Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082021\
Data File : BN015992.D
Acq On : 20 Aug 2021 18:59
Operator : CG/JU
Sample : PB138605BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 20 23:26:37 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081621MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 20 04:24:09 2021
Response via : Initial Calibration

**Instrument :**
BNA_N
**ClientSampleId :**
SLCS605

**Manual Integrations APPROVED**
mohammad
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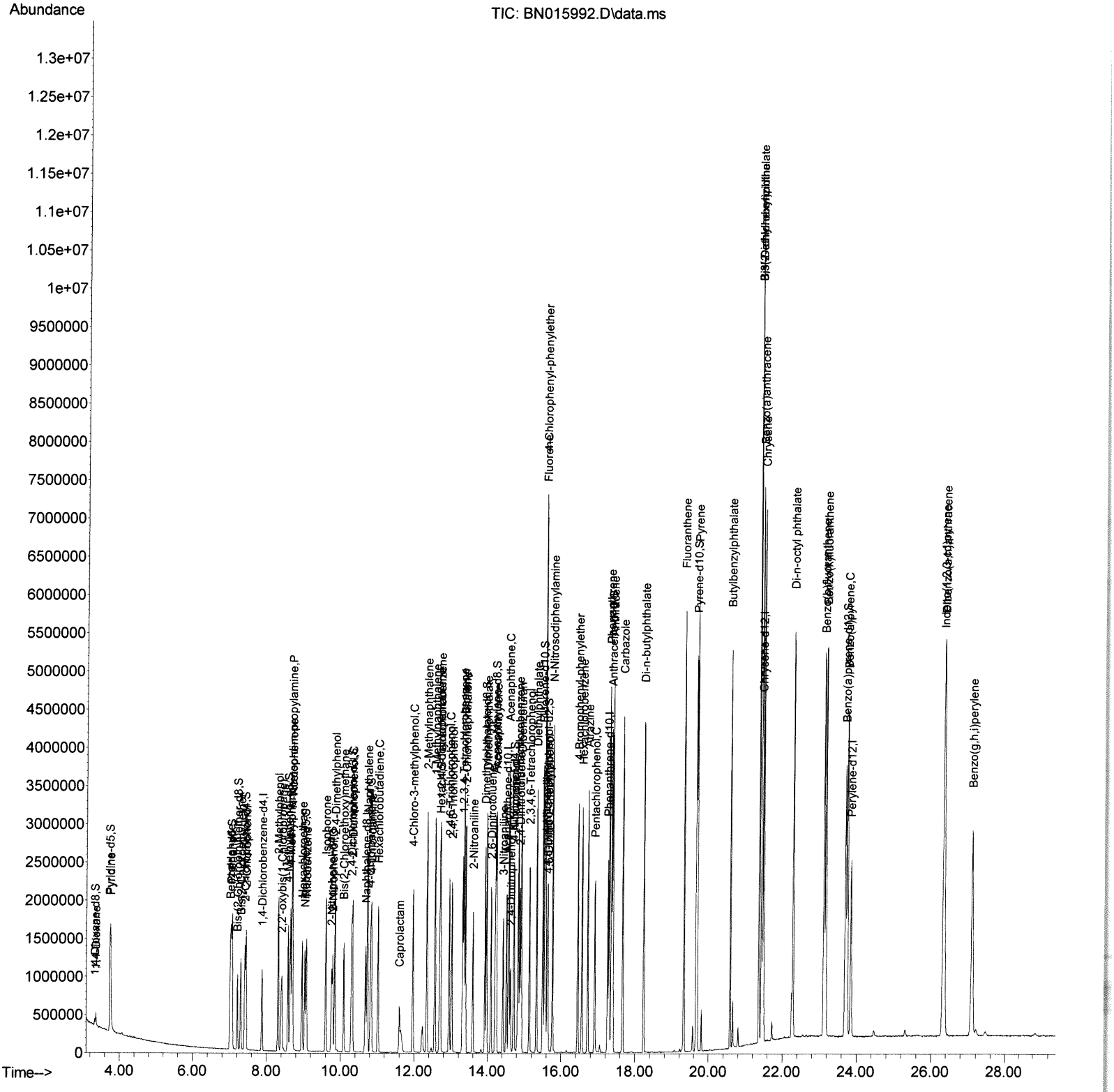

