

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\  
 Data File : BF079106.D  
 Acq On : 10 May 2015 3:34  
 Operator : TP/IZ  
 Sample : G2118-01 5X  
 Misc :  
 ALS Vial : 65 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SW-019

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.244       | 3             | 5           | 23           | rVB      | 182834         | 553516        | 16.89%          | 4.537%        |
| 2         | 1.473       | 23            | 25          | 28           | rVB      | 773674         | 803531        | 24.52%          | 6.587%        |
| 3         | 1.621       | 35            | 38          | 41           | rVB      | 196312         | 273914        | 8.36%           | 2.245%        |
| 4         | 1.747       | 48            | 49          | 51           | rBV      | 24355          | 41586         | 1.27%           | 0.341%        |
| 5         | 1.793       | 51            | 53          | 58           | rVB      | 55529          | 86016         | 2.62%           | 0.705%        |
| 6         | 1.873       | 58            | 60          | 96           | rVB      | 1669483        | 3277154       | 100.00%         | 26.863%       |
| 7         | 5.130       | 343           | 345         | 351          | rVB      | 20877          | 36816         | 1.12%           | 0.302%        |
| 8         | 5.622       | 385           | 388         | 391          | rBV      | 295243         | 297900        | 9.09%           | 2.442%        |
| 9         | 6.879       | 496           | 498         | 500          | rBV      | 326156         | 318400        | 9.72%           | 2.610%        |
| 10        | 7.027       | 509           | 511         | 514          | rBV      | 326860         | 321691        | 9.82%           | 2.637%        |
| 11        | 7.325       | 534           | 537         | 539          | rBV      | 411688         | 497155        | 15.17%          | 4.075%        |
| 12        | 7.507       | 551           | 553         | 555          | rBV      | 277872         | 250849        | 7.65%           | 2.056%        |
| 13        | 8.010       | 595           | 597         | 599          | rBV      | 200290         | 187136        | 5.71%           | 1.534%        |
| 14        | 8.902       | 672           | 675         | 677          | rBV      | 528306         | 682818        | 20.84%          | 5.597%        |
| 15        | 10.239      | 790           | 792         | 795          | rVB      | 425317         | 377119        | 11.51%          | 3.091%        |
| 16        | 10.742      | 834           | 836         | 843          | rVB2     | 32519          | 58483         | 1.78%           | 0.479%        |
| 17        | 10.902      | 847           | 850         | 854          | rBV      | 36588          | 59316         | 1.81%           | 0.486%        |
| 18        | 11.028      | 858           | 861         | 862          | rBV      | 26019          | 33250         | 1.01%           | 0.273%        |
| 19        | 11.074      | 862           | 865         | 868          | rVB      | 769223         | 735176        | 22.43%          | 6.026%        |
| 20        | 11.977      | 941           | 944         | 946          | rBV      | 62610          | 74031         | 2.26%           | 0.607%        |
| 21        | 12.057      | 948           | 951         | 953          | rBV2     | 163723         | 207295        | 6.33%           | 1.699%        |
| 22        | 12.239      | 966           | 967         | 971          | rVB      | 19713          | 34479         | 1.05%           | 0.283%        |
| 23        | 12.925      | 1024          | 1027        | 1029         | rBV      | 511961         | 731611        | 22.32%          | 5.997%        |
| 24        | 13.691      | 1091          | 1094        | 1098         | rVB5     | 12946          | 33365         | 1.02%           | 0.273%        |
| 25        | 14.914      | 1198          | 1201        | 1204         | rBV      | 407645         | 388224        | 11.85%          | 3.182%        |
| 26        | 15.988      | 1289          | 1295        | 1298         | rVV6     | 34877          | 134221        | 4.10%           | 1.100%        |
| 27        | 16.080      | 1301          | 1303        | 1309         | rVB3     | 39074          | 68065         | 2.08%           | 0.558%        |
| 28        | 16.217      | 1312          | 1315        | 1317         | rBV      | 632868         | 837083        | 25.54%          | 6.862%        |
| 29        | 17.954      | 1464          | 1467        | 1469         | rBV      | 566294         | 799266        | 24.39%          | 6.552%        |

