

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF101216\  
 Data File : BF090539.D  
 Acq On : 12 Oct 2016 16:59  
 Operator : UM/SJ  
 Sample : H5180-02  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 WC-1

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-BF101116.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         | 2.908       | 47            | 50          | 61           | rVB      | 41110          | 91216         | 1.28%           | 0.167%        |
| 2         | 4.543       | 191           | 193         | 198          | rBV2     | 49874          | 92227         | 1.30%           | 0.169%        |
| 3         | 5.171       | 245           | 248         | 269          | rBV      | 695981         | 1273986       | 17.95%          | 2.338%        |
| 4         | 5.583       | 281           | 284         | 316          | rBV      | 3452667        | 5146575       | 72.50%          | 9.447%        |
| 5         | 6.589       | 369           | 372         | 381          | rBV      | 2962063        | 4436625       | 62.50%          | 8.144%        |
| 6         | 6.726       | 381           | 384         | 401          | rVV      | 4357729        | 5851152       | 82.42%          | 10.740%       |
| 7         | 6.943       | 401           | 403         | 415          | rVB      | 735204         | 1299064       | 18.30%          | 2.384%        |
| 8         | 7.103       | 415           | 417         | 432          | rBV      | 3992710        | 4306385       | 60.66%          | 7.905%        |
| 9         | 7.514       | 450           | 453         | 455          | rBV      | 2796956        | 3469529       | 48.87%          | 6.368%        |
| 10        | 8.235       | 513           | 516         | 525          | rBV      | 1613105        | 1834734       | 25.85%          | 3.368%        |
| 11        | 9.309       | 607           | 610         | 613          | rBV      | 5746888        | 6693634       | 94.29%          | 12.286%       |
| 12        | 9.995       | 667           | 670         | 672          | rBV      | 1588739        | 2016494       | 28.41%          | 3.701%        |
| 13        | 10.783      | 736           | 739         | 742          | rBV      | 3956612        | 4290326       | 60.44%          | 7.875%        |
| 14        | 11.481      | 797           | 800         | 802          | rBV      | 2301650        | 2156186       | 30.37%          | 3.958%        |