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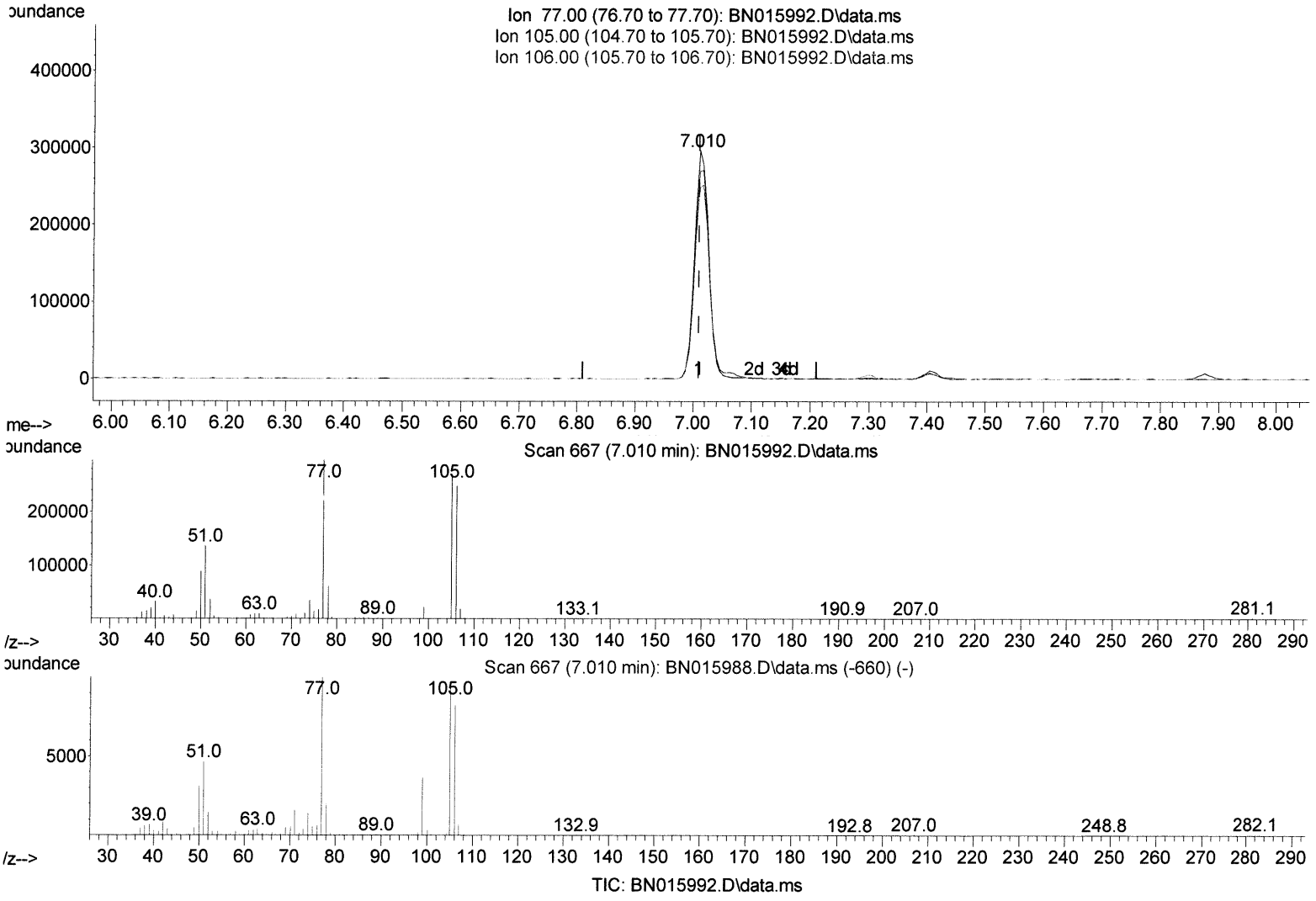


