

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\  
 Data File : BF106752.D  
 Acq On : 23 Jun 2018 11:16  
 Operator : JU/SJ  
 Sample : J3597-03  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-44

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-BF061918.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         | 5.190       | 482           | 485         | 492          | rBV      | 27254          | 28211         | 2.31%           | 0.303%        |
| 2         | 5.284       | 497           | 501         | 505          | rBV      | 234117         | 217917        | 17.82%          | 2.340%        |
| 3         | 5.601       | 551           | 555         | 566          | rBB      | 559318         | 479608        | 39.22%          | 5.149%        |
| 4         | 6.601       | 721           | 725         | 733          | rBV      | 304277         | 295544        | 24.17%          | 3.173%        |
| 5         | 6.737       | 744           | 748         | 751          | rBV      | 959827         | 816986        | 66.80%          | 8.772%        |
| 6         | 6.890       | 771           | 774         | 779          | rVB2     | 19950          | 19478         | 1.59%           | 0.209%        |
| 7         | 6.960       | 782           | 786         | 791          | rBV      | 291362         | 260691        | 21.32%          | 2.799%        |
| 8         | 7.113       | 808           | 812         | 816          | rBV      | 834677         | 804696        | 65.80%          | 8.640%        |
| 9         | 7.525       | 877           | 882         | 885          | rBV      | 672371         | 607717        | 49.69%          | 6.525%        |
| 10        | 7.595       | 892           | 894         | 900          | rBV4     | 23029          | 27379         | 2.24%           | 0.294%        |
| 11        | 7.695       | 909           | 911         | 914          | rVB2     | 16436          | 13432         | 1.10%           | 0.144%        |
| 12        | 8.242       | 999           | 1004        | 1008         | rBV      | 300607         | 261924        | 21.42%          | 2.812%        |
| 13        | 8.389       | 1023          | 1029        | 1031         | rBV2     | 15642          | 18318         | 1.50%           | 0.197%        |
| 14        | 8.607       | 1059          | 1066        | 1073         | rBV5     | 16007          | 33277         | 2.72%           | 0.357%        |
| 15        | 8.689       | 1075          | 1080        | 1083         | rBV4     | 16014          | 24491         | 2.00%           | 0.263%        |
| 16        | 8.795       | 1096          | 1098        | 1103         | rVB      | 59471          | 52672         | 4.31%           | 0.566%        |
| 17        | 8.842       | 1103          | 1106        | 1108         | rBV2     | 15874          | 16690         | 1.36%           | 0.179%        |
| 18        | 8.972       | 1125          | 1128        | 1131         | rBV3     | 21591          | 20602         | 1.68%           | 0.221%        |
| 19        | 9.001       | 1131          | 1133        | 1137         | rVB3     | 15056          | 17693         | 1.45%           | 0.190%        |
| 20        | 9.054       | 1137          | 1142        | 1144         | rBV4     | 11942          | 20656         | 1.69%           | 0.222%        |
| 21        | 9.078       | 1144          | 1146        | 1152         | rVB5     | 24890          | 28650         | 2.34%           | 0.308%        |
| 22        | 9.131       | 1152          | 1155        | 1156         | rBV2     | 13749          | 13477         | 1.10%           | 0.145%        |
| 23        | 9.160       | 1156          | 1160        | 1162         | rVV2     | 13324          | 19336         | 1.58%           | 0.208%        |
| 24        | 9.184       | 1162          | 1164        | 1167         | rVB4     | 19231          | 19559         | 1.60%           | 0.210%        |
| 25        | 9.219       | 1167          | 1170        | 1173         | rBV4     | 16381          | 15985         | 1.31%           | 0.172%        |
| 26        | 9.272       | 1173          | 1179        | 1182         | rBV7     | 16051          | 24361         | 1.99%           | 0.262%        |
| 27        | 9.313       | 1182          | 1186        | 1190         | rBV      | 1109934        | 992895        | 81.19%          | 10.660%       |
| 28        | 9.660       | 1243          | 1245        | 1247         | rBV3     | 27758          | 23487         | 1.92%           | 0.252%        |
| 29        | 9.689       | 1247          | 1250        | 1251         | rVV      | 43182          | 38549         | 3.15%           | 0.414%        |
| 30        | 9.707       | 1251          | 1253        | 1258         | rVB      | 45108          | 42909         | 3.51%           | 0.461%        |
| 31        | 9.789       | 1264          | 1267        | 1269         | rBV      | 38536          | 26177         | 2.14%           | 0.281%        |
| 32        | 9.954       | 1289          | 1295        | 1299         | rBV5     | 6781           | 16053         | 1.31%           | 0.172%        |
| 33        | 10.001      | 1299          | 1303        | 1309         | rVB      | 287255         | 255326        | 20.88%          | 2.741%        |
| 34        | 10.307      | 1353          | 1355        | 1358         | rBV4     | 17319          | 16931         | 1.38%           | 0.182%        |

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\  
Data File : BF106752.D  
Acq On : 23 Jun 2018 11:16  
Operator : JU/SJ  
Sample : J3597-03  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-44

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-BF061918.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 10.383 | 1366 | 1368 | 1371 | rBV3 | 16631   | 15423   | 1.26%   | 0.166%  |
| 36 | 10.489 | 1383 | 1386 | 1389 | rBV3 | 12154   | 14538   | 1.19%   | 0.156%  |
| 37 | 10.654 | 1411 | 1414 | 1417 | rVB3 | 24759   | 22338   | 1.83%   | 0.240%  |
| 38 | 10.713 | 1422 | 1424 | 1431 | rVB5 | 13102   | 17109   | 1.40%   | 0.184%  |
| 39 | 10.795 | 1434 | 1438 | 1441 | rBV  | 710321  | 627995  | 51.35%  | 6.743%  |
| 40 | 10.883 | 1449 | 1453 | 1456 | rBV  | 12560   | 13289   | 1.09%   | 0.143%  |
| 41 | 11.036 | 1474 | 1479 | 1482 | rVB6 | 11782   | 15360   | 1.26%   | 0.165%  |
| 42 | 11.078 | 1484 | 1486 | 1491 | rBV3 | 11616   | 12705   | 1.04%   | 0.136%  |
| 43 | 11.489 | 1553 | 1556 | 1560 | rBV  | 290926  | 267231  | 21.85%  | 2.869%  |
| 44 | 12.877 | 1789 | 1792 | 1796 | rVB2 | 25837   | 24202   | 1.98%   | 0.260%  |
| 45 | 12.960 | 1803 | 1806 | 1814 | rVB  | 131148  | 116560  | 9.53%   | 1.251%  |
| 46 | 13.077 | 1822 | 1826 | 1829 | rBV  | 1257338 | 1222949 | 100.00% | 13.130% |
| 47 | 13.583 | 1910 | 1912 | 1915 | rVB2 | 16705   | 14867   | 1.22%   | 0.160%  |
| 48 | 13.624 | 1915 | 1919 | 1922 | rBV  | 14747   | 15638   | 1.28%   | 0.168%  |
| 49 | 13.960 | 1973 | 1976 | 1983 | rBV  | 26757   | 30257   | 2.47%   | 0.325%  |
| 50 | 14.148 | 2004 | 2008 | 2012 | rBV  | 354231  | 339054  | 27.72%  | 3.640%  |
| 51 | 14.283 | 2027 | 2031 | 2035 | rVB  | 38740   | 34928   | 2.86%   | 0.375%  |
| 52 | 14.595 | 2080 | 2084 | 2089 | rBV  | 82721   | 83114   | 6.80%   | 0.892%  |
| 53 | 14.918 | 2135 | 2139 | 2143 | rVB  | 116628  | 121596  | 9.94%   | 1.306%  |
| 54 | 15.271 | 2195 | 2199 | 2204 | rBV  | 132577  | 145848  | 11.93%  | 1.566%  |
| 55 | 15.683 | 2263 | 2269 | 2275 | rVB2 | 226764  | 373863  | 30.57%  | 4.014%  |
| 56 | 16.136 | 2341 | 2346 | 2353 | rVB  | 75843   | 117160  | 9.58%   | 1.258%  |
| 57 | 16.671 | 2432 | 2437 | 2443 | rVB  | 35285   | 59034   | 4.83%   | 0.634%  |
| 58 | 17.307 | 2541 | 2545 | 2554 | rVB4 | 11984   | 24015   | 1.96%   | 0.258%  |
| 59 | 18.042 | 2666 | 2670 | 2676 | rBV8 | 5628    | 13072   | 1.07%   | 0.140%  |

