

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF121118\  
 Data File : BF111300.D  
 Acq On : 12 Dec 2018 2:27  
 Operator : JU/SJ  
 Sample : J6193-07 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CL-01-121018-D

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-BF120818.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         | 5.398       | 560           | 563         | 574          | rVB      | 896119         | 899451        | 10.78%          | 2.217%        |
| 2         | 6.416       | 733           | 736         | 744          | rVB      | 1051883        | 972918        | 11.67%          | 2.398%        |
| 3         | 6.563       | 757           | 761         | 769          | rVB      | 1015321        | 950466        | 11.40%          | 2.343%        |
| 4         | 6.792       | 797           | 800         | 804          | rBV      | 1855361        | 1619630       | 19.42%          | 3.993%        |
| 5         | 6.951       | 824           | 827         | 831          | rBV      | 916818         | 725547        | 8.70%           | 1.789%        |
| 6         | 7.345       | 886           | 894         | 899          | rBV      | 660422         | 639097        | 7.66%           | 1.575%        |
| 7         | 7.404       | 901           | 904         | 907          | rVB      | 217532         | 162290        | 1.95%           | 0.400%        |
| 8         | 8.075       | 1014          | 1018        | 1022         | rBV      | 2770451        | 2482591       | 29.77%          | 6.120%        |
| 9         | 8.510       | 1089          | 1092        | 1094         | rBV      | 126111         | 104677        | 1.26%           | 0.258%        |
| 10        | 8.680       | 1117          | 1121        | 1124         | rBV      | 419345         | 324327        | 3.89%           | 0.800%        |
| 11        | 8.780       | 1134          | 1138        | 1144         | rVB4     | 59167          | 92724         | 1.11%           | 0.229%        |
| 12        | 8.904       | 1152          | 1159        | 1164         | rBV5     | 65878          | 102098        | 1.22%           | 0.252%        |
| 13        | 9.110       | 1192          | 1194        | 1198         | rVB2     | 119364         | 104177        | 1.25%           | 0.257%        |
| 14        | 9.151       | 1198          | 1201        | 1206         | rBV      | 1385945        | 1075447       | 12.89%          | 2.651%        |
| 15        | 9.245       | 1213          | 1217        | 1221         | rBV      | 412245         | 323975        | 3.88%           | 0.799%        |
| 16        | 9.498       | 1252          | 1260        | 1261         | rBV4     | 63395          | 111007        | 1.33%           | 0.274%        |
| 17        | 9.545       | 1266          | 1268        | 1270         | rBV      | 184252         | 165237        | 1.98%           | 0.407%        |
| 18        | 9.774       | 1304          | 1307        | 1311         | rVB      | 327099         | 250010        | 3.00%           | 0.616%        |
| 19        | 9.833       | 1311          | 1317        | 1320         | rBV      | 2875554        | 2425287       | 29.08%          | 5.979%        |
| 20        | 10.274      | 1389          | 1392        | 1395         | rVB      | 272549         | 205890        | 2.47%           | 0.508%        |
| 21        | 10.492      | 1423          | 1429        | 1436         | rBV      | 102049         | 135629        | 1.63%           | 0.334%        |
| 22        | 10.610      | 1446          | 1449        | 1454         | rVB      | 615862         | 583168        | 6.99%           | 1.438%        |
| 23        | 10.745      | 1469          | 1472        | 1479         | rBV      | 282720         | 308640        | 3.70%           | 0.761%        |
| 24        | 11.192      | 1545          | 1548        | 1551         | rBV      | 240491         | 195715        | 2.35%           | 0.482%        |
| 25        | 11.227      | 1551          | 1554        | 1559         | rVB      | 85422          | 94980         | 1.14%           | 0.234%        |
| 26        | 11.316      | 1565          | 1569        | 1571         | rBV      | 2405066        | 2059362       | 24.69%          | 5.077%        |
| 27        | 11.333      | 1571          | 1572        | 1576         | rVB      | 152173         | 117245        | 1.41%           | 0.289%        |
| 28        | 11.621      | 1618          | 1621        | 1623         | rBV      | 179250         | 144243        | 1.73%           | 0.356%        |
| 29        | 11.716      | 1634          | 1637        | 1641         | rBV      | 2881386        | 2524258       | 30.27%          | 6.223%        |
| 30        | 11.845      | 1656          | 1659        | 1663         | rBV      | 234757         | 196953        | 2.36%           | 0.486%        |
| 31        | 12.027      | 1687          | 1690        | 1698         | rVB      | 157899         | 155609        | 1.87%           | 0.384%        |
| 32        | 12.410      | 1750          | 1755        | 1756         | rBV      | 8293188        | 8340089       | 100.00%         | 20.560%       |
| 33        | 12.427      | 1756          | 1758        | 1766         | rVV2     | 6640665        | 5792866       | 69.46%          | 14.280%       |
| 34        | 12.510      | 1769          | 1772        | 1775         | rVV      | 1281488        | 1128369       | 13.53%          | 2.782%        |

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Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-121018-D

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-BF120818.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 12.557 | 1778 | 1780 | 1789 | rVV3 | 337944  | 432614  | 5.19%  | 1.066% |
| 36 | 12.633 | 1790 | 1793 | 1798 | rVB  | 134828  | 136302  | 1.63%  | 0.336% |
| 37 | 12.751 | 1809 | 1813 | 1816 | rVB  | 172180  | 185341  | 2.22%  | 0.457% |
| 38 | 12.898 | 1835 | 1838 | 1843 | rBV  | 952678  | 804112  | 9.64%  | 1.982% |
| 39 | 13.145 | 1877 | 1880 | 1885 | rVB3 | 111443  | 160698  | 1.93%  | 0.396% |
| 40 | 13.815 | 1991 | 1994 | 1999 | rBV  | 89598   | 88422   | 1.06%  | 0.218% |
| 41 | 13.951 | 2013 | 2017 | 2020 | rBV  | 2110200 | 1909129 | 22.89% | 4.706% |
| 42 | 15.392 | 2257 | 2262 | 2267 | rBV  | 1082595 | 1334509 | 16.00% | 3.290% |

