

Data Path : Z:\HPCHEM1\BNA M\DATA\BM051117\  
 Data File : BM010012.D  
 Acq On : 12 May 2017 07:41  
 Operator : SJ/MA  
 Sample : I3079-10  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SS043MW014-170509

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\_M\METHODS\8270-BM051117.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         | 3.211       | 16            | 21          | 42           | rBV      | 7568577        | 10900450      | 100.00%         | 26.926%       |
| 2         | 4.899       | 302           | 308         | 316          | rBV      | 205152         | 308344        | 2.83%           | 0.762%        |
| 3         | 5.352       | 379           | 385         | 395          | rBV      | 804677         | 1211545       | 11.11%          | 2.993%        |
| 4         | 5.463       | 399           | 404         | 413          | rBV      | 317026         | 493680        | 4.53%           | 1.219%        |
| 5         | 6.946       | 650           | 656         | 664          | rBV      | 520038         | 848378        | 7.78%           | 2.096%        |
| 6         | 7.299       | 707           | 716         | 730          | rBV      | 1431658        | 2292786       | 21.03%          | 5.663%        |
| 7         | 7.763       | 787           | 795         | 802          | rBV      | 274366         | 455938        | 4.18%           | 1.126%        |
| 8         | 8.075       | 841           | 848         | 858          | rBV      | 1133349        | 1834990       | 16.83%          | 4.533%        |
| 9         | 8.934       | 987           | 994         | 1007         | rBV      | 1127578        | 1924231       | 17.65%          | 4.753%        |
| 10        | 10.557      | 1263          | 1270        | 1277         | rBV      | 347018         | 604941        | 5.55%           | 1.494%        |
| 11        | 13.028      | 1681          | 1690        | 1702         | rBV      | 2740357        | 3944244       | 36.18%          | 9.743%        |
| 12        | 14.416      | 1920          | 1926        | 1935         | rBV2     | 540138         | 861287        | 7.90%           | 2.127%        |
| 13        | 15.916      | 2174          | 2181        | 2195         | rBV      | 2494341        | 3602555       | 33.05%          | 8.899%        |
