

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF121719\  
 Data File : BF118246.D  
 Acq On : 18 Dec 2019 00:32  
 Operator : JU  
 Sample : K6117-04 2X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TR-05-121319

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120619.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         | 5.469       | 572           | 575         | 594          | rBV      | 959692         | 1021858       | 1.46%           | 0.841%        |
| 2         | 6.487       | 745           | 748         | 768          | rBV      | 977956         | 1118062       | 1.59%           | 0.920%        |
| 3         | 6.628       | 768           | 772         | 779          | rBV      | 1442254        | 1182956       | 1.69%           | 0.974%        |
| 4         | 7.016       | 834           | 838         | 846          | rBV      | 1140980        | 925613        | 1.32%           | 0.762%        |
| 5         | 8.145       | 1027          | 1030        | 1037         | rVB      | 960946         | 807587        | 1.15%           | 0.665%        |
| 6         | 9.222       | 1210          | 1213        | 1218         | rBV      | 1449188        | 1220524       | 1.74%           | 1.005%        |
| 7         | 9.910       | 1326          | 1330        | 1333         | rBV      | 1077254        | 852657        | 1.22%           | 0.702%        |
| 8         | 10.916      | 1496          | 1501        | 1504         | rBV      | 2048141        | 1562952       | 2.23%           | 1.286%        |
| 9         | 11.404      | 1580          | 1584        | 1586         | rBV      | 893345         | 798913        | 1.14%           | 0.658%        |
| 10        | 11.716      | 1634          | 1637        | 1640         | rVB      | 2604097        | 2079064       | 2.97%           | 1.711%        |
| 11        | 11.810      | 1646          | 1653        | 1656         | rVB      | 13411704       | 19455100      | 27.75%          | 16.012%       |
| 12        | 12.551      | 1760          | 1779        | 1782         | rBV3     | 18320014       | 70106635      | 100.00%         | 57.700%       |
| 13        | 12.575      | 1782          | 1783        | 1785         | rVV      | 1283208        | 868514        | 1.24%           | 0.715%        |
| 14        | 12.610      | 1785          | 1789        | 1791         | rVV      | 11602606       | 11632500      | 16.59%          | 9.574%        |
| 15        | 12.633      | 1791          | 1793        | 1794         | rVV2     | 1184604        | 1012217       | 1.44%           | 0.833%        |
| 16        | 12.651      | 1794          | 1796        | 1806         | rVV      | 1458025        | 1890972       | 2.70%           | 1.556%        |
| 17        | 12.863      | 1828          | 1832        | 1839         | rVB      | 816445         | 1097710       | 1.57%           | 0.903%        |
| 18        | 12.998      | 1852          | 1855        | 1858         | rVB      | 1291610        | 1057990       | 1.51%           | 0.871%        |
| 19        | 13.239      | 1890          | 1896        | 1902         | rVB2     | 1295359        | 1571637       | 2.24%           | 1.294%        |
| 20        | 14.057      | 2030          | 2035        | 2038         | rVV2     | 942498         | 1238964       | 1.77%           | 1.020%        |

