

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101315\  
 Data File : BF082240.D  
 Acq On : 13 Oct 2015 3:28  
 Operator : UM/IZ  
 Sample : G3990-17  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TE-PMW(1A-11)

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.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         | 2.263       | 8             | 11          | 31           | rVB      | 111280         | 291006        | 11.49%          | 1.914%        |
| 2         | 4.994       | 248           | 250         | 264          | rVB      | 303305         | 352549        | 13.92%          | 2.318%        |
| 3         | 5.417       | 285           | 287         | 290          | rBV      | 662431         | 671201        | 26.49%          | 4.414%        |
| 4         | 6.457       | 376           | 378         | 381          | rBV2     | 314604         | 406256        | 16.04%          | 2.671%        |
| 5         | 6.594       | 388           | 390         | 393          | rBV      | 1414299        | 1352447       | 53.38%          | 8.893%        |
| 6         | 6.835       | 409           | 411         | 413          | rBV      | 280544         | 315734        | 12.46%          | 2.076%        |
| 7         | 6.983       | 422           | 424         | 427          | rBV      | 1309707        | 1351748       | 53.35%          | 8.889%        |
| 8         | 7.406       | 458           | 461         | 463          | rBV      | 961897         | 1144375       | 45.17%          | 7.525%        |
| 9         | 8.115       | 521           | 523         | 526          | rBV      | 440520         | 440658        | 17.39%          | 2.898%        |
| 10        | 9.200       | 615           | 618         | 620          | rBV      | 2493580        | 2397378       | 94.63%          | 15.764%       |
| 11        | 9.589       | 651           | 652         | 655          | rBV      | 49612          | 52755         | 2.08%           | 0.347%        |
| 12        | 9.875       | 674           | 677         | 679          | rBV      | 646053         | 558249        | 22.03%          | 3.671%        |
| 13        | 10.298      | 711           | 714         | 716          | rBV      | 233350         | 220061        | 8.69%           | 1.447%        |
| 14        | 10.663      | 743           | 746         | 749          | rBV      | 1290134        | 1327550       | 52.40%          | 8.730%        |
| 15        | 10.823      | 758           | 760         | 762          | rVB      | 30983          | 33290         | 1.31%           | 0.219%        |