| 14        | 17.169      | 2388          | 2394        | 2404         | rBV      | 736381         | 1121996       | 10.29%          | 2.771%        |
| 15        | 19.433      | 2775          | 2779        | 2784         | rBV      | 137936         | 198836        | 1.82%           | 0.491%        |
| 16        | 19.798      | 2835          | 2841        | 2846         | rBV      | 6029256        | 7378678       | 67.69%          | 18.226%       |
| 17        | 21.356      | 3101          | 3106        | 3112         | rBV      | 1113048        | 1427445       | 13.10%          | 3.526%        |
| 18        | 23.650      | 3490          | 3496        | 3505         | rVB      | 541640         | 1073268       | 9.85%           | 2.651%        |

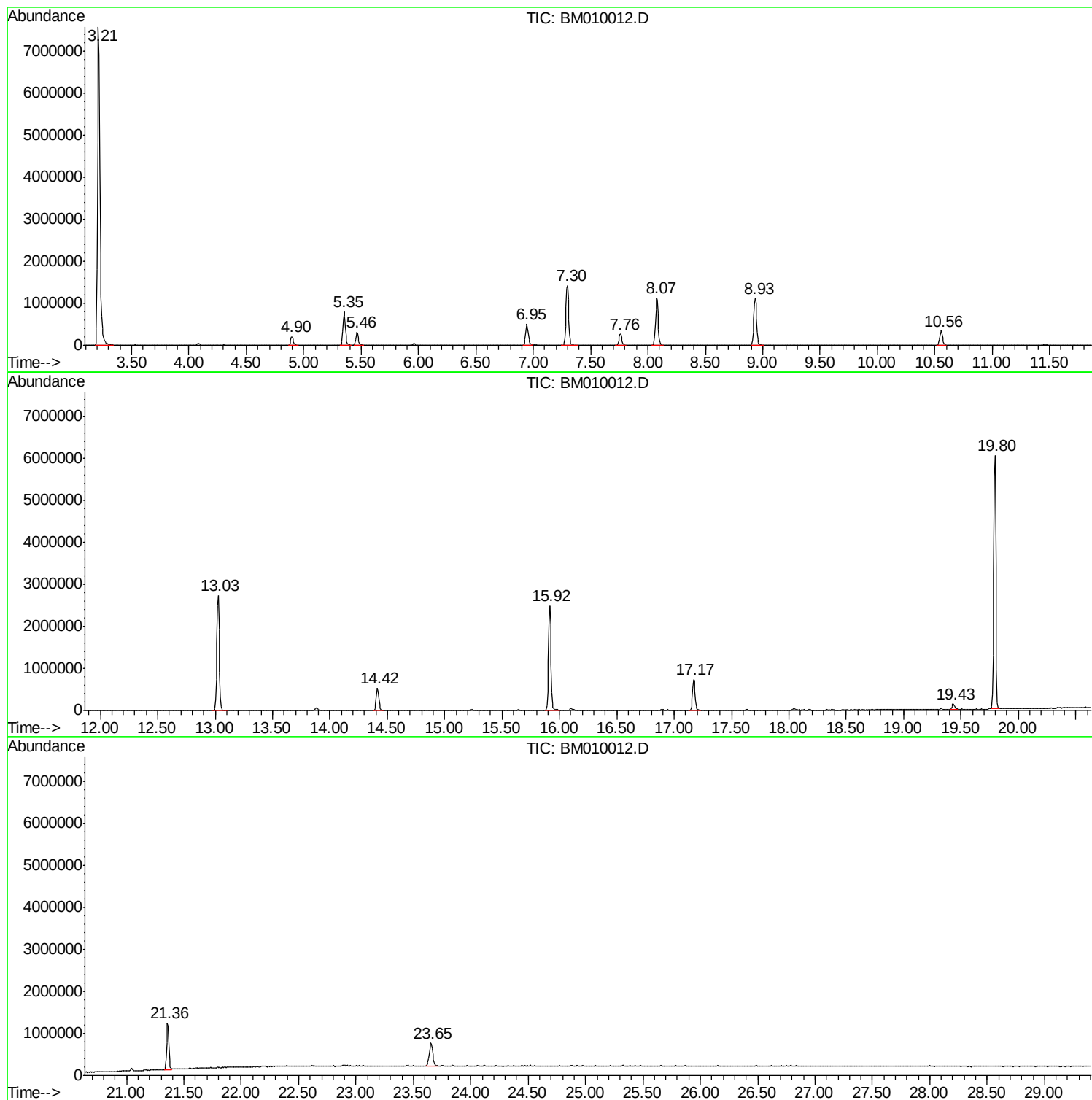
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P



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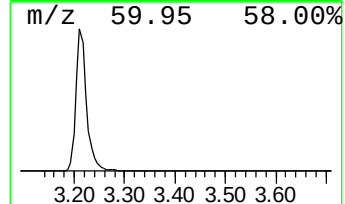
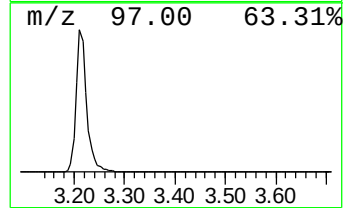
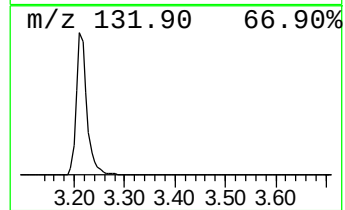
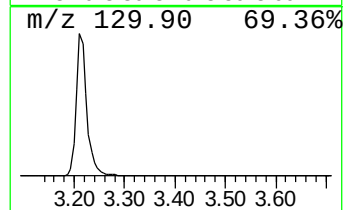
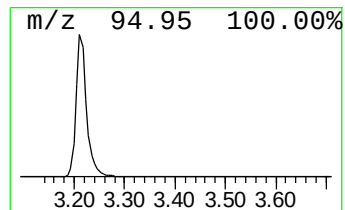
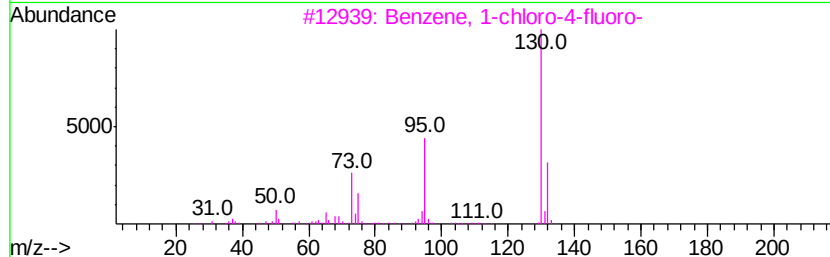
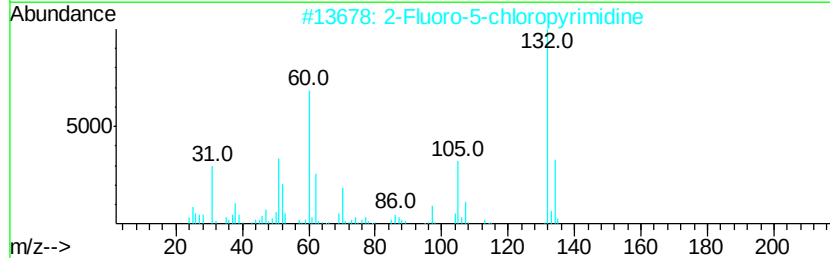
