

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121315\  
 Data File : BG020138.D  
 Acq On : 13 Dec 2015 10:47  
 Operator : UM/SJ  
 Sample : G4772-07  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 VITALE-FILL-SOURCE-7A

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-BG120215.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         | 2.979       | 18            | 24          | 44           | rVB      | 1814102        | 2526348       | 100.00%         | 21.604%       |
| 2         | 5.171       | 392           | 397         | 406          | rVB      | 88606          | 133650        | 5.29%           | 1.143%        |
| 3         | 5.647       | 471           | 478         | 487          | rVB      | 391463         | 603311        | 23.88%          | 5.159%        |
| 4         | 7.251       | 743           | 751         | 762          | rBV      | 417343         | 708749        | 28.05%          | 6.061%        |
| 5         | 7.627       | 808           | 815         | 827          | rBV      | 398857         | 676102        | 26.76%          | 5.782%        |
| 6         | 8.097       | 887           | 895         | 903          | rVB      | 72218          | 121120        | 4.79%           | 1.036%        |
| 7         | 8.426       | 943           | 951         | 959          | rBV      | 279444         | 476649        | 18.87%          | 4.076%        |
| 8         | 9.266       | 1087          | 1094        | 1103         | rBV      | 253081         | 439005        | 17.38%          | 3.754%        |
| 9         | 10.917      | 1368          | 1375        | 1383         | rBV      | 99040          | 180710        | 7.15%           | 1.545%        |
| 10        | 13.355      | 1781          | 1790        | 1796         | rBV      | 710635         | 1105963       | 43.78%          | 9.458%        |
| 11        | 14.172      | 1923          | 1929        | 1936         | rVB      | 98147          | 139066        | 5.50%           | 1.189%        |
| 12        | 14.730      | 2016          | 2024        | 2032         | rVB2     | 187972         | 302992        | 11.99%          | 2.591%        |
| 13        | 16.211      | 2267          | 2276        | 2285         | rBV      | 739106         | 1086277       | 43.00%          | 9.289%        |
| 14        | 16.416      | 2305          | 2311        | 2319         | rBV      | 16111          | 27522         | 1.09%           | 0.235%        |
| 15        | 17.468      | 2483          | 2490        | 2499         | rBV2     | 275882         | 411837        | 16.30%          | 3.522%        |
| 16        | 20.071      | 2927          | 2933        | 2943         | rBV      | 1388042        | 1813738       | 71.79%          | 15.510%       |