**(6) Benzaldehyde**

**7.010min (-0.000) 39.03 ng/ul**

**response 503735**

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100.00 | 100.00 |
| 105.00 | 91.70 | 91.17 |
| 106.00 | 87.90 | 83.92 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082021\
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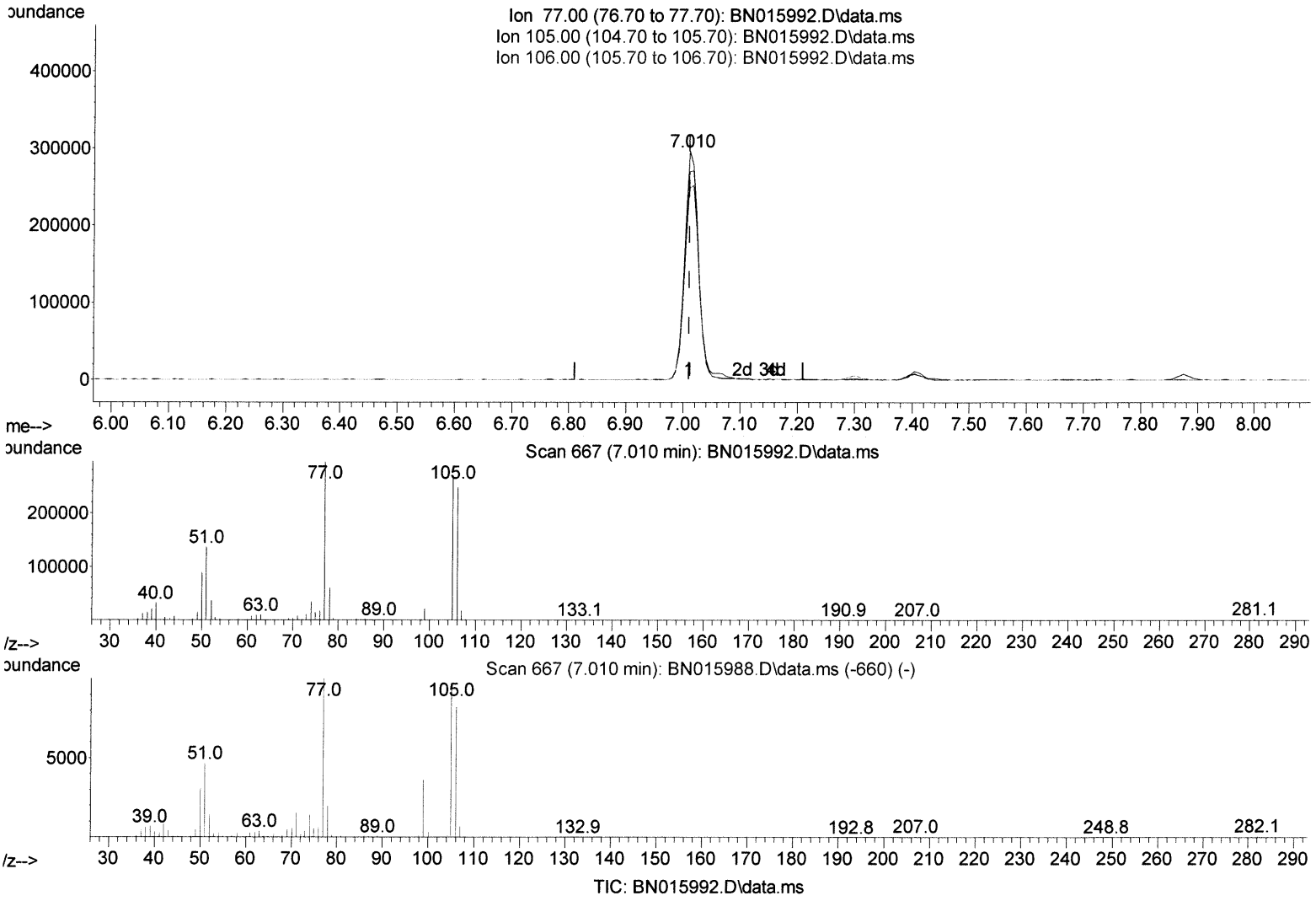
**Instrument :**
BNA_N
**ClientSampleId :**
SLCS605

