

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
 Data File : BF122062.D  
 Acq On : 21 Oct 2020 18:45  
 Operator : JU/CG  
 Sample : L4222-01 2X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-03-101920

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-BF101220.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122062.D\data.ms

| 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         | 5.346       | 551           | 554         | 568          | rBV      | 1022703        | 1263726       | 90.71%          | 2.776%        |
| 2         | 6.375       | 725           | 729         | 739          | rBV      | 1071649        | 1338156       | 96.05%          | 2.939%        |
| 3         | 6.557       | 756           | 760         | 766          | rBV2     | 154381         | 178225        | 12.79%          | 0.391%        |
| 4         | 6.722       | 784           | 788         | 795          | rVB2     | 788374         | 880869        | 63.23%          | 1.935%        |
| 5         | 6.869       | 810           | 813         | 817          | rVB      | 158584         | 143658        | 10.31%          | 0.316%        |
| 6         | 6.998       | 829           | 835         | 838          | rVB3     | 175873         | 234807        | 16.85%          | 0.516%        |
| 7         | 7.028       | 838           | 840         | 844          | rBV2     | 115756         | 124873        | 8.96%           | 0.274%        |
| 8         | 7.063       | 844           | 846         | 851          | rVB2     | 157783         | 145943        | 10.48%          | 0.321%        |
| 9         | 7.110       | 851           | 854         | 858          | rBV2     | 351843         | 358749        | 25.75%          | 0.788%        |
| 10        | 7.145       | 858           | 860         | 865          | rVB4     | 85693          | 107359        | 7.71%           | 0.236%        |
| 11        | 7.263       | 873           | 880         | 882          | rBV2     | 271257         | 391605        | 28.11%          | 0.860%        |
| 12        | 7.292       | 882           | 885         | 888          | rBV      | 997889         | 899725        | 64.58%          | 1.976%        |
| 13        | 7.322       | 888           | 890         | 893          | rVB      | 596703         | 454968        | 32.66%          | 0.999%        |
| 14        | 7.369       | 893           | 898         | 901          | rVB5     | 279519         | 460325        | 33.04%          | 1.011%        |
| 15        | 7.410       | 901           | 905         | 907          | rBV4     | 171395         | 237142        | 17.02%          | 0.521%        |
| 16        | 7.440       | 907           | 910         | 914          | rVB6     | 167201         | 187580        | 13.46%          | 0.412%        |
| 17        | 7.481       | 914           | 917         | 918          | rBV2     | 101066         | 97071         | 6.97%           | 0.213%        |
| 18        | 7.504       | 918           | 921         | 923          | rBV2     | 216798         | 233711        | 16.78%          | 0.513%        |
| 19        | 7.528       | 923           | 925         | 928          | rVB2     | 601310         | 493284        | 35.41%          | 1.084%        |
| 20        | 7.645       | 936           | 945         | 950          | rBV7     | 396826         | 961173        | 68.99%          | 2.111%        |
| 21        | 7.692       | 950           | 953         | 955          | rBV2     | 329187         | 309514        | 22.22%          | 0.680%        |
| 22        | 7.728       | 955           | 959         | 961          | rBV3     | 270056         | 252034        | 18.09%          | 0.554%        |
| 23        | 7.757       | 961           | 964         | 969          | rVB5     | 326325         | 423681        | 30.41%          | 0.931%        |
| 24        | 7.804       | 969           | 972         | 974          | rBV      | 242785         | 172369        | 12.37%          | 0.379%        |
| 25        | 7.828       | 974           | 976         | 978          | rBV2     | 225388         | 180334        | 12.94%          | 0.396%        |
| 26        | 7.887       | 981           | 986         | 988          | rBV3     | 207187         | 331119        | 23.77%          | 0.727%        |
| 27        | 7.910       | 988           | 990         | 993          | rVB2     | 211202         | 161635        | 11.60%          | 0.355%        |
| 28        | 7.963       | 993           | 999         | 1001         | rBV4     | 281837         | 480200        | 34.47%          | 1.055%        |
| 29        | 7.992       | 1001          | 1004        | 1006         | rVV2     | 1200294        | 1366966       | 98.12%          | 3.003%        |
| 30        | 8.010       | 1006          | 1007        | 1010         | rVV      | 1190109        | 691128        | 49.61%          | 1.518%        |
| 31        | 8.034       | 1010          | 1011        | 1013         | rVV      | 181321         | 154315        | 11.08%          | 0.339%        |
| 32        | 8.069       | 1013          | 1017        | 1020         | rVB      | 912357         | 1053963       | 75.65%          | 2.315%        |
| 33        | 8.098       | 1020          | 1022        | 1025         | rBV2     | 352797         | 336756        | 24.17%          | 0.740%        |
| 34        | 8.163       | 1029          | 1033        | 1034         | rBV2     | 208427         | 223842        | 16.07%          | 0.492%        |
| 35        | 8.210       | 1038          | 1041        | 1043         | rVB2     | 424838         | 386044        | 27.71%          | 0.848%        |
| 36        | 8.298       | 1051          | 1056        | 1063         | rBV6     | 643984         | 1043801       | 74.92%          | 2.293%        |

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 Sample : L4222-01 2X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-03-101920

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-BF101220.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 37 | 8.351  | 1063 | 1065 | 1068 | rVB2 | 432217  | 348648  | 25.03%  | 0.766% |
| 38 | 8.387  | 1068 | 1071 | 1075 | rVB3 | 597460  | 584979  | 41.99%  | 1.285% |
| 39 | 8.428  | 1075 | 1078 | 1080 | rBV  | 1233100 | 1128174 | 80.98%  | 2.478% |
| 40 | 8.451  | 1080 | 1082 | 1083 | rVB2 | 218106  | 156361  | 11.22%  | 0.343% |
| 41 | 8.510  | 1089 | 1092 | 1095 | rVB2 | 423279  | 341753  | 24.53%  | 0.751% |
| 42 | 8.545  | 1095 | 1098 | 1100 | rBV3 | 275020  | 305572  | 21.93%  | 0.671% |
| 43 | 8.598  | 1104 | 1107 | 1111 | rBV  | 1348912 | 1283419 | 92.12%  | 2.819% |
| 44 | 8.663  | 1116 | 1118 | 1120 | rVV3 | 383302  | 443357  | 31.82%  | 0.974% |
| 45 | 8.692  | 1120 | 1123 | 1126 | rVB3 | 544902  | 716835  | 51.45%  | 1.575% |
| 46 | 8.757  | 1132 | 1134 | 1136 | rBV3 | 139134  | 110007  | 7.90%   | 0.242% |
| 47 | 8.781  | 1136 | 1138 | 1139 | rBV2 | 107347  | 109098  | 7.83%   | 0.240% |
| 48 | 8.828  | 1144 | 1146 | 1149 | rVB  | 458096  | 313061  | 22.47%  | 0.688% |
| 49 | 8.881  | 1153 | 1155 | 1157 | rBV3 | 425767  | 374291  | 26.87%  | 0.822% |
| 50 | 8.963  | 1165 | 1169 | 1172 | rVB3 | 455757  | 595562  | 42.75%  | 1.308% |
| 51 | 9.004  | 1173 | 1176 | 1177 | rVV  | 330234  | 275684  | 19.79%  | 0.606% |
| 52 | 9.028  | 1177 | 1180 | 1186 | rVV2 | 1202086 | 1092245 | 78.40%  | 2.399% |
| 53 | 9.081  | 1186 | 1189 | 1192 | rVV  | 1638314 | 1331595 | 95.58%  | 2.925% |
| 54 | 9.116  | 1193 | 1195 | 1198 | rVB3 | 201656  | 180127  | 12.93%  | 0.396% |
| 55 | 9.163  | 1199 | 1203 | 1207 | rBV  | 1384920 | 1393163 | 100.00% | 3.060% |
| 56 | 9.204  | 1207 | 1210 | 1212 | rVV3 | 255554  | 318351  | 22.85%  | 0.699% |
| 57 | 9.234  | 1212 | 1215 | 1220 | rVB3 | 398379  | 455460  | 32.69%  | 1.000% |
| 58 | 9.351  | 1233 | 1235 | 1237 | rVB  | 195978  | 142426  | 10.22%  | 0.313% |
| 59 | 9.392  | 1240 | 1242 | 1244 | rVV3 | 170370  | 212487  | 15.25%  | 0.467% |
| 60 | 9.416  | 1244 | 1246 | 1248 | rVV2 | 342710  | 346344  | 24.86%  | 0.761% |
| 61 | 9.439  | 1248 | 1250 | 1252 | rVV2 | 348016  | 288755  | 20.73%  | 0.634% |
| 62 | 9.481  | 1252 | 1257 | 1259 | rVV3 | 1230728 | 1345816 | 96.60%  | 2.956% |
| 63 | 9.504  | 1259 | 1261 | 1264 | rVV2 | 444051  | 435464  | 31.26%  | 0.957% |
| 64 | 9.539  | 1264 | 1267 | 1269 | rVB  | 360566  | 277358  | 19.91%  | 0.609% |
| 65 | 9.628  | 1278 | 1282 | 1285 | rBV4 | 120283  | 158746  | 11.39%  | 0.349% |
| 66 | 9.663  | 1285 | 1288 | 1290 | rVV2 | 165380  | 162029  | 11.63%  | 0.356% |
| 67 | 9.692  | 1290 | 1293 | 1297 | rVB  | 716437  | 687125  | 49.32%  | 1.509% |
| 68 | 9.728  | 1297 | 1299 | 1301 | rBV3 | 172404  | 196750  | 14.12%  | 0.432% |
| 69 | 9.757  | 1301 | 1304 | 1308 | rVB  | 1162318 | 1054992 | 75.73%  | 2.317% |
| 70 | 9.863  | 1319 | 1322 | 1327 | rVB4 | 133076  | 132290  | 9.50%   | 0.291% |
| 71 | 9.916  | 1328 | 1331 | 1334 | rBV3 | 107144  | 163935  | 11.77%  | 0.360% |
| 72 | 10.010 | 1343 | 1347 | 1350 | rBV3 | 231774  | 255679  | 18.35%  | 0.562% |
| 73 | 10.081 | 1355 | 1359 | 1362 | rBV6 | 92198   | 139937  | 10.04%  | 0.307% |
| 74 | 10.186 | 1374 | 1377 | 1380 | rVV  | 459696  | 386405  | 27.74%  | 0.849% |
| 75 | 10.239 | 1384 | 1386 | 1392 | rVB5 | 75878   | 102376  | 7.35%   | 0.225% |
| 76 | 10.404 | 1409 | 1414 | 1420 | rVV  | 199068  | 268077  | 19.24%  | 0.589% |

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Instrument :  
 BNA\_F  
 ClientSampleId :  
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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-BF101220.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 77  | 10.551 | 1436 | 1439 | 1449 | rVB  | 763345  | 827931  | 59.43% | 1.819% |
| 78  | 10.657 | 1454 | 1457 | 1466 | rVB  | 323014  | 477007  | 34.24% | 1.048% |
| 79  | 11.104 | 1530 | 1533 | 1535 | rBV  | 217319  | 166286  | 11.94% | 0.365% |
| 80  | 11.133 | 1535 | 1538 | 1543 | rVB2 | 136339  | 154533  | 11.09% | 0.339% |
| 81  | 11.239 | 1553 | 1556 | 1559 | rBV  | 1041550 | 981442  | 70.45% | 2.156% |
| 82  | 11.263 | 1559 | 1560 | 1564 | rVV  | 118912  | 120212  | 8.63%  | 0.264% |
| 83  | 11.528 | 1602 | 1605 | 1608 | rVV  | 171959  | 130504  | 9.37%  | 0.287% |
| 84  | 11.633 | 1619 | 1623 | 1625 | rBV  | 392038  | 318451  | 22.86% | 0.700% |
| 85  | 11.933 | 1671 | 1674 | 1678 | rBV  | 144867  | 111288  | 7.99%  | 0.244% |
| 86  | 12.316 | 1736 | 1739 | 1740 | rVV  | 873444  | 719301  | 51.63% | 1.580% |
| 87  | 12.333 | 1740 | 1742 | 1749 | rVB  | 1293760 | 1330809 | 95.52% | 2.923% |
| 88  | 12.422 | 1754 | 1757 | 1760 | rVB  | 313673  | 247869  | 17.79% | 0.544% |
| 89  | 12.457 | 1760 | 1763 | 1768 | rBV  | 171554  | 174829  | 12.55% | 0.384% |
| 90  | 12.686 | 1796 | 1802 | 1808 | rVV2 | 206469  | 303783  | 21.81% | 0.667% |
| 91  | 12.822 | 1821 | 1825 | 1835 | rVB  | 1462937 | 1272432 | 91.33% | 2.795% |
| 92  | 13.051 | 1861 | 1864 | 1872 | rBV3 | 100485  | 148901  | 10.69% | 0.327% |
| 93  | 13.733 | 1975 | 1980 | 1987 | rVB2 | 92504   | 218212  | 15.66% | 0.479% |
| 94  | 13.880 | 2001 | 2005 | 2008 | rBV  | 870372  | 853652  | 61.27% | 1.875% |
| 95  | 14.033 | 2028 | 2031 | 2036 | rBV2 | 101209  | 110746  | 7.95%  | 0.243% |
| 96  | 14.339 | 2080 | 2083 | 2086 | rBV  | 116665  | 111435  | 8.00%  | 0.245% |
| 97  | 14.951 | 2185 | 2187 | 2191 | rVB  | 136147  | 153490  | 11.02% | 0.337% |
| 98  | 15.315 | 2244 | 2249 | 2253 | rBV  | 641539  | 795283  | 57.08% | 1.747% |
| 99  | 15.715 | 2314 | 2317 | 2322 | rVB  | 104789  | 117472  | 8.43%  | 0.258% |
| 100 | 15.939 | 2352 | 2355 | 2365 | rVB  | 173904  | 304067  | 21.83% | 0.668% |

