

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF121018\  
 Data File : BF111263.D  
 Acq On : 11 Dec 2018 00:54  
 Operator : JU/SJ  
 Sample : J6196-01 2X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-03-120718-A

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         | 4.998       | 488           | 495         | 504          | rVB      | 265721         | 335752        | 6.05%           | 0.526%        |
| 2         | 5.416       | 561           | 566         | 569          | rBV      | 5498161        | 5280976       | 95.16%          | 8.275%        |
| 3         | 6.428       | 734           | 738         | 747          | rBV      | 5814997        | 5549740       | 100.00%         | 8.696%        |
| 4         | 6.569       | 758           | 762         | 771          | rBV      | 6251863        | 5371584       | 96.79%          | 8.417%        |
| 5         | 6.651       | 771           | 776         | 778          | rVB2     | 46910          | 63388         | 1.14%           | 0.099%        |
| 6         | 6.804       | 798           | 802         | 805          | rBV      | 3097527        | 2802782       | 50.50%          | 4.392%        |
| 7         | 6.957       | 824           | 828         | 832          | rBV      | 4919717        | 4021043       | 72.45%          | 6.300%        |
| 8         | 7.357       | 888           | 896         | 899          | rBV      | 3861870        | 3291623       | 59.31%          | 5.158%        |
| 9         | 7.410       | 902           | 905         | 908          | rVV      | 123487         | 115018        | 2.07%           | 0.180%        |
| 10        | 7.445       | 908           | 911         | 916          | rVB5     | 53272          | 82083         | 1.48%           | 0.129%        |
| 11        | 8.081       | 1015          | 1019        | 1023         | rBV      | 3796194        | 3564949       | 64.24%          | 5.586%        |
| 12        | 8.157       | 1030          | 1032        | 1034         | rVB      | 92013          | 63297         | 1.14%           | 0.099%        |
| 13        | 8.386       | 1066          | 1071        | 1074         | rBV6     | 70493          | 105138        | 1.89%           | 0.165%        |
| 14        | 8.475       | 1083          | 1086        | 1089         | rBV3     | 63273          | 66371         | 1.20%           | 0.104%        |
| 15        | 8.516       | 1090          | 1093        | 1095         | rBV      | 106486         | 97892         | 1.76%           | 0.153%        |
| 16        | 8.592       | 1103          | 1106        | 1109         | rBV2     | 84479          | 75154         | 1.35%           | 0.118%        |
| 17        | 8.686       | 1118          | 1122        | 1124         | rBV      | 235398         | 188979        | 3.41%           | 0.296%        |
| 18        | 8.781       | 1136          | 1138        | 1143         | rVB3     | 68671          | 93421         | 1.68%           | 0.146%        |
| 19        | 8.910       | 1151          | 1160        | 1162         | rBV7     | 66617          | 142578        | 2.57%           | 0.223%        |
| 20        | 9.116       | 1192          | 1195        | 1198         | rVB2     | 113162         | 96805         | 1.74%           | 0.152%        |
| 21        | 9.157       | 1199          | 1202        | 1206         | rBV      | 5005592        | 4572138       | 82.38%          | 7.164%        |
| 22        | 9.251       | 1215          | 1218        | 1222         | rBV      | 268470         | 226850        | 4.09%           | 0.355%        |
| 23        | 9.416       | 1242          | 1246        | 1253         | rBV7     | 46826          | 97374         | 1.75%           | 0.153%        |
| 24        | 9.551       | 1266          | 1269        | 1271         | rBV      | 509490         | 397485        | 7.16%           | 0.623%        |
| 25        | 9.575       | 1271          | 1273        | 1275         | rVB      | 104694         | 74503         | 1.34%           | 0.117%        |
| 26        | 9.780       | 1306          | 1308        | 1312         | rVB      | 238046         | 169832        | 3.06%           | 0.266%        |
| 27        | 9.839       | 1312          | 1318        | 1322         | rBV      | 3494856        | 3085484       | 55.60%          | 4.835%        |
| 28        | 10.039      | 1350          | 1352        | 1355         | rVB      | 80282          | 63303         | 1.14%           | 0.099%        |
| 29        | 10.280      | 1390          | 1393        | 1395         | rVB      | 190627         | 153181        | 2.76%           | 0.240%        |
| 30        | 10.498      | 1427          | 1430        | 1434         | rBV      | 89342          | 92834         | 1.67%           | 0.145%        |
| 31        | 10.622      | 1447          | 1451        | 1456         | rBV      | 2545883        | 2215626       | 39.92%          | 3.472%        |
| 32        | 10.751      | 1470          | 1473        | 1478         | rVB      | 225039         | 258390        | 4.66%           | 0.405%        |
| 33        | 11.063      | 1523          | 1526        | 1533         | rVB      | 279197         | 332126        | 5.98%           | 0.520%        |
| 34        | 11.198      | 1547          | 1549        | 1552         | rBV      | 174864         | 143856        | 2.59%           | 0.225%        |

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Sample : J6196-01 2X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-120718-A

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 | 11.233 | 1552 | 1555 | 1559 | rVB  | 115785  | 125178  | 2.26%  | 0.196% |
| 36 | 11.322 | 1566 | 1570 | 1572 | rBV  | 2961337 | 2544841 | 45.86% | 3.987% |
| 37 | 11.345 | 1572 | 1574 | 1576 | rVV  | 310472  | 257855  | 4.65%  | 0.404% |
| 38 | 11.392 | 1580 | 1582 | 1585 | rVB  | 94949   | 83525   | 1.51%  | 0.131% |
| 39 | 11.627 | 1619 | 1622 | 1624 | rBV  | 177137  | 140620  | 2.53%  | 0.220% |
| 40 | 11.722 | 1635 | 1638 | 1641 | rBV  | 893483  | 751154  | 13.53% | 1.177% |
| 41 | 11.857 | 1658 | 1661 | 1666 | rBV2 | 1198407 | 1164218 | 20.98% | 1.824% |
| 42 | 12.033 | 1689 | 1691 | 1693 | rBV  | 159150  | 111167  | 2.00%  | 0.174% |
| 43 | 12.316 | 1737 | 1739 | 1743 | rVB3 | 122626  | 122229  | 2.20%  | 0.192% |
| 44 | 12.410 | 1752 | 1755 | 1757 | rBV  | 3139027 | 2750795 | 49.57% | 4.310% |
| 45 | 12.433 | 1757 | 1759 | 1761 | rVB  | 2962511 | 2267254 | 40.85% | 3.552% |
| 46 | 12.533 | 1771 | 1776 | 1779 | rBV2 | 549006  | 823171  | 14.83% | 1.290% |
| 47 | 12.563 | 1779 | 1781 | 1783 | rBV2 | 191125  | 179253  | 3.23%  | 0.281% |
| 48 | 12.639 | 1791 | 1794 | 1800 | rBV  | 637680  | 713199  | 12.85% | 1.117% |
| 49 | 12.757 | 1812 | 1814 | 1818 | rVB  | 418204  | 366710  | 6.61%  | 0.575% |
| 50 | 12.904 | 1836 | 1839 | 1843 | rBV  | 3545806 | 3284981 | 59.19% | 5.147% |
| 51 | 13.151 | 1879 | 1881 | 1885 | rVB3 | 252910  | 251565  | 4.53%  | 0.394% |
| 52 | 13.492 | 1937 | 1939 | 1944 | rBV2 | 277148  | 323047  | 5.82%  | 0.506% |
| 53 | 13.827 | 1993 | 1996 | 2005 | rVB3 | 558945  | 916645  | 16.52% | 1.436% |
| 54 | 13.957 | 2015 | 2018 | 2021 | rBV  | 2204469 | 1989817 | 35.85% | 3.118% |
| 55 | 15.404 | 2260 | 2264 | 2267 | rVB  | 1127518 | 1362821 | 24.56% | 2.135% |

