

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012918\  
 Data File : BF102620.D  
 Acq On : 30 Jan 2018 1:47  
 Operator : SJ/JU  
 Sample : J1353-06  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-106-5(65-67)

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-BF012218.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         | 4.916       | 477           | 481         | 492          | rBV      | 85356          | 129241        | 3.68%           | 0.447%        |
| 2         | 5.328       | 547           | 551         | 574          | rBV      | 3181611        | 3338947       | 94.99%          | 11.542%       |
| 3         | 6.363       | 722           | 727         | 744          | rBV      | 3192980        | 3514905       | 100.00%         | 12.150%       |
| 4         | 6.486       | 744           | 748         | 751          | rBV      | 3661787        | 3333295       | 94.83%          | 11.522%       |
| 5         | 6.710       | 783           | 786         | 795          | rBV      | 1132120        | 986800        | 28.07%          | 3.411%        |
| 6         | 6.869       | 809           | 813         | 816          | rBV      | 2716603        | 2514331       | 71.53%          | 8.691%        |
| 7         | 7.281       | 879           | 883         | 903          | rBV      | 2208379        | 2192995       | 62.39%          | 7.581%        |
| 8         | 7.992       | 1001          | 1004        | 1016         | rBV      | 1172459        | 1185754       | 33.74%          | 4.099%        |
| 9         | 9.069       | 1183          | 1187        | 1198         | rBV      | 3428762        | 3232690       | 91.97%          | 11.174%       |
| 10        | 9.469       | 1251          | 1255        | 1262         | rBV      | 341558         | 358602        | 10.20%          | 1.240%        |
| 11        | 9.674       | 1287          | 1290        | 1293         | rBV      | 51008          | 43635         | 1.24%           | 0.151%        |
| 12        | 9.745       | 1299          | 1302        | 1315         | rVB      | 1302784        | 1206344       | 34.32%          | 4.170%        |
| 13        | 10.169      | 1371          | 1374        | 1377         | rVB2     | 67298          | 61784         | 1.76%           | 0.214%        |
| 14        | 10.463      | 1420          | 1424        | 1430         | rBV      | 56565          | 56422         | 1.61%           | 0.195%        |
| 15        | 10.539      | 1433          | 1437        | 1452         | rVV      | 1628805        | 1655222       | 47.09%          | 5.722%        |
| 16        | 10.645      | 1452          | 1455        | 1464         | rVB      | 42982          | 54735         | 1.56%           | 0.189%        |
