

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071615\  
 Data File : BF080530.D  
 Acq On : 17 Jul 2015 1:56  
 Operator : TP/UM  
 Sample : G2973-16  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RINSATEBLANK

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-BF071615.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         | 2.190       | 7             | 9           | 27           | rVB      | 435843         | 738009        | 97.12%          | 10.946%       |
| 2         | 5.299       | 279           | 281         | 287          | rBV      | 8021           | 16106         | 2.12%           | 0.239%        |
| 3         | 5.699       | 314           | 316         | 332          | rVB3     | 232211         | 284123        | 37.39%          | 4.214%        |
| 4         | 6.716       | 404           | 405         | 414          | rBV2     | 178250         | 181234        | 23.85%          | 2.688%        |
| 5         | 6.853       | 414           | 417         | 419          | rBV      | 457728         | 470689        | 61.94%          | 6.981%        |
| 6         | 7.070       | 434           | 436         | 439          | rVB      | 204291         | 183083        | 24.09%          | 2.715%        |
| 7         | 7.230       | 448           | 450         | 453          | rBV      | 582208         | 471360        | 62.03%          | 6.991%        |
| 8         | 7.642       | 484           | 486         | 488          | rBV      | 352433         | 321962        | 42.37%          | 4.775%        |
| 9         | 8.362       | 547           | 549         | 551          | rBV      | 328620         | 254850        | 33.54%          | 3.780%        |
| 10        | 9.436       | 640           | 643         | 645          | rBV      | 869559         | 737857        | 97.10%          | 10.943%       |
| 11        | 10.122      | 701           | 703         | 705          | rVB      | 272115         | 264439        | 34.80%          | 3.922%        |
| 12        | 10.911      | 770           | 772         | 774          | rBV      | 388316         | 371881        | 48.94%          | 5.515%        |
| 13        | 11.608      | 831           | 833         | 835          | rBV      | 342105         | 278992        | 36.71%          | 4.138%        |
| 14        | 13.208      | 971           | 973         | 975          | rBV      | 886202         | 759917        | 100.00%         | 11.270%       |
| 15        | 14.374      | 1072          | 1075        | 1078         | rBV      | 265305         | 245388        | 32.29%          | 3.639%        |
| 16        | 15.139      | 1134          | 1142        | 1145         | rBV      | 48569          | 151592        | 19.95%          | 2.248%        |
| 17        | 15.208      | 1145          | 1148        | 1157         | rVB      | 44447          | 131960        | 17.37%          | 1.957%        |
| 18        | 16.042      | 1218          | 1221        | 1227         | rBV      | 188634         | 236365        | 31.10%          | 3.506%        |
| 19        | 17.357      | 1322          | 1336        | 1348         | rBV4     | 42444          | 339132        | 44.63%          | 5.030%        |
| 20        | 19.986      | 1552          | 1566        | 1580         | rBV3     | 36930          | 303623        | 39.95%          | 4.503%        |