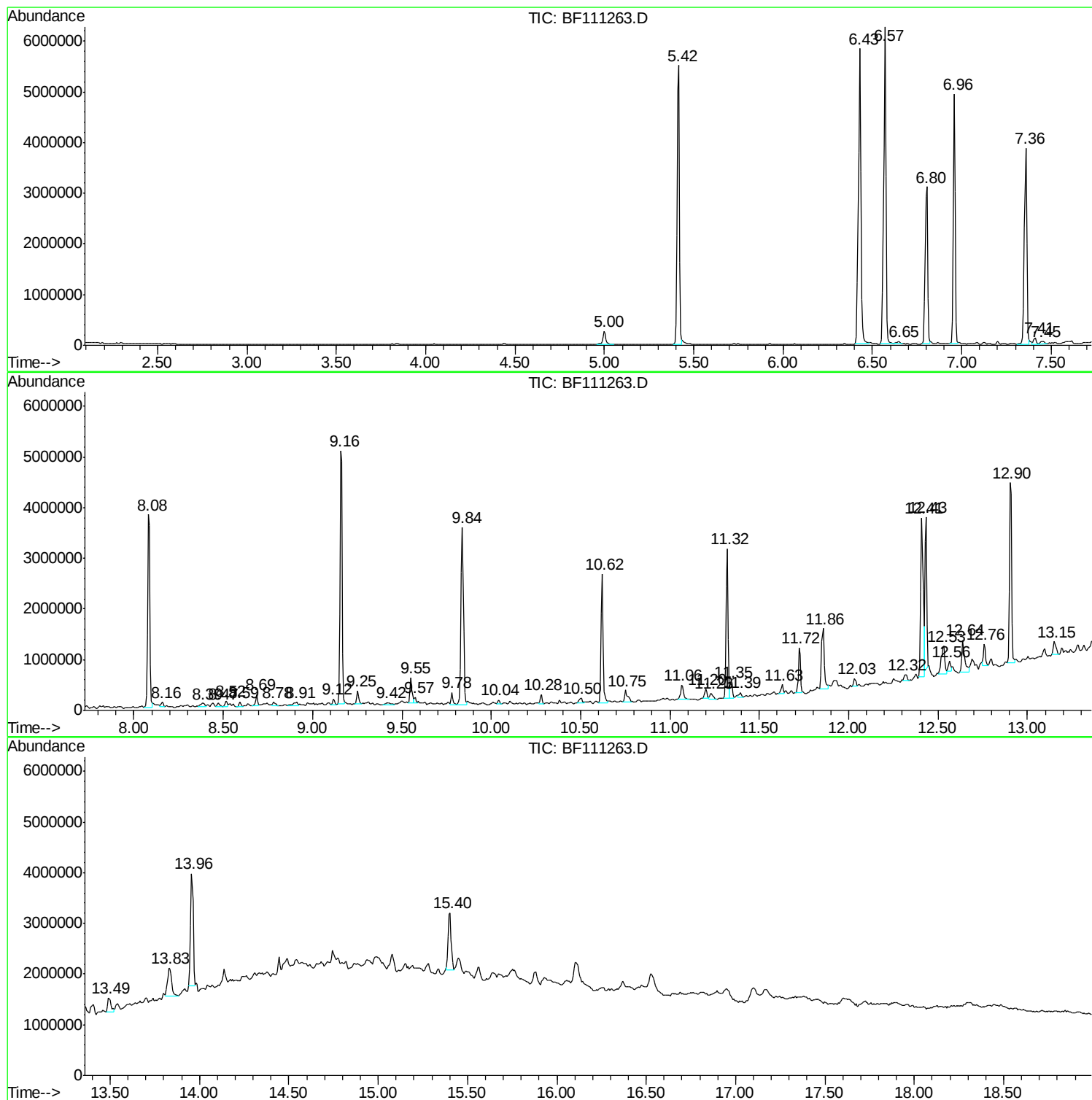
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Misc :  
ALS Vial : 21 Sample Multiplier: 1

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\  
Data File : BF111263.D  
Acq On : 11 Dec 2018 00:54  
Operator : JU/SJ  
Sample : J6196-01 2X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

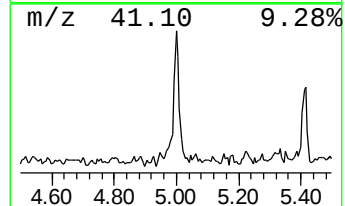
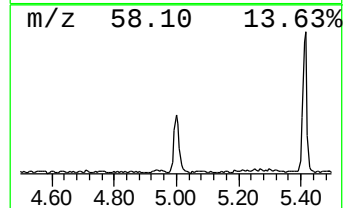
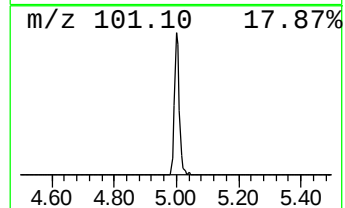
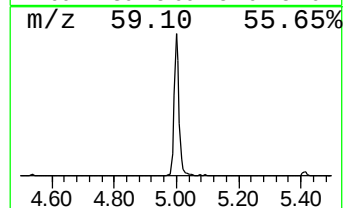
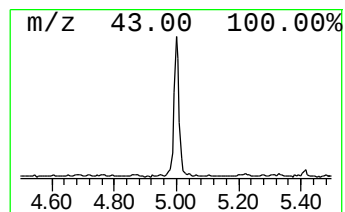
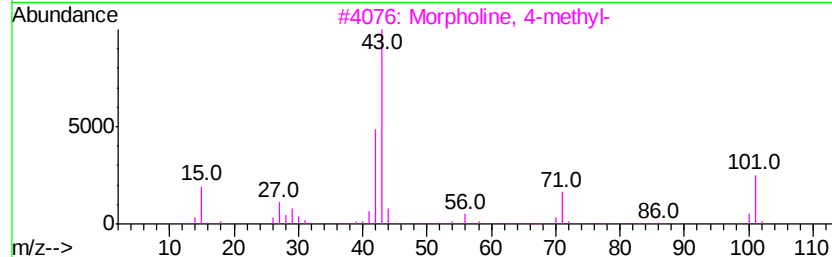
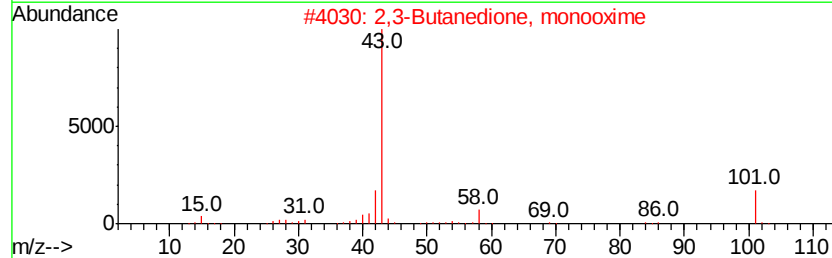
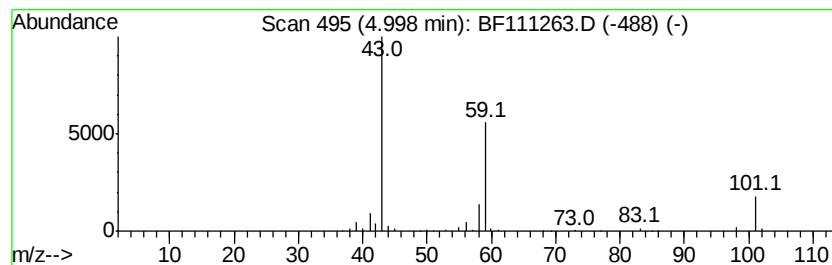
Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-120718-A

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 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

| R.T.      | EstConc                             | Area   | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|--------|------------------------|-------------|------|
| 5.00      | 2.40 ng                             | 335752 | 1,4-Dichlorobenzene-d4 | 6.80        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm                | CAS#        | Qual |
| 1         | 2-Pentanone, 4-hydroxy-4-methyl-    | 116    | C6H12O2                | 000123-42-2 | 50   |
| 2         | 2,3-Butanedione, monooxime          | 101    | C4H7NO2                | 000057-71-6 | 27   |
| 3         | Morpholine, 4-methyl-               | 101    | C5H11NO                | 000109-02-4 | 9    |
| 4         | Formamide, N,N-diethyl-             | 101    | C5H11NO                | 000617-84-5 | 9    |
| 5         | Butanamide, 2-hydroxy-2,N-dimethyl- | 117    | C5H11NO2               | 039961-72-3 | 9    |



