-d3 | 10.09 | 165 | 788760 | 137.39 | ng/ul | 0.02 |
| 29) 4-Chloroaniline-d4 | 10.60 | 131 | 544307 | 89.86 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.75 | 166 | 2218605 | 129.28 | ng/ul | 0.02 |
| 46) Acenaphthylene-d8 | 14.02 | 160 | 2714962 | 124.34 | ng/ul | 0.01 |
| 51) 4-Nitrophenol-d4 | 14.57 | 143 | 399436 | 127.83 | ng/ul | 0.04 |
| 57) Fluorene-d10 | 15.32 | 176 | 1908373 | 123.07 | ng/ul | 0.01 |
| 62) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 454621 | 137.70 | ng/ul | 0.03 |
| 70) Anthracene-d10 | 17.18 | 188 | 2996812 | 122.60 | ng/ul | 0.02 |
| 78) Pyrene-d10 | 19.48 | 212 | 3382666 | 125.63 | ng/ul | 0.01 |
| 89) Benzo(a)pyrene-d12 | 23.37 | 264 | 3607195 | 134.20 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.16 | 88 | 74010 | 43.09 | ng/uL | 98 |
| 4) Benzaldehyde | 6.80 | 77 | 302916 | 79.58 | ng/ul | 97 |
| 6) Phenol | 6.87 | 94 | 899845 | 144.59 | ng/ul | 97 |
| 8) Bis(2-Chloroethyl)ether | 7.10 | 93 | 624072 | 136.23 | ng/ul | 98 |
| 10) 2-Chlorophenol | 7.23 | 128 | 703739 | 143.40 | ng/ul | 99 |
| 11) 2-Methylphenol | 8.11 | 108 | 684211 | 147.06 | ng/ul | 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.20 | 45 | 711422 | 130.05 | ng/ul | 98 |
| 14) Acetophenone | 8.50 | 105 | 1107583 | 142.92 | ng/ul | 100 |
| 15) N-Nitroso-di-n-propylamine | 8.51 | 70 | 560440 | 146.31 | ng/ul | 99 |
| 16) 4-Methylphenol | 8.46 | 108 | 748849 | 147.57 | ng/ul | 97 |
| 17) Hexachloroethane | 8.73 | 117 | 260619 | 135.57 | ng/ul | 97 |
| 20) Nitrobenzene | 8.87 | 77 | 811156 | 125.91 | ng/ul | 100 |
| 21) Isophorone | 9.41 | 82 | 1496500 | 134.09 | ng/ul | 98 |
| 23) 2-Nitrophenol | 9.58 | 139 | 420282 | 140.93 | ng/ul | 99 |
| 24) 2,4-Dimethylphenol | 9.65 | 107 | 865497 | 130.37 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 9.88 | 93 | 871312 | 128.29 | ng/ul | 100 |
| 27) 2,4-Dichlorophenol | 10.12 | 162 | 756746 | 136.98 | ng/ul | 98 |
| 28) Naphthalene | 10.50 | 128 | 2183806 | 125.96 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.62 | 127 | 556654 | 90.54 | ng/ul | 95 |
| 31) Hexachlorobutadiene | 10.78 | 225 | 511909 | 124.80 | ng/ul | 99 |
| 32) Caprolactam | 11.47 | 113 | 344943m | 170.09 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.78 | 107 | 801837 | 135.00 | ng/ul | 100 |
| 34) 2-Methylnaphthalene | 12.13 | 142 | 1656025 | 130.34 | ng/ul | 100 |

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Quantitation Report (QT Reviewed)

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Sample : SSTD08034
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 11 01:20:30 2015
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Jul 11 01:06:11 2015
Response via : Initial Calibration

