

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF010917\  
 Data File : BF092171.D  
 Acq On : 10 Jan 2017 6:24  
 Operator : UM/SJ  
 Sample : I1056-06  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-08

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-BF122116.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         | 4.756       | 249           | 251         | 262          | rVB      | 382861         | 525866        | 14.43%          | 2.053%        |
| 2         | 5.247       | 292           | 294         | 305          | rBV      | 2002206        | 2333264       | 64.02%          | 9.110%        |
| 3         | 6.287       | 382           | 385         | 386          | rBV      | 317245         | 502474        | 13.79%          | 1.962%        |
| 4         | 6.310       | 386           | 387         | 394          | rVB      | 1293927        | 1291688       | 35.44%          | 5.043%        |
| 5         | 6.413       | 394           | 396         | 399          | rBV      | 3122186        | 3100716       | 85.07%          | 12.107%       |
| 6         | 6.642       | 413           | 416         | 418          | rBV      | 575222         | 753569        | 20.68%          | 2.942%        |
| 7         | 6.790       | 427           | 429         | 432          | rBV      | 2564670        | 2655224       | 72.85%          | 10.367%       |
| 8         | 7.213       | 463           | 466         | 468          | rBV      | 1304993        | 1878540       | 51.54%          | 7.335%        |
| 9         | 7.922       | 526           | 528         | 531          | rBV      | 895465         | 906377        | 24.87%          | 3.539%        |
| 10        | 8.951       | 615           | 618         | 620          | rBV      | 50912          | 76929         | 2.11%           | 0.300%        |
| 11        | 9.008       | 620           | 623         | 625          | rBV      | 4205124        | 3644788       | 100.00%         | 14.231%       |
| 12        | 9.671       | 679           | 681         | 684          | rBV      | 638034         | 905141        | 24.83%          | 3.534%        |
| 13        | 10.105      | 714           | 719         | 721          | rBV      | 62298          | 60142         | 1.65%           | 0.235%        |
| 14        | 10.471      | 748           | 751         | 753          | rBV      | 1876570        | 1868262       | 51.26%          | 7.295%        |
| 15        | 11.156      | 808           | 811         | 813          | rBV      | 1026843        | 888592        | 24.38%          | 3.469%        |
| 16        | 11.728      | 857           | 861         | 864          | rBV4     | 25086          | 46812         | 1.28%           | 0.183%        |
| 17        | 12.482      | 921           | 927         | 929          | rBV2     | 28404          | 85757         | 2.35%           | 0.335%        |