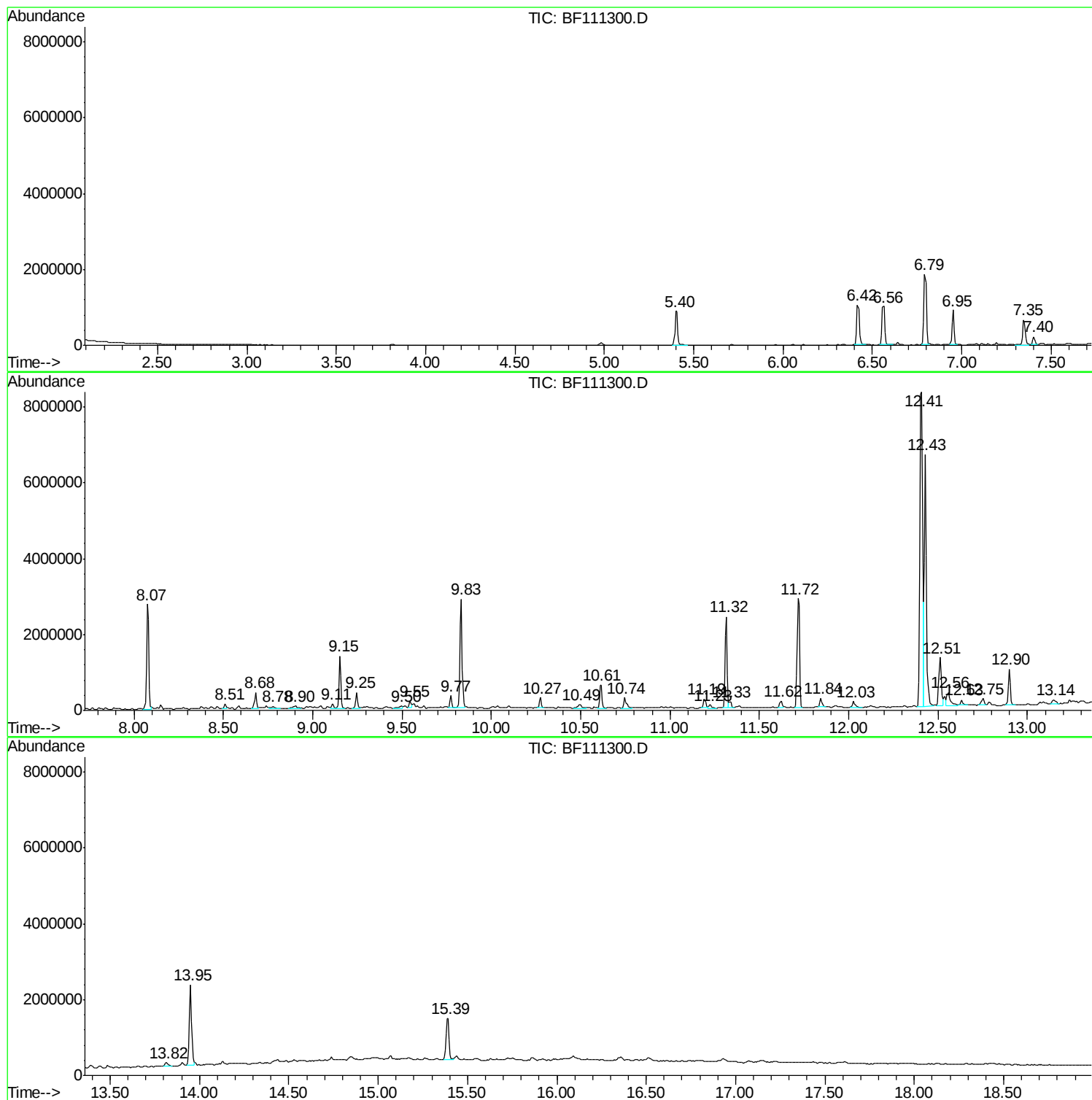
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Sample : J6193-07 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
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CL-01-121018-D

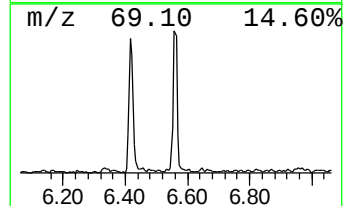
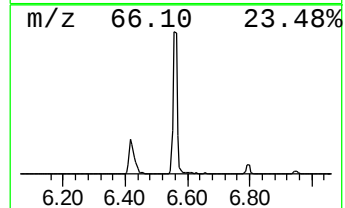
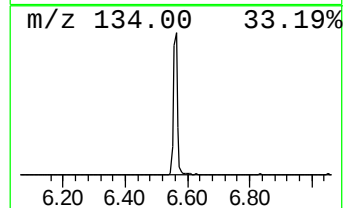
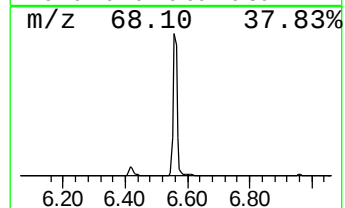
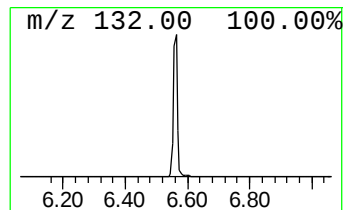
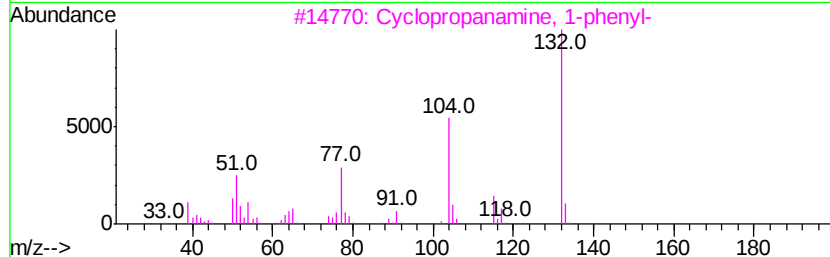
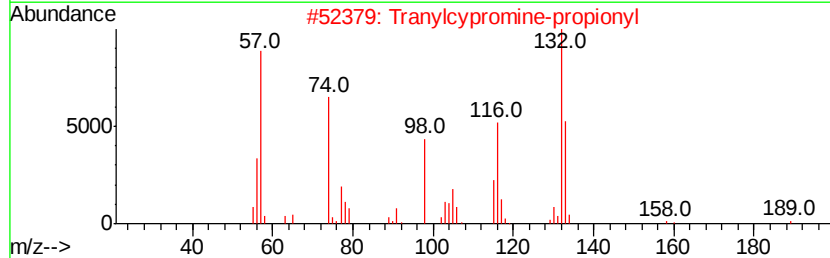
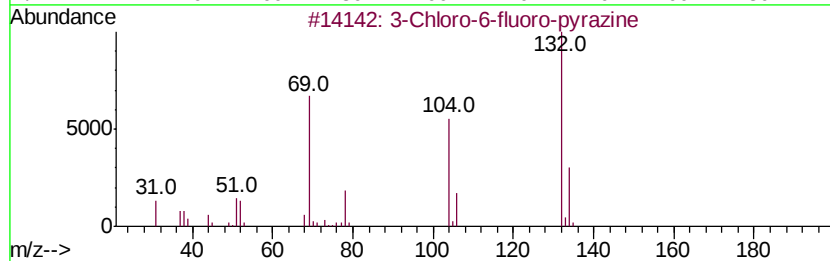
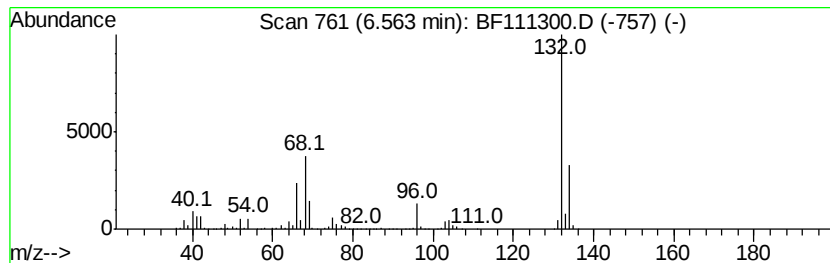
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 unknown6.56 Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.56 | 11.74 ng | 950466 | 1,4-Dichlorobenzene-d4 | 6.79 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm   | CAS#         | Qual |
|------|----|---|--------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 3-Chloro-6-fluoro-pyrazine     | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    |   | Tranylcypromine-propionyl      | 189 | C12H15NO  | 1000123-86-3 | 16   |
| 3    |    |   | Cyclopropanamine, 1-phenyl-    | 133 | C9H11N    | 1000351-26-2 | 9    |
| 4    |    |   | 1-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2    | 064608-59-9  | 9    |
| 5    |    |   | 4-Chloro-6-fluoro-pyrimidine   | 132 | C4H2ClFN2 | 051422-01-6  | 9    |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

