

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG101015\  
 Data File : BG019134.D  
 Acq On : 11 Oct 2015 1:40  
 Operator : UM/NP  
 Sample : G3929-09  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-04

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-BG101015.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         | 3.143       | 47            | 52          | 60           | rBV      | 49790          | 83668         | 4.48%           | 1.074%        |
| 2         | 3.213       | 60            | 64          | 75           | rVB      | 185984         | 253371        | 13.55%          | 3.252%        |
| 3         | 5.135       | 386           | 391         | 403          | rVB      | 51681          | 73447         | 3.93%           | 0.943%        |
| 4         | 5.605       | 464           | 471         | 481          | rVB      | 146094         | 230385        | 12.32%          | 2.957%        |
| 5         | 7.191       | 734           | 741         | 751          | rVB      | 96902          | 159589        | 8.54%           | 2.048%        |
| 6         | 7.561       | 796           | 804         | 812          | rBV      | 285571         | 490308        | 26.23%          | 6.292%        |
| 7         | 8.031       | 878           | 884         | 891          | rVB      | 59975          | 98739         | 5.28%           | 1.267%        |
| 8         | 8.354       | 930           | 939         | 948          | rBV      | 271277         | 457574        | 24.48%          | 5.872%        |
| 9         | 9.189       | 1071          | 1081        | 1093         | rBV      | 257619         | 451613        | 24.16%          | 5.796%        |
| 10        | 10.834      | 1354          | 1361        | 1370         | rBV      | 86374          | 152739        | 8.17%           | 1.960%        |
| 11        | 13.284      | 1771          | 1778        | 1785         | rBV      | 764873         | 1136457       | 60.79%          | 14.585%       |
| 12        | 14.659      | 2006          | 2012        | 2020         | rBV2     | 155320         | 240423        | 12.86%          | 3.086%        |
| 13        | 16.145      | 2259          | 2265        | 2278         | rBV      | 657809         | 977010        | 52.26%          | 12.539%       |
| 14        | 17.403      | 2473          | 2479        | 2486         | rBV2     | 217056         | 323749        | 17.32%          | 4.155%        |
| 15        | 20.017      | 2918          | 2924        | 2930         | rBV      | 1422428        | 1869505       | 100.00%         | 23.993%       |
| 16        | 21.674      | 3199          | 3206        | 3214         | rBV      | 260106         | 414180        | 22.15%          | 5.315%        |
