Quantitation Report (QT Reviewed)

Data Path : %:\HPCHEM1\BNA_M\DATA\BM032115\
Data File : BM000748.D
Acq On : 20 Mar 2015 20:50
Operator : TP/IZ
Sample : SSTD04008
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 21 01:15:26 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM032115.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Mar 21 01:49:30 2015
Response via : Initial Calibration

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD04008

**Manual Integrations APPROVED**
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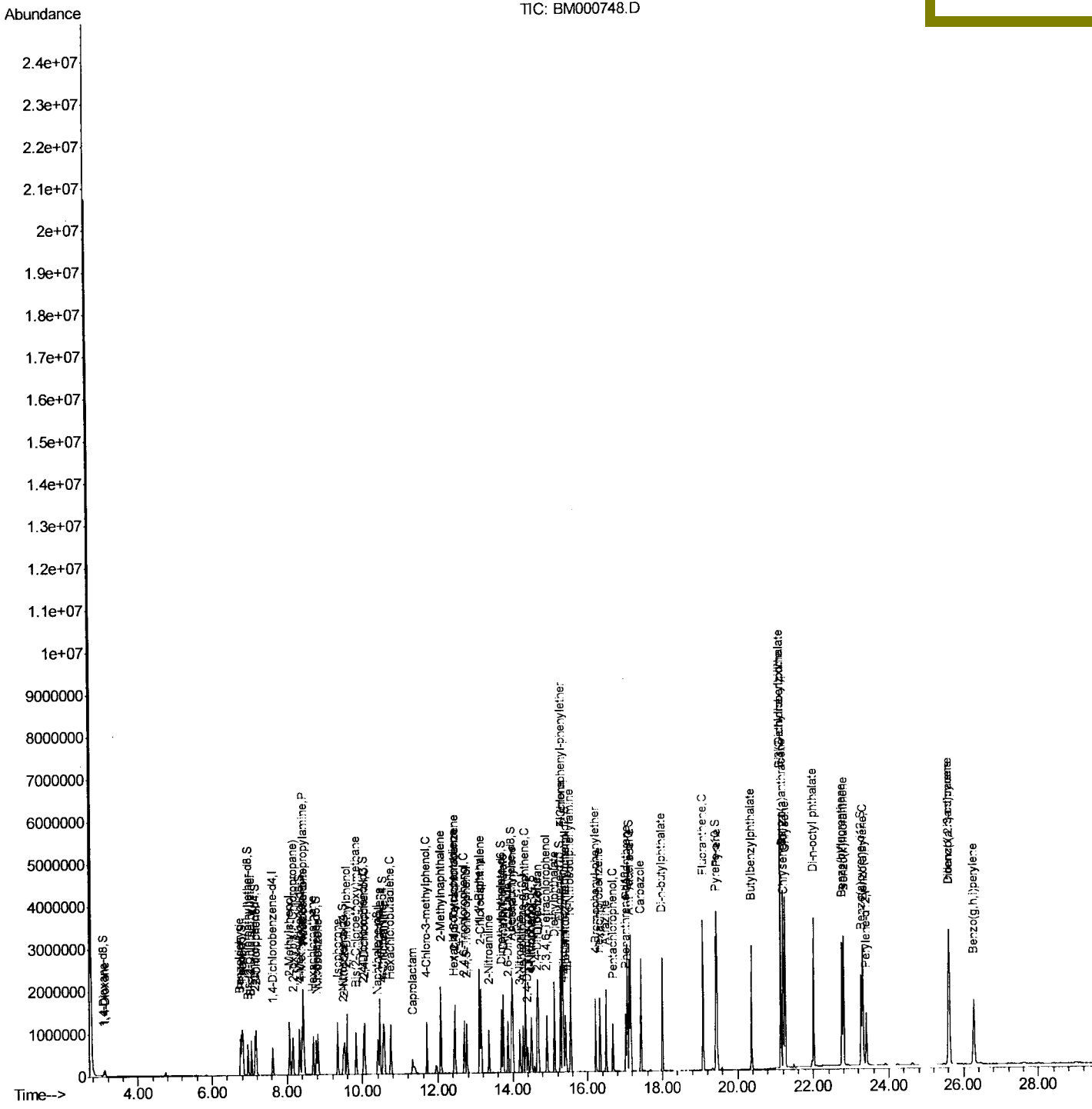