Sum of corrected areas: 45525318



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Instrument :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF10220.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

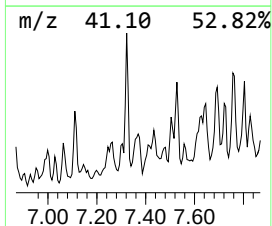
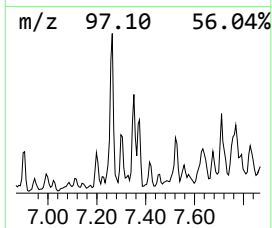
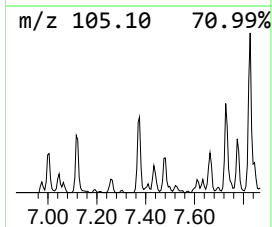
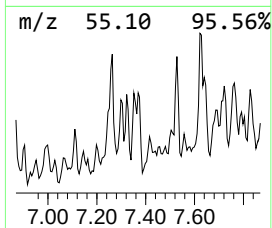
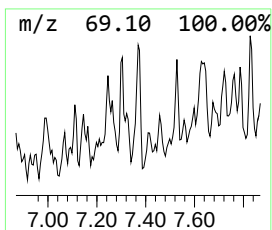
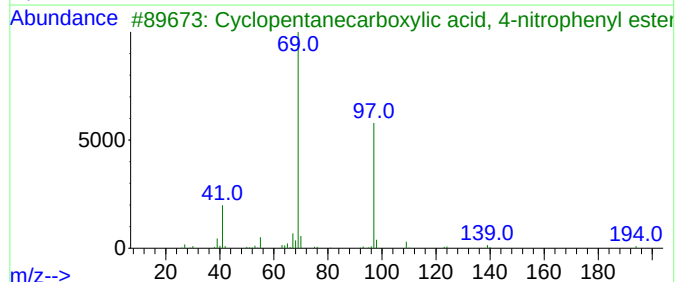
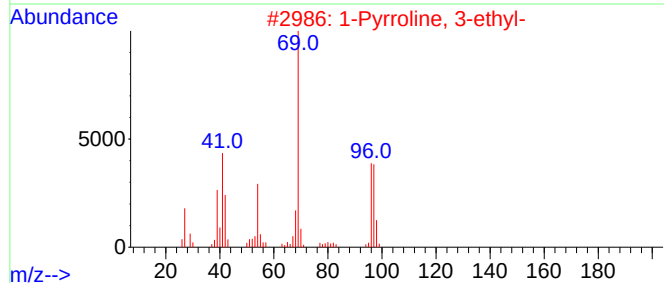
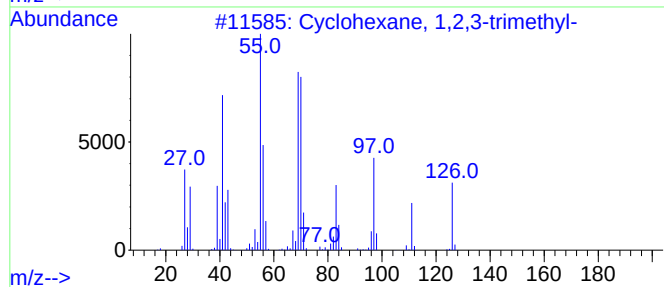
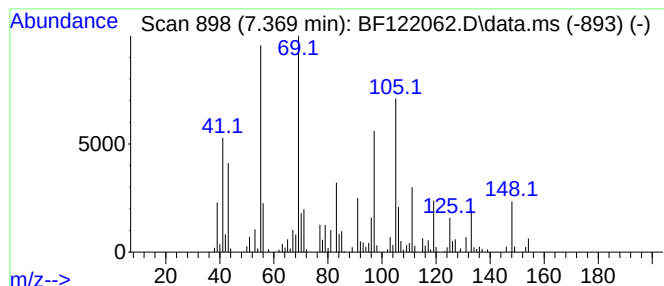
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown7.369 Concentration Rank 19

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 7.369 | 10.45 ng | 460325 | 1,4-Dichlorobenzene-d4 | 6.728 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Cyclohexane, 1,2,3-trimethyl-       | 126 | C9H18     | 001678-97-3  | 47   |
| 2    |    |   | 1-Pyrroline, 3-ethyl-               | 97  | C6H11N    | 1000073-06-0 | 35   |
| 3    |    |   | Cyclopentanecarboxylic acid, 4-n... | 235 | C12H13NO4 | 1000307-58-0 | 35   |
| 4    |    |   | Cyclooctanemethanol                 | 142 | C9H18O    | 003637-63-6  | 35   |
| 5    |    |   | Cyclooctane, butyl-                 | 168 | C12H24    | 016538-93-5  | 27   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF102120.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

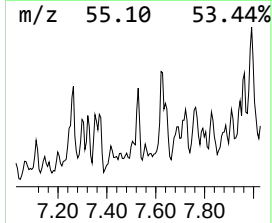
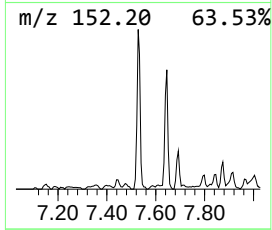
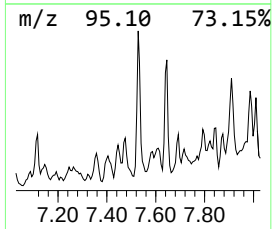
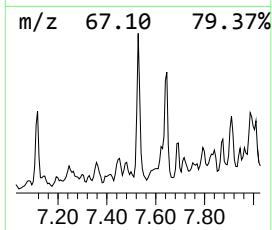
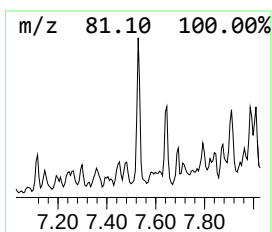
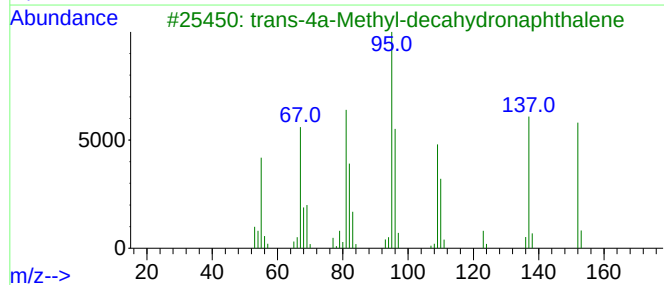
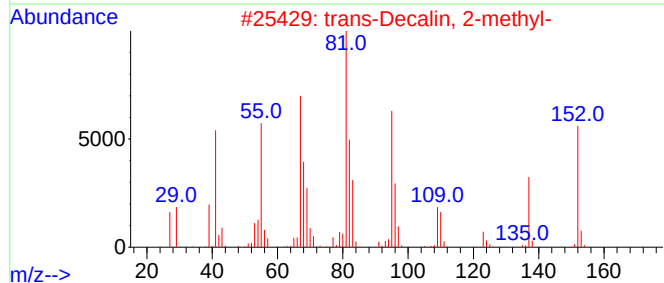
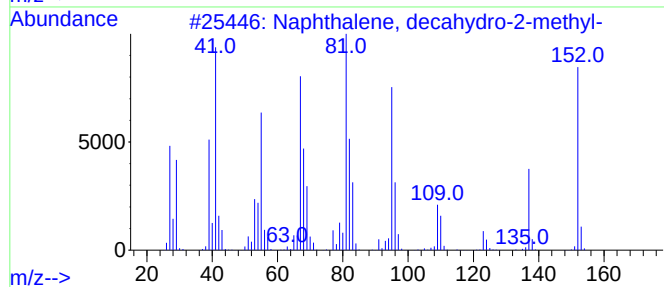
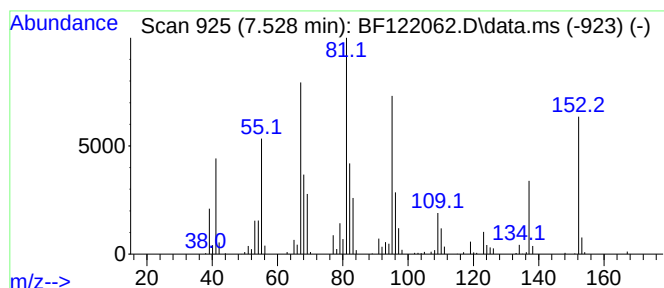
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Naphthalene, decahydro-2-me... Concentration Rank 12

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 7.528 | 14.27 ng | 493284 | Naphthalene-d8   | 8.010 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1  | 97   |
| 2    |    |   | trans-Decalin, 2-methyl-            | 152 | C11H20  | 1000152-47-3 | 94   |
| 3    |    |   | trans-4a-Methyl-decahydronaphtha... | 152 | C11H20  | 002547-27-5  | 89   |
| 4    |    |   | Cyclodecene, 1-methyl-              | 152 | C11H20  | 066633-38-3  | 80   |
| 5    |    |   | Cyclohexanone, 2-methyl-5-(1-met... | 152 | C10H16O | 005948-04-9  | 70   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
Data File : BF122062.D  
Acq On : 21 Oct 2020 18:45  
Operator : JU/CG  
Sample : L4222-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-101920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF102120.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

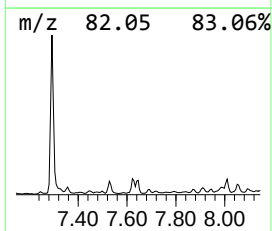
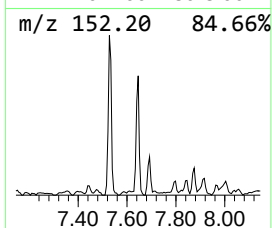
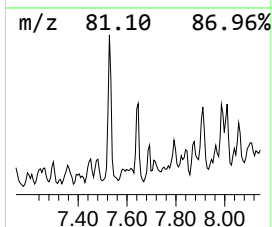
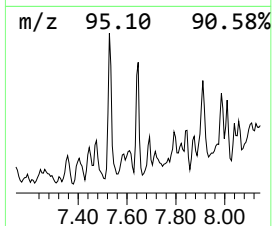
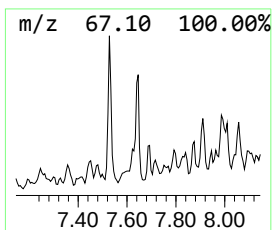
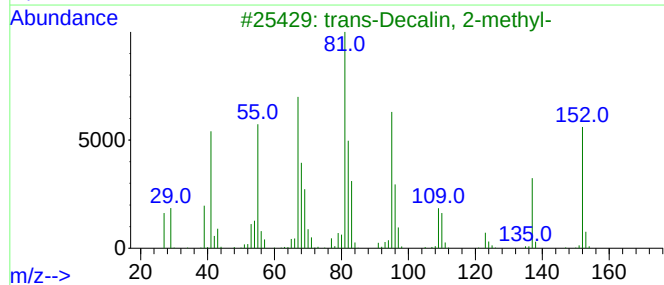
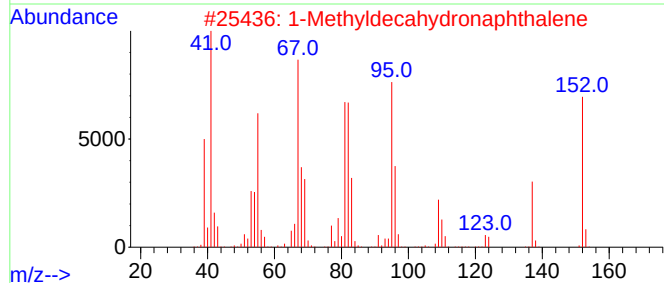
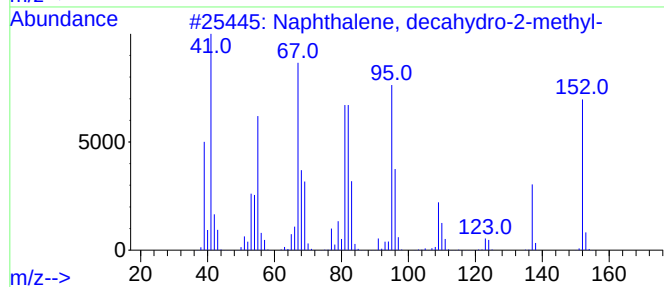
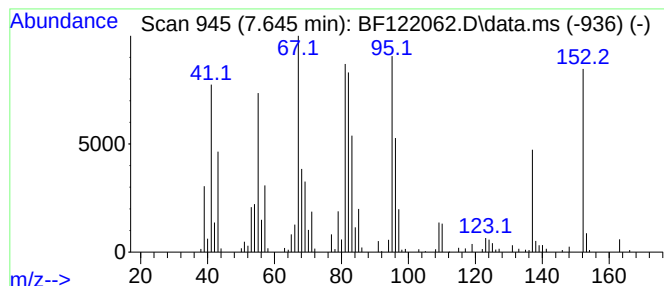
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 1-Methyldecahydronaphthalene Concentration Rank 5

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 7.645 | 27.81 ng | 961173 | Naphthalene-d8   | 8.010 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, decahydro-2-methyl-    | 152 | C11H20  | 002958-76-1  | 86   |
| 2    |    |   | 1-Methyldecahydronaphthalene        | 152 | C11H20  | 002958-75-0  | 86   |
| 3    |    |   | trans-Decalin, 2-methyl-            | 152 | C11H20  | 1000152-47-3 | 81   |
| 4    |    |   | Bicyclo[3.1.1]heptane, 2,6,6-tri... | 138 | C10H18  | 004795-86-2  | 58   |
| 5    |    |   | Bicyclo[4.1.0]heptane, 2-methyl-    | 110 | C8H14   | 041977-46-2  | 55   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
Data File : BF122062.D  
Acq On : 21 Oct 2020 18:45  
Operator : JU/CG  
Sample : L4222-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-101920

