

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\  
 Data File : BF099917.D  
 Acq On : 28 Oct 2017 15:12  
 Operator : SJ/JU  
 Sample : I6071-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ENV-116-5(15-20)

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\_F\METHODS\8270-BF102317.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         | 5.010       | 494           | 497         | 516          | rBV      | 183427         | 290247        | 12.34%          | 1.621%        |
| 2         | 5.416       | 562           | 566         | 585          | rBV      | 1576982        | 1842412       | 78.31%          | 10.288%       |
| 3         | 6.433       | 735           | 739         | 757          | rBV      | 1748314        | 1849062       | 78.59%          | 10.326%       |
| 4         | 6.563       | 757           | 761         | 771          | rVB      | 2002821        | 1942642       | 82.57%          | 10.848%       |
| 5         | 6.786       | 796           | 799         | 808          | rBV      | 588050         | 533385        | 22.67%          | 2.979%        |
| 6         | 6.939       | 821           | 825         | 841          | rBV      | 1792387        | 1593535       | 67.73%          | 8.899%        |
| 7         | 7.357       | 892           | 896         | 910          | rBV      | 1277923        | 1192854       | 50.70%          | 6.661%        |
| 8         | 8.069       | 1013          | 1017        | 1036         | rBV      | 850983         | 748889        | 31.83%          | 4.182%        |
| 9         | 9.139       | 1195          | 1199        | 1203         | rBV      | 2394967        | 2352767       | 100.00%         | 13.138%       |
| 10        | 9.539       | 1263          | 1267        | 1274         | rBV      | 391685         | 305064        | 12.97%          | 1.704%        |
| 11        | 9.822       | 1311          | 1315        | 1323         | rVB2     | 953674         | 804895        | 34.21%          | 4.495%        |
| 12        | 10.539      | 1434          | 1437        | 1441         | rBV      | 103620         | 93050         | 3.95%           | 0.520%        |
| 13        | 10.616      | 1447          | 1450        | 1460         | rBV      | 1063754        | 976564        | 41.51%          | 5.453%        |
| 14        | 10.710      | 1463          | 1466        | 1472         | rBV      | 30701          | 38634         | 1.64%           | 0.216%        |
| 15        | 11.316      | 1565          | 1569        | 1578         | rBV      | 701054         | 670366        | 28.49%          | 3.743%        |
| 16        | 12.898      | 1833          | 1838        | 1841         | rBV      | 1567837        | 1472663       | 62.59%          | 8.224%        |
