

Data Path : Z:\HPCHEM1\BNA G\DATA\BG012318\  
 Data File : BG032241.D  
 Acq On : 23 Jan 2018 21:03  
 Operator : SJ/JU  
 Sample : J1238-22  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SB-07-9.5-10.0

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\_G\METHODS\8270-BG011218.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         | 3.472       | 25            | 31          | 42           | rBV      | 330718         | 525735        | 16.60%          | 3.222%        |
| 2         | 5.652       | 395           | 402         | 410          | rVB      | 30919          | 56304         | 1.78%           | 0.345%        |
| 3         | 6.157       | 481           | 488         | 501          | rBV      | 547650         | 958683        | 30.27%          | 5.875%        |
| 4         | 7.838       | 766           | 774         | 787          | rVB      | 588897         | 1105140       | 34.89%          | 6.773%        |
| 5         | 8.243       | 834           | 843         | 856          | rBV      | 606261         | 1113822       | 35.16%          | 6.826%        |
| 6         | 8.725       | 919           | 925         | 935          | rBB      | 124962         | 225526        | 7.12%           | 1.382%        |
| 7         | 9.060       | 973           | 982         | 996          | rBB      | 443551         | 834836        | 26.36%          | 5.116%        |
| 8         | 9.924       | 1119          | 1129        | 1141         | rBV      | 348765         | 653480        | 20.63%          | 4.005%        |
| 9         | 11.610      | 1408          | 1416        | 1425         | rBV      | 173923         | 331659        | 10.47%          | 2.033%        |
| 10        | 13.989      | 1814          | 1821        | 1831         | rBV      | 1195320        | 1903140       | 60.08%          | 11.663%       |
| 11        | 14.789      | 1950          | 1957        | 1962         | rBV      | 144744         | 216881        | 6.85%           | 1.329%        |
| 12        | 15.206      | 2022          | 2028        | 2033         | rBV      | 28048          | 38494         | 1.22%           | 0.236%        |
| 13        | 15.364      | 2046          | 2055        | 2067         | rVB2     | 311178         | 540339        | 17.06%          | 3.311%        |
| 14        | 16.146      | 2182          | 2188        | 2193         | rVB3     | 34857          | 48473         | 1.53%           | 0.297%        |
| 15        | 16.839      | 2299          | 2306        | 2316         | rBV      | 1092754        | 1752733       | 55.33%          | 10.742%       |
| 16        | 16.998      | 2329          | 2333        | 2342         | rBV4     | 26436          | 44815         | 1.41%           | 0.275%        |
| 17        | 18.096      | 2513          | 2520        | 2529         | rBV2     | 454542         | 704853        | 22.25%          | 4.320%        |