| 15        | 13.069      | 936           | 939         | 942          | rBV      | 6910239        | 7098906       | 100.00%         | 13.030%       |
| 16        | 14.121      | 1027          | 1031        | 1034         | rBV      | 2218233        | 2156076       | 30.37%          | 3.958%        |
| 17        | 14.624      | 1069          | 1075        | 1084         | rBV2     | 58082          | 283938        | 4.00%           | 0.521%        |
| 18        | 15.595      | 1157          | 1160        | 1163         | rBV      | 1121369        | 1496486       | 21.08%          | 2.747%        |
| 19        | 15.938      | 1187          | 1190        | 1193         | rVB      | 51278          | 80654         | 1.14%           | 0.148%        |
| 20        | 16.532      | 1239          | 1242        | 1248         | rVB2     | 65461          | 157873        | 2.22%           | 0.290%        |
| 21        | 17.264      | 1302          | 1306        | 1311         | rVB      | 48552          | 131276        | 1.85%           | 0.241%        |
| 22        | 18.144      | 1379          | 1383        | 1390         | rVB2     | 35803          | 116372        | 1.64%           | 0.214%        |

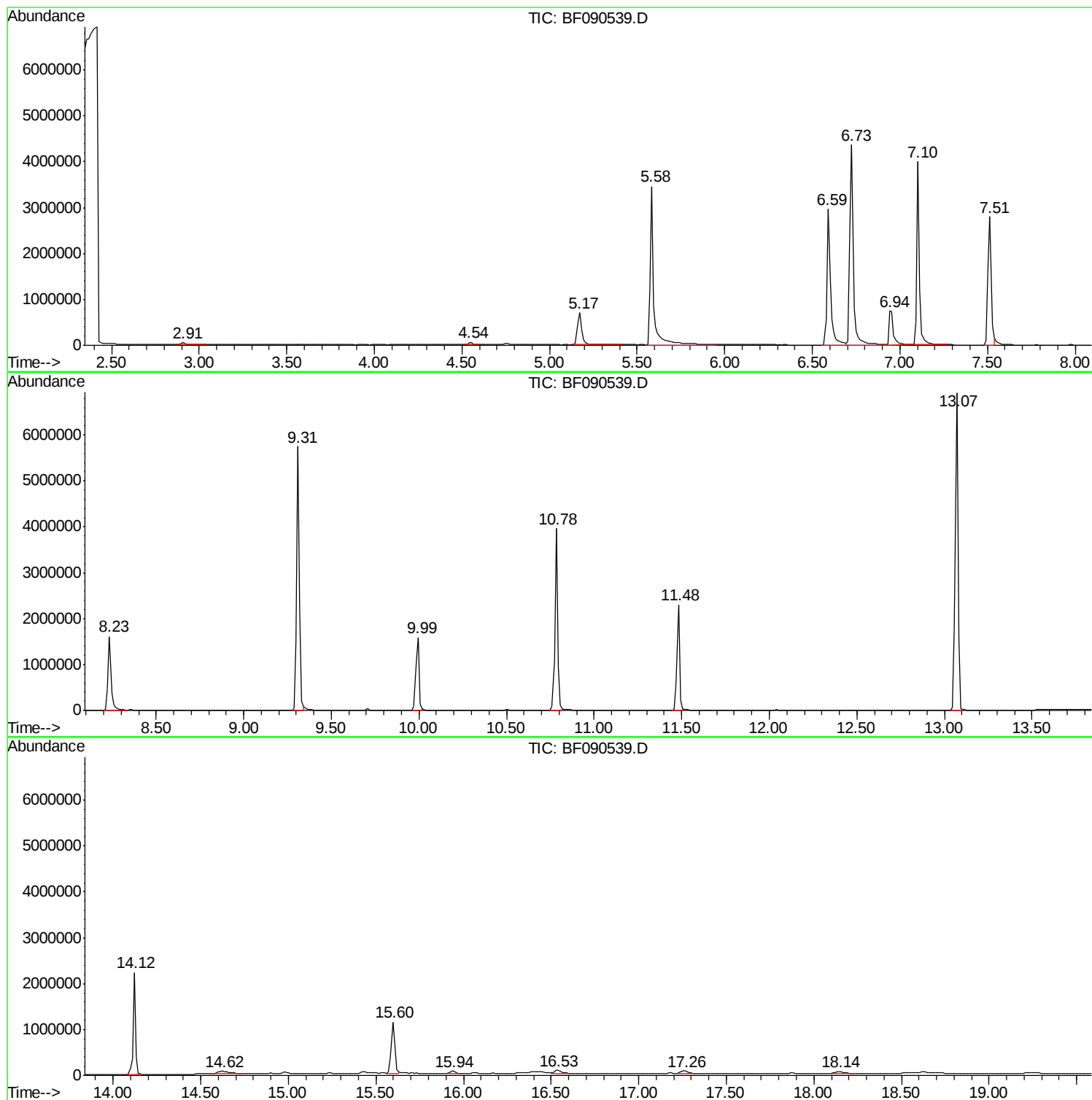
