

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF101118\  
 Data File : BF109823.D  
 Acq On : 12 Oct 2018 9:00  
 Operator : JU/SJ  
 Sample : J5296-15  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 100418-DBRI-E-U-B

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\_F\METHODS\8270-BF100818.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         | 4.875       | 471           | 474         | 486          | rBV      | 48745          | 66786         | 2.84%           | 0.490%        |
| 2         | 5.310       | 545           | 548         | 574          | rBV      | 258269         | 459784        | 19.54%          | 3.375%        |
| 3         | 6.345       | 720           | 724         | 741          | rBV      | 126553         | 327020        | 13.90%          | 2.400%        |
| 4         | 6.463       | 741           | 744         | 766          | rVV      | 957654         | 1122178       | 47.70%          | 8.237%        |
| 5         | 6.692       | 780           | 783         | 806          | rVB      | 268673         | 424096        | 18.03%          | 3.113%        |
| 6         | 6.851       | 806           | 810         | 830          | rBV      | 1617913        | 1684009       | 71.58%          | 12.361%       |
| 7         | 7.257       | 876           | 879         | 914          | rBV      | 1016986        | 1390479       | 59.10%          | 10.206%       |
| 8         | 7.975       | 997           | 1001        | 1033         | rBV      | 361084         | 519678        | 22.09%          | 3.814%        |
| 9         | 9.051       | 1180          | 1184        | 1212         | rBV      | 2035933        | 2352604       | 100.00%         | 17.268%       |
| 10        | 9.445       | 1248          | 1251        | 1264         | rVB      | 79300          | 96557         | 4.10%           | 0.709%        |
| 11        | 9.722       | 1294          | 1298        | 1316         | rBV      | 441580         | 489133        | 20.79%          | 3.590%        |
| 12        | 10.504      | 1428          | 1431        | 1448         | rBV      | 467804         | 704749        | 29.96%          | 5.173%        |
| 13        | 11.198      | 1546          | 1549        | 1572         | rBV      | 295845         | 444983        | 18.91%          | 3.266%        |
| 14        | 12.780      | 1814          | 1818        | 1837         | rBV      | 2186873        | 2274266       | 96.67%          | 16.693%       |
| 15        | 13.686      | 1969          | 1972        | 1981         | rBV4     | 12307          | 27847         | 1.18%           | 0.204%        |
| 16        | 13.827      | 1992          | 1996        | 2011         | rBV      | 463428         | 563392        | 23.95%          | 4.135%        |
| 17        | 14.592      | 2122          | 2126        | 2130         | rVB      | 33733          | 33677         | 1.43%           | 0.247%        |
| 18        | 14.904      | 2175          | 2179        | 2183         | rBV      | 44758          | 47773         | 2.03%           | 0.351%        |
| 19        | 15.227      | 2230          | 2234        | 2247         | rBV      | 259526         | 442418        | 18.81%          | 3.247%        |
| 20        | 15.645      | 2300          | 2305        | 2315         | rVB      | 43972          | 65714         | 2.79%           | 0.482%        |
| 21        | 16.104      | 2378          | 2383        | 2392         | rVB      | 32215          | 53896         | 2.29%           | 0.396%        |
| 22        | 16.633      | 2467          | 2473        | 2479         | rBV4     | 16617          | 32746         | 1.39%           | 0.240%        |

