

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082416\  
 Data File : BF089873.D  
 Acq On : 24 Aug 2016 14:42  
 Operator : UM/SJ  
 Sample : H4551-06  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AST-4

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-BF081916.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         | 1.655       | 4             | 6           | 14           | rVV      | 764803         | 1336572       | 7.50%           | 1.233%        |
| 2         | 1.770       | 14            | 16          | 58           | rVB      | 7484791        | 17815758      | 100.00%         | 16.438%       |
| 3         | 4.799       | 277           | 281         | 289          | rBV      | 1537172        | 2336080       | 13.11%          | 2.155%        |
| 4         | 5.244       | 317           | 320         | 322          | rBV      | 8133695        | 8929402       | 50.12%          | 8.239%        |
| 5         | 6.307       | 410           | 413         | 415          | rBV      | 8060014        | 9483047       | 53.23%          | 8.750%        |
| 6         | 6.433       | 421           | 424         | 426          | rBV      | 9317269        | 9486617       | 53.25%          | 8.753%        |
| 7         | 6.662       | 442           | 444         | 447          | rBV      | 2444754        | 2258665       | 12.68%          | 2.084%        |
| 8         | 6.822       | 455           | 458         | 460          | rBV      | 8366811        | 7024031       | 39.43%          | 6.481%        |
| 9         | 7.233       | 491           | 494         | 496          | rBV      | 6125306        | 5807478       | 32.60%          | 5.358%        |
| 10        | 7.953       | 554           | 557         | 559          | rBV      | 3607736        | 3038655       | 17.06%          | 2.804%        |
| 11        | 9.039       | 649           | 652         | 654          | rBV      | 9262055        | 10217237      | 57.35%          | 9.427%        |
| 12        | 9.428       | 684           | 686         | 689          | rBV      | 2175830        | 2324147       | 13.05%          | 2.144%        |
| 13        | 9.702       | 708           | 710         | 713          | rBV      | 3920945        | 3362214       | 18.87%          | 3.102%        |
| 14        | 10.159      | 748           | 750         | 751          | rVB      | 255525         | 191107        | 1.07%           | 0.176%        |