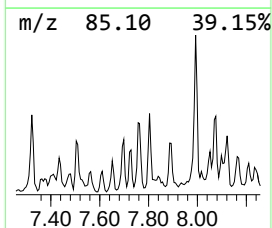
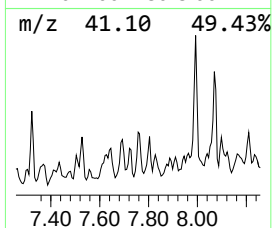
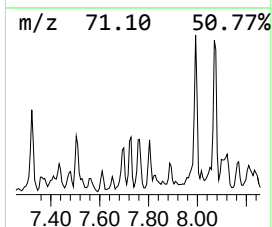
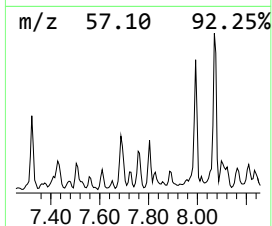
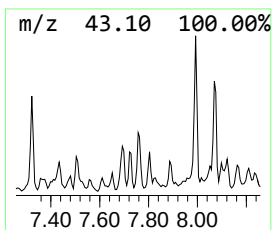
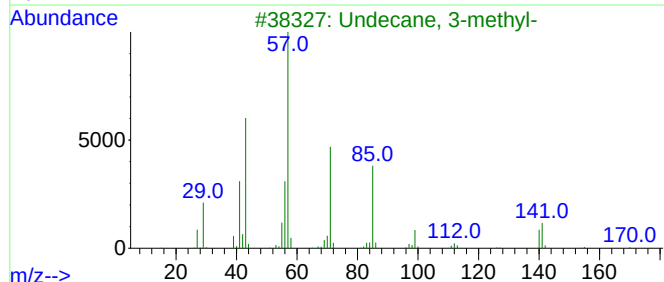
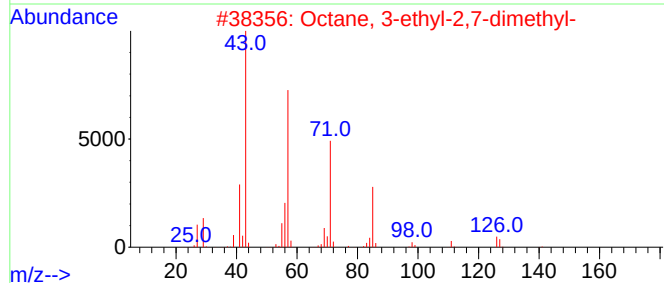
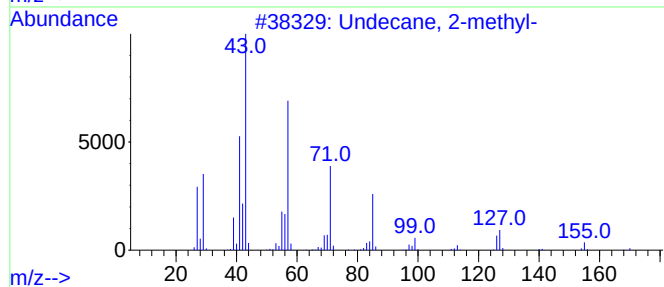
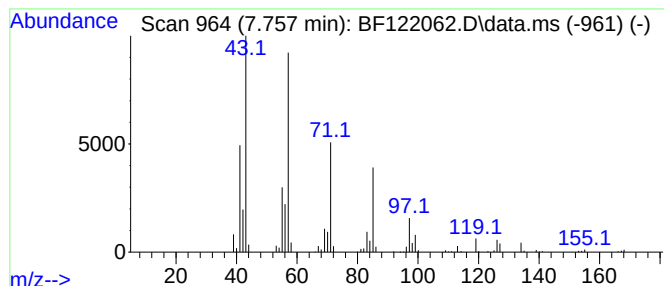
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 Undecane, 2-methyl- Concentration Rank 15

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 7.757 | 12.26 ng | 423681 | Naphthalene-d8   | 8.010 |

| Hit# | of | 5 | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------|-----|---------|-------------|------|
| 1    |    |   | Undecane, 2-methyl-           | 170 | C12H26  | 007045-71-8 | 72   |
| 2    |    |   | Octane, 3-ethyl-2,7-dimethyl- | 170 | C12H26  | 062183-55-5 | 64   |
| 3    |    |   | Undecane, 3-methyl-           | 170 | C12H26  | 001002-43-3 | 53   |
| 4    |    |   | Octane, 2-methyl-             | 128 | C9H20   | 003221-61-2 | 53   |
| 5    |    |   | Hexadecane                    | 226 | C16H34  | 000544-76-3 | 53   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
Data File : BF122062.D  
Acq On : 21 Oct 2020 18:45  
Operator : JU/CG  
Sample : L4222-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-101920

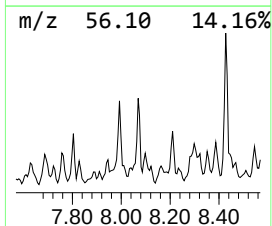
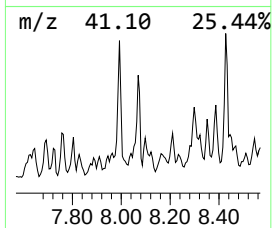
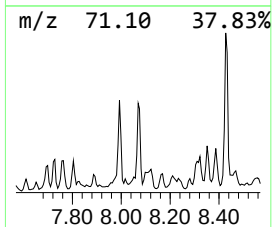
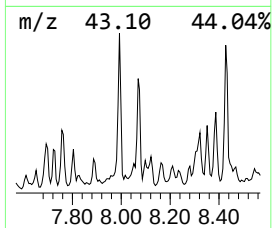
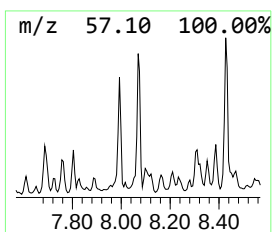
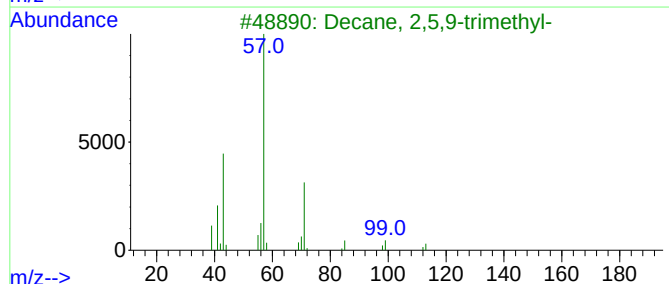
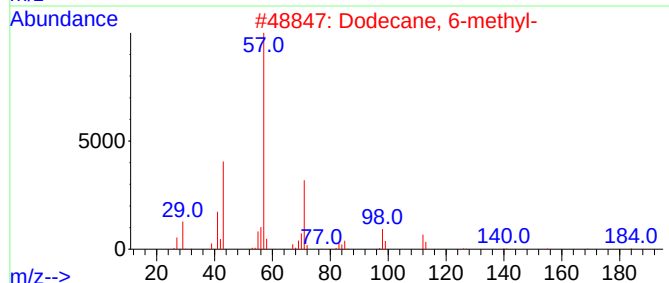
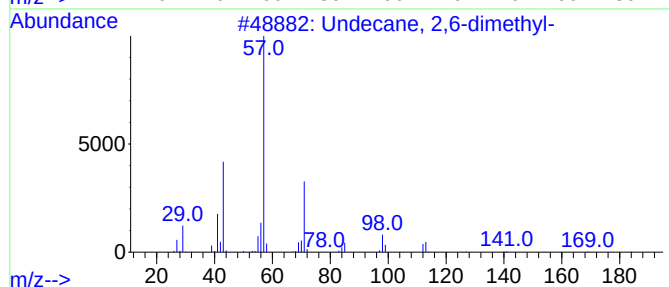
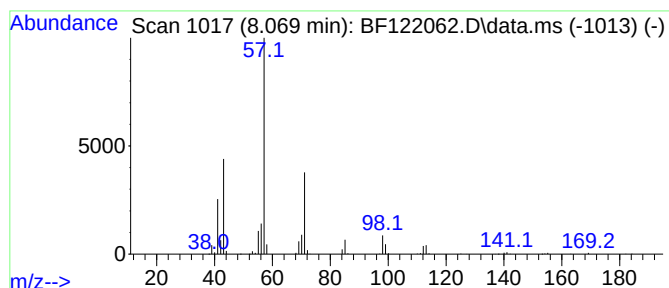
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Undecane, 2,6-dimethyl- Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 8.069 | 30.50 ng | 1053960 | Naphthalene-d8   | 8.010 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Undecane, 2,6-dimethyl-  | 184 | C13H28  | 017301-23-4 | 97   |
| 2    |    |   | Dodecane, 6-methyl-      | 184 | C13H28  | 006044-71-9 | 86   |
| 3    |    |   | Decane, 2,5,9-trimethyl- | 184 | C13H28  | 062108-22-9 | 72   |
| 4    |    |   | Undecane, 4,6-dimethyl-  | 184 | C13H28  | 017312-82-2 | 64   |
| 5    |    |   | Decane, 2,6,8-trimethyl- | 184 | C13H28  | 062108-26-3 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
Data File : BF122062.D  
Acq On : 21 Oct 2020 18:45  
Operator : JU/CG  
Sample : L4222-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-101920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF10220.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

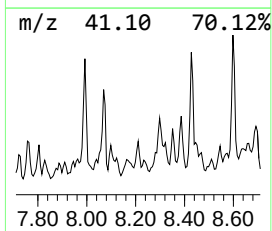
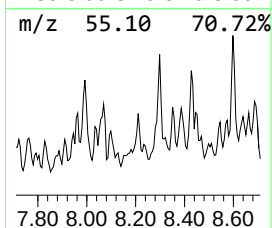
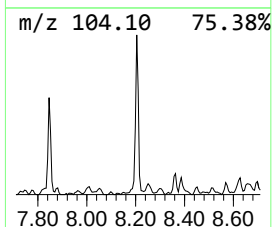
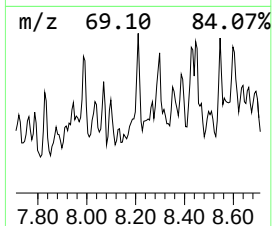
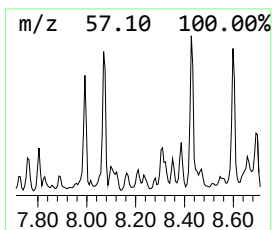
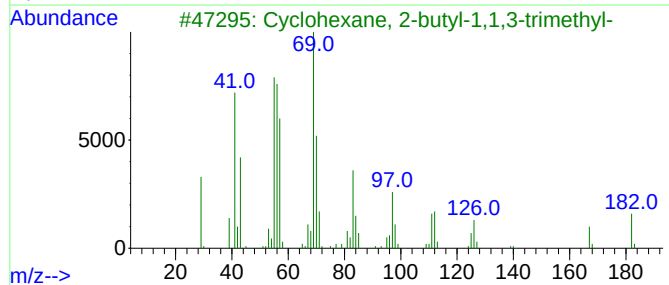
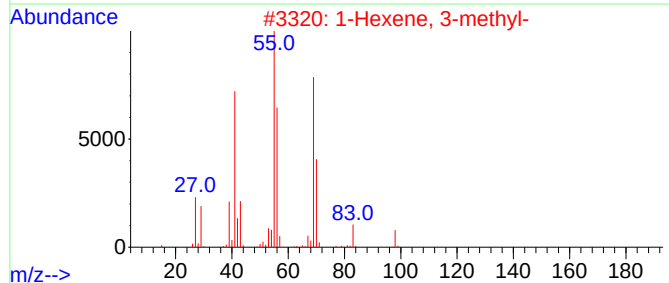
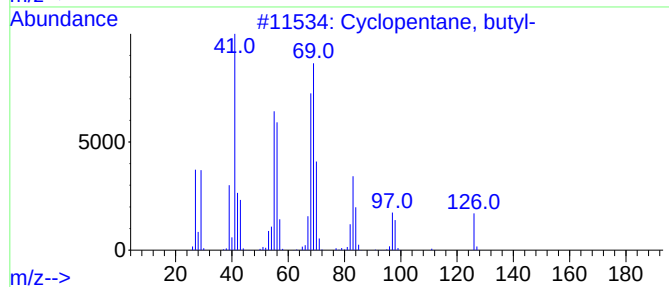
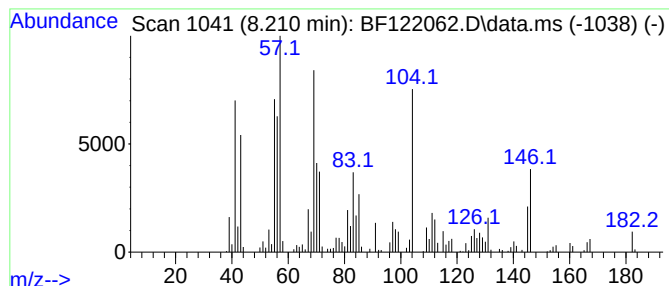
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Peak Number 6 unknown8.210 Concentration Rank 17

