

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062818\  
 Data File : BF106933.D  
 Acq On : 28 Jun 2018 20:56  
 Operator : JU/SJ  
 Sample : J3242-03 5X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-062618-B

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

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

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

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.590       | 550           | 553         | 567          | rBB      | 216073         | 219308        | 7.24%           | 1.070%        |
| 2         | 6.590       | 720           | 723         | 731          | rBV      | 224190         | 220413        | 7.28%           | 1.075%        |
| 3         | 6.725       | 743           | 746         | 751          | rBV      | 285053         | 239537        | 7.91%           | 1.169%        |
| 4         | 6.954       | 781           | 785         | 788          | rVB      | 448971         | 400870        | 13.24%          | 1.956%        |
| 5         | 7.107       | 808           | 811         | 816          | rVB      | 227564         | 185885        | 6.14%           | 0.907%        |
| 6         | 7.472       | 867           | 873         | 877          | rBV6     | 23100          | 40206         | 1.33%           | 0.196%        |
| 7         | 7.513       | 877           | 880         | 887          | rVB      | 158184         | 165491        | 5.46%           | 0.808%        |
| 8         | 7.754       | 918           | 921         | 926          | rVB2     | 49066          | 53662         | 1.77%           | 0.262%        |
| 9         | 7.813       | 926           | 931         | 934          | rBV5     | 22305          | 37255         | 1.23%           | 0.182%        |
| 10        | 7.866       | 937           | 940         | 943          | rBV4     | 49662          | 47226         | 1.56%           | 0.230%        |
| 11        | 8.095       | 976           | 979         | 982          | rBV2     | 43063          | 37318         | 1.23%           | 0.182%        |
| 12        | 8.131       | 982           | 985         | 988          | rBV4     | 31576          | 43199         | 1.43%           | 0.211%        |
| 13        | 8.201       | 994           | 997         | 1000         | rBV3     | 35119          | 45967         | 1.52%           | 0.224%        |
| 14        | 8.237       | 1000          | 1003        | 1007         | rVV      | 562607         | 489970        | 16.18%          | 2.391%        |
| 15        | 8.278       | 1007          | 1010        | 1013         | rVB      | 172310         | 141614        | 4.68%           | 0.691%        |
| 16        | 8.313       | 1013          | 1016        | 1021         | rBV5     | 43525          | 62349         | 2.06%           | 0.304%        |
| 17        | 8.401       | 1028          | 1031        | 1033         | rBV2     | 31679          | 33675         | 1.11%           | 0.164%        |
| 18        | 8.431       | 1033          | 1036        | 1038         | rVB      | 51554          | 45382         | 1.50%           | 0.221%        |
| 19        | 8.513       | 1046          | 1050        | 1055         | rVB5     | 81698          | 117884        | 3.89%           | 0.575%        |
| 20        | 8.637       | 1068          | 1071        | 1073         | rBV      | 246520         | 168810        | 5.57%           | 0.824%        |
| 21        | 8.666       | 1073          | 1076        | 1079         | rVV3     | 47055          | 44109         | 1.46%           | 0.215%        |
| 22        | 8.731       | 1085          | 1087        | 1090         | rBV3     | 62818          | 60509         | 2.00%           | 0.295%        |
| 23        | 8.766       | 1090          | 1093        | 1095         | rVV3     | 66837          | 67028         | 2.21%           | 0.327%        |
| 24        | 8.807       | 1095          | 1100        | 1104         | rVV      | 78994          | 109976        | 3.63%           | 0.537%        |
| 25        | 8.854       | 1104          | 1108        | 1111         | rVV5     | 56885          | 113073        | 3.73%           | 0.552%        |
| 26        | 8.901       | 1113          | 1116        | 1124         | rVB4     | 91277          | 122832        | 4.06%           | 0.599%        |
| 27        | 8.972       | 1125          | 1128        | 1130         | rVB2     | 50036          | 39083         | 1.29%           | 0.191%        |
| 28        | 9.001       | 1130          | 1133        | 1135         | rBV2     | 49172          | 54955         | 1.81%           | 0.268%        |
| 29        | 9.054       | 1139          | 1142        | 1143         | rBV2     | 54459          | 49412         | 1.63%           | 0.241%        |
| 30        | 9.089       | 1146          | 1148        | 1149         | rBV      | 56432          | 42331         | 1.40%           | 0.207%        |
| 31        | 9.131       | 1153          | 1155        | 1159         | rVB3     | 66772          | 71934         | 2.38%           | 0.351%        |
| 32        | 9.172       | 1159          | 1162        | 1165         | rBV4     | 52862          | 71368         | 2.36%           | 0.348%        |
| 33        | 9.219       | 1167          | 1170        | 1171         | rBV3     | 29021          | 30387         | 1.00%           | 0.148%        |
| 34        | 9.236       | 1171          | 1173        | 1176         | rVB      | 334500         | 225542        | 7.45%           | 1.101%        |

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Instrument :  
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 ClientSampleId :  
 JC-02-062618-B

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

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

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

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 9.307  | 1181 | 1185 | 1189 | rVV  | 298400 | 289697 | 9.57%  | 1.414% |
| 36 | 9.378  | 1193 | 1197 | 1201 | rVV  | 292457 | 334505 | 11.04% | 1.632% |
| 37 | 9.413  | 1201 | 1203 | 1205 | rVV3 | 82855  | 83869  | 2.77%  | 0.409% |
| 38 | 9.454  | 1208 | 1210 | 1212 | rVV3 | 84662  | 80581  | 2.66%  | 0.393% |
| 39 | 9.489  | 1214 | 1216 | 1219 | rVB4 | 58017  | 55847  | 1.84%  | 0.273% |
| 40 | 9.560  | 1226 | 1228 | 1230 | rBV3 | 54345  | 51037  | 1.69%  | 0.249% |
| 41 | 9.613  | 1235 | 1237 | 1239 | rBV3 | 42525  | 44000  | 1.45%  | 0.215% |
| 42 | 9.695  | 1247 | 1251 | 1254 | rBV2 | 550531 | 541662 | 17.88% | 2.643% |
| 43 | 9.801  | 1267 | 1269 | 1271 | rVB2 | 87756  | 69054  | 2.28%  | 0.337% |
| 44 | 9.848  | 1274 | 1277 | 1279 | rVV4 | 135070 | 126897 | 4.19%  | 0.619% |
| 45 | 9.872  | 1279 | 1281 | 1283 | rVV3 | 86728  | 94327  | 3.11%  | 0.460% |
| 46 | 9.901  | 1283 | 1286 | 1290 | rVV3 | 204019 | 225238 | 7.44%  | 1.099% |
| 47 | 9.942  | 1290 | 1293 | 1295 | rVV3 | 69000  | 80553  | 2.66%  | 0.393% |
| 48 | 9.972  | 1295 | 1298 | 1299 | rVV2 | 89028  | 89697  | 2.96%  | 0.438% |
| 49 | 9.995  | 1299 | 1302 | 1307 | rVB  | 485620 | 429110 | 14.17% | 2.094% |
| 50 | 10.160 | 1328 | 1330 | 1333 | rVB2 | 86634  | 72515  | 2.39%  | 0.354% |
| 51 | 10.225 | 1339 | 1341 | 1342 | rBV  | 62519  | 50479  | 1.67%  | 0.246% |
| 52 | 10.307 | 1352 | 1355 | 1356 | rBV2 | 77308  | 78298  | 2.59%  | 0.382% |
| 53 | 10.401 | 1367 | 1371 | 1373 | rBV2 | 140382 | 140277 | 4.63%  | 0.684% |
| 54 | 10.431 | 1373 | 1376 | 1379 | rBV  | 66604  | 73996  | 2.44%  | 0.361% |
| 55 | 10.625 | 1404 | 1409 | 1411 | rBV  | 396389 | 445048 | 14.69% | 2.172% |
| 56 | 10.648 | 1411 | 1413 | 1415 | rVB3 | 38829  | 30816  | 1.02%  | 0.150% |
| 57 | 10.742 | 1427 | 1429 | 1433 | rVB2 | 70696  | 73054  | 2.41%  | 0.356% |
| 58 | 10.783 | 1433 | 1436 | 1439 | rBV4 | 139394 | 163568 | 5.40%  | 0.798% |
| 59 | 10.889 | 1449 | 1454 | 1457 | rBV  | 740088 | 734539 | 24.25% | 3.584% |
| 60 | 11.019 | 1474 | 1476 | 1480 | rBV4 | 36901  | 31934  | 1.05%  | 0.156% |
| 61 | 11.125 | 1492 | 1494 | 1497 | rVB2 | 57463  | 54271  | 1.79%  | 0.265% |
| 62 | 11.201 | 1505 | 1507 | 1509 | rBV3 | 42107  | 41595  | 1.37%  | 0.203% |
| 63 | 11.225 | 1509 | 1511 | 1513 | rVV2 | 55542  | 54004  | 1.78%  | 0.264% |
| 64 | 11.325 | 1526 | 1528 | 1530 | rBV2 | 67051  | 49934  | 1.65%  | 0.244% |
| 65 | 11.354 | 1530 | 1533 | 1536 | rBV  | 349967 | 307093 | 10.14% | 1.498% |
| 66 | 11.483 | 1552 | 1555 | 1558 | rBV  | 396160 | 379550 | 12.53% | 1.852% |
| 67 | 11.513 | 1558 | 1560 | 1562 | rVB  | 43431  | 34207  | 1.13%  | 0.167% |
| 68 | 11.595 | 1572 | 1574 | 1578 | rVB5 | 54393  | 54314  | 1.79%  | 0.265% |
| 69 | 11.636 | 1578 | 1581 | 1585 | rBV4 | 33599  | 49161  | 1.62%  | 0.240% |
| 70 | 11.672 | 1585 | 1587 | 1590 | rVV2 | 47402  | 57577  | 1.90%  | 0.281% |
| 71 | 11.707 | 1590 | 1593 | 1597 | rVV2 | 106313 | 133972 | 4.42%  | 0.654% |

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 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-062618-B

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

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

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

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 72 | 11.754 | 1598 | 1601 | 1604 | rVB4 | 69354   | 69558   | 2.30%   | 0.339%  |
| 73 | 11.860 | 1615 | 1619 | 1622 | rVB  | 1192599 | 1099436 | 36.30%  | 5.365%  |
| 74 | 12.160 | 1667 | 1670 | 1674 | rBV  | 42872   | 43879   | 1.45%   | 0.214%  |
| 75 | 12.554 | 1732 | 1737 | 1738 | rBV  | 2621850 | 3028623 | 100.00% | 14.778% |
| 76 | 12.572 | 1738 | 1740 | 1746 | rVV2 | 2401811 | 2376790 | 78.48%  | 11.597% |
| 77 | 12.648 | 1750 | 1753 | 1758 | rVB  | 680833  | 566931  | 18.72%  | 2.766%  |
| 78 | 12.701 | 1760 | 1762 | 1766 | rBV  | 58616   | 55447   | 1.83%   | 0.271%  |
| 79 | 12.742 | 1766 | 1769 | 1771 | rBV4 | 50101   | 44057   | 1.45%   | 0.215%  |
| 80 | 12.883 | 1790 | 1793 | 1797 | rVB3 | 83553   | 79505   | 2.63%   | 0.388%  |
| 81 | 12.936 | 1797 | 1802 | 1807 | rVB3 | 93553   | 145474  | 4.80%   | 0.710%  |
| 82 | 12.983 | 1807 | 1810 | 1813 | rBV2 | 32703   | 41427   | 1.37%   | 0.202%  |
| 83 | 13.066 | 1821 | 1824 | 1827 | rBV  | 316095  | 242010  | 7.99%   | 1.181%  |
| 84 | 13.213 | 1846 | 1849 | 1851 | rBV2 | 105930  | 91451   | 3.02%   | 0.446%  |
| 85 | 13.372 | 1873 | 1876 | 1879 | rBV2 | 97469   | 84972   | 2.81%   | 0.415%  |
| 86 | 13.542 | 1901 | 1905 | 1908 | rVB  | 1075609 | 916262  | 30.25%  | 4.471%  |
| 87 | 13.807 | 1947 | 1950 | 1953 | rVB2 | 47284   | 54145   | 1.79%   | 0.264%  |
| 88 | 13.948 | 1971 | 1974 | 1979 | rVB3 | 35042   | 34207   | 1.13%   | 0.167%  |
| 89 | 14.042 | 1988 | 1990 | 1996 | rBV  | 80597   | 72008   | 2.38%   | 0.351%  |
| 90 | 14.136 | 2002 | 2006 | 2009 | rBV  | 658786  | 631063  | 20.84%  | 3.079%  |
| 91 | 14.160 | 2009 | 2010 | 2014 | rVB  | 40597   | 33699   | 1.11%   | 0.164%  |
| 92 | 14.577 | 2077 | 2081 | 2084 | rBV5 | 56808   | 75070   | 2.48%   | 0.366%  |
| 93 | 14.677 | 2096 | 2098 | 2103 | rVB2 | 36117   | 31820   | 1.05%   | 0.155%  |
| 94 | 15.030 | 2154 | 2158 | 2169 | rVB  | 198896  | 323651  | 10.69%  | 1.579%  |
| 95 | 15.218 | 2187 | 2190 | 2193 | rBV  | 32750   | 44158   | 1.46%   | 0.215%  |
| 96 | 15.607 | 2253 | 2256 | 2261 | rVB  | 43801   | 53511   | 1.77%   | 0.261%  |
| 97 | 15.677 | 2261 | 2268 | 2272 | rBV  | 444013  | 650215  | 21.47%  | 3.173%  |