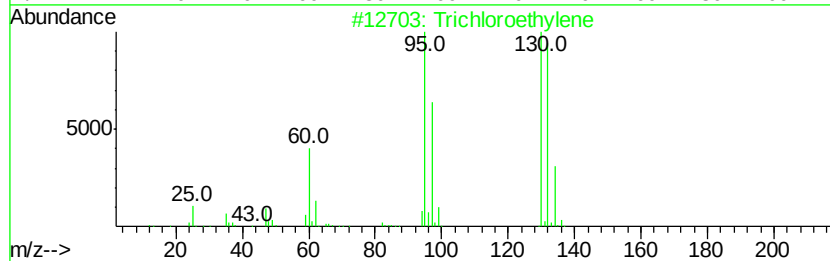
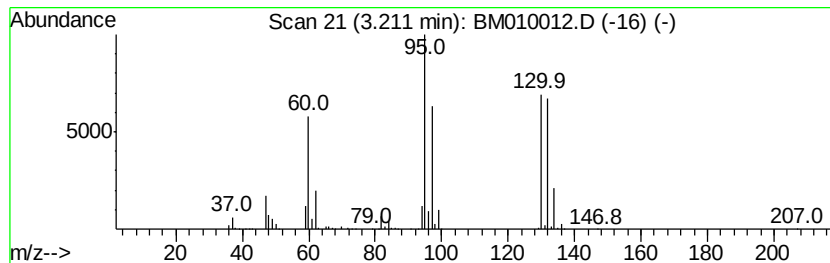
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Trichloroethylene Concentration Rank 1

| R.T.    | EstConc   | Area                        | Relative to ISTD       | R.T.      |             |      |
|---------|-----------|-----------------------------|------------------------|-----------|-------------|------|
| 3.21    | 478.16 ng | 10900500                    | 1,4-Dichlorobenzene-d4 | 7.76      |             |      |
| Hit# of | 5         | Tentative ID                | MW                     | MolForm   | CAS#        | Qual |
| 1       |           | Trichloroethylene           | 130                    | C2HCl3    | 000079-01-6 | 96   |
| 2       |           | 2-Fluoro-5-chloropyrimidine | 132                    | C4H2ClFN2 | 062802-37-3 | 32   |
| 3       |           | Benzene, 1-chloro-4-fluoro- | 130                    | C6H4ClF   | 000352-33-0 | 22   |
| 4       |           | Ethyne, chloro-             | 60                     | C2HCl     | 000593-63-5 | 22   |
| 5       |           | Benzene, 1-chloro-3-fluoro- | 130                    | C6H4ClF   | 000625-98-9 | 22   |