| 15        | 10.491      | 776           | 779         | 781          | rBV      | 5456487        | 5658436       | 31.76%          | 5.221%        |
| 16        | 10.628      | 789           | 791         | 798          | rVB      | 305628         | 352517        | 1.98%           | 0.325%        |
| 17        | 11.176      | 837           | 839         | 842          | rBV      | 3530591        | 3342383       | 18.76%          | 3.084%        |
| 18        | 11.736      | 886           | 888         | 891          | rBV2     | 189958         | 209089        | 1.17%           | 0.193%        |
| 19        | 12.776      | 976           | 979         | 982          | rBV      | 8047438        | 8941710       | 50.19%          | 8.250%        |
| 20        | 13.759      | 1063          | 1065        | 1072         | rBV      | 222842         | 567462        | 3.19%           | 0.524%        |
| 21        | 13.874      | 1072          | 1075        | 1077         | rBV      | 2564975        | 3308030       | 18.57%          | 3.052%        |
| 22        | 15.394      | 1205          | 1208        | 1211         | rBV      | 1826195        | 2389592       | 13.41%          | 2.205%        |

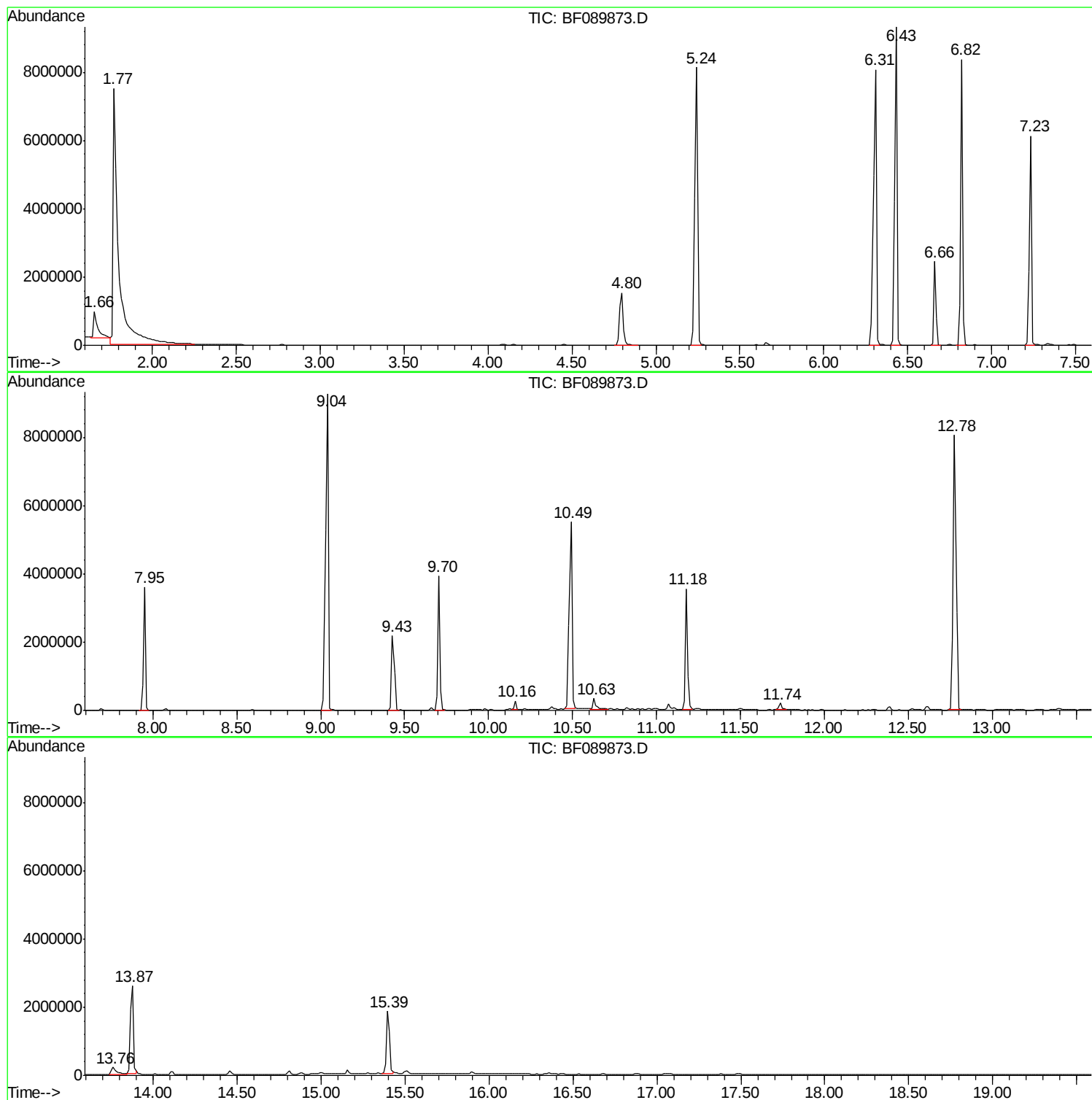
