

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF111317\  
 Data File : BF100511.D  
 Acq On : 13 Nov 2017 19:34  
 Operator : SJ/JU  
 Sample : I6301-09 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-110917-E

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF100512.D

| 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         | 5.098       | 509           | 512         | 520          | rBB      | 70263          | 67805         | 11.84%          | 0.618%        |
| 2         | 5.498       | 576           | 580         | 584          | rBV      | 461537         | 377501        | 65.91%          | 3.439%        |
| 3         | 6.504       | 748           | 751         | 755          | rVV      | 430795         | 385964        | 67.38%          | 3.516%        |
| 4         | 6.657       | 773           | 777         | 780          | rVB      | 476121         | 398211        | 69.52%          | 3.628%        |
| 5         | 6.892       | 813           | 817         | 821          | rVB      | 564196         | 447845        | 78.19%          | 4.080%        |
| 6         | 7.045       | 838           | 843         | 846          | rBV      | 393392         | 324511        | 56.65%          | 2.956%        |
| 7         | 7.163       | 858           | 863         | 866          | rVV3     | 28198          | 29150         | 5.09%           | 0.266%        |
| 8         | 7.287       | 877           | 884         | 887          | rBV4     | 32516          | 46424         | 8.10%           | 0.423%        |
| 9         | 7.422       | 901           | 907         | 909          | rBV4     | 36619          | 54578         | 9.53%           | 0.497%        |
| 10        | 7.445       | 909           | 911         | 914          | rVV      | 272200         | 223685        | 39.05%          | 2.038%        |
| 11        | 7.481       | 914           | 917         | 921          | rVB      | 65525          | 69800         | 12.19%          | 0.636%        |
| 12        | 7.534       | 921           | 926         | 929          | rBV4     | 41868          | 60754         | 10.61%          | 0.553%        |
| 13        | 7.586       | 929           | 935         | 938          | rBV6     | 23051          | 48661         | 8.50%           | 0.443%        |
| 14        | 7.698       | 950           | 954         | 956          | rVB4     | 51541          | 47245         | 8.25%           | 0.430%        |
| 15        | 7.769       | 961           | 966         | 968          | rBV4     | 20054          | 27893         | 4.87%           | 0.254%        |
| 16        | 7.816       | 971           | 974         | 977          | rVB3     | 56940          | 58449         | 10.20%          | 0.532%        |
| 17        | 7.886       | 983           | 986         | 988          | rBV3     | 23919          | 22593         | 3.94%           | 0.206%        |
| 18        | 7.916       | 988           | 991         | 996          | rBV4     | 41526          | 53771         | 9.39%           | 0.490%        |
| 19        | 8.045       | 1009          | 1013        | 1015         | rBV2     | 43603          | 51124         | 8.93%           | 0.466%        |
| 20        | 8.075       | 1015          | 1018        | 1022         | rBV4     | 27778          | 30808         | 5.38%           | 0.281%        |
| 21        | 8.122       | 1022          | 1026        | 1028         | rVV5     | 27974          | 35005         | 6.11%           | 0.319%        |
| 22        | 8.151       | 1028          | 1031        | 1032         | rVV      | 160519         | 137923        | 24.08%          | 1.256%        |
| 23        | 8.175       | 1032          | 1035        | 1038         | rVV      | 700957         | 572789        | 100.00%         | 5.218%        |
| 24        | 8.228       | 1041          | 1044        | 1046         | rVB2     | 117161         | 102040        | 17.81%          | 0.930%        |
| 25        | 8.257       | 1046          | 1049        | 1054         | rBV6     | 47833          | 57730         | 10.08%          | 0.526%        |
| 26        | 8.322       | 1057          | 1060        | 1061         | rBV2     | 20856          | 23193         | 4.05%           | 0.211%        |
| 27        | 8.345       | 1062          | 1064        | 1066         | rVV3     | 30936          | 25841         | 4.51%           | 0.235%        |
| 28        | 8.375       | 1066          | 1069        | 1071         | rVB2     | 46380          | 41528         | 7.25%           | 0.378%        |
| 29        | 8.463       | 1080          | 1084        | 1088         | rVB5     | 93202          | 103295        | 18.03%          | 0.941%        |
| 30        | 8.516       | 1088          | 1093        | 1096         | rBV6     | 39017          | 52019         | 9.08%           | 0.474%        |
| 31        | 8.545       | 1096          | 1098        | 1102         | rVB4     | 42452          | 50076         | 8.74%           | 0.456%        |
| 32        | 8.586       | 1102          | 1105        | 1107         | rBV      | 138409         | 108695        | 18.98%          | 0.990%        |
| 33        | 8.610       | 1107          | 1109        | 1112         | rVV2     | 46715          | 39846         | 6.96%           | 0.363%        |
| 34        | 8.633       | 1112          | 1113        | 1118         | rVB4     | 35159          | 30275         | 5.29%           | 0.276%        |

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 ALS Vial : 17 Sample Multiplier: 1

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 ClientSampleId :  
 JC-02-110917-E

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 8.675  | 1118 | 1120 | 1123 | rBV2 | 74522  | 60171  | 10.50% | 0.548% |
| 36 | 8.722  | 1123 | 1128 | 1131 | rBV3 | 44783  | 86000  | 15.01% | 0.783% |
| 37 | 8.757  | 1131 | 1134 | 1138 | rBV  | 245981 | 187008 | 32.65% | 1.704% |
| 38 | 8.798  | 1138 | 1141 | 1143 | rBV4 | 22533  | 24540  | 4.28%  | 0.224% |
| 39 | 8.922  | 1159 | 1162 | 1164 | rVV4 | 34211  | 27476  | 4.80%  | 0.250% |
| 40 | 8.951  | 1164 | 1167 | 1169 | rVV4 | 33399  | 42000  | 7.33%  | 0.383% |
| 41 | 8.992  | 1172 | 1174 | 1177 | rVV3 | 70311  | 69717  | 12.17% | 0.635% |
| 42 | 9.016  | 1177 | 1178 | 1180 | rVV2 | 33052  | 26512  | 4.63%  | 0.242% |
| 43 | 9.039  | 1180 | 1182 | 1184 | rVV3 | 41476  | 54310  | 9.48%  | 0.495% |
| 44 | 9.081  | 1186 | 1189 | 1192 | rVV3 | 54303  | 78815  | 13.76% | 0.718% |
| 45 | 9.122  | 1192 | 1196 | 1200 | rVV4 | 65945  | 102151 | 17.83% | 0.931% |
| 46 | 9.163  | 1200 | 1203 | 1205 | rVV3 | 56359  | 51747  | 9.03%  | 0.471% |
| 47 | 9.186  | 1205 | 1207 | 1210 | rVV  | 161192 | 142406 | 24.86% | 1.297% |
| 48 | 9.245  | 1213 | 1217 | 1220 | rVV  | 550857 | 424615 | 74.13% | 3.868% |
| 49 | 9.286  | 1222 | 1224 | 1226 | rVV2 | 26380  | 23503  | 4.10%  | 0.214% |
| 50 | 9.322  | 1227 | 1230 | 1235 | rVV  | 303060 | 282578 | 49.33% | 2.574% |
| 51 | 9.363  | 1235 | 1237 | 1238 | rVV2 | 46145  | 37446  | 6.54%  | 0.341% |
| 52 | 9.398  | 1241 | 1243 | 1245 | rVV  | 60977  | 52374  | 9.14%  | 0.477% |
| 53 | 9.422  | 1245 | 1247 | 1248 | rVV2 | 24374  | 20028  | 3.50%  | 0.182% |
| 54 | 9.439  | 1248 | 1250 | 1255 | rVV5 | 30490  | 35821  | 6.25%  | 0.326% |
| 55 | 9.516  | 1259 | 1263 | 1265 | rVV4 | 32707  | 48746  | 8.51%  | 0.444% |
| 56 | 9.563  | 1268 | 1271 | 1272 | rVV2 | 37885  | 41817  | 7.30%  | 0.381% |
| 57 | 9.580  | 1272 | 1274 | 1276 | rVV3 | 50982  | 50349  | 8.79%  | 0.459% |
| 58 | 9.604  | 1276 | 1278 | 1281 | rVV4 | 48568  | 54424  | 9.50%  | 0.496% |
| 59 | 9.639  | 1281 | 1284 | 1287 | rVV3 | 210278 | 244170 | 42.63% | 2.224% |
| 60 | 9.669  | 1287 | 1289 | 1292 | rVV2 | 44894  | 51228  | 8.94%  | 0.467% |
| 61 | 9.704  | 1292 | 1295 | 1297 | rVV3 | 50535  | 47041  | 8.21%  | 0.429% |
| 62 | 9.745  | 1300 | 1302 | 1304 | rVB3 | 27756  | 20081  | 3.51%  | 0.183% |
| 63 | 9.792  | 1307 | 1310 | 1313 | rBV4 | 25813  | 24685  | 4.31%  | 0.225% |
| 64 | 9.851  | 1317 | 1320 | 1325 | rVB  | 230257 | 181812 | 31.74% | 1.656% |
| 65 | 9.928  | 1330 | 1333 | 1337 | rVV2 | 577835 | 497084 | 86.78% | 4.528% |
| 66 | 10.027 | 1348 | 1350 | 1355 | rVB6 | 24523  | 26409  | 4.61%  | 0.241% |
| 67 | 10.086 | 1355 | 1360 | 1362 | rVV5 | 25126  | 41856  | 7.31%  | 0.381% |
| 68 | 10.110 | 1362 | 1364 | 1368 | rVV4 | 32238  | 50681  | 8.85%  | 0.462% |
| 69 | 10.169 | 1372 | 1374 | 1379 | rVV2 | 45708  | 62905  | 10.98% | 0.573% |
| 70 | 10.245 | 1384 | 1387 | 1389 | rBV2 | 25878  | 25784  | 4.50%  | 0.235% |
| 71 | 10.298 | 1393 | 1396 | 1399 | rVB4 | 18767  | 20570  | 3.59%  | 0.187% |

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 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-110917-E

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 72  | 10.351 | 1399 | 1405 | 1408 | rBV  | 165719 | 140843 | 24.59% | 1.283% |
| 73  | 10.410 | 1412 | 1415 | 1421 | rVB7 | 13307  | 21294  | 3.72%  | 0.194% |
| 74  | 10.475 | 1422 | 1426 | 1431 | rBV6 | 18420  | 30731  | 5.37%  | 0.280% |
| 75  | 10.569 | 1438 | 1442 | 1448 | rVB  | 62596  | 82862  | 14.47% | 0.755% |
| 76  | 10.633 | 1448 | 1453 | 1456 | rBV  | 94717  | 98283  | 17.16% | 0.895% |
| 77  | 10.710 | 1464 | 1466 | 1470 | rVB  | 204840 | 181040 | 31.61% | 1.649% |
| 78  | 10.822 | 1483 | 1485 | 1490 | rBV2 | 111563 | 169166 | 29.53% | 1.541% |
| 79  | 11.274 | 1558 | 1562 | 1564 | rBV  | 68812  | 61580  | 10.75% | 0.561% |
| 80  | 11.304 | 1564 | 1567 | 1572 | rVB2 | 48324  | 56218  | 9.81%  | 0.512% |
| 81  | 11.416 | 1583 | 1586 | 1588 | rBV  | 509186 | 422041 | 73.68% | 3.845% |
| 82  | 11.439 | 1588 | 1590 | 1593 | rVV  | 115324 | 87775  | 15.32% | 0.800% |
| 83  | 11.492 | 1596 | 1599 | 1601 | rVB  | 26040  | 23996  | 4.19%  | 0.219% |
| 84  | 11.651 | 1622 | 1626 | 1629 | rVV2 | 15548  | 22457  | 3.92%  | 0.205% |
| 85  | 11.698 | 1631 | 1634 | 1637 | rVV  | 61196  | 49451  | 8.63%  | 0.451% |
| 86  | 11.916 | 1668 | 1671 | 1674 | rBV2 | 15488  | 22298  | 3.89%  | 0.203% |
| 87  | 12.027 | 1686 | 1690 | 1692 | rBV  | 22037  | 26744  | 4.67%  | 0.244% |
| 88  | 12.104 | 1700 | 1703 | 1707 | rVB  | 43142  | 36826  | 6.43%  | 0.335% |
| 89  | 12.486 | 1766 | 1768 | 1776 | rVB4 | 54350  | 90231  | 15.75% | 0.822% |
| 90  | 12.627 | 1789 | 1792 | 1795 | rVB  | 201030 | 159282 | 27.81% | 1.451% |
| 91  | 12.857 | 1825 | 1831 | 1836 | rBV  | 186799 | 208047 | 36.32% | 1.895% |
| 92  | 12.992 | 1849 | 1854 | 1863 | rVB  | 335526 | 318242 | 55.56% | 2.899% |
| 93  | 13.068 | 1863 | 1867 | 1872 | rBV7 | 20477  | 40626  | 7.09%  | 0.370% |
| 94  | 13.180 | 1884 | 1886 | 1890 | rVB  | 27581  | 23964  | 4.18%  | 0.218% |
| 95  | 13.221 | 1890 | 1893 | 1895 | rBV2 | 27162  | 23770  | 4.15%  | 0.217% |
| 96  | 13.886 | 2004 | 2006 | 2011 | rVB4 | 36142  | 47865  | 8.36%  | 0.436% |
| 97  | 14.051 | 2030 | 2034 | 2037 | rBV2 | 495594 | 508890 | 88.84% | 4.636% |
| 98  | 14.074 | 2037 | 2038 | 2043 | rVB  | 69768  | 59414  | 10.37% | 0.541% |
| 99  | 15.098 | 2209 | 2212 | 2219 | rVB  | 53910  | 88451  | 15.44% | 0.806% |
| 100 | 15.533 | 2282 | 2286 | 2294 | rVB2 | 246639 | 348625 | 60.86% | 3.176% |

