

Data Path : Z:\HPCHEM1\BNA G\DATA\BG093016\  
 Data File : BG024169.D  
 Acq On : 30 Sep 2016 21:17  
 Operator : UM/SJ  
 Sample : H4998-02  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SUP-B044-3-6

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % 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\_G\METHODS\8270-BG092316.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         | 2.894       | 5             | 9           | 23           | rVB      | 4198517        | 5990379       | 100.00%         | 22.580%       |
| 2         | 5.097       | 380           | 384         | 394          | rVB2     | 139185         | 233524        | 3.90%           | 0.880%        |
| 3         | 5.578       | 461           | 466         | 480          | rVB      | 706561         | 1225549       | 20.46%          | 4.620%        |
| 4         | 7.200       | 736           | 742         | 758          | rBV      | 744352         | 1470836       | 24.55%          | 5.544%        |
| 5         | 7.564       | 798           | 804         | 819          | rVB      | 767649         | 1350775       | 22.55%          | 5.092%        |
| 6         | 8.034       | 878           | 884         | 890          | rBV      | 151953         | 264077        | 4.41%           | 0.995%        |
| 7         | 8.357       | 932           | 939         | 946          | rBV      | 529653         | 942523        | 15.73%          | 3.553%        |
| 8         | 9.215       | 1078          | 1085        | 1099         | rBV      | 468833         | 920447        | 15.37%          | 3.469%        |
| 9         | 10.865      | 1358          | 1366        | 1376         | rBV      | 210011         | 411897        | 6.88%           | 1.553%        |
| 10        | 13.315      | 1773          | 1783        | 1794         | rBV      | 1317025        | 2143526       | 35.78%          | 8.080%        |
| 11        | 14.155      | 1918          | 1926        | 1936         | rBV      | 678202         | 1081101       | 18.05%          | 4.075%        |
| 12        | 14.707      | 2012          | 2020        | 2029         | rBV      | 434339         | 685920        | 11.45%          | 2.585%        |
| 13        | 16.211      | 2268          | 2276        | 2293         | rBV      | 1232665        | 2086899       | 34.84%          | 7.866%        |
| 14        | 17.474      | 2484          | 2491        | 2505         | rBV      | 599773         | 1019637       | 17.02%          | 3.843%        |
| 15        | 18.343      | 2634          | 2639        | 2645         | rBV4     | 43598          | 78140         | 1.30%           | 0.295%        |
| 16        | 20.082      | 2928          | 2935        | 2942         | rBV      | 3142623        | 4225086       | 70.53%          | 15.926%       |
| 17        | 21.780      | 3217          | 3224        | 3236         | rVB      | 690235         | 1243234       | 20.75%          | 4.686%        |
| 18        | 25.105      | 3779          | 3790        | 3807         | rBV      | 365706         | 1156225       | 19.30%          | 4.358%        |