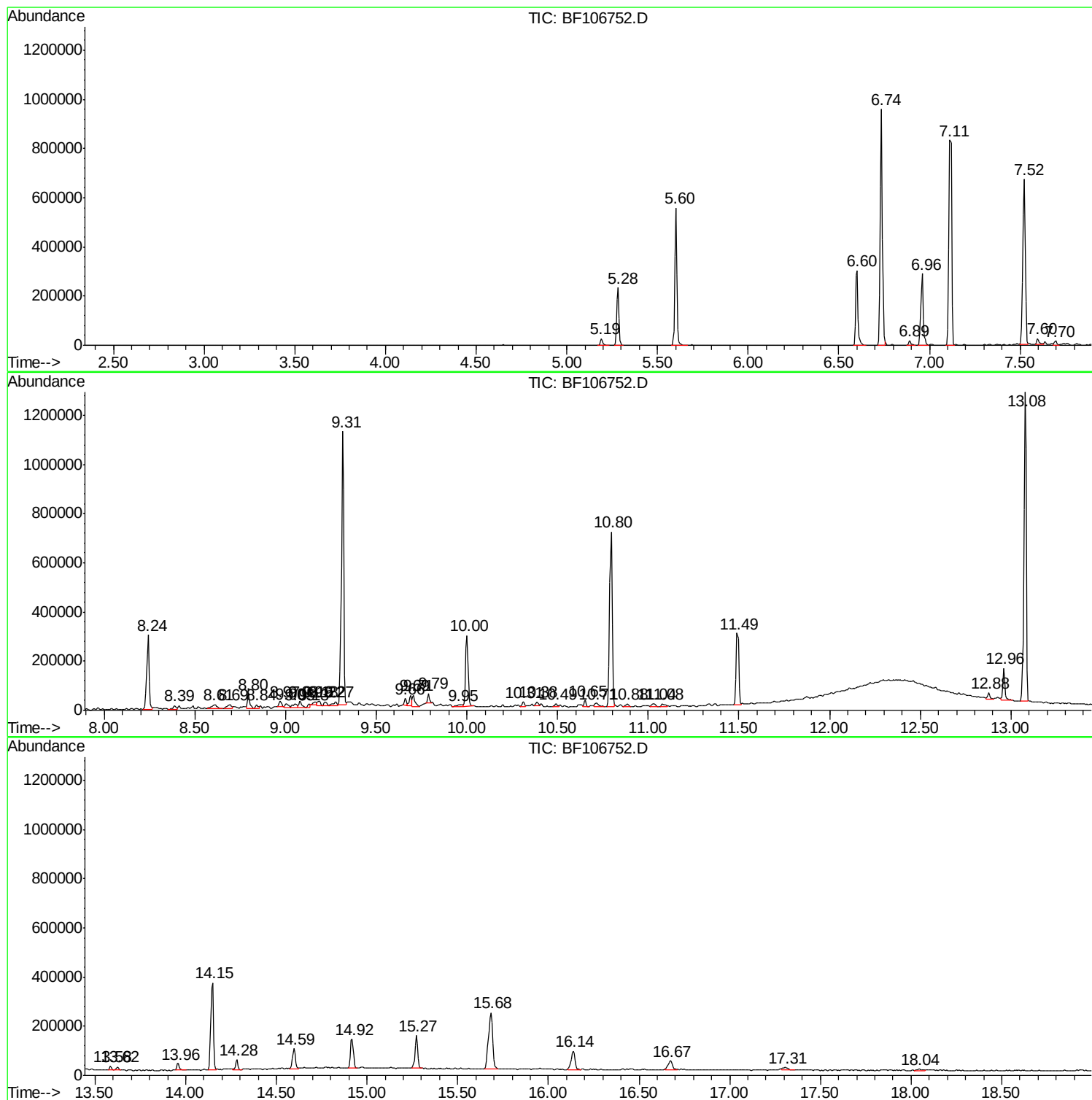
Sum of corrected areas: 9313822

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\  
Data File : BF106752.D  
Acq On : 23 Jun 2018 11:16  
Operator : JU/SJ  
Sample : J3597-03  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
W-44

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.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\BF062218\  
Data File : BF106752.D  
Acq On : 23 Jun 2018 11:16  
Operator : JU/SJ  
Sample : J3597-03  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-44

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

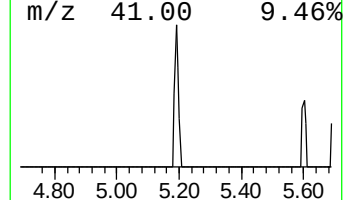
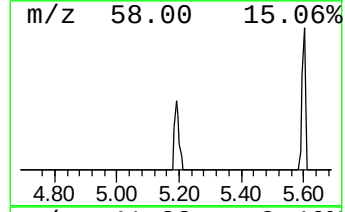
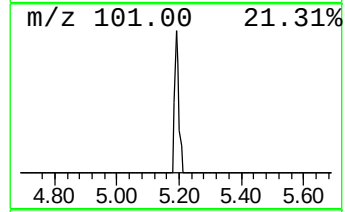
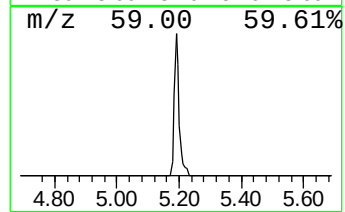
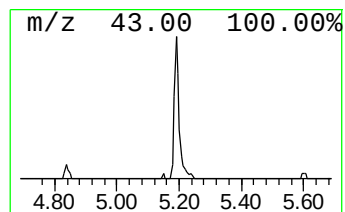
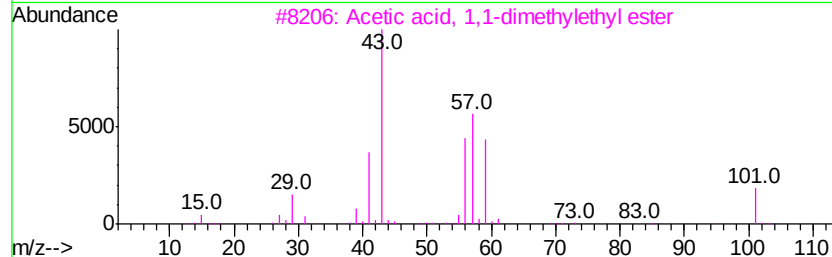
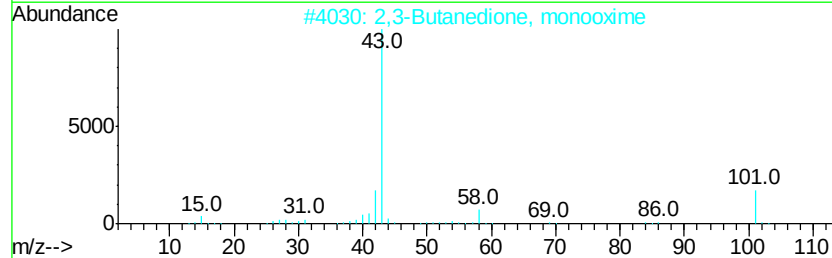
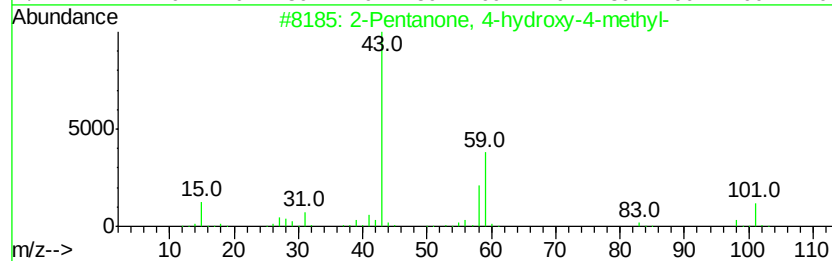
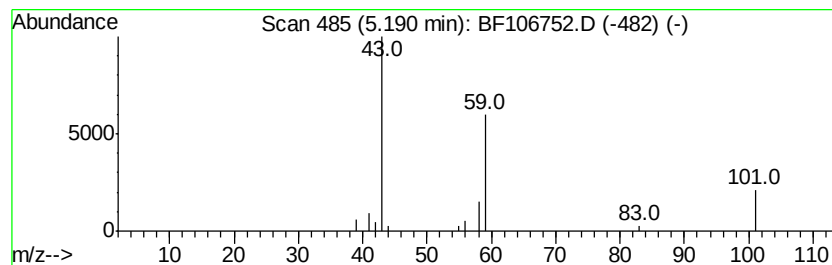
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.19 | 2.16 ng | 28211 | 1,4-Dichlorobenzene-d4 | 6.96 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 64   |
| 2    |    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 9    |
| 3    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 9    |
| 4    |    | 1-Propen-2-ol, acetate              | 100 | C5H8O2  | 000108-22-5 | 9    |
| 5    |    | 3-Hexanol                           | 102 | C6H14O  | 000623-37-0 | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\  
Data File : BF106752.D  
Acq On : 23 Jun 2018 11:16  
Operator : JU/SJ  
Sample : J3597-03  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-44

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

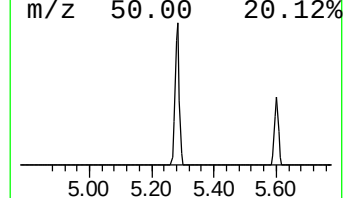
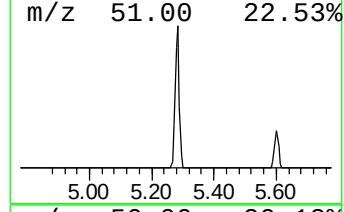
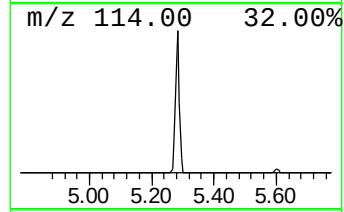
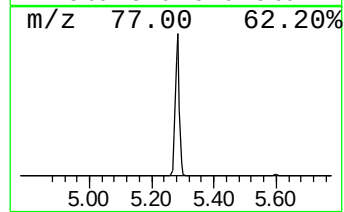
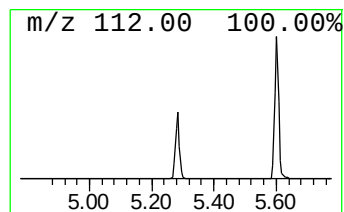
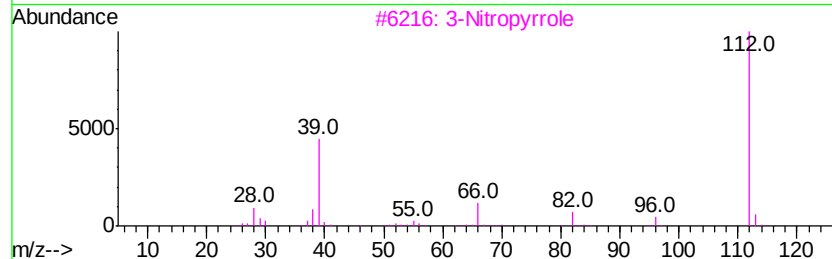
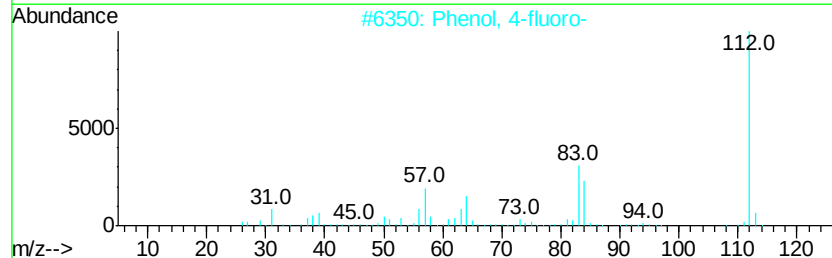
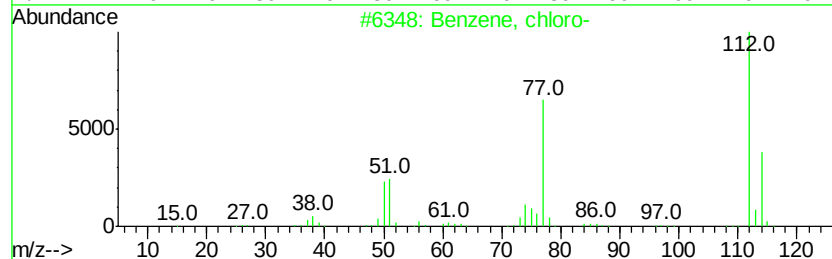
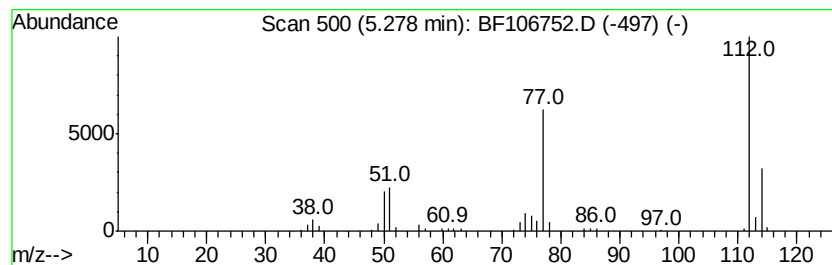
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Benzene, chloro- Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.28 | 16.72 ng | 217917 | 1,4-Dichlorobenzene-d4 | 6.96 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Benzene, chloro-                    | 112 | C6H5Cl     | 000108-90-7 | 96   |
| 2    |    | Phenol, 4-fluoro-                   | 112 | C6H5FO     | 000371-41-5 | 17   |
| 3    |    | 3-Nitropyrrole                      | 112 | C4H4N2O2   | 005930-94-9 | 9    |
| 4    |    | Cevane-3,4,6,7,14,15,16,20-octol... | 793 | C41H63NO14 | 000143-57-7 | 9    |
| 5    |    | Dipipanone                          | 349 | C24H31NO   | 000467-83-4 | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\  
Data File : BF106752.D  
Acq On : 23 Jun 2018 11:16  
Operator : JU/SJ  
Sample : J3597-03  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-44

