

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
 Data File : BF101451.D  
 Acq On : 15 Dec 2017 19:00  
 Operator : SJ/JU  
 Sample : I6679-03 5X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-121317-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:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.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         | 5.016       | 496           | 498         | 518          | rVB      | 75283          | 132186        | 1.82%           | 0.356%        |
| 2         | 5.428       | 565           | 568         | 591          | rBV      | 571394         | 877558        | 12.06%          | 2.365%        |
| 3         | 6.451       | 739           | 742         | 754          | rBV      | 624391         | 921088        | 12.66%          | 2.482%        |
| 4         | 6.586       | 761           | 765         | 770          | rVV      | 850364         | 875870        | 12.04%          | 2.361%        |
| 5         | 6.634       | 770           | 773         | 780          | rVB      | 166358         | 172414        | 2.37%           | 0.465%        |
| 6         | 6.810       | 800           | 803         | 810          | rBV      | 1077267        | 1061692       | 14.60%          | 2.861%        |
| 7         | 6.969       | 824           | 830         | 838          | rBV      | 728035         | 755518        | 10.39%          | 2.036%        |
| 8         | 7.081       | 843           | 849         | 852          | rBV3     | 56085          | 88533         | 1.22%           | 0.239%        |
| 9         | 7.139       | 855           | 859         | 863          | rVB2     | 64244          | 87662         | 1.21%           | 0.236%        |
| 10        | 7.339       | 888           | 893         | 897          | rBV2     | 61615          | 77560         | 1.07%           | 0.209%        |
| 11        | 7.381       | 897           | 900         | 902          | rVV      | 455261         | 479719        | 6.59%           | 1.293%        |
| 12        | 7.398       | 902           | 903         | 907          | rVV      | 383564         | 273782        | 3.76%           | 0.738%        |
| 13        | 7.451       | 907           | 912         | 915          | rVB4     | 51492          | 80132         | 1.10%           | 0.216%        |
| 14        | 7.704       | 949           | 955         | 957          | rBV4     | 55374          | 83129         | 1.14%           | 0.224%        |
| 15        | 7.769       | 963           | 966         | 969          | rVB2     | 74017          | 74811         | 1.03%           | 0.202%        |
| 16        | 7.833       | 974           | 977         | 980          | rBV2     | 145880         | 130832        | 1.80%           | 0.353%        |
| 17        | 8.069       | 1013          | 1017        | 1019         | rBV      | 462990         | 403597        | 5.55%           | 1.088%        |
| 18        | 8.098       | 1019          | 1022        | 1027         | rVV      | 1346711        | 1370951       | 18.85%          | 3.695%        |
| 19        | 8.145       | 1027          | 1030        | 1033         | rVV2     | 211175         | 208525        | 2.87%           | 0.562%        |
| 20        | 8.175       | 1033          | 1035        | 1043         | rVB7     | 66114          | 99963         | 1.37%           | 0.269%        |
| 21        | 8.380       | 1066          | 1070        | 1075         | rVB5     | 128935         | 161863        | 2.23%           | 0.436%        |
| 22        | 8.463       | 1082          | 1084        | 1088         | rVB3     | 80313          | 86917         | 1.19%           | 0.234%        |
| 23        | 8.504       | 1088          | 1091        | 1093         | rBV      | 239916         | 183454        | 2.52%           | 0.494%        |
| 24        | 8.598       | 1103          | 1107        | 1109         | rBV2     | 133440         | 119501        | 1.64%           | 0.322%        |
| 25        | 8.675       | 1117          | 1120        | 1124         | rBV      | 596409         | 479265        | 6.59%           | 1.292%        |
| 26        | 8.916       | 1158          | 1161        | 1163         | rBV      | 128502         | 103818        | 1.43%           | 0.280%        |
| 27        | 8.957       | 1166          | 1168        | 1172         | rVV4     | 79556          | 102152        | 1.40%           | 0.275%        |
| 28        | 8.992       | 1172          | 1174        | 1179         | rVB3     | 68757          | 102109        | 1.40%           | 0.275%        |
| 29        | 9.039       | 1179          | 1182        | 1184         | rBV2     | 128236         | 116881        | 1.61%           | 0.315%        |
| 30        | 9.104       | 1191          | 1193        | 1196         | rBV      | 218048         | 160321        | 2.20%           | 0.432%        |
| 31        | 9.169       | 1200          | 1204        | 1208         | rBV      | 1088457        | 952426        | 13.09%          | 2.567%        |
| 32        | 9.239       | 1213          | 1216        | 1220         | rBV      | 634568         | 554683        | 7.63%           | 1.495%        |
| 33        | 9.316       | 1227          | 1229        | 1232         | rVB3     | 88223          | 82930         | 1.14%           | 0.224%        |
| 34        | 9.498       | 1254          | 1260        | 1261         | rBV4     | 69440          | 106517        | 1.46%           | 0.287%        |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
 Data File : BF101451.D  
 Acq On : 15 Dec 2017 19:00  
 Operator : SJ/JU  
 Sample : I6679-03 5X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-121317-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:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 9.563  | 1266 | 1271 | 1273 | rBV4 | 217187  | 276132  | 3.80%   | 0.744%  |
| 36 | 9.769  | 1303 | 1306 | 1310 | rVB  | 495623  | 429124  | 5.90%   | 1.157%  |
| 37 | 9.851  | 1317 | 1320 | 1324 | rBV  | 1352939 | 1199378 | 16.49%  | 3.232%  |
| 38 | 10.092 | 1358 | 1361 | 1365 | rBV3 | 102679  | 124558  | 1.71%   | 0.336%  |
| 39 | 10.269 | 1385 | 1391 | 1394 | rBV  | 467897  | 406611  | 5.59%   | 1.096%  |
| 40 | 10.404 | 1412 | 1414 | 1423 | rVB5 | 46247   | 77829   | 1.07%   | 0.210%  |
| 41 | 10.486 | 1423 | 1428 | 1431 | rBV  | 140127  | 183387  | 2.52%   | 0.494%  |
| 42 | 10.651 | 1452 | 1456 | 1464 | rBV  | 376956  | 478877  | 6.58%   | 1.291%  |
| 43 | 10.745 | 1469 | 1472 | 1481 | rVB  | 374307  | 465891  | 6.40%   | 1.256%  |
| 44 | 11.192 | 1545 | 1548 | 1550 | rBV  | 285295  | 232262  | 3.19%   | 0.626%  |
| 45 | 11.221 | 1550 | 1553 | 1555 | rVB  | 88250   | 81730   | 1.12%   | 0.220%  |
| 46 | 11.345 | 1570 | 1574 | 1576 | rBV  | 1285509 | 1177064 | 16.18%  | 3.172%  |
| 47 | 11.369 | 1576 | 1578 | 1583 | rVB  | 260159  | 243169  | 3.34%   | 0.655%  |
| 48 | 11.616 | 1617 | 1620 | 1623 | rBV  | 212846  | 168723  | 2.32%   | 0.455%  |
| 49 | 11.721 | 1634 | 1638 | 1642 | rVB  | 3170603 | 2816002 | 38.71%  | 7.589%  |
| 50 | 12.021 | 1686 | 1689 | 1692 | rBV  | 161323  | 156723  | 2.15%   | 0.422%  |
| 51 | 12.421 | 1750 | 1757 | 1758 | rBV2 | 5170839 | 7274330 | 100.00% | 19.605% |
| 52 | 12.439 | 1758 | 1760 | 1765 | rVV2 | 4968944 | 4829487 | 66.39%  | 13.016% |
| 53 | 12.515 | 1769 | 1773 | 1776 | rVB  | 1485499 | 1240759 | 17.06%  | 3.344%  |
| 54 | 12.563 | 1777 | 1781 | 1785 | rBV  | 363362  | 386748  | 5.32%   | 1.042%  |
| 55 | 12.792 | 1815 | 1820 | 1826 | rVB2 | 323426  | 440555  | 6.06%   | 1.187%  |
| 56 | 12.927 | 1839 | 1843 | 1846 | rBV  | 741811  | 660503  | 9.08%   | 1.780%  |
| 57 | 13.239 | 1893 | 1896 | 1898 | rVB2 | 124474  | 106791  | 1.47%   | 0.288%  |
| 58 | 13.810 | 1991 | 1993 | 1998 | rVB  | 109836  | 110758  | 1.52%   | 0.298%  |
| 59 | 13.904 | 2006 | 2009 | 2013 | rBV  | 134761  | 153709  | 2.11%   | 0.414%  |
| 60 | 13.992 | 2020 | 2024 | 2027 | rBV  | 999205  | 1035168 | 14.23%  | 2.790%  |
| 61 | 15.468 | 2271 | 2275 | 2284 | rVB  | 558639  | 780243  | 10.73%  | 2.103%  |

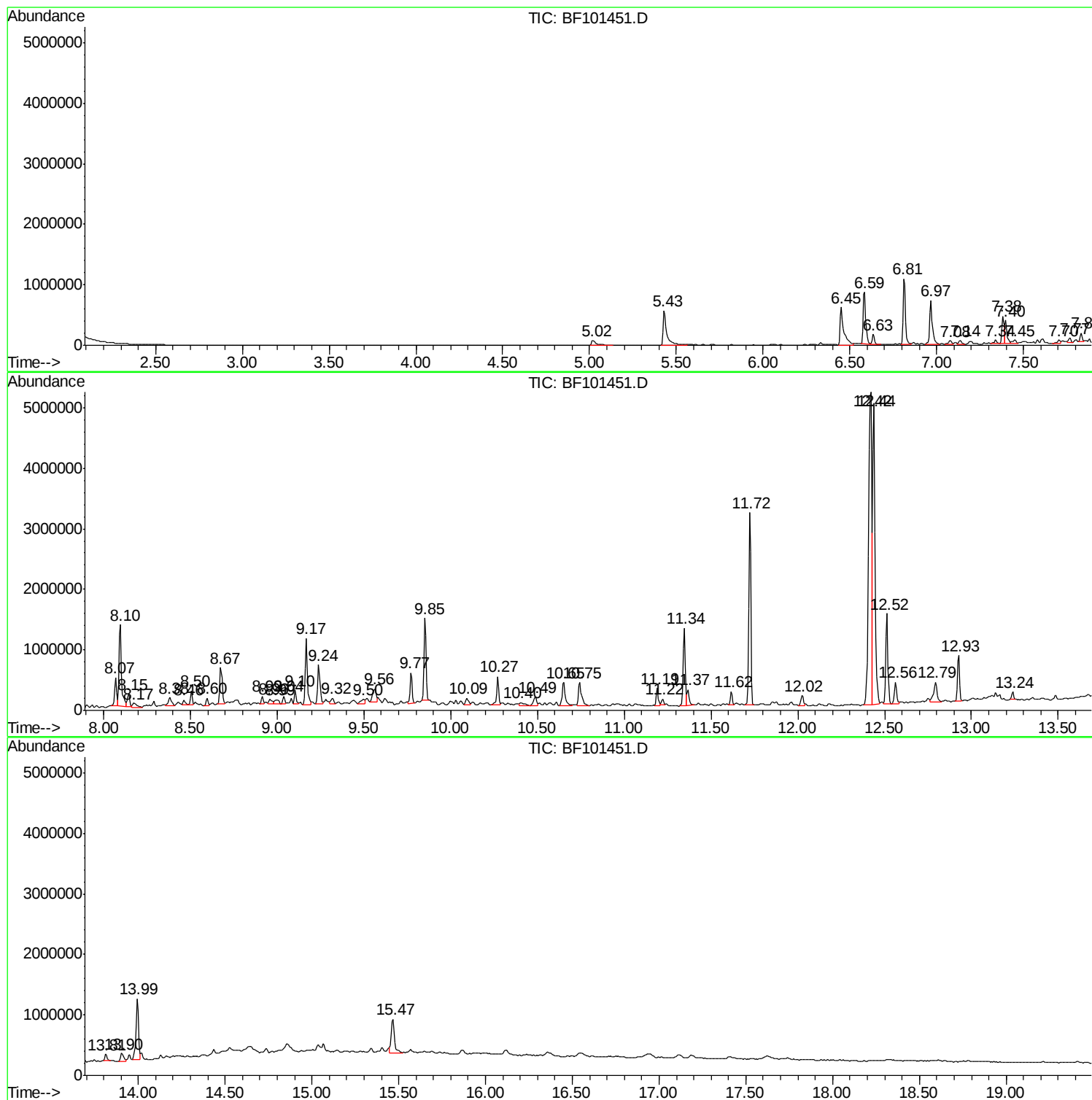
Sum of corrected areas: 37104870

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
Data File : BF101451.D  
Acq On : 15 Dec 2017 19:00  
Operator : SJ/JU  
Sample : I6679-03 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-121317-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
Data File : BF101451.D  
Acq On : 15 Dec 2017 19:00  
Operator : SJ/JU  
Sample : I6679-03 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