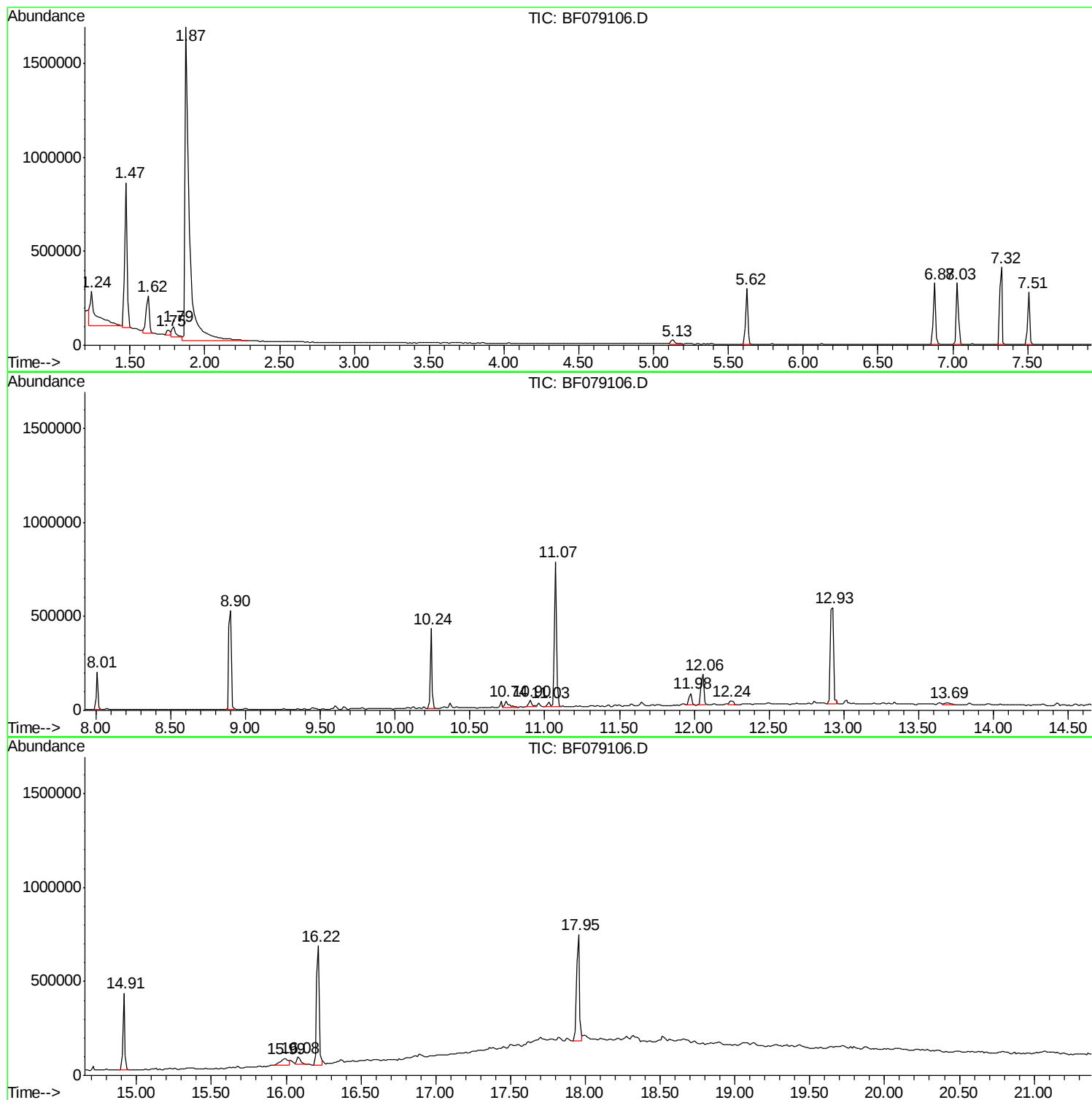
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Misc :  
ALS Vial : 65 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SW-019

