

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060519\  
 Data File : BM020750.D  
 Acq On : 05 Jun 2019 23:26  
 Operator : HP/JU  
 Sample : K3174-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 FK-BPM-03-008-ABCD

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:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM053119.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         | 3.058       | 8             | 12          | 23           | rVB      | 1825735        | 2163547       | 7.88%           | 1.238%        |
| 2         | 5.410       | 404           | 412         | 425          | rBV      | 12116961       | 17581095      | 64.00%          | 10.064%       |
| 3         | 6.993       | 672           | 681         | 695          | rBV      | 11017962       | 19408935      | 70.66%          | 11.110%       |
| 4         | 7.357       | 735           | 743         | 753          | rBV      | 11971937       | 19502929      | 71.00%          | 11.164%       |
| 5         | 7.822       | 815           | 822         | 828          | rBV      | 1244726        | 1943493       | 7.08%           | 1.113%        |
| 6         | 8.140       | 868           | 876         | 884          | rBV      | 7881981        | 12741559      | 46.38%          | 7.294%        |
| 7         | 8.987       | 1011          | 1020        | 1031         | rBV      | 6993998        | 11788471      | 42.91%          | 6.748%        |
| 8         | 10.610      | 1288          | 1296        | 1304         | rBV      | 1541488        | 2550222       | 9.28%           | 1.460%        |
| 9         | 13.080      | 1708          | 1716        | 1734         | rBV      | 15339875       | 22764231      | 82.87%          | 13.031%       |
| 10        | 13.916      | 1851          | 1858        | 1873         | rVB      | 1393508        | 2027280       | 7.38%           | 1.160%        |
| 11        | 14.457      | 1943          | 1950        | 1963         | rBV2     | 2078725        | 3188810       | 11.61%          | 1.825%        |
| 12        | 15.951      | 2196          | 2204        | 2224         | rBV      | 12488439       | 18389776      | 66.95%          | 10.527%       |
| 13        | 17.204      | 2408          | 2417        | 2429         | rBV      | 2359038        | 3445098       | 12.54%          | 1.972%        |
| 14        | 18.092      | 2561          | 2568        | 2578         | rBV      | 436823         | 667654        | 2.43%           | 0.382%        |
