

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF022018\  
 Data File : BF103125.D  
 Acq On : 20 Feb 2018 19:51  
 Operator : SJ/JU  
 Sample : J1624-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-2

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-BF020318.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         | 2.169       | 7             | 14          | 24           | rVB      | 869440         | 1188508       | 34.21%          | 3.557%        |
| 2         | 5.075       | 503           | 508         | 511          | rBV      | 29362          | 35605         | 1.02%           | 0.107%        |
| 3         | 5.110       | 511           | 514         | 531          | rVB      | 92254          | 125131        | 3.60%           | 0.374%        |
| 4         | 5.498       | 576           | 580         | 592          | rBV      | 3364227        | 3471563       | 99.93%          | 10.388%       |
| 5         | 6.510       | 746           | 752         | 755          | rBV      | 2976472        | 3288979       | 94.67%          | 9.842%        |
| 6         | 6.645       | 771           | 775         | 778          | rBV      | 3503711        | 3372093       | 97.06%          | 10.091%       |
| 7         | 6.875       | 810           | 814         | 820          | rBV      | 1300843        | 1053975       | 30.34%          | 3.154%        |
| 8         | 7.034       | 836           | 841         | 844          | rBV      | 2768509        | 2611626       | 75.18%          | 7.815%        |
| 9         | 7.439       | 905           | 910         | 913          | rBV      | 2347521        | 2248925       | 64.73%          | 6.730%        |
| 10        | 8.157       | 1028          | 1032        | 1047         | rBV      | 1621952        | 1467514       | 42.24%          | 4.391%        |
| 11        | 9.233       | 1210          | 1215        | 1224         | rBV      | 3319647        | 3474058       | 100.00%         | 10.396%       |
| 12        | 9.622       | 1276          | 1281        | 1289         | rBV      | 266494         | 262059        | 7.54%           | 0.784%        |
| 13        | 9.833       | 1313          | 1317        | 1321         | rBV      | 106371         | 92512         | 2.66%           | 0.277%        |
| 14        | 9.910       | 1326          | 1330        | 1340         | rVV      | 1532124        | 1554541       | 44.75%          | 4.652%        |
| 15        | 10.327      | 1399          | 1401        | 1404         | rVB      | 127484         | 109054        | 3.14%           | 0.326%        |
| 16        | 10.551      | 1434          | 1439        | 1441         | rBV      | 39341          | 49563         | 1.43%           | 0.148%        |
| 17        | 10.704      | 1461          | 1465        | 1475         | rBV      | 2087032        | 2093670       | 60.27%          | 6.265%        |
