

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\  
 Data File : BM018585.D  
 Acq On : 16 Jan 2019 16:14  
 Operator : JU/SJ  
 Sample : K1147-13  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-5

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM010919.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         | 4.887       | 301           | 306         | 315          | rVB      | 168867         | 254615        | 1.70%           | 0.307%        |
| 2         | 5.340       | 376           | 383         | 398          | rBV      | 3748315        | 5634840       | 37.70%          | 6.788%        |
| 3         | 6.922       | 645           | 652         | 667          | rBV      | 3824347        | 6349672       | 42.48%          | 7.650%        |
| 4         | 7.281       | 706           | 713         | 725          | rBV      | 4239755        | 6685801       | 44.73%          | 8.055%        |
| 5         | 7.746       | 783           | 792         | 798          | rBV      | 810856         | 1274958       | 8.53%           | 1.536%        |
| 6         | 8.063       | 839           | 846         | 854          | rBV      | 3173263        | 5050463       | 33.79%          | 6.084%        |
| 7         | 8.916       | 982           | 991         | 1003         | rBV      | 2328877        | 3941138       | 26.37%          | 4.748%        |
| 8         | 10.540      | 1260          | 1267        | 1278         | rBV      | 1083629        | 1811714       | 12.12%          | 2.183%        |
| 9         | 13.010      | 1679          | 1687        | 1698         | rBV      | 6553156        | 9706448       | 64.94%          | 11.694%       |
| 10        | 13.857      | 1824          | 1831        | 1839         | rBV      | 1141441        | 1639177       | 10.97%          | 1.975%        |
| 11        | 14.263      | 1894          | 1900        | 1913         | rVB3     | 75259          | 195961        | 1.31%           | 0.236%        |
| 12        | 14.398      | 1916          | 1923        | 1931         | rVB2     | 1572398        | 2502599       | 16.74%          | 3.015%        |
| 13        | 15.892      | 2170          | 2177        | 2193         | rBV      | 5686770        | 8133937       | 54.42%          | 9.799%        |
| 14        | 17.145      | 2384          | 2390        | 2397         | rBV2     | 2184910        | 3011414       | 20.15%          | 3.628%        |
| 15        | 18.033      | 2536          | 2541        | 2559         | rBV      | 1200117        | 1875777       | 12.55%          | 2.260%        |
| 16        | 19.198      | 2735          | 2739        | 2753         | rBV2     | 393418         | 683230        | 4.57%           | 0.823%        |
| 17        | 19.316      | 2755          | 2759        | 2771         | rBV      | 353336         | 612312        | 4.10%           | 0.738%        |
| 18        | 19.780      | 2832          | 2838        | 2843         | rBV      | 12140405       | 14946006      | 100.00%         | 18.006%       |
| 19        | 21.033      | 3048          | 3051        | 3057         | rBV      | 657706         | 676345        | 4.53%           | 0.815%        |