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 8.210 | 11.17 ng | 386044 | Naphthalene-d8   | 8.010 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclopentane, butyl-                | 126 | C9H18   | 002040-95-1 | 46   |
| 2    |    |   | 1-Hexene, 3-methyl-                 | 98  | C7H14   | 003404-61-3 | 38   |
| 3    |    |   | Cyclohexane, 2-butyl-1,1,3-trime... | 182 | C13H26  | 054676-39-0 | 35   |
| 4    |    |   | 3-Tridecene, (Z)-                   | 182 | C13H26  | 041446-53-1 | 30   |
| 5    |    |   | 3-Heptene, 2-methyl-                | 112 | C8H16   | 017618-76-7 | 25   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
Data File : BF122062.D  
Acq On : 21 Oct 2020 18:45  
Operator : JU/CG  
Sample : L4222-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-101920

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

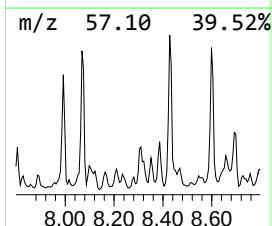
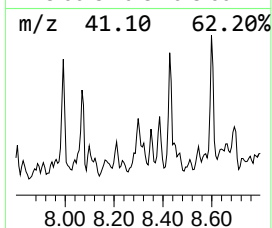
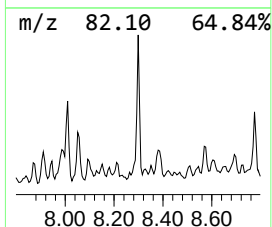
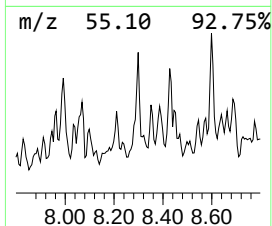
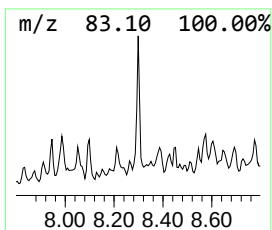
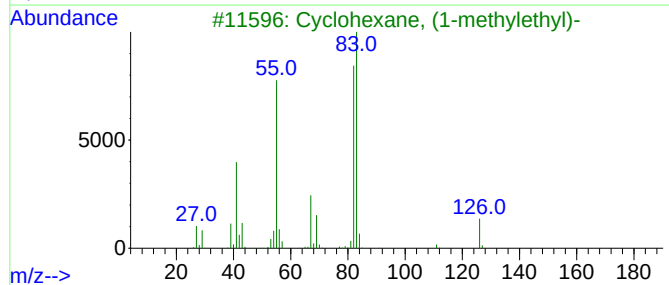
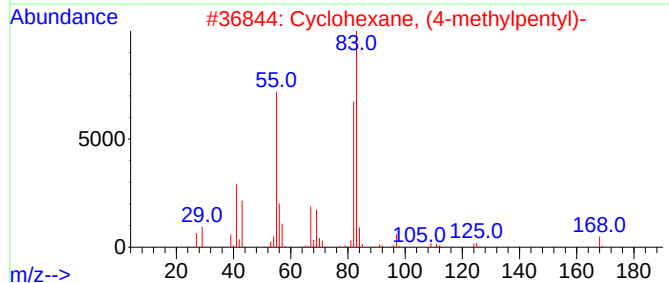
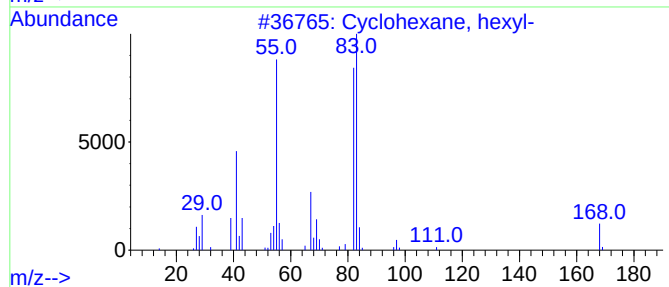
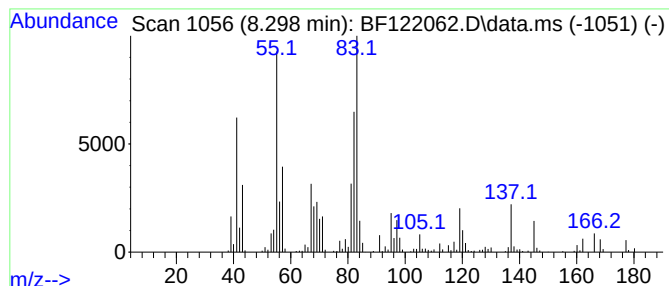
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 unknown8.298 Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 8.298 | 30.21 ng | 1043800 | Naphthalene-d8   | 8.010 |

| Hit# | of 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|------|--------------------------------|-----|---------|-------------|------|
| 1    |      | Cyclohexane, hexyl-            | 168 | C12H24  | 004292-75-5 | 46   |
| 2    |      | Cyclohexane, (4-methylpentyl)- | 168 | C12H24  | 061142-20-9 | 46   |
| 3    |      | Cyclohexane, (1-methylethyl)-  | 126 | C9H18   | 000696-29-7 | 43   |
| 4    |      | Cyclohexane, pentyl-           | 154 | C11H22  | 004292-92-6 | 43   |
| 5    |      | Cyclohexane, ethyl-            | 112 | C8H16   | 001678-91-7 | 43   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
Data File : BF122062.D  
Acq On : 21 Oct 2020 18:45  
Operator : JU/CG  
Sample : L4222-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-101920

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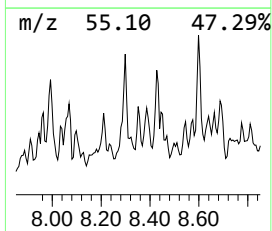
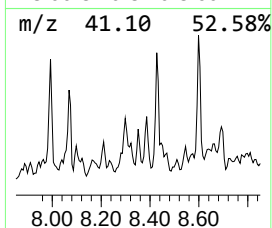
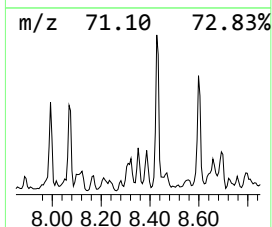
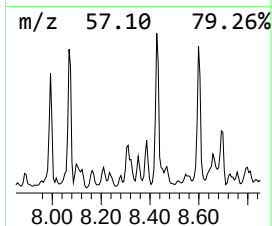
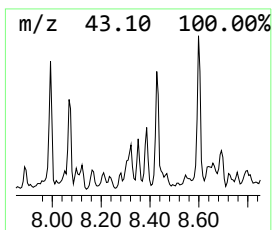
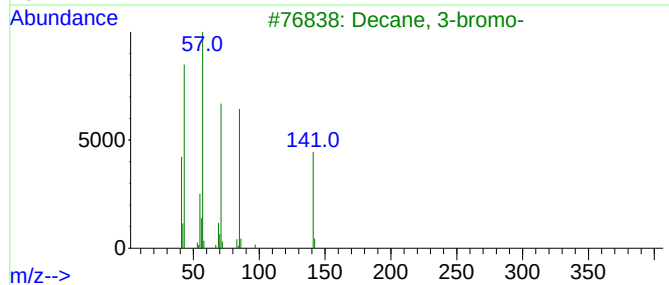
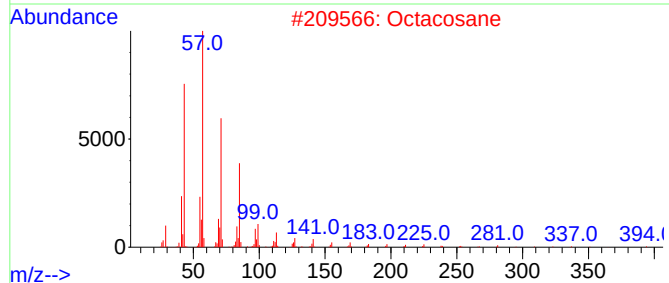
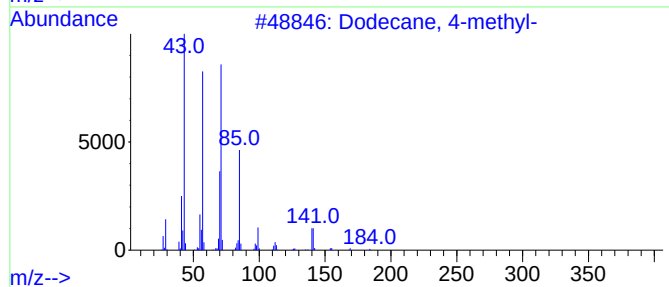
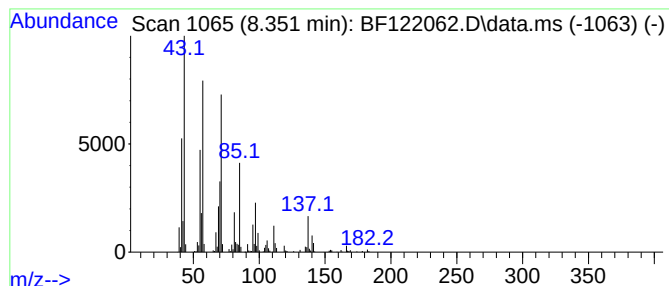
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Dodecane, 4-methyl- Concentration Rank 20

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 8.351 | 10.09 ng | 348648 | Naphthalene-d8   | 8.010 |

| Hit# | of 5 | Tentative ID                   | MW  | MolForm  | CAS#         | Qual |
|------|------|--------------------------------|-----|----------|--------------|------|
| 1    |      | Dodecane, 4-methyl-            | 184 | C13H28   | 006117-97-1  | 58   |
| 2    |      | Octacosane                     | 394 | C28H58   | 000630-02-4  | 47   |
| 3    |      | Decane, 3-bromo-               | 220 | C10H21Br | 030571-71-2  | 47   |
| 4    |      | Tetradecane, 2,6,10-trimethyl- | 240 | C17H36   | 014905-56-7  | 47   |
| 5    |      | 1-Iodo-2-methylnonane          | 268 | C10H21I  | 1000101-47-9 | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
Data File : BF122062.D  
Acq On : 21 Oct 2020 18:45  
Operator : JU/CG  
Sample : L4222-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-101920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF10220.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

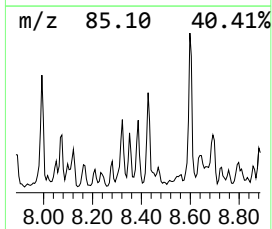
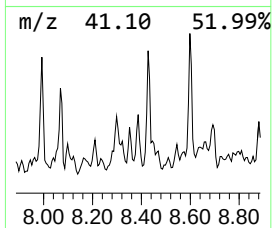
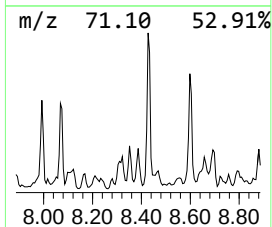
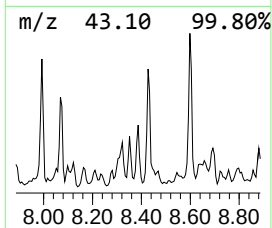
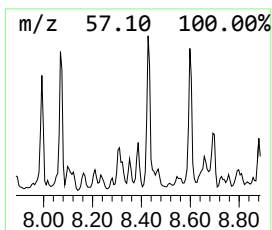
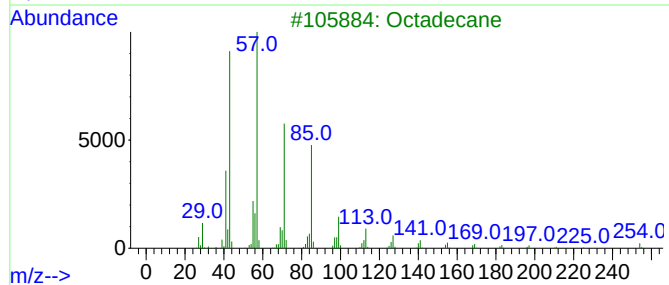
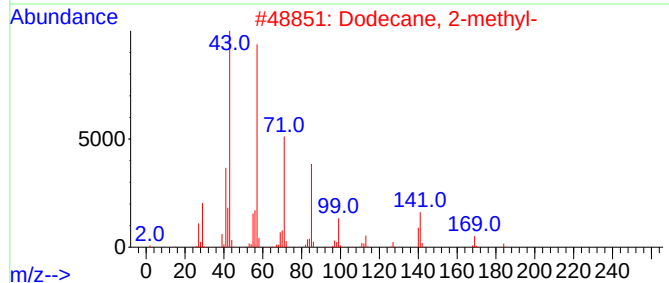
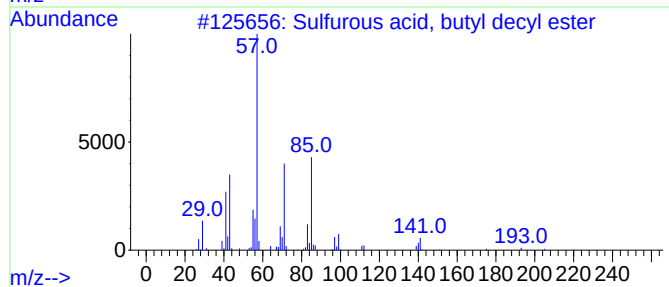
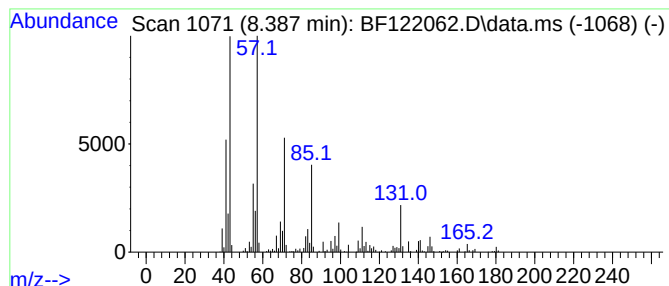
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Sulfurous acid, butyl decyl... Concentration Rank 10

