

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062018\  
 Data File : BF106637.D  
 Acq On : 20 Jun 2018 23:16  
 Operator : JU/SJ  
 Sample : J3554-06  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 A-5(2.5)

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061918.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         | 5.207       | 484           | 488         | 497          | rBV      | 176079         | 231788        | 9.55%           | 1.062%        |
| 2         | 5.613       | 553           | 557         | 560          | rBV      | 2177382        | 2194407       | 90.38%          | 10.051%       |
| 3         | 6.613       | 722           | 727         | 730          | rBV      | 2167228        | 2292341       | 94.41%          | 10.500%       |
| 4         | 6.743       | 744           | 749         | 752          | rBV      | 2370964        | 2293174       | 94.44%          | 10.504%       |
| 5         | 6.960       | 782           | 786         | 789          | rBV      | 741192         | 562701        | 23.17%          | 2.577%        |
| 6         | 7.119       | 808           | 813         | 816          | rBV      | 1984870        | 1776345       | 73.16%          | 8.136%        |
| 7         | 7.525       | 877           | 882         | 885          | rBV      | 1505495        | 1620851       | 66.76%          | 7.424%        |
| 8         | 8.242       | 1000          | 1004        | 1007         | rBV      | 885261         | 714740        | 29.44%          | 3.274%        |
