

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050219\  
 Data File : BG040711.D  
 Acq On : 2 May 2019 17:44  
 Operator : JU/SJ  
 Sample : K2653-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MR-SUMP-PIT

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:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG042319.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         | 3.158       | 6             | 12          | 21           | rBV      | 333957         | 579249        | 10.86%          | 2.634%        |
| 2         | 3.234       | 21            | 25          | 32           | rVB      | 109234         | 162469        | 3.05%           | 0.739%        |
| 3         | 5.678       | 433           | 441         | 453          | rVB      | 526443         | 839212        | 15.73%          | 3.816%        |
| 4         | 7.282       | 704           | 714         | 725          | rBV      | 364023         | 619030        | 11.60%          | 2.815%        |
| 5         | 7.670       | 773           | 780         | 787          | rBV      | 914507         | 1521245       | 28.51%          | 6.917%        |
| 6         | 8.146       | 852           | 861         | 870          | rBV      | 169184         | 282184        | 5.29%           | 1.283%        |
| 7         | 8.469       | 908           | 916         | 924          | rBV      | 731203         | 1265951       | 23.73%          | 5.757%        |
| 8         | 9.321       | 1053          | 1061        | 1071         | rBV      | 721945         | 1302962       | 24.42%          | 5.925%        |
| 9         | 10.972      | 1335          | 1342        | 1349         | rVB      | 223720         | 390067        | 7.31%           | 1.774%        |
| 10        | 13.399      | 1748          | 1755        | 1767         | rBV      | 1870953        | 2897931       | 54.32%          | 13.178%       |
| 11        | 14.774      | 1982          | 1989        | 1997         | rVB2     | 376994         | 610169        | 11.44%          | 2.775%        |
| 12        | 16.260      | 2234          | 2242        | 2255         | rBV      | 1711499        | 2669243       | 50.03%          | 12.138%       |
| 13        | 17.517      | 2450          | 2456        | 2465         | rBV      | 565315         | 848506        | 15.90%          | 3.858%        |
| 14        | 18.369      | 2596          | 2601        | 2608         | rBV      | 102538         | 154704        | 2.90%           | 0.703%        |
| 15        | 19.633      | 2810          | 2816        | 2823         | rBV3     | 57698          | 97353         | 1.82%           | 0.443%        |
| 16        | 20.114      | 2889          | 2898        | 2906         | rBV      | 4193258        | 5334906       | 100.00%         | 24.259%       |
| 17        | 21.407      | 3112          | 3118        | 3126         | rBV2     | 80510          | 141956        | 2.66%           | 0.646%        |
| 18        | 21.801      | 3178          | 3185        | 3195         | rBV2     | 566756         | 971112        | 18.20%          | 4.416%        |
