

Data Path : Z:\HPCHEM1\BNA G\DATA\BG022716\  
 Data File : BG021127.D  
 Acq On : 27 Feb 2016 22:58  
 Operator : UM/SJ  
 Sample : PB88551BL  
 Misc :  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB88551BL

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-BG022616.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         | 3.084       | 37            | 42          | 62           | rVB      | 1255304        | 1626920       | 100.00%         | 32.243%       |
| 2         | 5.253       | 406           | 411         | 419          | rVB      | 31956          | 47156         | 2.90%           | 0.935%        |
| 3         | 5.717       | 484           | 490         | 498          | rVB      | 156998         | 248347        | 15.26%          | 4.922%        |
| 4         | 7.309       | 754           | 761         | 769          | rBB      | 163545         | 279430        | 17.18%          | 5.538%        |
| 5         | 7.697       | 820           | 827         | 834          | rBB      | 160308         | 267459        | 16.44%          | 5.301%        |
| 6         | 8.167       | 900           | 907         | 913          | rBV      | 29131          | 46467         | 2.86%           | 0.921%        |
| 7         | 8.490       | 955           | 962         | 969          | rBB      | 111696         | 184746        | 11.36%          | 3.661%        |
| 8         | 9.330       | 1097          | 1105        | 1112         | rBB      | 98474          | 172588        | 10.61%          | 3.420%        |
| 9         | 10.975      | 1379          | 1385        | 1392         | rBB      | 40484          | 71045         | 4.37%           | 1.408%        |
| 10        | 13.402      | 1791          | 1798        | 1805         | rBB      | 255627         | 387709        | 23.83%          | 7.684%        |
| 11        | 14.771      | 2025          | 2031        | 2037         | rBB2     | 63623          | 101793        | 6.26%           | 2.017%        |
| 12        | 16.251      | 2277          | 2283        | 2290         | rBB      | 235760         | 347011        | 21.33%          | 6.877%        |
| 13        | 17.509      | 2490          | 2497        | 2503         | rBB2     | 96674          | 145202        | 8.92%           | 2.878%        |
| 14        | 20.100      | 2932          | 2938        | 2943         | rBV      | 594284         | 782846        | 48.12%          | 15.515%       |
| 15        | 21.768      | 3215          | 3222        | 3229         | rVB      | 114261         | 179793        | 11.05%          | 3.563%        |
| 16        | 25.047      | 3770          | 3780        | 3792         | rVB2     | 56227          | 157312        | 9.67%           | 3.118%        |