| 17        | 24.900      | 3744          | 3755        | 3766         | rBV2     | 139096         | 379191        | 20.28%          | 4.866%        |

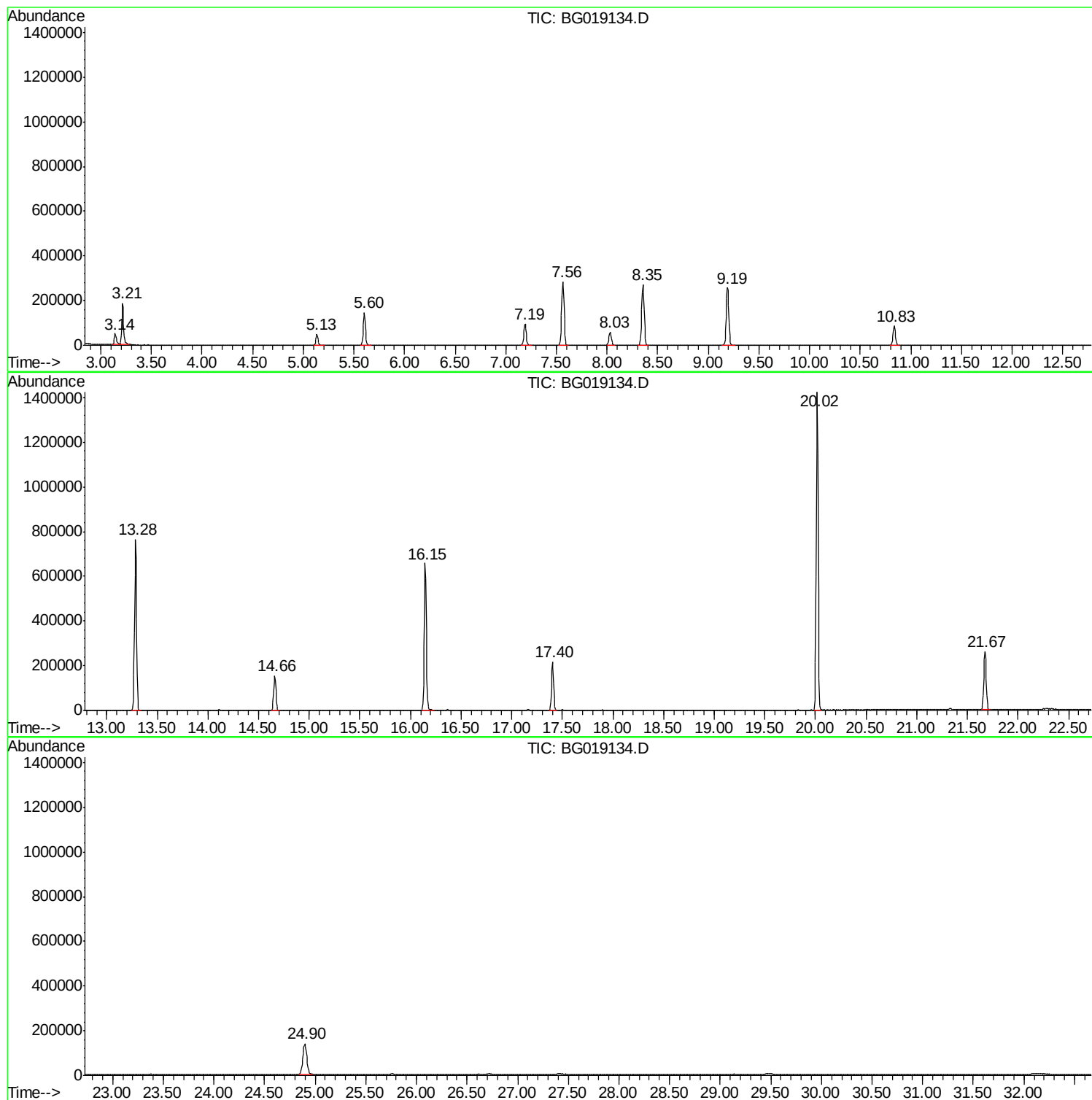
Sum of corrected areas: 7791948

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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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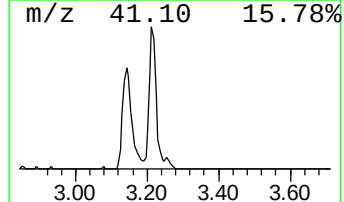
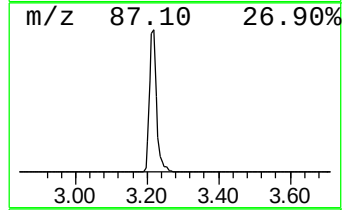
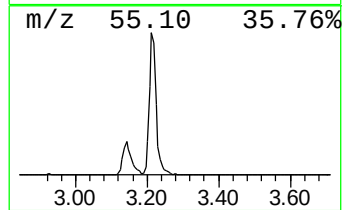
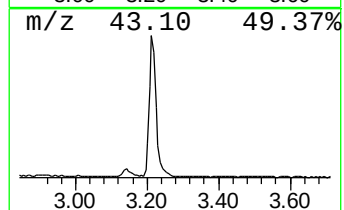
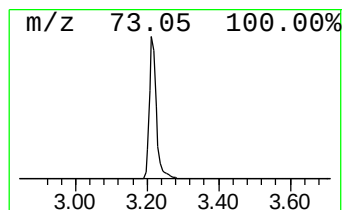
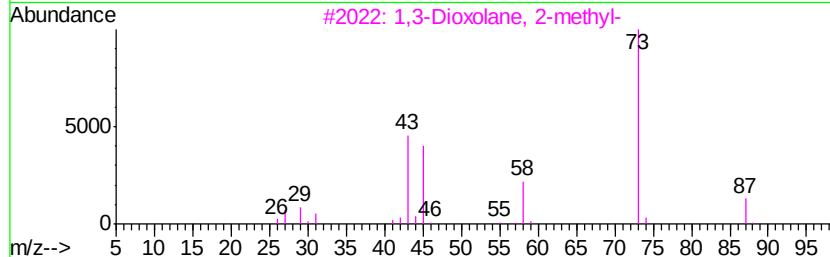
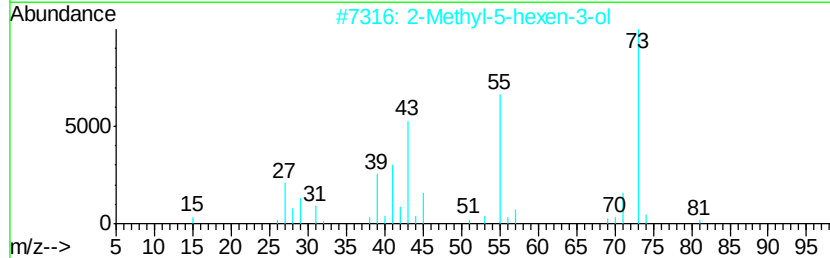
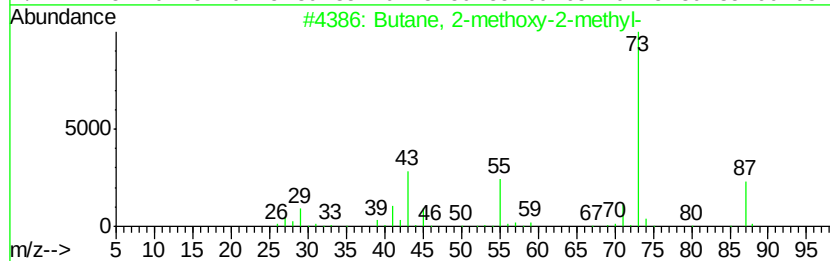
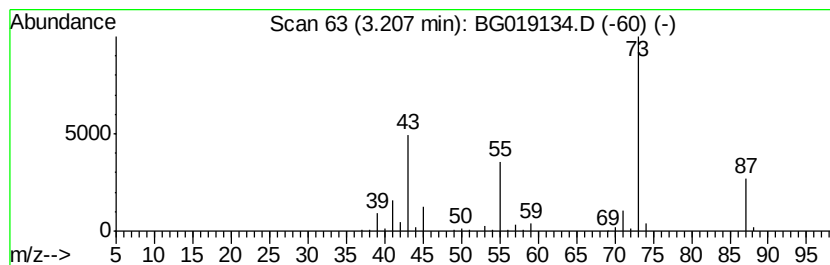
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG101015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 3.21 | 51.32 ng | 253371 | 1,4-Dichlorobenzene-d4 | 8.03 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | 2-Methyl-5-hexen-3-ol       | 114 | C7H14O  | 032815-70-6 | 25   |
| 3    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 23   |
| 4    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 17   |
| 5    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |



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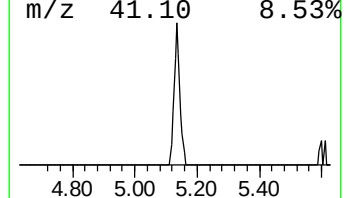