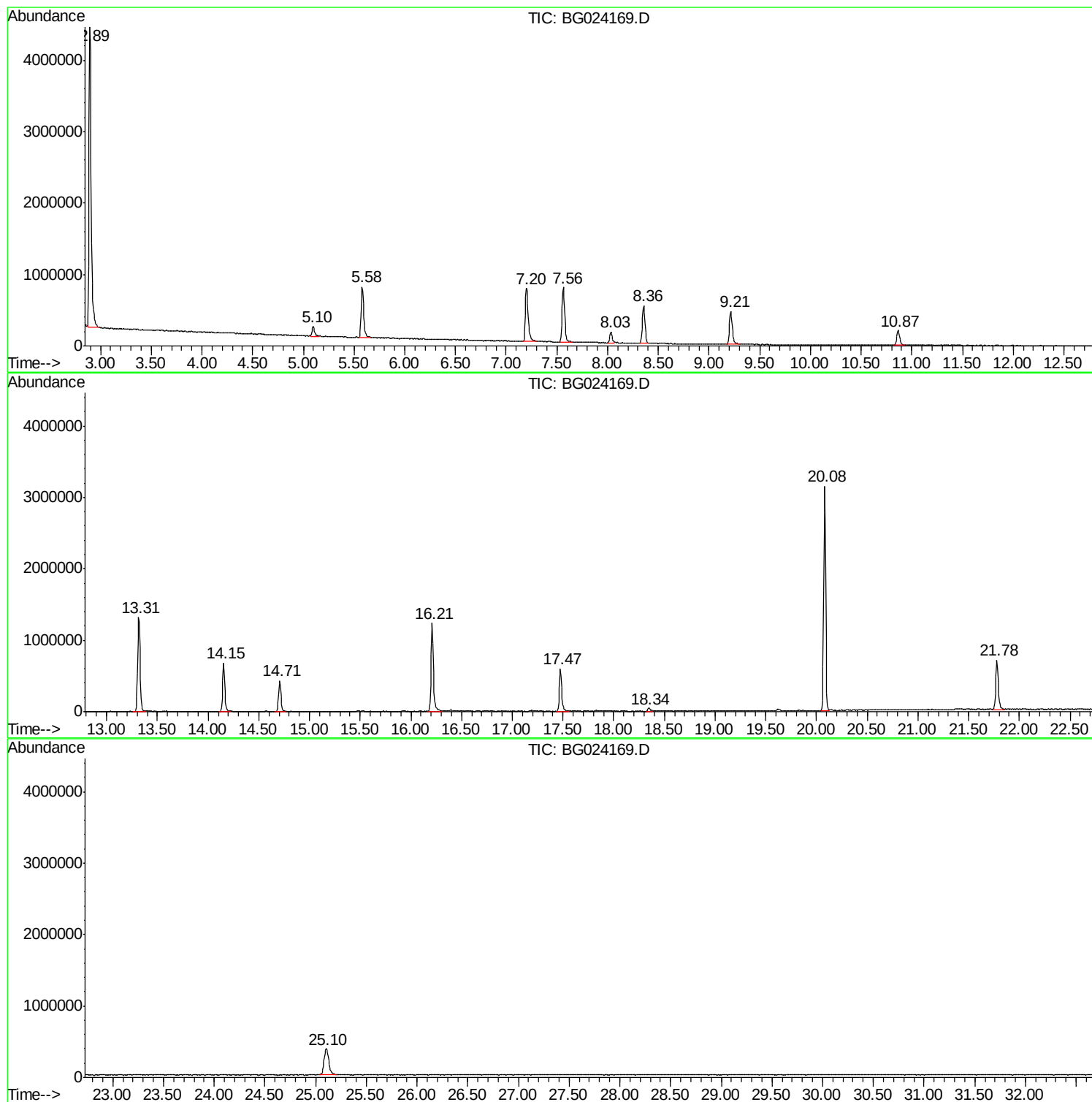
Sum of corrected areas: 26529775

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG092316.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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