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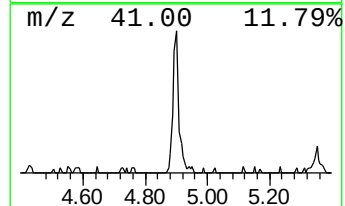
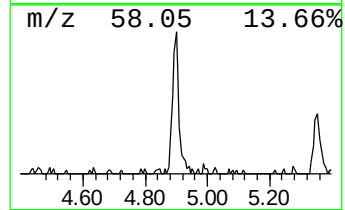
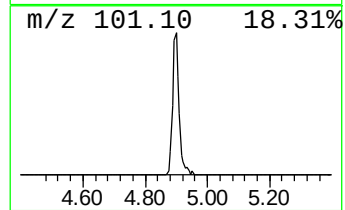
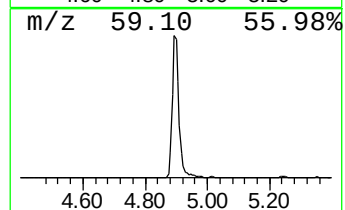
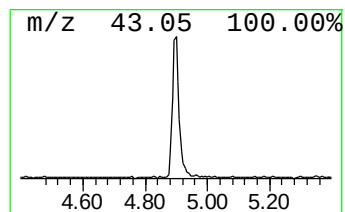
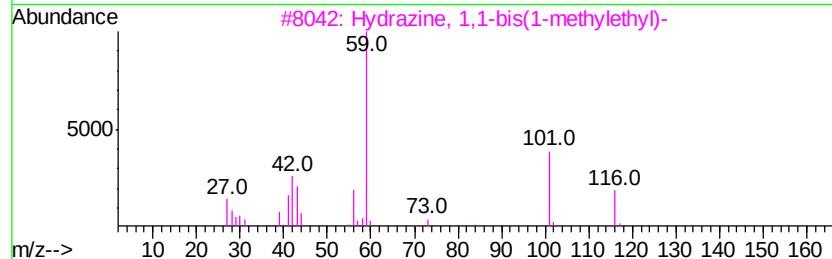
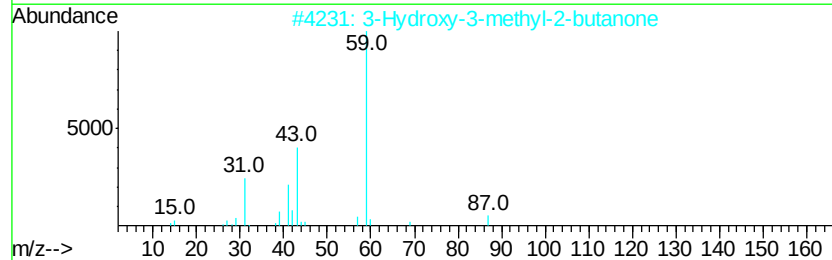
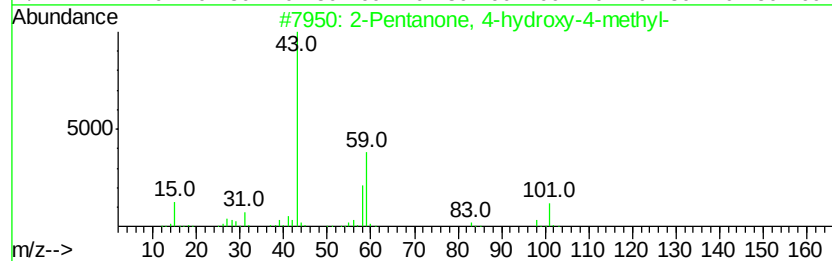
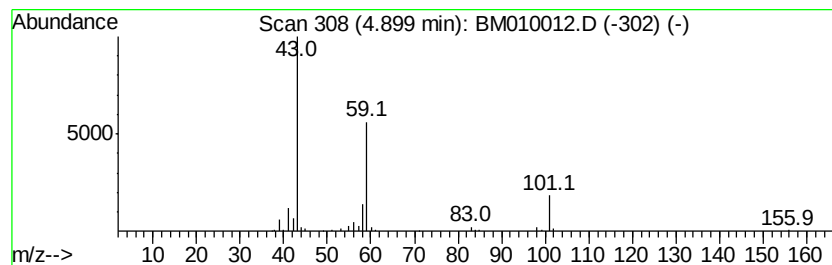
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 4.90 | 13.53 ng | 308344 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    | 3-Hydroxy-3-methyl-2-butanone      | 102 | C5H10O2 | 000115-22-0 | 38   |
| 3    |    | Hydrazine, 1,1-bis(1-methylethyl)- | 116 | C6H16N2 | 000921-14-2 | 28   |
| 4    |    | Butyl aldoxime, 3-methyl-, syn-    | 101 | C5H11NO | 005780-40-5 | 23   |
| 5    |    | 1-Butene, 4-ethoxy-                | 100 | C6H12O  | 044611-46-3 | 23   |



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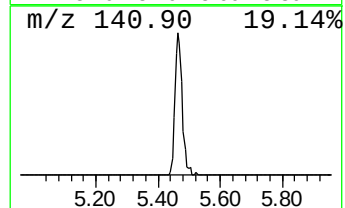
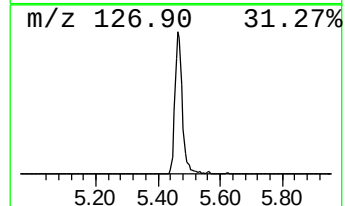
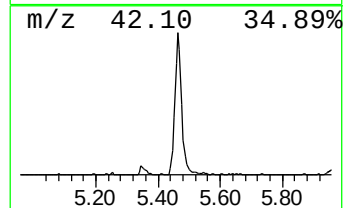
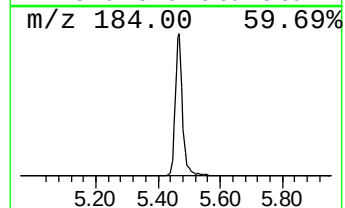
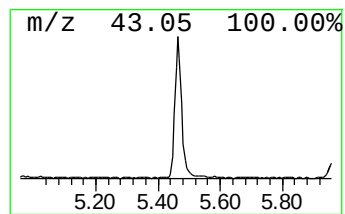
