

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052016\  
 Data File : BF087264.D  
 Acq On : 21 May 2016 11:04  
 Operator : UM/SJ  
 Sample : H3154-01  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SED-03-0-2

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-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          | 59           | rVB      | 3320276        | 6952360       | 100.00%         | 17.090%       |
| 2         | 4.684       | 269           | 271         | 284          | rBV      | 218420         | 425614        | 6.12%           | 1.046%        |
| 3         | 5.141       | 309           | 311         | 331          | rBV      | 3305967        | 3633638       | 52.26%          | 8.932%        |
| 4         | 6.227       | 403           | 406         | 408          | rBV      | 3709554        | 3798394       | 54.63%          | 9.337%        |
| 5         | 6.330       | 413           | 415         | 417          | rBV      | 3668994        | 3847823       | 55.35%          | 9.459%        |
| 6         | 6.559       | 432           | 435         | 444          | rVB      | 624257         | 842340        | 12.12%          | 2.071%        |
| 7         | 6.707       | 446           | 448         | 456          | rVV      | 2808702        | 2592177       | 37.28%          | 6.372%        |
| 8         | 7.130       | 483           | 485         | 498          | rBV      | 2261418        | 2351242       | 33.82%          | 5.780%        |
| 9         | 7.839       | 545           | 547         | 550          | rBV      | 964544         | 1102503       | 15.86%          | 2.710%        |
| 10        | 8.925       | 639           | 642         | 644          | rBV      | 3628432        | 3911953       | 56.27%          | 9.616%        |
| 11        | 9.325       | 675           | 677         | 681          | rBV      | 564091         | 496688        | 7.14%           | 1.221%        |
| 12        | 9.588       | 697           | 700         | 706          | rVV      | 1426756        | 1303844       | 18.75%          | 3.205%        |
| 13        | 10.033      | 735           | 739         | 740          | rBV      | 109251         | 106797        | 1.54%           | 0.263%        |
| 14        | 10.376      | 766           | 769         | 772          | rBV      | 2408167        | 2370733       | 34.10%          | 5.828%        |