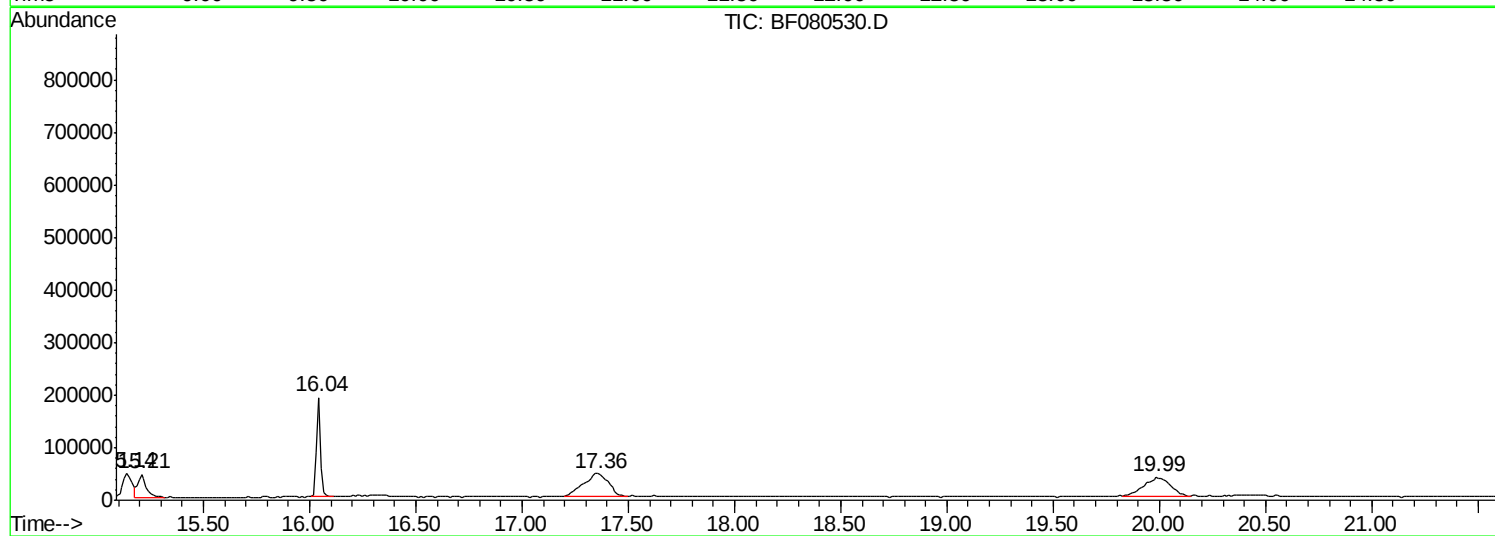
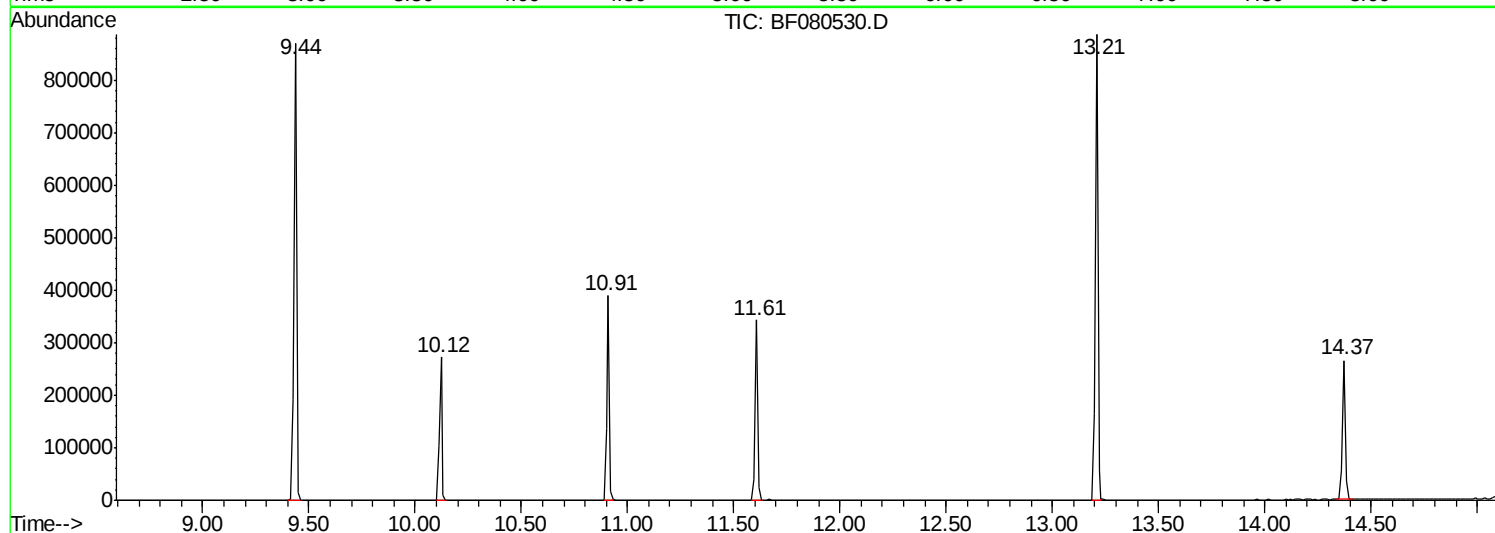
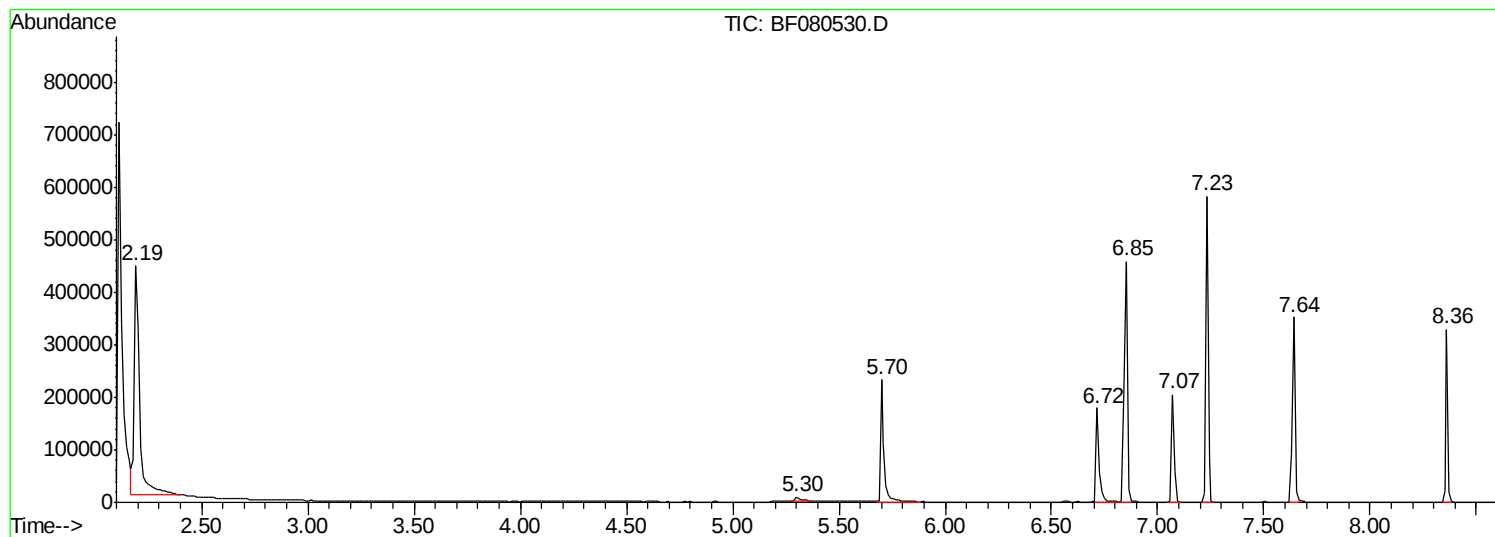
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Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF071615\  
Data File : BF080530.D  
Acq On : 17 Jul 2015 1:56  
Operator : TP/UM  
Sample : G2973-16  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RINSATEBLANK