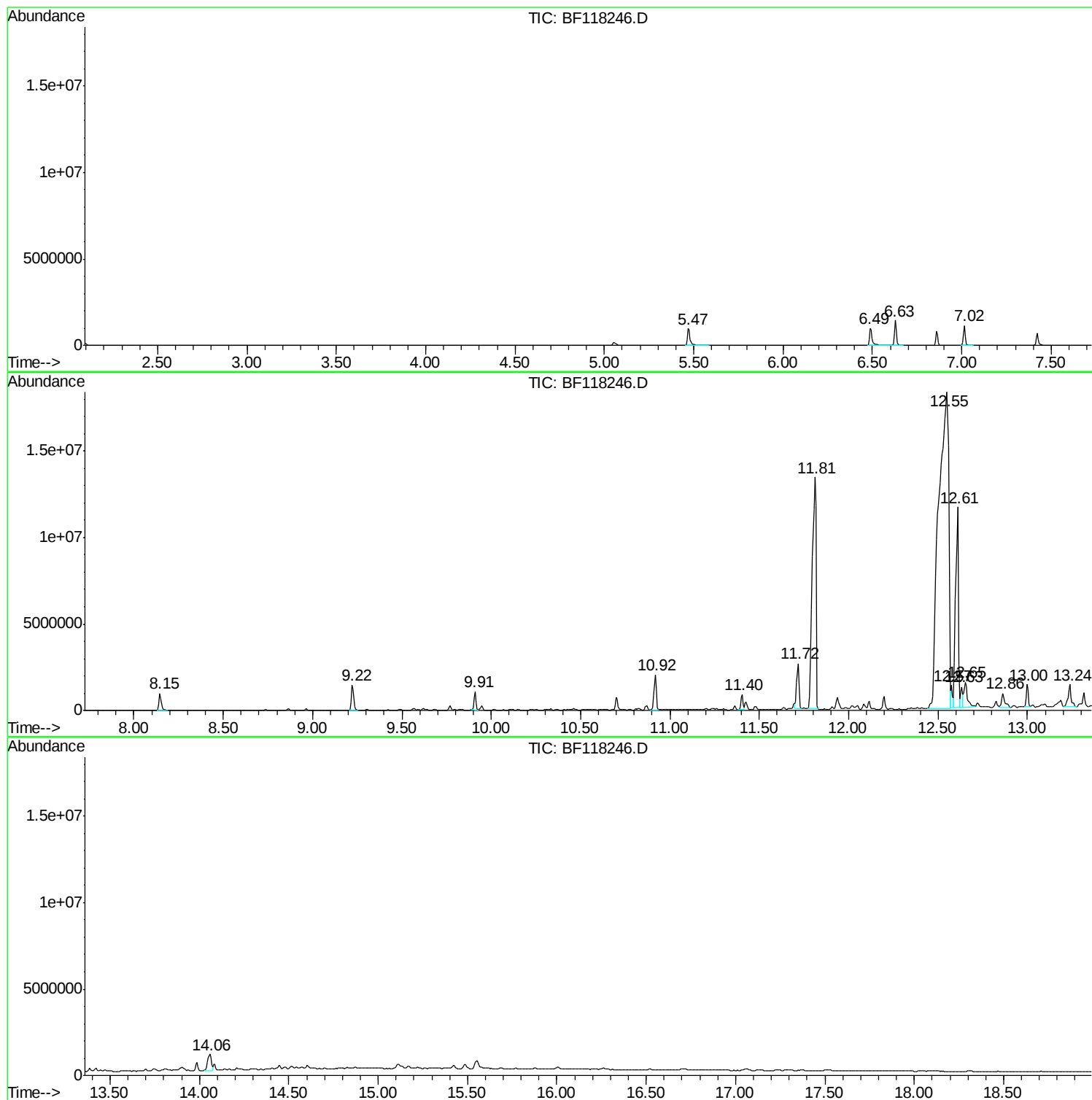
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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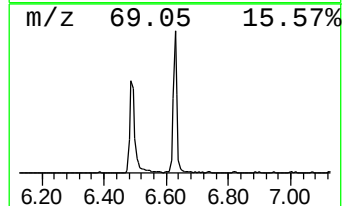
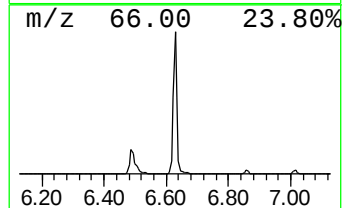
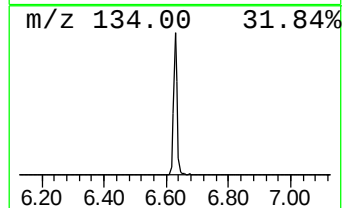
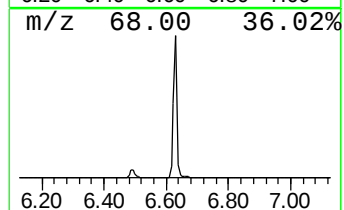