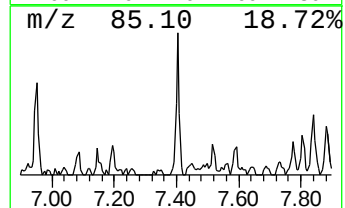
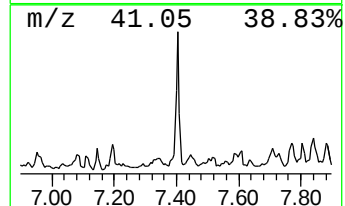
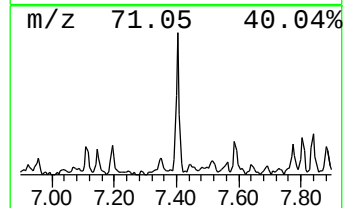
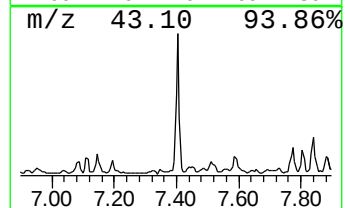
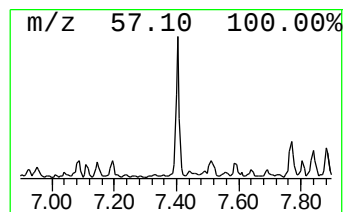
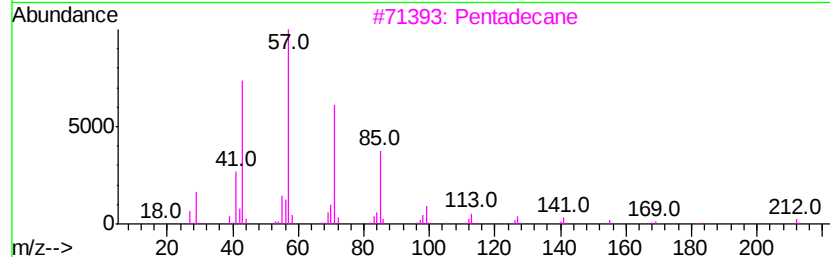
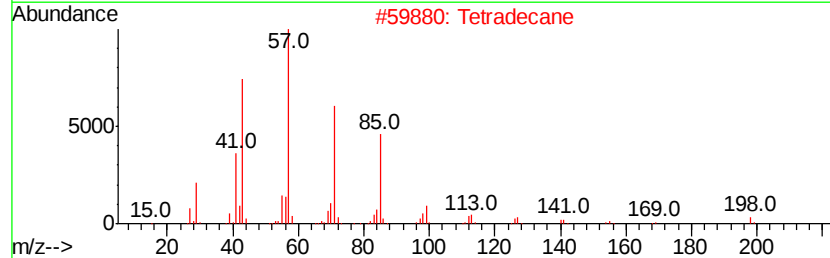
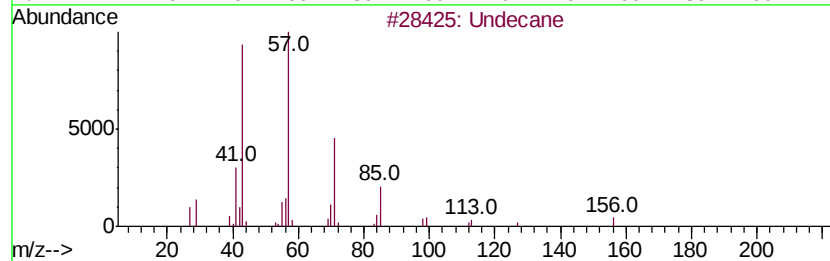
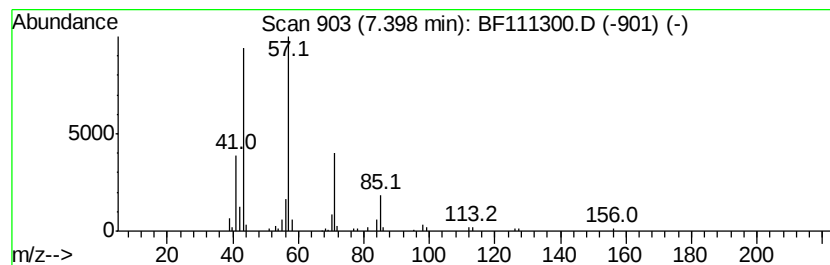
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Undecane Concentration Rank 12

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 7.40 | 2.00 ng | 162290 | 1,4-Dichlorobenzene-d4 | 6.79 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Undecane                | 156 | C11H24  | 001120-21-4 | 87   |
| 2    |    | Tetradecane             | 198 | C14H30  | 000629-59-4 | 83   |
| 3    |    | Pentadecane             | 212 | C15H32  | 000629-62-9 | 78   |
| 4    |    | Tridecane               | 184 | C13H28  | 000629-50-5 | 78   |
| 5    |    | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 72   |



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ALS Vial : 19 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

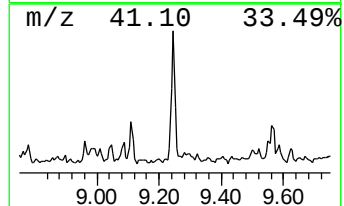
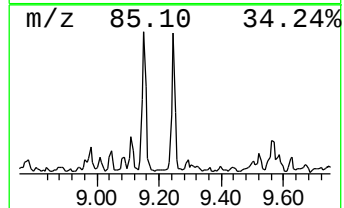
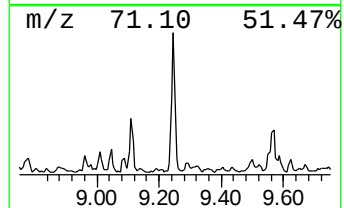
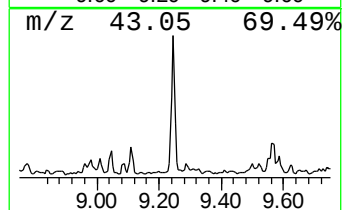
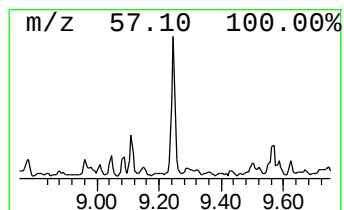
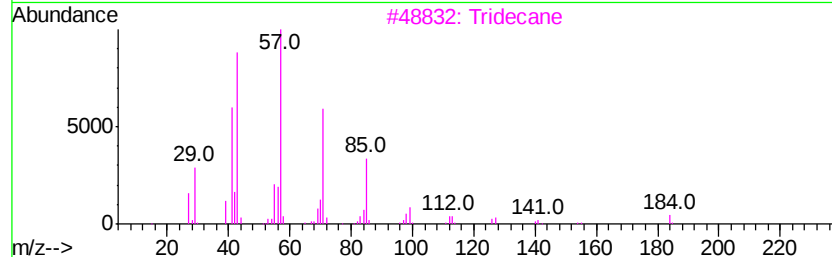
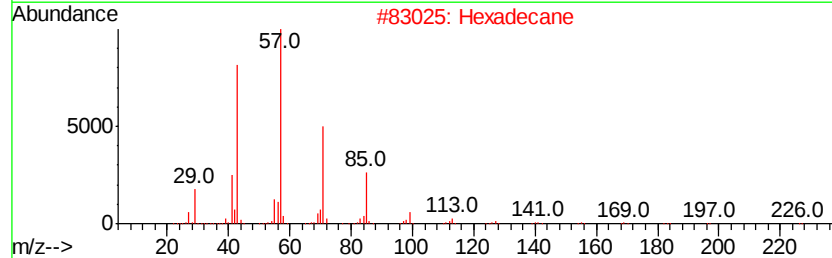
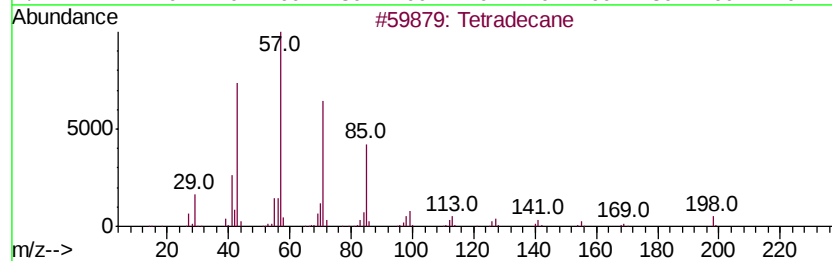
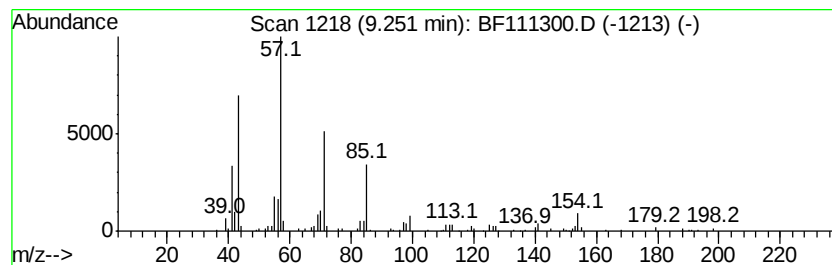
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Tetradecane Concentration Rank 9