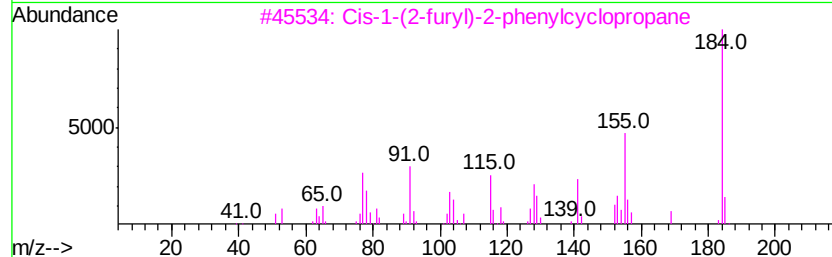
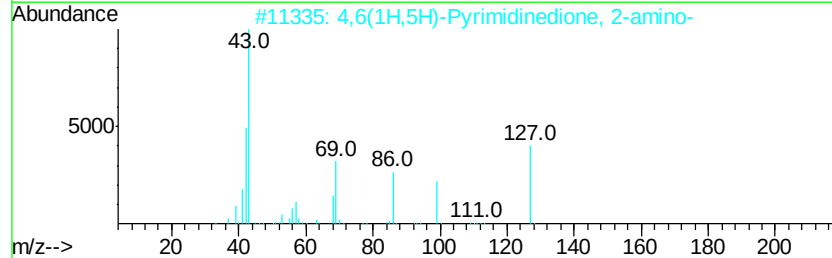
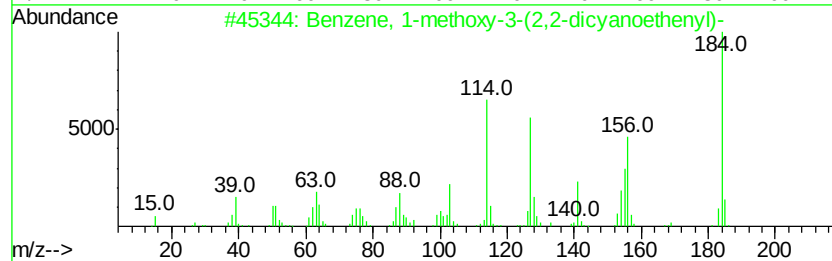
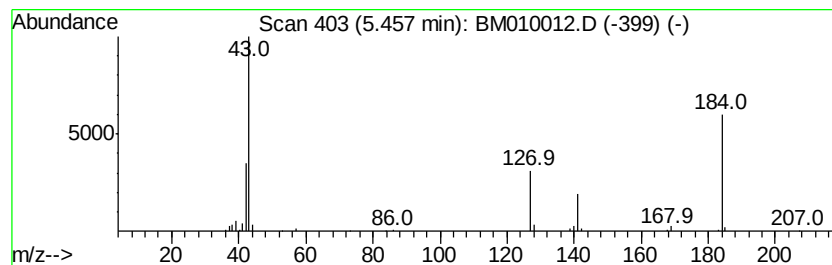
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown5.46 Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.46 | 21.66 ng | 493680 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Benzene, 1-methoxy-3-(2,2-dicyano... | 184 | C11H8N2O | 002972-72-7 | 25   |
| 2    |    |   | 4,6(1H,5H)-Pyrimidinedione, 2-am...  | 127 | C4H5N3O2 | 004425-67-6 | 17   |
| 3    |    |   | Cis-1-(2-furyl)-2-phenylcyclopro...  | 184 | C13H12O  | 039763-89-8 | 9    |
| 4    |    |   | 1,1'-Biphenyl, 4-methoxy-            | 184 | C13H12O  | 000613-37-6 | 9    |
| 5    |    |   | 2-Amino-5-nitropyrimidine            | 140 | C4H4N4O2 | 003073-77-6 | 9    |



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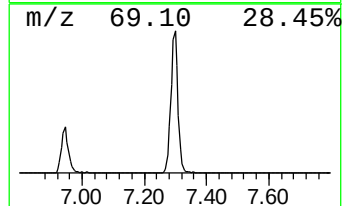
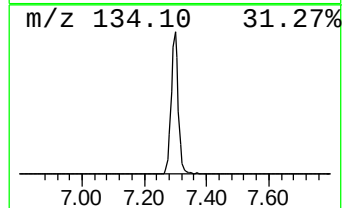
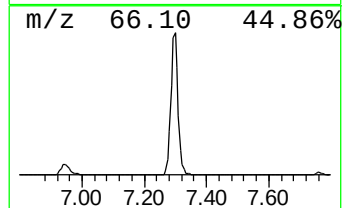
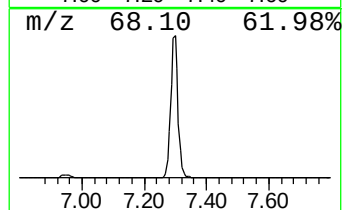
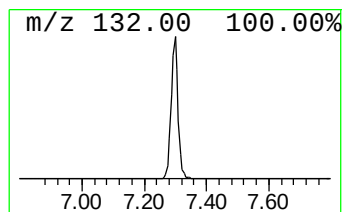
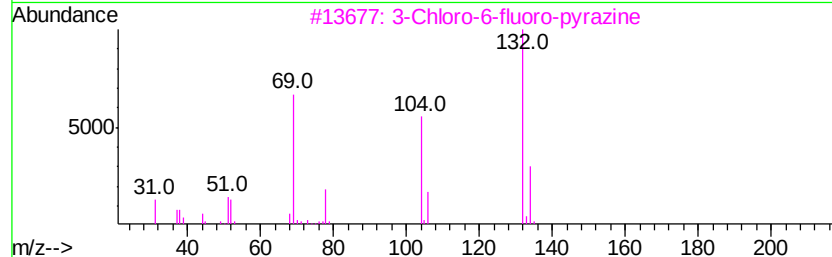
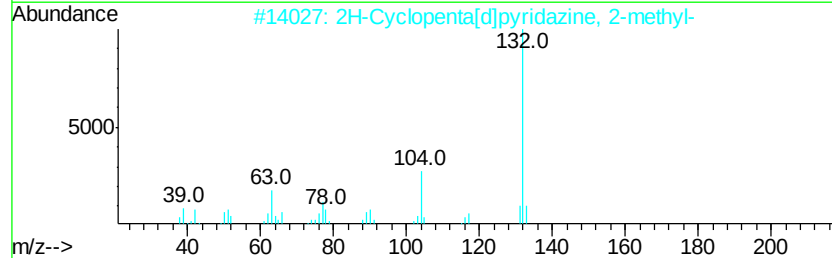
