

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050516\  
 Data File : BF086715.D  
 Acq On : 5 May 2016 19:50  
 Operator : UM/SJ  
 Sample : H2829-03  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EUT01-TD-B13(0-9.5)-C

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:\HPCHEM1\BNA\_F\METHODS\8270-BF050416.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         | 252          | rBV      | 306066         | 515900        | 9.63%           | 1.085%        |
| 2         | 5.322       | 280           | 283         | 285          | rBV      | 4709951        | 5280434       | 98.61%          | 11.101%       |
| 3         | 5.722       | 316           | 318         | 329          | rVB      | 49287          | 82859         | 1.55%           | 0.174%        |
| 4         | 6.373       | 372           | 375         | 377          | rBV      | 4657588        | 5354911       | 100.00%         | 11.258%       |
| 5         | 6.499       | 383           | 386         | 388          | rBV      | 3936492        | 5331132       | 99.56%          | 11.208%       |
| 6         | 6.727       | 403           | 406         | 408          | rBV      | 1199185        | 1277815       | 23.86%          | 2.686%        |
| 7         | 6.876       | 417           | 419         | 422          | rBV      | 2884330        | 3786318       | 70.71%          | 7.960%        |
| 8         | 7.299       | 453           | 456         | 458          | rBV      | 2819353        | 3576352       | 66.79%          | 7.519%        |
| 9         | 7.402       | 462           | 465         | 472          | rVB      | 83708          | 156202        | 2.92%           | 0.328%        |
| 10        | 8.008       | 516           | 518         | 521          | rBV      | 1460895        | 1575051       | 29.41%          | 3.311%        |
| 11        | 9.093       | 610           | 613         | 615          | rBV      | 5358040        | 5033415       | 94.00%          | 10.582%       |
| 12        | 9.482       | 645           | 647         | 649          | rBV      | 515475         | 497785        | 9.30%           | 1.047%        |
| 13        | 9.711       | 664           | 667         | 669          | rBV      | 78841          | 96332         | 1.80%           | 0.203%        |
| 14        | 9.768       | 669           | 672         | 674          | rBV      | 1251859        | 1716281       | 32.05%          | 3.608%        |
| 15        | 10.202      | 709           | 710         | 712          | rVB      | 172283         | 143637        | 2.68%           | 0.302%        |
| 16        | 10.419      | 726           | 729         | 733          | rBV      | 55646          | 107702        | 2.01%           | 0.226%        |
| 17        | 10.545      | 738           | 740         | 743          | rBV2     | 2207861        | 3249569       | 60.68%          | 6.832%        |
| 18        | 10.671      | 750           | 751         | 756          | rBV      | 154799         | 235109        | 4.39%           | 0.494%        |
| 19        | 10.865      | 766           | 768         | 772          | rBV      | 30475          | 58984         | 1.10%           | 0.124%        |
| 20        | 11.128      | 789           | 791         | 792          | rBV      | 87537          | 130469        | 2.44%           | 0.274%        |
| 21        | 11.242      | 799           | 801         | 803          | rBV      | 1685886        | 1593544       | 29.76%          | 3.350%        |
| 22        | 11.311      | 805           | 807         | 811          | rVB3     | 47246          | 72452         | 1.35%           | 0.152%        |
| 23        | 11.482      | 819           | 822         | 826          | rBV      | 140878         | 195270        | 3.65%           | 0.411%        |
| 24        | 11.551      | 826           | 828         | 830          | rVB      | 66763          | 65961         | 1.23%           | 0.139%        |
| 25        | 11.779      | 846           | 848         | 853          | rBV2     | 319227         | 480077        | 8.97%           | 1.009%        |
| 26        | 12.442      | 904           | 906         | 908          | rBV      | 89138          | 120409        | 2.25%           | 0.253%        |
| 27        | 12.568      | 914           | 917         | 922          | rBV4     | 59891          | 90942         | 1.70%           | 0.191%        |
| 28        | 12.671      | 923           | 926         | 928          | rBV      | 99781          | 124711        | 2.33%           | 0.262%        |
| 29        | 12.831      | 937           | 940         | 942          | rBV      | 3860345        | 3949906       | 73.76%          | 8.304%        |
| 30        | 13.734      | 1016          | 1019        | 1024         | rBV      | 258159         | 402769        | 7.52%           | 0.847%        |
| 31        | 13.871      | 1028          | 1031        | 1039         | rVV      | 1054873        | 1218519       | 22.76%          | 2.562%        |
| 32        | 14.877      | 1117          | 1119        | 1122         | rBV      | 36357          | 81628         | 1.52%           | 0.172%        |
| 33        | 15.254      | 1150          | 1152        | 1155         | rBV      | 658143         | 963779        | 18.00%          | 2.026%        |

