

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\  
 Data File : BF099628.D  
 Acq On : 18 Oct 2017 20:19  
 Operator : SJ/JU  
 Sample : I5942-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SOIL-1-2

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-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         | 5.051       | 501           | 504         | 519          | rBV      | 246030         | 317255        | 14.61%          | 1.808%        |
| 2         | 5.457       | 569           | 573         | 594          | rBV      | 1840446        | 1789086       | 82.41%          | 10.194%       |
| 3         | 6.469       | 741           | 745         | 758          | rBV      | 1702763        | 1832738       | 84.42%          | 10.443%       |
| 4         | 6.598       | 763           | 767         | 771          | rBV      | 2037635        | 1860160       | 85.69%          | 10.599%       |
| 5         | 6.828       | 802           | 806         | 813          | rBV      | 661849         | 564983        | 26.03%          | 3.219%        |
| 6         | 6.981       | 828           | 832         | 836          | rBV      | 1710798        | 1490113       | 68.64%          | 8.491%        |
| 7         | 7.392       | 898           | 902         | 905          | rBV      | 1246999        | 1103309       | 50.82%          | 6.287%        |
| 8         | 8.104       | 1020          | 1023        | 1035         | rBV      | 846661         | 776835        | 35.78%          | 4.427%        |
| 9         | 9.181       | 1201          | 1206        | 1209         | rBV      | 2508048        | 2170915       | 100.00%         | 12.370%       |
| 10        | 9.575       | 1270          | 1273        | 1279         | rBB      | 53146          | 40368         | 1.86%           | 0.230%        |
| 11        | 9.863       | 1318          | 1322        | 1326         | rBV      | 891664         | 823005        | 37.91%          | 4.690%        |
| 12        | 10.651      | 1452          | 1456        | 1470         | rBV      | 1178411        | 1046863       | 48.22%          | 5.965%        |
| 13        | 11.351      | 1571          | 1575        | 1578         | rBV      | 794074         | 733692        | 33.80%          | 4.181%        |
| 14        | 12.563      | 1778          | 1781        | 1787         | rVB      | 57370          | 44267         | 2.04%           | 0.252%        |
| 15        | 12.792      | 1814          | 1820        | 1823         | rBV      | 56123          | 54455         | 2.51%           | 0.310%        |
| 16        | 12.927      | 1839          | 1843        | 1847         | rBV      | 1685247        | 1509541       | 69.53%          | 8.602%        |
| 17        | 13.810      | 1988          | 1993        | 2006         | rBV2     | 107259         | 147181        | 6.78%           | 0.839%        |
| 18        | 13.992      | 2019          | 2024        | 2027         | rBV      | 542072         | 522346        | 24.06%          | 2.976%        |