| 16        | 11.361      | 805           | 807         | 809          | rBV      | 640489         | 564815        | 22.29%          | 3.714%        |
| 17        | 11.944      | 855           | 858         | 860          | rBV      | 41557          | 40997         | 1.62%           | 0.270%        |
| 18        | 12.949      | 943           | 946         | 949          | rBV      | 2259642        | 2533542       | 100.00%         | 16.660%       |
| 19        | 13.807      | 1020          | 1021        | 1023         | rVB      | 44483          | 34622         | 1.37%           | 0.228%        |
| 20        | 13.841      | 1023          | 1024        | 1030         | rVB      | 38698          | 49776         | 1.96%           | 0.327%        |
| 21        | 14.001      | 1036          | 1038        | 1046         | rVB      | 597270         | 600152        | 23.69%          | 3.946%        |
| 22        | 15.441      | 1161          | 1164        | 1171         | rBV      | 294529         | 468375        | 18.49%          | 3.080%        |

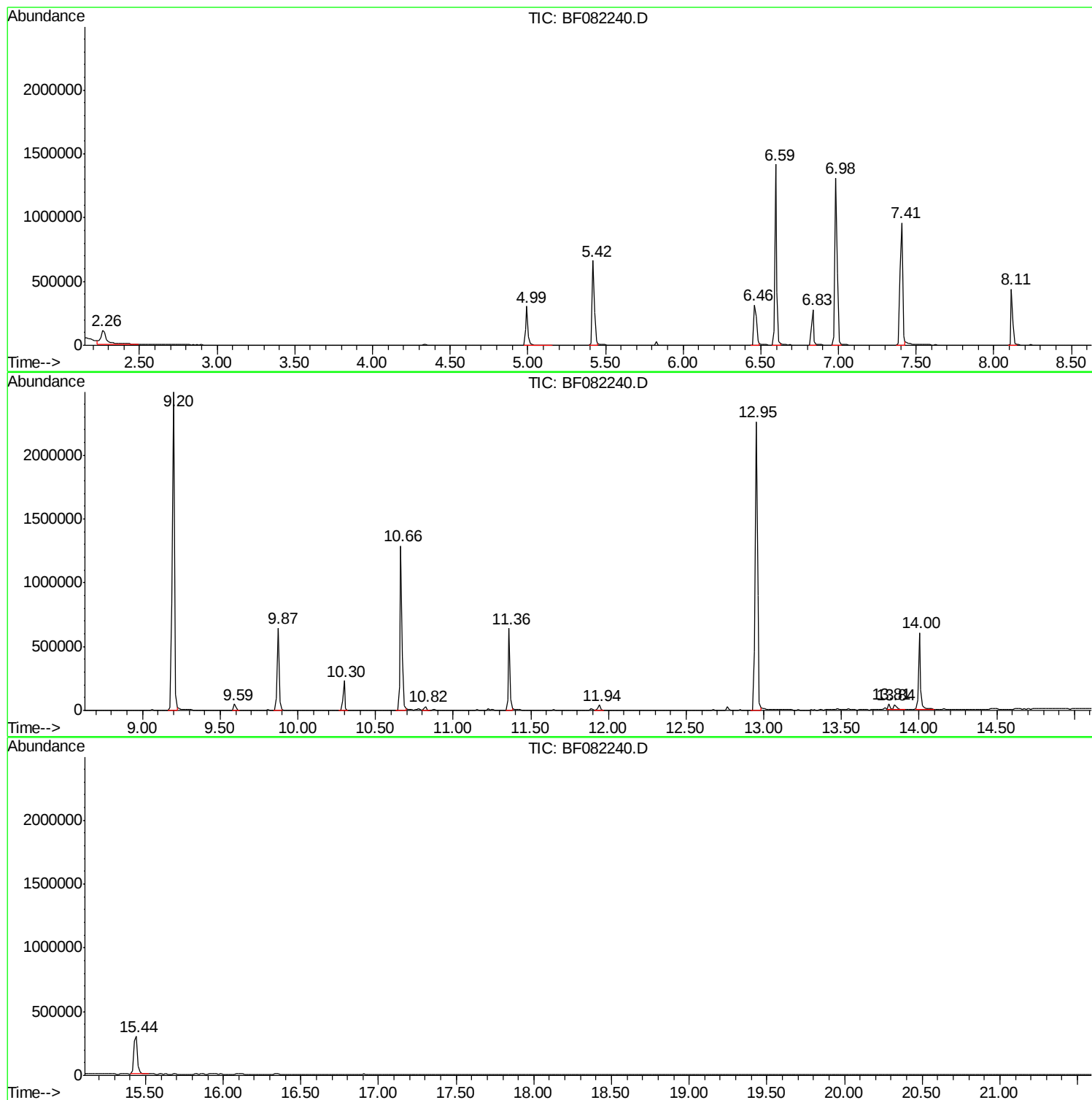
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Instrument :  
BNA\_F  
ClientSampleId :  