| 18        | 18.913      | 2655          | 2659        | 2669         | rBV4     | 32333          | 54791         | 1.73%           | 0.336%        |
| 19        | 20.635      | 2945          | 2952        | 2961         | rBV      | 2314596        | 3167496       | 100.00%         | 19.412%       |
| 20        | 21.968      | 3171          | 3179        | 3187         | rBV4     | 48657          | 89749         | 2.83%           | 0.550%        |
| 21        | 22.427      | 3249          | 3257        | 3267         | rBV      | 508823         | 960586        | 30.33%          | 5.887%        |
| 22        | 26.122      | 3872          | 3886        | 3912         | rBV2     | 259231         | 989852        | 31.25%          | 6.066%        |

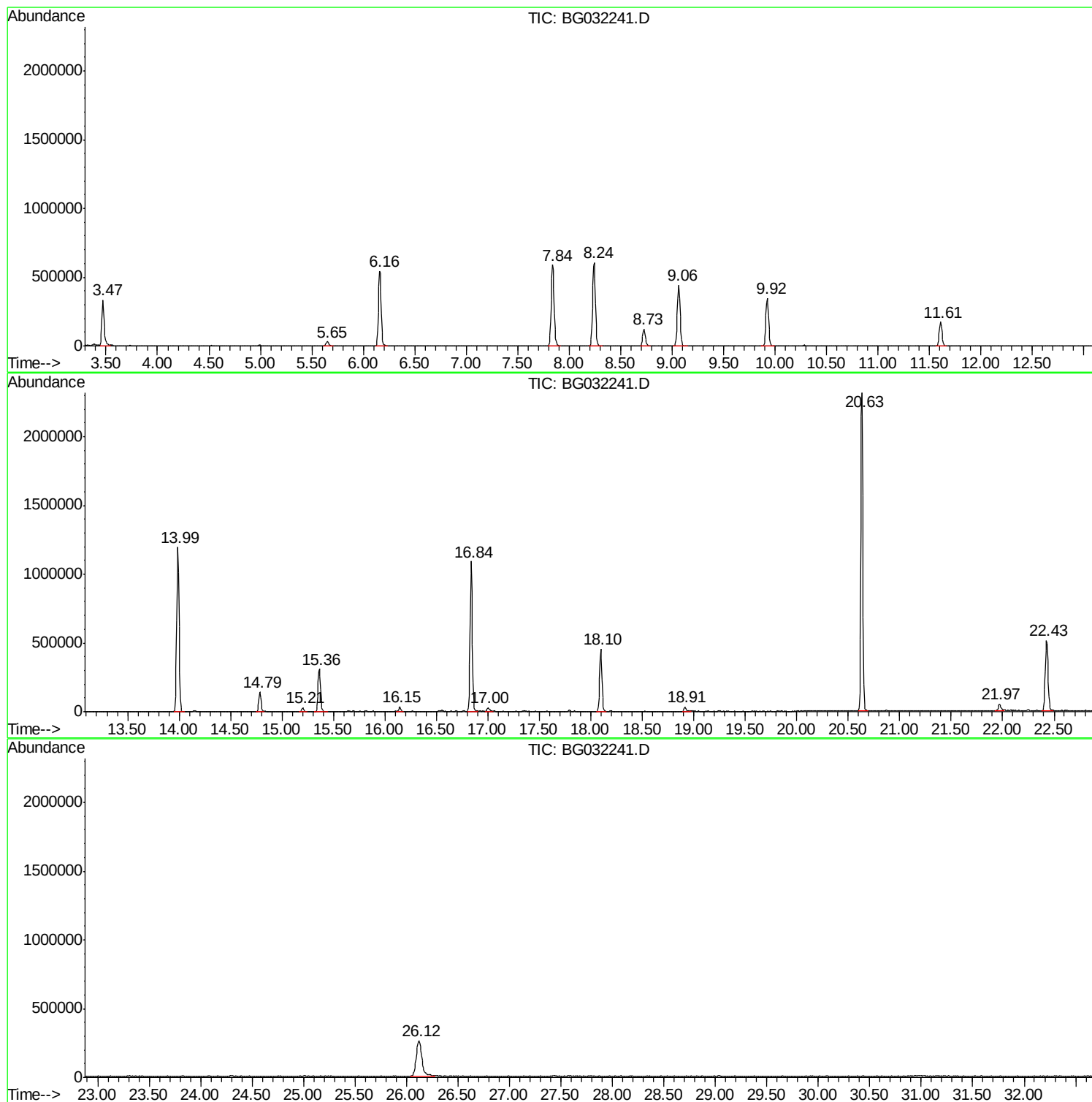
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SB-07-9.5-10.0

Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.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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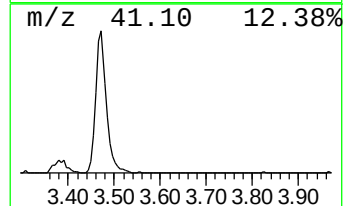
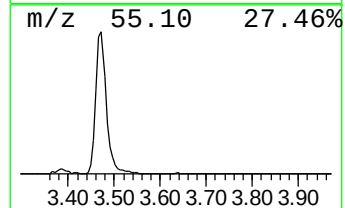
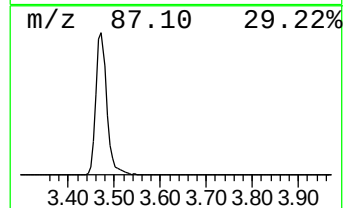
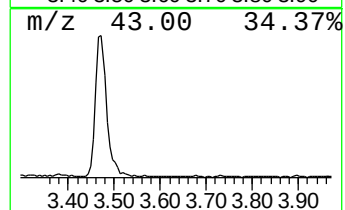
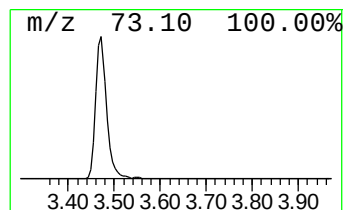
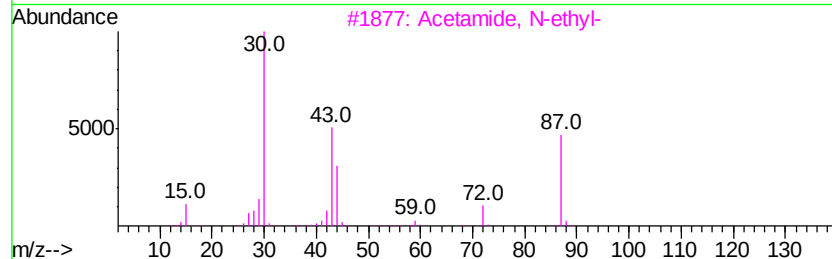
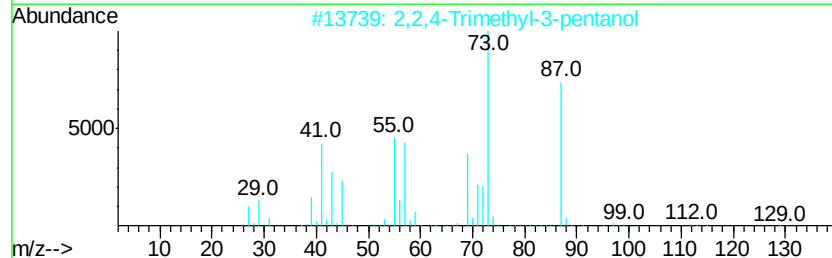
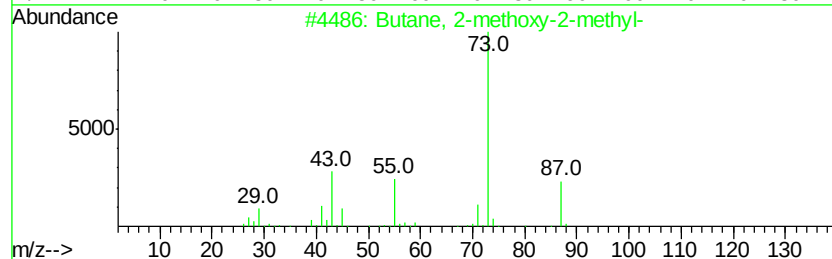
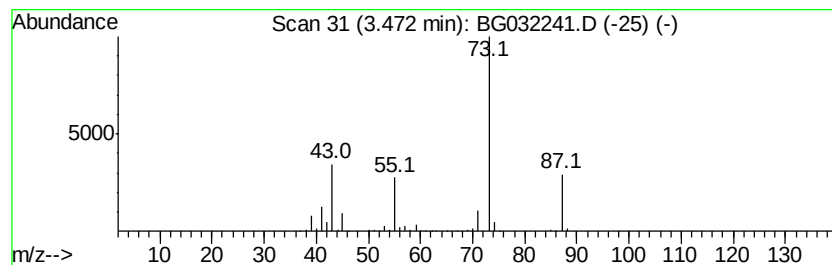