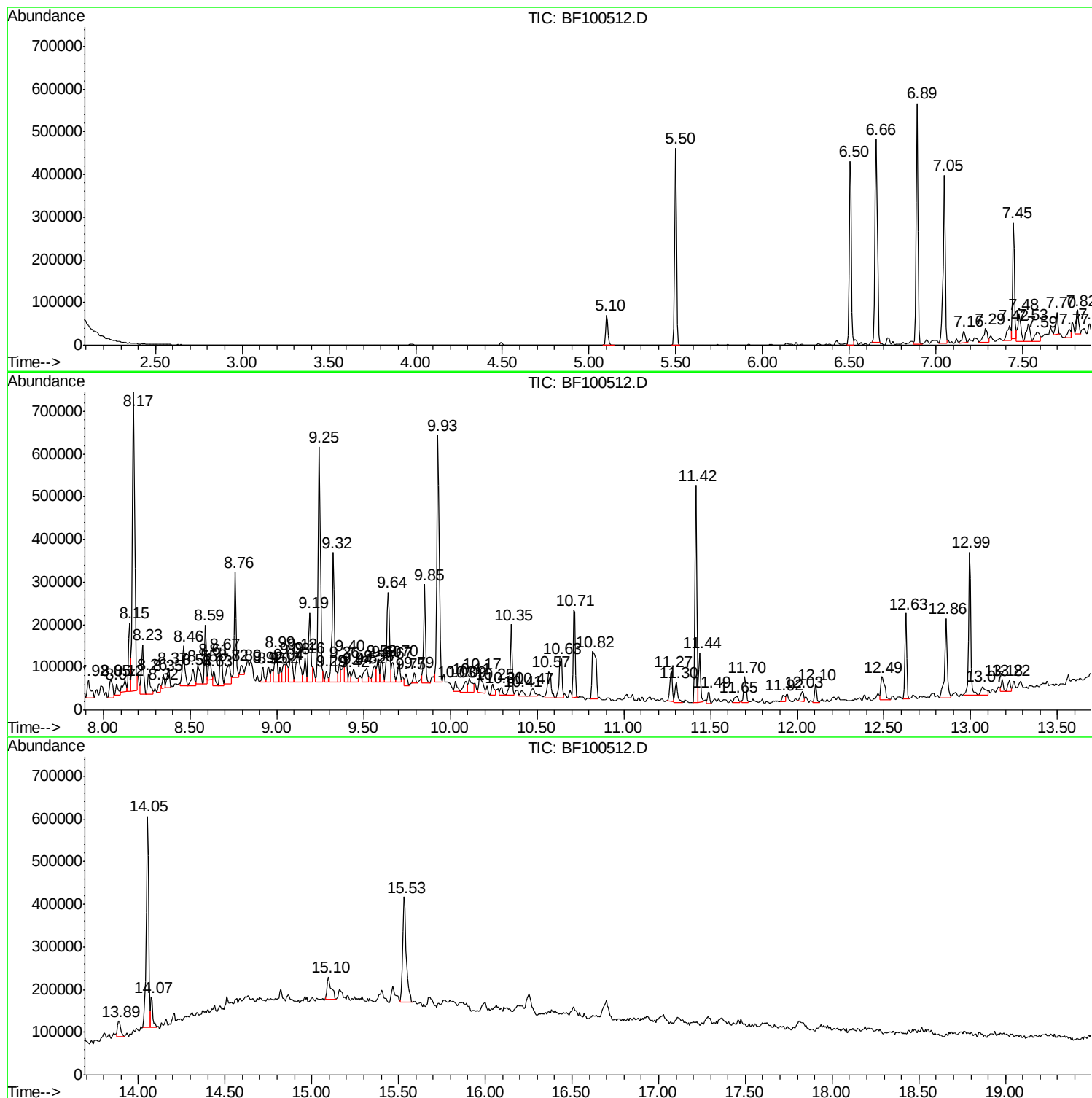
Sum of corrected areas: 10976899

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Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-E

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\  
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

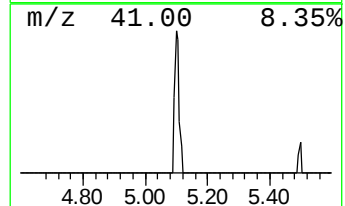
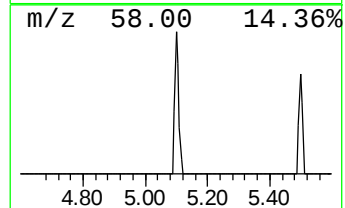
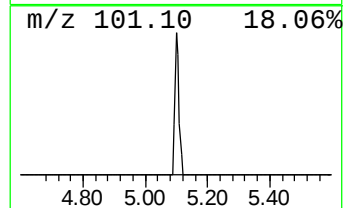
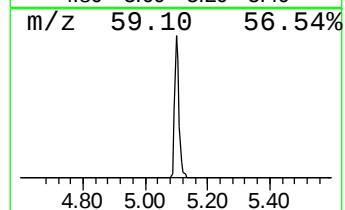
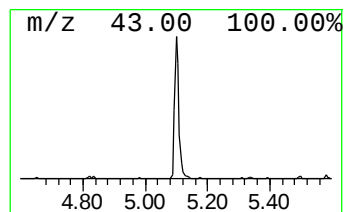
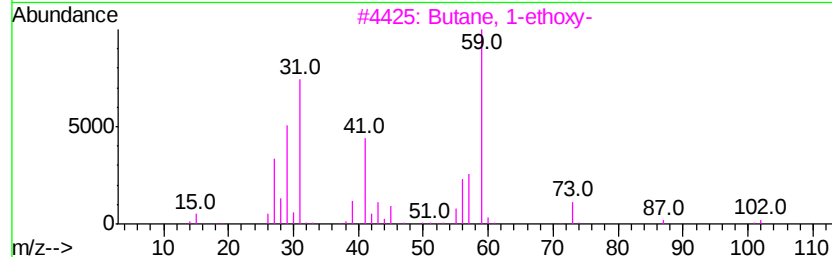
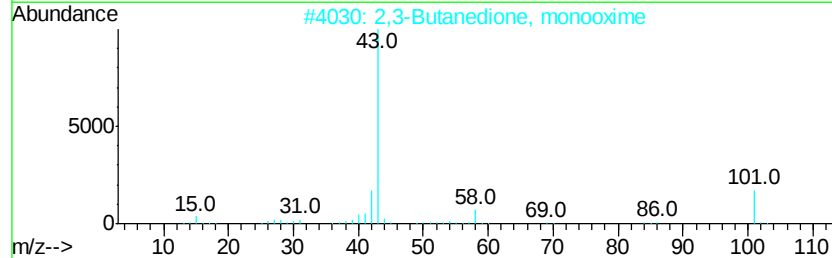
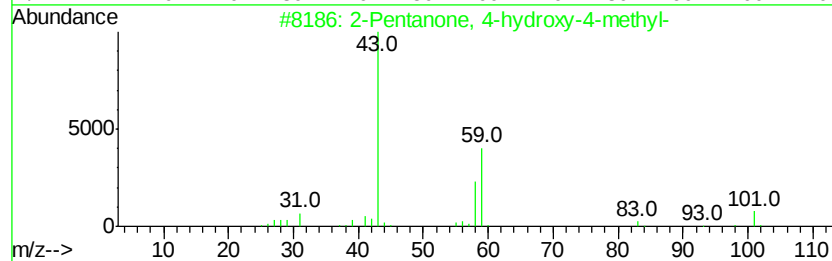
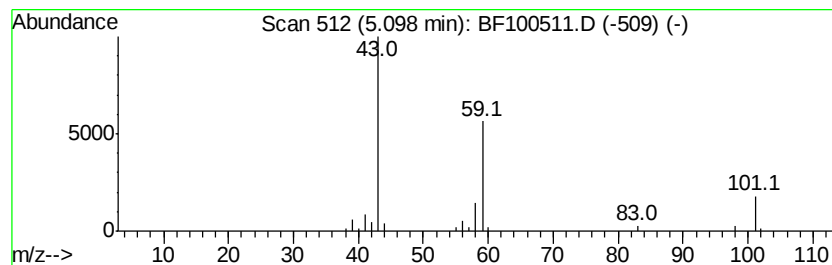
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 17

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 5.10 | 3.03 ng | 67805 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 45   |
| 2    |    |   | 2,3-Butanedione, monooxime       | 101 | C4H7NO2 | 000057-71-6 | 35   |
| 3    |    |   | Butane, 1-ethoxy-                | 102 | C6H14O  | 000628-81-9 | 9    |
| 4    |    |   | 3-Octanol                        | 130 | C8H18O  | 000589-98-0 | 9    |
| 5    |    |   | 3-Hexanol, 4-methyl-             | 116 | C7H16O  | 000615-29-2 | 9    |



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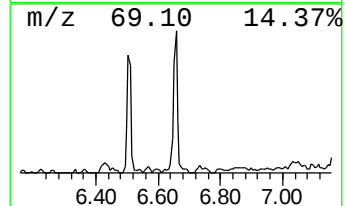
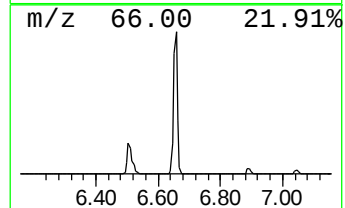
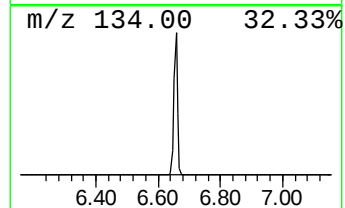
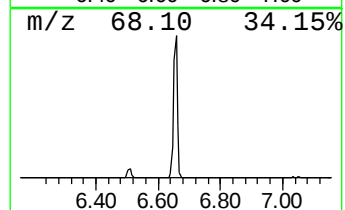
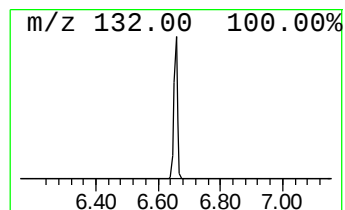
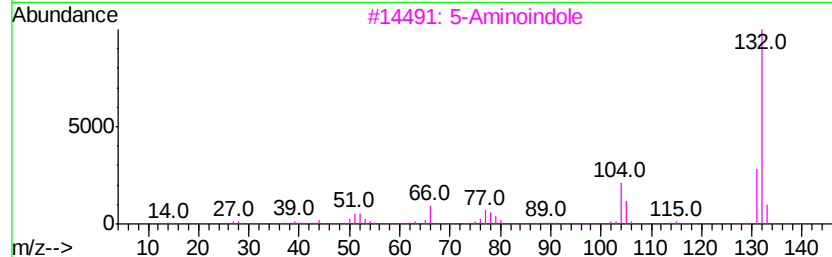
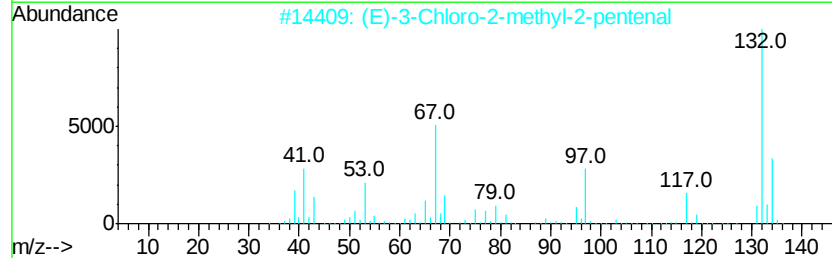
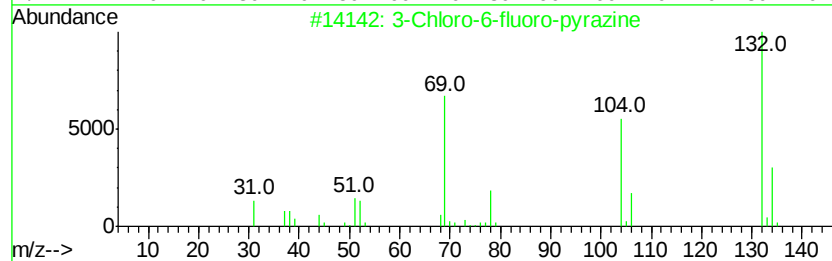
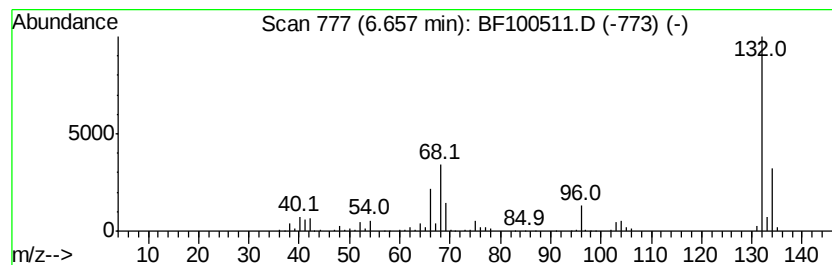
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 unknown6.66 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.66 | 17.78 ng | 398211 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|---|----------------------------------|-----|-----------|--------------|------|
| 1    |    |   | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    |   | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    |   | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    |   | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 5    |    |   | 4-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-60-2  | 9    |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\  
Data File : BF100511.D  
Acq On : 13 Nov 2017 19:34  
Operator : SJ/JU  
Sample : I6301-09 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-E