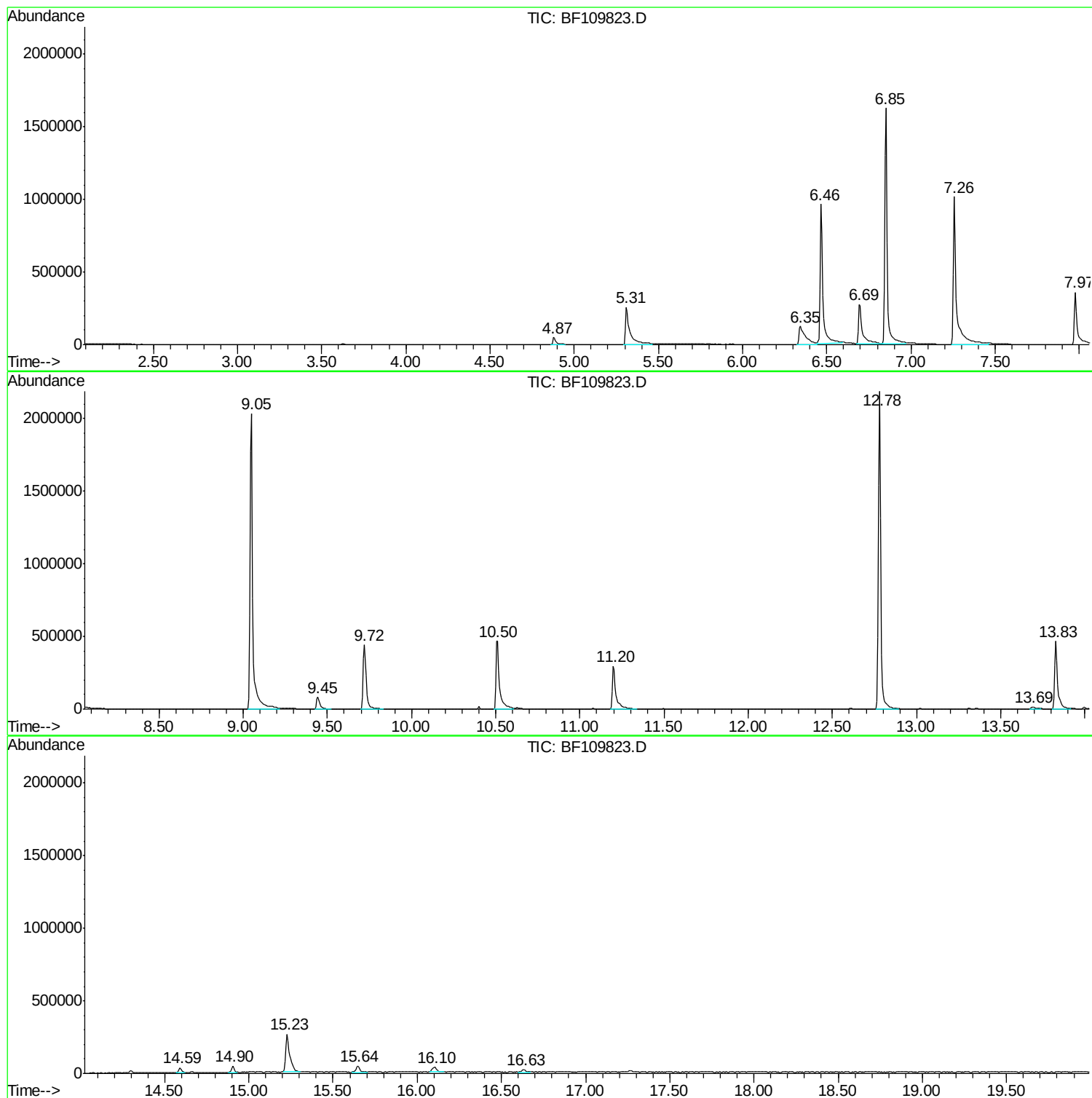
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Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101118\  
Data File : BF109823.D  
Acq On : 12 Oct 2018 9:00  
Operator : JU/SJ  
Sample : J5296-15  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
100418-DBRI-E-U-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.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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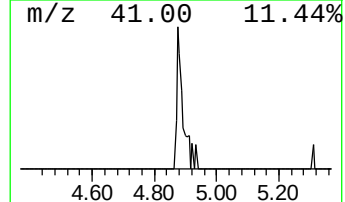
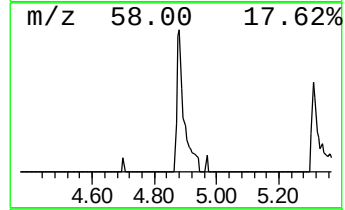
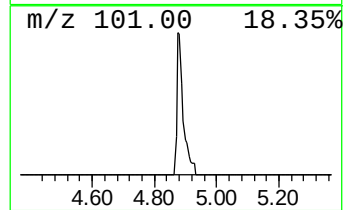
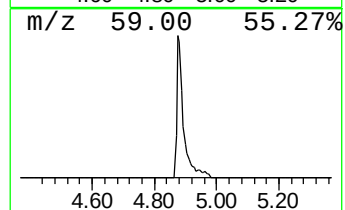
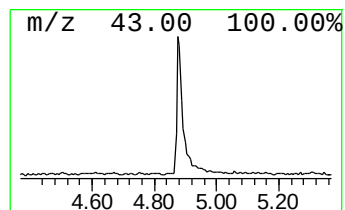
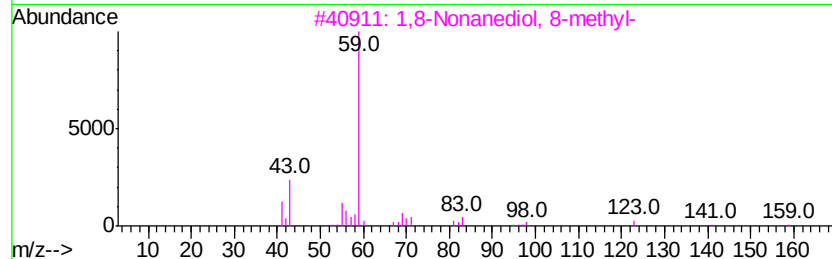
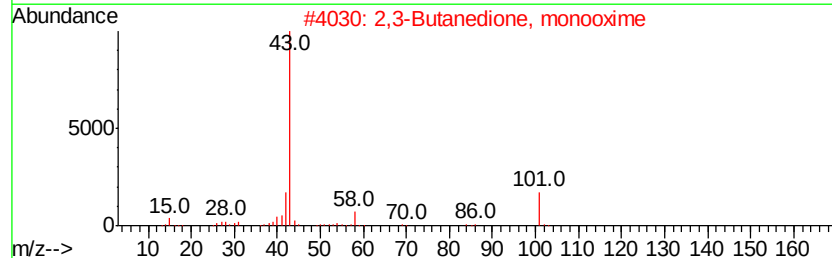
