

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF052016\  
 Data File : BF087271.D  
 Acq On : 21 May 2016 14:27  
 Operator : UM/SJ  
 Sample : H3169-04  
 Misc :  
 ALS Vial : 42 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-08-COMP

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-BF051716.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         | 1.701       | 8             | 10          | 48           | rVB      | 2975826        | 5932795       | 100.00%         | 14.567%       |
| 2         | 4.684       | 268           | 271         | 284          | rBV      | 249530         | 591731        | 9.97%           | 1.453%        |
| 3         | 5.142       | 309           | 311         | 334          | rBV      | 3046687        | 3624852       | 61.10%          | 8.900%        |
| 4         | 6.227       | 403           | 406         | 408          | rBV      | 3492639        | 3732536       | 62.91%          | 9.164%        |
| 5         | 6.330       | 413           | 415         | 417          | rBV      | 3445869        | 3742880       | 63.09%          | 9.190%        |
| 6         | 6.559       | 433           | 435         | 441          | rVB      | 660313         | 904820        | 15.25%          | 2.222%        |
| 7         | 6.707       | 446           | 448         | 451          | rBV      | 2878117        | 2619826       | 44.16%          | 6.432%        |
| 8         | 7.130       | 483           | 485         | 499          | rBV      | 2229457        | 2336258       | 39.38%          | 5.736%        |
| 9         | 7.839       | 545           | 547         | 550          | rBV      | 1098547        | 1223916       | 20.63%          | 3.005%        |
| 10        | 8.925       | 639           | 642         | 644          | rBV      | 4261910        | 4311917       | 72.68%          | 10.587%       |
| 11        | 9.325       | 675           | 677         | 681          | rBV      | 516420         | 461442        | 7.78%           | 1.133%        |
| 12        | 9.531       | 693           | 695         | 697          | rBV      | 99553          | 102538        | 1.73%           | 0.252%        |
| 13        | 9.588       | 697           | 700         | 702          | rBV      | 1603808        | 1402429       | 23.64%          | 3.443%        |
| 14        | 10.033      | 735           | 739         | 740          | rBV      | 193113         | 182367        | 3.07%           | 0.448%        |
