

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011223\  
 Data File : BF132054.D  
 Acq On : 12 Jan 2023 21:59  
 Operator : CG\JU  
 Sample : 01122-01 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PAT-03-011123

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF132054.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.951       | 479           | 487         | 494          | rBV      | 117322         | 125857        | 20.36%          | 0.903%        |
| 2         | 5.387       | 558           | 561         | 567          | rBV      | 296694         | 285773        | 46.22%          | 2.049%        |
| 3         | 6.004       | 662           | 666         | 672          | rVB4     | 50877          | 66938         | 10.83%          | 0.480%        |
| 4         | 6.192       | 692           | 698         | 701          | rBV2     | 29638          | 34527         | 5.58%           | 0.248%        |
| 5         | 6.287       | 711           | 714         | 722          | rBV      | 47114          | 62559         | 10.12%          | 0.449%        |
| 6         | 6.422       | 732           | 737         | 742          | rVV      | 300894         | 320404        | 51.82%          | 2.298%        |
| 7         | 6.504       | 746           | 751         | 755          | rVV4     | 27586          | 51990         | 8.41%           | 0.373%        |
| 8         | 6.598       | 763           | 767         | 769          | rBV3     | 72928          | 64673         | 10.46%          | 0.464%        |
| 9         | 6.775       | 793           | 797         | 800          | rVV2     | 488693         | 456337        | 73.80%          | 3.273%        |
| 10        | 6.910       | 817           | 820         | 824          | rVV2     | 64808          | 67016         | 10.84%          | 0.481%        |
| 11        | 7.039       | 839           | 842         | 845          | rVB3     | 46480          | 54476         | 8.81%           | 0.391%        |
| 12        | 7.163       | 858           | 863         | 865          | rVV3     | 49213          | 57239         | 9.26%           | 0.411%        |
| 13        | 7.304       | 881           | 887         | 890          | rVV2     | 74733          | 88019         | 14.24%          | 0.631%        |
| 14        | 7.339       | 890           | 893         | 896          | rVV      | 256115         | 221902        | 35.89%          | 1.591%        |
| 15        | 7.369       | 896           | 898         | 901          | rVB2     | 40971          | 36121         | 5.84%           | 0.259%        |
| 16        | 7.416       | 901           | 906         | 909          | rVB5     | 51455          | 75560         | 12.22%          | 0.542%        |
| 17        | 7.481       | 909           | 917         | 920          | rBV3     | 34544          | 82282         | 13.31%          | 0.590%        |
| 18        | 7.545       | 926           | 928         | 931          | rVV2     | 62400          | 64920         | 10.50%          | 0.466%        |
| 19        | 7.575       | 931           | 933         | 936          | rVB2     | 65028          | 55046         | 8.90%           | 0.395%        |
| 20        | 7.669       | 943           | 949         | 951          | rBV3     | 49613          | 81855         | 13.24%          | 0.587%        |
| 21        | 7.692       | 951           | 953         | 957          | rVB4     | 55424          | 52673         | 8.52%           | 0.378%        |
| 22        | 7.734       | 957           | 960         | 963          | rVB3     | 37883          | 45937         | 7.43%           | 0.329%        |
| 23        | 7.798       | 968           | 971         | 973          | rBV2     | 72116          | 78278         | 12.66%          | 0.561%        |
| 24        | 7.875       | 980           | 984         | 990          | rVB7     | 35204          | 49611         | 8.02%           | 0.356%        |
| 25        | 7.928       | 990           | 993         | 996          | rBV2     | 46184          | 48795         | 7.89%           | 0.350%        |
| 26        | 8.010       | 1001          | 1007        | 1010         | rBV5     | 45321          | 99923         | 16.16%          | 0.717%        |
| 27        | 8.063       | 1010          | 1016        | 1019         | rVV      | 602617         | 618302        | 100.00%         | 4.434%        |
| 28        | 8.116       | 1021          | 1025        | 1028         | rVB2     | 189706         | 191926        | 31.04%          | 1.376%        |
| 29        | 8.145       | 1028          | 1030        | 1033         | rBV3     | 55517          | 51886         | 8.39%           | 0.372%        |
| 30        | 8.216       | 1038          | 1042        | 1043         | rBV4     | 31730          | 35125         | 5.68%           | 0.252%        |
| 31        | 8.257       | 1047          | 1049        | 1052         | rVB3     | 67651          | 59491         | 9.62%           | 0.427%        |
| 32        | 8.351       | 1060          | 1065        | 1069         | rVB6     | 88863          | 122037        | 19.74%          | 0.875%        |
| 33        | 8.445       | 1078          | 1081        | 1083         | rBV3     | 69931          | 63927         | 10.34%          | 0.458%        |
| 34        | 8.481       | 1083          | 1087        | 1089         | rBV      | 217802         | 190213        | 30.76%          | 1.364%        |
| 35        | 8.528       | 1092          | 1095        | 1099         | rVB3     | 50711          | 57712         | 9.33%           | 0.414%        |
| 36        | 8.563       | 1099          | 1101        | 1104         | rBV3     | 62067          | 59195         | 9.57%           | 0.425%        |

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Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |       |      |      |      |      |       |        |        |        |
|----|-------|------|------|------|------|-------|--------|--------|--------|
| 37 | 8.592 | 1104 | 1106 | 1110 | rBV4 | 26198 | 39928  | 6.46%  | 0.286% |
| 38 | 8.651 | 1113 | 1116 | 1119 | rBV3 | 50821 | 72050  | 11.65% | 0.517% |
| 39 | 8.745 | 1129 | 1132 | 1135 | rVB2 | 95509 | 105337 | 17.04% | 0.755% |
| 40 | 8.775 | 1135 | 1137 | 1140 | rBV  | 72780 | 56404  | 9.12%  | 0.405% |

|    |       |      |      |      |      |        |        |        |        |
|----|-------|------|------|------|------|--------|--------|--------|--------|
| 41 | 8.833 | 1145 | 1147 | 1150 | rBV3 | 33238  | 47155  | 7.63%  | 0.338% |
| 42 | 8.880 | 1150 | 1155 | 1158 | rVV2 | 137115 | 173586 | 28.07% | 1.245% |
| 43 | 8.933 | 1162 | 1164 | 1166 | rBV3 | 39626  | 35680  | 5.77%  | 0.256% |
| 44 | 8.969 | 1167 | 1170 | 1174 | rVB3 | 79933  | 82645  | 13.37% | 0.593% |
| 45 | 9.004 | 1174 | 1176 | 1178 | rBV2 | 41555  | 39107  | 6.32%  | 0.280% |

|    |       |      |      |      |      |        |        |        |        |
|----|-------|------|------|------|------|--------|--------|--------|--------|
| 46 | 9.080 | 1186 | 1189 | 1192 | rBV  | 293998 | 233912 | 37.83% | 1.678% |
| 47 | 9.139 | 1196 | 1199 | 1203 | rVB  | 402795 | 321195 | 51.95% | 2.304% |
| 48 | 9.222 | 1208 | 1213 | 1217 | rBV3 | 85334  | 135328 | 21.89% | 0.971% |
| 49 | 9.257 | 1217 | 1219 | 1221 | rBV3 | 53637  | 51345  | 8.30%  | 0.368% |
| 50 | 9.286 | 1222 | 1224 | 1227 | rVB2 | 59659  | 55539  | 8.98%  | 0.398% |