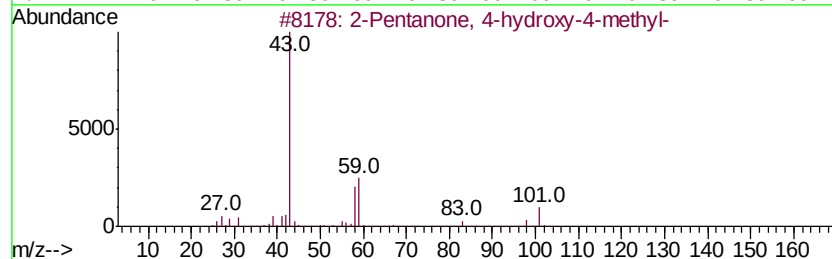
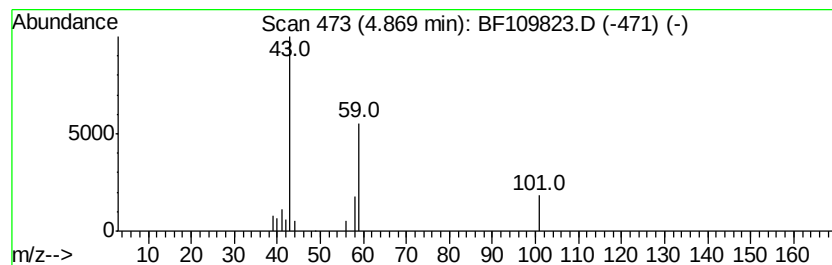
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|---------|-------|------------------------|------|
| 4.87 | 3.15 ng | 66786 | 1,4-Dichlorobenzene-d4 | 6.69 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm  | CAS#        | Qual |
|------|----|---|----------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2  | 000123-42-2 | 64   |
| 2    |    |   | 2,3-Butanedione, monooxime       | 101 | C4H7NO2  | 000057-71-6 | 35   |
| 3    |    |   | 1,8-Nonanediol, 8-methyl-        | 174 | C10H22O2 | 054725-73-4 | 25   |
| 4    |    |   | 5-Hexen-2-one                    | 98  | C6H10O   | 000109-49-9 | 10   |
| 5    |    |   | Propylamine                      | 59  | C3H9N    | 000107-10-8 | 9    |