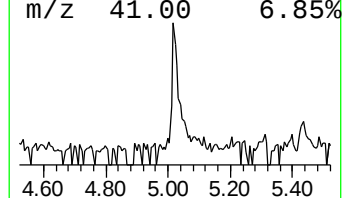
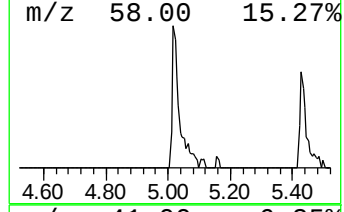
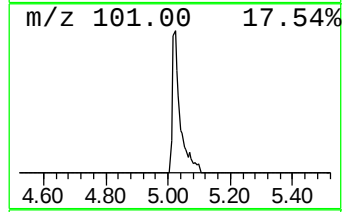
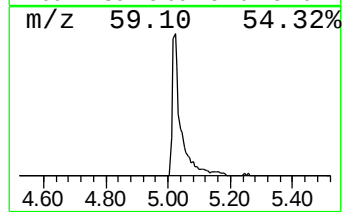
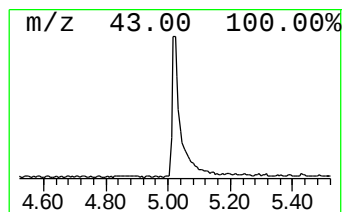
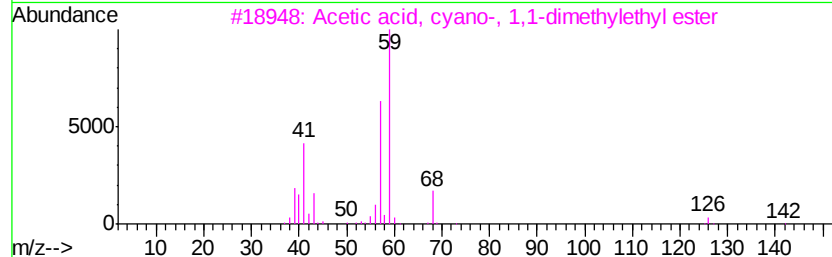
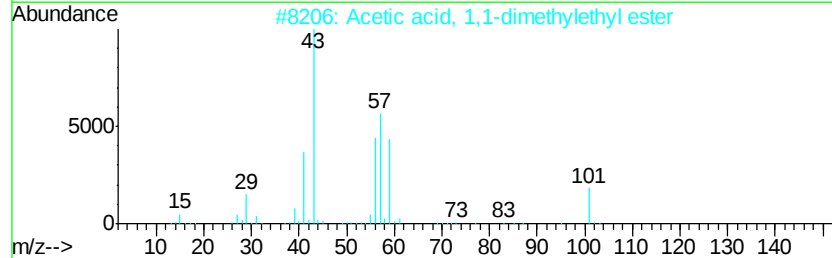
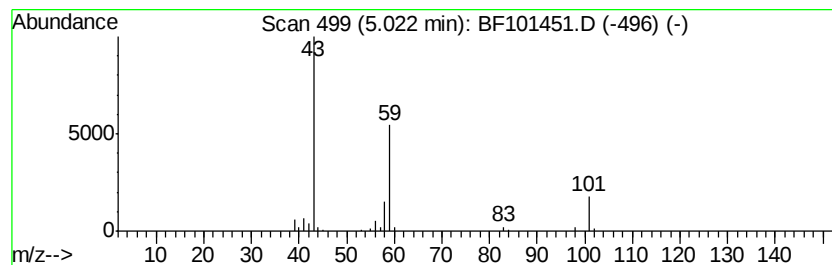
Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-121317-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 19

| R.T.      | EstConc                             | Area   | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|--------|------------------------|-------------|------|
| 5.02      | 2.49 ng                             | 132186 | 1,4-Dichlorobenzene-d4 | 6.81        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm                | CAS#        | Qual |
| 1         | 2-Pentanone, 4-hydroxy-4-methyl-    | 116    | C6H12O2                | 000123-42-2 | 59   |
| 2         | Acetic acid, 1,1-dimethylethyl e... | 116    | C6H12O2                | 000540-88-5 | 38   |
| 3         | Acetic acid, cyano-, 1,1-dimethy... | 141    | C7H11NO2               | 001116-98-9 | 25   |
| 4         | Propane, 2-ethoxy-2-methyl-         | 102    | C6H14O                 | 000637-92-3 | 23   |
| 5         | 2,3-Butanedione, monooxime          | 101    | C4H7NO2                | 000057-71-6 | 10   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
Data File : BF101451.D  
Acq On : 15 Dec 2017 19:00  
Operator : SJ/JU  
Sample : I6679-03 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-121317-A

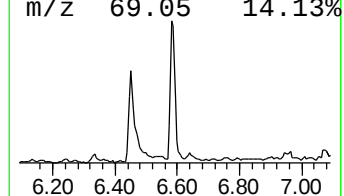
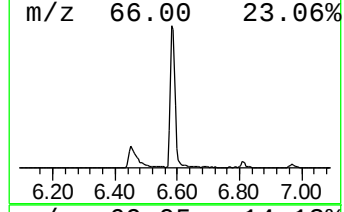
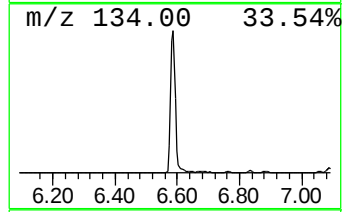
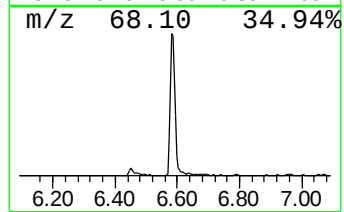
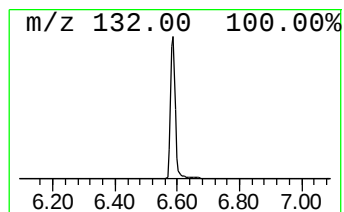
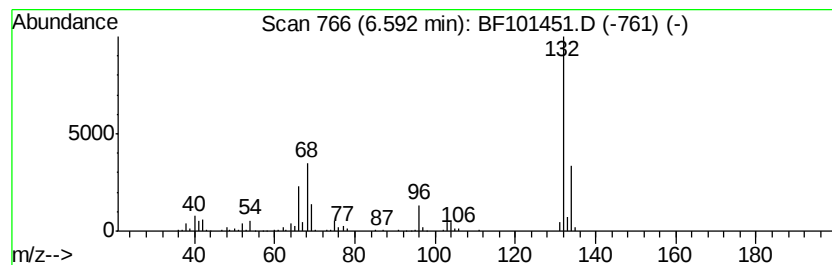
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 unknown6.59 Concentration Rank 4

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.59 | 16.50 ng | 875870 | 1,4-Dichlorobenzene-d4 | 6.81 |

| 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  | 17   |
| 3    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
Data File : BF101451.D  
Acq On : 15 Dec 2017 19:00  
Operator : SJ/JU  
Sample : I6679-03 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-121317-A

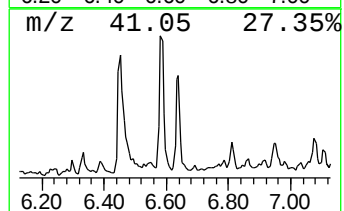
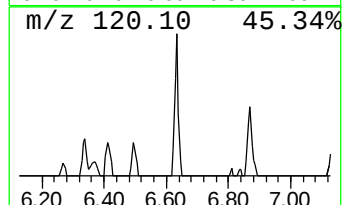
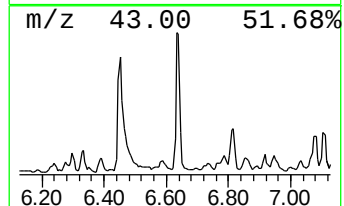
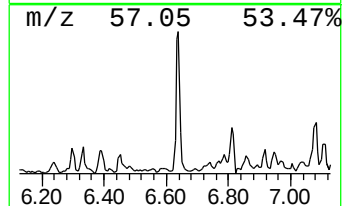
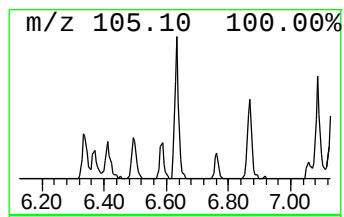
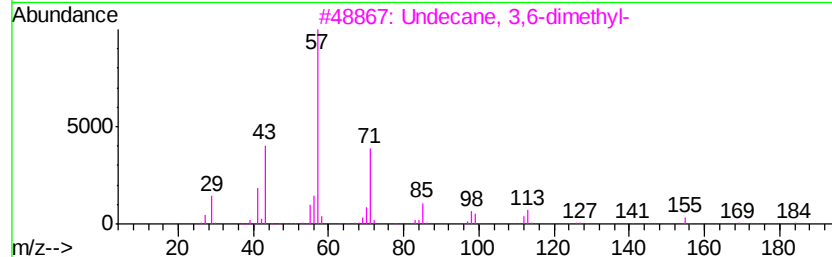
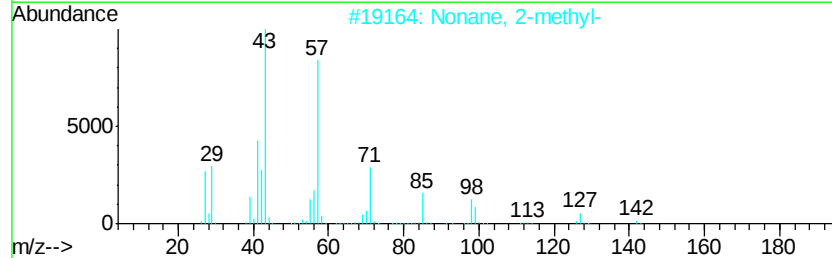
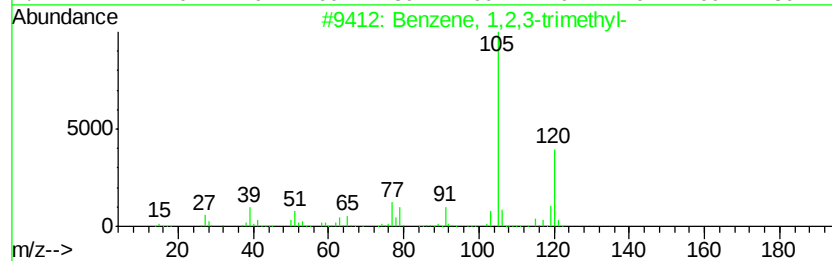
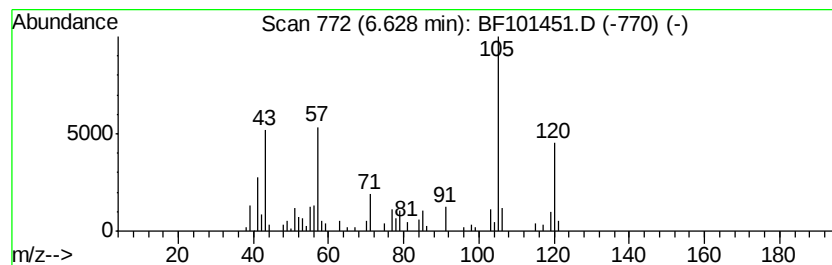
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 13

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 6.63 | 3.25 ng | 172414 | 1,4-Dichlorobenzene-d4 | 6.81 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 70   |
| 2    |    | Nonane, 2-methyl-          | 142 | C10H22  | 000871-83-0 | 49   |
| 3    |    | Undecane, 3,6-dimethyl-    | 184 | C13H28  | 017301-28-9 | 38   |
| 4    |    | Decane, 2,3,6-trimethyl-   | 184 | C13H28  | 062238-12-4 | 35   |
| 5    |    | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 35   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
Data File : BF101451.D  
Acq On : 15 Dec 2017 19:00  
Operator : SJ/JU  
Sample : I6679-03 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-121317-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