| 20        | 21.339      | 3098          | 3103        | 3112         | rVB      | 3225649        | 4274177       | 28.60%          | 5.149%        |
| 21        | 23.615      | 3484          | 3490        | 3497         | rVB2     | 1938440        | 3745548       | 25.06%          | 4.512%        |

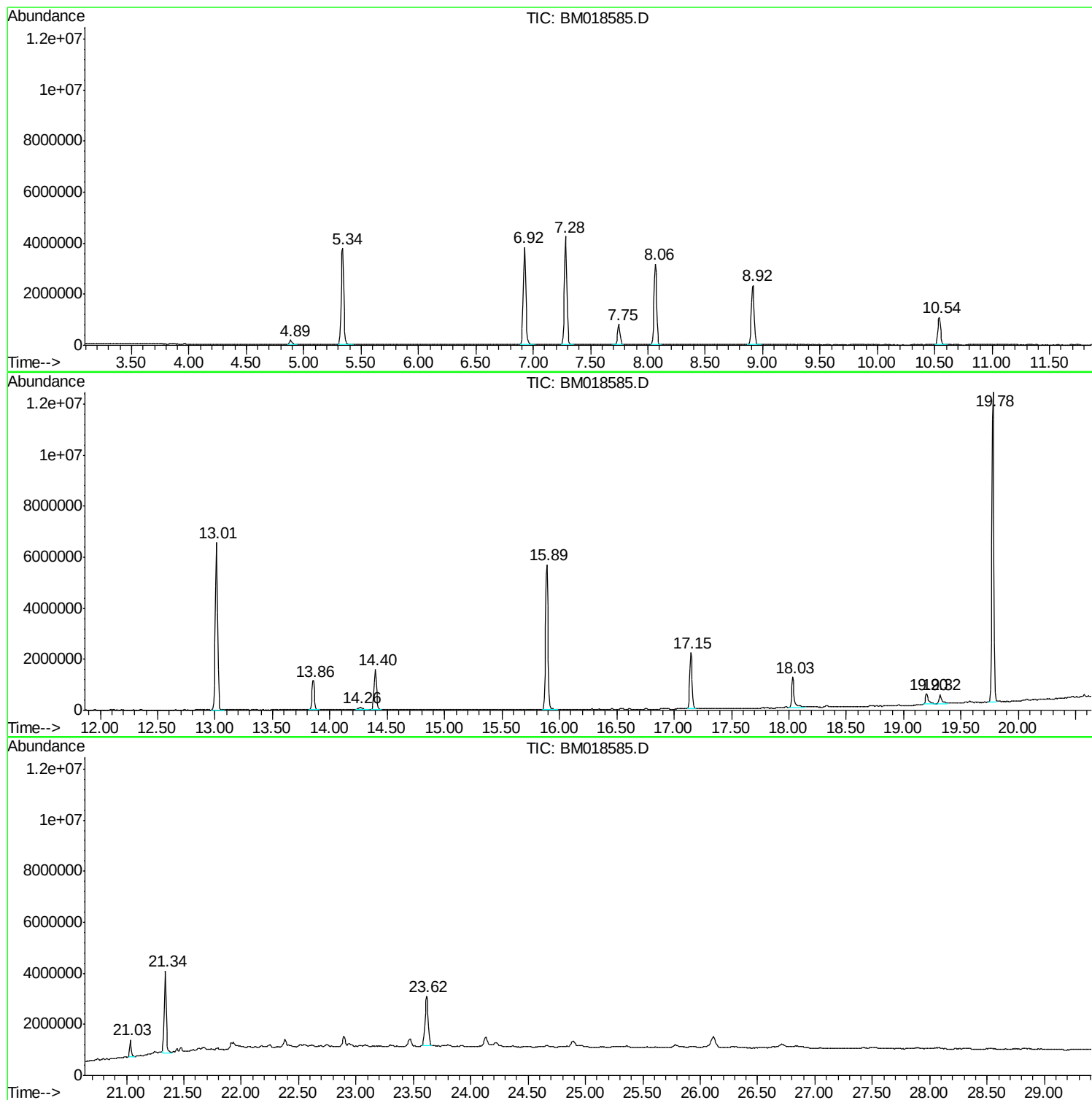
Sum of corrected areas: 83006132

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\  
Data File : BM018585.D  
Acq On : 16 Jan 2019 16:14  
Operator : JU/SJ  
Sample : K1147-13  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
TP-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\  
Data File : BM018585.D  
Acq On : 16 Jan 2019 16:14  
Operator : JU/SJ  
Sample : K1147-13  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
TP-5

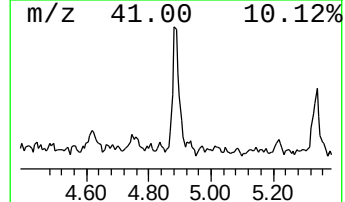
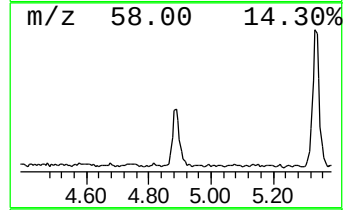
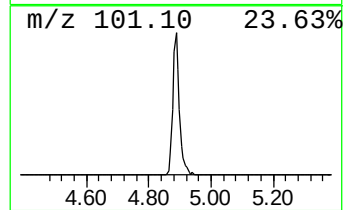
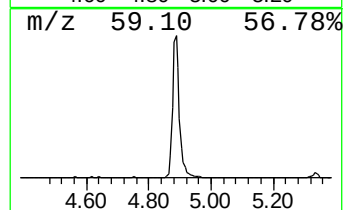
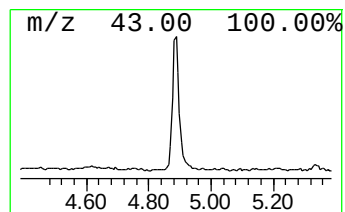
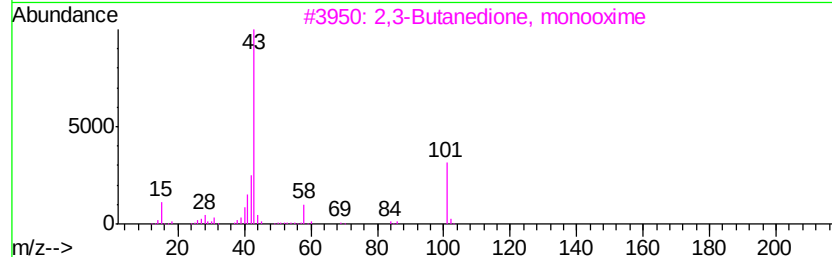
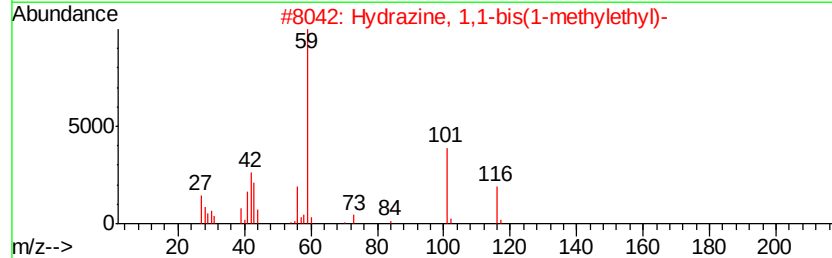
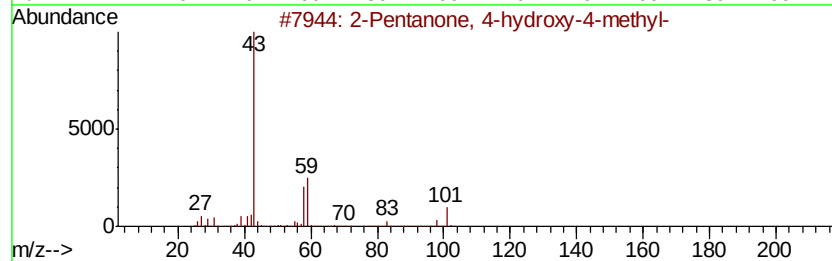
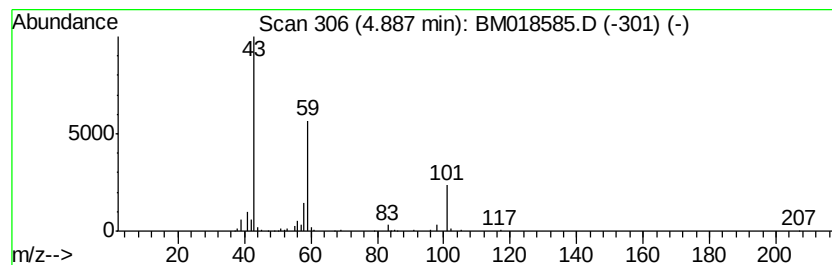
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.89 | 3.99 ng | 254615 | 1,4-Dichlorobenzene-d4 | 7.75 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 72   |
| 2    |    |   | Hydrazine, 1,1-bis(1-methylethyl)-  | 116 | C6H16N2  | 000921-14-2 | 40   |
| 3    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2  | 000057-71-6 | 32   |