| 19        | 14.016      | 2027          | 2028        | 2036         | rVB3     | 24589          | 35997         | 1.66%           | 0.205%        |
| 20        | 15.033      | 2197          | 2201        | 2203         | rBV      | 19787          | 25670         | 1.18%           | 0.146%        |
| 21        | 15.398      | 2259          | 2263        | 2266         | rBV      | 21585          | 24833         | 1.14%           | 0.142%        |
| 22        | 15.457      | 2266          | 2273        | 2284         | rVB      | 422273         | 551365        | 25.40%          | 3.142%        |
| 23        | 15.815      | 2329          | 2334        | 2335         | rBV4     | 16269          | 24782         | 1.14%           | 0.141%        |
| 24        | 16.033      | 2367          | 2371        | 2380         | rVB9     | 13378          | 29452         | 1.36%           | 0.168%        |
| 25        | 16.933      | 2518          | 2524        | 2530         | rBV4     | 16197          | 30390         | 1.40%           | 0.173%        |

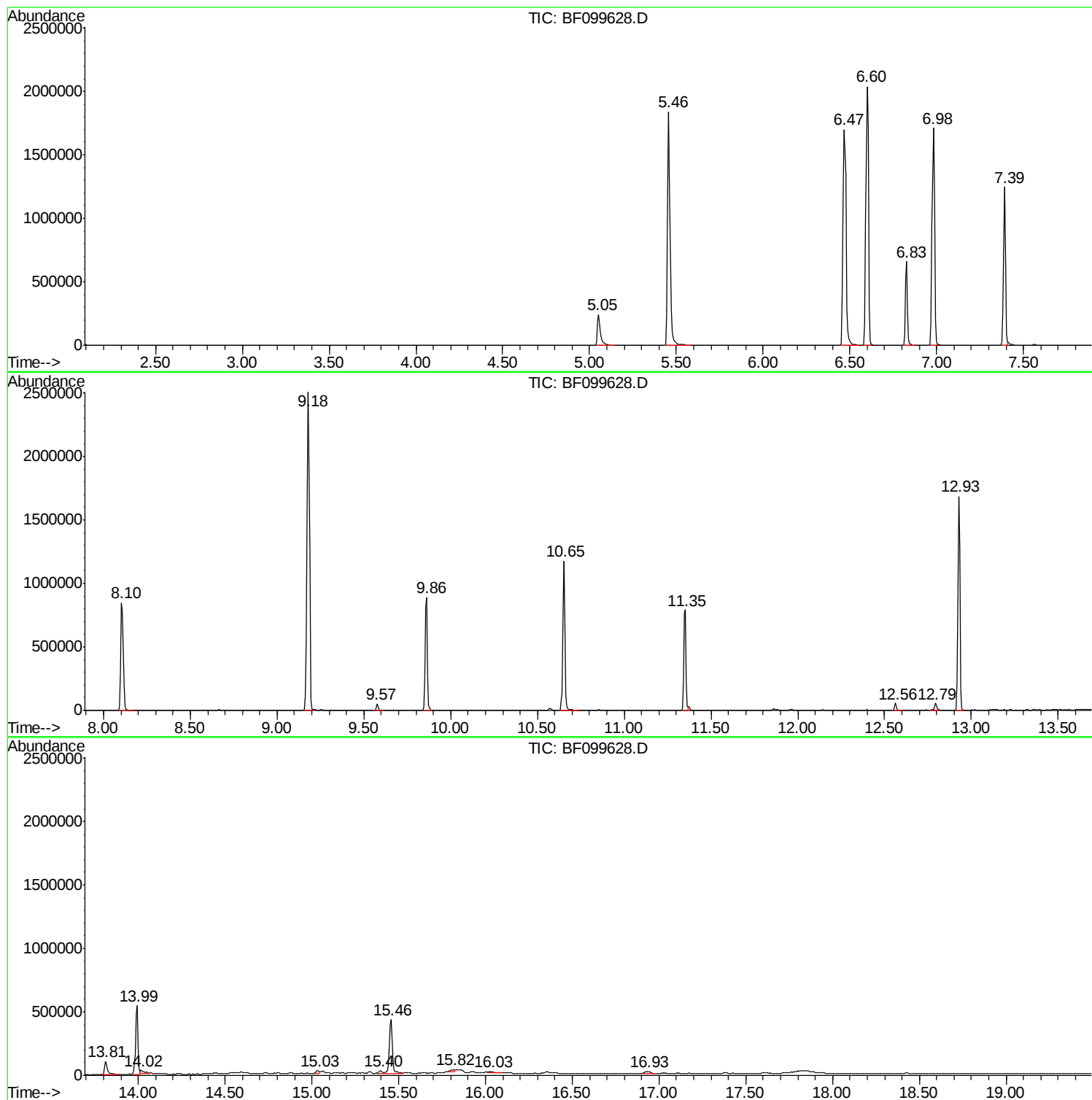
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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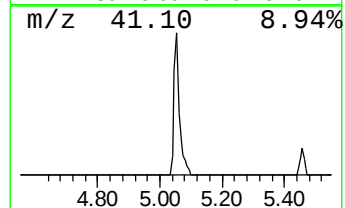
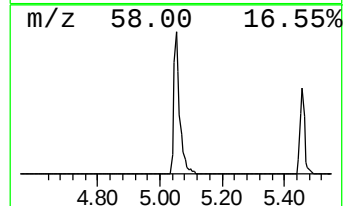
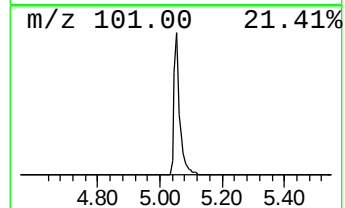
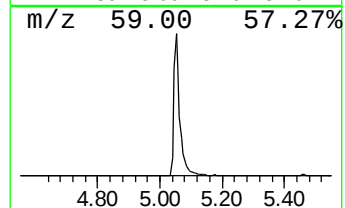
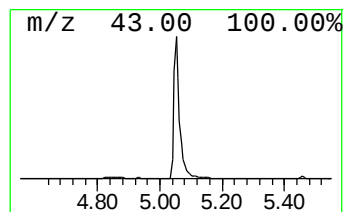
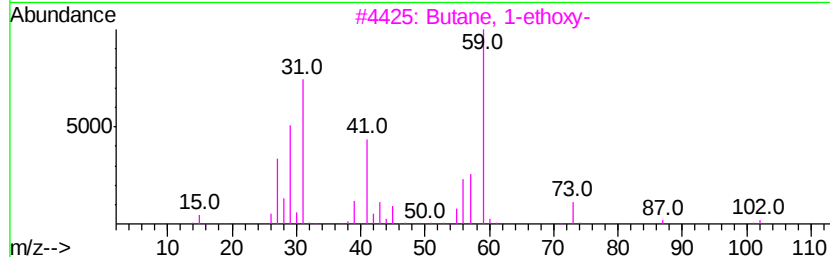
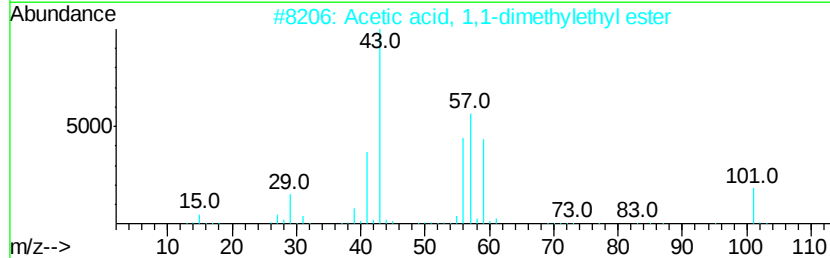
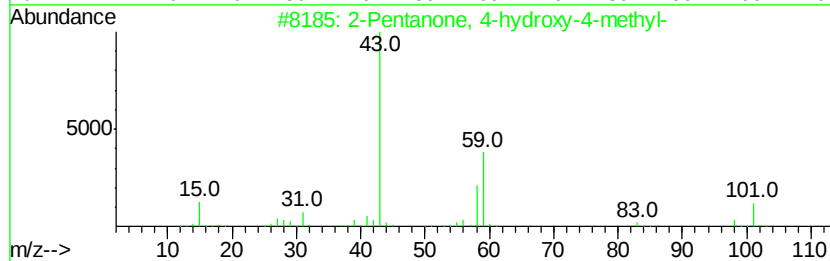
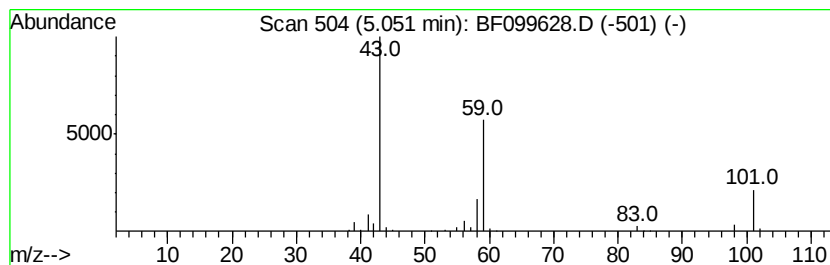