**Instrument :** BNA_M
**ClientSampleId :** SSTD08034

**Manual Integrations APPROVED**
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7/13/2015 3:36:48 PM

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.50 | 216 | 1008354 | 121.81 ng/ul | 97 |
| 37) Hexachlorocyclopentadiene | 12.47 | 237 | 624838 | 126.60 ng/ul | 99 |
| 38) 2,4,6-Trichlorophenol | 12.75 | 196 | 656831 | 131.71 ng/ul | 99 |
| 39) 2,4,5-Trichlorophenol | 12.83 | 196 | 710518 | 130.29 ng/ul | 97 |
| 40) 1,1'-Biphenyl | 13.16 | 154 | 2209031 | 121.39 ng/ul | 100 |
| 41) 2-Chloronaphthalene | 13.20 | 162 | 1745182 | 122.30 ng/ul | 99 |
| 42) 2-Nitroaniline | 13.42 | 65 | 514357 | 131.20 ng/ul | 99 |
| 44) Dimethylphthalate | 13.79 | 163 | 2235041 | 122.36 ng/ul | 100 |
| 45) 2,6-Dinitrotoluene | 13.93 | 165 | 498708 | 139.13 ng/ul | 97 |
| 47) Acenaphthylene | 14.05 | 152 | 2744847 | 123.17 ng/ul | 99 |
| 48) 3-Nitroaniline | 14.25 | 138 | 359697 | 106.20 ng/ul | 98 |
| 49) Acenaphthene | 14.39 | 153 | 1836511 | 123.96 ng/ul | 99 |
| 50) 2,4-Dinitrophenol | 14.46 | 184 | 341709 | 151.99 ng/ul | 95 |
| 52) 4-Nitrophenol | 14.59 | 109 | 379497 | 119.92 ng/ul | 98 |
| 53) Dibenzofuran | 14.73 | 168 | 2663310 | 124.77 ng/ul | 99 |
| 54) 2,4-Dinitrotoluene | 14.72 | 165 | 730927 | 138.81 ng/ul | 88 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.96 | 232 | 653386 | 137.11 ng/ul | 99 |
| 56) Diethylphthalate | 15.16 | 149 | 2232692 | 126.63 ng/ul | 99 |
| 58) Fluorene | 15.38 | 166 | 2265171 | 126.96 ng/ul | 100 |
| 59) 4-Chlorophenyl-phenylether | 15.37 | 204 | 1223825 | 127.10 ng/ul | 99 |
| 60) 4-Nitroaniline | 15.44 | 138 | 439256 | 116.96 ng/ul | 99 |
| 63) 4,6-Dinitro-2-methylphenol | 15.49 | 198 | 482187 | 137.35 ng/ul | 95 |
| 64) N-Nitrosodiphenylamine | 15.59 | 169 | 1922825 | 124.98 ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.27 | 248 | 752137 | 127.22 ng/ul | 97 |
| 66) Hexachlorobenzene | 16.38 | 284 | 817773 | 124.45 ng/ul | 100 |
| 67) Atrazine | 16.56 | 200 | 745880 | 119.35 ng/ul | 99 |
| 68) Pentachlorophenol | 16.73 | 266 | 559386 | 135.15 ng/ul | 99 |
| 69) Phenanthrene | 17.12 | 178 | 3438198 | 121.38 ng/ul | 99 |
| 71) Anthracene | 17.22 | 178 | 3565752 | 122.36 ng/ul | 99 |
| 72) 1,2,3,4-Tetrachlorobenzene | 13.12 | 216 | 1003815 | 123.19 ng/uL | 100 |
| 73) Pentachlorobenzene | 14.64 | 250 | 959299 | 124.03 ng/uL | 99 |
| 74) Carbazole | 17.49 | 167 | 3135012 | 122.31 ng/ul | 99 |
| 75) Di-n-butylphthalate | 18.04 | 149 | 3758501 | 132.65 ng/ul | 99 |
| 76) Fluoranthene | 19.14 | 202 | 4199628 | 123.07 ng/ul | 98 |
| 79) Pyrene | 19.51 | 202 | 4376193 | 124.21 ng/ul | 97 |
| 80) Butylbenzylphthalate | 20.40 | 149 | 1777357 | 143.62 ng/ul | 97 |
| 81) 3,3'-Dichlorobenzidine | 21.19 | 252 | 1288780 | 108.86 ng/ul | 100 |
| 82) Benzo(a)anthracene | 21.26 | 228 | 4467853 | 120.92 ng/ul | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 2671885 | 144.99 ng/ul | 99 |
| 84) Chrysene | 21.32 | 228 | 4140475 | 118.93 ng/ul | 98 |
| 86) Di-n-octyl phthalate | 22.05 | 149 | 4501175 | 148.11 ng/ul | 100 |
| 87) Benzo(b)fluoranthene | 22.84 | 252 | 4473752 | 130.42 ng/ul | 98 |
| 88) Benzo(k)fluoranthene | 22.89 | 252 | 4068396m | 124.79 ng/ul | |
| 90) Benzo(a)pyrene | 23.43 | 252 | 4076693 | 123.33 ng/ul | 99 |
| 91) Indeno(1,2,3-cd)pyrene | 25.80 | 276 | 4176417 | 106.68 ng/ul# | 94 |
| 92) Dibenzo(a,h)anthracene | 25.80 | 278 | 3600286 | 108.73 ng/ul | 98 |
| 93) Benzo(g,h,i)perylene | 26.48 | 276 | 3328055 | 101.56 ng/ul | 100 |

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