| 17        | 21.364      | 3147          | 3153        | 3160         | rBV5     | 17676          | 33958         | 1.34%           | 0.290%        |
| 18        | 21.734      | 3210          | 3216        | 3225         | rVB      | 288966         | 476067        | 18.84%          | 4.071%        |
| 19        | 25.006      | 3761          | 3773        | 3785         | rVB      | 155014         | 430920        | 17.06%          | 3.685%        |

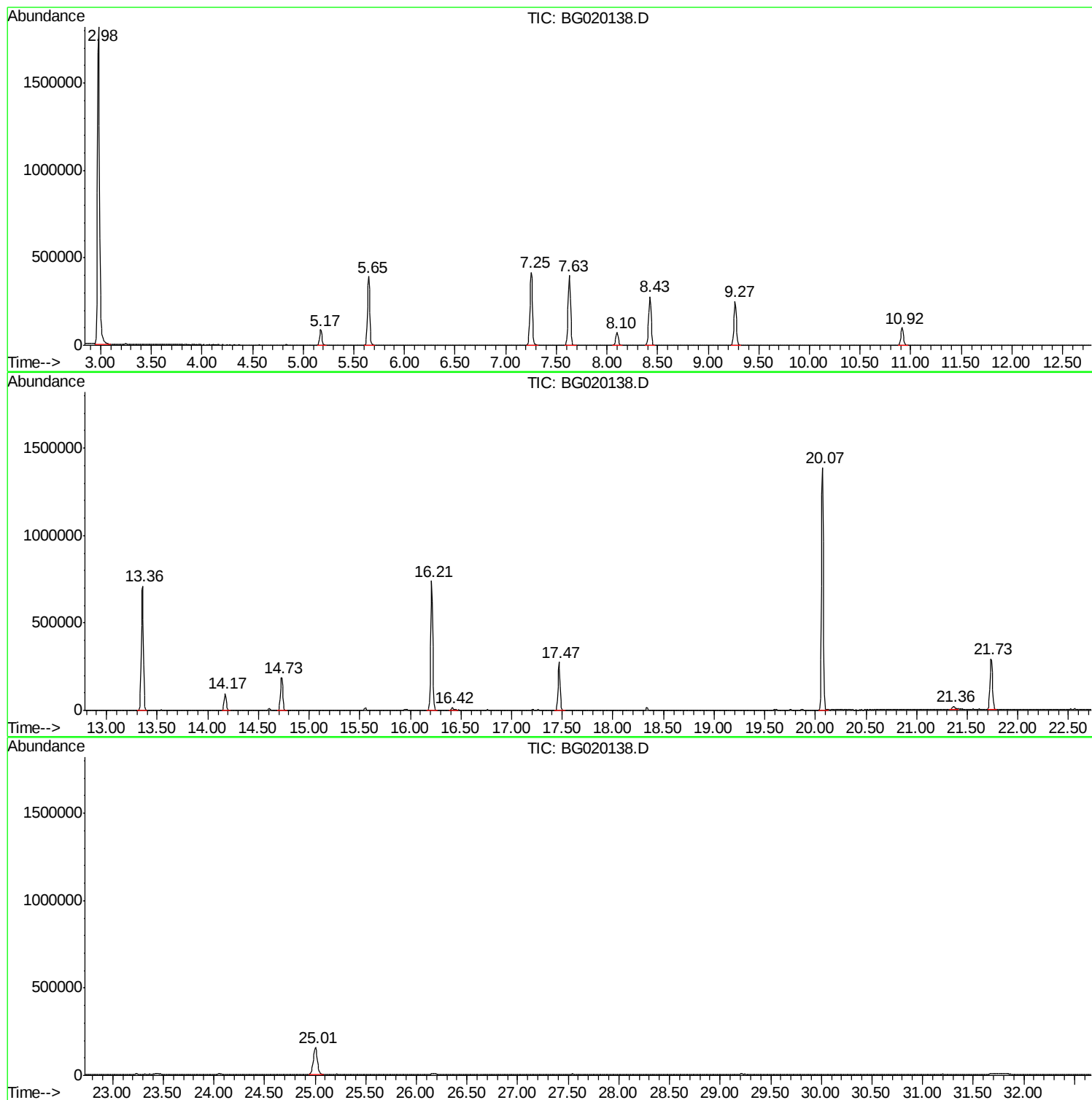
Sum of corrected areas: 11693984

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.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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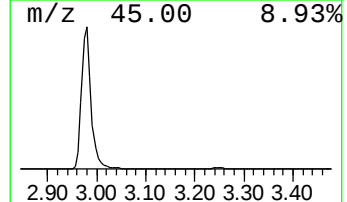
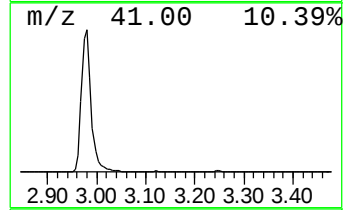
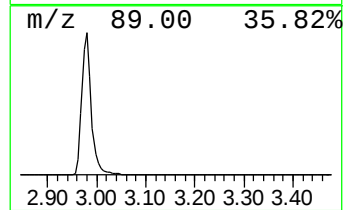
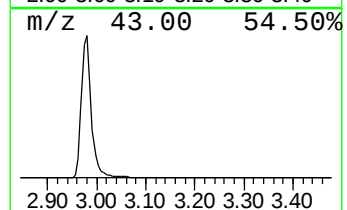
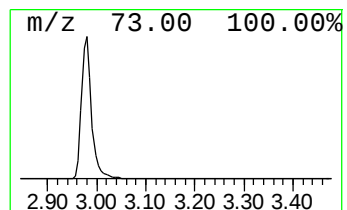
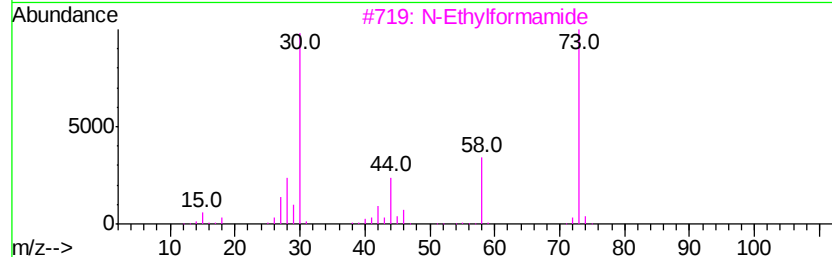
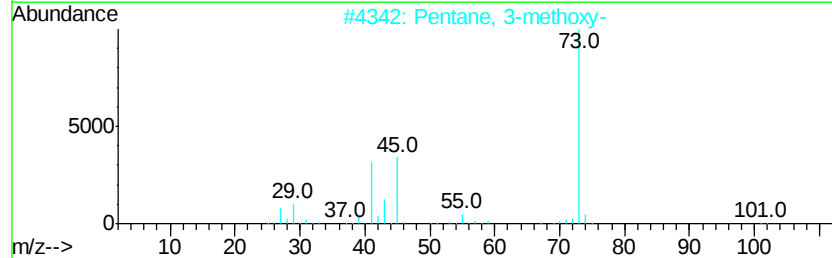
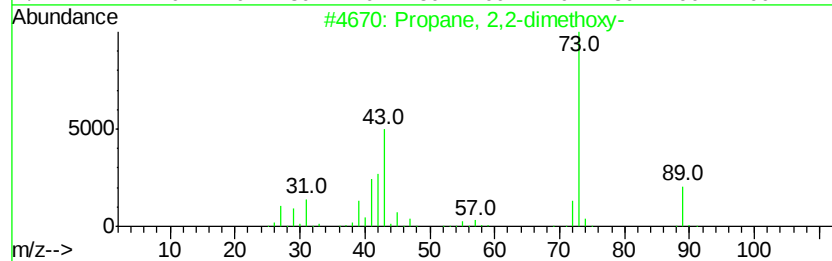
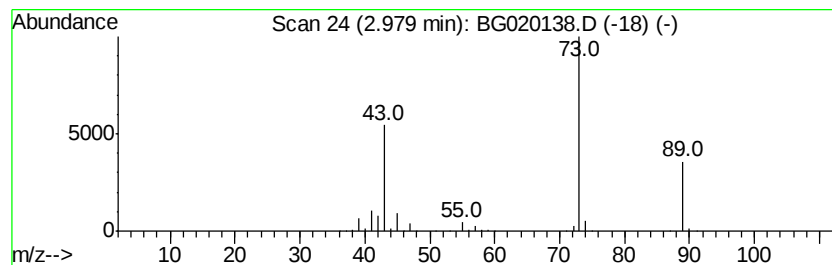
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG120215.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown2.98 Concentration Rank 1

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 2.98 | 417.16 ng | 2526350 | 1,4-Dichlorobenzene-d4 | 8.10 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Propane, 2,2-dimethoxyv- | 104 | C5H12O2 | 000077-76-9 | 38   |