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TIC Integration Parameters: LSCINT.P

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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. |
|------|----------|--------|------------------------|------|
| 5.05 | 11.23 ng | 317255 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    |   | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39   |
| 3    |    |   | Butane, 1-ethoxy-                   | 102 | C6H14O  | 000628-81-9 | 9    |
| 4    |    |   | (+)-4-Amino-4,5-dihydro-2(3H)-f...  | 101 | C4H7NO2 | 016504-58-8 | 9    |
| 5    |    |   | Acetone                             | 58  | C3H6O   | 000067-64-1 | 9    |



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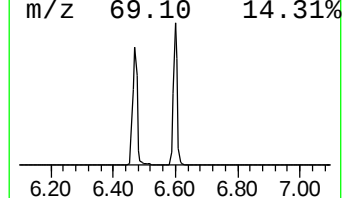
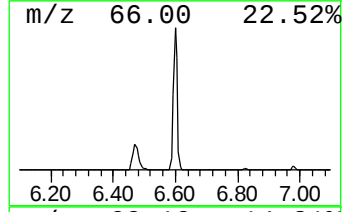
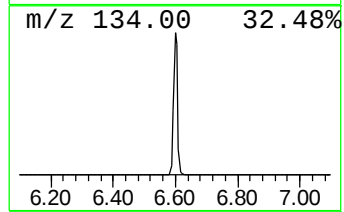
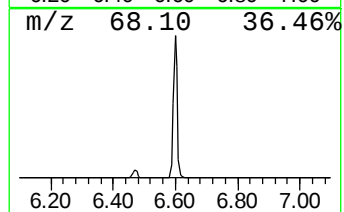
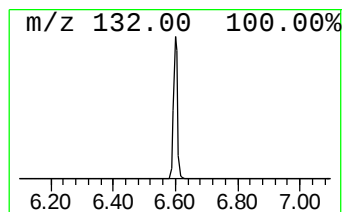
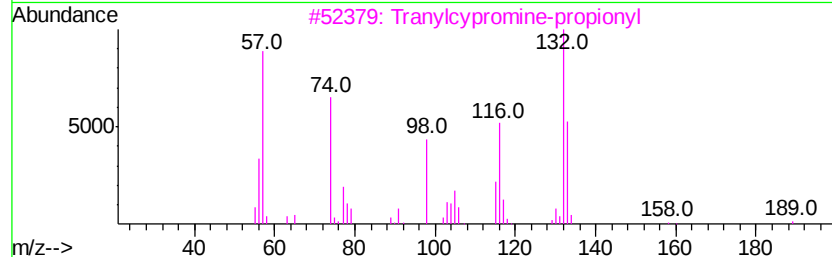
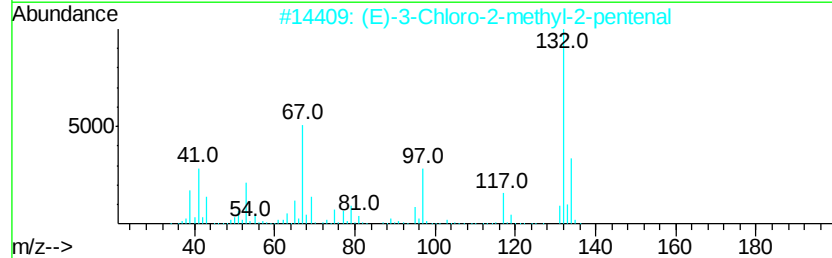
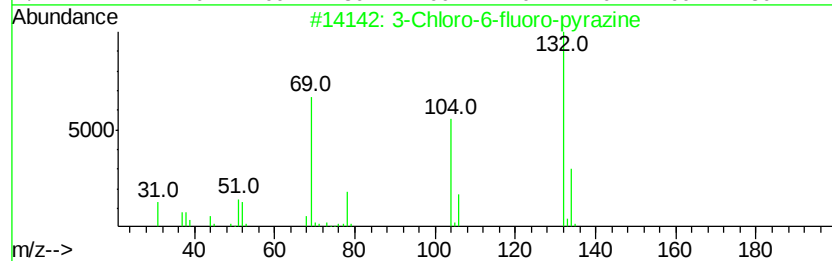
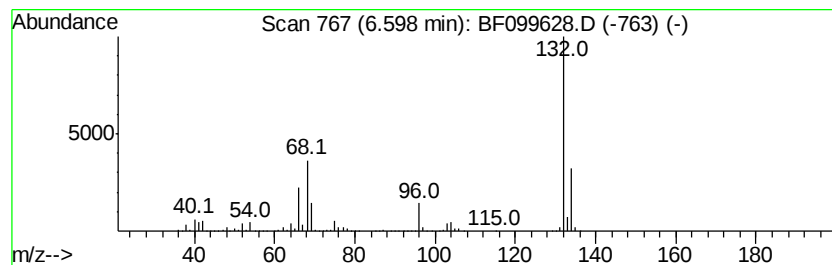
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Peak Number 2 unknown6.60 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.60 | 65.85 ng | 1860160 | 1,4-Dichlorobenzene-d4 | 6.83 |

| 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  | 17   |
| 3    |    | Tranvlcypropine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 5    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