| 15        | 10.251      | 755           | 758         | 761          | rBV      | 55072          | 92026         | 1.55%           | 0.226%        |
| 16        | 10.376      | 766           | 769         | 772          | rBV      | 2409193        | 2373630       | 40.01%          | 5.828%        |
| 17        | 10.502      | 778           | 780         | 787          | rVB      | 200302         | 254437        | 4.29%           | 0.625%        |
| 18        | 10.948      | 817           | 819         | 820          | rBV      | 102151         | 91726         | 1.55%           | 0.225%        |
| 19        | 11.062      | 827           | 829         | 832          | rBV      | 1359264        | 1283042       | 21.63%          | 3.150%        |
| 20        | 12.651      | 965           | 968         | 970          | rBV      | 3358666        | 3715197       | 62.62%          | 9.122%        |
| 21        | 13.588      | 1046          | 1050        | 1056         | rBV4     | 29409          | 106874        | 1.80%           | 0.262%        |
| 22        | 13.691      | 1056          | 1059        | 1066         | rVB      | 923263         | 933375        | 15.73%          | 2.292%        |
| 23        | 15.040      | 1175          | 1177        | 1183         | rBV      | 519663         | 707788        | 11.93%          | 1.738%        |

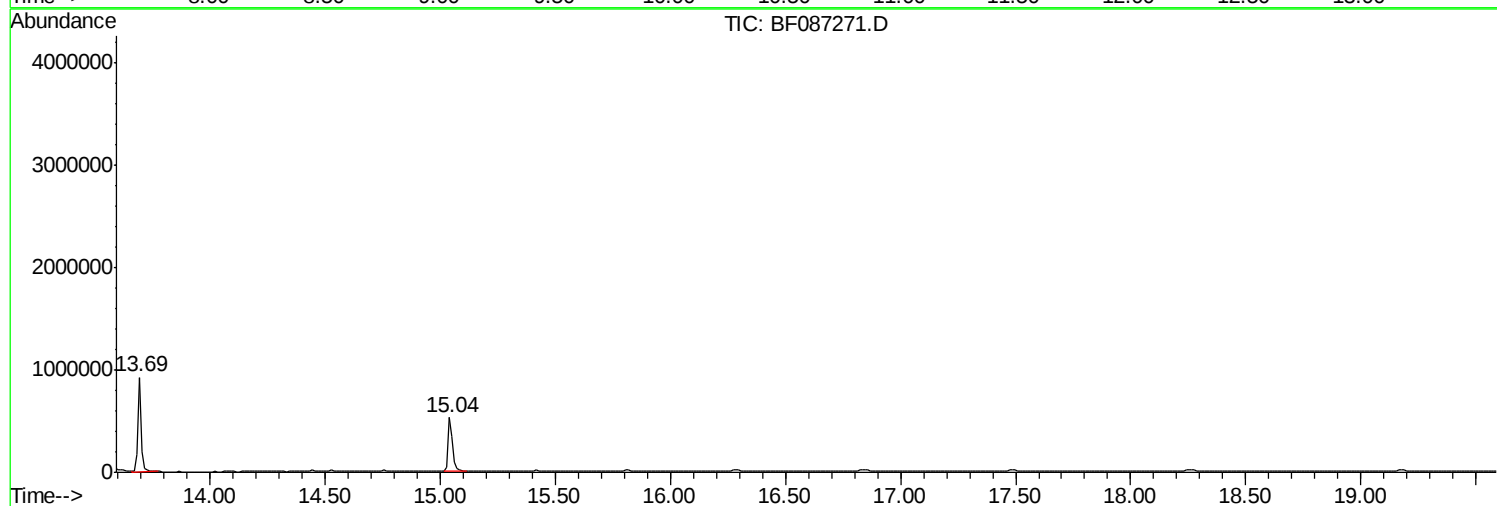
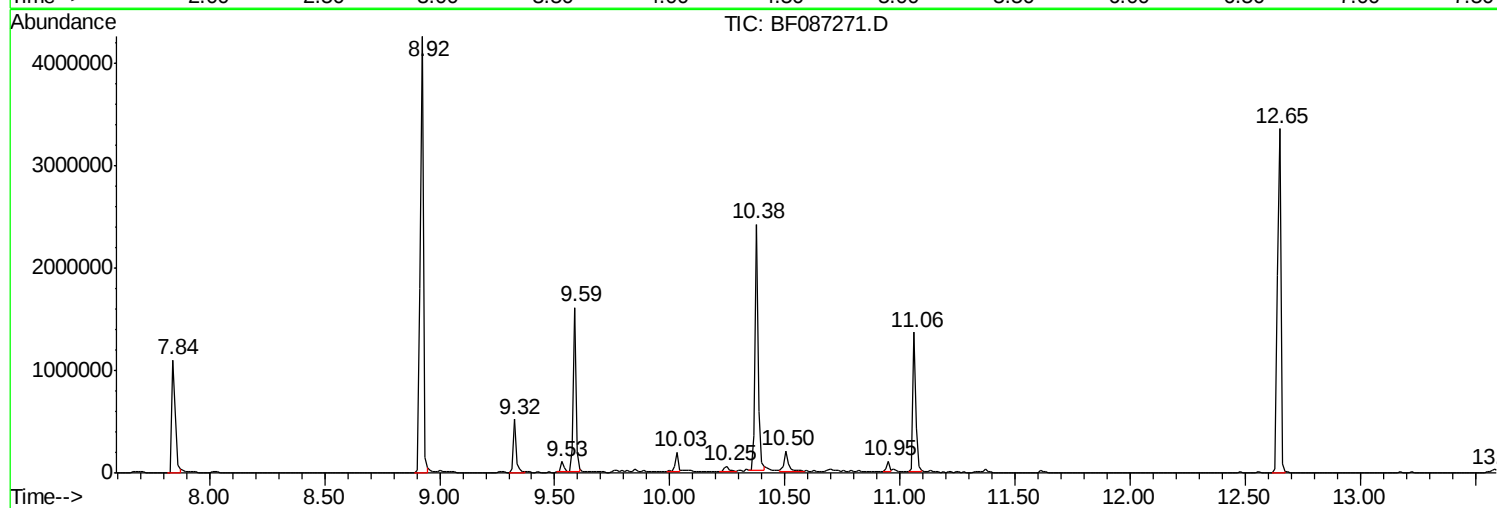
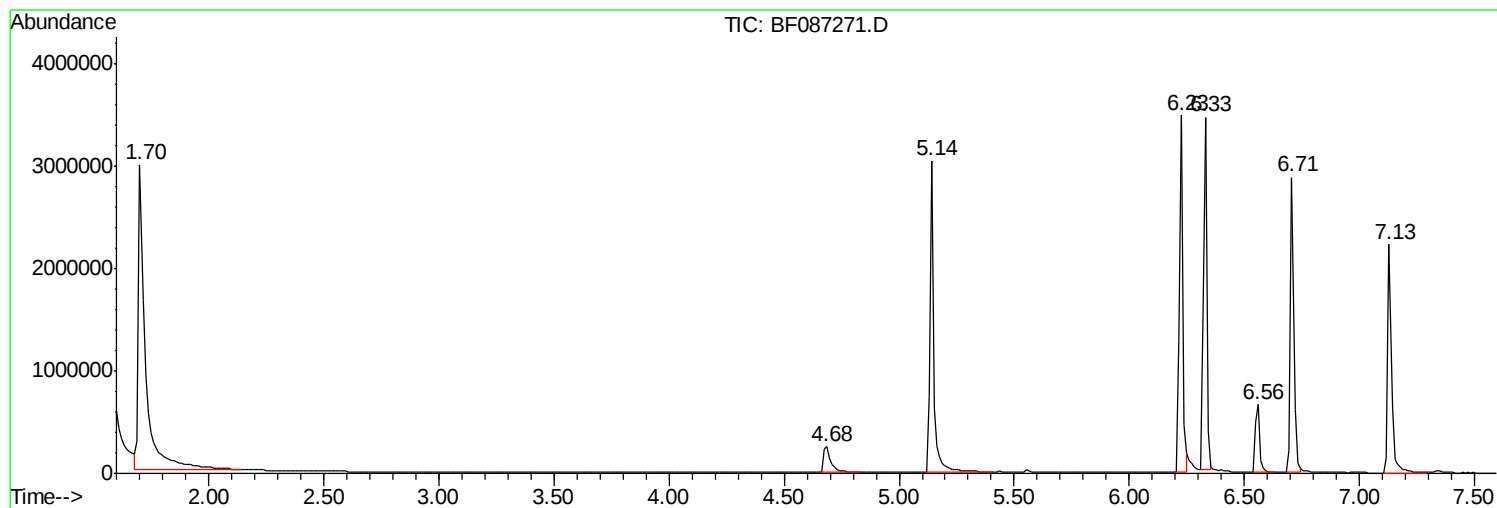
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF051716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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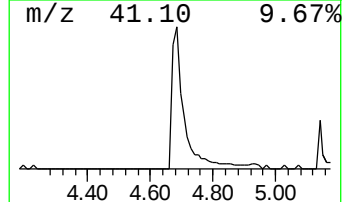
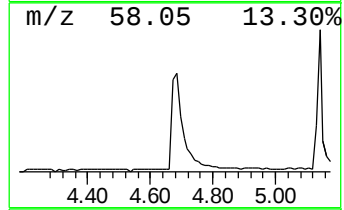
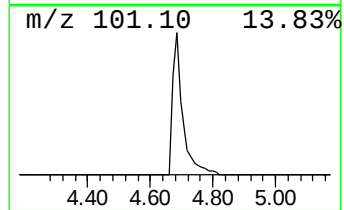
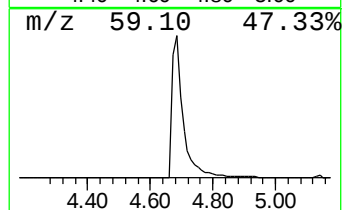
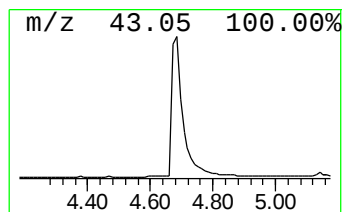
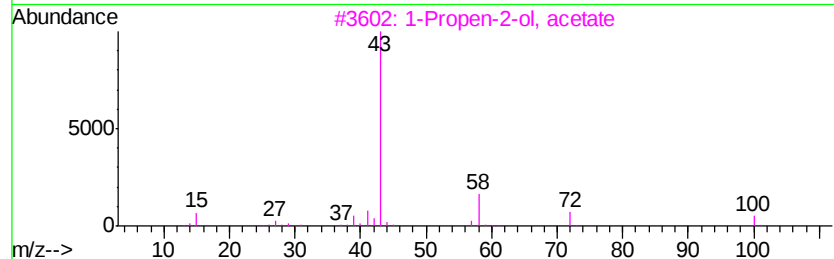
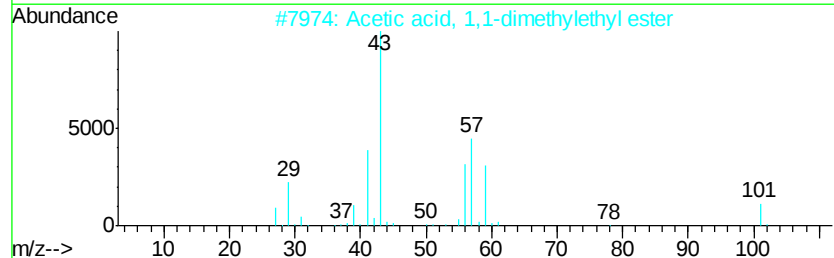
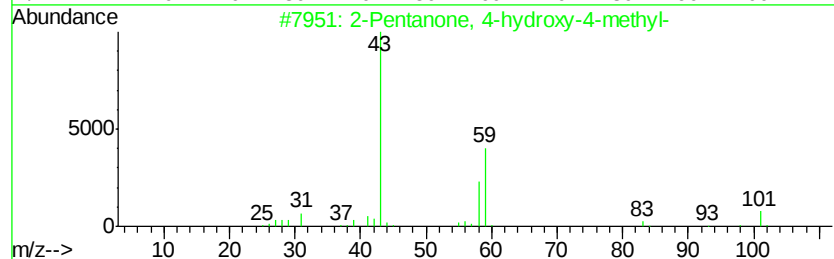
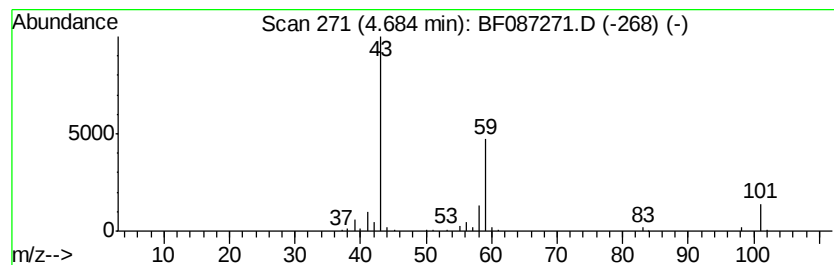
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.68 | 13.08 ng | 591731 | 1,4-Dichlorobenzene-d4 | 6.56 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 28   |
| 3    |    | 1-Propen-2-ol, acetate              | 100 | C5H8O2  | 000108-22-5 | 10   |
| 4    |    | Butane                              | 58  | C4H10   | 000106-97-8 | 9    |
| 5    |    | Diacetamide                         | 101 | C4H7NO2 | 000625-77-4 | 9    |



