

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062916\  
 Data File : BF088513.D  
 Acq On : 30 Jun 2016 1:53  
 Operator : UM/SJ  
 Sample : H3629-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 LOCATION-5D(9-11)

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-BF062916.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         | 1.678       | 5             | 8           | 11           | rVB      | 5184869        | 9096055       | 100.00%         | 15.510%       |
| 2         | 1.747       | 11            | 14          | 23           | rVB      | 408479         | 805666        | 8.86%           | 1.374%        |
| 3         | 1.873       | 23            | 25          | 41           | rVB      | 3227772        | 5992980       | 65.89%          | 10.219%       |
| 4         | 2.078       | 41            | 43          | 87           | rVB2     | 185949         | 1081478       | 11.89%          | 1.844%        |
| 5         | 3.073       | 127           | 130         | 140          | rVB      | 47118          | 116210        | 1.28%           | 0.198%        |
| 6         | 5.004       | 295           | 299         | 305          | rVB      | 866874         | 1326496       | 14.58%          | 2.262%        |
| 7         | 5.427       | 332           | 336         | 338          | rBV      | 2998766        | 4755518       | 52.28%          | 8.109%        |
| 8         | 5.827       | 369           | 371         | 374          | rVB      | 96965          | 99997         | 1.10%           | 0.171%        |