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EUT01-TD-B13(0-9.5)-C

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-BF050416.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

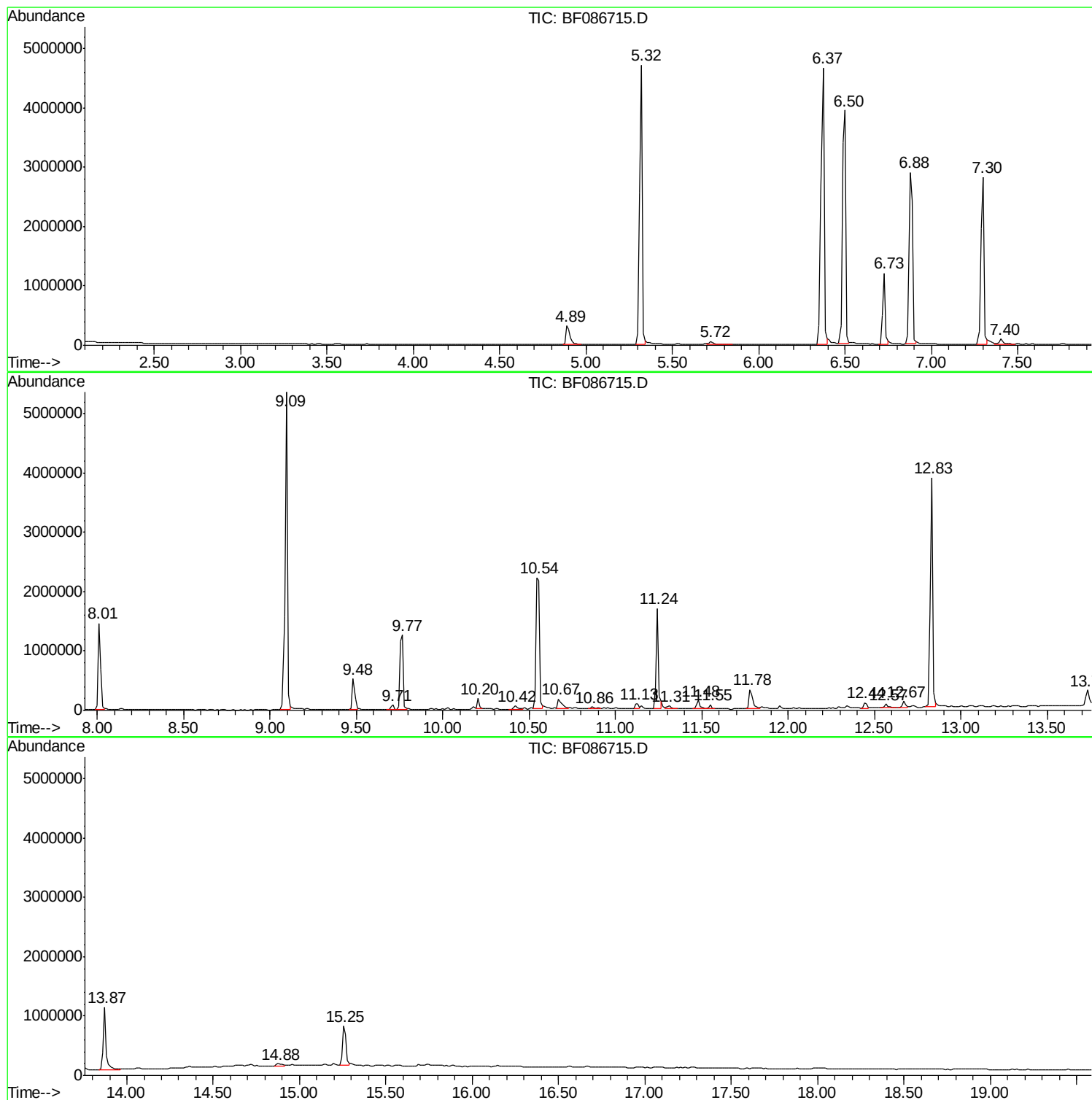
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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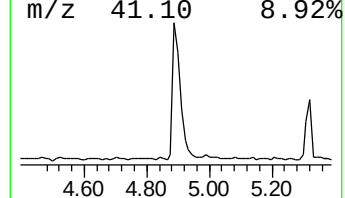
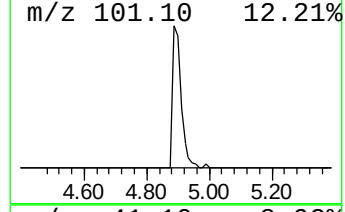
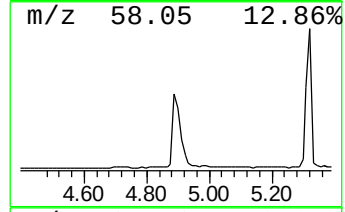
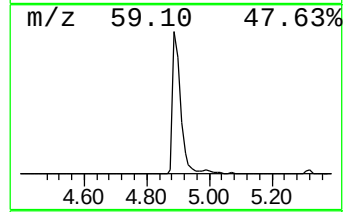
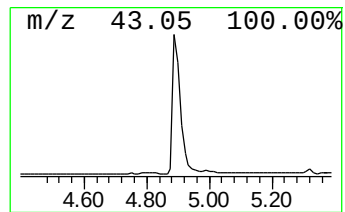
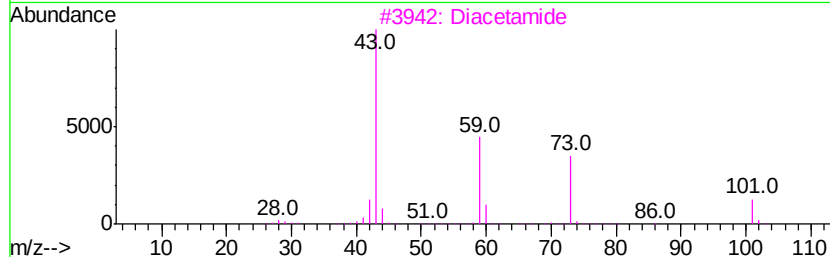
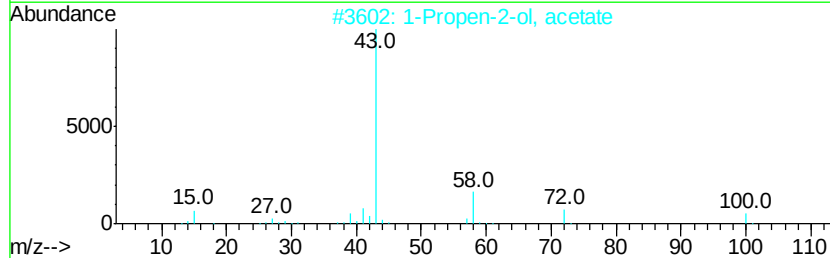
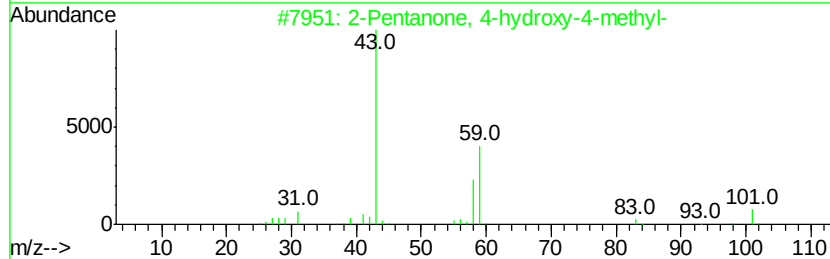
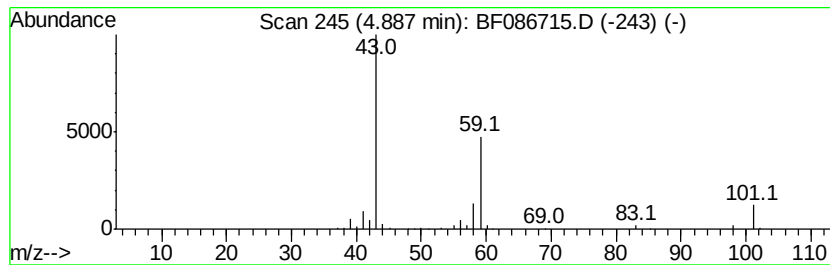
Instrument :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T.      | EstConc                          | Area   | Relative to ISTD       |         | R.T.        |      |
|-----------|----------------------------------|--------|------------------------|---------|-------------|------|
| 4.89      | 16.15 ng                         | 515900 | 1,4-Dichlorobenzene-d4 |         | 6.73        |      |
| Hit# of 5 | Tentative ID                     |        | MW                     | MolForm | CAS#        | Qual |
| 1         | 2-Pentanone, 4-hydroxy-4-methyl- |        | 116                    | C6H12O2 | 000123-42-2 | 50   |
| 2         | 1-Propen-2-ol, acetate           |        | 100                    | C5H8O2  | 000108-22-5 | 10   |
| 3         | Diacetamide                      |        | 101                    | C4H7NO2 | 000625-77-4 | 9    |
| 4         | Butane                           |        | 58                     | C4H10   | 000106-97-8 | 9    |
| 5         | 2,3-Butanedione, monooxime       |        | 101                    | C4H7NO2 | 000057-71-6 | 9    |