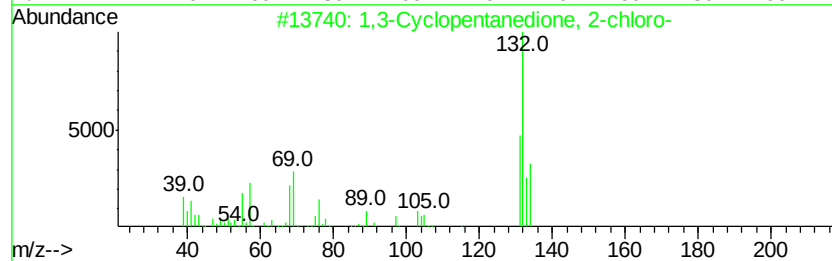
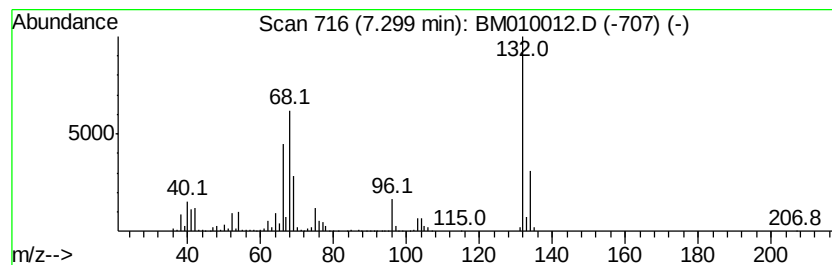
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown7.30 Concentration Rank 2

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.30 | 100.57 ng | 2292790 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1,3-Cyclopentanedione, 2-chloro-    | 132 | C5H5ClO2  | 014203-19-1  | 22   |
| 2    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 14   |
| 3    |    | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 14   |
| 4    |    | 4-Chloro-6-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-01-6  | 14   |
| 5    |    | 1,3,4-Thiadiazole-2(3H)-thione, ... | 132 | C3H4N2S2  | 029490-19-5  | 14   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Trichloroethylene    | 3.21 | 478.2   | ng    | 10900500 | 1                     | 7.76 | 455938 | 20.0 |
| 2-Pentanone, 4-hy... | 4.90 | 13.5    | ng    | 308344   | 1                     | 7.76 | 455938 | 20.0 |
| unknown5.46          | 5.46 | 21.7    | ng    | 493680   | 1                     | 7.76 | 455938 | 20.0 |
| unknown7.30          | 7.30 | 100.6   | ng    | 2292790  | 1                     | 7.76 | 455938 | 20.0 |