| 17        | 11.233      | 1551          | 1555        | 1565         | rBV      | 1024630        | 1019566       | 29.01%          | 3.524%        |
| 18        | 12.633      | 1789          | 1793        | 1797         | rBV2     | 60559          | 56145         | 1.60%           | 0.194%        |
| 19        | 12.815      | 1820          | 1824        | 1828         | rBV      | 2181696        | 2111207       | 60.06%          | 7.298%        |
| 20        | 13.710      | 1972          | 1976        | 1992         | rBV      | 124935         | 212902        | 6.06%           | 0.736%        |
| 21        | 13.874      | 2000          | 2004        | 2014         | rBV      | 792275         | 783508        | 22.29%          | 2.708%        |
| 22        | 14.698      | 2140          | 2144        | 2148         | rBV      | 82455          | 83112         | 2.36%           | 0.287%        |
| 23        | 15.304      | 2243          | 2247        | 2256         | rBV      | 570446         | 797097        | 22.68%          | 2.755%        |

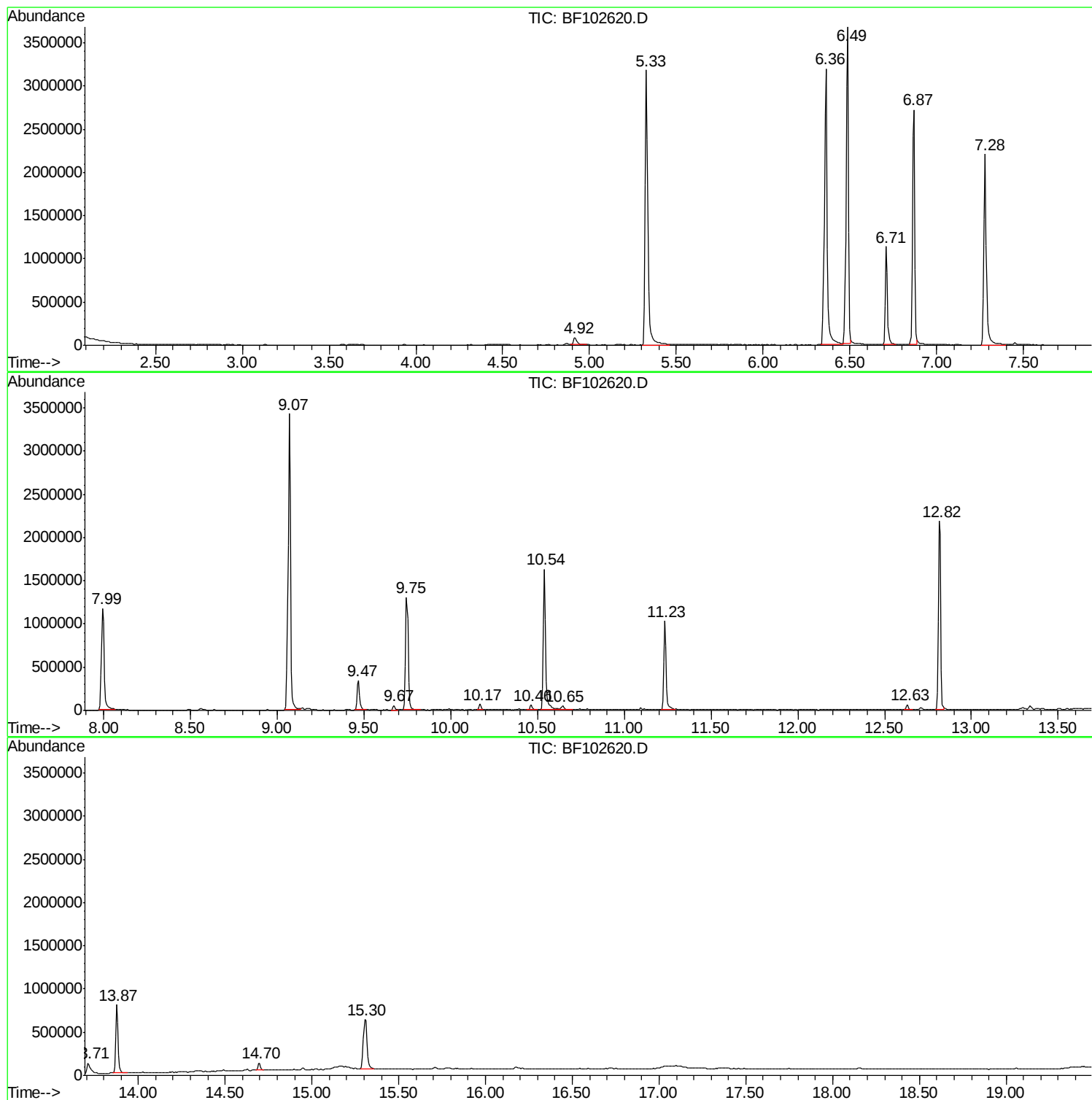
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ClientSampleId :  
EPE-106-5(65-67)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.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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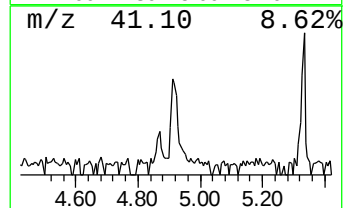
