

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\  
 Data File : BF099301.D  
 Acq On : 10 Oct 2017 15:11  
 Operator : SJ/JU  
 Sample : I5651-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ENV-115-2(0-5)

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-BF092317.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         | 2.134       | 4             | 8           | 16           | rVB      | 30699          | 44704         | 1.92%           | 0.232%        |
| 2         | 5.087       | 506           | 510         | 521          | rBV      | 276102         | 354302        | 15.20%          | 1.842%        |
| 3         | 5.487       | 573           | 578         | 581          | rBV      | 2169584        | 2111862       | 90.61%          | 10.978%       |
| 4         | 6.498       | 745           | 750         | 753          | rBV      | 2074770        | 2104339       | 90.29%          | 10.939%       |
| 5         | 6.634       | 769           | 773         | 776          | rBV      | 2418270        | 2235177       | 95.90%          | 11.619%       |
| 6         | 6.863       | 808           | 812         | 816          | rBV      | 773694         | 597014        | 25.61%          | 3.104%        |
| 7         | 7.022       | 834           | 839         | 842          | rBV      | 1999869        | 1770356       | 75.96%          | 9.203%        |
| 8         | 7.428       | 903           | 908         | 911          | rBV      | 1446451        | 1347685       | 57.82%          | 7.006%        |
| 9         | 8.145       | 1026          | 1030        | 1033         | rBV      | 954284         | 768212        | 32.96%          | 3.993%        |
| 10        | 9.222       | 1208          | 1213        | 1216         | rBV      | 2431383        | 2330721       | 100.00%         | 12.116%       |
| 11        | 9.610       | 1275          | 1279        | 1286         | rBV      | 334306         | 271184        | 11.64%          | 1.410%        |
| 12        | 9.822       | 1309          | 1315        | 1319         | rVB      | 32267          | 32288         | 1.39%           | 0.168%        |
| 13        | 9.898       | 1324          | 1328        | 1332         | rBV      | 913651         | 760808        | 32.64%          | 3.955%        |
| 14        | 10.316      | 1396          | 1399        | 1402         | rVB      | 59424          | 43885         | 1.88%           | 0.228%        |