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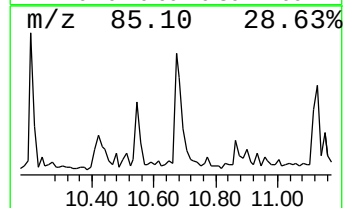
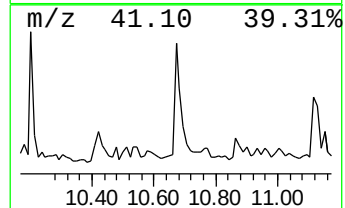
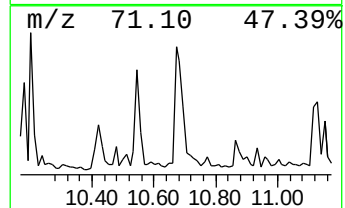
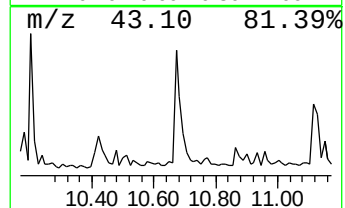
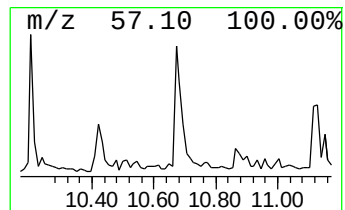
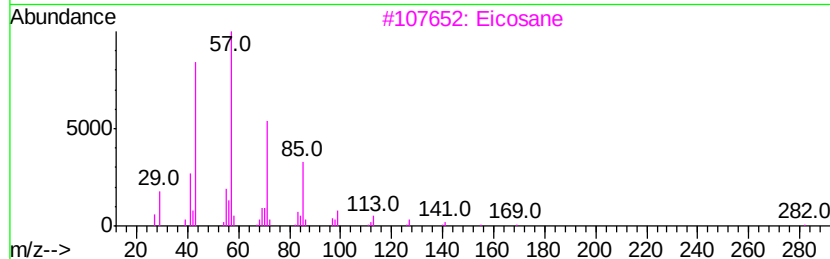
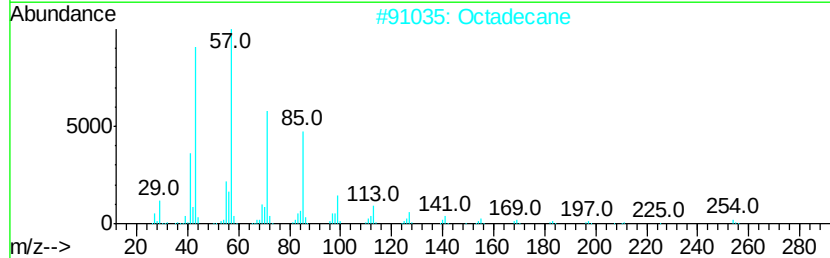
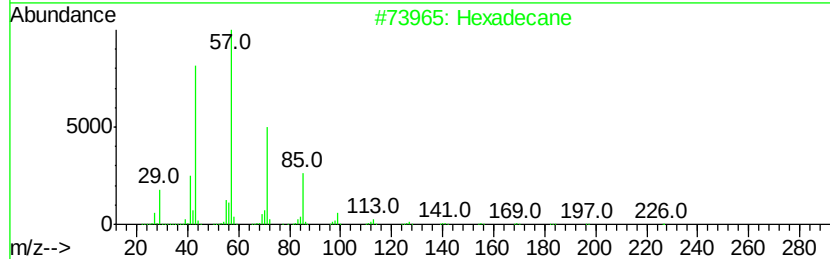
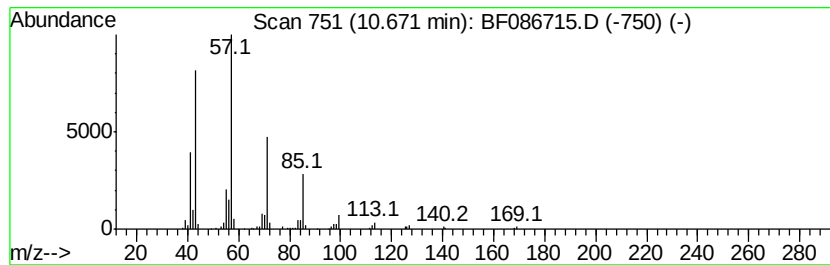
Instrument :  
BNA\_F  
ClientSampleId :  
EUT01-TD-B13(0-9.5)-C

