

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\  
 Data File : BF079276.D  
 Acq On : 15 May 2015 18:14  
 Operator : TP/IZ  
 Sample : G2269-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1505123096

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-BF043015.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         | 1.324       | 10            | 12          | 15           | rBV      | 2180816        | 2749465       | 34.77%          | 13.672%       |
| 2         | 1.461       | 20            | 24          | 27           | rBV      | 4859706        | 7906501       | 100.00%         | 39.315%       |
| 3         | 1.621       | 37            | 38          | 41           | rVB      | 125576         | 135922        | 1.72%           | 0.676%        |
| 4         | 1.678       | 41            | 43          | 46           | rBV      | 49882          | 98566         | 1.25%           | 0.490%        |
| 5         | 1.792       | 51            | 53          | 74           | rVB      | 838669         | 1606596       | 20.32%          | 7.989%        |
| 6         | 2.055       | 74            | 76          | 80           | rBV      | 54925          | 80765         | 1.02%           | 0.402%        |
| 7         | 5.461       | 372           | 374         | 377          | rBV      | 435147         | 482006        | 6.10%           | 2.397%        |
| 8         | 6.742       | 484           | 486         | 489          | rVB      | 575578         | 515287        | 6.52%           | 2.562%        |
| 9         | 6.890       | 496           | 499         | 501          | rBV      | 446844         | 540718        | 6.84%           | 2.689%        |
| 10        | 7.176       | 521           | 524         | 526          | rBV      | 423632         | 378112        | 4.78%           | 1.880%        |
| 11        | 7.359       | 538           | 540         | 543          | rVB      | 492885         | 496996        | 6.29%           | 2.471%        |
| 12        | 7.862       | 582           | 584         | 587          | rBV      | 227387         | 302919        | 3.83%           | 1.506%        |
| 13        | 8.753       | 659           | 662         | 664          | rBV      | 594448         | 532326        | 6.73%           | 2.647%        |
| 14        | 10.102      | 777           | 780         | 782          | rBV      | 674679         | 661741        | 8.37%           | 3.290%        |