| 4    |    |   | Butanamide, 2-hydroxy-2,N-dimethyl- | 117 | C5H11NO2 | 039961-72-3 | 25   |
| 5    |    |   | 1-Propanol, 2,2'-oxybis-            | 134 | C6H14O3  | 000108-61-2 | 17   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\  
Data File : BM018585.D  
Acq On : 16 Jan 2019 16:14  
Operator : JU/SJ  
Sample : K1147-13  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
TP-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

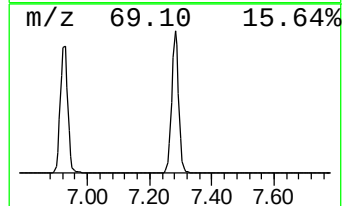
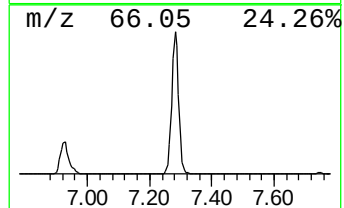
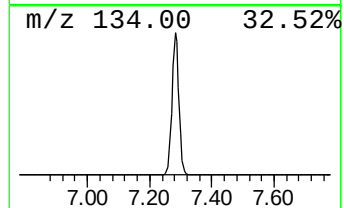
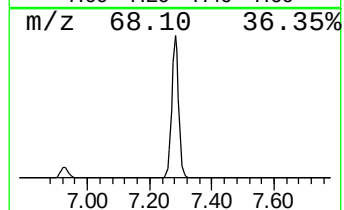
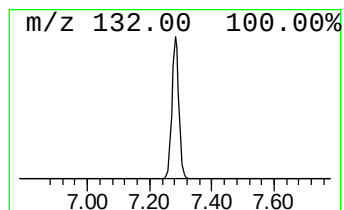
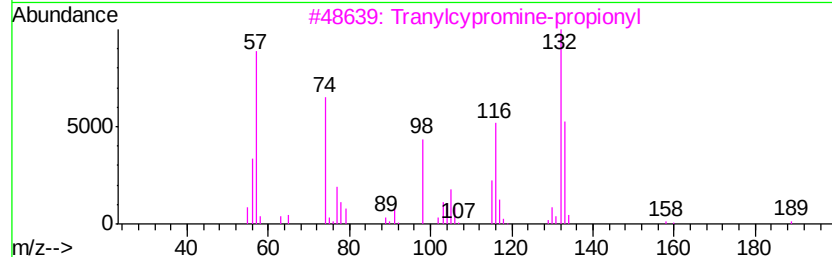
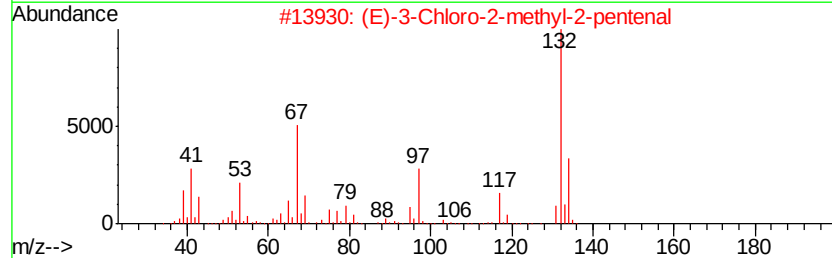
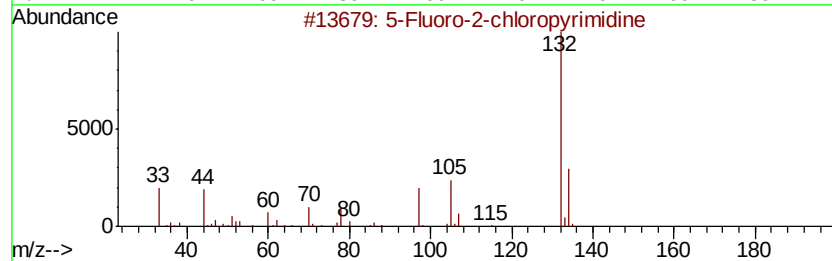
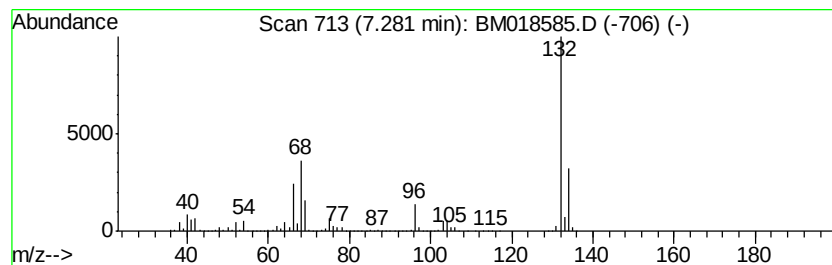
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown7.28 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.28 | 104.88 ng | 6685800 | 1,4-Dichlorobenzene-d4 | 7.75 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 25   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | Tranvlcypramine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | Benzene, 1,3,5-trifluoro-           | 132 | C6H3F3    | 000372-38-3  | 9    |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\  
Data File : BM018585.D  
Acq On : 16 Jan 2019 16:14  
Operator : JU/SJ  
Sample : K1147-13  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
TP-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

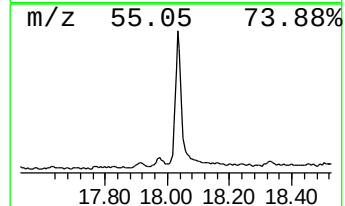
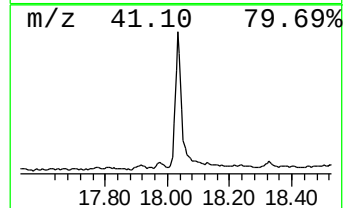