**Manual Integrations APPROVED**
mohammad
8/23/2021 4:26:12 PM




**(6) Benzaldehyde**

7.010min (-0.000) 39.77 ng/ul m

JU 8/24/21

response 513284

| Ion | Exp% | Act% |
|---|---|---|
| 77.00 | 100.00 | 100.00 |
| 105.00 | 91.70 | 91.17 |
| 106.00 | 87.90 | 83.92 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082021\
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Acq On : 20 Aug 2021 18:59
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Sample : PB138605BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

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**Instrument :**
BNA_N
**ClientSampleId :**
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**Manual Integrations APPROVED**
mohammad
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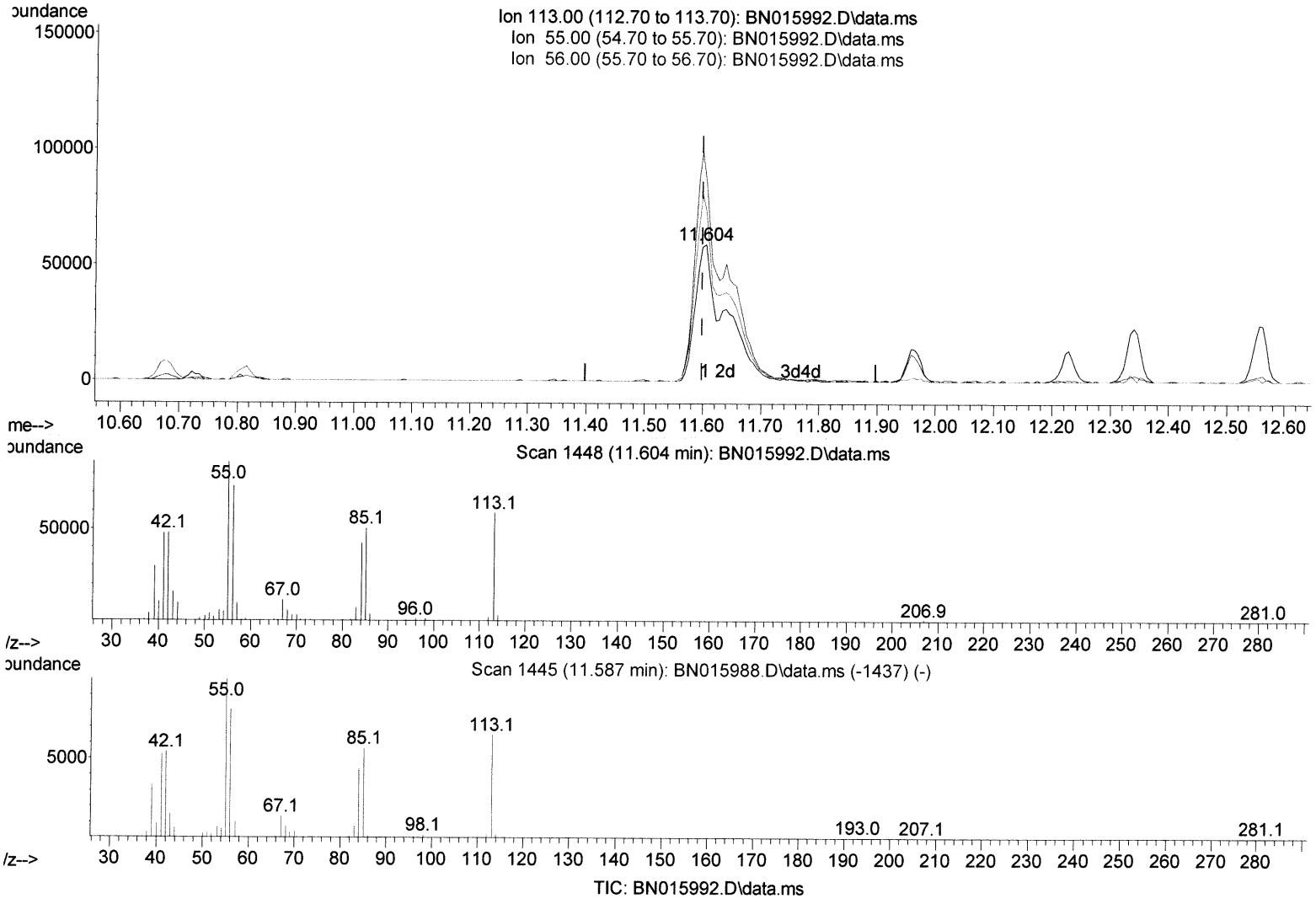