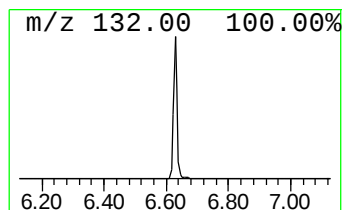
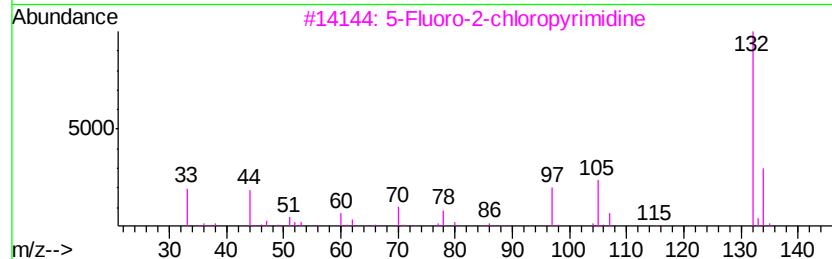
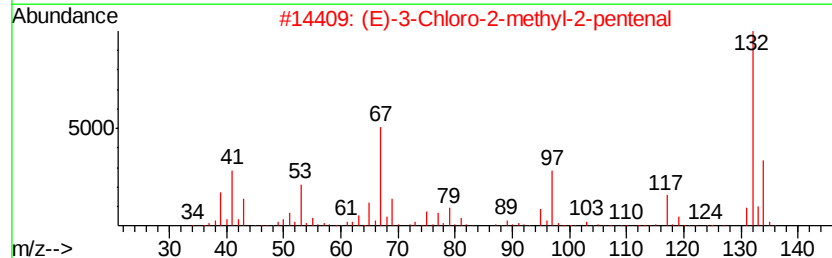
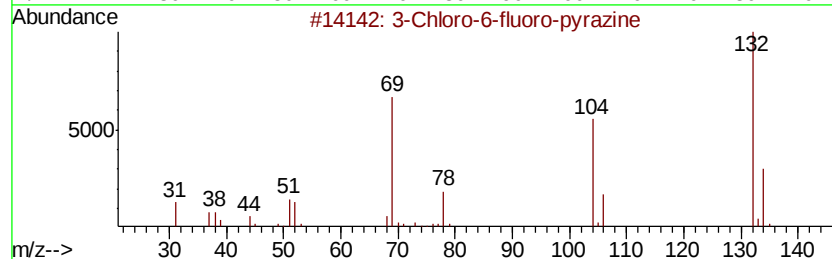
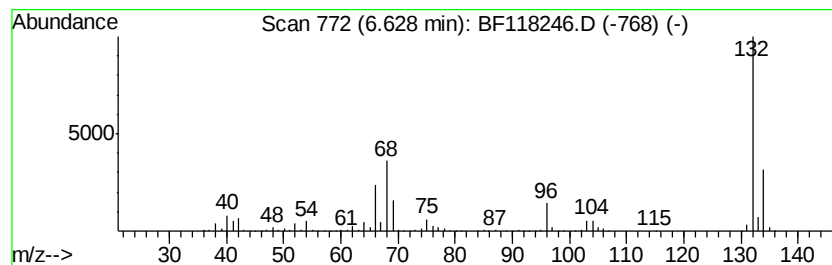
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown6.63 Concentration Rank 5