| 17        | 13.774      | 1983          | 1987        | 1993         | rBV2     | 41539          | 42667         | 1.81%           | 0.238%        |
| 18        | 13.962      | 2015          | 2019        | 2027         | rBV      | 528789         | 489471        | 20.80%          | 2.733%        |
| 19        | 15.427      | 2264          | 2268        | 2277         | rVB      | 382784         | 504381        | 21.44%          | 2.817%        |
| 20        | 15.809      | 2329          | 2333        | 2336         | rVB2     | 24627          | 31587         | 1.34%           | 0.176%        |
| 21        | 16.292      | 2410          | 2415        | 2422         | rVB4     | 29910          | 45973         | 1.95%           | 0.257%        |
| 22        | 16.856      | 2506          | 2511        | 2519         | rVB3     | 22539          | 47074         | 2.00%           | 0.263%        |
| 23        | 17.521      | 2620          | 2624        | 2631         | rVB5     | 17900          | 39370         | 1.67%           | 0.220%        |

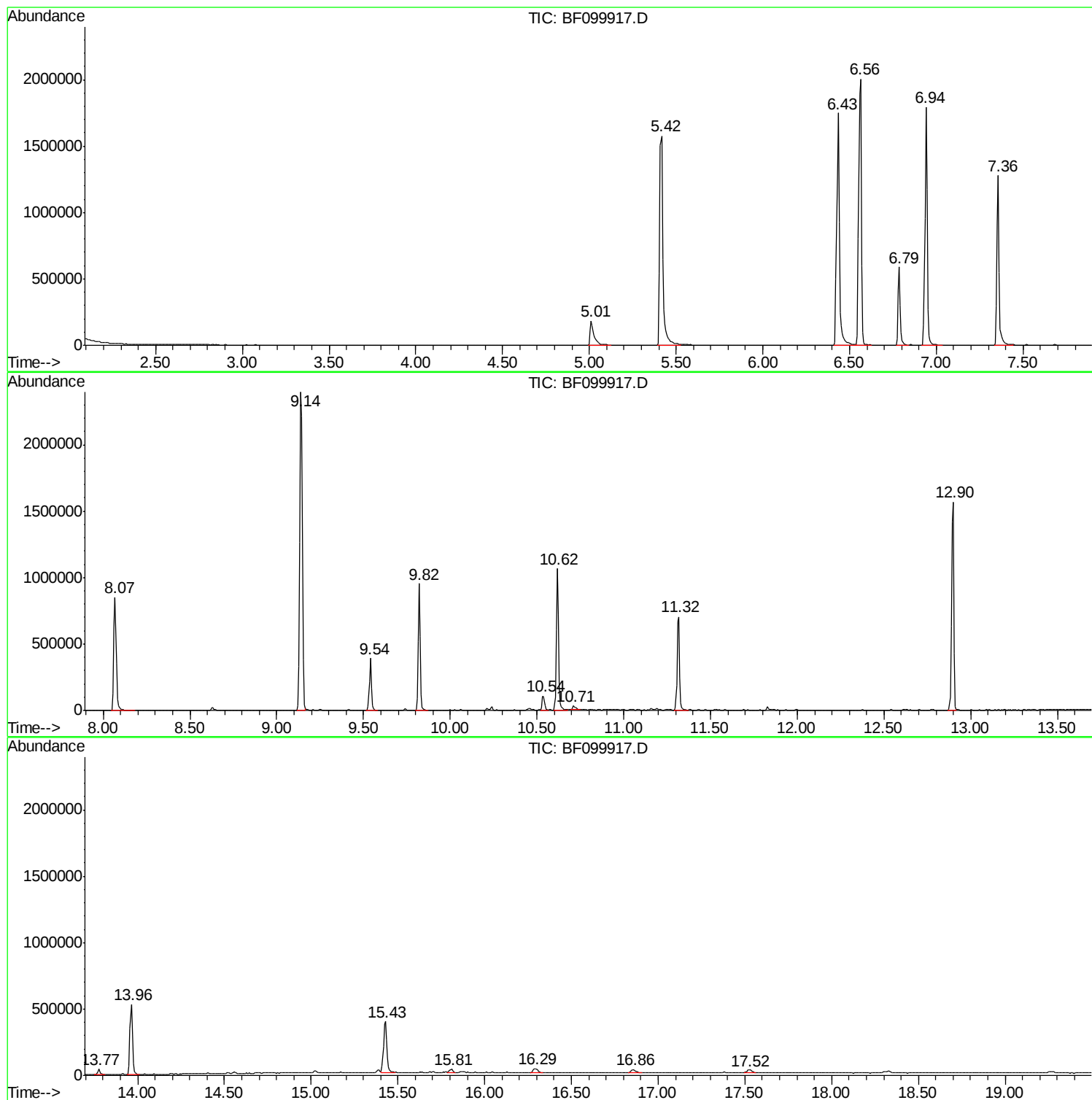
Sum of corrected areas: 17907552

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BNA\_F  
ClientSampleId :  