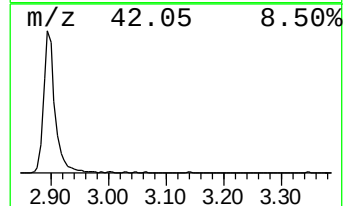
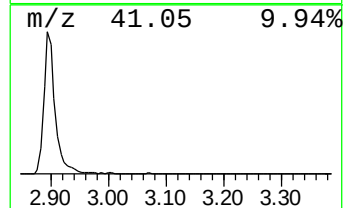
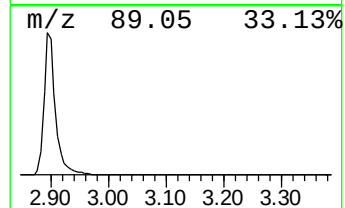
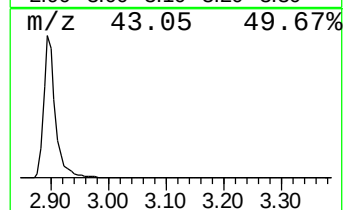
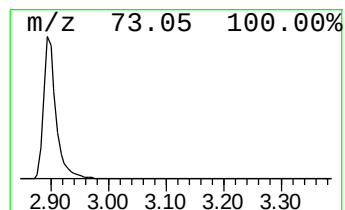
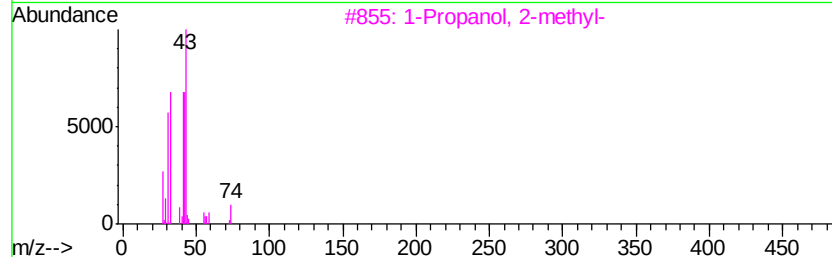
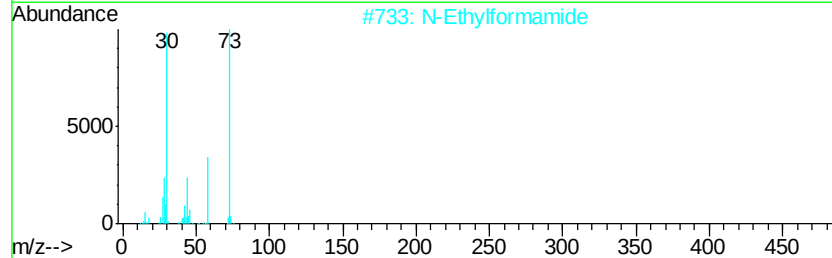
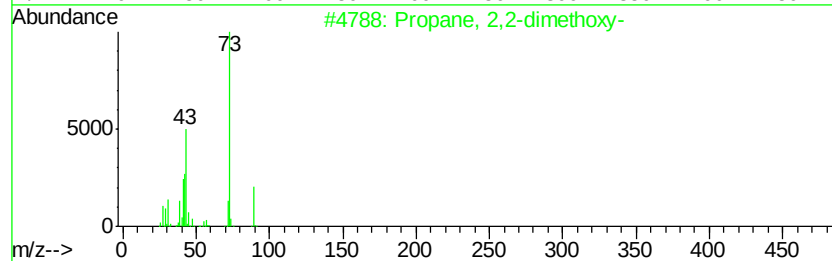
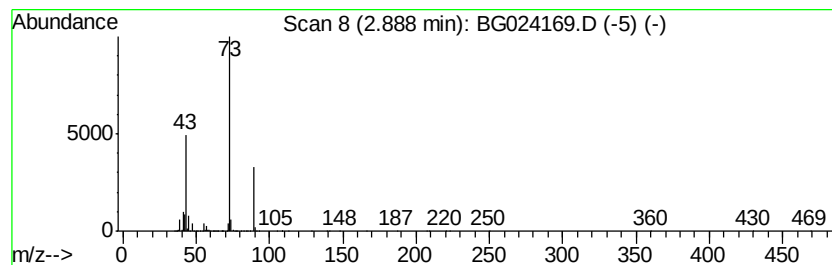
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown2.89 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 2.89 | 453.68 ng | 5990380 | 1,4-Dichlorobenzene-d4 | 8.03 |

| Hit# | of | Tentative ID                        | MW  | MolForm       | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------------|--------------|------|
| 1    | 5  | Propane, 2,2-dimethoxy-             | 104 | C5H12O2       | 000077-76-9  | 42   |
| 2    |    | N-Ethylformamide                    | 73  | C3H7NO        | 000627-45-2  | 9    |
| 3    |    | 1-Propanol, 2-methyl-               | 74  | C4H10O        | 000078-83-1  | 9    |
| 4    |    | 2-Hydroxy-2-methylbutyric acid      | 118 | C5H10O3       | 003739-30-8  | 9    |
| 5    |    | 1,3-Dioxolane, 2-(3-bromo-5,5,5-... | 352 | C10H16BrCl3O2 | 1000115-31-4 | 9    |