| 15        | 10.502      | 778           | 780         | 787          | rVB      | 121916         | 167363        | 2.41%           | 0.411%        |
| 16        | 11.062      | 827           | 829         | 832          | rBV      | 1316727        | 1221170       | 17.56%          | 3.002%        |
| 17        | 11.611      | 873           | 877         | 882          | rBV2     | 40241          | 75287         | 1.08%           | 0.185%        |
| 18        | 12.651      | 965           | 968         | 970          | rBV      | 3170884        | 3612646       | 51.96%          | 8.881%        |
| 19        | 13.577      | 1045          | 1049        | 1056         | rBV      | 72562          | 214859        | 3.09%           | 0.528%        |
| 20        | 13.691      | 1056          | 1059        | 1066         | rVB      | 935475         | 951134        | 13.68%          | 2.338%        |
| 21        | 15.040      | 1175          | 1177        | 1187         | rBV      | 515348         | 701884        | 10.10%          | 1.725%        |

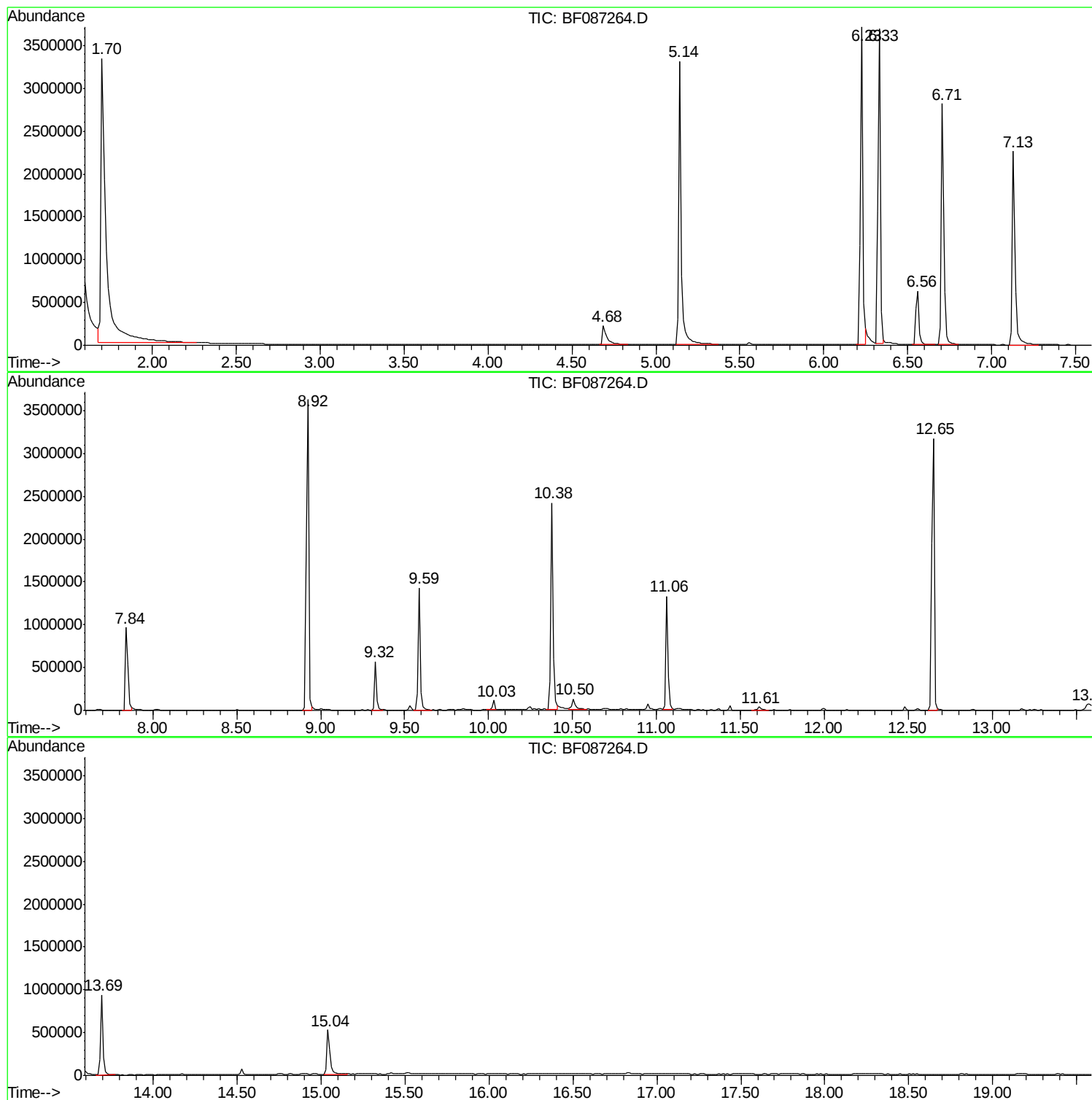
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF051716.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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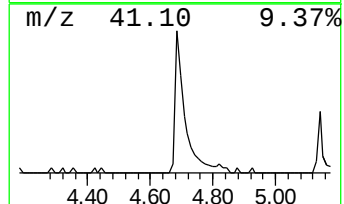