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

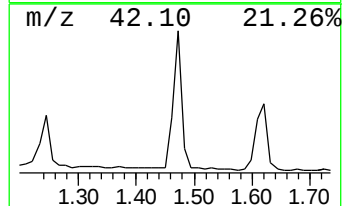
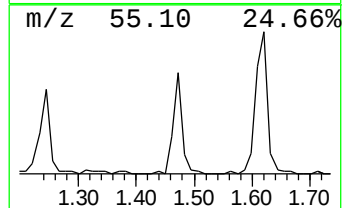
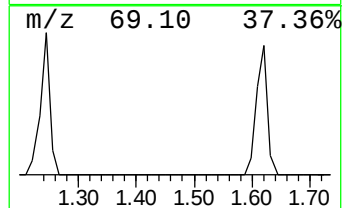
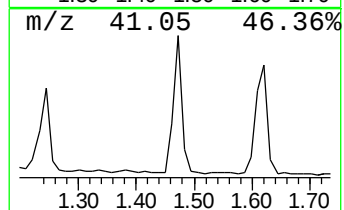
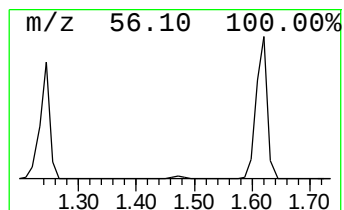
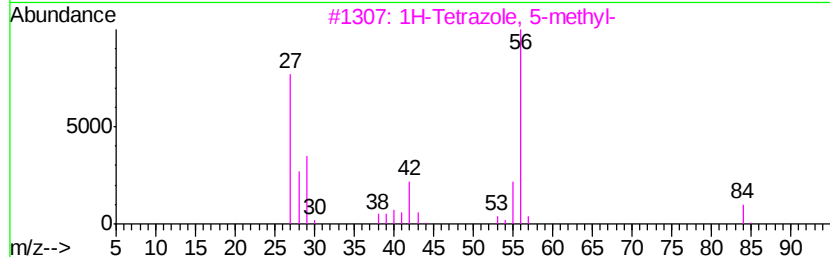
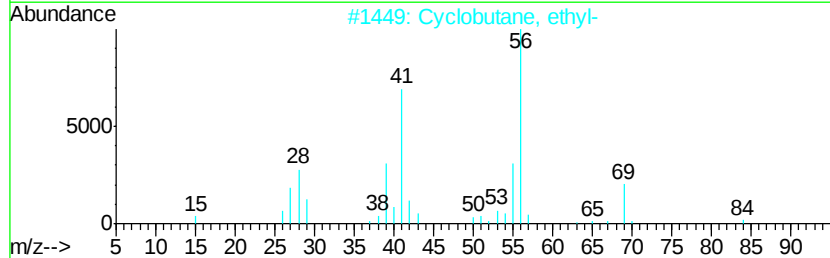
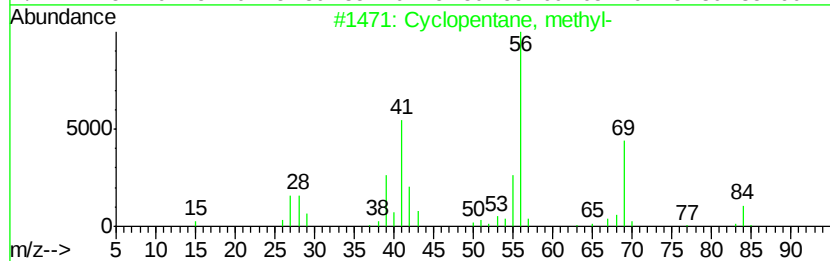
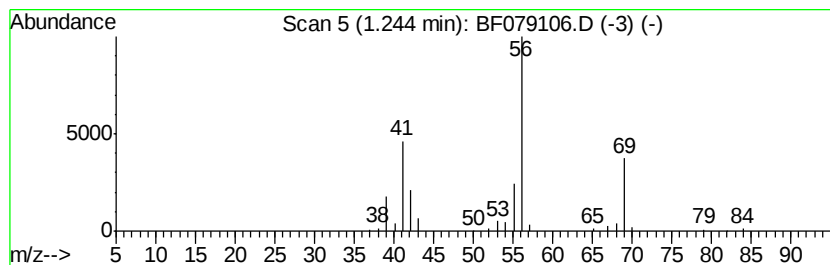
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Cyclopentane, methyl- Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 1.24 | 22.27 ng | 553516 | 1,4-Dichlorobenzene-d4 | 7.32 |

| Hit# | of | Tentative ID                 | MW | MolForm | CAS#         | Qual |
|------|----|------------------------------|----|---------|--------------|------|
| 1    | 5  | Cyclopentane, methyl-        | 84 | C6H12   | 000096-37-7  | 86   |
| 2    |    | Cyclobutane, ethyl-          | 84 | C6H12   | 004806-61-5  | 56   |
| 3    |    | 1H-Tetrazole, 5-methyl-      | 84 | C2H4N4  | 004076-36-2  | 39   |
| 4    |    | Propane, 2-cyclopropyl-      | 84 | C6H12   | 003638-35-5  | 9    |
| 5    |    | Aziridine, 1-(2-buten-2-yl)- | 97 | C6H11N  | 1000158-95-2 | 9    |