Quant Title :

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



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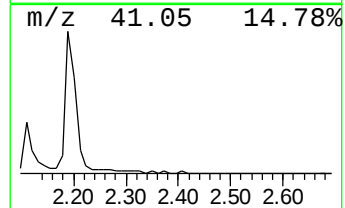
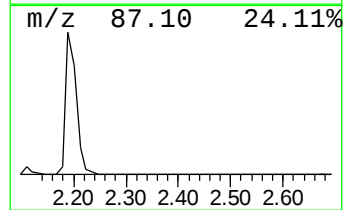
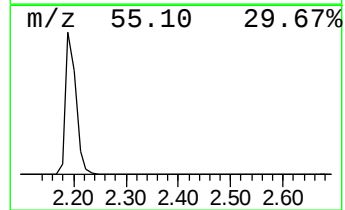
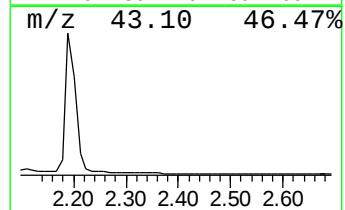
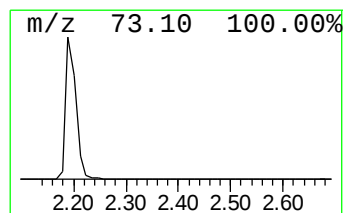
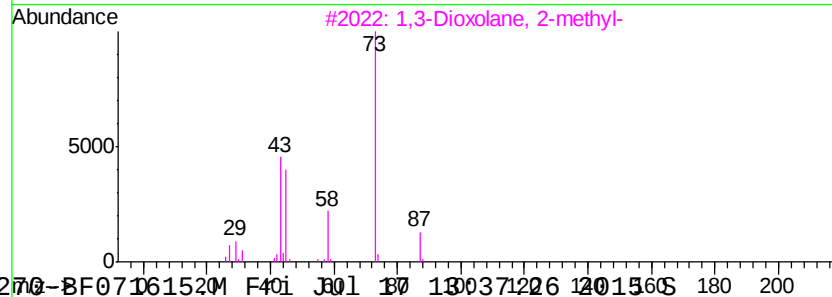
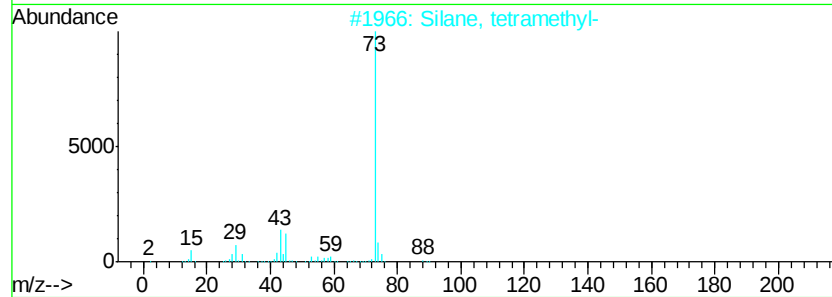
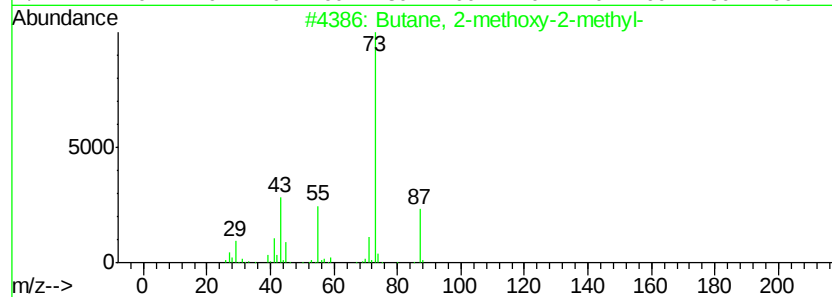
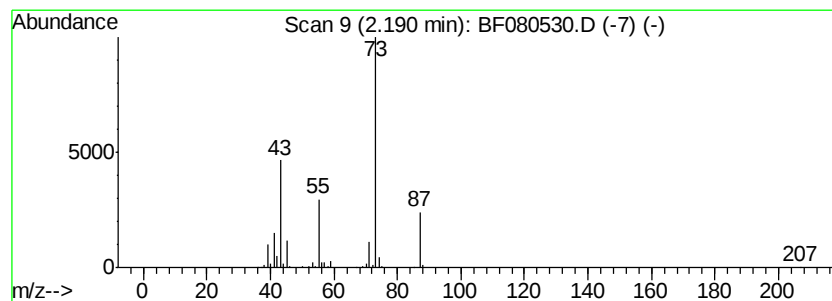
Quant Title :