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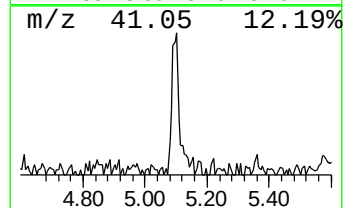
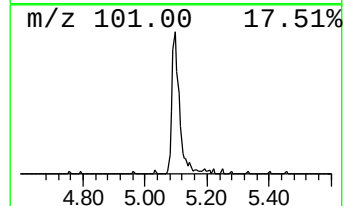
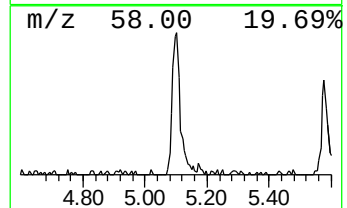
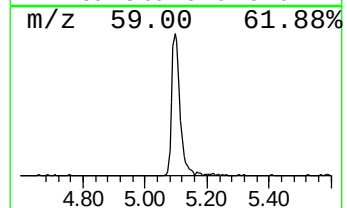
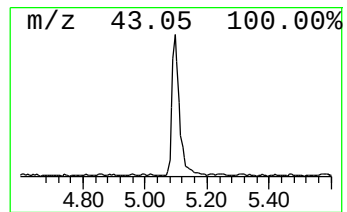
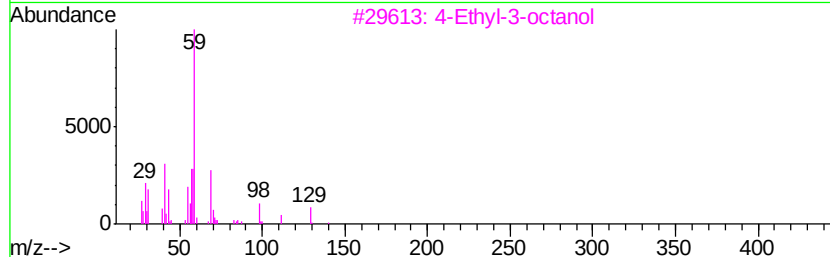
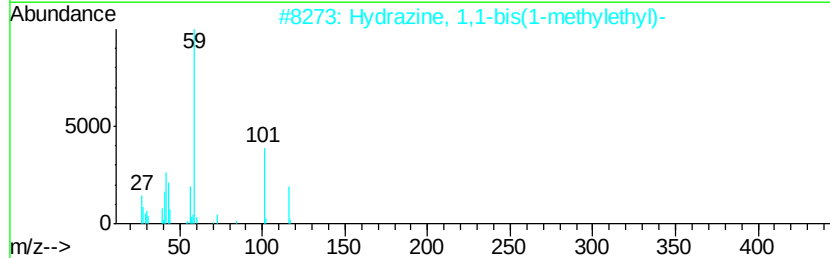
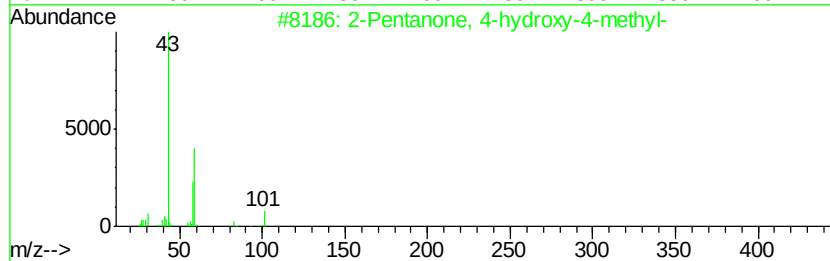
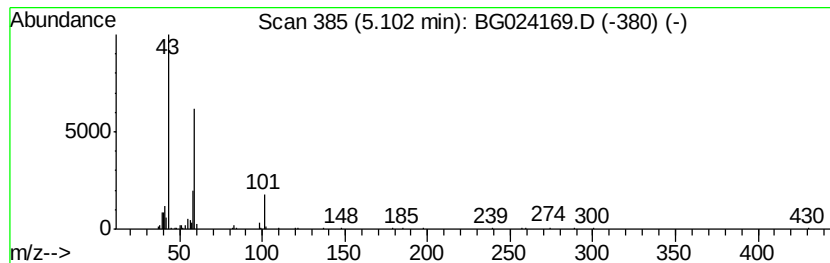
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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.10 | 17.69 ng | 233524 | 1,4-Dichlorobenzene-d4 | 8.03 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 45   |
| 2    |    | Hydrazine, 1,1-bis(1-methylethyl)-   | 116 | C6H16N2  | 000921-14-2 | 28   |
| 3    |    | 4-Ethyl-3-octanol                    | 158 | C10H22O  | 019781-26-1 | 17   |
| 4    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 12   |
| 5    |    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 9    |