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.25 | 2.67 ng | 323975 | Acenaphthene-d10 | 9.83 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|---------|---|-------------------------------------|-----|-----------|--------------|------|
| 1       |   | Tetradecane                         | 198 | C14H30    | 000629-59-4  | 93   |
| 2       |   | Hexadecane                          | 226 | C16H34    | 000544-76-3  | 91   |
| 3       |   | Tridecane                           | 184 | C13H28    | 000629-50-5  | 86   |
| 4       |   | Sulfurous acid, 2-ethylhexyl iso... | 278 | C14H30O3S | 1000309-19-0 | 78   |
| 5       |   | Octacosane                          | 394 | C28H58    | 000630-02-4  | 78   |



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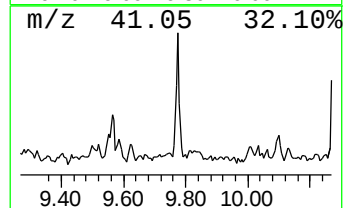
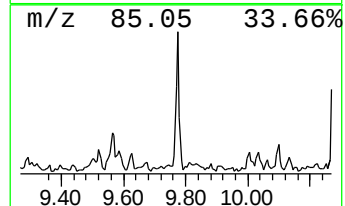
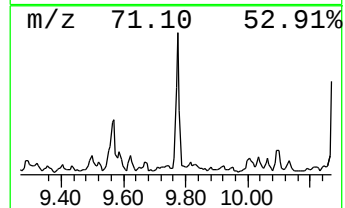
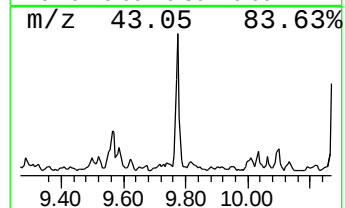
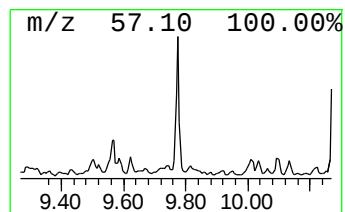
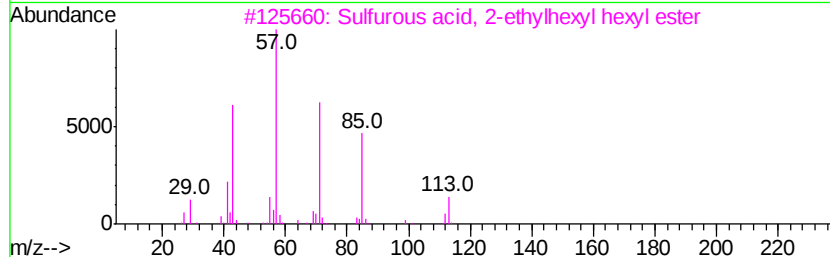
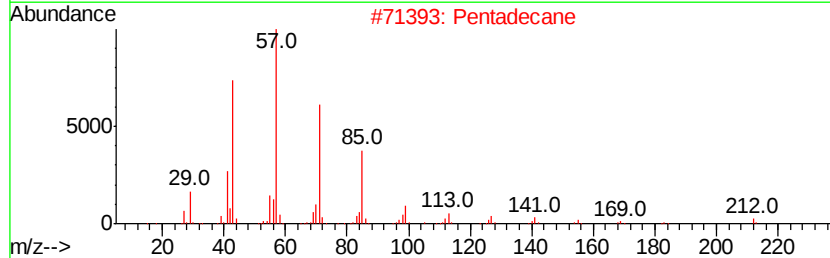
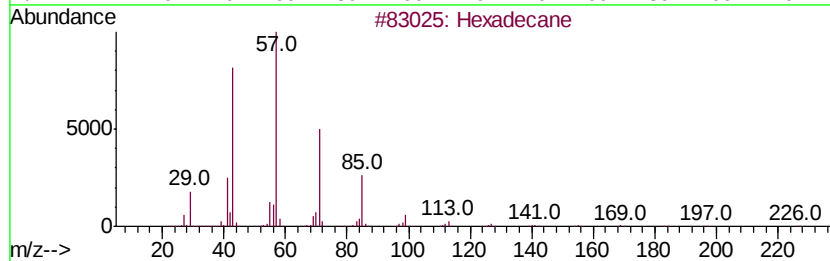
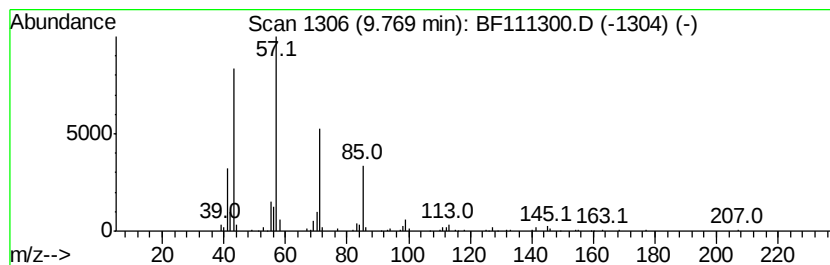
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-121018-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.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 6 Hexadecane Concentration Rank 11

| R.T.    | EstConc                             | Area          | Relative to ISTD | R.T.      |
|---------|-------------------------------------|---------------|------------------|-----------|
| 9.77    | 2.06 ng                             | 250010        | Acenaphthene-d10 | 9.83      |
| Hit# of | 5                                   | Tentative ID  | MW MolForm       | CAS# Qual |
| 1       | Hexadecane                          | 226 C16H34    | 000544-76-3      | 91        |
| 2       | Pentadecane                         | 212 C15H32    | 000629-62-9      | 90        |
| 3       | Sulfurous acid, 2-ethylhexyl hex... | 278 C14H30O3S | 1000309-20-2     | 72        |
| 4       | Octane, 3-ethyl-2,7-dimethyl-       | 170 C12H26    | 062183-55-5      | 53        |
| 5       | Decane, 5-methyl-                   | 156 C11H24    | 013151-35-4      | 50        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\  
Data File : BF111300.D  
Acq On : 12 Dec 2018 2:27  
Operator : JU/SJ  
Sample : J6193-07 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-121018-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