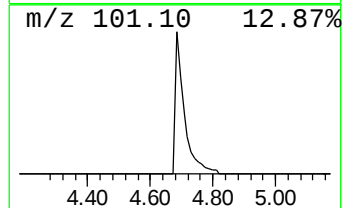
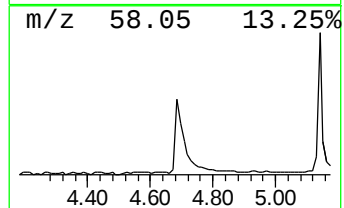
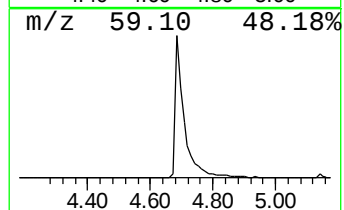
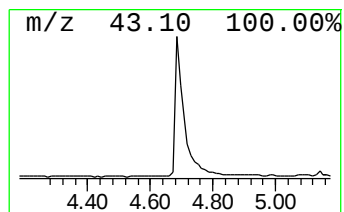
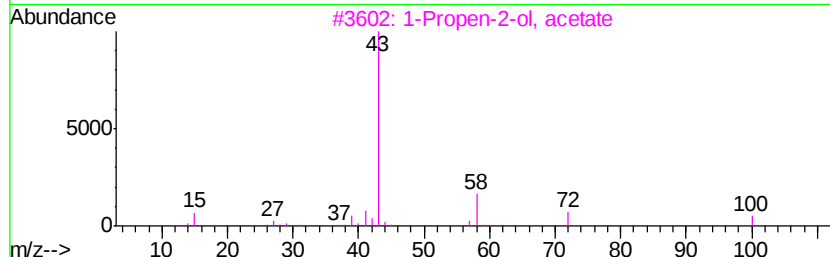
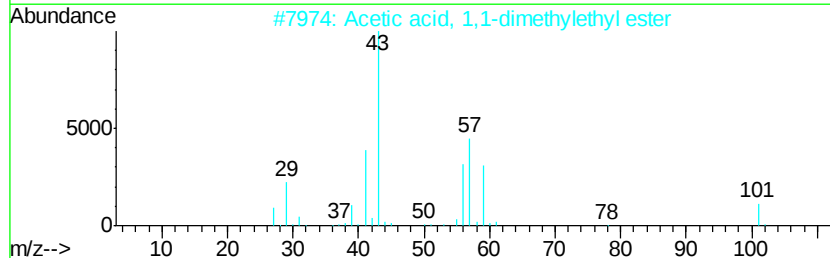
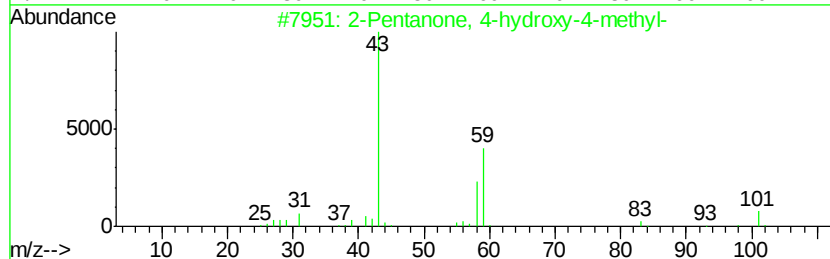
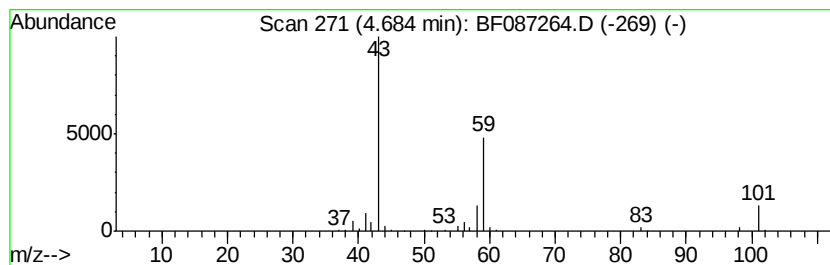
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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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 | 10.11 ng | 425614 | 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 | 64   |
| 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    |    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 9    |
| 5    |    | Butane                              | 58  | C4H10   | 000106-97-8 | 9    |



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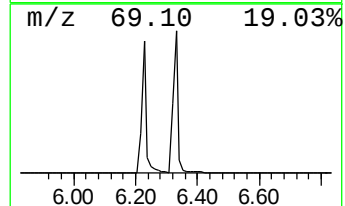
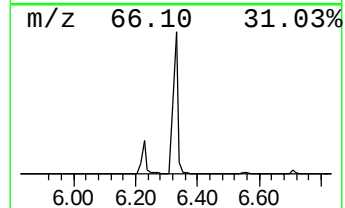
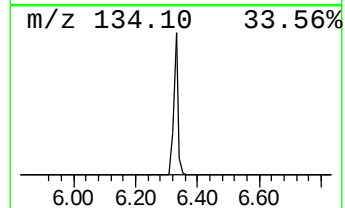
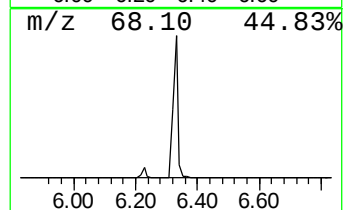
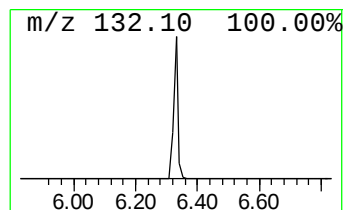
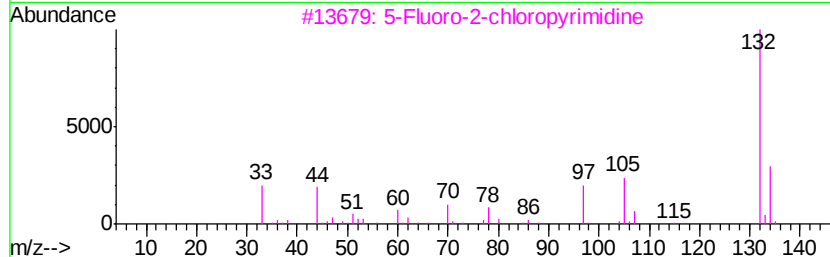