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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

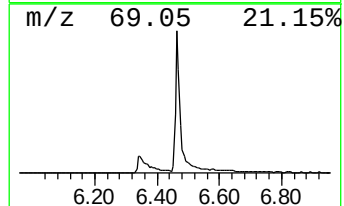
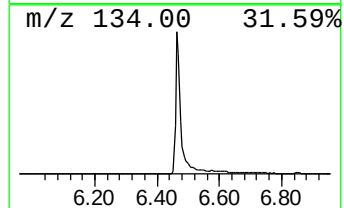
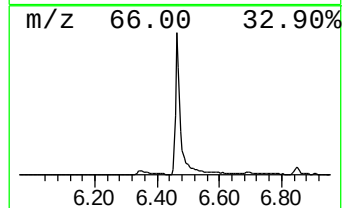
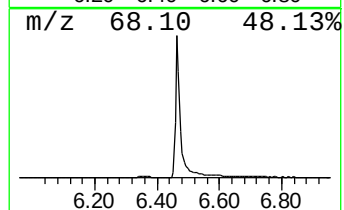
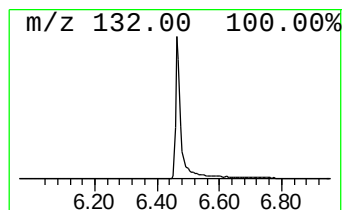
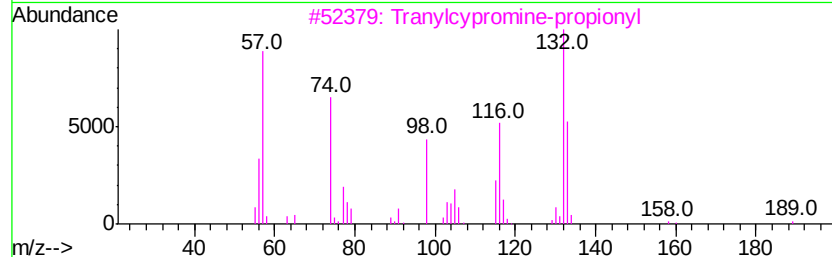
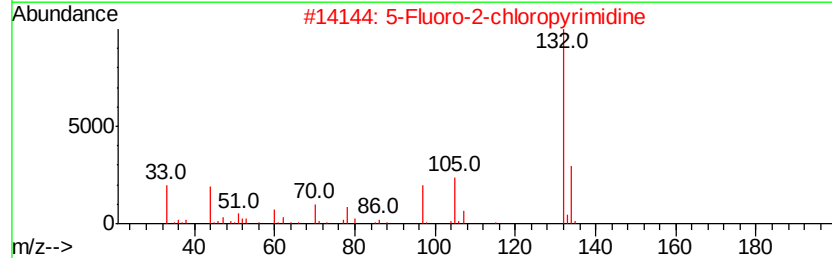
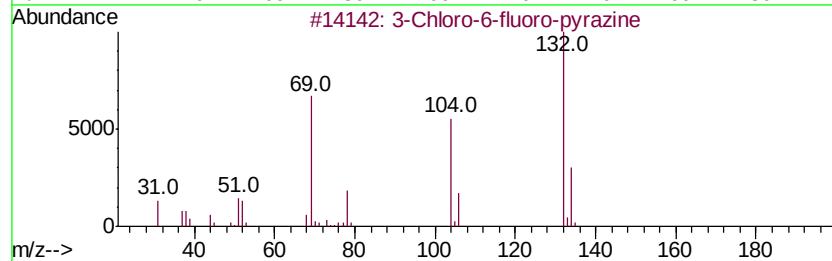
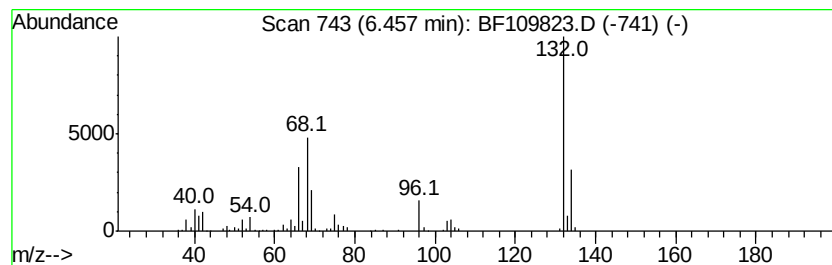
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 2 unknown6.46 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.46 | 52.92 ng | 1122180 | 1,4-Dichlorobenzene-d4 | 6.69 |

| 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    |    | Tranvlcypropine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12    | 005379-20-4  | 9    |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



