

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062920\  
 Data File : BF120735.D  
 Acq On : 29 Jun 2020 18:49  
 Operator : JU/CG  
 Sample : L2806-01  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 AU-06-062620

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\_F\METHODS\8270-BF061020.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         | 5.481       | 573           | 577         | 592          | rBV      | 2837091        | 2904741       | 100.00%         | 20.638%       |
| 2         | 6.510       | 748           | 752         | 755          | rBV      | 1266603        | 1267723       | 43.64%          | 9.007%        |
| 3         | 6.798       | 797           | 801         | 804          | rVB      | 362436         | 287953        | 9.91%           | 2.046%        |
| 4         | 6.957       | 823           | 828         | 831          | rVB      | 1397829        | 1186117       | 40.83%          | 8.427%        |
| 5         | 7.363       | 892           | 897         | 900          | rBV      | 936247         | 866095        | 29.82%          | 6.153%        |
| 6         | 8.081       | 1015          | 1019        | 1022         | rBV      | 389343         | 352176        | 12.12%          | 2.502%        |
| 7         | 9.157       | 1197          | 1202        | 1205         | rBV      | 1959549        | 1733647       | 59.68%          | 12.317%       |
| 8         | 9.551       | 1264          | 1269        | 1272         | rBV      | 101221         | 88618         | 3.05%           | 0.630%        |
| 9         | 9.833       | 1313          | 1317        | 1320         | rBV      | 484893         | 408149        | 14.05%          | 2.900%        |
| 10        | 10.627      | 1448          | 1452        | 1456         | rBV      | 967846         | 846015        | 29.13%          | 6.011%        |
| 11        | 11.316      | 1566          | 1569        | 1573         | rBV      | 461043         | 426550        | 14.68%          | 3.031%        |
| 12        | 11.710      | 1632          | 1636        | 1639         | rBV      | 79572          | 63420         | 2.18%           | 0.451%        |
| 13        | 11.857      | 1658          | 1661        | 1664         | rBV      | 81204          | 75346         | 2.59%           | 0.535%        |
| 14        | 12.286      | 1731          | 1734        | 1738         | rBV      | 51271          | 49222         | 1.69%           | 0.350%        |
| 15        | 12.392      | 1749          | 1752        | 1754         | rBV      | 394199         | 359709        | 12.38%          | 2.556%        |
| 16        | 12.416      | 1754          | 1756        | 1763         | rVB2     | 413751         | 344785        | 11.87%          | 2.450%        |
| 17        | 12.504      | 1767          | 1771        | 1773         | rBV      | 72619          | 65856         | 2.27%           | 0.468%        |
| 18        | 12.545      | 1775          | 1778        | 1780         | rBV2     | 34506          | 36825         | 1.27%           | 0.262%        |
| 19        | 12.910      | 1835          | 1840        | 1843         | rBV      | 1841930        | 1692510       | 58.27%          | 12.025%       |
| 20        | 13.798      | 1988          | 1991        | 1996         | rBV      | 188416         | 190938        | 6.57%           | 1.357%        |
| 21        | 13.962      | 2015          | 2019        | 2022         | rBV      | 345067         | 340142        | 11.71%          | 2.417%        |
| 22        | 15.409      | 2260          | 2265        | 2271         | rBV      | 341578         | 488359        | 16.81%          | 3.470%        |

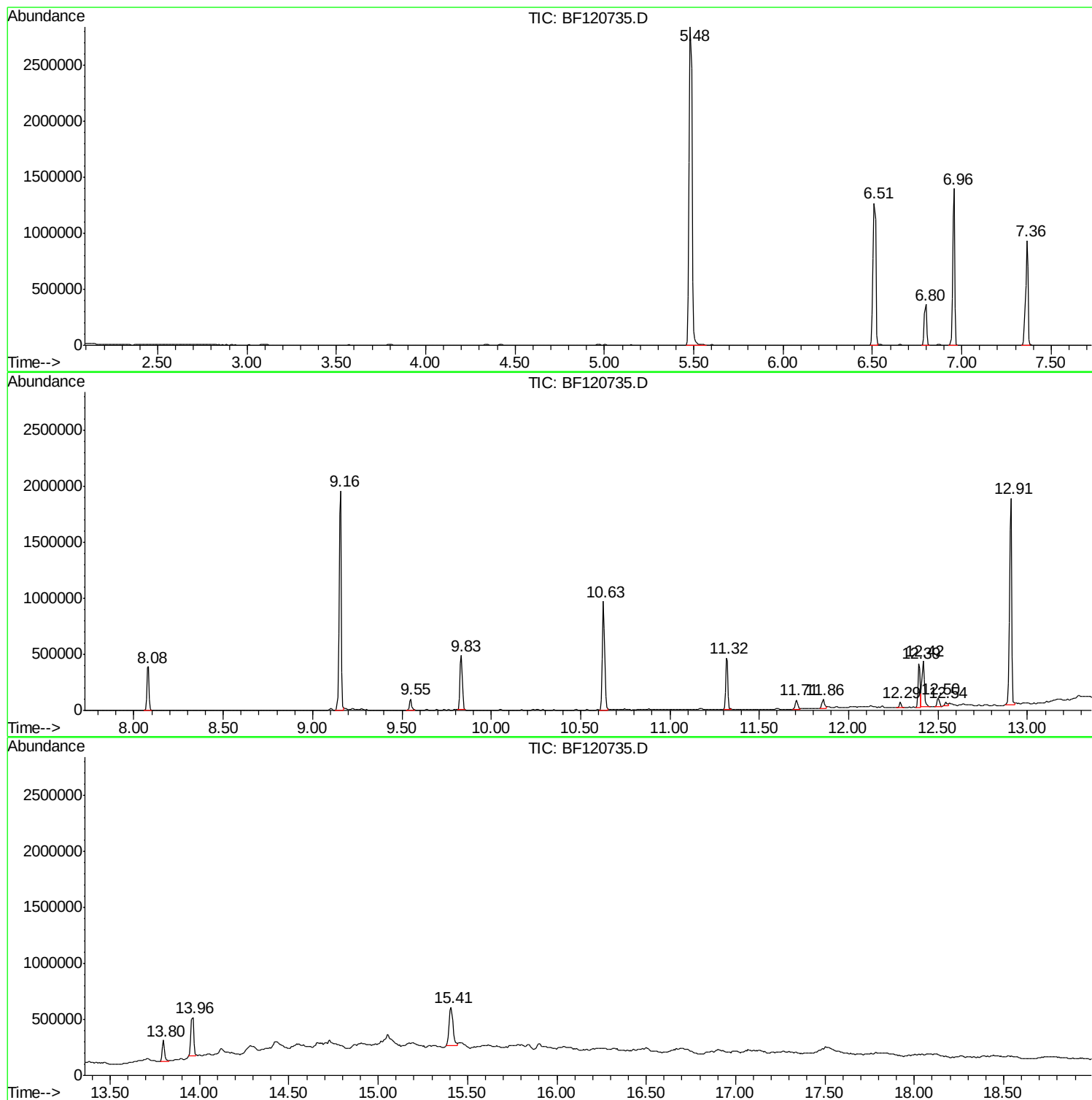
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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
AU-06-062620