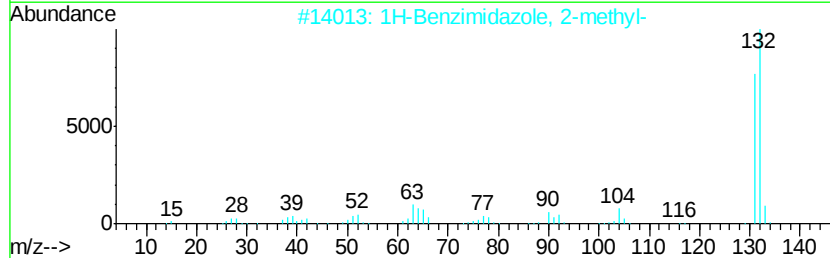
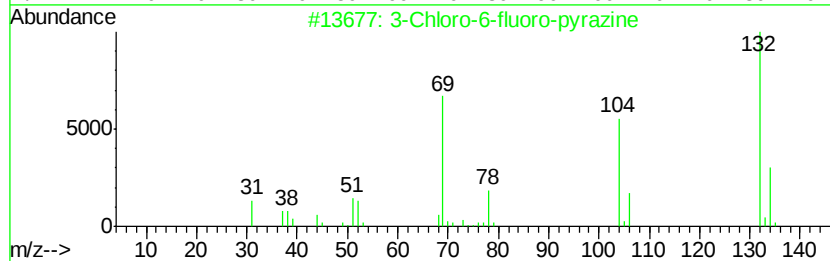
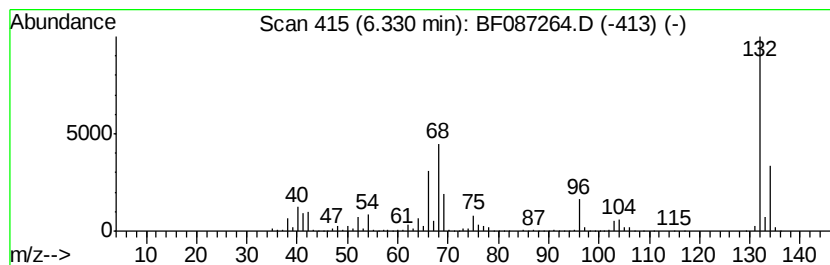
TIC Library : C:\DATABASE\NIST02.L  
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Peak Number 3 unknown6.33 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.33 | 91.36 ng | 3847820 | 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    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 3    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 5    |    | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2    | 1000241-93-9 | 10   |



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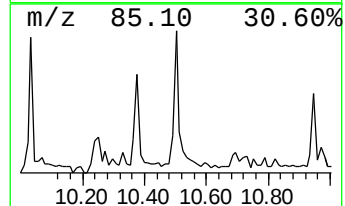
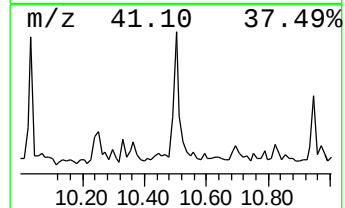
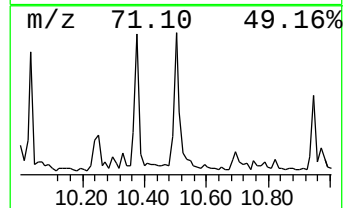
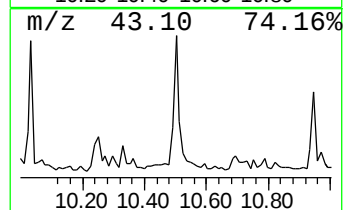
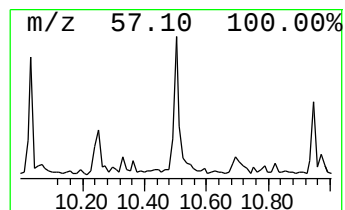
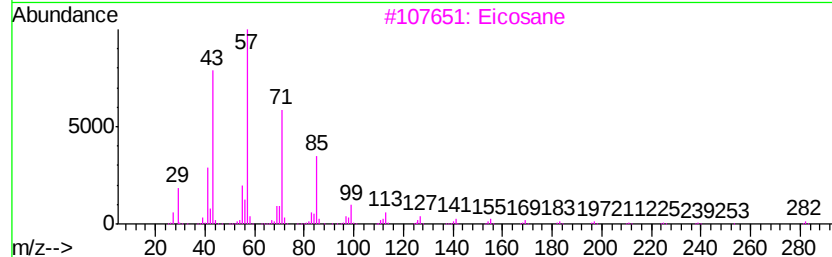
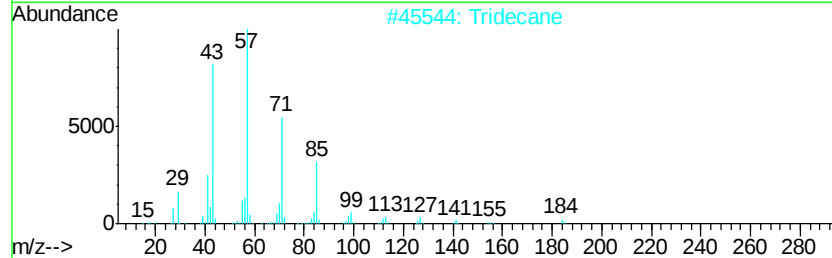
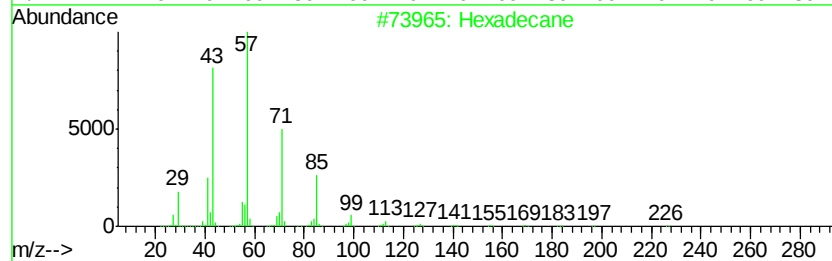
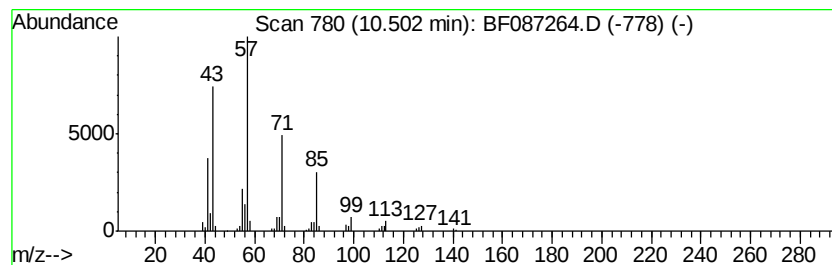
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Hexadecane Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.50 | 2.74 ng | 167363 | Phenanthrene-d10 | 11.06 |