| 18        | 12.745      | 947           | 950         | 952          | rBV      | 3238722        | 3020197       | 82.86%          | 11.792%       |
| 19        | 13.785      | 1039          | 1041        | 1044         | rBV      | 549269         | 597809        | 16.40%          | 2.334%        |
| 20        | 13.900      | 1044          | 1051        | 1052         | rVV7     | 17818          | 50974         | 1.40%           | 0.199%        |
| 21        | 15.168      | 1159          | 1162        | 1164         | rBV      | 292820         | 418669        | 11.49%          | 1.635%        |

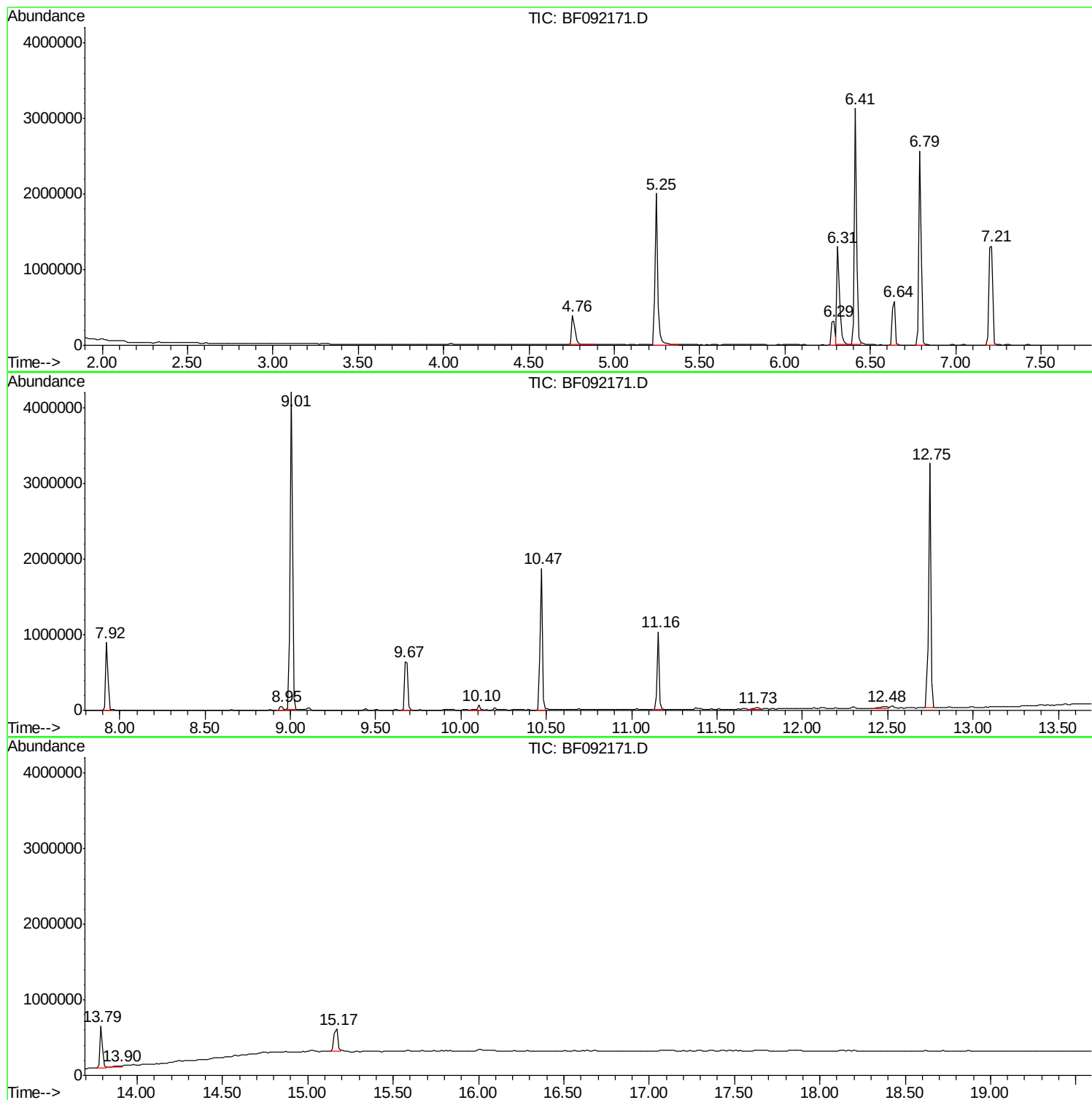
Sum of corrected areas: 25611790

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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF122116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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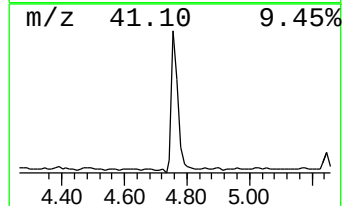
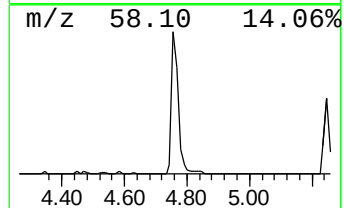
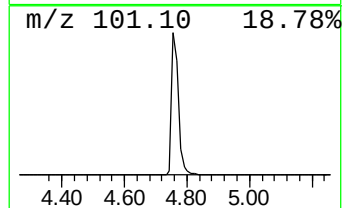
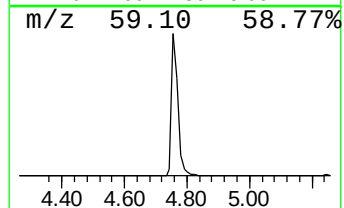
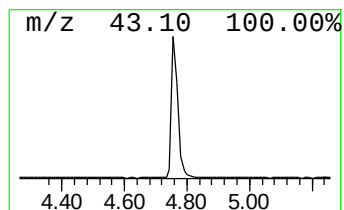
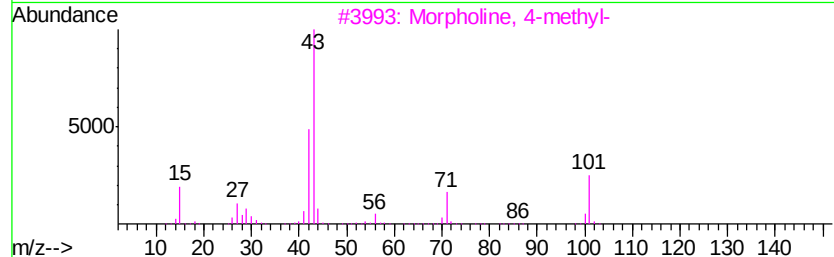
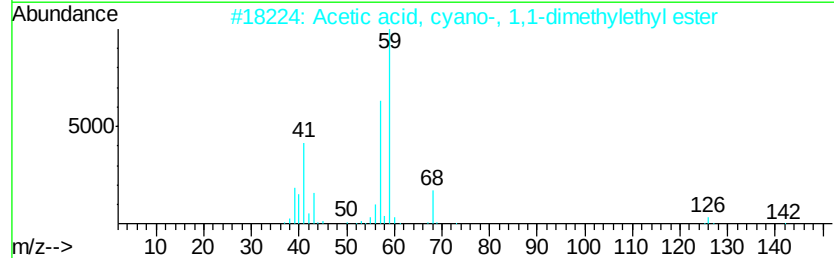
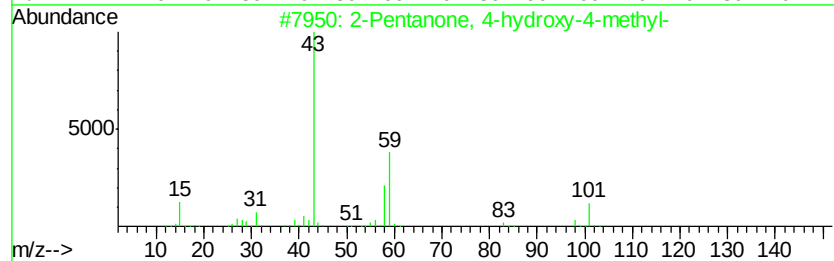
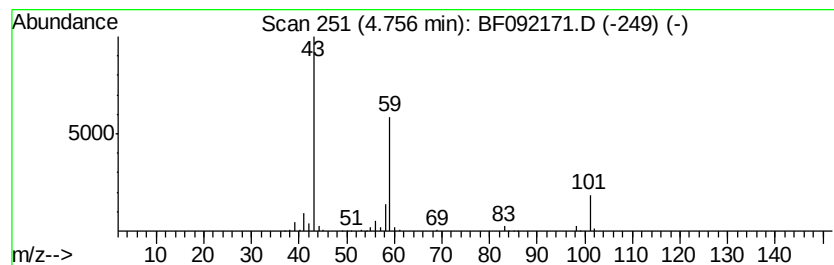
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|----------|--------|------------------------|------|
| 4.76 | 13.96 ng | 525866 | 1,4-Dichlorobenzene-d4 | 6.64 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 64   |