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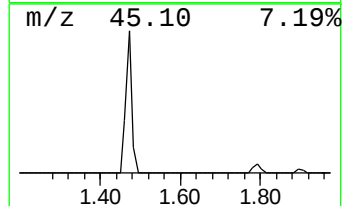
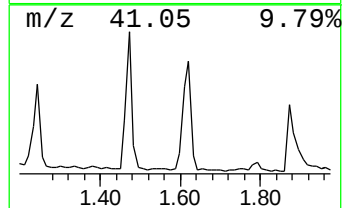
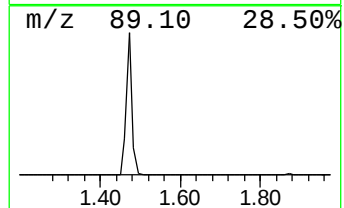
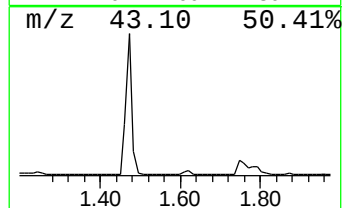
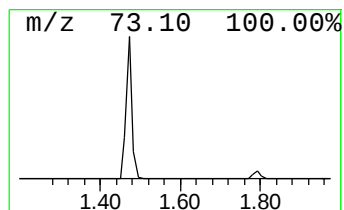
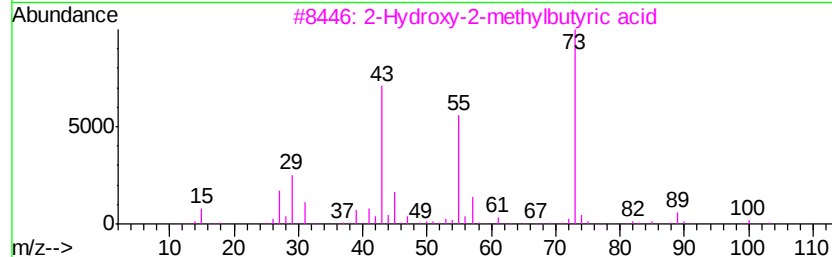
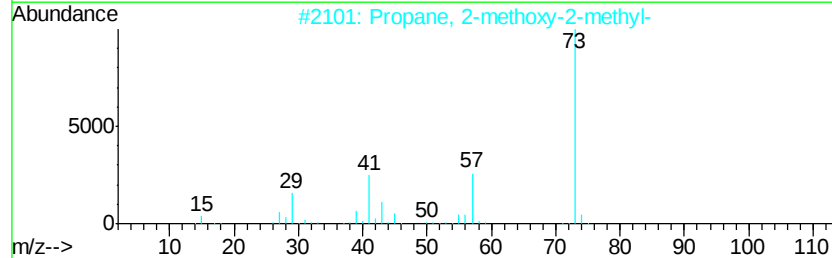
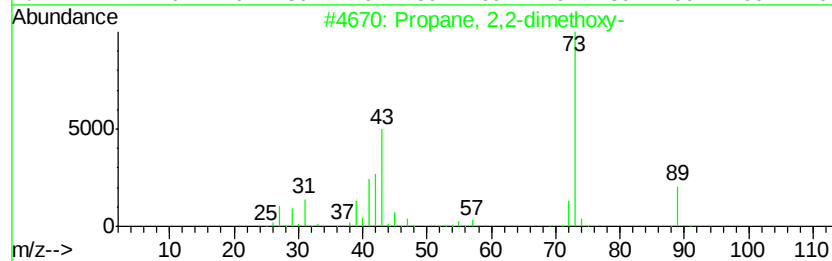
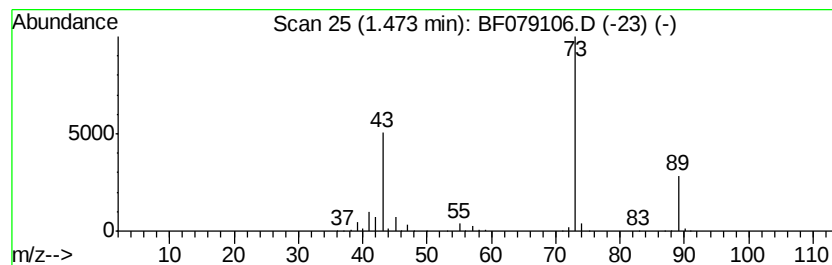
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Propane, 2,2-dimethoxy- Concentration Rank 2

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 1.47 | 32.33 ng | 803531 | 1,4-Dichlorobenzene-d4 | 7.32 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Propane, 2,2-dimethoxy-             | 104 | C5H12O2  | 000077-76-9 | 56   |
| 2    |    | Propane, 2-methoxy-2-methyl-        | 88  | C5H12O   | 001634-04-4 | 9    |
| 3    |    | 2-Hydroxy-2-methylbutyric acid      | 118 | C5H10O3  | 003739-30-8 | 9    |
| 4    |    | 1-Hexen-4-ol, 1-chloro-3,5-dimet... | 162 | C8H15ClO | 100244-09-5 | 9    |
| 5    |    | Borane, dimethoxy-                  | 74  | C2H7BO2  | 004542-61-4 | 7    |