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 2.19 | 80.62 ng | 738009 | 1,4-Dichlorobenzene-d4 | 7.07 |

| Hit# of | 5                           | Tentative ID | MW      | MolForm     | CAS# | Qual |
|---------|-----------------------------|--------------|---------|-------------|------|------|
| 1       | Butane, 2-methoxy-2-methyl- | 102          | C6H14O  | 000994-05-8 | 83   |      |
| 2       | Silane, tetramethyl-        | 88           | C4H12Si | 000075-76-3 | 38   |      |
| 3       | 1,3-Dioxolane, 2-methyl-    | 88           | C4H8O2  | 000497-26-7 | 23   |      |
| 4       | Pentane, 3-methoxy-         | 102          | C6H14O  | 036839-67-5 | 12   |      |
| 5       | N-Ethylformamide            | 73           | C3H7NO  | 000627-45-2 | 9    |      |



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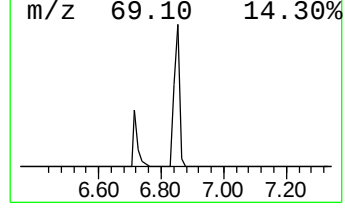
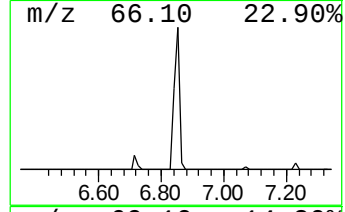
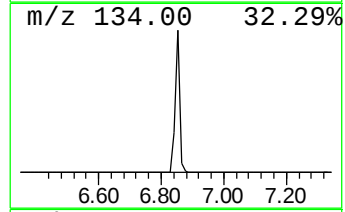
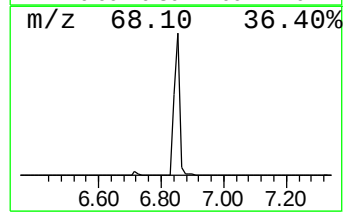
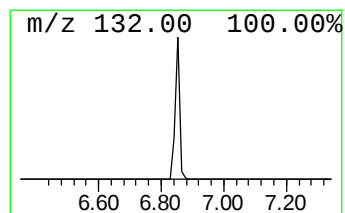
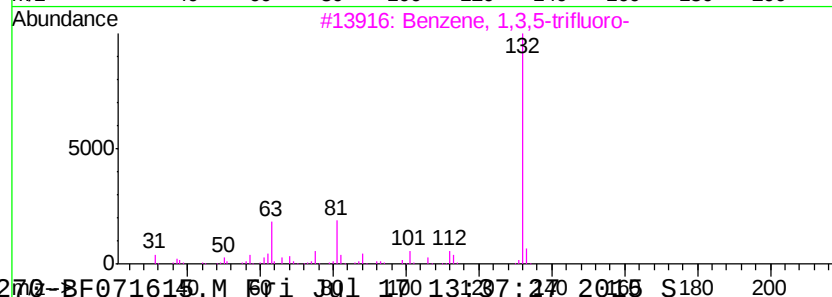
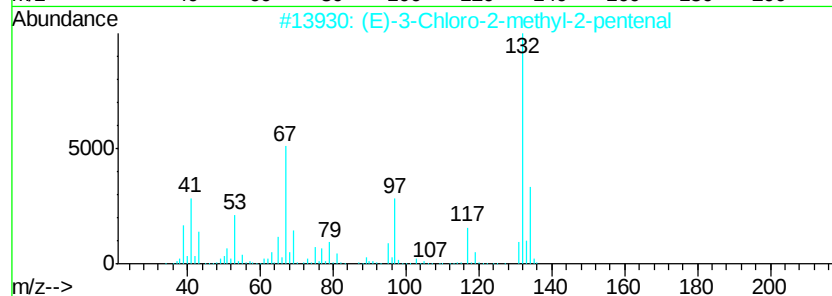
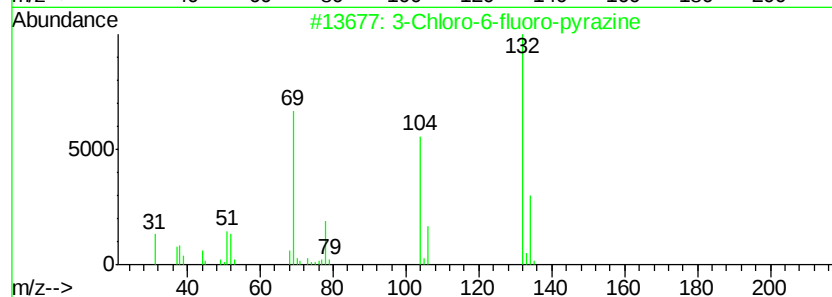
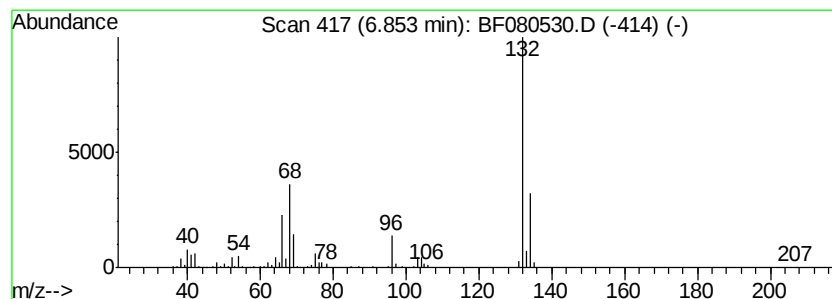
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.85 Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.85 | 51.42 ng | 470689 | 1,4-Dichlorobenzene-d4 | 7.07 |