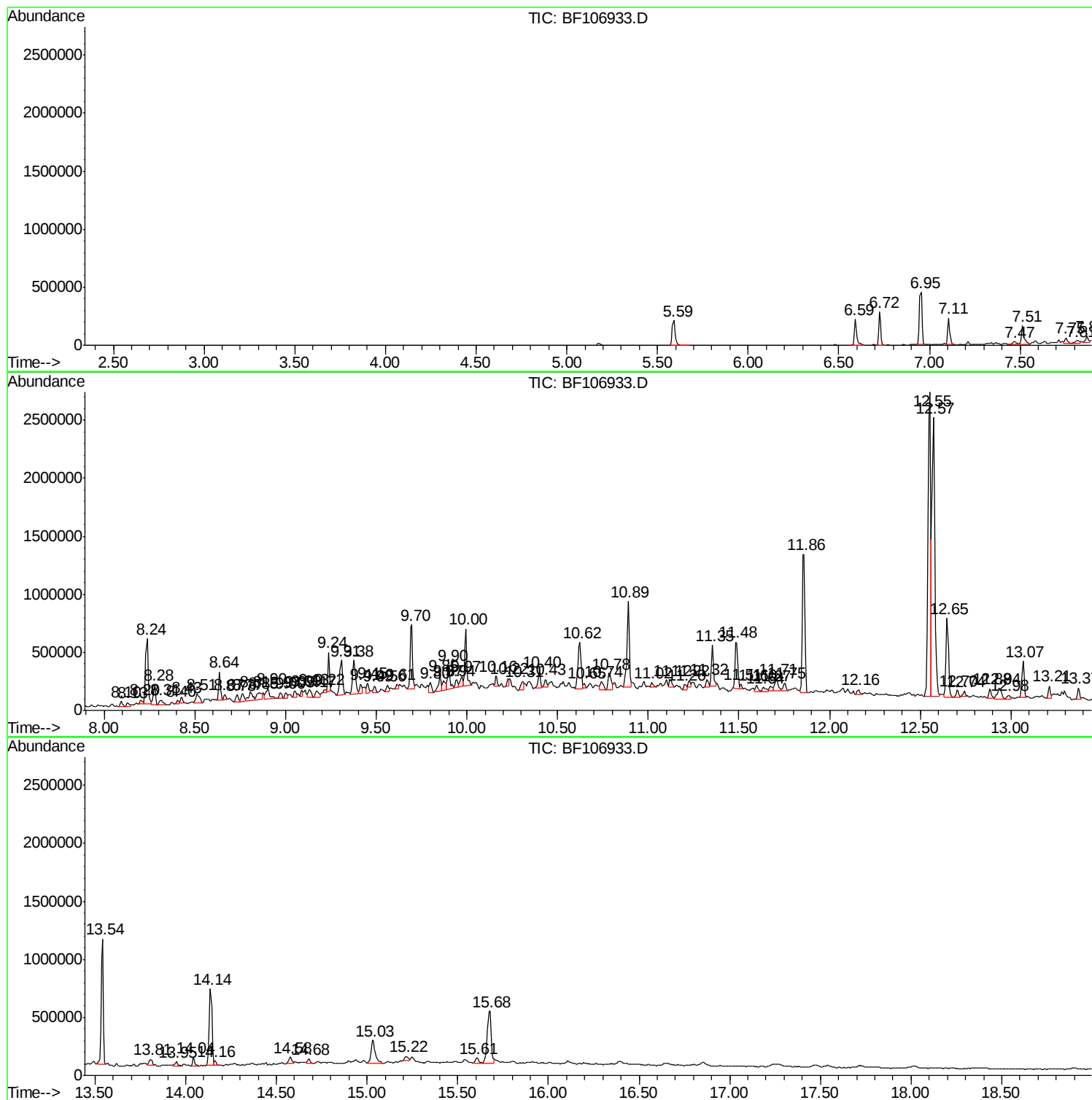
Sum of corrected areas: 20494205

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
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Sample : J3242-03 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-B

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

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

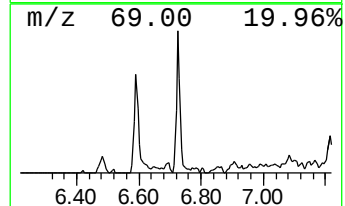
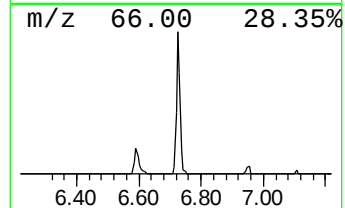
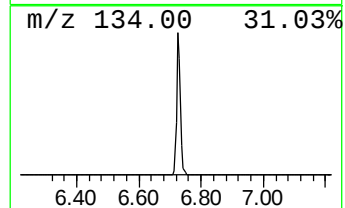
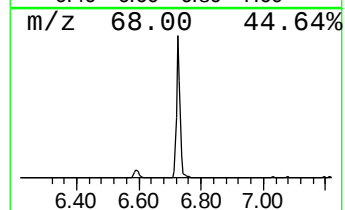
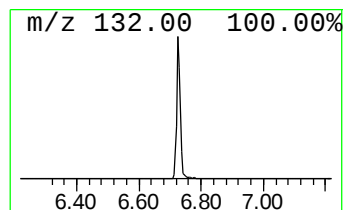
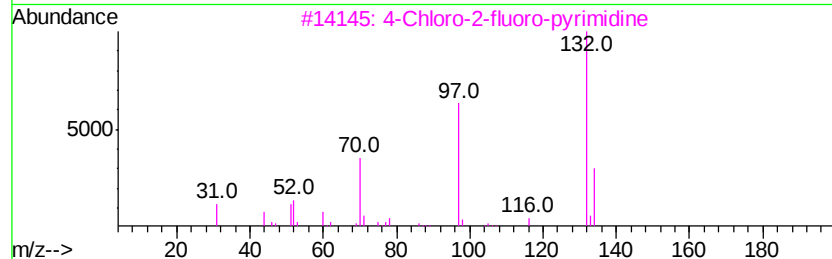
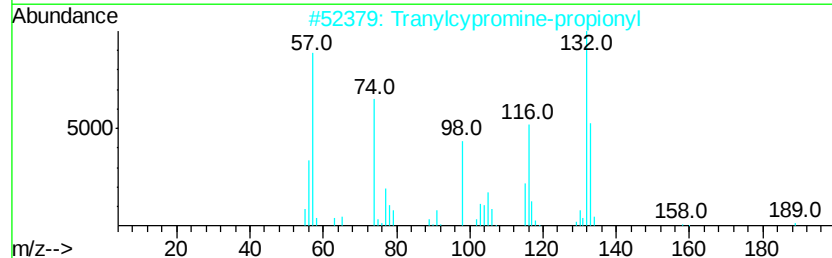
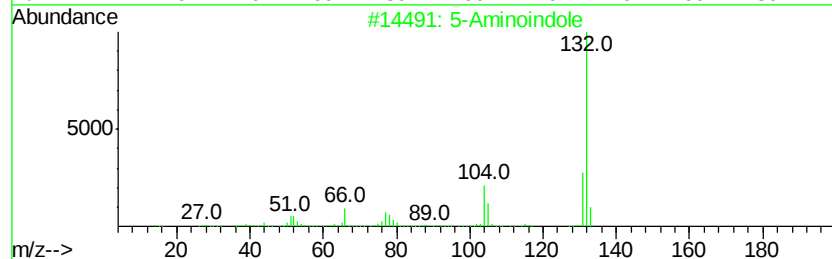
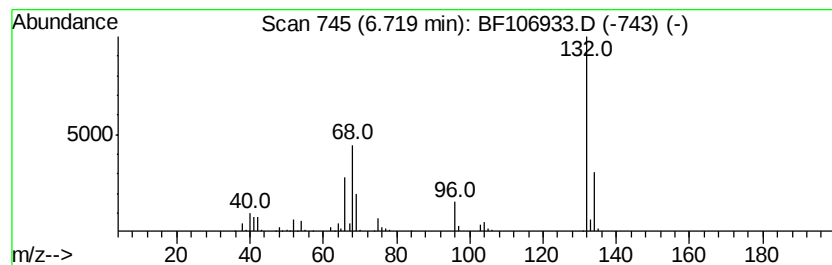
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown6.72 Concentration Rank 11

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.72 | 11.95 ng | 239537 | 1,4-Dichlorobenzene-d4 | 6.95 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 2    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 3    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 4    |    | 1-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-59-9  | 9    |
| 5    |    | (5-Methyl-2-pyridyl)acetonitrile | 132 | C8H8N2    | 1000241-93-9 | 9    |



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

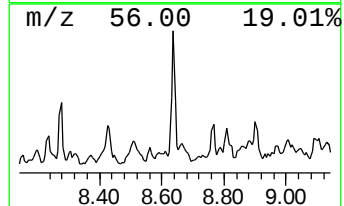
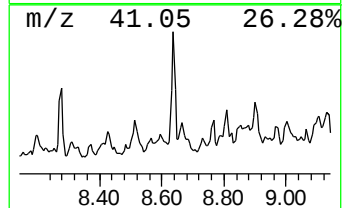
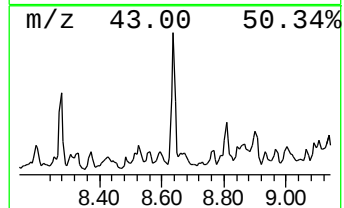
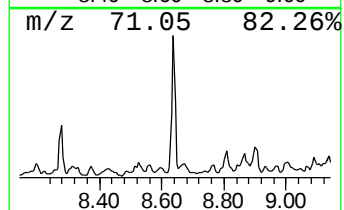
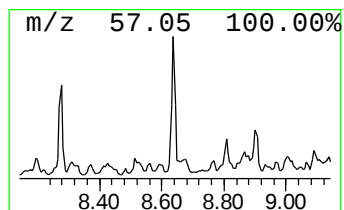
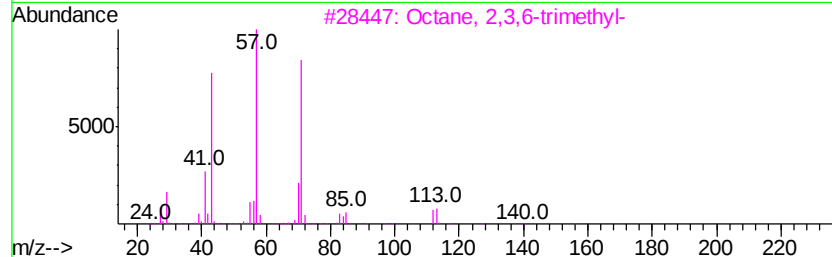
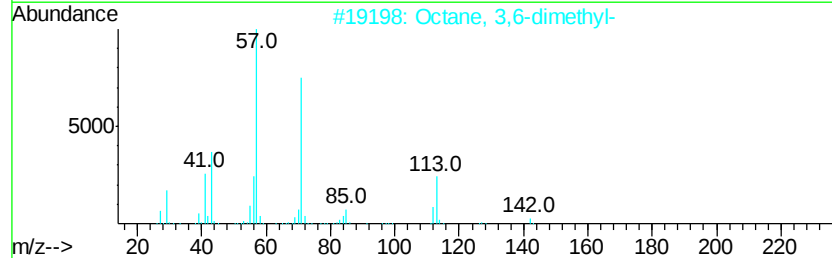
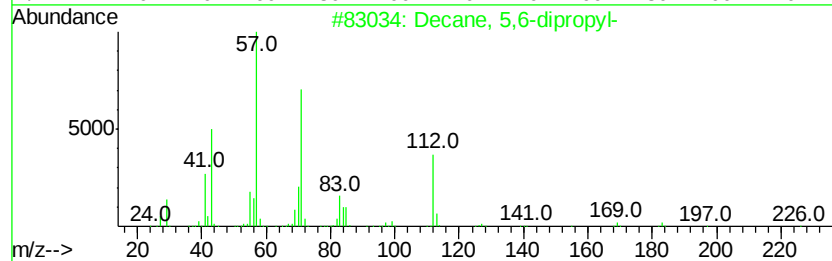
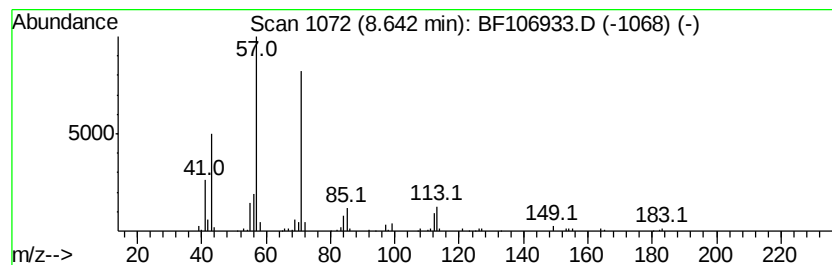
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Decane, 5,6-dipropyl- Concentration Rank 17

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.64 | 6.89 ng | 168810 | Naphthalene-d8   | 8.24 |

| Hit# of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|---------|---|--------------------------|-----|---------|-------------|------|
| 1       |   | Decane, 5,6-dipropyl-    | 226 | C16H34  | 119209-20-0 | 78   |
| 2       |   | Octane, 3,6-dimethyl-    | 142 | C10H22  | 015869-94-0 | 78   |
| 3       |   | Octane, 2,3,6-trimethyl- | 156 | C11H24  | 062016-33-5 | 78   |
| 4       |   | Octane, 1,1'-oxybis-     | 242 | C16H34O | 000629-82-3 | 72   |
| 5       |   | Nonane, 5-propyl-        | 170 | C12H26  | 000998-35-6 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
Data File : BF106933.D  
Acq On : 28 Jun 2018 20:56  
Operator : JU/SJ  
Sample : J3242-03 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-B

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

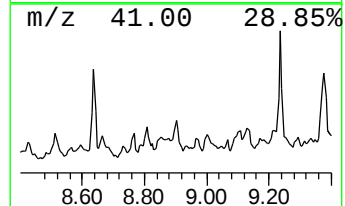
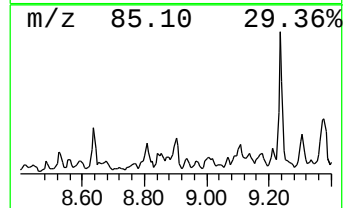
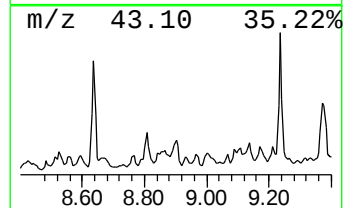
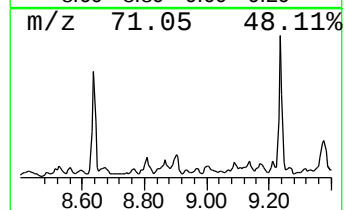
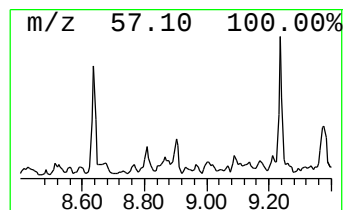
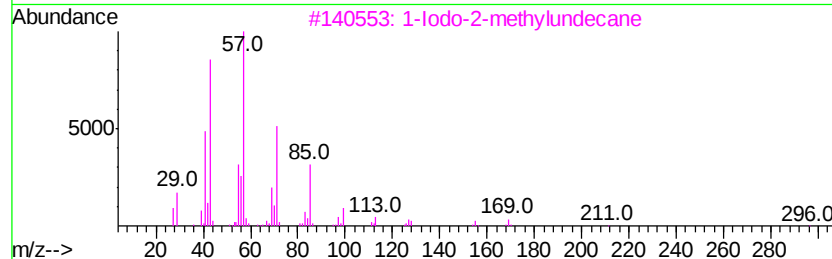
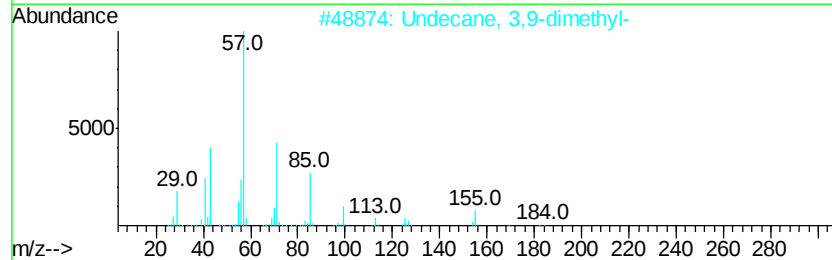
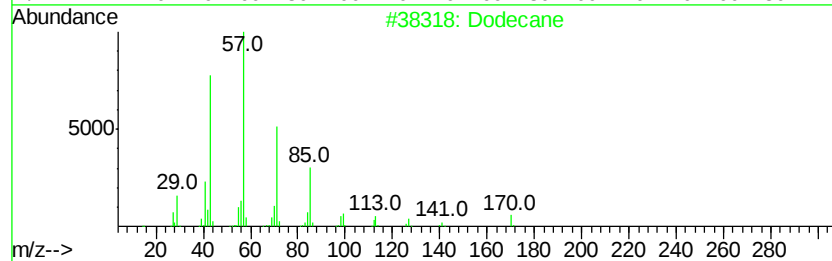
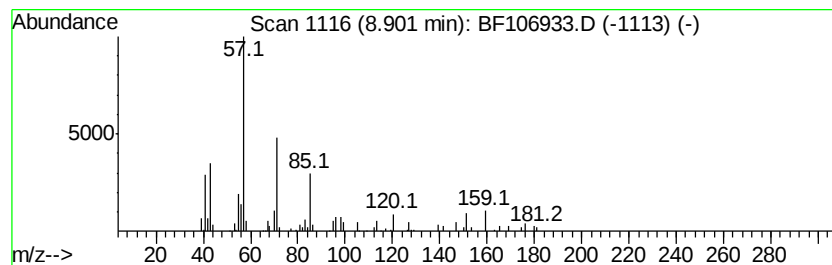
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Dodecane Concentration Rank 20