| 9         | 6.456       | 422           | 426         | 428          | rBV      | 3737979        | 4584264       | 50.40%          | 7.817%        |
| 10        | 6.593       | 434           | 438         | 440          | rBV      | 3876350        | 4720909       | 51.90%          | 8.050%        |
| 11        | 6.822       | 455           | 458         | 460          | rBV      | 1281248        | 1080233       | 11.88%          | 1.842%        |
| 12        | 6.982       | 469           | 472         | 474          | rVB      | 3318921        | 3542045       | 38.94%          | 6.040%        |
| 13        | 7.382       | 504           | 507         | 510          | rBV      | 2441762        | 2787956       | 30.65%          | 4.754%        |
| 14        | 8.102       | 567           | 570         | 573          | rBV      | 1500408        | 1368856       | 15.05%          | 2.334%        |
| 15        | 9.188       | 661           | 665         | 667          | rBV      | 3460007        | 4675358       | 51.40%          | 7.972%        |
| 16        | 9.576       | 696           | 699         | 701          | rBV      | 550996         | 554856        | 6.10%           | 0.946%        |
| 17        | 9.851       | 721           | 723         | 725          | rBV      | 1444709        | 1367817       | 15.04%          | 2.332%        |
| 18        | 10.639      | 789           | 792         | 794          | rBV      | 2212352        | 2449428       | 26.93%          | 4.177%        |
| 19        | 10.765      | 801           | 803         | 808          | rVB      | 70996          | 91144         | 1.00%           | 0.155%        |