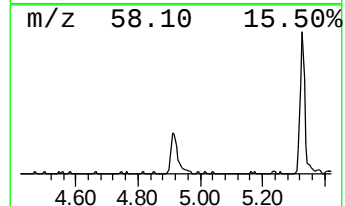
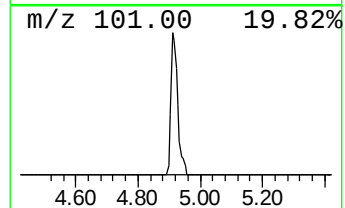
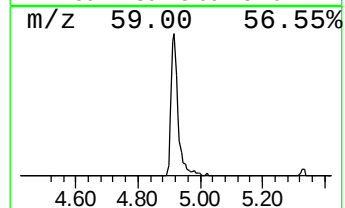
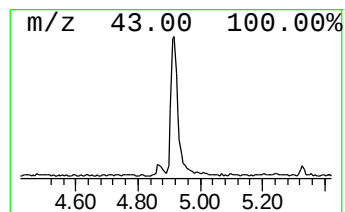
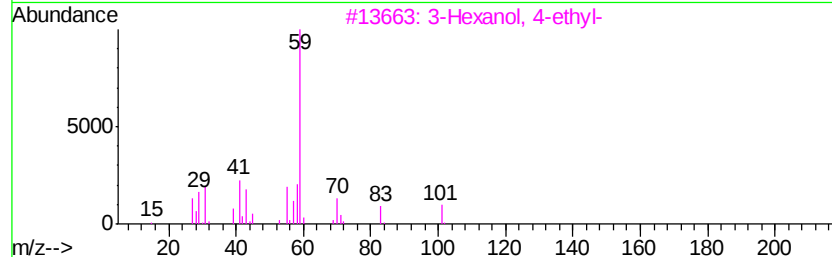
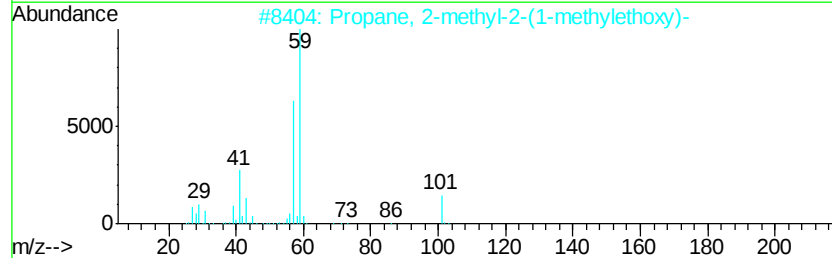
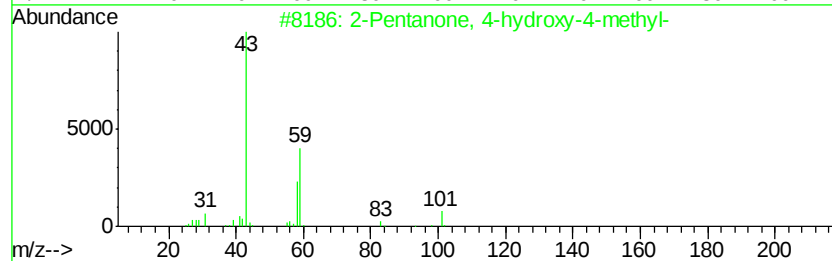
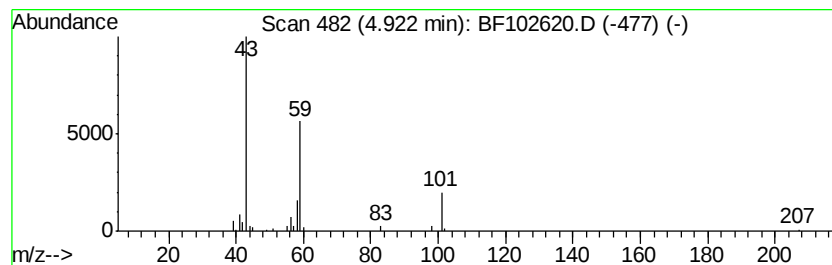
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.92 | 2.62 ng | 129241 | 1,4-Dichlorobenzene-d4 | 6.71 |

| 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 | 36   |
| 3    |    | 3-Hexanol, 4-ethyl-                 | 130 | C8H18O   | 019780-44-0 | 33   |
| 4    |    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 5    |    | Propane, 2-ethoxy-2-methyl-         | 102 | C6H14O   | 000637-92-3 | 23   |



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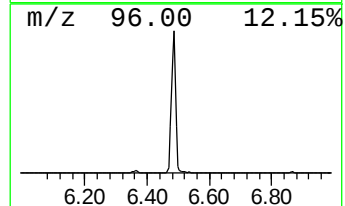
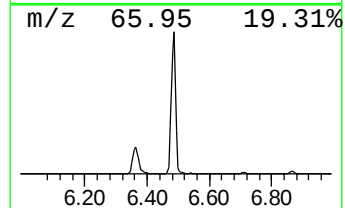
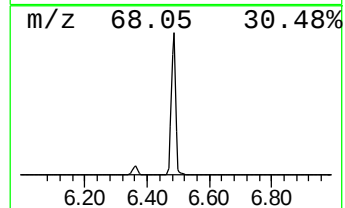
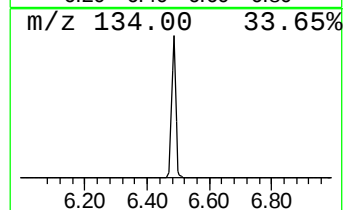
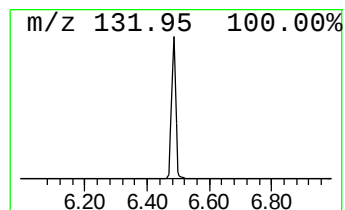
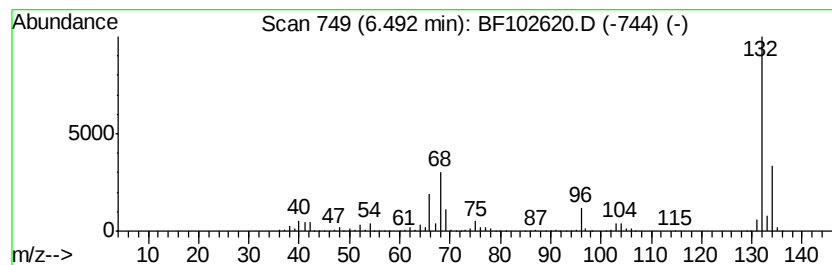
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.49 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.49 | 67.56 ng | 3333300 | 1,4-Dichlorobenzene-d4 | 6.71 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |
| 5    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 9    |



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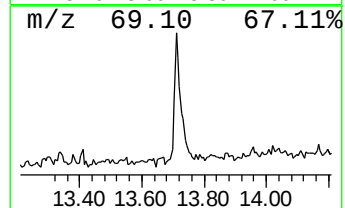