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.63 | 25.56 ng | 1182960 | 1,4-Dichlorobenzene-d4 | 6.86 |

| 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    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 17   |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

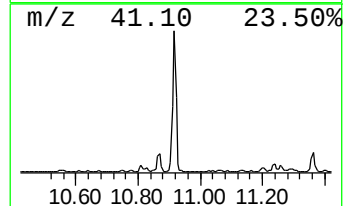
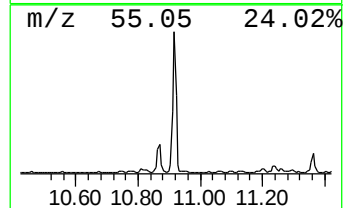
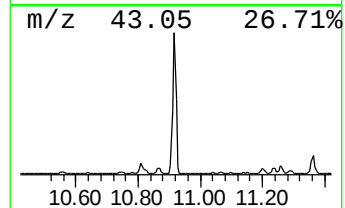
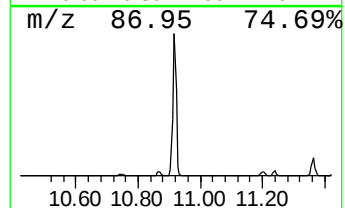
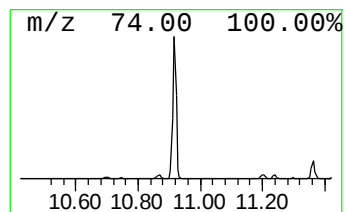
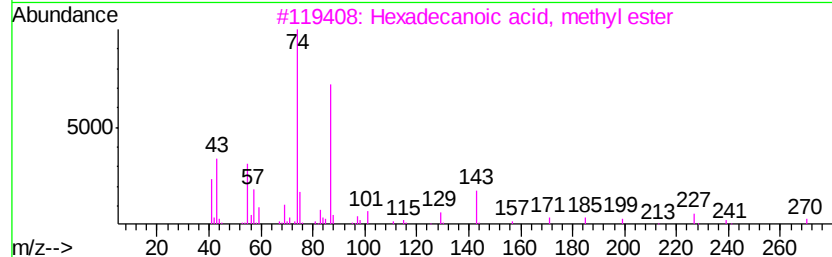
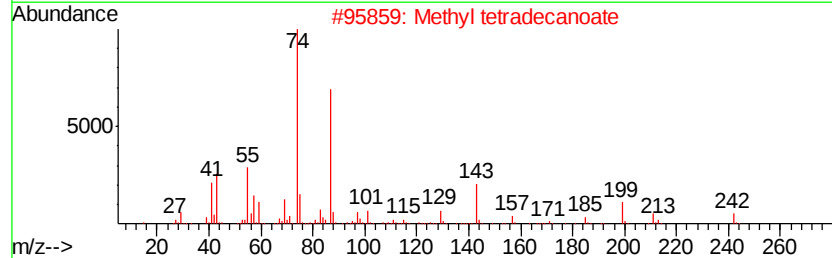
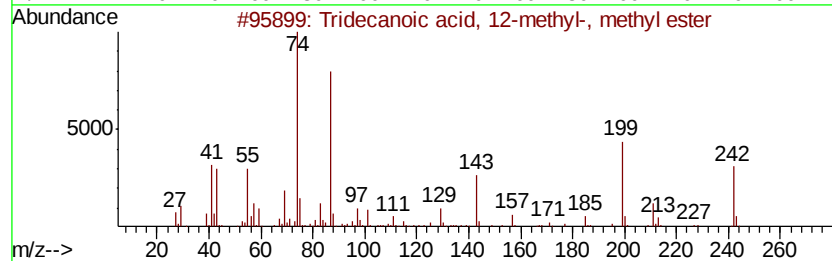
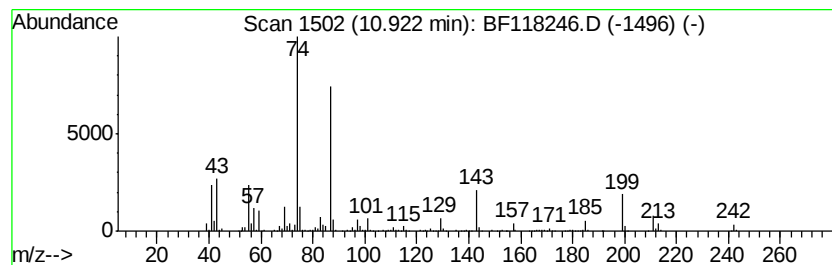
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Tridecanoic acid, 12-methyl... Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 10.92 | 39.13 ng | 1562950 | Phenanthrene-d10 | 11.40 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | Tridecanoic acid, 12-methyl-, me... | 242 | C15H30O2 | 005129-58-8 | 94   |
| 2       |   | Methyl tetradecanoate               | 242 | C15H30O2 | 000124-10-7 | 91   |
| 3       |   | Hexadecanoic acid, methyl ester     | 270 | C17H34O2 | 000112-39-0 | 87   |
| 4       |   | Undecanoic acid, 10-methyl-, met... | 214 | C13H26O2 | 005129-56-6 | 86   |
| 5       |   | Dodecanoic acid, methyl ester       | 214 | C13H26O2 | 000111-82-0 | 86   |