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

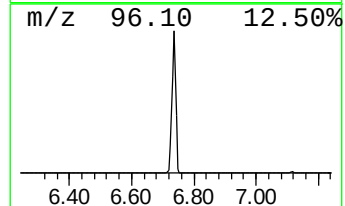
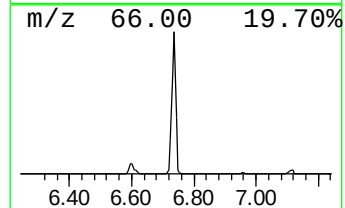
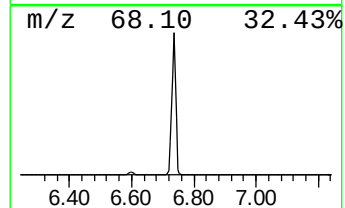
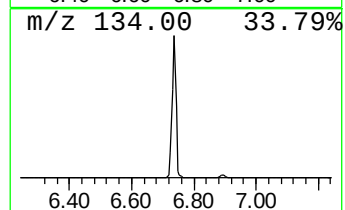
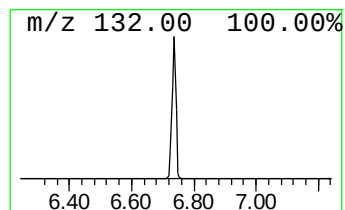
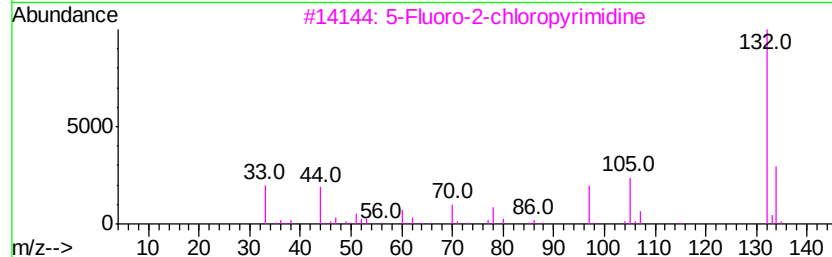
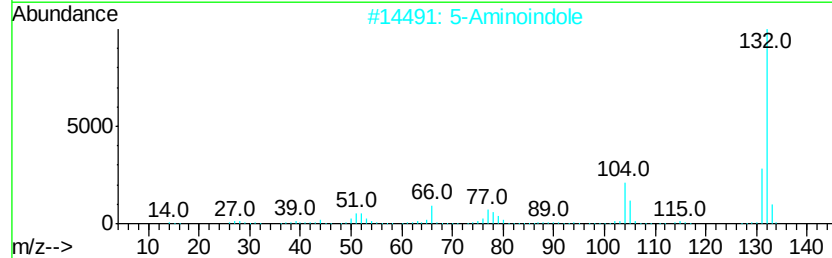
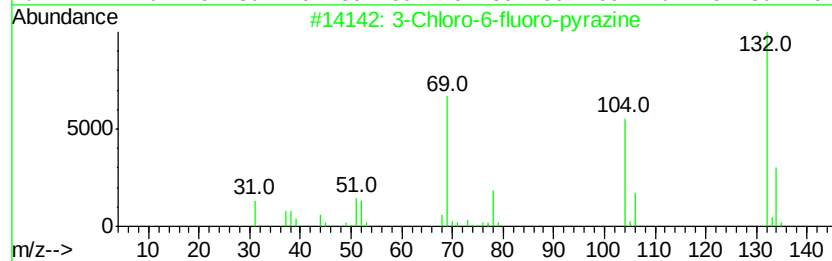
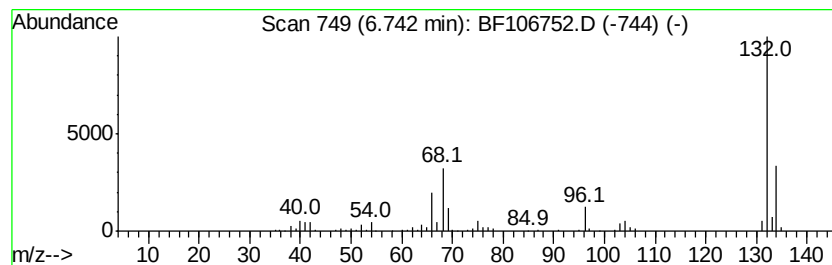
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown6.74 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.74 | 62.68 ng | 816986 | 1,4-Dichlorobenzene-d4 | 6.96 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm   | CAS#         | Qual |
|------|----|---|------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 3-Chloro-6-fluoro-pyrazine         | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    |   | 5-Aminoindole                      | 132 | C8H8N2    | 005192-03-0  | 12   |
| 3    |    |   | 5-Fluoro-2-chloropyrimidine        | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 4    |    |   | 2H-Cyclopentadipyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |
| 5    |    |   | 1H-Benzimidazole, 2-methyl-        | 132 | C8H8N2    | 000615-15-6  | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\  
Data File : BF106752.D  
Acq On : 23 Jun 2018 11:16  
Operator : JU/SJ  
Sample : J3597-03  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-44

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

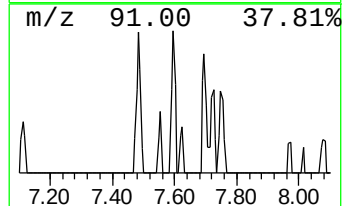
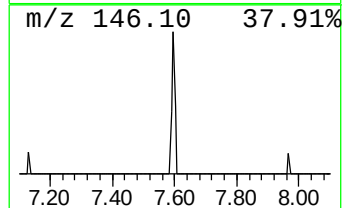
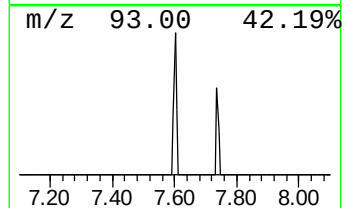
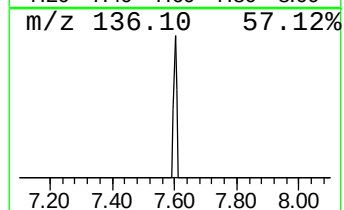
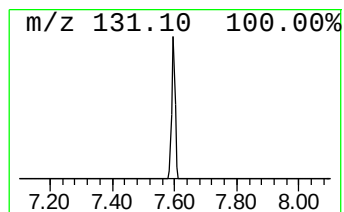
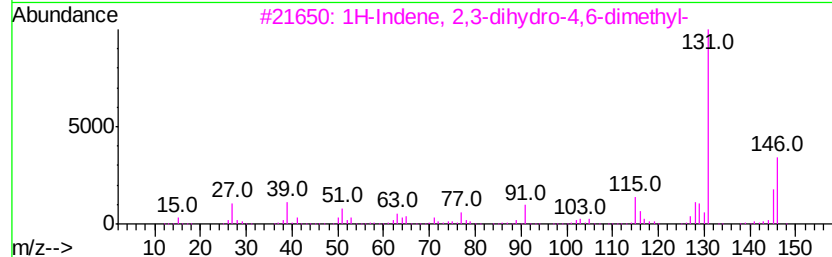
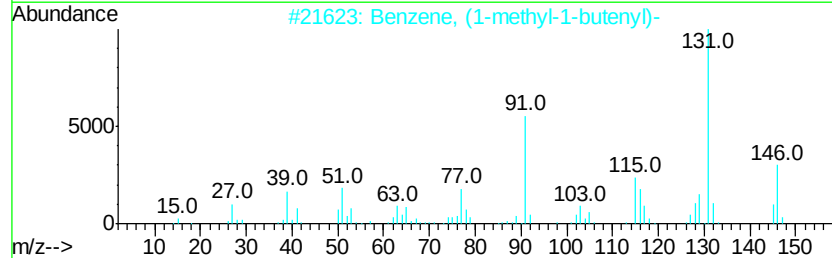
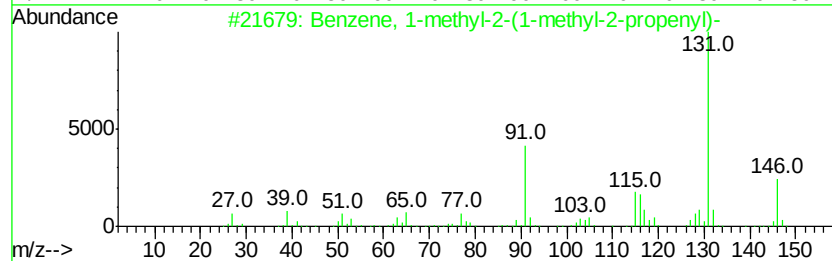
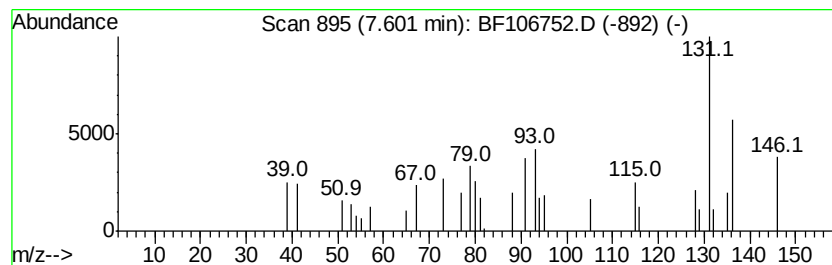
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 Benzene, 1-methyl-2-(1-meth... Concentration Rank 14