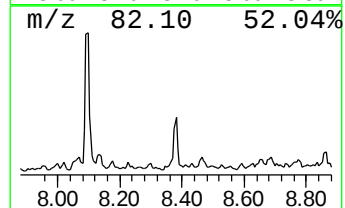
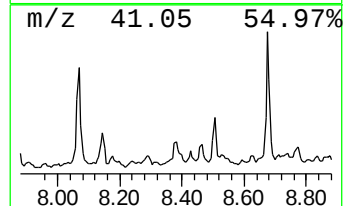
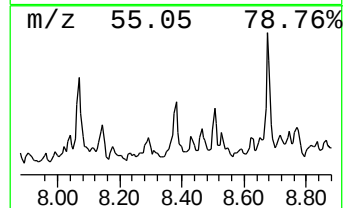
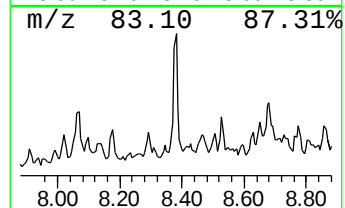
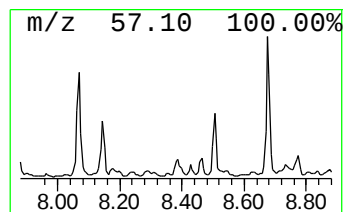
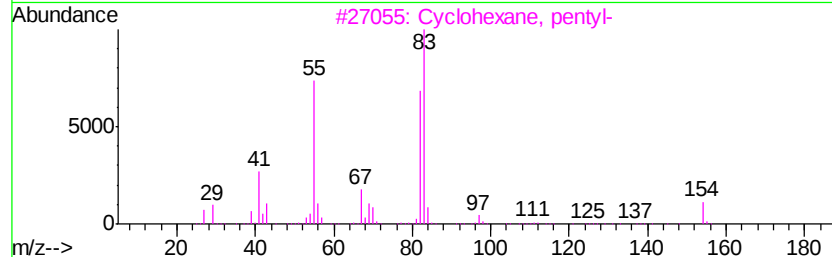
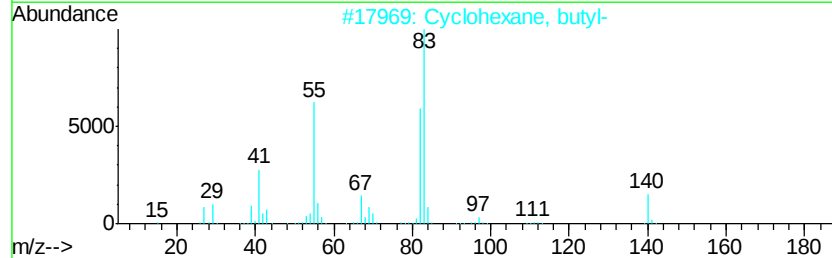
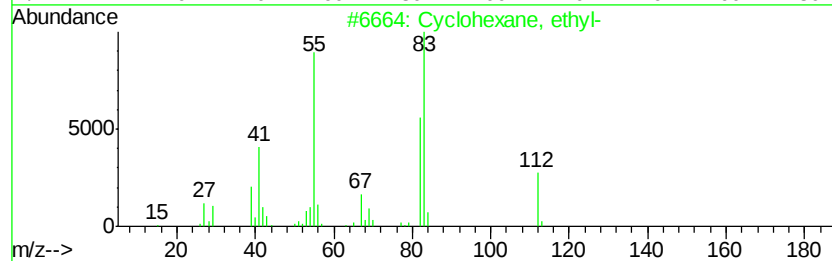
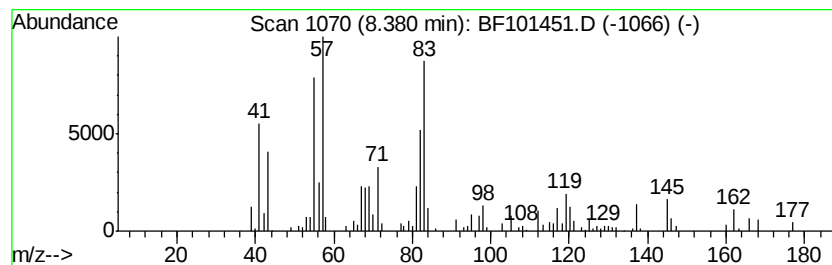
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 unknown8.38 Concentration Rank 20

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.38 | 2.36 ng | 161863 | Naphthalene-d8   | 8.10 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, ethyl-      | 112 | C8H16   | 001678-91-7 | 47   |
| 2    |    | Cyclohexane, butyl-      | 140 | C10H20  | 001678-93-9 | 43   |
| 3    |    | Cyclohexane, pentyl-     | 154 | C11H22  | 004292-92-6 | 43   |
| 4    |    | Cyclohexane, 2-propenyl- | 124 | C9H16   | 002114-42-3 | 43   |
| 5    |    | Cyclohexane, hexyl-      | 168 | C12H24  | 004292-75-5 | 43   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
Data File : BF101451.D  
Acq On : 15 Dec 2017 19:00  
Operator : SJ/JU  
Sample : I6679-03 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-121317-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

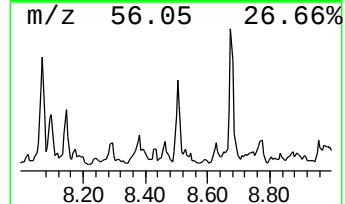
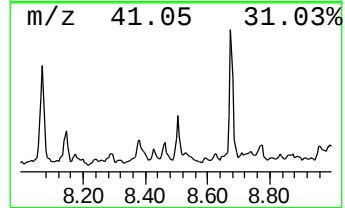
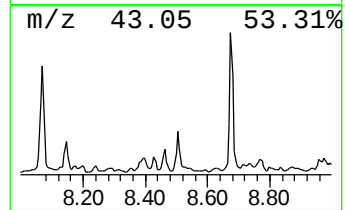
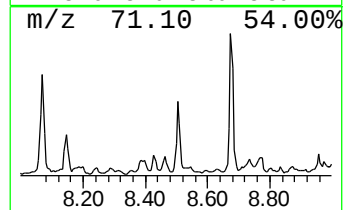
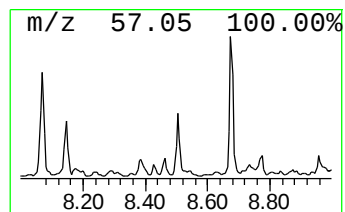
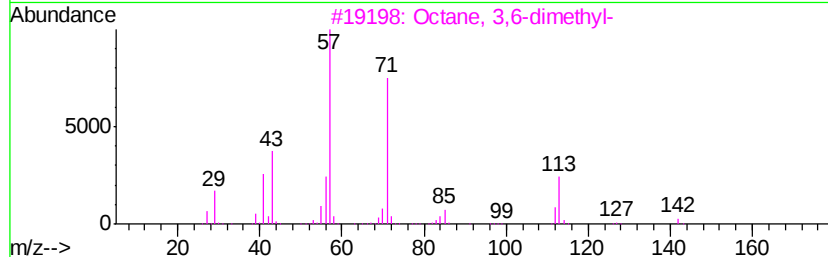
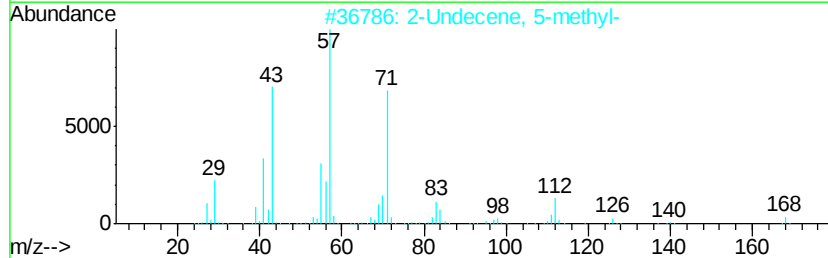
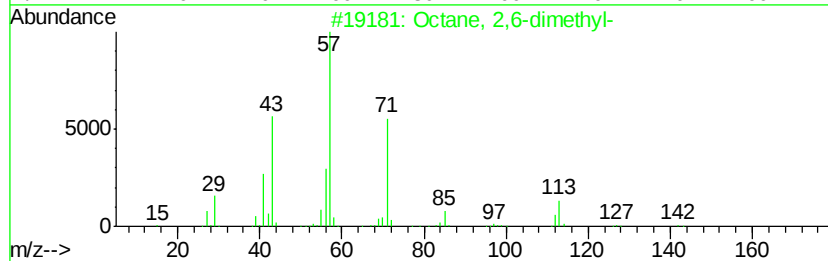
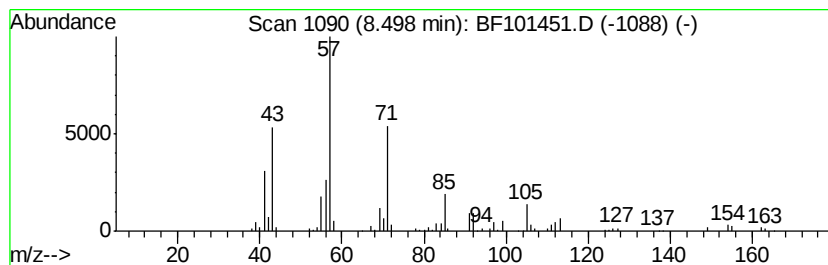
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Octane, 2,6-dimethyl- Concentration Rank 16

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.50 | 2.68 ng | 183454 | Napthalene-d8    | 8.10 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Octane, 2,6-dimethyl-               | 142 | C10H22    | 002051-30-1  | 72   |
| 2    |    | 2-Undecene, 5-methyl-               | 168 | C12H24    | 056851-34-4  | 64   |
| 3    |    | Octane, 3,6-dimethyl-               | 142 | C10H22    | 015869-94-0  | 64   |
| 4    |    | Dodecane, 4,6-dimethyl-             | 198 | C14H30    | 061141-72-8  | 64   |
| 5    |    | Sulfurous acid, dodecyl 2-ethylh... | 362 | C20H42O3S | 1000309-19-5 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
Data File : BF101451.D  
Acq On : 15 Dec 2017 19:00  
Operator : SJ/JU  
Sample : I6679-03 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-121317-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

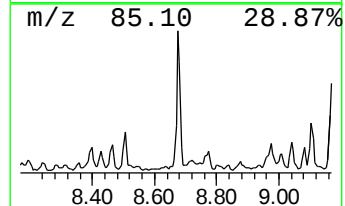
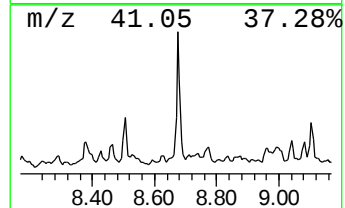
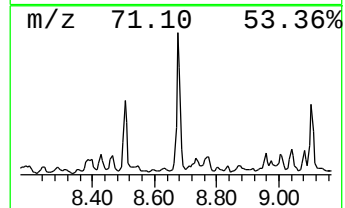
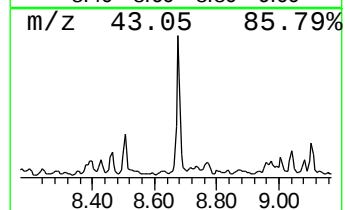
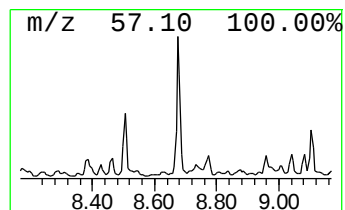
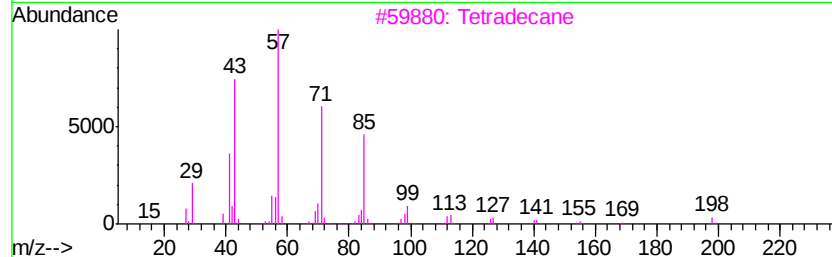
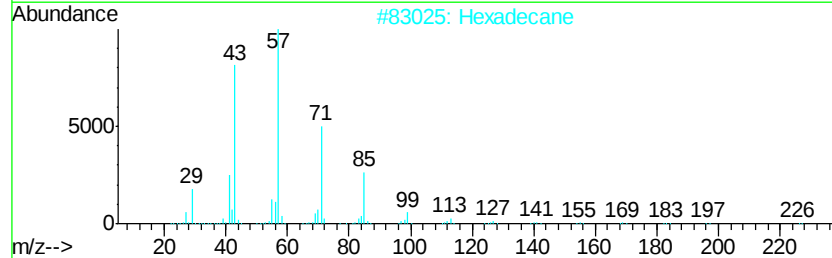
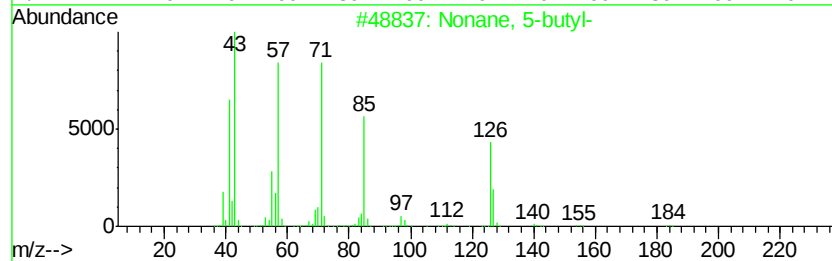
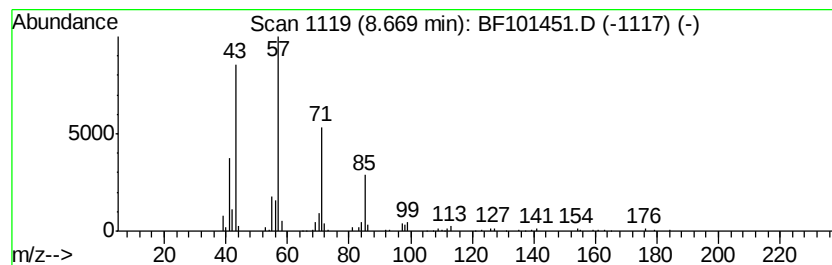
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Nonane, 5-butyl- Concentration Rank 9