TE-PMW(1A-11)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.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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ClientSampleId :  
TE-PMW(1A-11)

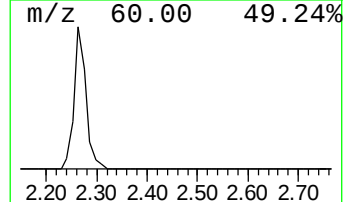
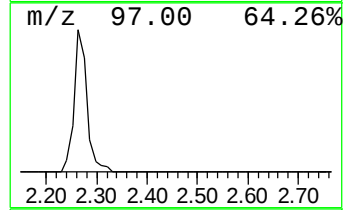
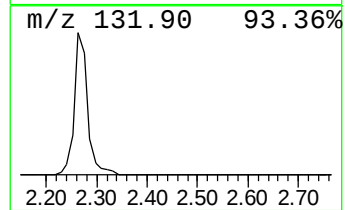
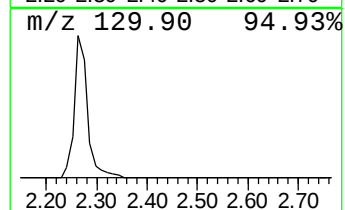
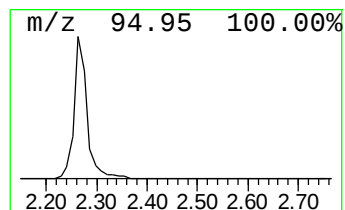
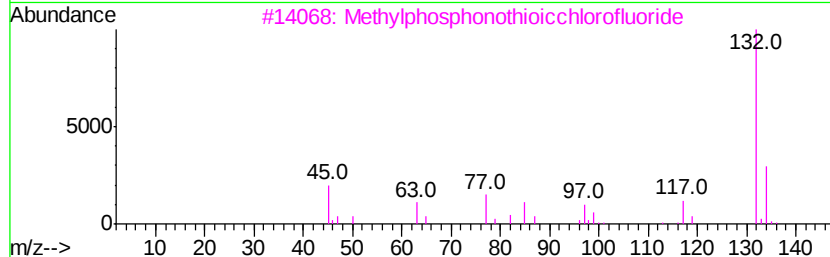
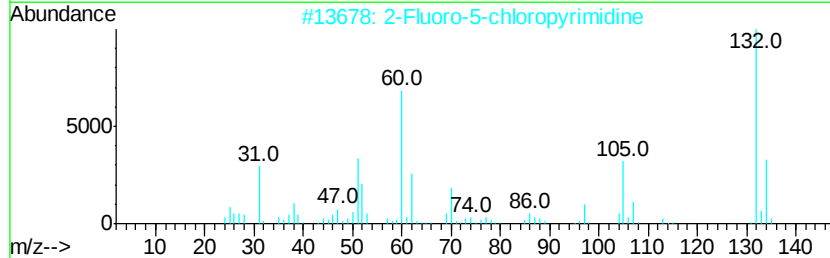
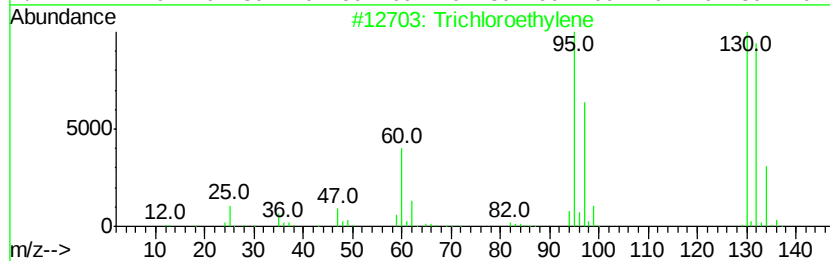
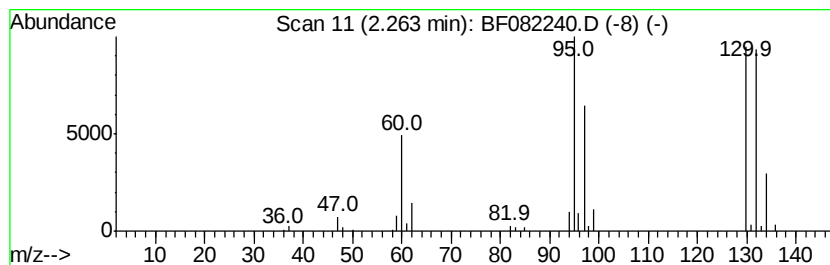
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Trichloroethylene Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 2.26 | 18.43 ng | 291006 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Trichloroethylene                   | 130 | C2HCl3    | 000079-01-6 | 96   |
| 2    |    | 2-Fluoro-5-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-37-3 | 35   |
| 3    |    | Methylphosphonothioicchlorofluoride | 132 | CH3ClFPS  | 027127-27-1 | 14   |
| 4    |    | 1,3-Oxathiane, 4,6-dimethyl-, tr... | 132 | C6H12OS   | 022452-26-2 | 10   |
| 5    |    | 1,3-Oxathiane, 4,6-dimethyl-, cis-  | 132 | C6H12OS   | 022452-25-1 | 10   |



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ClientSampled :  