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

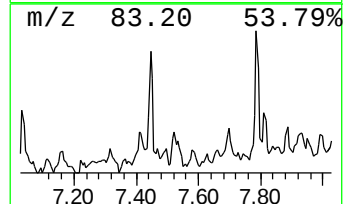
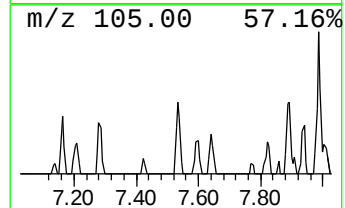
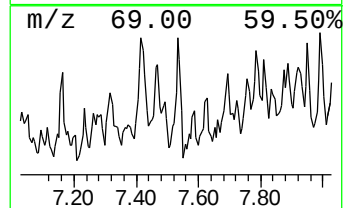
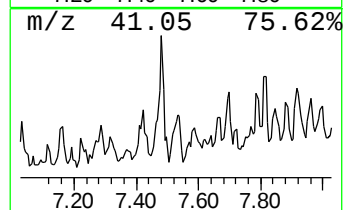
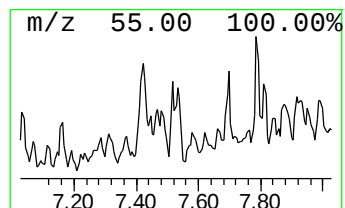
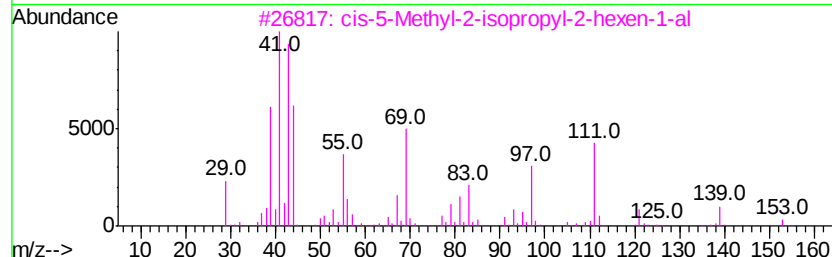
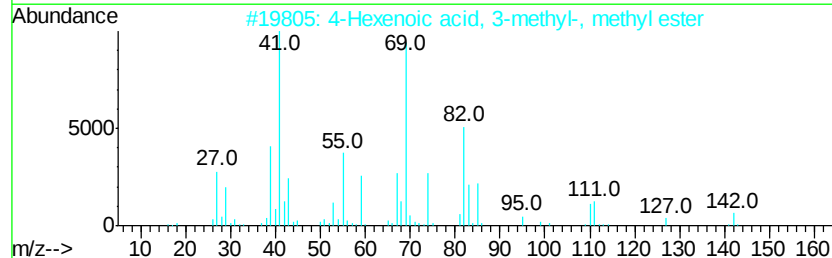
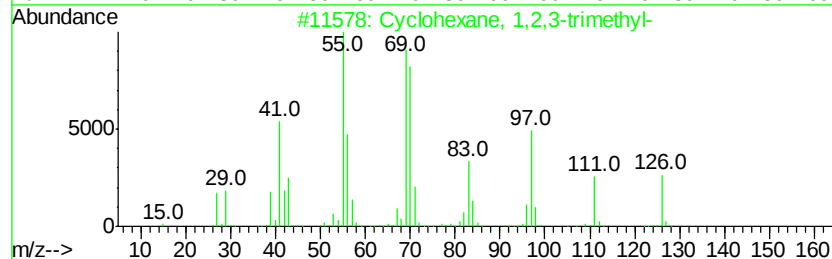
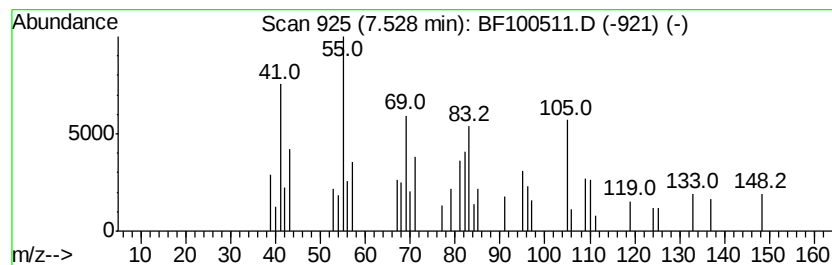
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TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown7.53 Concentration Rank 20

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 7.53 | 2.71 ng | 60754 | 1,4-Dichlorobenzene-d4 | 6.89 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Cyclohexane, 1,2,3-trimethyl-       | 126 | C9H18   | 001678-97-3  | 38   |
| 2    |    |   | 4-Hexenoic acid, 3-methyl-, meth... | 142 | C8H14O2 | 054004-27-2  | 35   |
| 3    |    |   | cis-5-Methyl-2-isopropyl-2-hexen... | 154 | C10H18O | 1000139-66-2 | 32   |
| 4    |    |   | 5-Octadecene, (E)-                  | 252 | C18H36  | 007206-21-5  | 32   |
| 5    |    |   | 3-Ethyl-2-methyl-1-heptene          | 140 | C10H20  | 019780-60-0  | 22   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\  
Data File : BF100511.D  
Acq On : 13 Nov 2017 19:34  
Operator : SJ/JU  
Sample : I6301-09 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-E

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

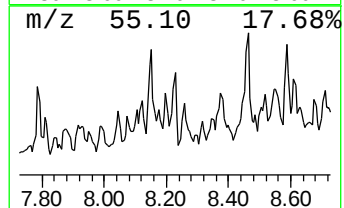
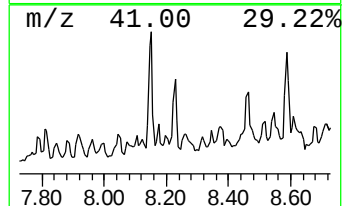
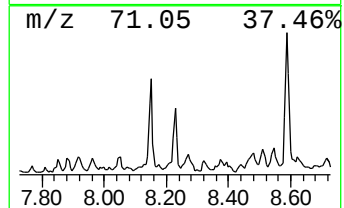
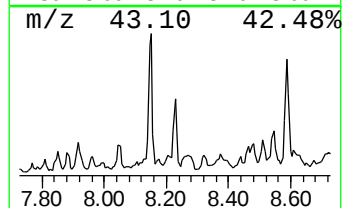
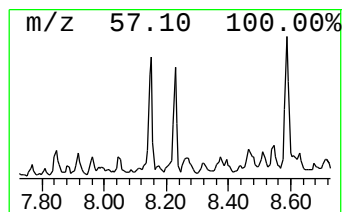
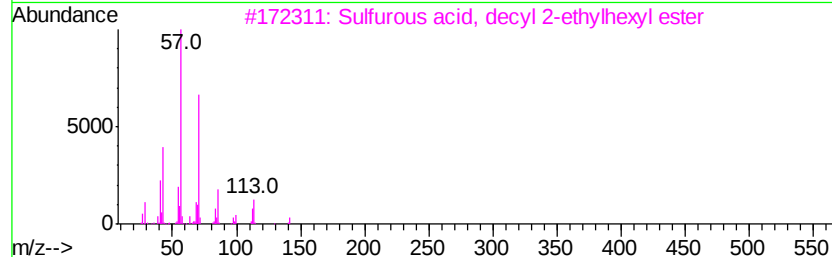
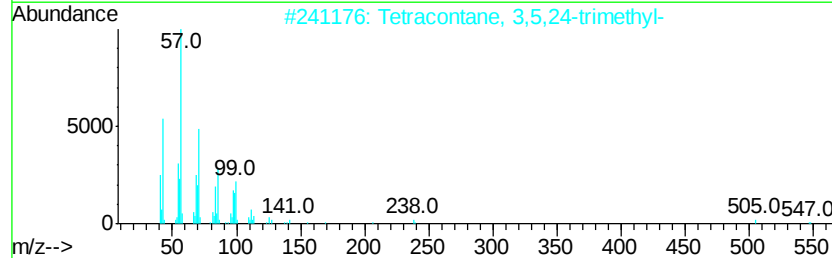
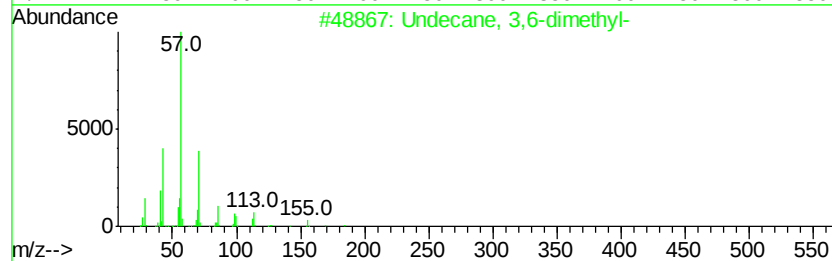
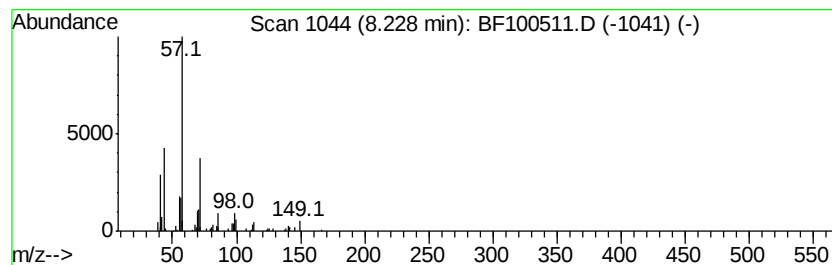
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Undecane, 3,6-dimethyl- Concentration Rank 14

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.23 | 3.56 ng | 102040 | Napthalene-d8    | 8.17 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Undecane, 3,6-dimethyl-             | 184 | C13H28    | 017301-28-9  | 64   |
| 2    |    | Tetracontane, 3,5,24-trimethyl-     | 605 | C43H88    | 055162-61-3  | 64   |
| 3    |    | Sulfurous acid, decyl 2-ethylhex... | 334 | C18H38O3S | 1000309-19-3 | 59   |
| 4    |    | Decane, 2,6,8-trimethyl-            | 184 | C13H28    | 062108-26-3  | 59   |
| 5    |    | Dodecane, 2,7,10-trimethyl-         | 212 | C15H32    | 074645-98-0  | 53   |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111317\  
Data File : BF100511.D  
Acq On : 13 Nov 2017 19:34  
Operator : SJ/JU  
Sample : I6301-09 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-E

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

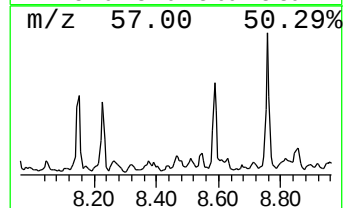
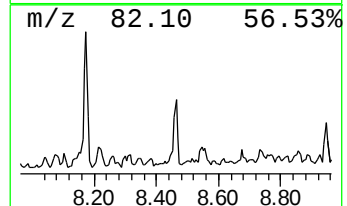
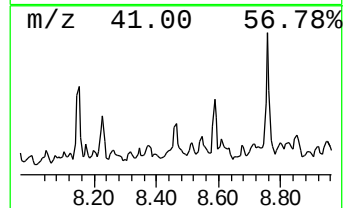
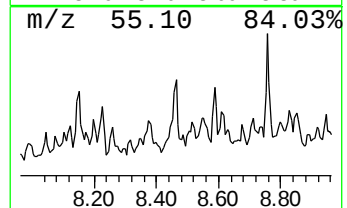
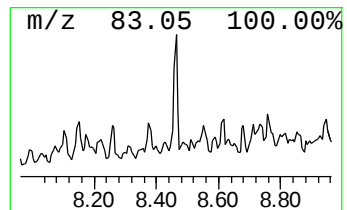
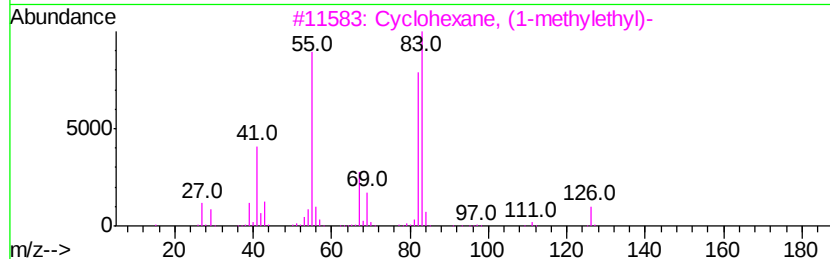
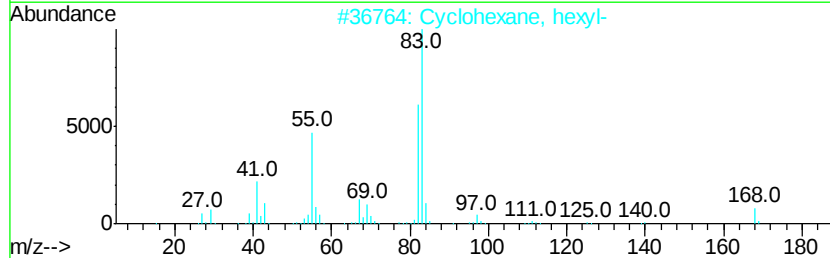
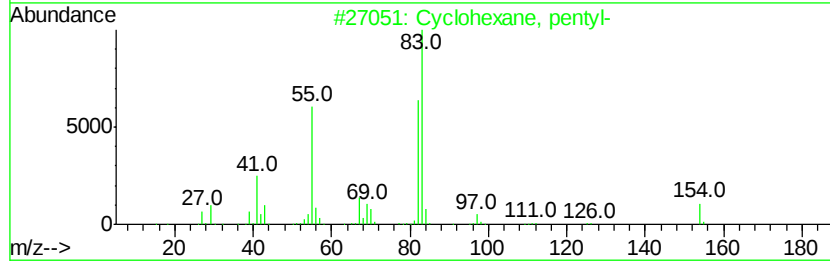
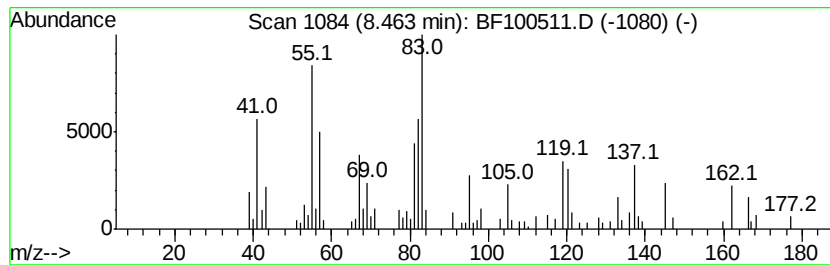
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 unknown8.46 Concentration Rank 13

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.46 | 3.61 ng | 103295 | Naphthalene-d8   | 8.17 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, pentyl-                | 154 | C11H22  | 004292-92-6 | 35   |
| 2    |    |   | Cyclohexane, hexyl-                 | 168 | C12H24  | 004292-75-5 | 35   |
| 3    |    |   | Cyclohexane, (1-methylethyl)-       | 126 | C9H18   | 000696-29-7 | 35   |
| 4    |    |   | Cyclohexane, propyl-                | 126 | C9H18   | 001678-92-8 | 35   |
| 5    |    |   | Cyclopentane, 1-methyl-2-(2-prop... | 124 | C9H16   | 050746-53-7 | 35   |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111317\  
Data File : BF100511.D  
Acq On : 13 Nov 2017 19:34  
Operator : SJ/JU  
Sample : I6301-09 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

