

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101218\  
 Data File : BG037316.D  
 Acq On : 13 Oct 2018 8:03  
 Operator : JU/SJ  
 Sample : J5383-05  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 100918-SIDI-F-U-M

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-BG101118.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         | 5.196       | 320           | 325         | 334          | rVB      | 37405          | 60219         | 1.19%           | 0.300%        |
| 2         | 5.649       | 396           | 402         | 410          | rBV      | 324050         | 539129        | 10.68%          | 2.684%        |
| 3         | 7.253       | 667           | 675         | 685          | rVB      | 211662         | 405948        | 8.04%           | 2.021%        |
| 4         | 7.641       | 734           | 741         | 749          | rBV      | 574568         | 1014151       | 20.10%          | 5.050%        |
| 5         | 8.116       | 814           | 822         | 832          | rBV      | 189790         | 334567        | 6.63%           | 1.666%        |
| 6         | 8.440       | 865           | 877         | 889          | rVB      | 777935         | 1430193       | 28.34%          | 7.121%        |
| 7         | 9.292       | 1013          | 1022        | 1035         | rBV      | 659317         | 1207669       | 23.93%          | 6.013%        |
| 8         | 10.937      | 1295          | 1302        | 1315         | rVB      | 258270         | 484019        | 9.59%           | 2.410%        |
| 9         | 13.375      | 1709          | 1717        | 1728         | rBV      | 1921988        | 3038094       | 60.21%          | 15.127%       |
| 10        | 14.192      | 1850          | 1856        | 1863         | rBV      | 56754          | 86258         | 1.71%           | 0.430%        |
| 11        | 14.750      | 1943          | 1951        | 1962         | rVB2     | 449820         | 751436        | 14.89%          | 3.742%        |
| 12        | 16.230      | 2196          | 2203        | 2214         | rBV      | 987171         | 1555133       | 30.82%          | 7.743%        |
| 13        | 17.494      | 2409          | 2418        | 2426         | rBV2     | 663256         | 1033642       | 20.48%          | 5.147%        |
| 14        | 18.357      | 2559          | 2565        | 2570         | rBV2     | 62210          | 103621        | 2.05%           | 0.516%        |
| 15        | 19.627      | 2776          | 2781        | 2790         | rBV3     | 41129          | 75261         | 1.49%           | 0.375%        |