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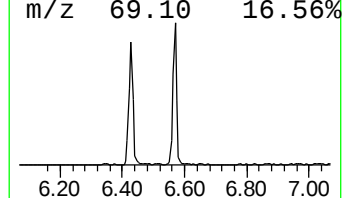
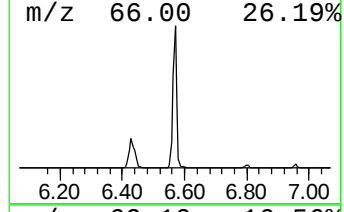
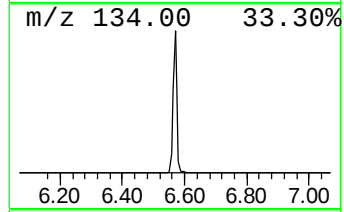
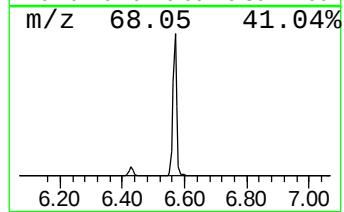
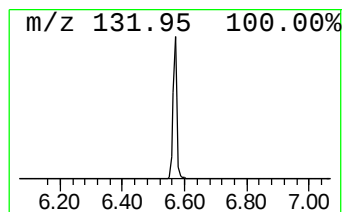
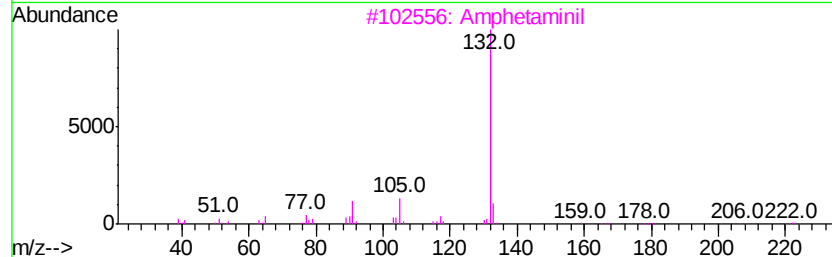
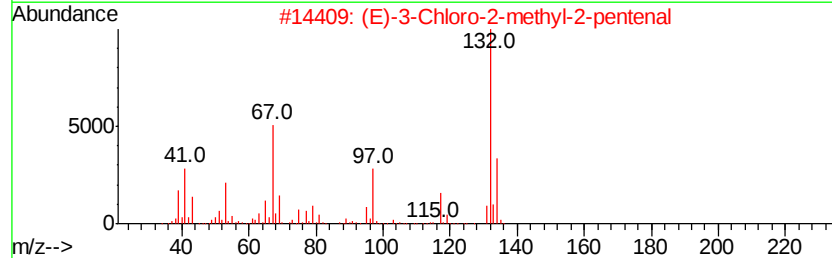
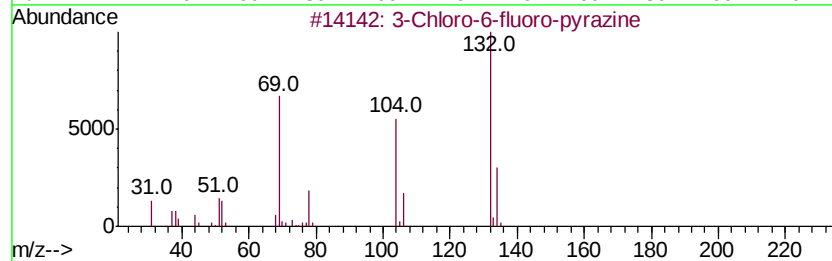
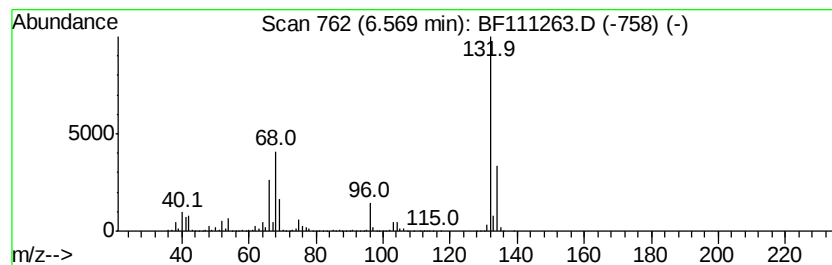
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 unknown6.57 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.57 | 38.33 ng | 5371580 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 12   |
| 3    |    | Amphetaminil                     | 250 | C17H18N2  | 017590-01-1  | 12   |
| 4    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 5    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |



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

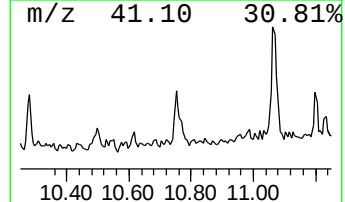
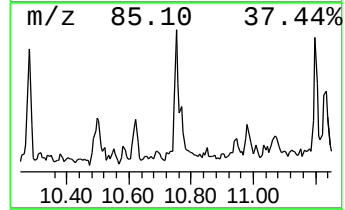
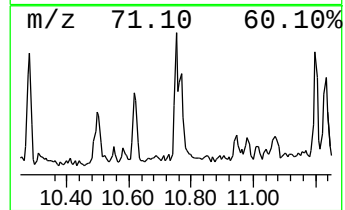
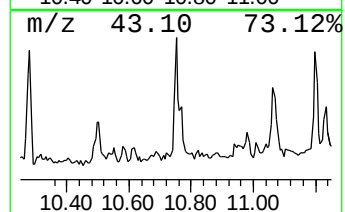
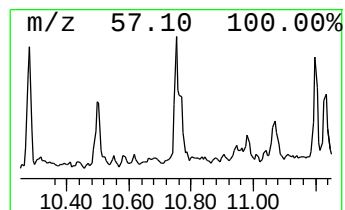
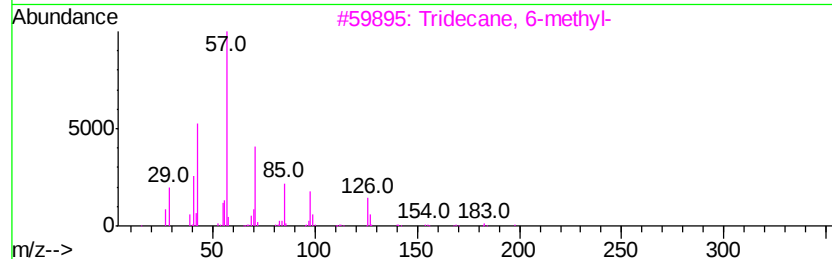
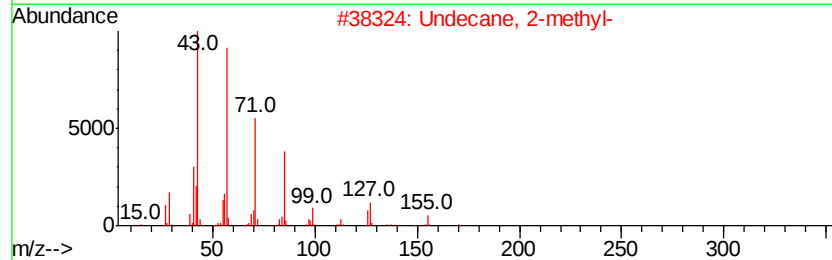
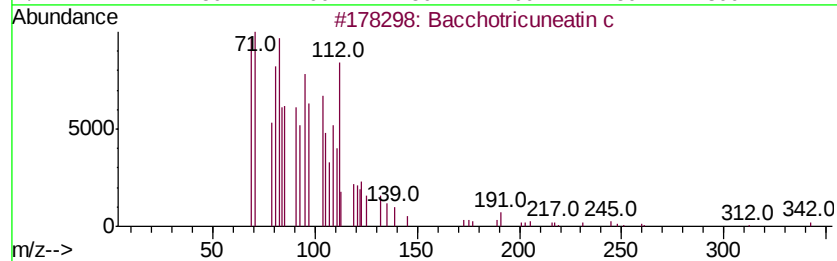
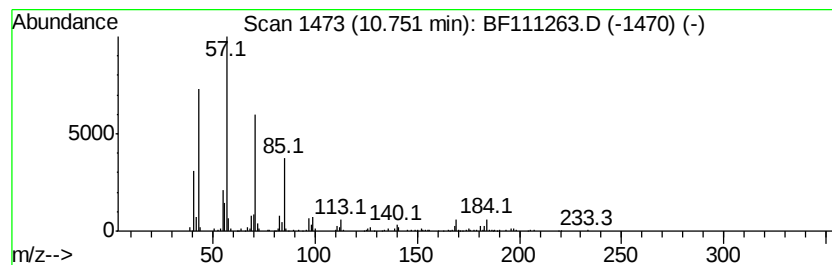
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Bacchotricuneatin c Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.75 | 2.03 ng | 258390 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID         | MW  | MolForm  | CAS#        | Qual |
|------|----|----------------------|-----|----------|-------------|------|
| 1    | 5  | Bacchotricuneatin c  | 342 | C20H22O5 | 066563-30-2 | 98   |
| 2    |    | Undecane, 2-methyl-  | 170 | C12H26   | 007045-71-8 | 83   |
| 3    |    | Tridecane, 6-methyl- | 198 | C14H30   | 013287-21-3 | 81   |
| 4    |    | Tridecane            | 184 | C13H28   | 000629-50-5 | 80   |
| 5    |    | Hexadecane           | 226 | C16H34   | 000544-76-3 | 80   |



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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