| 2    |    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 3    |    | Morpholine, 4-methyl-               | 101 | C5H11NO  | 000109-02-4 | 9    |
| 4    |    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2  | 000057-71-6 | 9    |
| 5    |    | Butane, 1-ethoxy-                   | 102 | C6H14O   | 000628-81-9 | 9    |



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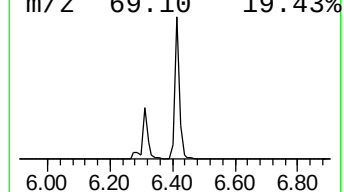
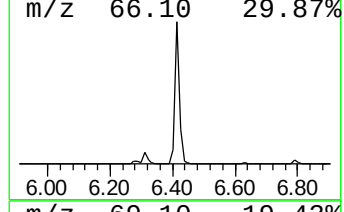
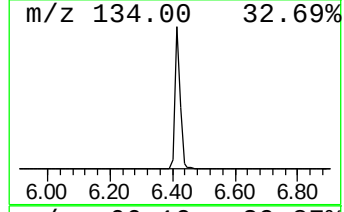
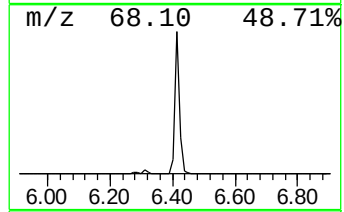
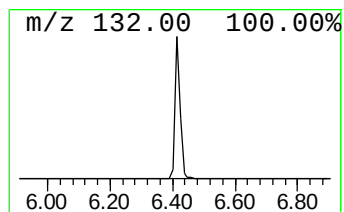
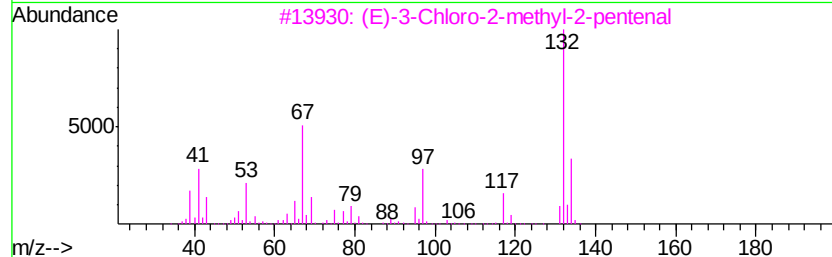
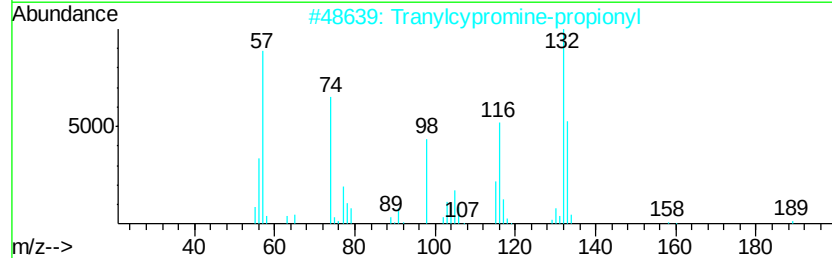
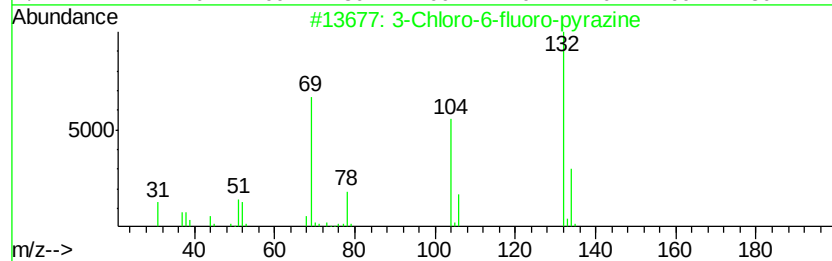
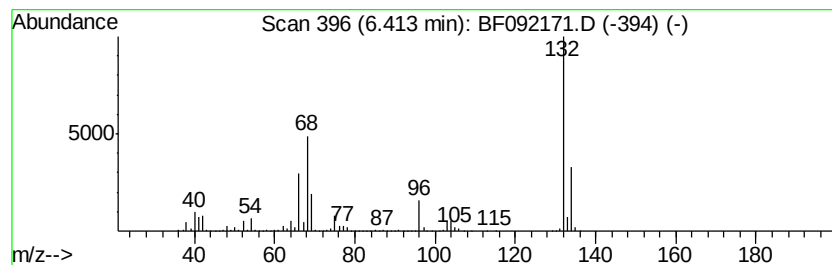
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Peak Number 2 unknown6.41 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.41 | 82.29 ng | 3100720 | 1,4-Dichlorobenzene-d4 | 6.64 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 3    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 9    |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | Benzene, 1-ethenyl-3,5-dimethyl-    | 132 | C10H12    | 005379-20-4  | 9    |



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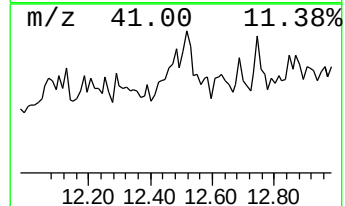
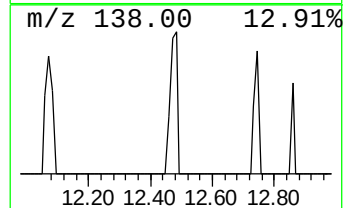
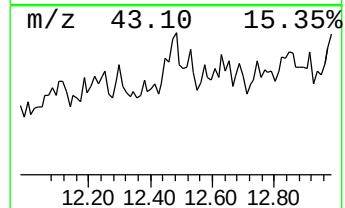
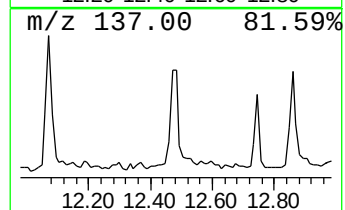
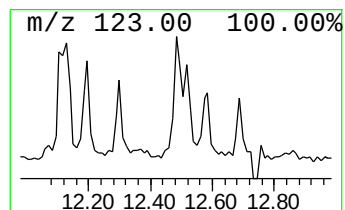
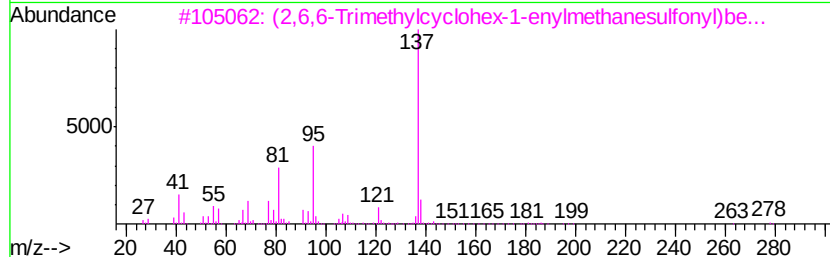
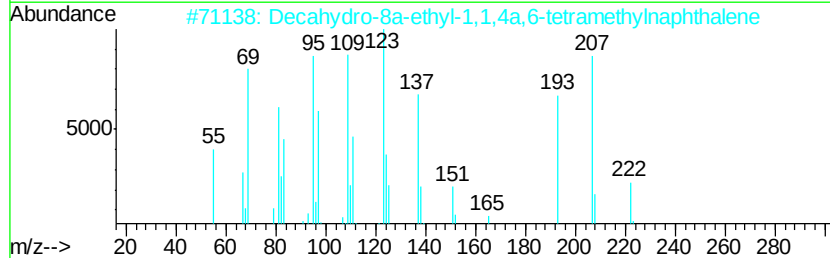