|    |       |      |      |      |      |        |        |        |        |
|----|-------|------|------|------|------|--------|--------|--------|--------|
| 51 | 9.333 | 1230 | 1232 | 1237 | rVB2 | 68542  | 75508  | 12.21% | 0.542% |
| 52 | 9.410 | 1241 | 1245 | 1249 | rBV  | 177973 | 223868 | 36.21% | 1.606% |
| 53 | 9.451 | 1249 | 1252 | 1254 | rBV4 | 33318  | 40581  | 6.56%  | 0.291% |
| 54 | 9.480 | 1254 | 1257 | 1259 | rBV  | 240161 | 247978 | 40.11% | 1.778% |
| 55 | 9.504 | 1259 | 1261 | 1263 | rVV  | 142254 | 148020 | 23.94% | 1.062% |

|    |       |      |      |      |      |        |        |        |        |
|----|-------|------|------|------|------|--------|--------|--------|--------|
| 56 | 9.522 | 1263 | 1264 | 1265 | rVV  | 141490 | 89169  | 14.42% | 0.639% |
| 57 | 9.539 | 1265 | 1267 | 1269 | rVB2 | 306328 | 244316 | 39.51% | 1.752% |
| 58 | 9.598 | 1274 | 1277 | 1278 | rBV  | 92621  | 69444  | 11.23% | 0.498% |
| 59 | 9.680 | 1288 | 1291 | 1295 | rBV2 | 141443 | 126949 | 20.53% | 0.910% |
| 60 | 9.722 | 1295 | 1298 | 1301 | rVB2 | 122206 | 102768 | 16.62% | 0.737% |

|    |       |      |      |      |      |        |        |        |        |
|----|-------|------|------|------|------|--------|--------|--------|--------|
| 61 | 9.792 | 1307 | 1310 | 1311 | rBV2 | 56780  | 67839  | 10.97% | 0.487% |
| 62 | 9.822 | 1312 | 1315 | 1318 | rVV  | 667104 | 534564 | 86.46% | 3.834% |
| 63 | 9.851 | 1318 | 1320 | 1323 | rVV3 | 65892  | 80029  | 12.94% | 0.574% |
| 64 | 9.880 | 1323 | 1325 | 1329 | rVB3 | 53738  | 62371  | 10.09% | 0.447% |
| 65 | 9.922 | 1329 | 1332 | 1337 | rBV  | 142470 | 164109 | 26.54% | 1.177% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 66 | 9.969  | 1337 | 1340 | 1343 | rBV4 | 49547  | 69387  | 11.22% | 0.498% |
| 67 | 10.022 | 1344 | 1349 | 1353 | rVB3 | 163544 | 214712 | 34.73% | 1.540% |
| 68 | 10.063 | 1353 | 1356 | 1360 | rBV3 | 176582 | 184188 | 29.79% | 1.321% |
| 69 | 10.139 | 1365 | 1369 | 1372 | rBV  | 140763 | 168316 | 27.22% | 1.207% |
| 70 | 10.169 | 1372 | 1374 | 1376 | rBV  | 78878  | 56280  | 9.10%  | 0.404% |

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 71 | 10.186 | 1376 | 1377 | 1380 | rVB2 | 57837  | 36188  | 5.85%  | 0.260% |
| 72 | 10.222 | 1380 | 1383 | 1386 | rBV2 | 109734 | 149224 | 24.13% | 1.070% |
| 73 | 10.363 | 1402 | 1407 | 1409 | rBV3 | 81134  | 108358 | 17.53% | 0.777% |
| 74 | 10.469 | 1421 | 1425 | 1431 | rVB2 | 217294 | 265806 | 42.99% | 1.906% |
| 75 | 10.533 | 1434 | 1436 | 1439 | rVB2 | 104438 | 94309  | 15.25% | 0.676% |

|    |        |      |      |      |      |       |       |       |        |
|----|--------|------|------|------|------|-------|-------|-------|--------|
| 76 | 10.586 | 1443 | 1445 | 1447 | rVV2 | 48955 | 39677 | 6.42% | 0.285% |
|----|--------|------|------|------|------|-------|-------|-------|--------|

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 PAT-03-011123

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |        |        |        |        |
|-----|--------|------|------|------|------|--------|--------|--------|--------|
| 77  | 10.616 | 1447 | 1450 | 1453 | rVV2 | 229487 | 229018 | 37.04% | 1.642% |
| 78  | 10.645 | 1453 | 1455 | 1460 | rVB4 | 52318  | 62444  | 10.10% | 0.448% |
| 79  | 10.733 | 1466 | 1470 | 1477 | rVB  | 498240 | 482772 | 78.08% | 3.462% |
| 80  | 10.910 | 1498 | 1500 | 1504 | rBV5 | 41764  | 47171  | 7.63%  | 0.338% |
| 81  | 10.945 | 1504 | 1506 | 1509 | rVB  | 77637  | 66180  | 10.70% | 0.475% |
| 82  | 11.057 | 1522 | 1525 | 1531 | rVB6 | 44141  | 78316  | 12.67% | 0.562% |
| 83  | 11.198 | 1546 | 1549 | 1555 | rVB2 | 220934 | 249345 | 40.33% | 1.788% |
| 84  | 11.310 | 1565 | 1568 | 1571 | rBV  | 603469 | 551482 | 89.19% | 3.955% |
| 85  | 11.333 | 1571 | 1572 | 1575 | rVB  | 138317 | 97694  | 15.80% | 0.701% |
| 86  | 11.551 | 1605 | 1609 | 1614 | rBV2 | 61106  | 76687  | 12.40% | 0.550% |
| 87  | 11.816 | 1651 | 1654 | 1655 | rBV  | 71587  | 63618  | 10.29% | 0.456% |
| 88  | 11.845 | 1655 | 1659 | 1664 | rVB  | 296174 | 334148 | 54.04% | 2.396% |
| 89  | 11.921 | 1670 | 1672 | 1675 | rVV2 | 70116  | 62187  | 10.06% | 0.446% |
| 90  | 12.292 | 1732 | 1735 | 1742 | rVB3 | 92577  | 129679 | 20.97% | 0.930% |
| 91  | 12.363 | 1744 | 1747 | 1750 | rVV  | 70008  | 67870  | 10.98% | 0.487% |
| 92  | 12.398 | 1750 | 1753 | 1756 | rVV4 | 42388  | 61872  | 10.01% | 0.444% |
| 93  | 12.527 | 1772 | 1775 | 1776 | rBV  | 159257 | 139382 | 22.54% | 1.000% |
| 94  | 12.557 | 1777 | 1780 | 1789 | rVV  | 296092 | 468583 | 75.79% | 3.361% |
| 95  | 12.627 | 1789 | 1792 | 1798 | rVB4 | 58989  | 89439  | 14.47% | 0.641% |
| 96  | 12.757 | 1811 | 1814 | 1821 | rVB  | 134937 | 137784 | 22.28% | 0.988% |
| 97  | 12.898 | 1835 | 1838 | 1841 | rBV  | 315167 | 246476 | 39.86% | 1.768% |
| 98  | 12.957 | 1844 | 1848 | 1856 | rVB3 | 90220  | 158779 | 25.68% | 1.139% |
| 99  | 13.963 | 2014 | 2019 | 2021 | rBV  | 426894 | 438715 | 70.95% | 3.146% |
| 100 | 15.421 | 2264 | 2267 | 2273 | rVB  | 261015 | 312260 | 50.50% | 2.239% |

