

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122316\  
 Data File : BF091950.D  
 Acq On : 24 Dec 2016 4:40  
 Operator : UM/SJ  
 Sample : H6205-05  
 Misc :  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-13

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:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.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       | 243           | 245         | 254          | rBV      | 541088         | 635862        | 11.98%          | 1.699%        |
| 2         | 5.367       | 285           | 287         | 300          | rBV      | 2050842        | 2114913       | 39.84%          | 5.651%        |
| 3         | 6.419       | 376           | 379         | 385          | rBV      | 1312781        | 1361457       | 25.65%          | 3.638%        |
| 4         | 6.521       | 385           | 388         | 390          | rBV      | 4226422        | 3986257       | 75.10%          | 10.651%       |
| 5         | 6.739       | 405           | 407         | 409          | rBV      | 1455964        | 1296532       | 24.43%          | 3.464%        |
| 6         | 6.899       | 418           | 421         | 423          | rVB      | 3251234        | 3604686       | 67.91%          | 9.632%        |
| 7         | 7.310       | 454           | 457         | 459          | rBV      | 3115116        | 3265169       | 61.51%          | 8.725%        |
| 8         | 8.030       | 517           | 520         | 522          | rBV      | 1170192        | 1637881       | 30.86%          | 4.376%        |
| 9         | 9.105       | 611           | 614         | 616          | rBV      | 5727614        | 5308054       | 100.00%         | 14.183%       |
| 10        | 9.505       | 646           | 649         | 651          | rBV      | 135694         | 194784        | 3.67%           | 0.520%        |
| 11        | 9.779       | 670           | 673         | 675          | rBV      | 1536945        | 1734497       | 32.68%          | 4.635%        |
| 12        | 10.568      | 739           | 742         | 744          | rBV      | 3084537        | 3035890       | 57.19%          | 8.112%        |
| 13        | 10.682      | 750           | 752         | 757          | rVB      | 81085          | 104444        | 1.97%           | 0.279%        |
| 14        | 11.253      | 800           | 802         | 805          | rBV      | 1696173        | 1484745       | 27.97%          | 3.967%        |
| 15        | 12.842      | 938           | 941         | 944          | rBV      | 4246119        | 4073461       | 76.74%          | 10.884%       |
| 16        | 13.882      | 1030          | 1032        | 1035         | rBV      | 853959         | 1088269       | 20.50%          | 2.908%        |