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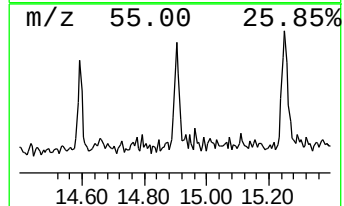
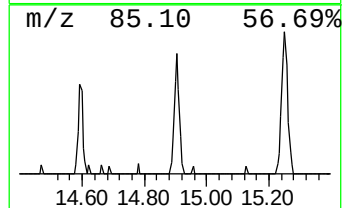
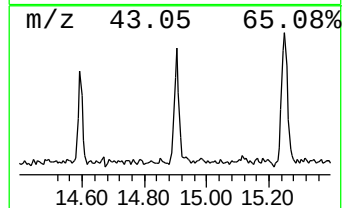
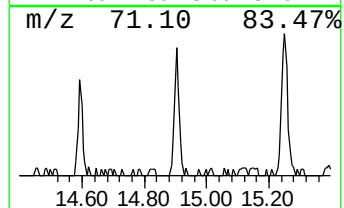
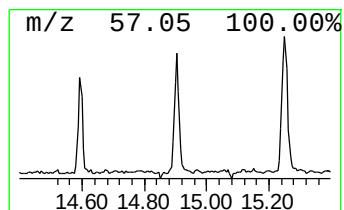
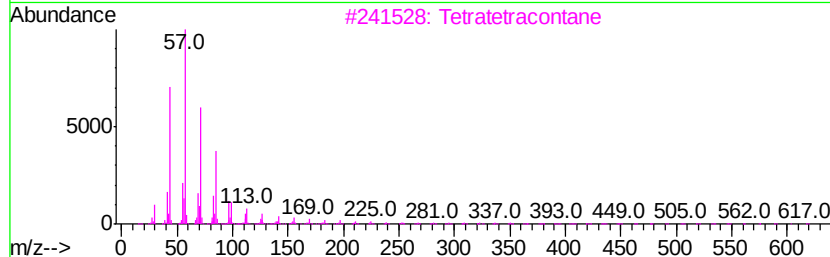
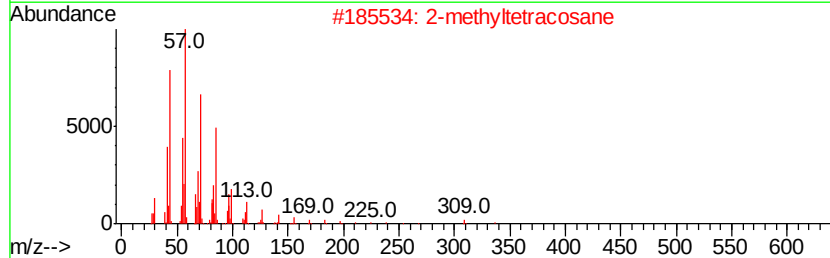
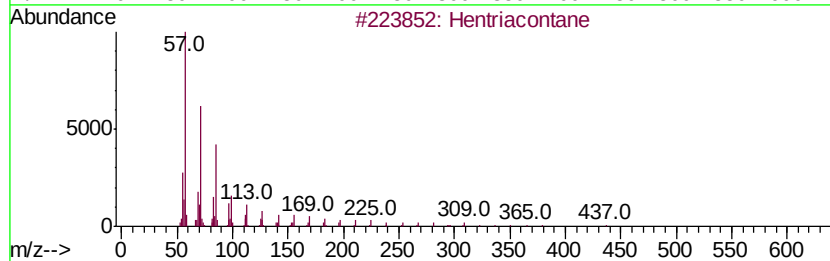
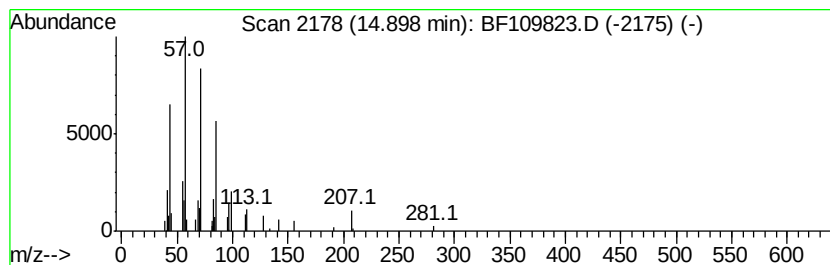
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Hentriacontane Concentration Rank 6