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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 1,2,4,5-Tetrachlorobenzene | 12.45 | 216 | 450409 | 40.13 | ng/ul | 99 |
| 37) Hexachlorocyclopentadiene | 12.43 | 237 | 255227 | 41.21 | ng/ul | 95 |
| 38) 2,4,6-Trichlorophenol | 12.70 | 196 | 275419 | 46.32 | ng/ul | 98 |
| 39) 2,4,5-Trichlorophenol | 12.77 | 196 | 298911 | 43.43 | ng/ul | 95 |
| 40) 1,1'-Biphenyl | 13.10 | 154 | 1232759 | 40.40 | ng/ul | 98 |
| 41) 2-Chloronaphthalene | 13.14 | 162 | 937991 | 40.16 | ng/ul | 99 |
| 42) 2-Nitroaniline | 13.36 | 65 | 266441 | 49.00 | ng/ul | 95 |
| 44) Dimethylphthalate | 13.74 | 163 | 1117822 | 41.14 | ng/ul | 99 |
| 45) 2,6-Dinitrotoluene | 13.86 | 165 | 230556 | 46.99 | ng/ul | 91 |
| 47) Acenaphthylene | 13.99 | 152 | 1564550 | 41.08 | ng/ul | 99 |
| 48) 3-Nitroaniline | 14.19 | 138 | 238397 | 46.01 | ng/ul | 96 |
| 49) Acenaphthene | 14.34 | 153 | 1012413 | 40.32 | ng/ul | 98 |
| 50) 2,4-Dinitrophenol | 14.40 | 184 | 112755 | 40.84 | ng/ul | 96 |
| 52) 4-Nitrophenol | 14.50 | 109 | 152871 | 42.44 | ng/ul | 97 |
| 53) Dibenzofuran | 14.67 | 168 | 1415787 | 39.89 | ng/ul | 100 |
| 54) 2,4-Dinitrotoluene | 14.65 | 165 | 333856 | 44.88 | ng/ul# | 100 |
| 55) 2,3,4,6-Tetrachlorophenol | 14.91 | 232 | 246876 | 45.11 | ng/ul | 98 |
| 56) Diethylphthalate | 15.11 | 149 | 1120842 | 42.49 | ng/ul | 100 |
| 58) Fluorene | 15.33 | 166 | 1167302 | 40.05 | ng/ul | 98 |
| 59) 4-Chlorophenyl-phenylether | 15.33 | 204 | 543146 | 39.42 | ng/ul | 98 |
| 60) 4-Nitroaniline | 15.36 | 138 | 258837 | 43.25 | ng/ul | 99 |
| 63) 4,6-Dinitro-2-methylphenol | 15.42 | 198 | 193001 | 41.52 | ng/ul | 99 |
| 64) N-Nitrosodiphenylamine | 15.55 | 169 | 977217 | 41.85 | ng/ul | 99 |
| 65) 4-Bromophenyl-phenylether | 16.22 | 248 | 306716 | 41.82 | ng/ul | 98 |
| 66) Hexachlorobenzene | 16.33 | 284 | 334659 | 40.85 | ng/ul | 94 |
| 67) Atrazine | 16.50 | 200 | 319607 | 41.75 | ng/ul | 96 |
| 68) Pentachlorophenol | 16.68 | 266 | 183320 | 42.88 | ng/ul | 95 |
| 69) Phenanthrene | 17.06 | 178 | 1782515 | 40.04 | ng/ul | 100 |
| 71) Anthracene | 17.16 | 178 | 1819606 | 40.23 | ng/ul | 99 |
| 72) Carbazole | 17.43 | 167 | 1652700 | 40.82 | ng/ul | 98 |
| 73) Di-n-butylphthalate | 18.00 | 149 | 1866723 | 46.24 | ng/ul | 100 |
| 74) Fluoranthene | 19.09 | 202 | 1975193 | 40.51 | ng/ul | 100 |
| 77) Pyrene | 19.45 | 202 | 2115289 | 40.46 | ng/ul | 100 |
| 78) Butylbenzylphthalate | 20.36 | 149 | 805273 | 47.96 | ng/ul | 99 |
| 79) 3,3'-Dichlorobenzidine | 21.14 | 252 | 568947 | 44.49 | ng/ul | 98 |
| 80) Benzo(a)anthracene | 21.20 | 228 | 1950469 | 39.91 | ng/ul | 99 |
| 81) Bis(2-ethylhexyl)phthalate | 21.14 | 149 | 1208410 | 48.19 | ng/ul | 99 |
| 82) Chrysene | 21.26 | 228 | 1868619 | 39.46 | ng/ul | 99 |
| 84) Di-n-octyl phthalate | 22.00 | 149 | 2099218 | 44.79 | ng/ul | 100 |
| 85) Benzo(b)fluoranthene | 22.76 | 252 | 1904557 | 41.20 | ng/ul | 98 |
| 86) Benzo(k)fluoranthene | 22.80 | 252 | 1867803 | 41.53 | ng/ul | 98 |
| 88) Benzo(a)pyrene | 23.32 | 252 | 1849600 | 41.33 | ng/ul | 98 |
| 89) Indeno(1,2,3-cd)pyrene | 25.60 | 276 | 2051792 | 41.66 | ng/ul | 98 |
| 90) Dibenzo(a,h)anthracene | 25.61 | 278 | 1718967 | 41.32 | ng/ul | 98 |
| 91) Benzo(g,h,i)perylene | 26.27 | 276 | 1742046 | 41.42 | ng/ul | 98 |