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 7.60 | 2.10 ng | 27379 | 1,4-Dichlorobenzene-d4 | 6.96 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-methyl-2-(1-methyl-2-... | 146 | C11H14  | 097664-19-2 | 74   |
| 2    |    | Benzene, (1-methyl-1-butenyl)-      | 146 | C11H14  | 053172-84-2 | 64   |
| 3    |    | 1H-Indene, 2,3-dihydro-4,6-dimet... | 146 | C11H14  | 001685-82-1 | 64   |
| 4    |    | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14  | 004175-53-5 | 53   |
| 5    |    | 1,3-Cyclopentadiene, 5-(trans-2-... | 146 | C11H14  | 079209-36-2 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\  
Data File : BF106752.D  
Acq On : 23 Jun 2018 11:16  
Operator : JU/SJ  
Sample : J3597-03  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-44

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

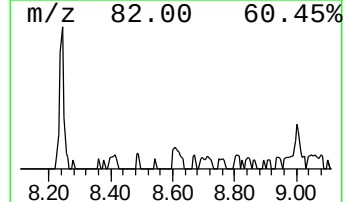
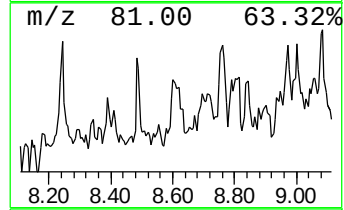
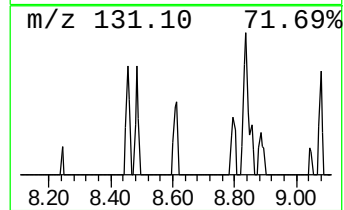
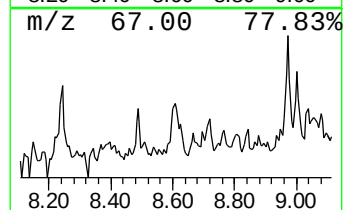
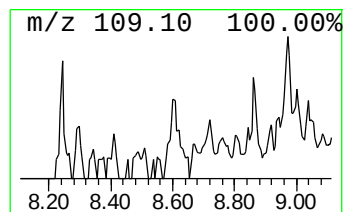
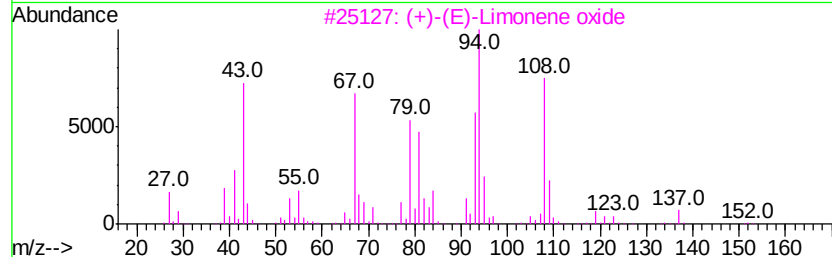
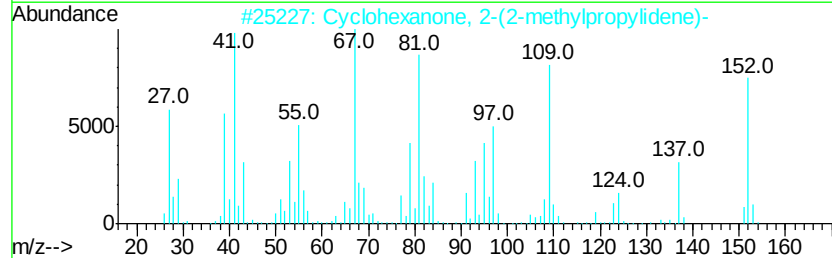
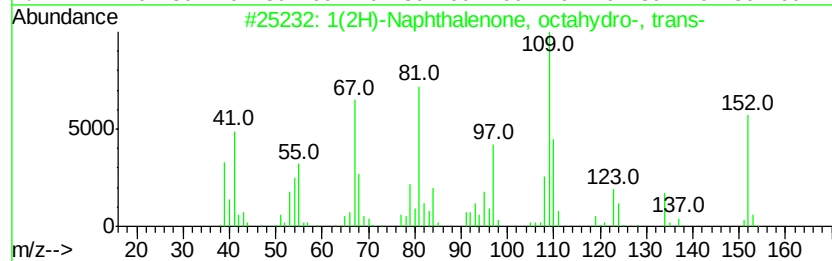
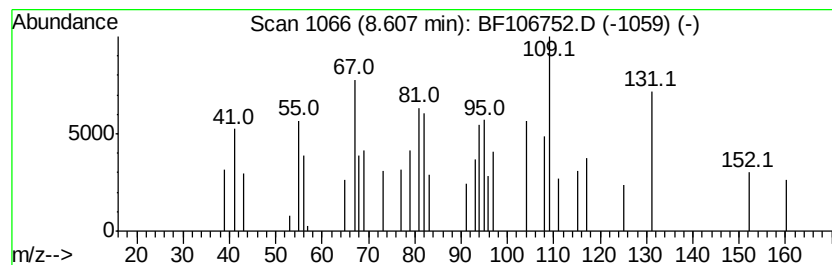
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 unknown8.61 Concentration Rank 11

| R.T. | EstConc | Area  | Relative to ISTD | R.T. |
|------|---------|-------|------------------|------|
| 8.61 | 2.54 ng | 33277 | Naphthalene-d8   | 8.24 |

| Hit# of | 5 | Tentative ID                          | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------------------------|-----|----------|-------------|------|
| 1       |   | 1(2H)-Naphthalenone, octahydro-,...   | 152 | C10H16O  | 021370-71-8 | 43   |
| 2       |   | Cyclohexanone, 2-(2-methylpropyl)-... | 152 | C10H16O  | 043108-69-6 | 35   |
| 3       |   | (+)-(E)-Limonene oxide                | 152 | C10H16O  | 006909-30-4 | 27   |
| 4       |   | 2,4-Bis(hydroxylamino)pyrimidine      | 142 | C4H6N4O2 | 154845-38-2 | 27   |
| 5       |   | Naphth[2,3-b]oxirene, decahydro-      | 152 | C10H16O  | 021399-51-9 | 27   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\  
Data File : BF106752.D  
Acq On : 23 Jun 2018 11:16  
Operator : JU/SJ  
Sample : J3597-03  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-44

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

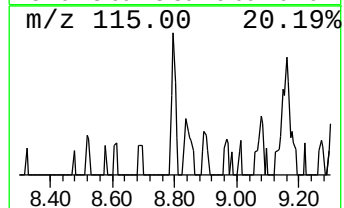
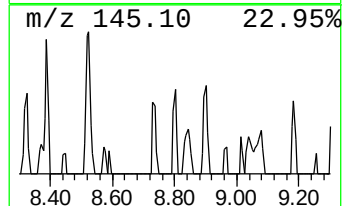
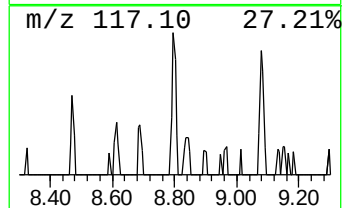
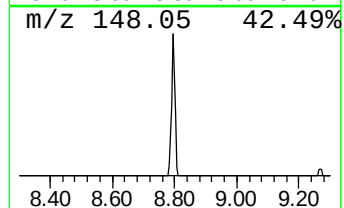
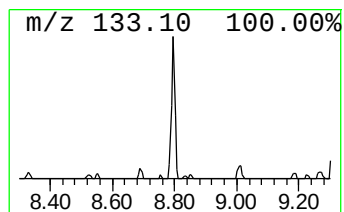
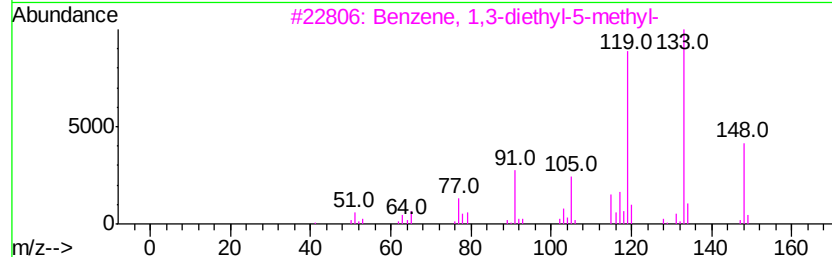
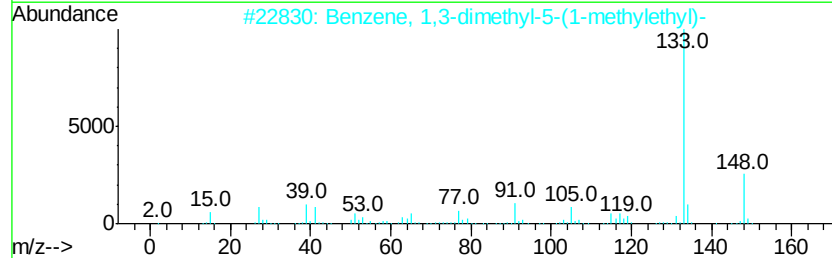
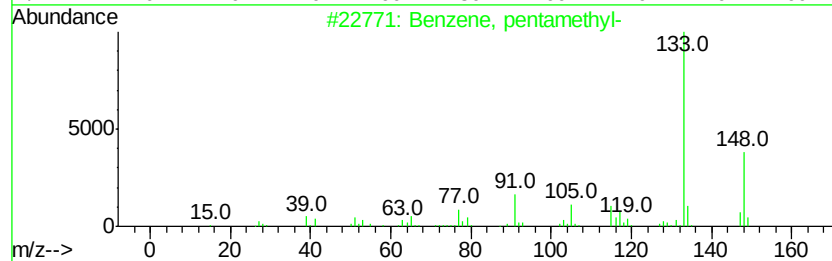
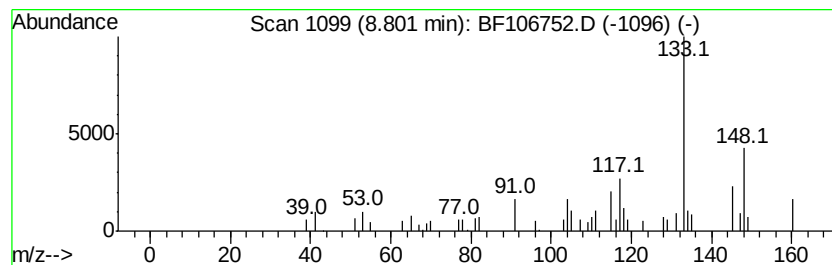
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Benzene, pentamethyl- Concentration Rank 9