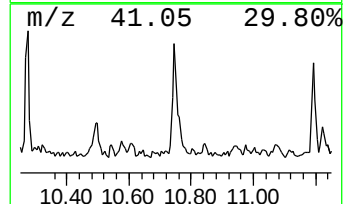
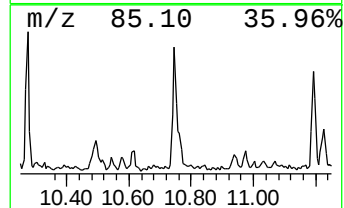
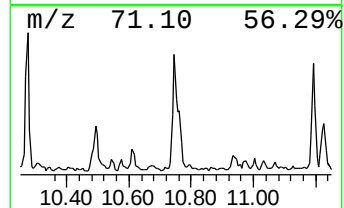
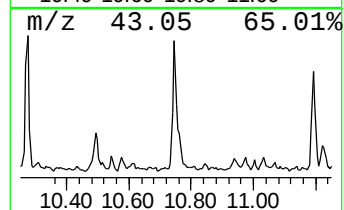
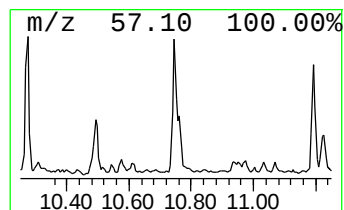
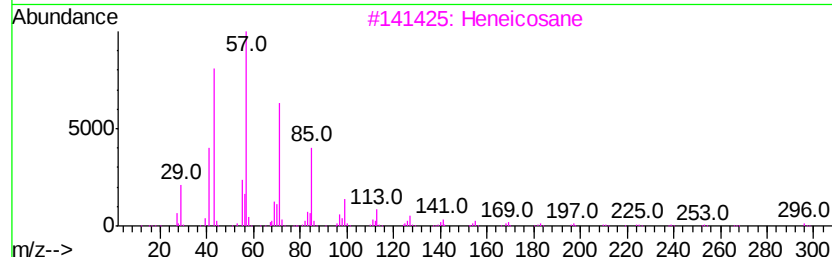
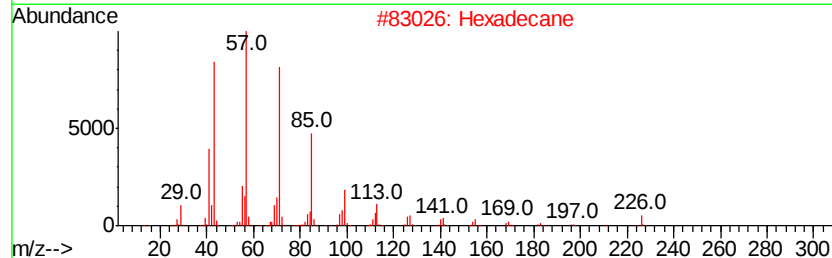
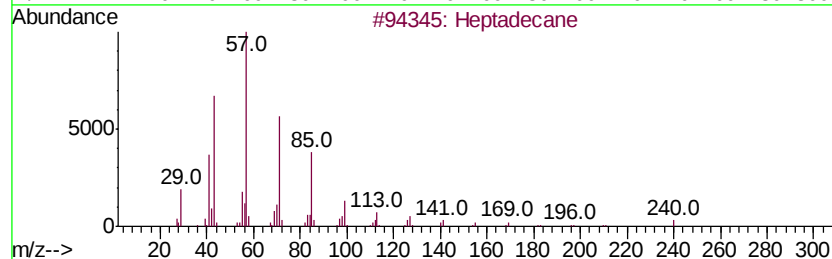
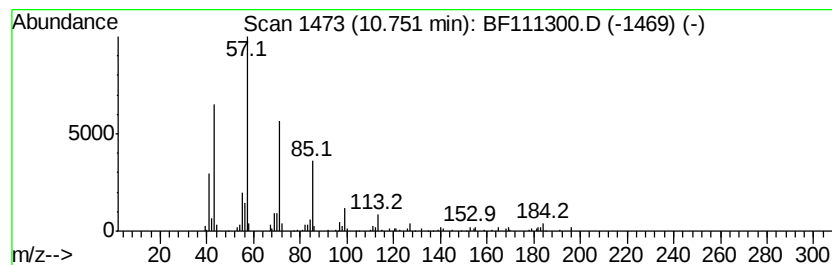
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Heptadecane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.75 | 3.00 ng | 308640 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane                         | 240 | C17H36  | 000629-78-7 | 93   |
| 2    |    | Hexadecane                          | 226 | C16H34  | 000544-76-3 | 86   |
| 3    |    | Heneicosane                         | 296 | C21H44  | 000629-94-7 | 86   |
| 4    |    | Tetracosane                         | 338 | C24H50  | 000646-31-1 | 86   |
| 5    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\  
Data File : BF111300.D  
Acq On : 12 Dec 2018 2:27  
Operator : JU/SJ  
Sample : J6193-07 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

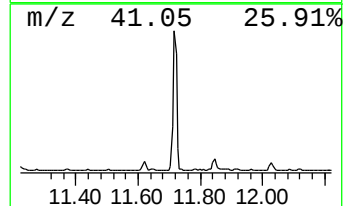
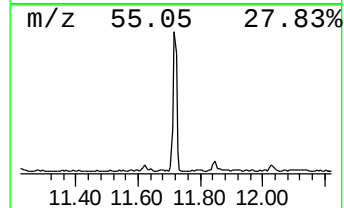
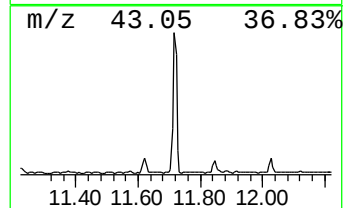
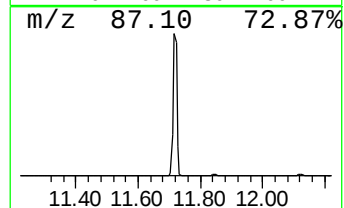
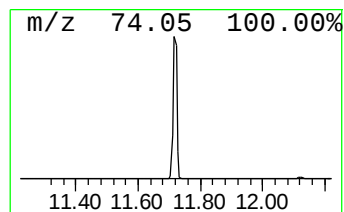
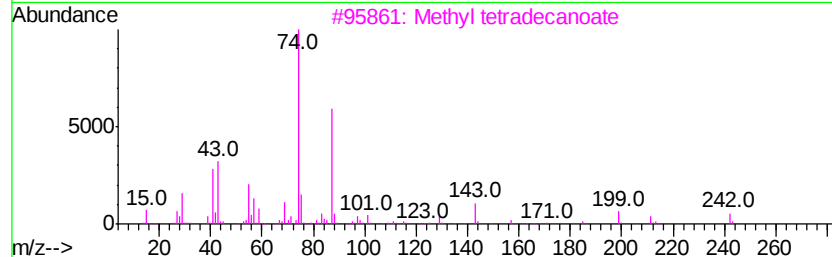
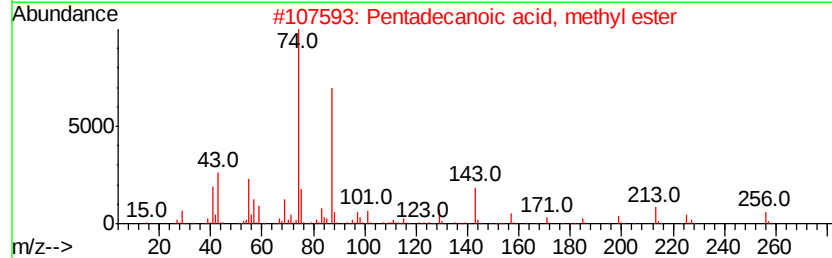
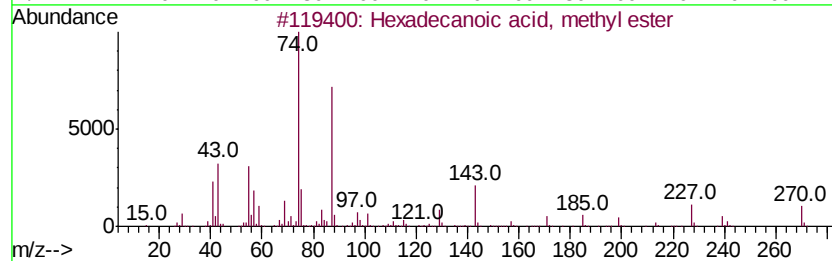
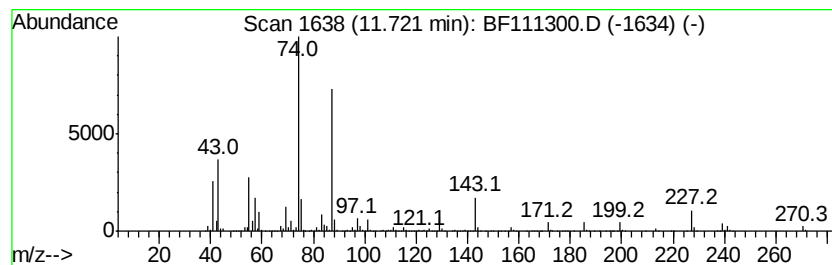
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-121018-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 Hexadecanoic acid, methyl e... Concentration Rank 3