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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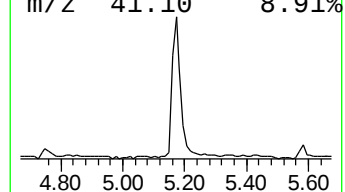
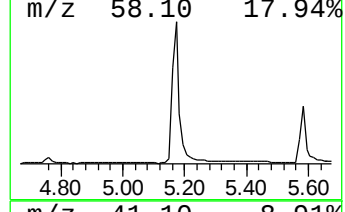
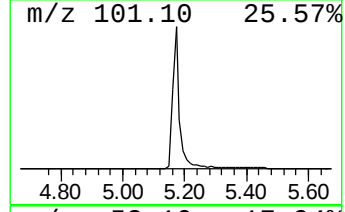
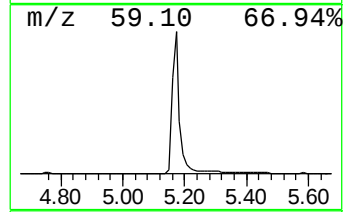
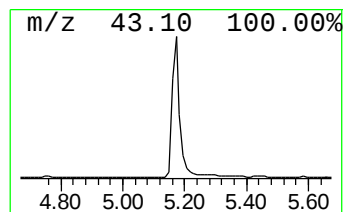
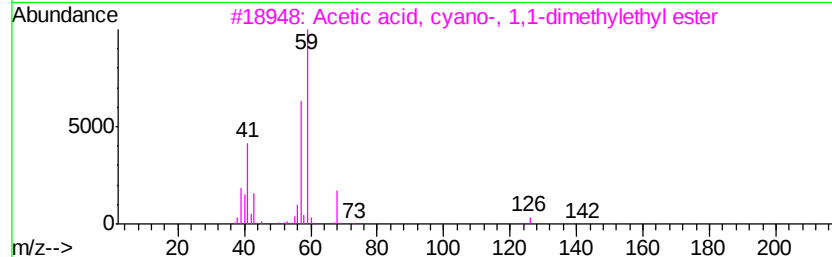
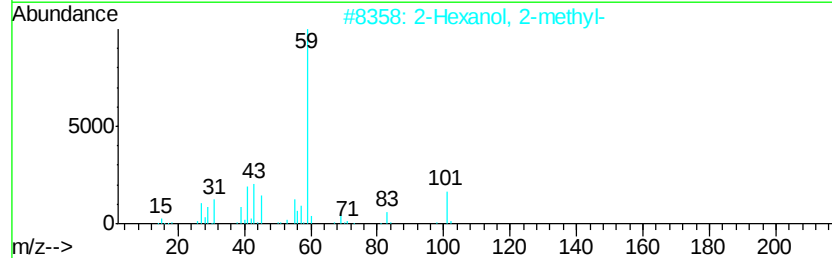
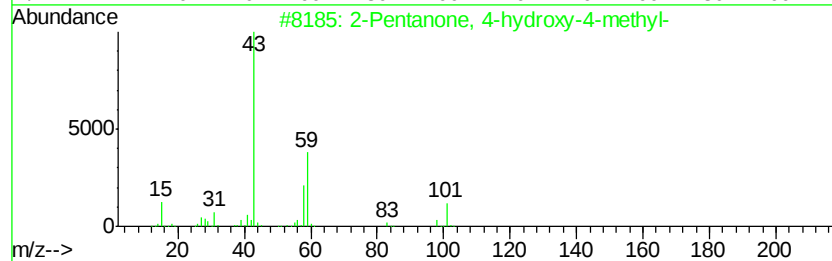
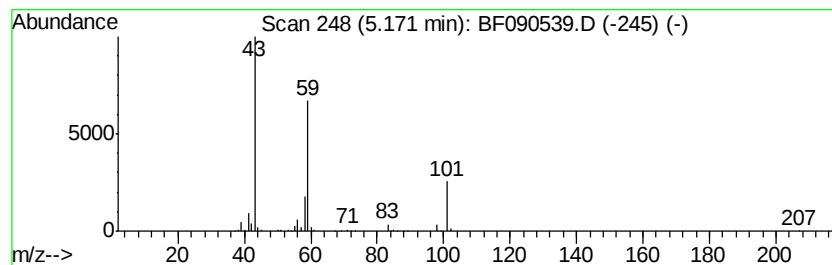
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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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. |
|------|----------|---------|------------------------|------|
| 5.17 | 19.61 ng | 1273990 | 1,4-Dichlorobenzene-d4 | 6.95 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    | 2-Hexanol, 2-methyl-                 | 116 | C7H16O   | 000625-23-0 | 53   |
| 3    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 4    |    | Guanidine                            | 59  | CH5N3    | 000113-00-8 | 9    |
| 5    |    | Acetone                              | 58  | C3H6O    | 000067-64-1 | 9    |



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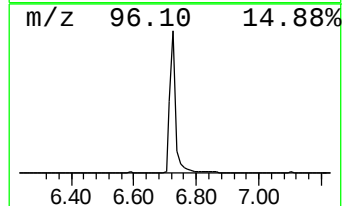
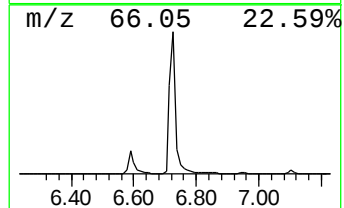