| 15        | 10.686      | 1458          | 1462        | 1473         | rBV      | 1046717        | 919243        | 39.44%          | 4.779%        |
| 16        | 10.792      | 1477          | 1480        | 1489         | rVB      | 57450          | 66888         | 2.87%           | 0.348%        |
| 17        | 11.239      | 1552          | 1556        | 1558         | rBV      | 30910          | 27222         | 1.17%           | 0.142%        |
| 18        | 11.386      | 1577          | 1581        | 1584         | rBV      | 756192         | 627124        | 26.91%          | 3.260%        |
| 19        | 12.598      | 1784          | 1787        | 1791         | rBV      | 29053          | 23365         | 1.00%           | 0.121%        |
| 20        | 12.827      | 1821          | 1826        | 1829         | rBV      | 32536          | 30766         | 1.32%           | 0.160%        |
| 21        | 12.969      | 1846          | 1850        | 1853         | rBV      | 1784699        | 1556354       | 66.78%          | 8.091%        |
| 22        | 13.857      | 1995          | 2001        | 2012         | rBV6     | 51644          | 105180        | 4.51%           | 0.547%        |
| 23        | 14.027      | 2026          | 2030        | 2033         | rBV      | 593999         | 564714        | 24.23%          | 2.936%        |
| 24        | 14.216      | 2059          | 2062        | 2068         | rVB      | 25308          | 26639         | 1.14%           | 0.138%        |
| 25        | 15.498      | 2276          | 2280        | 2288         | rVB      | 372190         | 474963        | 20.38%          | 2.469%        |
| 26        | 16.439      | 2436          | 2440        | 2444         | rVB4     | 23257          | 41652         | 1.79%           | 0.217%        |

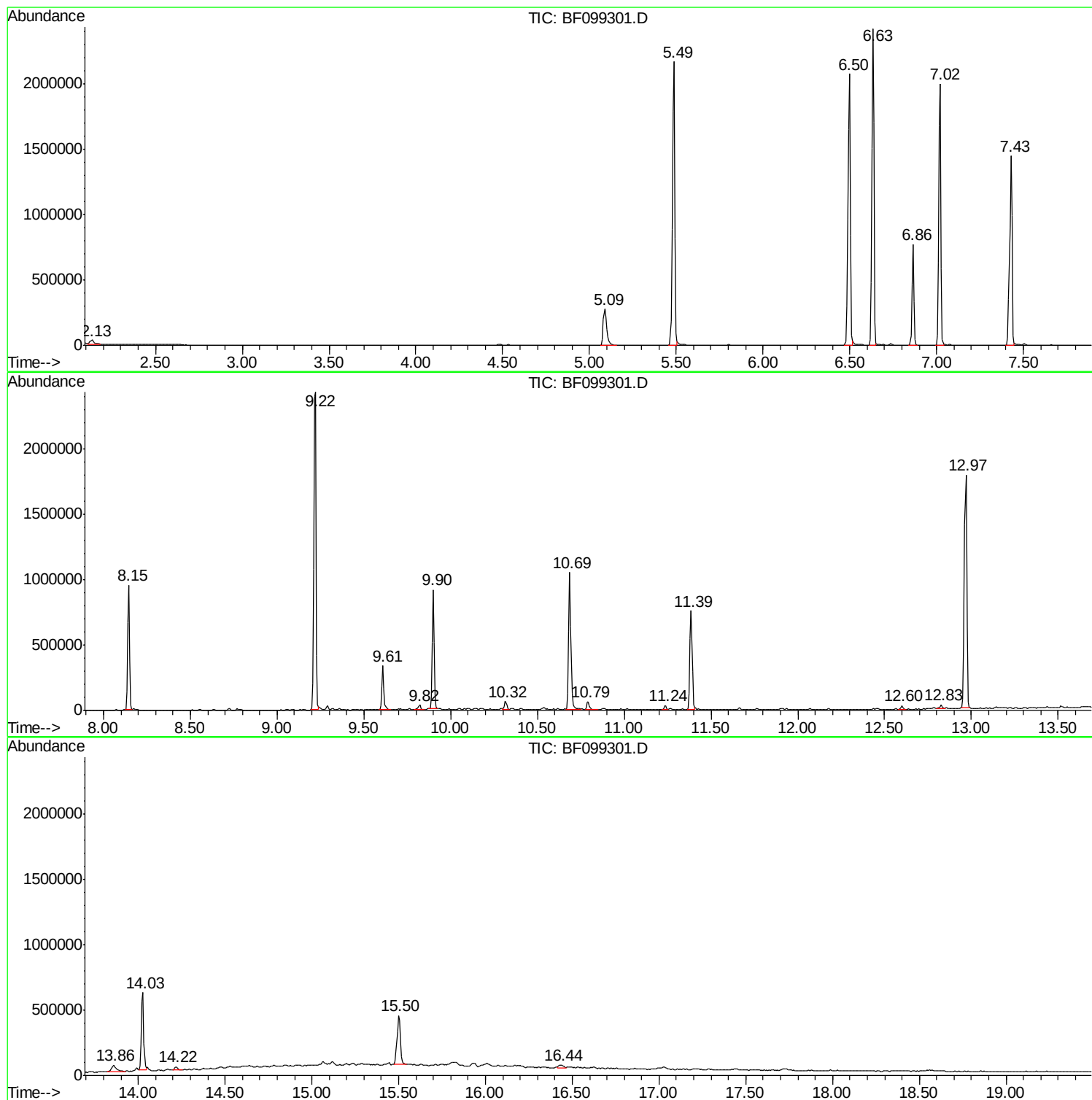
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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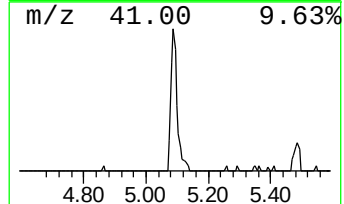
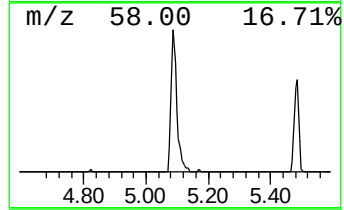
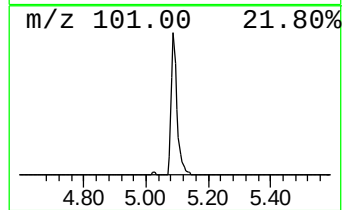
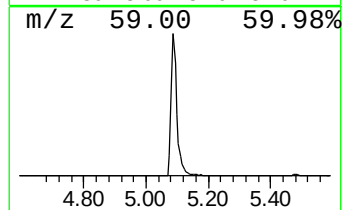
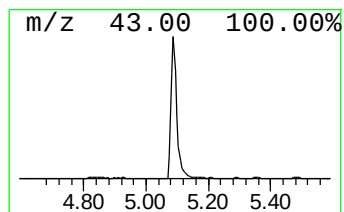
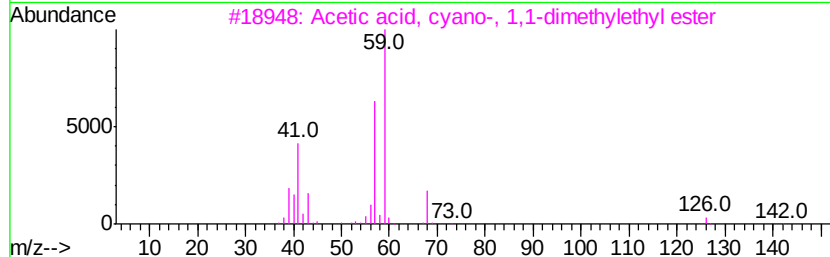
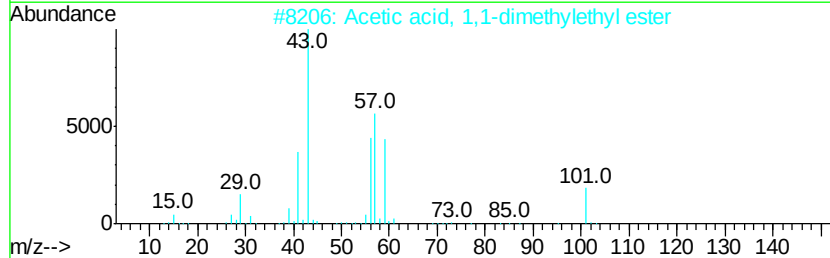
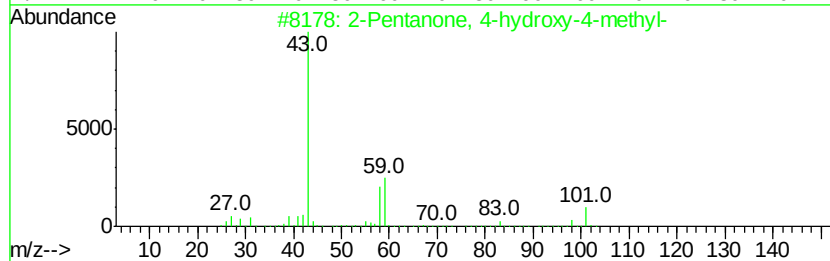
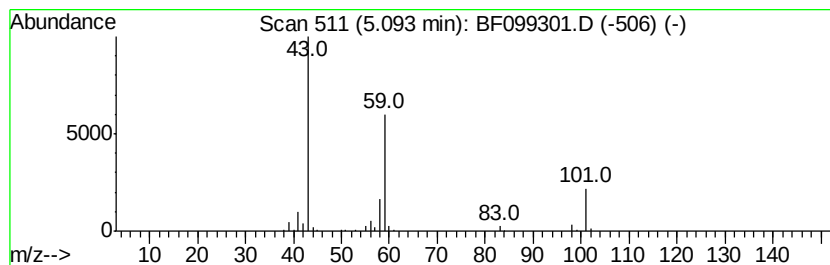
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.09 | 11.87 ng | 354302 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 64   |
| 2    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2  | 000540-88-5 | 39   |