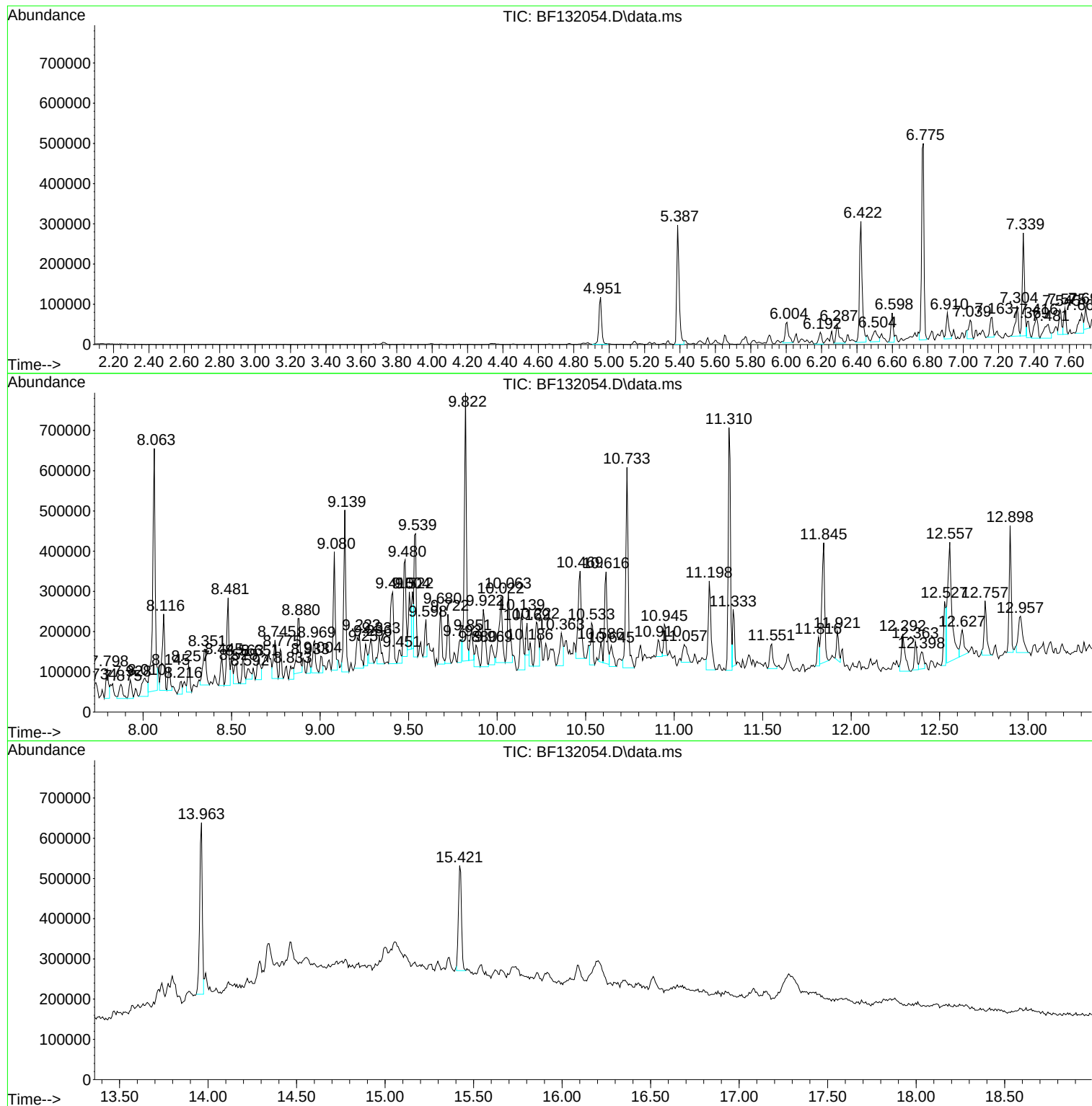
Sum of corrected areas: 13943595

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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

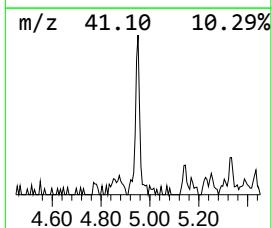
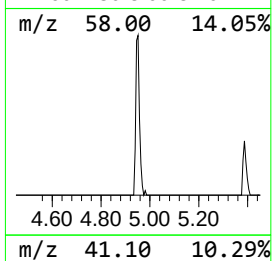
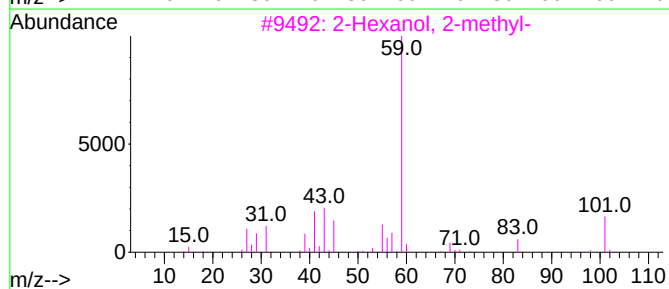
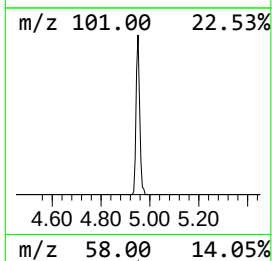
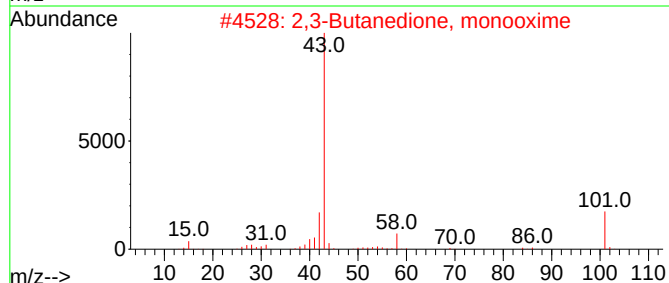
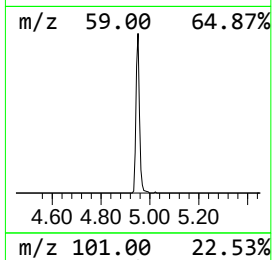
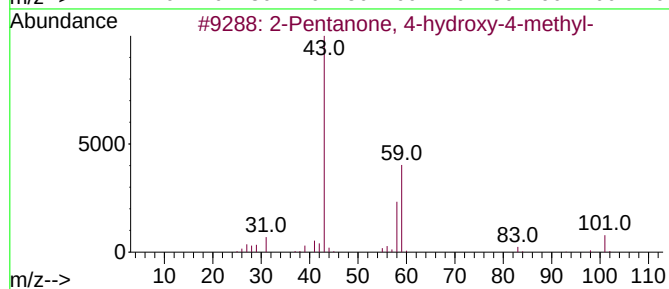
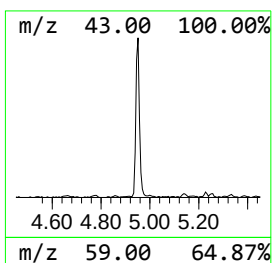
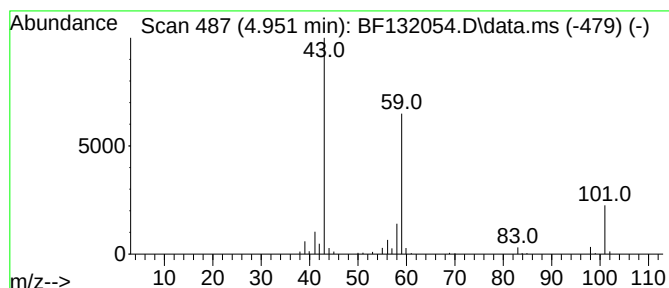
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 4.951 | 5.52 ng | 125857 | 1,4-Dichlorobenzene-d4 | 6.775 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2      | 000123-42-2 | 56      |      |      |
| 2    | 2,3-Butanedione, monooxime          | 101 | C4H7NO2      | 000057-71-6 | 35      |      |      |
| 3    | 2-Hexanol, 2-methyl-                | 116 | C7H16O       | 000625-23-0 | 23      |      |      |
| 4    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2     | 001116-98-9 | 17      |      |      |
| 5    | 1-Propen-2-ol, acetate              | 100 | C5H8O2       | 000108-22-5 | 10      |      |      |