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BNA\_F  
ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081916.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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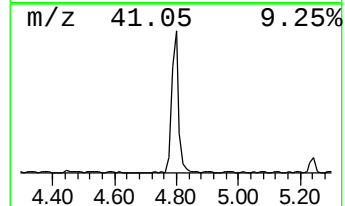
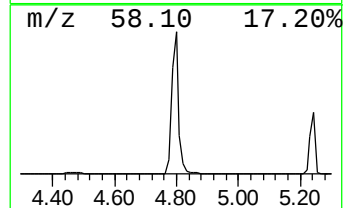
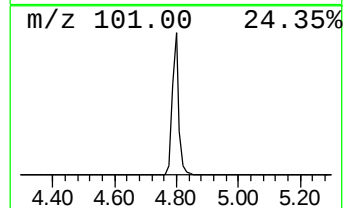
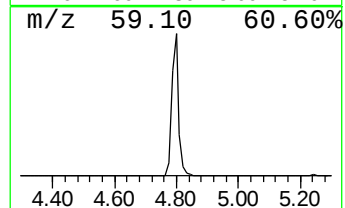
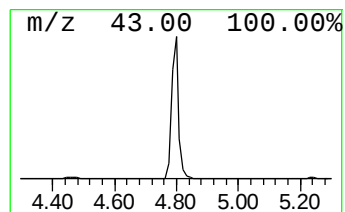
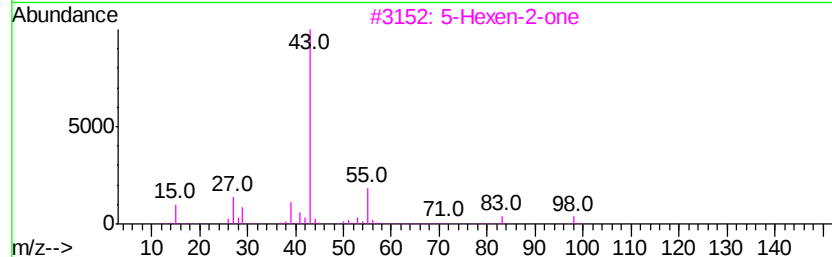
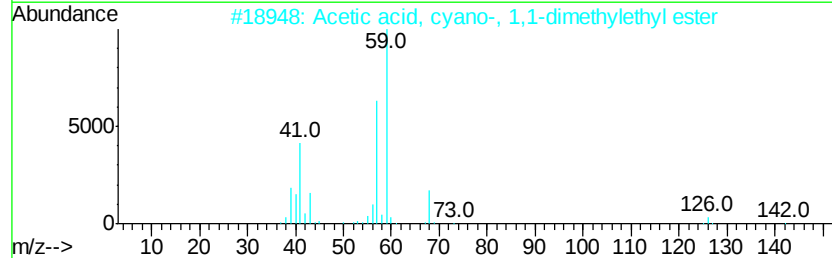
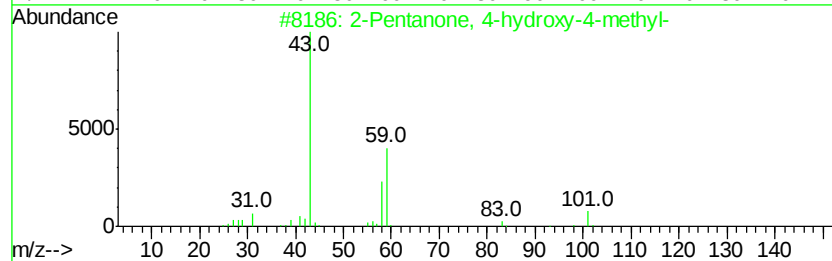
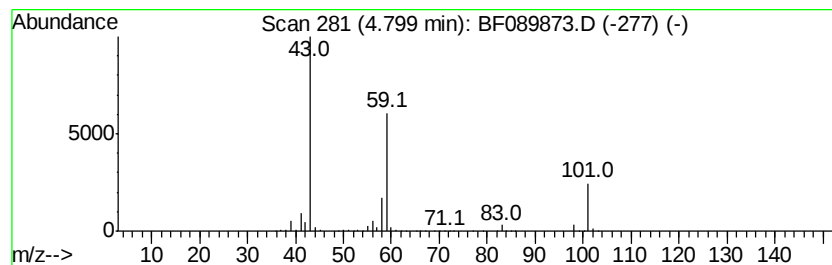
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.80 | 20.69 ng | 2336080 | 1,4-Dichlorobenzene-d4 | 6.66 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 3    |    | 5-Hexen-2-one                        | 98  | C6H10O   | 000109-49-9 | 9    |
| 4    |    | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |
| 5    |    | (+)-4-Amino-4,5-dihydro-2(3H)-f...   | 101 | C4H7NO2  | 016504-58-8 | 9    |



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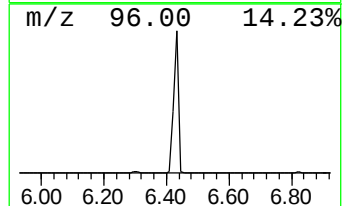
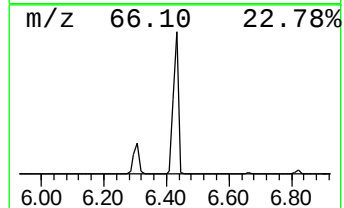
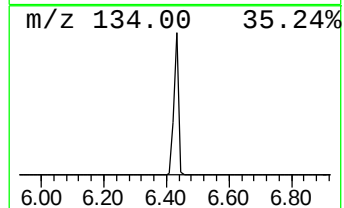
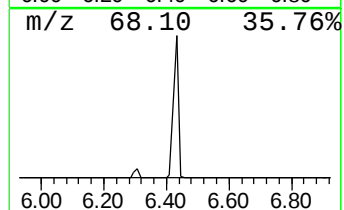
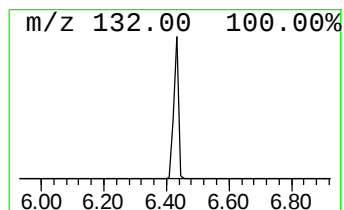