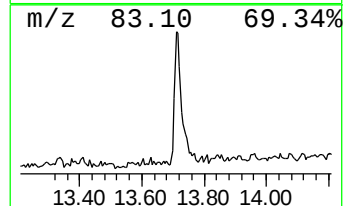
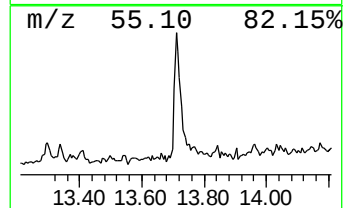
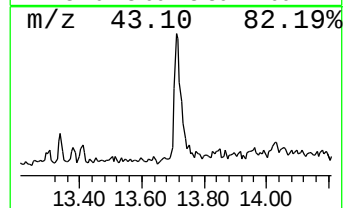
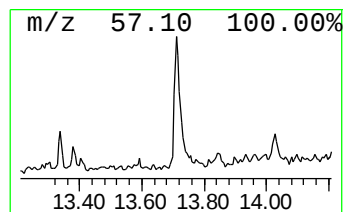
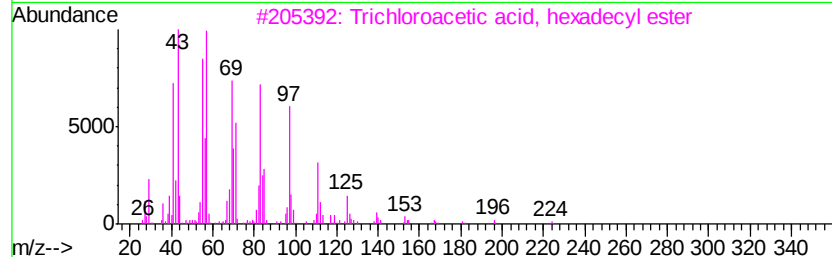
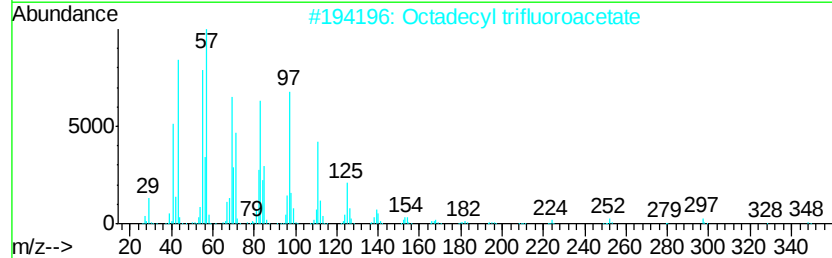
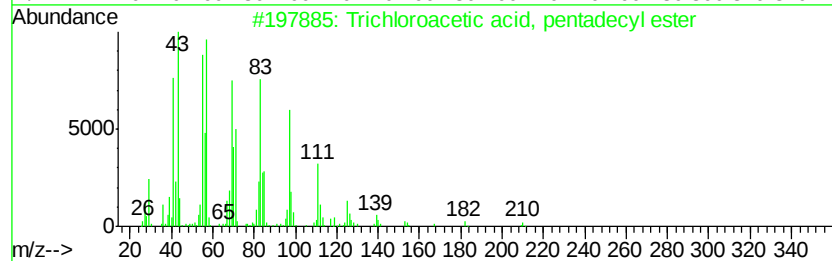
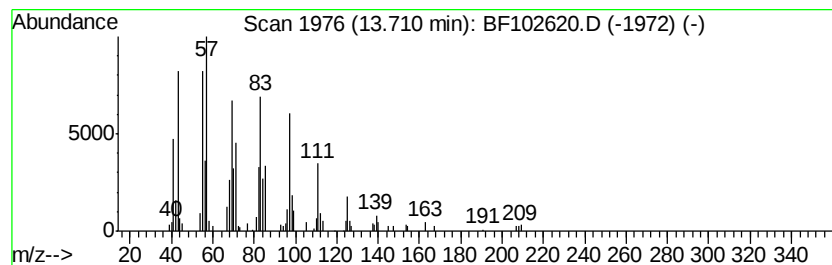
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Peak Number 4 Trichloroacetic acid, penta... Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.71 | 5.43 ng | 212902 | Chrysene-d12     | 13.87 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0  | 91   |
| 2    |    |   | Octadecyl trifluoroacetate          | 366 | C20H37F3O2  | 079392-43-1  | 91   |
| 3    |    |   | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1  | 91   |
| 4    |    |   | Heptadecyl trifluoroacetate         | 352 | C19H35F3O2  | 1000351-87-0 | 91   |
| 5    |    |   | Tricosyl trifluoroacetate           | 436 | C25H47F3O2  | 1000351-75-1 | 91   |



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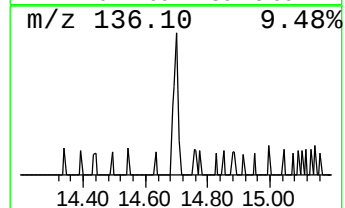
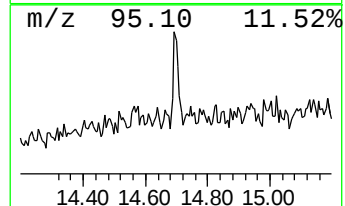
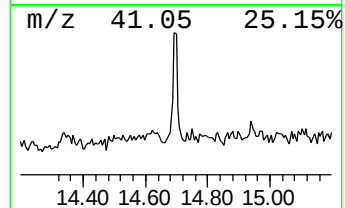
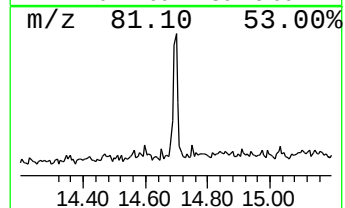
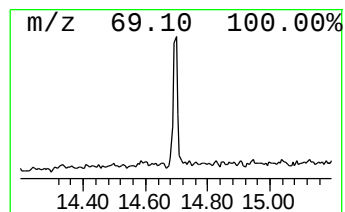
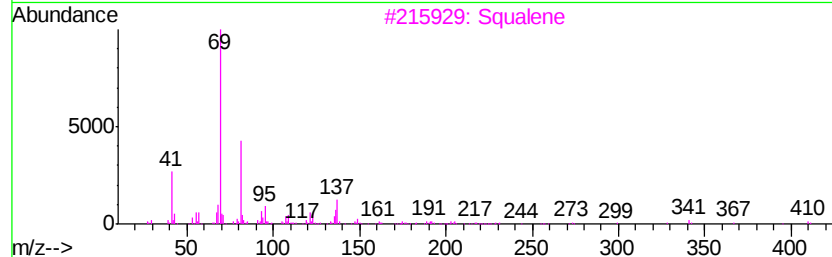
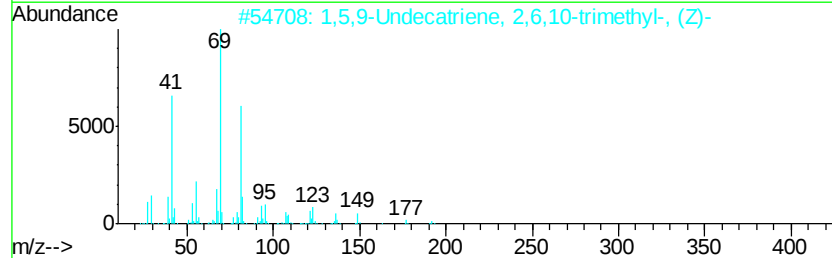
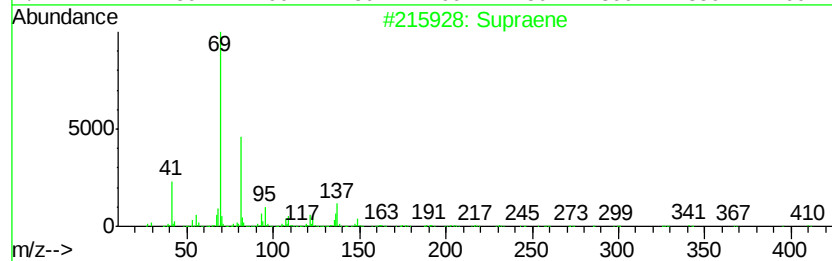
