

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102417\  
 Data File : BF099800.D  
 Acq On : 24 Oct 2017 20:53  
 Operator : SJ/JU  
 Sample : I5956-03  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-120-1(0-5)

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 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         | 5.016       | 494           | 498         | 522          | rVB      | 146427         | 194423        | 14.11%          | 1.688%        |
| 2         | 5.422       | 564           | 567         | 589          | rBV      | 1053614        | 1100427       | 79.86%          | 9.553%        |
| 3         | 6.445       | 737           | 741         | 755          | rBV      | 1112918        | 1094939       | 79.46%          | 9.505%        |
| 4         | 6.575       | 760           | 763         | 772          | rVB      | 1405365        | 1184440       | 85.96%          | 10.282%       |
| 5         | 6.804       | 799           | 802         | 812          | rBV      | 544121         | 459757        | 33.37%          | 3.991%        |
| 6         | 6.957       | 825           | 828         | 844          | rVB      | 1066584        | 925344        | 67.16%          | 8.033%        |
| 7         | 7.369       | 895           | 898         | 917          | rBV      | 726145         | 680056        | 49.35%          | 5.904%        |
| 8         | 8.086       | 1016          | 1020        | 1037         | rBV      | 741630         | 615879        | 44.70%          | 5.347%        |
| 9         | 8.645       | 1112          | 1115        | 1124         | rBB      | 65762          | 55263         | 4.01%           | 0.480%        |
| 10        | 9.157       | 1198          | 1202        | 1206         | rBV      | 1467674        | 1377889       | 100.00%         | 11.962%       |
| 11        | 9.557       | 1267          | 1270        | 1277         | rBB      | 28928          | 24725         | 1.79%           | 0.215%        |
| 12        | 9.839       | 1315          | 1318        | 1330         | rBV      | 691327         | 633120        | 45.95%          | 5.496%        |
| 13        | 10.551      | 1436          | 1439        | 1450         | rBV      | 170243         | 152422        | 11.06%          | 1.323%        |
| 14        | 10.633      | 1450          | 1453        | 1467         | rVV      | 618582         | 544494        | 39.52%          | 4.727%        |
| 15        | 11.333      | 1568          | 1572        | 1579         | rBV      | 593091         | 513872        | 37.29%          | 4.461%        |
| 16        | 12.916      | 1837          | 1841        | 1844         | rBV      | 1040381        | 914427        | 66.36%          | 7.938%        |