| 19        | 22.594      | 3314          | 3320        | 3325         | rBV3     | 30708          | 60367         | 1.13%           | 0.275%        |
| 20        | 23.311      | 3436          | 3442        | 3450         | rVB3     | 46386          | 89554         | 1.68%           | 0.407%        |
| 21        | 24.151      | 3579          | 3585        | 3593         | rVB3     | 47444          | 109355        | 2.05%           | 0.497%        |
| 22        | 25.156      | 3746          | 3756        | 3769         | rBV2     | 320634         | 978054        | 18.33%          | 4.447%        |
| 23        | 26.331      | 3948          | 3956        | 3958         | rBV7     | 29892          | 65786         | 1.23%           | 0.299%        |

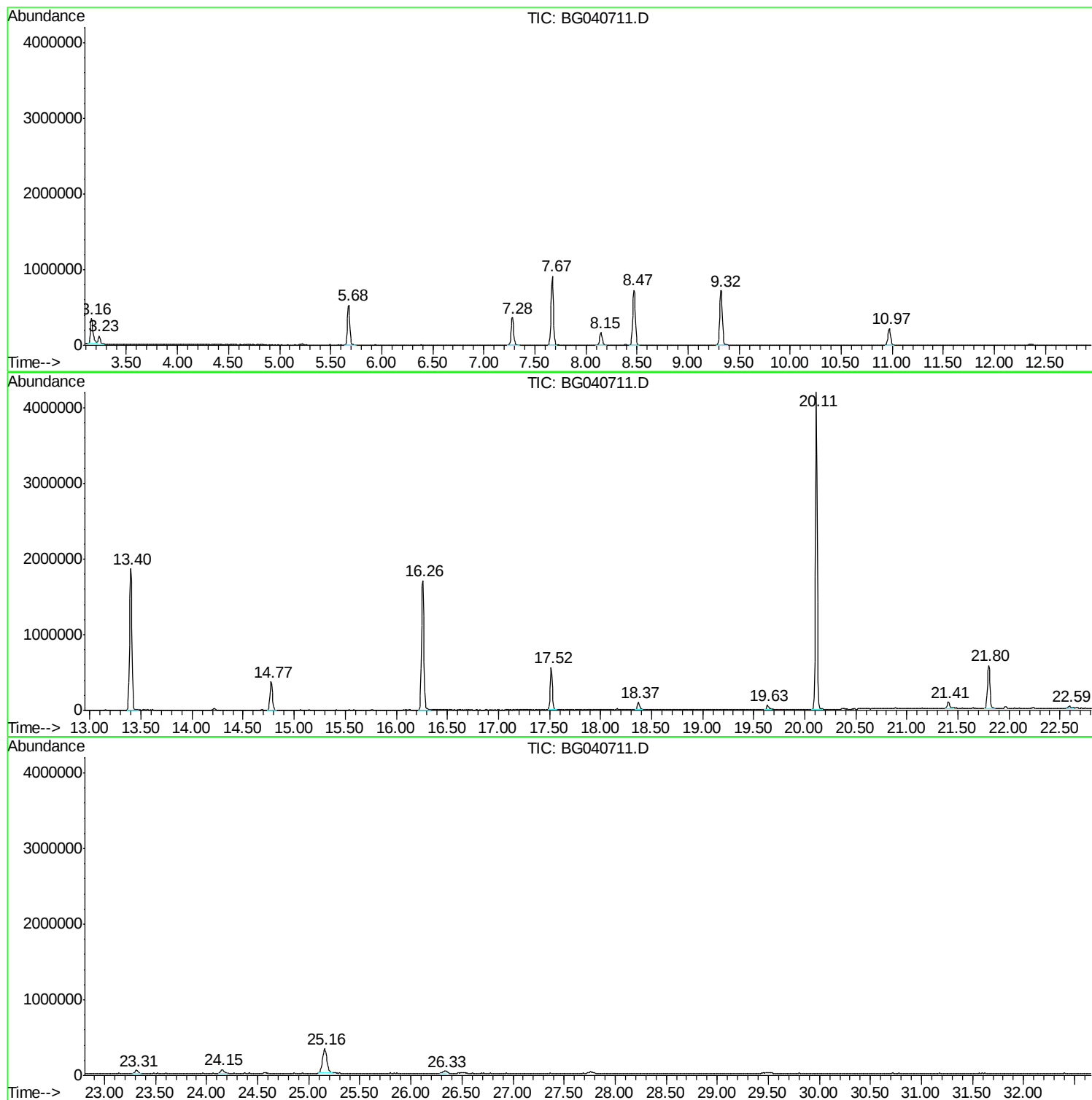
Sum of corrected areas: 21991365

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050219\  
Data File : BG040711.D  
Acq On : 2 May 2019 17:44  
Operator : JU/SJ  
Sample : K2653-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MR-SUMP-PIT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050219\  
Data File : BG040711.D  
Acq On : 2 May 2019 17:44  
Operator : JU/SJ  
Sample : K2653-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MR-SUMP-PIT

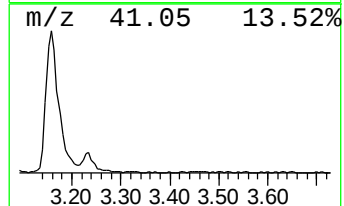
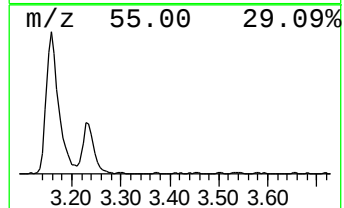
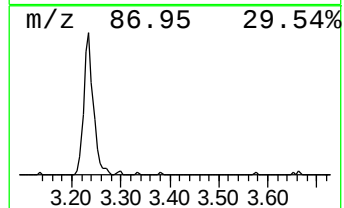
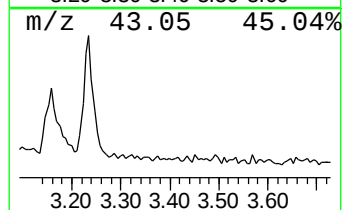
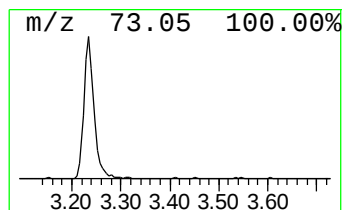
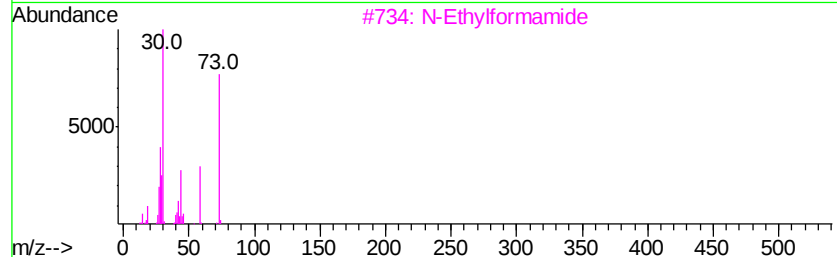
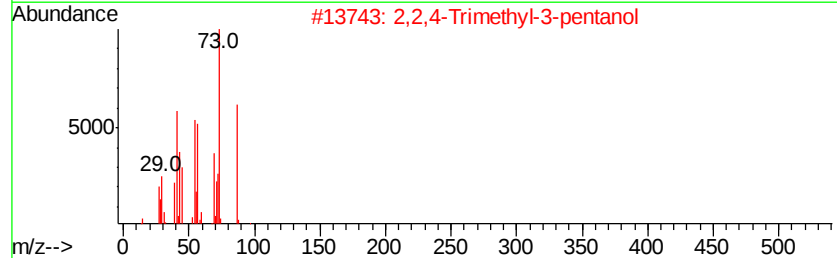
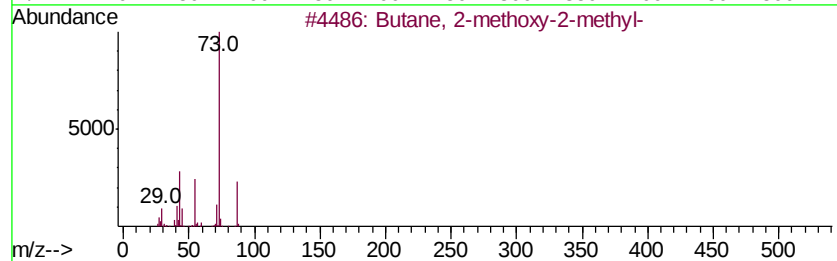