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.67 | 6.99 ng | 479265 | Naphthalene-d8   | 8.10 |

| Hit# | of | Tentative ID     | MW  | MolForm | CAS#        | Qual |
|------|----|------------------|-----|---------|-------------|------|
| 1    | 5  | Nonane, 5-butyl- | 184 | C13H28  | 017312-63-9 | 87   |
| 2    |    | Hexadecane       | 226 | C16H34  | 000544-76-3 | 86   |
| 3    |    | Tetradecane      | 198 | C14H30  | 000629-59-4 | 86   |
| 4    |    | Dodecane         | 170 | C12H26  | 000112-40-3 | 86   |
| 5    |    | Pentadecane      | 212 | C15H32  | 000629-62-9 | 86   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
Data File : BF101451.D  
Acq On : 15 Dec 2017 19:00  
Operator : SJ/JU  
Sample : I6679-03 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

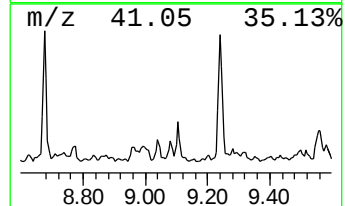
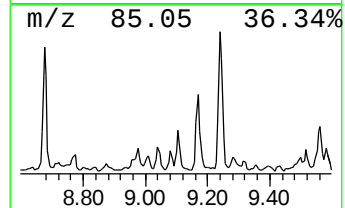
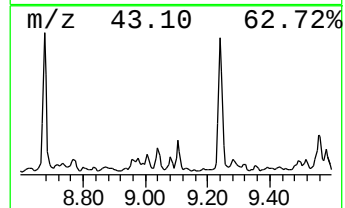
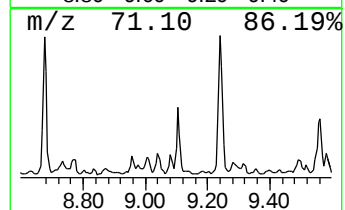
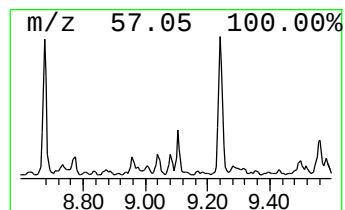
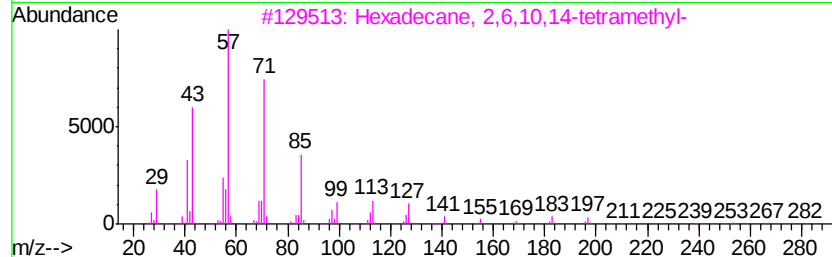
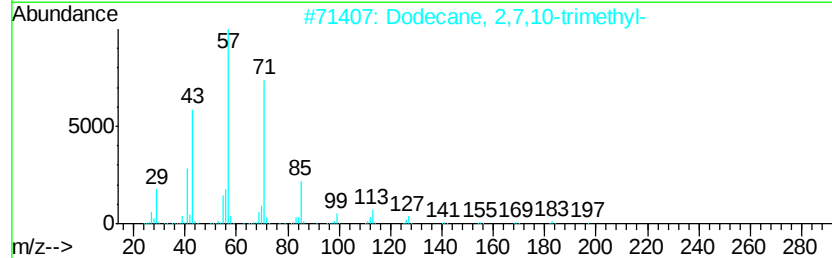
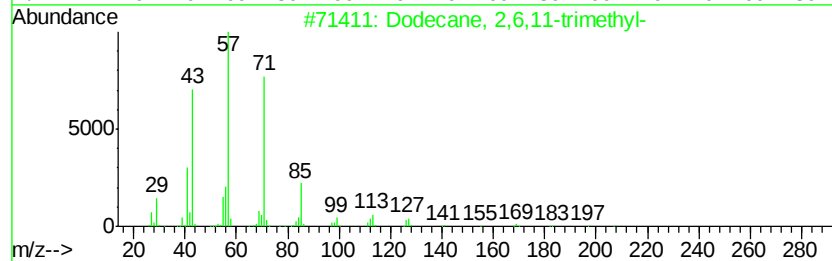
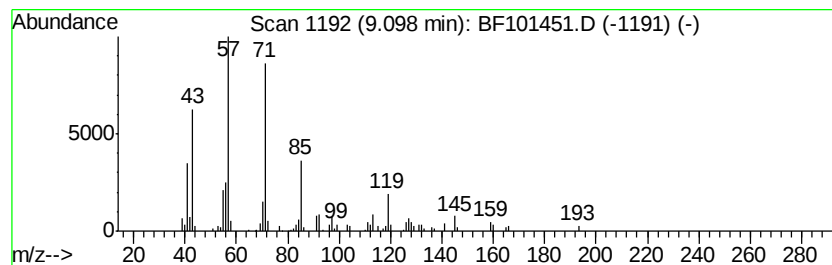
Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-121317-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 Dodecane, 2,6,11-trimethyl- Concentration Rank 17

| R.T.    | EstConc                            | Area         | Relative to ISTD | R.T.      |
|---------|------------------------------------|--------------|------------------|-----------|
| 9.10    | 2.67 ng                            | 160321       | Acenaphthene-d10 | 9.85      |
| Hit# of | 5                                  | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Dodecane, 2,6,11-trimethyl-        | 212 C15H32   | 031295-56-4      | 90        |
| 2       | Dodecane, 2,7,10-trimethyl-        | 212 C15H32   | 074645-98-0      | 80        |
| 3       | Hexadecane, 2,6,10,14-tetramethyl- | 282 C20H42   | 000638-36-8      | 72        |
| 4       | Decane, 5-propyl-                  | 184 C13H28   | 017312-62-8      | 64        |
| 5       | Nonane, 3-methyl-5-propyl-         | 184 C13H28   | 031081-18-2      | 64        |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
Data File : BF101451.D  
Acq On : 15 Dec 2017 19:00  
Operator : SJ/JU  
Sample : I6679-03 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

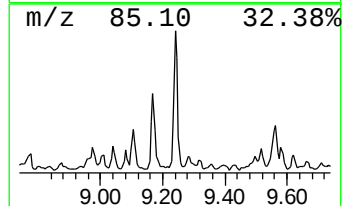
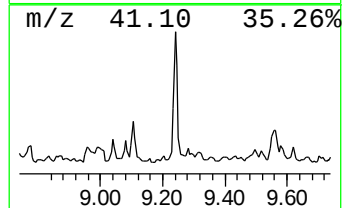
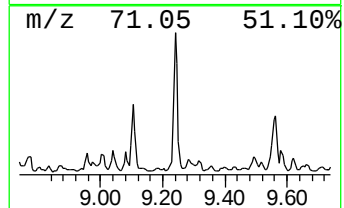
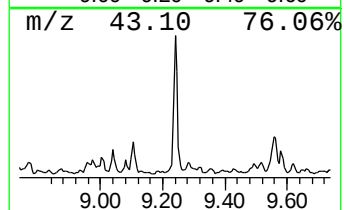
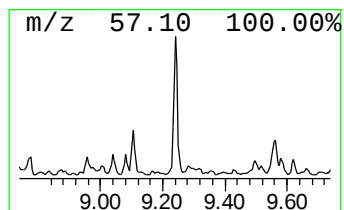
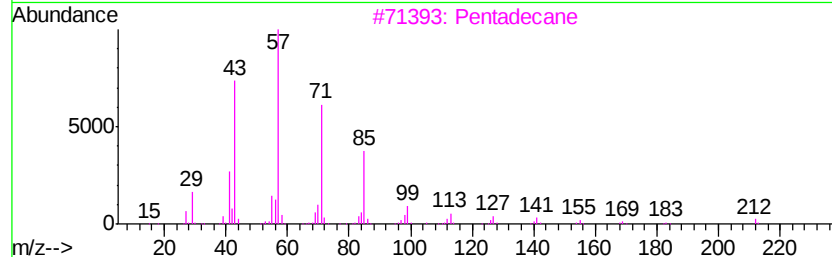
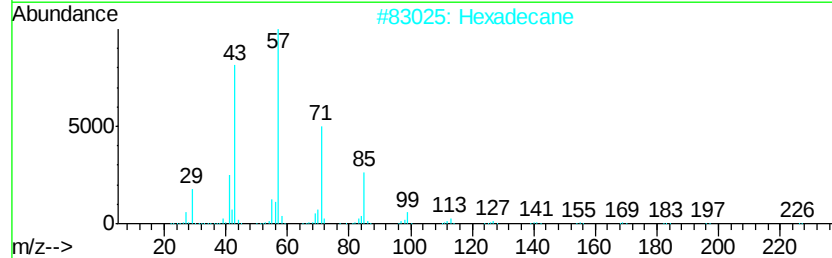
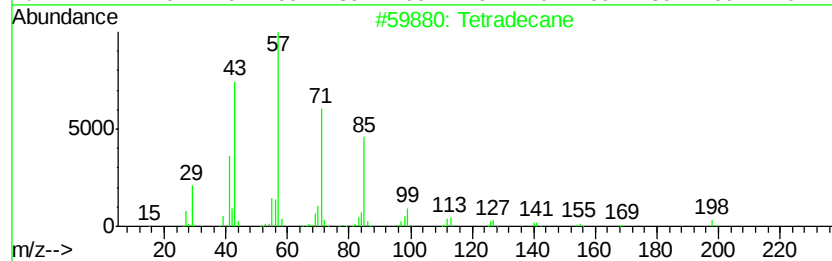
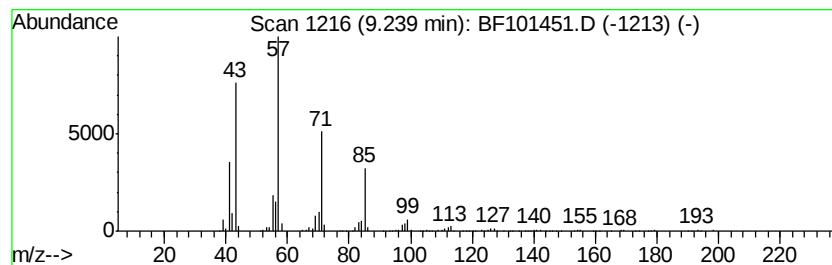
Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-121317-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 Tetradecane Concentration Rank 6

| R.T.    | EstConc | Area                 | Relative to ISTD | R.T.           |
|---------|---------|----------------------|------------------|----------------|
| 9.24    | 9.25 ng | 554683               | Acenaphthene-d10 | 9.85           |
| Hit# of | 5       | Tentative ID         | MW MolForm       | CAS# Qual      |
| 1       |         | Tetradecane          | 198 C14H30       | 000629-59-4 95 |
| 2       |         | Hexadecane           | 226 C16H34       | 000544-76-3 91 |
| 3       |         | Pentadecane          | 212 C15H32       | 000629-62-9 83 |
| 4       |         | Tridecane, 7-propyl- | 226 C16H34       | 055045-09-5 80 |
| 5       |         | Tridecane, 6-methyl- | 198 C14H30       | 013287-21-3 74 |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
Data File : BF101451.D  
Acq On : 15 Dec 2017 19:00  
Operator : SJ/JU  
Sample : I6679-03 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