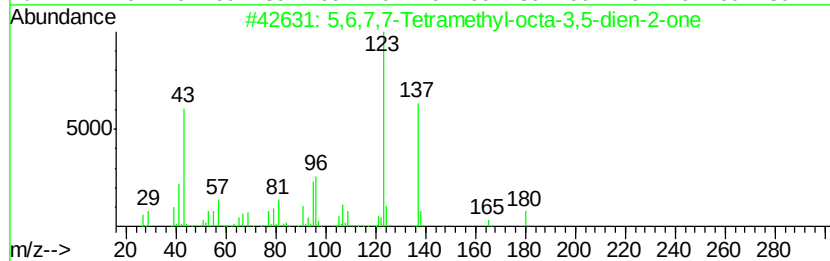
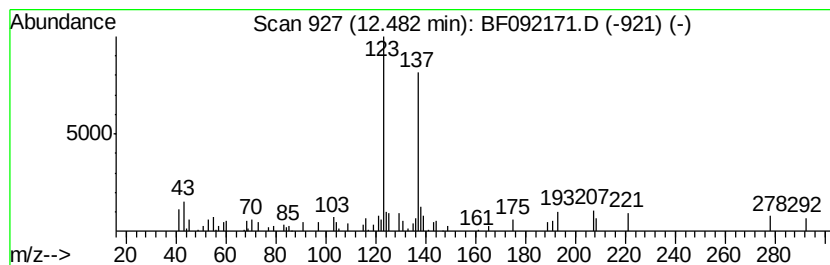
Instrument :  
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ClientSampled :  
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown12.48 Concentration Rank 4

| R.T.    | EstConc                             | Area          | Relative to ISTD | R.T.      |
|---------|-------------------------------------|---------------|------------------|-----------|
| 12.48   | 2.87 ng                             | 85757         | Chrysene-d12     | 13.79     |
| Hit# of | 5                                   | Tentative ID  | MW MolForm       | CAS# Qual |
| 1       | 5,6,7,7-Tetramethyl-octa-3,5-die... | 180 C12H200   | 1000190-70-9     | 45        |
| 2       | Decahydro-8a-ethyl-1,1,4a,6-tetr... | 222 C16H30    | 1000100-23-6     | 30        |
| 3       | (2,6,6-Trimethylcyclohex-1-enylm... | 278 C16H22O2S | 056691-74-8      | 27        |
| 4       | Cyclopentene, 1,2,3,4,5-pentamet... | 138 C10H18    | 1000154-28-6     | 27        |
| 5       | Benzene, 2-fluoro-1,3,5-trimethyl-  | 138 C9H11F    | 000392-69-8      | 27        |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.76  | 14.0    | ng    | 525866   | 1                     | 6.64  | 753569 | 20.0 |
| unknown6.41          | 6.41  | 82.3    | ng    | 3100720  | 1                     | 6.64  | 753569 | 20.0 |
| unknown12.48         | 12.48 | 2.9     | ng    | 85757    | 5                     | 13.79 | 597809 | 20.0 |