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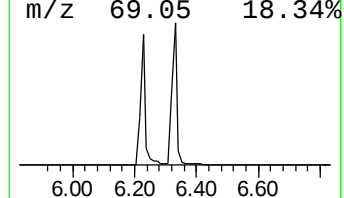
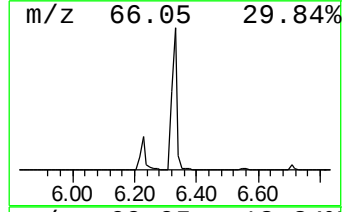
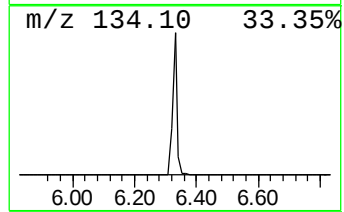
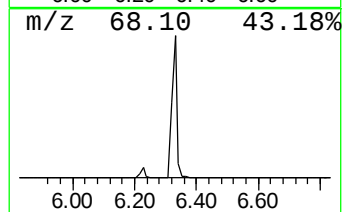
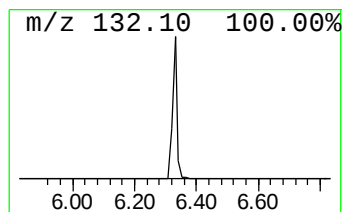
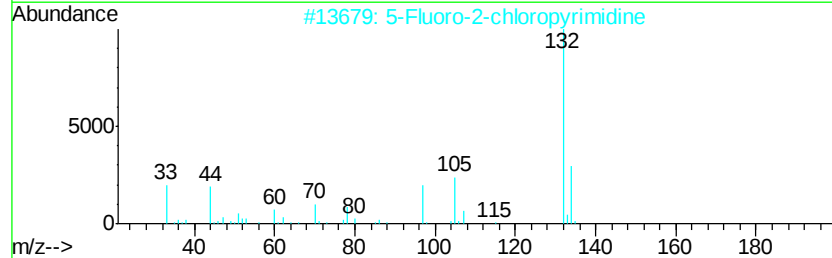
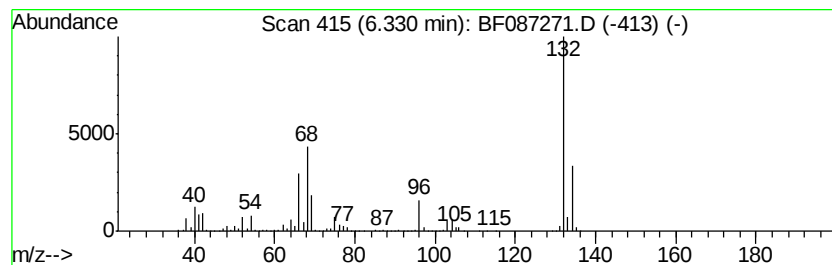
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF051716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 unknown6.33 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.33 | 82.73 ng | 3742880 | 1,4-Dichlorobenzene-d4 | 6.56 |

| 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  | 12   |
| 3    |    | Tranvlcypropine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2    | 1000241-93-9 | 10   |
| 5    |    | Xenon                            | 132 | Xe        | 007440-63-3  | 9    |



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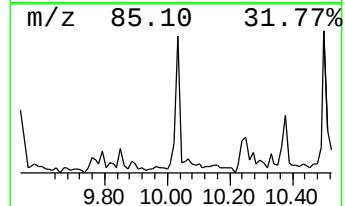
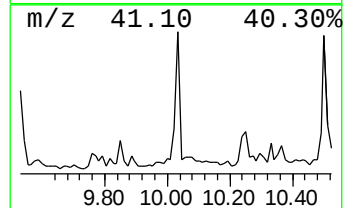
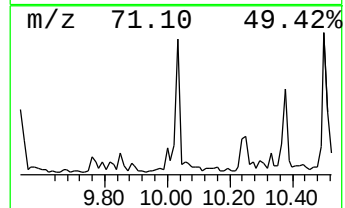
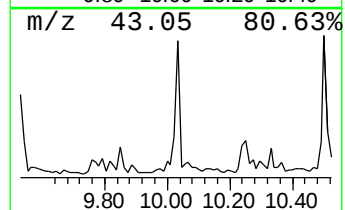
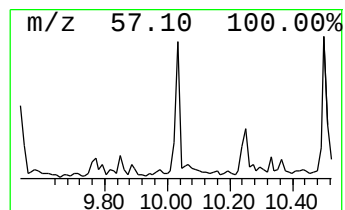
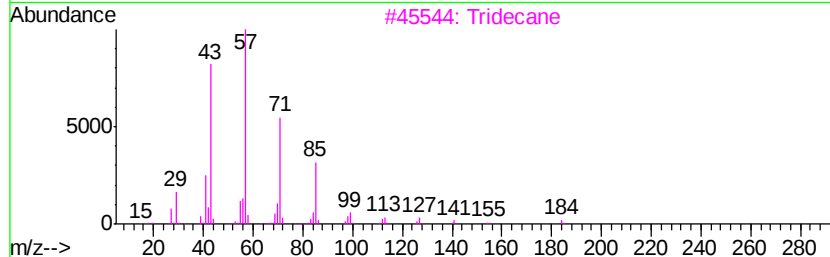
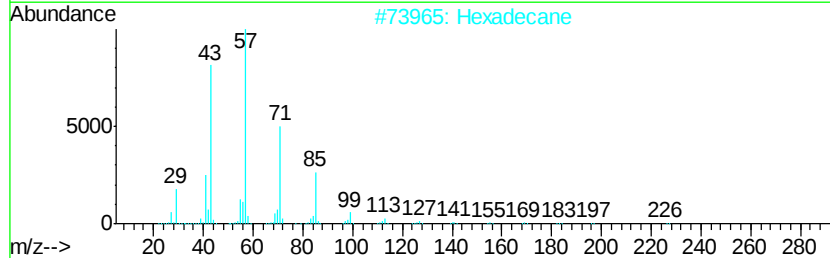
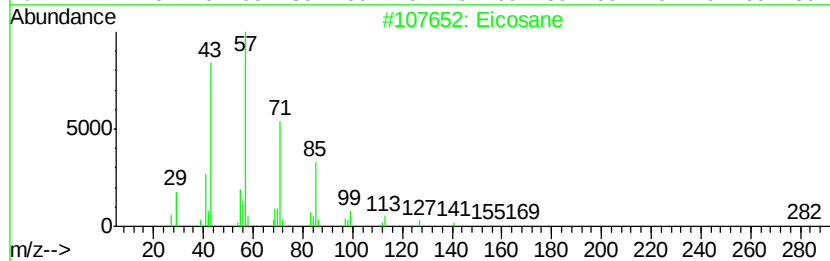
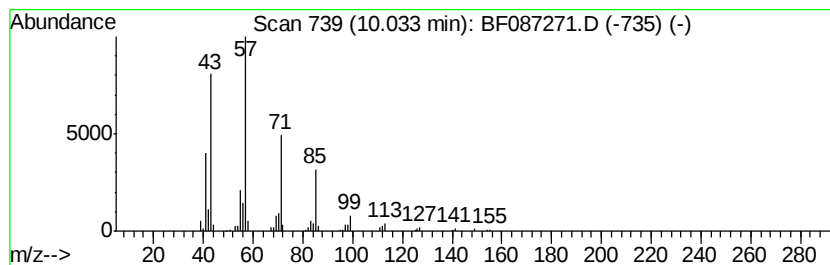