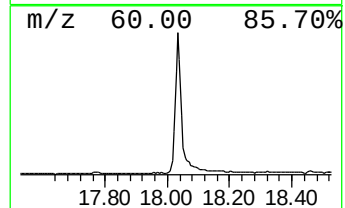
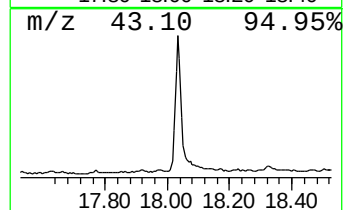
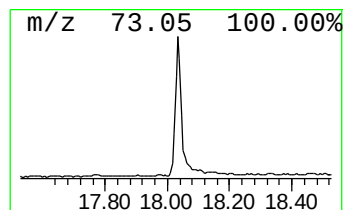
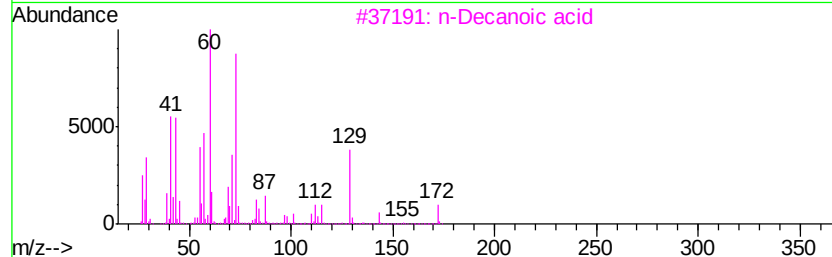
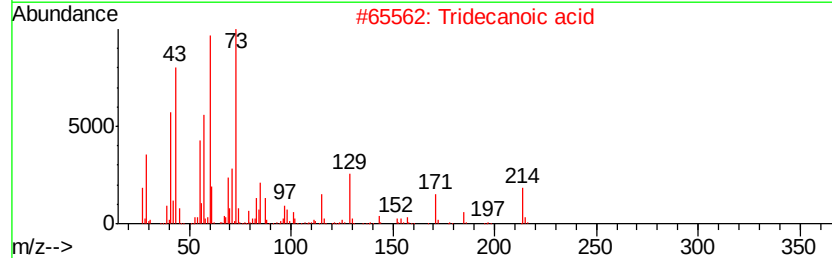
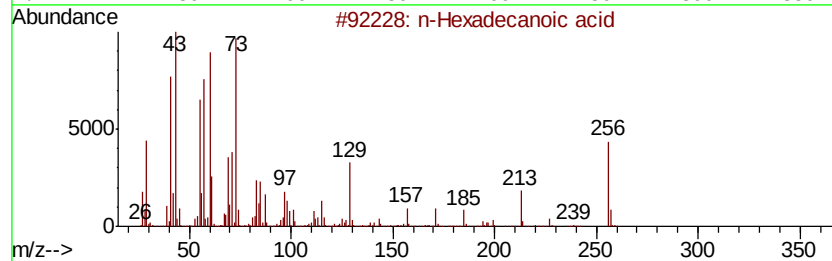
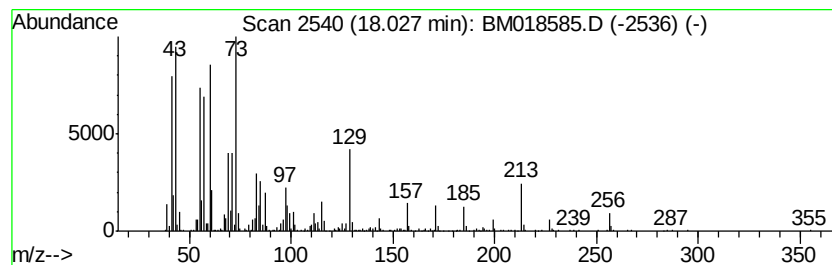
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 18.03 | 12.46 ng | 1875780 | Phenanthrene-d10 | 17.15 |

| Hit# | of | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------|-----|----------|-------------|------|
| 1    | 5  | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2    |    | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 93   |
| 3    |    | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 76   |
| 4    |    | Undecanoic acid     | 186 | C11H22O2 | 000112-37-8 | 64   |
| 5    |    | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 58   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\  
Data File : BM018585.D  
Acq On : 16 Jan 2019 16:14  
Operator : JU/SJ  
Sample : K1147-13  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

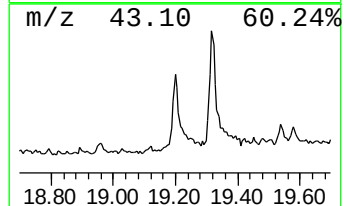
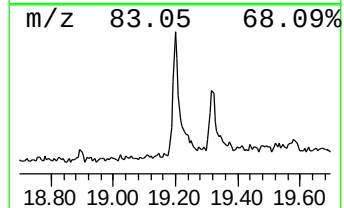
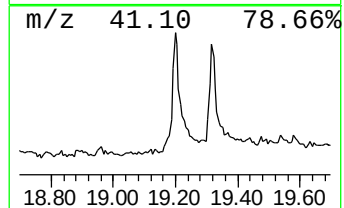
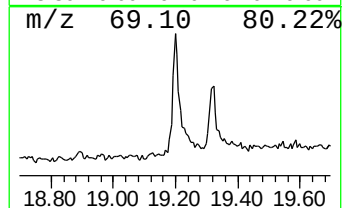
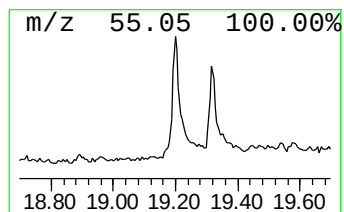
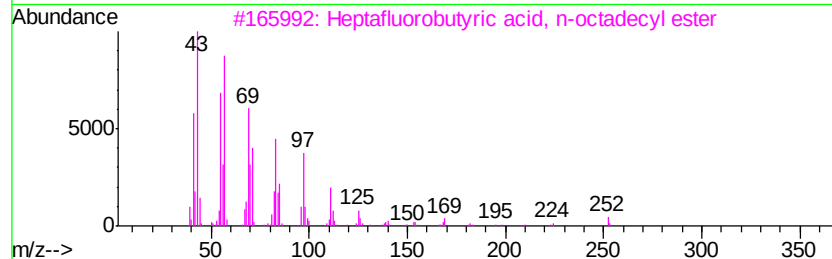
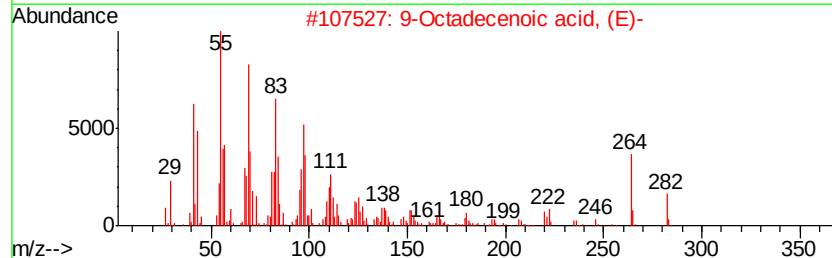
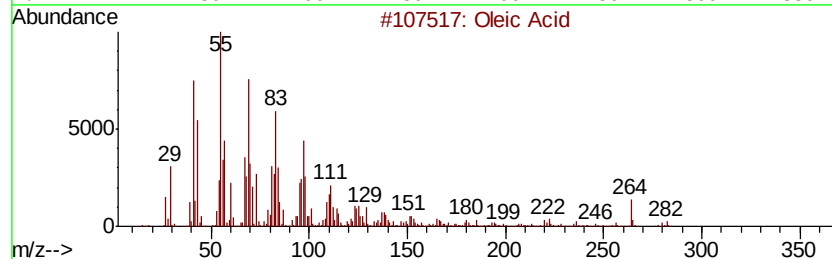
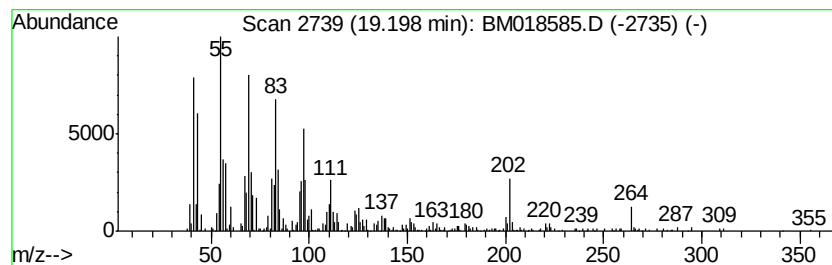
Instrument :  
BNA\_M  
ClientSampleId :  
TP-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 Oleic Acid Concentration Rank 4