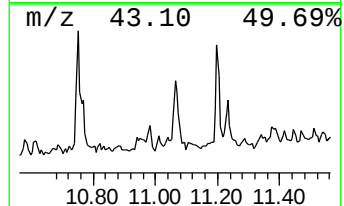
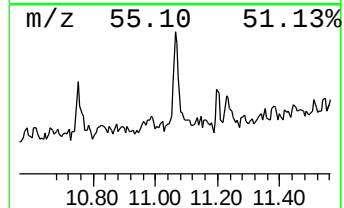
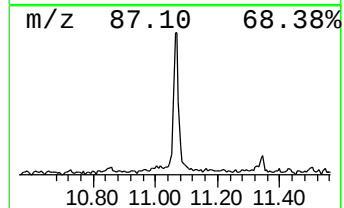
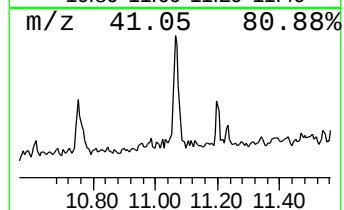
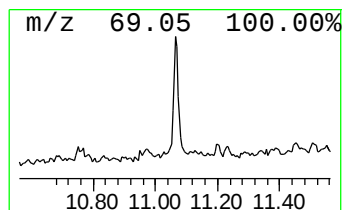
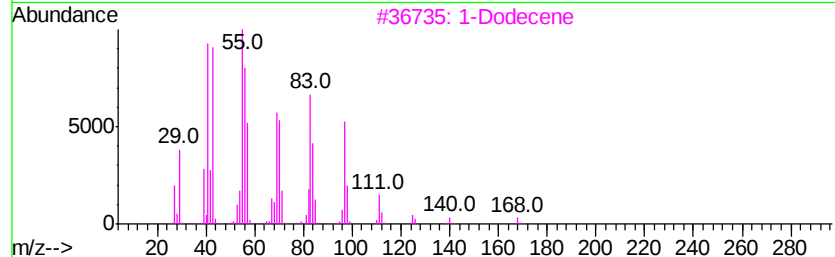
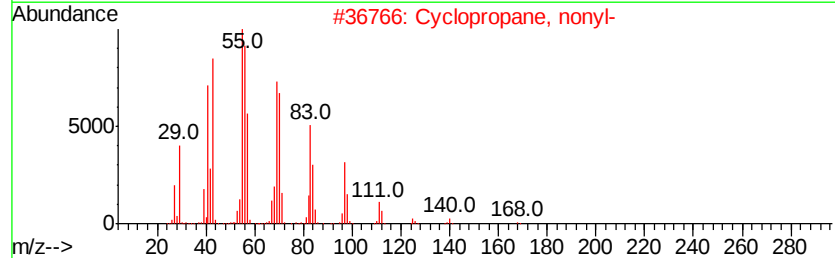
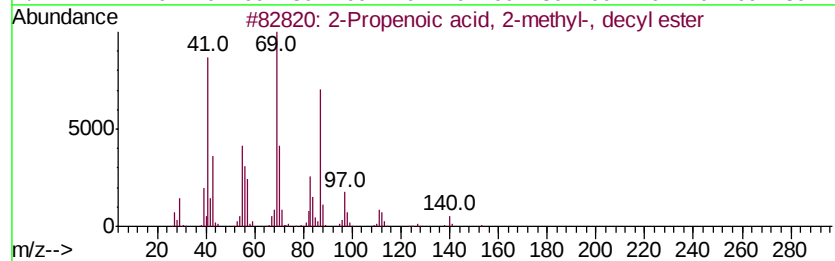
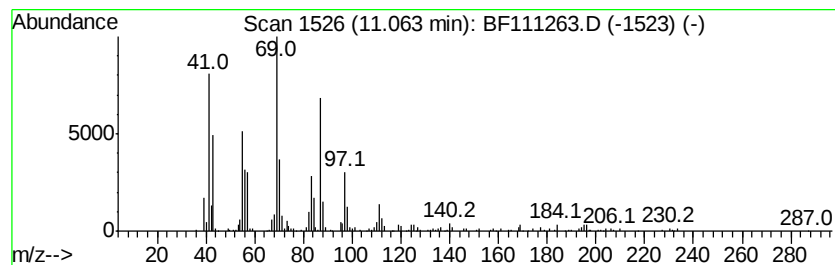
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 2-Propenoic acid, 2-methyl-... Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.06 | 2.61 ng | 332126 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Propenoic acid, 2-methyl-, dec... | 226 | C14H26O2 | 003179-47-3 | 87   |
| 2    |    | Cyclopropane, nonyl-                | 168 | C12H24   | 074663-85-7 | 49   |
| 3    |    | 1-Dodecene                          | 168 | C12H24   | 000112-41-4 | 42   |
| 4    |    | 3-Tetradecene, (E)-                 | 196 | C14H28   | 041446-68-8 | 42   |
| 5    |    | 1-Tetradecene                       | 196 | C14H28   | 001120-36-1 | 42   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\  
Data File : BF111263.D  
Acq On : 11 Dec 2018 00:54  
Operator : JU/SJ  
Sample : J6196-01 2X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

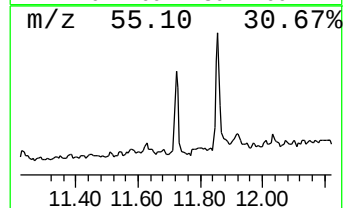
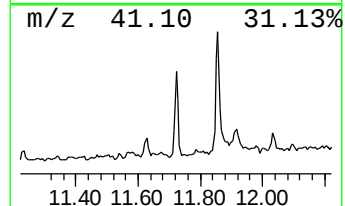
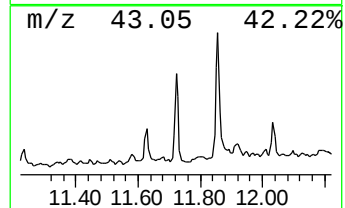
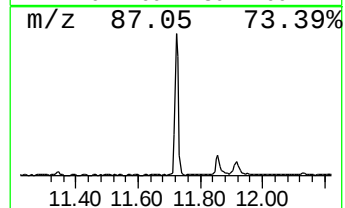
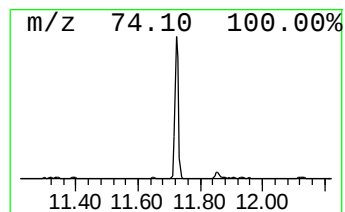
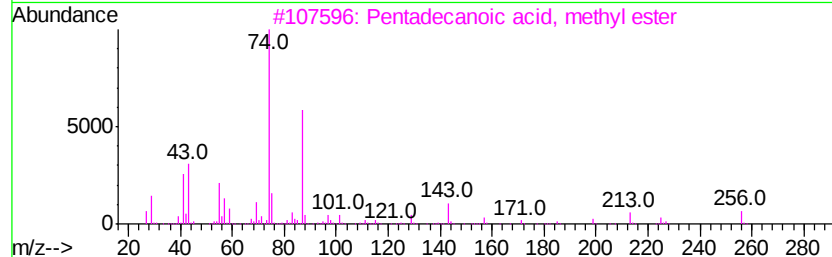
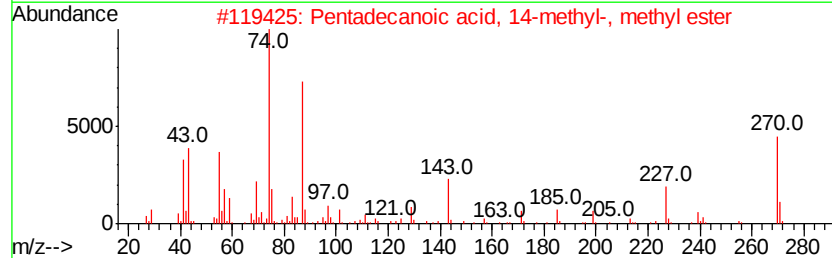
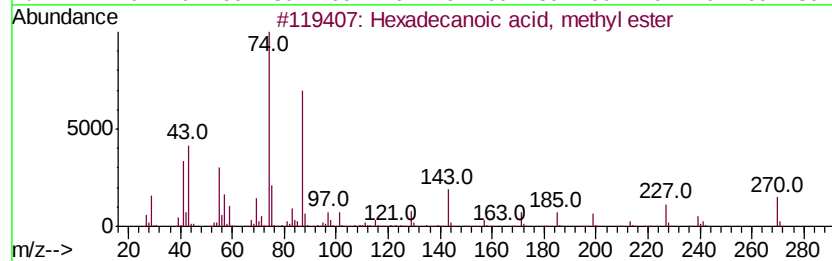
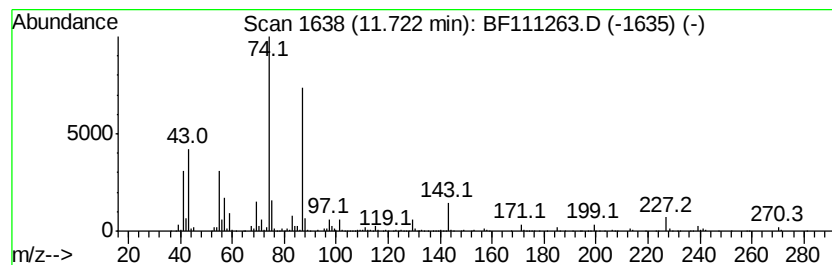
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ClientSampleId :  
EO-03-120718-A

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 6 Hexadecanoic acid, methyl e... Concentration Rank 8

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|-------------|------|
| 11.72     | 5.90 ng                             | 751154 | Phenanthrene-d10 | 11.32       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#        | Qual |
| 1         | Hexadecanoic acid, methyl ester     | 270    | C17H34O2         | 000112-39-0 | 94   |
| 2         | Pentadecanoic acid, 14-methyl-, ... | 270    | C17H34O2         | 005129-60-2 | 90   |
| 3         | Pentadecanoic acid, methyl ester    | 256    | C16H32O2         | 007132-64-1 | 90   |
| 4         | Methyl tetradecanoate               | 242    | C15H30O2         | 000124-10-7 | 86   |
| 5         | Tridecanoic acid, methyl ester      | 228    | C14H28O2         | 001731-88-0 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\  
 Data File : BF111263.D  
 Acq On : 11 Dec 2018 00:54  
 Operator : JU/SJ  
 Sample : J6196-01 2X  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-03-120718-A