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.90 | 2.16 ng | 47773 | Perylene-d12     | 15.23 |

| Hit# of | 5                   | Tentative ID | MW  | MolForm | CAS#         | Qual |
|---------|---------------------|--------------|-----|---------|--------------|------|
| 1       | Hentriacontane      |              | 437 | C31H64  | 000630-04-6  | 91   |
| 2       | 2-methyltetracosane |              | 352 | C25H52  | 1000376-72-6 | 90   |
| 3       | Tetratetracontane   |              | 619 | C44H90  | 007098-22-8  | 87   |
| 4       | Hexadecane          |              | 226 | C16H34  | 000544-76-3  | 86   |
| 5       | 2-methyloctacosane  |              | 408 | C29H60  | 1000376-72-8 | 86   |



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ALS Vial : 38 Sample Multiplier: 1

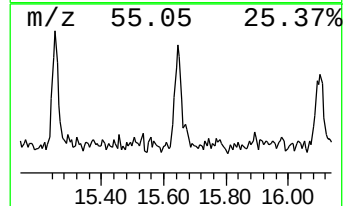
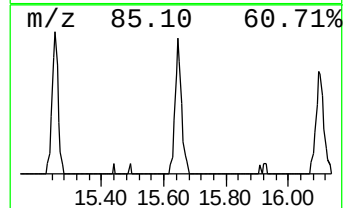
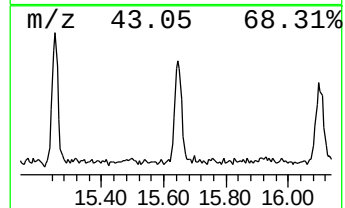
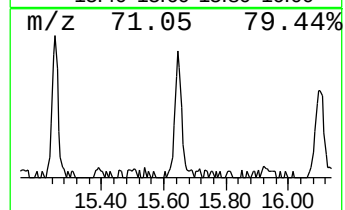
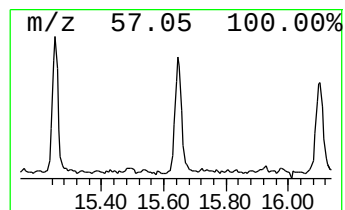
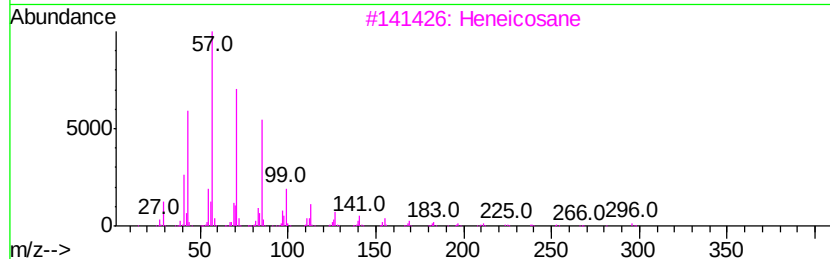
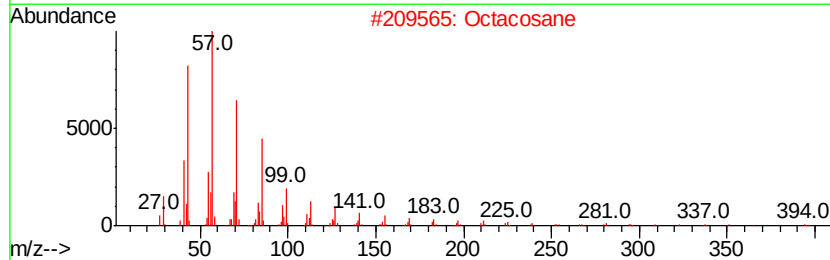
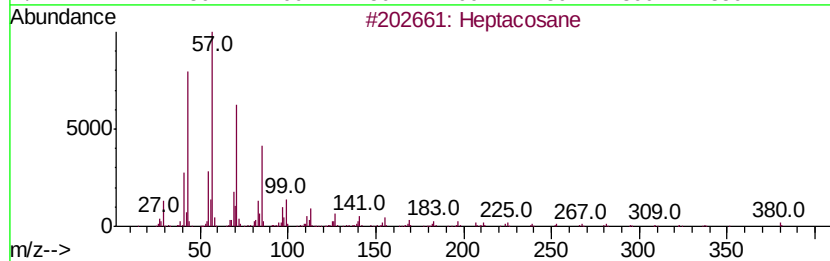
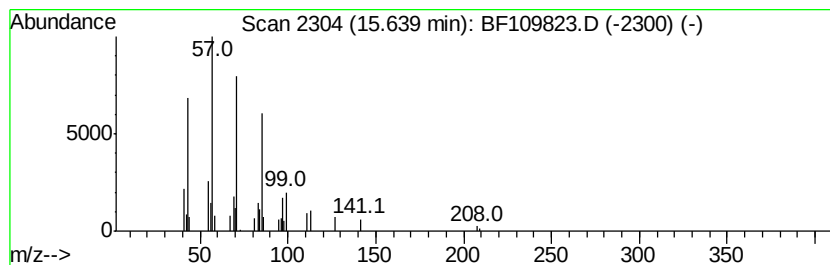
Instrument :  
BNA\_F  
ClientSampleId :  
100418-DBRI-E-U-B