| Hit# of 5 | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|-----------|----------------------------------|-----|-----------|--------------|------|
| 1         | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2         | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3         | Benzene, 1,3,5-trifluoro-        | 132 | C6H3F3    | 000372-38-3  | 9    |
| 4         | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 5         | 1-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-59-9  | 9    |



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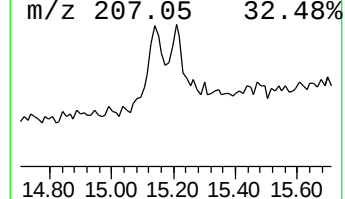
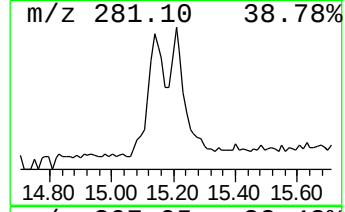
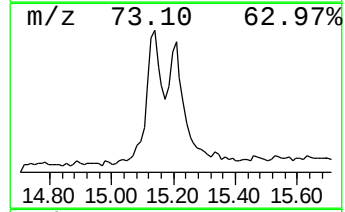
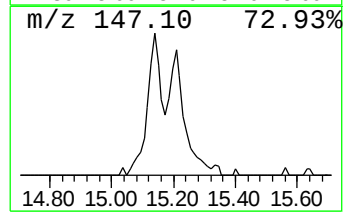
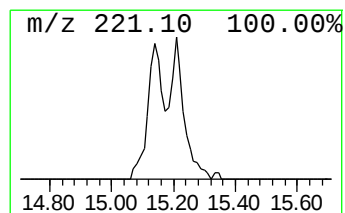
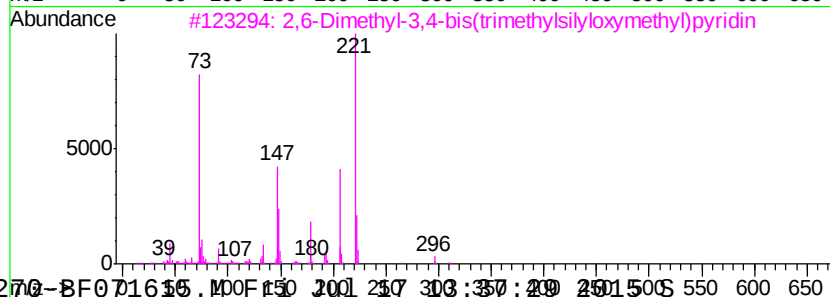
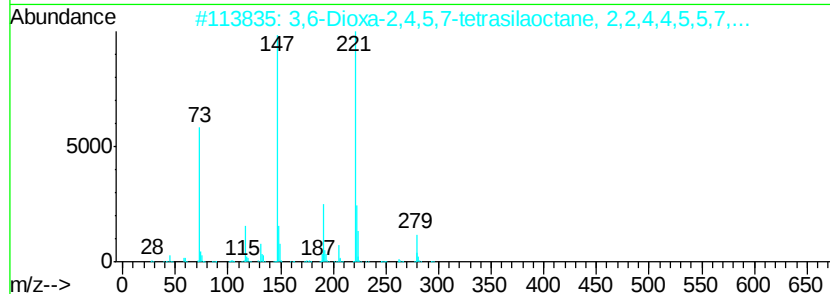
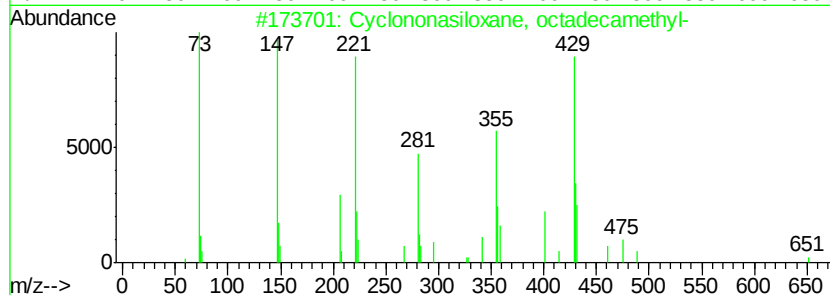
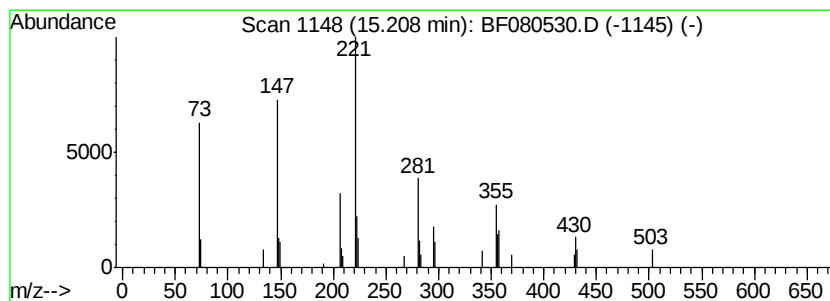
Quant Title :