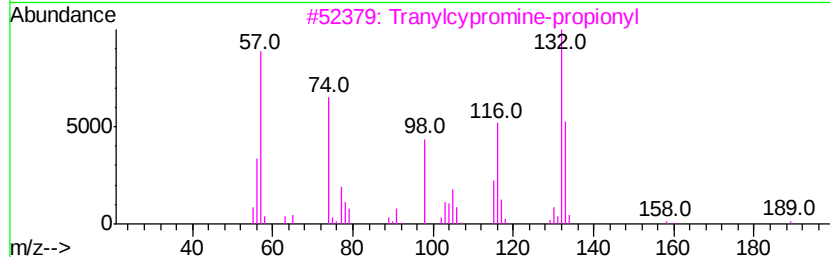
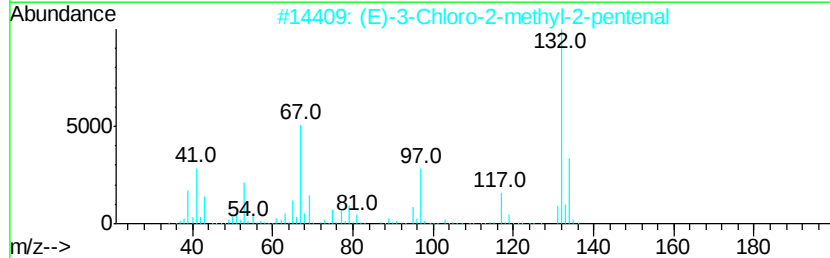
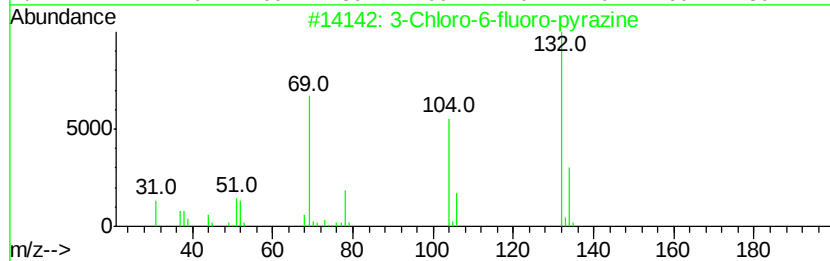
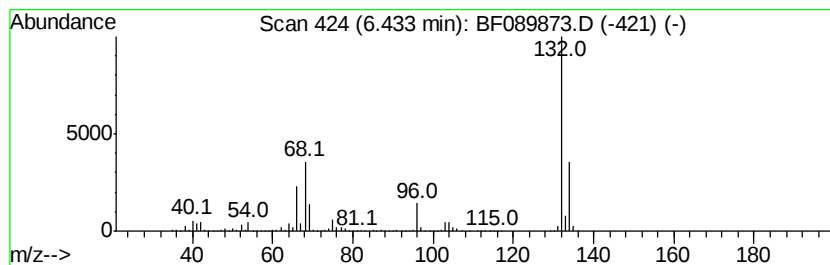
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown6.43 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.43 | 84.00 ng | 9486620 | 1,4-Dichlorobenzene-d4 | 6.66 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 35   |
| 3    |    | Tranvlcypropine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | Amphetaminil                     | 250 | C17H18N2  | 017590-01-1  | 12   |
| 5    |    | Xenon                            | 132 | Xe        | 007440-63-3  | 9    |



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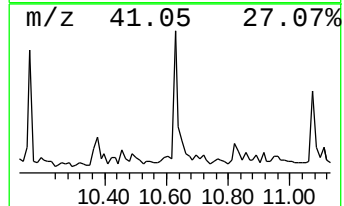
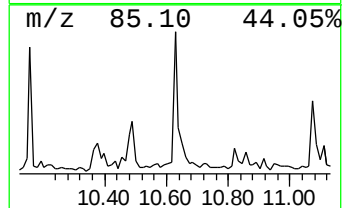
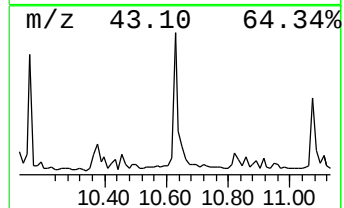
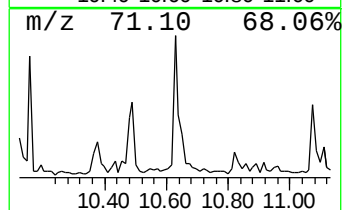
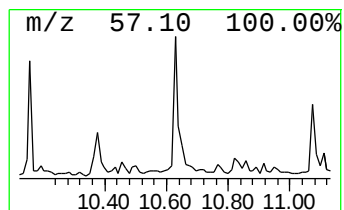
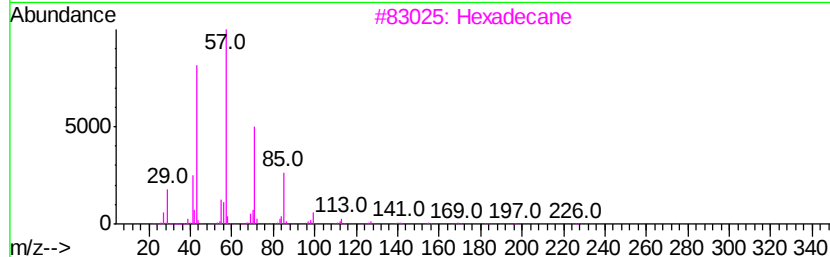
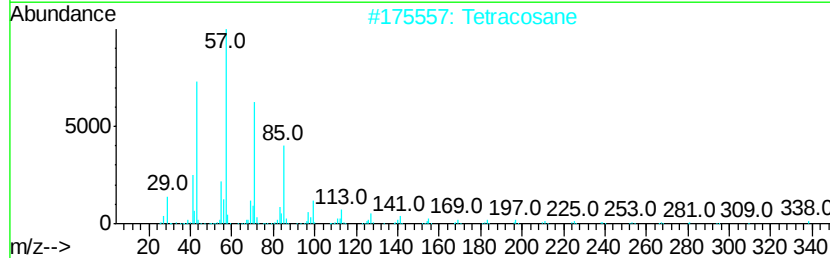
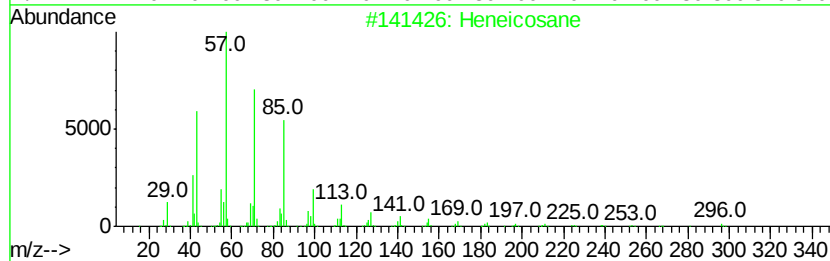
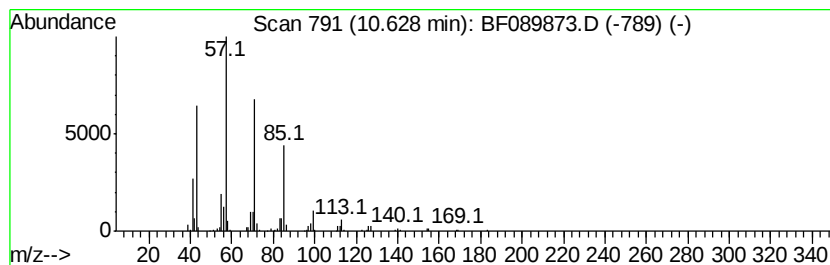
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Peak Number 6 Heneicosane Concentration Rank 7

| R.T.      | EstConc                             | Area   | Relative to ISTD |              | R.T.  |