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

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**Instrument :** BNA_M
**ClientSampleId :** SSTD04008

**Manual Integrations APPROVED**
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| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.62 | 152 | 161716 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.40 | 136 | 665351 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.27 | 164 | 364141 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.02 | 188 | 774770 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.22 | 240 | 831932 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.41 | 264 | 766343 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.08 | 96 | 53077 | 15.66 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.79 | 99 | 502671 | 41.05 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.96 | 67 | 311885 | 42.48 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.15 | 132 | 406318 | 41.36 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.33 | 113 | 394294 | 41.26 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.77 | 128 | 185760 | 43.71 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.49 | 143 | 202399 | 44.16 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.03 | 165 | 383029 | 41.21 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.55 | 131 | 486906 | 44.59 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.69 | 166 | 978419 | 42.12 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.97 | 160 | 1419822 | 42.18 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.49 | 143 | 198526 | 41.30 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.27 | 176 | 956842 | 39.46 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 174481 | 41.80 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.12 | 188 | 1433229 | 40.70 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.42 | 212 | 1510096 | 40.58 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.27 | 264 | 1388936 | 41.96 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.11 | 88 | 61470 | 15.41 | ng/uL | 98 |
| 4) Benzaldehyde | 6.76 | 77 | 286994 | 42.35 | ng/ul | 98 |
| 6) Phenol | 6.82 | 94 | 549835 | 40.91 | ng/ul | 98 |
| 8) Bis(2-Chloroethyl)ether | 7.05 | 93 | 430098 | 41.22 | ng/ul | 99 |
| 10) 2-Chlorophenol | 7.18 | 128 | 435587 | 40.65 | ng/ul | 99 |
| 11) 2-Methylphenol | 8.06 | 108 | 409758 | 40.98 | ng/ul | 100 |
| 12) 2,2'-oxybis(1-Chloropropan | 8.16 | 45 | 754713 | 42.13 | ng/ul | 99 |
| 14) Acetophenone | 8.44 | 105 | 635138 | 40.87 | ng/ul | 98 |
| 15) N-Nitroso-di-n-propylamine | 8.43 | 70 | 321073 | 44.73 | ng/ul | 97 |
| 16) 4-Methylphenol | 8.39 | 108 | 448160 | 41.33 | ng/ul | 100 |
| 17) Hexachloroethane | 8.69 | 117 | 173685 | 42.17 | ng/ul | 99 |
| 20) Nitrobenzene | 8.82 | 77 | 487081 | 42.68 | ng/ul | 99 |
| 21) Isophorone | 9.33 | 82 | 846724 | 44.76 | ng/ul | 99 |
| 23) 2-Nitrophenol | 9.52 | 139 | 232681 | 43.58 | ng/ul | 98 |
| 24) 2,4-Dimethylphenol | 9.59 | 107 | 472999 | 41.22 | ng/ul | 99 |
| 25) Bis(2-Chloroethoxy)methane | 9.83 | 93 | 551910 | 42.23 | ng/ul | 99 |
| 27) 2,4-Dichlorophenol | 10.05 | 162 | 390393 | 40.78 | ng/ul | 100 |
| 28) Naphthalene | 10.45 | 128 | 1400947 | 39.33 | ng/ul | 99 |
| 30) 4-Chloroaniline | 10.57 | 127 | 515675 | 45.50 | ng/ul | 100 |
| 31) Hexachlorobutadiene | 10.74 | 225 | 235365 | 39.18 | ng/ul | 99 |
| 32) Caprolactam | 11.32 | 113 | 114481m | 43.56 | ng/ul | |
| 33) 4-Chloro-3-methylphenol | 11.70 | 107 | 412898 | 41.97 | ng/ul | 97 |
| 34) 2-Methylnaphthalene | 12.07 | 142 | 969523 | 39.86 | ng/ul | 98 |