(34) Caprolactam

11.604min (+ 0.006) 22.82 ng/ul

response 120879

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 163.00 | 146.59 |
| 56.00 | 127.80 | 124.28 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082021\
Data File : BN015992.D
Acq On : 20 Aug 2021 18:59
Operator : CG/JU
Sample : PB138605BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 20 23:26:37 2021
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Quant Title : SVOA CALIBRATION
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**Instrument :**
BNA_N
**ClientSampleId :**
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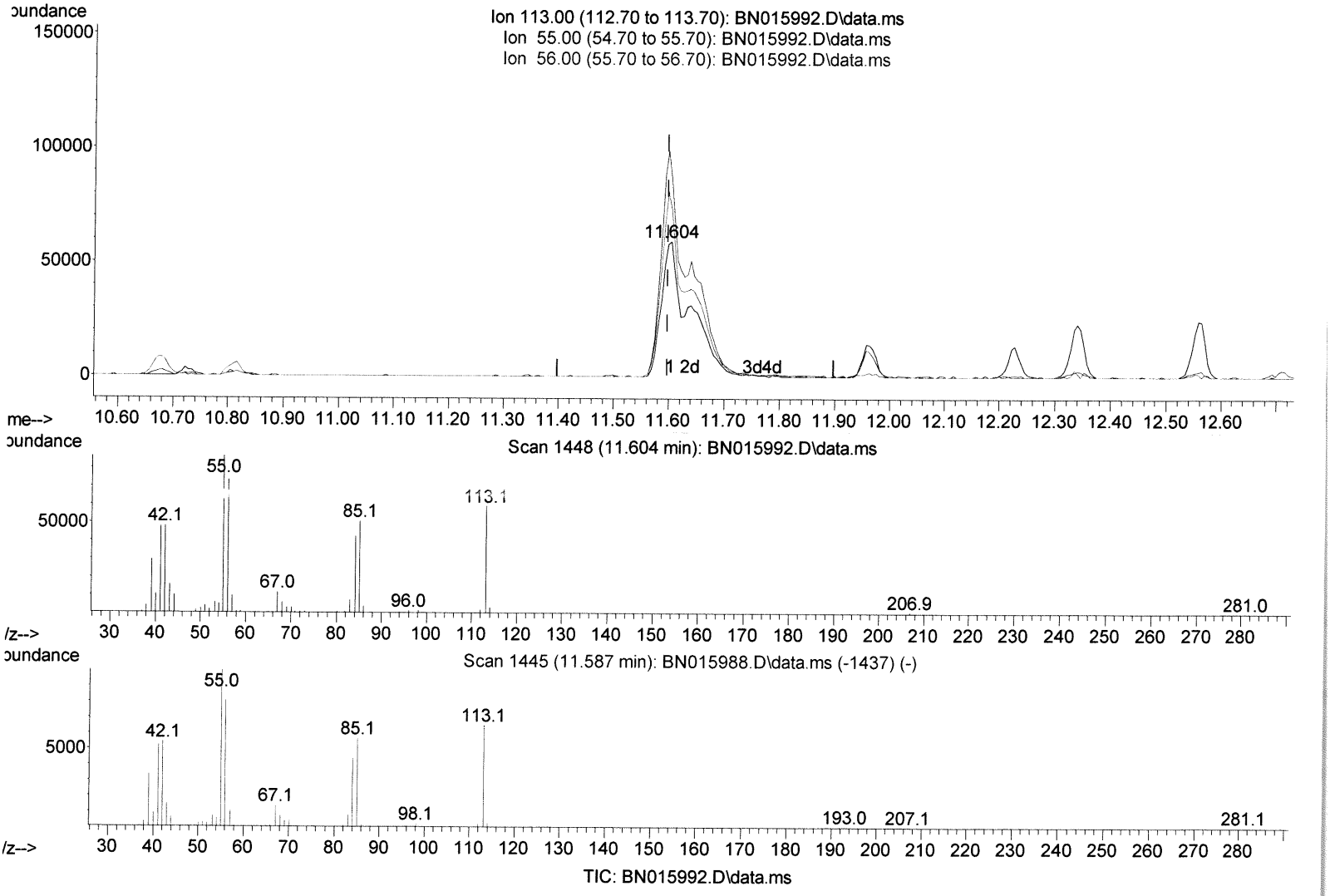
**Manual Integrations APPROVED**
mohammad
8/23/2021 4:26:12 PM