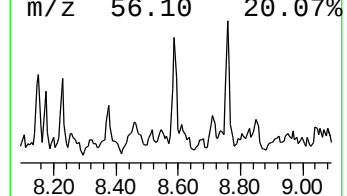
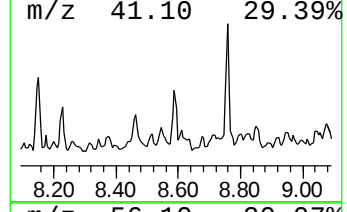
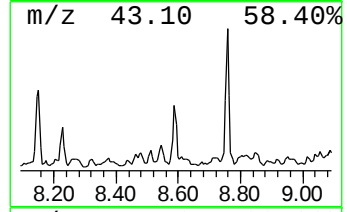
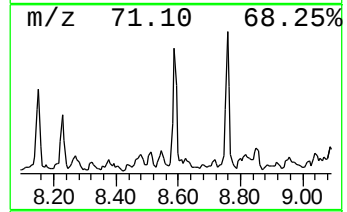
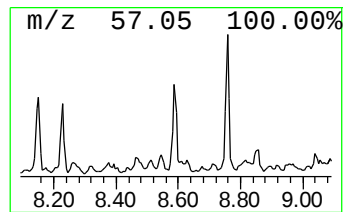
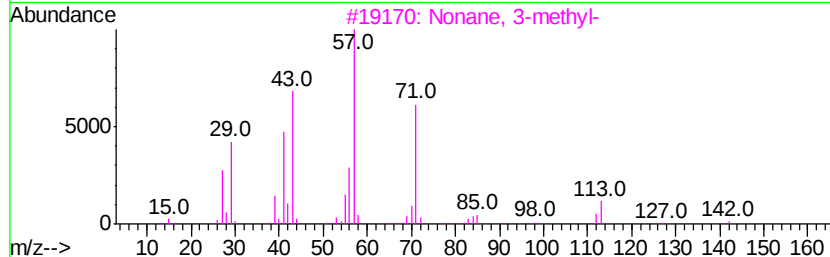
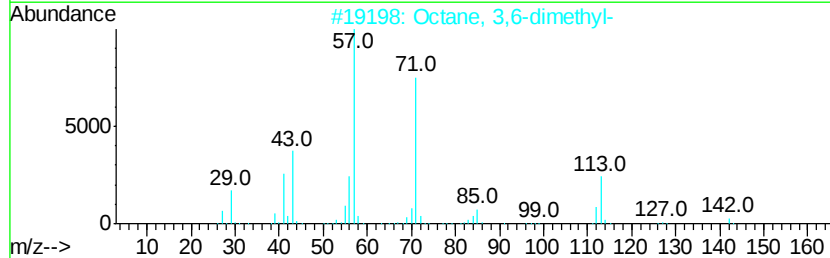
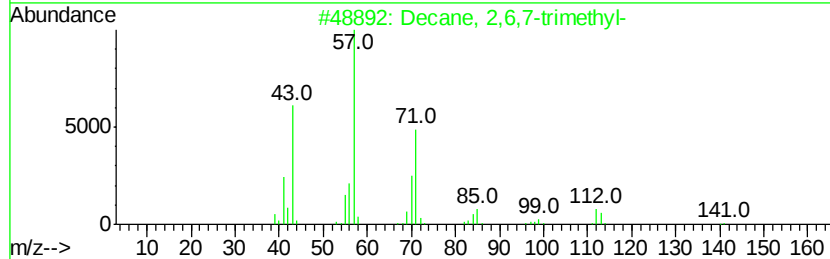
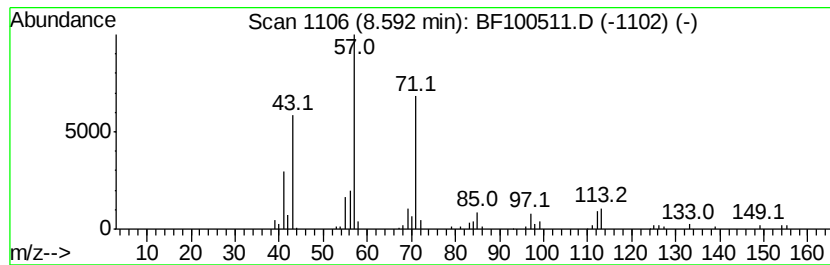
Instrument :  
BNA\_F  
ClientSampled :  
JC-02-110917-E

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.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 7 Decane, 2,6,7-trimethyl- Concentration Rank 12

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 8.59      | 3.80 ng                             | 108695 | Napthalene-d8    | 8.17         |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Decane, 2,6,7-trimethyl-            | 184    | C13H28           | 062108-25-2  | 78   |
| 2         | Octane, 3,6-dimethyl-               | 142    | C10H22           | 015869-94-0  | 78   |
| 3         | Nonane, 3-methyl-                   | 142    | C10H22           | 005911-04-6  | 78   |
| 4         | Sulfurous acid, butyl 2-ethylhex... | 250    | C12H26O3S        | 1000309-18-8 | 59   |
| 5         | Decane, 2,4-dimethyl-               | 170    | C12H26           | 002801-84-5  | 59   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\  
Data File : BF100511.D  
Acq On : 13 Nov 2017 19:34  
Operator : SJ/JU  
Sample : I6301-09 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-E

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

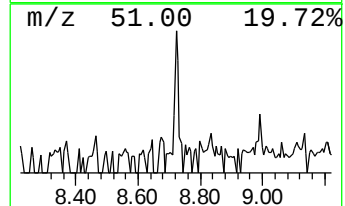
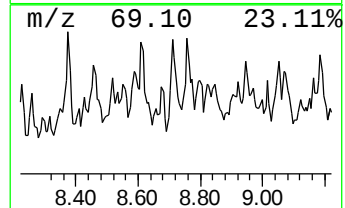
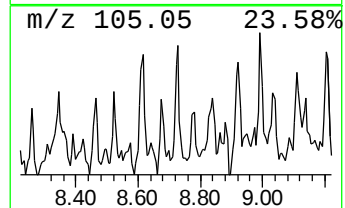
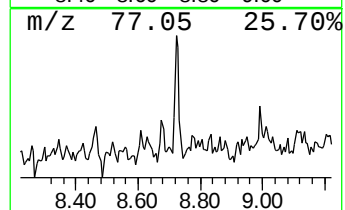
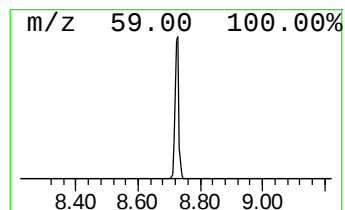
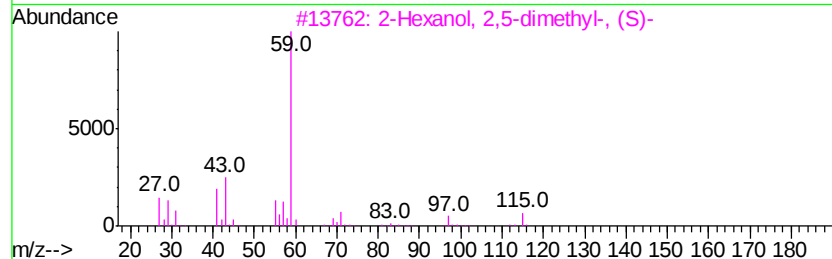
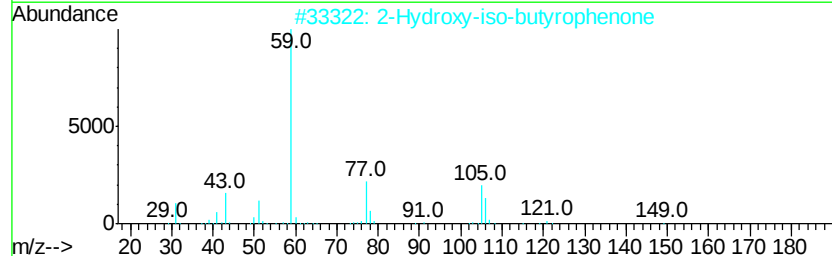
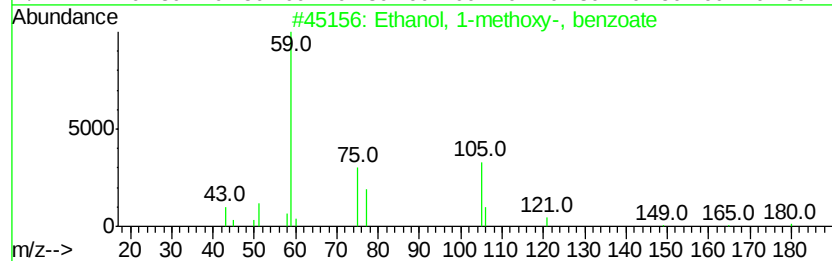
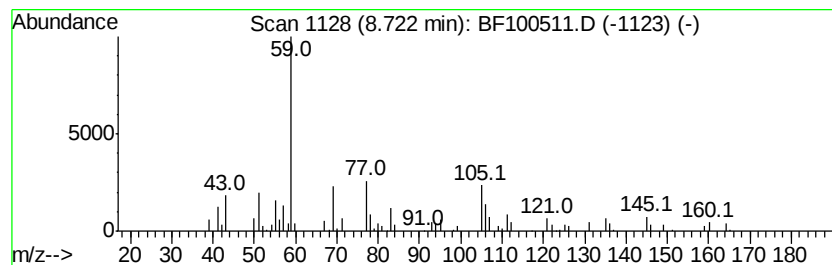
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Ethanol, 1-methoxy-, benzoate Concentration Rank 18

| R.T. | EstConc | Area  | Relative to ISTD | R.T. |
|------|---------|-------|------------------|------|
| 8.72 | 3.00 ng | 86000 | Naphthalene-d8   | 8.17 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
|------|----|-------------------------------------|-----|-----------|-------------|------|
| 1    | 5  | Ethanol, 1-methoxy-, benzoate       | 180 | C10H12O3  | 051835-44-0 | 64   |
| 2    |    | 2-Hydroxy-iso-butyrophenone         | 164 | C10H12O2  | 007473-98-5 | 64   |
| 3    |    | 2-Hexanol, 2,5-dimethyl-, (S)-      | 130 | C8H18O    | 003730-60-7 | 35   |
| 4    |    | Acetic acid, chloro-, 1,1-dimeth... | 150 | C6H11ClO2 | 000107-59-5 | 28   |
| 5    |    | 3-Hexanol, 4-ethyl-                 | 130 | C8H18O    | 019780-44-0 | 25   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\  
Data File : BF100511.D  
Acq On : 13 Nov 2017 19:34  
Operator : SJ/JU  
Sample : I6301-09 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-E

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

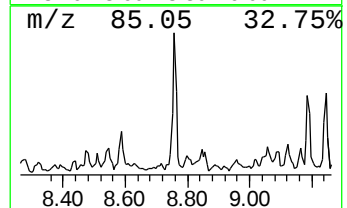
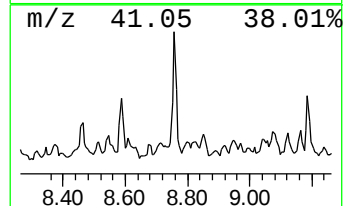
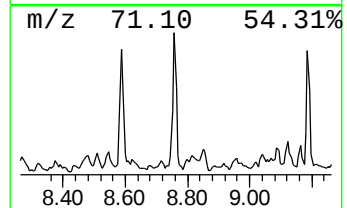
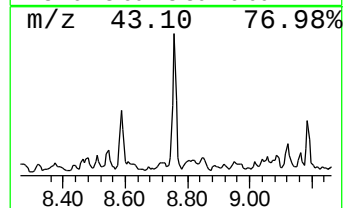
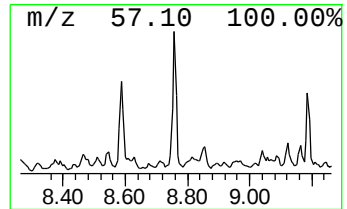
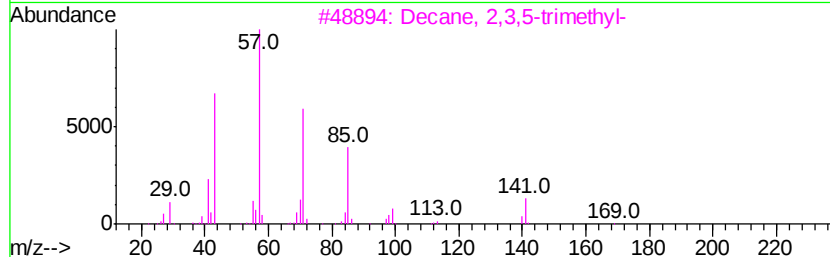
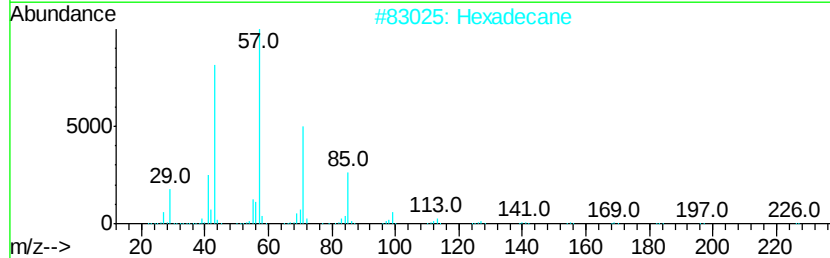
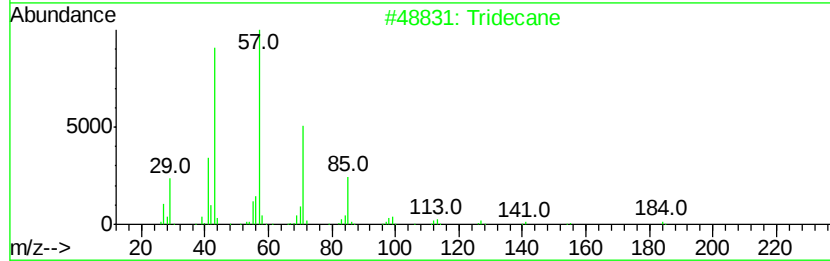
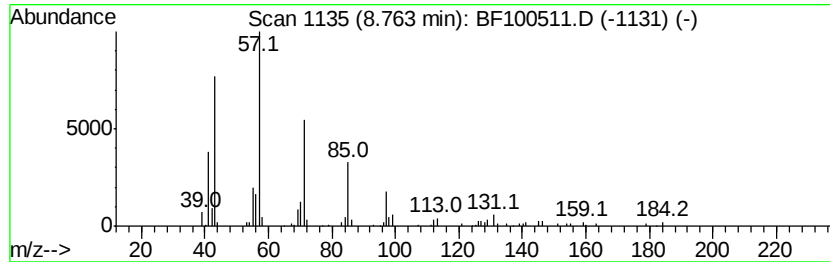
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.76 | 6.53 ng | 187008 | Naphthalene-d8   | 8.17 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Tridecane                | 184 | C13H28  | 000629-50-5 | 95   |
| 2    |    |   | Hexadecane               | 226 | C16H34  | 000544-76-3 | 86   |
| 3    |    |   | Decane, 2,3,5-trimethyl- | 184 | C13H28  | 062238-11-3 | 78   |
| 4    |    |   | Undecane, 4,8-dimethyl-  | 184 | C13H28  | 017301-33-6 | 68   |
| 5    |    |   | Undecane, 2,6-dimethyl-  | 184 | C13H28  | 017301-23-4 | 68   |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111317\  
Data File : BF100511.D  
Acq On : 13 Nov 2017 19:34  
Operator : SJ/JU  
Sample : I6301-09 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-E