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050416.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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Peak Number 4 Hexadecane Concentration Rank 6

| R.T.      | EstConc          | Area   | Relative to ISTD | R.T.        |      |
|-----------|------------------|--------|------------------|-------------|------|
| 10.67     | 5.90 ng          | 235109 | Phenanthrene-d10 | 11.24       |      |
| Hit# of 5 | Tentative ID     | MW     | MolForm          | CAS#        | Qual |
| 1         | Hexadecane       | 226    | C16H34           | 000544-76-3 | 91   |
| 2         | Octadecane       | 254    | C18H38           | 000593-45-3 | 80   |
| 3         | Eicosane         | 282    | C20H42           | 000112-95-8 | 74   |
| 4         | Tridecane        | 184    | C13H28           | 000629-50-5 | 72   |
| 5         | Nonane, 5-butyl- | 184    | C13H28           | 017312-63-9 | 72   |



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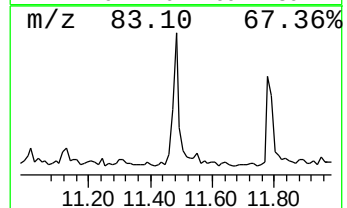
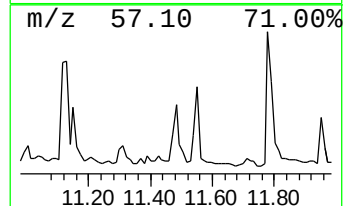
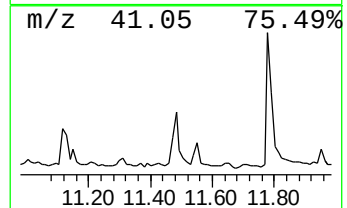
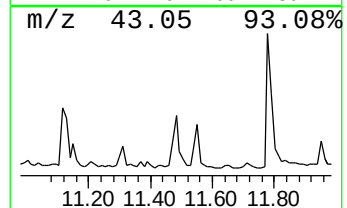
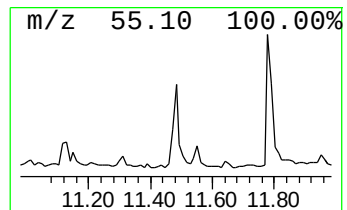
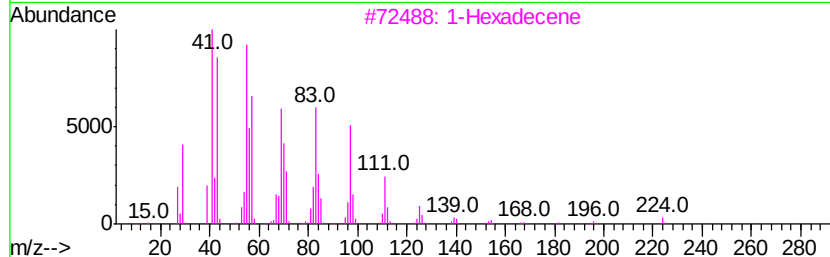
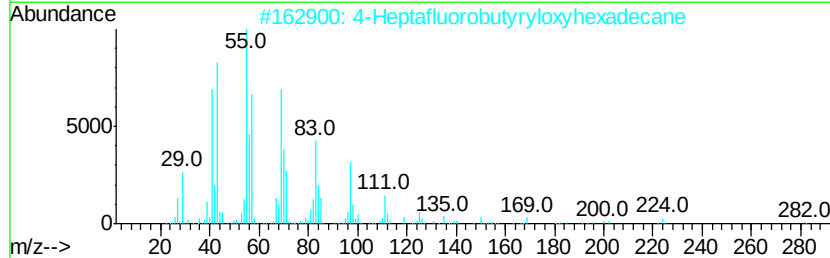
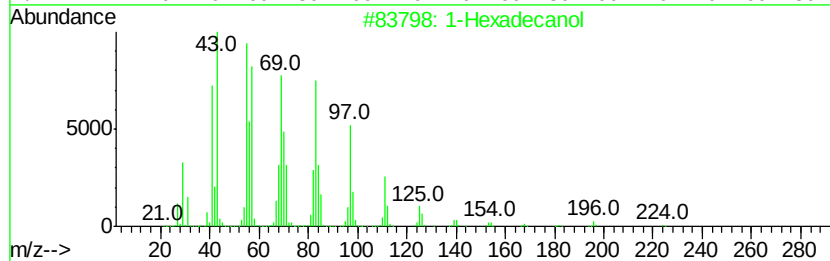
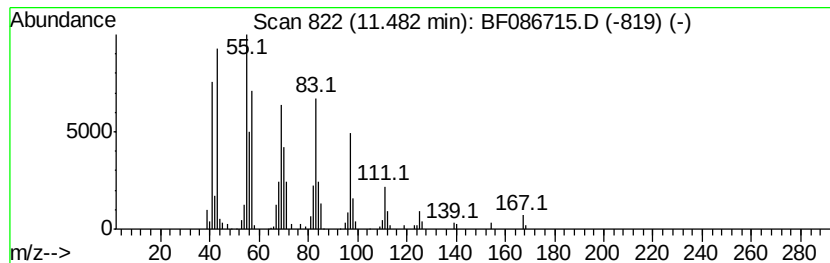
Instrument :  
BNA\_F  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 1-Hexadecanol Concentration Rank 7