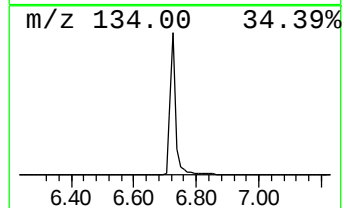
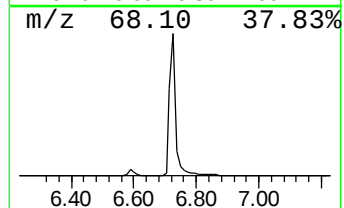
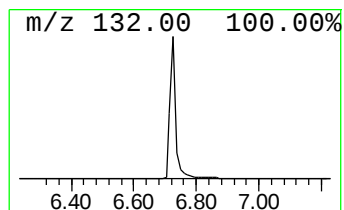
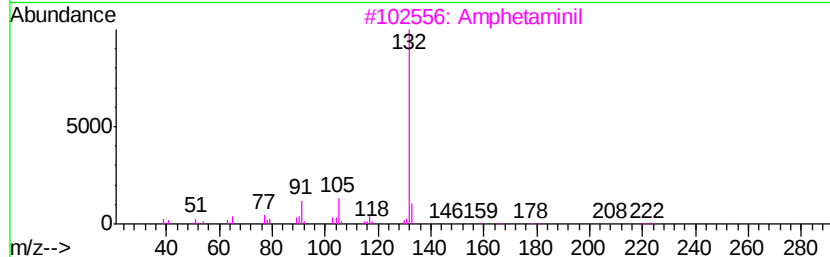
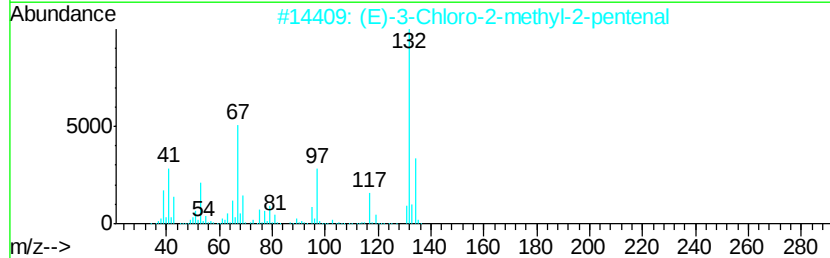
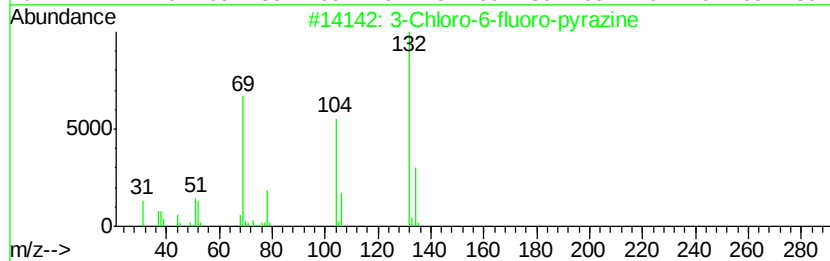
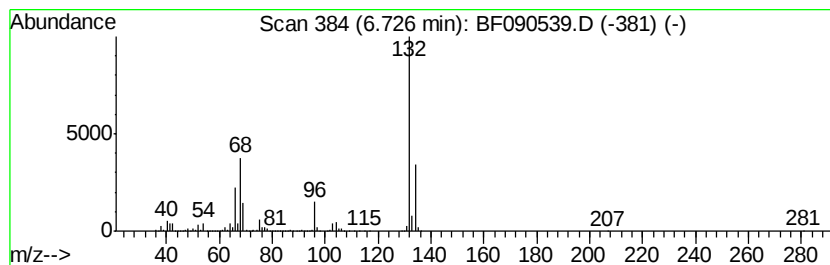
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF101116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 unknown6.73 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.73 | 90.08 ng | 5851150 | 1,4-Dichlorobenzene-d4 | 6.95 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 25   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | Amphetaminil                        | 250 | C17H18N2  | 017590-01-1  | 12   |
| 4    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 5    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



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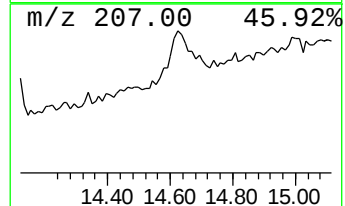
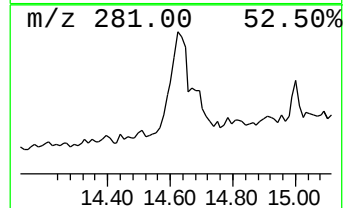
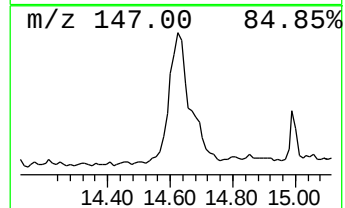
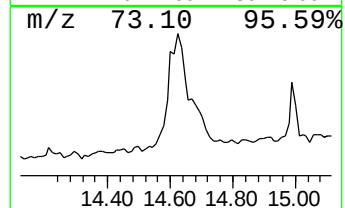
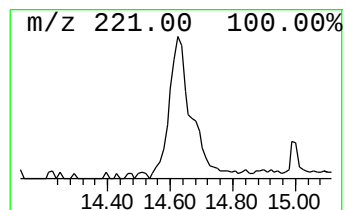
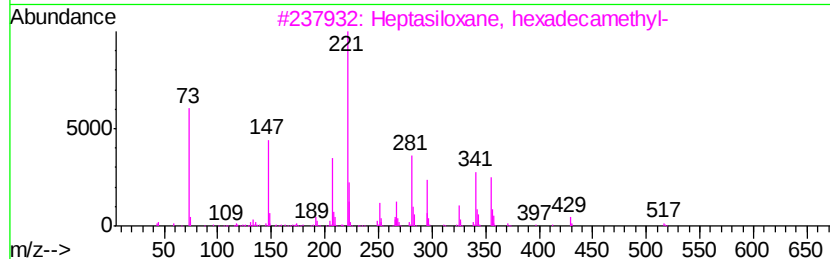
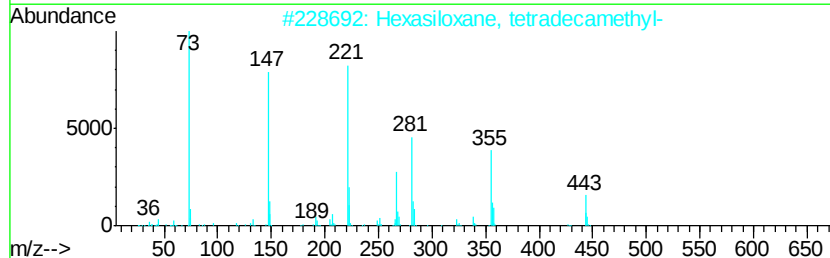
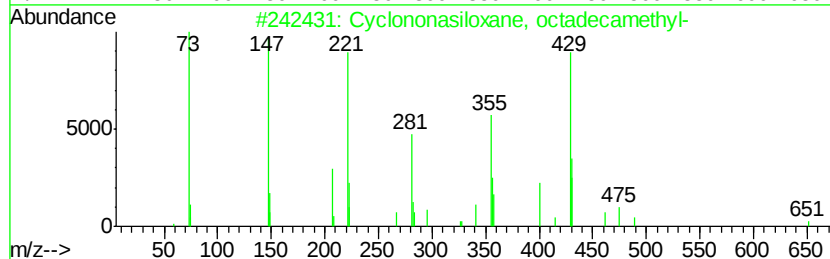
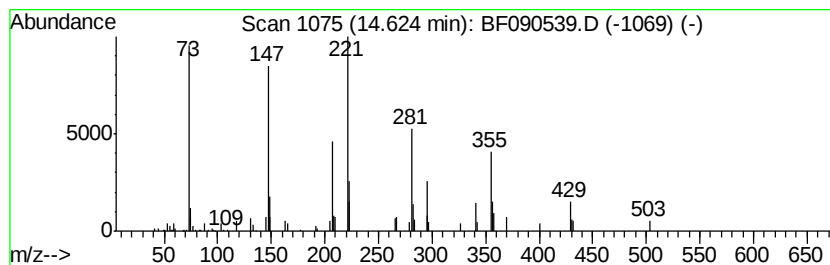