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

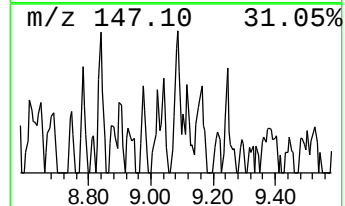
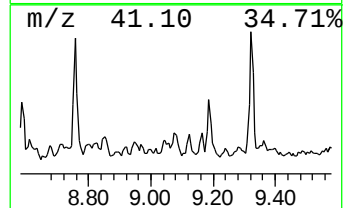
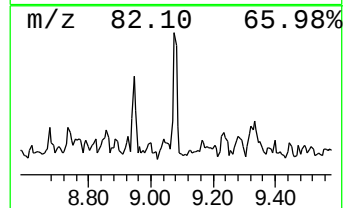
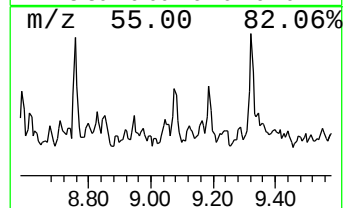
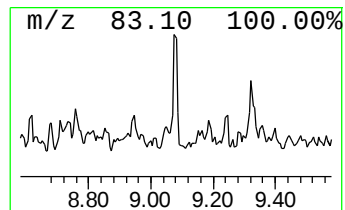
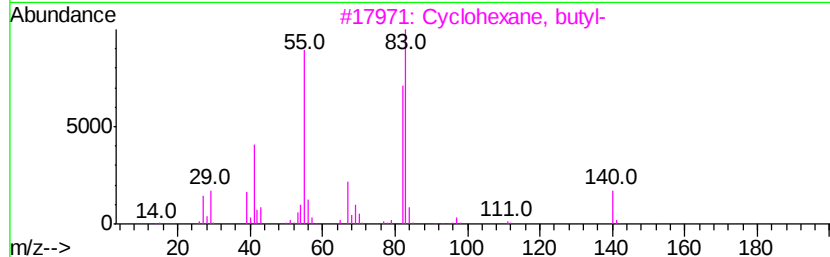
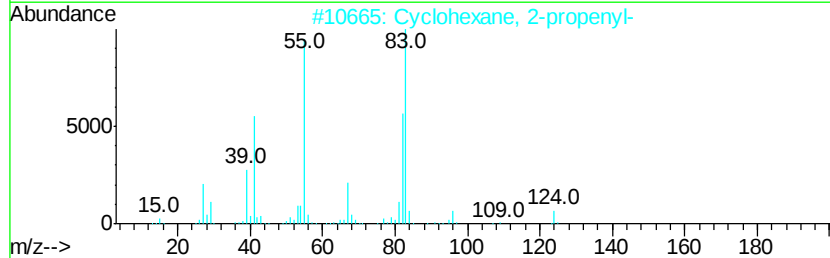
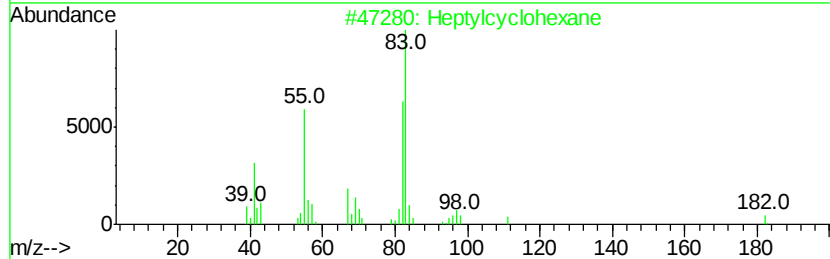
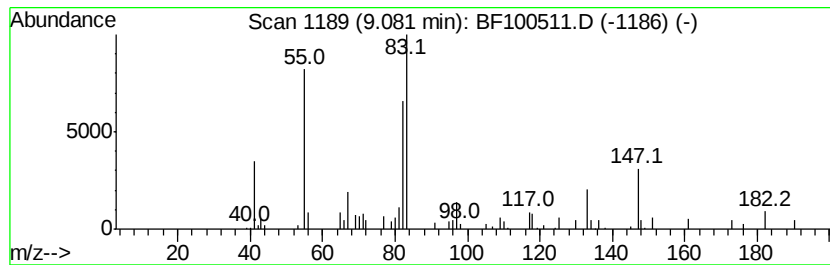
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 Heptylcyclohexane Concentration Rank 16

| R.T. | EstConc | Area  | Relative to ISTD | R.T. |
|------|---------|-------|------------------|------|
| 9.08 | 3.17 ng | 78815 | Acenaphthene-d10 | 9.93 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptylcyclohexane        | 182 | C13H26  | 005617-41-4 | 64   |
| 2    |    | Cyclohexane, 2-propenyl- | 124 | C9H16   | 002114-42-3 | 53   |
| 3    |    | Cyclohexane, butyl-      | 140 | C10H20  | 001678-93-9 | 53   |
| 4    |    | Cyclohexane, propyl-     | 126 | C9H18   | 001678-92-8 | 50   |
| 5    |    | Cyclohexane, nonadecyl-  | 350 | C25H50  | 022349-03-7 | 45   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\  
Data File : BF100511.D  
Acq On : 13 Nov 2017 19:34  
Operator : SJ/JU  
Sample : I6301-09 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-E

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

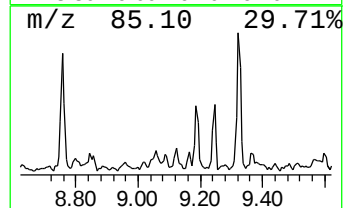
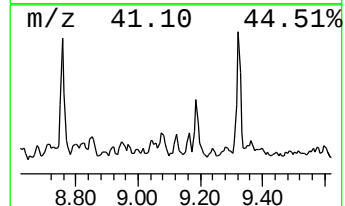
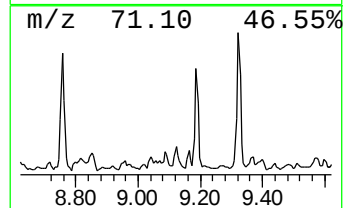
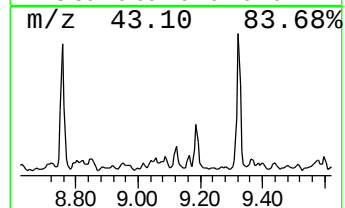
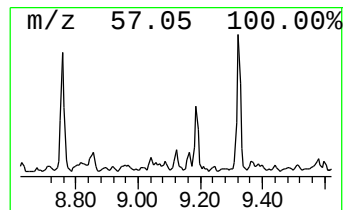
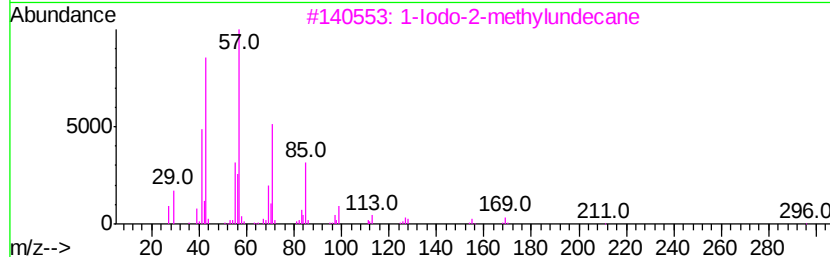
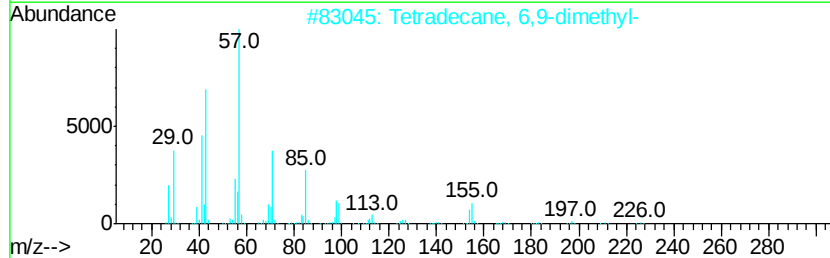
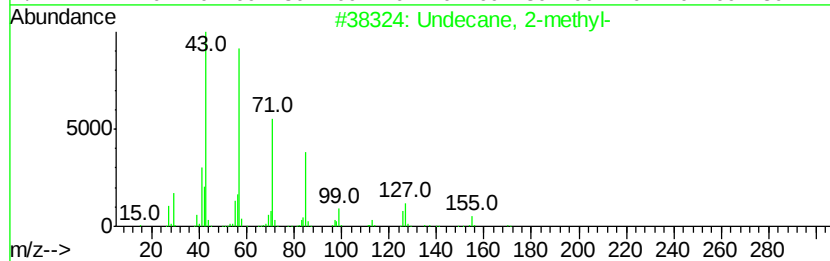
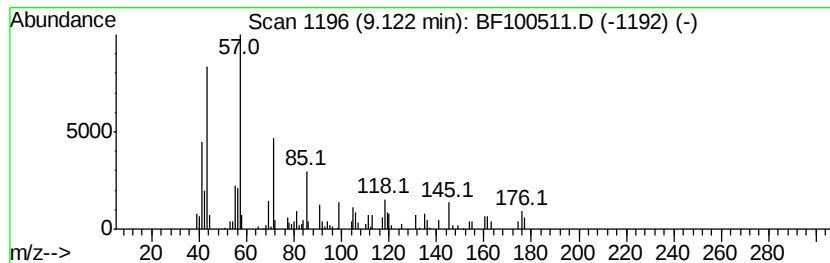
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TIC Integration Parameters: LSCINT.P

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Peak Number 11 Undecane, 2-methyl- Concentration Rank 10

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.12 | 4.11 ng | 102151 | Acenaphthene-d10 | 9.93 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Undecane, 2-methyl-        | 170 | C12H26  | 007045-71-8 | 53   |
| 2    |    |   | Tetradecane, 6,9-dimethyl- | 226 | C16H34  | 055045-13-1 | 53   |
| 3    |    |   | 1-Iodo-2-methylundecane    | 296 | C12H25I | 073105-67-6 | 53   |
| 4    |    |   | Octane, 2-methyl-          | 128 | C9H20   | 003221-61-2 | 53   |
| 5    |    |   | Nonadecane                 | 268 | C19H40  | 000629-92-5 | 53   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\  
Data File : BF100511.D  
Acq On : 13 Nov 2017 19:34  
Operator : SJ/JU  
Sample : I6301-09 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-E