| 15        | 19.368      | 2781          | 2785        | 2794         | rBV      | 183300         | 275886        | 1.00%           | 0.158%        |
| 16        | 19.827      | 2857          | 2863        | 2868         | rBV      | 22621788       | 27469825      | 100.00%         | 15.725%       |
| 17        | 21.092      | 3073          | 3078        | 3087         | rBV      | 384592         | 593946        | 2.16%           | 0.340%        |
| 18        | 21.374      | 3121          | 3126        | 3136         | rBV      | 2848792        | 3627785       | 13.21%          | 2.077%        |
| 19        | 22.962      | 3393          | 3396        | 3401         | rVB      | 203633         | 276149        | 1.01%           | 0.158%        |
| 20        | 23.544      | 3492          | 3495        | 3501         | rVB2     | 198562         | 321501        | 1.17%           | 0.184%        |
| 21        | 23.662      | 3508          | 3515        | 3532         | rVB      | 2004751        | 3964303       | 14.43%          | 2.269%        |

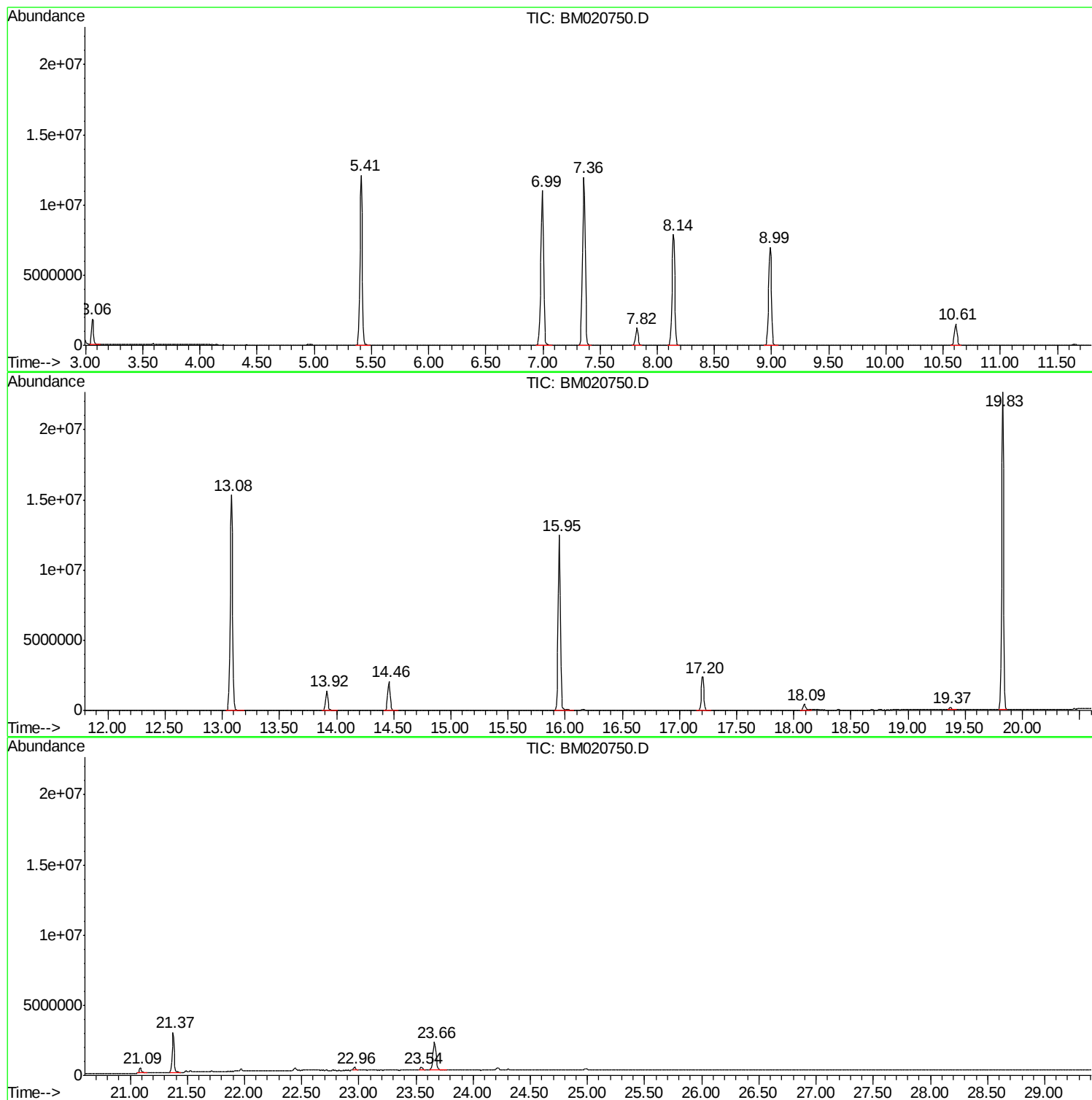
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM053119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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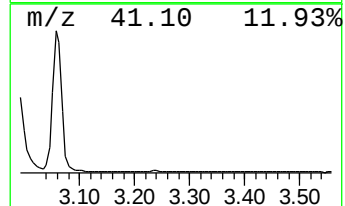