| 18        | 10.804      | 1479          | 1482        | 1492         | rVB      | 146486         | 152391        | 4.39%           | 0.456%        |
| 19        | 11.251      | 1555          | 1558        | 1561         | rBV      | 61703          | 48449         | 1.39%           | 0.145%        |
| 20        | 11.404      | 1579          | 1584        | 1587         | rBV      | 1441345        | 1455602       | 41.90%          | 4.356%        |
| 21        | 11.916      | 1667          | 1671        | 1681         | rBV3     | 37542          | 59344         | 1.71%           | 0.178%        |
| 22        | 12.615      | 1787          | 1790        | 1795         | rBV      | 128700         | 114635        | 3.30%           | 0.343%        |
| 23        | 12.845      | 1823          | 1829        | 1832         | rBV      | 101286         | 104255        | 3.00%           | 0.312%        |
| 24        | 12.986      | 1848          | 1853        | 1856         | rBV      | 2888237        | 2685223       | 77.29%          | 8.035%        |
| 25        | 13.862      | 1999          | 2002        | 2012         | rVB2     | 126552         | 170304        | 4.90%           | 0.510%        |
| 26        | 14.045      | 2028          | 2033        | 2036         | rBV      | 982163         | 983436        | 28.31%          | 2.943%        |
| 27        | 15.098      | 2208          | 2212        | 2218         | rBV      | 45205          | 91129         | 2.62%           | 0.273%        |
| 28        | 15.404      | 2260          | 2264        | 2270         | rVB      | 25969          | 37220         | 1.07%           | 0.111%        |
| 29        | 15.468      | 2270          | 2275        | 2279         | rBV      | 31317          | 43764         | 1.26%           | 0.131%        |
| 30        | 15.533      | 2280          | 2286        | 2295         | rBV      | 682235         | 919655        | 26.47%          | 2.752%        |
| 31        | 15.974      | 2356          | 2361        | 2366         | rBV2     | 31427          | 53127         | 1.53%           | 0.159%        |

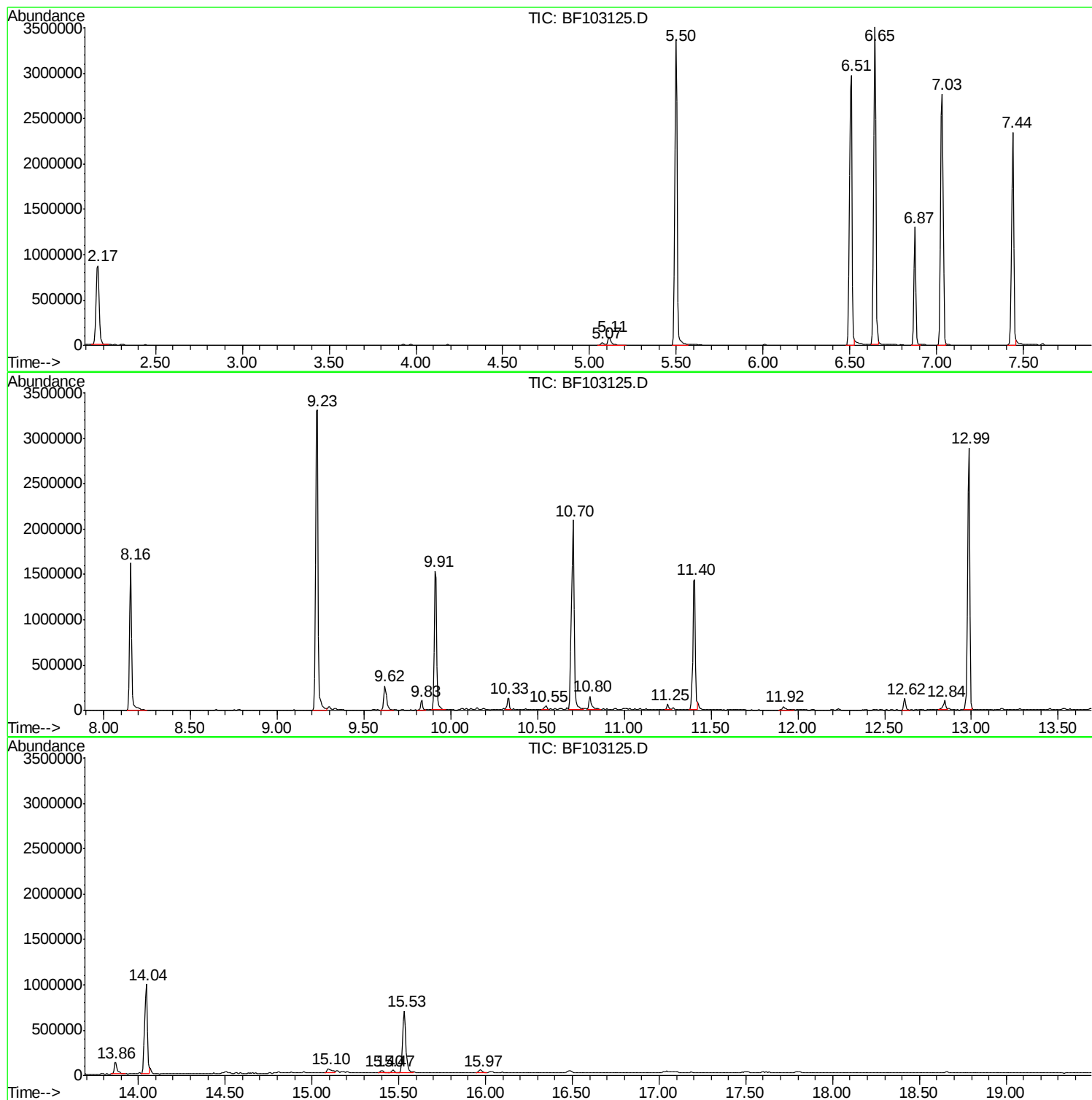
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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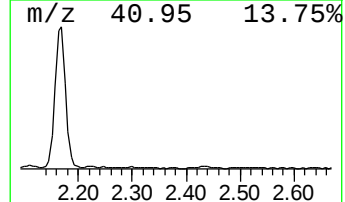
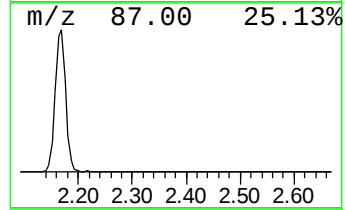
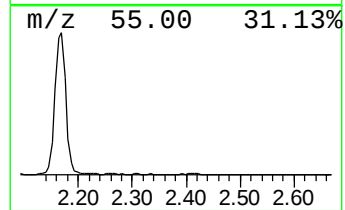
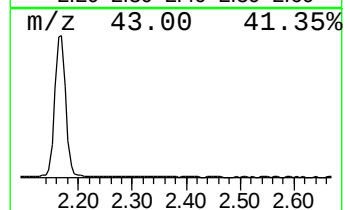
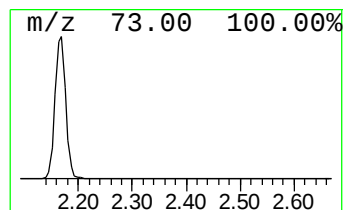
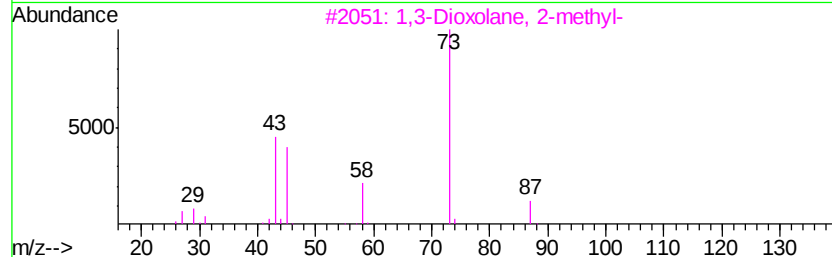
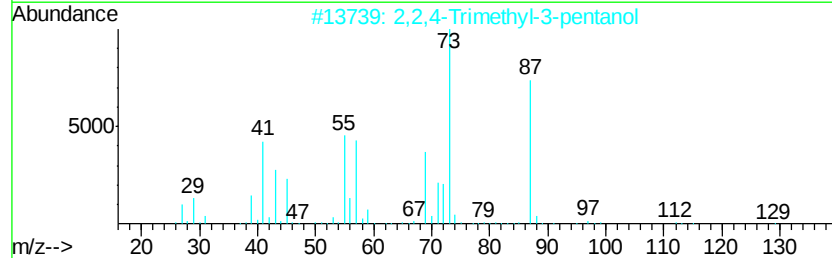
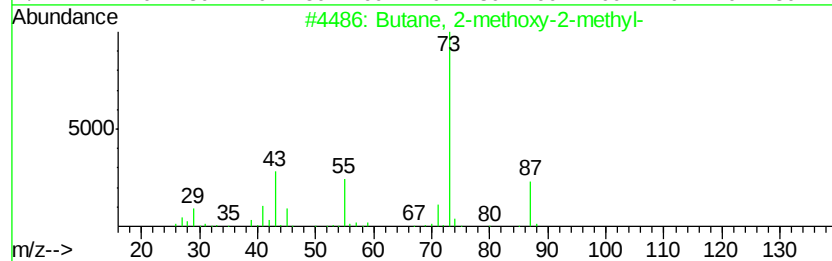
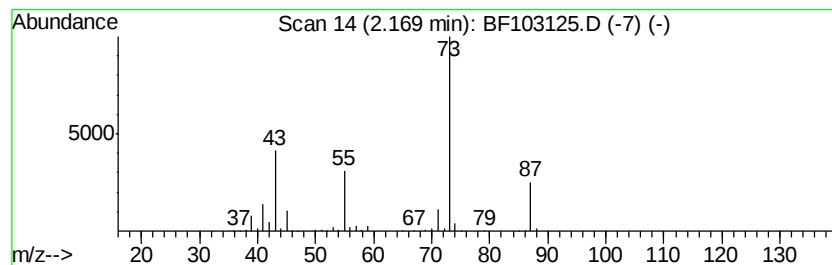
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 2.17 | 22.55 ng | 1188510 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 39   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 25   |