|-----------|-------------------------------------|--------|------------------|--------------|-------|
| 10.63     | 2.11 ng                             | 352517 | Phenanthrene-d10 |              | 11.18 |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual  |
| 1         | Heneicosane                         | 296    | C21H44           | 000629-94-7  | 90    |
| 2         | Tetracosane                         | 338    | C24H50           | 000646-31-1  | 90    |
| 3         | Hexadecane                          | 226    | C16H34           | 000544-76-3  | 80    |
| 4         | Sulfurous acid, 2-ethylhexyl iso... | 278    | C14H30O3S        | 1000309-19-0 | 80    |
| 5         | Pentadecane                         | 212    | C15H32           | 000629-62-9  | 78    |



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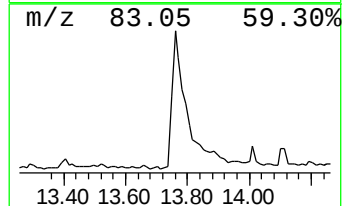
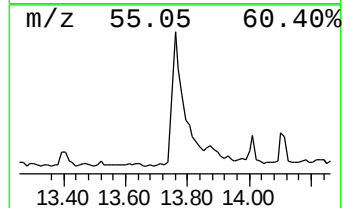
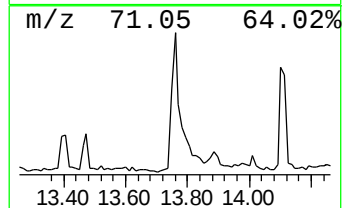
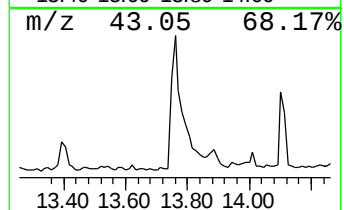
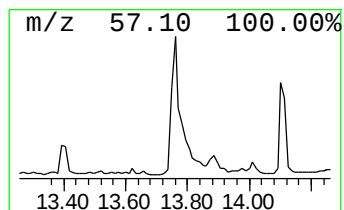
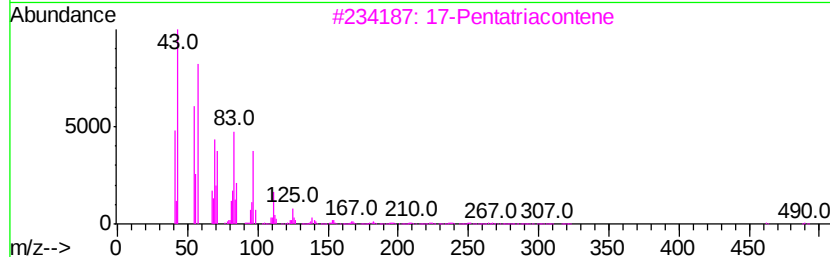
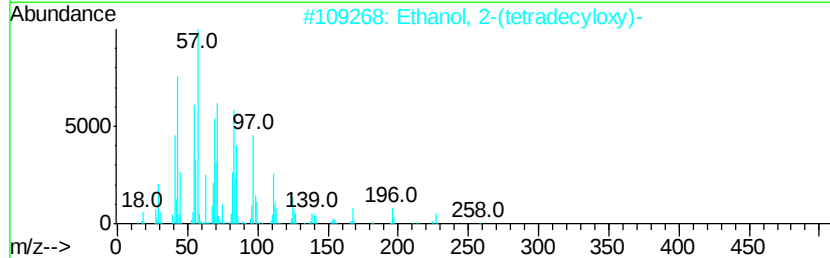
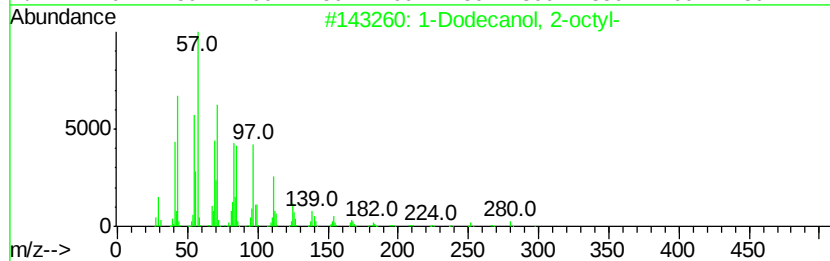
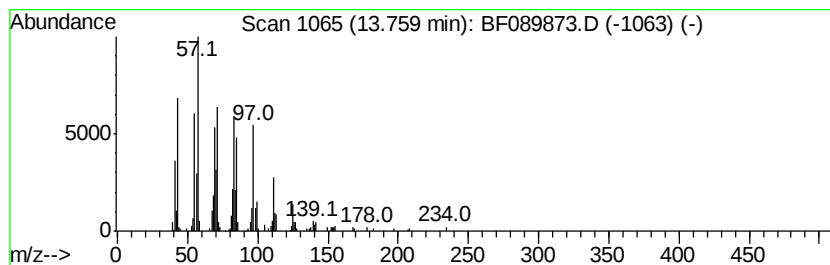