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.90 | 5.01 ng | 122832 | Naphthalene-d8   | 8.24 |

| Hit# of | 5                                 | Tentative ID | MW  | MolForm   | CAS#         | Qual |
|---------|-----------------------------------|--------------|-----|-----------|--------------|------|
| 1       | Dodecane                          |              | 170 | C12H26    | 000112-40-3  | 53   |
| 2       | Undecane, 3,9-dimethyl-           |              | 184 | C13H28    | 017301-31-4  | 53   |
| 3       | 1-Iodo-2-methylundecane           |              | 296 | C12H25I   | 073105-67-6  | 53   |
| 4       | Undecane                          |              | 156 | C11H24    | 001120-21-4  | 53   |
| 5       | Sulfurous acid, butyl nonyl ester |              | 264 | C13H28O3S | 1000309-17-6 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
Data File : BF106933.D  
Acq On : 28 Jun 2018 20:56  
Operator : JU/SJ  
Sample : J3242-03 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-B

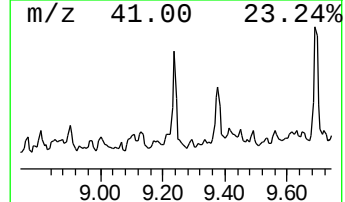
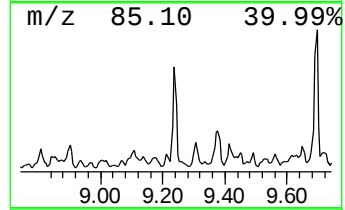
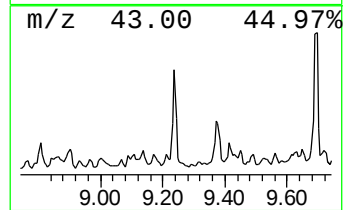
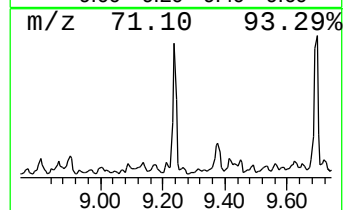
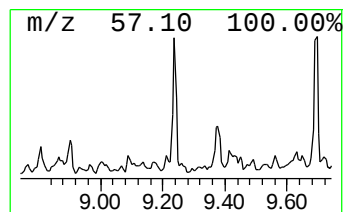
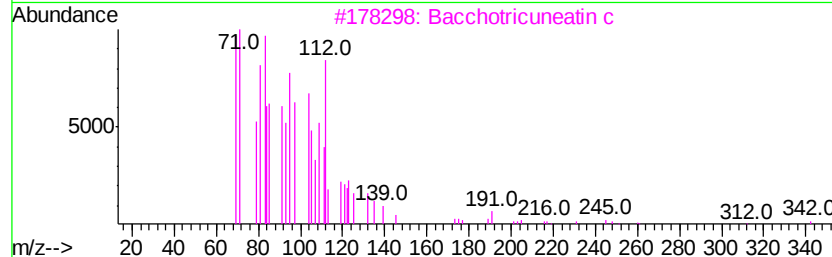
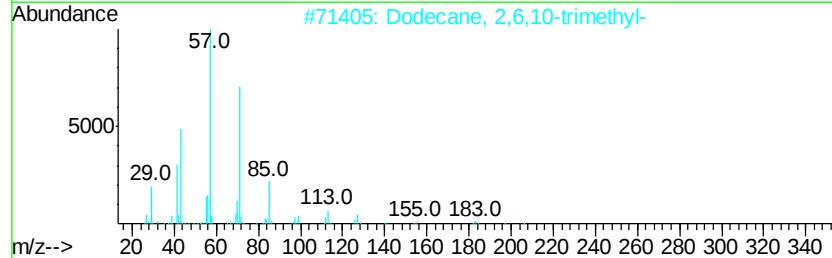
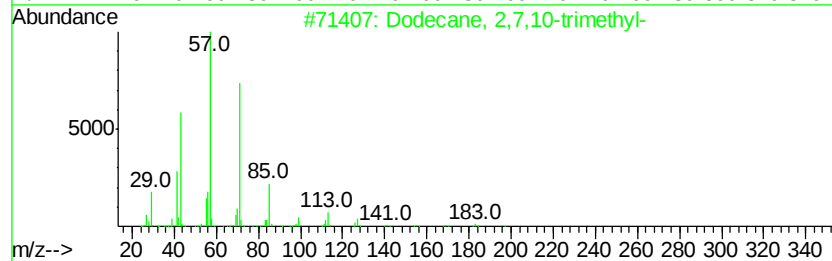
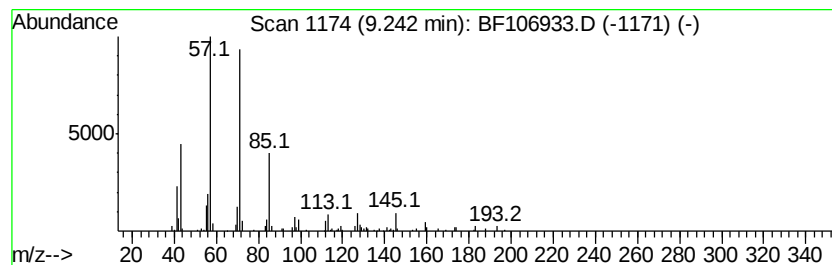
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 Dodecane, 2,7,10-trimethyl- Concentration Rank 12

| R.T. | EstConc  | Area   | Relative to ISTD | R.T.  |
|------|----------|--------|------------------|-------|
| 9.24 | 10.51 ng | 225542 | Acenaphthene-d10 | 10.00 |

| Hit# | of | Tentative ID                 | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------------|-----|----------|-------------|------|
| 1    | 5  | Dodecane, 2,7,10-trimethyl-  | 212 | C15H32   | 074645-98-0 | 91   |
| 2    |    | Dodecane, 2,6,10-trimethyl-  | 212 | C15H32   | 003891-98-3 | 90   |
| 3    |    | Bacchotricuneatin c          | 342 | C20H22O5 | 066563-30-2 | 80   |
| 4    |    | Decane, 2,3,5,8-tetramethyl- | 198 | C14H30   | 192823-15-7 | 72   |
| 5    |    | Hexadecane, 7,9-dimethyl-    | 254 | C18H38   | 021164-95-4 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
Data File : BF106933.D  
Acq On : 28 Jun 2018 20:56  
Operator : JU/SJ  
Sample : J3242-03 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

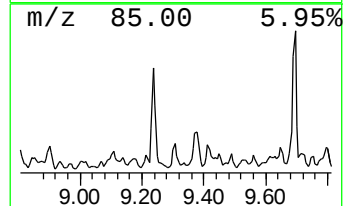
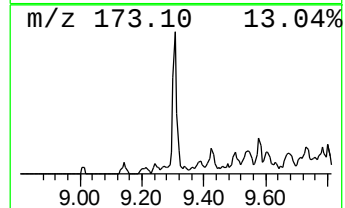
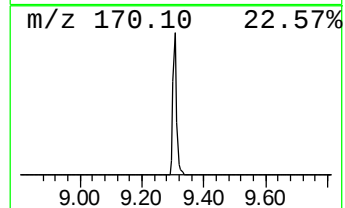
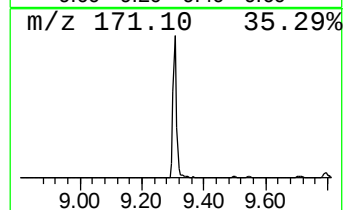
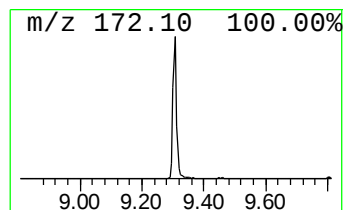
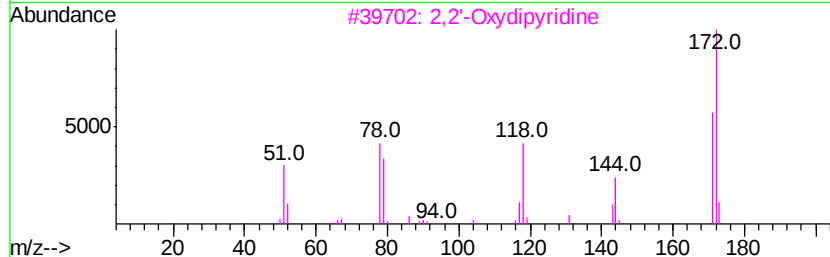
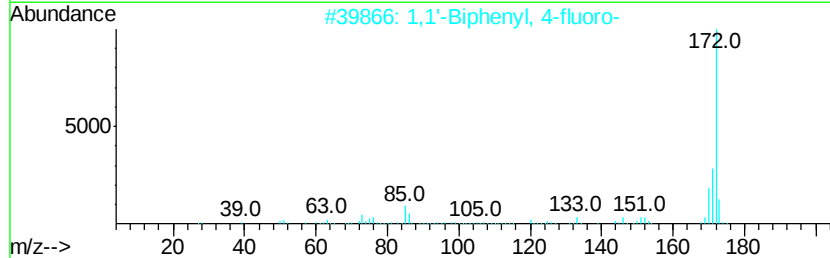
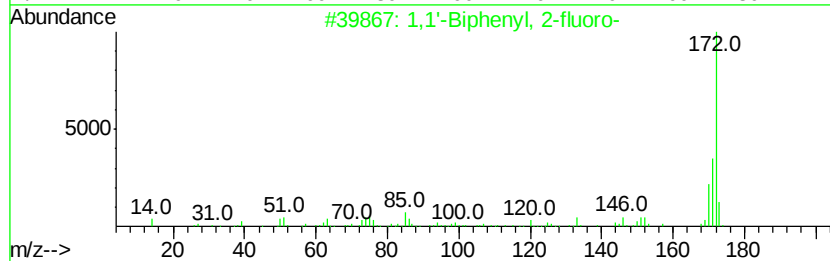
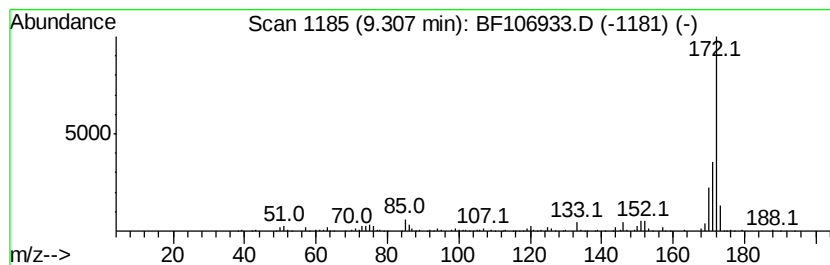
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ClientSampleId :  
JC-02-062618-B

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

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

\*\*\*\*\*  
Peak Number 6 1,1'-Biphenyl, 2-fluoro- Concentration Rank 10

| R.T.      | EstConc                       | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------|--------|------------------|-------------|------|
| 9.31      | 13.50 ng                      | 289697 | Acenaphthene-d10 | 10.00       |      |
| Hit# of 5 | Tentative ID                  | MW     | MolForm          | CAS#        | Qual |
| 1         | 1,1'-Biphenyl, 2-fluoro-      | 172    | C12H9F           | 000321-60-8 | 96   |
| 2         | 1,1'-Biphenyl, 4-fluoro-      | 172    | C12H9F           | 000324-74-3 | 87   |
| 3         | 2,2'-Oxydipyrindine           | 172    | C10H8N2O         | 053258-94-9 | 52   |
| 4         | 5-Hydroxy-2-phenylpyrimidine  | 172    | C10H8N2O         | 066739-85-3 | 43   |
| 5         | 2-(2-Hydroxyphenyl)pyrimidine | 172    | C10H8N2O         | 064435-20-7 | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
Data File : BF106933.D  
Acq On : 28 Jun 2018 20:56  
Operator : JU/SJ  
Sample : J3242-03 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-B