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Misc :  
ALS Vial : 65 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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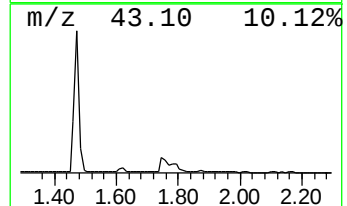
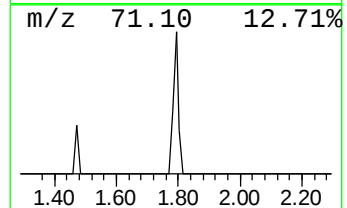
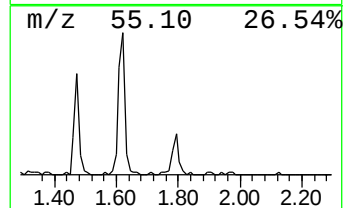
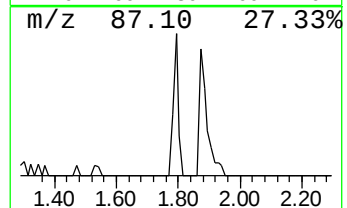
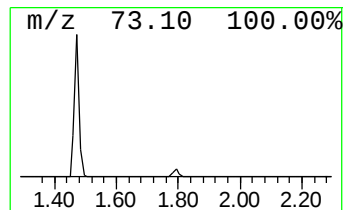
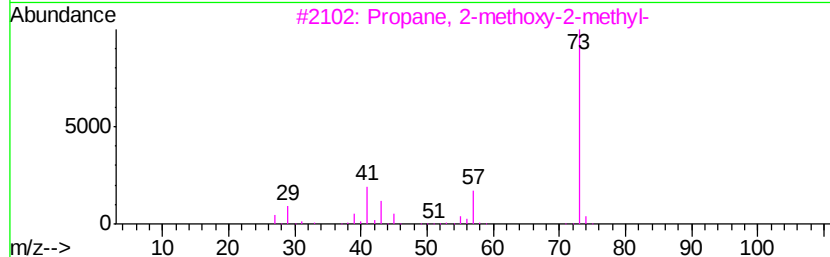
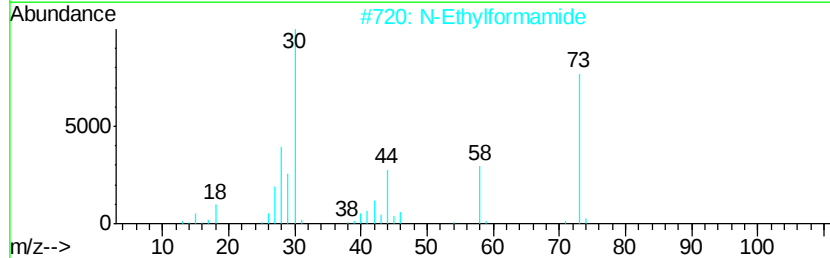
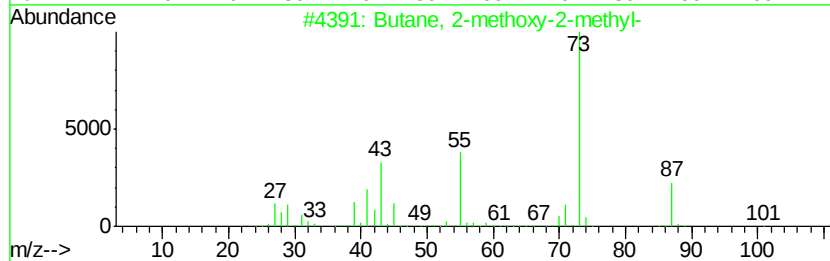
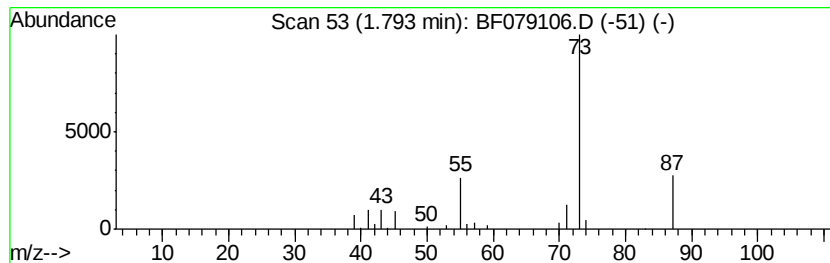
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Butane, 2-methoxy-2-methyl- Concentration Rank 7

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 1.79 | 3.46 ng | 86016 | 1,4-Dichlorobenzene-d4 | 7.32 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl-         | 102 | C6H14O   | 000994-05-8 | 83   |
| 2    |    |   | N-Ethylformamide                    | 73  | C3H7NO   | 000627-45-2 | 17   |
| 3    |    |   | Propane, 2-methoxy-2-methyl-        | 88  | C5H12O   | 001634-04-4 | 17   |
| 4    |    |   | Acetamide, N-(2-hydroxy-3-penten... | 143 | C7H13NO2 | 093393-95-4 | 4    |
| 5    |    |   | Azetidine, 1-methyl-                | 71  | C4H9N    | 004923-79-9 | 4    |



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BNA\_F  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