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

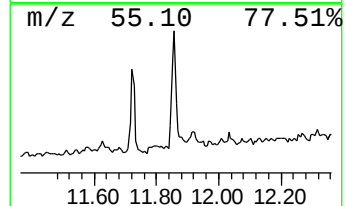
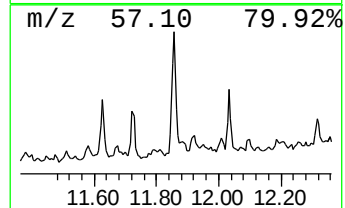
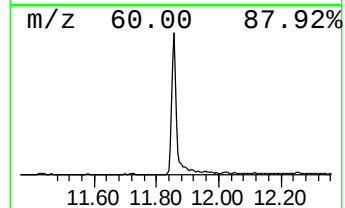
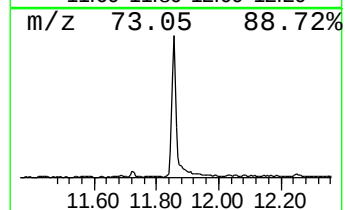
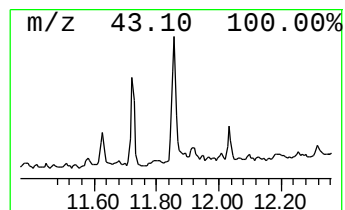
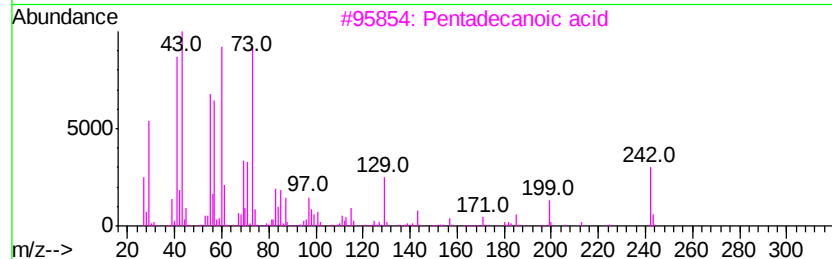
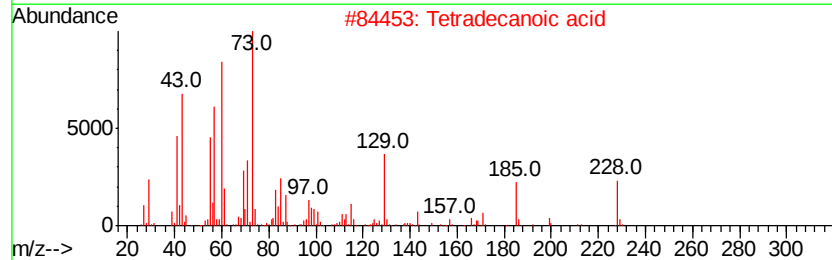
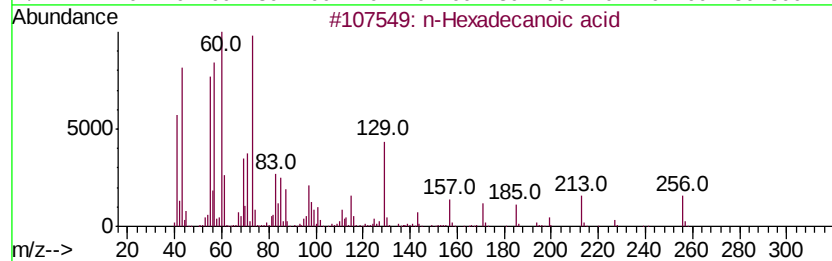
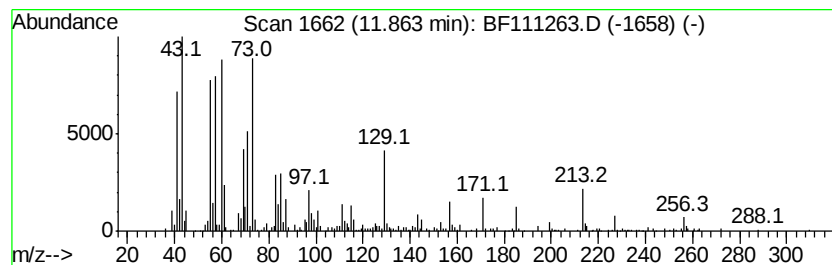
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 7 n-Hexadecanoic acid Concentration Rank 6

| R.T.  | EstConc | Area    | Relative to ISTD | R.T.  |
|-------|---------|---------|------------------|-------|
| 11.86 | 9.15 ng | 1164220 | Phenanthrene-d10 | 11.32 |

| Hit# of 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|-----------|---------------------|-----|----------|-------------|------|
| 1         | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2         | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 93   |
| 3         | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 86   |
| 4         | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 80   |
| 5         | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\  
Data File : BF111263.D  
Acq On : 11 Dec 2018 00:54  
Operator : JU/SJ  
Sample : J6196-01 2X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-120718-A

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

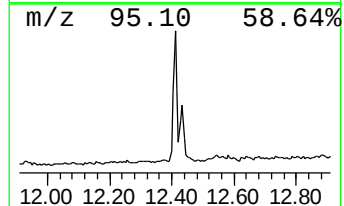
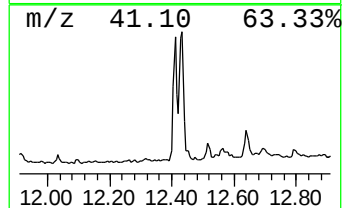
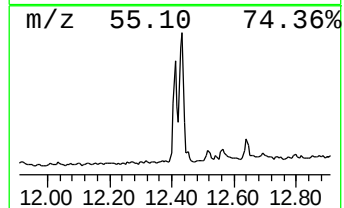
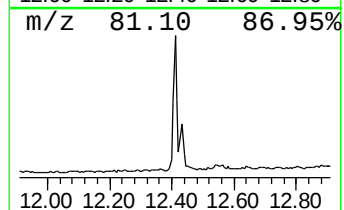
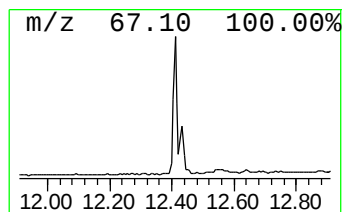
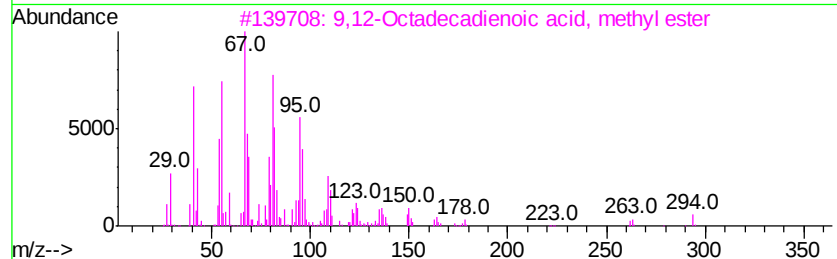
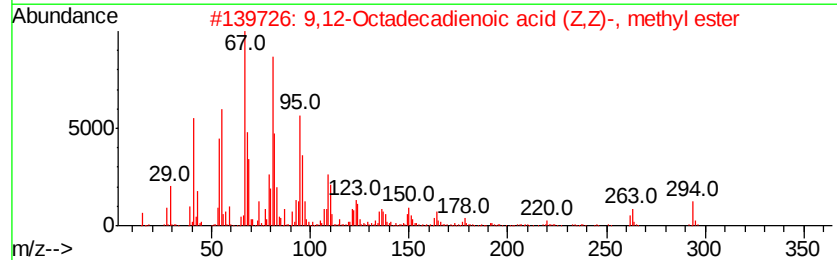
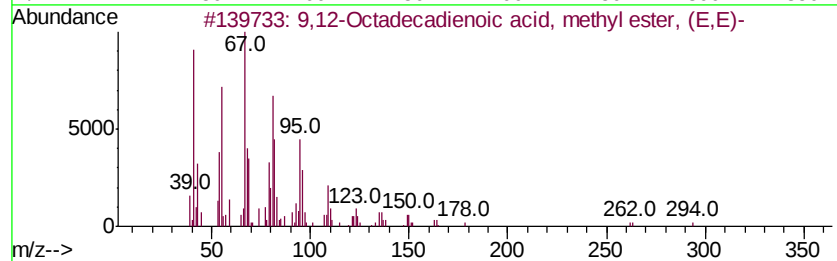
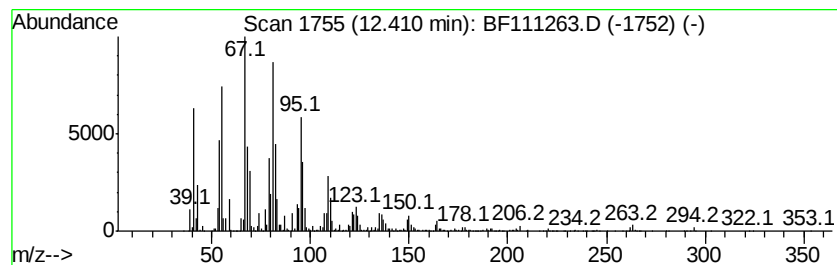
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 9,12-Octadecadienoic acid, ... Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.41 | 21.62 ng | 2750800 | 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 (Z,Z)-... | 294 | C19H34O2     | 000112-63-0 | 99      |      |      |
| 3    | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2     | 002462-85-3 | 99      |      |      |
| 4    | 9,12-Octadecadienoic acid (Z,Z)-    | 280 | C18H32O2     | 000060-33-3 | 95      |      |      |
| 5    | 2-Chloroethyl linoleate             | 342 | C20H35ClO2   | 025525-76-2 | 94      |      |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\  
Data File : BF111263.D  
Acq On : 11 Dec 2018 00:54  
Operator : JU/SJ  
Sample : J6196-01 2X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