| R.T.      | EstConc                          | Area    | Relative to ISTD | R.T.        |      |
|-----------|----------------------------------|---------|------------------|-------------|------|
| 11.72     | 24.52 ng                         | 2524260 | Phenanthrene-d10 | 11.32       |      |
| Hit# of 5 | Tentative ID                     | MW      | MolForm          | CAS#        | Qual |
| 1         | Hexadecanoic acid, methyl ester  | 270     | C17H34O2         | 000112-39-0 | 97   |
| 2         | Pentadecanoic acid, methyl ester | 256     | C16H32O2         | 007132-64-1 | 90   |
| 3         | Methyl tetradecanoate            | 242     | C15H30O2         | 000124-10-7 | 90   |
| 4         | Dodecanoic acid, methyl ester    | 214     | C13H26O2         | 000111-82-0 | 90   |
| 5         | Tridecanoic acid, methyl ester   | 228     | C14H28O2         | 001731-88-0 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\  
Data File : BF111300.D  
Acq On : 12 Dec 2018 2:27  
Operator : JU/SJ  
Sample : J6193-07 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

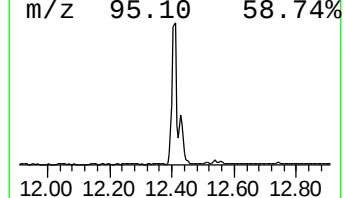
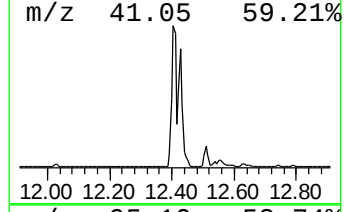
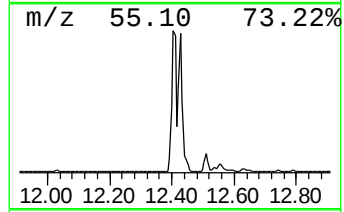
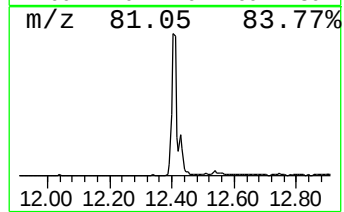
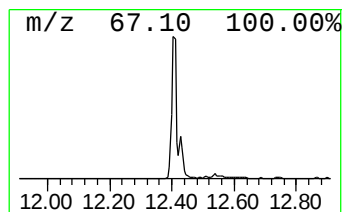
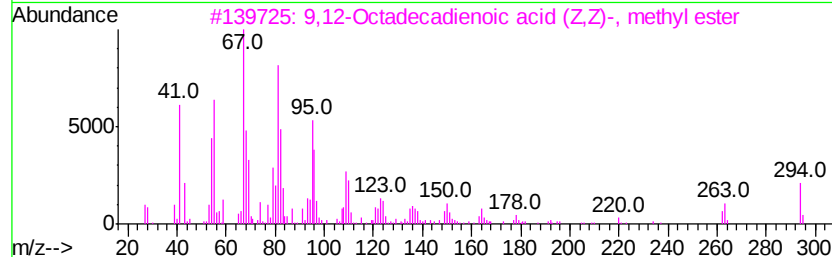
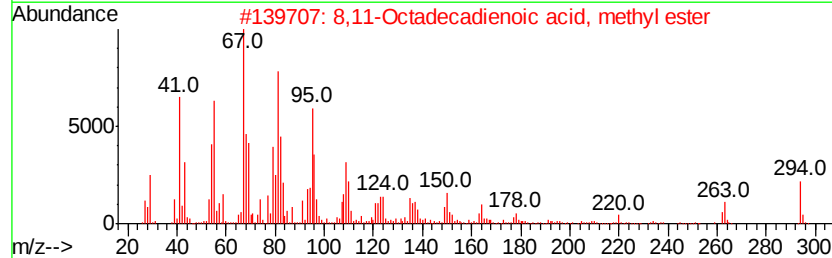
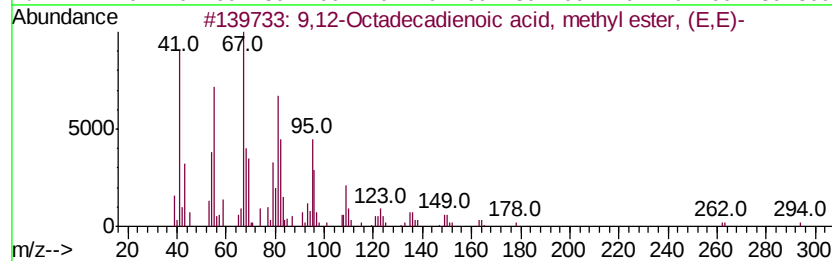
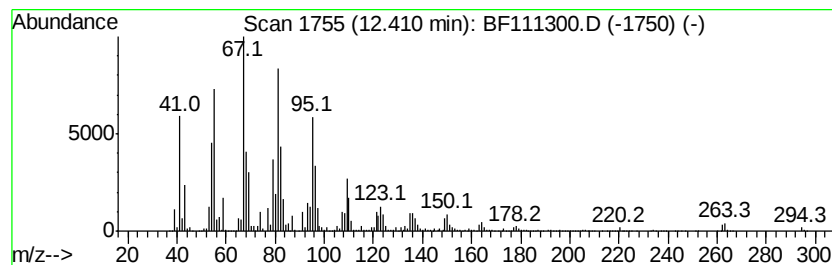
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-121018-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 9,12-Octadecadienoic acid, ... Concentration Rank 1

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|-------------|------|
| 12.41     | 81.00 ng                            | 8340090 | 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         | 8,11-Octadecadienoic acid, methy... | 294     | C19H34O2         | 056599-58-7 | 99   |
| 3         | 9,12-Octadecadienoic acid (Z,Z)-... | 294     | C19H34O2         | 000112-63-0 | 99   |
| 4         | 10,13-Octadecadienoic acid, meth... | 294     | C19H34O2         | 056554-62-2 | 99   |
| 5         | 9,12-Octadecadienoic acid, methy... | 294     | C19H34O2         | 002462-85-3 | 99   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\  
Data File : BF111300.D  
Acq On : 12 Dec 2018 2:27  
Operator : JU/SJ  
Sample : J6193-07 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-121018-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