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

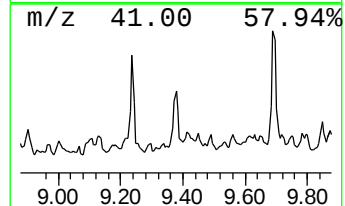
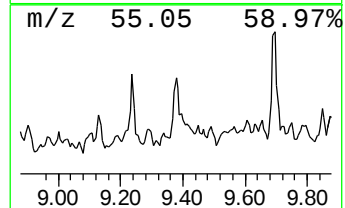
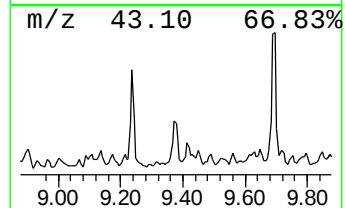
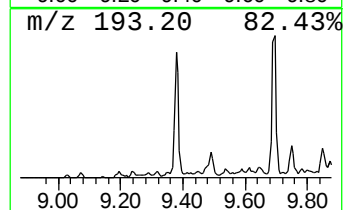
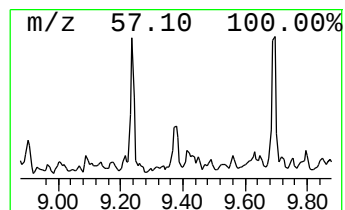
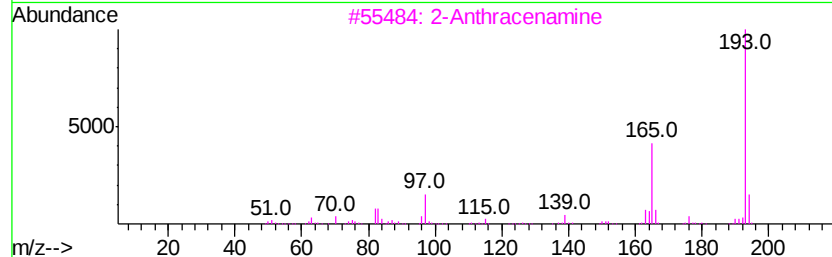
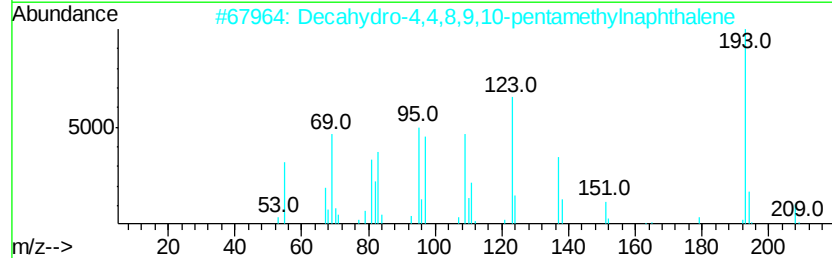
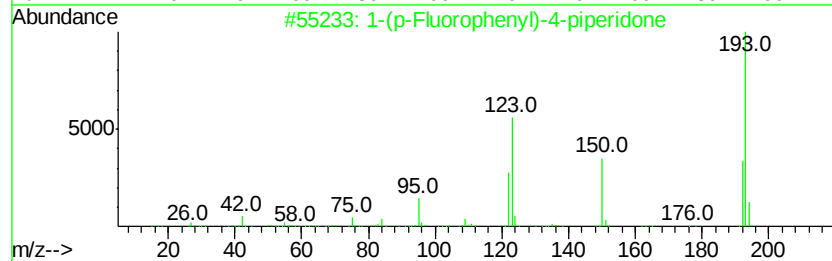
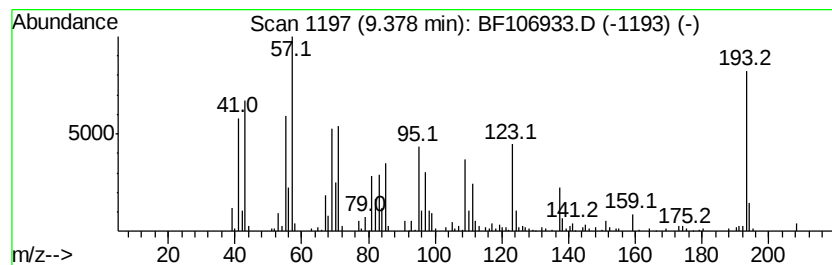
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 unknown9.38 Concentration Rank 9

| R.T. | EstConc  | Area   | Relative to ISTD | R.T.  |
|------|----------|--------|------------------|-------|
| 9.38 | 15.59 ng | 334505 | Acenaphthene-d10 | 10.00 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1-(p-Fluorophenyl)-4-piperidone     | 193 | C11H12FNO | 1000238-56-7 | 35   |
| 2    |    | Decahydro-4,4,8,9,10-pentamethyl... | 208 | C15H28    | 080655-44-3  | 30   |
| 3    |    | 2-Anthracenamine                    | 193 | C14H11N   | 000613-13-8  | 22   |
| 4    |    | 6-Methylphenanthridine              | 193 | C14H11N   | 003955-65-5  | 18   |
| 5    |    | Pyrazole, 5-methyl-3-(5-nitro-2-... | 193 | C8H7N3O3  | 016239-90-0  | 18   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
Data File : BF106933.D  
Acq On : 28 Jun 2018 20:56  
Operator : JU/SJ  
Sample : J3242-03 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-B

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

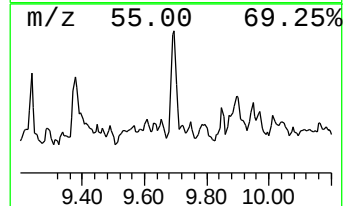
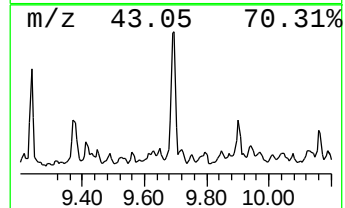
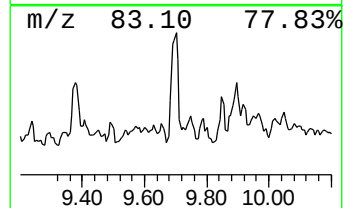
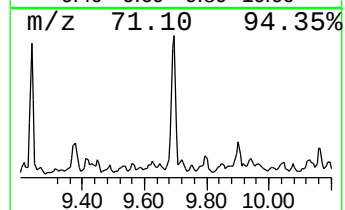
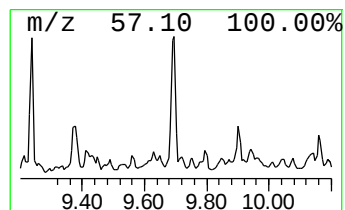
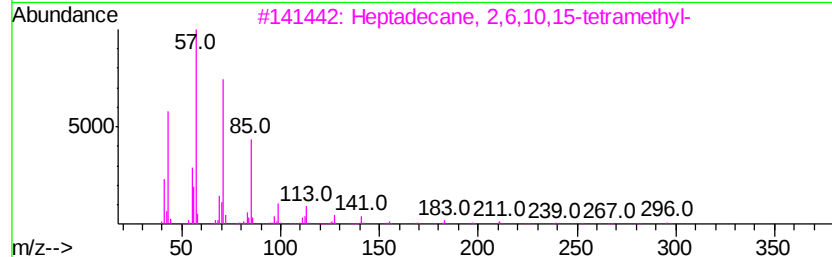
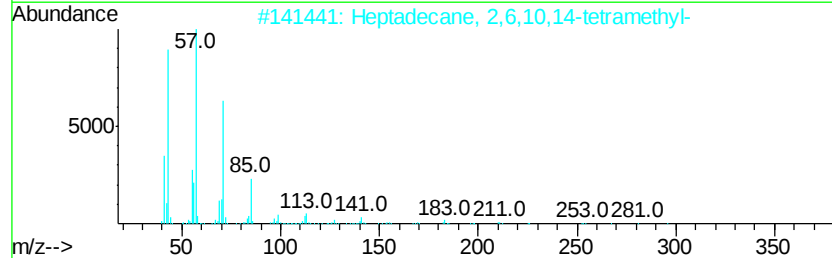
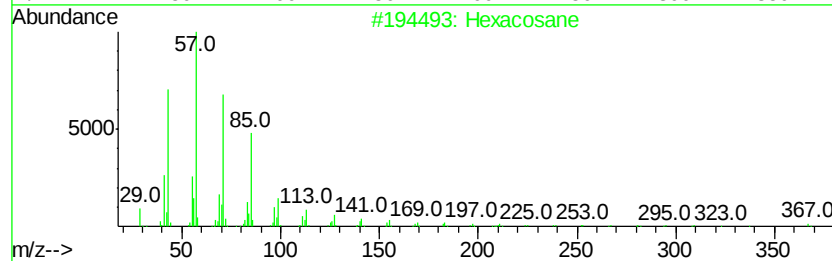
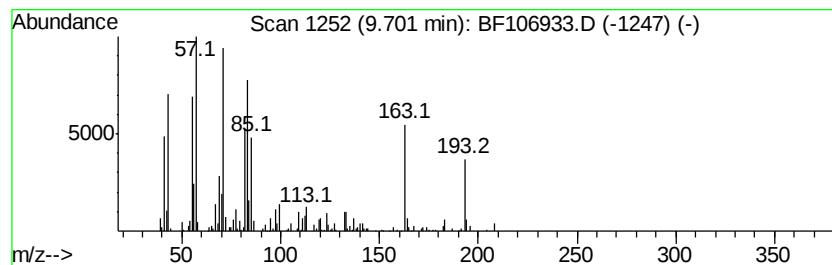
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 Hexacosane Concentration Rank 6

| R.T. | EstConc  | Area   | Relative to ISTD | R.T.  |
|------|----------|--------|------------------|-------|
| 9.70 | 25.25 ng | 541662 | Acenaphthene-d10 | 10.00 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------------------------------|--------------|-----|---------|-------------|------|
| 1       | Hexacosane                          |              | 366 | C26H54  | 000630-01-3 | 62   |
| 2       | Heptadecane, 2,6,10,14-tetramethyl- |              | 296 | C21H44  | 018344-37-1 | 59   |
| 3       | Heptadecane, 2,6,10,15-tetramethyl- |              | 296 | C21H44  | 054833-48-6 | 58   |
| 4       | Heptacosane                         |              | 380 | C27H56  | 000593-49-7 | 58   |
| 5       | Dodecane, 2,6,10-trimethyl-         |              | 212 | C15H32  | 003891-98-3 | 52   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
Data File : BF106933.D  
Acq On : 28 Jun 2018 20:56  
Operator : JU/SJ  
Sample : J3242-03 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-B

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

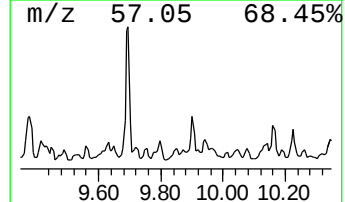
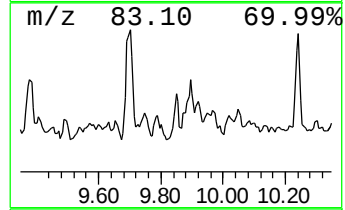
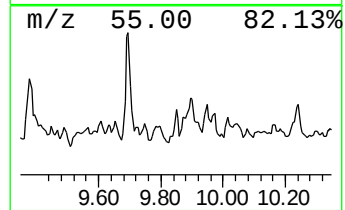
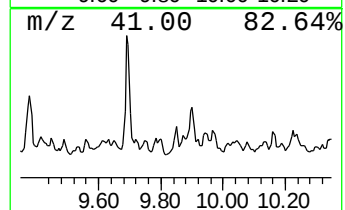
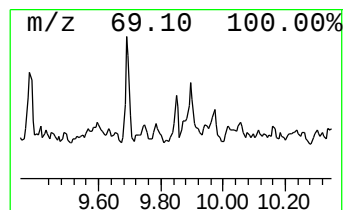
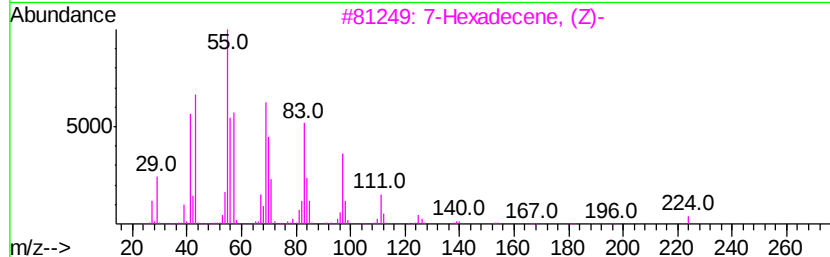
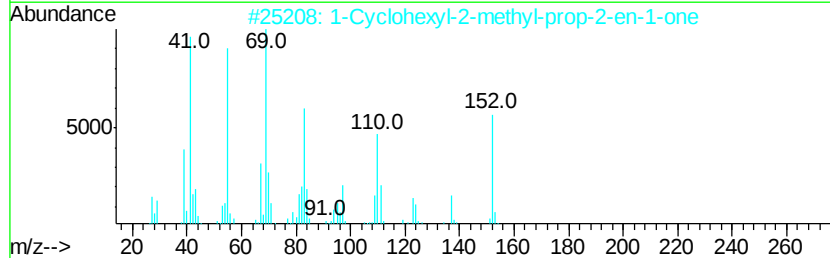
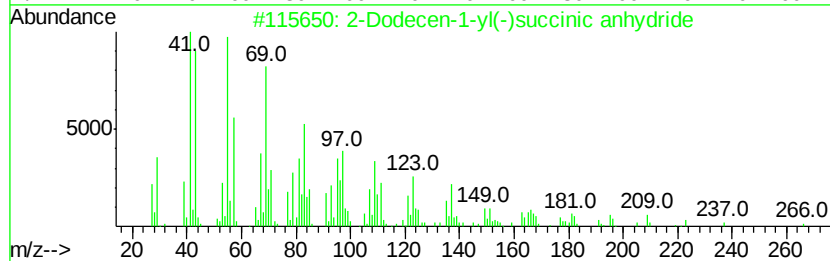
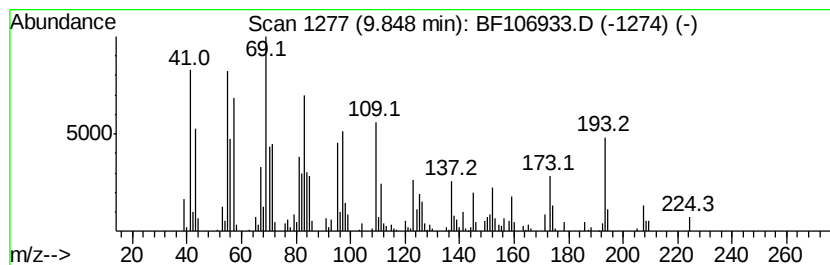
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 unknown9.85 Concentration Rank 19

| R.T. | EstConc | Area   | Relative to ISTD | R.T.  |
|------|---------|--------|------------------|-------|
| 9.85 | 5.91 ng | 126897 | Acenaphthene-d10 | 10.00 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|-----------|-------------------------------------|-----|----------|-------------|------|
| 1         | 2-Dodecen-1-yl(-)succinic anhydride | 266 | C16H26O3 | 019780-11-1 | 47   |
| 2         | 1-Cyclohexyl-2-methyl-prop-2-en-... | 152 | C10H16O  | 025183-82-8 | 41   |
| 3         | 7-Hexadecene, (Z)-                  | 224 | C16H32   | 035507-09-6 | 38   |
| 4         | Citral                              | 152 | C10H16O  | 005392-40-5 | 35   |
| 5         | Cyclohexane, 1,2,3-trimethyl-       | 126 | C9H18    | 001678-97-3 | 30   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
Data File : BF106933.D  
Acq On : 28 Jun 2018 20:56  
Operator : JU/SJ  
Sample : J3242-03 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