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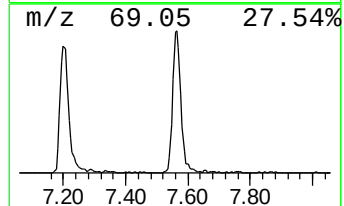
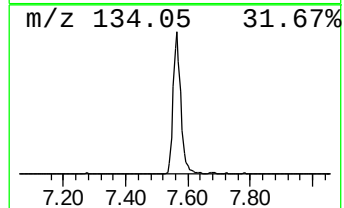
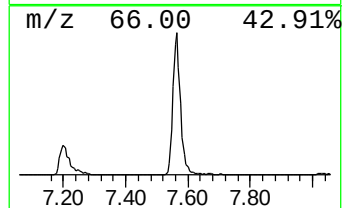
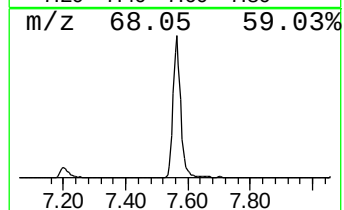
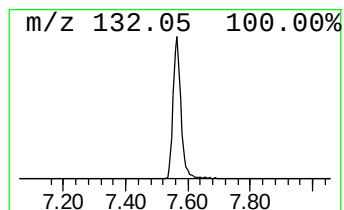
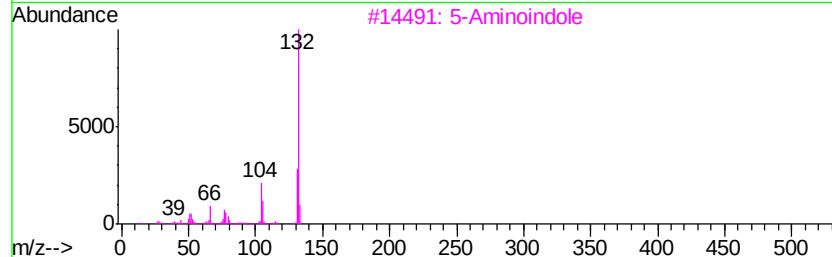
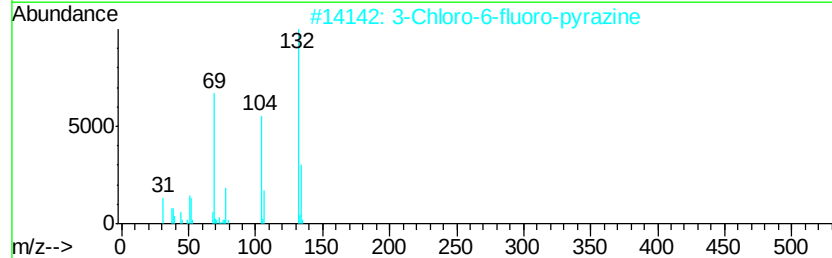
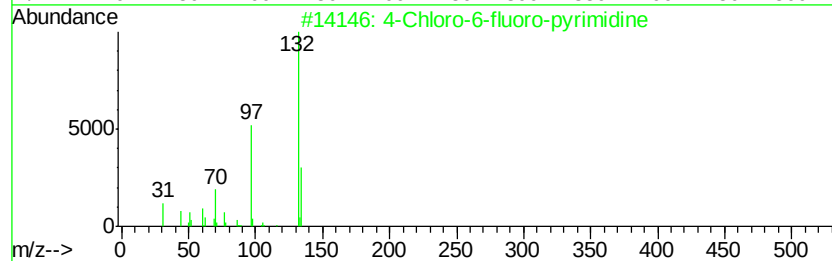
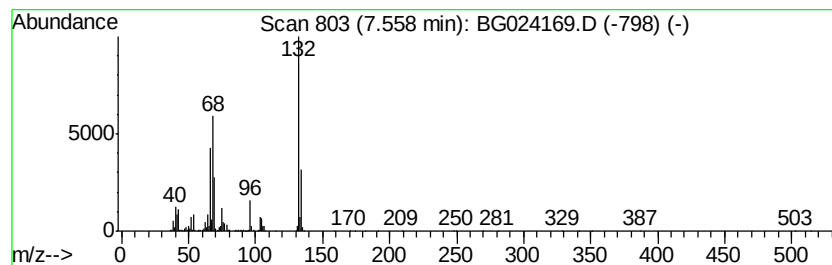
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown7.56 Concentration Rank 2

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.56 | 102.30 ng | 1350780 | 1,4-Dichlorobenzene-d4 | 8.03 |

| Hit# | of | Tentative ID                 | MW  | MolForm   | CAS#         | Qual |
|------|----|------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6  | 14   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine   | 132 | C4H2ClFN2 | 1000146-10-7 | 14   |
| 3    |    | 5-Aminoindole                | 132 | C8H8N2    | 005192-03-0  | 14   |
| 4    |    | Cyclopropanamine, 1-phenyl-  | 133 | C9H11N    | 1000351-26-2 | 10   |
| 5    |    | 1H-Benzimidazole, 2-methyl-  | 132 | C8H8N2    | 000615-15-6  | 10   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| unknown2.89          | 2.89 | 453.7   | ng    | 5990380  | 1                     | 8.03 | 264077 | 20.0 |
| 2-Pentanone, 4-hy... | 5.10 | 17.7    | ng    | 233524   | 1                     | 8.03 | 264077 | 20.0 |
| unknown7.56          | 7.56 | 102.3   | ng    | 1350780  | 1                     | 8.03 | 264077 | 20.0 |