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

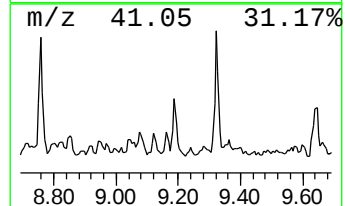
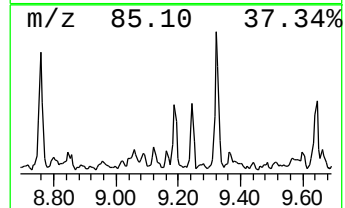
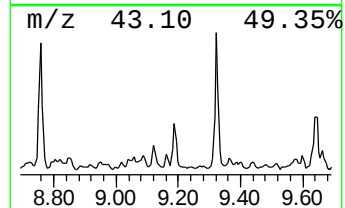
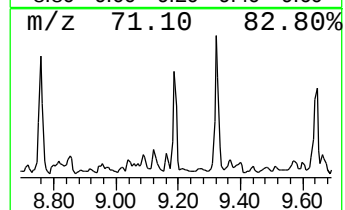
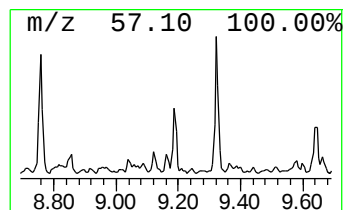
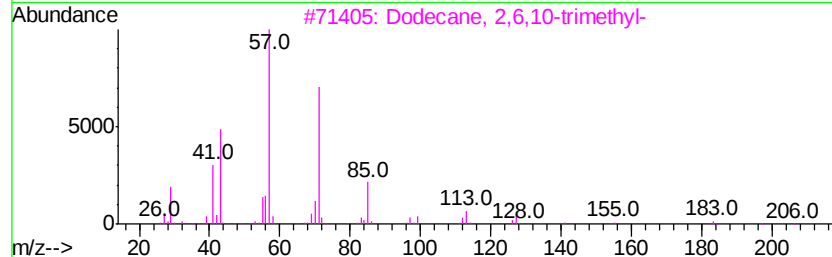
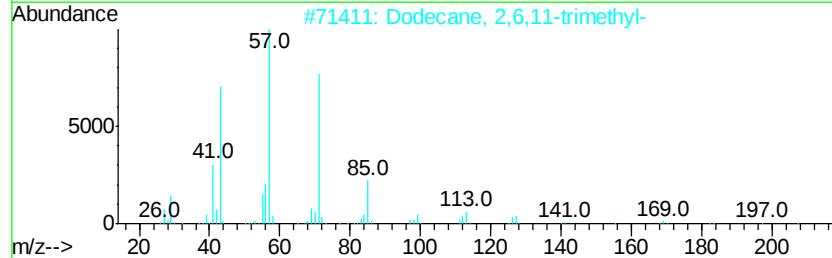
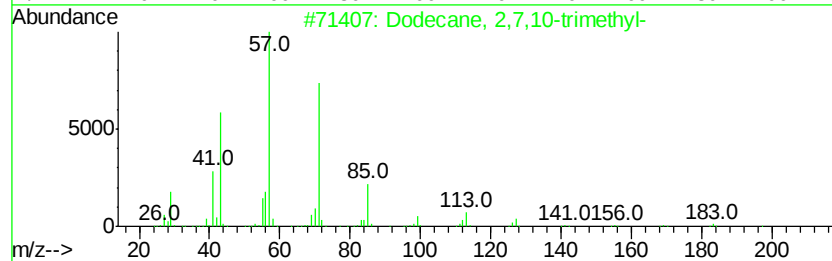
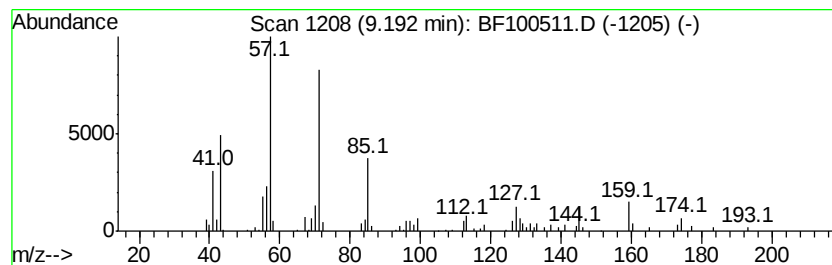
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Dodecane, 2,7,10-trimethyl- Concentration Rank 7

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.19 | 5.73 ng | 142406 | Acenaphthene-d10 | 9.93 |

| Hit# | of                          | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|-----------------------------|---|--------------|-----|---------|-------------|------|
| 1    | Dodecane, 2,7,10-trimethyl- |   |              | 212 | C15H32  | 074645-98-0 | 83   |
| 2    | Dodecane, 2,6,11-trimethyl- |   |              | 212 | C15H32  | 031295-56-4 | 72   |
| 3    | Dodecane, 2,6,10-trimethyl- |   |              | 212 | C15H32  | 003891-98-3 | 64   |
| 4    | Nonane, 3,7-dimethyl-       |   |              | 156 | C11H24  | 017302-32-8 | 64   |
| 5    | Octane, 3,6-dimethyl-       |   |              | 142 | C10H22  | 015869-94-0 | 59   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\  
Data File : BF100511.D  
Acq On : 13 Nov 2017 19:34  
Operator : SJ/JU  
Sample : I6301-09 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-E

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

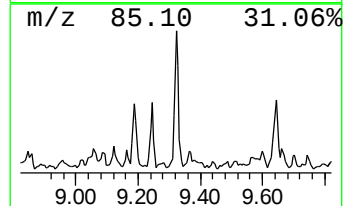
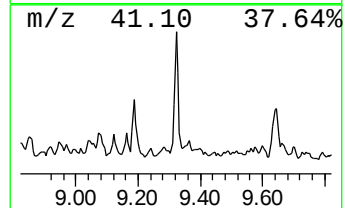
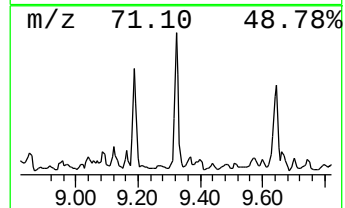
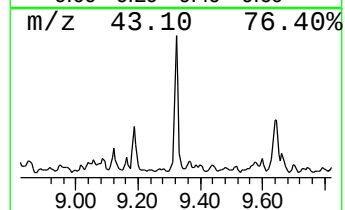
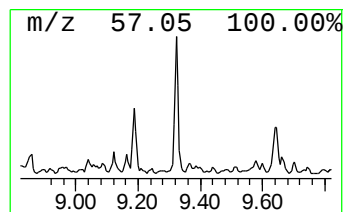
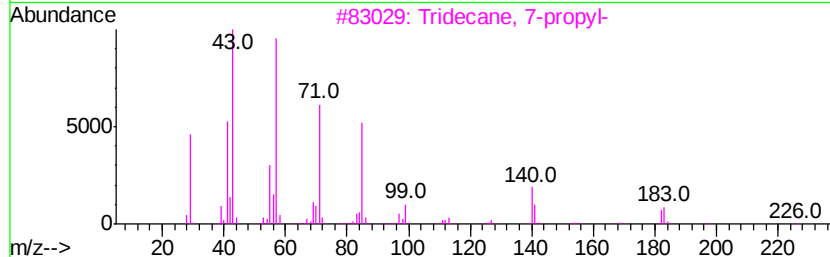
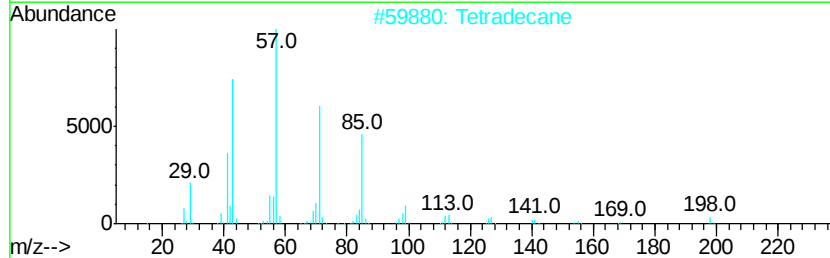
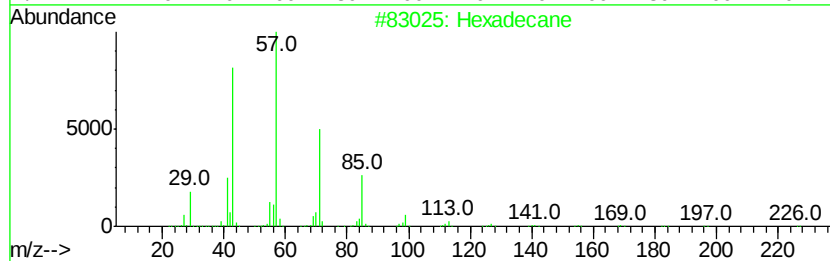
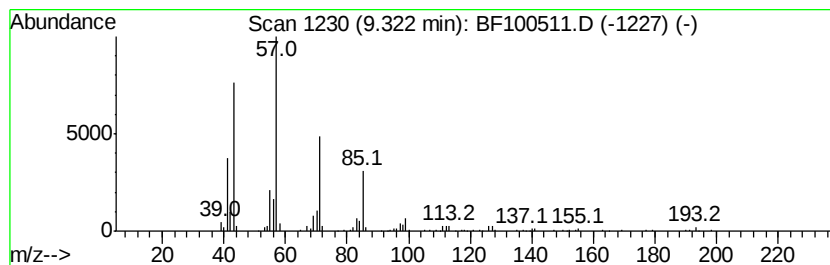
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 Hexadecane Concentration Rank 3

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 9.32 | 11.37 ng | 282578 | Acenaphthene-d10 | 9.93 |

| Hit# | of | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane           | 226 | C16H34  | 000544-76-3 | 90   |
| 2    |    | Tetradecane          | 198 | C14H30  | 000629-59-4 | 90   |
| 3    |    | Tridecane, 7-propyl- | 226 | C16H34  | 055045-09-5 | 86   |
| 4    |    | Undecane             | 156 | C11H24  | 001120-21-4 | 86   |
| 5    |    | Tridecane            | 184 | C13H28  | 000629-50-5 | 86   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\  
Data File : BF100511.D  
Acq On : 13 Nov 2017 19:34  
Operator : SJ/JU  
Sample : I6301-09 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-E

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

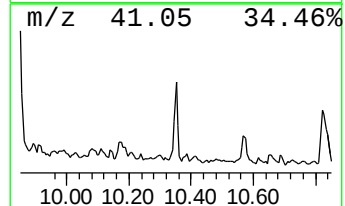
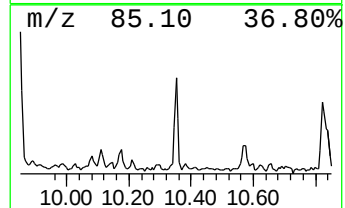
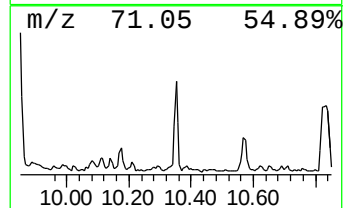
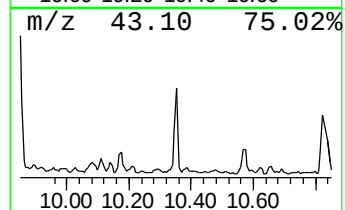
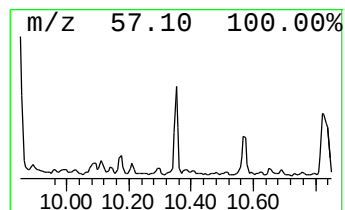
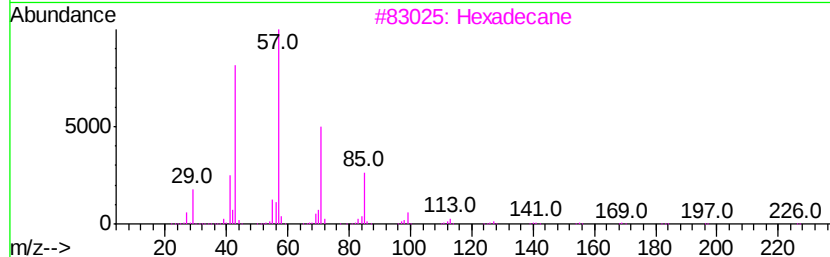
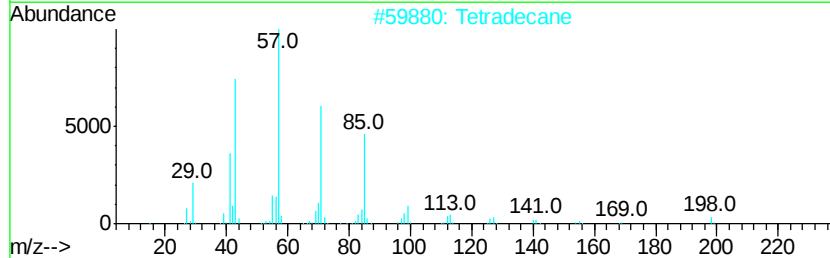
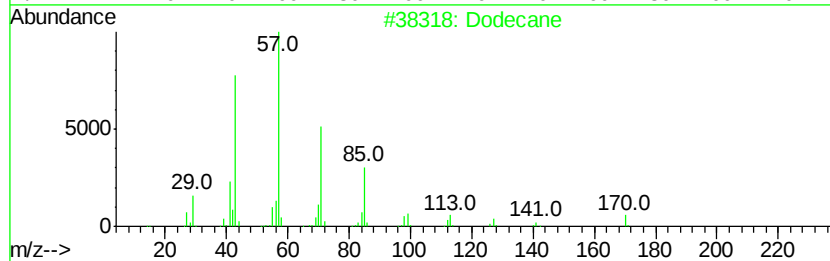
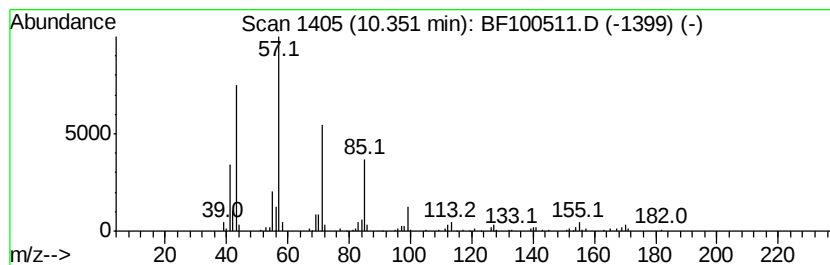
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 Dodecane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T. |
|-------|---------|--------|------------------|------|
| 10.35 | 5.67 ng | 140843 | Acenaphthene-d10 | 9.93 |

| Hit# of | 5           | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------|--------------|-----|---------|-------------|------|
| 1       | Dodecane    |              | 170 | C12H26  | 000112-40-3 | 87   |
| 2       | Tetradecane |              | 198 | C14H30  | 000629-59-4 | 86   |
| 3       | Hexadecane  |              | 226 | C16H34  | 000544-76-3 | 86   |
| 4       | Pentadecane |              | 212 | C15H32  | 000629-62-9 | 80   |
| 5       | Tetracosane |              | 338 | C24H50  | 000646-31-1 | 72   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\  
Data File : BF100511.D  
Acq On : 13 Nov 2017 19:34  
Operator : SJ/JU  
Sample : I6301-09 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-E