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.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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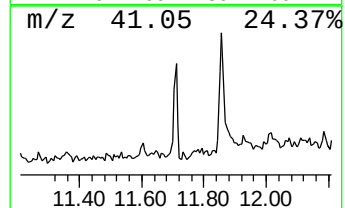
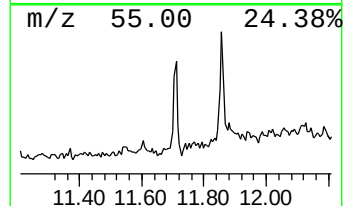
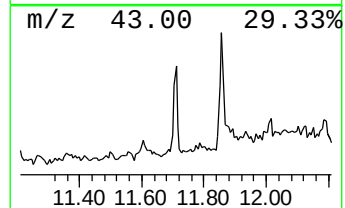
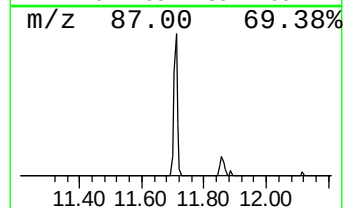
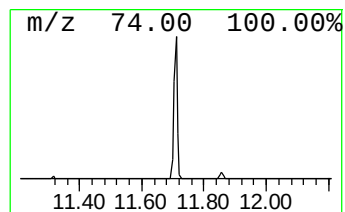
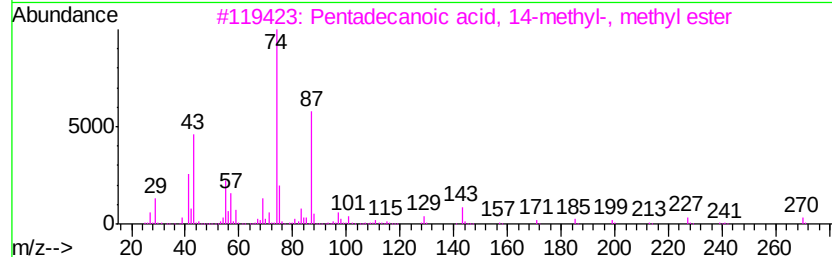
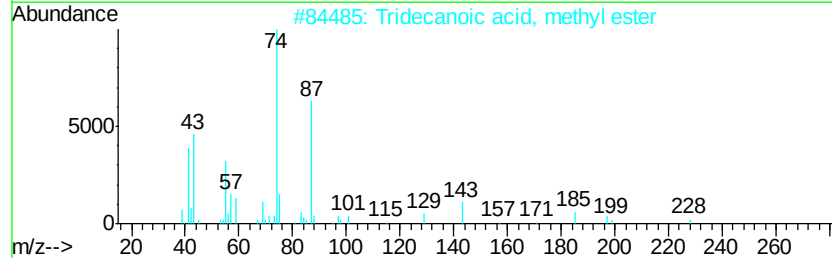
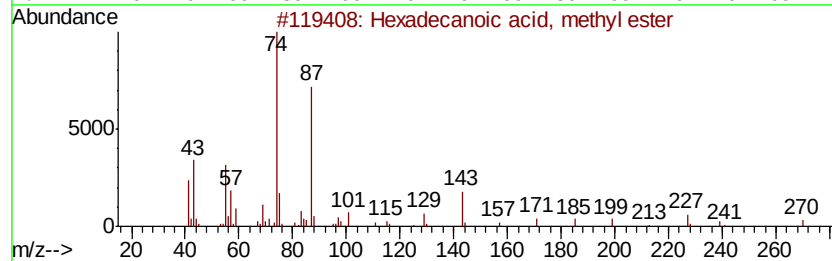
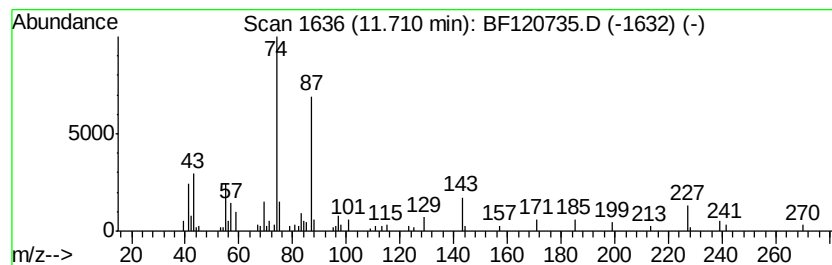
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Hexadecanoic acid, methyl e... Concentration Rank 7