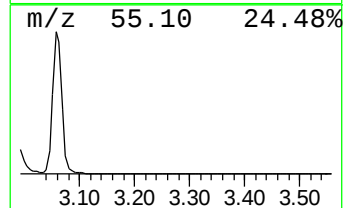
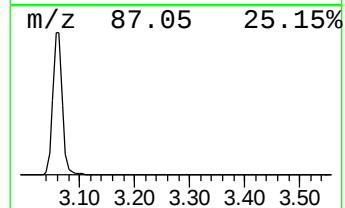
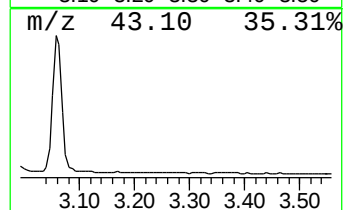
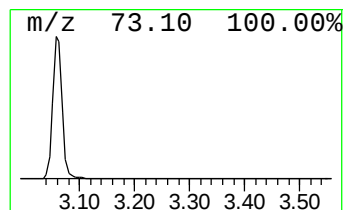
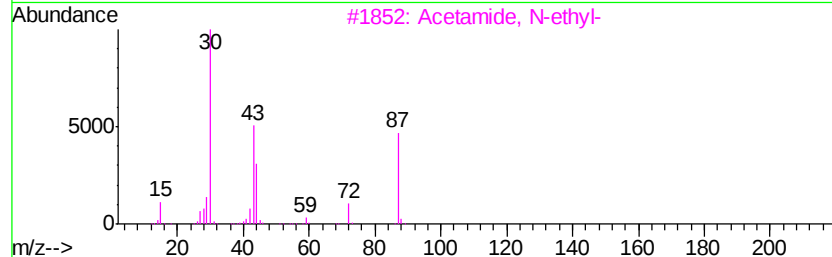
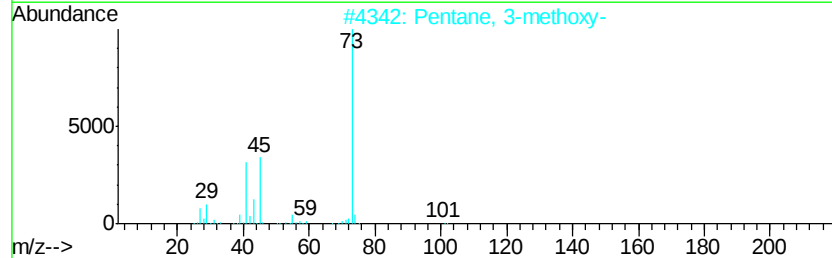
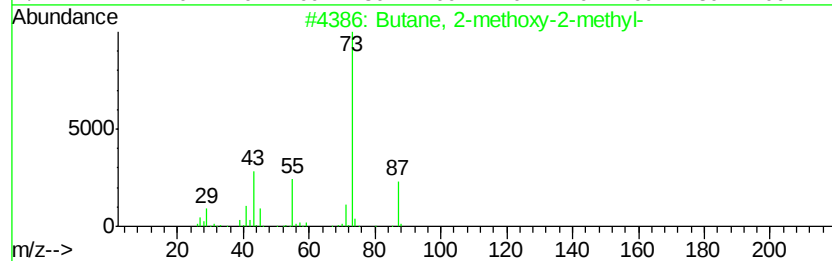
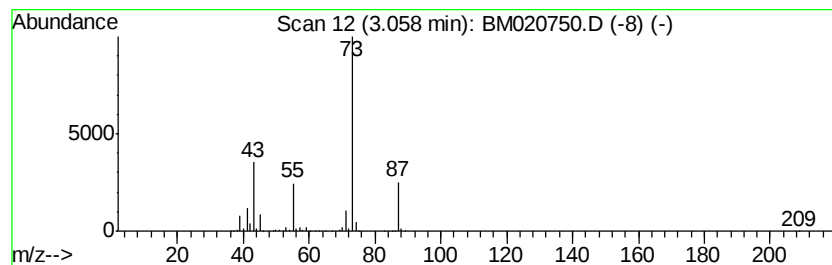
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 3.06 | 22.26 ng | 2163550 | 1,4-Dichlorobenzene-d4 | 7.82 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 3    |    | Acetamide, N-ethyl-         | 87  | C4H9NO  | 000625-50-3 | 22   |
| 4    |    | N-Ethylformamide            | 73  | C3H7NO  | 000627-45-2 | 9    |
| 5    |    | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 9    |



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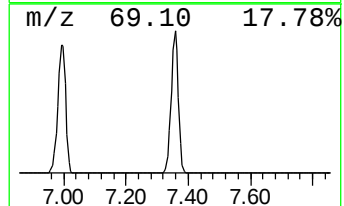
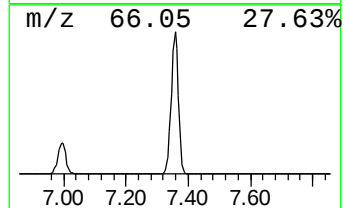
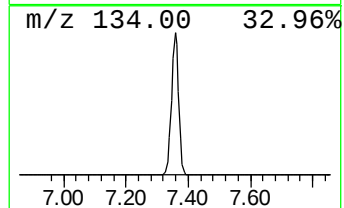
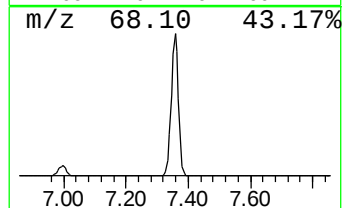
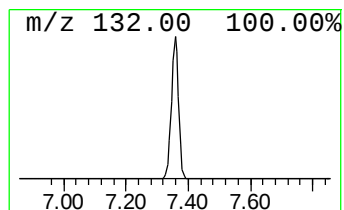
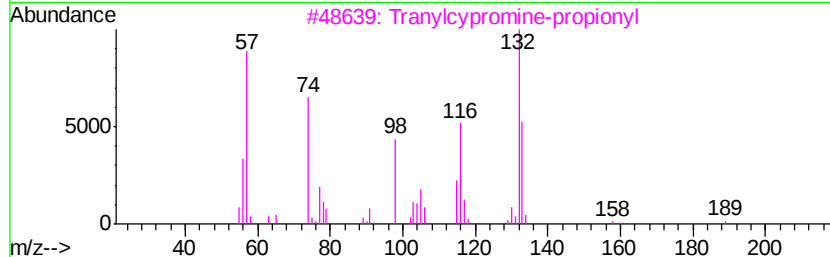
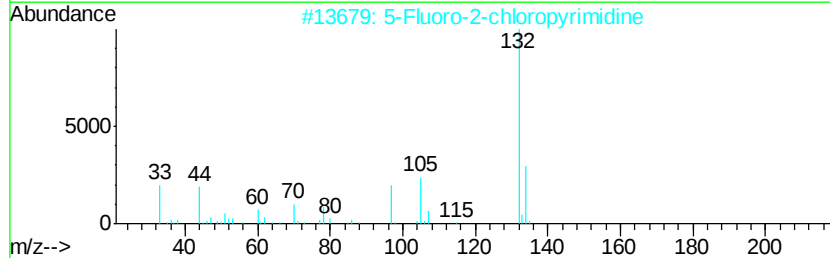
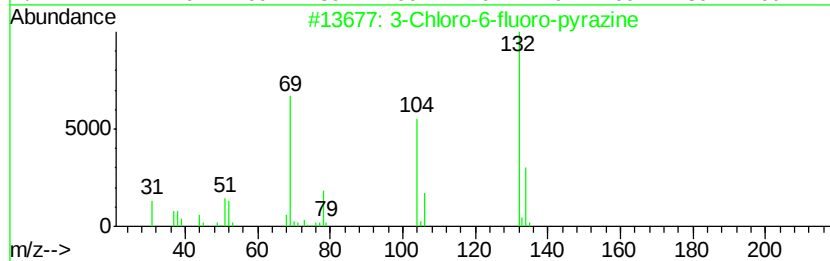
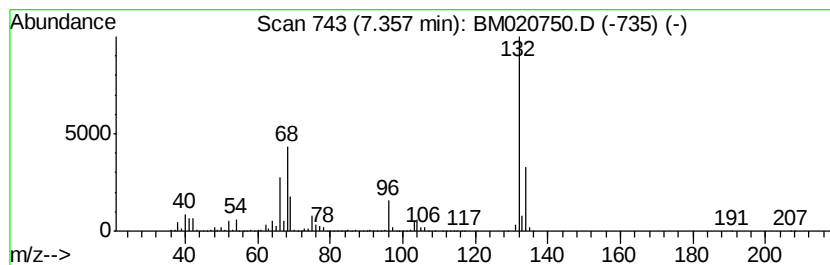
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown7.36 Concentration Rank 1