| 16        | 20.097      | 2855          | 2861        | 2870         | rBV      | 3642466        | 5046175       | 100.00%         | 25.126%       |
| 17        | 21.395      | 3077          | 3082        | 3087         | rBV3     | 54701          | 84954         | 1.68%           | 0.423%        |
| 18        | 21.783      | 3140          | 3148        | 3158         | rVB      | 634708         | 1148215       | 22.75%          | 5.717%        |
| 19        | 22.582      | 3279          | 3284        | 3293         | rBV      | 32375          | 59323         | 1.18%           | 0.295%        |
| 20        | 23.305      | 3401          | 3407        | 3414         | rBV2     | 48155          | 98848         | 1.96%           | 0.492%        |
| 21        | 24.145      | 3544          | 3550        | 3560         | rVB2     | 57383          | 129557        | 2.57%           | 0.645%        |
| 22        | 25.126      | 3705          | 3717        | 3733         | rBV2     | 401174         | 1261584       | 25.00%          | 6.282%        |
| 23        | 26.330      | 3914          | 3922        | 3935         | rVB4     | 40497          | 135287        | 2.68%           | 0.674%        |

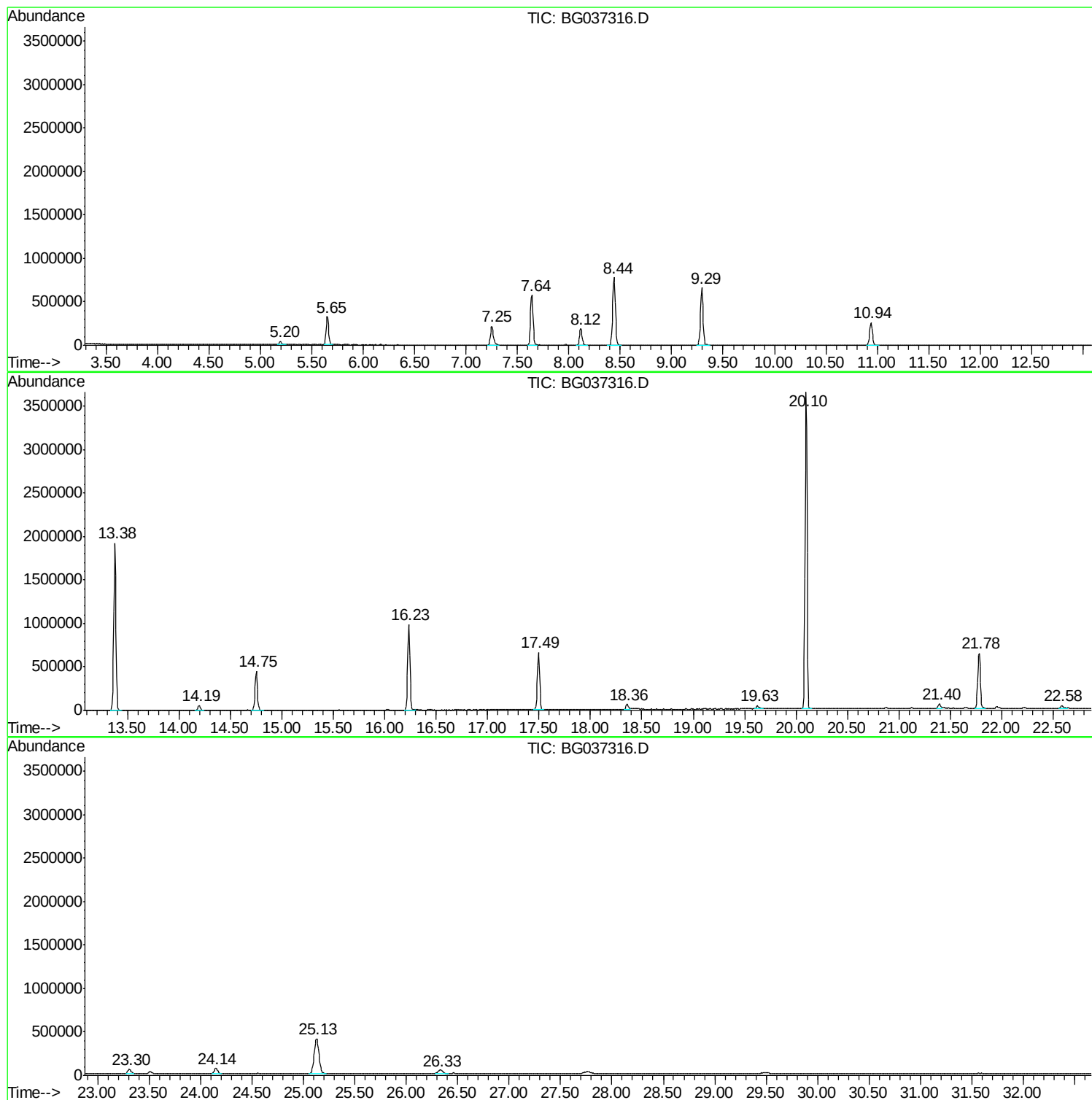
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BNA\_G  
ClientSampleId :  
100918-SIDI-F-U-M

Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101118.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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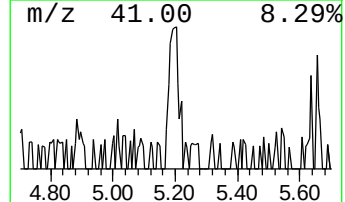
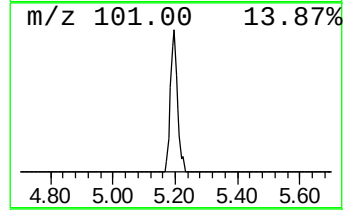
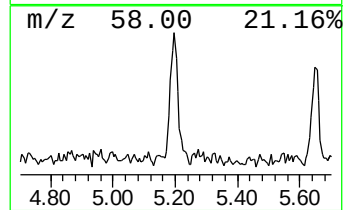
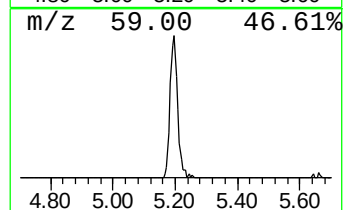
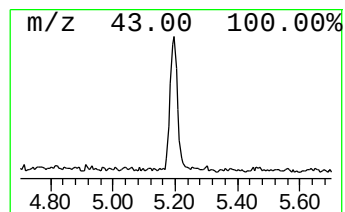
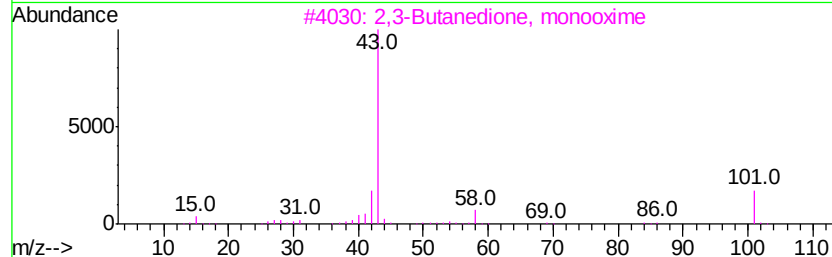
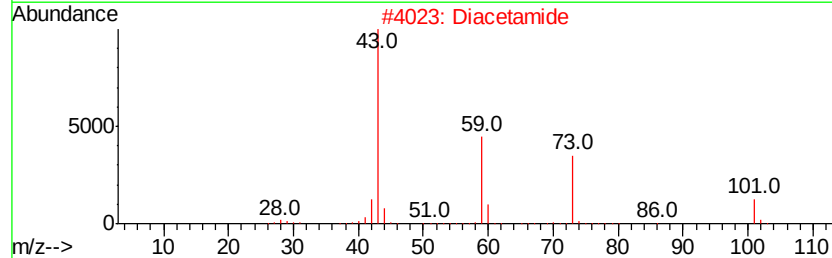
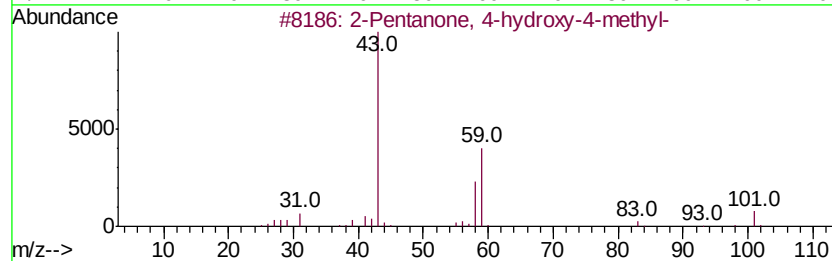
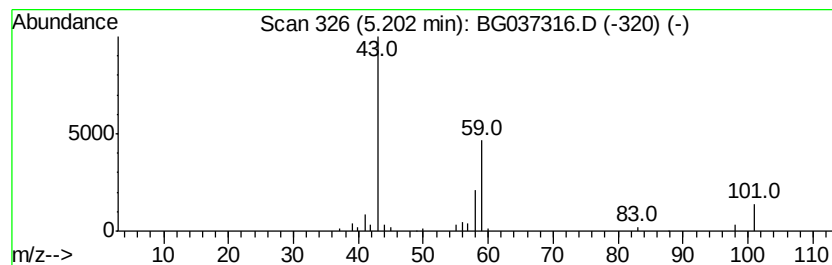
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.20 | 3.60 ng | 60219 | 1,4-Dichlorobenzene-d4 | 8.12 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 78   |
| 2    |    |   | Diacetamide                      | 101 | C4H7NO2 | 000625-77-4 | 38   |
| 3    |    |   | 2,3-Butanedione, monooxime       | 101 | C4H7NO2 | 000057-71-6 | 12   |
| 4    |    |   | 4-Penten-2-one, 4-methyl-        | 98  | C6H10O  | 003744-02-3 | 9    |
| 5    |    |   | Formamide, N,N-diethyl-          | 101 | C5H11NO | 000617-84-5 | 9    |



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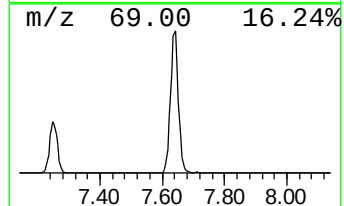
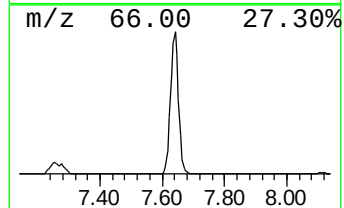
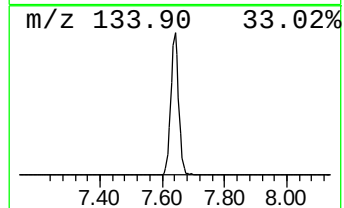
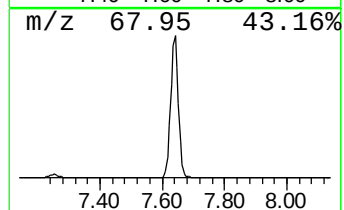
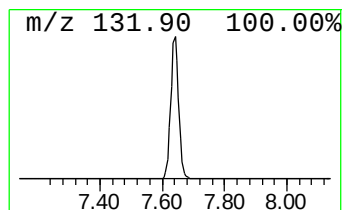
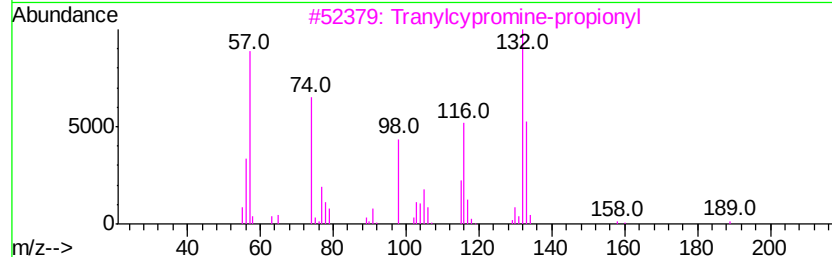