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 8.387 | 16.93 ng | 584979 | Naphthalene-d8   | 8.010 |

| Hit# | of | 5 | Tentative ID                      | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-----------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Sulfurous acid, butyl decyl ester | 278 | C14H30O3S | 1000309-17-7 | 68   |
| 2    |    |   | Dodecane, 2-methyl-               | 184 | C13H28    | 001560-97-0  | 59   |
| 3    |    |   | Octadecane                        | 254 | C18H38    | 000593-45-3  | 58   |
| 4    |    |   | Sulfurous acid, butyl nonyl ester | 264 | C13H28O3S | 1000309-17-6 | 52   |
| 5    |    |   | Decane, 1-iodo-                   | 268 | C10H21I   | 002050-77-3  | 52   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
Data File : BF122062.D  
Acq On : 21 Oct 2020 18:45  
Operator : JU/CG  
Sample : L4222-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-101920

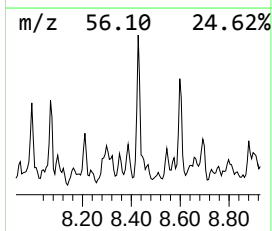
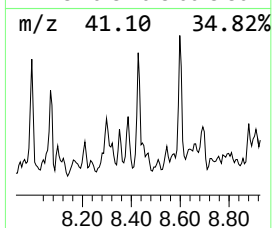
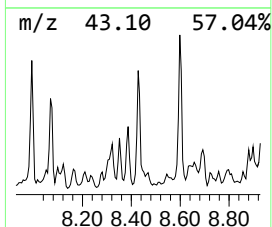
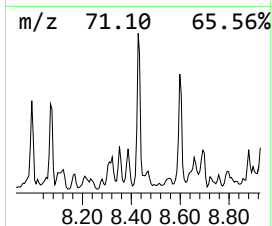
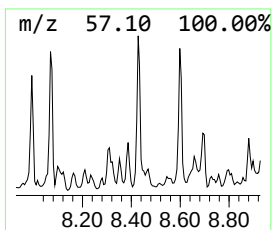
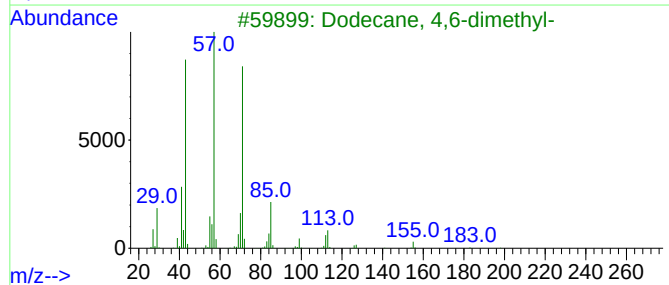
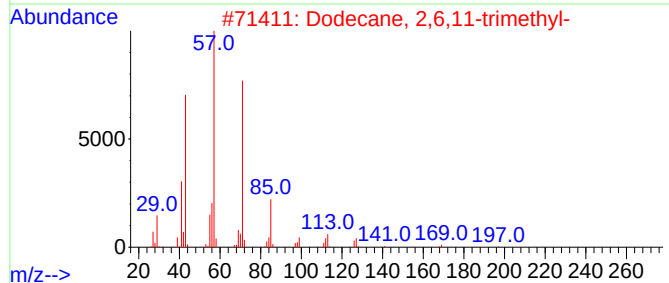
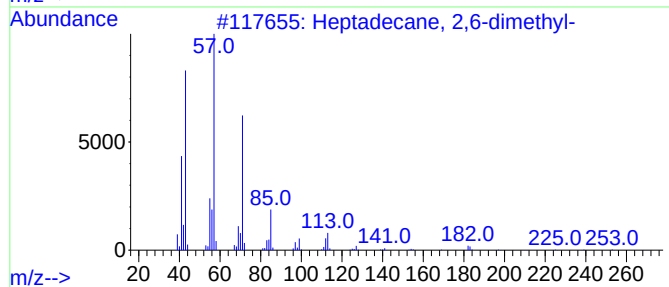
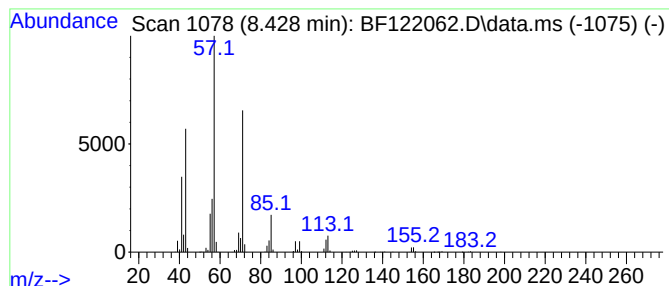
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 10 Heptadecane, 2,6-dimethyl- Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 8.428 | 32.65 ng | 1128170 | Naphthalene-d8   | 8.010 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Heptadecane, 2,6-dimethyl-  | 268 | C19H40  | 054105-67-8 | 80   |
| 2    |    |   | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 78   |
| 3    |    |   | Dodecane, 4,6-dimethyl-     | 198 | C14H30  | 061141-72-8 | 76   |
| 4    |    |   | Nonane, 2,6-dimethyl-       | 156 | C11H24  | 017302-28-2 | 72   |
| 5    |    |   | Dodecane, 2,7,10-trimethyl- | 212 | C15H32  | 074645-98-0 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
Data File : BF122062.D  
Acq On : 21 Oct 2020 18:45  
Operator : JU/CG  
Sample : L4222-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-101920

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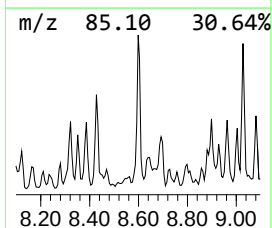
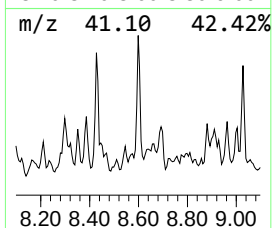
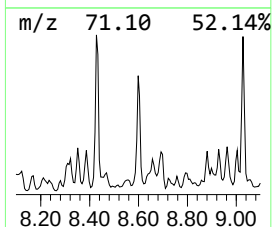
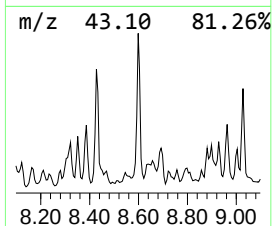
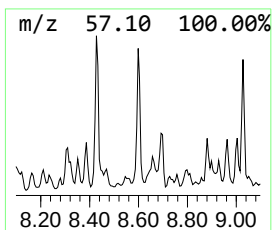
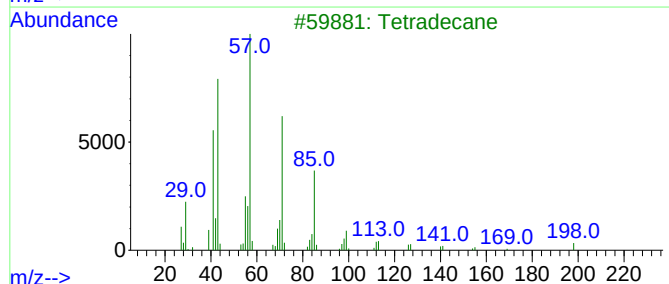
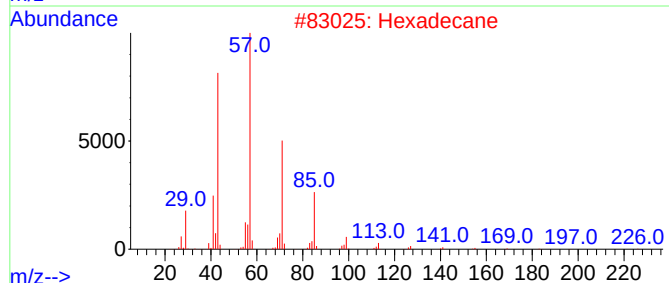
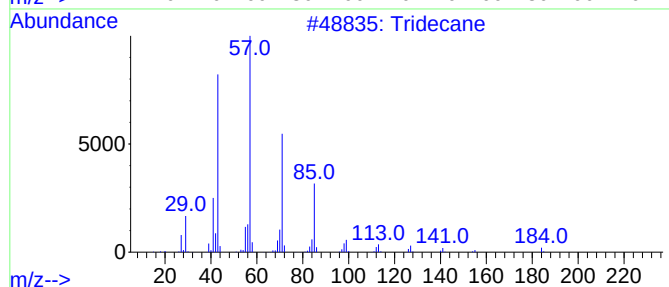
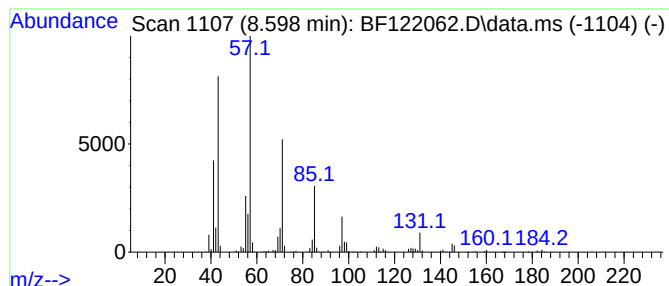
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Tridecane Concentration Rank 1

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 8.598 | 37.14 ng | 1283420 | Naphthalene-d8   | 8.010 |

| Hit# | of 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|------|-------------------------|-----|---------|-------------|------|
| 1    |      | Tridecane               | 184 | C13H28  | 000629-50-5 | 90   |
| 2    |      | Hexadecane              | 226 | C16H34  | 000544-76-3 | 72   |
| 3    |      | Tetradecane             | 198 | C14H30  | 000629-59-4 | 72   |
| 4    |      | Dodecane                | 170 | C12H26  | 000112-40-3 | 64   |
| 5    |      | Undecane, 2,6-dimethyl- | 184 | C13H28  | 017301-23-4 | 58   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
Data File : BF122062.D  
Acq On : 21 Oct 2020 18:45  
Operator : JU/CG  
Sample : L4222-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-101920

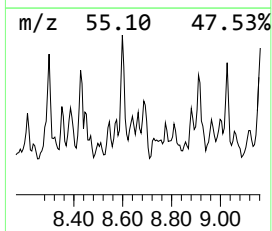
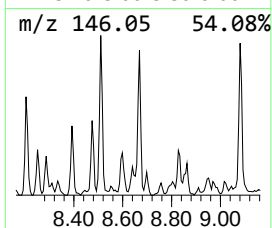
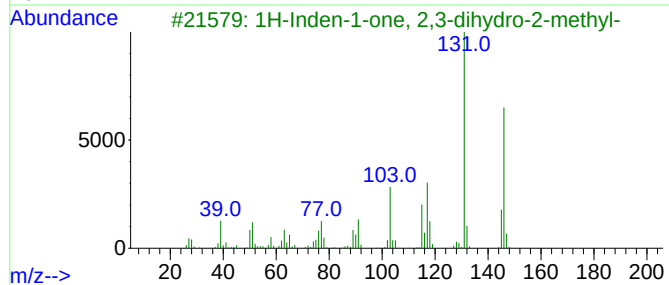
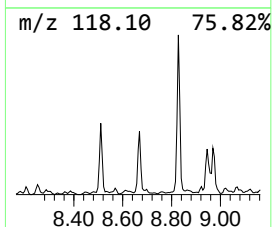
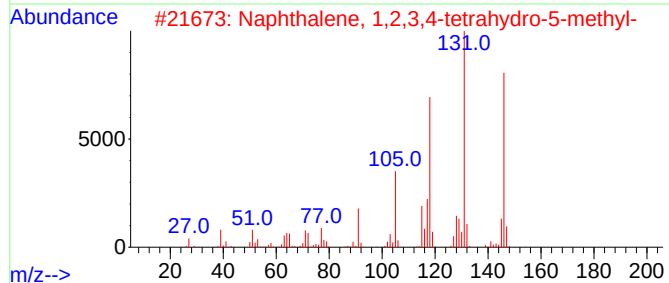
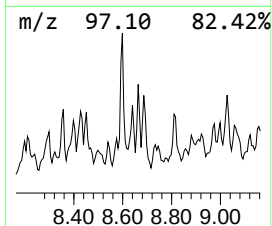
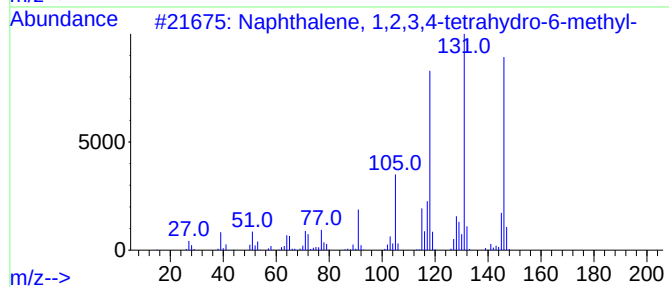
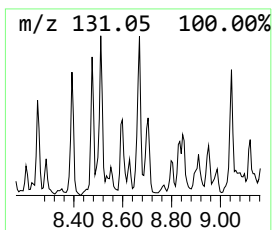
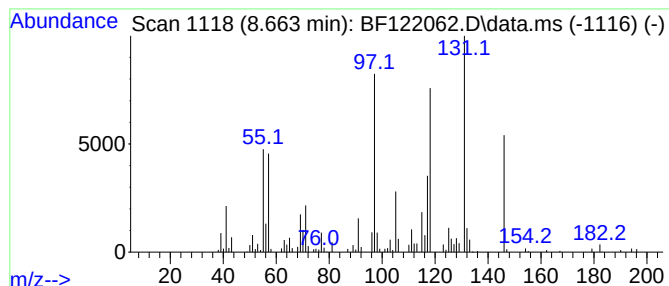
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 14

| R.T.  | EstConc  | Area                                | Relative to ISTD |         | R.T.        |      |
|-------|----------|-------------------------------------|------------------|---------|-------------|------|
| 8.663 | 12.83 ng | 443357                              | Naphthalene-d8   |         | 8.010       |      |
| Hit#  | of 5     | Tentative ID                        | MW               | MolForm | CAS#        | Qual |
| 1     |          | Naphthalene, 1,2,3,4-tetrahydro-... | 146              | C11H14  | 001680-51-9 | 62   |
| 2     |          | Naphthalene, 1,2,3,4-tetrahydro-... | 146              | C11H14  | 002809-64-5 | 46   |
| 3     |          | 1H-Inden-1-one, 2,3-dihydro-2-me... | 146              | C10H10O | 017496-14-9 | 38   |
| 4     |          | 2,2-Dimethylindene, 2,3-dihydro-    | 146              | C11H14  | 020836-11-7 | 25   |
| 5     |          | Benzene, 1-methyl-2-(1-methyl-2-... | 146              | C11H14  | 097664-19-2 | 25   |