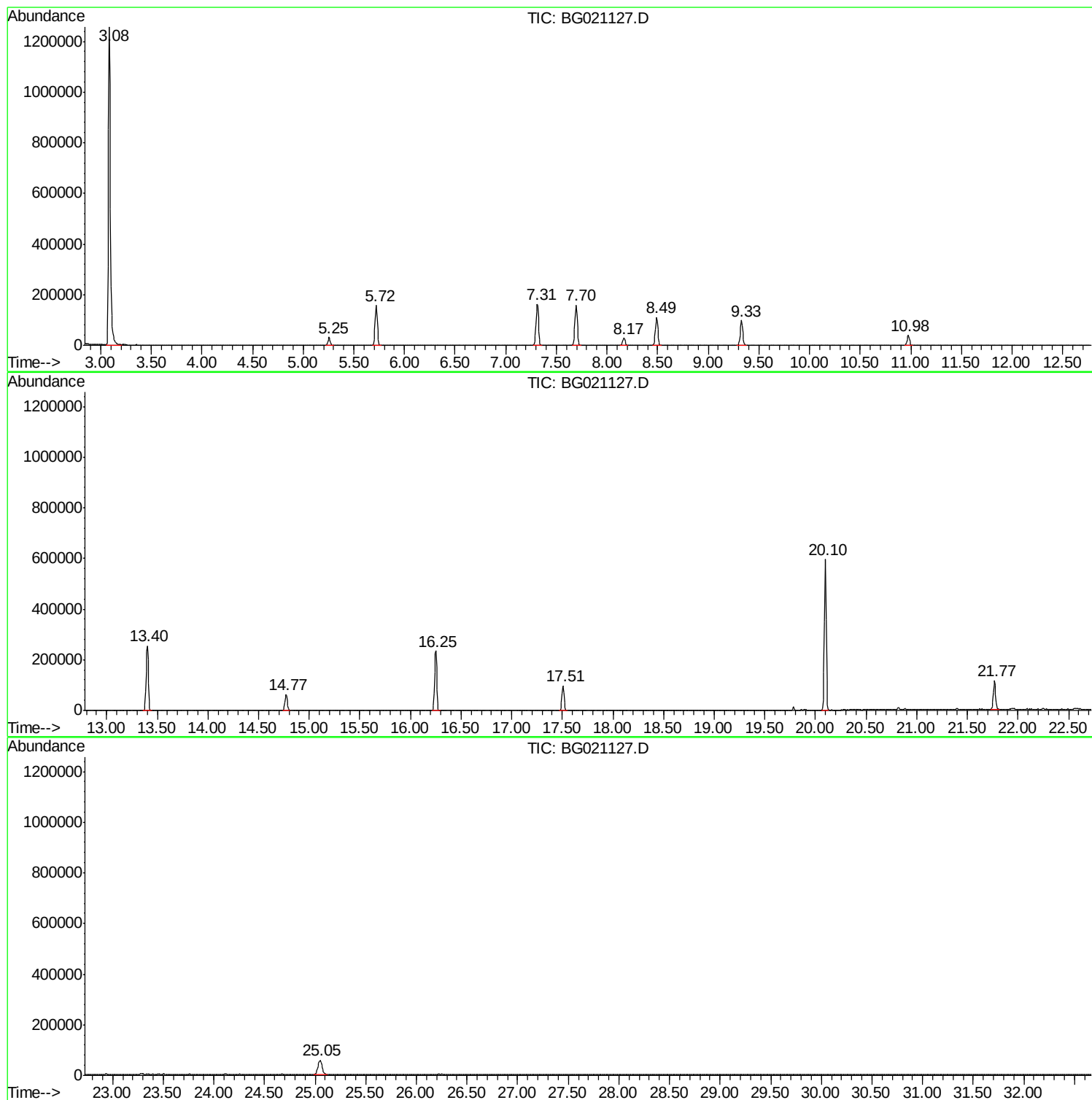
Sum of corrected areas: 5045824

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022616.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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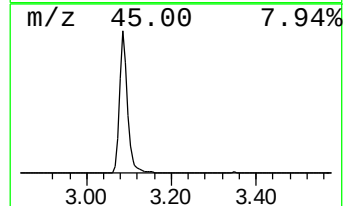
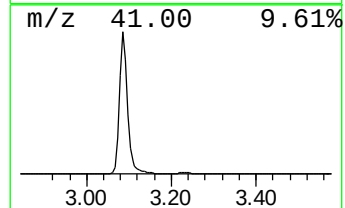
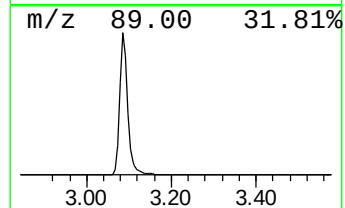
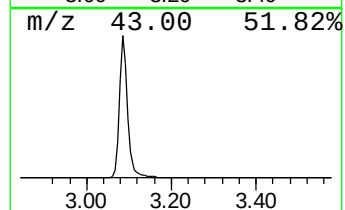
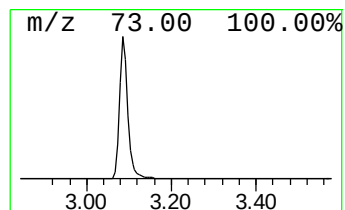
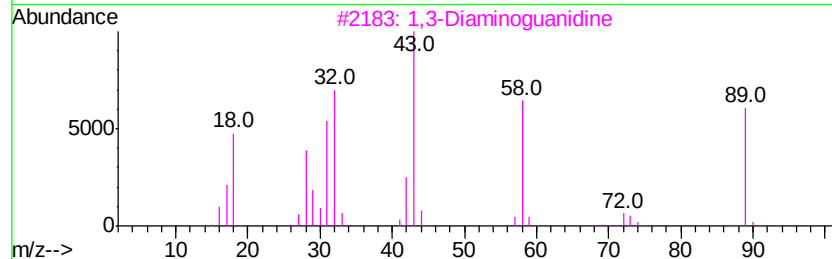
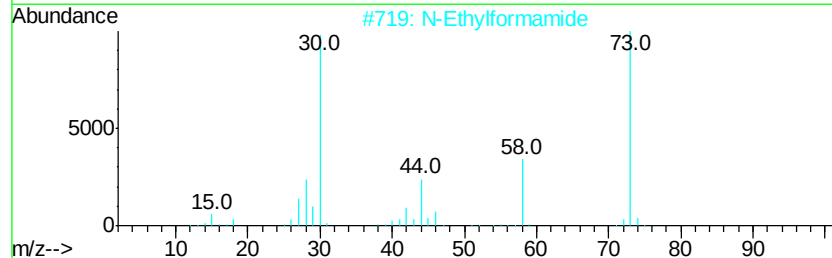
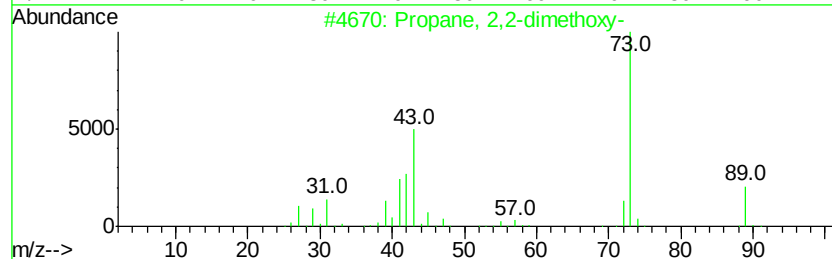
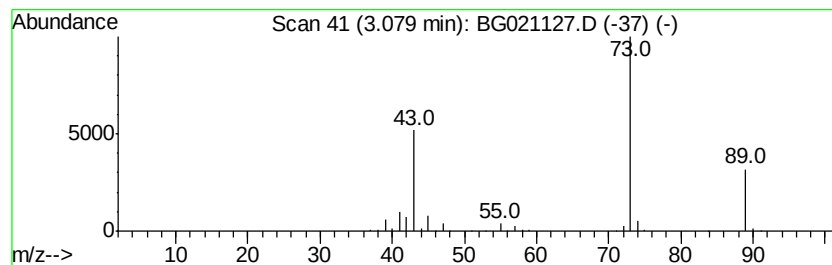
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022616.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown3.08 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 3.08 | 700.25 ng | 1626920 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Propane, 2,2-dimethoxy-             | 104 | C5H12O2  | 000077-76-9 | 38   |
| 2    |    | N-Ethylformamide                    | 73  | C3H7NO   | 000627-45-2 | 9    |
| 3    |    | 1,3-Diaminoquanidine                | 89  | CH7N5    | 004364-78-7 | 9    |
| 4    |    | 1-Propanol, 2-methyl-               | 74  | C4H10O   | 000078-83-1 | 9    |
| 5    |    | 1-Hexen-4-ol, 1-chloro-3,5-dimet... | 162 | C8H15ClO | 100244-09-5 | 9    |