| 17        | 13.798      | 1987          | 1991        | 2000         | rBV      | 52583          | 67420         | 4.89%           | 0.585%        |
| 18        | 13.980      | 2018          | 2022        | 2029         | rBV      | 475106         | 424452        | 30.80%          | 3.685%        |
| 19        | 15.051      | 2198          | 2204        | 2210         | rBV3     | 11411          | 16497         | 1.20%           | 0.143%        |
| 20        | 15.451      | 2267          | 2272        | 2281         | rVB      | 321214         | 427187        | 31.00%          | 3.708%        |
| 21        | 15.845      | 2335          | 2339        | 2345         | rBV      | 18570          | 25963         | 1.88%           | 0.225%        |
| 22        | 16.333      | 2417          | 2422        | 2429         | rBV6     | 18412          | 33134         | 2.40%           | 0.288%        |
| 23        | 16.904      | 2514          | 2519        | 2526         | rBV4     | 13213          | 27103         | 1.97%           | 0.235%        |
| 24        | 17.586      | 2629          | 2635        | 2642         | rVB7     | 11205          | 26028         | 1.89%           | 0.226%        |

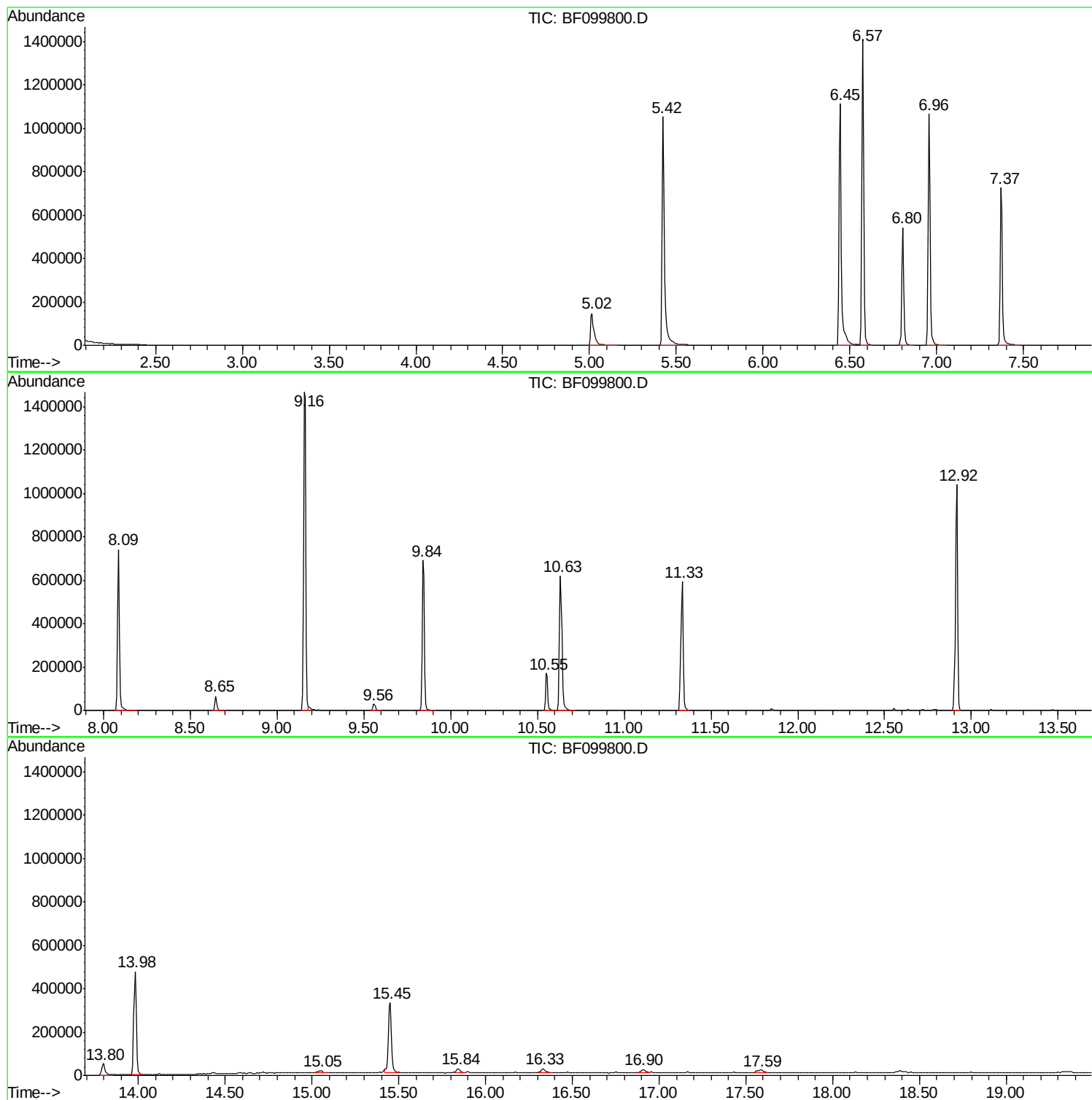
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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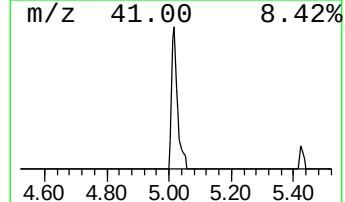