| 3    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 4    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2  | 000057-71-6 | 9    |
| 5    |    |   | Acetone                             | 58  | C3H6O    | 000067-64-1 | 9    |



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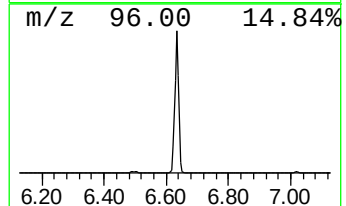
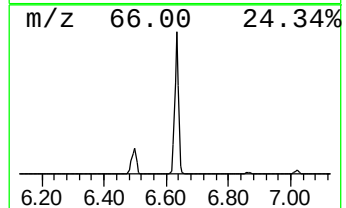
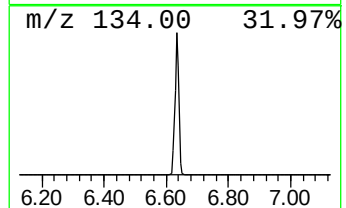
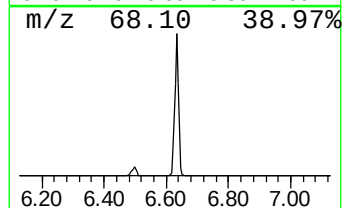
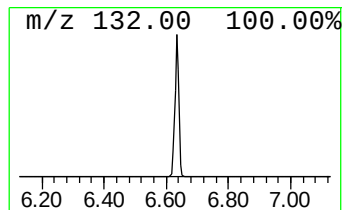
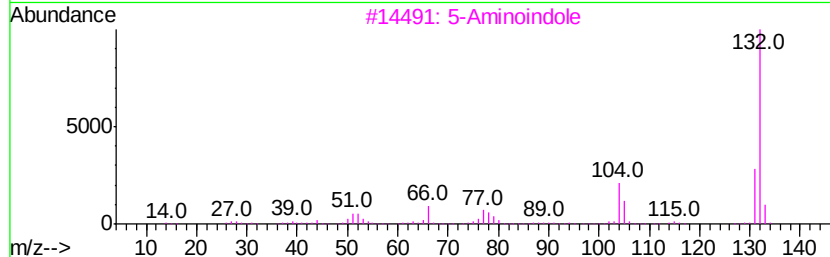
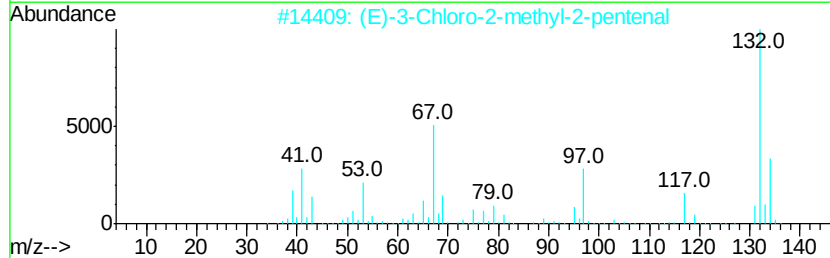
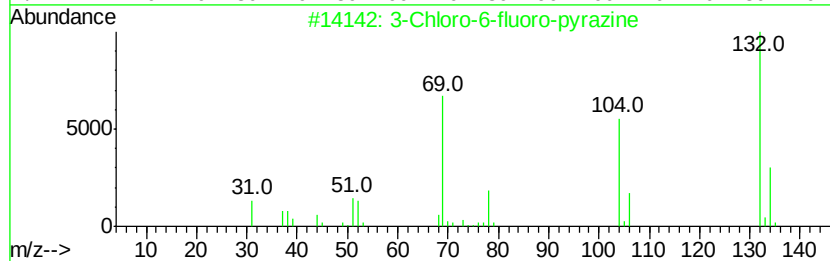
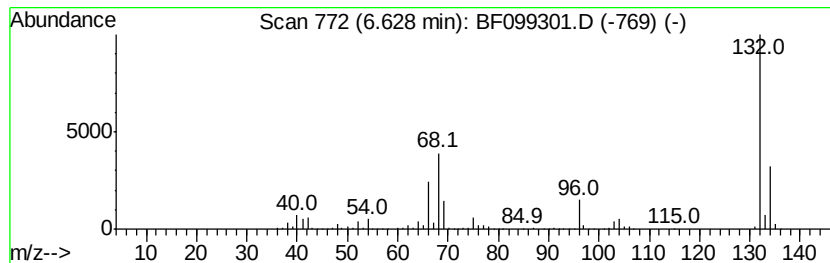
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.63 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.63 | 74.88 ng | 2235180 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 25   |
| 3    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



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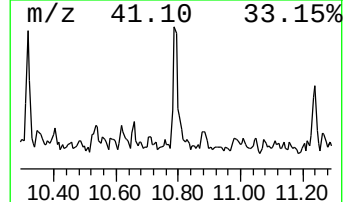
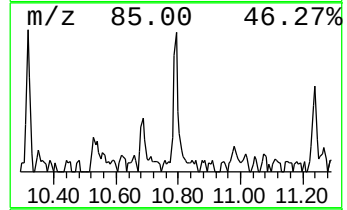
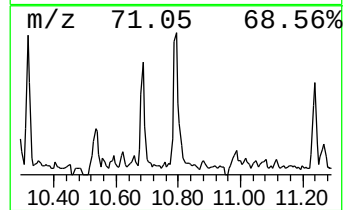
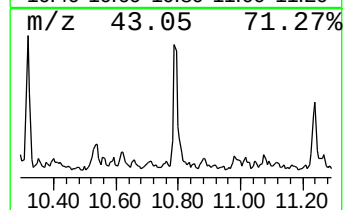
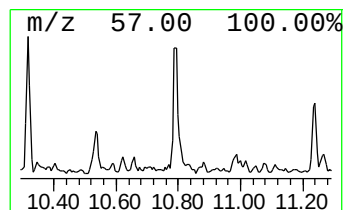
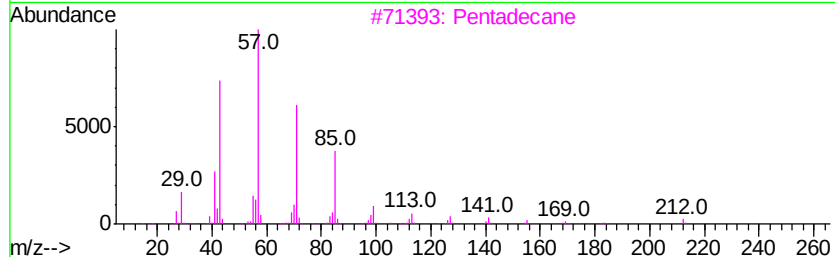