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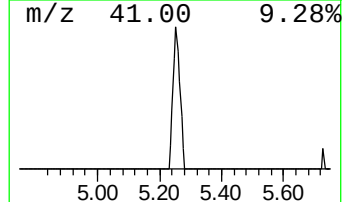
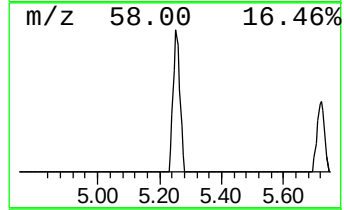
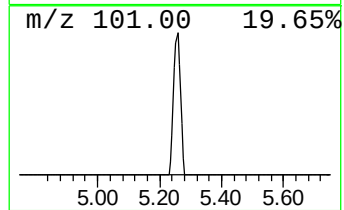
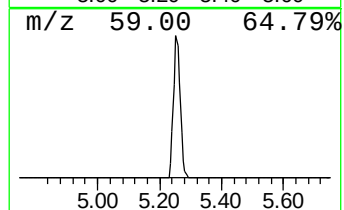
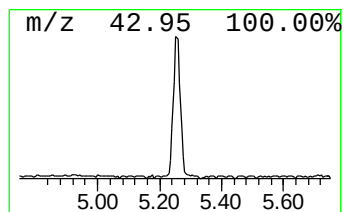
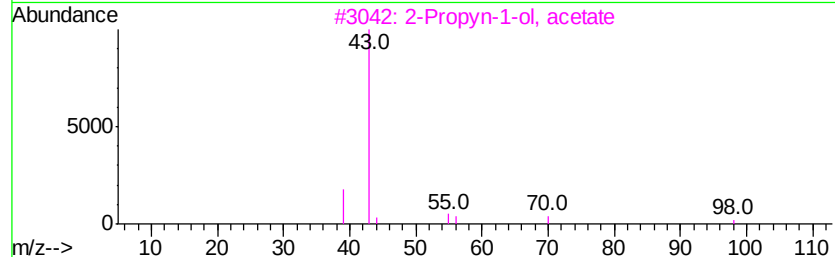
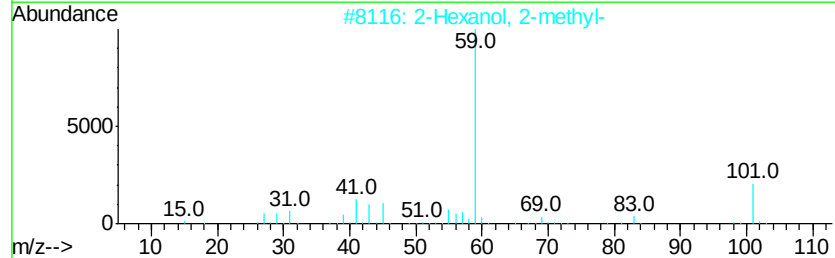
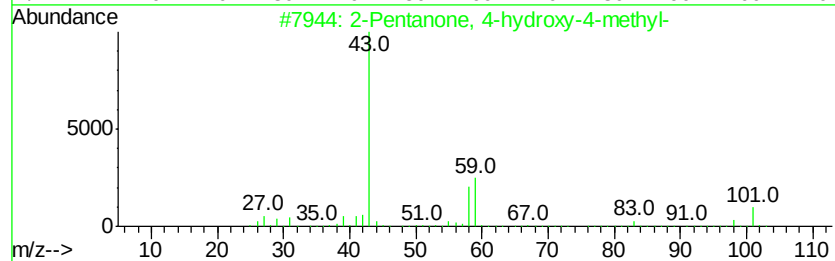
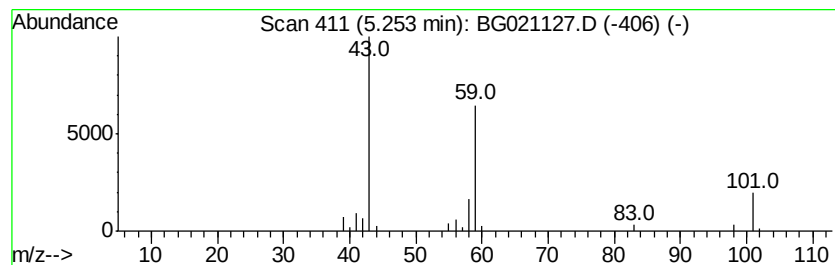
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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc  | Area  | Relative to ISTD       | R.T. |
|------|----------|-------|------------------------|------|
| 5.25 | 20.30 ng | 47156 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64   |
| 2    |    |   | 2-Hexanol, 2-methyl-             | 116 | C7H16O  | 000625-23-0 | 40   |
| 3    |    |   | 2-Propyn-1-ol, acetate           | 98  | C5H6O2  | 000627-09-8 | 9    |
| 4    |    |   | 2,3-Butanedione, monooxime       | 101 | C4H7NO2 | 000057-71-6 | 9    |
| 5    |    |   | 4-Penten-2-one, 4-methyl-        | 98  | C6H10O  | 003744-02-3 | 9    |



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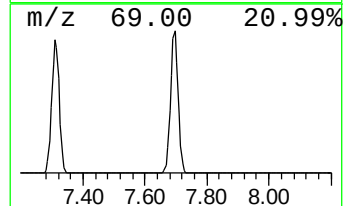
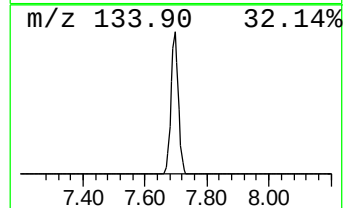
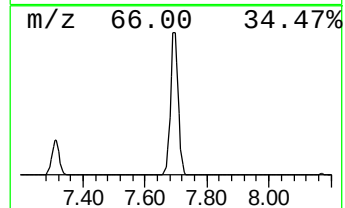
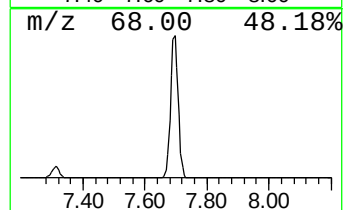
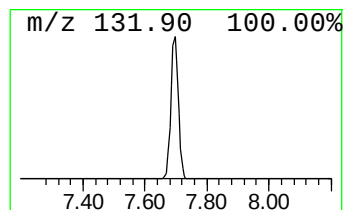
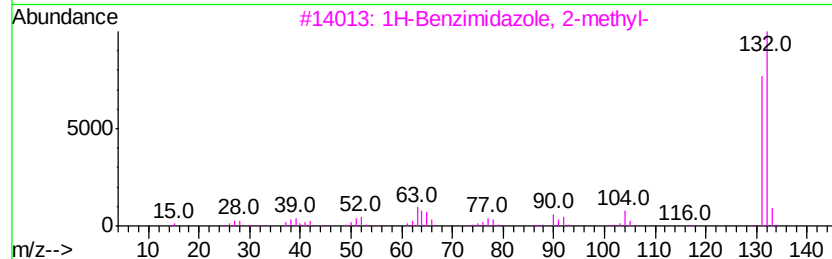