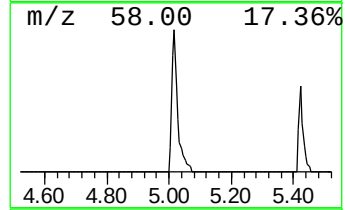
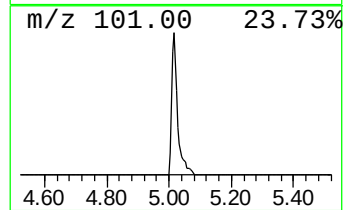
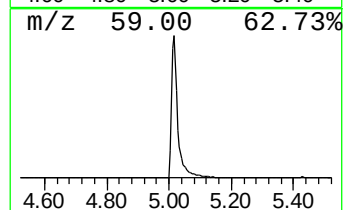
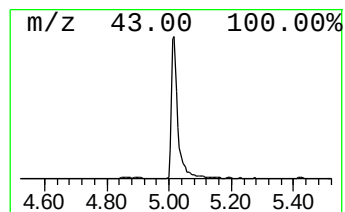
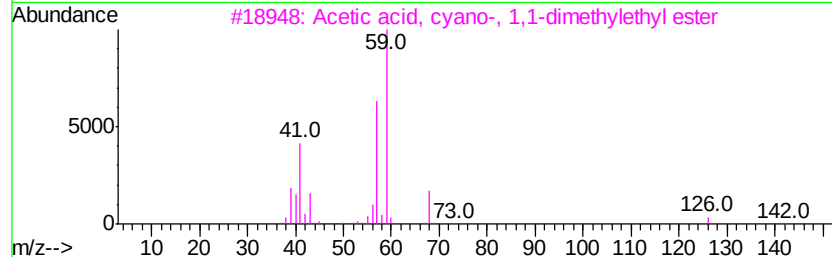
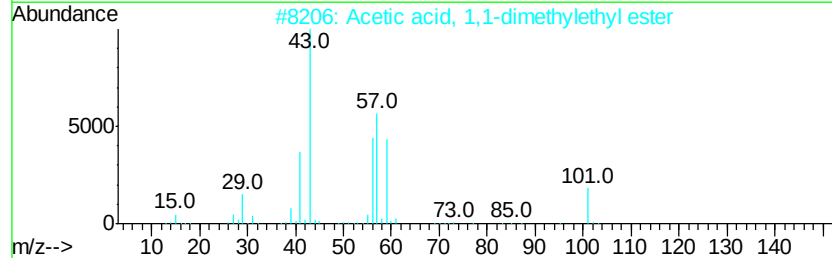
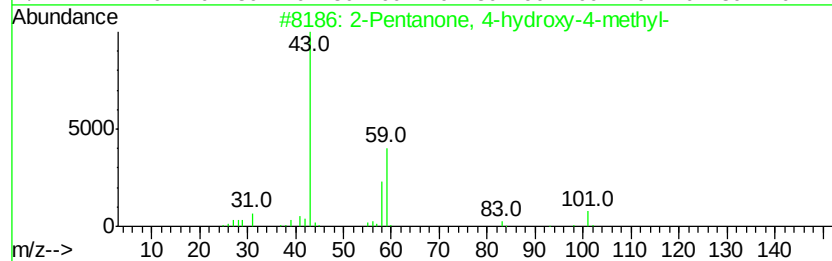
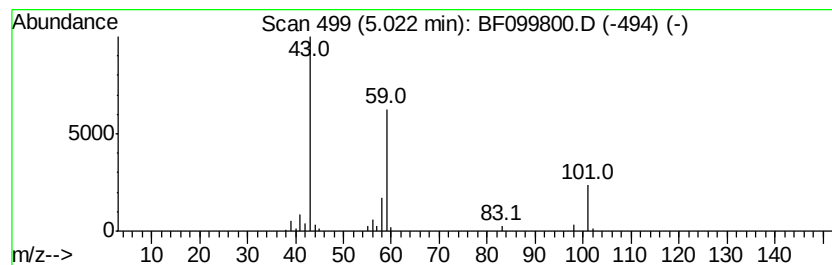
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|---------|--------|------------------------|------|
| 5.02 | 8.46 ng | 194423 | 1,4-Dichlorobenzene-d4 | 6.80 |

| 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, 1,1-dimethylethyl e... | 116 | C6H12O2  | 000540-88-5 | 39   |
| 3    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 4    |    |   | Morpholine, 4-methyl-               | 101 | C5H11NO  | 000109-02-4 | 9    |
| 5    |    |   | 5-Hexen-2-one                       | 98  | C6H10O   | 000109-49-9 | 9    |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

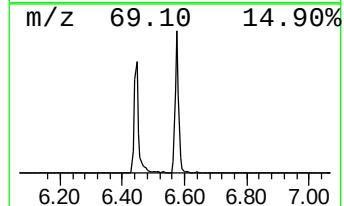
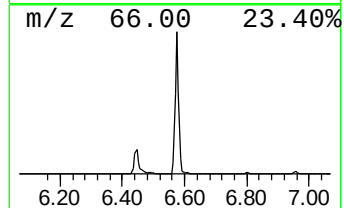
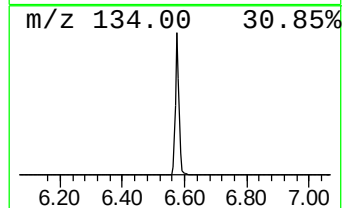
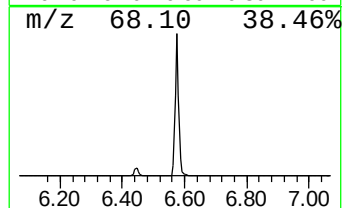
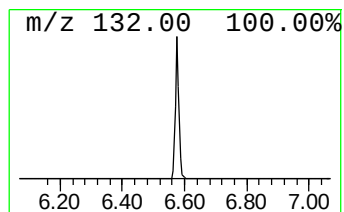
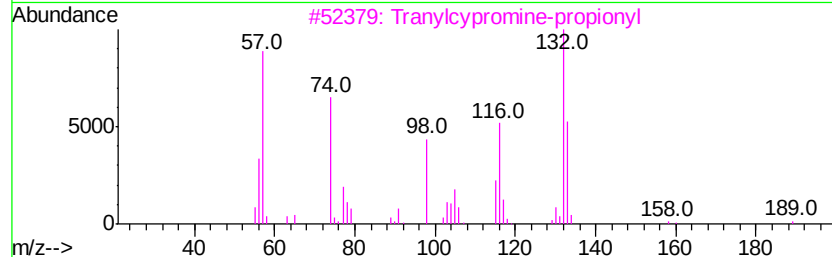
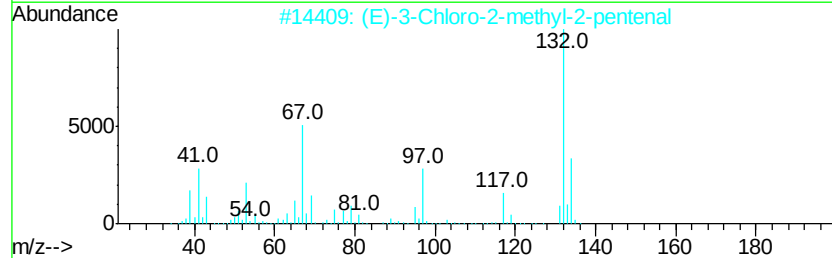
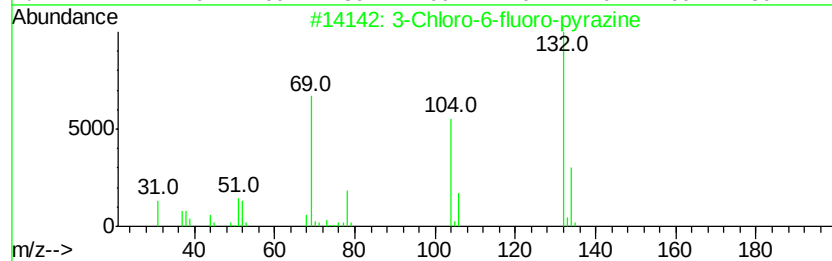
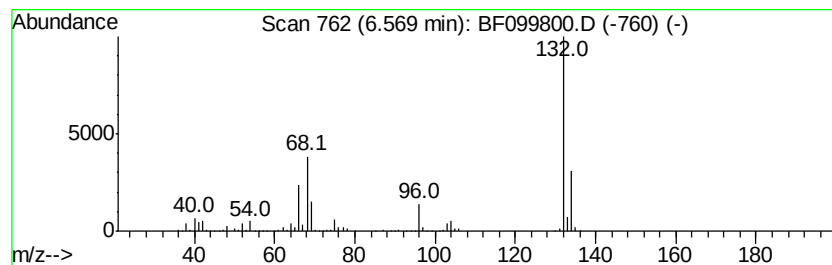