| 15        | 10.925      | 850           | 852         | 854          | rBV      | 647192         | 593924        | 7.51%           | 2.953%        |
| 16        | 11.896      | 935           | 937         | 940          | rBV2     | 305746         | 397529        | 5.03%           | 1.977%        |
| 17        | 12.765      | 1011          | 1013        | 1015         | rBV      | 681597         | 623366        | 7.88%           | 3.100%        |
| 18        | 14.754      | 1185          | 1187        | 1190         | rBV      | 584230         | 729376        | 9.23%           | 3.627%        |
| 19        | 16.057      | 1299          | 1301        | 1304         | rBV      | 536760         | 593742        | 7.51%           | 2.952%        |
| 20        | 17.143      | 1393          | 1396        | 1403         | rBV      | 55069          | 101104        | 1.28%           | 0.503%        |
| 21        | 17.851      | 1455          | 1458        | 1461         | rBV      | 428783         | 583702        | 7.38%           | 2.902%        |

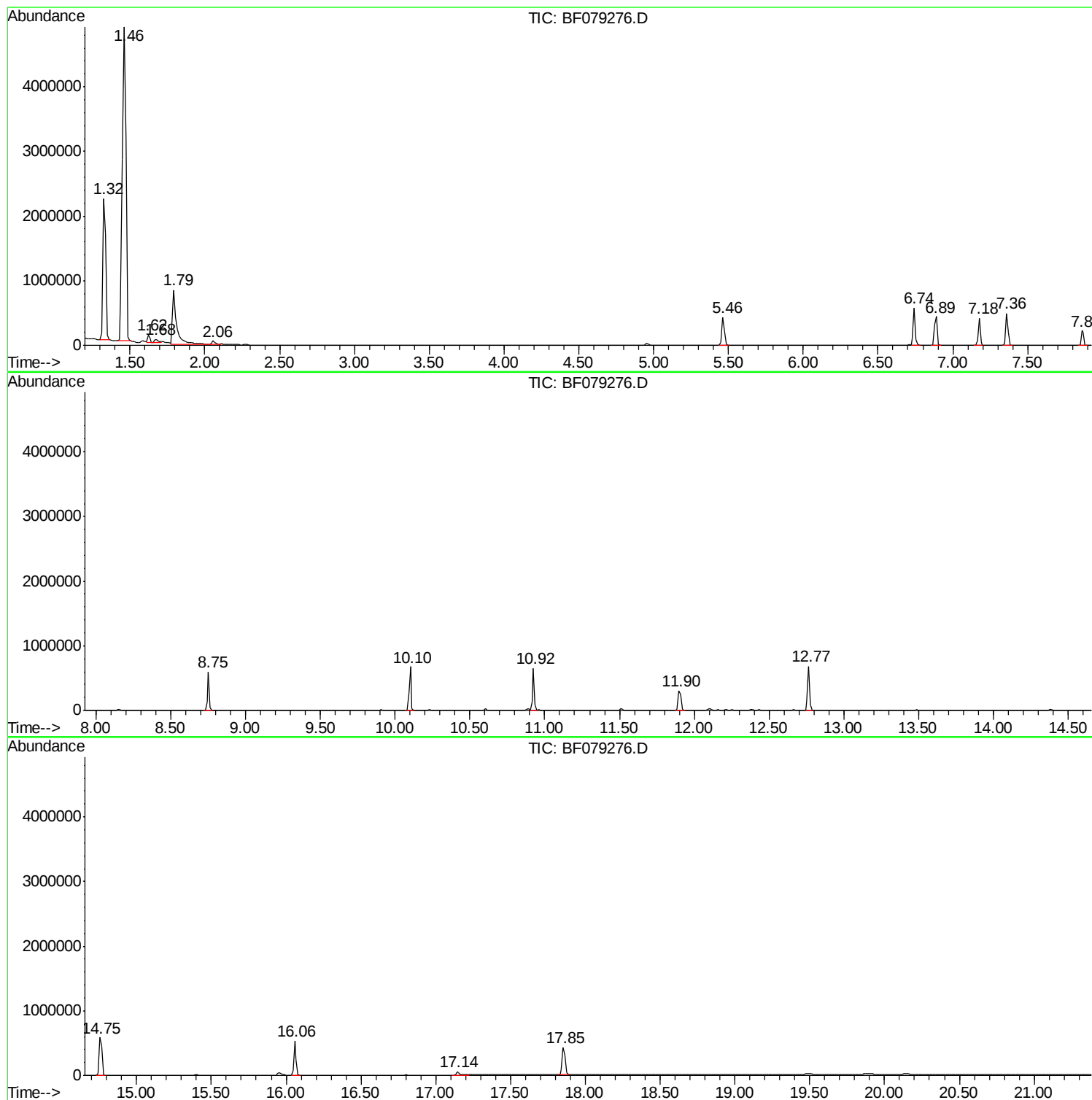
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Instrument :  
BNA\_F  
ClientSampleId :  
1505123096

