

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121418\  
 Data File : BG038592.D  
 Acq On : 15 Dec 2018 6:57  
 Operator : JU/SJ  
 Sample : PB115587BL  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115587BL

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:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG121218.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         | 3.182       | 13            | 16          | 24           | rVB2     | 21925          | 26876         | 1.63%           | 0.347%        |
| 2         | 5.138       | 345           | 349         | 357          | rVB      | 18351          | 30072         | 1.82%           | 0.388%        |
| 3         | 5.608       | 422           | 429         | 441          | rVB      | 344394         | 576449        | 34.95%          | 7.440%        |
| 4         | 7.212       | 695           | 702         | 715          | rBV      | 338344         | 614712        | 37.27%          | 7.934%        |
| 5         | 7.588       | 759           | 766         | 777          | rBV      | 320229         | 586477        | 35.55%          | 7.569%        |
| 6         | 8.058       | 839           | 846         | 853          | rVB      | 79265          | 133908        | 8.12%           | 1.728%        |
| 7         | 8.382       | 893           | 901         | 911          | rBV      | 255689         | 456138        | 27.65%          | 5.887%        |
| 8         | 9.234       | 1039          | 1046        | 1058         | rBV      | 207383         | 390208        | 23.66%          | 5.036%        |
| 9         | 10.879      | 1319          | 1326        | 1336         | rVB      | 98546          | 180281        | 10.93%          | 2.327%        |
| 10        | 13.317      | 1733          | 1741        | 1752         | rBV      | 523632         | 892012        | 54.08%          | 11.512%       |
| 11        | 14.698      | 1969          | 1976        | 1987         | rBV2     | 150738         | 263991        | 16.00%          | 3.407%        |
| 12        | 16.184      | 2222          | 2229        | 2246         | rBV      | 391226         | 630361        | 38.21%          | 8.136%        |
| 13        | 17.442      | 2436          | 2443        | 2456         | rBV2     | 228688         | 354912        | 21.52%          | 4.581%        |