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.       |              |      |
|---------|---------|-------------------------------------|------------------|------------|--------------|------|
| 11.48   | 4.90 ng | 195270                              | Phenanthrene-d10 | 11.24      |              |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm    | CAS#         | Qual |
| 1       |         | 1-Hexadecanol                       | 242              | C16H34O    | 036653-82-4  | 95   |
| 2       |         | 4-Heptafluorobutyryloxyhexadecane   | 438              | C20H33F7O2 | 1000282-97-2 | 91   |
| 3       |         | 1-Hexadecene                        | 224              | C16H32     | 000629-73-2  | 91   |
| 4       |         | 5-Octadecene, (E)-                  | 252              | C18H36     | 007206-21-5  | 91   |
| 5       |         | Pentafluoropropionic acid, octad... | 416              | C21H37F5O2 | 1000280-07-7 | 91   |



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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050416.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

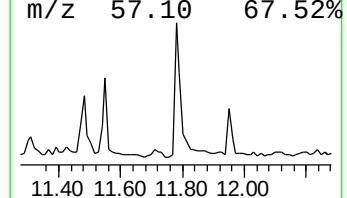
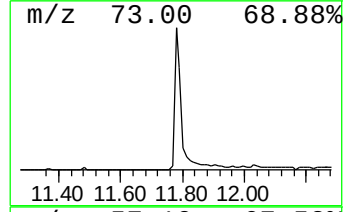
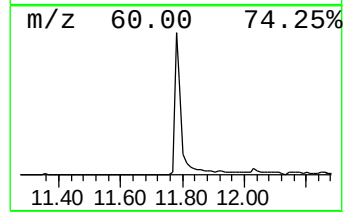
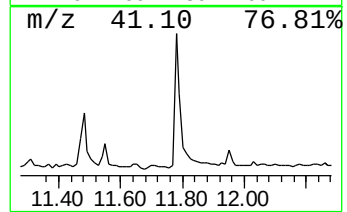
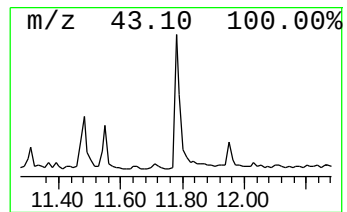
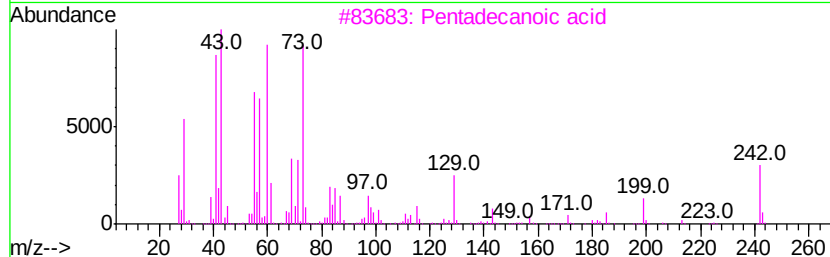
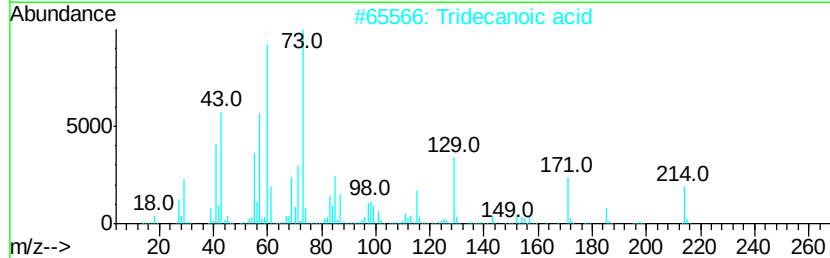
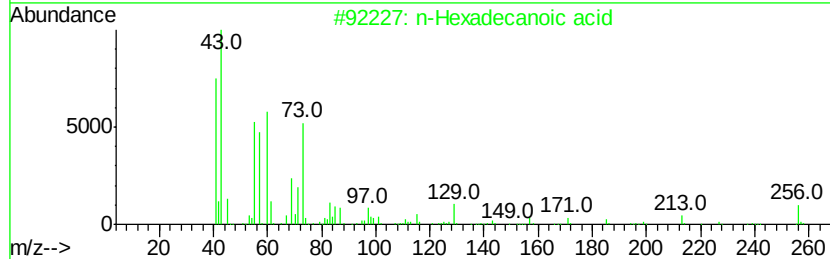
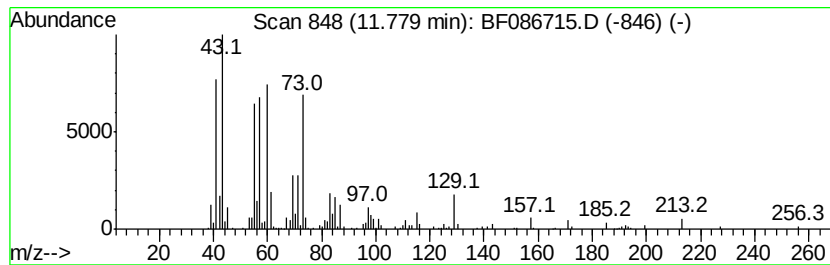
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 n-Hexadecanoic acid Concentration Rank 5

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 11.78 | 12.05 ng | 480077 | Phenanthrene-d10 | 11.24 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 97   |
| 2       |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 83   |
| 3       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 83   |
| 4       |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 83   |
| 5       |   | Undecanoic acid     | 186 | C11H22O2 | 000112-37-8 | 78   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