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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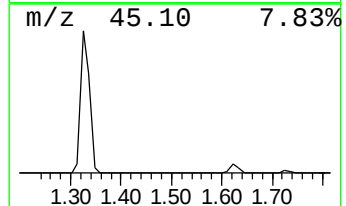
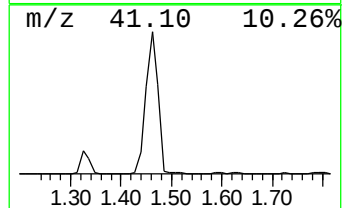
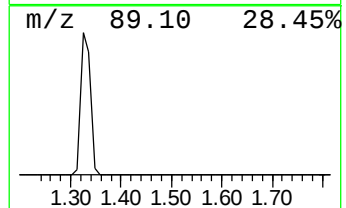
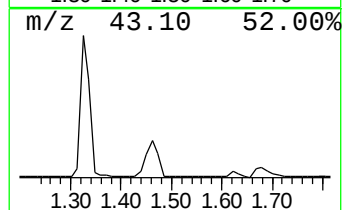
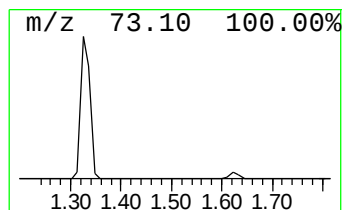
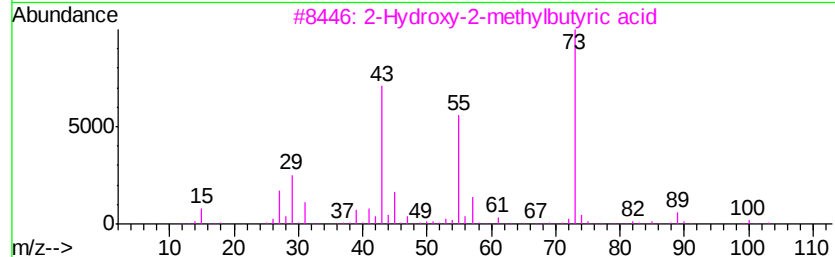
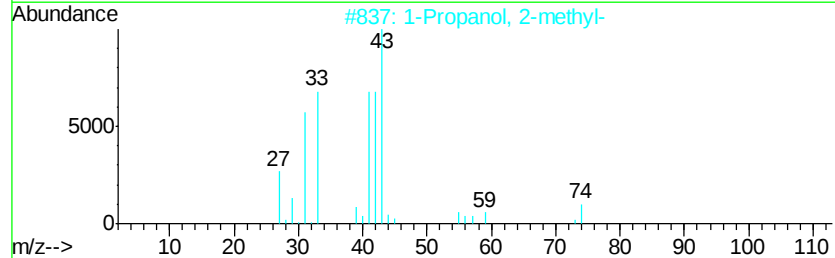
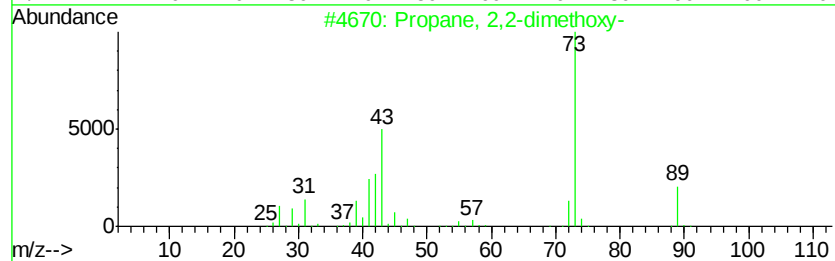
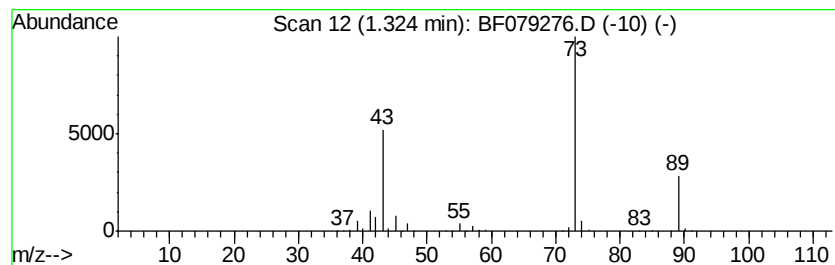
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 2

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 1.32 | 145.43 ng | 2749470 | 1,4-Dichlorobenzene-d4 | 7.18 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Propane, 2,2-dimethoxy-             | 104 | C5H12O2  | 000077-76-9 | 72   |
| 2    |    | 1-Propanol, 2-methyl-               | 74  | C4H10O   | 000078-83-1 | 9    |
| 3    |    | 2-Hydroxy-2-methylbutyric acid      | 118 | C5H10O3  | 003739-30-8 | 9    |
| 4    |    | 1-Hexen-4-ol, 1-chloro-3,5-dimet... | 162 | C8H15ClO | 100244-09-5 | 9    |
| 5    |    | Propanoic acid, 2-methyl-, propy... | 130 | C7H14O2  | 000644-49-5 | 9    |



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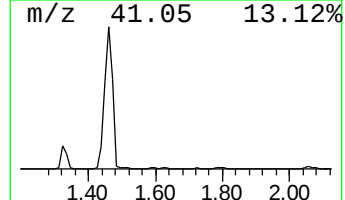
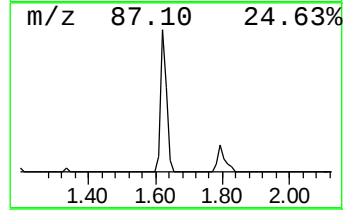
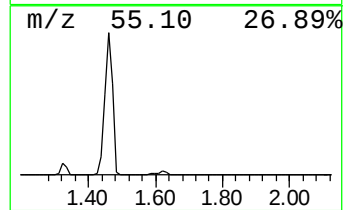