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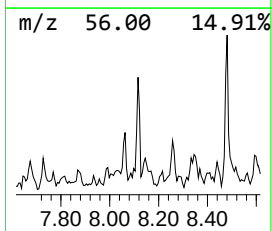
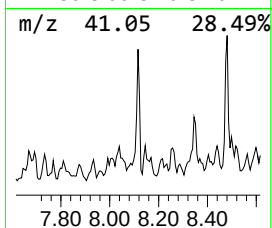
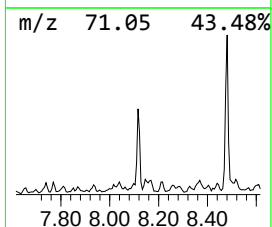
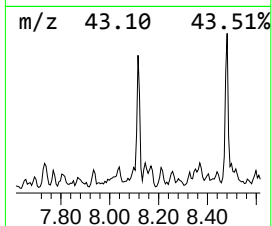
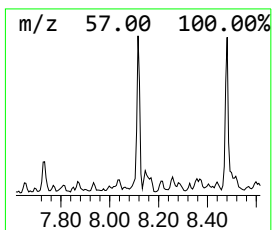
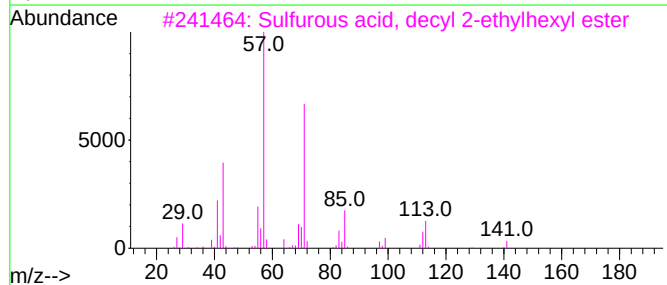
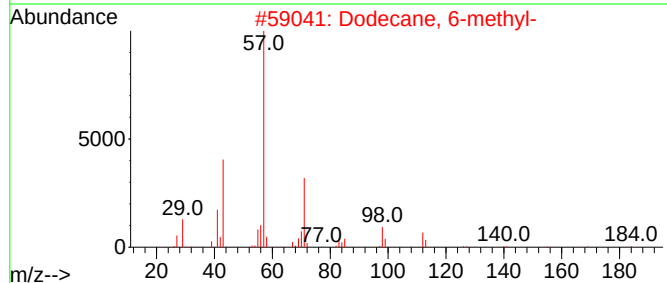
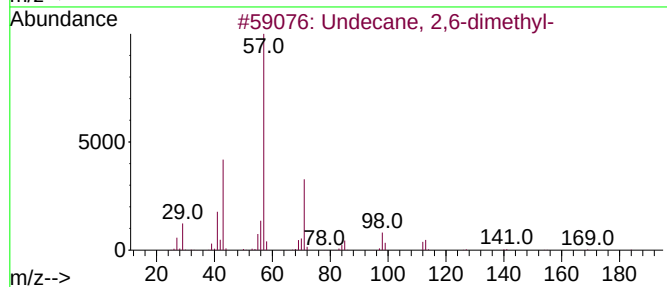
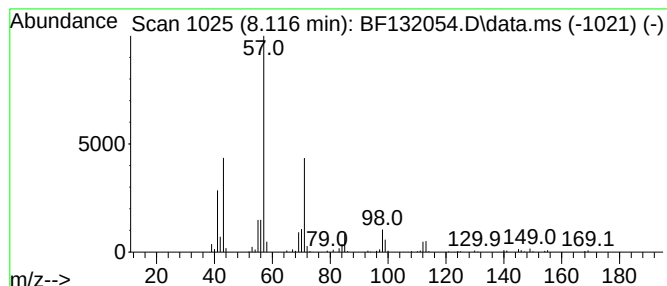
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 Undecane, 2,6-dimethyl- Concentration Rank 13

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 8.116 | 6.21 ng | 191926 | Naphthalene-d8   | 8.063 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Undecane, 2,6-dimethyl-             | 184 | C13H28    | 017301-23-4  | 90   |
| 2    |    |   | Dodecane, 6-methyl-                 | 184 | C13H28    | 006044-71-9  | 78   |
| 3    |    |   | Sulfurous acid, decyl 2-ethylhex... | 334 | C18H38O3S | 1000309-19-3 | 72   |
| 4    |    |   | Sulfurous acid, butyl 2-ethylhex... | 250 | C12H26O3S | 1000309-18-8 | 64   |
| 5    |    |   | Decane, 2,5,9-trimethyl-            | 184 | C13H28    | 062108-22-9  | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011223\  
Data File : BF132054.D  
Acq On : 12 Jan 2023 21:59  
Operator : CG\JU  
Sample : 01122-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PAT-03-011123

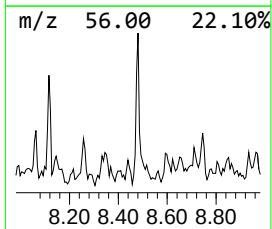
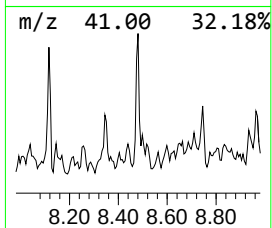
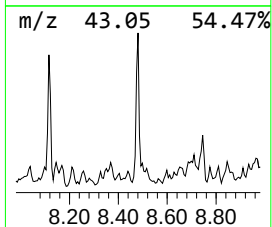
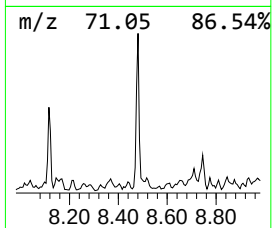
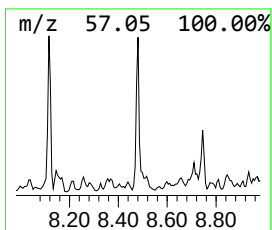
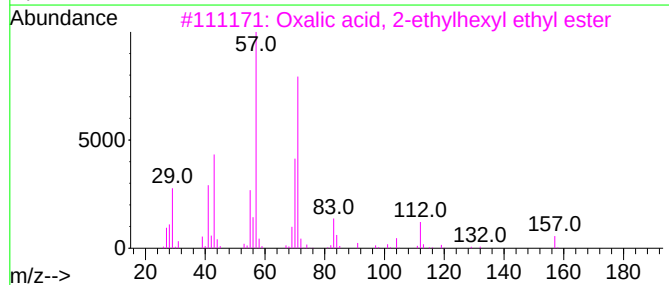
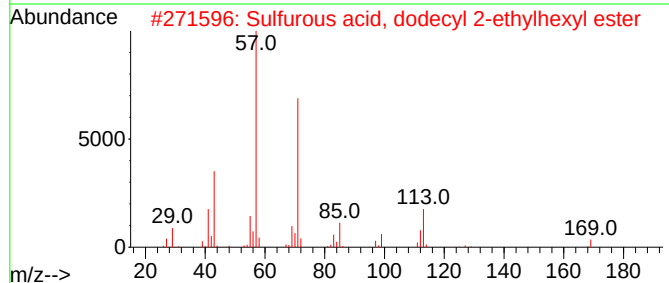
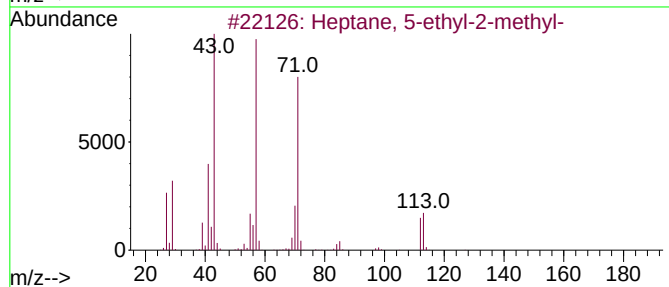
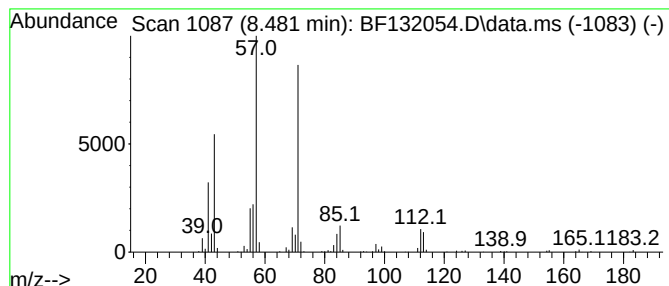
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Heptane, 5-ethyl-2-methyl- Concentration Rank 14