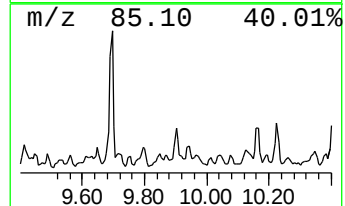
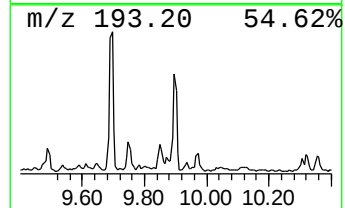
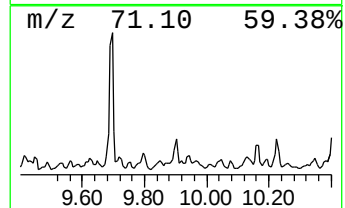
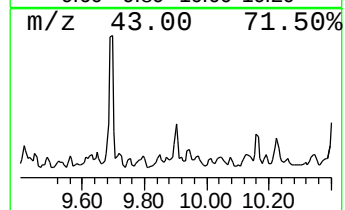
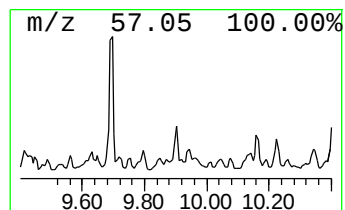
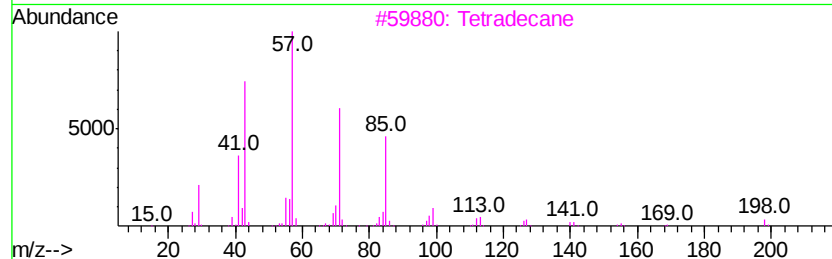
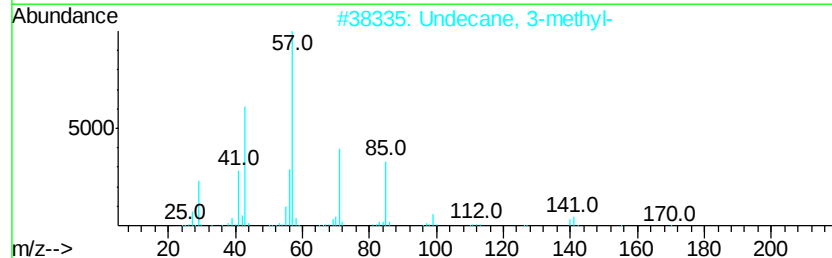
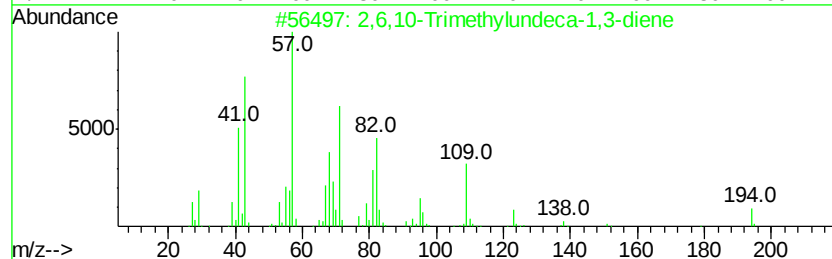
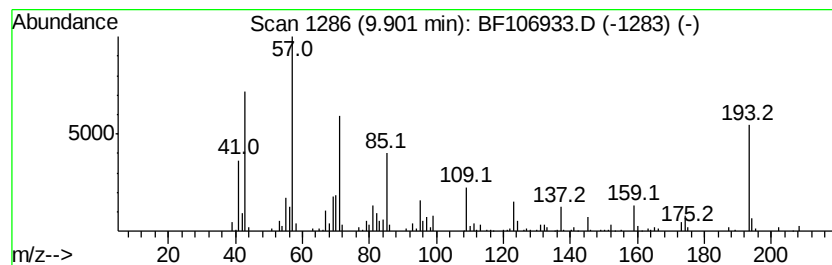
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TIC Integration Parameters: LSCINT.P

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Peak Number 10 unknown9.90 Concentration Rank 13

| R.T. | EstConc  | Area   | Relative to ISTD | R.T.  |
|------|----------|--------|------------------|-------|
| 9.90 | 10.50 ng | 225238 | Acenaphthene-d10 | 10.00 |

| Hit# | of                               | 5 | Tentative ID | MW  | MolForm | CAS#         | Qual |
|------|----------------------------------|---|--------------|-----|---------|--------------|------|
| 1    | 2,6,10-Trimethylundeca-1,3-diene |   |              | 194 | C14H26  | 1000222-09-1 | 38   |
| 2    | Undecane, 3-methyl-              |   |              | 170 | C12H26  | 001002-43-3  | 35   |
| 3    | Tetradecane                      |   |              | 198 | C14H30  | 000629-59-4  | 35   |
| 4    | Decane, 6-ethyl-2-methyl-        |   |              | 184 | C13H28  | 062108-21-8  | 35   |
| 5    | Hexadecane                       |   |              | 226 | C16H34  | 000544-76-3  | 30   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
Data File : BF106933.D  
Acq On : 28 Jun 2018 20:56  
Operator : JU/SJ  
Sample : J3242-03 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

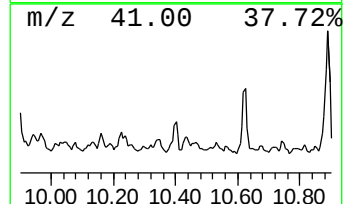
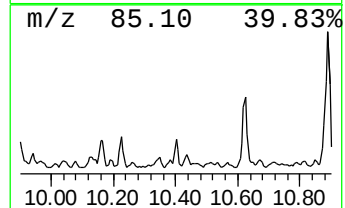
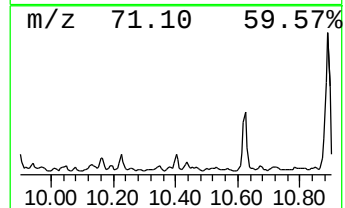
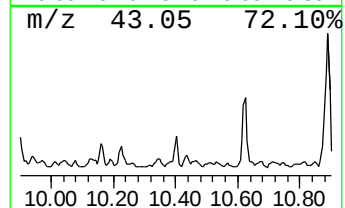
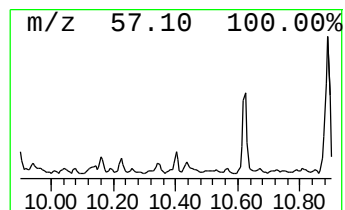
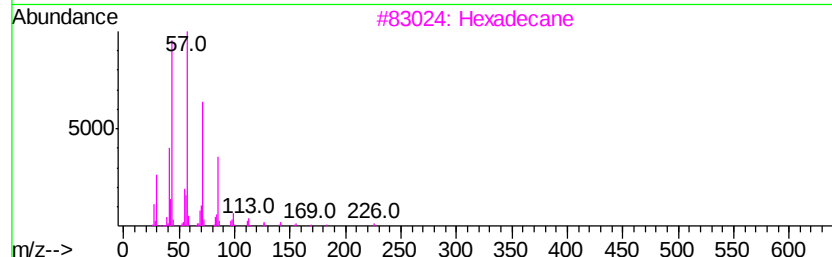
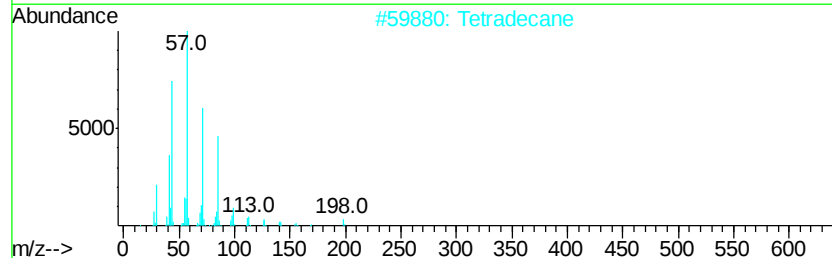
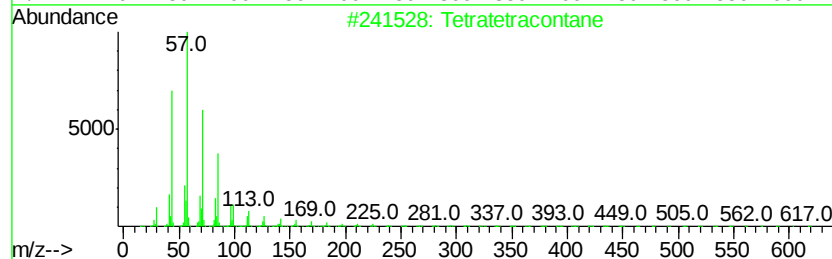
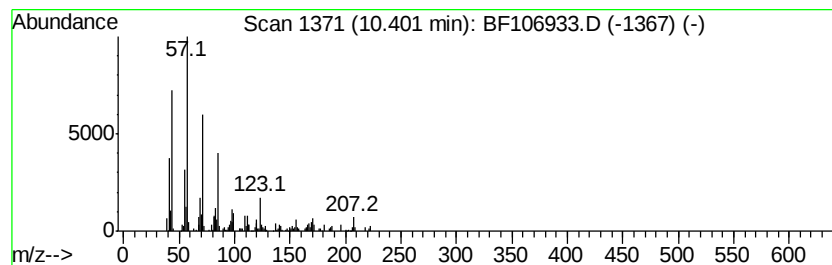
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ClientSampleId :  
JC-02-062618-B

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

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

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Peak Number 11 Tetratetracontane Concentration Rank 18

| R.T.      | EstConc           | Area   | Relative to ISTD |             | R.T.  |
|-----------|-------------------|--------|------------------|-------------|-------|
| 10.40     | 6.54 ng           | 140277 | Acenaphthene-d10 |             | 10.00 |
| Hit# of 5 | Tentative ID      | MW     | MolForm          | CAS#        | Qual  |
| 1         | Tetratetracontane | 619    | C44H90           | 007098-22-8 | 72    |
| 2         | Tetradecane       | 198    | C14H30           | 000629-59-4 | 68    |
| 3         | Hexadecane        | 226    | C16H34           | 000544-76-3 | 68    |
| 4         | Pentadecane       | 212    | C15H32           | 000629-62-9 | 68    |
| 5         | Hentriacontane    | 437    | C31H64           | 000630-04-6 | 64    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
Data File : BF106933.D  
Acq On : 28 Jun 2018 20:56  
Operator : JU/SJ  
Sample : J3242-03 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-B

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

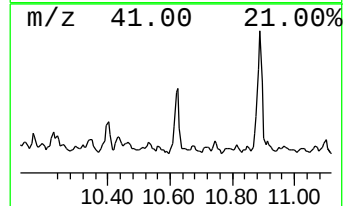
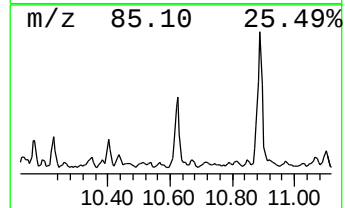
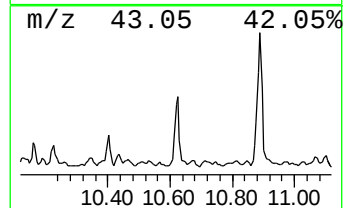
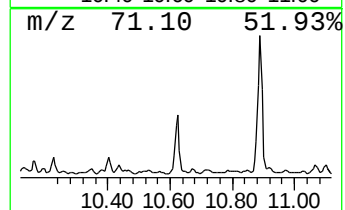
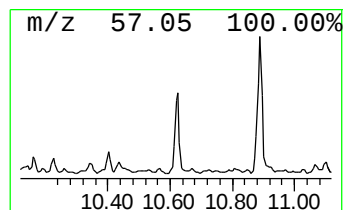
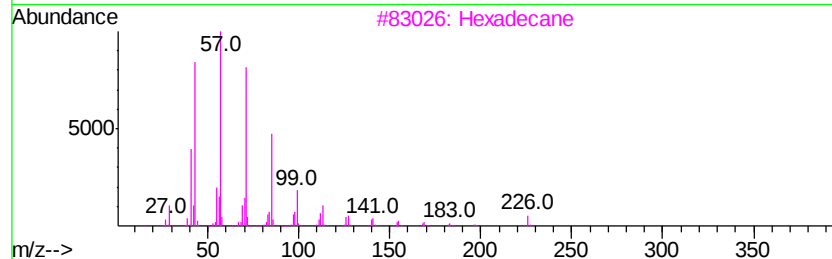
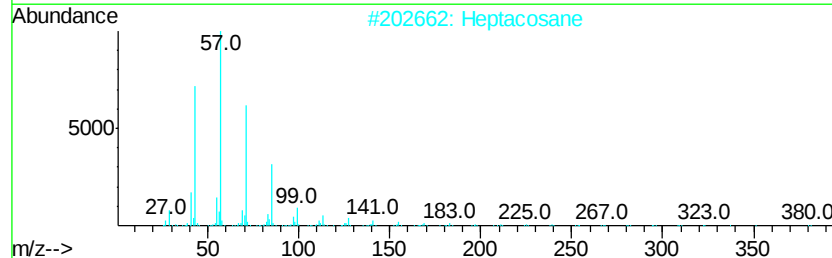
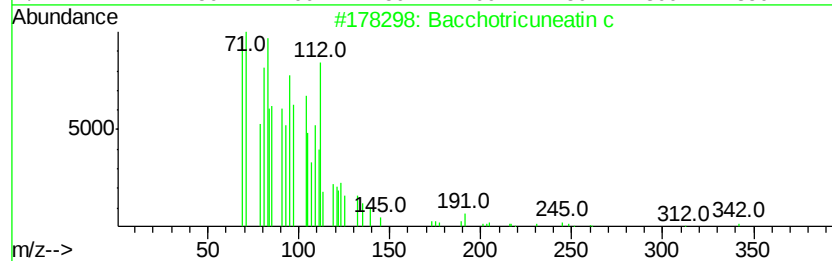
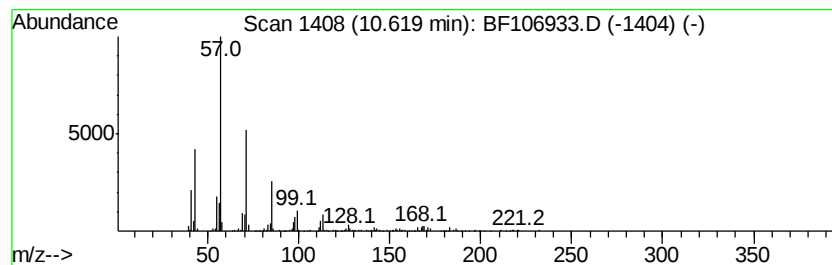
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 Bacchotricuneatin c Concentration Rank 7