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 19.20     | 4.54 ng                             | 683230 | Phenanthrene-d10 | 17.15        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Oleic Acid                          | 282    | C18H34O2         | 000112-80-1  | 90   |
| 2         | 9-Octadecenoic acid, (E)-           | 282    | C18H34O2         | 000112-79-8  | 70   |
| 3         | Heptafluorobutyric acid, n-octad... | 466    | C22H37F7O2       | 000400-57-7  | 58   |
| 4         | Heptafluorobutyric acid, n-penta... | 424    | C19H31F7O2       | 1000216-79-3 | 52   |
| 5         | 6-Octadecenoic acid, (Z)-           | 282    | C18H34O2         | 000593-39-5  | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\  
Data File : BM018585.D  
Acq On : 16 Jan 2019 16:14  
Operator : JU/SJ  
Sample : K1147-13  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

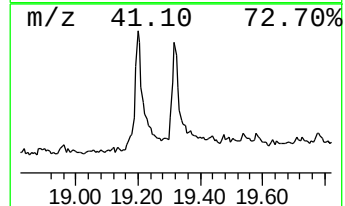
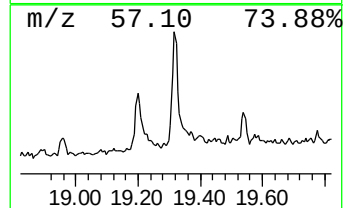
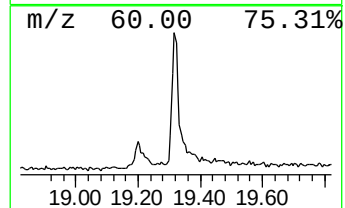
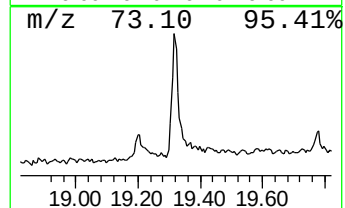
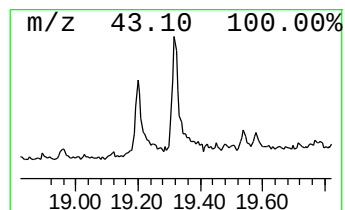
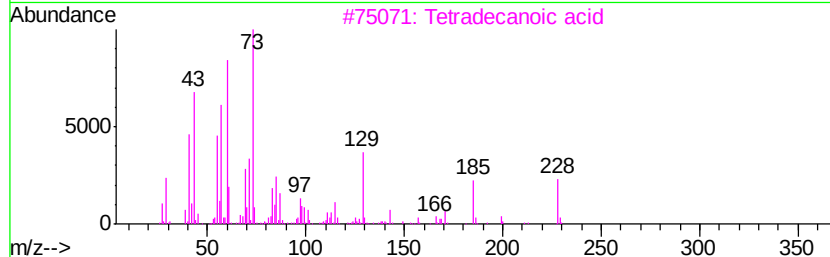
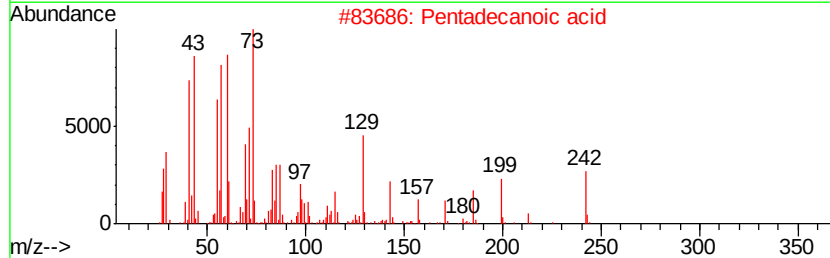
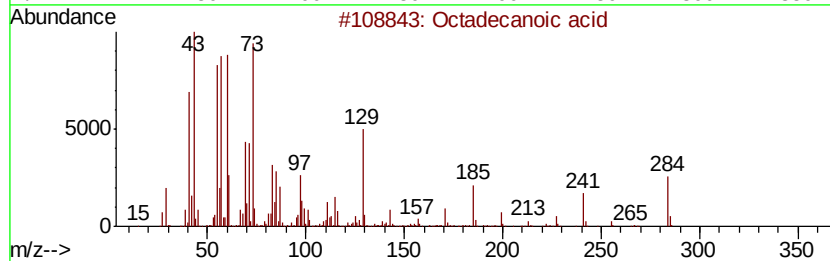
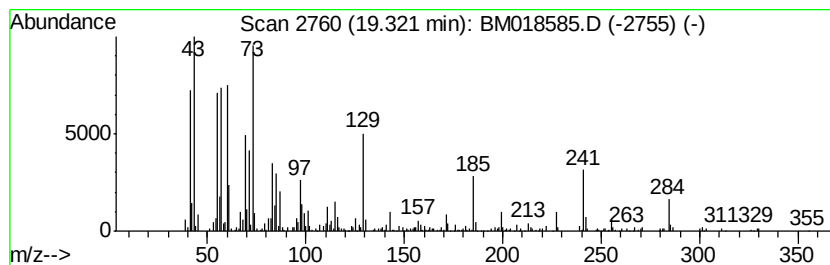
Instrument :  
BNA\_M  
ClientSampleId :  
TP-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T.  | EstConc | Area   | Relative to ISTD   |     | R.T.     |             |      |
|-------|---------|--------|--------------------|-----|----------|-------------|------|