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Eicosane Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD |     | R.T.    |             |      |
|-------|---------|--------|------------------|-----|---------|-------------|------|
| 10.03 | 2.60 ng | 182367 | Acenaphthene-d10 |     | 9.59    |             |      |
| Hit#  | of      | 5      | Tentative ID     | MW  | MolForm | CAS#        | Qual |
| 1     |         |        | Eicosane         | 282 | C20H42  | 000112-95-8 | 91   |
| 2     |         |        | Hexadecane       | 226 | C16H34  | 000544-76-3 | 91   |
| 3     |         |        | Tridecane        | 184 | C13H28  | 000629-50-5 | 86   |
| 4     |         |        | Nonane, 5-butyl- | 184 | C13H28  | 017312-63-9 | 80   |
| 5     |         |        | Tetradecane      | 198 | C14H30  | 000629-59-4 | 80   |



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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M  
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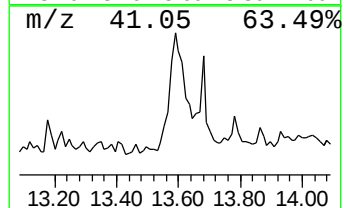
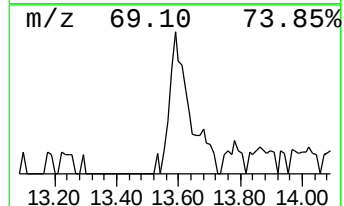
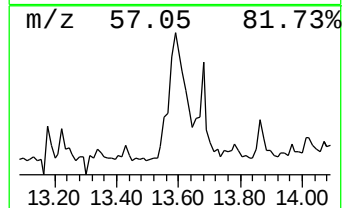
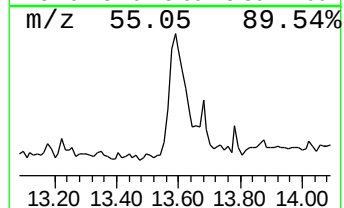
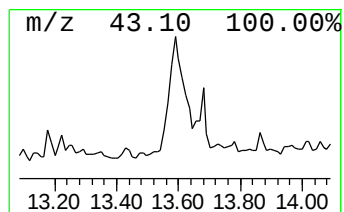