| R.T. | EstConc | Area  | Relative to ISTD | R.T. |
|------|---------|-------|------------------|------|
| 8.80 | 4.02 ng | 52672 | Naphthalene-d8   | 8.24 |

| Hit# of | 5                                     | Tentative ID | MW     | MolForm      | CAS# | Qual |
|---------|---------------------------------------|--------------|--------|--------------|------|------|
| 1       | Benzene, pentamethyl-                 | 148          | C11H16 | 000700-12-9  | 95   |      |
| 2       | Benzene, 1,3-dimethyl-5-(1-methyl-... | 148          | C11H16 | 004706-90-5  | 87   |      |
| 3       | Benzene, 1,3-diethyl-5-methyl-        | 148          | C11H16 | 002050-24-0  | 86   |      |
| 4       | 3,4-Dimethylcumene                    | 148          | C11H16 | 1000370-34-1 | 83   |      |
| 5       | Benzene, 1-ethyl-4-(1-methylethyl)-   | 148          | C11H16 | 004218-48-8  | 80   |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\  
Data File : BF106752.D  
Acq On : 23 Jun 2018 11:16  
Operator : JU/SJ  
Sample : J3597-03  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-44

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

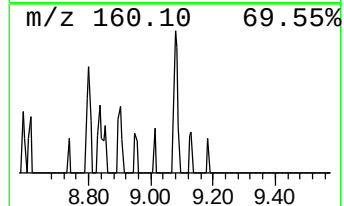
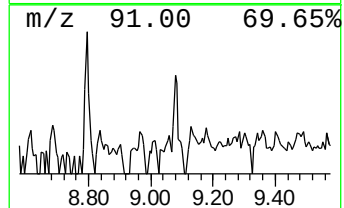
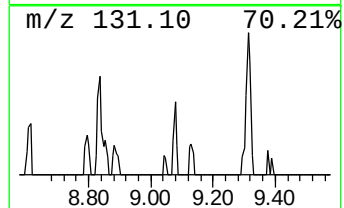
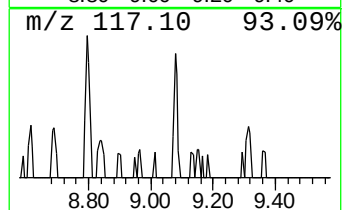
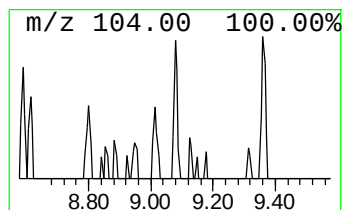
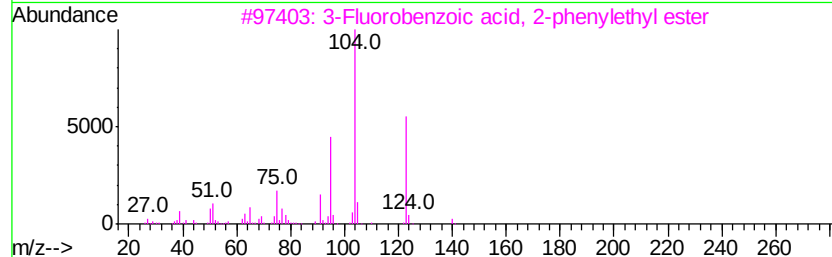
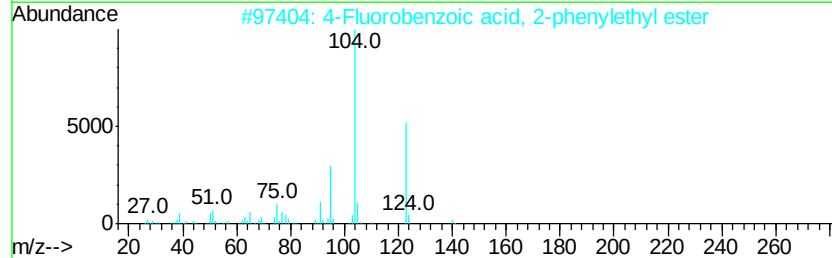
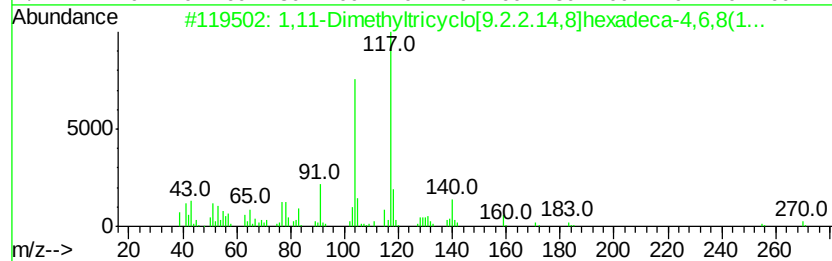
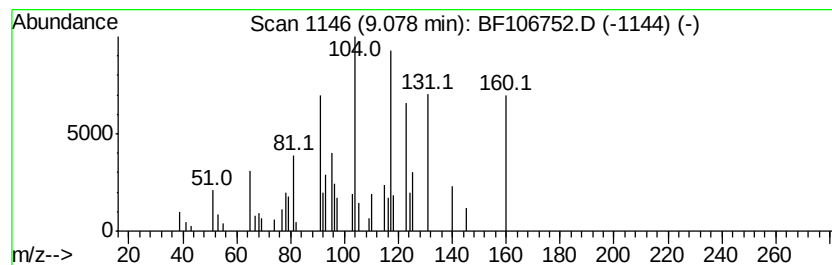
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 unknown9.08 Concentration Rank 12

| R.T. | EstConc | Area  | Relative to ISTD | R.T. |
|------|---------|-------|------------------|------|
| 9.08 | 2.19 ng | 28650 | Naphthalene-d8   | 8.24 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1,11-Dimethyltricyclo[9.2.2.14,8... | 270 | C18H22O2  | 1000311-68-2 | 16   |
| 2    |    | 4-Fluorobenzoic acid, 2-phenylet... | 244 | C15H13FO2 | 090172-19-3  | 16   |
| 3    |    | 3-Fluorobenzoic acid, 2-phenylet... | 244 | C15H13FO2 | 1000279-04-8 | 16   |
| 4    |    | 2-Fluorobenzoic acid, 2-phenylet... | 244 | C15H13FO2 | 1000278-98-3 | 16   |
| 5    |    | Benzene, (3-methyl-4-pentenyl)-     | 160 | C12H16    | 042524-30-1  | 10   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\  
Data File : BF106752.D  
Acq On : 23 Jun 2018 11:16  
Operator : JU/SJ  
Sample : J3597-03  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-44