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

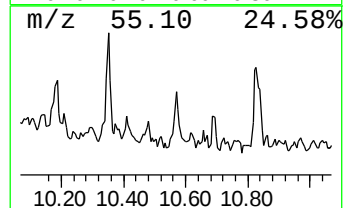
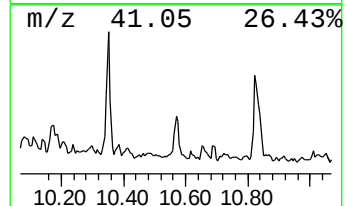
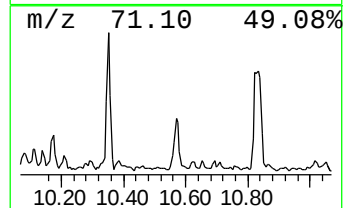
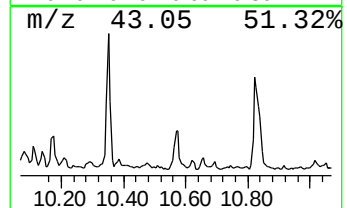
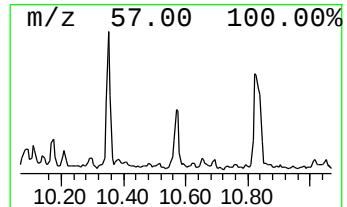
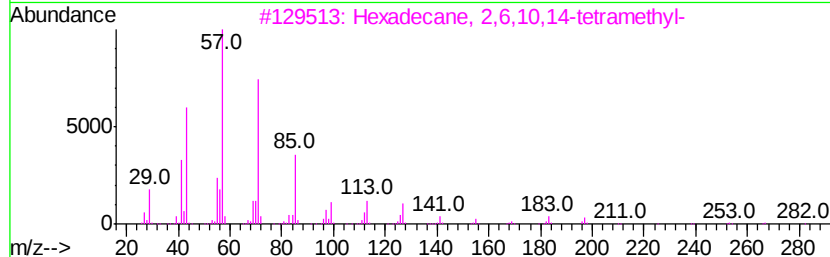
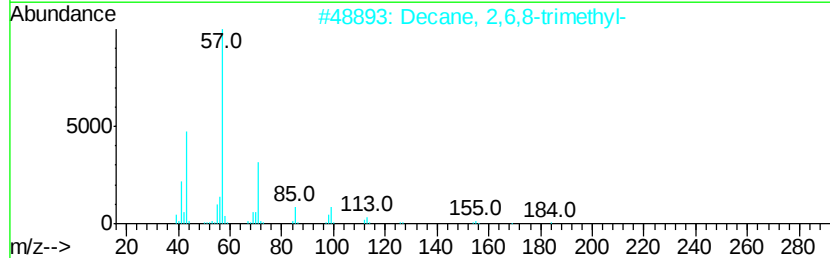
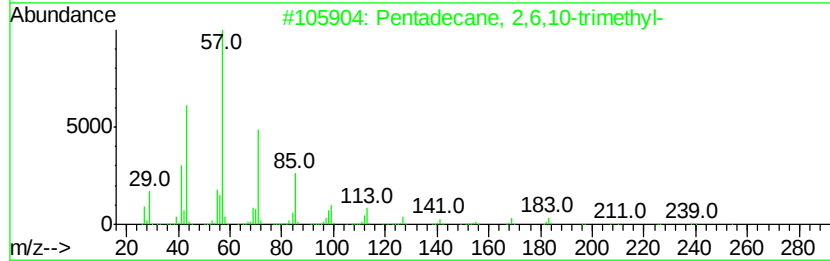
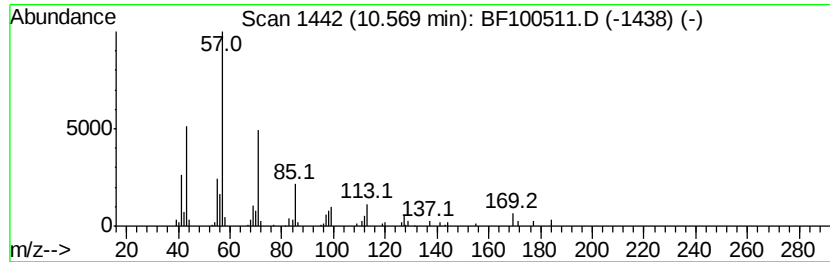
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TIC Integration Parameters: LSCINT.P

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Peak Number 16 Pentadecane, 2,6,10-trimethyl- Concentration Rank 15

| R.T.  | EstConc | Area  | Relative to ISTD | R.T. |
|-------|---------|-------|------------------|------|
| 10.57 | 3.33 ng | 82862 | Acenaphthene-d10 | 9.93 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane, 2,6,10-trimethyl-     | 254 | C18H38  | 003892-00-0 | 90   |
| 2    |    | Decane, 2,6,8-trimethyl-           | 184 | C13H28  | 062108-26-3 | 76   |
| 3    |    | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42  | 000638-36-8 | 72   |
| 4    |    | Dodecane, 2,6,11-trimethyl-        | 212 | C15H32  | 031295-56-4 | 64   |
| 5    |    | Heptacosane                        | 380 | C27H56  | 000593-49-7 | 64   |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111317\  
Data File : BF100511.D  
Acq On : 13 Nov 2017 19:34  
Operator : SJ/JU  
Sample : I6301-09 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

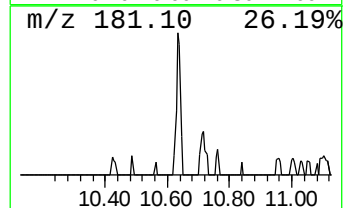
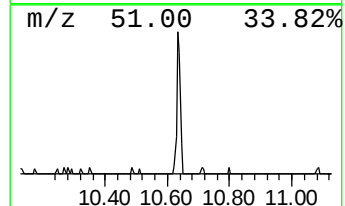
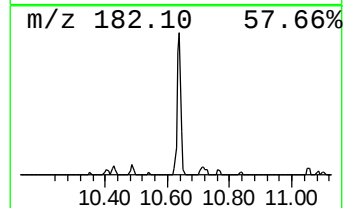
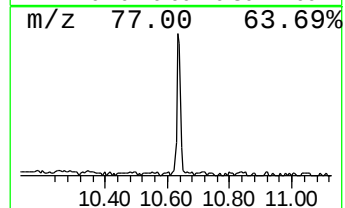
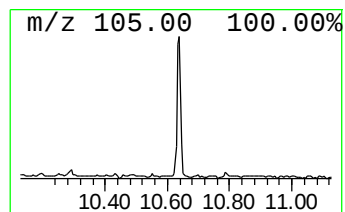
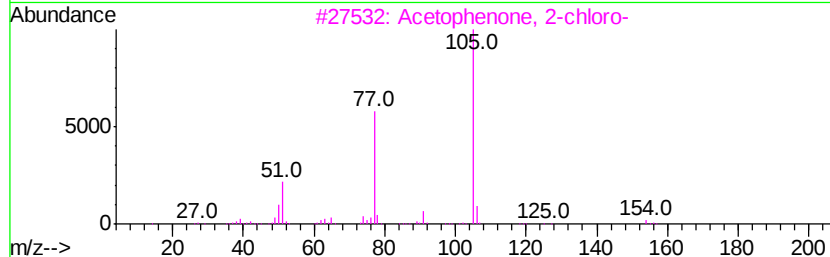
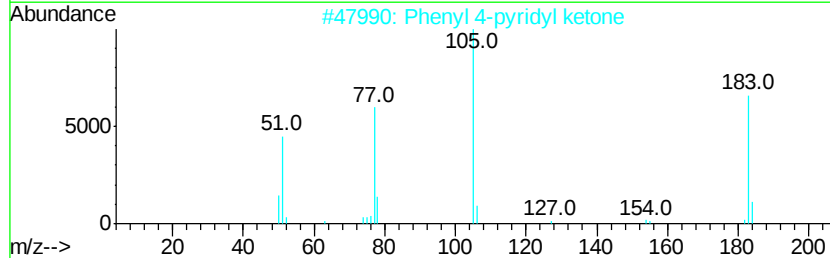
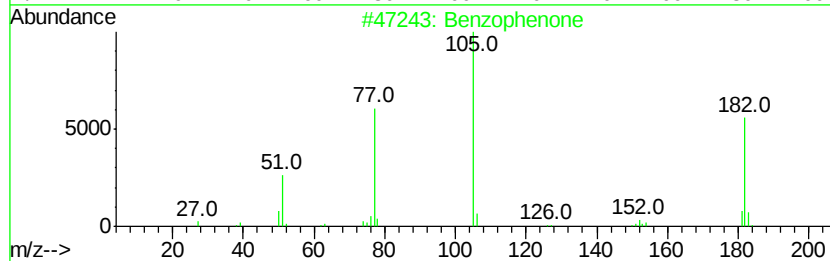
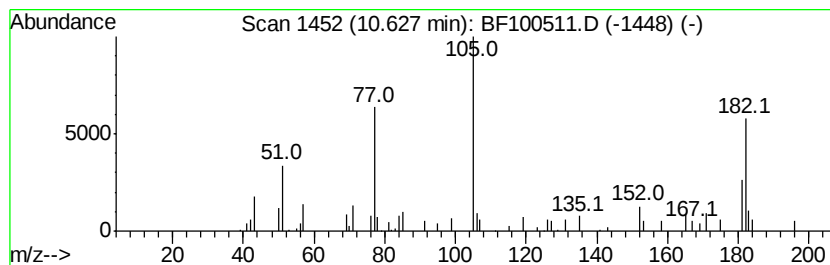
Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-E

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.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 17 Benzophenone Concentration Rank 11

| R.T.  | EstConc | Area  | Relative to ISTD                   |     | R.T.     |             |      |
|-------|---------|-------|------------------------------------|-----|----------|-------------|------|
| 10.63 | 3.95 ng | 98283 | Acenaphthene-d10                   |     | 9.93     |             |      |
| Hit#  | of      | 5     | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
| 1     |         |       | Benzophenone                       | 182 | C13H10O  | 000119-61-9 | 96   |
| 2     |         |       | Phenyl 4-pyridyl ketone            | 183 | C12H9NO  | 014548-46-0 | 58   |
| 3     |         |       | Acetophenone, 2-chloro-            | 154 | C8H7ClO  | 000532-27-4 | 49   |
| 4     |         |       | Benzenebutanoic acid, .gamma.-oxo- | 178 | C10H10O3 | 002051-95-8 | 47   |
| 5     |         |       | Benzenepropanenitrile, .beta.-oxo- | 145 | C9H7NO   | 000614-16-4 | 47   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\  
Data File : BF100511.D  
Acq On : 13 Nov 2017 19:34  
Operator : SJ/JU  
Sample : I6301-09 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

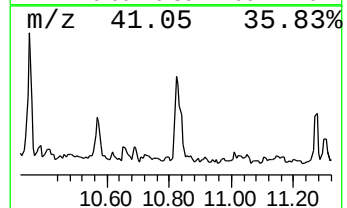
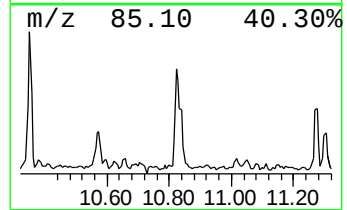
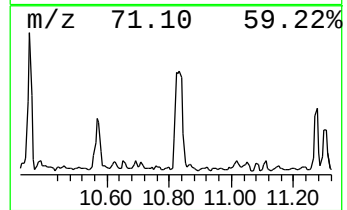
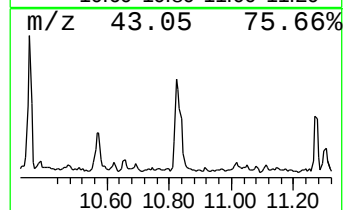
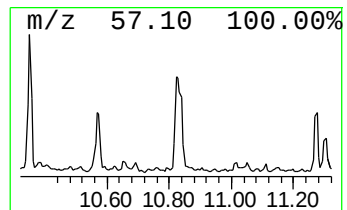
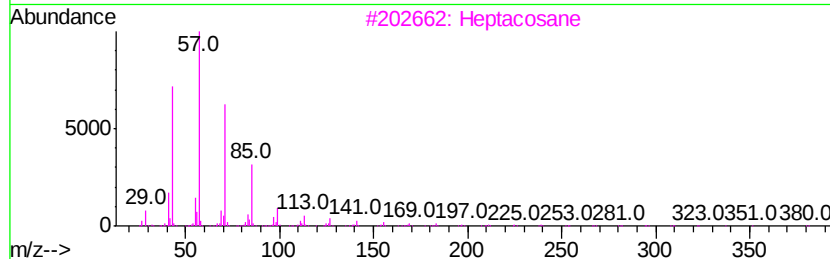
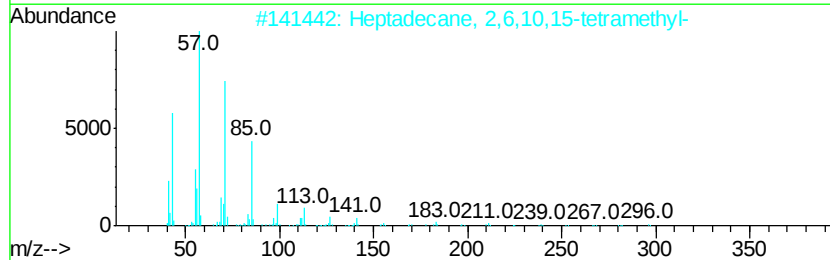
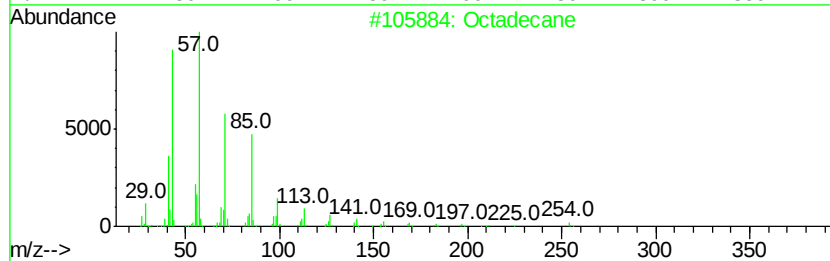
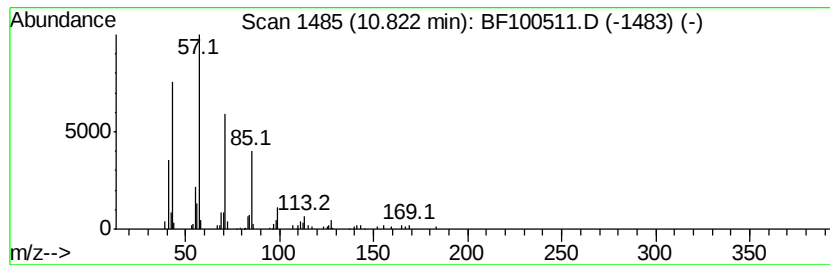
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ClientSampleId :  
JC-02-110917-E