| Hit# of | 5                           | Tentative ID | MW  | MolForm     | CAS#        | Qual |
|---------|-----------------------------|--------------|-----|-------------|-------------|------|
| 1       | Hexadecane                  |              | 226 | C16H34      | 000544-76-3 | 91   |
| 2       | Tridecane                   |              | 184 | C13H28      | 000629-50-5 | 90   |
| 3       | Eicosane                    |              | 282 | C20H42      | 000112-95-8 | 90   |
| 4       | Pentadecane                 |              | 212 | C15H32      | 000629-62-9 | 86   |
| 5       | Silane, trichlorooctadecyl- |              | 386 | C18H37Cl3Si | 000112-04-9 | 78   |



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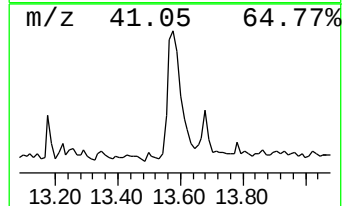
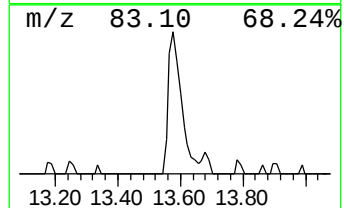
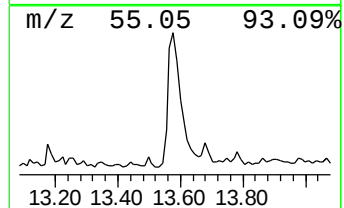
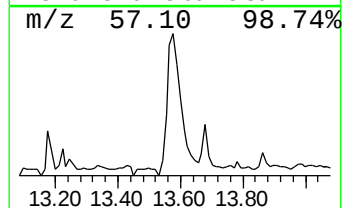
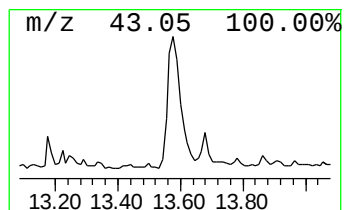
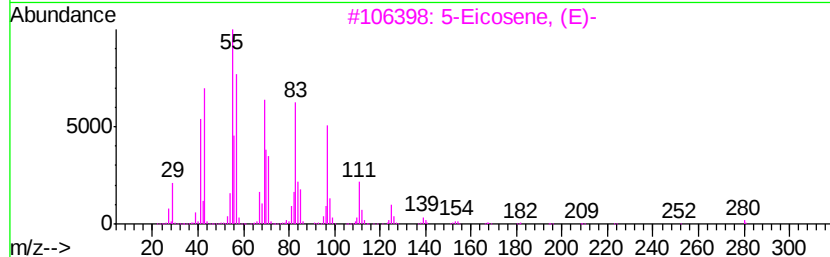
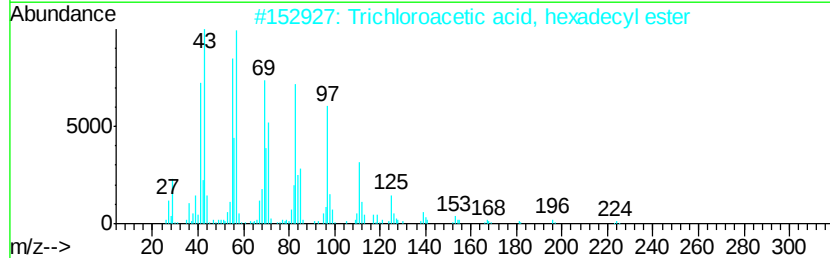
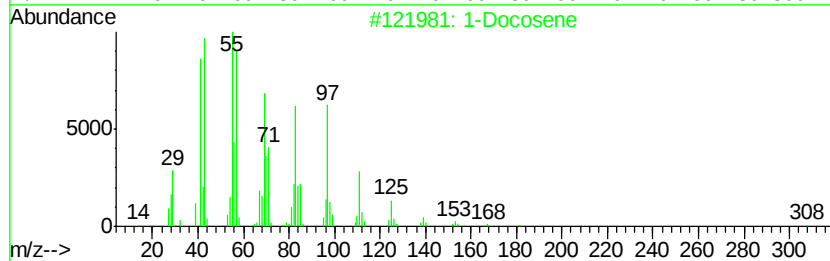
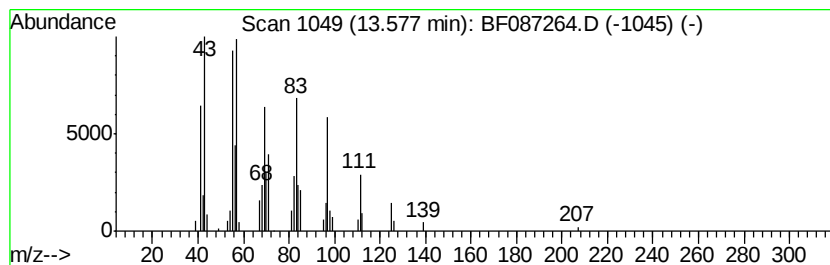
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ClientSampleId :  
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\*\*\*\*\*  
Peak Number 6 1-Docosene Concentration Rank 5

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 13.58     | 4.52 ng                             | 214859 | Chrysene-d12     | 13.69       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 1-Docosene                          | 308    | C22H44           | 001599-67-3 | 95   |
| 2         | Trichloroacetic acid, hexadecyl ... | 386    | C18H33Cl3O2      | 074339-54-1 | 94   |
| 3         | 5-Eicosene, (E)-                    | 280    | C20H40           | 074685-30-6 | 91   |
| 4         | Trichloroacetic acid, pentadecyl... | 372    | C17H31Cl3O2      | 074339-53-0 | 90   |
| 5         | 1-Heptadecanol                      | 256    | C17H36O          | 001454-85-9 | 87   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 4.68  | 10.1    | ng    | 425614   | 1                     | 6.56  | 842340  | 20.0 |
| unknown6.33          | 6.33  | 91.4    | ng    | 3847820  | 1                     | 6.56  | 842340  | 20.0 |
| Hexadecane           | 10.50 | 2.7     | ng    | 167363   | 4                     | 11.06 | 1221170 | 20.0 |
| 1-Docosene           | 13.58 | 4.5     | ng    | 214859   | 5                     | 13.69 | 951134  | 20.0 |