| 9         | 9.319       | 1182          | 1187        | 1190         | rBV      | 2634562        | 2428055       | 100.00%         | 11.121%       |
| 10        | 9.707       | 1249          | 1253        | 1258         | rVB      | 384952         | 290762        | 11.98%          | 1.332%        |
| 11        | 9.913       | 1284          | 1288        | 1292         | rBV      | 42381          | 37083         | 1.53%           | 0.170%        |
| 12        | 10.001      | 1299          | 1303        | 1307         | rBV      | 986636         | 827891        | 34.10%          | 3.792%        |
| 13        | 10.131      | 1322          | 1325        | 1330         | rBV      | 69136          | 66576         | 2.74%           | 0.305%        |
| 14        | 10.413      | 1370          | 1373        | 1375         | rVB      | 70324          | 53005         | 2.18%           | 0.243%        |
| 15        | 10.507      | 1386          | 1389        | 1393         | rBV2     | 26270          | 25415         | 1.05%           | 0.116%        |
| 16        | 10.795      | 1433          | 1438        | 1441         | rBV      | 1825429        | 1737660       | 71.57%          | 7.959%        |
| 17        | 10.883      | 1450          | 1453        | 1458         | rBV      | 66623          | 61745         | 2.54%           | 0.283%        |
| 18        | 11.330      | 1526          | 1529        | 1532         | rBV      | 29917          | 27117         | 1.12%           | 0.124%        |