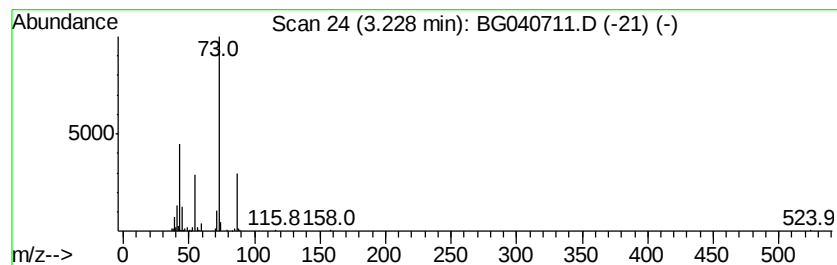
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 3.23 | 11.52 ng | 162469 | 1,4-Dichlorobenzene-d4 | 8.15 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 56   |
| 3    |    |   | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 4    |    |   | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |
| 5    |    |   | 3-Hexanol, 2,4-dimethyl-    | 130 | C8H18O  | 013432-25-2 | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050219\  
Data File : BG040711.D  
Acq On : 2 May 2019 17:44  
Operator : JU/SJ  
Sample : K2653-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MR-SUMP-PIT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

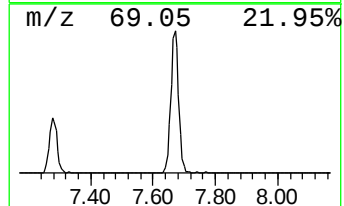
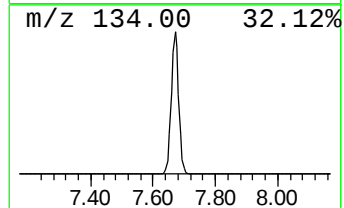
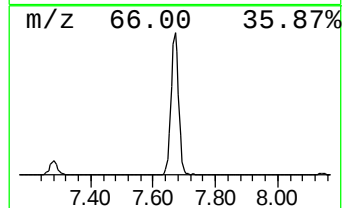
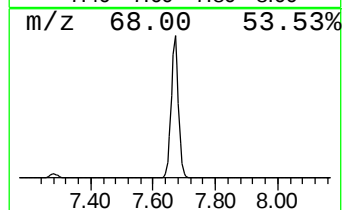
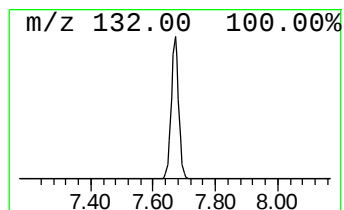
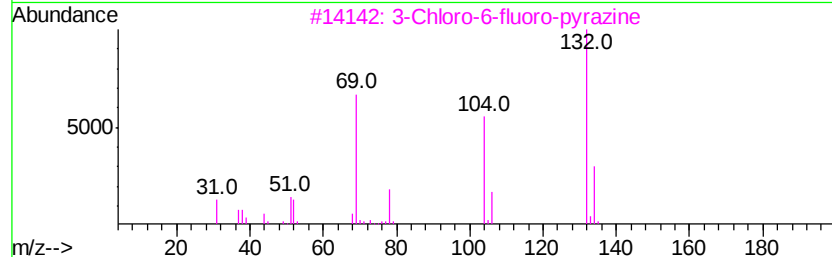
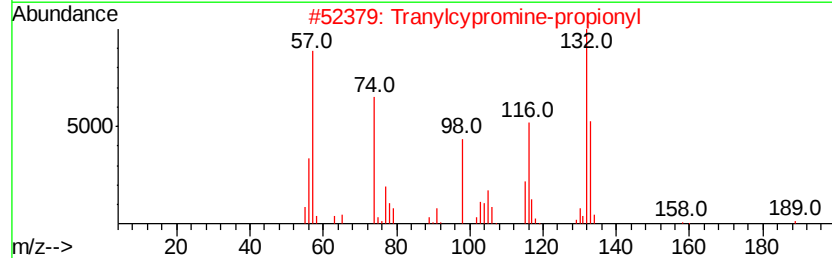
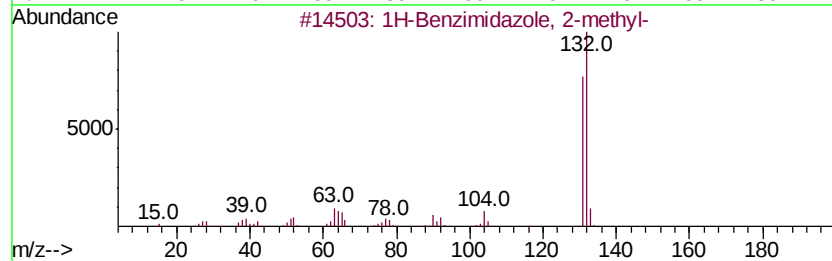
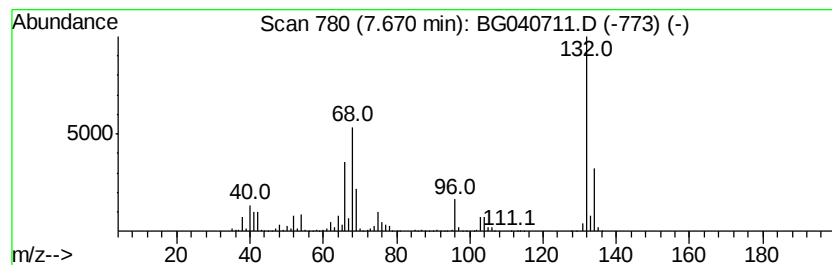
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown7.67 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.67 | 107.82 ng | 1521250 | 1,4-Dichlorobenzene-d4 | 8.15 |

| Hit# | of | Tentative ID                | MW  | MolForm   | CAS#         | Qual |
|------|----|-----------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2    | 000615-15-6  | 22   |
| 2    |    | Tranylcypromine-propionyl   | 189 | C12H15NO  | 1000123-86-3 | 22   |