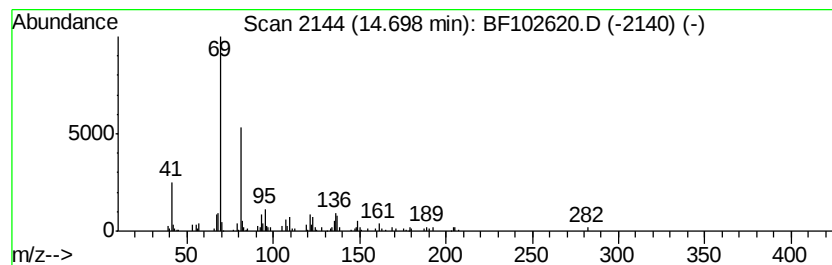
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Peak Number 5 Supraene Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.70 | 2.09 ng | 83112 | Perylene-d12     | 15.31 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm  | CAS#         | Qual |
|---------|-------------------------------------|--------------|-----|----------|--------------|------|
| 1       | Supraene                            |              | 410 | C30H50   | 007683-64-9  | 83   |
| 2       | 1,5,9-Undecatriene, 2,6,10-trime... |              | 192 | C14H24   | 062951-96-6  | 81   |
| 3       | Squalene                            |              | 410 | C30H50   | 000111-02-4  | 80   |
| 4       | 2,6,10-Dodecatrien-1-ol, 3,7,11-... |              | 222 | C15H26O  | 004602-84-0  | 64   |
| 5       | Cyclopropanecarboxylic acid, und... |              | 238 | C15H26O2 | 1000299-38-1 | 47   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.92  | 2.6     | ng    | 129241   | 1                     | 6.71  | 986800 | 20.0 |
| unknown6.49          | 6.49  | 67.6    | ng    | 3333300  | 1                     | 6.71  | 986800 | 20.0 |
| Trichloroacetic a... | 13.71 | 5.4     | ng    | 212902   | 5                     | 13.87 | 783508 | 20.0 |
| Supraene             | 14.70 | 2.1     | ng    | 83112    | 6                     | 15.31 | 797097 | 20.0 |