| 2    |    | Pentane, 3-methoxyv-     | 102 | C6H14O  | 036839-67-5 | 12   |
| 3    |    | N-Ethylformamide         | 73  | C3H7NO  | 000627-45-2 | 9    |
| 4    |    | 1-Propanol, 2-methyl-    | 74  | C4H10O  | 000078-83-1 | 9    |
| 5    |    | 1,3-Diaminoguanidine     | 89  | CH7N5   | 004364-78-7 | 9    |



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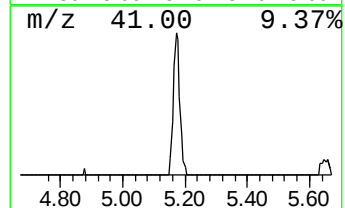
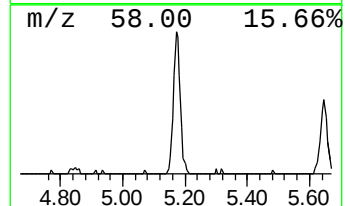
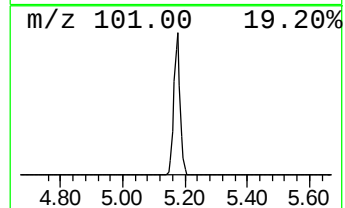
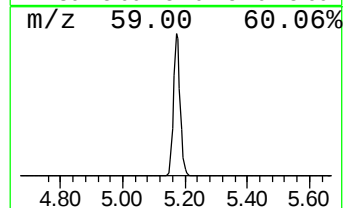
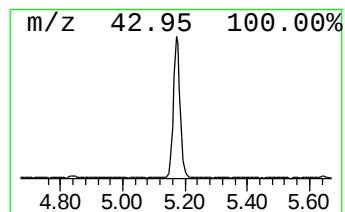
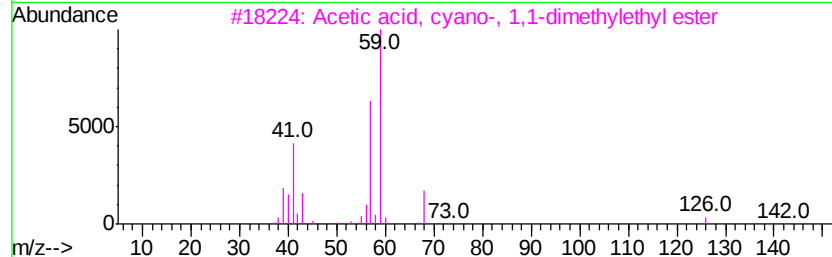
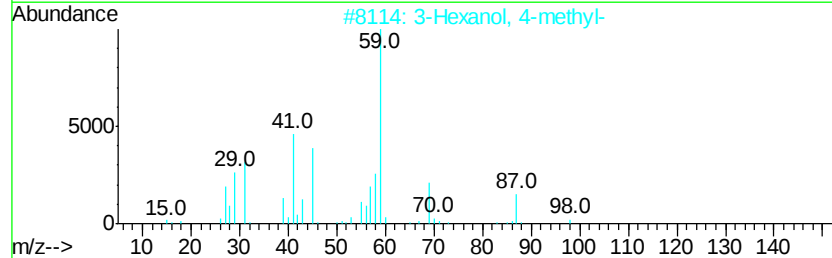
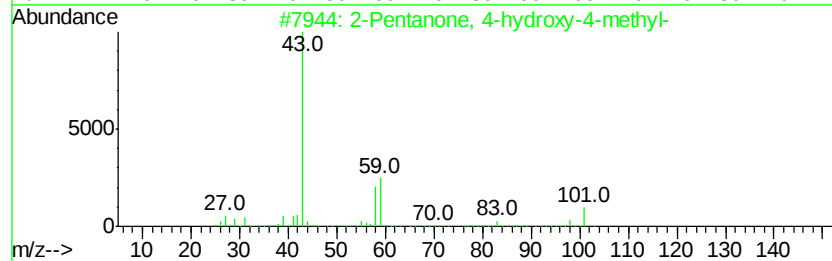
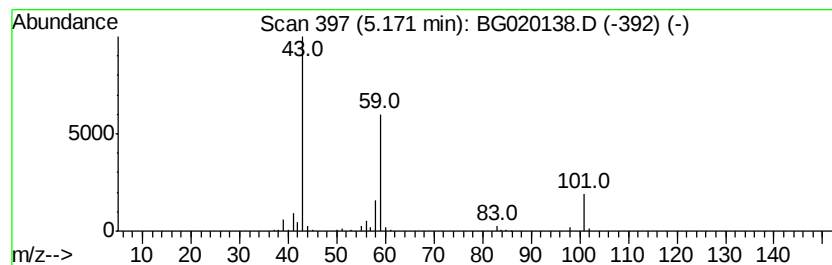
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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.17 | 22.07 ng | 133650 | 1,4-Dichlorobenzene-d4 | 8.10 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 64   |
| 2    |    | 3-Hexanol, 4-methyl-                 | 116 | C7H16O   | 000615-29-2 | 28   |
| 3    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 4    |    | (+)-4-Amino-4,5-dihydro-2(3H)-f...   | 101 | C4H7NO2  | 016504-58-8 | 9    |
| 5    |    | Butane, 1-ethoxy-                    | 102 | C6H14O   | 000628-81-9 | 9    |



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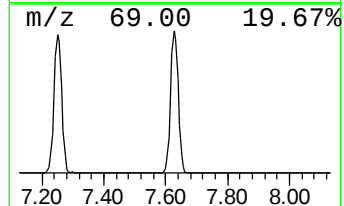
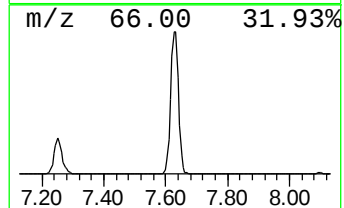