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

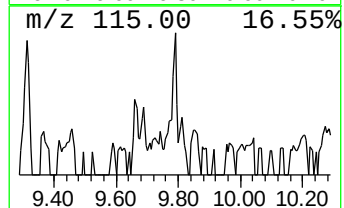
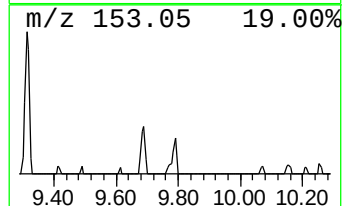
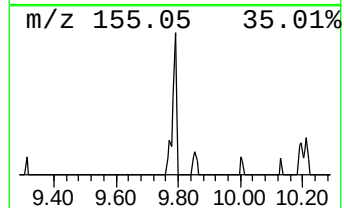
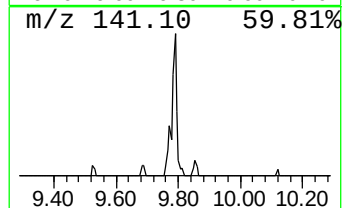
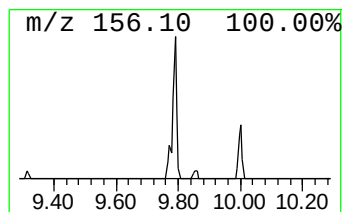
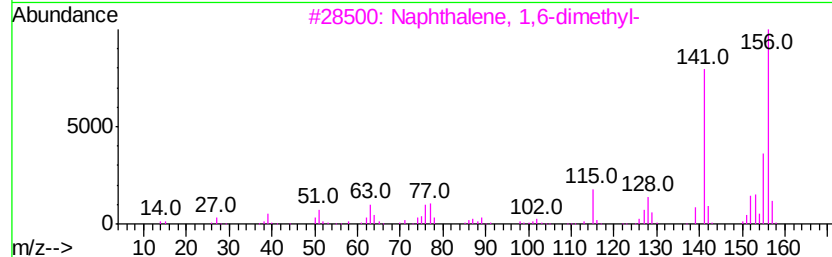
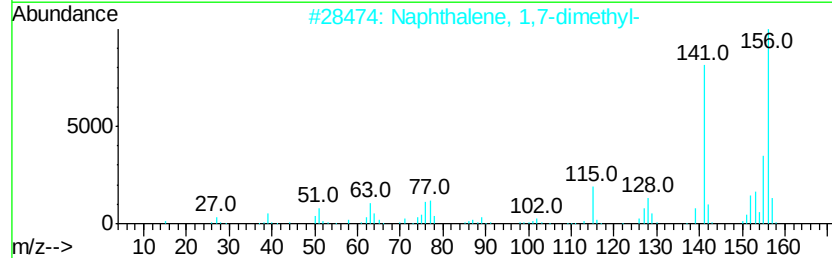
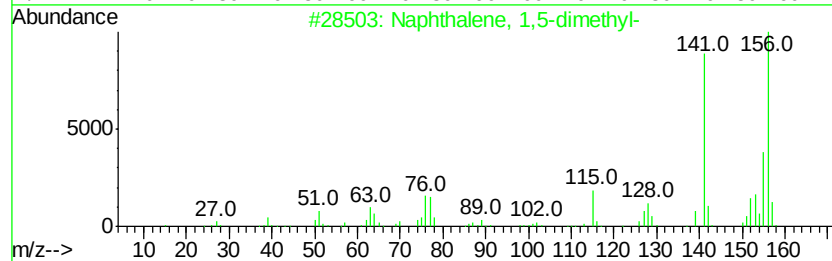
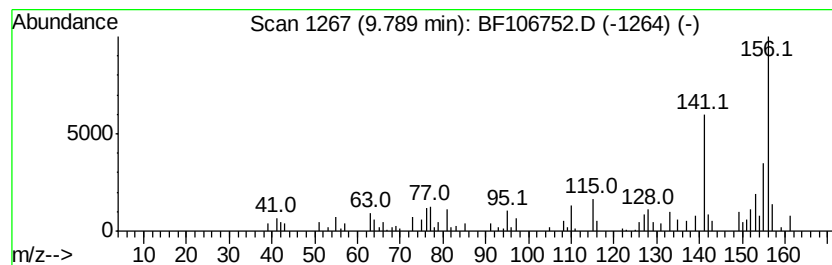
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 Naphthalene, 1,5-dimethyl- Concentration Rank 16

| R.T. | EstConc | Area  | Relative to ISTD | R.T.  |
|------|---------|-------|------------------|-------|
| 9.79 | 2.05 ng | 26177 | Acenaphthene-d10 | 10.00 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 98   |
| 2    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 98   |
| 3    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 4    |    | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 5    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 96   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\  
Data File : BF106752.D  
Acq On : 23 Jun 2018 11:16  
Operator : JU/SJ  
Sample : J3597-03  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-44

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

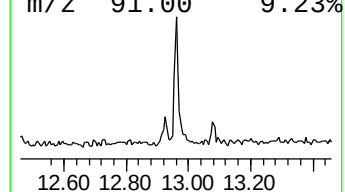
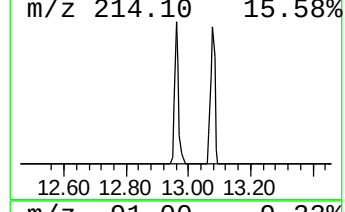
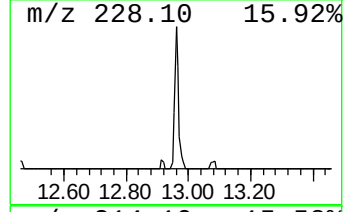
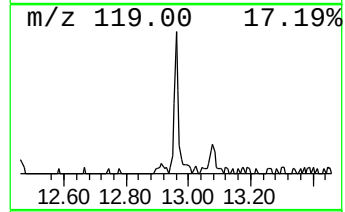
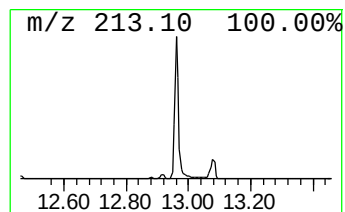
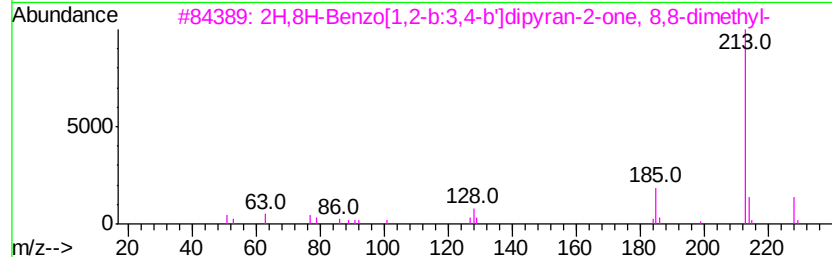
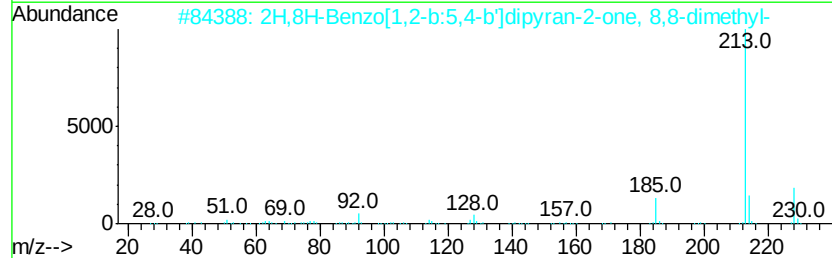
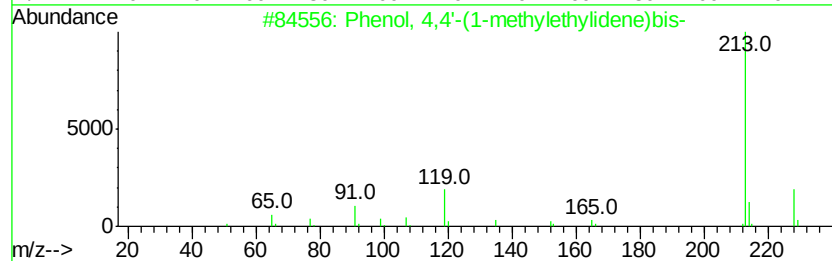
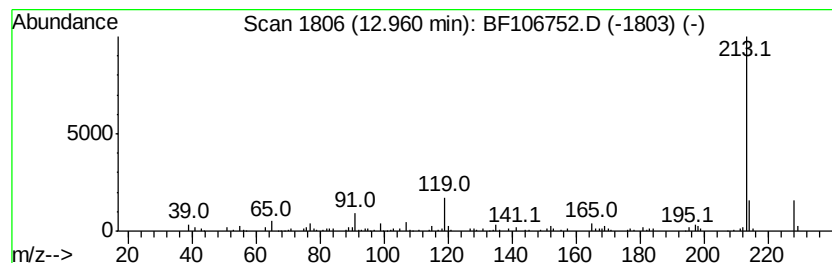
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Phenol, 4,4'-(1-methylethyl... Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.96 | 6.88 ng | 116560 | Chrysene-d12     | 14.15 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Phenol, 4,4'-(1-methylethylidene... | 228 | C15H16O2  | 000080-05-7  | 98   |
| 2    |    | 2H,8H-Benzo[1,2-b:5,4-b']dipyran... | 228 | C14H12O3  | 000553-19-5  | 64   |
| 3    |    | 2H,8H-Benzo[1,2-b:3,4-b']dipyran... | 228 | C14H12O3  | 000523-59-1  | 59   |
| 4    |    | 4H-Pyrazolo[5,1-c]-1,4-benzodiaz... | 213 | C11H7N3O2 | 1000277-20-1 | 59   |
| 5    |    | Decanedioic acid, diethyl ester     | 258 | C14H26O4  | 000110-40-7  | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\  
 Data File : BF106752.D  
 Acq On : 23 Jun 2018 11:16  
 Operator : JU/SJ  
 Sample : J3597-03  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-44