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 8.481     | 6.15 ng                             | 190213 | Naphthalene-d8   | 8.063        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Heptane, 5-ethyl-2-methyl-          | 142    | C10H22           | 013475-78-0  | 72   |
| 2         | Sulfurous acid, dodecyl 2-ethylh... | 362    | C20H42O3S        | 1000309-19-5 | 72   |
| 3         | Oxalic acid, 2-ethylhexyl ethyl ... | 230    | C12H22O4         | 1000309-38-4 | 64   |
| 4         | Oxalic acid, 2-ethylhexyl hexyl ... | 286    | C16H30O4         | 1000309-38-9 | 64   |
| 5         | Octane, 2,3,7-trimethyl-            | 156    | C11H24           | 062016-34-6  | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011223\  
Data File : BF132054.D  
Acq On : 12 Jan 2023 21:59  
Operator : CG\JU  
Sample : 01122-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PAT-03-011123

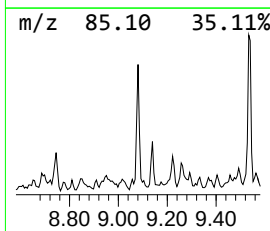
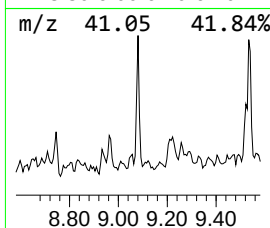
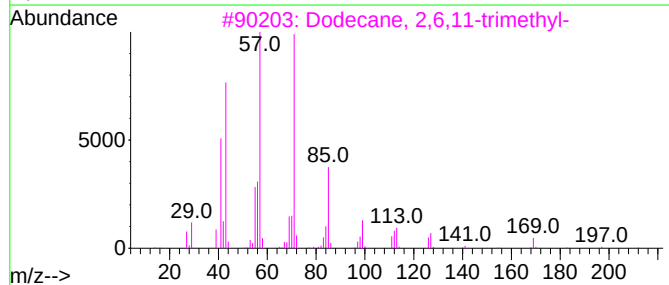
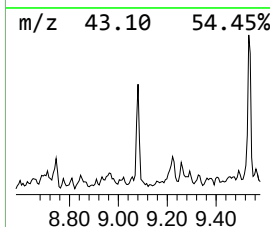
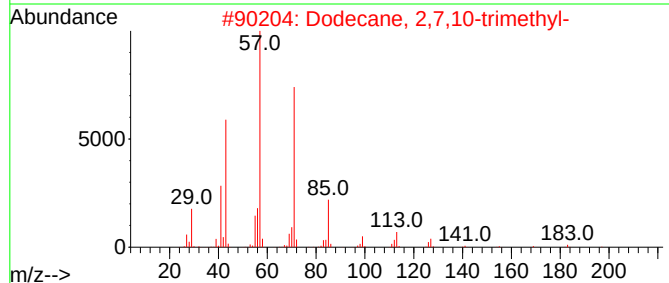
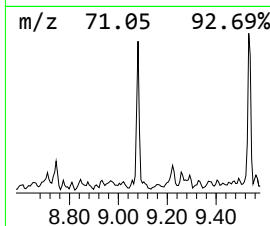
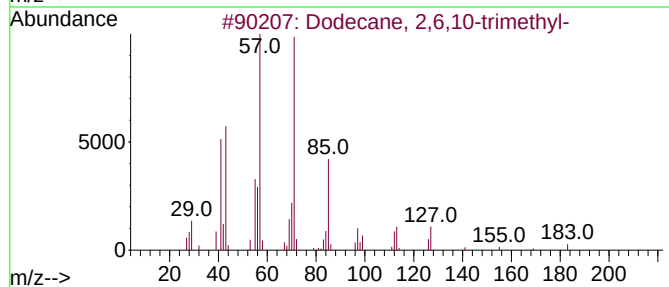
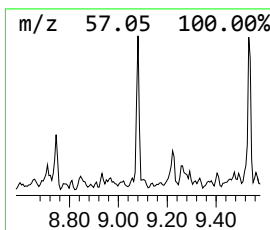
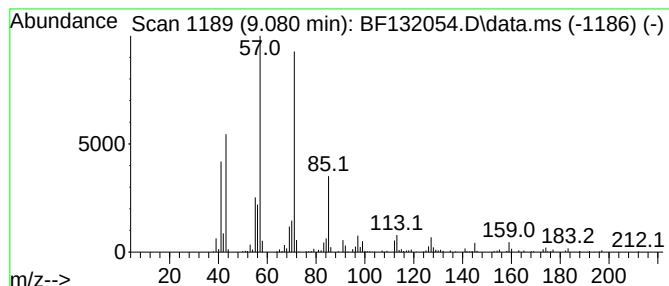
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Dodecane, 2,6,10-trimethyl- Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 9.080 | 8.75 ng | 233912 | Acenaphthene-d10 | 9.822 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Dodecane, 2,6,10-trimethyl- | 212 | C15H32  | 003891-98-3 | 91   |
| 2    |    |   | Dodecane, 2,7,10-trimethyl- | 212 | C15H32  | 074645-98-0 | 90   |
| 3    |    |   | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 83   |
| 4    |    |   | Dodecane, 4,6-dimethyl-     | 198 | C14H30  | 061141-72-8 | 53   |
| 5    |    |   | Octane, 6-ethyl-2-methyl-   | 156 | C11H24  | 062016-19-7 | 50   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011223\  
Data File : BF132054.D  
Acq On : 12 Jan 2023 21:59  
Operator : CG\JU  
Sample : 01122-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PAT-03-011123