| R.T. | EstConc   | Area     | Relative to ISTD       | R.T. |
|------|-----------|----------|------------------------|------|
| 7.36 | 200.70 ng | 19502900 | 1,4-Dichlorobenzene-d4 | 7.82 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 12   |
| 3    |    | Tranvlcypropine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | Benzene, 1,3,5-trifluoro-        | 132 | C6H3F3    | 000372-38-3  | 9    |
| 5    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 9    |



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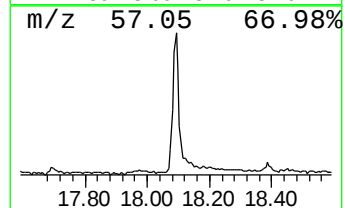
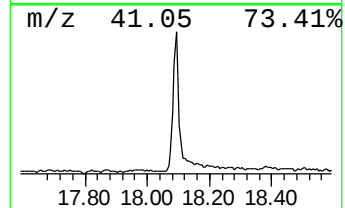
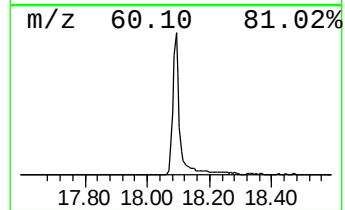
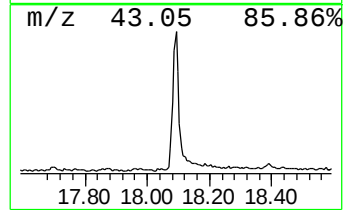
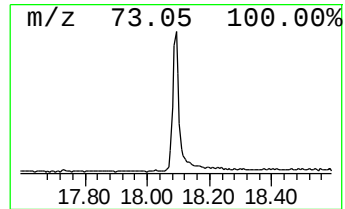
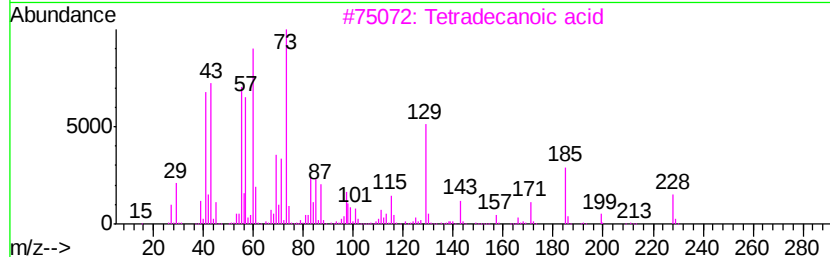
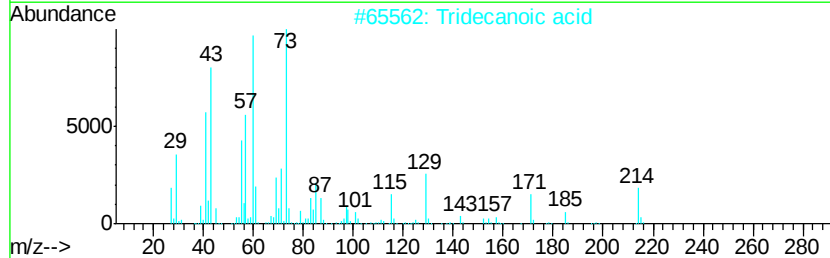
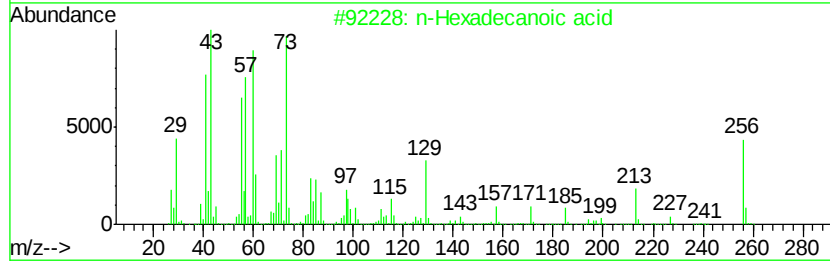
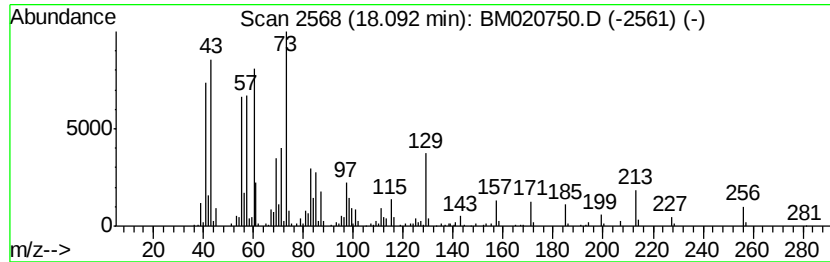
Instrument :  
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ClientSampleId :  
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TIC Library : C:\DATABASE\NIST02.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

| R.T.      | EstConc                           | Area   | Relative to ISTD | R.T.        |      |