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 3.47 | 46.62 ng | 525735 | 1,4-Dichlorobenzene-d4 | 8.73 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 40   |
| 3    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 35   |
| 4    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 9    |
| 5    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 9    |



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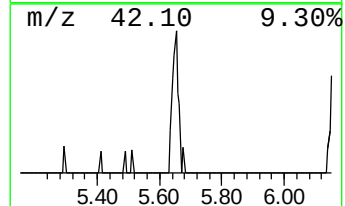
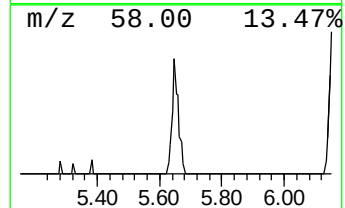
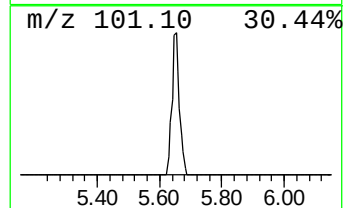
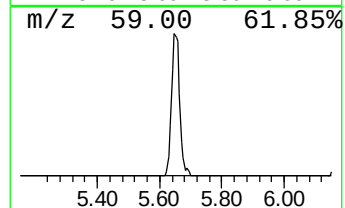
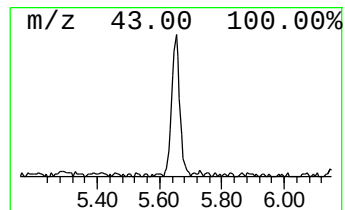
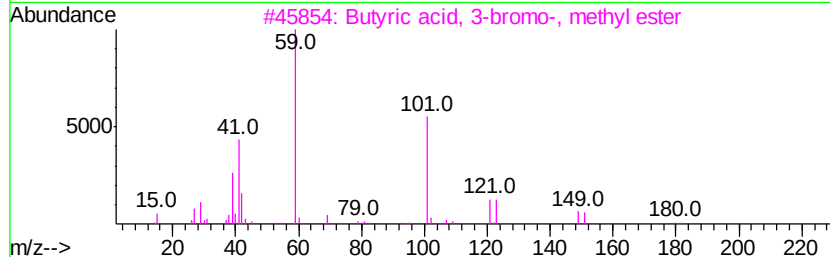
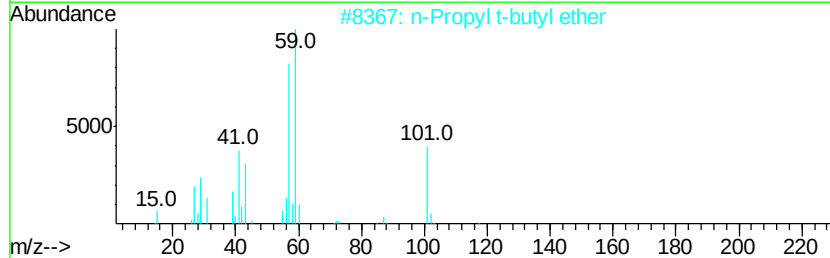
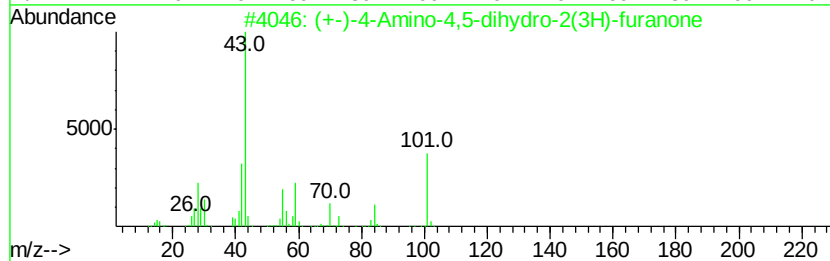
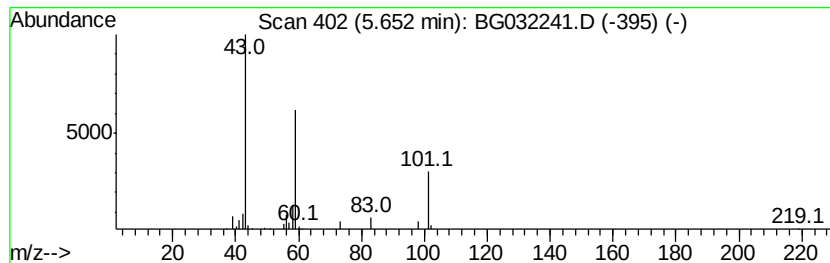
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Peak Number 2 unknown5.65 Concentration Rank 4

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.65 | 4.99 ng | 56304 | 1,4-Dichlorobenzene-d4 | 8.73 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | (+)-4-Amino-4,5-dihydro-2(3H)-f...  | 101 | C4H7NO2      | 016504-58-8  | 43      |      |      |
| 2    | n-Propyl t-butyl ether              | 116 | C7H16O       | 1000334-81-9 | 42      |      |      |
| 3    | Butyric acid, 3-bromo-, methyl e... | 180 | C5H9BrO2     | 021249-59-2  | 38      |      |      |