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

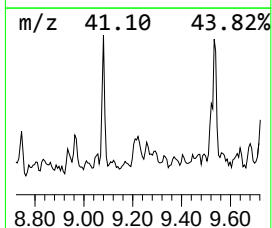
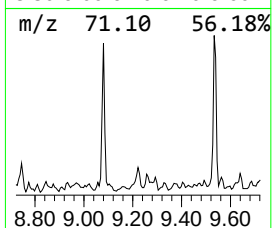
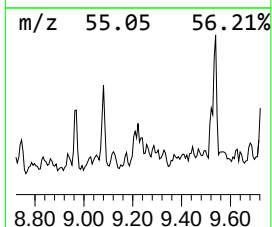
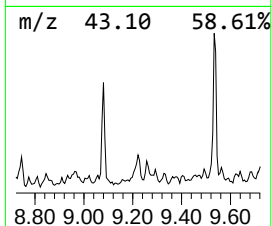
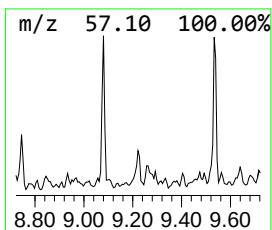
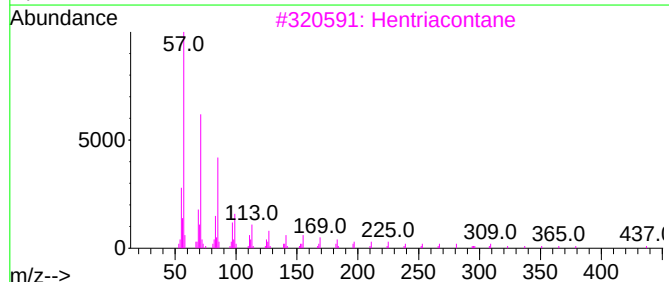
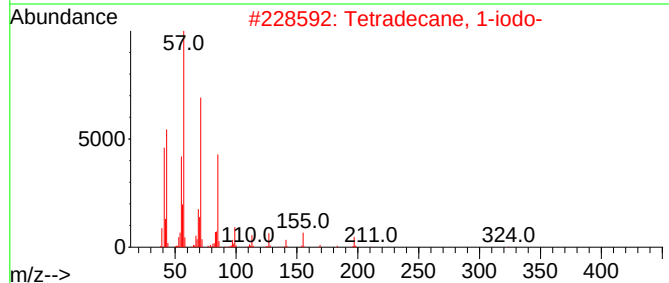
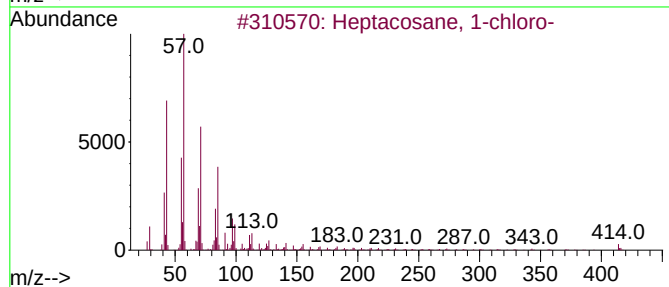
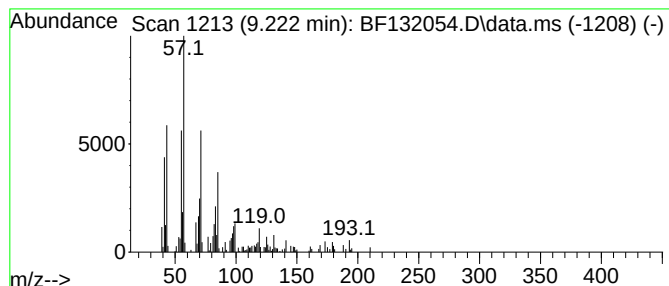
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Heptacosane, 1-chloro- Concentration Rank 19

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 9.222 | 5.06 ng | 135328 | Acenaphthene-d10 | 9.822 |

| Hit# | of | 5 | Tentative ID            | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------|-----|----------|--------------|------|
| 1    |    |   | Heptacosane, 1-chloro-  | 414 | C27H55Cl | 062016-79-9  | 64   |
| 2    |    |   | Tetradecane, 1-iodo-    | 324 | C14H29I  | 019218-94-1  | 53   |
| 3    |    |   | Hentriacontane          | 437 | C31H64   | 000630-04-6  | 53   |
| 4    |    |   | Heptyl tetradecyl ether | 312 | C21H44O  | 1000406-39-3 | 53   |
| 5    |    |   | Heneicosane             | 296 | C21H44   | 000629-94-7  | 47   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011223\  
Data File : BF132054.D  
Acq On : 12 Jan 2023 21:59  
Operator : CG\JU  
Sample : 01122-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PAT-03-011123

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
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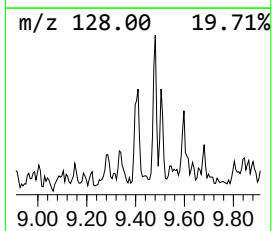
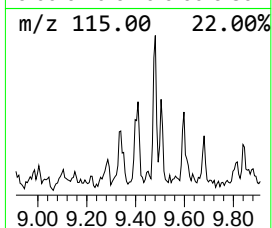
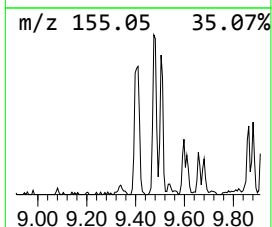
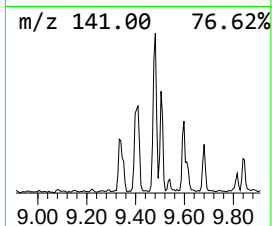
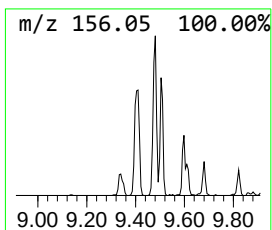
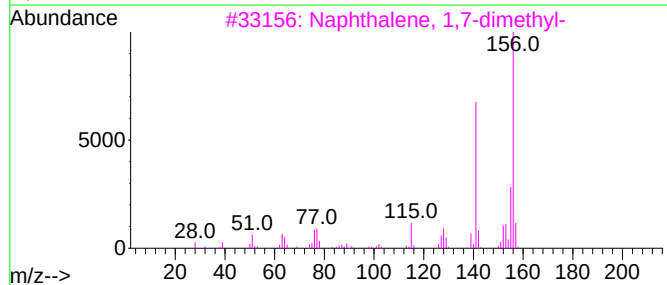
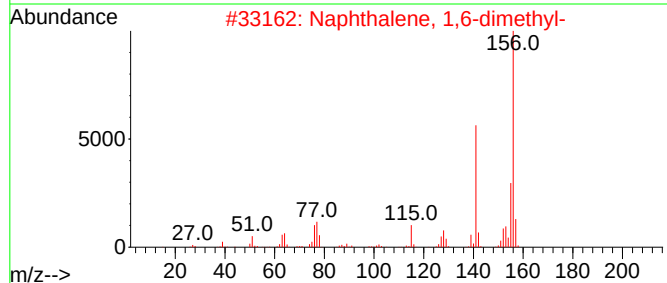
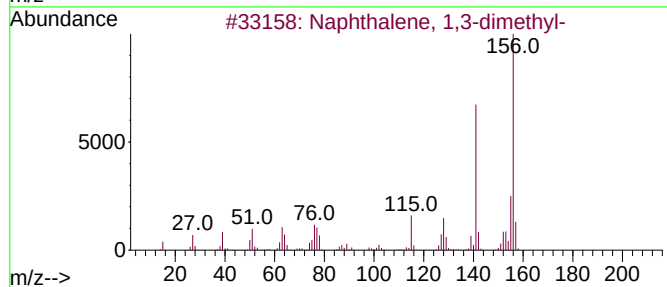
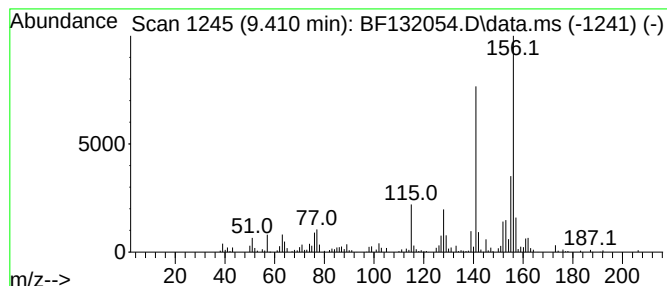
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Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 9.410 | 8.38 ng | 223868 | Acenaphthene-d10 | 9.822 |