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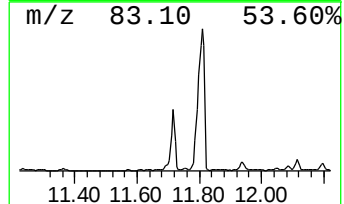
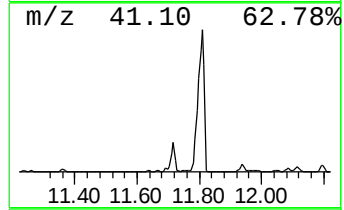
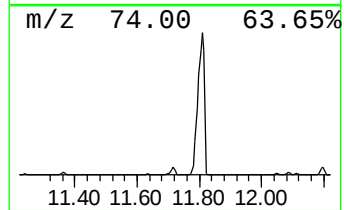
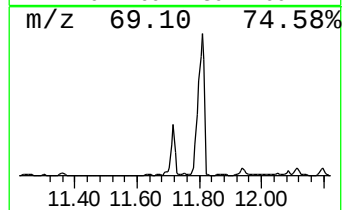
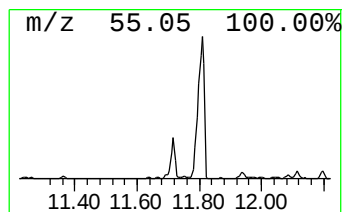
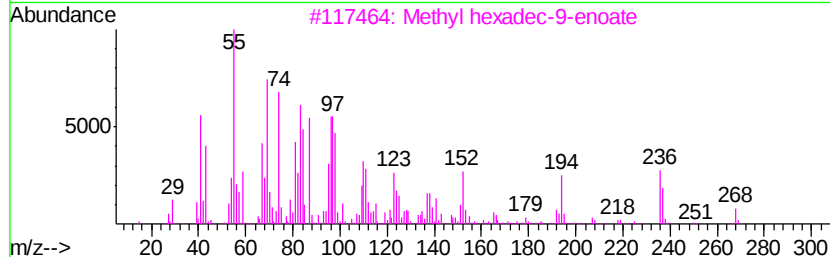
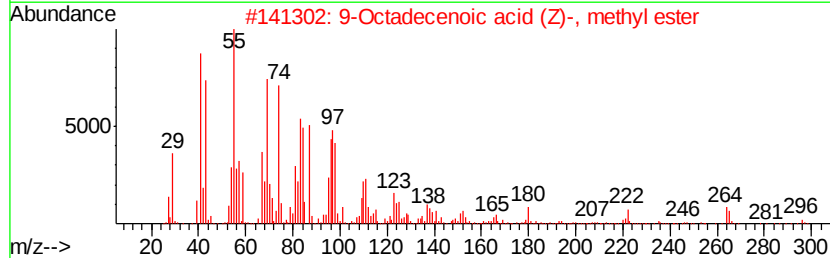
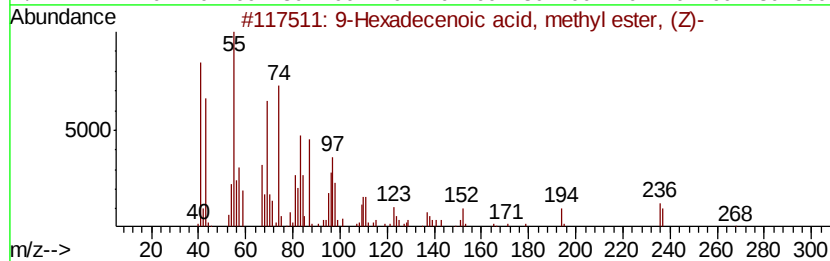
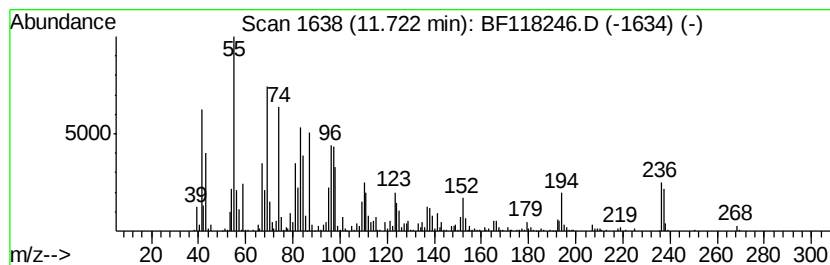
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 9-Hexadecenoic acid, methyl... Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.72 | 52.05 ng | 2079060 | Phenanthrene-d10 | 11.40 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | 9-Hexadecenoic acid, methyl este... | 268 | C17H32O2 | 001120-25-8 | 99   |
| 2       |   | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9 | 93   |
| 3       |   | Methyl hexadec-9-enoate             | 268 | C17H32O2 | 010030-74-7 | 91   |
| 4       |   | 11-Hexadecenoic acid, methyl ester  | 268 | C17H32O2 | 055000-42-5 | 91   |
| 5       |   | Methyl myristoleate                 | 240 | C15H28O2 | 056219-06-8 | 87   |