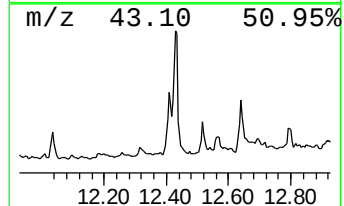
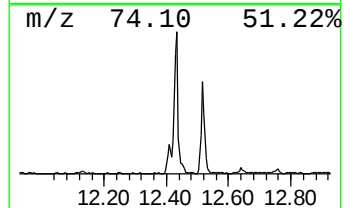
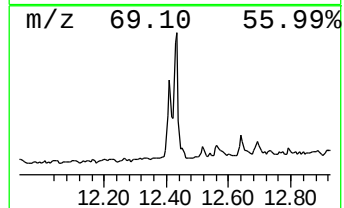
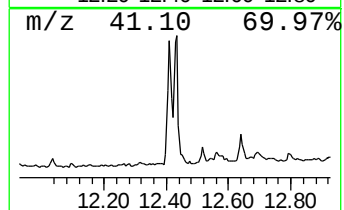
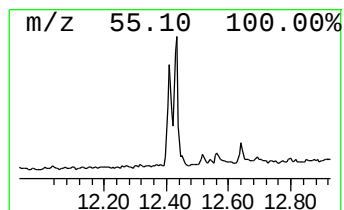
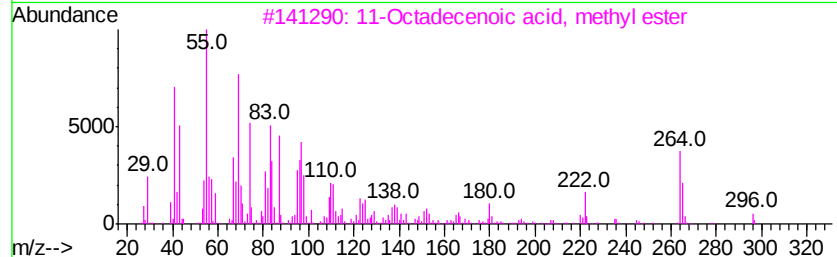
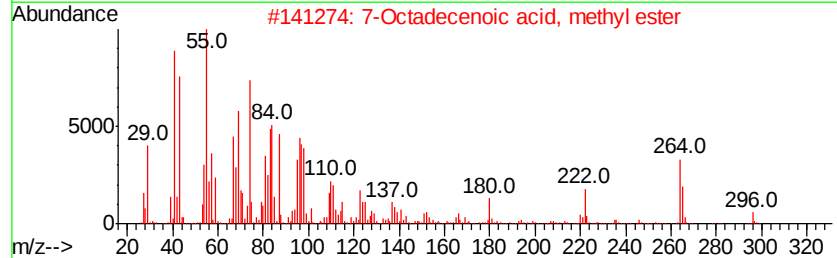
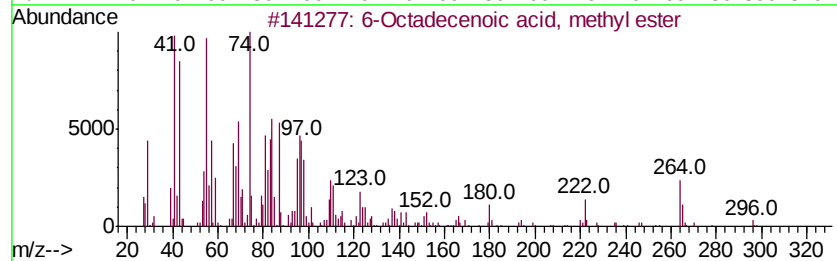
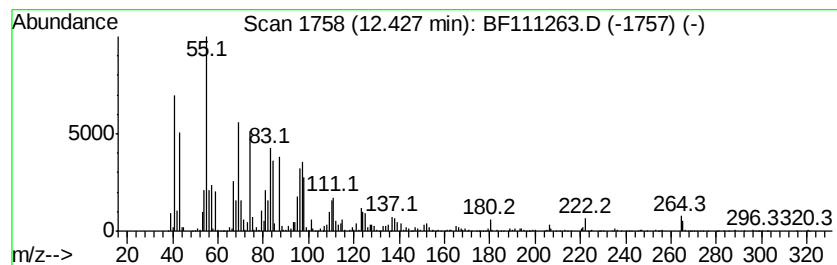
Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-120718-A

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 6-Octadecenoic acid, methyl... Concentration Rank 4

| R.T.    | EstConc                              | Area         | Relative to ISTD | R.T.        |      |      |
|---------|--------------------------------------|--------------|------------------|-------------|------|------|
| 12.43   | 17.82 ng                             | 2267250      | Phenanthrene-d10 | 11.32       |      |      |
| Hit# of | 5                                    | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | 6-Octadecenoic acid, methyl ester    | 296          | C19H36O2         | 052355-31-4 | 99   |      |
| 2       | 7-Octadecenoic acid, methyl ester    | 296          | C19H36O2         | 057396-98-2 | 99   |      |
| 3       | 11-Octadecenoic acid, methyl ester   | 296          | C19H36O2         | 052380-33-3 | 99   |      |
| 4       | 6-Octadecenoic acid, methyl ester... | 296          | C19H36O2         | 002777-58-4 | 99   |      |
| 5       | 8-Octadecenoic acid, methyl ester    | 296          | C19H36O2         | 002345-29-1 | 99   |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\  
Data File : BF111263.D  
Acq On : 11 Dec 2018 00:54  
Operator : JU/SJ  
Sample : J6196-01 2X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-120718-A

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

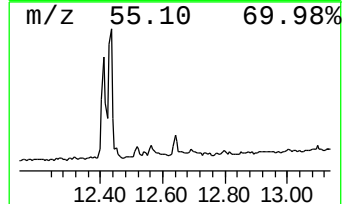
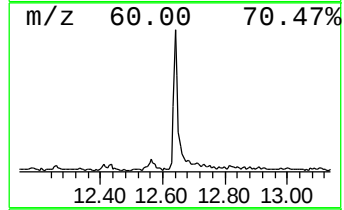
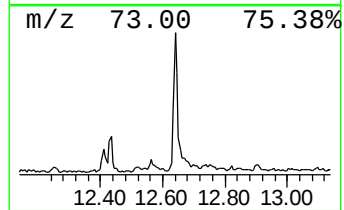
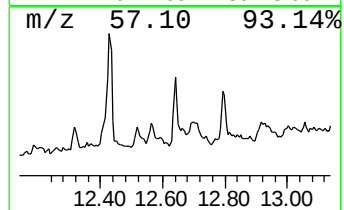
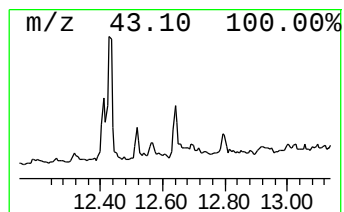
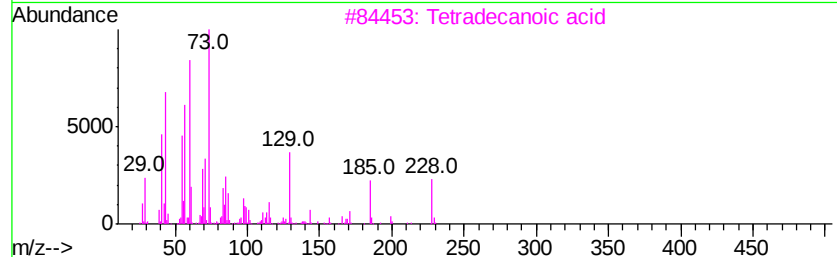
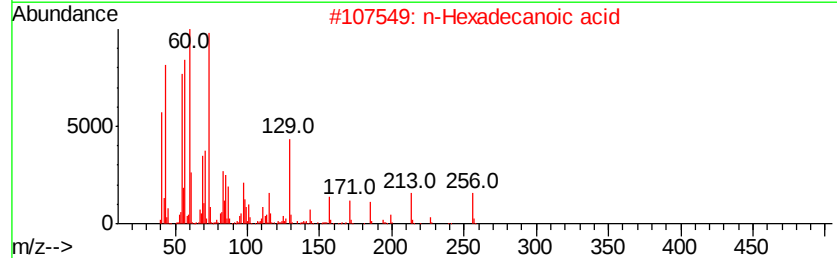
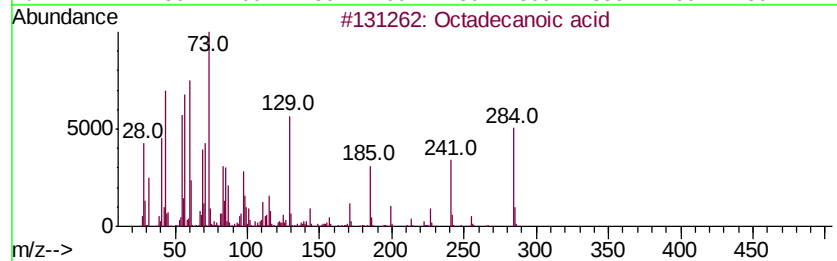
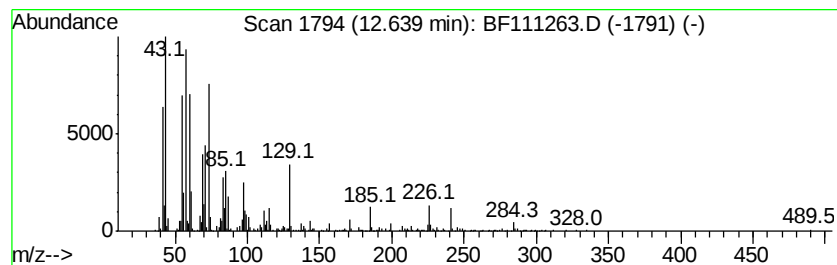
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Octadecanoic acid Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.64 | 7.17 ng | 713199 | Chrysene-d12     | 13.96 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 64   |
| 3    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 60   |
| 4    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 58   |
| 5    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\  
Data File : BF111263.D  
Acq On : 11 Dec 2018 00:54  
Operator : JU/SJ  
Sample : J6196-01 2X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