| Hit# | of 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------|-----|---------|-------------|------|
| 1    |      | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 95   |
| 2    |      | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 95   |
| 3    |      | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 95   |
| 4    |      | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 95   |
| 5    |      | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 94   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011223\  
Data File : BF132054.D  
Acq On : 12 Jan 2023 21:59  
Operator : CG\JU  
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Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PAT-03-011123

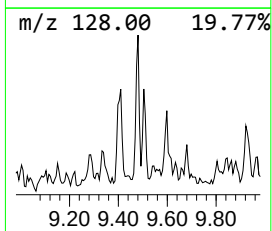
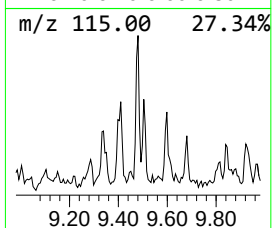
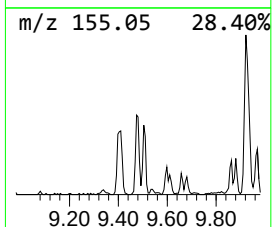
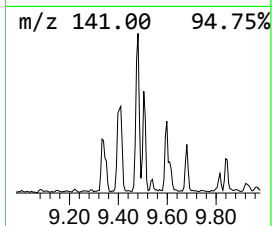
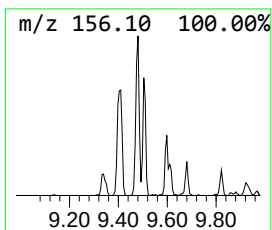
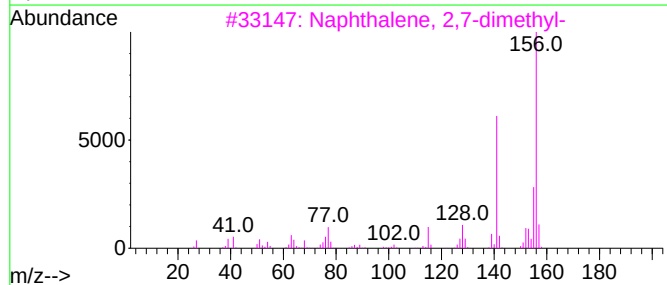
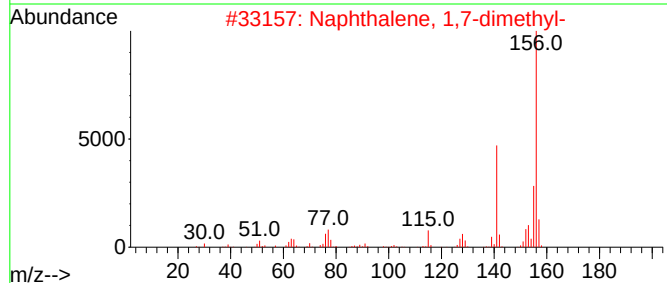
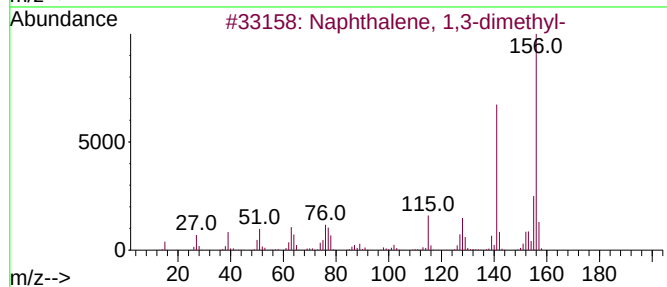
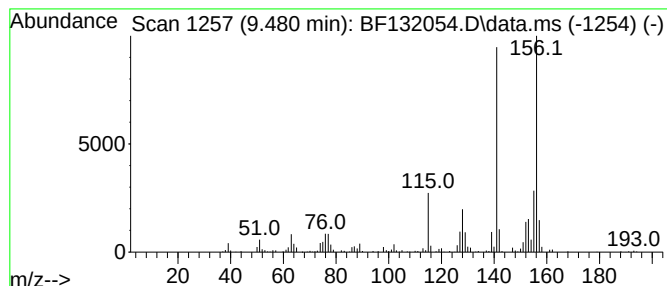
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Naphthalene, 1,7-dimethyl- Concentration Rank 4

| R.T.      | EstConc                    | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|----------------------------|--------|------------------|---------|-------------|------|
| 9.480     | 9.28 ng                    | 247978 | Acenaphthene-d10 |         | 9.822       |      |
| Hit# of 5 | Tentative ID               |        | MW               | MolForm | CAS#        | Qual |
| 1         | Naphthalene, 1,3-dimethyl- |        | 156              | C12H12  | 000575-41-7 | 97   |
| 2         | Naphthalene, 1,7-dimethyl- |        | 156              | C12H12  | 000575-37-1 | 96   |
| 3         | Naphthalene, 2,7-dimethyl- |        | 156              | C12H12  | 000582-16-1 | 96   |
| 4         | Naphthalene, 2,3-dimethyl- |        | 156              | C12H12  | 000581-40-8 | 96   |
| 5         | Naphthalene, 1,6-dimethyl- |        | 156              | C12H12  | 000575-43-9 | 96   |