(34) Caprolactam

11.604min (+ 0.006) 39.80 ng/ul m

JU 8/24/21

response 210851

| Ion | Exp% | Act% |
|---|---|---|
| 113.00 | 100.00 | 100.00 |
| 55.00 | 163.00 | 146.59 |
| 56.00 | 127.80 | 124.28 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN082021\
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Operator : CG/JU
Sample : PB138605BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** SLCS605

**Manual Integrations APPROVED**
mohammad
8/23/2021 4:26:12 PM

Quant Time: Aug 20 23:26:37 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN081621MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 20 04:24:09 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.875 | 152 | 277296 | 20.000 | ng/ul | 0.00 |
| 20) Naphthalene-d8 | 10.681 | 136 | 1150543 | 20.000 | ng/ul | 0.00 |
| 38) Acenaphthene-d10 | 14.510 | 164 | 730364 | 20.000 | ng/ul | 0.00 |
| 64) Phenanthrene-d10 | 17.257 | 188 | 1522824 | 20.000 | ng/ul | 0.00 |
| 79) Chrysene-d12 | 21.451 | 240 | 1606819 | 20.000 | ng/ul | 0.00 |
| 88) Perylene-d12 | 23.845 | 264 | 1666221 | 20.000 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.322 | 96 | 41784 | 5.870 | ng/uL | 0.00 |
| 4) Pyridine-d5 | 3.728 | 84 | 580236 | 29.164 | ng/ul | 0.00 |
| 7) Phenol-d5 | 7.040 | 99 | 784741 | 31.286 | ng/ul | 0.00 |
| 9) Bis-(2-Chloroethyl)eth... | 7.204 | 67 | 460609 | 29.825 | ng/ul | 0.00 |
| 11) 2-Chlorophenol-d4 | 7.404 | 132 | 589622 | 33.035 | ng/ul | 0.00 |
| 15) 4-Methylphenol-d8 | 8.581 | 113 | 614886 | 31.518 | ng/ul | 0.00 |
| 21) Nitrobenzene-d5 | 9.034 | 128 | 296334 | 34.994 | ng/ul | 0.00 |
| 24) 2-Nitrophenol-d4 | 9.757 | 143 | 315816 | 39.849 | ng/ul | 0.00 |
| 28) 2,4-Dichlorophenol-d3 | 10.298 | 165 | 574307 | 33.487 | ng/ul | 0.00 |
| 31) 4-Chloroaniline-d4 | 10.810 | 131 | 739148 | 28.314 | ng/ul | 0.00 |
| 46) Dimethylphthalate-d6 | 13.922 | 166 | 1735276 | 32.419 | ng/ul | 0.00 |
| 49) Acenaphthylene-d8 | 14.204 | 160 | 2138568 | 31.903 | ng/ul | 0.00 |
| 54) 4-Nitrophenol-d4 | 14.710 | 143 | 321717 | 33.983 | ng/ul | 0.00 |