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Data File : BF122062.D  
Acq On : 21 Oct 2020 18:45  
Operator : JU/CG  
Sample : L4222-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-101920

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

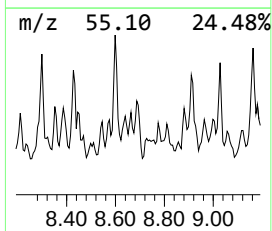
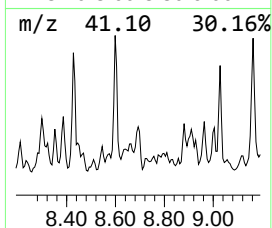
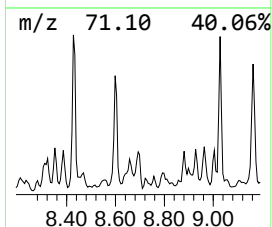
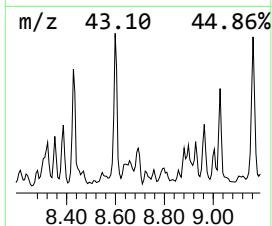
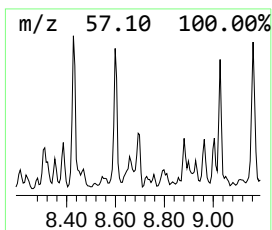
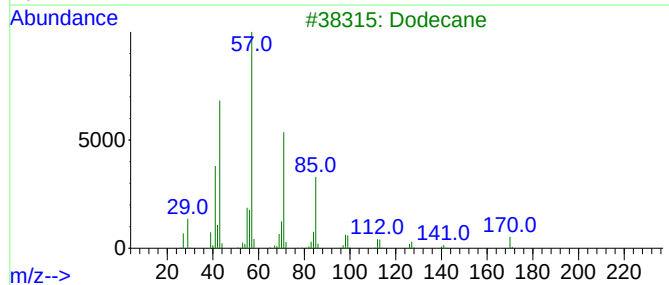
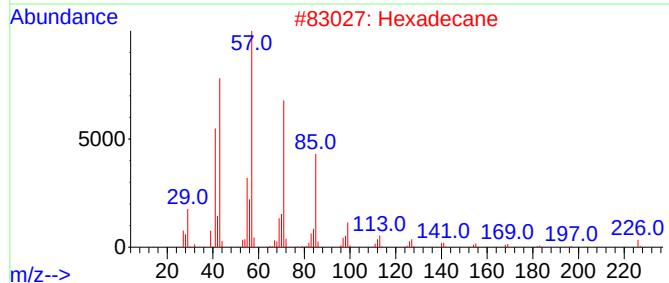
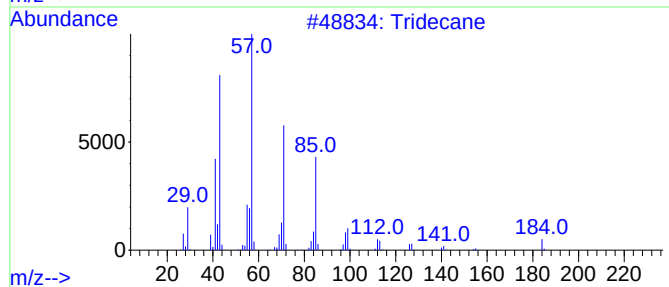
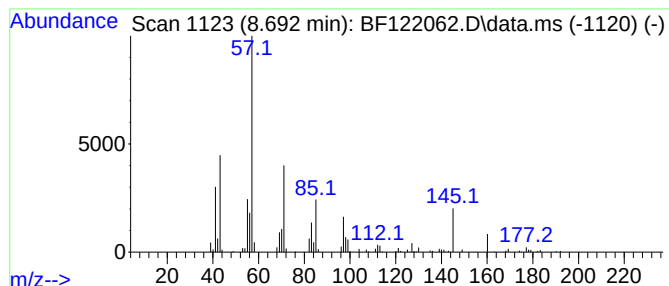
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Hexadecane Concentration Rank 8

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 8.692 | 20.74 ng | 716835 | Naphthalene-d8   | 8.010 |

| Hit# | of 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|------|--------------|-----|---------|-------------|------|
| 1    |      | Tridecane    | 184 | C13H28  | 000629-50-5 | 52   |
| 2    |      | Hexadecane   | 226 | C16H34  | 000544-76-3 | 50   |
| 3    |      | Dodecane     | 170 | C12H26  | 000112-40-3 | 50   |
| 4    |      | Nonadecane   | 268 | C19H40  | 000629-92-5 | 47   |
| 5    |      | Pentadecane  | 212 | C15H32  | 000629-62-9 | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
Data File : BF122062.D  
Acq On : 21 Oct 2020 18:45  
Operator : JU/CG  
Sample : L4222-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-101920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF102120.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

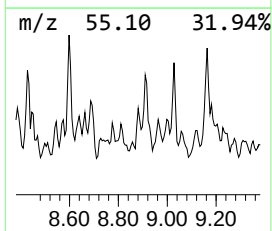
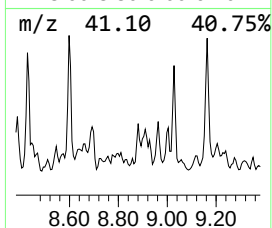
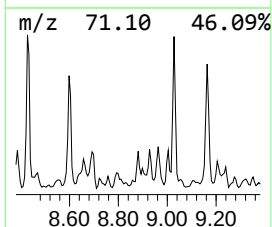
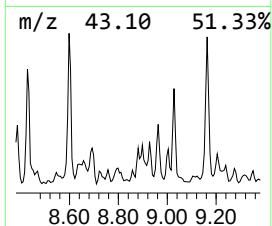
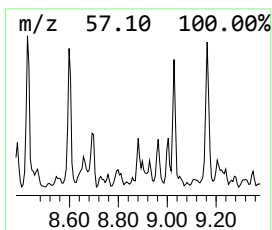
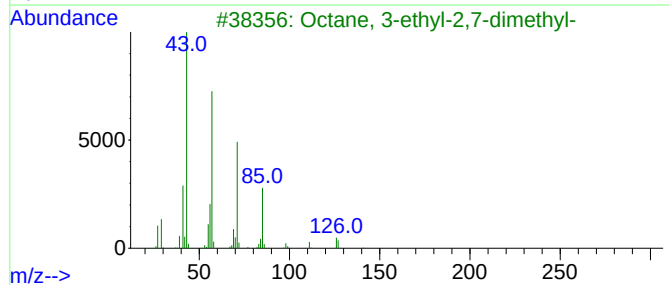
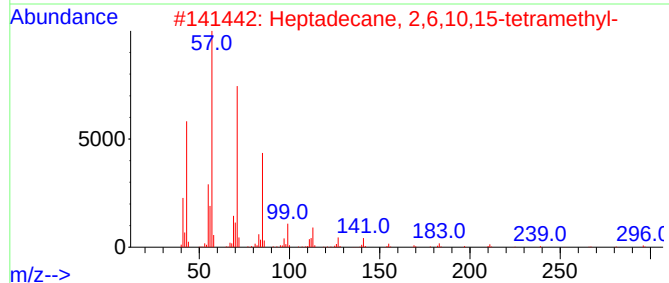
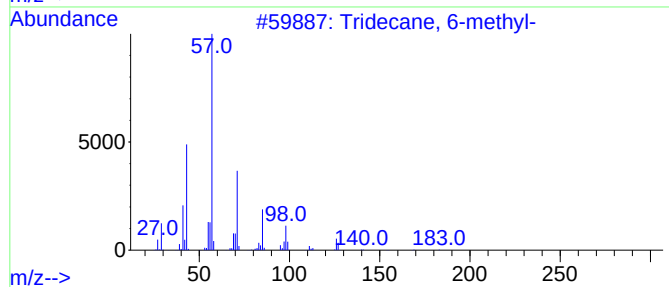
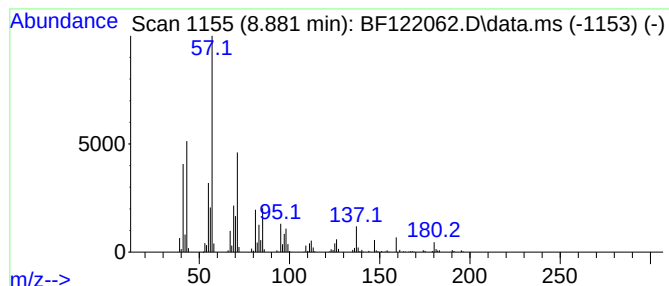
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TIC Integration Parameters: LSCINT.P

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Peak Number 14 Tridecane, 6-methyl- Concentration Rank 18

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 8.881 | 10.83 ng | 374291 | Naphthalene-d8   | 8.010 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane, 6-methyl-                | 198 | C14H30  | 013287-21-3 | 53   |
| 2    |    |   | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 50   |
| 3    |    |   | Octane, 3-ethyl-2,7-dimethyl-       | 170 | C12H26  | 062183-55-5 | 47   |
| 4    |    |   | Octane, 2,3,3-trimethyl-            | 156 | C11H24  | 062016-30-2 | 47   |
| 5    |    |   | Heptane, 2,6-dimethyl-              | 128 | C9H20   | 001072-05-5 | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
Data File : BF122062.D  
Acq On : 21 Oct 2020 18:45  
Operator : JU/CG  
Sample : L4222-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-101920

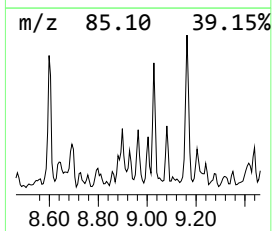
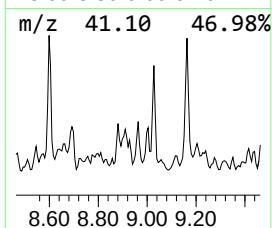
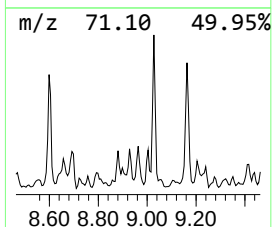
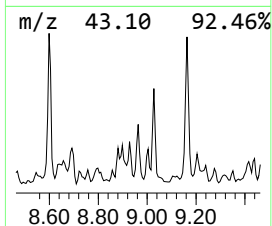
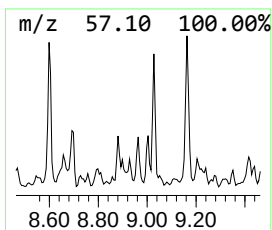
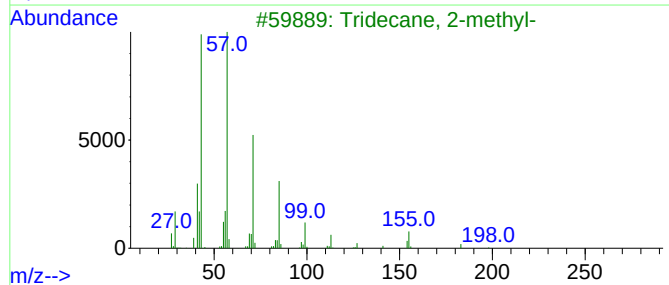
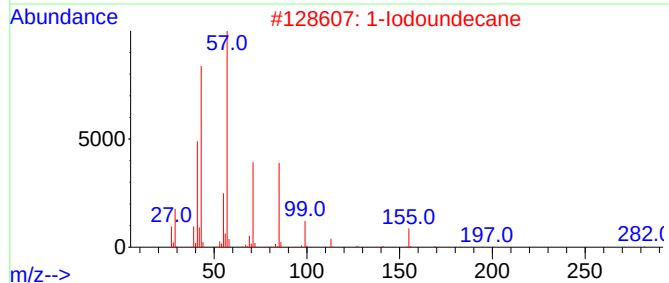
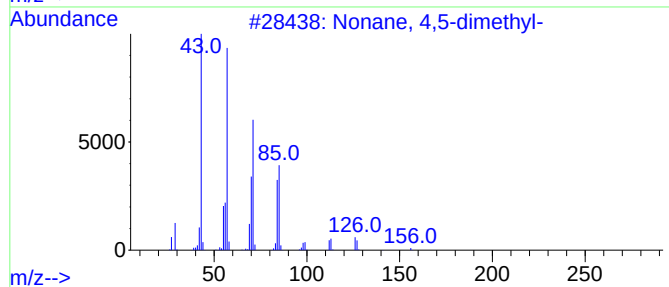
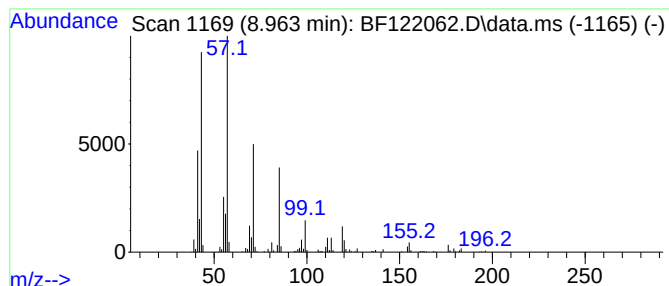
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 15 Nonane, 4,5-dimethyl- Concentration Rank 16