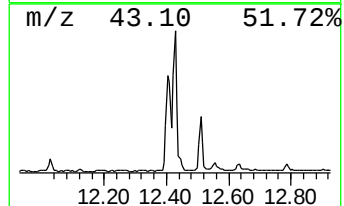
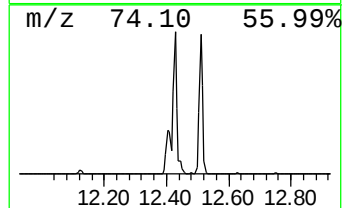
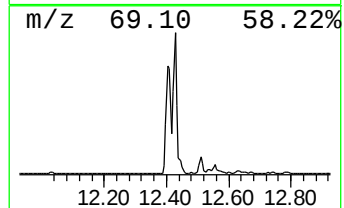
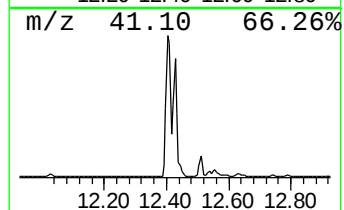
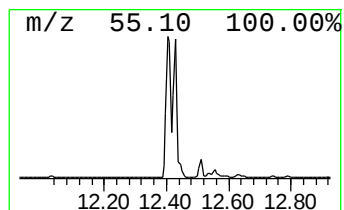
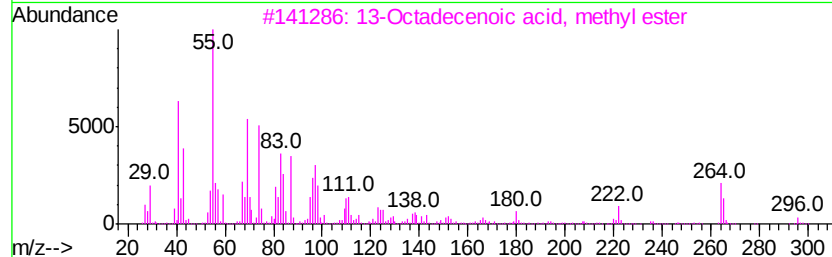
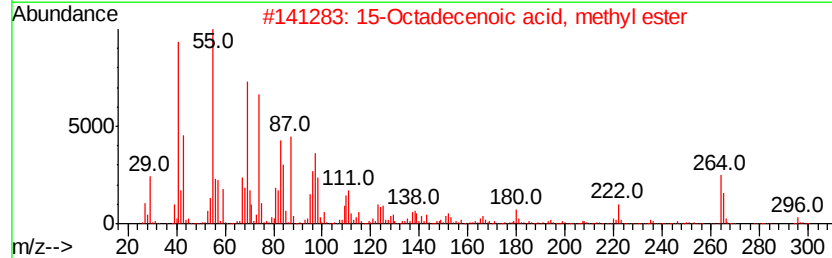
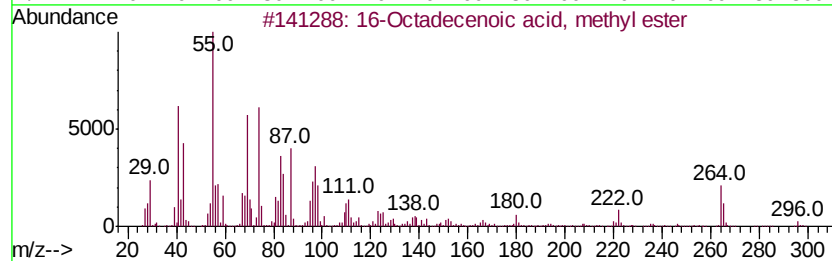
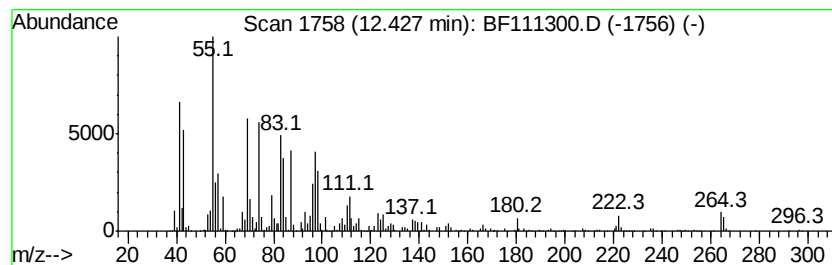
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 16-Octadecenoic acid, methyl ester Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.43 | 56.26 ng | 5792870 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 16-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-49-5 | 96   |
| 2    |    | 15-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 004764-72-1 | 96   |
| 3    |    | 13-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-47-3 | 95   |
| 4    |    | 14-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-48-4 | 94   |
| 5    |    | 11-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 052380-33-3 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\  
Data File : BF111300.D  
Acq On : 12 Dec 2018 2:27  
Operator : JU/SJ  
Sample : J6193-07 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

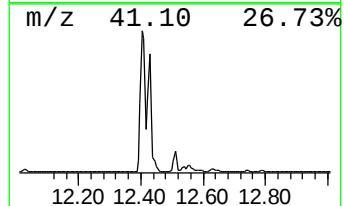
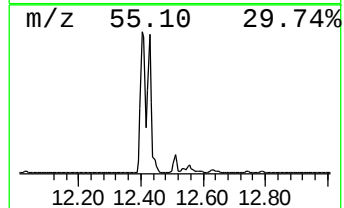
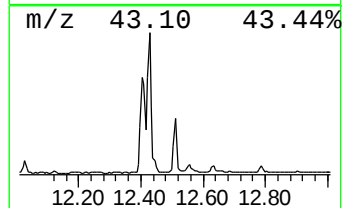
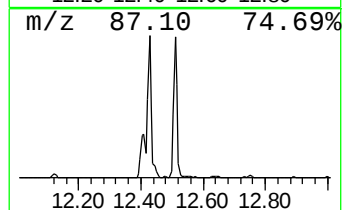
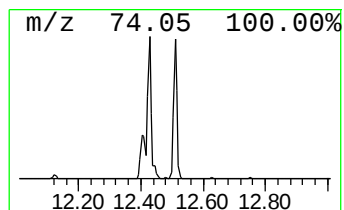
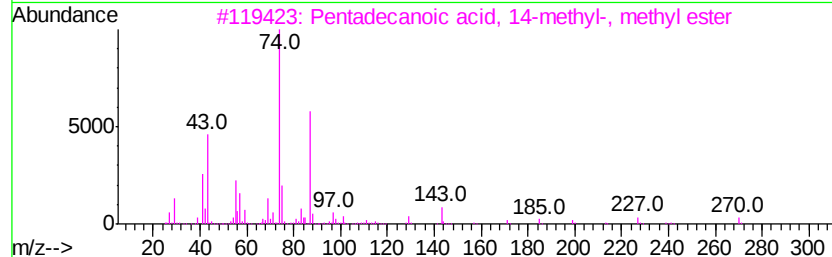
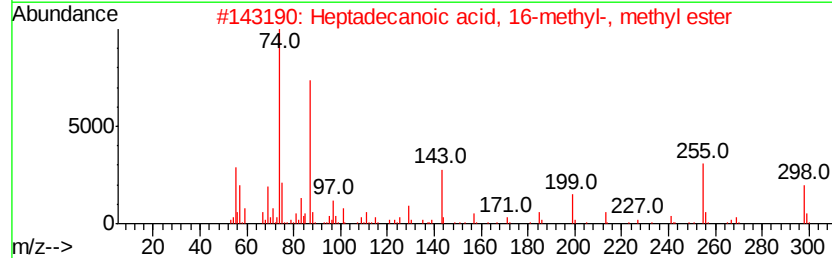
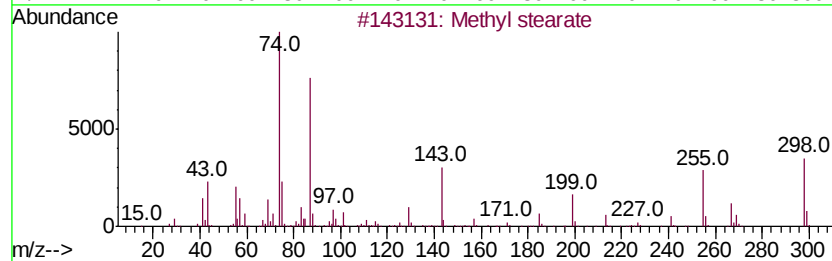
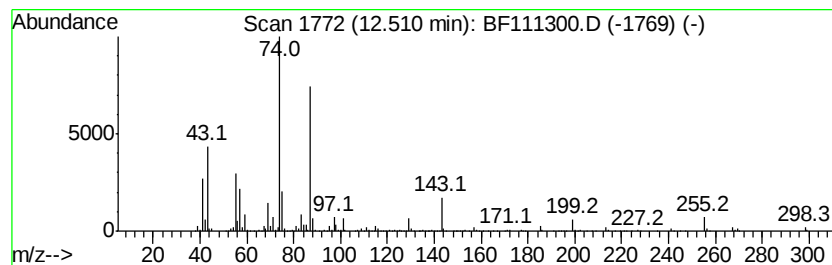
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-121018-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 11 Methyl stearate Concentration Rank 5