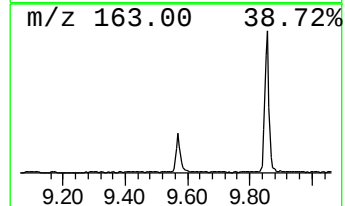
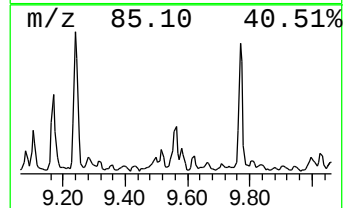
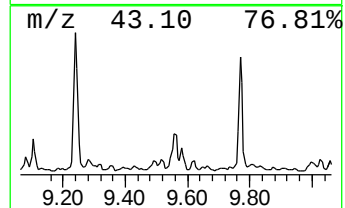
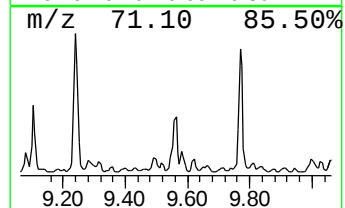
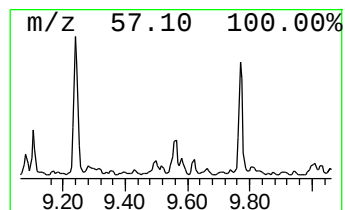
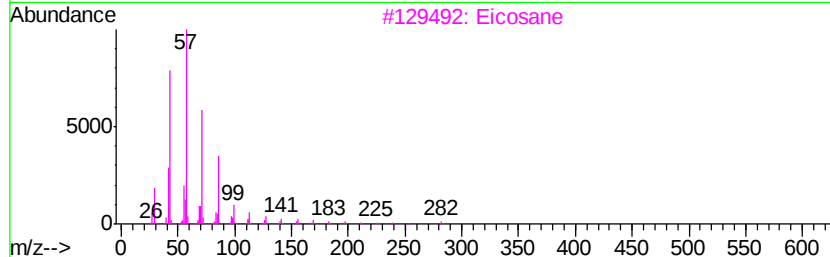
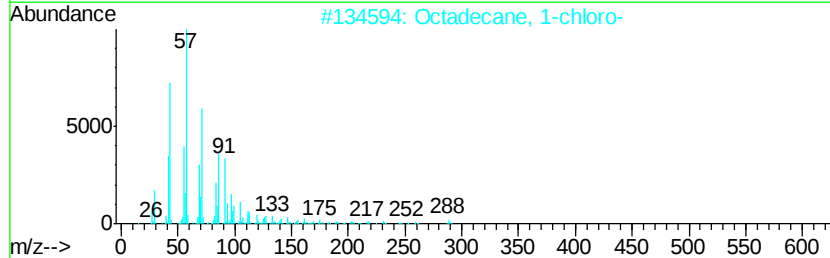
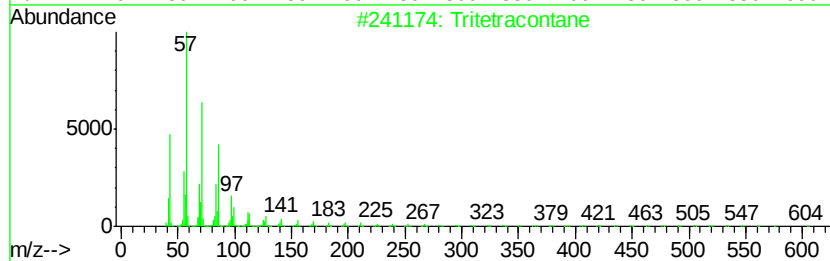
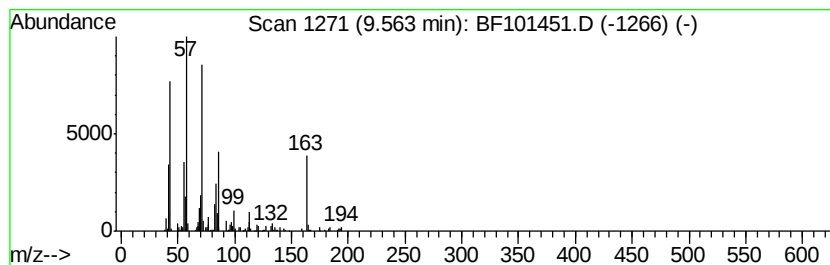
Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-121317-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 10 Tritetracontane Concentration Rank 11

| R.T.      | EstConc                    | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------------|--------|------------------|-------------|------|
| 9.56      | 4.60 ng                    | 276132 | Acenaphthene-d10 | 9.85        |      |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#        | Qual |
| 1         | Tritetracontane            | 605    | C43H88           | 007098-21-7 | 64   |
| 2         | Octadecane, 1-chloro-      | 288    | C18H37Cl         | 003386-33-2 | 64   |
| 3         | Eicosane                   | 282    | C20H42           | 000112-95-8 | 58   |
| 4         | Pentadecane, 7-methyl-     | 226    | C16H34           | 006165-40-8 | 53   |
| 5         | Nonane, 3-methyl-5-propyl- | 184    | C13H28           | 031081-18-2 | 50   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
Data File : BF101451.D  
Acq On : 15 Dec 2017 19:00  
Operator : SJ/JU  
Sample : I6679-03 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-121317-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

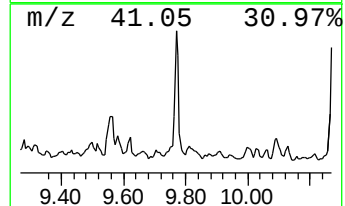
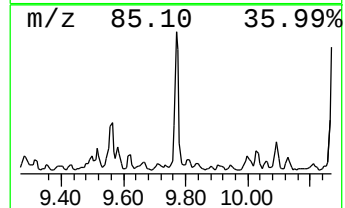
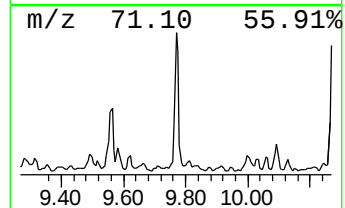
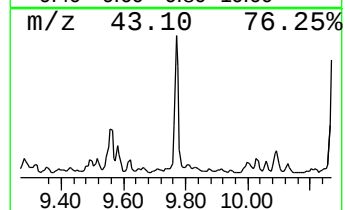
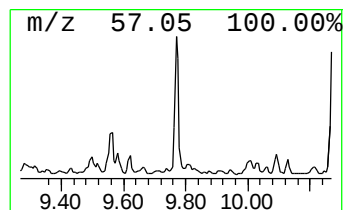
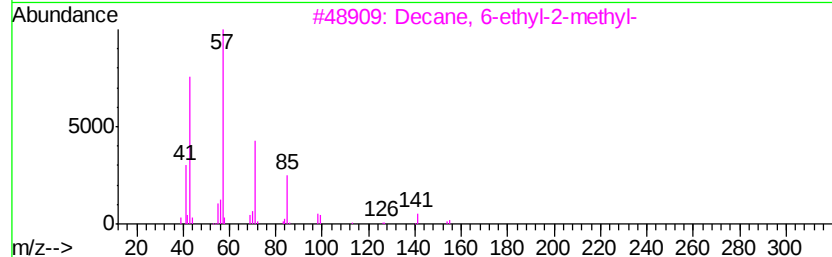
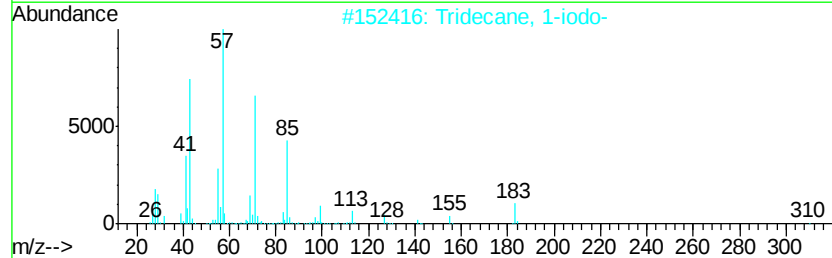
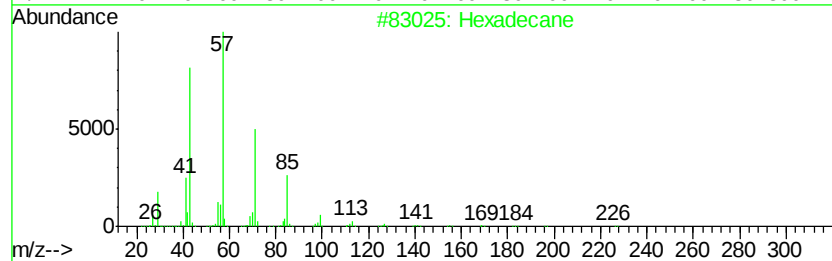
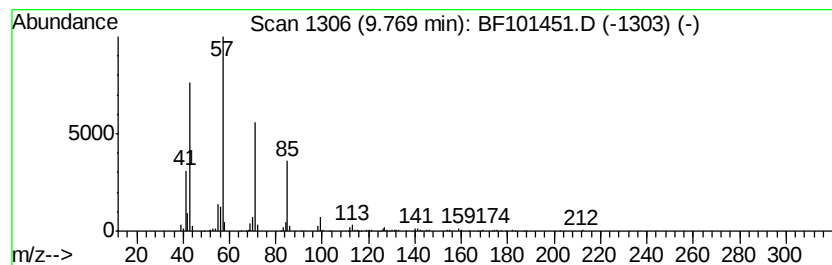
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Hexadecane Concentration Rank 8

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.77 | 7.16 ng | 429124 | Acenaphthene-d10 | 9.85 |

| Hit# | of | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecane                | 226 | C16H34   | 000544-76-3 | 91   |
| 2    |    | Tridecane, 1-iodo-        | 310 | C13H27I  | 035599-77-0 | 90   |
| 3    |    | Decane, 6-ethyl-2-methyl- | 184 | C13H28   | 062108-21-8 | 83   |
| 4    |    | Bacchotricuneatin c       | 342 | C20H22O5 | 066563-30-2 | 74   |
| 5    |    | 1-Undecene, 4-methyl-     | 168 | C12H24   | 074630-39-0 | 64   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
Data File : BF101451.D  
Acq On : 15 Dec 2017 19:00  
Operator : SJ/JU  
Sample : I6679-03 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-121317-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