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 11.71 | 2.97 ng | 63420 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecanoic acid, methyl ester     | 270 | C17H34O2 | 000112-39-0 | 98   |
| 2    |    | Tridecanoic acid, methyl ester      | 228 | C14H28O2 | 001731-88-0 | 94   |
| 3    |    | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 90   |
| 4    |    | Dodecanoic acid, 10-methyl-, met... | 228 | C14H28O2 | 005129-65-7 | 87   |
| 5    |    | Methyl tetradecanoate               | 242 | C15H30O2 | 000124-10-7 | 83   |



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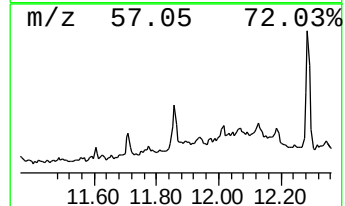
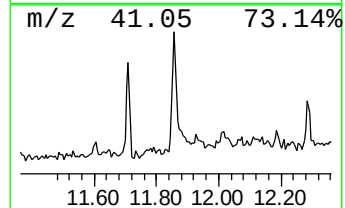
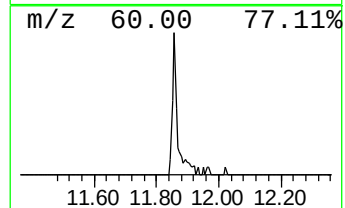
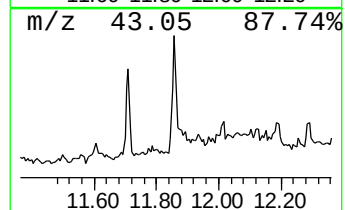
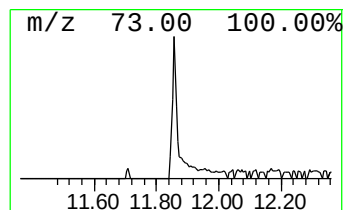
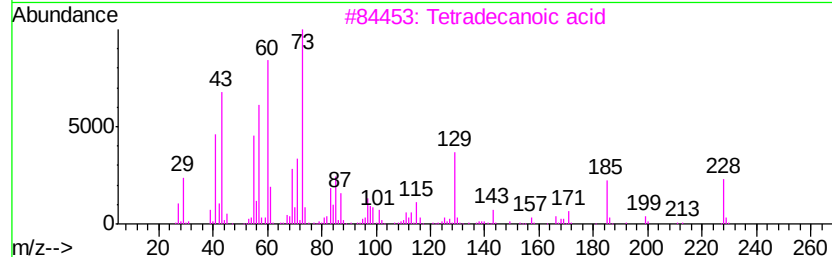
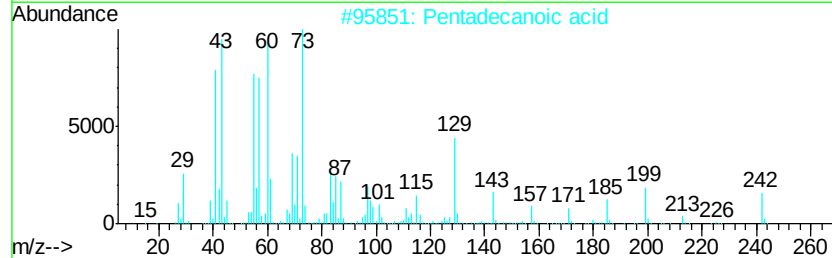
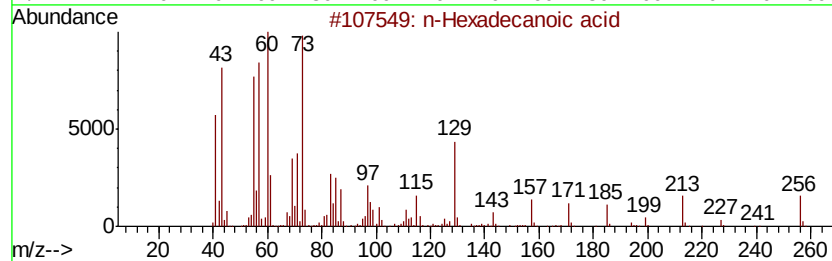
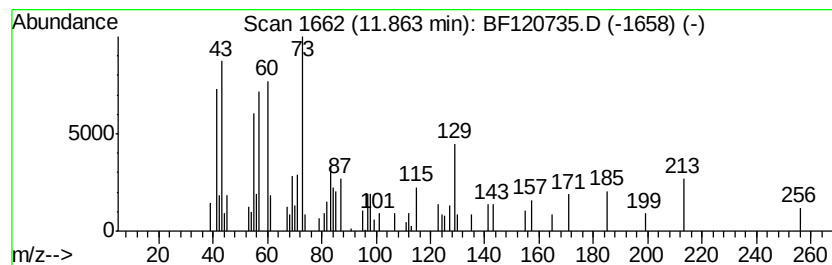
Instrument :  
BNA\_F  
ClientSampleId :  
AU-06-062620