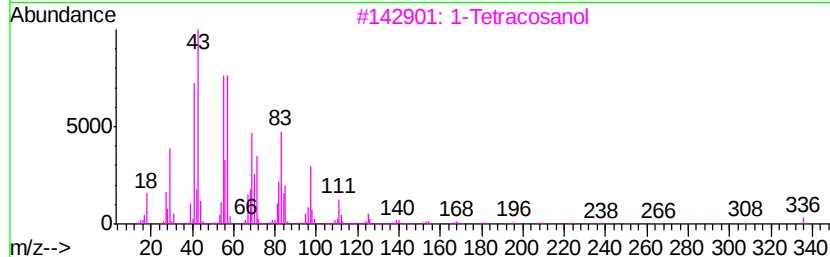
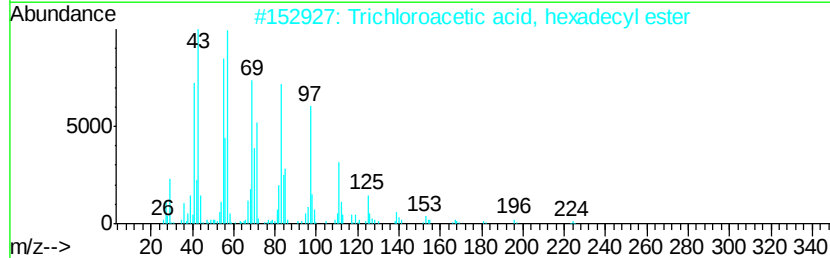
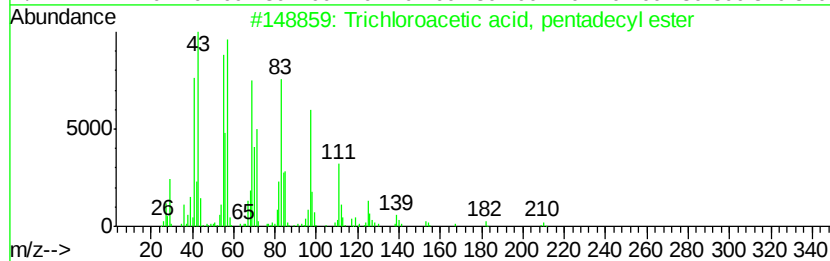
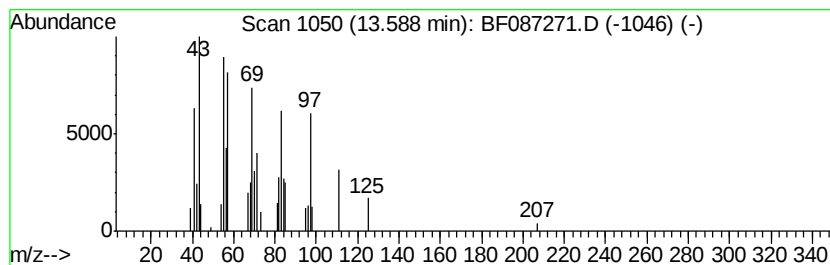
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Peak Number 7 Trichloroacetic acid, penta... Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.59 | 2.29 ng | 106874 | Chrysene-d12     | 13.69 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0  | 91   |
| 2    |    | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1  | 91   |
| 3    |    | 1-Tetracosanol                      | 354 | C24H50O     | 000506-51-4  | 91   |
| 4    |    | Trichloroacetic acid, tetradecyl... | 358 | C16H29Cl3O2 | 074339-52-9  | 90   |
| 5    |    | 3-Chloropropionic acid, heptadec... | 346 | C20H39ClO2  | 1000283-05-1 | 87   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 4.68  | 13.1    | ng    | 591731   | 1                     | 6.56  | 904820  | 20.0 |
| unknown6.33          | 6.33  | 82.7    | ng    | 3742880  | 1                     | 6.56  | 904820  | 20.0 |
| Eicosane             | 10.03 | 2.6     | ng    | 182367   | 3                     | 9.59  | 1402430 | 20.0 |
| Trichloroacetic a... | 13.59 | 2.3     | ng    | 106874   | 5                     | 13.69 | 933375  | 20.0 |