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 8.963 | 11.29 ng | 595562 | Acenaphthene-d10 | 9.757 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------|-----|----------|-------------|------|
| 1    |    |   | Nonane, 4,5-dimethyl-   | 156 | C11H24   | 017302-23-7 | 76   |
| 2    |    |   | 1-Iodoundecane          | 282 | C11H23I  | 004282-44-4 | 72   |
| 3    |    |   | Tridecane, 2-methyl-    | 198 | C14H30   | 001560-96-9 | 72   |
| 4    |    |   | 2-Bromo dodecane        | 248 | C12H25Br | 013187-99-0 | 64   |
| 5    |    |   | Undecane, 2,9-dimethyl- | 184 | C13H28   | 017301-26-7 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
Data File : BF122062.D  
Acq On : 21 Oct 2020 18:45  
Operator : JU/CG  
Sample : L4222-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-101920

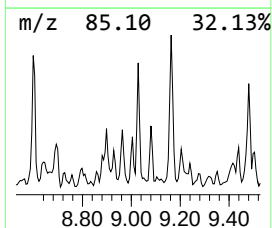
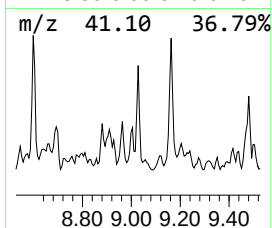
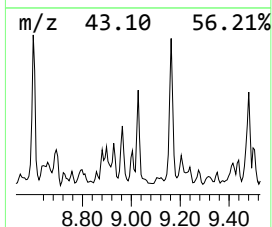
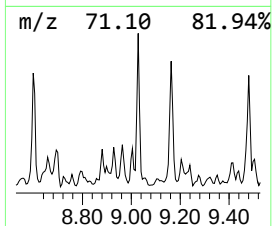
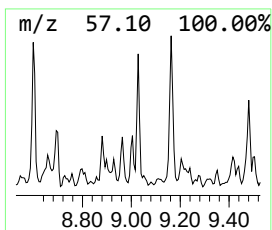
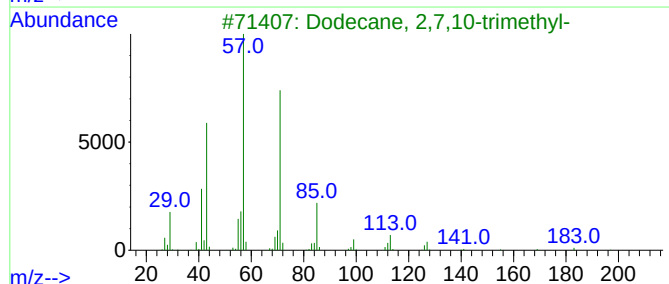
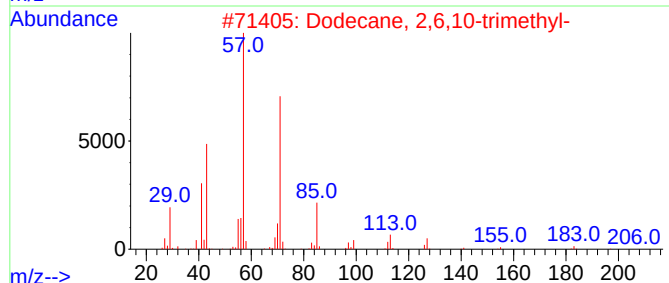
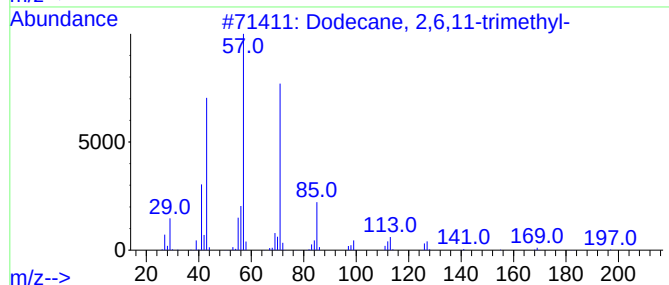
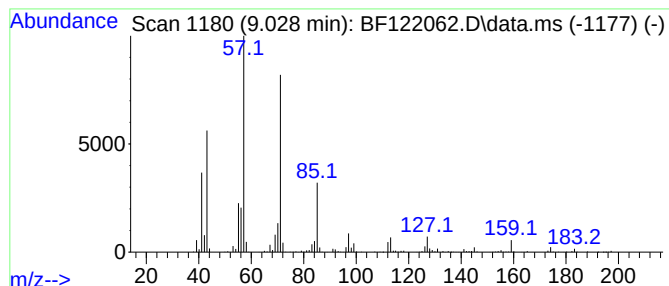
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 16 Dodecane, 2,6,11-trimethyl- Concentration Rank 9

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.028 | 20.71 ng | 1092250 | Acenaphthene-d10 | 9.757 |

| Hit# | of 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------------|-----|---------|-------------|------|
| 1    |      | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 90   |
| 2    |      | Dodecane, 2,6,10-trimethyl- | 212 | C15H32  | 003891-98-3 | 90   |
| 3    |      | Dodecane, 2,7,10-trimethyl- | 212 | C15H32  | 074645-98-0 | 80   |
| 4    |      | Octane, 2,6-dimethyl-       | 142 | C10H22  | 002051-30-1 | 72   |
| 5    |      | Dodecane, 4,6-dimethyl-     | 198 | C14H30  | 061141-72-8 | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
Data File : BF122062.D  
Acq On : 21 Oct 2020 18:45  
Operator : JU/CG  
Sample : L4222-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-101920

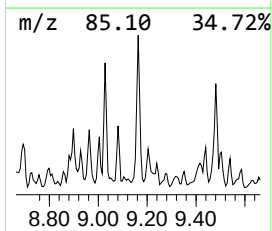
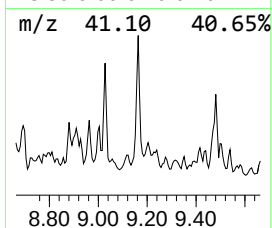
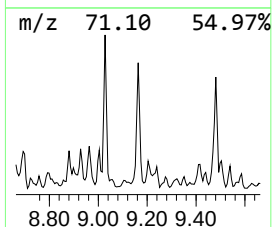
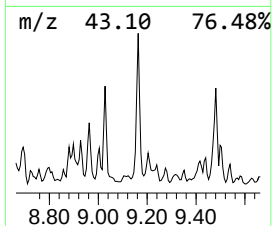
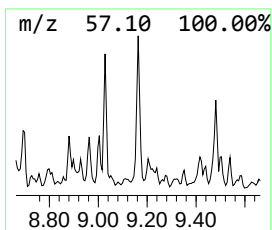
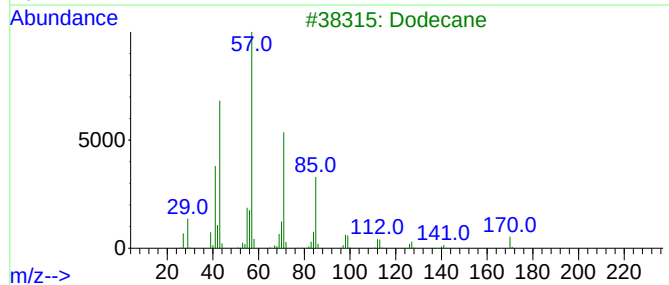
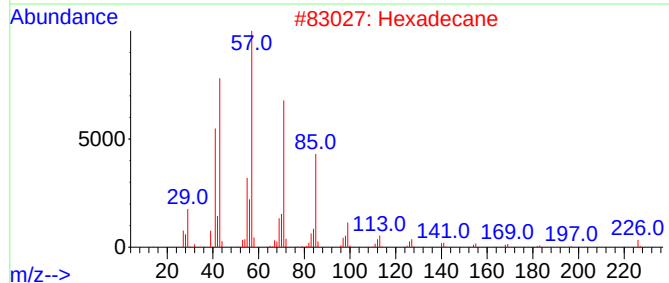
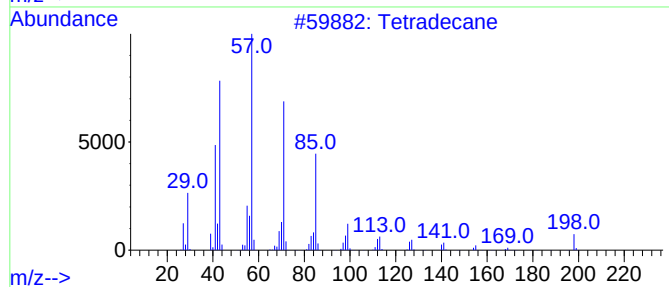
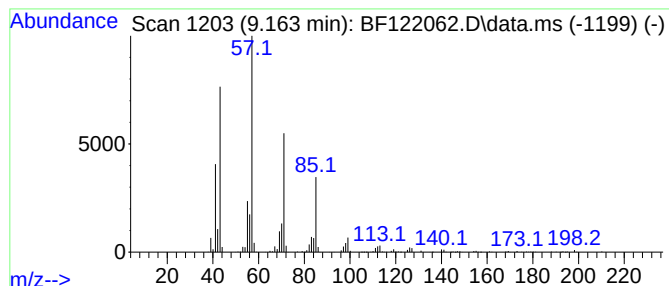
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 17 Tetradecane Concentration Rank 7

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 9.163 | 26.41 ng | 1393160 | Acenaphthene-d10 | 9.757 |

| 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    |      | Dodecane             | 170 | C12H26  | 000112-40-3 | 90   |
| 4    |      | Undecane             | 156 | C11H24  | 001120-21-4 | 80   |
| 5    |      | Tridecane, 6-methyl- | 198 | C14H30  | 013287-21-3 | 74   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
Data File : BF122062.D  
Acq On : 21 Oct 2020 18:45  
Operator : JU/CG  
Sample : L4222-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-101920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

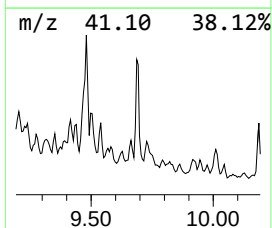
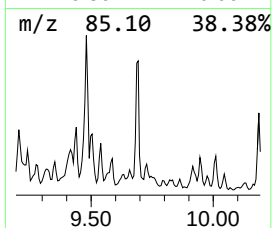
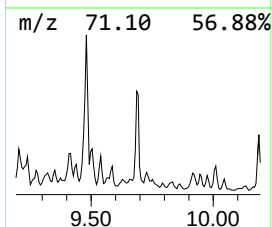
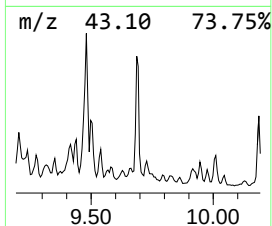
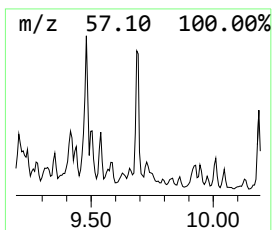
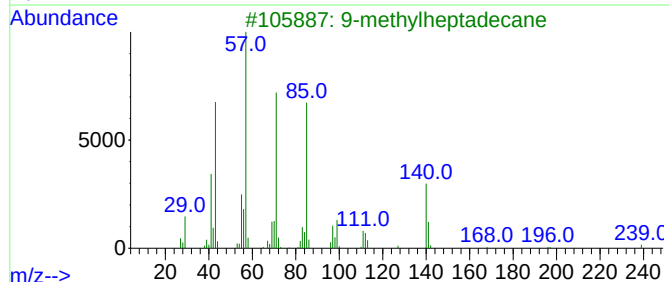
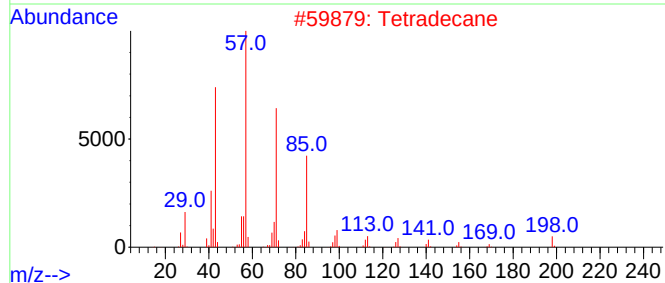
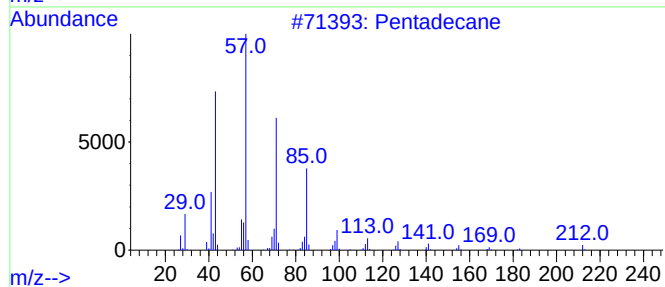
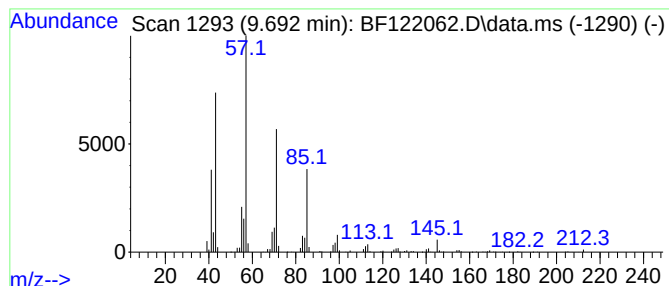
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Pentadecane Concentration Rank 13