| 17        | 14.968      | 1125          | 1127        | 1130         | rVB      | 68866          | 84032         | 1.58%           | 0.225%        |
| 18        | 15.288      | 1152          | 1155        | 1157         | rBV      | 763960         | 1093222       | 20.60%          | 2.921%        |
| 19        | 15.322      | 1157          | 1158        | 1162         | rVB      | 133526         | 118286        | 2.23%           | 0.316%        |
| 20        | 15.711      | 1189          | 1192        | 1199         | rVB      | 150523         | 227855        | 4.29%           | 0.609%        |
| 21        | 16.168      | 1228          | 1232        | 1242         | rBV      | 151905         | 289566        | 5.46%           | 0.774%        |
| 22        | 16.694      | 1274          | 1278        | 1283         | rBV      | 101697         | 225845        | 4.25%           | 0.603%        |
| 23        | 17.323      | 1328          | 1333        | 1339         | rBV      | 80208          | 202999        | 3.82%           | 0.542%        |
| 24        | 18.054      | 1393          | 1397        | 1406         | rVB      | 41014          | 125249        | 2.36%           | 0.335%        |
| 25        | 18.946      | 1470          | 1475        | 1486         | rVB2     | 31656          | 131242        | 2.47%           | 0.351%        |

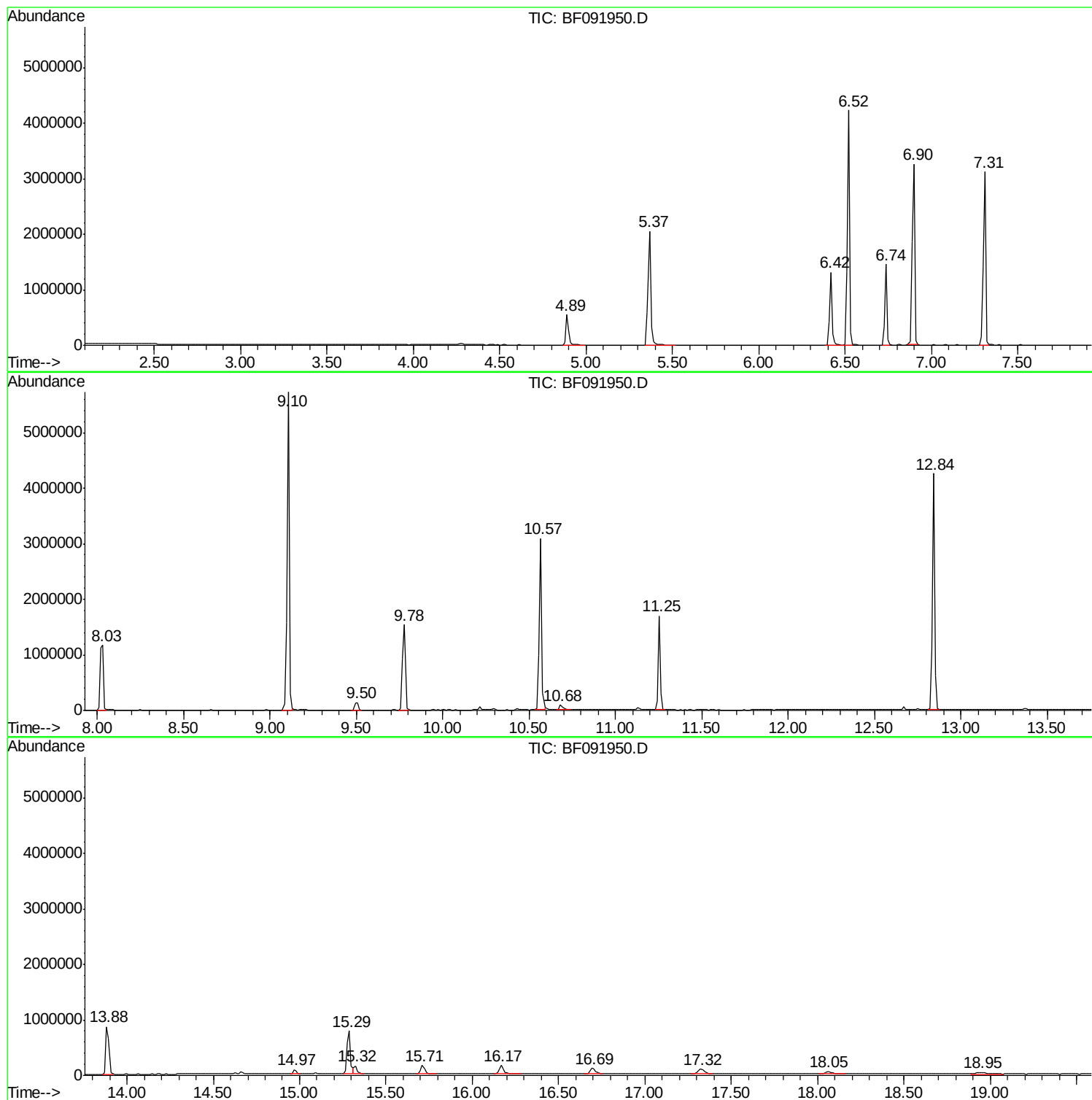
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Misc :  
ALS Vial : 33 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
W-13

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.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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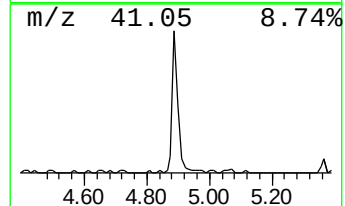
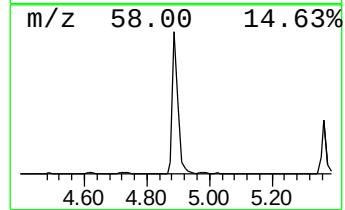
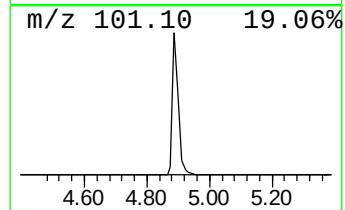
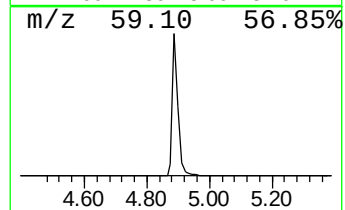
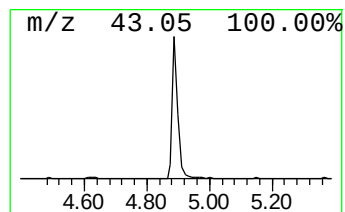
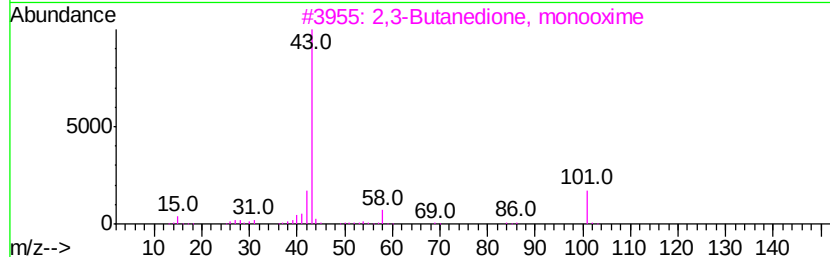
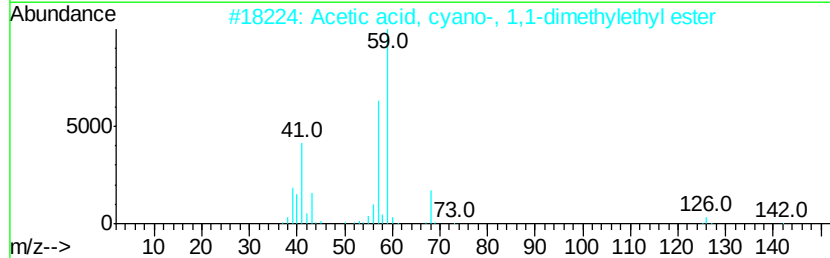
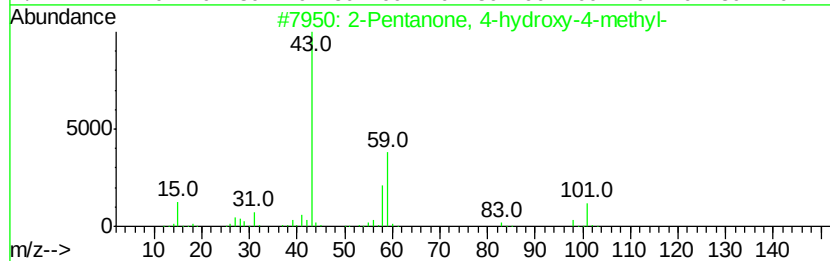
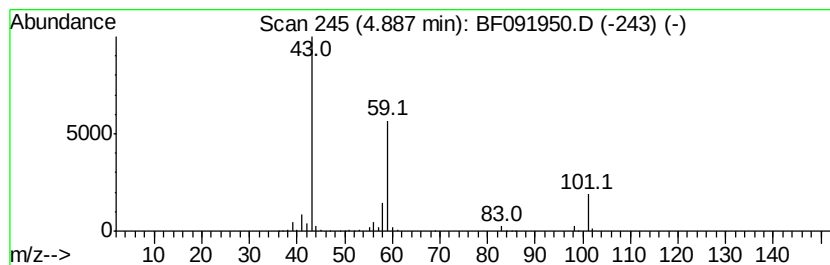
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|---------|--------|------------------------|------|
| 4.89 | 9.81 ng | 635862 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# | of                                   | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|--------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2      | 000123-42-2 | 72      |      |      |
| 2    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2     | 001116-98-9 | 17      |      |      |
| 3    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2      | 000057-71-6 | 9       |      |      |