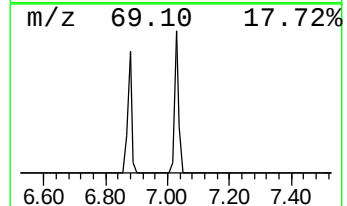
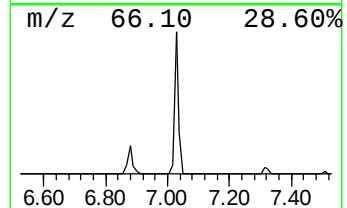
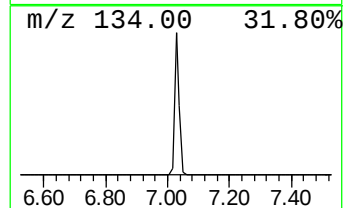
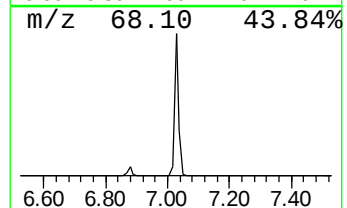
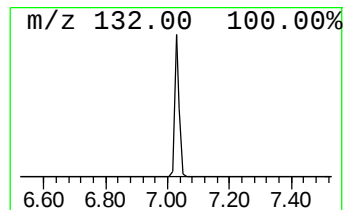
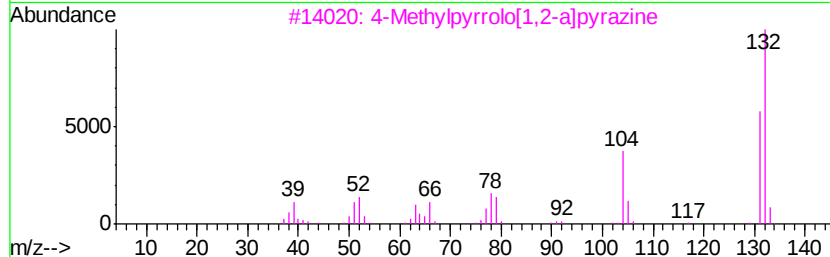
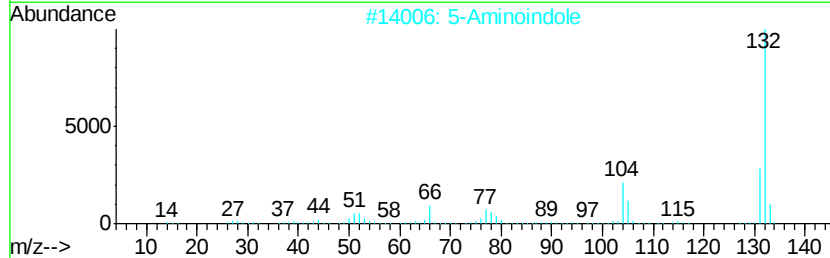
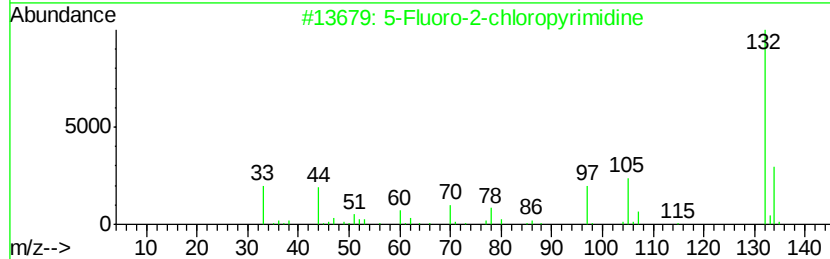
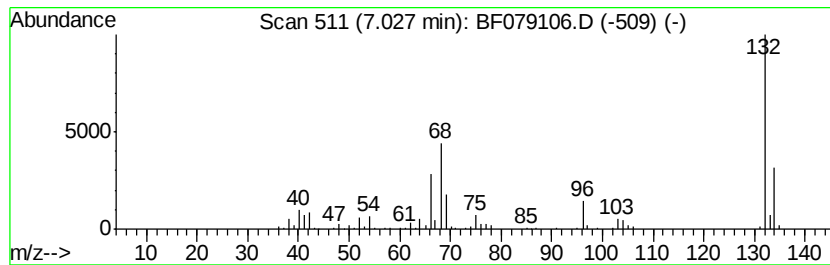
TIC Library : C:\DATABASE\NIST02.L  
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Peak Number 6 unknown7.03 Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.03 | 12.94 ng | 321691 | 1,4-Dichlorobenzene-d4 | 7.32 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0 | 12   |
| 2    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0 | 12   |
| 3    |    | 4-Methylpyrrolo[1,2-a]pyrazine      | 132 | C8H8N2    | 064608-60-2 | 9    |
| 4    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6 | 9    |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5 | 9    |