T.P. 04/01/2015

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**Instrument :**
BNA_M
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SSTD04008

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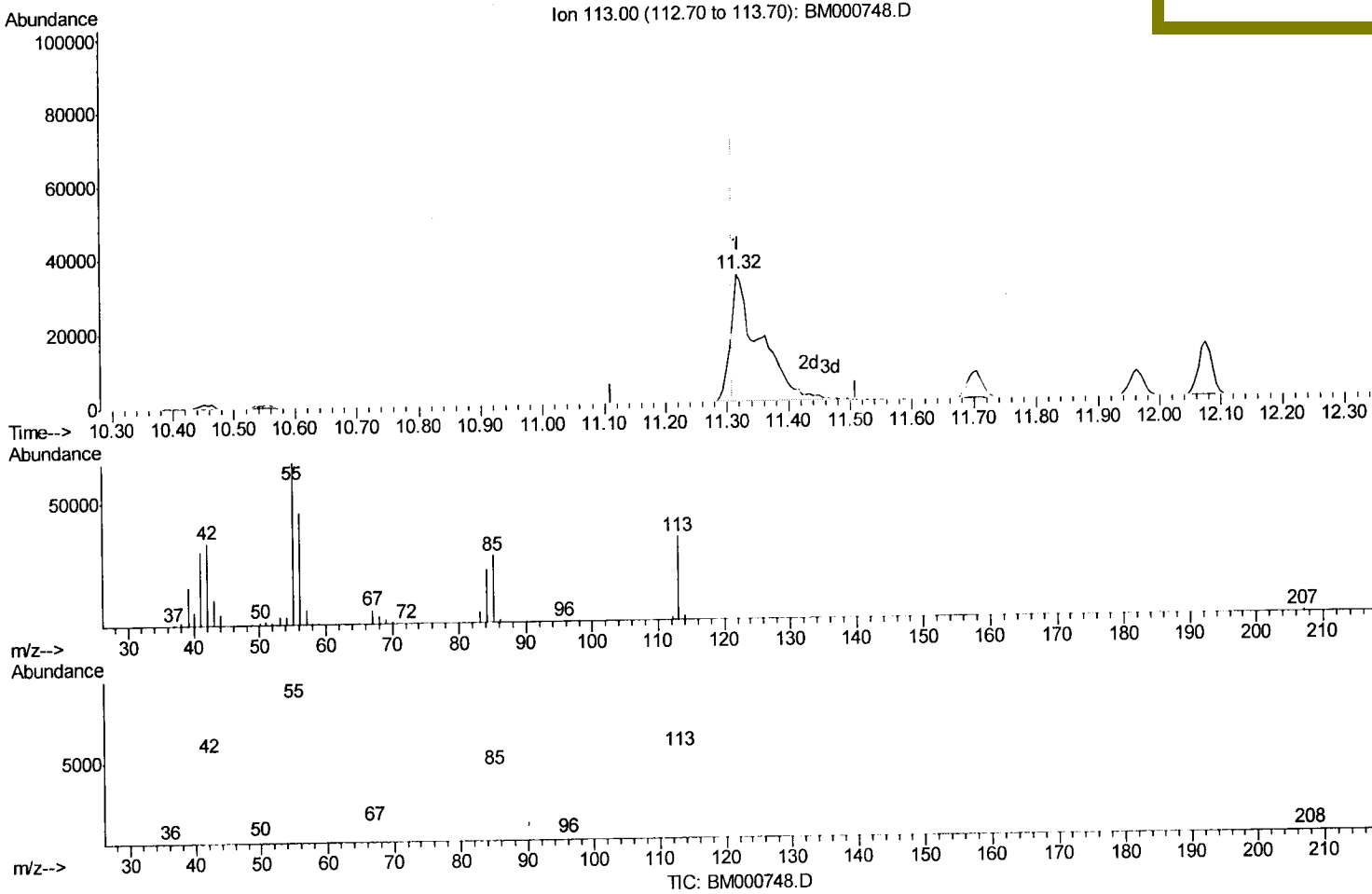
3/23/2015 5:49:17 PM