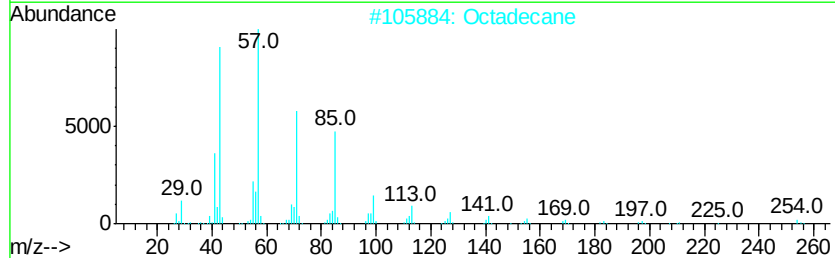
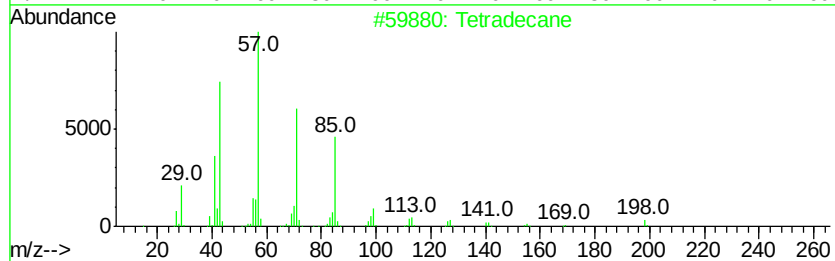
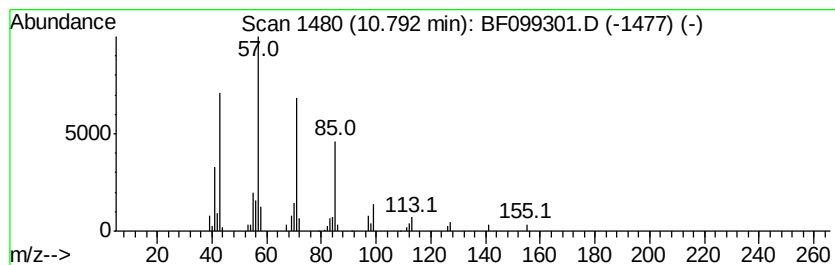
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Tetradecane Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 10.79 | 2.13 ng | 66888 | Phenanthrene-d10 | 11.39 |

| Hit# of | 5 | Tentative ID                         | MW  | MolForm   | CAS#         | Qual |
|---------|---|--------------------------------------|-----|-----------|--------------|------|
| 1       |   | Tetradecane                          | 198 | C14H30    | 000629-59-4  | 90   |
| 2       |   | Octadecane                           | 254 | C18H38    | 000593-45-3  | 90   |
| 3       |   | Pentadecane                          | 212 | C15H32    | 000629-62-9  | 90   |
| 4       |   | Sulfurous acid, 2-propyl tetradec... | 320 | C17H36O3S | 1000309-12-5 | 90   |
| 5       |   | Tritetracontane                      | 605 | C43H88    | 007098-21-7  | 90   |



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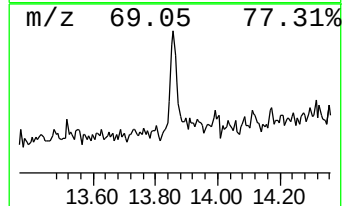
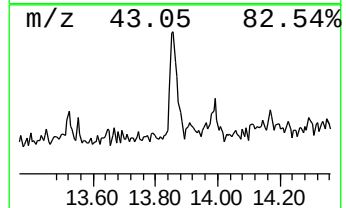
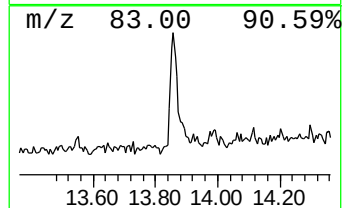
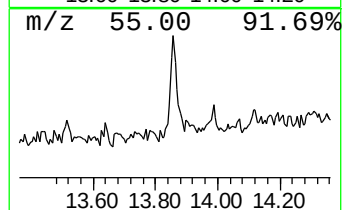
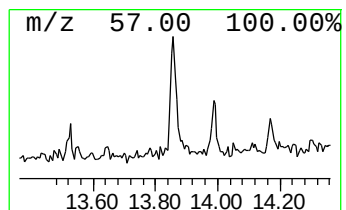