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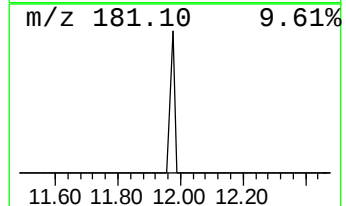
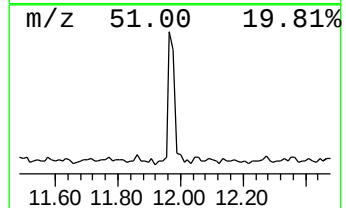
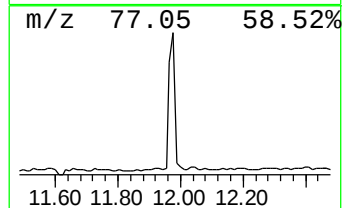
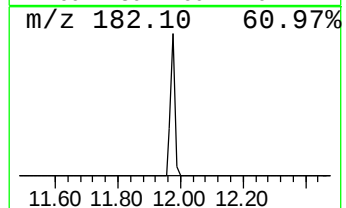
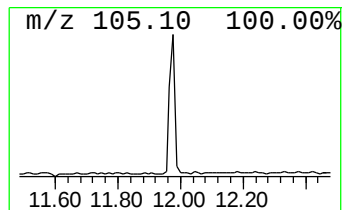
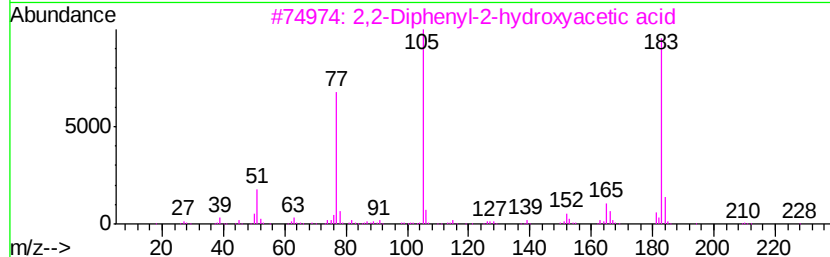
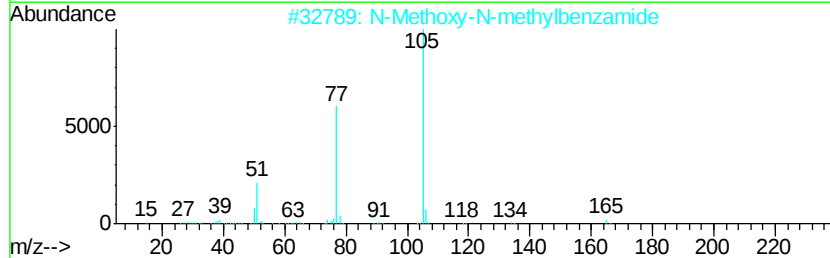
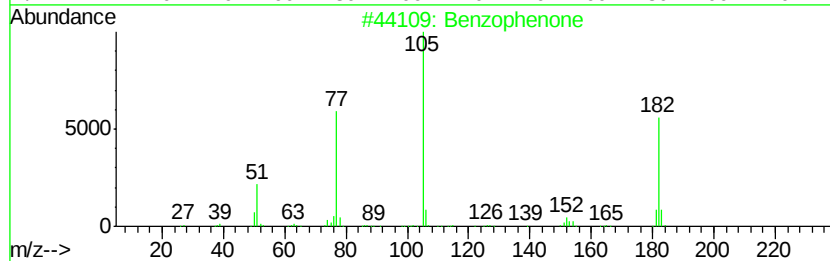
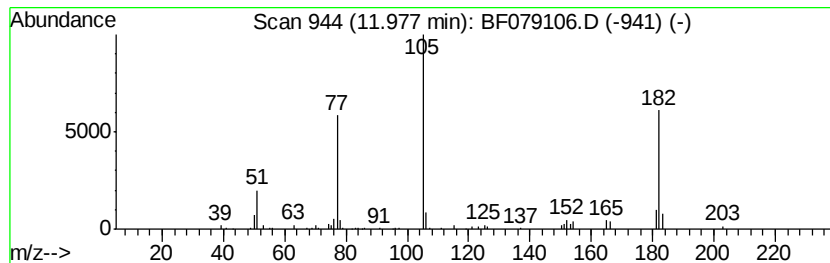
Instrument :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Benzophenone Concentration Rank 9

| R.T.      | EstConc                           | Area  | Relative to ISTD | R.T.        |      |
|-----------|-----------------------------------|-------|------------------|-------------|------|
| 11.98     | 2.01 ng                           | 74031 | Acenaphthene-d10 | 11.07       |      |
| Hit# of 5 | Tentative ID                      | MW    | MolForm          | CAS#        | Qual |
| 1         | Benzophenone                      | 182   | C13H10O          | 000119-61-9 | 96   |
| 2         | N-Methoxy-N-methylbenzamide       | 165   | C9H11NO2         | 006919-61-5 | 49   |
| 3         | 2,2-Diphenyl-2-hydroxyacetic acid | 228   | C14H12O3         | 000076-93-7 | 43   |
| 4         | Isopropyl phenyl ketone           | 148   | C10H12O          | 000611-70-1 | 38   |
| 5         | Benzoyl isothiocyanate            | 163   | C8H5NOS          | 000532-55-8 | 38   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\  
Data File : BF079106.D  
Acq On : 10 May 2015 3:34  
Operator : TP/IZ  
Sample : G2118-01 5X  
Misc :  
ALS Vial : 65 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SW-019