TE-PMW(1A-11)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

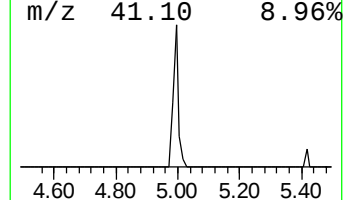
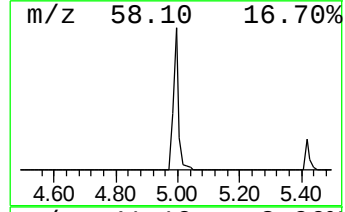
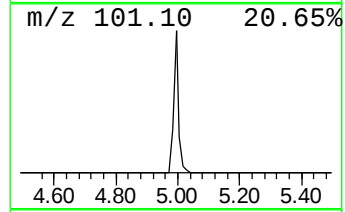
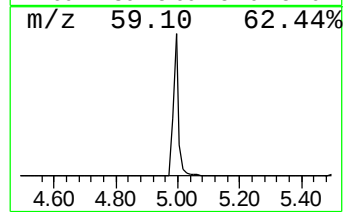
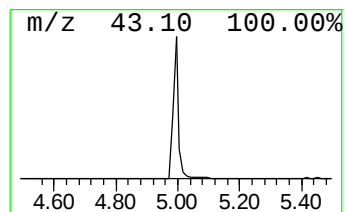
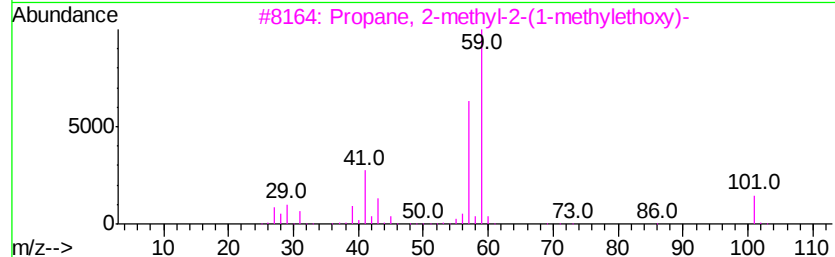
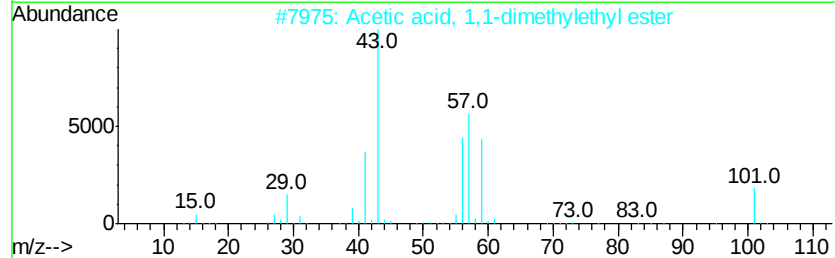
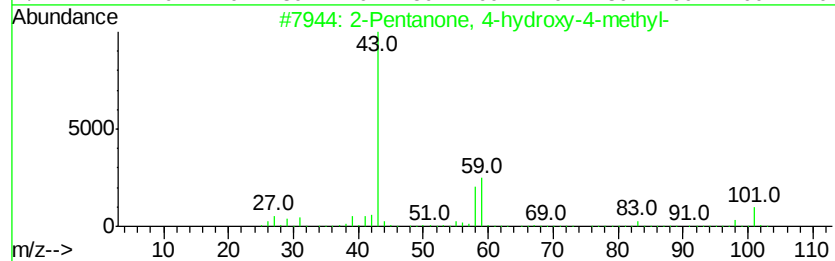
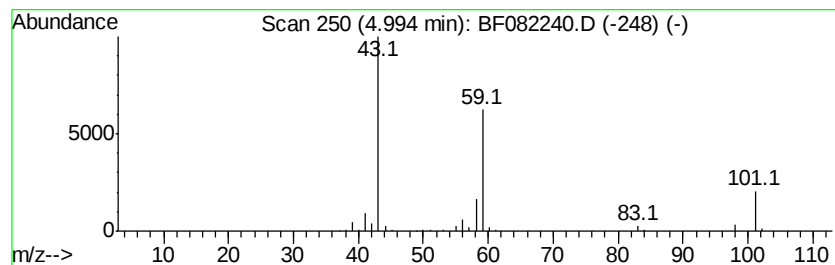
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TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.99 | 22.33 ng | 352549 | 1,4-Dichlorobenzene-d4 | 6.83 |

| 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, 1,1-dimethylethyl e... | 116 | C6H12O2  | 000540-88-5 | 39   |
| 3    |    | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 28   |
| 4    |    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23   |
| 5    |    | Morpholine, 4-methyl-               | 101 | C5H11NO  | 000109-02-4 | 9    |



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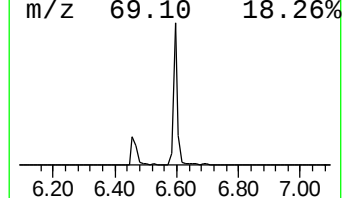
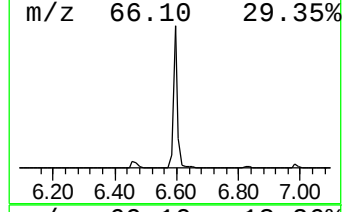
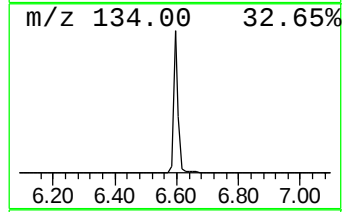
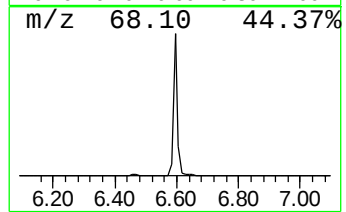
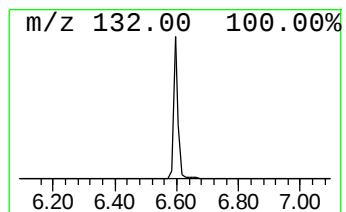
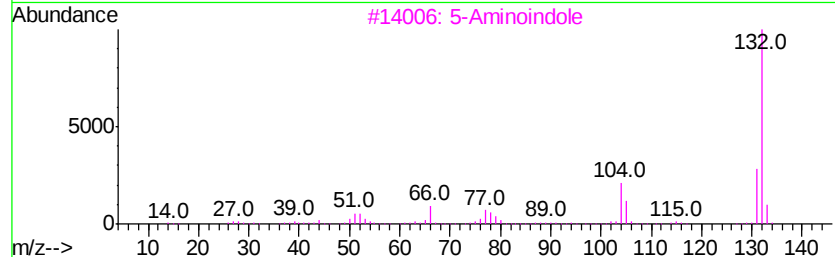