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Peak Number 2 unknown6.57 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.57 | 51.52 ng | 1184440 | 1,4-Dichlorobenzene-d4 | 6.80 |

| 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  | 35   |
| 3    |    | Tranvlcypropine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | 1H-Indazole, 7-methyl-           | 132 | C8H8N2    | 1000316-00-7 | 10   |
| 5    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |



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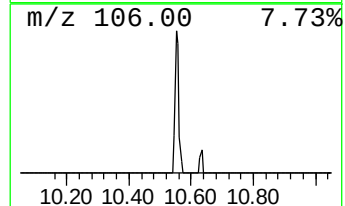
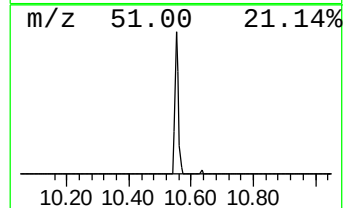
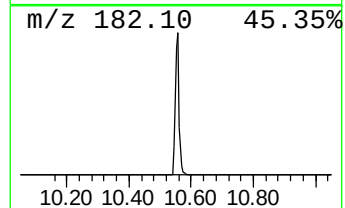
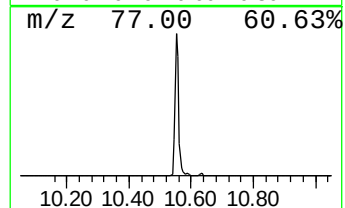
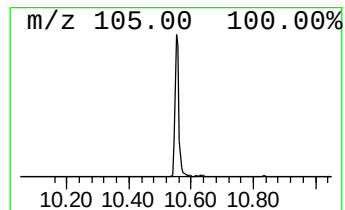
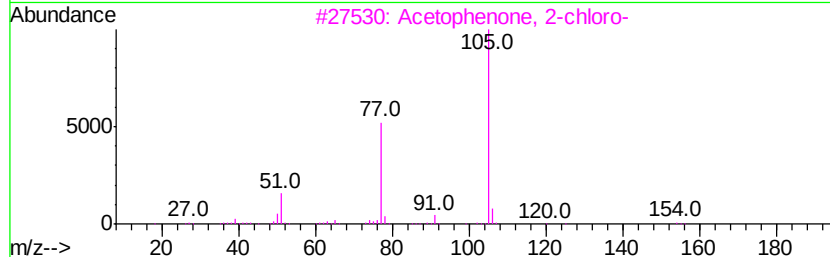
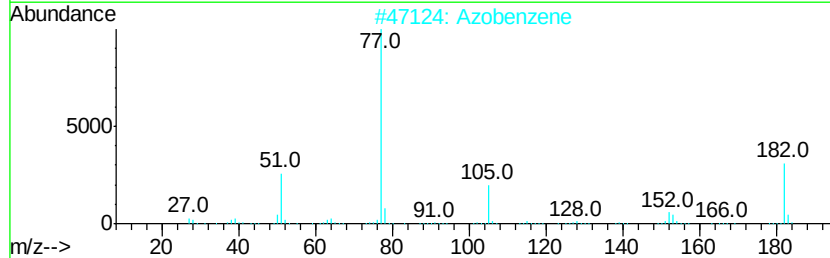
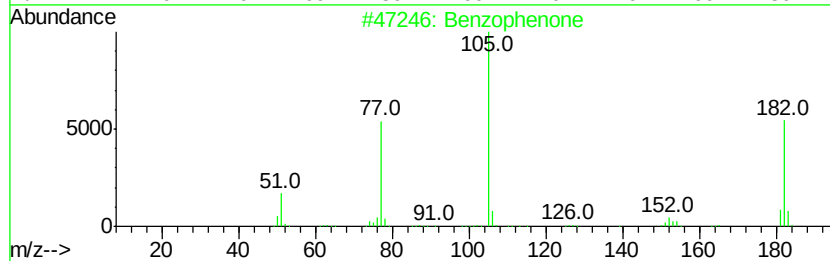
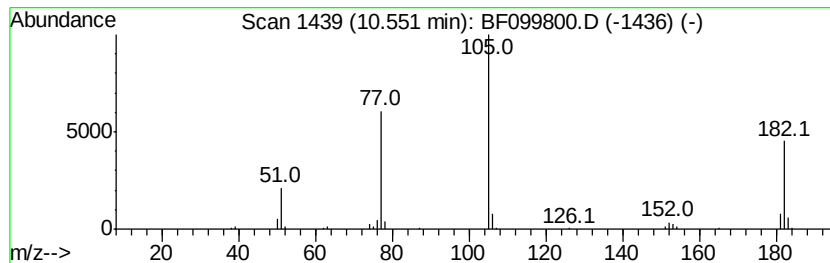
Instrument :  
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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
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TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 4 Benzophenone Concentration Rank 4

| R.T.      | EstConc                            | Area   | Relative to ISTD | R.T.        |      |
|-----------|------------------------------------|--------|------------------|-------------|------|