| 3    |    | 3-Chloro-6-fluoro-pyrazine  | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 4    |    | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 5    |    | Cyclopropanamine, 1-phenyl- | 133 | C9H11N    | 1000351-26-2 | 14   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050219\  
Data File : BG040711.D  
Acq On : 2 May 2019 17:44  
Operator : JU/SJ  
Sample : K2653-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MR-SUMP-PIT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

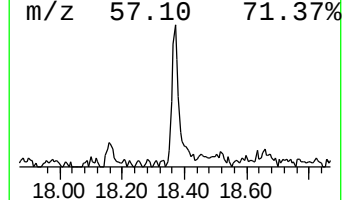
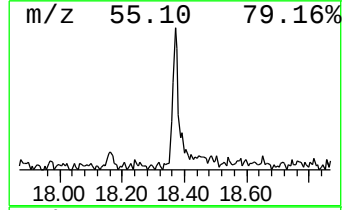
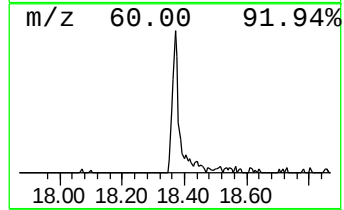
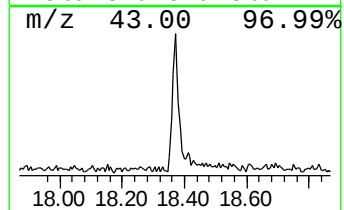
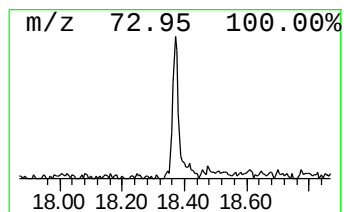
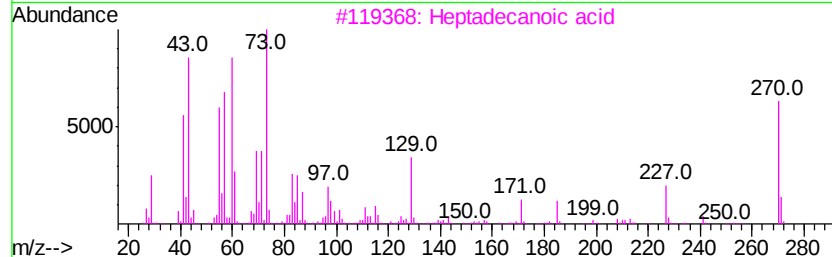
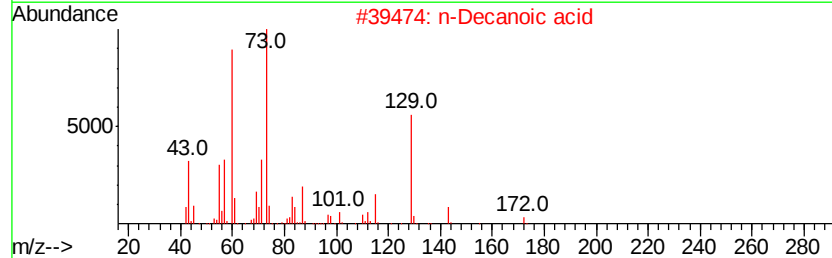
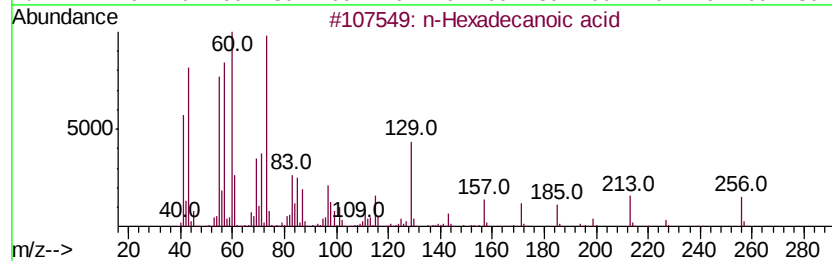
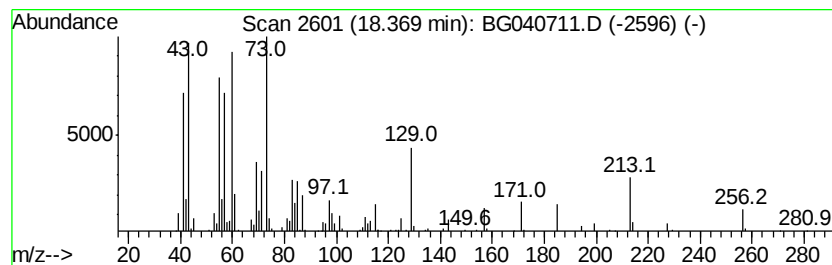
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 18.37 | 3.65 ng | 154704 | Phenanthrene-d10 | 17.52 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2       |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 95   |
| 3       |   | Heptadecanoic acid  | 270 | C17H34O2 | 000506-12-7 | 90   |
| 4       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 81   |
| 5       |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050219\  
Data File : BG040711.D  
Acq On : 2 May 2019 17:44  
Operator : JU/SJ  
Sample : K2653-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

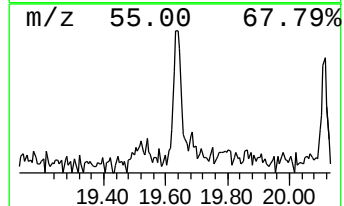
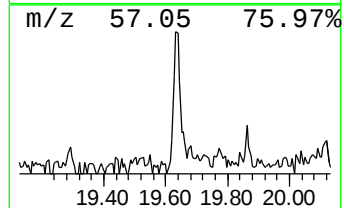
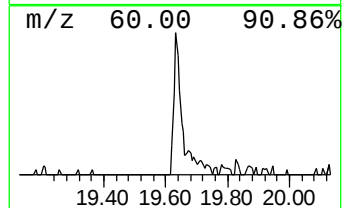