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 10.62 | 20.74 ng | 445048 | Acenaphthene-d10 | 10.00 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Bacchotricuneatin c                 | 342 | C20H22O5 | 066563-30-2 | 99   |
| 2    |    | Heptacosane                         | 380 | C27H56   | 000593-49-7 | 86   |
| 3    |    | Hexadecane                          | 226 | C16H34   | 000544-76-3 | 83   |
| 4    |    | Undecane, 3,6-dimethyl-             | 184 | C13H28   | 017301-28-9 | 81   |
| 5    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44   | 054833-48-6 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
Data File : BF106933.D  
Acq On : 28 Jun 2018 20:56  
Operator : JU/SJ  
Sample : J3242-03 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

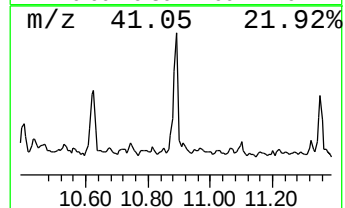
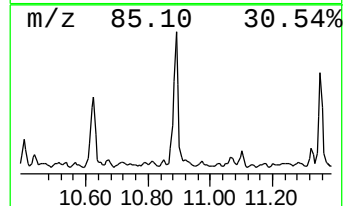
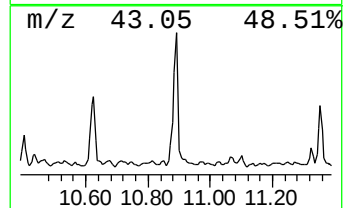
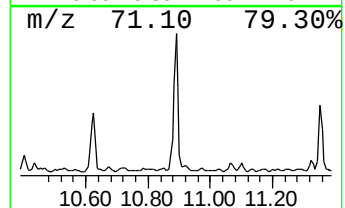
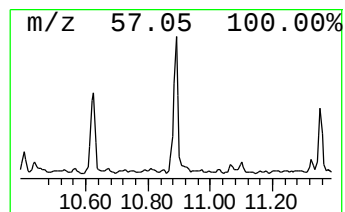
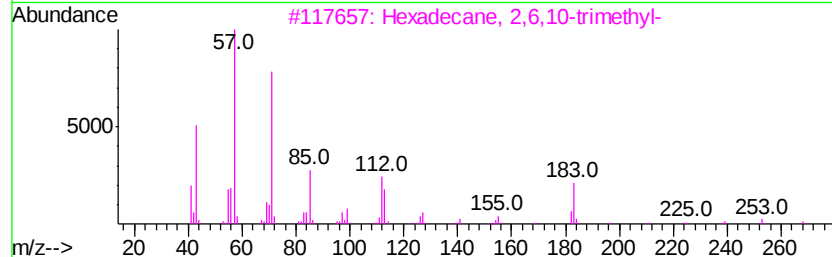
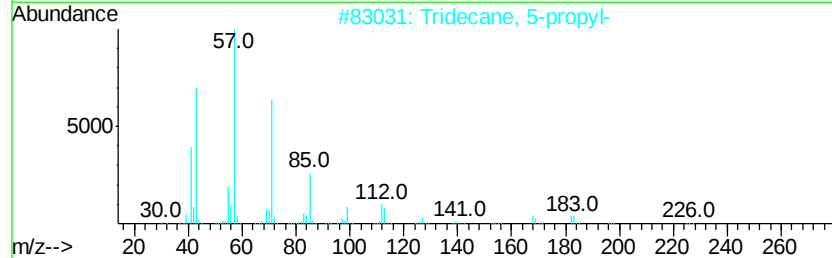
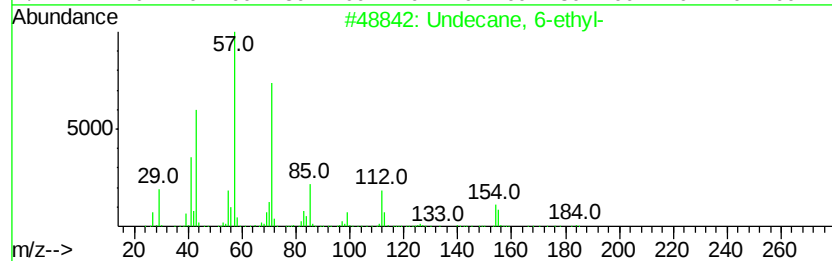
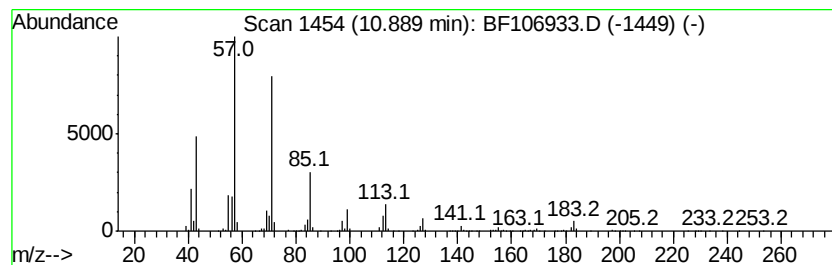
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ClientSampleId :  
JC-02-062618-B

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

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

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Peak Number 13 Undecane, 6-ethyl- Concentration Rank 4

| R.T.      | EstConc                            | Area   | Relative to ISTD | R.T.        |      |
|-----------|------------------------------------|--------|------------------|-------------|------|
| 10.89     | 38.71 ng                           | 734539 | Phenanthrene-d10 | 11.48       |      |
| Hit# of 5 | Tentative ID                       | MW     | MolForm          | CAS#        | Qual |
| 1         | Undecane, 6-ethyl-                 | 184    | C13H28           | 017312-60-6 | 90   |
| 2         | Tridecane, 5-propyl-               | 226    | C16H34           | 055045-11-9 | 86   |
| 3         | Hexadecane, 2,6,10-trimethyl-      | 268    | C19H40           | 055000-52-7 | 83   |
| 4         | Dodecane, 2,7,10-trimethyl-        | 212    | C15H32           | 074645-98-0 | 80   |
| 5         | Hexadecane, 2,6,10,14-tetramethyl- | 282    | C20H42           | 000638-36-8 | 78   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
 Data File : BF106933.D  
 Acq On : 28 Jun 2018 20:56  
 Operator : JU/SJ  
 Sample : J3242-03 5X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-062618-B

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

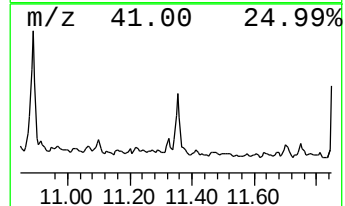
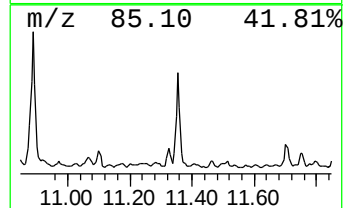
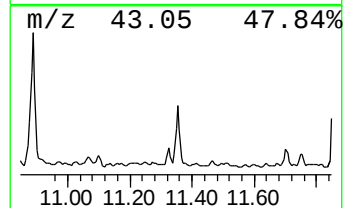
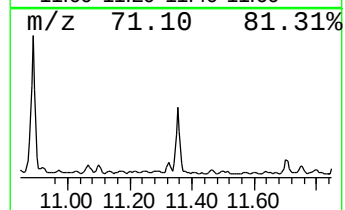
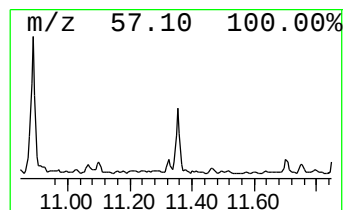
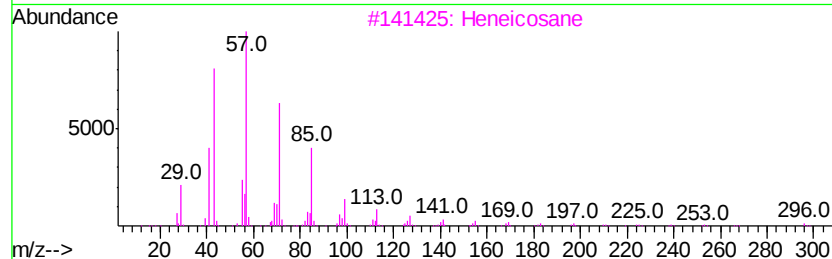
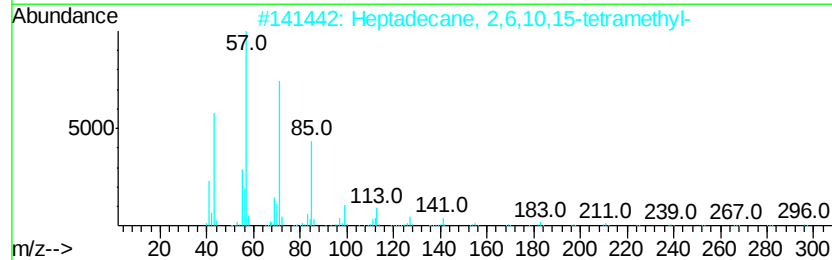
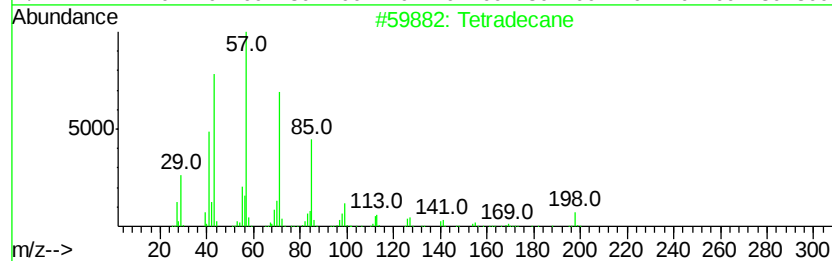
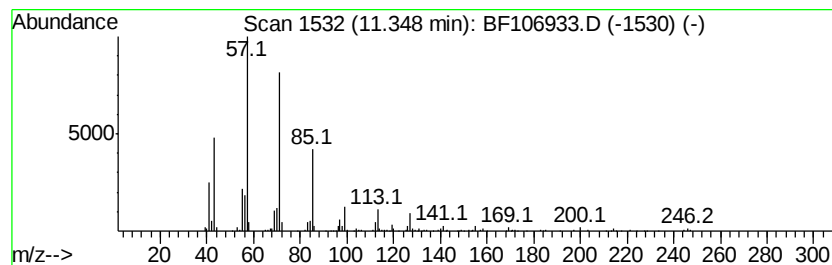
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 14 Tetradecane Concentration Rank 8

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 11.35 | 16.18 ng | 307093 | Phenanthrene-d10 | 11.48 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Tetradecane                         | 198 | C14H30  | 000629-59-4 | 90   |
| 2    |    |   | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 87   |
| 3    |    |   | Heneicosane                         | 296 | C21H44  | 000629-94-7 | 83   |
| 4    |    |   | Heptadecane                         | 240 | C17H36  | 000629-78-7 | 83   |
| 5    |    |   | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42  | 000638-36-8 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
Data File : BF106933.D  
Acq On : 28 Jun 2018 20:56  
Operator : JU/SJ  
Sample : J3242-03 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-B

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

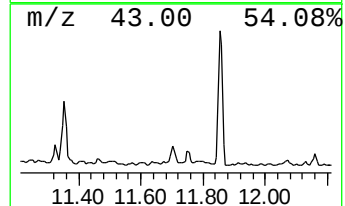
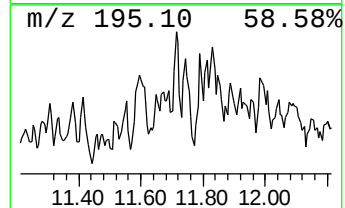
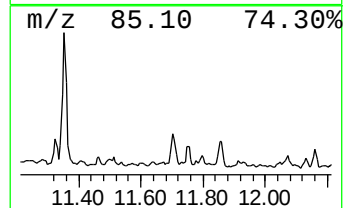
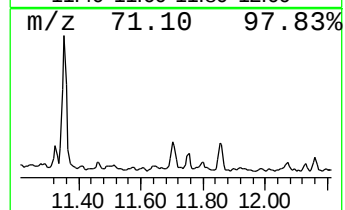
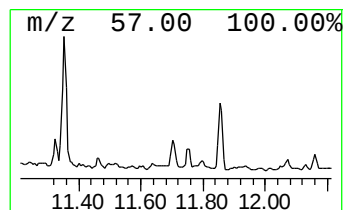
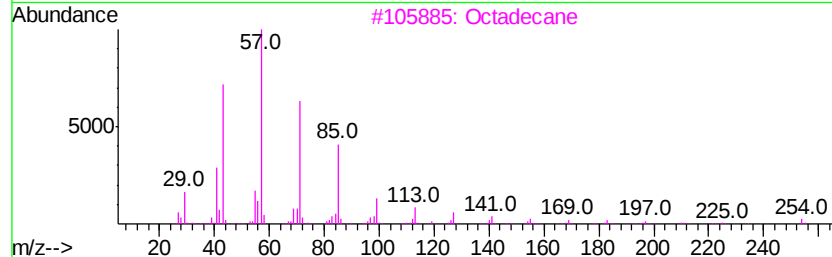
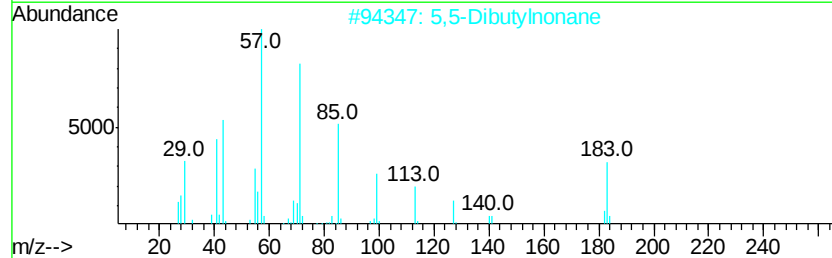
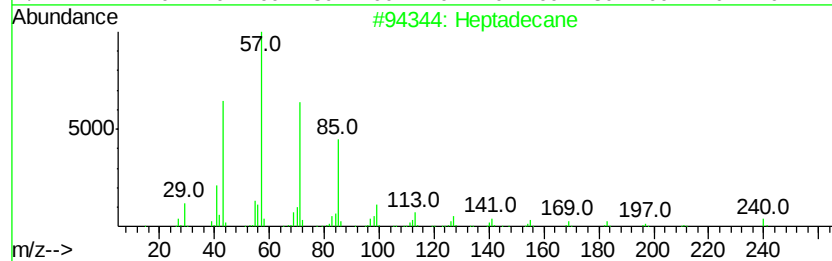
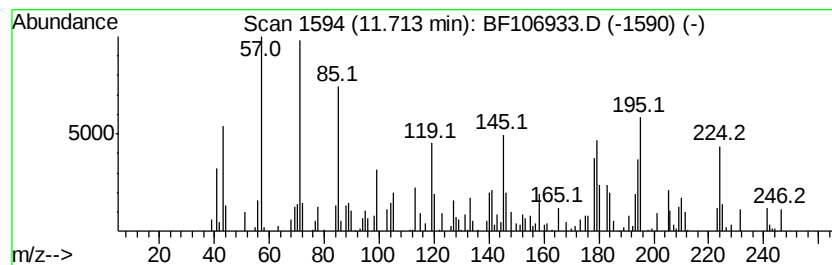
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TIC Integration Parameters: LSCINT.P