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

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Peak Number 5 unknown15.21 Concentration Rank 7

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 15.21 | 10.76 ng | 131960 | Chrysene-d12     | 14.37 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm       | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------------|--------------|------|
| 1    |    |   | Cyclononasiloxane, octadecamethyl-  | 666 | C18H54O9Si9   | 000556-71-8  | 86   |
| 2    |    |   | 3,6-Dioxa-2,4,5,7-tetrasilaoctan... | 294 | C10H30O2Si4   | 004342-25-0  | 47   |
| 3    |    |   | 2,6-Dimethyl-3,4-bis(trimethylsi... | 311 | C15H29N02Si2  | 1000079-52-1 | 38   |
| 4    |    |   | Dithioerythritol, 0,0',S,S'-tetr... | 442 | C16H42O2S2Si4 | 1000079-30-7 | 38   |
| 5    |    |   | 1,3-Benzodioxole, 5-[3-acetamino... | 221 | C12H15N03     | 1000124-33-0 | 35   |



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ClientSampleId :  
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Quant Title :

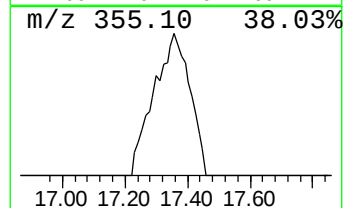
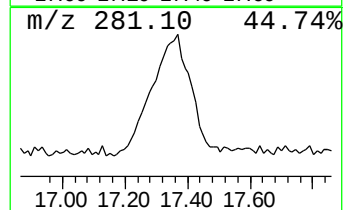
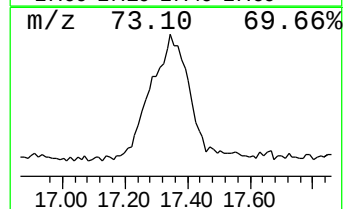
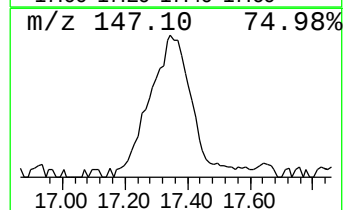
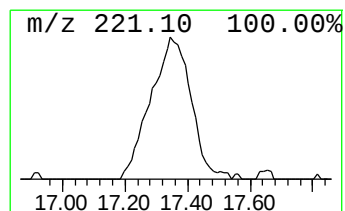
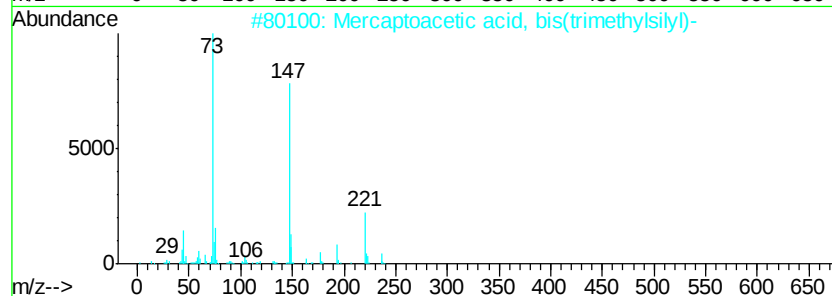
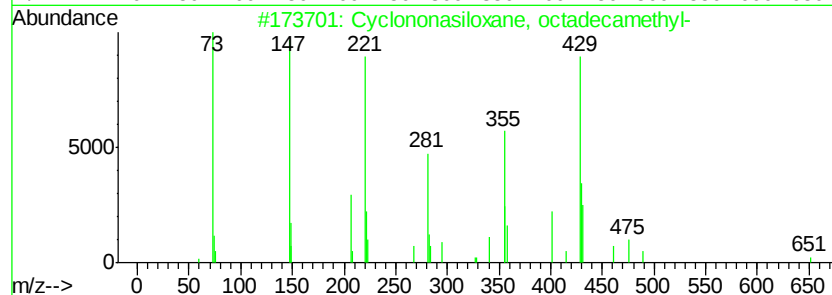
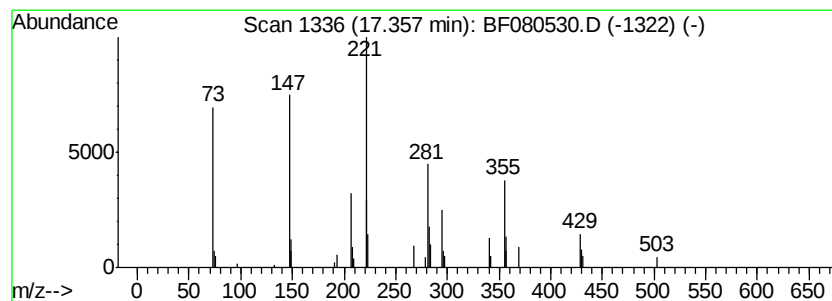
TIC Library : C:\DATABASE\NIST02.L  
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Peak Number 6 unknown17.36 Concentration Rank 4

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 17.36 | 28.70 ng | 339132 | Perylene-d12     | 16.04 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm       | CAS#         | Qual |
|---------|---|-------------------------------------|-----|---------------|--------------|------|
| 1       |   | Cyclononasiloxane, octadecamethyl-  | 666 | C18H54O9Si9   | 000556-71-8  | 87   |
| 2       |   | Mercaptoacetic acid, bis(trimeth... | 236 | C8H20O2SSi2   | 006398-62-5  | 38   |
| 3       |   | 3-Isopropoxy-1,1,1,7,7,7-hexamet... | 576 | C18H52O7Si7   | 071579-69-6  | 32   |
| 4       |   | N-Benzyl-N-ethyl-p-isopropylbenz... | 281 | C19H23NO      | 015089-22-2  | 30   |
| 5       |   | Dithioerythritol, 0,0',S,S'-tetr... | 442 | C16H42O2S2Si4 | 1000079-30-7 | 28   |