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Peak Number 7 1-Dodecanol, 2-octyl- Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.76 | 3.43 ng | 567462 | Chrysene-d12     | 13.87 |

| Hit# | of | Tentative ID                  | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------|-----|------------|--------------|------|
| 1    | 5  | 1-Dodecanol, 2-octyl-         | 298 | C20H42O    | 005333-42-6  | 91   |
| 2    |    | Ethanol, 2-(tetradecyloxy)-   | 258 | C16H34O2   | 002136-70-1  | 91   |
| 3    |    | 17-Pentatriacontene           | 491 | C35H70     | 006971-40-0  | 83   |
| 4    |    | Heneicosyl heptafluorobutyrat | 508 | C25H43F7O2 | 1000351-83-8 | 83   |
| 5    |    | Heptadecyl trifluoroacetate   | 352 | C19H35F3O2 | 1000351-87-0 | 76   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 4.80  | 20.7    | ng    | 2336080  | 1                     | 6.66  | 2258670 | 20.0 |
| unknown6.43          | 6.43  | 84.0    | ng    | 9486620  | 1                     | 6.66  | 2258670 | 20.0 |
| Heneicosane          | 10.63 | 2.1     | ng    | 352517   | 4                     | 11.18 | 3342380 | 20.0 |
| 1-Dodecanol, 2-oc... | 13.76 | 3.4     | ng    | 567462   | 5                     | 13.87 | 3308030 | 20.0 |