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Peak Number 15 Heptadecane Concentration Rank 16

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 11.71 | 7.06 ng | 133972 | Phenanthrene-d10 | 11.48 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane                         | 240 | C17H36  | 000629-78-7 | 90   |
| 2    |    | 5,5-Dibutylnonane                   | 240 | C17H36  | 006008-17-9 | 74   |
| 3    |    | Octadecane                          | 254 | C18H38  | 000593-45-3 | 72   |
| 4    |    | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 72   |
| 5    |    | Hexadecane                          | 226 | C16H34  | 000544-76-3 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
Data File : BF106933.D  
Acq On : 28 Jun 2018 20:56  
Operator : JU/SJ  
Sample : J3242-03 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-B

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

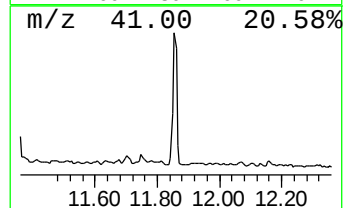
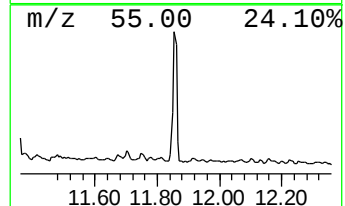
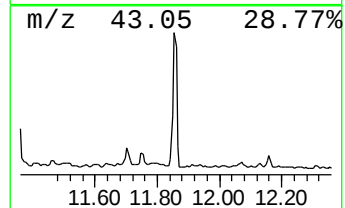
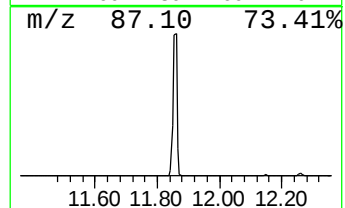
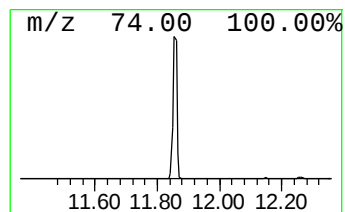
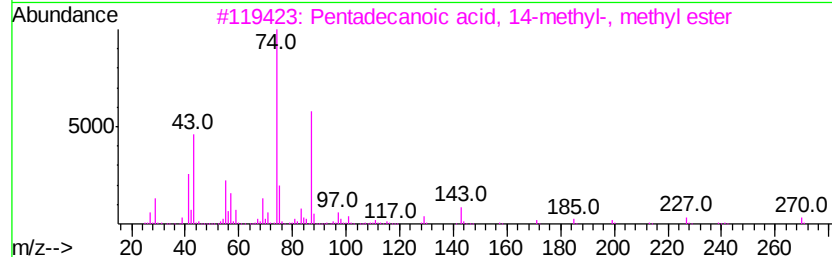
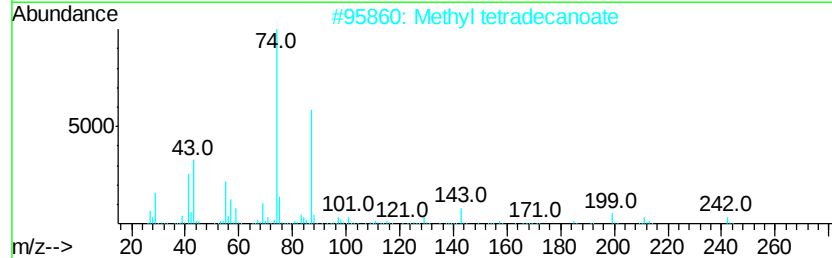
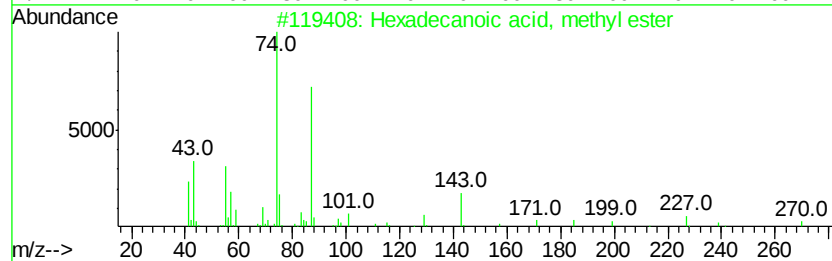
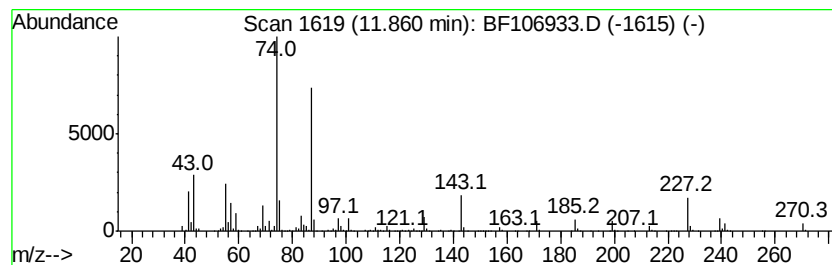
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 Hexadecanoic acid, methyl e... Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.86 | 57.93 ng | 1099440 | Phenanthrene-d10 | 11.48 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Hexadecanoic acid, methyl ester     | 270 | C17H34O2 | 000112-39-0 | 98   |
| 2    |    | Methyl tetradecanoate               | 242 | C15H30O2 | 000124-10-7 | 91   |
| 3    |    | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 91   |
| 4    |    | Tridecanoic acid, methyl ester      | 228 | C14H28O2 | 001731-88-0 | 90   |
| 5    |    | Hexadecanoic acid, 2-methyl-        | 270 | C17H34O2 | 027147-71-3 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
Data File : BF106933.D  
Acq On : 28 Jun 2018 20:56  
Operator : JU/SJ  
Sample : J3242-03 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

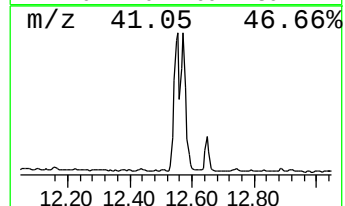
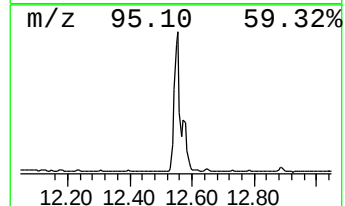
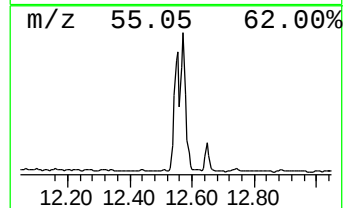
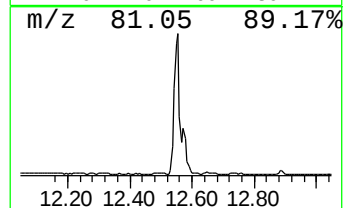
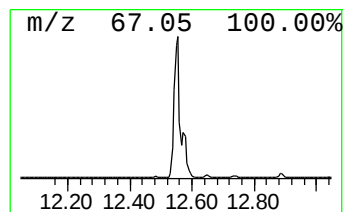
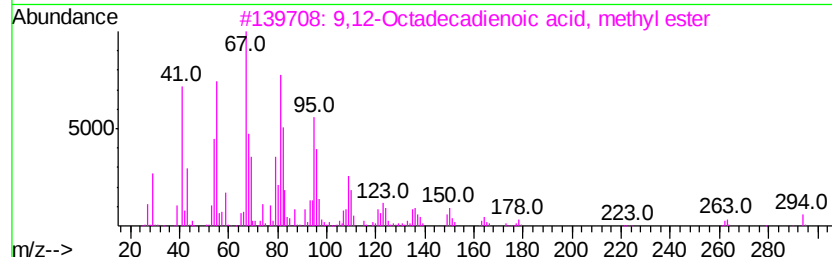
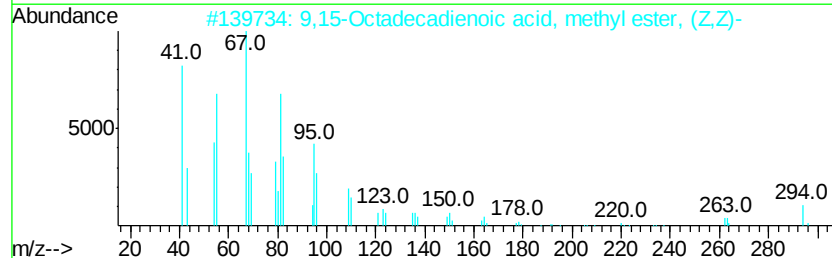
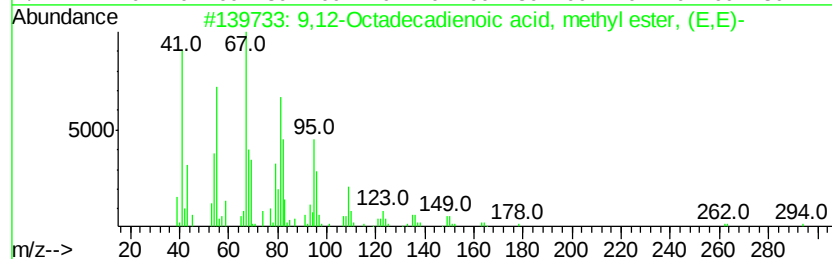
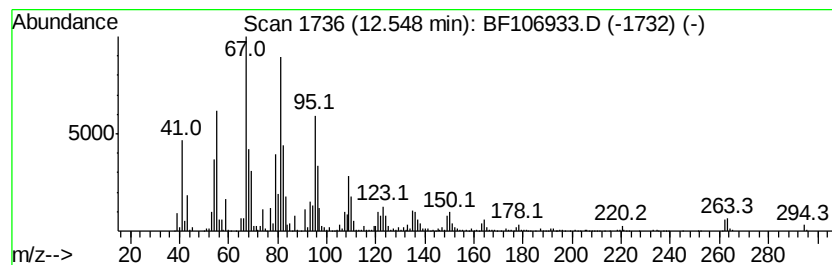
Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-B

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

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

\*\*\*\*\*  
Peak Number 17 9,12-Octadecadienoic acid, ... Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.         |      |      |
|---------|-------------------------------------|--------------|------------------|--------------|------|------|
| 12.55   | 159.59 ng                           | 3028620      | Phenanthrene-d10 | 11.48        |      |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm      | CAS# | Qual |
| 1       | 9,12-Octadecadienoic acid, methy... | 294          | C19H34O2         | 002566-97-4  | 99   |      |
| 2       | 9,15-Octadecadienoic acid, methy... | 294          | C19H34O2         | 017309-05-6  | 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       | 10,13-Octadecadienoic acid, meth... | 294          | C19H34O2         | 056554-62-2  | 98   |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
Data File : BF106933.D  
Acq On : 28 Jun 2018 20:56  
Operator : JU/SJ  
Sample : J3242-03 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-B

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

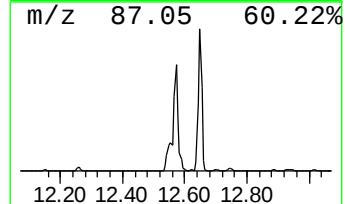
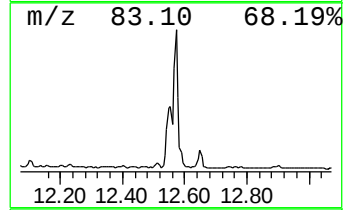
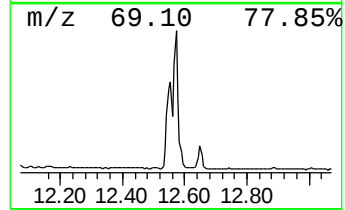
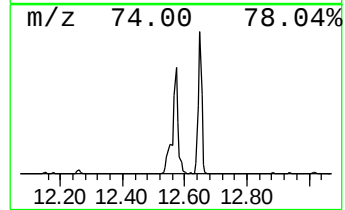
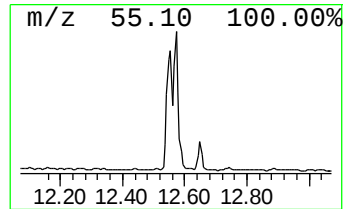
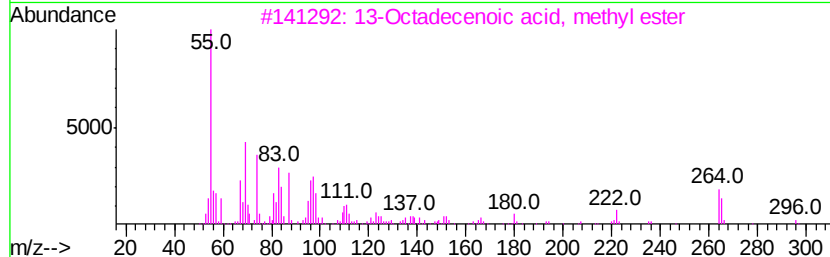
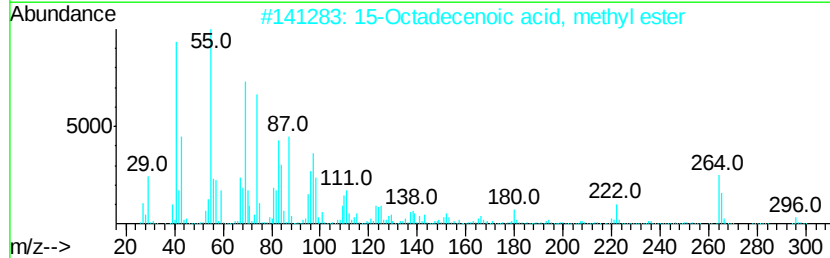
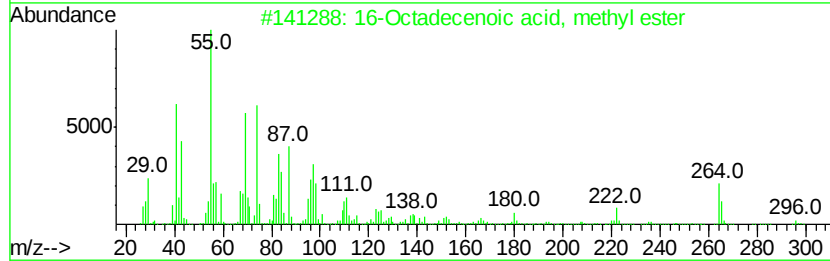
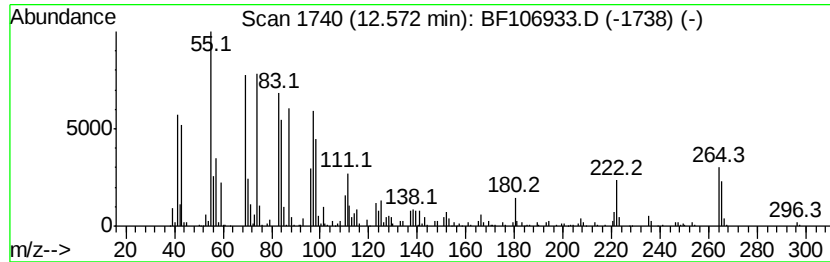
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 18 16-Octadecenoic acid, methyl ester Concentration Rank 2

| R.T.  | EstConc   | Area    | Relative to ISTD | R.T.  |
|-------|-----------|---------|------------------|-------|
| 12.57 | 125.24 ng | 2376790 | Phenanthrene-d10 | 11.48 |

| Hit# | of | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 16-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-49-5 | 86   |
| 2    |    | 15-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 004764-72-1 | 78   |
| 3    |    | 13-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-47-3 | 76   |
| 4    |    | 11-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 001937-63-9 | 74   |
| 5    |    | 10-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 013481-95-3 | 74   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
Data File : BF106933.D  
Acq On : 28 Jun 2018 20:56  
Operator : JU/SJ  
Sample : J3242-03 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-B