| 14        | 20.044      | 2880          | 2886        | 2894         | rVB      | 1261531        | 1649565       | 100.00%         | 21.289%       |
| 15        | 21.719      | 3164          | 3171        | 3180         | rBV2     | 250819         | 443484        | 26.88%          | 5.724%        |
| 16        | 23.981      | 3551          | 3556        | 3566         | rVB4     | 9203           | 21694         | 1.32%           | 0.280%        |
| 17        | 24.939      | 3712          | 3719        | 3723         | rBV5     | 10661          | 26932         | 1.63%           | 0.348%        |
| 18        | 25.015      | 3723          | 3732        | 3743         | rVB      | 134241         | 407676        | 24.71%          | 5.262%        |
| 19        | 26.090      | 3906          | 3915        | 3923         | rBV4     | 10289          | 28349         | 1.72%           | 0.366%        |
| 20        | 27.465      | 4138          | 4149        | 4161         | rVB6     | 9621           | 34169         | 2.07%           | 0.441%        |

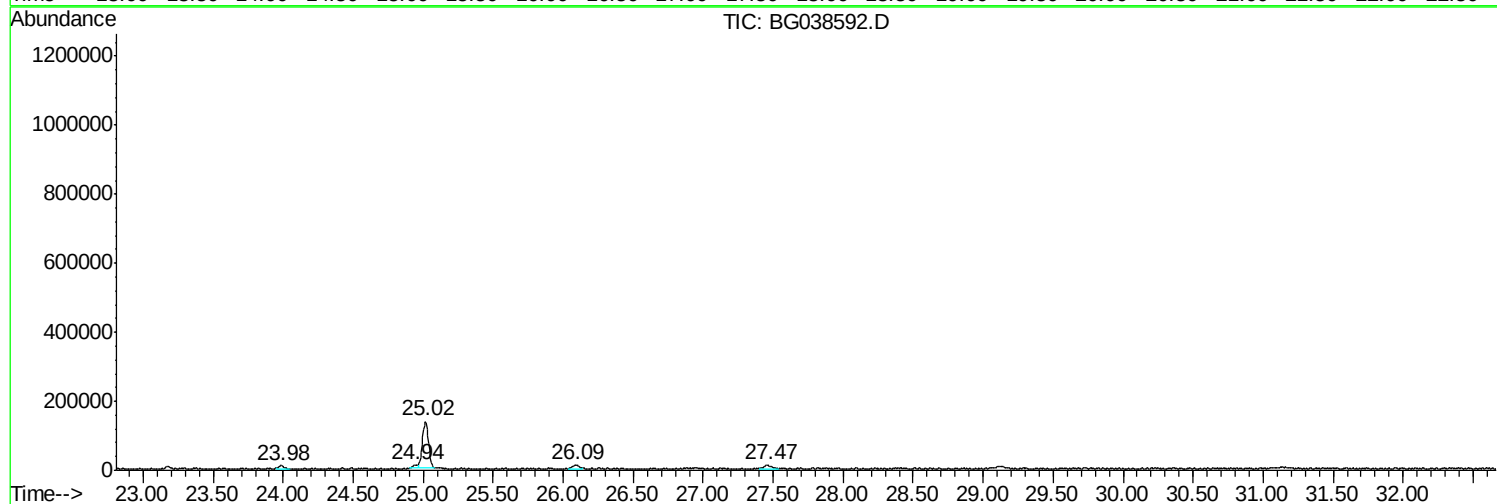
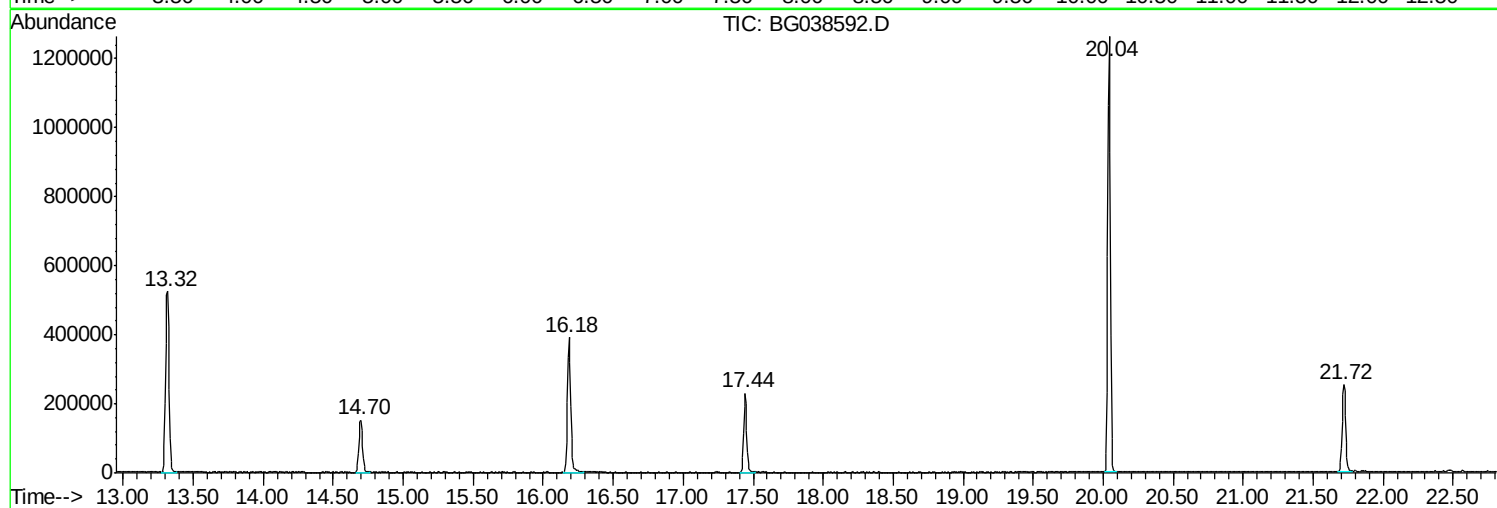