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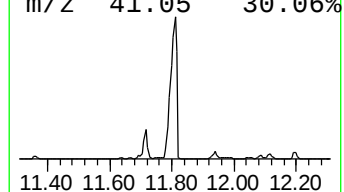
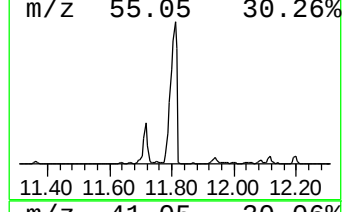
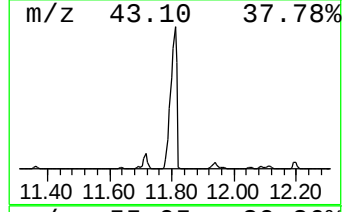
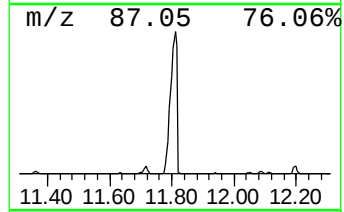
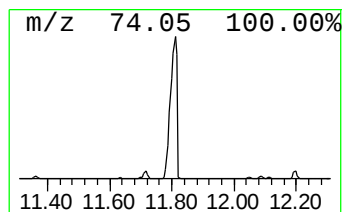
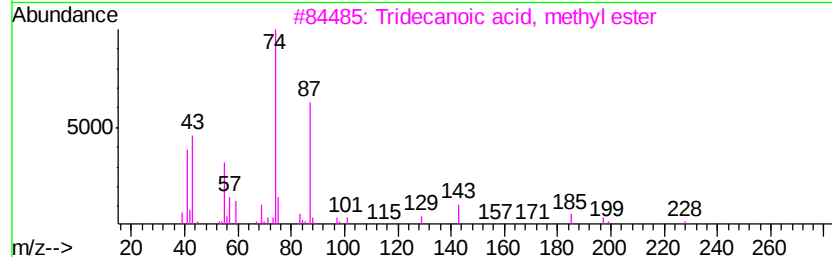
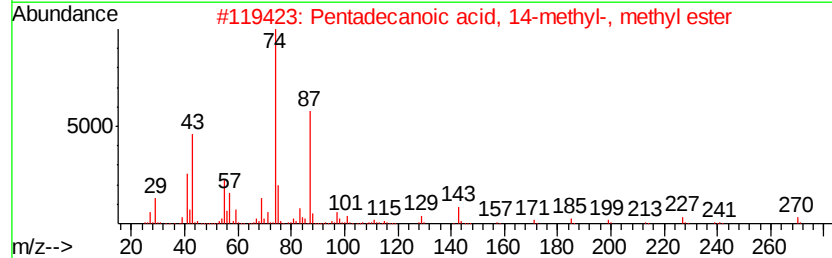
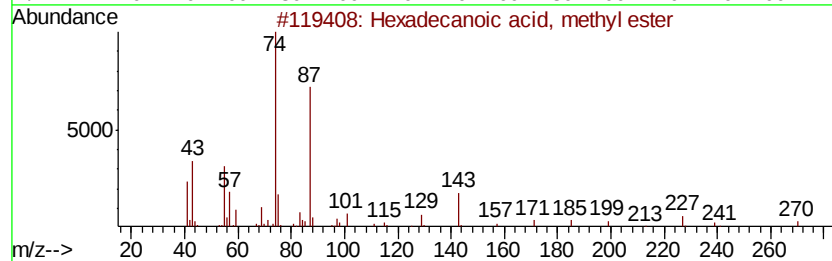
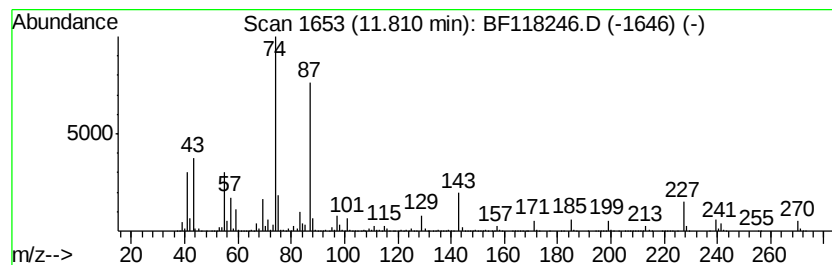
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Hexadecanoic acid, methyl e... Concentration Rank 2