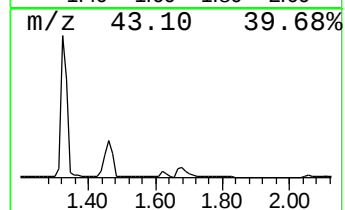
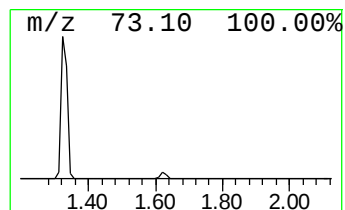
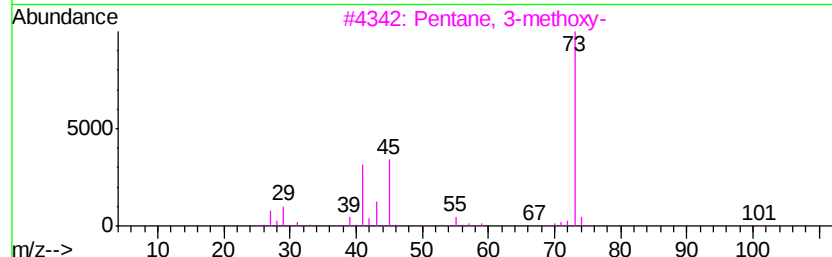
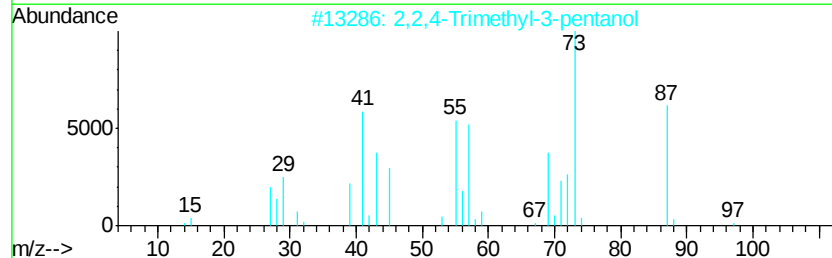
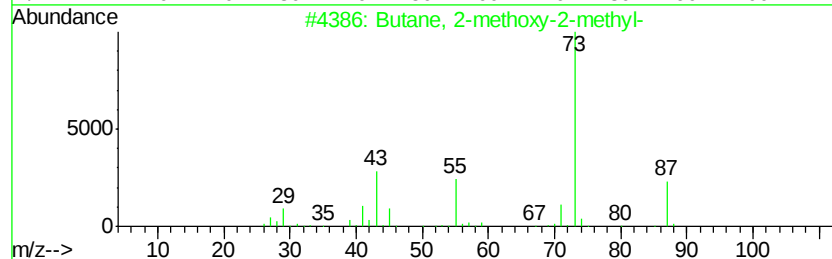
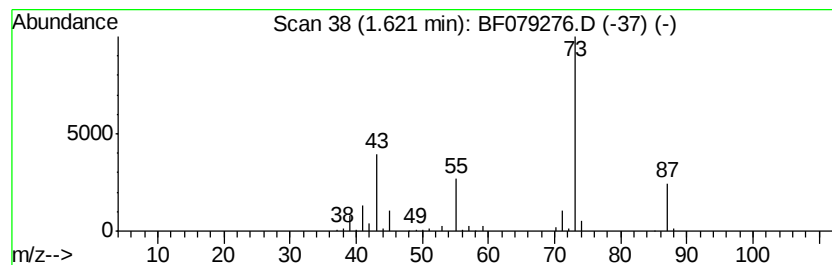
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 6

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 1.62 | 7.19 ng | 135922 | 1,4-Dichlorobenzene-d4 | 7.18 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 64   |
| 3    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 12   |
| 4    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 10   |
| 5    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 9    |



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ClientSampleId :  
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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
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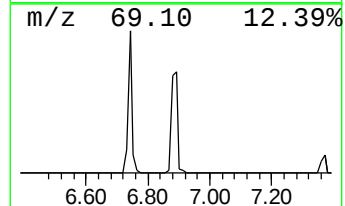
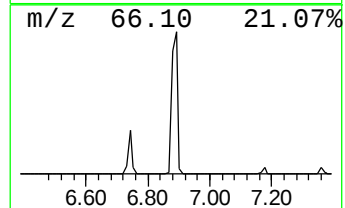
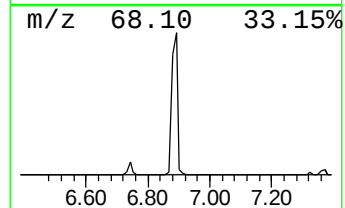
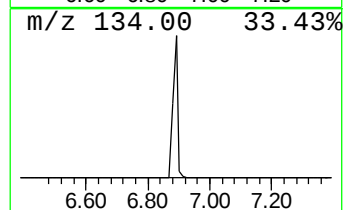
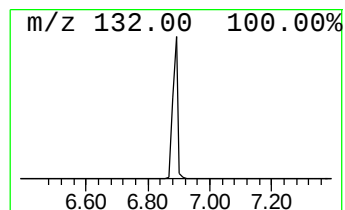
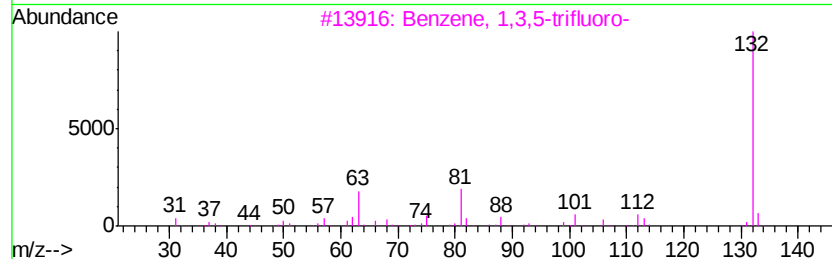
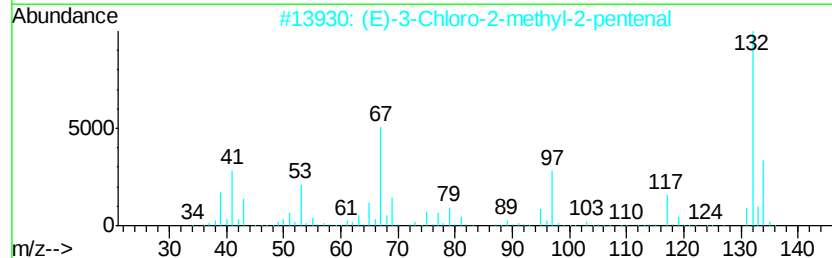
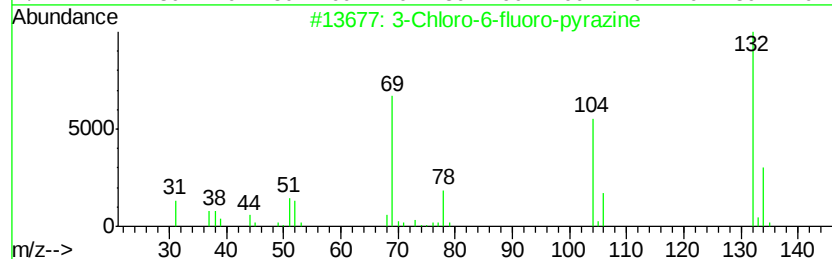