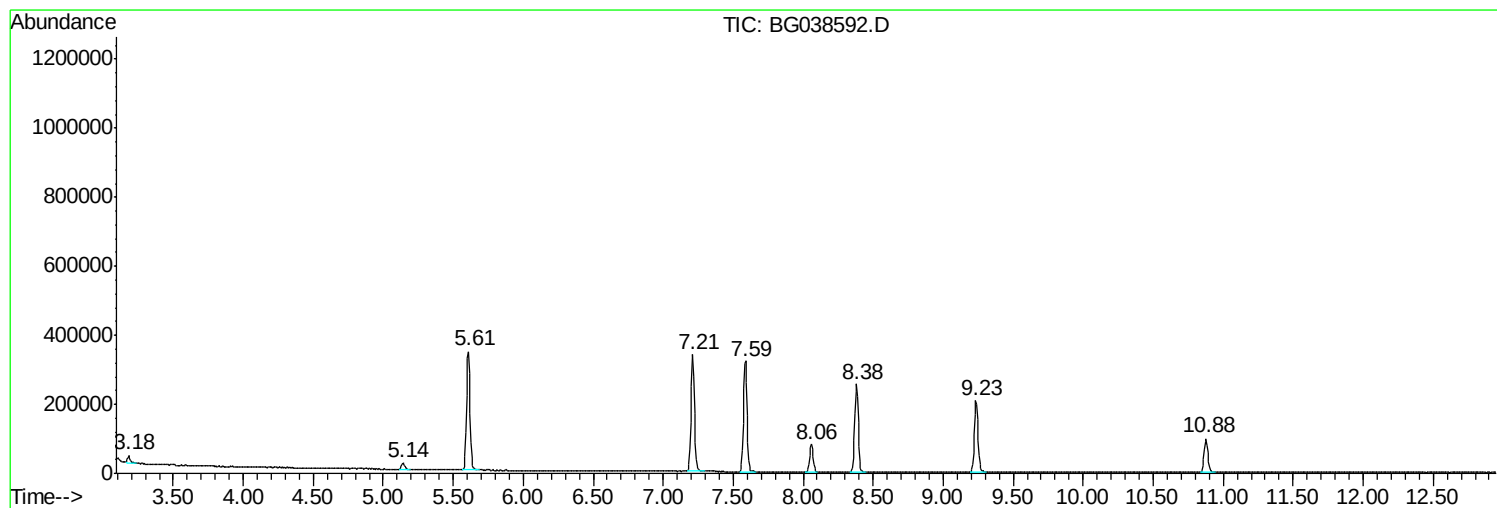
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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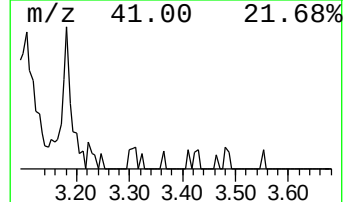
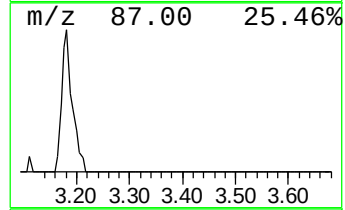
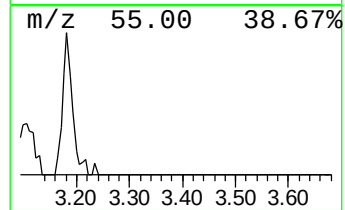
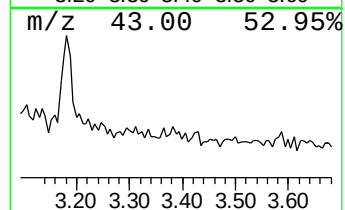
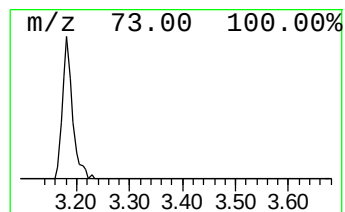
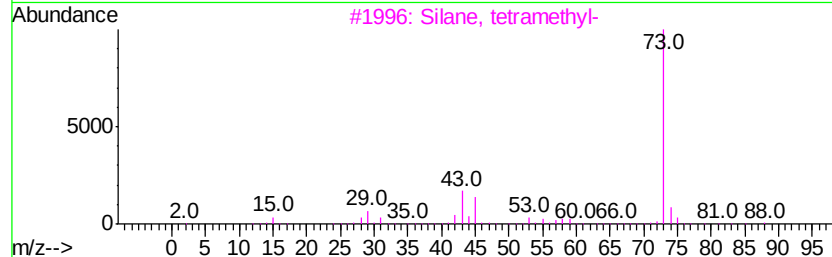
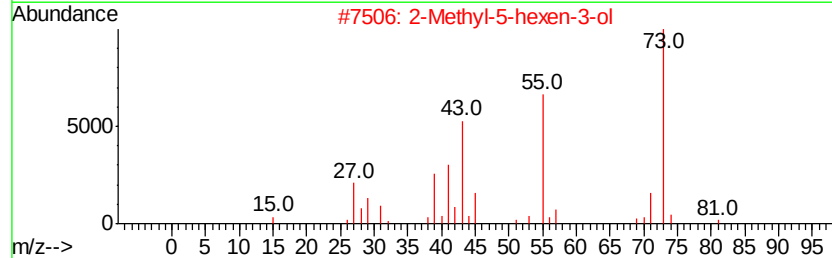
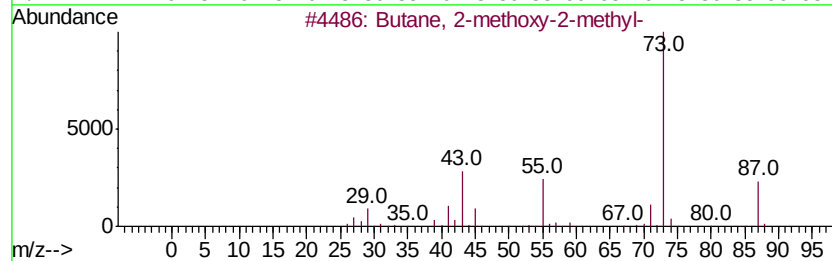
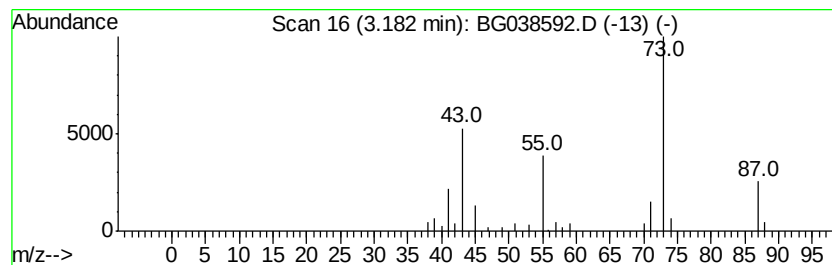
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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 4

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 3.18 | 4.01 ng | 26876 | 1,4-Dichlorobenzene-d4 | 8.06 |

| 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 | 47   |
| 3    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 25   |
| 4    |    | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 23   |
| 5    |    | (R)-3-Pyrrolidinol          | 87  | C4H9NO  | 002799-21-5 | 9    |



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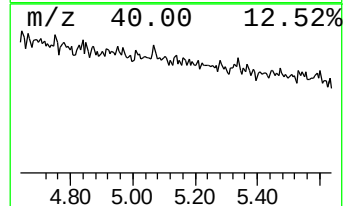
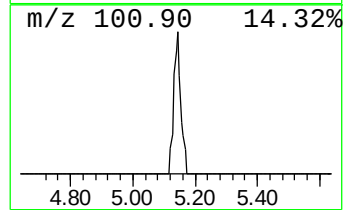