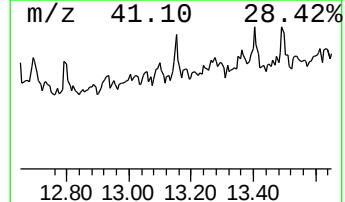
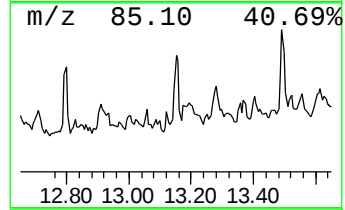
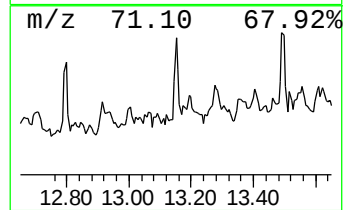
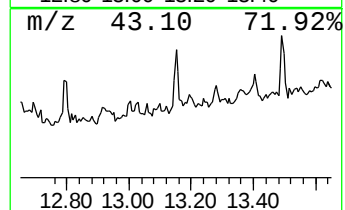
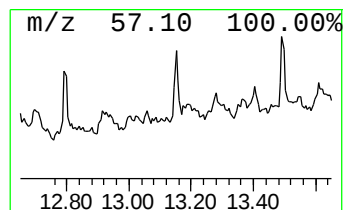
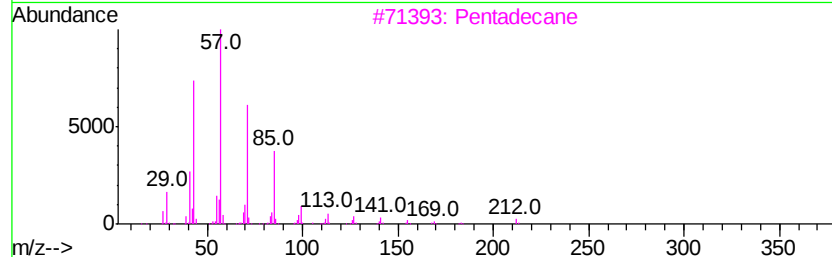
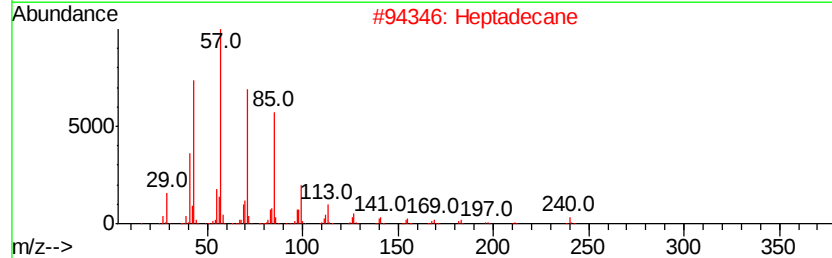
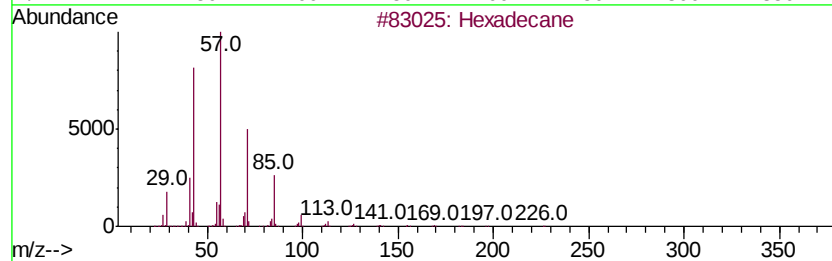
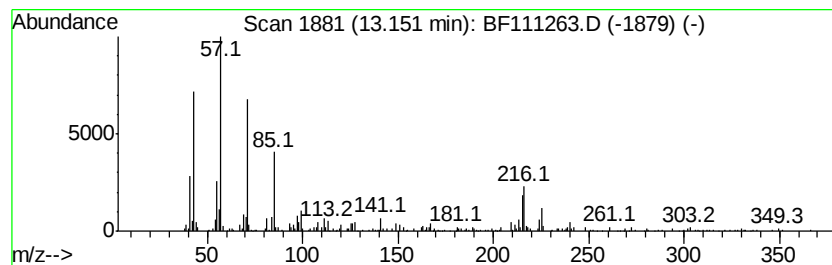
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BNA\_F  
ClientSampleId :  
EO-03-120718-A

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 11 Hexadecane Concentration Rank 11

| R.T.      | EstConc               | Area   | Relative to ISTD | R.T.        |      |
|-----------|-----------------------|--------|------------------|-------------|------|
| 13.15     | 2.53 ng               | 251565 | Chrysene-d12     | 13.96       |      |
| Hit# of 5 | Tentative ID          | MW     | MolForm          | CAS#        | Qual |
| 1         | Hexadecane            | 226    | C16H34           | 000544-76-3 | 83   |
| 2         | Heptadecane           | 240    | C17H36           | 000629-78-7 | 70   |
| 3         | Pentadecane           | 212    | C15H32           | 000629-62-9 | 64   |
| 4         | Octadecane, 2-methyl- | 268    | C19H40           | 001560-88-9 | 62   |
| 5         | Tricosane, 2-methyl-  | 338    | C24H50           | 001928-30-9 | 62   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\  
Data File : BF111263.D  
Acq On : 11 Dec 2018 00:54  
Operator : JU/SJ  
Sample : J6196-01 2X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

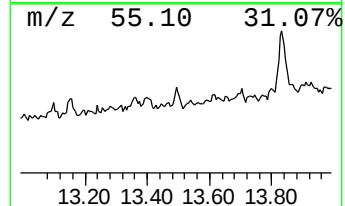
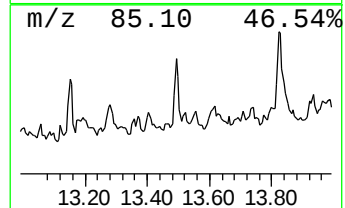
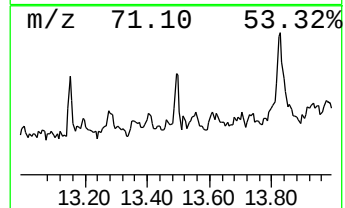
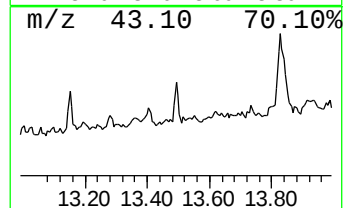
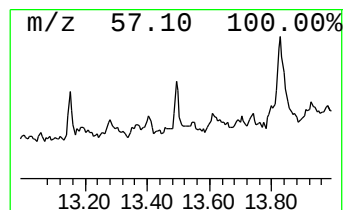
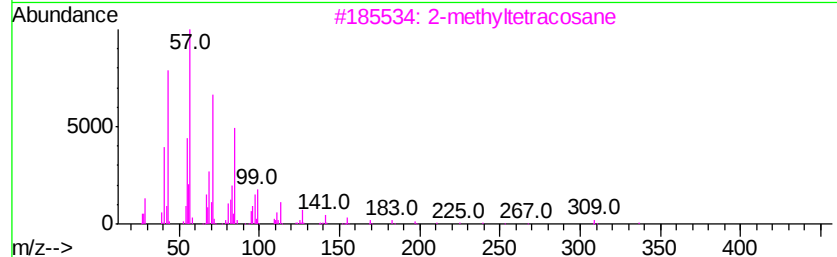
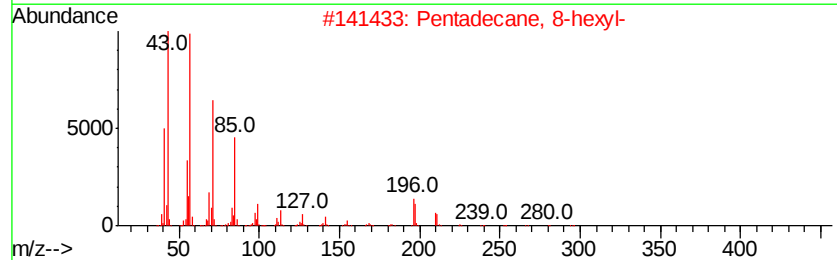
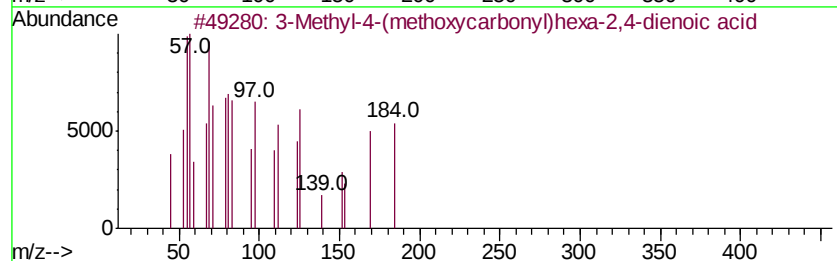
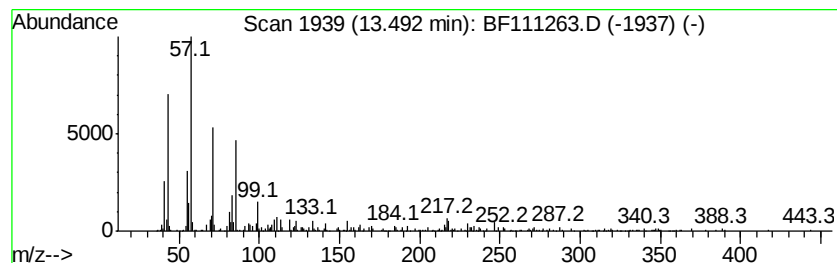
Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-120718-A