| 4    | Propane, 1,1-dipropoxy-             | 160 | C9H20O2      | 004744-11-0  | 38      |      |      |
| 5    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2      | 000057-71-6  | 35      |      |      |



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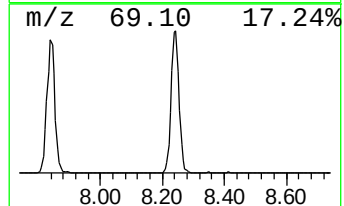
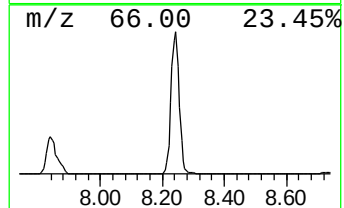
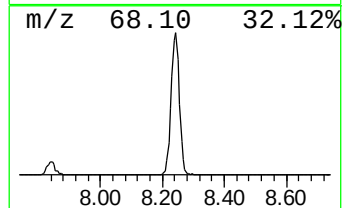
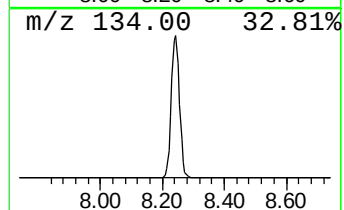
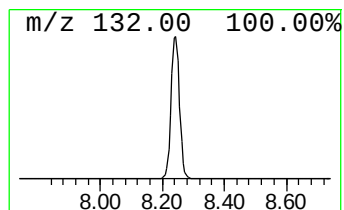
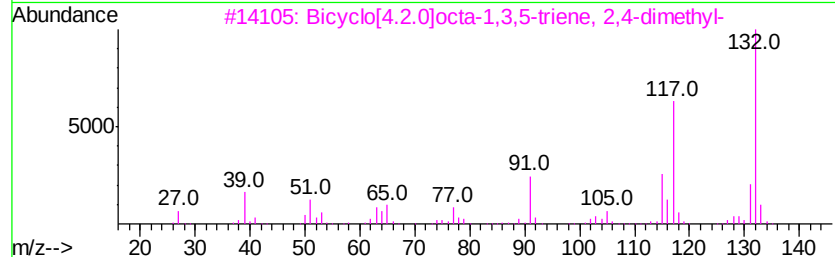
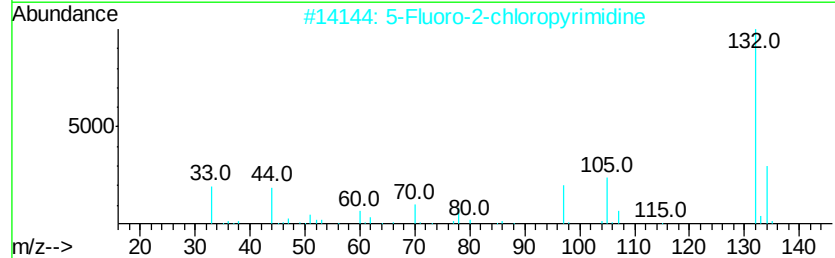
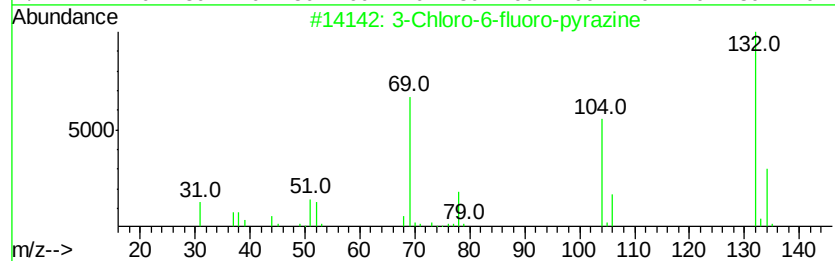
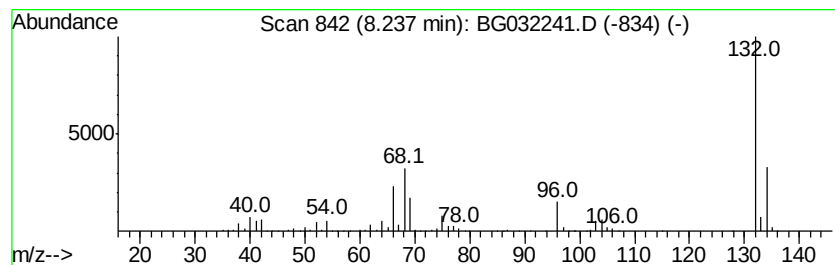
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Peak Number 3 unknown8.24 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 8.24 | 98.78 ng | 1113820 | 1,4-Dichlorobenzene-d4 | 8.73 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 25   |
| 2    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 17   |
| 3    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 4    |    | 1-Methylpyrrolo[1,2-a]pyrazine      | 132 | C8H8N2    | 064608-59-9  | 9    |
| 5    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 3.47 | 46.6    | ng    | 525735   | 1                     | 8.73 | 225526 | 20.0 |
| unknown5.65          | 5.65 | 5.0     | ng    | 56304    | 1                     | 8.73 | 225526 | 20.0 |
| unknown8.24          | 8.24 | 98.8    | ng    | 1113820  | 1                     | 8.73 | 225526 | 20.0 |