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Cyclononasiloxane, octadeca... Concentration Rank 4

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 14.62     | 2.63 ng                             | 283938 | Chrysene-d12     | 14.12       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Cyclononasiloxane, octadecamethyl-  | 666    | C18H5409Si9      | 000556-71-8 | 83   |
| 2         | Hexasiloxane, tetradecamethyl-      | 458    | C14H4205Si6      | 000107-52-8 | 68   |
| 3         | Heptasiloxane, hexadecamethyl-      | 532    | C16H4806Si7      | 000541-01-5 | 59   |
| 4         | 3,6-Dioxa-2,4,5,7-tetrasilaoctan... | 294    | C10H3002Si4      | 004342-25-0 | 32   |
| 5         | Mercaptoacetic acid, bis(trimeth... | 236    | C8H2002SSi2      | 006398-62-5 | 32   |



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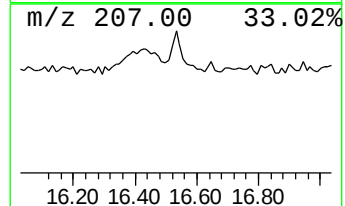
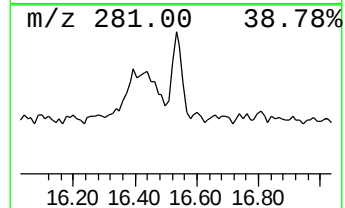
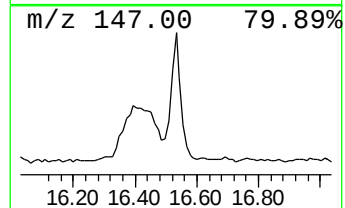
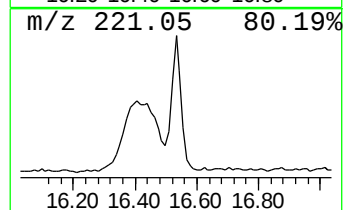
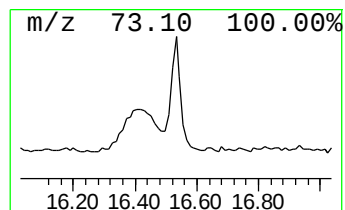
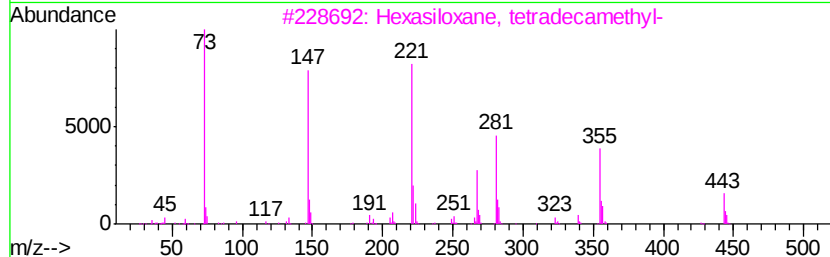
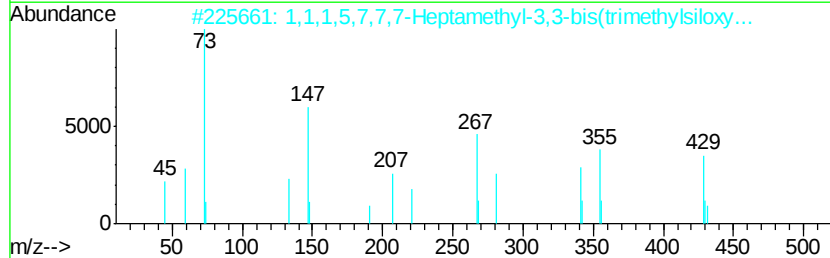
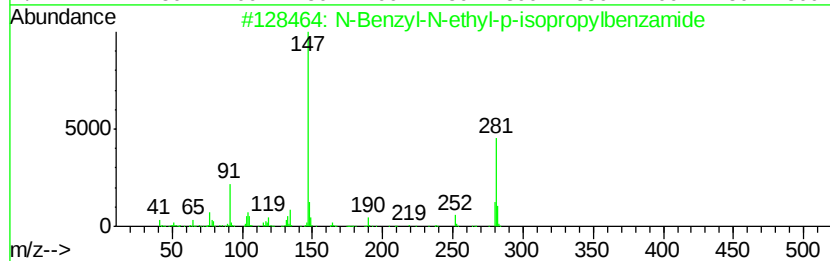
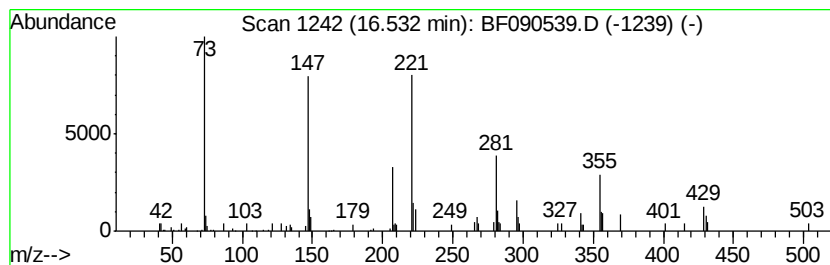