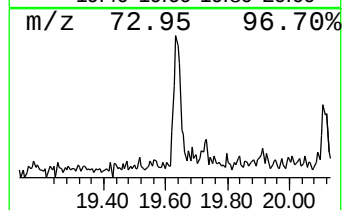
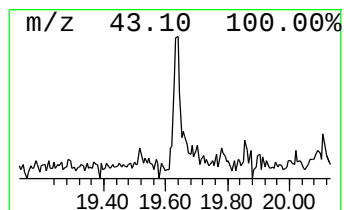
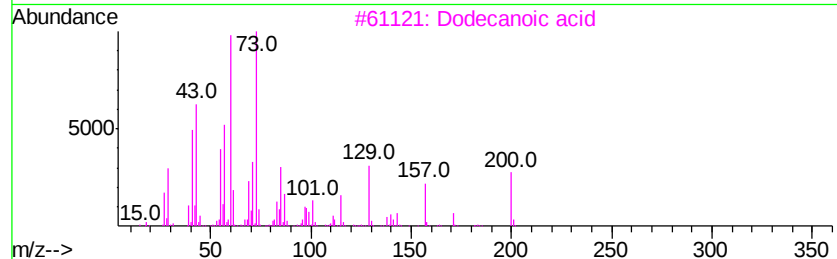
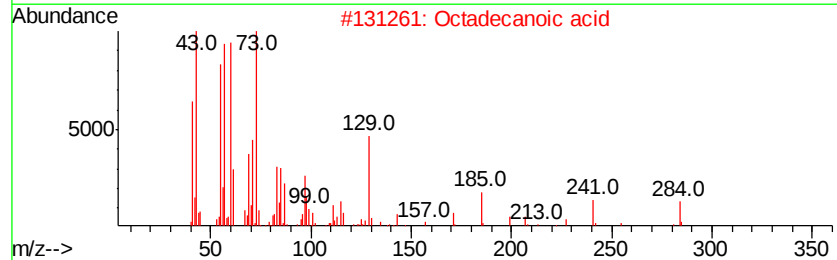
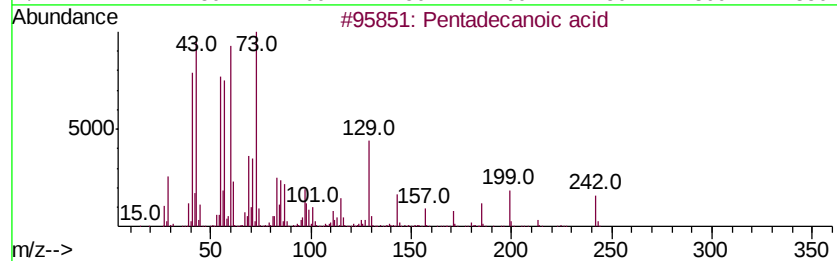
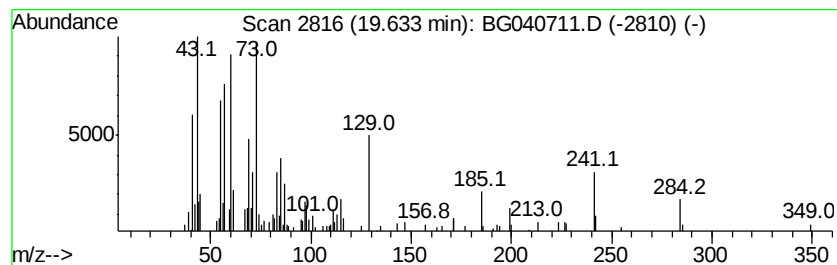
Instrument :  
BNA\_G  
ClientSampleId :  
MR-SUMP-PIT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 Pentadecanoic acid Concentration Rank 7

| R.T.      | EstConc             | Area  | Relative to ISTD |             | R.T.  |
|-----------|---------------------|-------|------------------|-------------|-------|
| 19.63     | 2.29 ng             | 97353 | Phenanthrene-d10 |             | 17.52 |
| Hit# of 5 | Tentative ID        | MW    | MolForm          | CAS#        | Qual  |
| 1         | Pentadecanoic acid  | 242   | C15H30O2         | 001002-84-2 | 93    |
| 2         | Octadecanoic acid   | 284   | C18H36O2         | 000057-11-4 | 89    |
| 3         | Dodecanoic acid     | 200   | C12H24O2         | 000143-07-7 | 74    |
| 4         | Tetradecanoic acid  | 228   | C14H28O2         | 000544-63-8 | 59    |
| 5         | n-Hexadecanoic acid | 256   | C16H32O2         | 000057-10-3 | 58    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050219\  
 Data File : BG040711.D  
 Acq On : 2 May 2019 17:44  
 Operator : JU/SJ  
 Sample : K2653-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MR-SUMP-PIT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

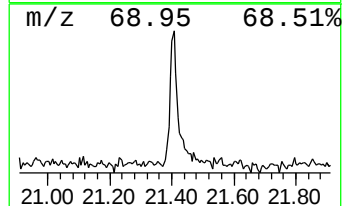
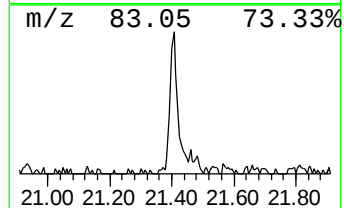
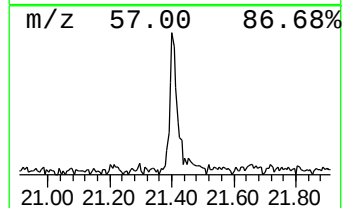
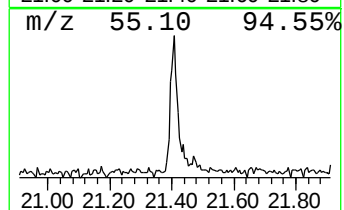