| 4    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |
| 5    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 9    |



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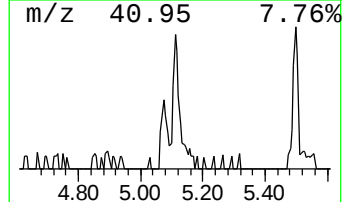
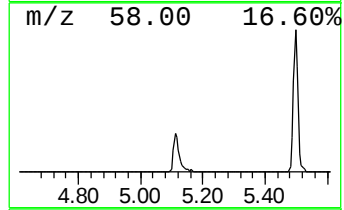
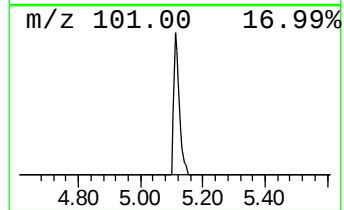
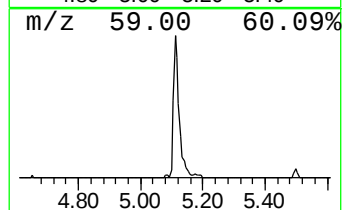
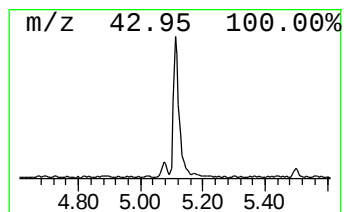
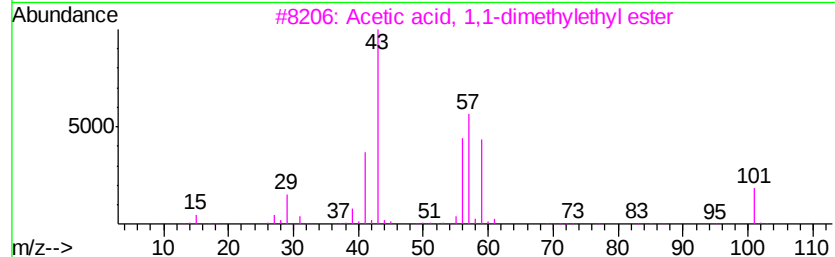
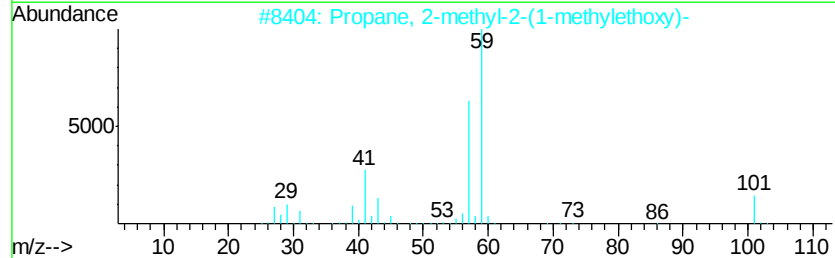
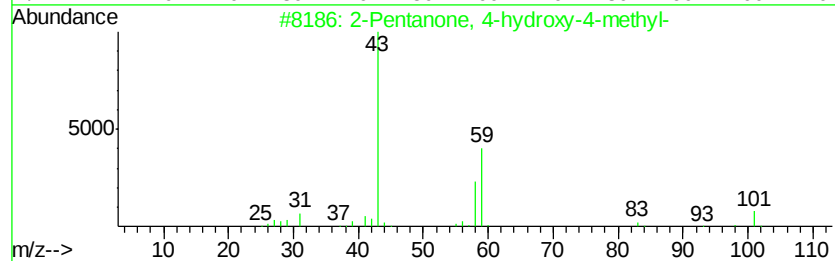
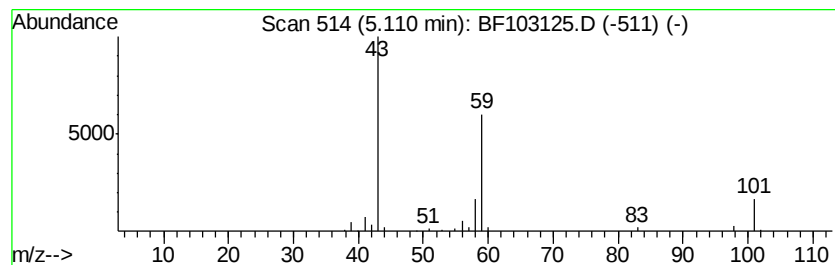
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.11 | 2.37 ng | 125131 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O  | 017348-59-3 | 42   |
| 3    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39   |
| 4    |    | 3-Octanol                           | 130 | C8H18O  | 000589-98-0 | 33   |
| 5    |    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 10   |



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Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
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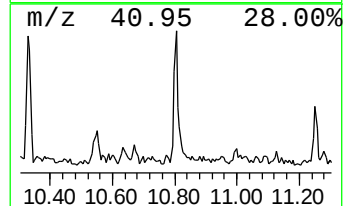
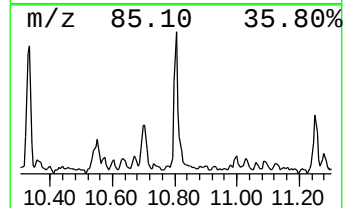
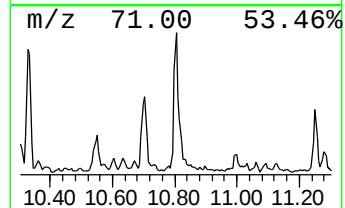
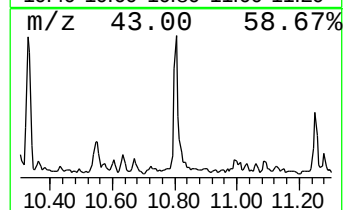
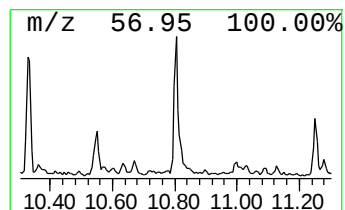
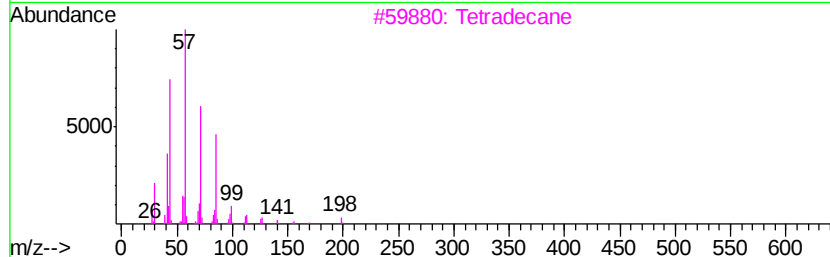
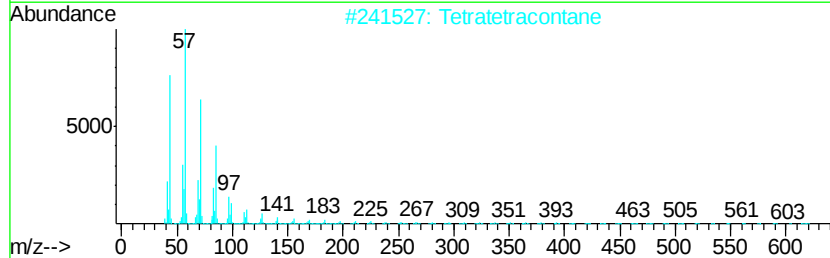