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.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 3 n-Hexadecanoic acid Concentration Rank 5

| R.T.      | EstConc             | Area  | Relative to ISTD |             | R.T.  |
|-----------|---------------------|-------|------------------|-------------|-------|
| 11.86     | 3.53 ng             | 75346 | Phenanthrene-d10 |             | 11.32 |
| Hit# of 5 | Tentative ID        | MW    | MolForm          | CAS#        | Qual  |
| 1         | n-Hexadecanoic acid | 256   | C16H32O2         | 000057-10-3 | 99    |
| 2         | Pentadecanoic acid  | 242   | C15H30O2         | 001002-84-2 | 87    |
| 3         | Tetradecanoic acid  | 228   | C14H28O2         | 000544-63-8 | 72    |
| 4         | Dodecanoic acid     | 200   | C12H24O2         | 000143-07-7 | 59    |
| 5         | n-Decanoic acid     | 172   | C10H20O2         | 000334-48-5 | 50    |



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Sample : L2806-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

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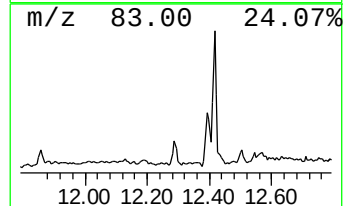
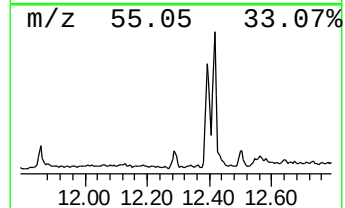
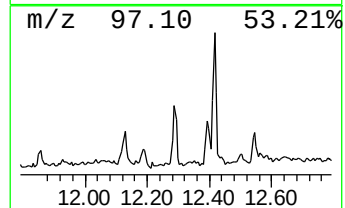
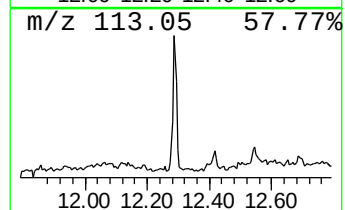
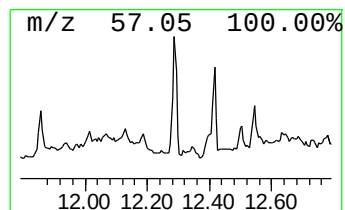
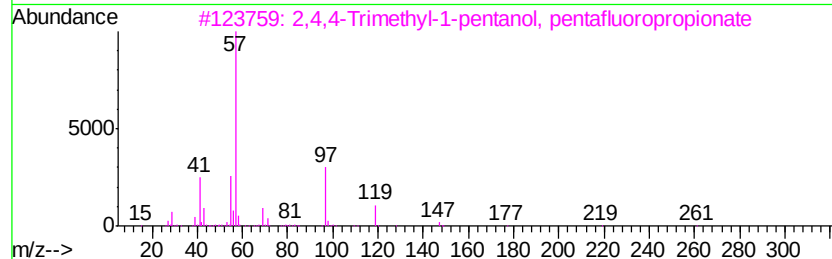
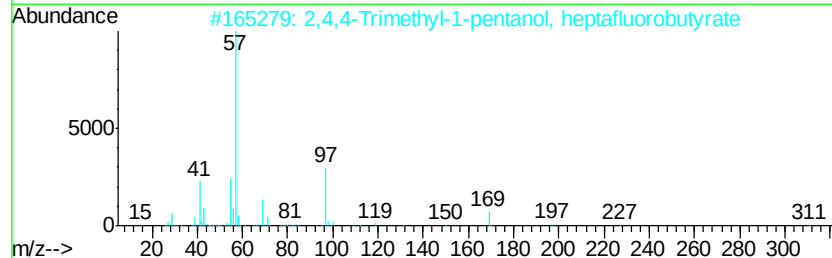
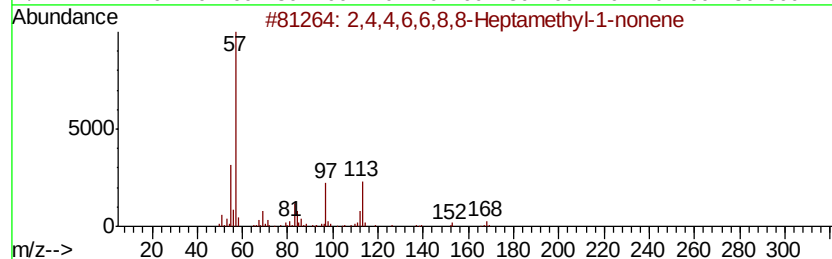
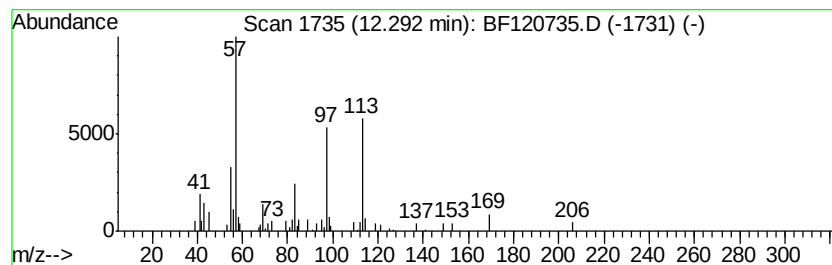
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 2,4,4,6,6,8,8-Heptamethyl-1... Concentration Rank 8

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 12.29 | 2.31 ng | 49222 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 2,4,4,6,6,8,8-Heptamethyl-1-nonene  | 224 | C16H32     | 015796-04-0  | 83   |
| 2    |    | 2,4,4-Trimethyl-1-pentanol, hept... | 326 | C12H17F702 | 1000365-01-4 | 35   |
| 3    |    | 2,4,4-Trimethyl-1-pentanol, pent... | 276 | C11H17F502 | 1000365-51-0 | 27   |
| 4    |    | 2,4,4-Trimethyl-1-pentanol, trif... | 226 | C10H17F302 | 1000365-19-5 | 25   |
| 5    |    | 5,11-Diethyl-8-methyl-7,9-dioxap... | 286 | C18H3802   | 1000334-83-1 | 25   |