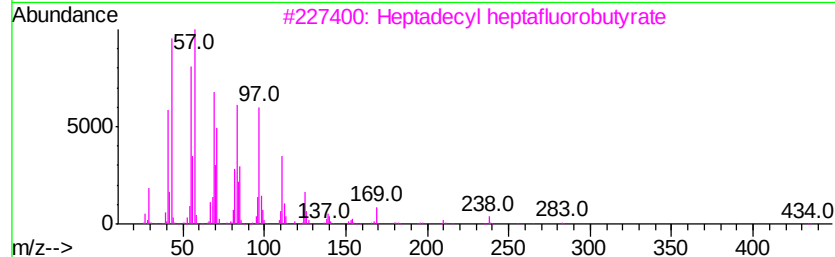
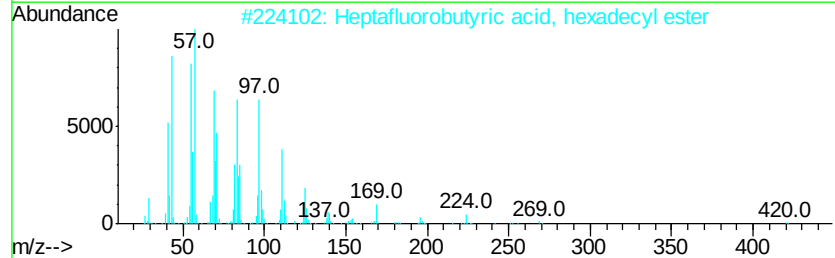
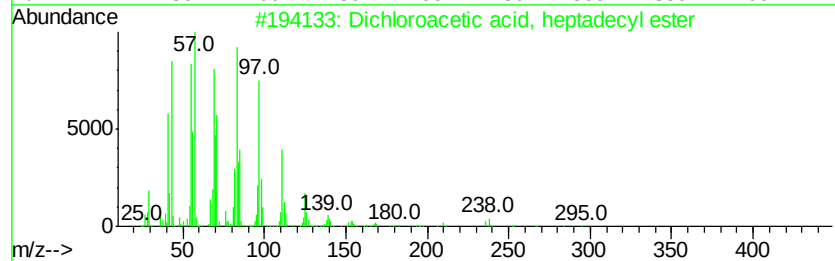
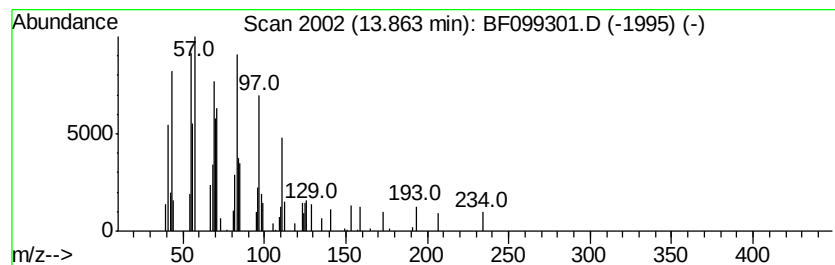
TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 5 Dichloroacetic acid, heptad... Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.86 | 3.73 ng | 105180 | Chrysene-d12     | 14.03 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 87   |
| 2    |    | Heptafluorobutyric acid, hexadec... | 438 | C20H33F7O2  | 006385-15-5  | 87   |
| 3    |    | Heptadecyl heptafluorobutyrate      | 452 | C21H35F7O2  | 959085-66-6  | 87   |
| 4    |    | Pentafluoropropionic acid, octad... | 416 | C21H37F5O2  | 959261-25-7  | 83   |
| 5    |    | 1-Hexadecanol, 2-methyl-            | 256 | C17H36O     | 002490-48-4  | 83   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.09  | 11.9    | ng    | 354302   | 1                     | 6.86  | 597014 | 20.0 |
| unknown6.63          | 6.63  | 74.9    | ng    | 2235180  | 1                     | 6.86  | 597014 | 20.0 |
| Tetradecane          | 10.79 | 2.1     | ng    | 66888    | 4                     | 11.39 | 627124 | 20.0 |
| Dichloroacetic ac... | 13.86 | 3.7     | ng    | 105180   | 5                     | 14.03 | 564714 | 20.0 |