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.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 Octadecane Concentration Rank 4

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.    |             |      |
|---------|---------|-------------------------------------|------------------|---------|-------------|------|
| 10.82   | 8.02 ng | 169166                              | Phenanthrene-d10 | 11.42   |             |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm | CAS#        | Qual |
| 1       |         | Octadecane                          | 254              | C18H38  | 000593-45-3 | 91   |
| 2       |         | Heptadecane, 2,6,10,15-tetramethyl- | 296              | C21H44  | 054833-48-6 | 91   |
| 3       |         | Heptacosane                         | 380              | C27H56  | 000593-49-7 | 91   |
| 4       |         | Hexadecane                          | 226              | C16H34  | 000544-76-3 | 90   |
| 5       |         | Tetracosane                         | 338              | C24H50  | 000646-31-1 | 90   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\  
Data File : BF100511.D  
Acq On : 13 Nov 2017 19:34  
Operator : SJ/JU  
Sample : I6301-09 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

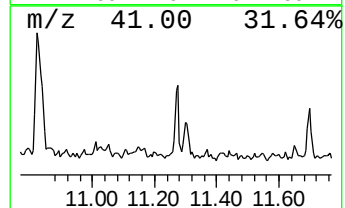
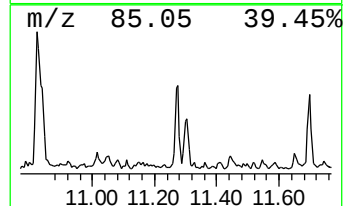
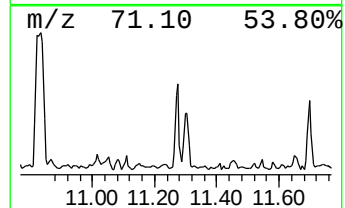
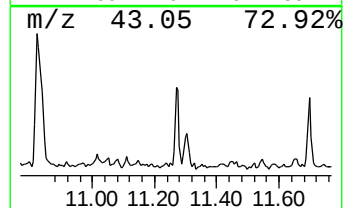
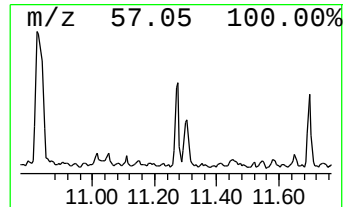
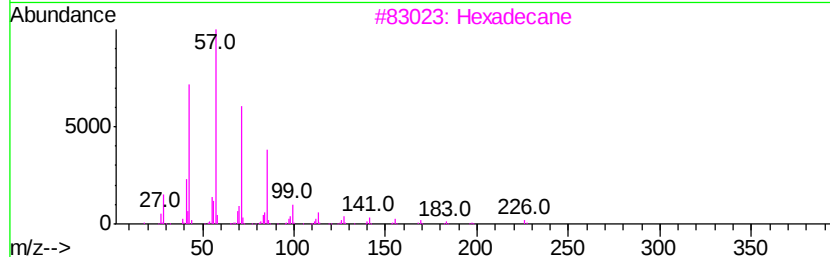
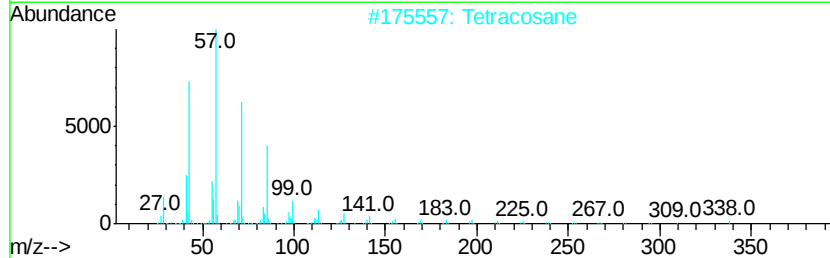
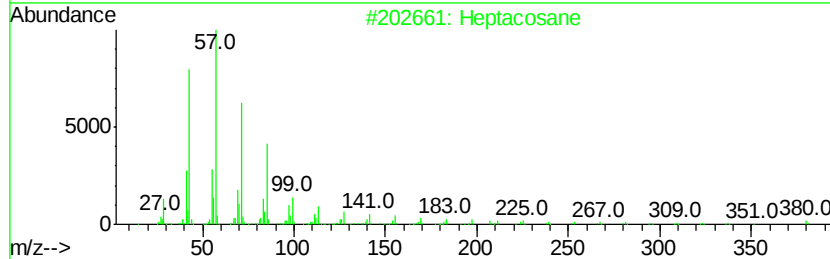
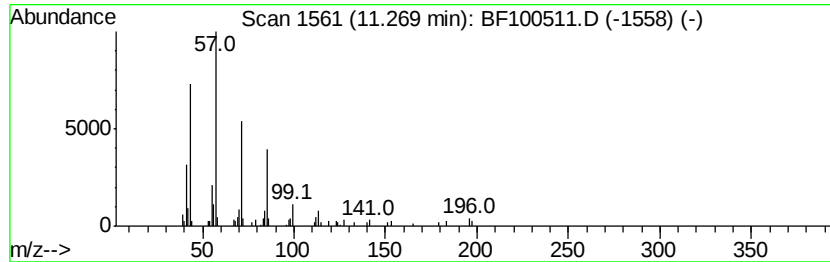
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ClientSampleId :  
JC-02-110917-E

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.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 Heptacosane Concentration Rank 19

| R.T.      | EstConc           | Area  | Relative to ISTD |             | R.T.  |
|-----------|-------------------|-------|------------------|-------------|-------|
| 11.27     | 2.92 ng           | 61580 | Phenanthrene-d10 |             | 11.42 |
| Hit# of 5 | Tentative ID      | MW    | MolForm          | CAS#        | Qual  |
| 1         | Heptacosane       | 380   | C27H56           | 000593-49-7 | 91    |
| 2         | Tetracosane       | 338   | C24H50           | 000646-31-1 | 91    |
| 3         | Hexadecane        | 226   | C16H34           | 000544-76-3 | 90    |
| 4         | Tetratetracontane | 619   | C44H90           | 007098-22-8 | 90    |
| 5         | Octadecane        | 254   | C18H38           | 000593-45-3 | 90    |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111317\  
Data File : BF100511.D  
Acq On : 13 Nov 2017 19:34  
Operator : SJ/JU  
Sample : I6301-09 5X  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

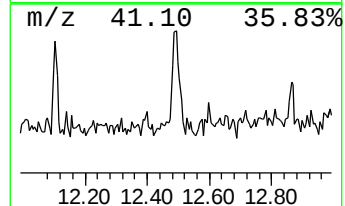
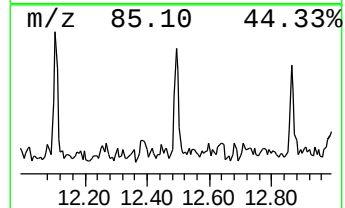
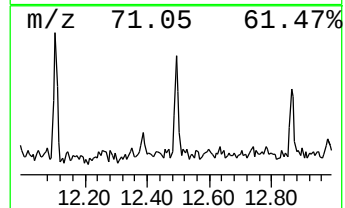
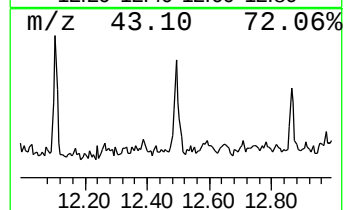
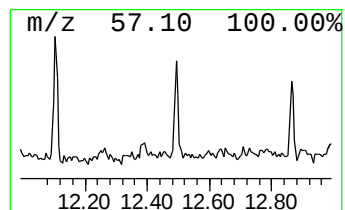
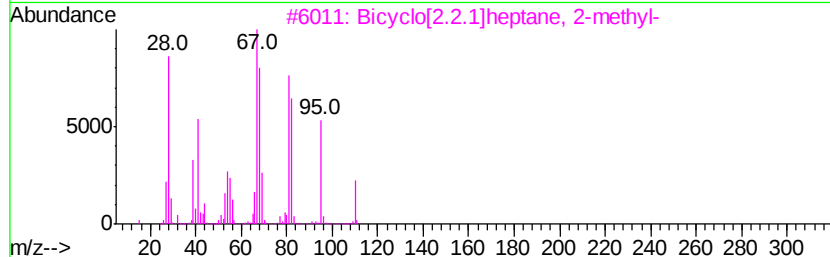
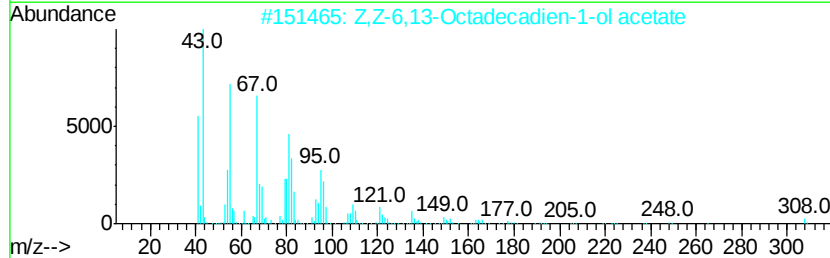
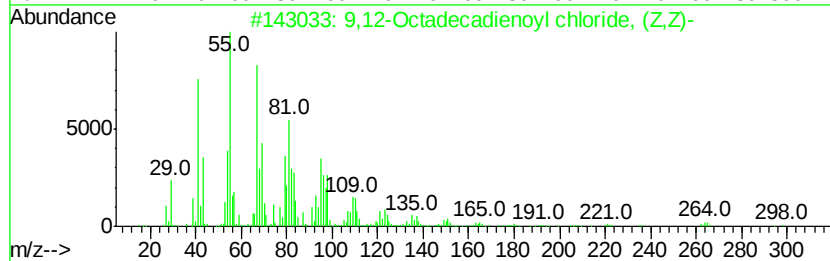
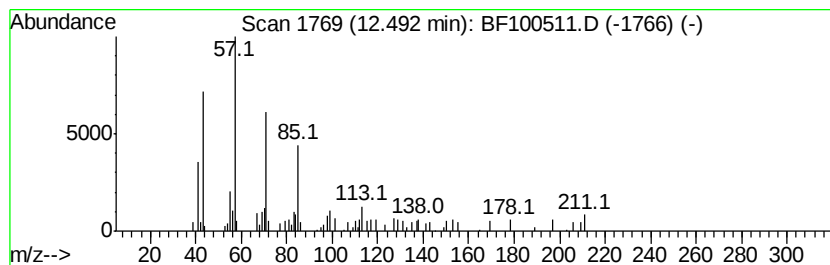
Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-110917-E

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.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 unknown12.49 Concentration Rank 9

| R.T.      | EstConc                              | Area  | Relative to ISTD | R.T.         |      |
|-----------|--------------------------------------|-------|------------------|--------------|------|
| 12.49     | 4.28 ng                              | 90231 | Phenanthrene-d10 | 11.42        |      |
| Hit# of 5 | Tentative ID                         | MW    | MolForm          | CAS#         | Qual |
| 1         | 9,12-Octadecadienoyl chloride, (...) | 298   | C18H31ClO        | 007459-33-8  | 49   |
| 2         | Z,Z-6,13-Octadecadien-1-ol acetate   | 308   | C20H36O2         | 1000131-07-0 | 43   |
| 3         | Bicyclo[2.2.1]heptane, 2-methyl-     | 110   | C8H14            | 015185-11-2  | 38   |
| 4         | 1,5-Cyclodecadiene, (E,Z)-           | 136   | C10H16           | 001124-78-3  | 38   |
| 5         | 1-Cyclohexyl-1-pentyne               | 150   | C11H18           | 067886-53-7  | 38   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF111317\  
 Data File : BF100511.D  
 Acq On : 13 Nov 2017 19:34  
 Operator : SJ/JU  
 Sample : I6301-09 5X  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-110917-E

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF110817.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... | 5.10  | 3.0     | ng    | 67805    | 1                     | 6.89  | 447845 | 20.0 |
| unknown6.66          | 6.66  | 17.8    | ng    | 398211   | 1                     | 6.89  | 447845 | 20.0 |
| unknown7.53          | 7.53  | 2.7     | ng    | 60754    | 1                     | 6.89  | 447845 | 20.0 |
| Undecane, 3,6-dim... | 8.23  | 3.6     | ng    | 102040   | 2                     | 8.17  | 572789 | 20.0 |
| unknown8.46          | 8.46  | 3.6     | ng    | 103295   | 2                     | 8.17  | 572789 | 20.0 |
| Decane, 2,6,7-tri... | 8.59  | 3.8     | ng    | 108695   | 2                     | 8.17  | 572789 | 20.0 |
| Ethanol, 1-methox... | 8.72  | 3.0     | ng    | 86000    | 2                     | 8.17  | 572789 | 20.0 |
| Tridecane            | 8.76  | 6.5     | ng    | 187008   | 2                     | 8.17  | 572789 | 20.0 |
| Heptylcyclohexane    | 9.08  | 3.2     | ng    | 78815    | 3                     | 9.93  | 497084 | 20.0 |
| Undecane, 2-methyl-  | 9.12  | 4.1     | ng    | 102151   | 3                     | 9.93  | 497084 | 20.0 |
| Dodecane, 2,7,10-... | 9.19  | 5.7     | ng    | 142406   | 3                     | 9.93  | 497084 | 20.0 |
| Hexadecane           | 9.32  | 11.4    | ng    | 282578   | 3                     | 9.93  | 497084 | 20.0 |
| Dodecane             | 10.35 | 5.7     | ng    | 140843   | 3                     | 9.93  | 497084 | 20.0 |
| Pentadecane, 2,6,... | 10.57 | 3.3     | ng    | 82862    | 3                     | 9.93  | 497084 | 20.0 |
| Benzophenone         | 10.63 | 4.0     | ng    | 98283    | 3                     | 9.93  | 497084 | 20.0 |
| Octadecane           | 10.82 | 8.0     | ng    | 169166   | 4                     | 11.42 | 422041 | 20.0 |
| Heptacosane          | 11.27 | 2.9     | ng    | 61580    | 4                     | 11.42 | 422041 | 20.0 |
| unknown12.49         | 12.49 | 4.3     | ng    | 90231    | 4                     | 11.42 | 422041 | 20.0 |