| 20        | 11.325      | 850           | 852         | 856          | rVV2     | 1048492        | 1432093       | 15.74%          | 2.442%        |
| 21        | 12.537      | 956           | 958         | 960          | rBV      | 337209         | 309963        | 3.41%           | 0.529%        |
| 22        | 12.754      | 975           | 977         | 980          | rBV      | 344967         | 456449        | 5.02%           | 0.778%        |
| 23        | 12.914      | 989           | 991         | 994          | rVB      | 2614756        | 2658287       | 29.22%          | 4.533%        |
| 24        | 13.817      | 1069          | 1070        | 1074         | rVB2     | 121701         | 135014        | 1.48%           | 0.230%        |
| 25        | 13.954      | 1079          | 1082        | 1088         | rVB2     | 1234357        | 1373046       | 15.09%          | 2.341%        |
| 26        | 14.960      | 1167          | 1170        | 1175         | rBV      | 110174         | 222680        | 2.45%           | 0.380%        |
| 27        | 15.291      | 1197          | 1199        | 1202         | rBV      | 96123          | 116582        | 1.28%           | 0.199%        |
| 28        | 15.360      | 1202          | 1205        | 1209         | rBV      | 879906         | 1064288       | 11.70%          | 1.815%        |
| 29        | 15.760      | 1234          | 1240        | 1245         | rBV      | 107732         | 380221        | 4.18%           | 0.648%        |

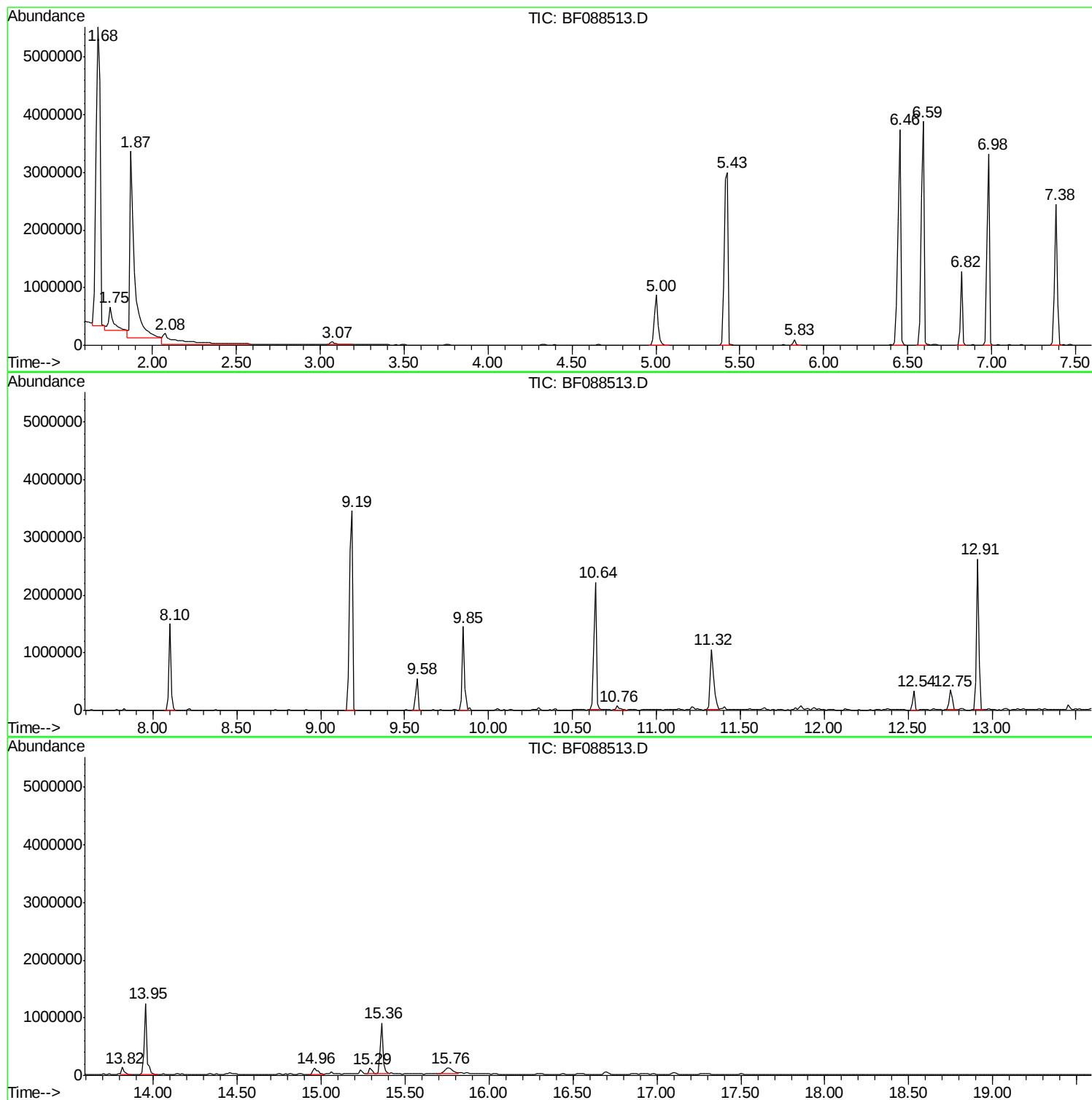