| 60) Fluorene-d10 | 15.504 | 176 | 1473386 | 31.557 | ng/ul | 0.00 |
| 65) 4,6-Dinitro-2-methylph... | 15.622 | 200 | 290737 | 35.749 | ng/ul | 0.00 |
| 73) Anthracene-d10 | 17.357 | 188 | 2302359 | 32.257 | ng/ul | 0.00 |
| 81) Pyrene-d10 | 19.651 | 212 | 2702914 | 31.230 | ng/ul | 0.00 |
| 92) Benzo(a)pyrene-d12 | 23.692 | 264 | 2846045 | 31.591 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.358 | 88 | 95000 | 12.982 | ng/uL | 88 |
| 5) Pyridine | 3.752 | 79 | 651278 | 31.751 | ng/ul | 93 |
| 6) Benzaldehyde | 7.010 | 77 | 513284m | 39.771 | ng/ul | > JU 8/24/21 |
| 8) Phenol | 7.063 | 94 | 882256 | 34.503 | ng/ul | 94 |
| 10) Bis(2-Chloroethyl)ether | 7.298 | 93 | 669406 | 33.416 | ng/ul | 99 |
| 12) 2-Chlorophenol | 7.440 | 128 | 653618 | 35.628 | ng/ul | 98 |
| 13) 2-Methylphenol | 8.316 | 108 | 637682 | 34.045 | ng/ul | 96 |
| 14) 2,2'-oxybis(1-Chloropr... | 8.410 | 45 | 833400 | 32.576 | ng/ul | 98 |
| 16) Acetophenone | 8.698 | 105 | 1058865 | 33.633 | ng/ul | 99 |
| 17) N-Nitroso-di-n-propyla... | 8.687 | 70 | 544005 | 35.385 | ng/ul | 99 |
| 18) 4-Methylphenol | 8.645 | 108 | 694087 | 34.624 | ng/ul | 98 |
| 19) Hexachloroethane | 8.957 | 117 | 288775 | 34.663 | ng/ul | 91 |
| 22) Nitrobenzene | 9.081 | 77 | 845076 | 35.292 | ng/ul | 97 |
| 23) Isophorone | 9.604 | 82 | 1492272 | 35.822 | ng/ul | 99 |
| 25) 2-Nitrophenol | 9.787 | 139 | 358983 | 41.536 | ng/ul | 97 |
| 26) 2,4-Dimethylphenol | 9.851 | 107 | 789694 | 34.208 | ng/ul | 94 |
| 27) Bis(2-Chloroethoxy)met... | 10.087 | 93 | 844321 | 32.998 | ng/ul | 99 |
| 29) 2,4-Dichlorophenol | 10.322 | 162 | 611108 | 36.140 | ng/ul | 98 |
| 30) Naphthalene | 10.728 | 128 | 2080367 | 33.761 | ng/ul | 99 |
| 32) 4-Chloroaniline | 10.839 | 127 | 811818 | 31.498 | ng/ul | 99 |
| 33) Hexachlorobutadiene | 11.016 | 225 | 428340 | 32.968 | ng/ul | 97 |
| 34) Caprolactam | 11.604 | 113 | 210851m | 39.799 | ng/ul | > JU 8/24/21 |
| 35) 4-Chloro-3-methylphenol | 11.963 | 107 | 744728 | 37.182 | ng/ul | 99 |