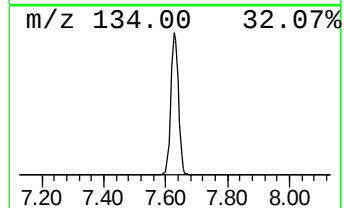
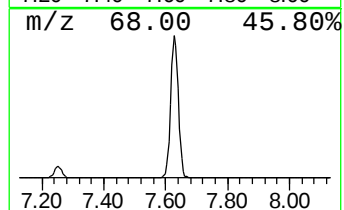
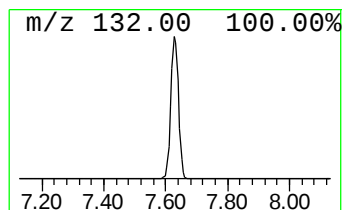
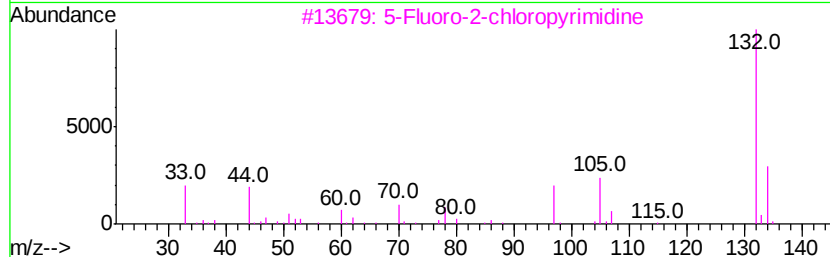
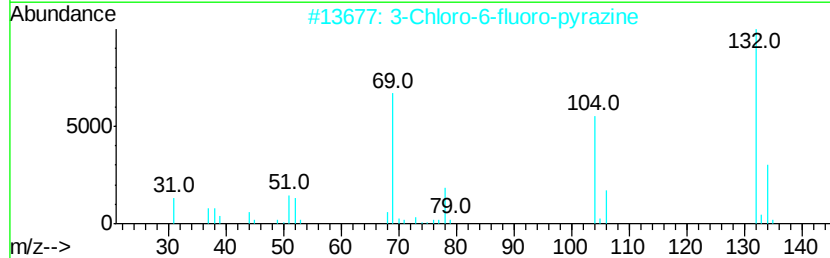
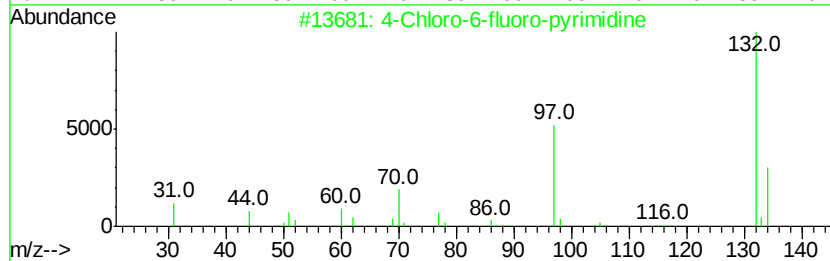
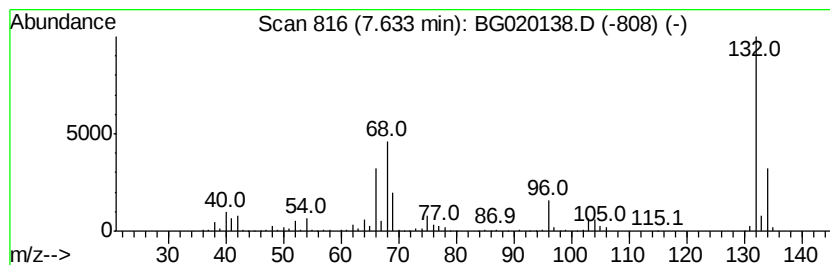
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Peak Number 3 unknown7.63 Concentration Rank 2

| R.T. | EstConc   | Area   | Relative to ISTD       | R.T. |
|------|-----------|--------|------------------------|------|
| 7.63 | 111.64 ng | 676102 | 1,4-Dichlorobenzene-d4 | 8.10 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|---|----------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 27   |
| 2    |    |   | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 3    |    |   | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 4    |    |   | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2    | 1000241-93-9 | 10   |
| 5    |    |   | 1,2,3-Trifluorobenzene           | 132 | C6H3F3    | 001489-53-8  | 9    |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| unknown2.98          | 2.98 | 417.2   | ng    | 2526350  | 1                     | 8.10 | 121120 | 20.0 |
| 2-Pentanone, 4-hy... | 5.17 | 22.1    | ng    | 133650   | 1                     | 8.10 | 121120 | 20.0 |
| unknown7.63          | 7.63 | 111.6   | ng    | 676102   | 1                     | 8.10 | 121120 | 20.0 |