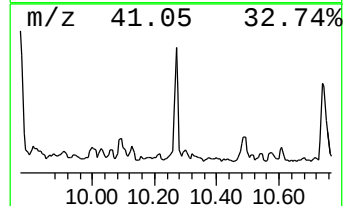
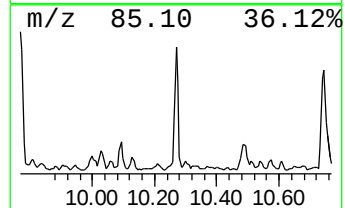
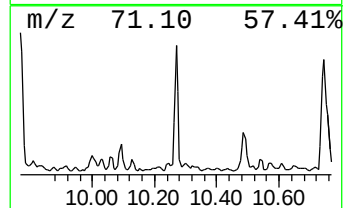
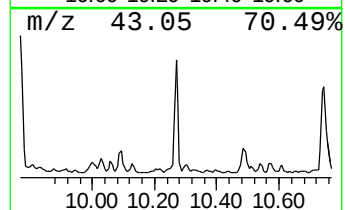
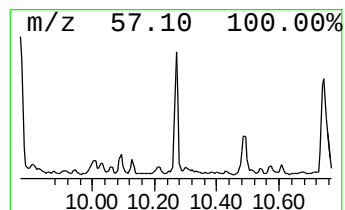
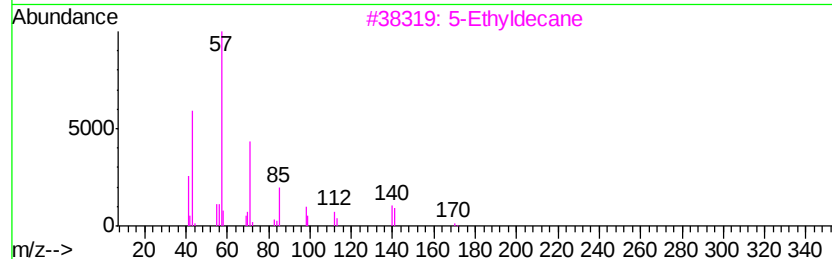
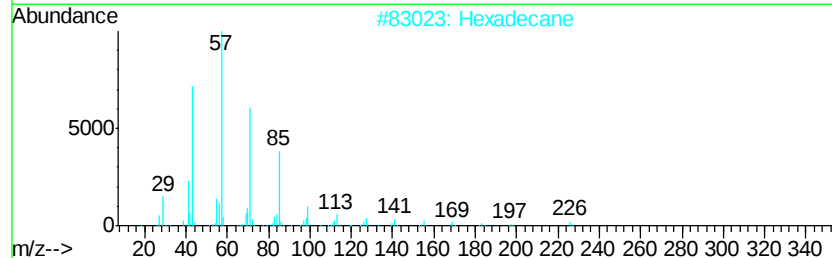
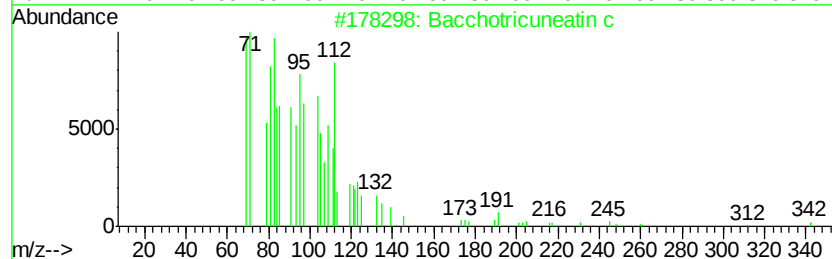
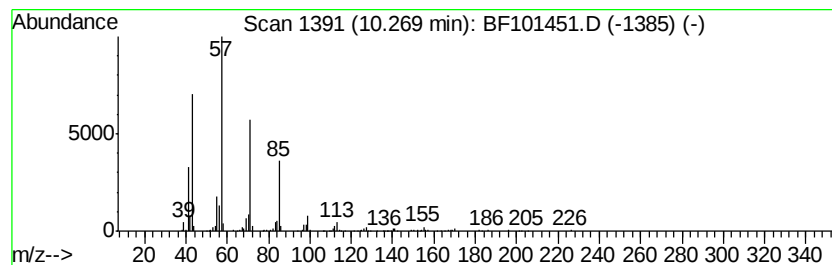
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Bacchotricuneatin c Concentration Rank 10

| R.T.  | EstConc | Area   | Relative to ISTD | R.T. |
|-------|---------|--------|------------------|------|
| 10.27 | 6.78 ng | 406611 | Acenaphthene-d10 | 9.85 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Bacchotricuneatin c                 | 342 | C20H22O5  | 066563-30-2  | 95   |
| 2    |    |   | Hexadecane                          | 226 | C16H34    | 000544-76-3  | 93   |
| 3    |    |   | 5-Ethyldecane                       | 170 | C12H26    | 017302-36-2  | 87   |
| 4    |    |   | Dodecane, 2-methyl-6-propyl-        | 226 | C16H34    | 055045-08-4  | 86   |
| 5    |    |   | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 80   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
Data File : BF101451.D  
Acq On : 15 Dec 2017 19:00  
Operator : SJ/JU  
Sample : I6679-03 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

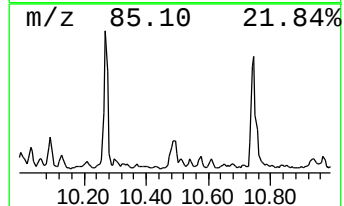
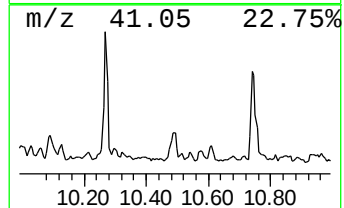
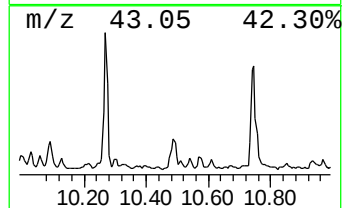
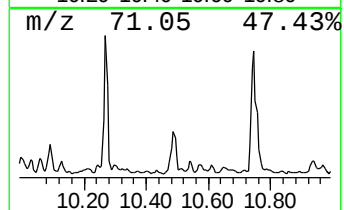
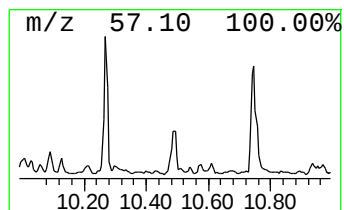
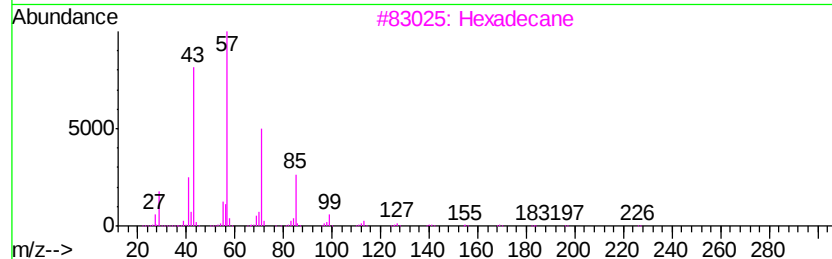
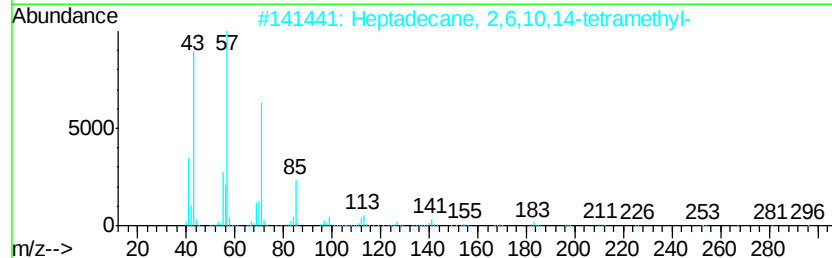
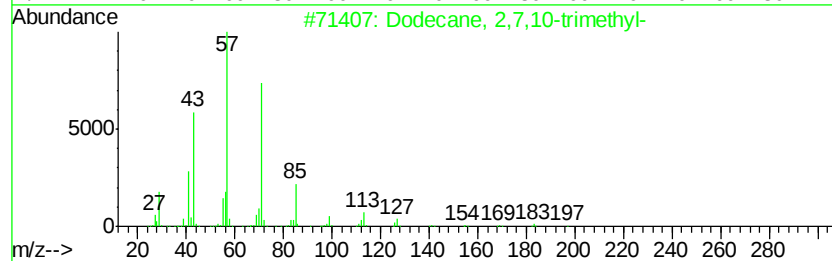
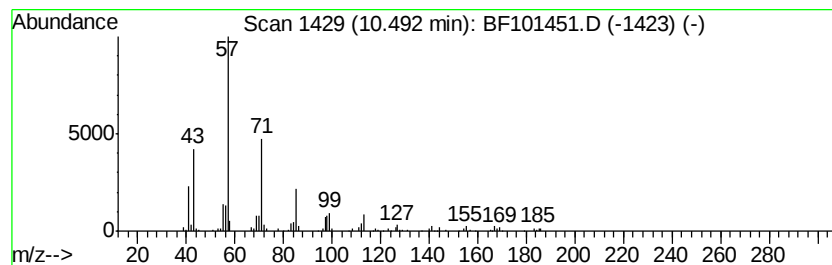
Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-121317-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 13 Dodecane, 2,7,10-trimethyl- Concentration Rank 14

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 10.49     | 3.06 ng                             | 183387 | Acenaphthene-d10 | 9.85         |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Dodecane, 2,7,10-trimethyl-         | 212    | C15H32           | 074645-98-0  | 86   |
| 2         | Heptadecane, 2,6,10,14-tetramethyl- | 296    | C21H44           | 018344-37-1  | 78   |
| 3         | Hexadecane                          | 226    | C16H34           | 000544-76-3  | 64   |
| 4         | Eicosane                            | 282    | C20H42           | 000112-95-8  | 58   |
| 5         | Sulfurous acid, butyl 2-ethylhex... | 250    | C12H26O3S        | 1000309-18-8 | 53   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
Data File : BF101451.D  
Acq On : 15 Dec 2017 19:00  
Operator : SJ/JU  
Sample : I6679-03 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-121317-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

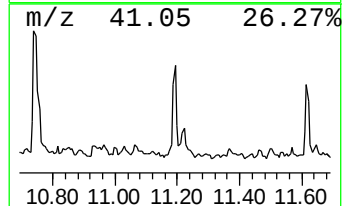
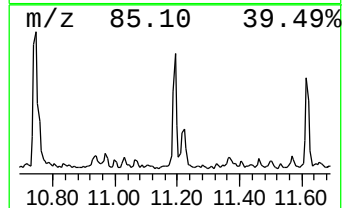
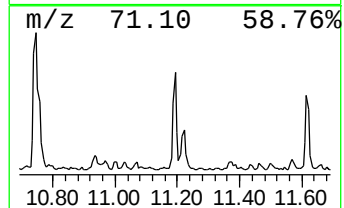
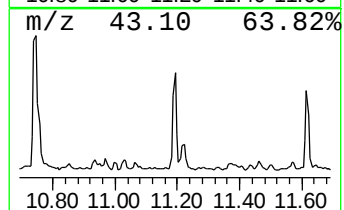
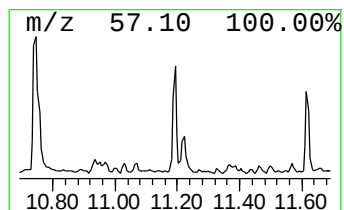
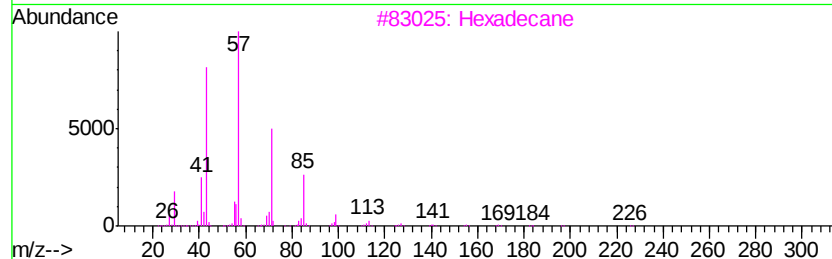
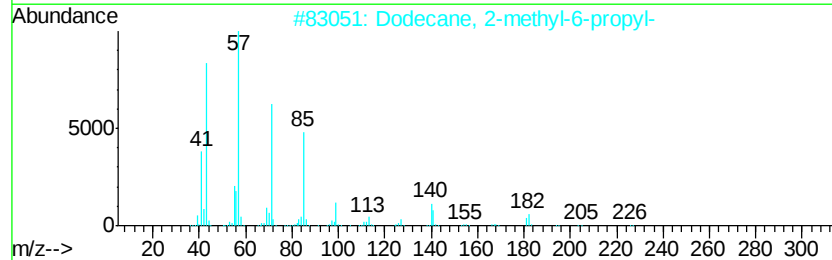
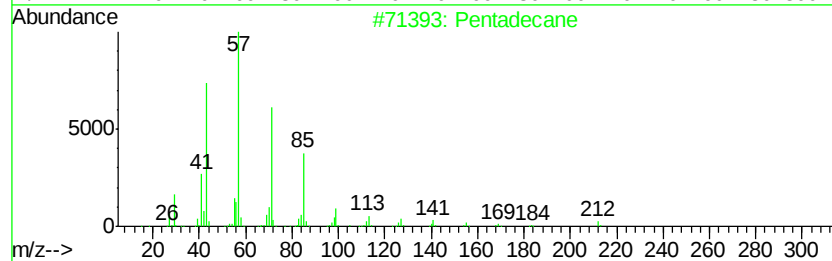
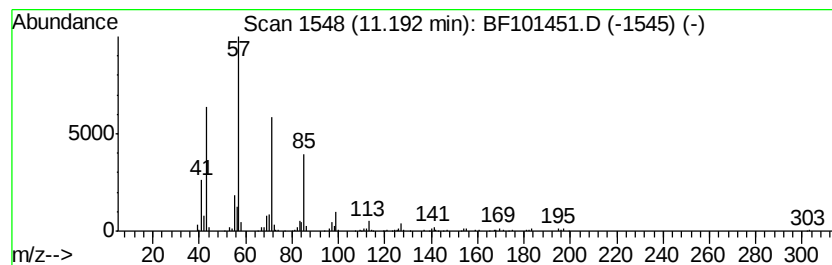
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 Pentadecane Concentration Rank 12