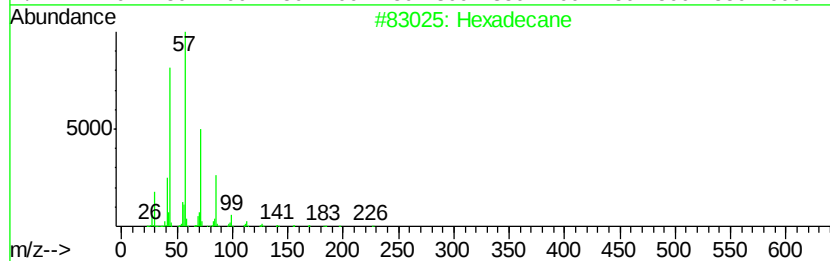
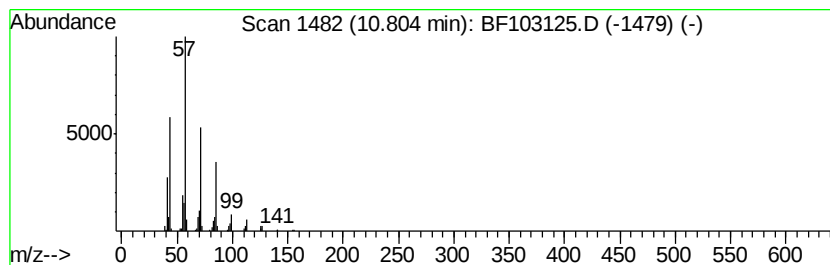
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Hexadecane Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.80 | 2.09 ng | 152391 | Phenanthrene-d10 | 11.40 |

| Hit# of | 5                 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------------|--------------|-----|---------|-------------|------|
| 1       | Hexadecane        |              | 226 | C16H34  | 000544-76-3 | 91   |
| 2       | Tetratetracontane |              | 619 | C44H90  | 007098-22-8 | 90   |
| 3       | Tetradecane       |              | 198 | C14H30  | 000629-59-4 | 90   |
| 4       | Pentadecane       |              | 212 | C15H32  | 000629-62-9 | 90   |
| 5       | Tridecane         |              | 184 | C13H28  | 000629-50-5 | 83   |



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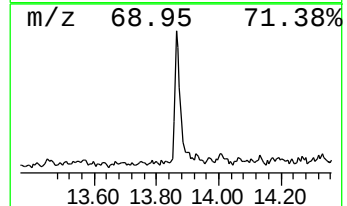
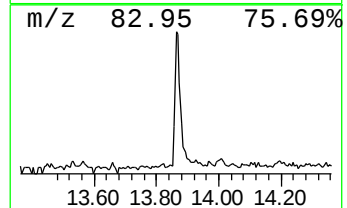
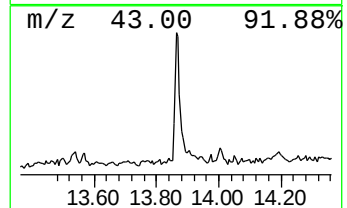
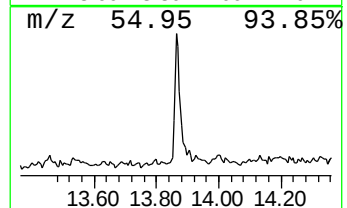
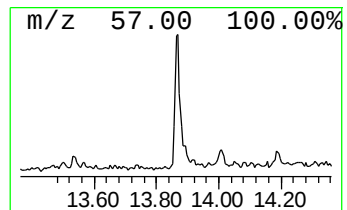
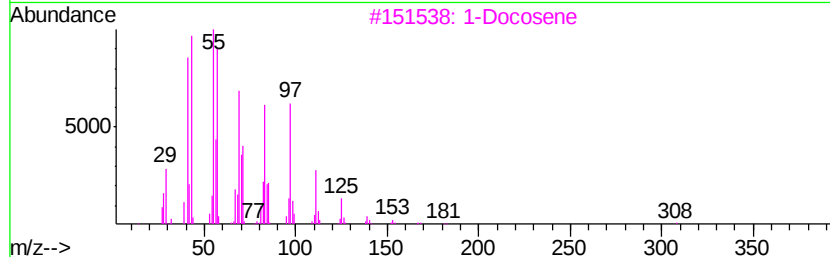
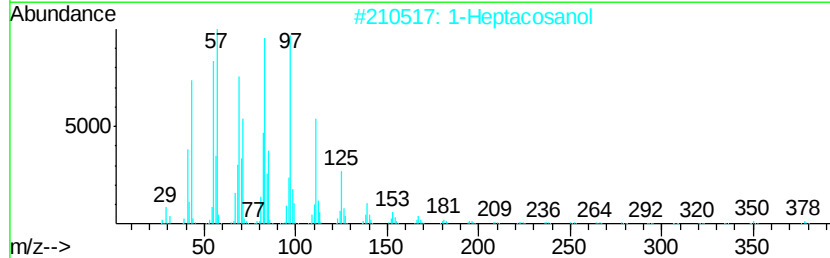
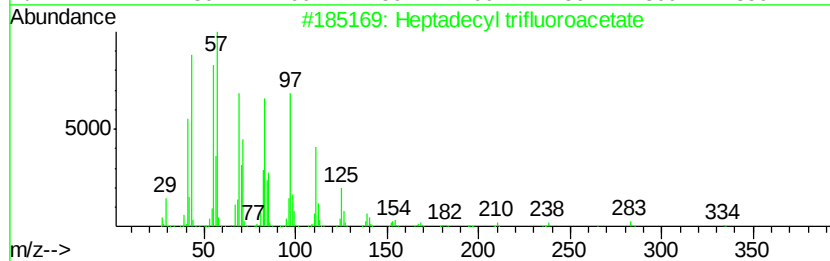
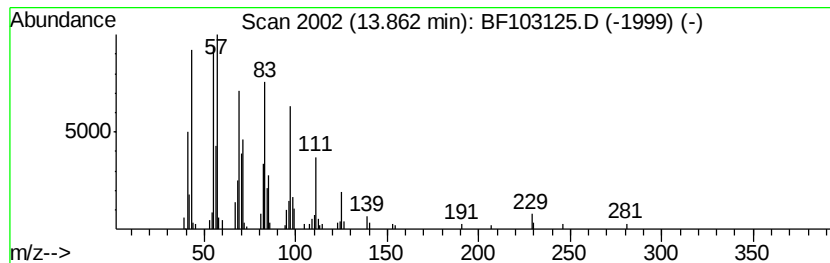
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TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 4 Heptadecyl trifluoroacetate Concentration Rank 2