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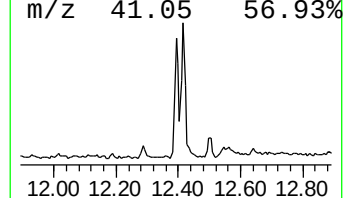
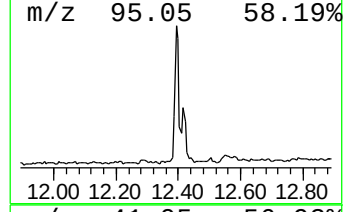
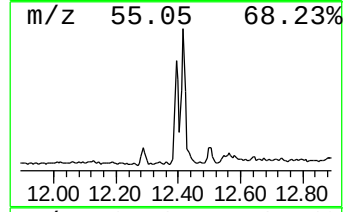
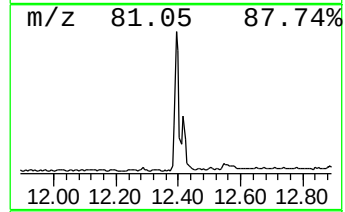
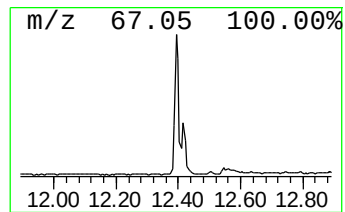
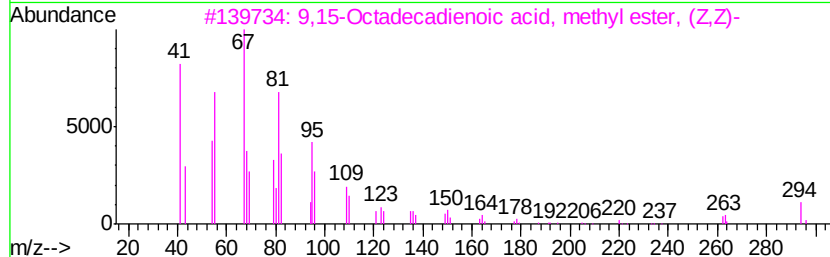
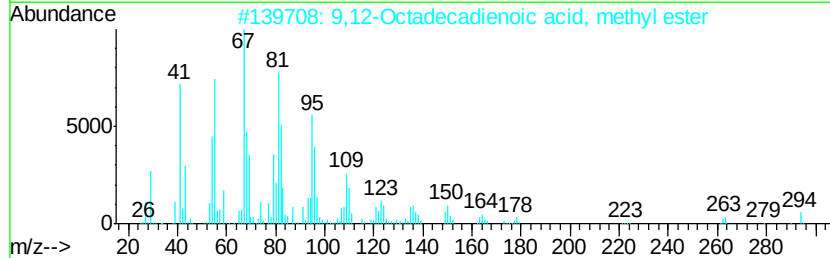
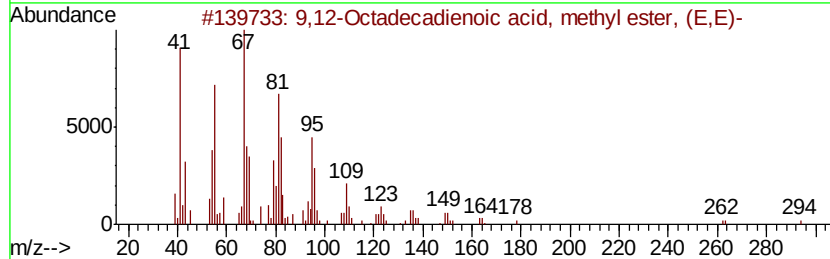
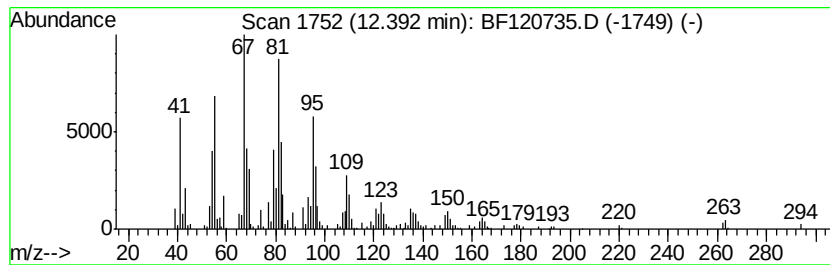
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\*\*\*\*\*  
Peak Number 5 9,12-Octadecadienoic acid, ... Concentration Rank 2

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 12.39     | 16.87 ng                            | 359709 | Phenanthrene-d10 | 11.32       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | 9,12-Octadecadienoic acid, methy... | 294    | C19H34O2         | 002566-97-4 | 99   |
| 2         | 9,12-Octadecadienoic acid, methy... | 294    | C19H34O2         | 002462-85-3 | 99   |
| 3         | 9,15-Octadecadienoic acid, methy... | 294    | C19H34O2         | 017309-05-6 | 99   |
| 4         | 9,12-Octadecadienoic acid (Z,Z)-... | 294    | C19H34O2         | 000112-63-0 | 98   |
| 5         | 9,12-Octadecadienoic acid (Z,Z)-    | 280    | C18H32O2         | 000060-33-3 | 95   |