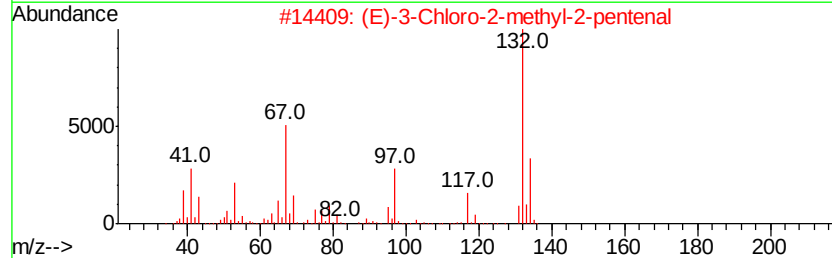
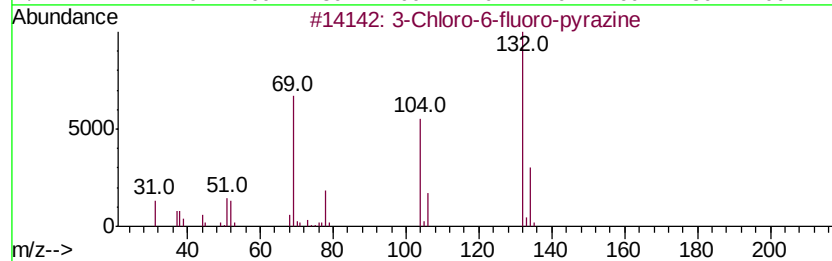
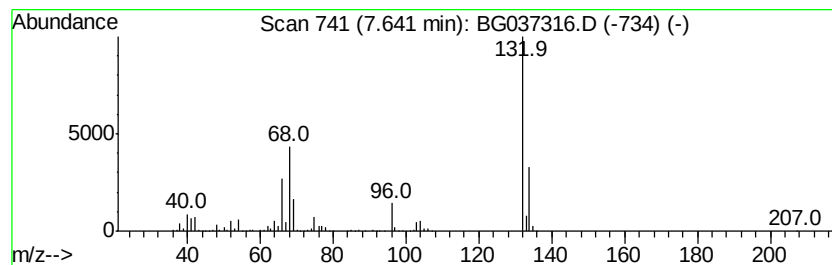
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 unknown7.64 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.64 | 60.62 ng | 1014150 | 1,4-Dichlorobenzene-d4 | 8.12 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | Tranvlcypropine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | Benzene, 1-ethenyl-3,5-dimethyl-    | 132 | C10H12    | 005379-20-4  | 9    |



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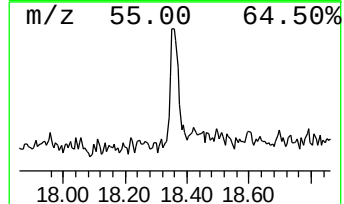
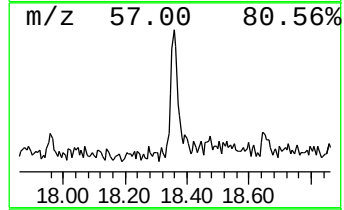
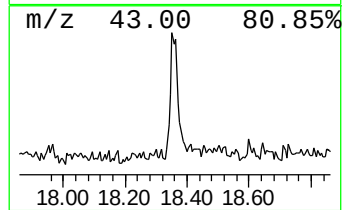
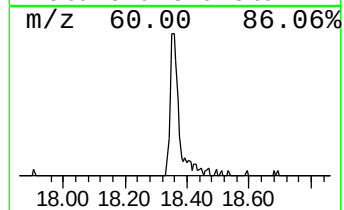
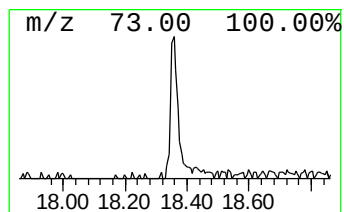
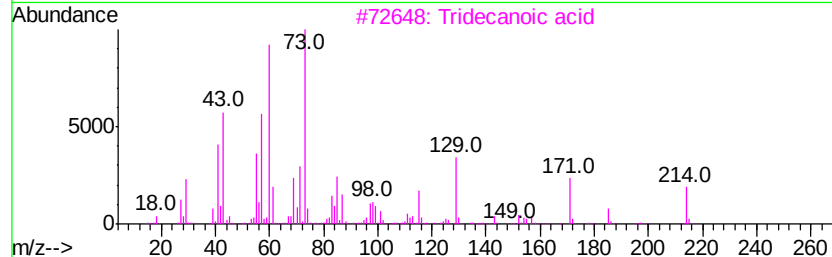
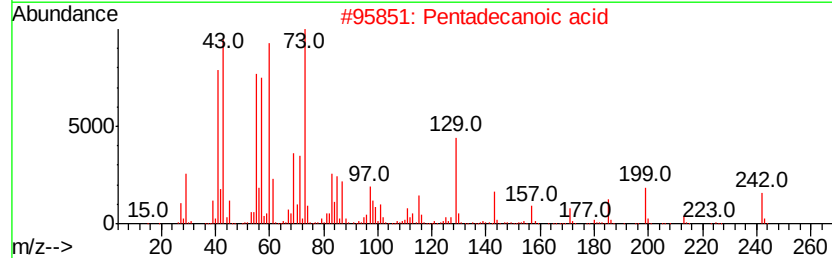
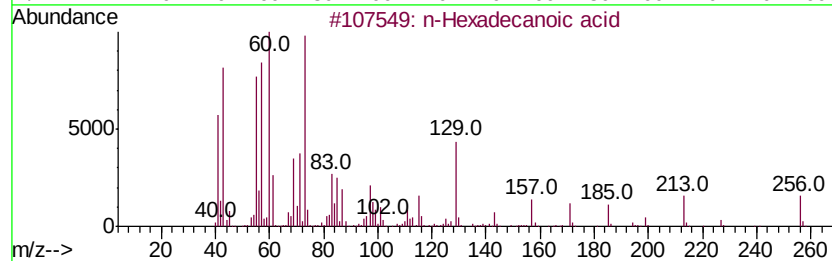
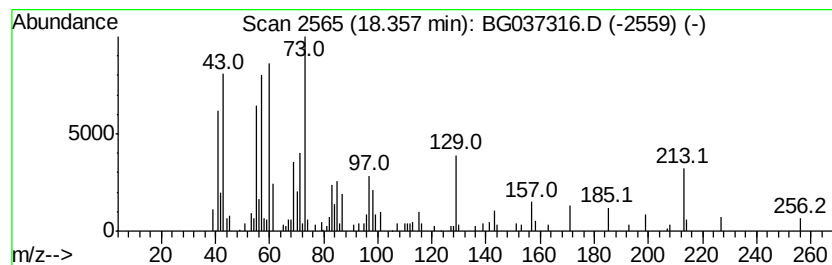
Instrument :  
BNA\_G  
ClientSampleId :  
100918-SIDI-F-U-M

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Peak Number 4 n-Hexadecanoic acid Concentration Rank 6

| R.T.      | EstConc             | Area   | Relative to ISTD |             | R.T.  |
|-----------|---------------------|--------|------------------|-------------|-------|