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.        |              |      |
|---------|---------|-------------------------------------|------------------|-------------|--------------|------|
| 13.86   | 3.46 ng | 170304                              | Chrysene-d12     | 14.04       |              |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm     | CAS#         | Qual |
| 1       |         | Heptadecyl trifluoroacetate         | 352              | C19H35F3O2  | 1000351-87-0 | 91   |
| 2       |         | 1-Heptacosanol                      | 396              | C27H56O     | 002004-39-9  | 91   |
| 3       |         | 1-Docosene                          | 308              | C22H44      | 001599-67-3  | 91   |
| 4       |         | Dichloroacetic acid, heptadecyl ... | 366              | C19H36Cl2O2 | 1000282-98-2 | 91   |
| 5       |         | Heptafluorobutyric acid, hexadec... | 438              | C20H33F7O2  | 006385-15-5  | 91   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 2.17  | 22.6    | ng    | 1188510  | 1                     | 6.87  | 1053980 | 20.0 |
| 2-Pentanone, 4-hy... | 5.11  | 2.4     | ng    | 125131   | 1                     | 6.87  | 1053980 | 20.0 |
| Hexadecane           | 10.80 | 2.1     | ng    | 152391   | 4                     | 11.40 | 1455600 | 20.0 |
| Heptadecyl triflu... | 13.86 | 3.5     | ng    | 170304   | 5                     | 14.04 | 983436  | 20.0 |