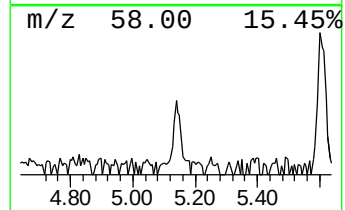
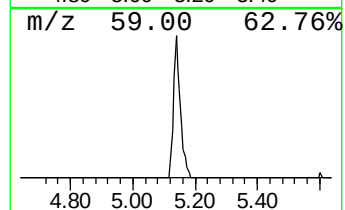
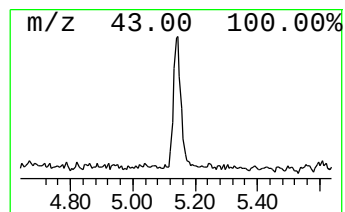
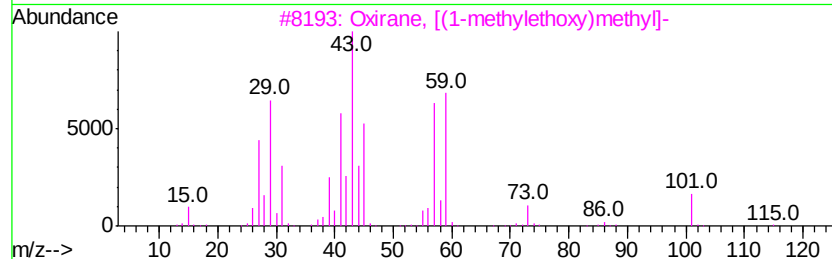
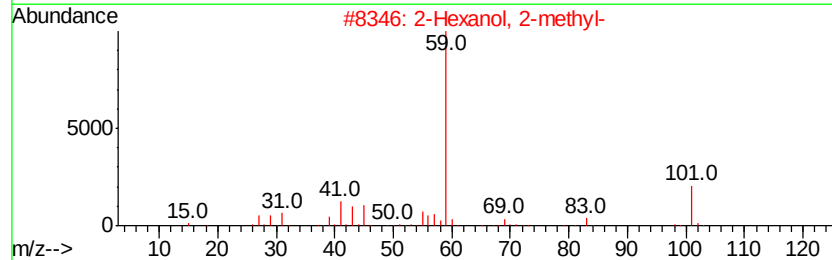
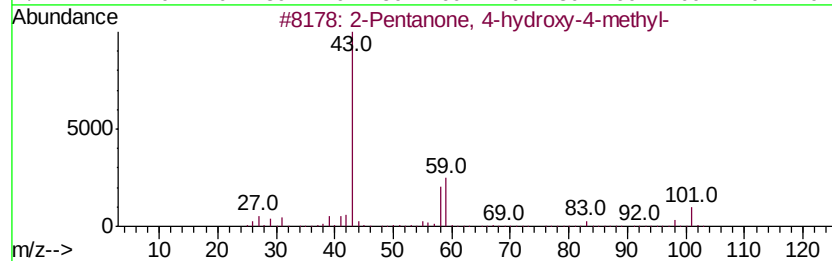
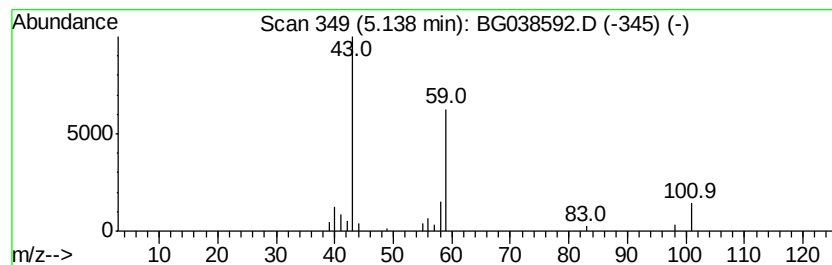
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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.14 | 4.49 ng | 30072 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# | of | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-   | 116 | C6H12O2  | 000123-42-2 | 53   |
| 2    |    | 2-Hexanol, 2-methyl-               | 116 | C7H16O   | 000625-23-0 | 28   |
| 3    |    | Oxirane, [(1-methylethoxy)methyl]- | 116 | C6H12O2  | 004016-14-2 | 9    |
| 4    |    | 2-Pentanol, 2,3-dimethyl-          | 116 | C7H16O   | 004911-70-0 | 9    |
| 5    |    | Acetic acid, cyano-, 1,1-dimethyl- | 141 | C7H11NO2 | 001116-98-9 | 9    |



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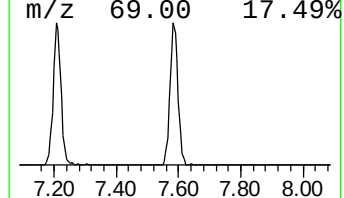
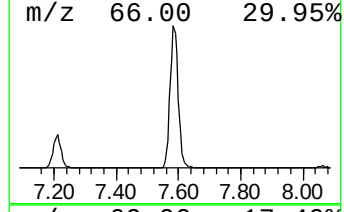
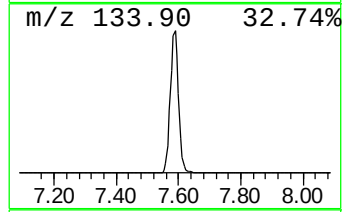
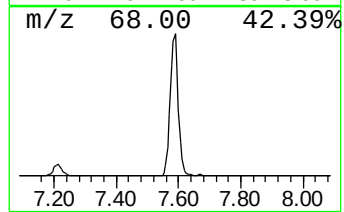