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 12 3-Methyl-4-(methoxycarbonyl... Concentration Rank 9

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.    |              |      |
|---------|---------|-------------------------------------|------------------|---------|--------------|------|
| 13.49   | 3.25 ng | 323047                              | Chrysene-d12     | 13.96   |              |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm | CAS#         | Qual |
| 1       |         | 3-Methyl-4-(methoxycarbonyl)hexa... | 184              | C9H12O4 | 1000104-10-8 | 94   |
| 2       |         | Pentadecane, 8-hexyl-               | 296              | C21H44  | 013475-75-7  | 87   |
| 3       |         | 2-methyltetracosane                 | 352              | C25H52  | 1000376-72-6 | 80   |
| 4       |         | Dodecane, 2-methyl-                 | 184              | C13H28  | 001560-97-0  | 80   |
| 5       |         | Octadecane, 1-iodo-                 | 380              | C18H37I | 000629-93-6  | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121018\  
Data File : BF111263.D  
Acq On : 11 Dec 2018 00:54  
Operator : JU/SJ  
Sample : J6196-01 2X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-120718-A

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

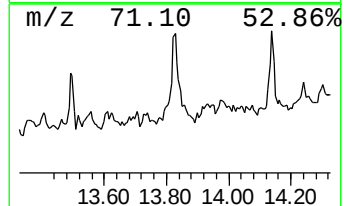
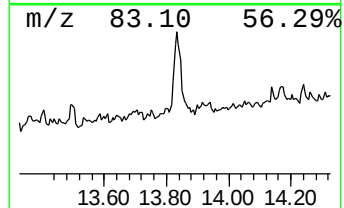
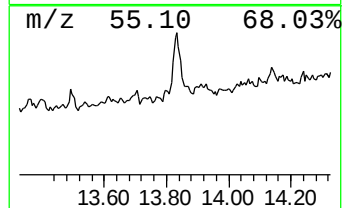
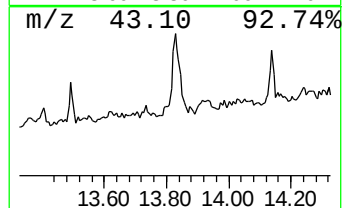
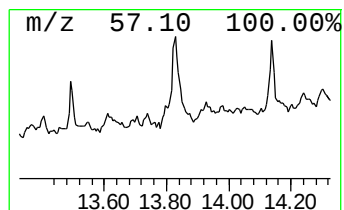
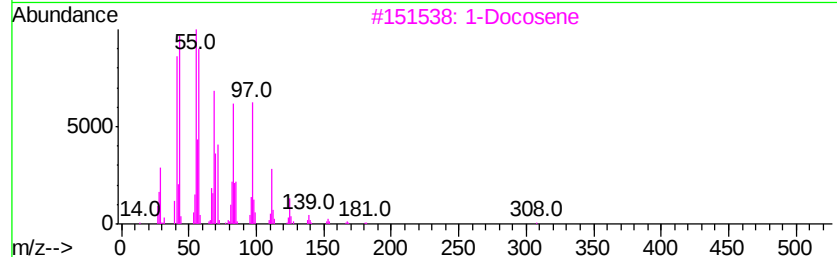
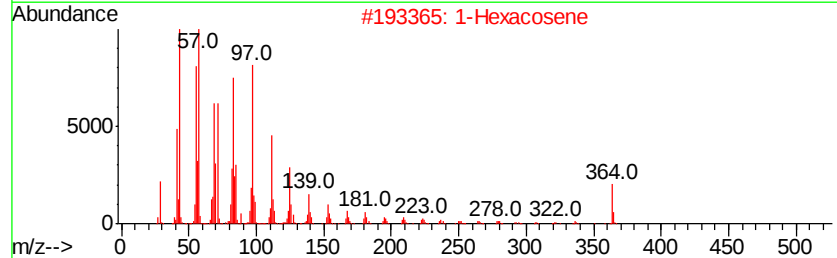
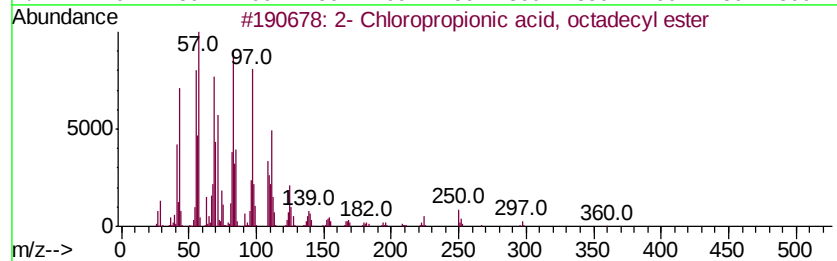
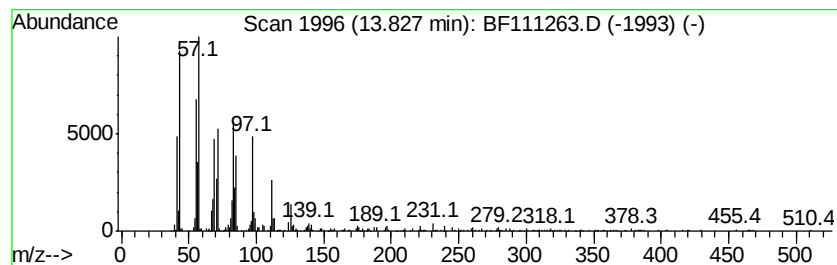
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 2- Chloropropionic acid, oc... Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.83 | 9.21 ng | 916645 | Chrysene-d12     | 13.96 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2 | 088104-31-8  | 93   |
| 2    |    | 1-Hexacosene                        | 364 | C26H52     | 018835-33-1  | 90   |
| 3    |    | 1-Docosene                          | 308 | C22H44     | 001599-67-3  | 87   |
| 4    |    | Heneicosyl heptafluorobutyrte       | 508 | C25H43F7O2 | 1000351-83-8 | 86   |
| 5    |    | 1-Heptacosanol                      | 396 | C27H56O    | 002004-39-9  | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF121018\  
Data File : BF111263.D  
Acq On : 11 Dec 2018 00:54  
Operator : JU/SJ  
Sample : J6196-01 2X  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-120718-A

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 |
| 2-Pentanone, 4-hy... | 5.00  | 2.4     | ng    | 335752   | 1                     | 6.80  | 2802780 | 20.0 |
| unknown6.57          | 6.57  | 38.3    | ng    | 5371580  | 1                     | 6.80  | 2802780 | 20.0 |
| Bacchotricuneatin c  | 10.75 | 2.0     | ng    | 258390   | 4                     | 11.32 | 2544840 | 20.0 |
| 2-Propenoic acid,... | 11.06 | 2.6     | ng    | 332126   | 4                     | 11.32 | 2544840 | 20.0 |
| Hexadecanoic acid... | 11.72 | 5.9     | ng    | 751154   | 4                     | 11.32 | 2544840 | 20.0 |
| n-Hexadecanoic acid  | 11.86 | 9.2     | ng    | 1164220  | 4                     | 11.32 | 2544840 | 20.0 |
| 9,12-Octadecadien... | 12.41 | 21.6    | ng    | 2750800  | 4                     | 11.32 | 2544840 | 20.0 |
| 6-Octadecenoic ac... | 12.43 | 17.8    | ng    | 2267250  | 4                     | 11.32 | 2544840 | 20.0 |
| Octadecanoic acid    | 12.64 | 7.2     | ng    | 713199   | 5                     | 13.96 | 1989820 | 20.0 |
| Hexadecane           | 13.15 | 2.5     | ng    | 251565   | 5                     | 13.96 | 1989820 | 20.0 |
| 3-Methyl-4-(metho... | 13.49 | 3.3     | ng    | 323047   | 5                     | 13.96 | 1989820 | 20.0 |
| 2-Chloropropioni...  | 13.83 | 9.2     | ng    | 916645   | 5                     | 13.96 | 1989820 | 20.0 |