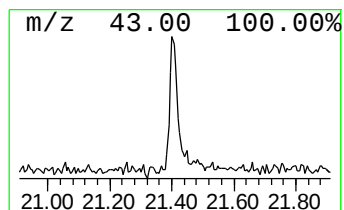
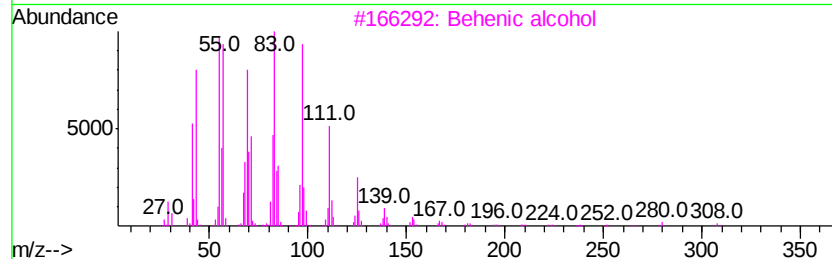
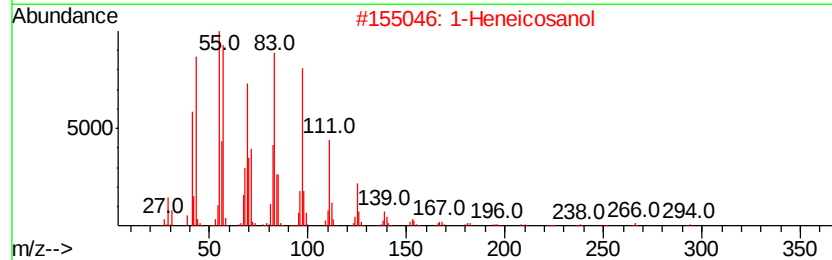
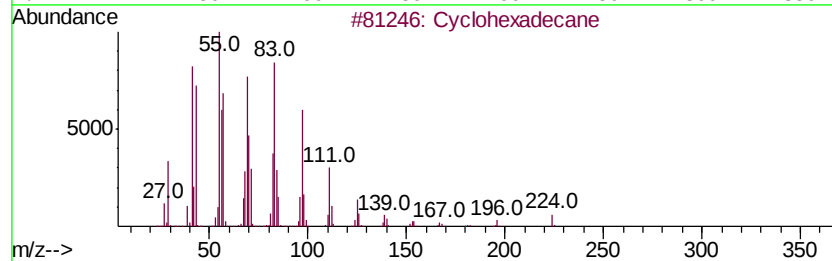
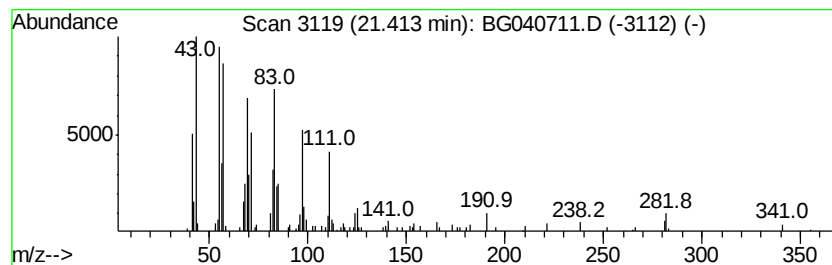
TIC Library : C:\Database\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 7 Cyclohexadecane Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.41 | 2.92 ng | 141956 | Chrysene-d12     | 21.80 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | Cyclohexadecane                     | 224 | C16H32      | 000295-65-8 | 95   |
| 2    |    | 1-Heneicosanol                      | 312 | C21H44O     | 015594-90-8 | 91   |
| 3    |    | Behenic alcohol                     | 326 | C22H46O     | 000661-19-8 | 91   |
| 4    |    | n-Tetracosanol-1                    | 354 | C24H50O     | 000506-51-4 | 91   |
| 5    |    | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050219\  
Data File : BG040711.D  
Acq On : 2 May 2019 17:44  
Operator : JU/SJ  
Sample : K2653-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MR-SUMP-PIT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

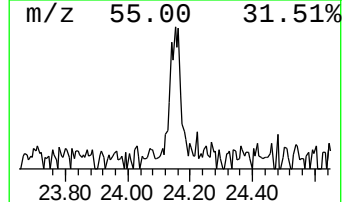
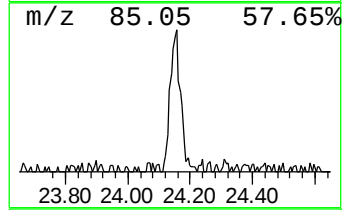
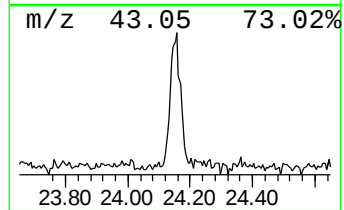
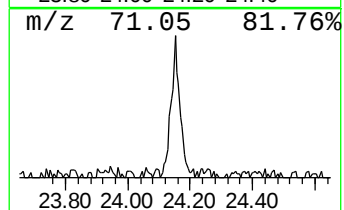
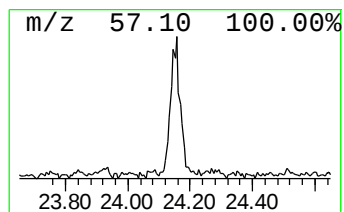
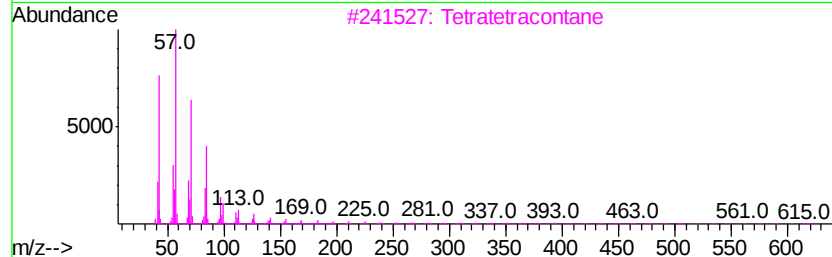
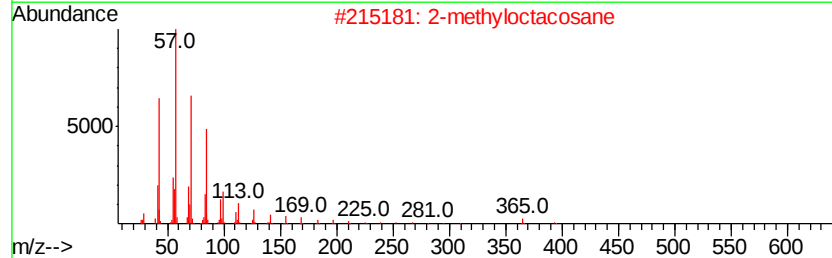
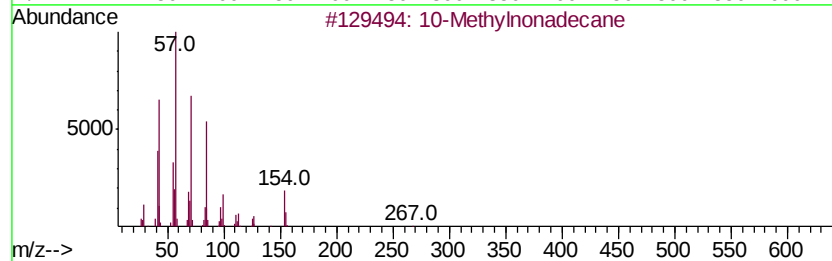
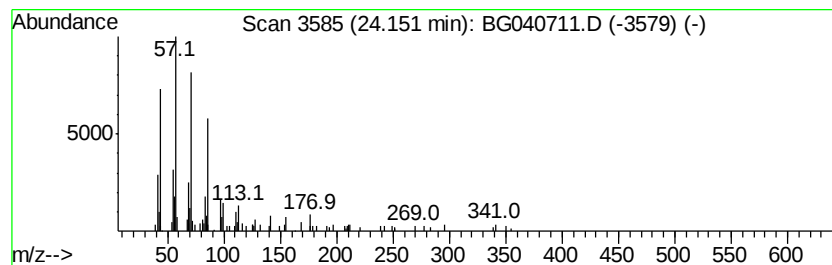