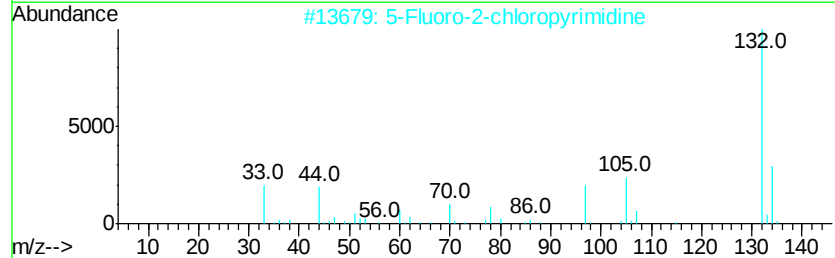
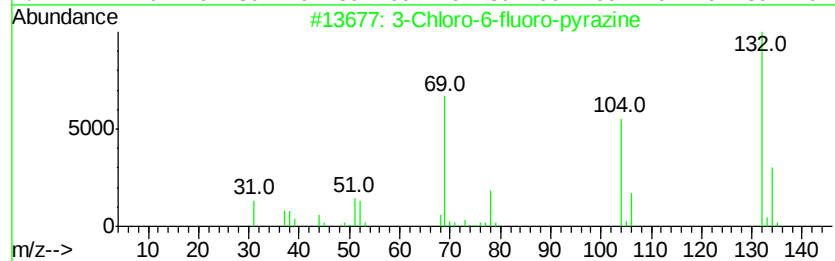
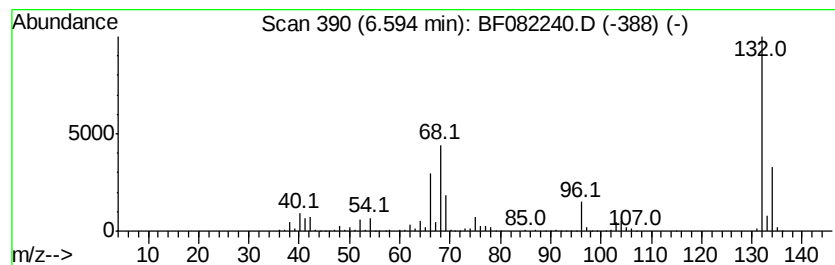
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 3-Chloro-6-fluoro-pyrazine Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.59 | 85.67 ng | 1352450 | 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 | 27   |
| 2    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 3    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



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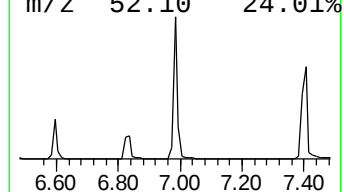
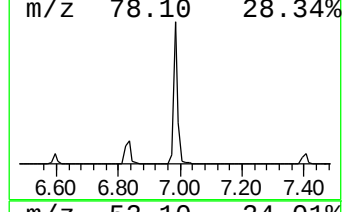
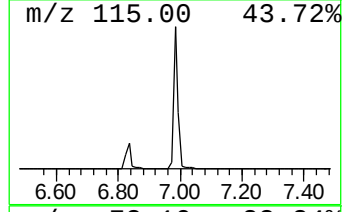
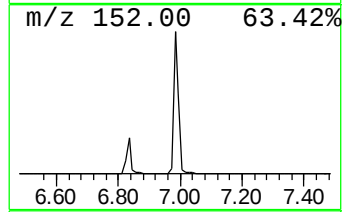
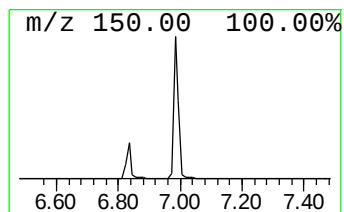
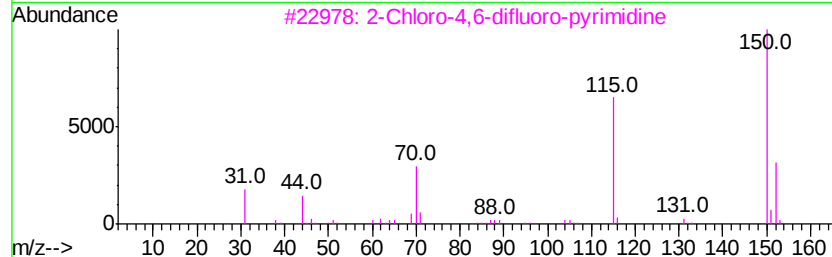
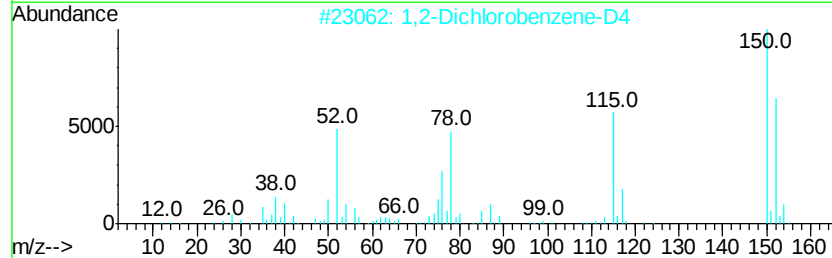
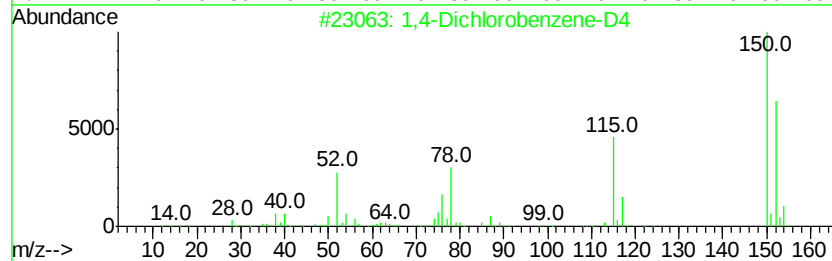
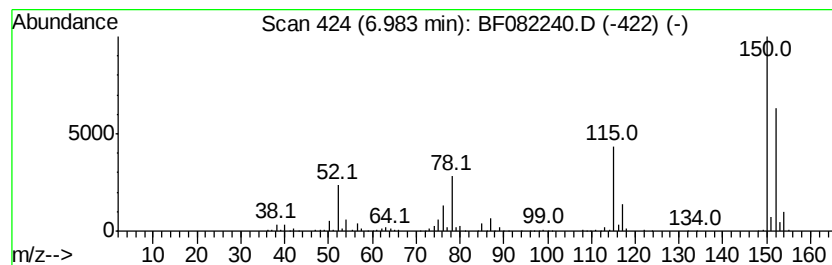
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ClientSampleId :  
TE-PMW(1A-11)

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

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Peak Number 4 1,4-Dichlorobenzene-D4 Concentration Rank 2

| R.T.      | EstConc                             | Area    | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|---------|------------------------|-------------|------|