| 4    | Morpholine, 4-methyl-                | 101 | C5H11NO      | 000109-02-4 | 9       |      |      |
| 5    | 4-Hydroxy-3-hexanone                 | 116 | C6H12O2      | 004984-85-4 | 9       |      |      |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

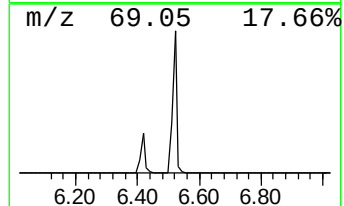
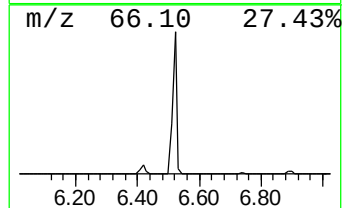
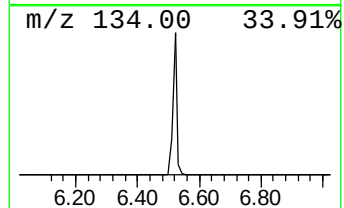
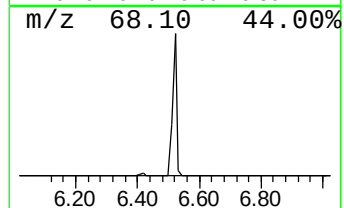
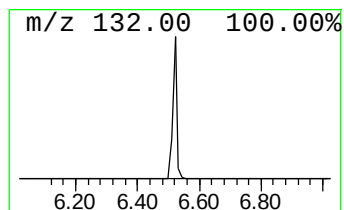
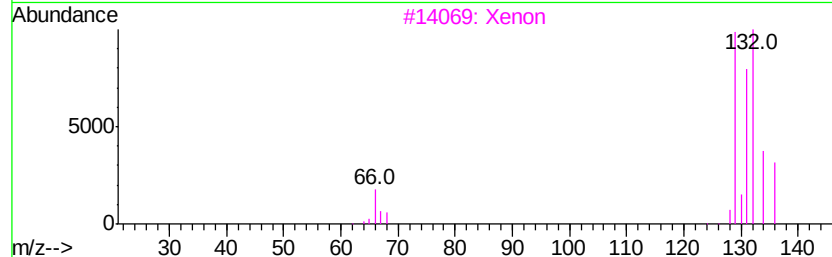
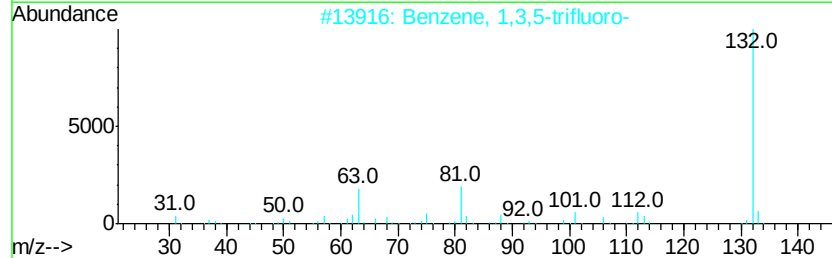
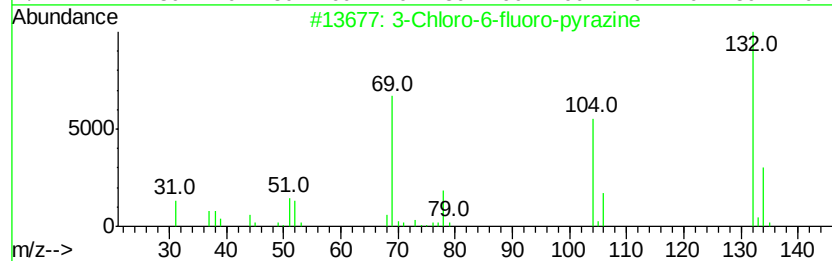
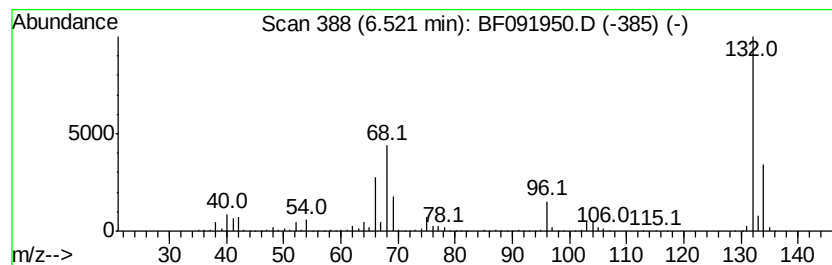
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Peak Number 2 unknown6.52 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.52 | 61.49 ng | 3986260 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | Benzene, 1,3,5-trifluoro-           | 132 | C6H3F3    | 000372-38-3  | 9    |
| 3    |    | Xenon                               | 132 | Xe        | 007440-63-3  | 9    |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 9    |



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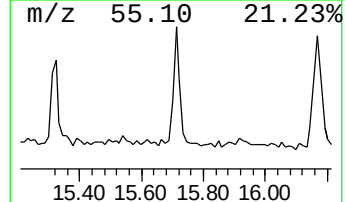
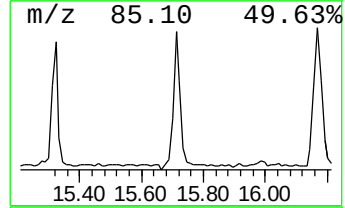
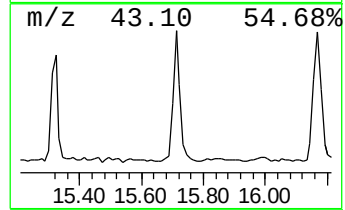
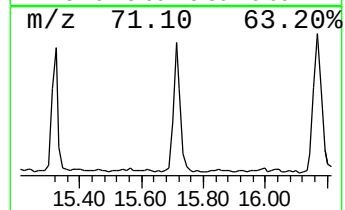
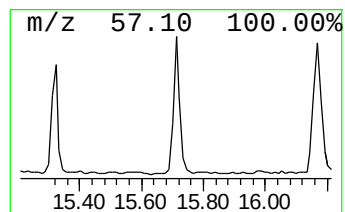
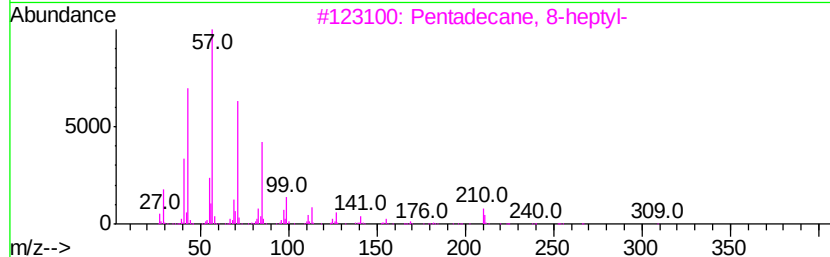