| 18.36     | 2.00 ng             | 103621 | Phenanthrene-d10 |             | 17.49 |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual  |
| 1         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 90    |
| 2         | Pentadecanoic acid  | 242    | C15H30O2         | 001002-84-2 | 83    |
| 3         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 83    |
| 4         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 72    |
| 5         | Nonanoic acid       | 158    | C9H18O2          | 000112-05-0 | 11    |



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Instrument :  
BNA\_G  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101118.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

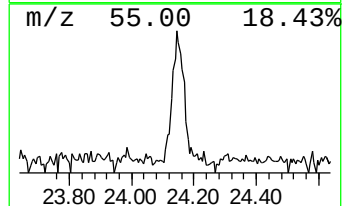
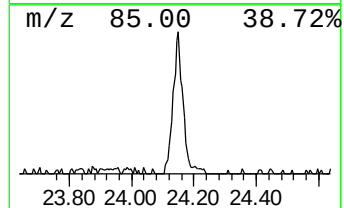
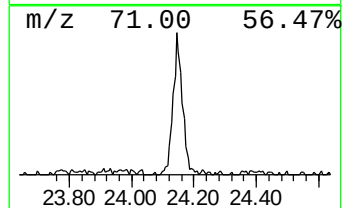
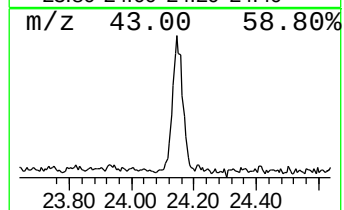
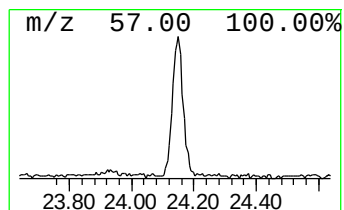
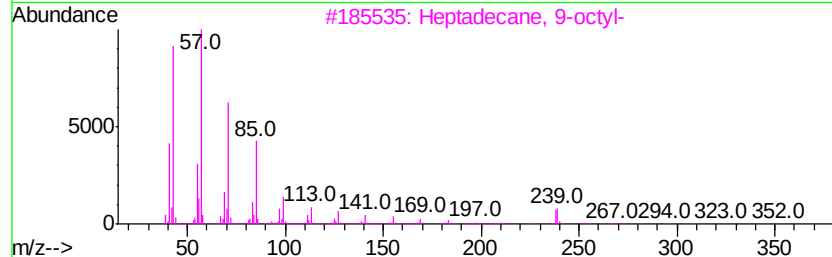
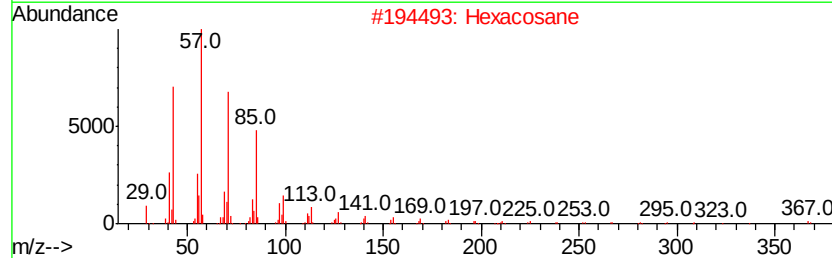
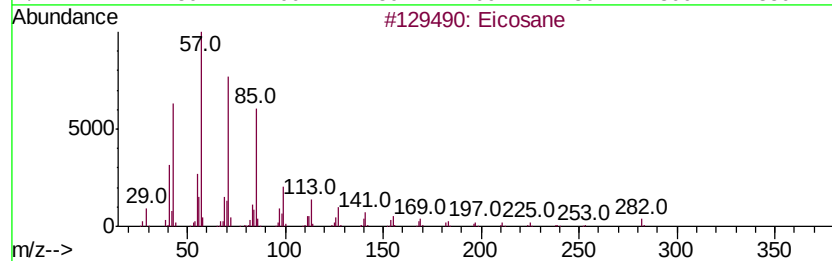
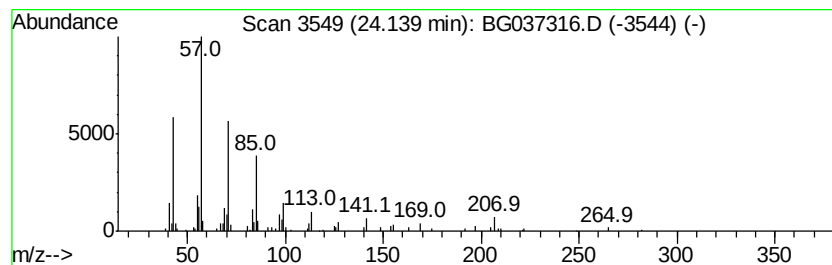
TIC Library : C:\Database\NIST11.L  
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Peak Number 5 Eicosane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 24.14 | 2.05 ng | 129557 | Perylene-d12     | 25.13 |