| 19.32 | 2.87 ng | 612312 | Chrysene-d12       |     | 21.34    |             |      |
| Hit#  | of      | 5      | Tentative ID       | MW  | MolForm  | CAS#        | Qual |
| 1     |         |        | Octadecanoic acid  | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2     |         |        | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 93   |
| 3     |         |        | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 74   |
| 4     |         |        | n-Decanoic acid    | 172 | C10H20O2 | 000334-48-5 | 53   |
| 5     |         |        | Tridecanoic acid   | 214 | C13H26O2 | 000638-53-9 | 52   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM011619\  
Data File : BM018585.D  
Acq On : 16 Jan 2019 16:14  
Operator : JU/SJ  
Sample : K1147-13  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
TP-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM010919.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

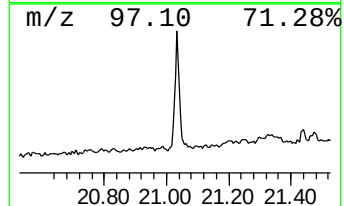
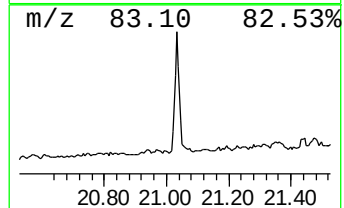
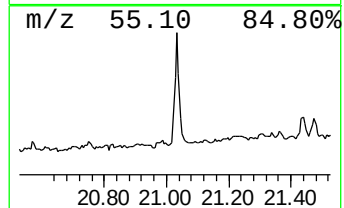
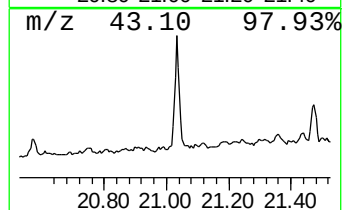
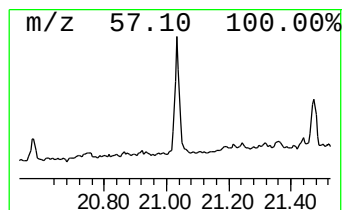
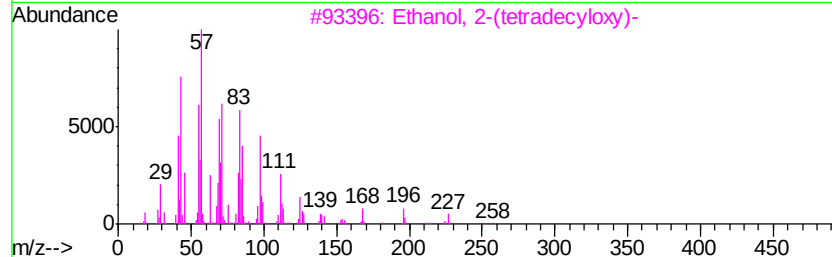
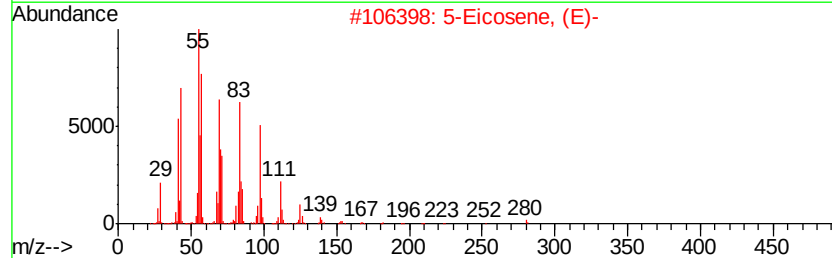
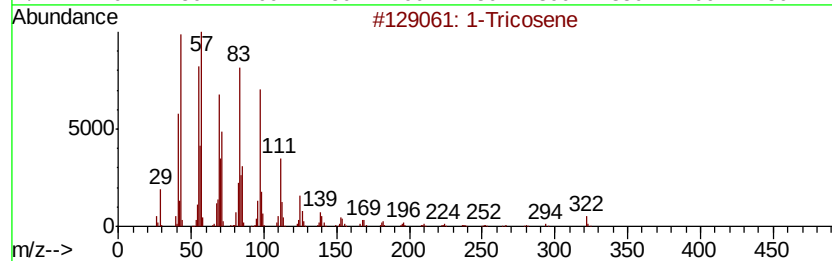
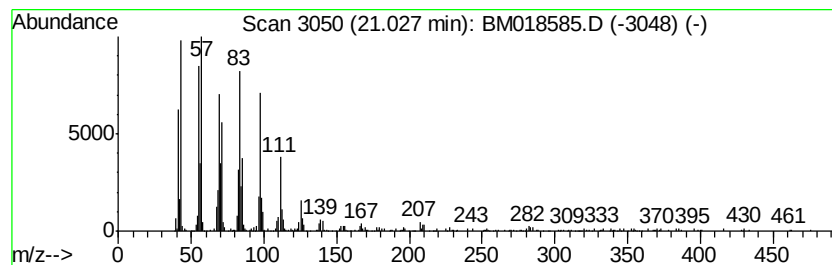
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 1-Tricosene Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.03 | 3.16 ng | 676345 | Chrysene-d12     | 21.34 |

| Hit# of | 5                           | Tentative ID | MW  | MolForm  | CAS#        | Qual |