ENV-116-5(15-20)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.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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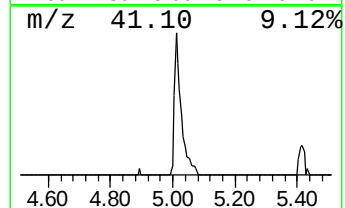
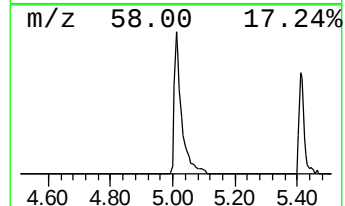
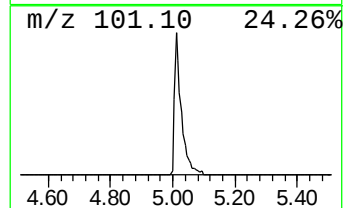
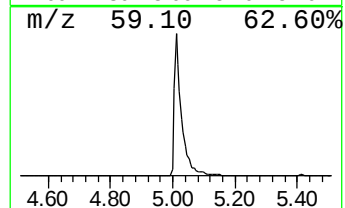
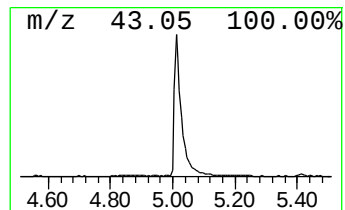
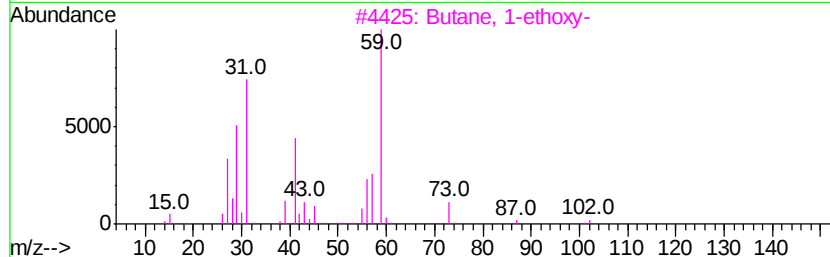
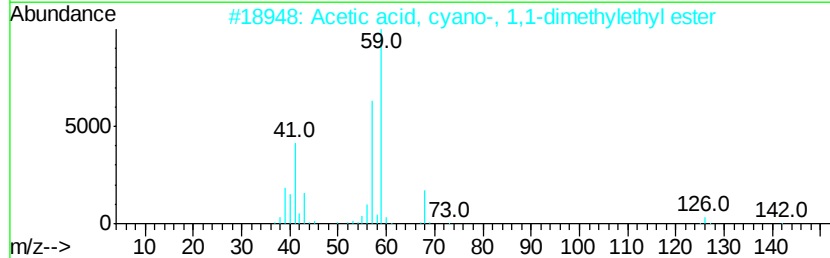
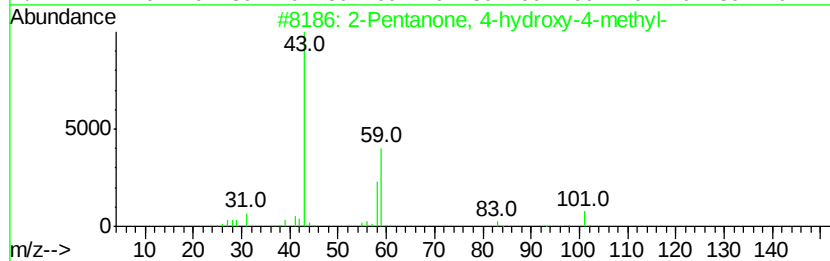
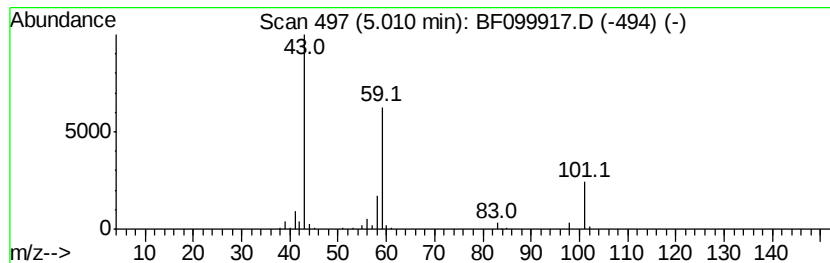
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T.      | EstConc                              | Area   | Relative to ISTD       | R.T.        |      |
|-----------|--------------------------------------|--------|------------------------|-------------|------|
| 5.01      | 10.88 ng                             | 290247 | 1,4-Dichlorobenzene-d4 | 6.79        |      |
| Hit# of 5 | Tentative ID                         | MW     | MolForm                | CAS#        | Qual |
| 1         | 2-Pentanone, 4-hydroxy-4-methyl-     | 116    | C6H12O2                | 000123-42-2 | 56   |
| 2         | Acetic acid, cyano-, 1,1-dimethyl... | 141    | C7H11NO2               | 001116-98-9 | 17   |
| 3         | Butane, 1-ethoxy-                    | 102    | C6H14O                 | 000628-81-9 | 9    |
| 4         | Acetone                              | 58     | C3H6O                  | 000067-64-1 | 9    |