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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 36) 2-Methylnaphthalene | 12.339 | 142 | 1441920 | 33.649 | ng/ul | 96 |
| 37) 1-Methylnaphthalene | 12.557 | 142 | 1404200 | 32.922 | ng/ul | 97 |
| 39) 1,2,4,5-Tetrachloroben... | 12.710 | 216 | 791762 | 33.510 | ng/ul | 98 |
| 40) Hexachlorocyclopentadiene | 12.692 | 237 | 488283 | 31.875 | ng/ul | 99 |
| 41) 2,4,6-Trichlorophenol | 12.945 | 196 | 500716 | 38.756 | ng/ul | 97 |
| 42) 2,4,5-Trichlorophenol | 13.016 | 196 | 533041 | 37.790 | ng/ul | 96 |
| 43) 1,1'-Biphenyl | 13.351 | 154 | 1861318 | 32.958 | ng/ul | 99 |
| 44) 2-Chloronaphthalene | 13.392 | 162 | 1402863 | 32.169 | ng/ul | 97 |
| 45) 2-Nitroaniline | 13.592 | 65 | 506140 | 40.961 | ng/ul | 99 |
| 47) Dimethylphthalate | 13.969 | 163 | 1849341 | 34.853 | ng/ul | 100 |
| 48) 2,6-Dinitrotoluene | 14.092 | 165 | 390048 | 40.591 | ng/ul | 87 |
| 50) Acenaphthylene | 14.233 | 152 | 2201716 | 34.551 | ng/ul | 99 |
| 51) 3-Nitroaniline | 14.416 | 138 | 371215 | 35.930 | ng/ul | 98 |
| 52) Acenaphthene | 14.575 | 153 | 1547106 | 33.566 | ng/ul | 96 |
| 53) 2,4-Dinitrophenol | 14.622 | 184 | 202721 | 37.968 | ng/ul | 90 |
| 55) 4-Nitrophenol | 14.722 | 109 | 334765 | 36.138 | ng/ul | 96 |
| 56) Dibenzofuran | 14.910 | 168 | 2168024 | 34.023 | ng/ul | 96 |
| 57) 2,4-Dinitrotoluene | 14.875 | 165 | 572858 | 41.390 | ng/ul# | 94 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.139 | 232 | 477055 | 40.873 | ng/ul | 94 |
| 59) Diethylphthalate | 15.333 | 149 | 1884757 | 35.523 | ng/ul | 99 |
| 61) Fluorene | 15.563 | 166 | 1811815 | 34.843 | ng/ul | 99 |
| 62) 4-Chlorophenyl-phenyle... | 15.557 | 204 | 916243 | 33.790 | ng/ul | 96 |
| 63) 4-Nitroaniline | 15.580 | 138 | 402564 | 40.665 | ng/ul | 98 |
| 66) 4,6-Dinitro-2-methylph... | 15.639 | 198 | 312087 | 38.583 | ng/ul | 98 |
| 67) N-Nitrosodiphenylamine | 15.769 | 169 | 1591404 | 35.804 | ng/ul | 98 |
| 68) 4-Bromophenyl-phenylether | 16.451 | 248 | 570798 | 34.929 | ng/ul | 99 |
| 69) Hexachlorobenzene | 16.569 | 284 | 656162 | 34.361 | ng/ul | 96 |
| 70) Atrazine | 16.722 | 200 | 594910 | 36.901 | ng/ul | 98 |
| 71) Pentachlorophenol | 16.910 | 266 | 378583 | 35.338 | ng/ul | 95 |
| 72) Phenanthrene | 17.304 | 178 | 2904160 | 35.081 | ng/ul | 98 |
| 74) Anthracene | 17.392 | 178 | 2925992 | 34.619 | ng/ul | 99 |
| 75) 1,2,3,4-Tetrachloroben... | 13.316 | 216 | 804266 | 33.530 | ng/uL | 94 |
| 76) Pentachlorobenzene | 14.833 | 250 | 746740 | 31.983 | ng/uL | 98 |
| 77) Carbazole | 17.663 | 167 | 2604154 | 35.044 | ng/ul | 98 |
| 78) Di-n-butylphthalate | 18.233 | 149 | 3131784 | 37.066 | ng/ul | 99 |
| 80) Fluoranthene | 19.316 | 202 | 3510989 | 33.529 | ng/ul | 99 |
| 82) Pyrene | 19.680 | 202 | 3576901 | 32.820 | ng/ul | 99 |
| 83) Butylbenzylphthalate | 20.580 | 149 | 1431112 | 39.049 | ng/ul | 97 |
| 84) 3,3'-Dichlorobenzidine | 21.362 | 252 | 1188423 | 36.119 | ng/ul | 99 |
| 85) Benzo(a)anthracene | 21.433 | 228 | 3576886 | 34.598 | ng/ul | 98 |
| 86) Bis(2-ethylhexyl)phtha... | 21.362 | 149 | 2169630 | 37.327 | ng/ul | 96 |
| 87) Chrysene | 21.486 | 228 | 3585237 | 35.818 | ng/ul | 97 |
| 89) Di-n-octyl phthalate | 22.286 | 149 | 3718321 | 35.259 | ng/ul | 100 |
| 90) Benzo(b)fluoranthene | 23.121 | 252 | 3772938 | 34.442 | ng/ul | 99 |
| 91) Benzo(k)fluoranthene | 23.168 | 252 | 3673580 | 33.681 | ng/ul | 100 |
| 93) Benzo(a)pyrene | 23.745 | 252 | 3408633 | 34.374 | ng/ul | 97 |
| 94) Indeno(1,2,3-cd)pyrene | 26.339 | 276 | 4398136 | 35.770 | ng/ul | 99 |
| 95) Dibenzo(a,h)anthracene | 26.356 | 278 | 3714284 | 36.592 | ng/ul | 99 |
| 96) Benzo(g,h,i)perylene | 27.103 | 276 | 3634136 | 35.748 | ng/ul | 98 |

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