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

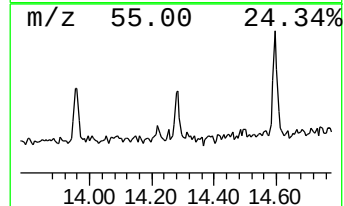
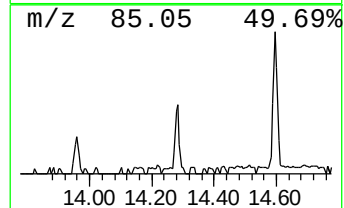
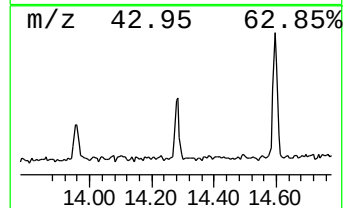
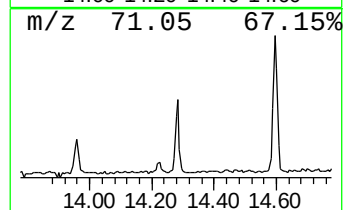
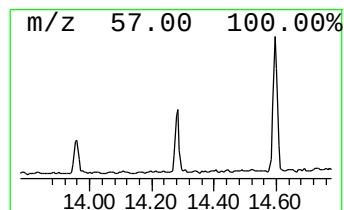
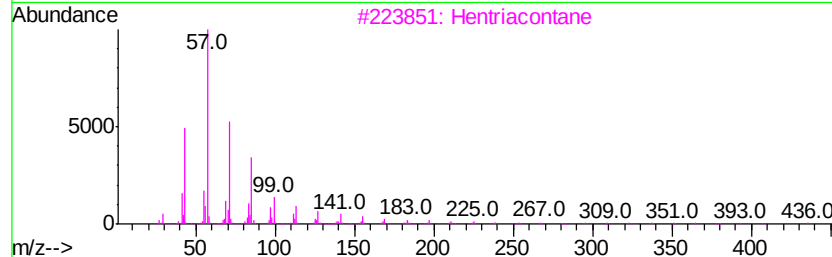
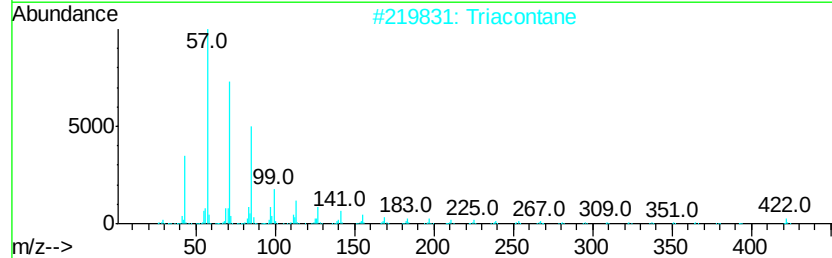
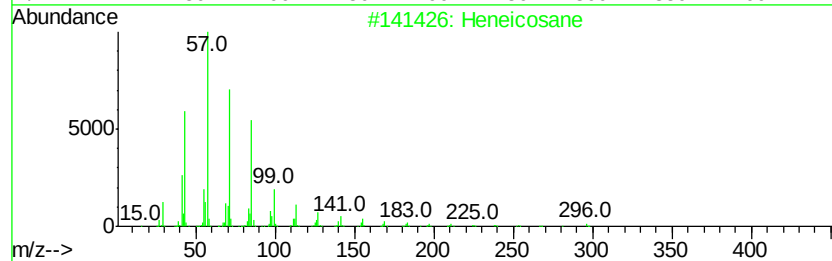
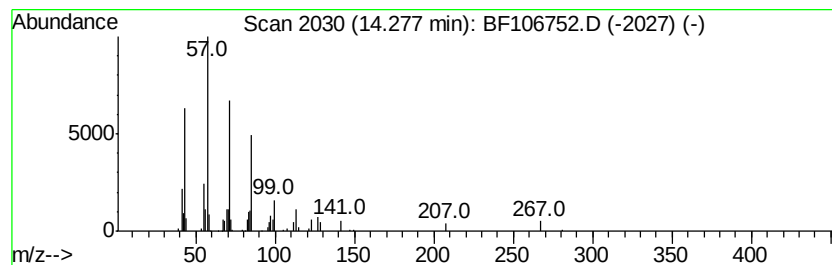
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 11 Heneicosane Concentration Rank 15

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.28 | 2.06 ng | 34928 | Chrysene-d12     | 14.15 |

| Hit# | of | Tentative ID   | MW  | MolForm | CAS#        | Qual |
|------|----|----------------|-----|---------|-------------|------|
| 1    | 5  | Heneicosane    | 296 | C21H44  | 000629-94-7 | 90   |
| 2    |    | Triacontane    | 422 | C30H62  | 000638-68-6 | 86   |
| 3    |    | Hentriacontane | 437 | C31H64  | 000630-04-6 | 86   |
| 4    |    | Tetracosane    | 338 | C24H50  | 000646-31-1 | 86   |
| 5    |    | Octadecane     | 254 | C18H38  | 000593-45-3 | 86   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\  
Data File : BF106752.D  
Acq On : 23 Jun 2018 11:16  
Operator : JU/SJ  
Sample : J3597-03  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-44

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

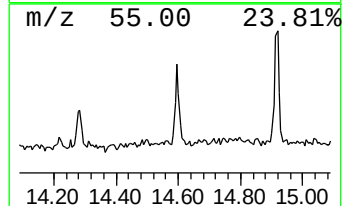
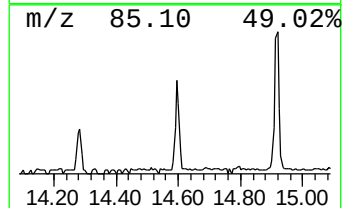
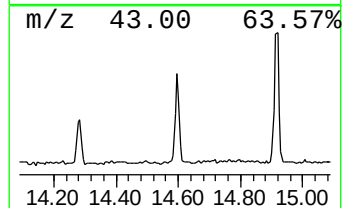
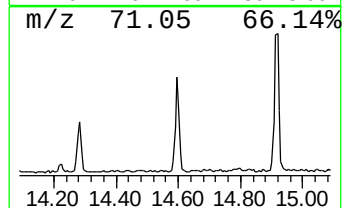
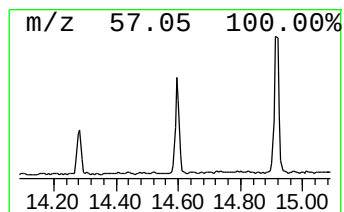
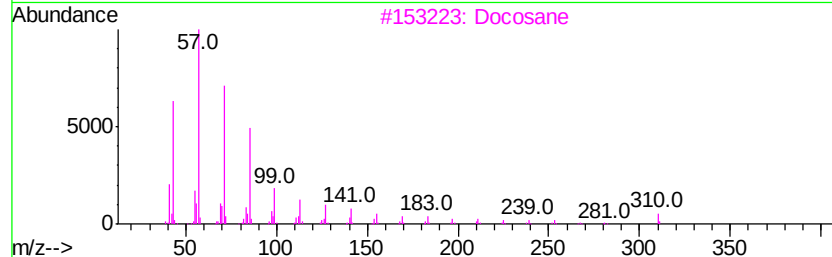
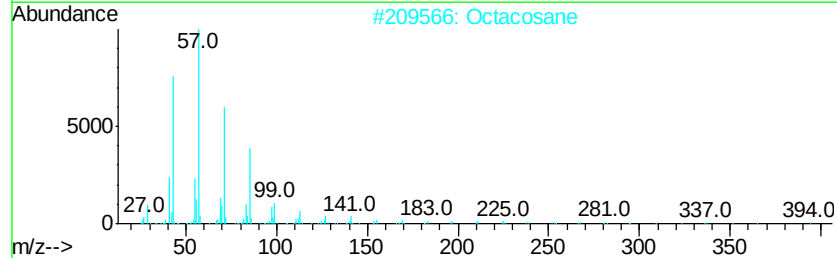
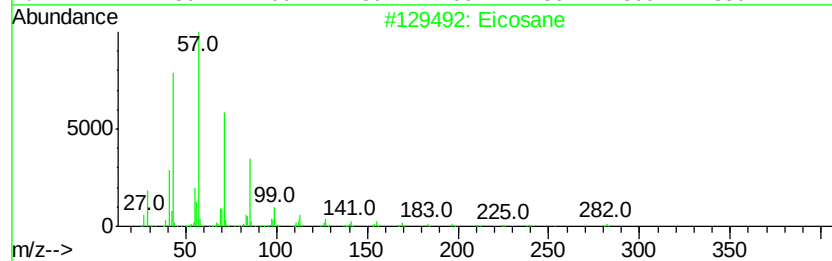
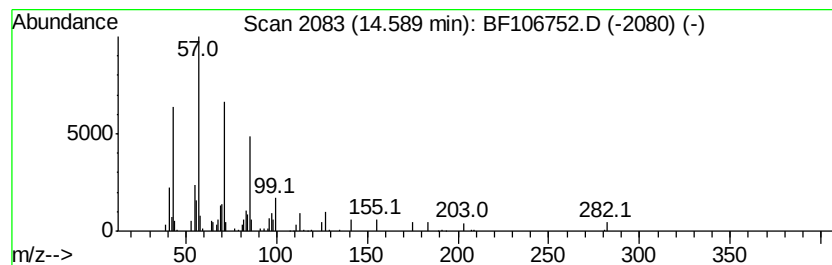
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Eicosane Concentration Rank 8

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.59 | 4.90 ng | 83114 | Chrysene-d12     | 14.15 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Eicosane           | 282 | C20H42  | 000112-95-8  | 97   |
| 2    |    | Octacosane         | 394 | C28H58  | 000630-02-4  | 91   |
| 3    |    | Docosane           | 310 | C22H46  | 000629-97-0  | 91   |
| 4    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |
| 5    |    | Heneicosane        | 296 | C21H44  | 000629-94-7  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\  
Data File : BF106752.D  
Acq On : 23 Jun 2018 11:16  
Operator : JU/SJ  
Sample : J3597-03  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
W-44