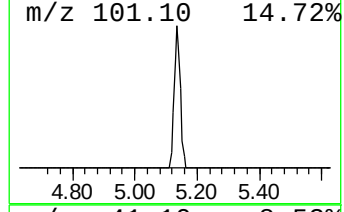
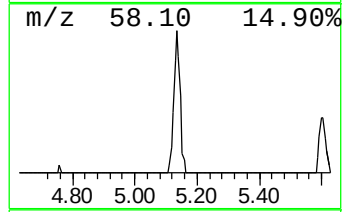
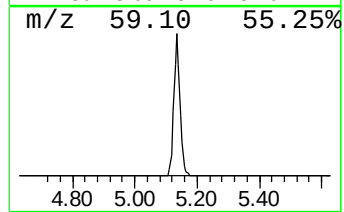
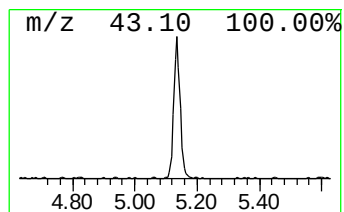
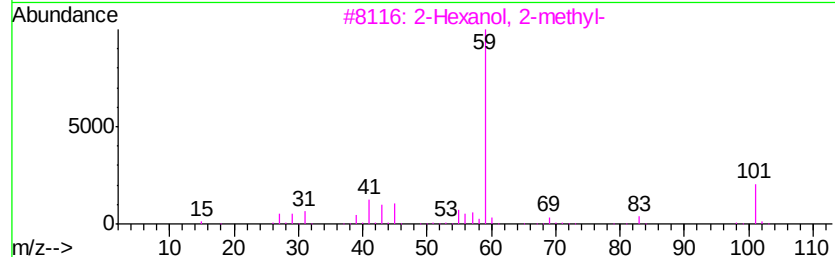
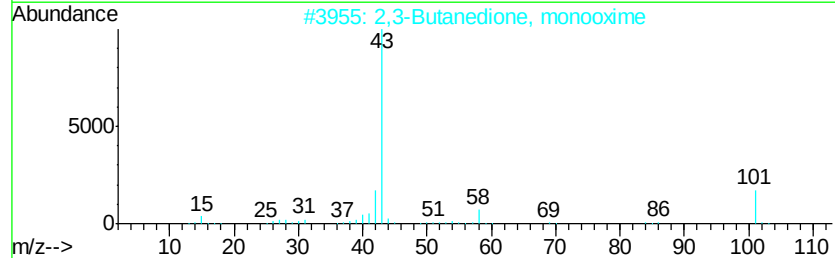
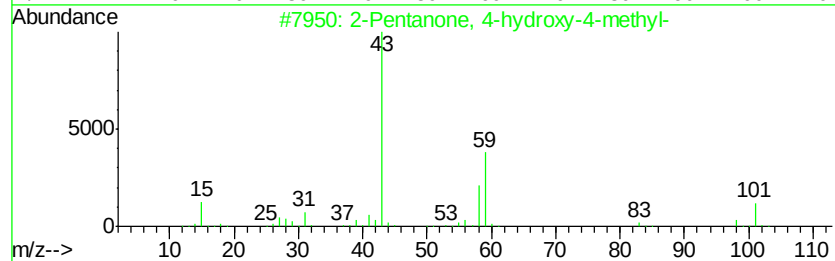
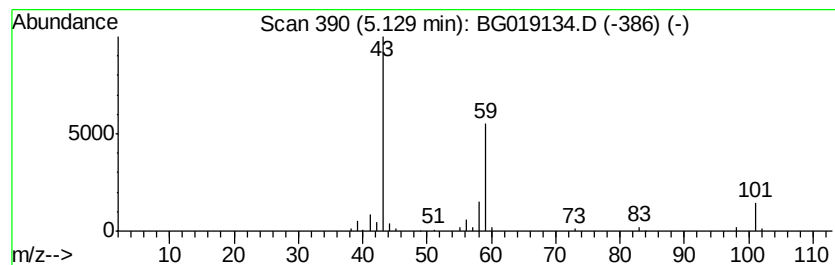
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Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc  | Area  | Relative to ISTD       | R.T. |
|------|----------|-------|------------------------|------|
| 5.13 | 14.88 ng | 73447 | 1,4-Dichlorobenzene-d4 | 8.03 |

| Hit# | of                               | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|----------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2      | 000123-42-2 | 64      |      |      |
| 2    | 2,3-Butanedione, monooxime       | 101 | C4H7NO2      | 000057-71-6 | 27      |      |      |
| 3    | 2-Hexanol, 2-methyl-             | 116 | C7H16O       | 000625-23-0 | 25      |      |      |
| 4    | Formamide, N,N-diethyl-          | 101 | C5H11NO      | 000617-84-5 | 9       |      |      |
| 5    | 3-Hydroxy-3-methyl-2-butanone    | 102 | C5H10O2      | 000115-22-0 | 9       |      |      |



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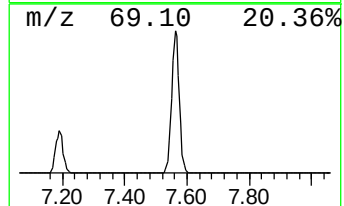