|---------|-----------------------------|--------------|-----|----------|-------------|------|
| 1       | 1-Tricosene                 |              | 322 | C23H46   | 018835-32-0 | 98   |
| 2       | 5-Eicosene, (E)-            |              | 280 | C20H40   | 074685-30-6 | 95   |
| 3       | Ethanol, 2-(tetradecyloxy)- |              | 258 | C16H34O2 | 002136-70-1 | 95   |
| 4       | Cyclotetracosane            |              | 336 | C24H48   | 000297-03-0 | 94   |
| 5       | 1-Heneicosyl formate        |              | 340 | C22H44O2 | 077899-03-7 | 94   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM011619\  
Data File : BM018585.D  
Acq On : 16 Jan 2019 16:14  
Operator : JU/SJ  
Sample : K1147-13  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
TP-5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM010919.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 |
| 2-Pentanone, 4-hy... | 4.89  | 4.0     | ng    | 254615   | 1                     | 7.75  | 1274960 | 20.0 |
| unknown7.28          | 7.28  | 104.9   | ng    | 6685800  | 1                     | 7.75  | 1274960 | 20.0 |
| n-Hexadecanoic acid  | 18.03 | 12.5    | ng    | 1875780  | 4                     | 17.15 | 3011410 | 20.0 |
| Oleic Acid           | 19.20 | 4.5     | ng    | 683230   | 4                     | 17.15 | 3011410 | 20.0 |
| Octadecanoic acid    | 19.32 | 2.9     | ng    | 612312   | 5                     | 21.34 | 4274180 | 20.0 |
| 1-Tricosene          | 21.03 | 3.2     | ng    | 676345   | 5                     | 21.34 | 4274180 | 20.0 |