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.     |             |      |
|---------|----------|-------------------------------------|------------------|----------|-------------|------|
| 12.51   | 10.96 ng | 1128370                             | Phenanthrene-d10 | 11.32    |             |      |
| Hit# of | 5        | Tentative ID                        | MW               | MolForm  | CAS#        | Qual |
| 1       |          | Methyl stearate                     | 298              | C19H38O2 | 000112-61-8 | 97   |
| 2       |          | Heptadecanoic acid, 16-methyl-, ... | 298              | C19H38O2 | 005129-61-3 | 93   |
| 3       |          | Pentadecanoic acid, 14-methyl-, ... | 270              | C17H34O2 | 005129-60-2 | 91   |
| 4       |          | Hexadecanoic acid, 15-methyl-, m... | 284              | C18H36O2 | 006929-04-0 | 91   |
| 5       |          | Heptadecanoic acid, methyl ester    | 284              | C18H36O2 | 001731-92-6 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\  
Data File : BF111300.D  
Acq On : 12 Dec 2018 2:27  
Operator : JU/SJ  
Sample : J6193-07 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

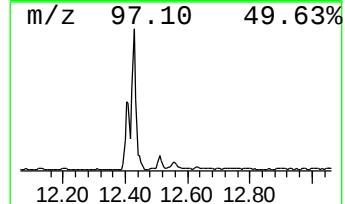
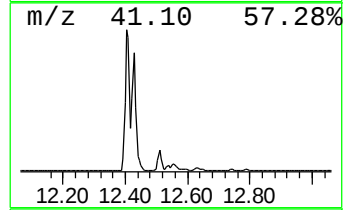
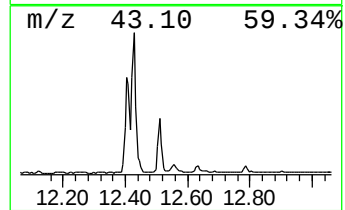
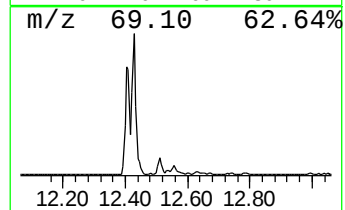
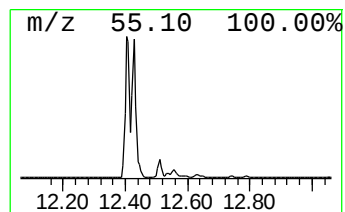
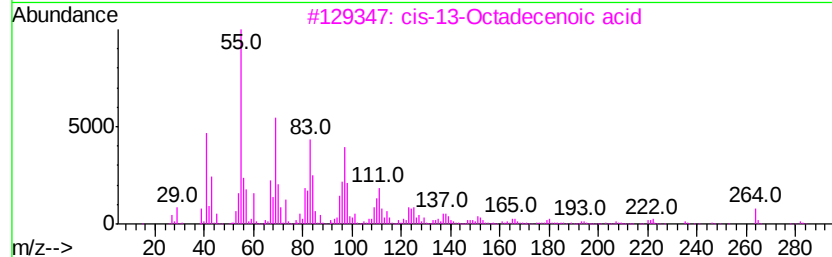
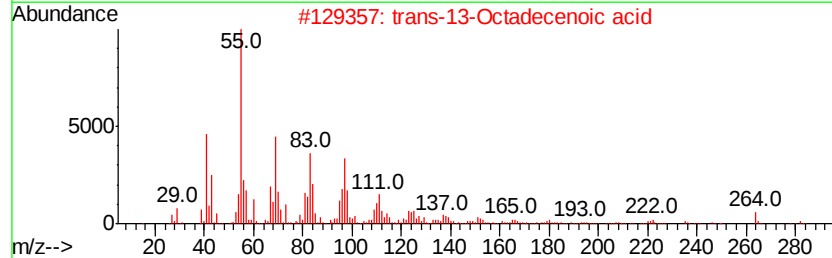
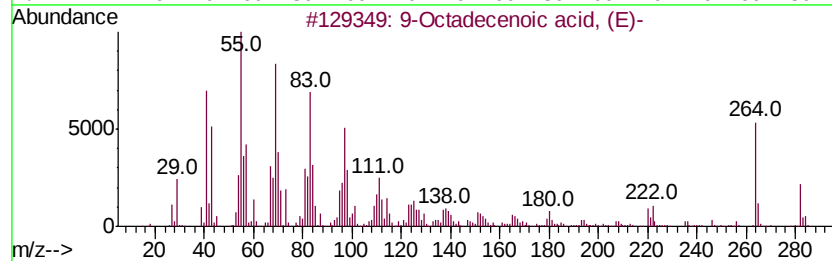
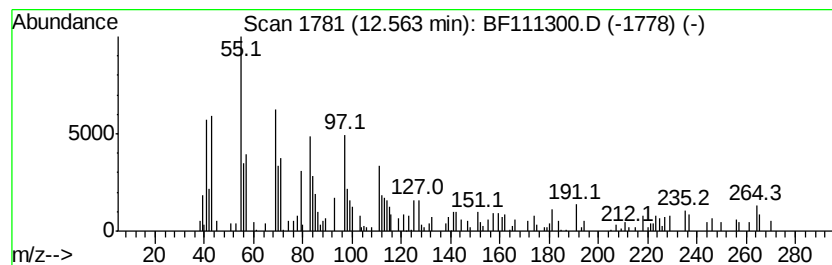
Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-121018-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 12 9-Octadecenoic acid, (E)- Concentration Rank 7

| R.T.    | EstConc | Area                       | Relative to ISTD | R.T.     |             |      |
|---------|---------|----------------------------|------------------|----------|-------------|------|
| 12.56   | 4.20 ng | 432614                     | Phenanthrene-d10 | 11.32    |             |      |
| Hit# of | 5       | Tentative ID               | MW               | MolForm  | CAS#        | Qual |
| 1       |         | 9-Octadecenoic acid, (E)-  | 282              | C18H34O2 | 000112-79-8 | 95   |
| 2       |         | trans-13-Octadecenoic acid | 282              | C18H34O2 | 000693-71-0 | 93   |
| 3       |         | cis-13-Octadecenoic acid   | 282              | C18H34O2 | 013126-39-1 | 91   |
| 4       |         | Oleic Acid                 | 282              | C18H34O2 | 000112-80-1 | 91   |
| 5       |         | cis-Vaccenic acid          | 282              | C18H34O2 | 000506-17-2 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF121118\  
Data File : BF111300.D  
Acq On : 12 Dec 2018 2:27  
Operator : JU/SJ  
Sample : J6193-07 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CL-01-121018-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF120818.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 |
| unknown6.56          | 6.56  | 11.7    | ng    | 950466   | 1                     | 6.79  | 1619630 | 20.0 |
| Undecane             | 7.40  | 2.0     | ng    | 162290   | 1                     | 6.79  | 1619630 | 20.0 |
| Tetradecane          | 9.25  | 2.7     | ng    | 323975   | 3                     | 9.83  | 2425290 | 20.0 |
| Hexadecane           | 9.77  | 2.1     | ng    | 250010   | 3                     | 9.83  | 2425290 | 20.0 |
| Heptadecane          | 10.75 | 3.0     | ng    | 308640   | 4                     | 11.32 | 2059360 | 20.0 |
| Hexadecanoic acid... | 11.72 | 24.5    | ng    | 2524260  | 4                     | 11.32 | 2059360 | 20.0 |
| 9,12-Octadecadien... | 12.41 | 81.0    | ng    | 8340090  | 4                     | 11.32 | 2059360 | 20.0 |
| 16-Octadecenoic a... | 12.43 | 56.3    | ng    | 5792870  | 4                     | 11.32 | 2059360 | 20.0 |
| Methyl stearate      | 12.51 | 11.0    | ng    | 1128370  | 4                     | 11.32 | 2059360 | 20.0 |
| 9-Octadecenoic ac... | 12.56 | 4.2     | ng    | 432614   | 4                     | 11.32 | 2059360 | 20.0 |