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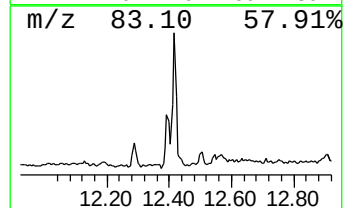
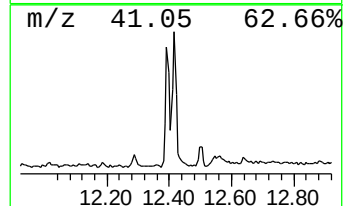
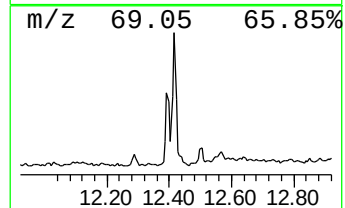
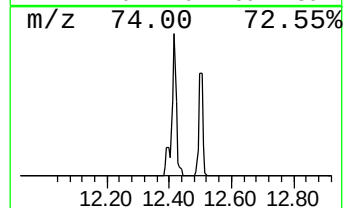
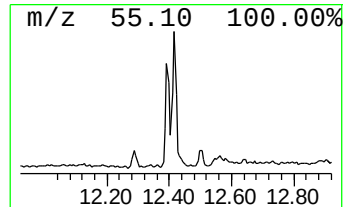
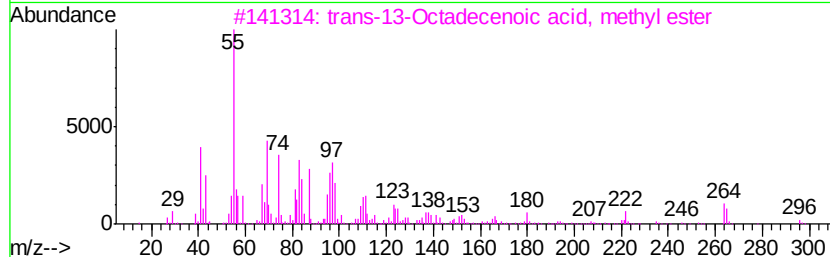
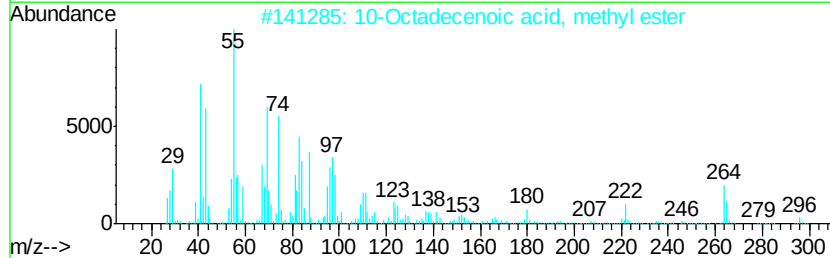
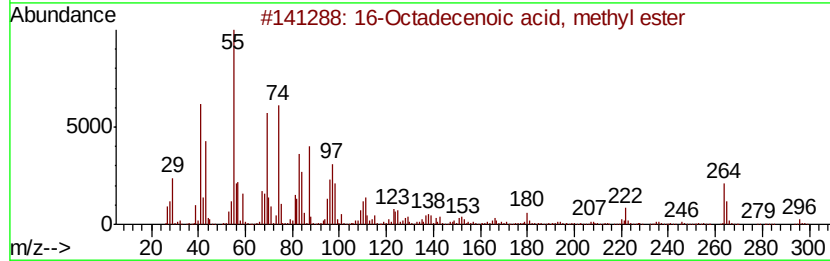
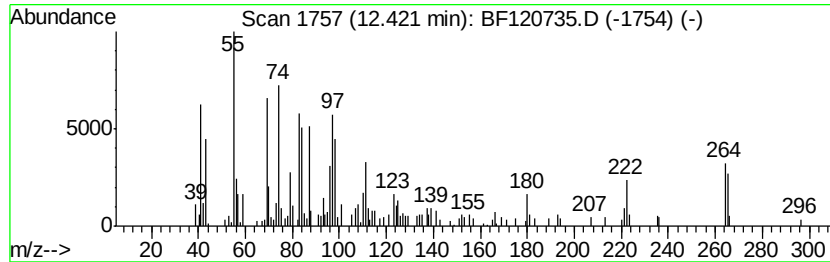
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\*\*\*\*\*  
Peak Number 6 16-Octadecenoic acid, methyl ester Concentration Rank 3

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 12.42     | 16.17 ng                            | 344785 | Phenanthrene-d10 | 11.32        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | 16-Octadecenoic acid, methyl ester  | 296    | C19H36O2         | 056554-49-5  | 91   |
| 2         | 10-Octadecenoic acid, methyl ester  | 296    | C19H36O2         | 013481-95-3  | 90   |
| 3         | trans-13-Octadecenoic acid, meth... | 296    | C19H36O2         | 1000333-61-3 | 86   |
| 4         | 14-Pentadecenoic acid               | 240    | C15H28O2         | 017351-34-7  | 76   |
| 5         | 6-Octadecenoic acid, methyl ester   | 296    | C19H36O2         | 052355-31-4  | 74   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062920\  
Data File : BF120735.D  
Acq On : 29 Jun 2020 18:49  
Operator : JU/CG  
Sample : L2806-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