| Hit# of | 5                     | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-----------------------|--------------|-----|---------|-------------|------|
| 1       | Eicosane              |              | 282 | C20H42  | 000112-95-8 | 97   |
| 2       | Hexacosane            |              | 366 | C26H54  | 000630-01-3 | 91   |
| 3       | Heptadecane, 9-octyl- |              | 352 | C25H52  | 007225-64-1 | 91   |
| 4       | Tetracosane           |              | 338 | C24H50  | 000646-31-1 | 91   |
| 5       | Octacosane            |              | 394 | C28H58  | 000630-02-4 | 91   |



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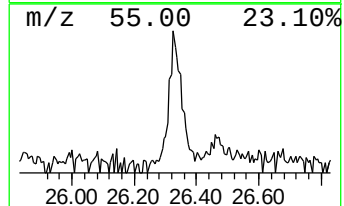
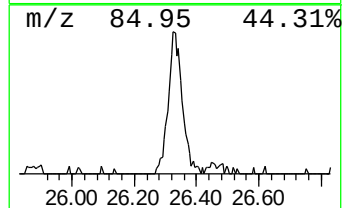
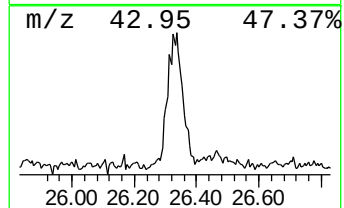
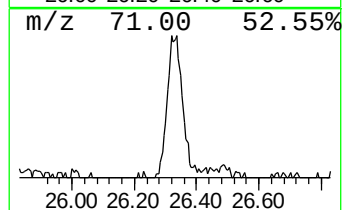
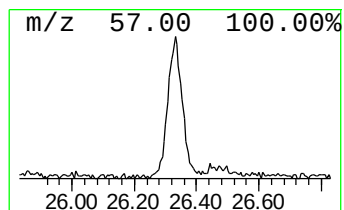
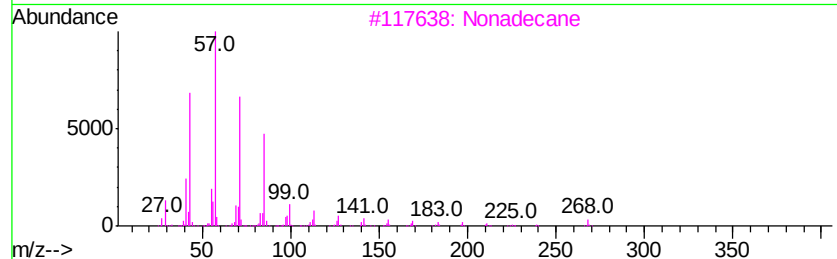
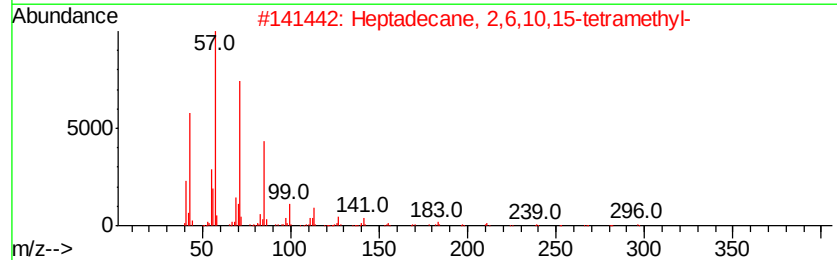
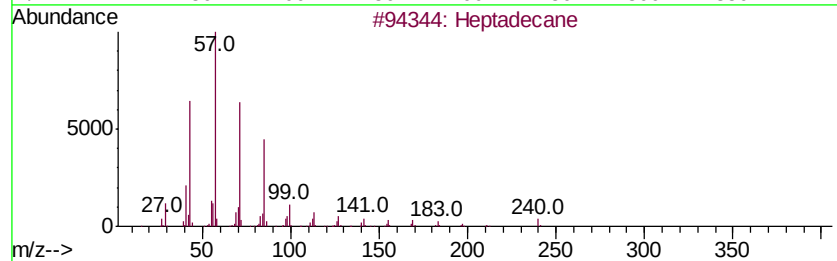
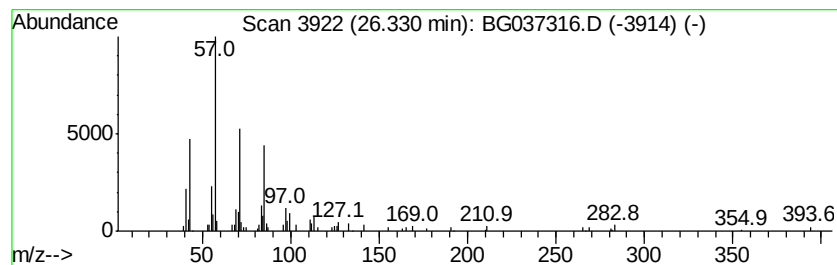
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Heptadecane Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 26.33 | 2.14 ng | 135287 | Perylene-d12     | 25.13 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------------------------------|--------------|-----|---------|-------------|------|
| 1       | Heptadecane                         |              | 240 | C17H36  | 000629-78-7 | 80   |