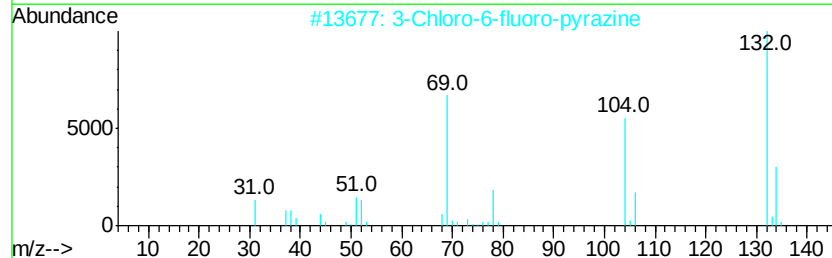
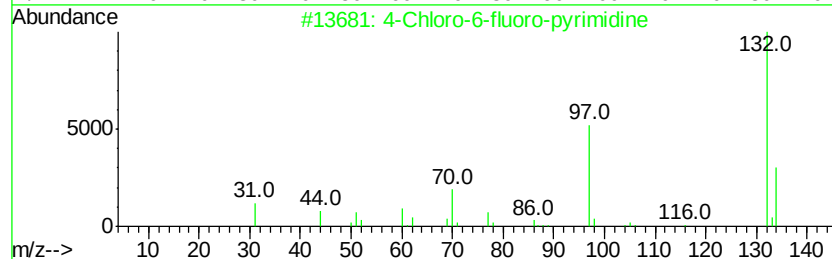
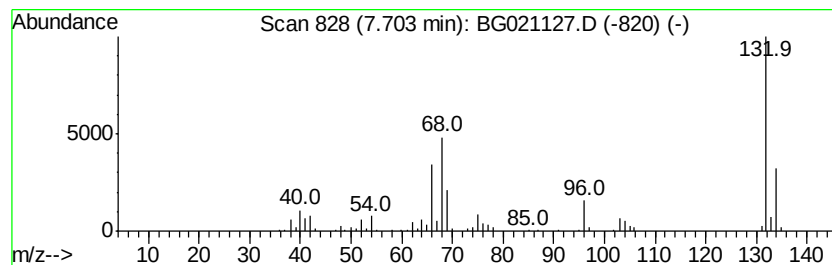
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown7.70 Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD       | R.T. |
|------|-----------|--------|------------------------|------|
| 7.70 | 115.12 ng | 267459 | 1,4-Dichlorobenzene-d4 | 8.17 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 4-Chloro-6-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 3    |    | 1H-Benzimidazole, 2-methyl-         | 132 | C8H8N2    | 000615-15-6  | 22   |
| 4    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 5    |    | Benzene, 1-methyl-4-(1-methyleth... | 132 | C10H12    | 001195-32-0  | 10   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |       |      |
|----------------------|------|---------|-------|----------|-----------------------|------|-------|------|
|                      |      |         |       |          | #                     | RT   | Resp  | Conc |
| unknown3.08          | 3.08 | 700.3   | ng    | 1626920  | 1                     | 8.17 | 46467 | 20.0 |
| 2-Pentanone, 4-hy... | 5.25 | 20.3    | ng    | 47156    | 1                     | 8.17 | 46467 | 20.0 |
| unknown7.70          | 7.70 | 115.1   | ng    | 267459   | 1                     | 8.17 | 46467 | 20.0 |