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Peak Number 5 Heptacosane Concentration Rank 4

| R.T.    | EstConc              | Area         | Relative to ISTD | R.T.      |
|---------|----------------------|--------------|------------------|-----------|
| 15.64   | 2.97 ng              | 65714        | Perylene-d12     | 15.23     |
| Hit# of | 5                    | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Heptacosane          | 380 C27H56   | 000593-49-7      | 91        |
| 2       | Octacosane           | 394 C28H58   | 000630-02-4      | 91        |
| 3       | Heneicosane          | 296 C21H44   | 000629-94-7      | 90        |
| 4       | Hexacosane           | 366 C26H54   | 000630-01-3      | 90        |
| 5       | Eicosane, 10-methyl- | 296 C21H44   | 054833-23-7      | 90        |



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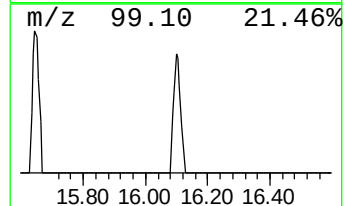
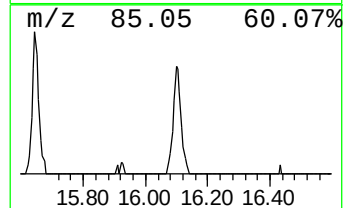
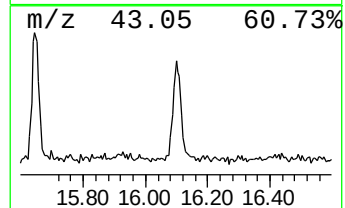
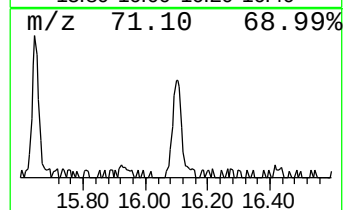
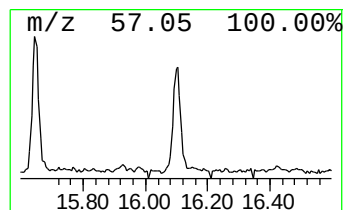
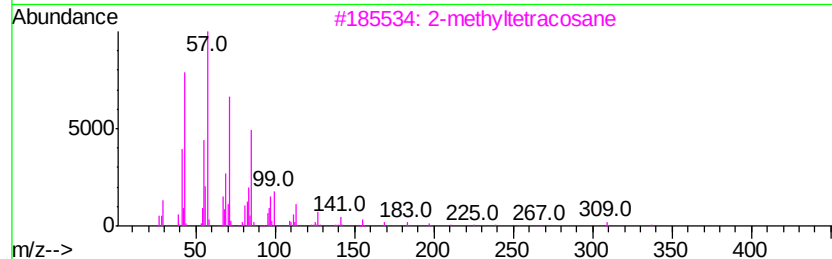
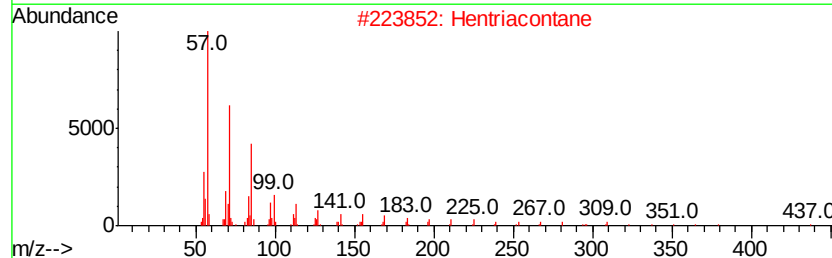
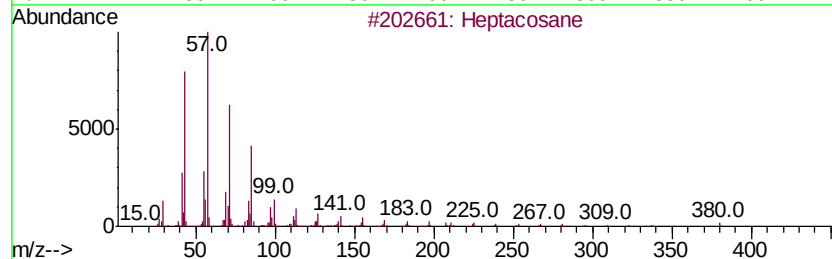
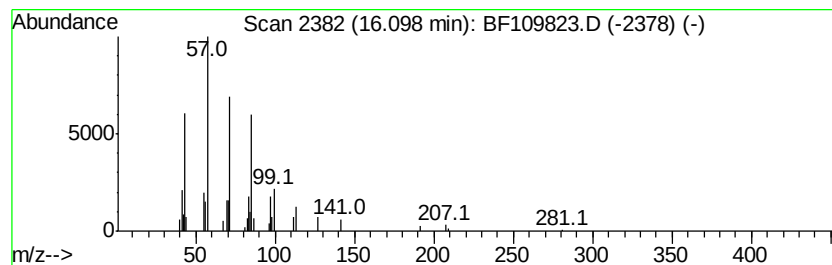
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 6 2-methyltetracosane Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 16.10 | 2.44 ng | 53896 | Perylene-d12     | 15.23 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#         | Qual |