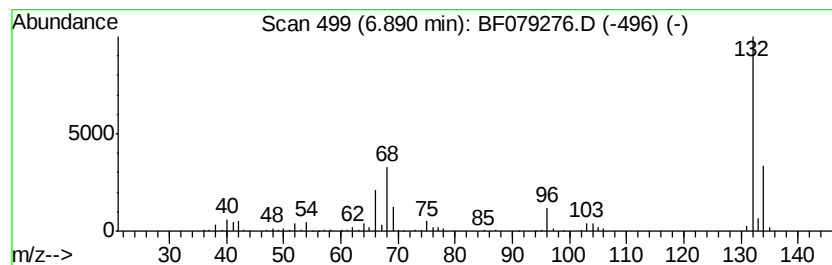
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown6.89 Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.89 | 28.60 ng | 540718 | 1,4-Dichlorobenzene-d4 | 7.18 |

| 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    |    | Benzene, 1,3,5-trifluoro-        | 132 | C6H3F3    | 000372-38-3  | 9    |
| 4    |    | 4-Chloro-6-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-01-6  | 9    |
| 5    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |



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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
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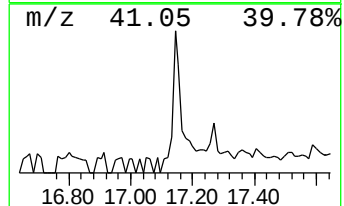
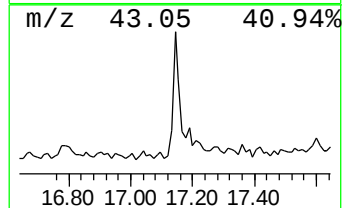
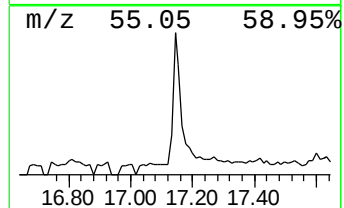
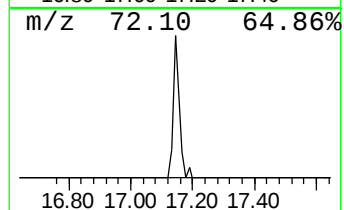
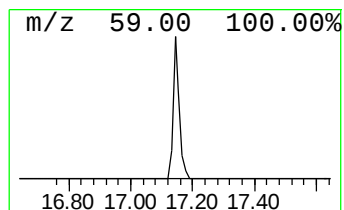
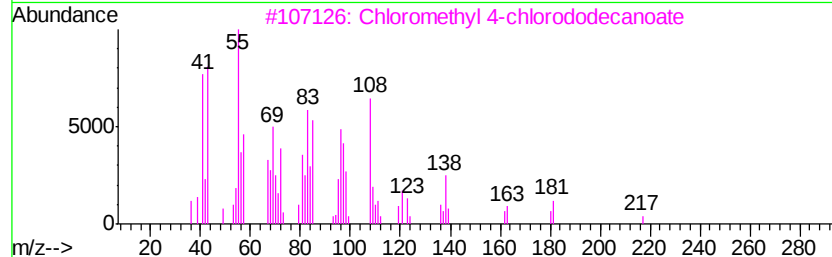
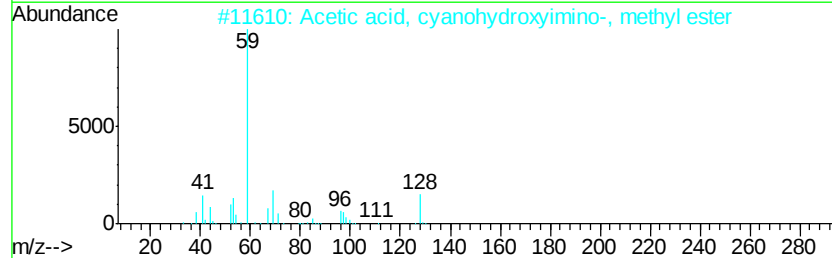
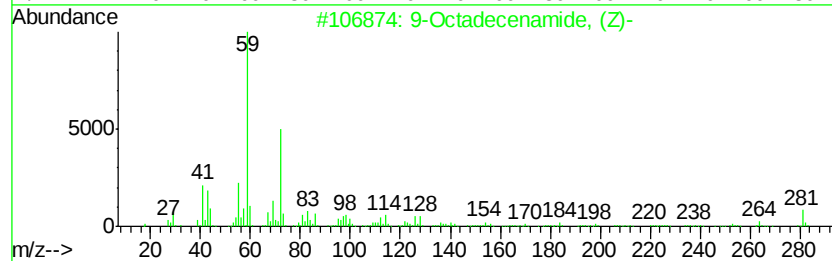
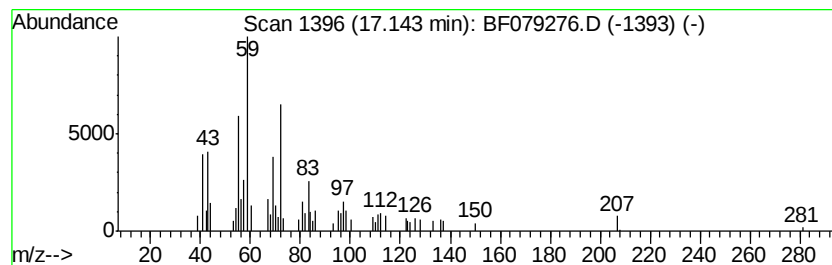
TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 9-Octadecenamide, (Z)- Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 17.14 | 3.46 ng | 101104 | Perylene-d12     | 17.85 |