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.19 | 3.95 ng | 232262 | Phenanthrene-d10 | 11.35 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentadecane                  | 212 | C15H32  | 000629-62-9 | 90   |
| 2    |    |   | Dodecane, 2-methyl-6-propyl- | 226 | C16H34  | 055045-08-4 | 90   |
| 3    |    |   | Hexadecane                   | 226 | C16H34  | 000544-76-3 | 90   |
| 4    |    |   | Heptacosane                  | 380 | C27H56  | 000593-49-7 | 87   |
| 5    |    |   | Tridecane, 1-iodo-           | 310 | C13H27I | 035599-77-0 | 86   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
Data File : BF101451.D  
Acq On : 15 Dec 2017 19:00  
Operator : SJ/JU  
Sample : I6679-03 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleID :  
HR-05-121317-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

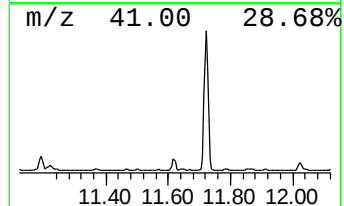
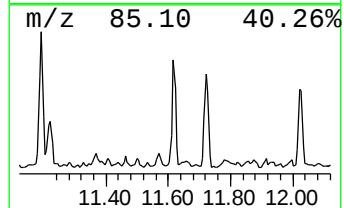
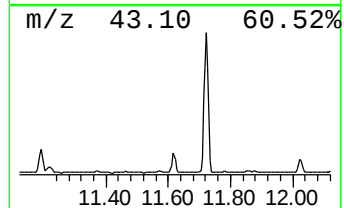
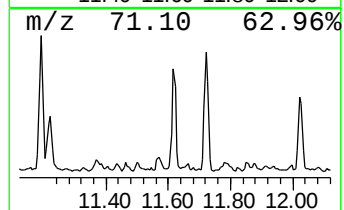
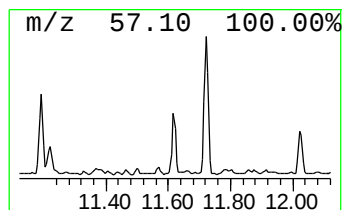
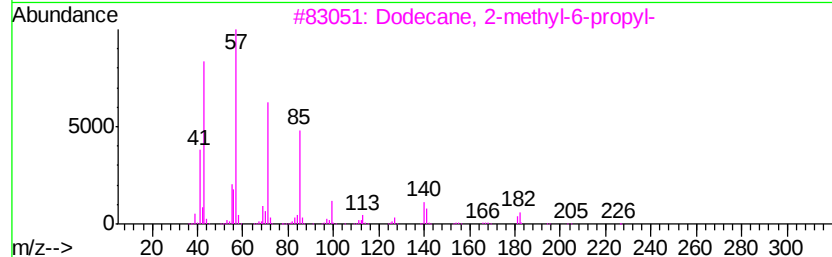
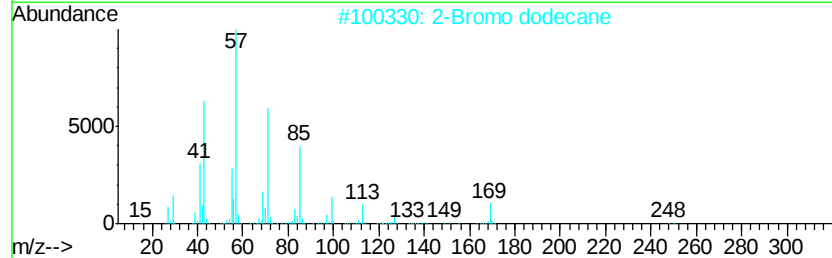
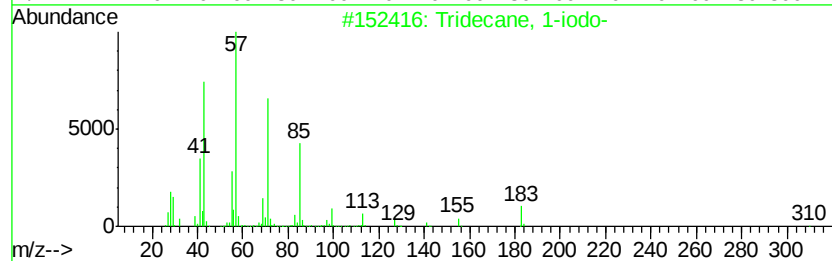
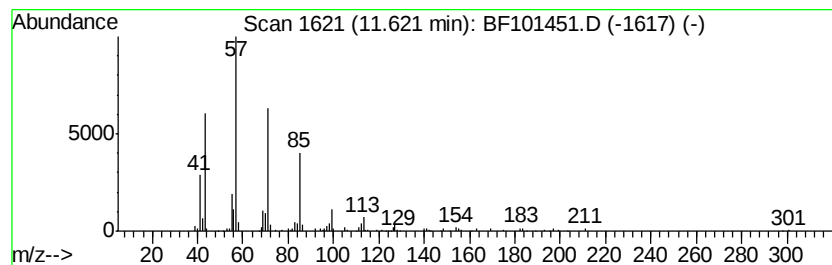
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 Tridecane, 1-iodo- Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.62 | 2.87 ng | 168723 | Phenanthrene-d10 | 11.35 |

| Hit# | of | 5 | Tentative ID                 | MW  | MolForm  | CAS#        | Qual |
|------|----|---|------------------------------|-----|----------|-------------|------|
| 1    |    |   | Tridecane, 1-iodo-           | 310 | C13H27I  | 035599-77-0 | 90   |
| 2    |    |   | 2-Bromo dodecane             | 248 | C12H25Br | 013187-99-0 | 90   |
| 3    |    |   | Dodecane, 2-methyl-6-propyl- | 226 | C16H34   | 055045-08-4 | 78   |
| 4    |    |   | Heptacosane                  | 380 | C27H56   | 000593-49-7 | 78   |
| 5    |    |   | Nonadecane                   | 268 | C19H40   | 000629-92-5 | 78   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
Data File : BF101451.D  
Acq On : 15 Dec 2017 19:00  
Operator : SJ/JU  
Sample : I6679-03 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-121317-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

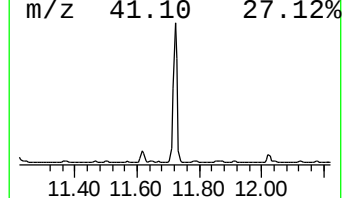
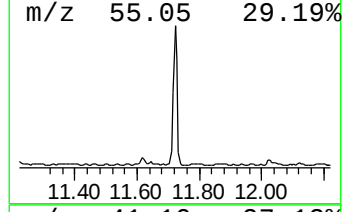
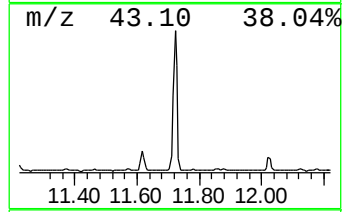
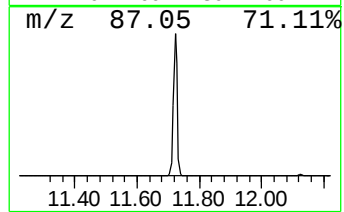
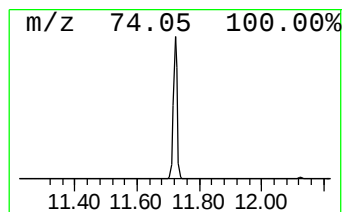
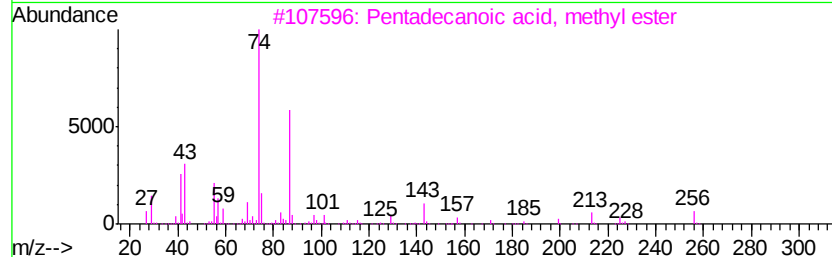
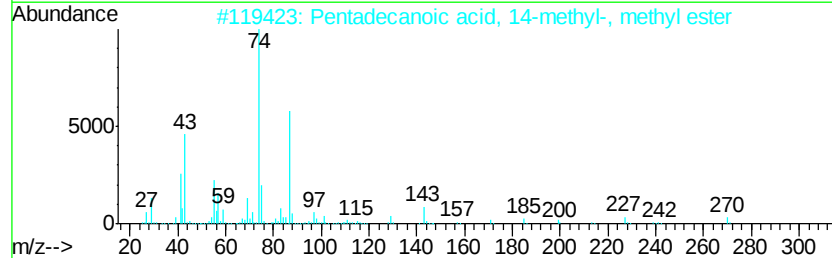
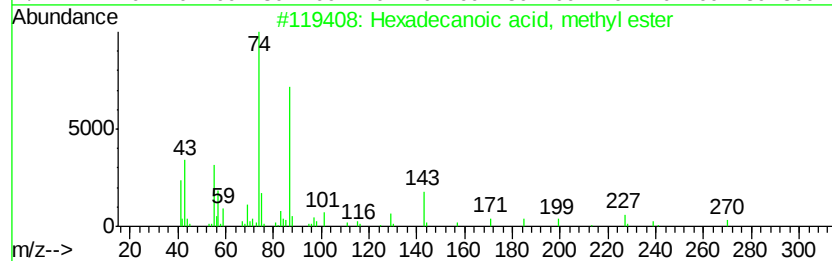
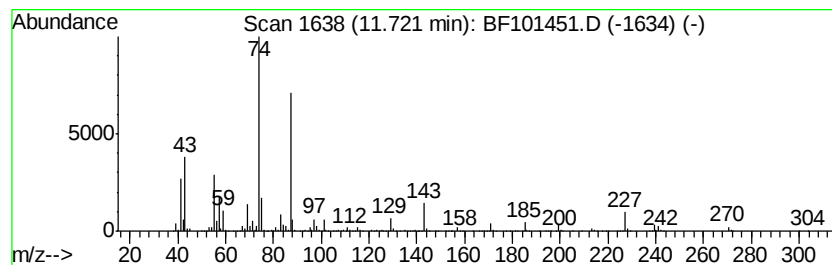
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 17 Hexadecanoic acid, methyl e... Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.72 | 47.85 ng | 2816000 | Phenanthrene-d10 | 11.35 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecanoic acid, methyl ester     | 270 | C17H34O2 | 000112-39-0 | 94   |
| 2    |    | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 87   |
| 3    |    | Pentadecanoic acid, methyl ester    | 256 | C16H32O2 | 007132-64-1 | 86   |
| 4    |    | Dodecanoic acid, 10-methyl-, met... | 228 | C14H28O2 | 005129-65-7 | 83   |
| 5    |    | Methyl tetradecanoate               | 242 | C15H30O2 | 000124-10-7 | 80   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
Data File : BF101451.D  
Acq On : 15 Dec 2017 19:00  
Operator : SJ/JU  
Sample : I6679-03 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-121317-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