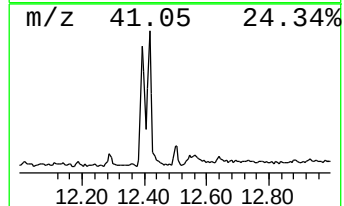
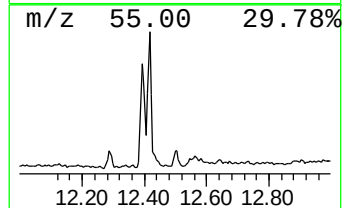
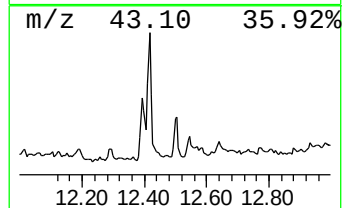
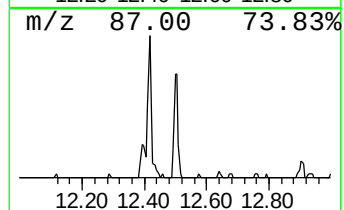
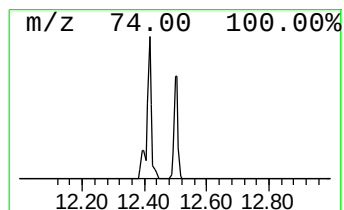
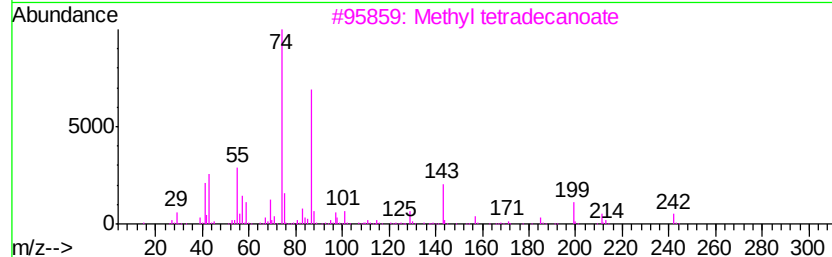
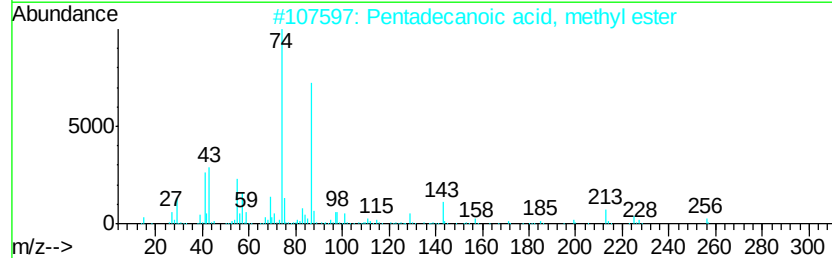
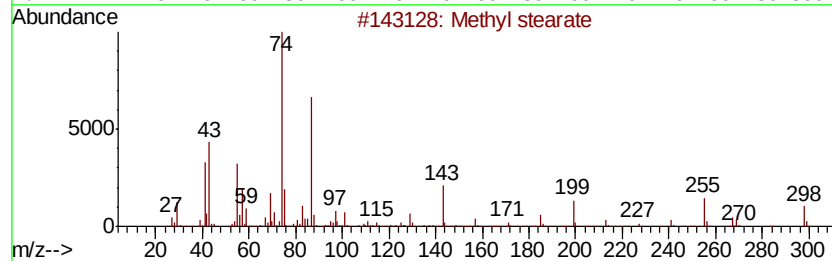
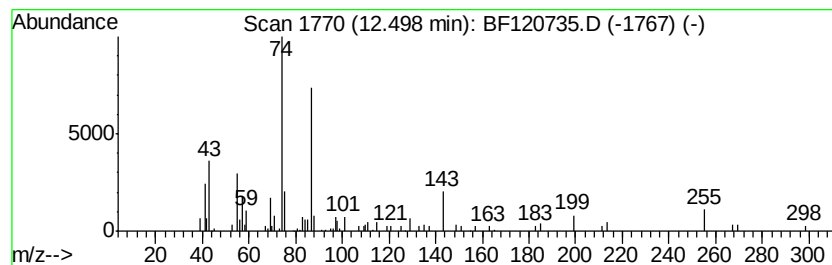
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ClientSampleId :  
AU-06-062620

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.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 7 Methyl stearate Concentration Rank 6

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.           |
|---------|---------|-------------------------------------|------------------|----------------|
| 12.50   | 3.09 ng | 65856                               | Phenanthrene-d10 | 11.32          |
| Hit# of | 5       | Tentative ID                        | MW MolForm       | CAS# Qual      |
| 1       |         | Methyl stearate                     | 298 C19H38O2     | 000112-61-8 98 |
| 2       |         | Pentadecanoic acid, methyl ester    | 256 C16H32O2     | 007132-64-1 90 |
| 3       |         | Methyl tetradecanoate               | 242 C15H30O2     | 000124-10-7 86 |
| 4       |         | Undecanoic acid, 10-methyl-, met... | 214 C13H26O2     | 005129-56-6 80 |
| 5       |         | Tridecanoic acid, 12-methyl-, me... | 242 C15H30O2     | 005129-58-8 80 |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062920\  
Data File : BF120735.D  
Acq On : 29 Jun 2020 18:49  
Operator : JU/CG  
Sample : L2806-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