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\*\*\*\*\*  
Peak Number 5 unknown16.53 Concentration Rank 5

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 16.53     | 2.11 ng                             | 157873 | Perylene-d12     | 15.60       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | N-Benzyl-N-ethyl-p-isopropylbenz... | 281    | C19H23NO         | 015089-22-2 | 38   |
| 2         | 1,1,1,5,7,7,7-Heptamethyl-3,3-bi... | 444    | C13H40O5Si6      | 038147-00-1 | 37   |
| 3         | Hexasiloxane, tetradecamethyl-      | 458    | C14H42O5Si6      | 000107-52-8 | 35   |
| 4         | Trisiloxane, 1,1,1,5,5,5-hexamet... | 384    | C12H36O4Si5      | 003555-47-3 | 35   |
| 5         | Pentasiloxane, dodecamethyl-        | 384    | C12H36O4Si5      | 000141-63-9 | 35   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 5.17  | 19.6    | ng    | 1273990  | 1                     | 6.95  | 1299060 | 20.0 |
| unknown6.73          | 6.73  | 90.1    | ng    | 5851150  | 1                     | 6.95  | 1299060 | 20.0 |
| Cyclononasiloxane... | 14.62 | 2.6     | ng    | 283938   | 5                     | 14.12 | 2156080 | 20.0 |
| unknown16.53         | 16.53 | 2.1     | ng    | 157873   | 6                     | 15.60 | 1496490 | 20.0 |