| R.T.  | EstConc   | Area     | Relative to ISTD | R.T.  |
|-------|-----------|----------|------------------|-------|
| 11.81 | 487.04 ng | 19455100 | Phenanthrene-d10 | 11.40 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecanoic acid, methyl ester     | 270 | C17H34O2 | 000112-39-0 | 97   |
| 2    |    | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 95   |
| 3    |    | Tridecanoic acid, methyl ester      | 228 | C14H28O2 | 001731-88-0 | 95   |
| 4    |    | Methyl tetradecanoate               | 242 | C15H30O2 | 000124-10-7 | 87   |
| 5    |    | Methyl 9-methyltetradecanoate       | 256 | C16H32O2 | 213617-69-7 | 83   |



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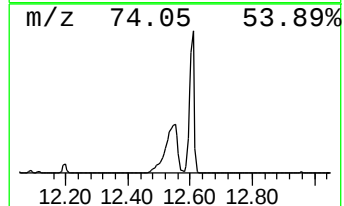
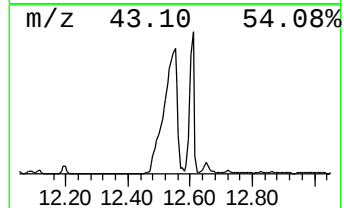
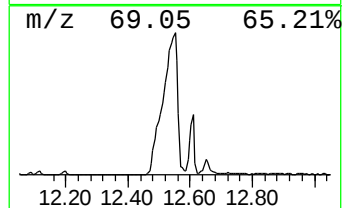
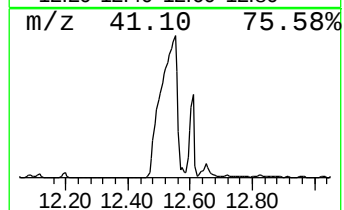
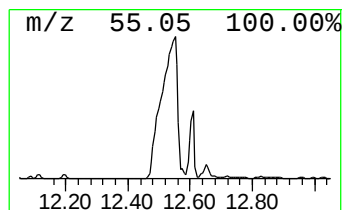
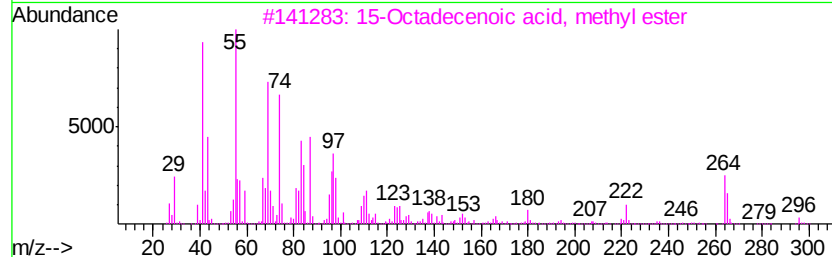
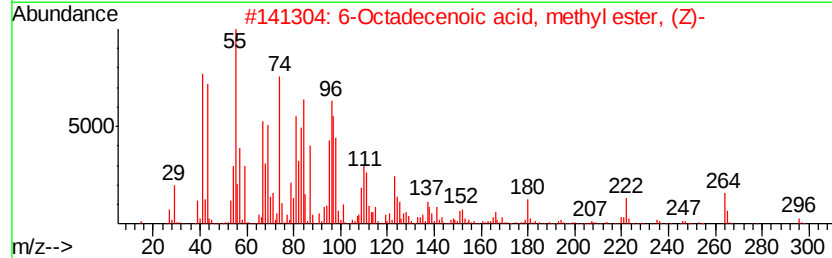
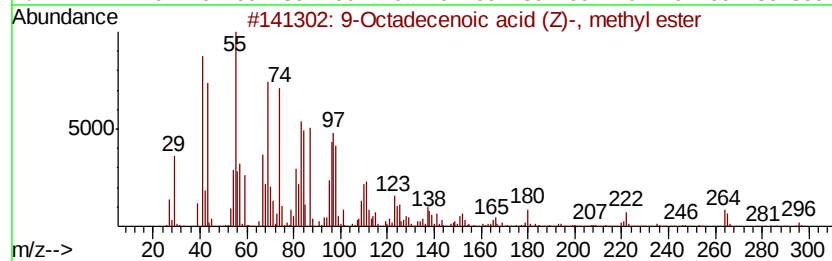
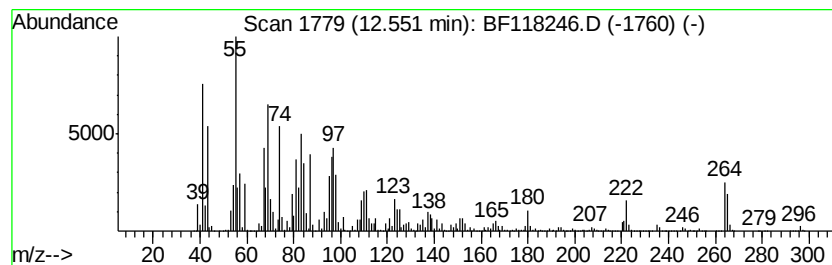
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

| R.T.  | EstConc    | Area     | Relative to ISTD | R.T.  |
|-------|------------|----------|------------------|-------|
| 12.55 | 1755.05 ng | 70106600 | Phenanthrene-d10 | 11.40 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9 | 99   |
| 2       |   | 6-Octadecenoic acid, methyl este... | 296 | C19H36O2 | 002777-58-4 | 98   |
| 3       |   | 15-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 004764-72-1 | 98   |
| 4       |   | 13-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 056554-47-3 | 98   |
| 5       |   | 16-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 056554-49-5 | 97   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121719\  
Data File : BF118246.D  
Acq On : 18 Dec 2019 00:32  
Operator : JU  
Sample : K6117-04 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-121319