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 9.692 | 13.03 ng | 687125 | Acenaphthene-d10 | 9.757 |

| Hit# | of 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|------|-----------------------|-----|---------|-------------|------|
| 1    |      | Pentadecane           | 212 | C15H32  | 000629-62-9 | 94   |
| 2    |      | Tetradecane           | 198 | C14H30  | 000629-59-4 | 90   |
| 3    |      | 9-methylheptadecane   | 254 | C18H38  | 026741-18-4 | 80   |
| 4    |      | Nonane, 3,7-dimethyl- | 156 | C11H24  | 017302-32-8 | 74   |
| 5    |      | Hexadecane            | 226 | C16H34  | 000544-76-3 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
Data File : BF122062.D  
Acq On : 21 Oct 2020 18:45  
Operator : JU/CG  
Sample : L4222-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-101920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF10220.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

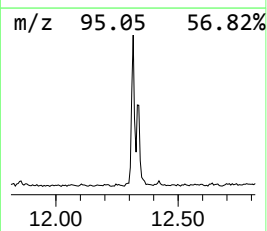
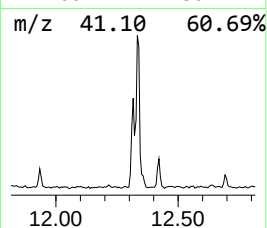
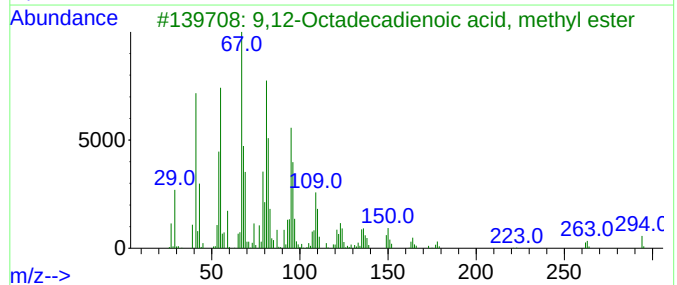
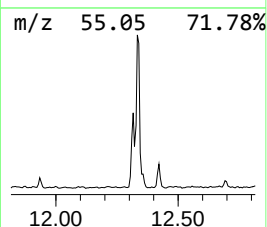
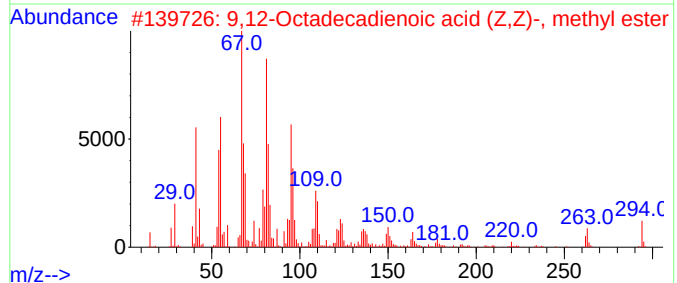
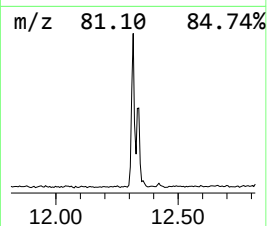
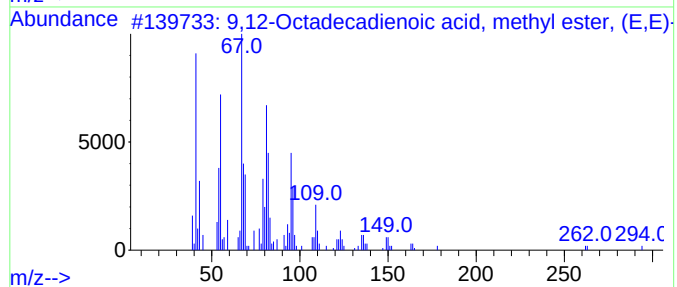
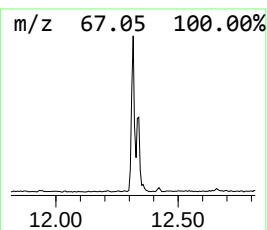
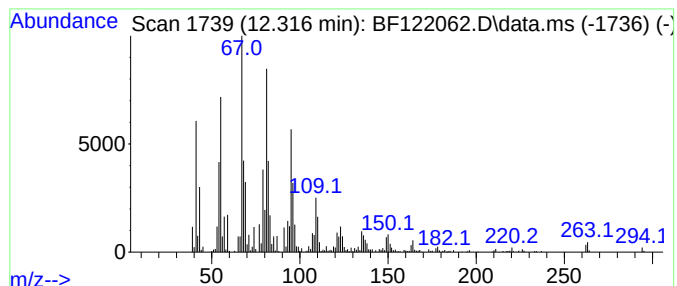
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 9,12-Octadecadienoic acid, ... Concentration Rank 11

| R.T.   | EstConc  | Area   | Relative to ISTD | R.T.   |
|--------|----------|--------|------------------|--------|
| 12.316 | 14.66 ng | 719301 | Phenanthrene-d10 | 11.239 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2     | 002566-97-4  | 99      |      |      |
| 2    | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2     | 000112-63-0  | 99      |      |      |
| 3    | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2     | 002462-85-3  | 99      |      |      |
| 4    | Methyl 9-cis,11-trans-octadecadi... | 294 | C19H34O2     | 1000336-44-0 | 99      |      |      |
| 5    | 9,15-Octadecadienoic acid, methy... | 294 | C19H34O2     | 017309-05-6  | 99      |      |      |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
Data File : BF122062.D  
Acq On : 21 Oct 2020 18:45  
Operator : JU/CG  
Sample : L4222-01 2X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EO-03-101920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF10220.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

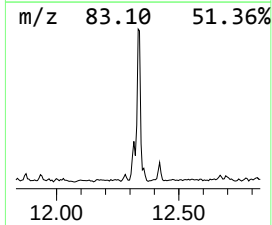
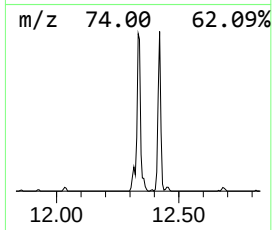
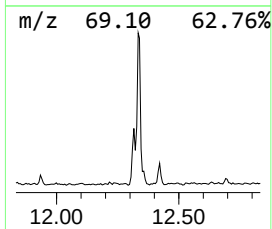
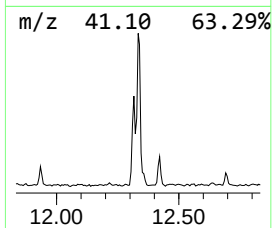
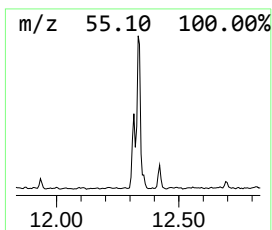
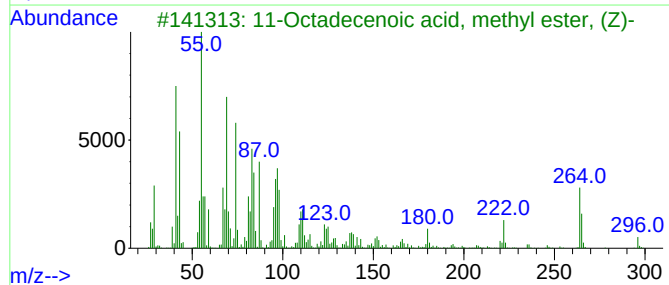
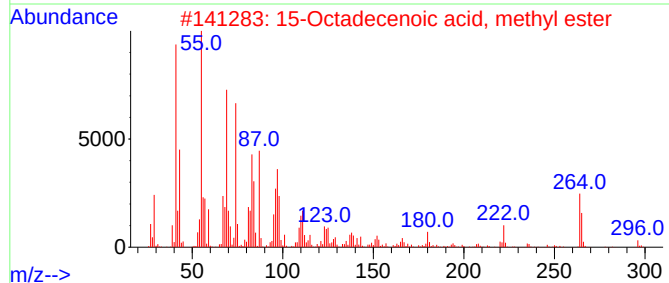
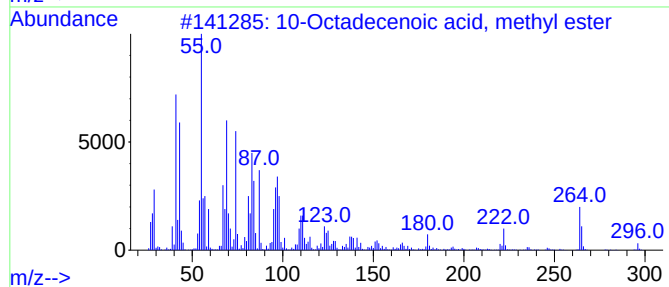
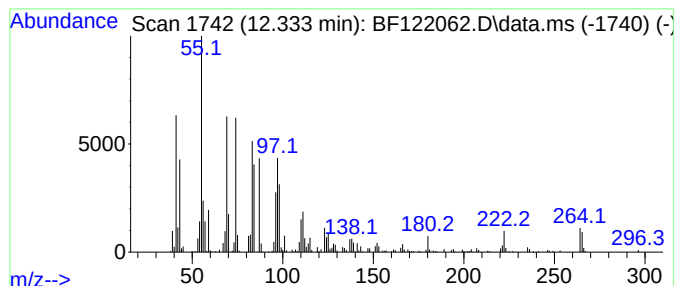
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Peak Number 20 10-Octadecenoic acid, methyl... Concentration Rank 6

| R.T.   | EstConc  | Area    | Relative to ISTD | R.T.   |
|--------|----------|---------|------------------|--------|
| 12.333 | 27.12 ng | 1330810 | Phenanthrene-d10 | 11.239 |

| Hit# | of 5 | Tentative ID                          | MW  | MolForm  | CAS#        | Qual |
|------|------|---------------------------------------|-----|----------|-------------|------|
| 1    |      | 10-Octadecenoic acid, methyl ester    | 296 | C19H36O2 | 013481-95-3 | 96   |
| 2    |      | 15-Octadecenoic acid, methyl ester    | 296 | C19H36O2 | 004764-72-1 | 96   |
| 3    |      | 11-Octadecenoic acid, methyl ester... | 296 | C19H36O2 | 001937-63-9 | 95   |
| 4    |      | 12-Octadecenoic acid, methyl ester    | 296 | C19H36O2 | 056554-46-2 | 95   |
| 5    |      | 16-Octadecenoic acid, methyl ester    | 296 | C19H36O2 | 056554-49-5 | 91   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF102120\  
 Data File : BF122062.D  
 Acq On : 21 Oct 2020 18:45  
 Operator : JU/CG  
 Sample : L4222-01 2X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EO-03-101920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF101220.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 |
| unknown7.369       | 7.369  | 10.4    | ng    | 460325   | 1                     | 6.728  | 880869  | 20.0 |
| Naphthalene, de... | 7.528  | 14.3    | ng    | 493284   | 2                     | 8.010  | 691128  | 20.0 |
| 1-Methyldecahyd... | 7.645  | 27.8    | ng    | 961173   | 2                     | 8.010  | 691128  | 20.0 |
| Undecane, 2-met... | 7.757  | 12.3    | ng    | 423681   | 2                     | 8.010  | 691128  | 20.0 |
| Undecane, 2,6-d... | 8.069  | 30.5    | ng    | 1053960  | 2                     | 8.010  | 691128  | 20.0 |
| unknown8.210       | 8.210  | 11.2    | ng    | 386044   | 2                     | 8.010  | 691128  | 20.0 |
| unknown8.298       | 8.298  | 30.2    | ng    | 1043800  | 2                     | 8.010  | 691128  | 20.0 |
| Dodecane, 4-met... | 8.351  | 10.1    | ng    | 348648   | 2                     | 8.010  | 691128  | 20.0 |
| Sulfurous acid,... | 8.387  | 16.9    | ng    | 584979   | 2                     | 8.010  | 691128  | 20.0 |
| Heptadecane, 2,... | 8.428  | 32.6    | ng    | 1128170  | 2                     | 8.010  | 691128  | 20.0 |
| Tridecane          | 8.598  | 37.1    | ng    | 1283420  | 2                     | 8.010  | 691128  | 20.0 |
| Naphthalene, 1,... | 8.663  | 12.8    | ng    | 443357   | 2                     | 8.010  | 691128  | 20.0 |
| Hexadecane         | 8.692  | 20.7    | ng    | 716835   | 2                     | 8.010  | 691128  | 20.0 |
| Tridecane, 6-me... | 8.881  | 10.8    | ng    | 374291   | 2                     | 8.010  | 691128  | 20.0 |
| Nonane, 4,5-dim... | 8.963  | 11.3    | ng    | 595562   | 3                     | 9.757  | 1054990 | 20.0 |
| Dodecane, 2,6,1... | 9.028  | 20.7    | ng    | 1092250  | 3                     | 9.757  | 1054990 | 20.0 |
| Tetradecane        | 9.163  | 26.4    | ng    | 1393160  | 3                     | 9.757  | 1054990 | 20.0 |
| Pentadecane        | 9.692  | 13.0    | ng    | 687125   | 3                     | 9.757  | 1054990 | 20.0 |
| 9,12-Octadecadi... | 12.316 | 14.7    | ng    | 719301   | 4                     | 11.239 | 981442  | 20.0 |
| 10-Octadecenoic... | 12.333 | 27.1    | ng    | 1330810  | 4                     | 11.239 | 981442  | 20.0 |