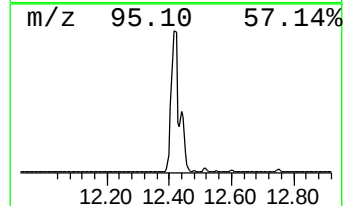
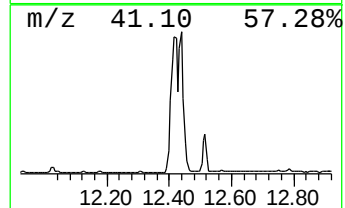
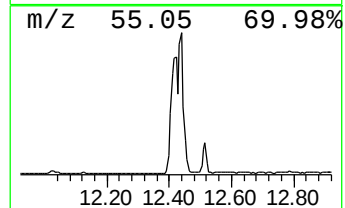
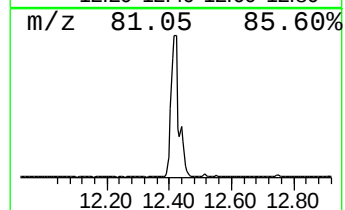
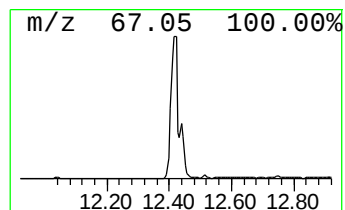
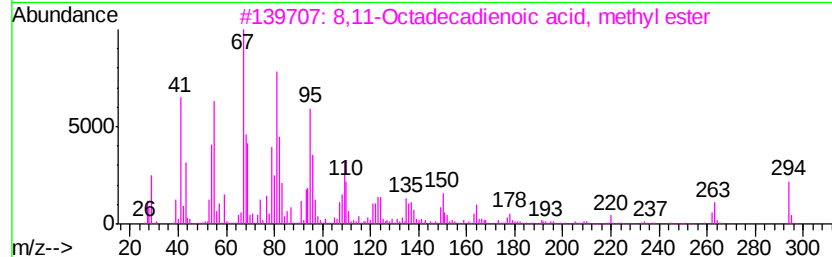
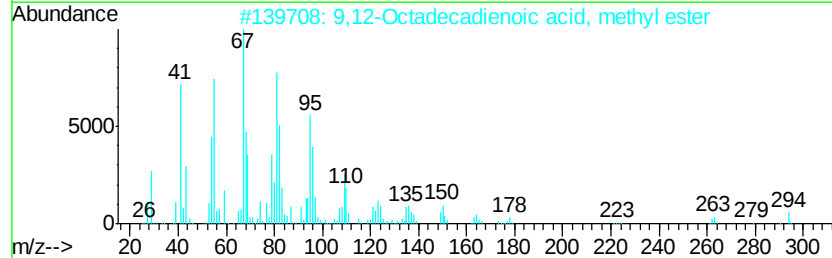
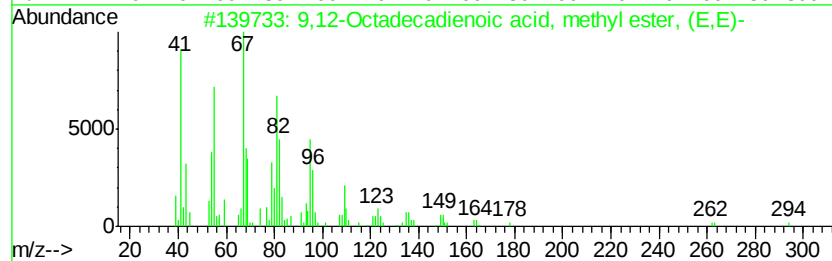
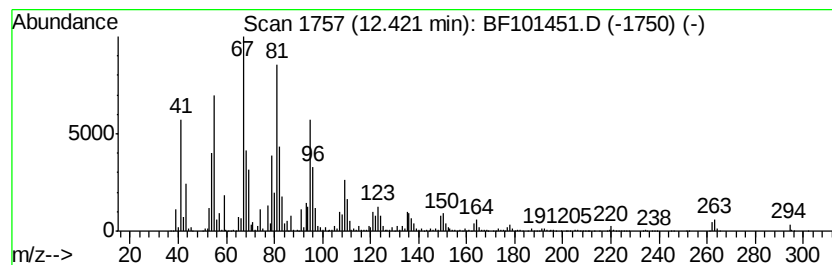
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 19 9,12-Octadecadienoic acid, ... Concentration Rank 1

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 12.42 | 123.60 ng | 7274330 | Phenanthrene-d10 | 11.35 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 99   |
| 2    |    | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002462-85-3 | 99   |
| 3    |    | 8,11-Octadecadienoic acid, methy... | 294 | C19H34O2 | 056599-58-7 | 99   |
| 4    |    | 10,13-Octadecadienoic acid, meth... | 294 | C19H34O2 | 056554-62-2 | 99   |
| 5    |    | 9,15-Octadecadienoic acid, methy... | 294 | C19H34O2 | 017309-05-6 | 99   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
Data File : BF101451.D  
Acq On : 15 Dec 2017 19:00  
Operator : SJ/JU  
Sample : I6679-03 5X  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
HR-05-121317-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

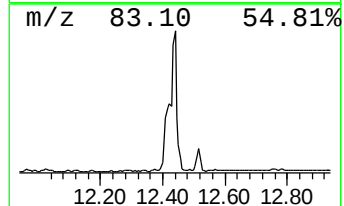
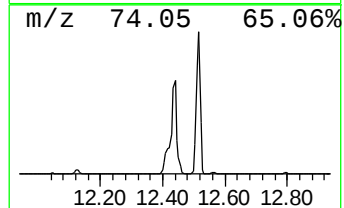
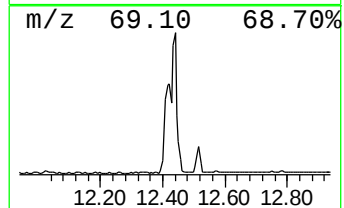
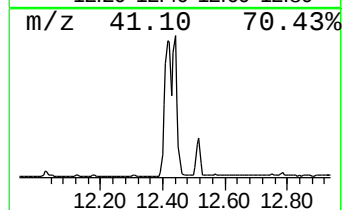
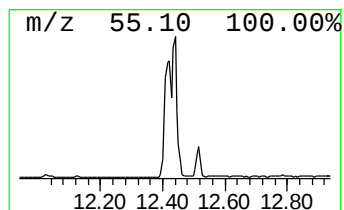
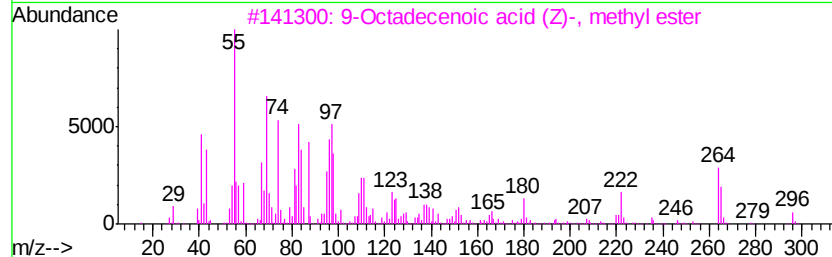
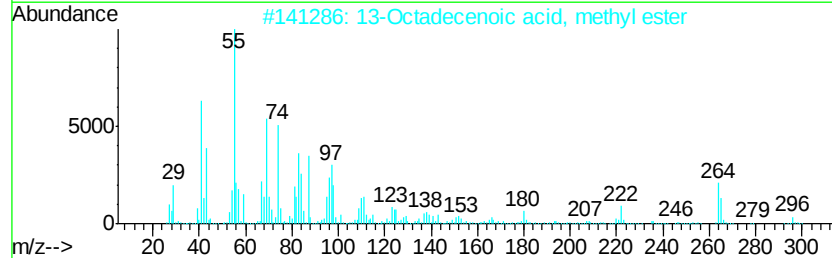
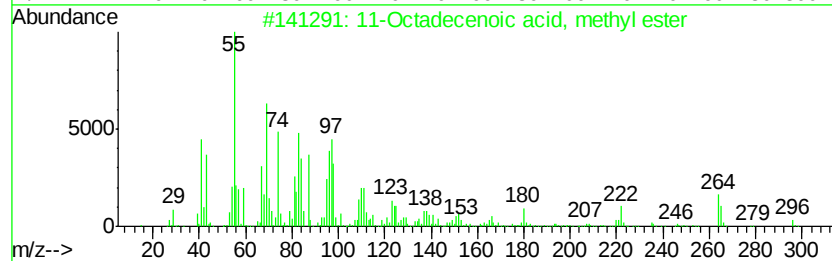
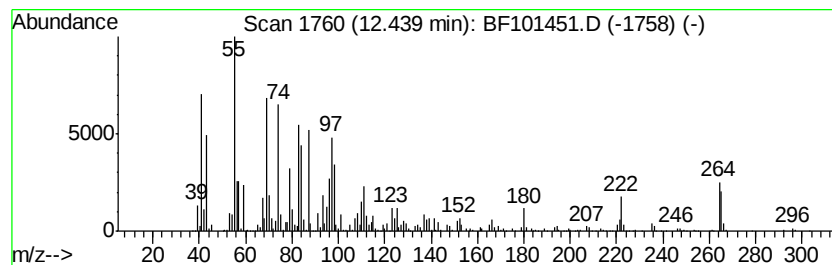
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 20 11-Octadecenoic acid, methyl... Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.44 | 82.06 ng | 4829490 | Phenanthrene-d10 | 11.35 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | 11-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 052380-33-3  | 87   |
| 2    |    | 13-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 056554-47-3  | 87   |
| 3    |    | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9  | 87   |
| 4    |    | 12-Octadecenoic acid, methyl ester  | 296 | C19H36O2 | 056554-46-2  | 86   |
| 5    |    | cis-13-Octadecenoic acid, methyl... | 296 | C19H36O2 | 1000333-58-3 | 86   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF121517\  
 Data File : BF101451.D  
 Acq On : 15 Dec 2017 19:00  
 Operator : SJ/JU  
 Sample : I6679-03 5X  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HR-05-121317-A

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.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... | 5.02  | 2.5     | ng    | 132186   | 1                     | 6.81  | 1061690 | 20.0 |
| unknown6.59          | 6.59  | 16.5    | ng    | 875870   | 1                     | 6.81  | 1061690 | 20.0 |
| Benzene, 1,2,3-tr... | 6.63  | 3.3     | ng    | 172414   | 1                     | 6.81  | 1061690 | 20.0 |
| unknown8.38          | 8.38  | 2.4     | ng    | 161863   | 2                     | 8.10  | 1370950 | 20.0 |
| Octane, 2,6-dimet... | 8.50  | 2.7     | ng    | 183454   | 2                     | 8.10  | 1370950 | 20.0 |
| Nonane, 5-butyl-     | 8.67  | 7.0     | ng    | 479265   | 2                     | 8.10  | 1370950 | 20.0 |
| Dodecane, 2,6,11-... | 9.10  | 2.7     | ng    | 160321   | 3                     | 9.85  | 1199380 | 20.0 |
| Tetradecane          | 9.24  | 9.3     | ng    | 554683   | 3                     | 9.85  | 1199380 | 20.0 |
| Tritetracontane      | 9.56  | 4.6     | ng    | 276132   | 3                     | 9.85  | 1199380 | 20.0 |
| Hexadecane           | 9.77  | 7.2     | ng    | 429124   | 3                     | 9.85  | 1199380 | 20.0 |
| Bacchotricuneatin c  | 10.27 | 6.8     | ng    | 406611   | 3                     | 9.85  | 1199380 | 20.0 |
| Dodecane, 2,7,10-... | 10.49 | 3.1     | ng    | 183387   | 3                     | 9.85  | 1199380 | 20.0 |
| Pentadecane          | 11.19 | 4.0     | ng    | 232262   | 4                     | 11.35 | 1177060 | 20.0 |
| Tridecane, 1-iodo-   | 11.62 | 2.9     | ng    | 168723   | 4                     | 11.35 | 1177060 | 20.0 |
| Hexadecanoic acid... | 11.72 | 47.9    | ng    | 2816000  | 4                     | 11.35 | 1177060 | 20.0 |
| 9,12-Octadecadien... | 12.42 | 123.6   | ng    | 7274330  | 4                     | 11.35 | 1177060 | 20.0 |
| 11-Octadecenoic a... | 12.44 | 82.1    | ng    | 4829490  | 4                     | 11.35 | 1177060 | 20.0 |