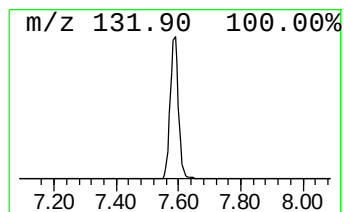
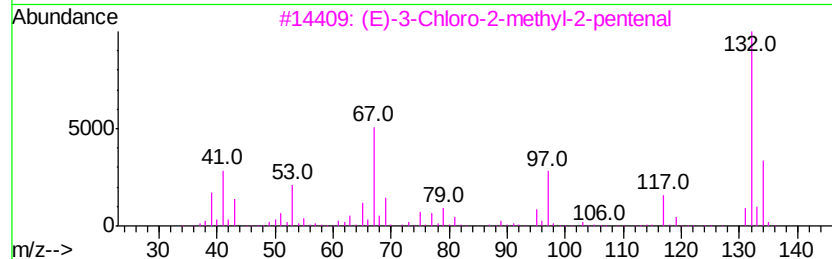
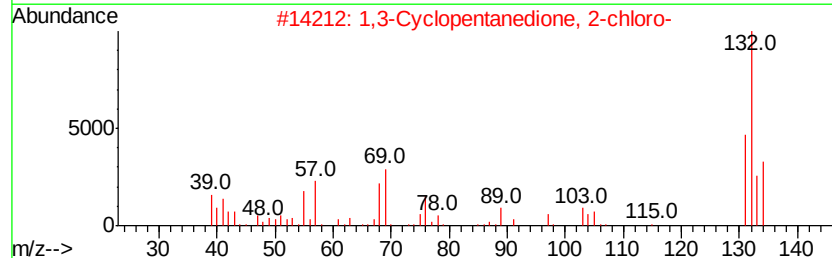
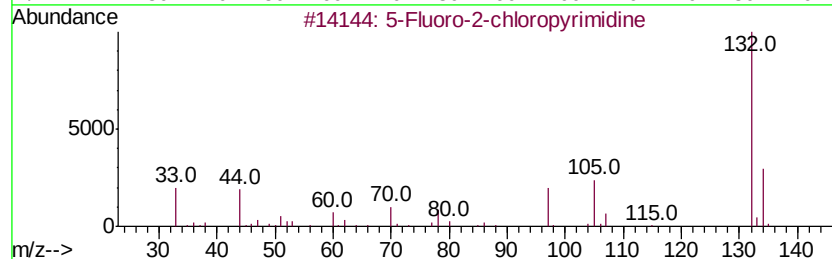
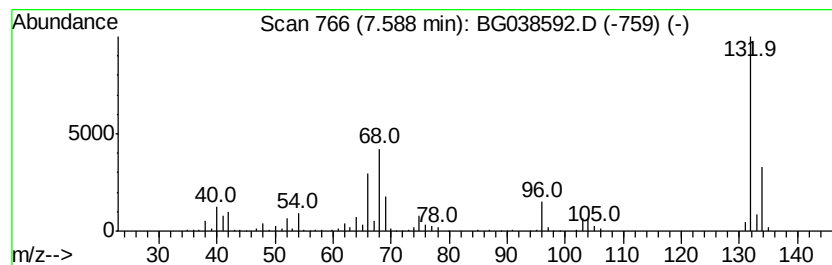
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown7.59 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.59 | 87.59 ng | 586477 | 1,4-Dichlorobenzene-d4 | 8.06 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 27   |
| 2    |    | 1,3-Cyclopentanedione, 2-chloro- | 132 | C5H5ClO2  | 014203-19-1  | 17   |
| 3    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 16   |
| 4    |    | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 5    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 12   |



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| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| Butane, 2-methoxy... | 3.18 | 4.0     | ng    | 26876    | 1                     | 8.06 | 133908 | 20.0 |
| 2-Pentanone, 4-hy... | 5.14 | 4.5     | ng    | 30072    | 1                     | 8.06 | 133908 | 20.0 |
| unknown7.59          | 7.59 | 87.6    | ng    | 586477   | 1                     | 8.06 | 133908 | 20.0 |