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Misc :  
ALS Vial : 14 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :  
LOCATION-5D(9-11)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P



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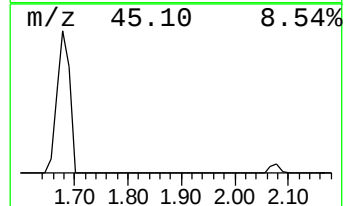
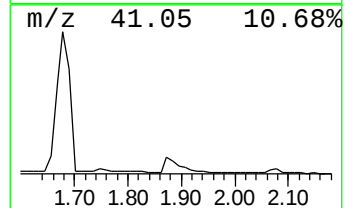
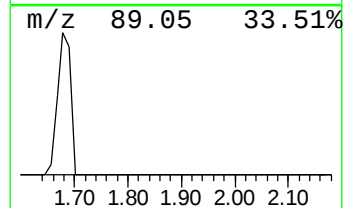
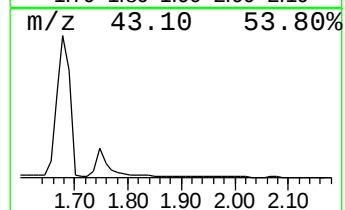
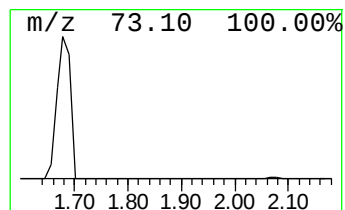
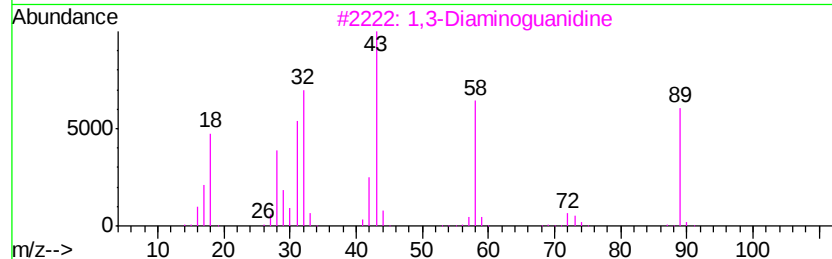
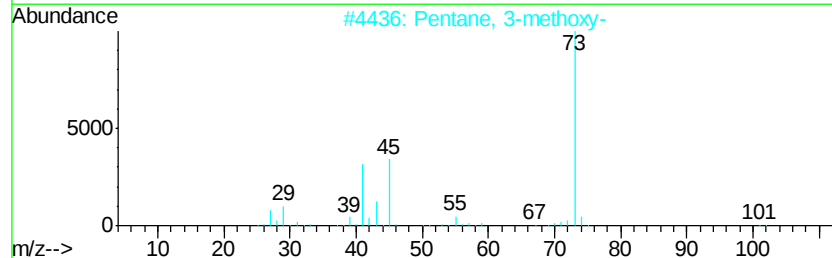
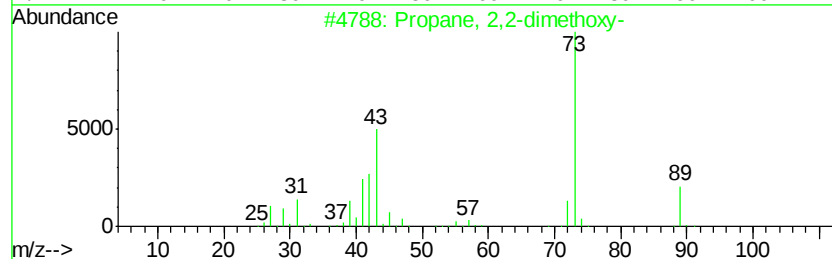
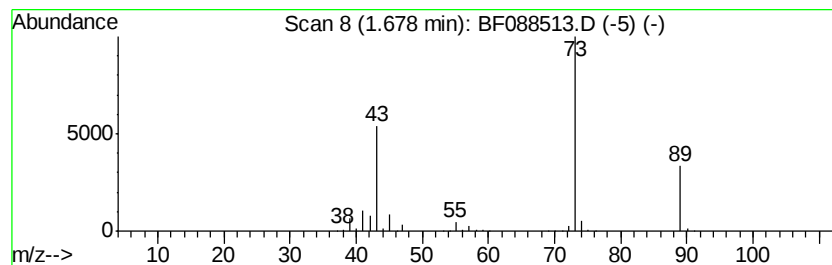
Instrument :  
BNA\_F  
ClientSampleId :  
LOCATION-5D(9-11)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

| R.T.      | EstConc                 | Area    | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------|---------|------------------------|-------------|------|
| 1.68      | 168.41 ng               | 9096060 | 1,4-Dichlorobenzene-d4 | 6.82        |      |
| Hit# of 5 | Tentative ID            | MW      | MolForm                | CAS#        | Qual |
| 1         | Propane, 2,2-dimethoxy- | 104     | C5H12O2                | 000077-76-9 | 56   |
| 2         | Pentane, 3-methoxy-     | 102     | C6H14O                 | 036839-67-5 | 17   |
| 3         | 1,3-Diaminoquanidine    | 89      | CH7N5                  | 004364-78-7 | 9    |
| 4         | 1-Propanol, 2-methyl-   | 74      | C4H10O                 | 000078-83-1 | 9    |
| 5         | N-Ethylformamide        | 73      | C3H7NO                 | 000627-45-2 | 9    |