|-----------|-----------------------------------|--------|------------------|-------------|------|
| 18.09     | 3.88 ng                           | 667654 | Phenanthrene-d10 | 17.20       |      |
| Hit# of 5 | Tentative ID                      | MW     | MolForm          | CAS#        | Qual |
| 1         | n-Hexadecanoic acid               | 256    | C16H32O2         | 000057-10-3 | 99   |
| 2         | Tridecanoic acid                  | 214    | C13H26O2         | 000638-53-9 | 91   |
| 3         | Tetradecanoic acid                | 228    | C14H28O2         | 000544-63-8 | 64   |
| 4         | n-Decanoic acid                   | 172    | C10H20O2         | 000334-48-5 | 53   |
| 5         | Estra-1,3,5(10)-trien-17.beta.-ol | 256    | C18H24O          | 002529-64-8 | 38   |



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Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM053119.M  
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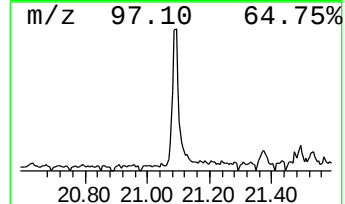
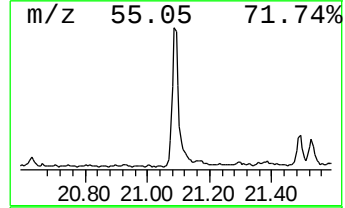
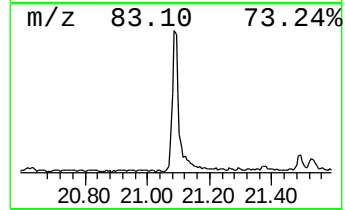
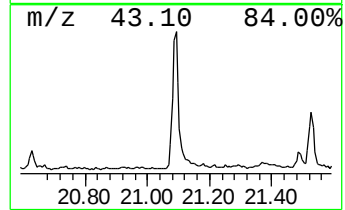
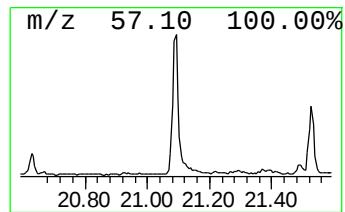
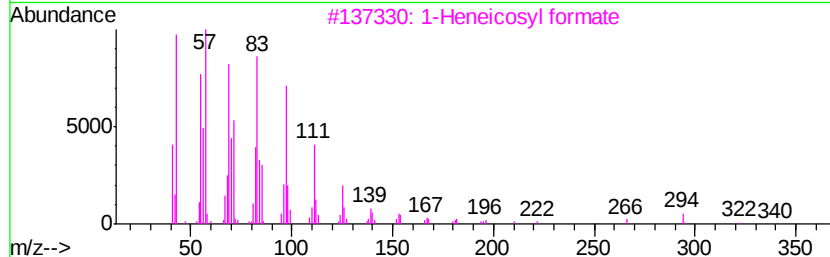
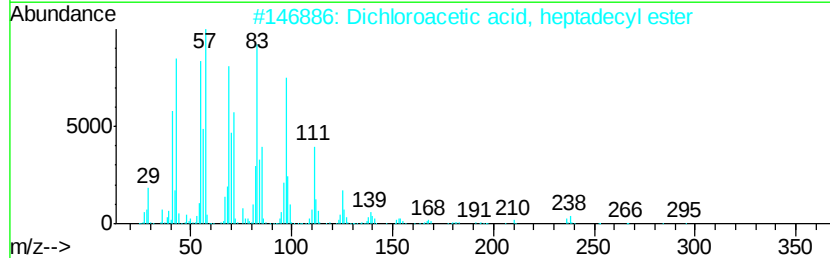
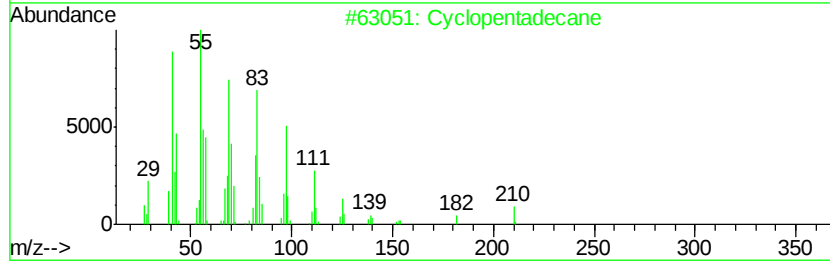