| 10.55     | 4.81 ng                            | 152422 | Acenaphthene-d10 | 9.84        |      |
| Hit# of 5 | Tentative ID                       | MW     | MolForm          | CAS#        | Qual |
| 1         | Benzophenone                       | 182    | C13H10O          | 000119-61-9 | 95   |
| 2         | Azobenzene                         | 182    | C12H10N2         | 000103-33-3 | 59   |
| 3         | Acetophenone, 2-chloro-            | 154    | C8H7ClO          | 000532-27-4 | 49   |
| 4         | Methyl benzilate                   | 242    | C15H14O3         | 000076-89-1 | 47   |
| 5         | Benzenepropanenitrile, .beta.-oxo- | 145    | C9H7NO           | 000614-16-4 | 47   |



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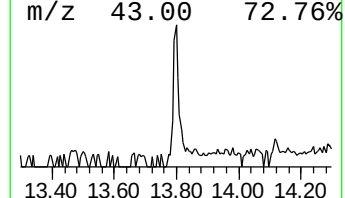
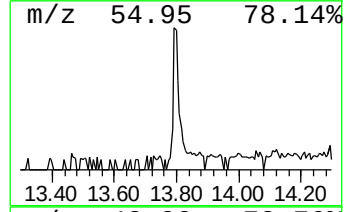
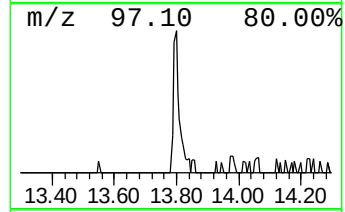
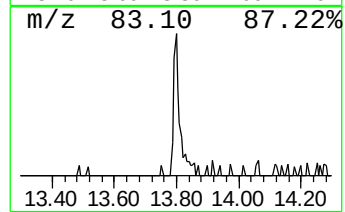
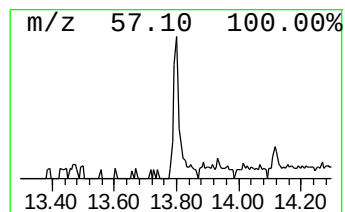
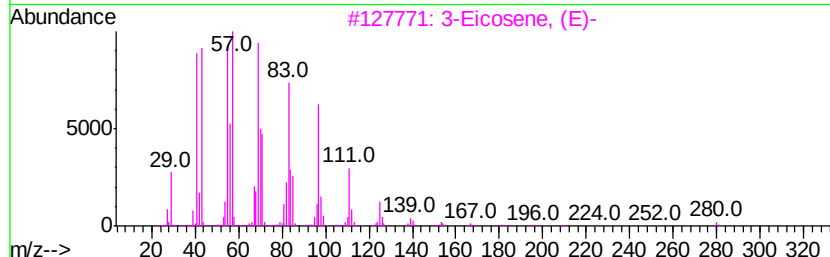
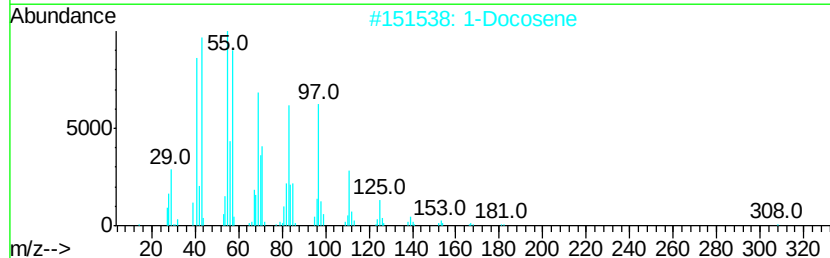
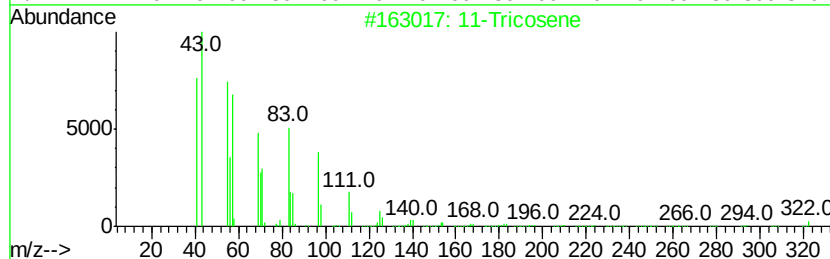
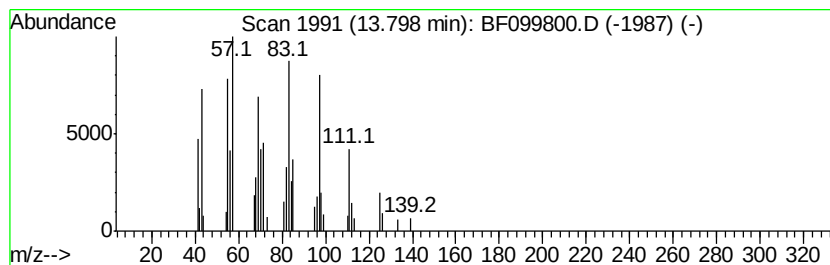
Instrument :  
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TIC Library : C:\DATABASE\NIST11.L  
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\*\*\*\*\*  
Peak Number 5 11-Tricosene Concentration Rank 5