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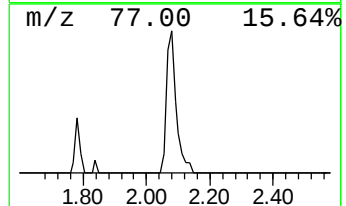
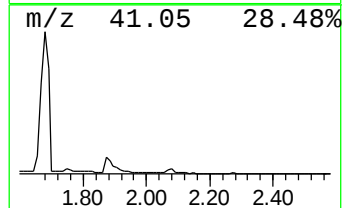
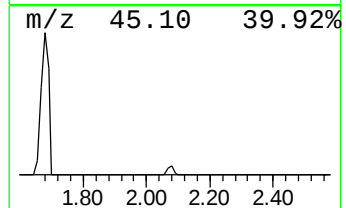
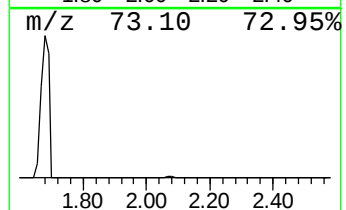
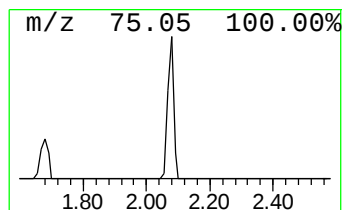
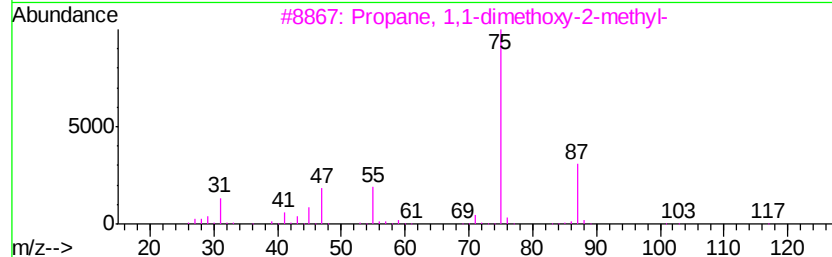
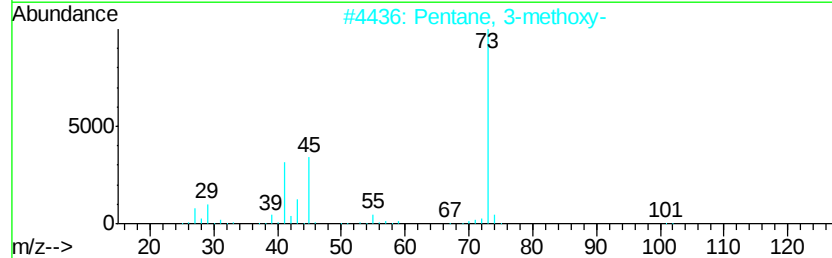
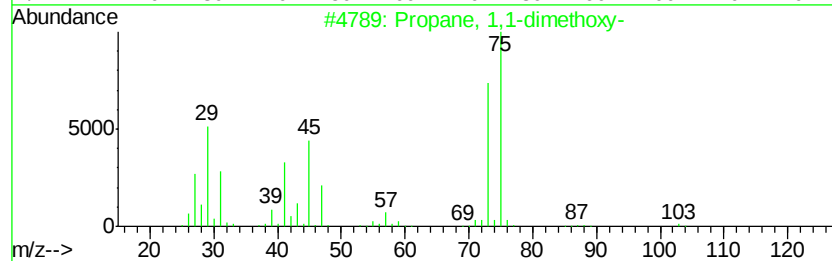
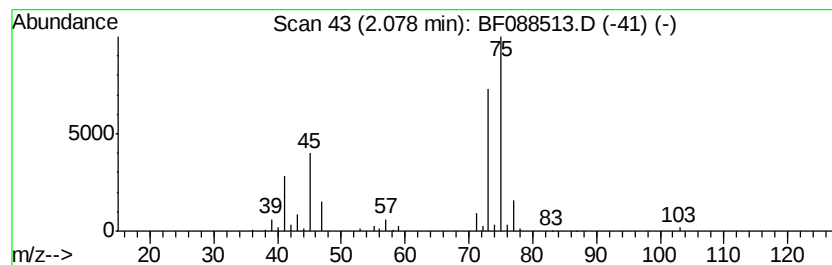
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Propane, 1,1-dimethoxy- Concentration Rank 6

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 2.08 | 20.02 ng | 1081480 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|----|----------------------------------|-----|----------|-------------|------|
| 1    | 5  | Propane, 1,1-dimethoxy-          | 104 | C5H12O2  | 004744-10-9 | 72   |
| 2    |    | Pentane, 3-methoxy-              | 102 | C6H14O   | 036839-67-5 | 22   |
| 3    |    | Propane, 1,1-dimethoxy-2-methyl- | 118 | C6H14O2  | 041632-89-7 | 9    |
| 4    |    | 1,3-Dioxolane, 2-(chloromethyl)- | 122 | C4H7ClO2 | 002568-30-1 | 9    |
| 5    |    | Glycine                          | 75  | C2H5NO2  | 000056-40-6 | 7    |



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Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
LOCATION-5D(9-11)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

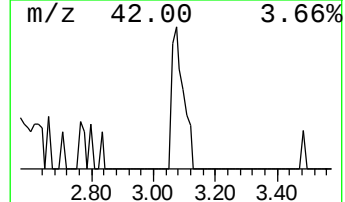
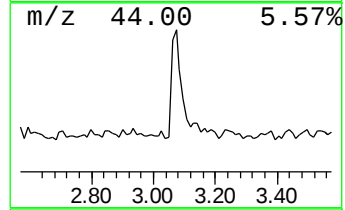
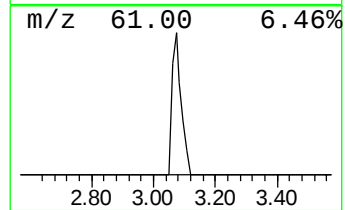
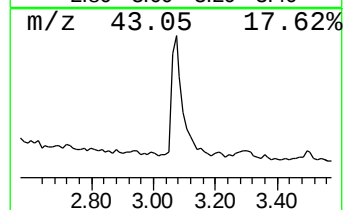
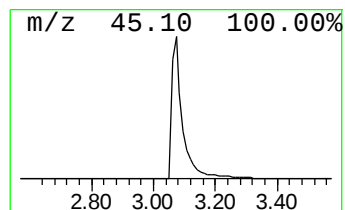
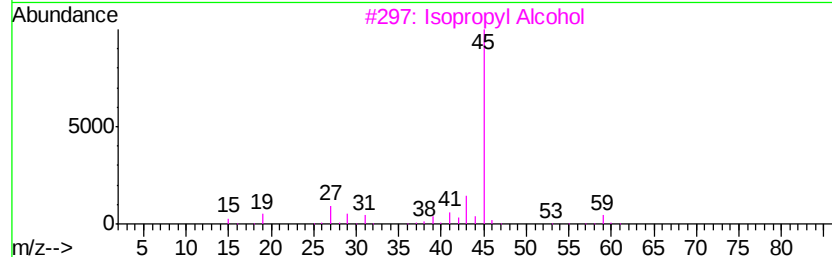
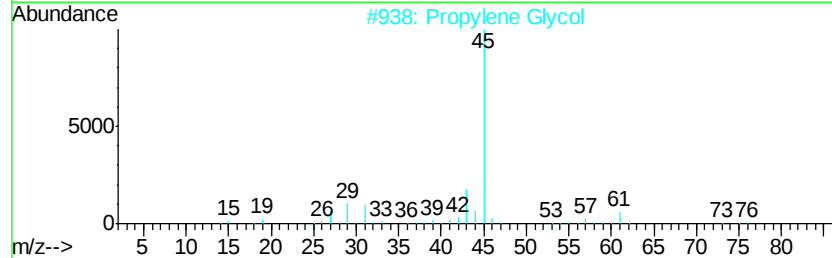