| 19        | 11.489      | 1553          | 1556        | 1560         | rBV      | 860690         | 806367        | 33.21%          | 3.693%        |
| 20        | 13.077      | 1822          | 1826        | 1829         | rBV      | 2336942        | 2187179       | 90.08%          | 10.018%       |
| 21        | 13.954      | 1972          | 1975        | 1982         | rBV      | 196423         | 185123        | 7.62%           | 0.848%        |
| 22        | 14.142      | 2003          | 2007        | 2014         | rBV      | 769866         | 690244        | 28.43%          | 3.162%        |
| 23        | 14.601      | 2081          | 2085        | 2088         | rBV3     | 41600          | 53236         | 2.19%           | 0.244%        |
| 24        | 15.677      | 2263          | 2268        | 2276         | rVB      | 516330         | 668301        | 27.52%          | 3.061%        |

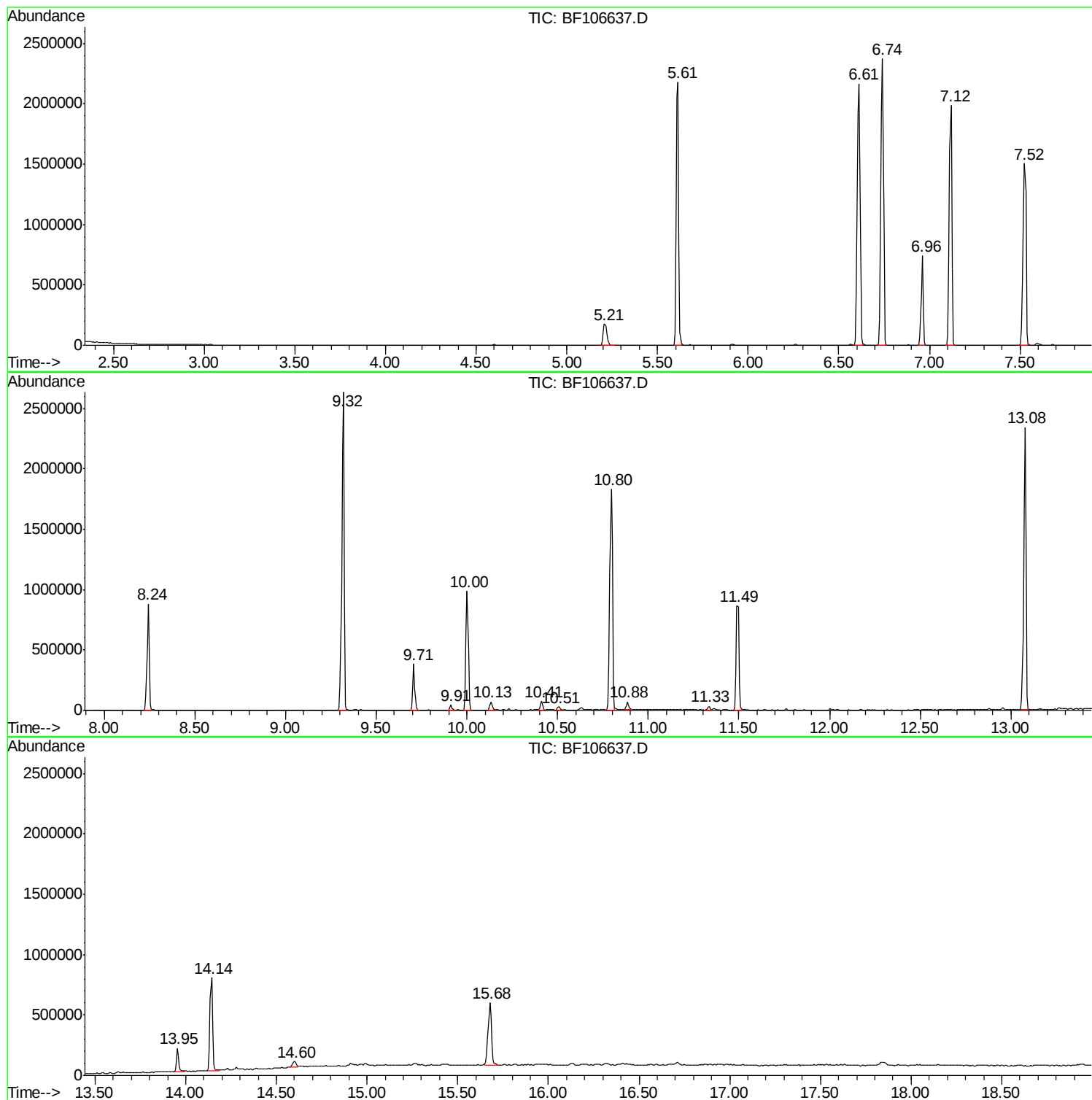
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A-5(2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.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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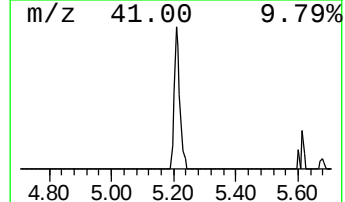
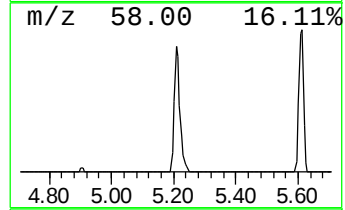
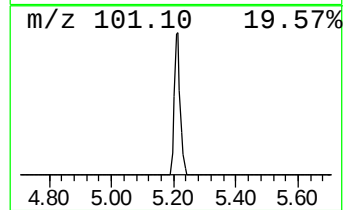
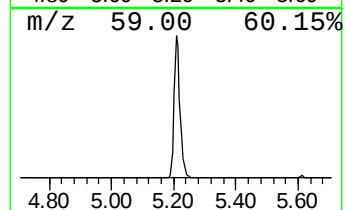
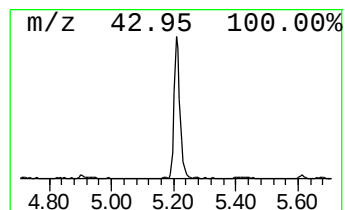
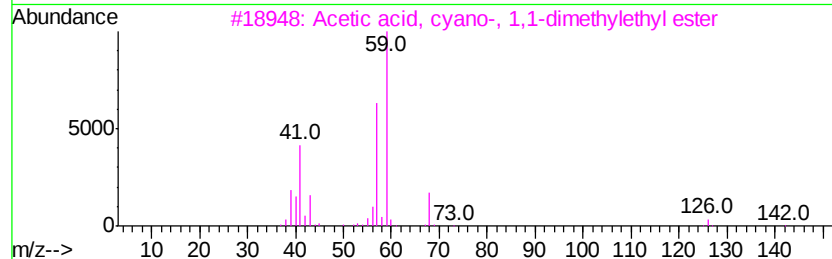
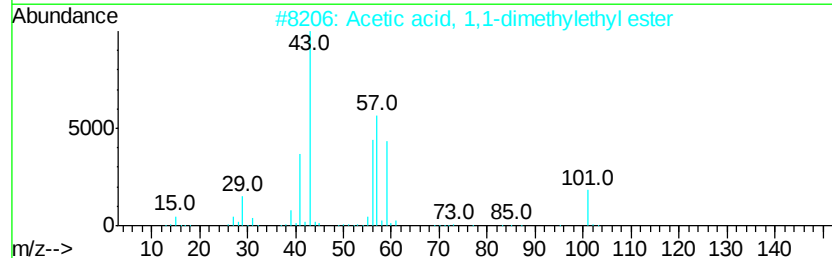
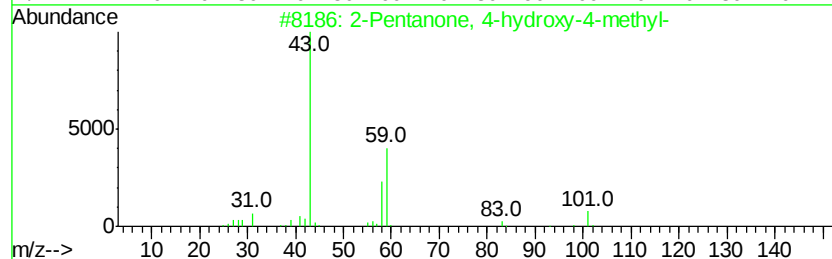