| R.T.      | EstConc                             | Area  | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|-------|------------------|--------------|------|
| 13.80     | 3.18 ng                             | 67420 | Chrysene-d12     | 13.98        |      |
| Hit# of 5 | Tentative ID                        | MW    | MolForm          | CAS#         | Qual |
| 1         | 11-Tricosene                        | 322   | C23H46           | 052078-56-5  | 91   |
| 2         | 1-Docosene                          | 308   | C22H44           | 001599-67-3  | 91   |
| 3         | 3-Eicosene, (E)-                    | 280   | C20H40           | 074685-33-9  | 91   |
| 4         | 5-Eicosene, (E)-                    | 280   | C20H40           | 074685-30-6  | 91   |
| 5         | Carbonic acid, isobutyl octadecy... | 370   | C23H46O3         | 1000314-61-5 | 86   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| 2-Pentanone, 4-hy... | 5.02  | 8.5     | ng    | 194423   | 1                     | 6.80  | 459757 | 20.0 |
| unknown6.57          | 6.57  | 51.5    | ng    | 1184440  | 1                     | 6.80  | 459757 | 20.0 |
| Benzophenone         | 10.55 | 4.8     | ng    | 152422   | 3                     | 9.84  | 633120 | 20.0 |
| 11-Tricosene         | 13.80 | 3.2     | ng    | 67420    | 5                     | 13.98 | 424452 | 20.0 |