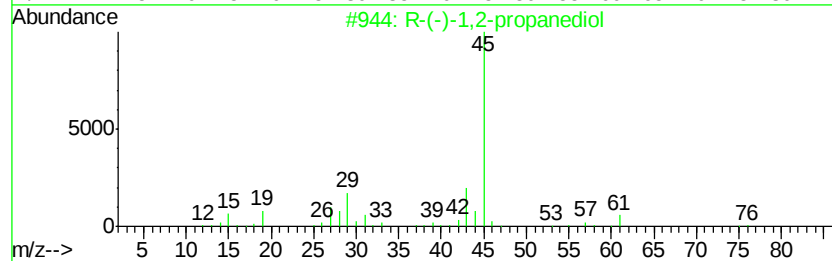
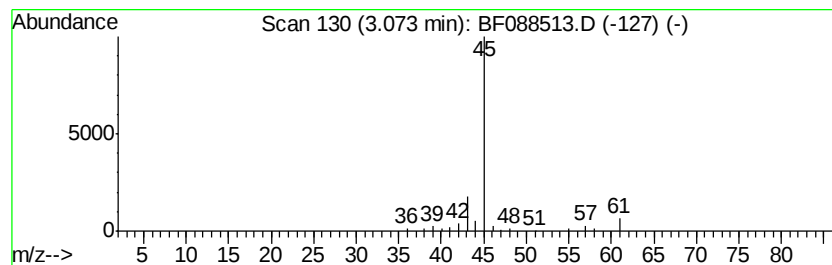
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 unknown3.07 Concentration Rank 9

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 3.07 | 2.15 ng | 116210 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------|----|---------|-------------|------|
| 1    | 5  | R-(-)-1,2-propanediol   | 76 | C3H8O2  | 004254-14-2 | 43   |
| 2    |    | Propylene Glycol        | 76 | C3H8O2  | 000057-55-6 | 43   |
| 3    |    | Isopropyl Alcohol       | 60 | C3H8O   | 000067-63-0 | 9    |
| 4    |    | (S)-(+)-1,2-Propanediol | 76 | C3H8O2  | 004254-15-3 | 9    |
| 5    |    | Formamide               | 45 | CH3NO   | 000075-12-7 | 7    |



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Instrument :  
BNA\_F  
ClientSampleId :  
LOCATION-5D(9-11)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

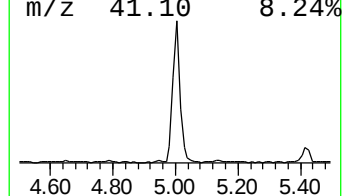
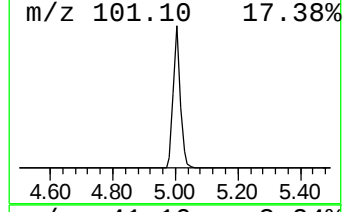
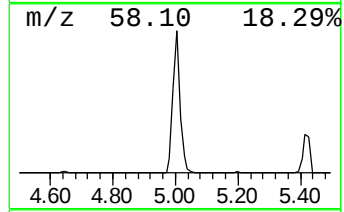
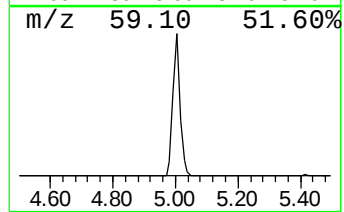
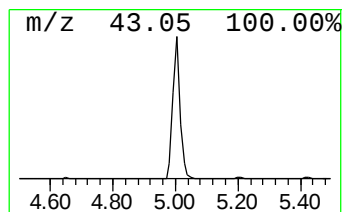
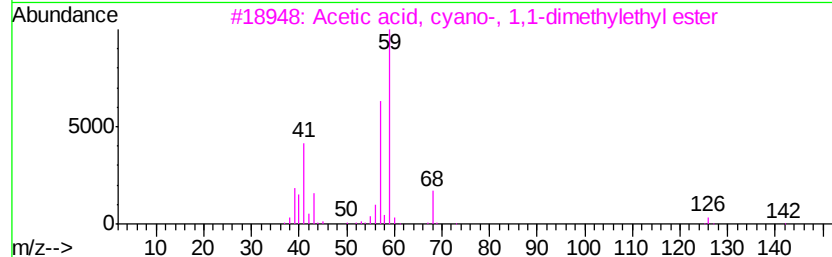
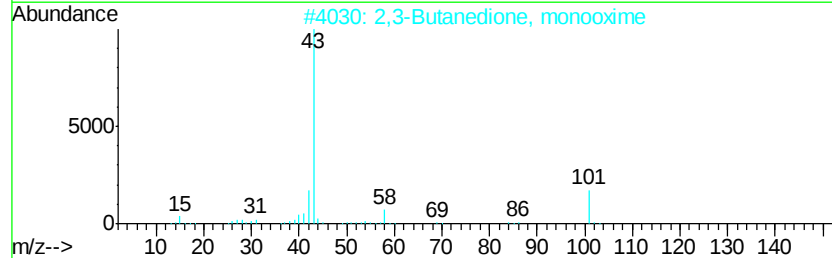
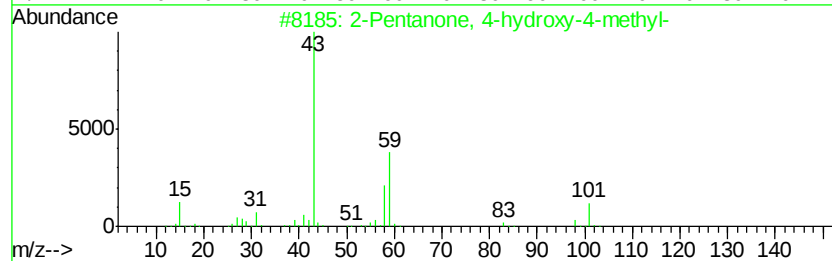
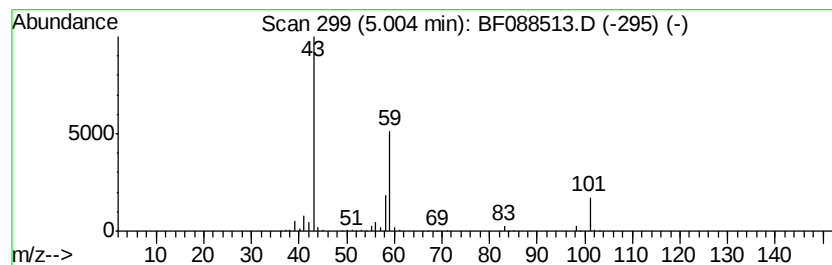
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 5.00 | 24.56 ng | 1326500 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 27   |
| 3    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 4    |    | 1-Propen-2-ol, acetate               | 100 | C5H8O2   | 000108-22-5 | 10   |