(32) Caprolactam

11.316min (+0.006) 43.56ng/ul m

response 114481

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 188.40 | 194.37 |
| 56.00 | 133.40 | 133.82 |
| 0.00 | 0.00 | 0.00 |

T-P. 04/01/2015

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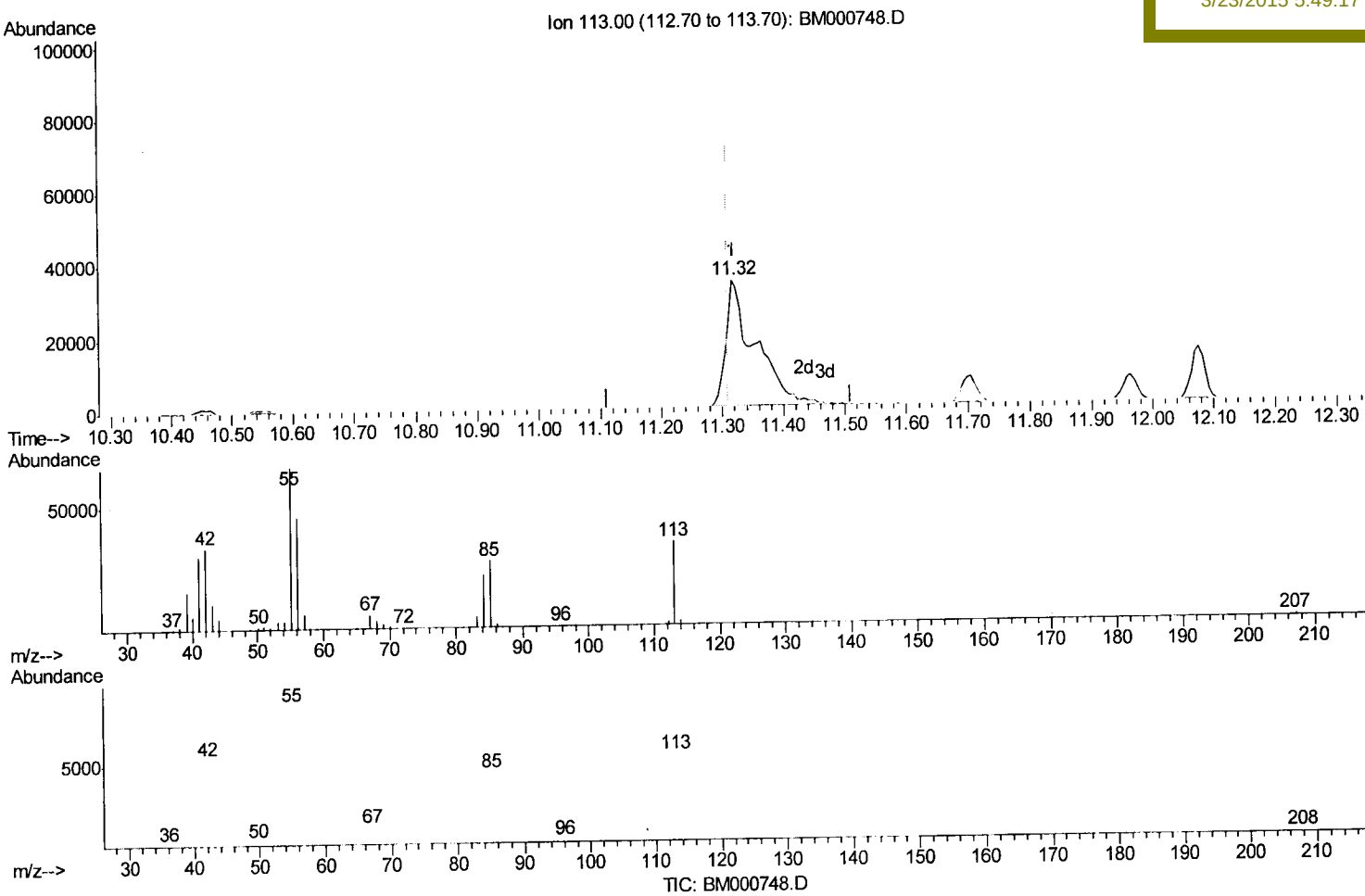


(32) Caprolactam

11.316min (+0.006) 25.81ng/ul

response 67837

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100 | 100 |
| 55.00 | 188.40 | 194.37 |
| 56.00 | 133.40 | 133.82 |
| 0.00 | 0.00 | 0.00 |