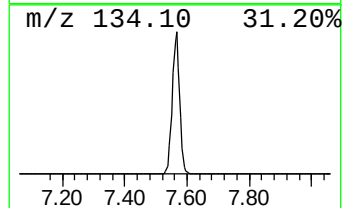
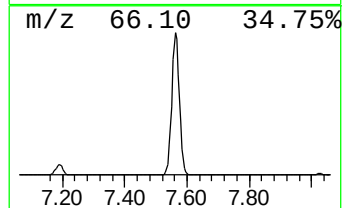
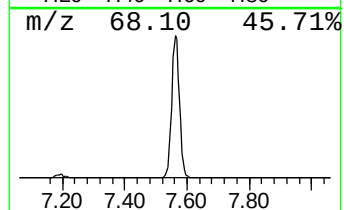
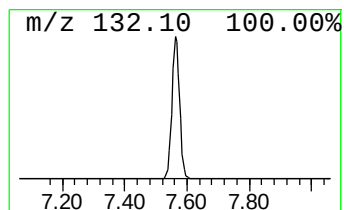
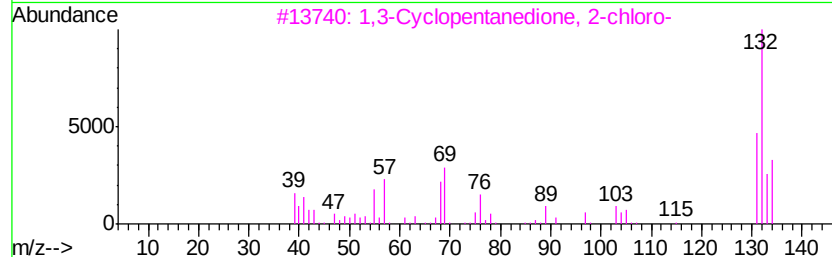
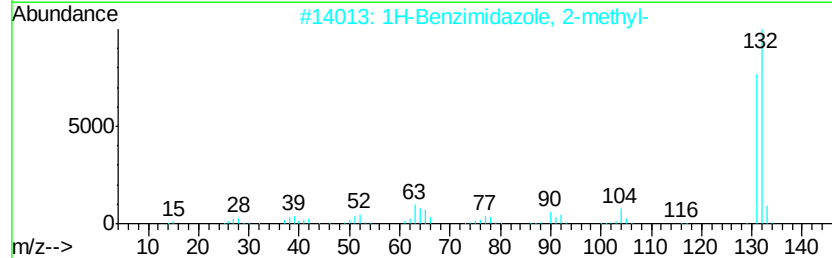
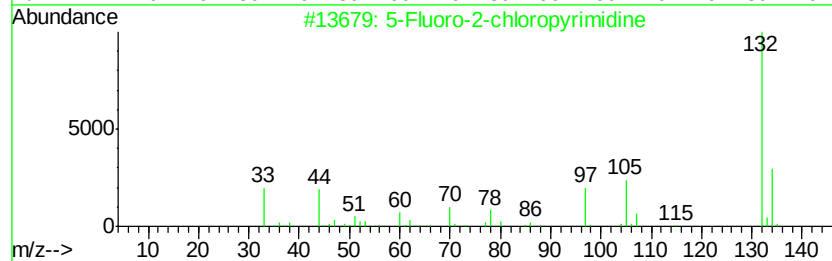
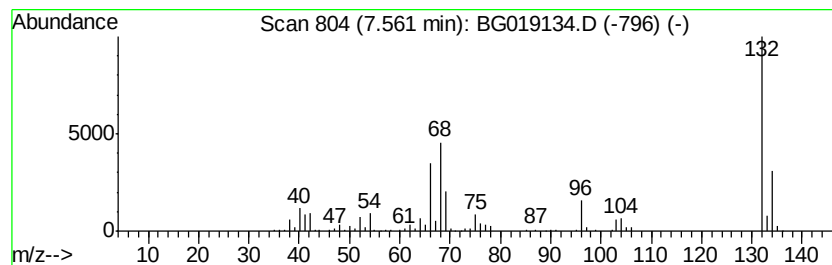
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown7.56 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.56 | 99.31 ng | 490308 | 1,4-Dichlorobenzene-d4 | 8.03 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 27   |
| 2    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 22   |
| 3    |    | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 17   |
| 4    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 5    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |       |      |
|----------------------|------|---------|-------|----------|-----------------------|------|-------|------|
|                      |      |         |       |          | #                     | RT   | Resp  | Conc |
| Butane, 2-methoxy... | 3.21 | 51.3    | ng    | 253371   | 1                     | 8.03 | 98739 | 20.0 |
| 2-Pentanone, 4-hy... | 5.13 | 14.9    | ng    | 73447    | 1                     | 8.03 | 98739 | 20.0 |
| unknown7.56          | 7.56 | 99.3    | ng    | 490308   | 1                     | 8.03 | 98739 | 20.0 |