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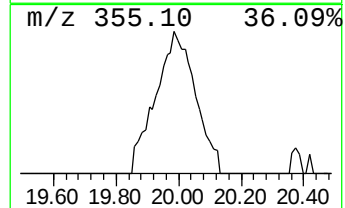
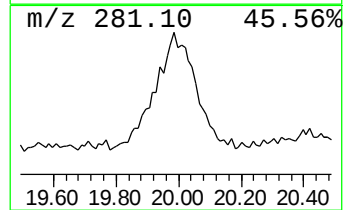
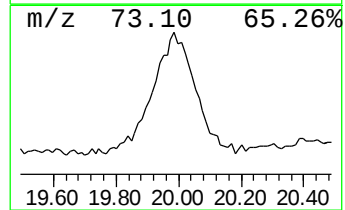
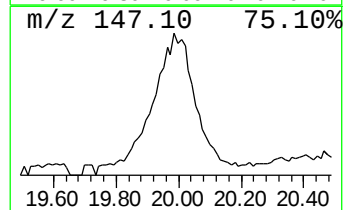
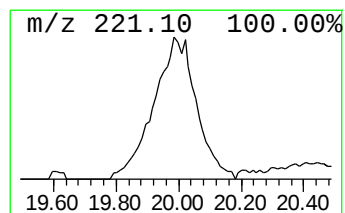
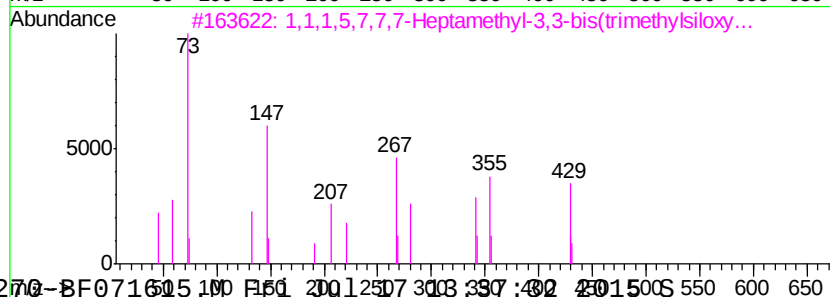
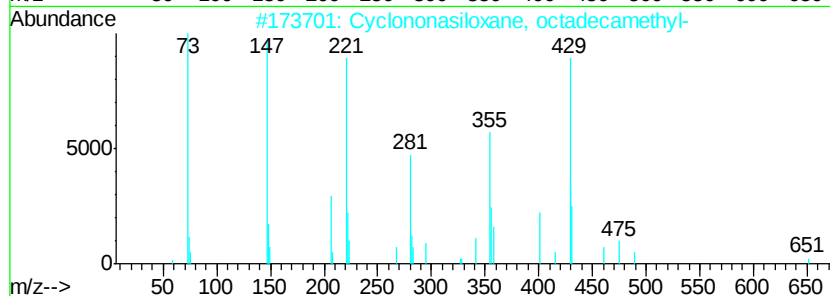
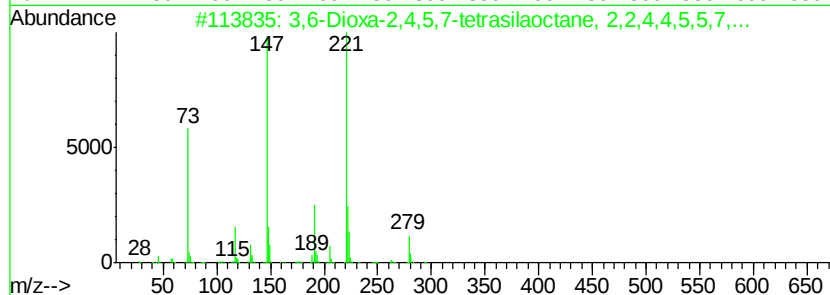
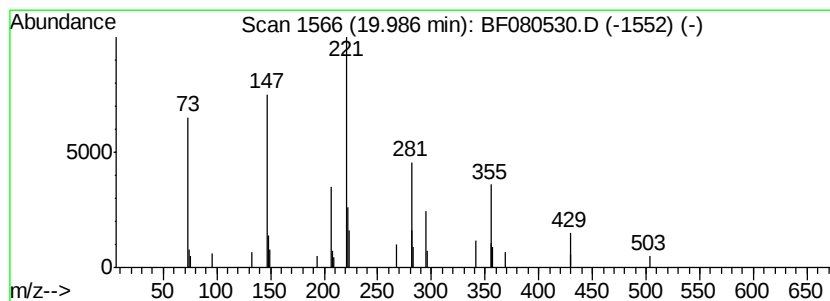
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown19.99 Concentration Rank 5

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 19.99 | 25.69 ng | 303623 | Perylene-d12     | 16.04 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 3,6-Dioxa-2,4,5,7-tetrasilaoctan... | 294 | C10H30O2Si4  | 004342-25-0 | 47      |      |      |
| 2    | Cyclononasiloxane, octadecamethyl-  | 666 | C18H54O9Si9  | 000556-71-8 | 40      |      |      |
| 3    | 1,1,1,5,7,7,7-Heptamethyl-3,3-bi... | 444 | C13H40O5Si6  | 038147-00-1 | 37      |      |      |
| 4    | Pentasiloxane, dodecamethyl-        | 384 | C12H36O4Si5  | 000141-63-9 | 27      |      |      |
| 5    | 1,2-Benzenedicarboxylic acid, bi... | 310 | C14H22O4Si2  | 002078-22-0 | 22      |      |      |



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RINSATEBLANK

Quant Title :

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | ---Internal Standard--- |       |        |      |
|----------------------|-------|---------|-------|----------|-------------------------|-------|--------|------|
|                      |       |         |       |          | #                       | RT    | Resp   | Conc |
| Butane, 2-methoxy... | 2.19  | 80.6    | ng    | 738009   | 1                       | 7.07  | 183083 | 20.0 |
| unknown6.85          | 6.85  | 51.4    | ng    | 470689   | 1                       | 7.07  | 183083 | 20.0 |
| unknown15.21         | 15.21 | 10.8    | ng    | 131960   | 5                       | 14.37 | 245388 | 20.0 |
| unknown17.36         | 17.36 | 28.7    | ng    | 339132   | 6                       | 16.04 | 236365 | 20.0 |
| unknown19.99         | 19.99 | 25.7    | ng    | 303623   | 6                       | 16.04 | 236365 | 20.0 |