| 5         | (+)-4-Amino-4,5-dihydro-2(3H)-f...   | 101    | C4H7NO2                | 016504-58-8 | 9    |



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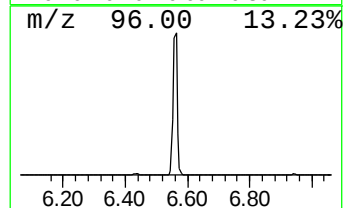
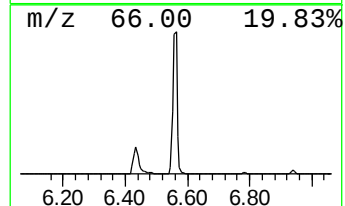
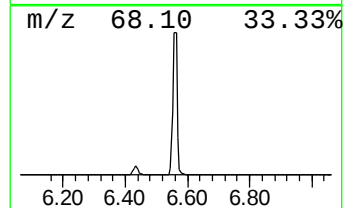
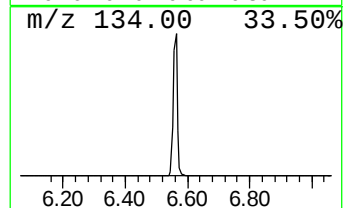
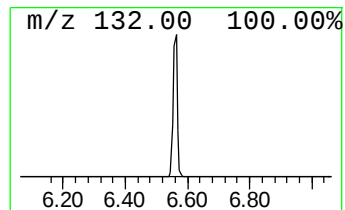
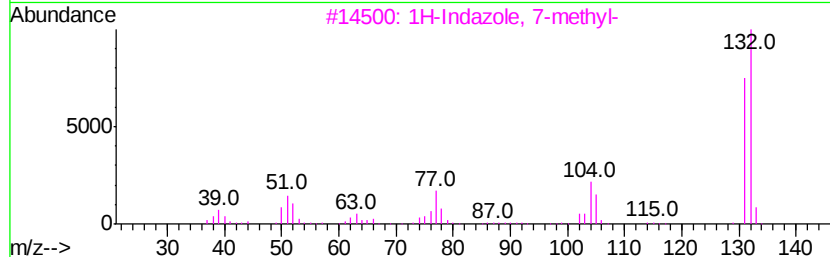
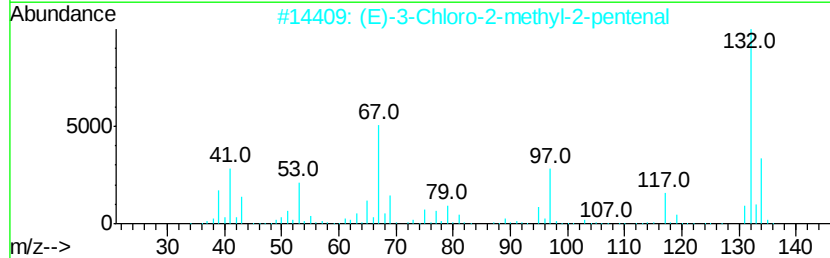
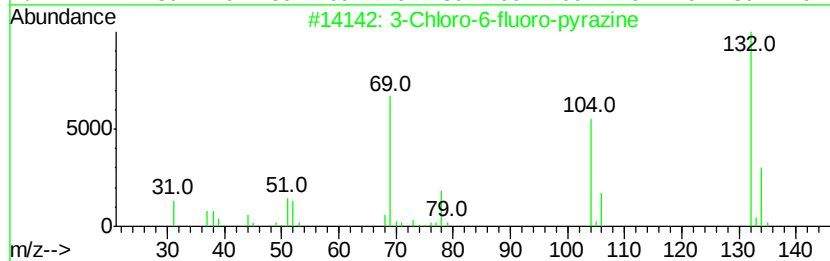
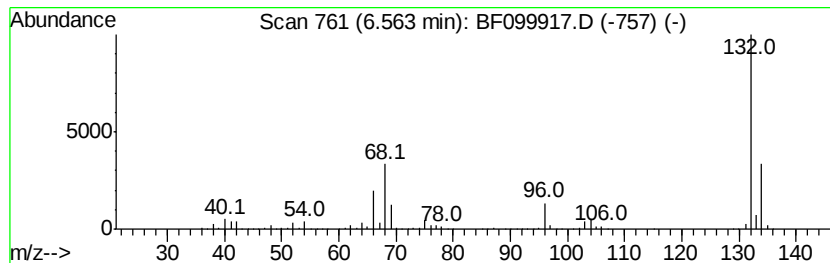
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Peak Number 2 unknown6.56 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.56 | 72.84 ng | 1942640 | 1,4-Dichlorobenzene-d4 | 6.79 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | 1H-Indazole, 7-methyl-           | 132 | C8H8N2    | 1000316-00-7 | 10   |
| 4    |    | Xenon                            | 132 | Xe        | 007440-63-3  | 9    |
| 5    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 9    |



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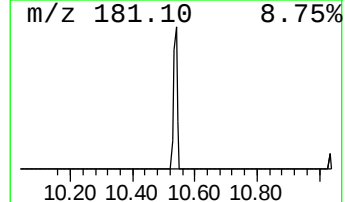
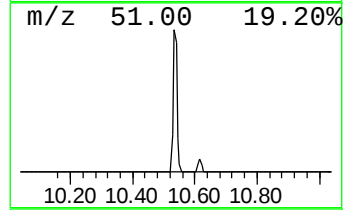
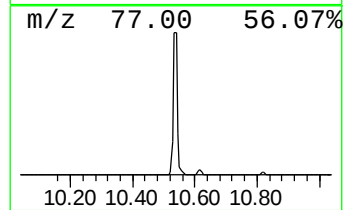
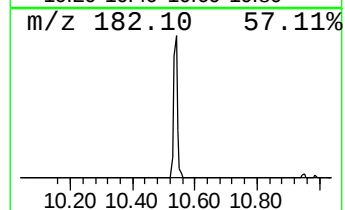
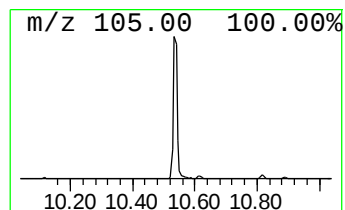
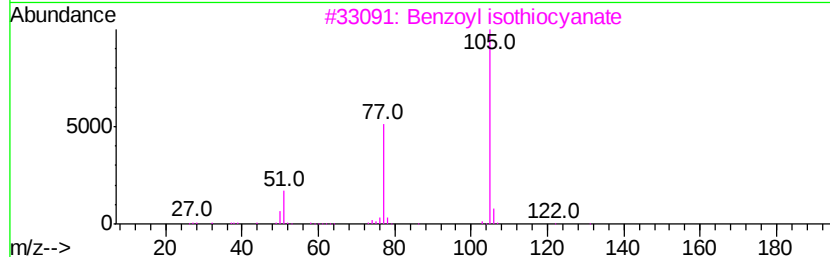