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

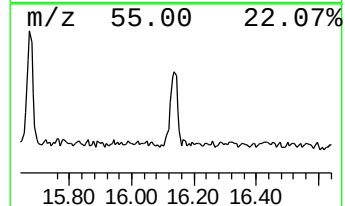
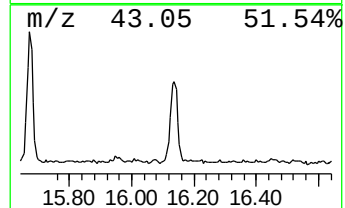
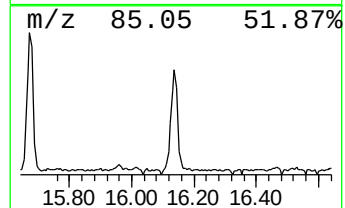
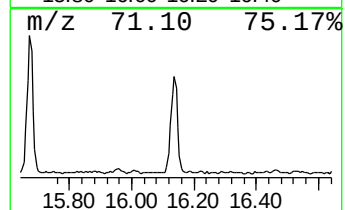
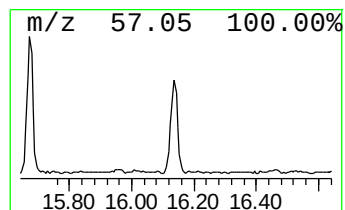
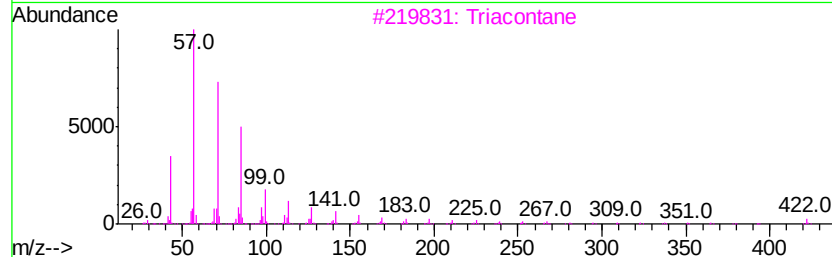
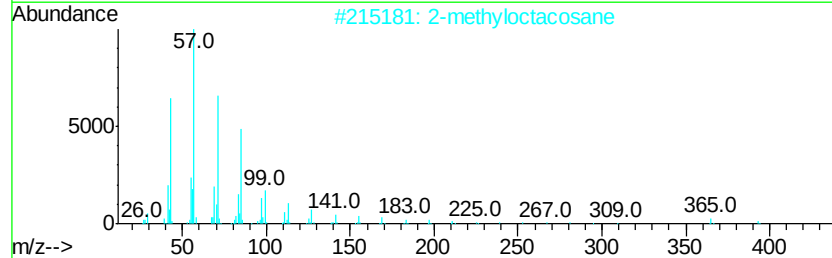
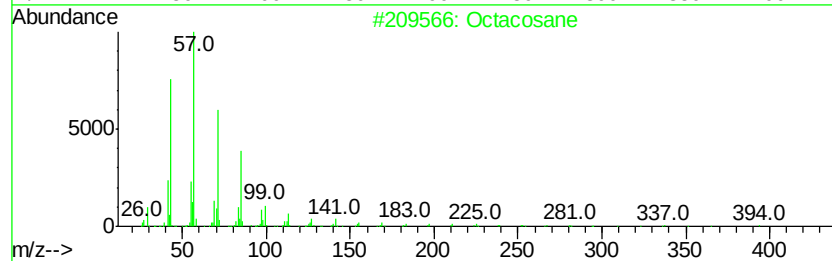
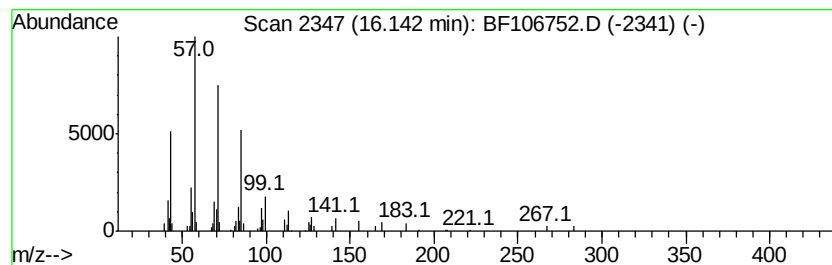
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 Octacosane Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 16.14 | 6.27 ng | 117160 | Perylene-d12     | 15.69 |

| Hit# | of | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|--------------------|-----|---------|--------------|------|
| 1    | 5  | Octacosane         | 394 | C28H58  | 000630-02-4  | 91   |
| 2    |    | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 91   |
| 3    |    | Triacontane        | 422 | C30H62  | 000638-68-6  | 91   |
| 4    |    | Heneicosane        | 296 | C21H44  | 000629-94-7  | 91   |
| 5    |    | Octadecane         | 254 | C18H38  | 000593-45-3  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\  
 Data File : BF106752.D  
 Acq On : 23 Jun 2018 11:16  
 Operator : JU/SJ  
 Sample : J3597-03  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-44

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

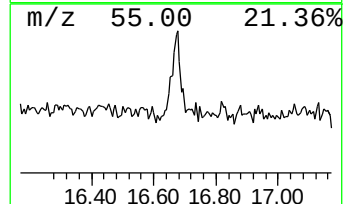
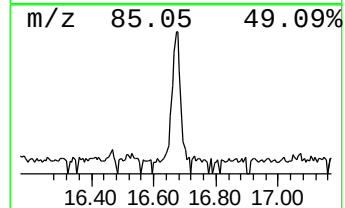
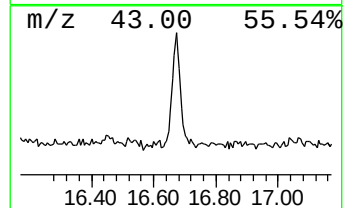
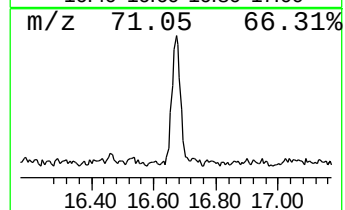
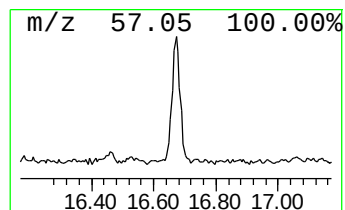
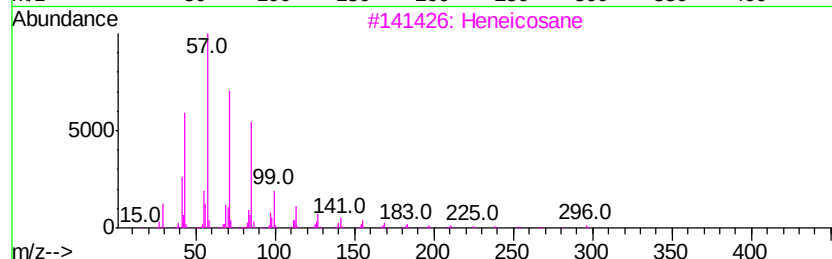
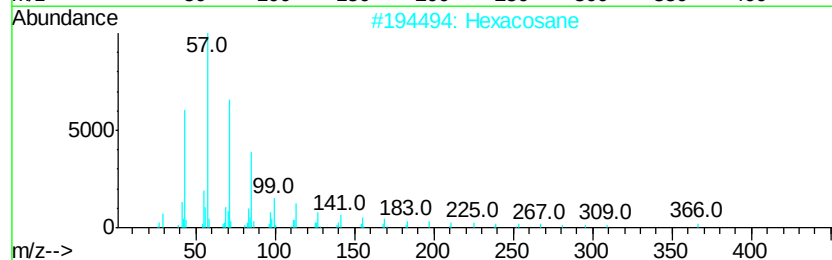
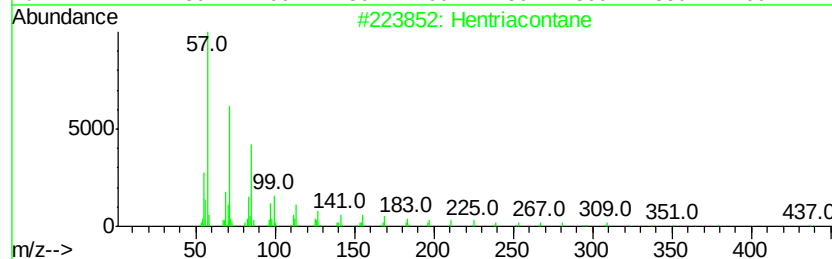
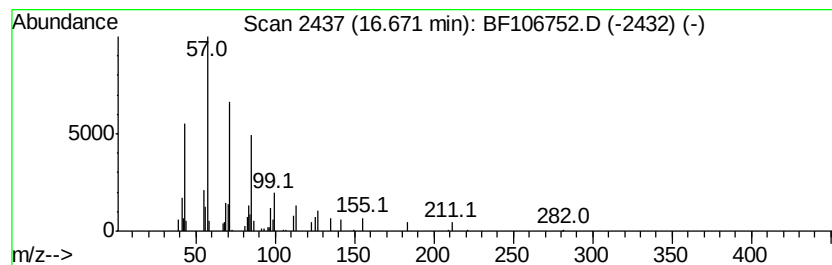
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 16 Hentriacontane Concentration Rank 10

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 16.67 | 3.16 ng | 59034 | Perylene-d12     | 15.69 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Hentriacontane        | 437 | C31H64  | 000630-04-6 | 91   |
| 2    |    |   | Hexacosane            | 366 | C26H54  | 000630-01-3 | 91   |
| 3    |    |   | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |
| 4    |    |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 90   |
| 5    |    |   | Nonadecane, 2-methyl- | 282 | C20H42  | 001560-86-7 | 90   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062218\  
 Data File : BF106752.D  
 Acq On : 23 Jun 2018 11:16  
 Operator : JU/SJ  
 Sample : J3597-03  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 W-44

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF061918.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... | 5.19  | 2.2     | ng    | 28211    | 1                     | 6.96  | 260691 | 20.0 |
| Benzene, chloro-     | 5.28  | 16.7    | ng    | 217917   | 1                     | 6.96  | 260691 | 20.0 |
| unknown6.74          | 6.74  | 62.7    | ng    | 816986   | 1                     | 6.96  | 260691 | 20.0 |
| Benzene, 1-methyl... | 7.60  | 2.1     | ng    | 27379    | 1                     | 6.96  | 260691 | 20.0 |
| unknown8.61          | 8.61  | 2.5     | ng    | 33277    | 2                     | 8.24  | 261924 | 20.0 |
| Benzene, pentamet... | 8.80  | 4.0     | ng    | 52672    | 2                     | 8.24  | 261924 | 20.0 |
| unknown9.08          | 9.08  | 2.2     | ng    | 28650    | 2                     | 8.24  | 261924 | 20.0 |
| Naphthalene, 1,5-... | 9.79  | 2.0     | ng    | 26177    | 3                     | 10.00 | 255326 | 20.0 |
| Phenol, 4,4'-(1-m... | 12.96 | 6.9     | ng    | 116560   | 5                     | 14.15 | 339054 | 20.0 |
| Heneicosane          | 14.28 | 2.1     | ng    | 34928    | 5                     | 14.15 | 339054 | 20.0 |
| Eicosane             | 14.59 | 4.9     | ng    | 83114    | 5                     | 14.15 | 339054 | 20.0 |
| Octacosane           | 16.14 | 6.3     | ng    | 117160   | 6                     | 15.69 | 373863 | 20.0 |
| Hentriacontane       | 16.67 | 3.2     | ng    | 59034    | 6                     | 15.69 | 373863 | 20.0 |