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 10-Methylnonadecane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 24.15 | 2.24 ng | 109355 | Perylene-d12     | 25.16 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#         | Qual |
|------|----|------------------------|-----|---------|--------------|------|
| 1    | 5  | 10-Methylnonadecane    | 282 | C20H42  | 056862-62-5  | 91   |
| 2    |    | 2-methyloctacosane     | 408 | C29H60  | 1000376-72-8 | 91   |
| 3    |    | Tetratetracontane      | 619 | C44H90  | 007098-22-8  | 91   |
| 4    |    | Hexacosane             | 366 | C26H54  | 000630-01-3  | 91   |
| 5    |    | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG050219\  
Data File : BG040711.D  
Acq On : 2 May 2019 17:44  
Operator : JU/SJ  
Sample : K2653-01  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
MR-SUMP-PIT

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG042319.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 |
| Butane, 2-methoxy... | 3.23  | 11.5    | ng    | 162469   | 1                     | 8.15  | 282184 | 20.0 |
| unknown7.67          | 7.67  | 107.8   | ng    | 1521250  | 1                     | 8.15  | 282184 | 20.0 |
| n-Hexadecanoic acid  | 18.37 | 3.6     | ng    | 154704   | 4                     | 17.52 | 848506 | 20.0 |
| Pentadecanoic acid   | 19.63 | 2.3     | ng    | 97353    | 4                     | 17.52 | 848506 | 20.0 |
| Cyclohexadecane      | 21.41 | 2.9     | ng    | 141956   | 5                     | 21.80 | 971112 | 20.0 |
| 10-Methylnonadecane  | 24.15 | 2.2     | ng    | 109355   | 6                     | 25.16 | 978054 | 20.0 |