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

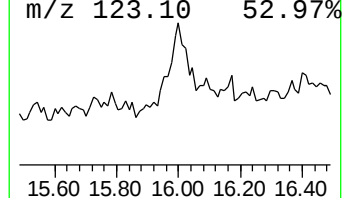
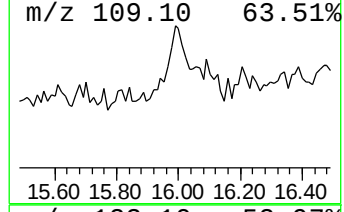
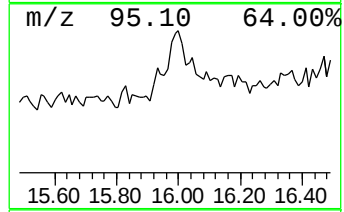
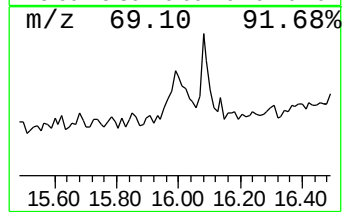
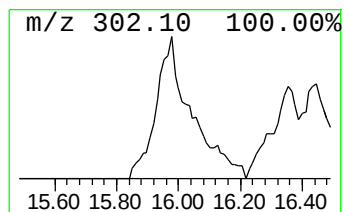
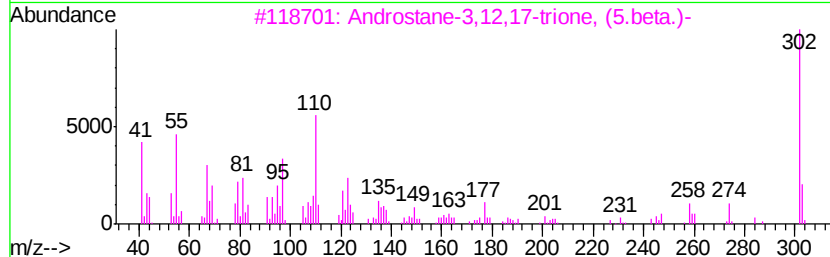
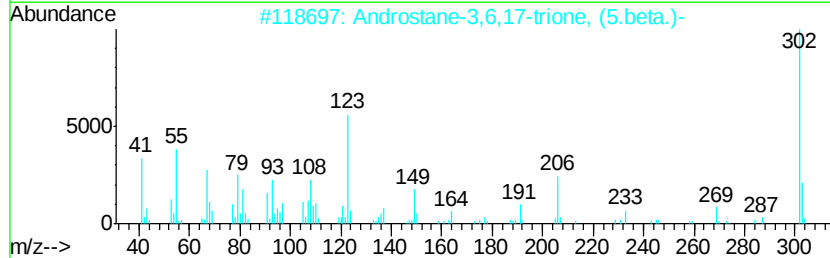
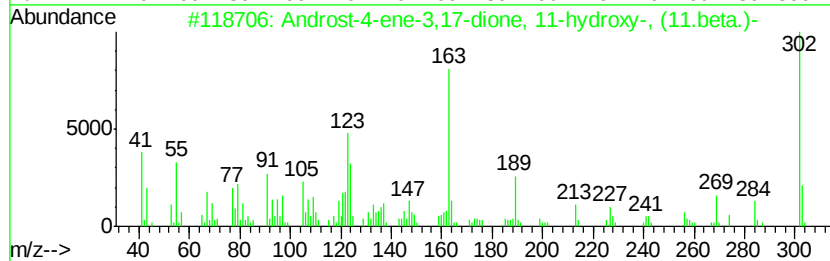
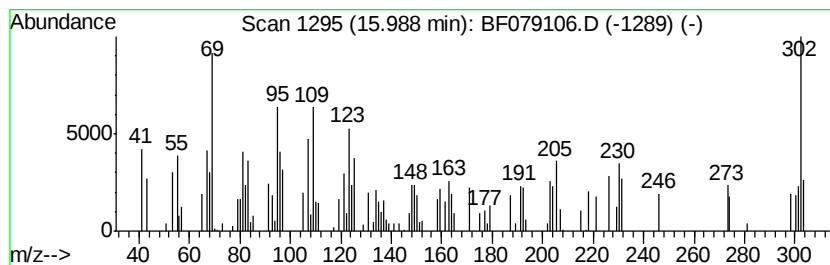
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 unknown15.99 Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.99 | 3.21 ng | 134221 | Chrysene-d12     | 16.22 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Androst-4-ene-3,17-dione, 11-hyd...  | 302 | C19H26O3 | 000382-44-5 | 38   |
| 2    |    | Androstane-3,6,17-trione, (5.beta... | 302 | C19H26O3 | 026991-58-2 | 35   |
| 3    |    | Androstane-3,12,17-trione, (5.be...  | 302 | C19H26O3 | 053604-37-8 | 30   |
| 4    |    | Androstane-3,12,17-trione, (5.al...  | 302 | C19H26O3 | 004171-01-1 | 30   |
| 5    |    | 4H-1-Benzopyran-4-one, 2-(3,4-di...  | 302 | C15H10O7 | 000117-39-5 | 27   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050815\  
Data File : BF079106.D  
Acq On : 10 May 2015 3:34  
Operator : TP/IZ  
Sample : G2118-01 5X  
Misc :  
ALS Vial : 65 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SW-019

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Cyclopentane, met... | 1.24  | 22.3    | ng    | 553516   | 1                     | 7.32  | 497155 | 20.0 |
| Propane, 2,2-dime... | 1.47  | 32.3    | ng    | 803531   | 1                     | 7.32  | 497155 | 20.0 |
| Butane, 2-methoxy... | 1.79  | 3.5     | ng    | 86016    | 1                     | 7.32  | 497155 | 20.0 |
| unknown7.03          | 7.03  | 12.9    | ng    | 321691   | 1                     | 7.32  | 497155 | 20.0 |
| Benzophenone         | 11.98 | 2.0     | ng    | 74031    | 3                     | 11.07 | 735176 | 20.0 |
| unknown15.99         | 15.99 | 3.2     | ng    | 134221   | 5                     | 16.22 | 837083 | 20.0 |