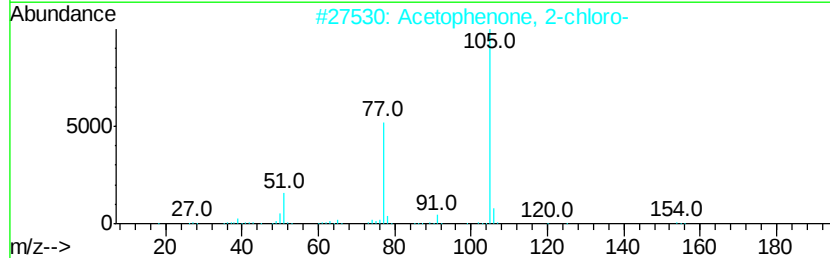
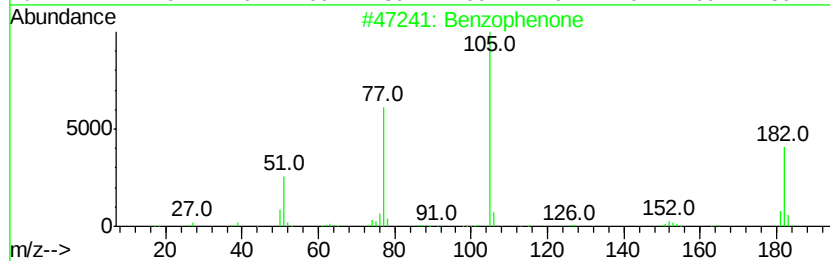
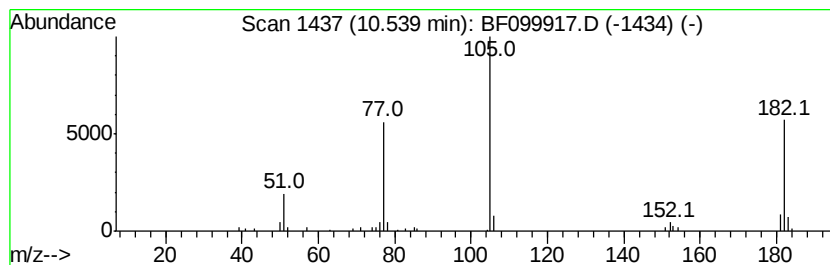
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Peak Number 4 Benzophenone Concentration Rank 4

| R.T.  | EstConc | Area  | Relative to ISTD | R.T. |
|-------|---------|-------|------------------|------|
| 10.54 | 2.31 ng | 93050 | Acenaphthene-d10 | 9.82 |

| Hit# | of | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Benzophenone                       | 182 | C13H10O  | 000119-61-9 | 97   |
| 2    |    | Acetophenone, 2-chloro-            | 154 | C8H7ClO  | 000532-27-4 | 47   |
| 3    |    | Benzoyl isothiocyanate             | 163 | C8H5NOS  | 000532-55-8 | 47   |
| 4    |    | Benzenepropanenitrile, .beta.-oxo- | 145 | C9H7NO   | 000614-16-4 | 47   |
| 5    |    | Benzopinacol                       | 366 | C26H22O2 | 000464-72-2 | 47   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|------|--------|------|
|                      |       |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.01  | 10.9    | ng    | 290247   | 1                     | 6.79 | 533385 | 20.0 |
| unknown6.56          | 6.56  | 72.8    | ng    | 1942640  | 1                     | 6.79 | 533385 | 20.0 |
| Benzophenone         | 10.54 | 2.3     | ng    | 93050    | 3                     | 9.82 | 804895 | 20.0 |