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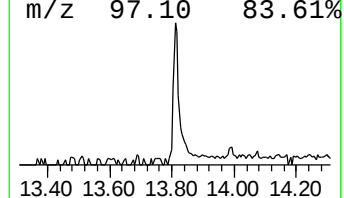
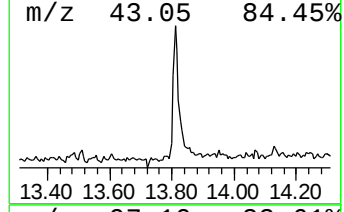
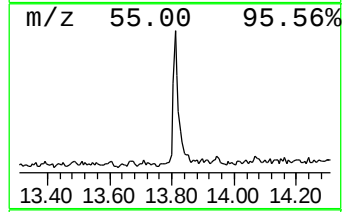
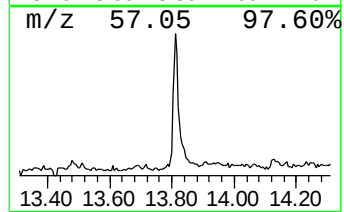
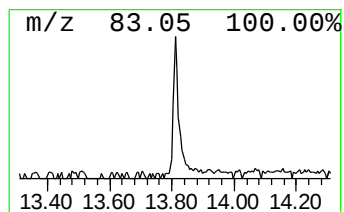
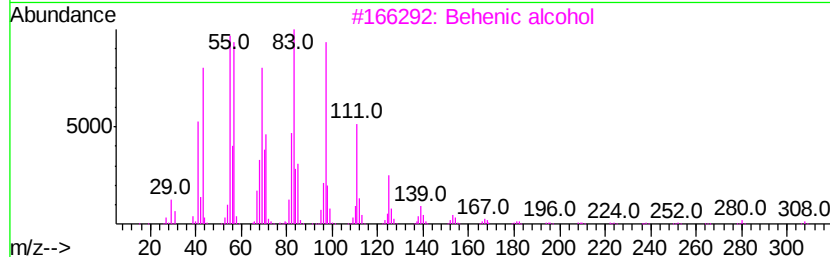
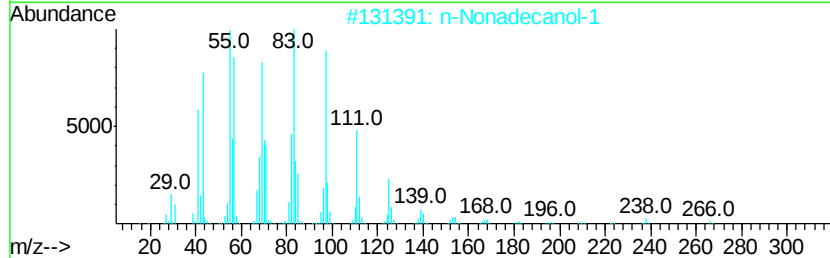
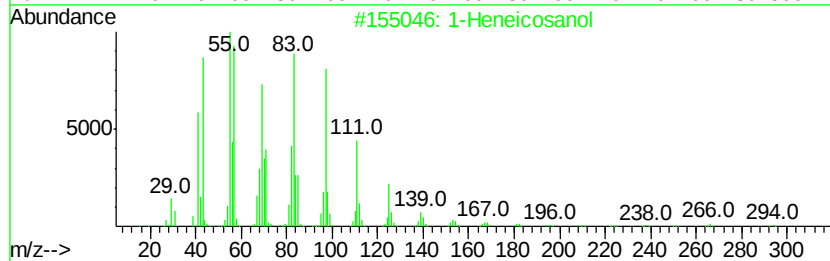
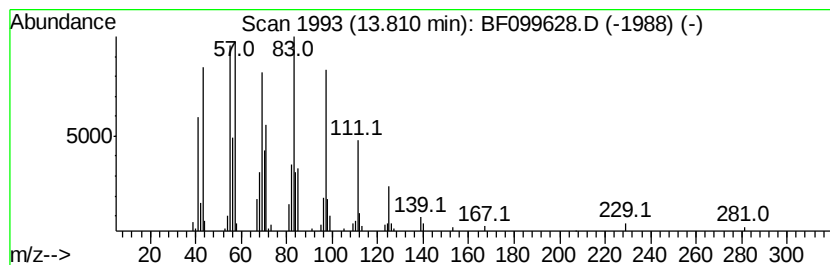
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Peak Number 5 1-Heneicosanol Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.81 | 5.64 ng | 147181 | Chrysene-d12     | 13.99 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|---------|---|-------------------------------------|-----|------------|-------------|------|
| 1       |   | 1-Heneicosanol                      | 312 | C21H44O    | 015594-90-8 | 95   |
| 2       |   | n-Nonadecanol-1                     | 284 | C19H40O    | 001454-84-8 | 94   |
| 3       |   | Behenic alcohol                     | 326 | C22H46O    | 000661-19-8 | 94   |
| 4       |   | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 94   |
| 5       |   | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 94   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.05  | 11.2    | ng    | 317255   | 1                     | 6.83  | 564983 | 20.0 |
| unknown6.60          | 6.60  | 65.8    | ng    | 1860160  | 1                     | 6.83  | 564983 | 20.0 |
| 1-Heneicosanol       | 13.81 | 5.6     | ng    | 147181   | 5                     | 13.99 | 522346 | 20.0 |