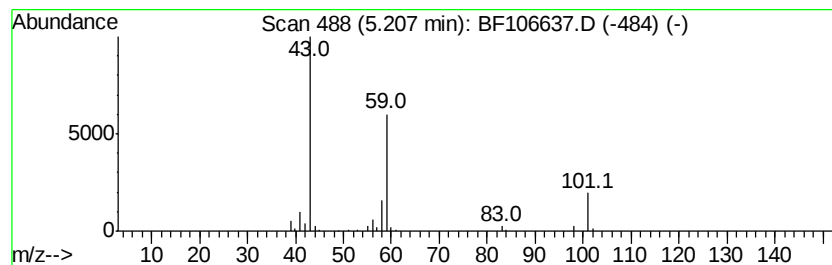
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|---------|--------|------------------------|------|
| 5.21 | 8.24 ng | 231788 | 1,4-Dichlorobenzene-d4 | 6.96 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 56   |
| 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 | 17   |
| 4    |    |   | Butane, 1-ethoxy-                   | 102 | C6H14O   | 000628-81-9 | 9    |
| 5    |    |   | Morpholine, 4-methyl-               | 101 | C5H11NO  | 000109-02-4 | 9    |



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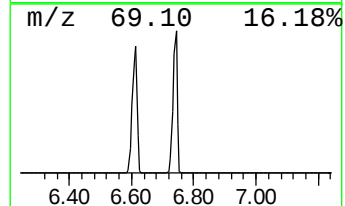
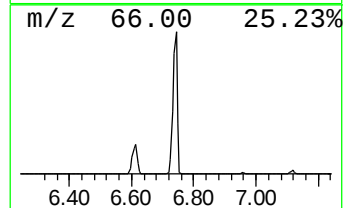
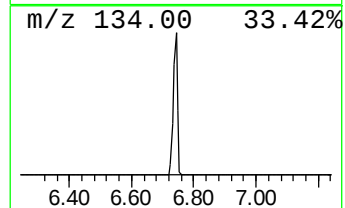
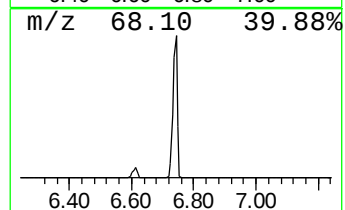
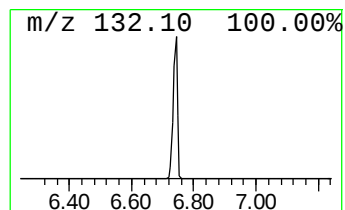
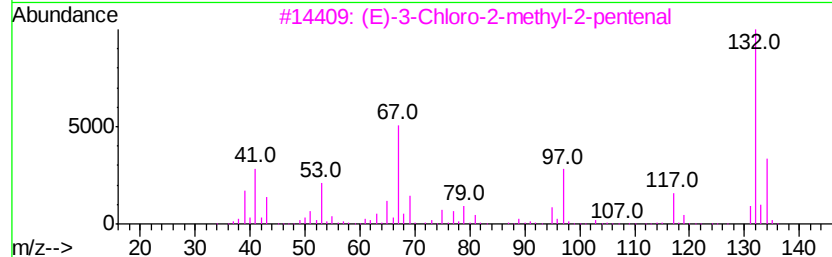
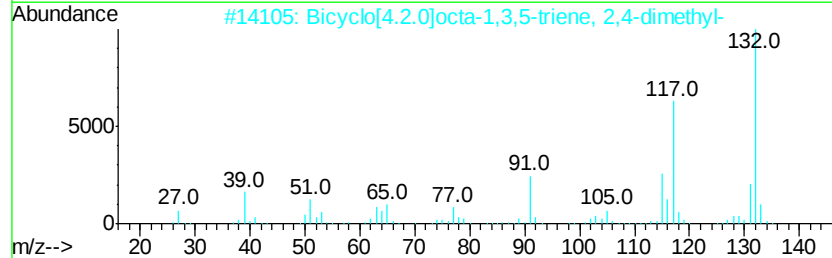
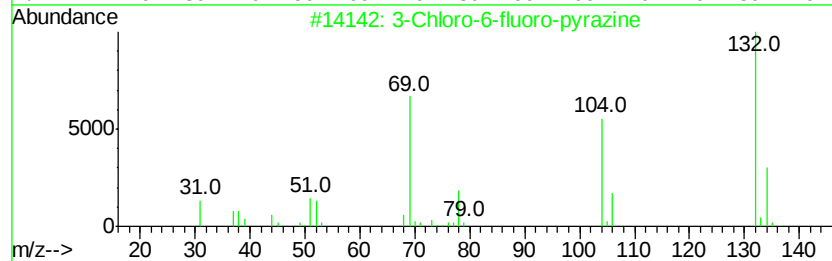
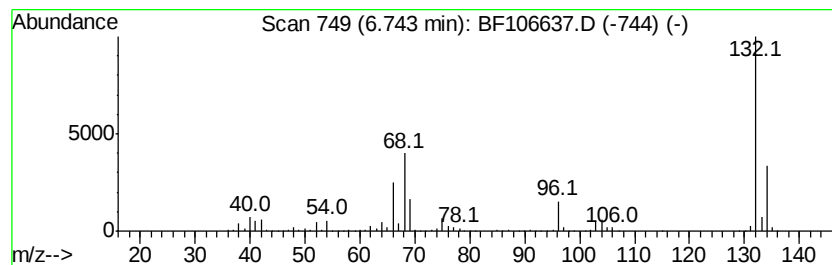
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.74 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.74 | 81.51 ng | 2293170 | 1,4-Dichlorobenzene-d4 | 6.96 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 3    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 9    |
| 4    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 5    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



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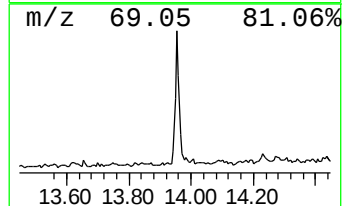
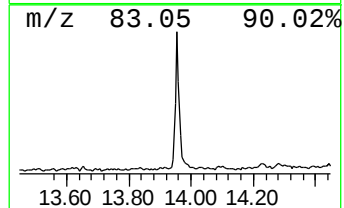
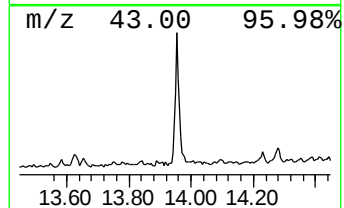