| Hit# of | 5 | Tentative ID                         | MW  | MolForm     | CAS#         | Qual |
|---------|---|--------------------------------------|-----|-------------|--------------|------|
| 1       |   | 9-Octadecenamide, (Z)-               | 281 | C18H35NO    | 000301-02-0  | 64   |
| 2       |   | Acetic acid, cyanohydroxyimino-, ... | 128 | C4H4N2O3    | 061295-92-9  | 35   |
| 3       |   | Chloromethyl 4-chlorododecanoate     | 282 | C13H24Cl2O2 | 080419-00-7  | 22   |
| 4       |   | Z-8-Methyl-9-tetradecenoic acid      | 240 | C15H28O2    | 1000130-84-5 | 18   |
| 5       |   | Cyclopentadecane                     | 210 | C15H30      | 000295-48-7  | 11   |



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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| Propane, 2,2-dime... | 1.32  | 145.4   | ng    | 2749470  | 1                     | 7.18  | 378112 | 20.0 |
| Butane, 2-methoxy... | 1.62  | 7.2     | ng    | 135922   | 1                     | 7.18  | 378112 | 20.0 |
| unknown6.89          | 6.89  | 28.6    | ng    | 540718   | 1                     | 7.18  | 378112 | 20.0 |
| 9-Octadecenamide,... | 17.14 | 3.5     | ng    | 101104   | 6                     | 17.85 | 583702 | 20.0 |