| 2       | Heptadecane, 2,6,10,15-tetramethyl- |              | 296 | C21H44  | 054833-48-6 | 80   |
| 3       | Nonadecane                          |              | 268 | C19H40  | 000629-92-5 | 80   |
| 4       | Tetradecane, 1-iodo-                |              | 324 | C14H29I | 019218-94-1 | 72   |
| 5       | Tetratetracontane                   |              | 619 | C44H90  | 007098-22-8 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_G\DATA\BG101218\  
Data File : BG037316.D  
Acq On : 13 Oct 2018 8:03  
Operator : JU/SJ  
Sample : J5383-05  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
100918-SIDI-F-U-M

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG101118.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 |
| 2-Pentanone, 4-hy... | 5.20  | 3.6     | ng    | 60219    | 1                     | 8.12  | 334567  | 20.0 |
| unknown7.64          | 7.64  | 60.6    | ng    | 1014150  | 1                     | 8.12  | 334567  | 20.0 |
| n-Hexadecanoic acid  | 18.36 | 2.0     | ng    | 103621   | 4                     | 17.49 | 1033640 | 20.0 |
| Eicosane             | 24.14 | 2.0     | ng    | 129557   | 6                     | 25.13 | 1261580 | 20.0 |
| Heptadecane          | 26.33 | 2.1     | ng    | 135287   | 6                     | 25.13 | 1261580 | 20.0 |