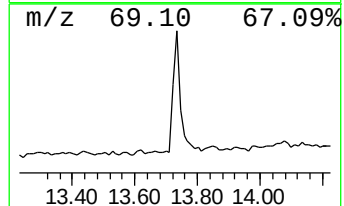
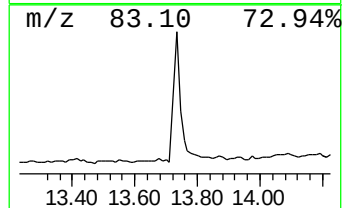
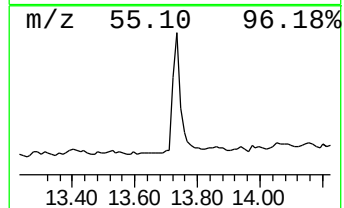
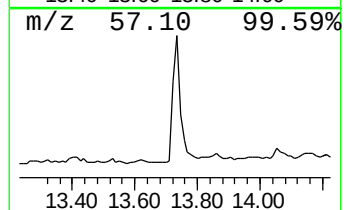
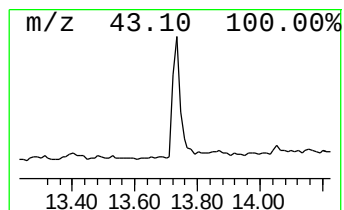
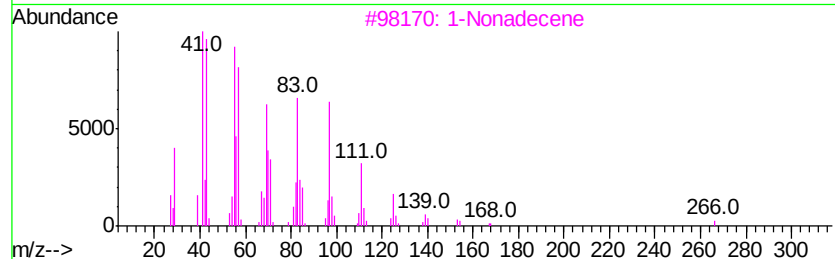
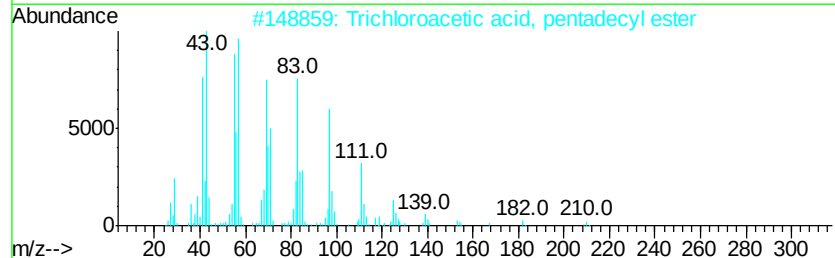
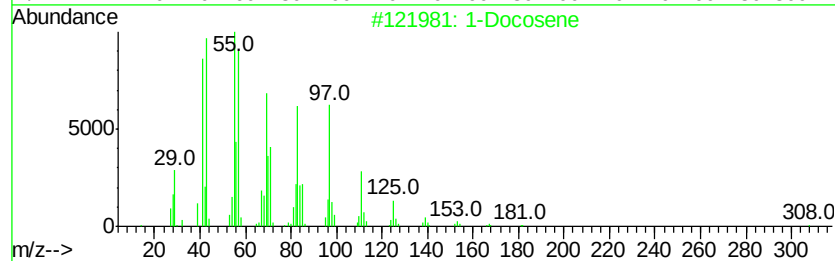
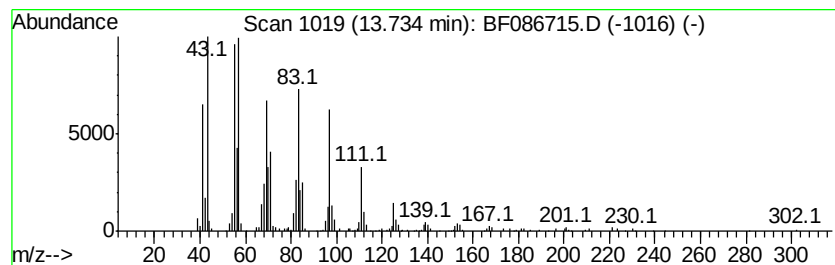
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 1-Docosene Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 13.73 | 13.22 ng | 402769 | Chrysene-d12     | 13.87 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#        | Qual |
|------|----|-------------------------------------|-----|-------------|-------------|------|
| 1    | 5  | 1-Docosene                          | 308 | C22H44      | 001599-67-3 | 95   |
| 2    |    | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 94   |
| 3    |    | 1-Nonadecene                        | 266 | C19H38      | 018435-45-5 | 91   |
| 4    |    | Cycloeicosane                       | 280 | C20H40      | 000296-56-0 | 91   |
| 5    |    | 3-Eicosene, (E)-                    | 280 | C20H40      | 074685-33-9 | 91   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050516\  
Data File : BF086715.D  
Acq On : 5 May 2016 19:50  
Operator : UM/SJ  
Sample : H2829-03  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EUT01-TD-B13(0-9.5)-C

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050416.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  | 16.1    | ng    | 515900   | 1                     | 6.73  | 1277820 | 40.0 |
| Hexadecane           | 10.67 | 5.9     | ng    | 235109   | 4                     | 11.24 | 1593540 | 40.0 |
| 1-Hexadecanol        | 11.48 | 4.9     | ng    | 195270   | 4                     | 11.24 | 1593540 | 40.0 |
| n-Hexadecanoic acid  | 11.78 | 12.1    | ng    | 480077   | 4                     | 11.24 | 1593540 | 40.0 |
| 1-Docosene           | 13.73 | 13.2    | ng    | 402769   | 5                     | 13.87 | 1218520 | 40.0 |