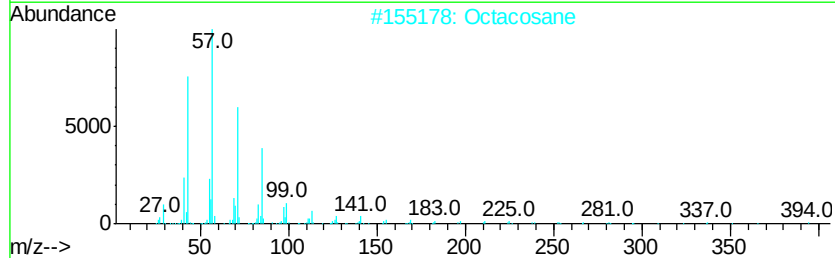
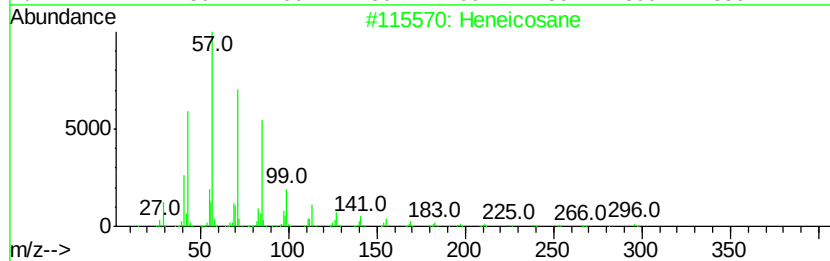
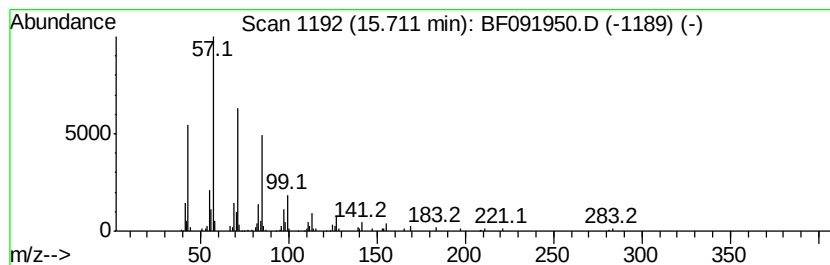
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Heneicosane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.71 | 4.17 ng | 227855 | Perylene-d12     | 15.29 |

| Hit# of | 5                      | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|------------------------|--------------|-----|---------|-------------|------|
| 1       | Heneicosane            |              | 296 | C21H44  | 000629-94-7 | 91   |
| 2       | Octacosane             |              | 394 | C28H58  | 000630-02-4 | 91   |
| 3       | Pentadecane, 8-heptyl- |              | 310 | C22H46  | 071005-15-7 | 91   |
| 4       | triacontane            |              | 422 | C30H62  | 000638-68-6 | 90   |
| 5       | Eicosane, 2-methyl-    |              | 296 | C21H44  | 001560-84-5 | 90   |



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ClientSampleId :  
W-13

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
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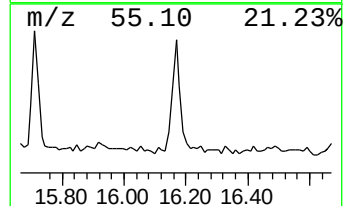
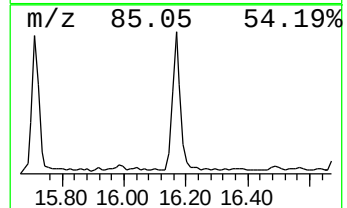
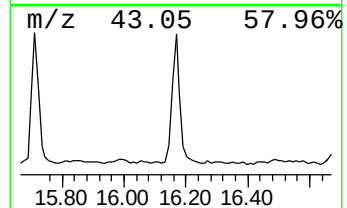
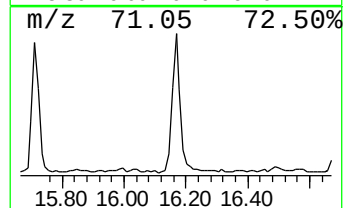
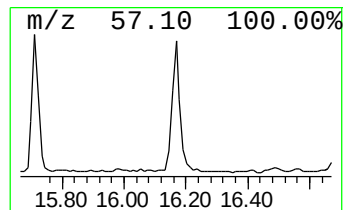
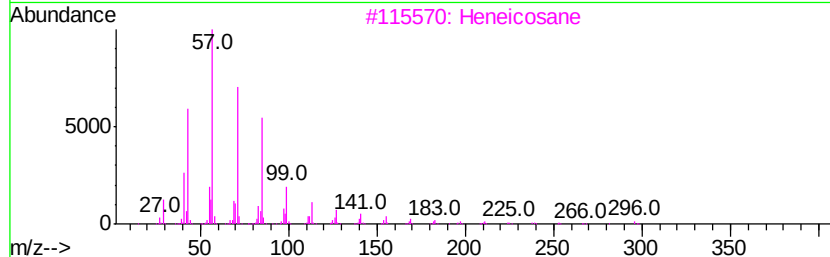