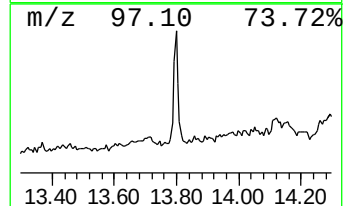
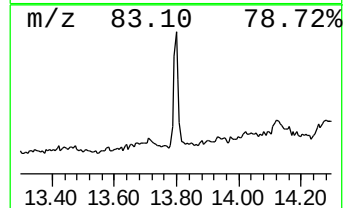
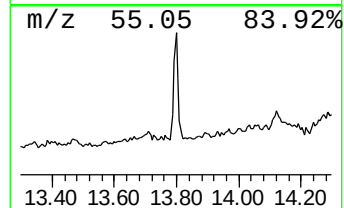
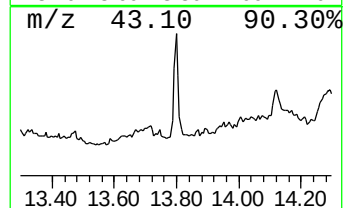
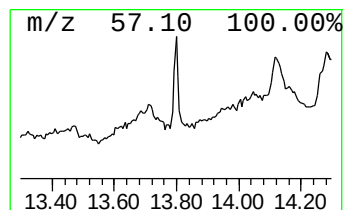
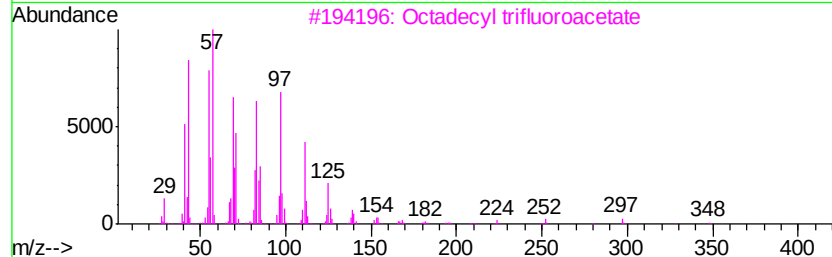
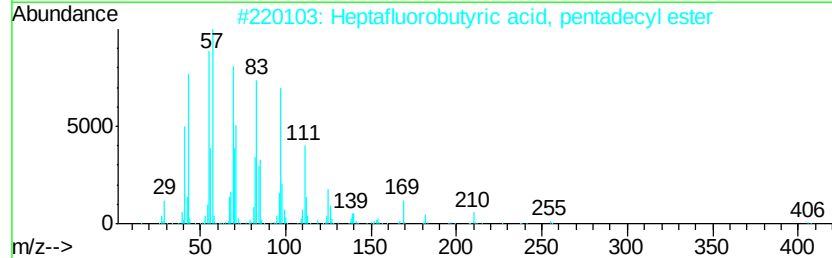
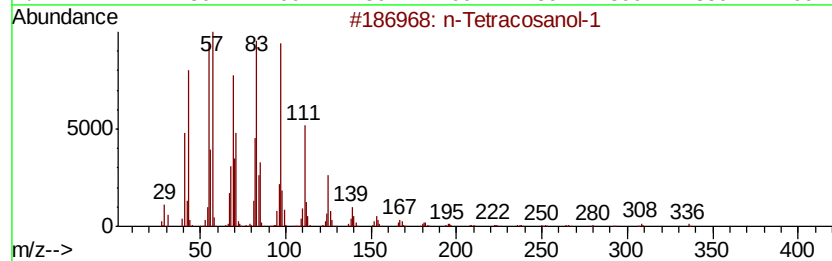
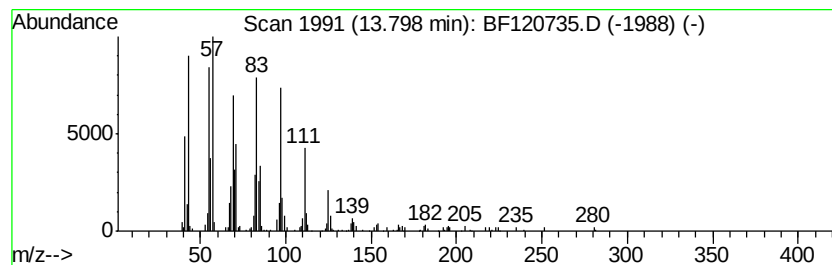
Instrument :  
BNA\_F  
ClientSampleId :  
AU-06-062620

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.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 8 n-Tetracosanol-1 Concentration Rank 4

| R.T.    | EstConc                             | Area           | Relative to ISTD | R.T.      |
|---------|-------------------------------------|----------------|------------------|-----------|
| 13.80   | 11.23 ng                            | 190938         | Chrysene-d12     | 13.96     |
| Hit# of | 5                                   | Tentative ID   | MW MolForm       | CAS# Qual |
| 1       | n-Tetracosanol-1                    | 354 C24H50O    | 000506-51-4      | 95        |
| 2       | Heptafluorobutyric acid, pentade... | 424 C19H31F7O2 | 959261-23-5      | 94        |
| 3       | Octadecyl trifluoroacetate          | 366 C20H37F3O2 | 079392-43-1      | 93        |
| 4       | Behenic alcohol                     | 326 C22H46O    | 000661-19-8      | 93        |
| 5       | 1-Heneicosanol                      | 312 C21H44O    | 015594-90-8      | 93        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062920\  
Data File : BF120735.D  
Acq On : 29 Jun 2020 18:49  
Operator : JU/CG  
Sample : L2806-01  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
AU-06-062620

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061020.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 |
| Hexadecanoic acid... | 11.71 | 3.0     | ng    | 63420    | 4                     | 11.32 | 426550 | 20.0 |
| n-Hexadecanoic acid  | 11.86 | 3.5     | ng    | 75346    | 4                     | 11.32 | 426550 | 20.0 |
| 2,4,4,6,6,8,8-Hep... | 12.29 | 2.3     | ng    | 49222    | 4                     | 11.32 | 426550 | 20.0 |
| 9,12-Octadecadien... | 12.39 | 16.9    | ng    | 359709   | 4                     | 11.32 | 426550 | 20.0 |
| 16-Octadecenoic a... | 12.42 | 16.2    | ng    | 344785   | 4                     | 11.32 | 426550 | 20.0 |
| Methyl stearate      | 12.50 | 3.1     | ng    | 65856    | 4                     | 11.32 | 426550 | 20.0 |
| n-Tetracosanol-1     | 13.80 | 11.2    | ng    | 190938   | 5                     | 13.96 | 340142 | 20.0 |