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

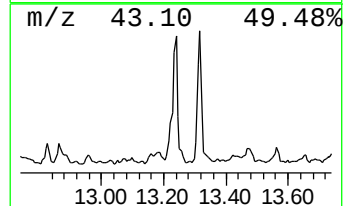
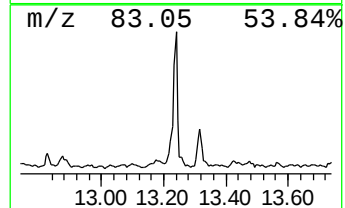
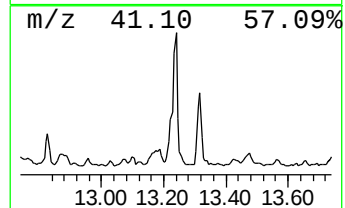
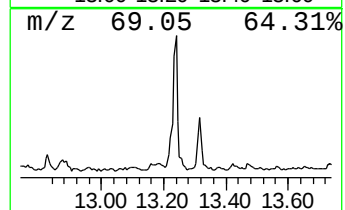
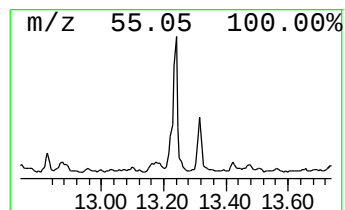
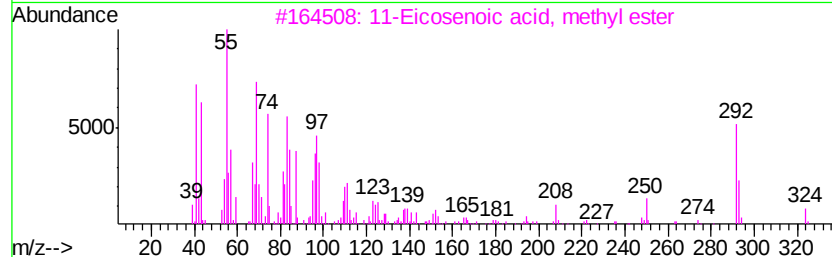
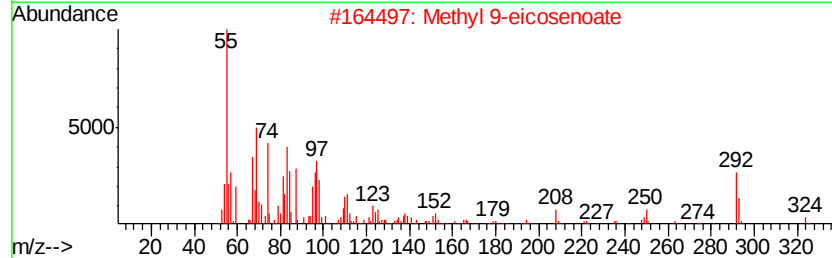
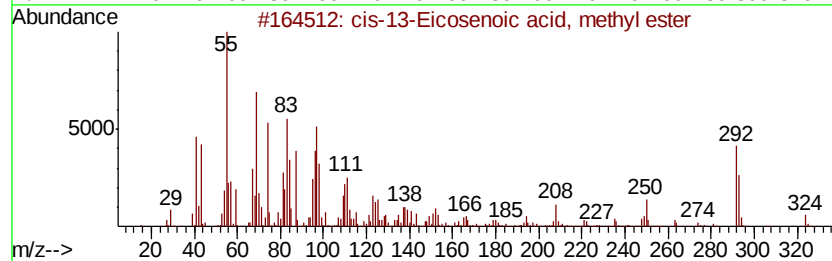
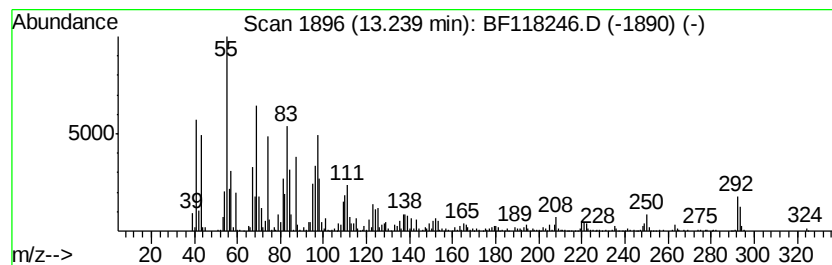
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 cis-13-Eicosenoic acid, met... Concentration Rank 6

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 13.24 | 25.37 ng | 1571640 | Chrysene-d12     | 14.06 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | cis-13-Eicosenoic acid, methyl e... | 324 | C21H40O2 | 1000333-52-1 | 99   |
| 2    |    | Methyl 9-eicosenoate                | 324 | C21H40O2 | 1000336-50-5 | 99   |
| 3    |    | 11-Eicosenoic acid, methyl ester    | 324 | C21H40O2 | 003946-08-5  | 98   |
| 4    |    | cis-11-Eicosenoic acid, methyl e... | 324 | C21H40O2 | 1000333-63-8 | 93   |
| 5    |    | 9-Octadecenoic acid, methyl este... | 296 | C19H36O2 | 001937-62-8  | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF121719\  
Data File : BF118246.D  
Acq On : 18 Dec 2019 00:32  
Operator : JU  
Sample : K6117-04 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TR-05-121319

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown6.63          | 6.63  | 25.6    | ng    | 1182960  | 1                     | 6.86  | 925613  | 20.0 |
| Tridecanoic acid,... | 10.92 | 39.1    | ng    | 1562950  | 4                     | 11.40 | 798913  | 20.0 |
| 9-Hexadecenoic ac... | 11.72 | 52.0    | ng    | 2079060  | 4                     | 11.40 | 798913  | 20.0 |
| Hexadecanoic acid... | 11.81 | 487.0   | ng    | 19455100 | 4                     | 11.40 | 798913  | 20.0 |
| 9-Octadecenoic ac... | 12.55 | 1755.1  | ng    | 70106600 | 4                     | 11.40 | 798913  | 20.0 |
| cis-13-Eicosenoic... | 13.24 | 25.4    | ng    | 1571640  | 5                     | 14.06 | 1238960 | 20.0 |