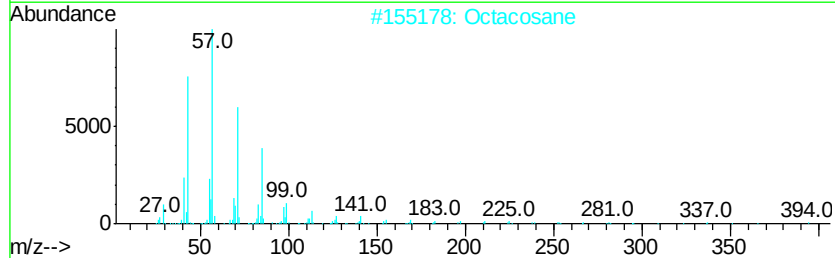
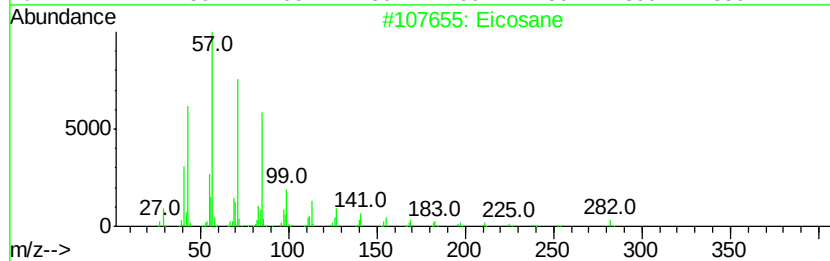
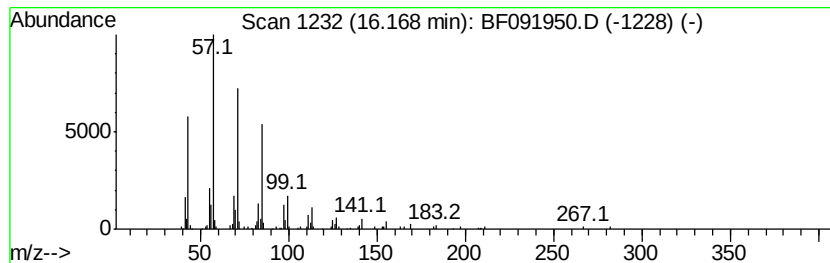
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Eicosane Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.17 | 5.30 ng | 289566 | Perylene-d12     | 15.29 |

| Hit# of | 5                      | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|------------------------|--------------|-----|---------|-------------|------|
| 1       | Eicosane               |              | 282 | C20H42  | 000112-95-8 | 96   |
| 2       | Octacosane             |              | 394 | C28H58  | 000630-02-4 | 91   |
| 3       | Heneicosane            |              | 296 | C21H44  | 000629-94-7 | 91   |
| 4       | Tetracosane            |              | 338 | C24H50  | 000646-31-1 | 91   |
| 5       | Pentadecane, 8-heptyl- |              | 310 | C22H46  | 071005-15-7 | 91   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 4.89  | 9.8     | ng    | 635862   | 1                     | 6.74  | 1296530 | 20.0 |
| unknown6.52          | 6.52  | 61.5    | ng    | 3986260  | 1                     | 6.74  | 1296530 | 20.0 |
| Heneicosane          | 15.71 | 4.2     | ng    | 227855   | 6                     | 15.29 | 1093220 | 20.0 |
| Eicosane             | 16.17 | 5.3     | ng    | 289566   | 6                     | 15.29 | 1093220 | 20.0 |