| 6.98      | 85.63 ng                            | 1351750 | 1,4-Dichlorobenzene-d4 | 6.83        |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm                | CAS#        | Qual |
| 1         | 1,4-Dichlorobenzene-D4              | 150     | C6D4Cl2                | 003855-82-1 | 94   |
| 2         | 1,2-Dichlorobenzene-D4              | 150     | C6D4Cl2                | 002199-69-1 | 91   |
| 3         | 2-Chloro-4,6-difluoro-pyrimidine    | 150     | C4HClF2N2              | 038953-30-9 | 38   |
| 4         | 2-Bromo-2'-nitroacetophenone        | 243     | C8H6BrNO3              | 006851-99-6 | 22   |
| 5         | 3-(4-Nitrobenzoyl)-2-thioxo-4-th... | 431     | C17H9N3O7S2            | 329218-74-8 | 10   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Trichloroethylene    | 2.26 | 18.4    | ng    | 291006   | 1                     | 6.83 | 315734 | 20.0 |
| 2-Pentanone, 4-hy... | 4.99 | 22.3    | ng    | 352549   | 1                     | 6.83 | 315734 | 20.0 |
| 3-Chloro-6-fluoro... | 6.59 | 85.7    | ng    | 1352450  | 1                     | 6.83 | 315734 | 20.0 |
| 1,4-Dichlorobenze... | 6.98 | 85.6    | ng    | 1351750  | 1                     | 6.83 | 315734 | 20.0 |