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

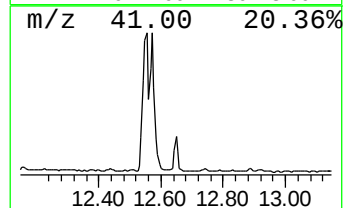
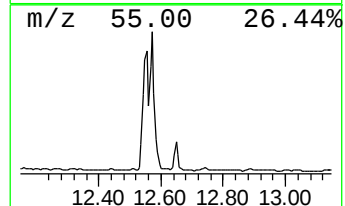
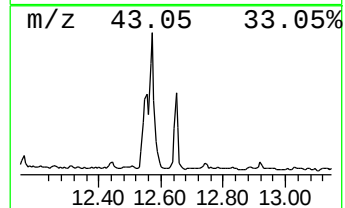
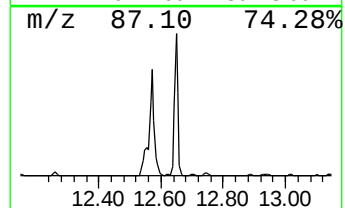
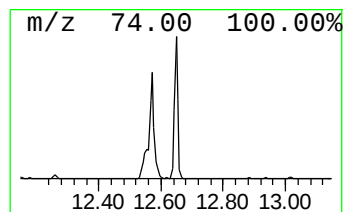
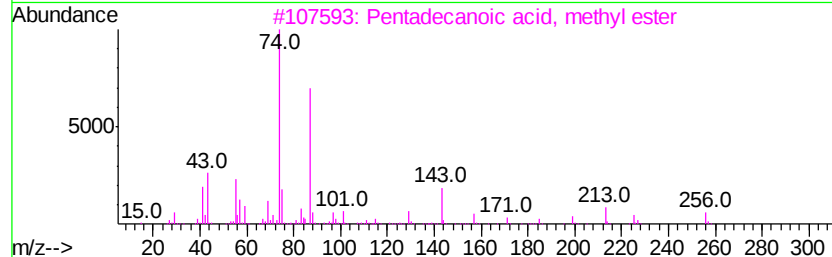
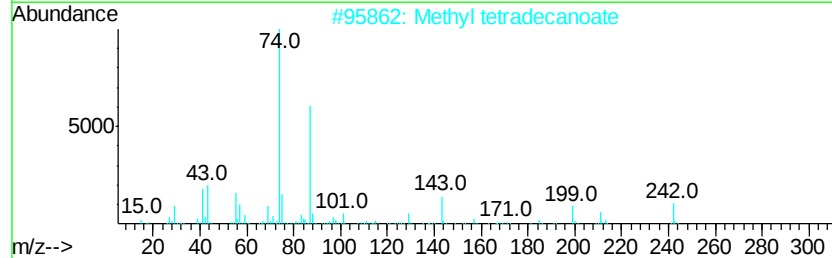
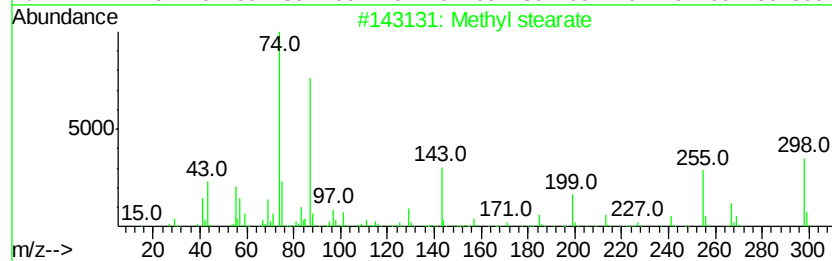
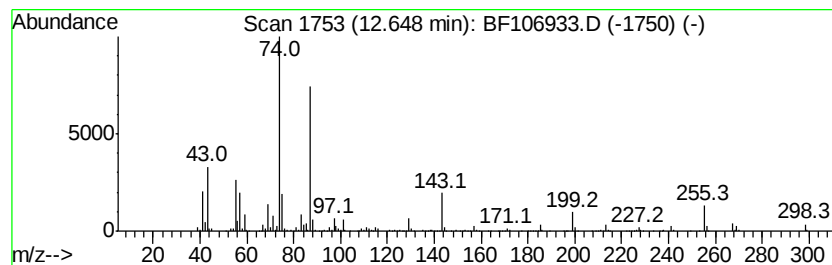
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 19 Methyl stearate Concentration Rank 5

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 12.65 | 29.87 ng | 566931 | Phenanthrene-d10 | 11.48 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Methyl stearate                     | 298 | C19H38O2 | 000112-61-8 | 96   |
| 2    |    | Methyl tetradecanoate               | 242 | C15H30O2 | 000124-10-7 | 87   |
| 3    |    | Pentadecanoic acid, methyl ester    | 256 | C16H32O2 | 007132-64-1 | 83   |
| 4    |    | Heptadecanoic acid, 16-methyl-, ... | 298 | C19H38O2 | 005129-61-3 | 83   |
| 5    |    | Heptadecanoic acid, methyl ester    | 284 | C18H36O2 | 001731-92-6 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
Data File : BF106933.D  
Acq On : 28 Jun 2018 20:56  
Operator : JU/SJ  
Sample : J3242-03 5X  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-B

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

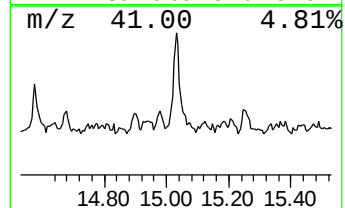
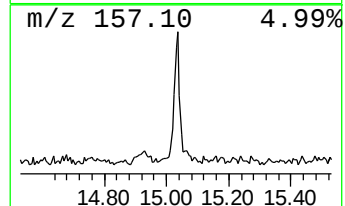
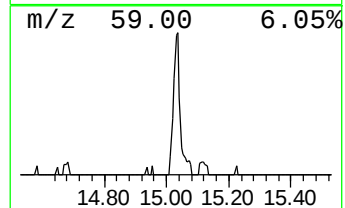
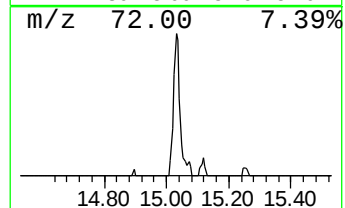
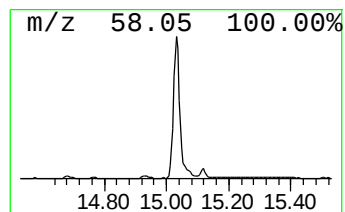
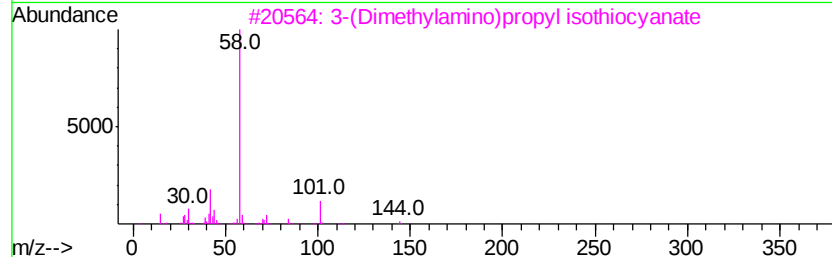
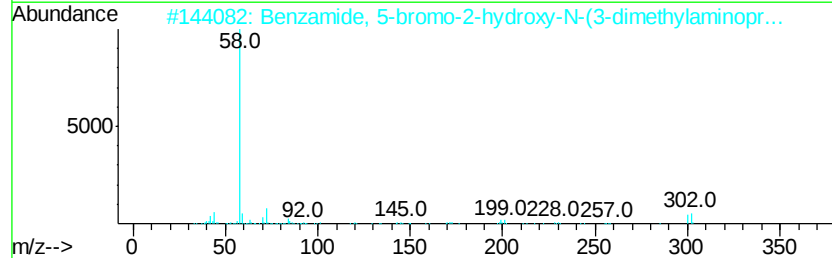
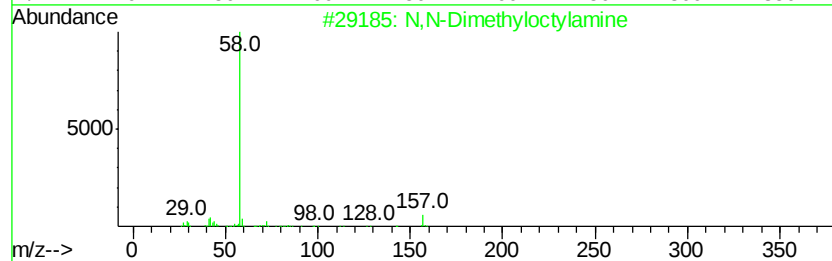
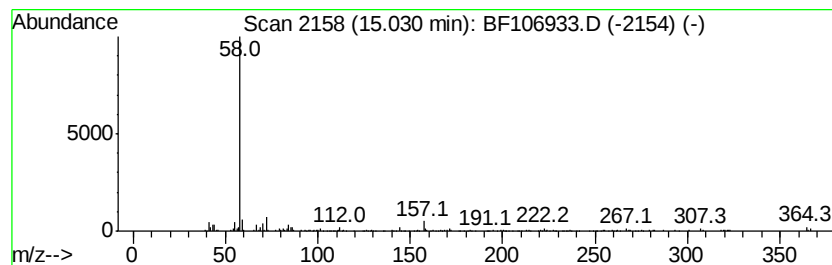
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 20 N,N-Dimethyloctylamine Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.03 | 9.96 ng | 323651 | Perylene-d12     | 15.68 |

| Hit# | of | Tentative ID                         | MW  | MolForm      | CAS#         | Qual |
|------|----|--------------------------------------|-----|--------------|--------------|------|
| 1    | 5  | N,N-Dimethyloctylamine               | 157 | C10H23N      | 007378-99-6  | 72   |
| 2    |    | Benzamide, 5-bromo-2-hydroxy-N-(...  | 300 | C12H17BrN2O2 | 289660-53-3  | 72   |
| 3    |    | 3-(Dimethylamino)propyl isothiocy... | 144 | C6H12N2S     | 027421-70-1  | 72   |
| 4    |    | 1-Nonanamine, N,N-dimethyl-          | 171 | C11H25N      | 017373-27-2  | 64   |
| 5    |    | 2,5-Di(trifluoromethyl)benzoic a...  | 329 | C13H13F6N2O2 | 1000357-36-5 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062818\  
 Data File : BF106933.D  
 Acq On : 28 Jun 2018 20:56  
 Operator : JU/SJ  
 Sample : J3242-03 5X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-062618-B

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

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                      |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown6.72          | 6.72  | 11.9    | ng    | 239537   | 1                     | 6.95  | 400870 | 20.0 |
| Decane, 5,6-dipro... | 8.64  | 6.9     | ng    | 168810   | 2                     | 8.24  | 489970 | 20.0 |
| Dodecane             | 8.90  | 5.0     | ng    | 122832   | 2                     | 8.24  | 489970 | 20.0 |
| Dodecane, 2,7,10-... | 9.24  | 10.5    | ng    | 225542   | 3                     | 10.00 | 429110 | 20.0 |
| 1,1'-Biphenyl, 2-... | 9.31  | 13.5    | ng    | 289697   | 3                     | 10.00 | 429110 | 20.0 |
| unknown9.38          | 9.38  | 15.6    | ng    | 334505   | 3                     | 10.00 | 429110 | 20.0 |
| Hexacosane           | 9.70  | 25.3    | ng    | 541662   | 3                     | 10.00 | 429110 | 20.0 |
| unknown9.85          | 9.85  | 5.9     | ng    | 126897   | 3                     | 10.00 | 429110 | 20.0 |
| unknown9.90          | 9.90  | 10.5    | ng    | 225238   | 3                     | 10.00 | 429110 | 20.0 |
| Tetratetracontane    | 10.40 | 6.5     | ng    | 140277   | 3                     | 10.00 | 429110 | 20.0 |
| Bacchotricuneatin c  | 10.62 | 20.7    | ng    | 445048   | 3                     | 10.00 | 429110 | 20.0 |
| Undecane, 6-ethyl-   | 10.89 | 38.7    | ng    | 734539   | 4                     | 11.48 | 379550 | 20.0 |
| Tetradecane          | 11.35 | 16.2    | ng    | 307093   | 4                     | 11.48 | 379550 | 20.0 |
| Heptadecane          | 11.71 | 7.1     | ng    | 133972   | 4                     | 11.48 | 379550 | 20.0 |
| Hexadecanoic acid... | 11.86 | 57.9    | ng    | 1099440  | 4                     | 11.48 | 379550 | 20.0 |
| 9,12-Octadecadien... | 12.55 | 159.6   | ng    | 3028620  | 4                     | 11.48 | 379550 | 20.0 |
| 16-Octadecenoic a... | 12.57 | 125.2   | ng    | 2376790  | 4                     | 11.48 | 379550 | 20.0 |
| Methyl stearate      | 12.65 | 29.9    | ng    | 566931   | 4                     | 11.48 | 379550 | 20.0 |
| N,N-Dimethyloctyl... | 15.03 | 10.0    | ng    | 323651   | 6                     | 15.68 | 650215 | 20.0 |