|------|----|---------------------|-----|---------|--------------|------|
| 1    | 5  | Heptacosane         | 380 | C27H56  | 000593-49-7  | 91   |
| 2    |    | Hentriacontane      | 437 | C31H64  | 000630-04-6  | 91   |
| 3    |    | 2-methyltetracosane | 352 | C25H52  | 1000376-72-6 | 90   |
| 4    |    | Tetratetracontane   | 619 | C44H90  | 007098-22-8  | 90   |
| 5    |    | Octacosane          | 394 | C28H58  | 000630-02-4  | 90   |



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Operator : JU/SJ  
Sample : J5296-15  
Misc :  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
100418-DBRI-E-U-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF100818.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... | 4.87  | 3.1     | ng    | 66786    | 1                     | 6.69  | 424096 | 20.0 |
| unknown6.46          | 6.46  | 52.9    | ng    | 1122180  | 1                     | 6.69  | 424096 | 20.0 |
| Hentriacontane       | 14.90 | 2.2     | ng    | 47773    | 6                     | 15.23 | 442418 | 20.0 |
| Heptacosane          | 15.64 | 3.0     | ng    | 65714    | 6                     | 15.23 | 442418 | 20.0 |
| 2-methyltetracosane  | 16.10 | 2.4     | ng    | 53896    | 6                     | 15.23 | 442418 | 20.0 |