| 5    |    | Acetic acid, 1,1-dimethylethyl e...  | 116 | C6H12O2  | 000540-88-5 | 9    |



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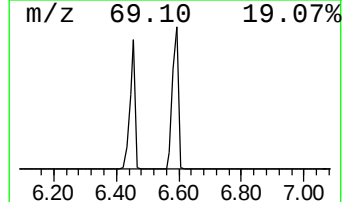
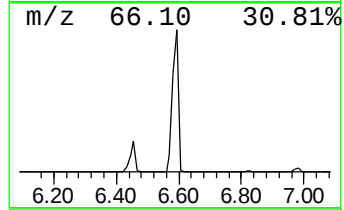
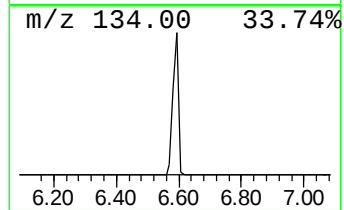
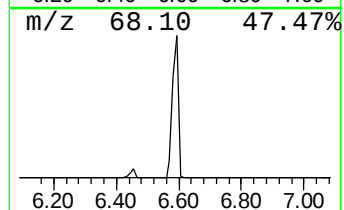
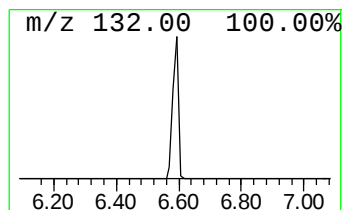
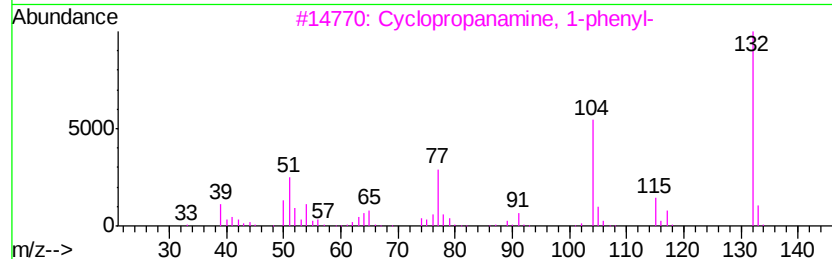
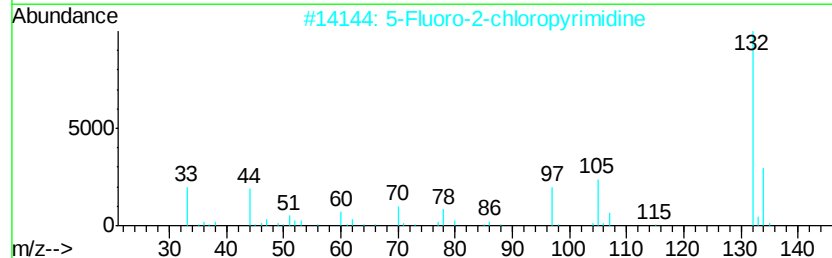
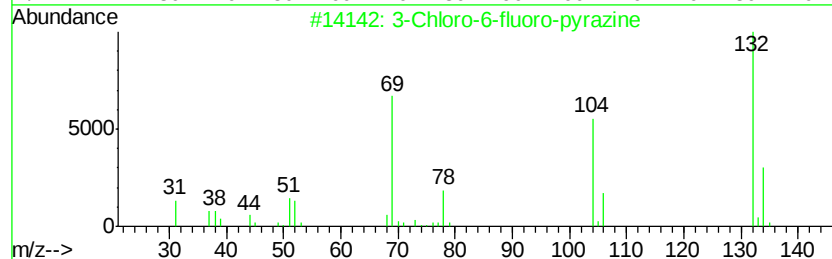
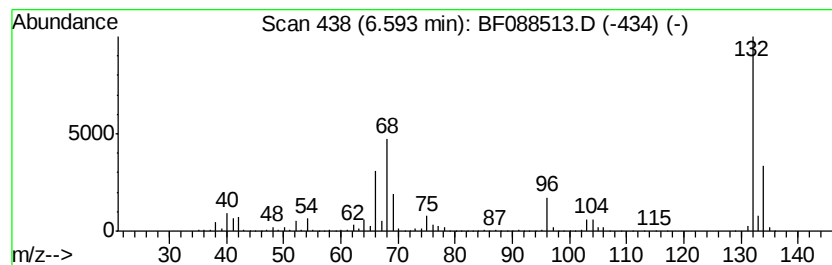
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown6.59 Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.59 | 87.41 ng | 4720910 | 1,4-Dichlorobenzene-d4 | 6.82 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 3    |    | Cyclopropanamine, 1-phenyl-         | 133 | C9H11N    | 1000351-26-2 | 10   |
| 4    |    | Tranvlcypropamine-propionyl         | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF062916\  
Data File : BF088513.D  
Acq On : 30 Jun 2016 1:53  
Operator : UM/SJ  
Sample : H3629-06  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
LOCATION-5D(9-11)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

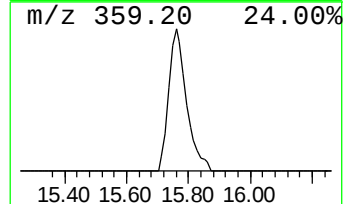
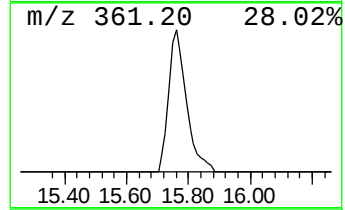
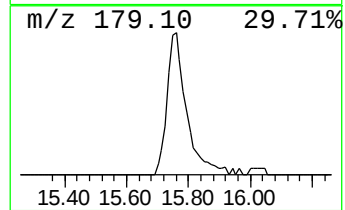
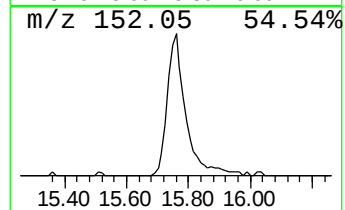
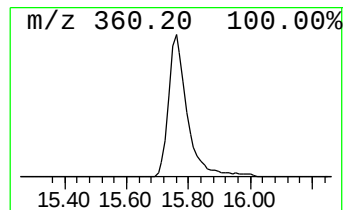
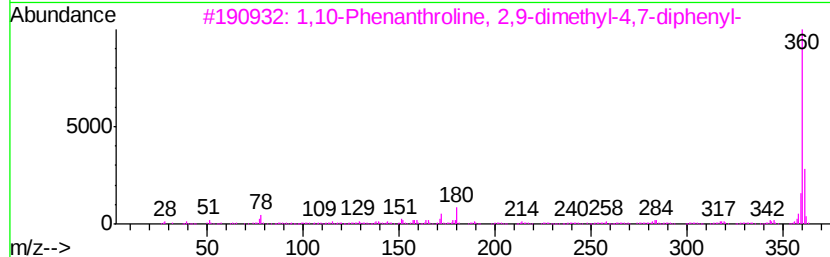
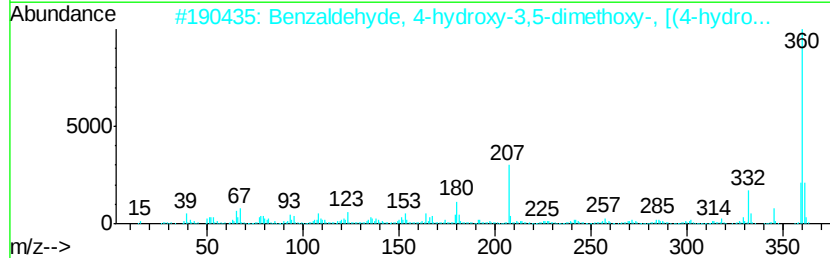
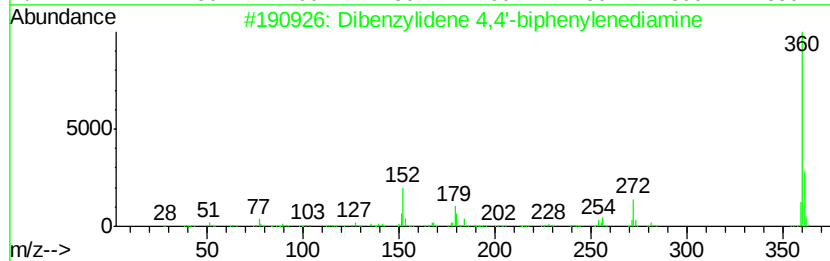
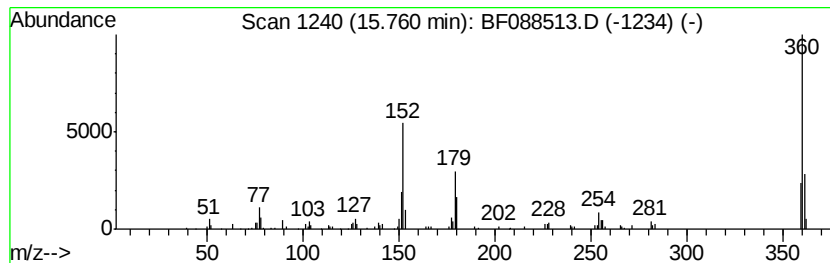