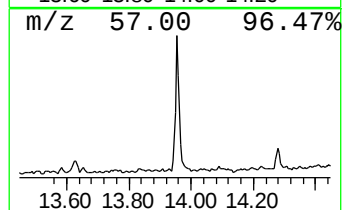
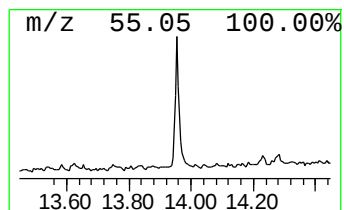
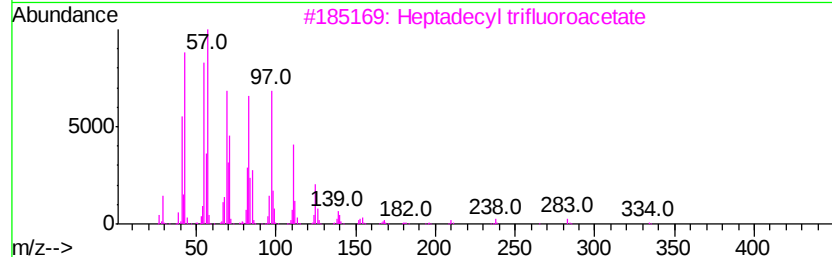
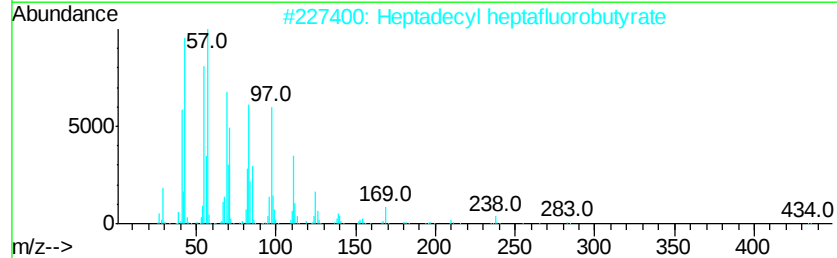
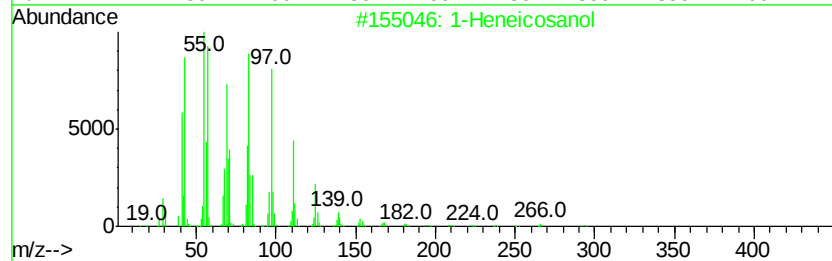
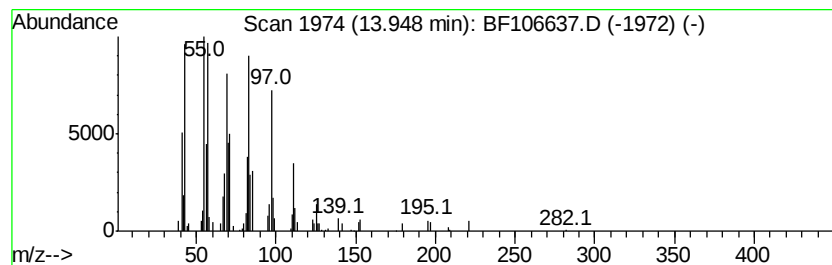
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Peak Number 4 1-Heneicosanol Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.95 | 5.36 ng | 185123 | Chrysene-d12     | 14.14 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm    | CAS#         | Qual |
|---------|-------------------------------------|--------------|-----|------------|--------------|------|
| 1       | 1-Heneicosanol                      |              | 312 | C21H44O    | 015594-90-8  | 95   |
| 2       | Heptadecyl heptafluorobutyrte       |              | 452 | C21H35F7O2 | 959085-66-6  | 95   |
| 3       | Heptadecyl trifluoroacetate         |              | 352 | C19H35F3O2 | 1000351-87-0 | 93   |
| 4       | Trifluoroacetoxv hexadecane         |              | 338 | C18H33F3O2 | 006222-03-3  | 93   |
| 5       | Pentafluoropropionic acid, hepta... |              | 402 | C20H35F5O2 | 959218-78-1  | 93   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.21  | 8.2     | ng    | 231788   | 1                     | 6.96  | 562701 | 20.0 |
| unknown6.74          | 6.74  | 81.5    | ng    | 2293170  | 1                     | 6.96  | 562701 | 20.0 |
| 1-Heneicosanol       | 13.95 | 5.4     | ng    | 185123   | 5                     | 14.14 | 690244 | 20.0 |