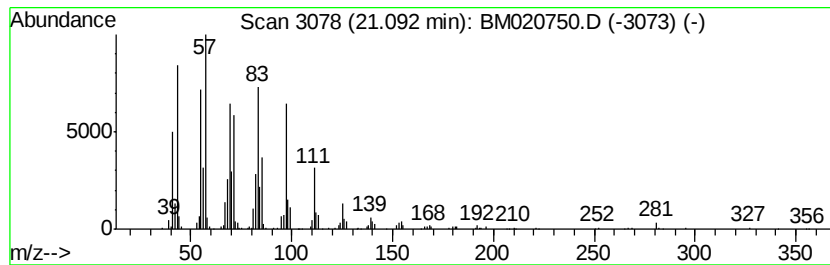
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Cyclopentadecane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 21.09 | 3.27 ng | 593946 | Chrysene-d12     | 21.37 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|---------|---|-------------------------------------|-----|-------------|--------------|------|
| 1       |   | Cyclopentadecane                    | 210 | C15H30      | 000295-48-7  | 93   |
| 2       |   | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 90   |
| 3       |   | 1-Heneicosyl formate                | 340 | C22H44O2    | 077899-03-7  | 87   |
| 4       |   | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1  | 83   |
| 5       |   | 1-Octadecanol                       | 270 | C18H38O     | 000112-92-5  | 81   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 3.06  | 22.3    | ng    | 2163550  | 1                     | 7.82  | 1943490 | 20.0 |
| unknown7.36          | 7.36  | 200.7   | ng    | 19502900 | 1                     | 7.82  | 1943490 | 20.0 |
| n-Hexadecanoic acid  | 18.09 | 3.9     | ng    | 667654   | 4                     | 17.20 | 3445100 | 20.0 |
| Cyclopentadecane     | 21.09 | 3.3     | ng    | 593946   | 5                     | 21.37 | 3627790 | 20.0 |