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Dibenzylidene 4,4'-biphenyl... Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.76 | 7.15 ng | 380221 | Perylene-d12     | 15.36 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Dibenzylidene 4,4'-biphenylenedi... | 360 | C26H20N2   | 006311-48-4  | 87   |
| 2    |    | Benzaldehyde, 4-hydroxy-3,5-dime... | 360 | C18H20N2O6 | 014414-32-5  | 47   |
| 3    |    | 1,10-Phenanthroline, 2,9-dimethv... | 360 | C26H20N2   | 004733-39-5  | 46   |
| 4    |    | N,N'-di-2-Naphthyl-p-phenylenedi... | 360 | C26H20N2   | 000093-46-9  | 43   |
| 5    |    | 1,3,2-Dioxaborolane, bis(spiro[4... | 360 | C20H13B06  | 1000150-23-7 | 43   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062916\  
Data File : BF088513.D  
Acq On : 30 Jun 2016 1:53  
Operator : UM/SJ  
Sample : H3629-06  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
LOCATION-5D(9-11)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF062916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Propane, 2,2-dime... | 1.68  | 168.4   | ng    | 9096060  | 1                     | 6.82  | 1080230 | 20.0 |
| Propane, 1,1-dime... | 2.08  | 20.0    | ng    | 1081480  | 1                     | 6.82  | 1080230 | 20.0 |
| unknown3.07          | 3.07  | 2.1     | ng    | 116210   | 1                     | 6.82  | 1080230 | 20.0 |
| 2-Pentanone, 4-hy... | 5.00  | 24.6    | ng    | 1326500  | 1                     | 6.82  | 1080230 | 20.0 |
| unknown6.59          | 6.59  | 87.4    | ng    | 4720910  | 1                     | 6.82  | 1080230 | 20.0 |
| Dibenzylidene 4,4... | 15.76 | 7.2     | ng    | 380221   | 6                     | 15.36 | 1064290 | 20.0 |