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Data File : BF132054.D  
Acq On : 12 Jan 2023 21:59  
Operator : CG\JU  
Sample : 01122-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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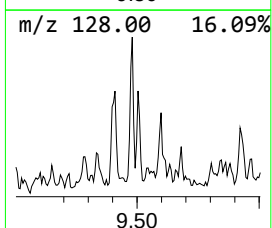
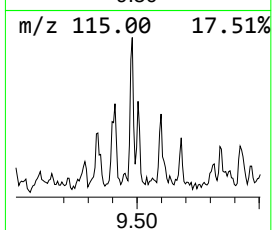
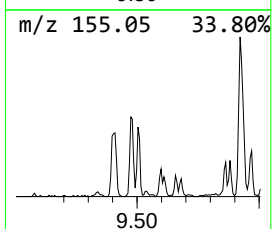
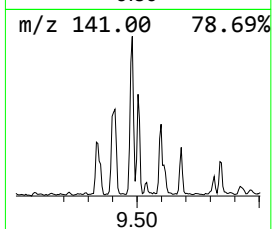
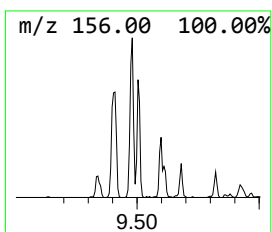
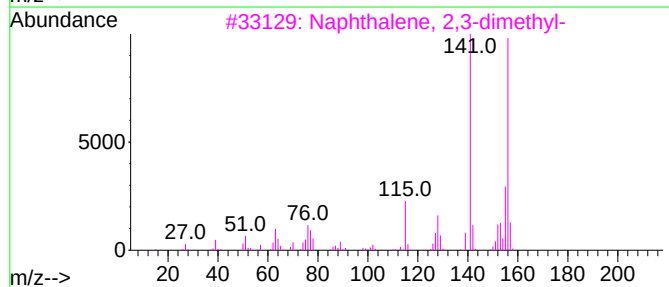
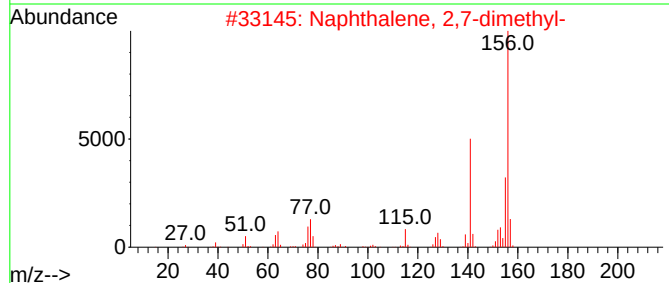
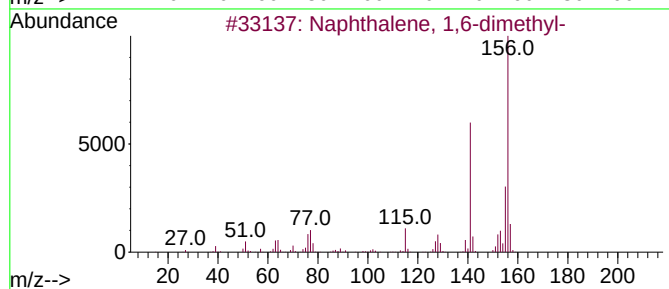
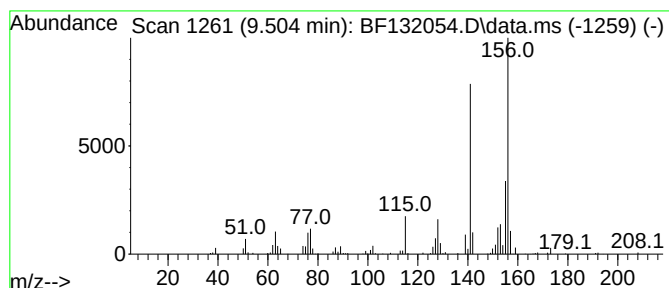
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 Naphthalene, 1,6-dimethyl- Concentration Rank 17

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 9.504 | 5.54 ng | 148020 | Acenaphthene-d10 | 9.822 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 2    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 3    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 96   |
| 4    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |
| 5    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 96   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011223\  
Data File : BF132054.D  
Acq On : 12 Jan 2023 21:59  
Operator : CG\JU  
Sample : 01122-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PAT-03-011123

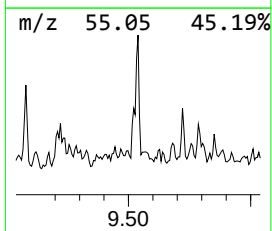
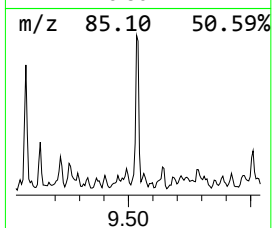
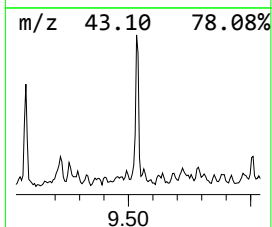
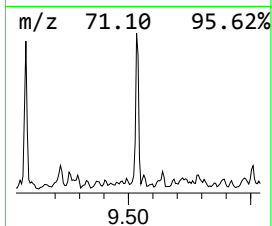
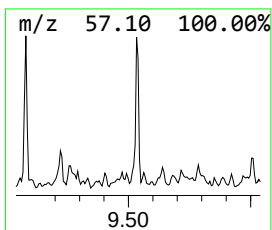
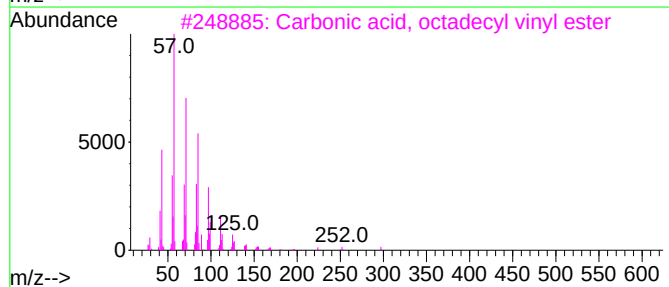
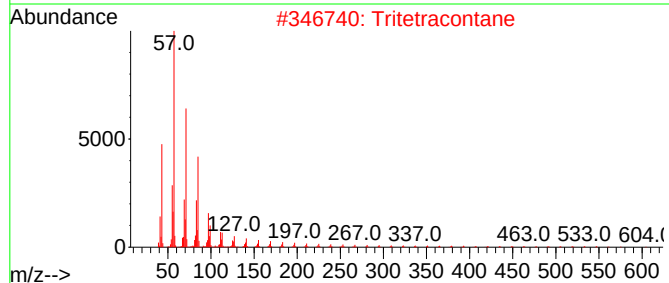
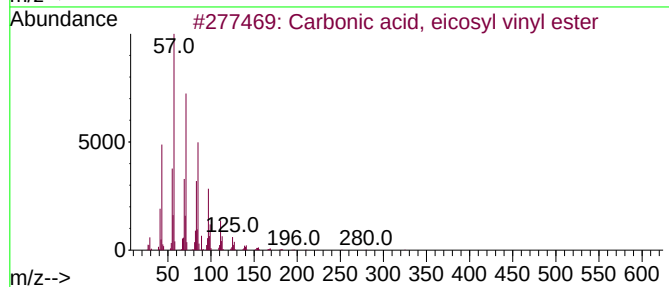
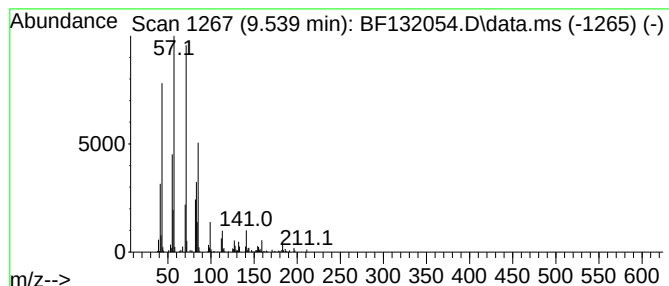
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Carbonic acid, eicosyl vinyl... Concentration Rank 5

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 9.539     | 9.14 ng                             | 244316 | Acenaphthene-d10 | 9.822        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Carbonic acid, eicosyl vinyl ester  | 368    | C23H44O3         | 1000382-54-3 | 83   |
| 2         | Tritetracontane                     | 605    | C43H88           | 007098-21-7  | 80   |
| 3         | Carbonic acid, octadecyl vinyl e... | 340    | C21H40O3         | 1000382-54-4 | 80   |
| 4         | Nonadecane                          | 268    | C19H40           | 000629-92-5  | 72   |
| 5         | Hexadecane                          | 226    | C16H34           | 000544-76-3  | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011223\  
Data File : BF132054.D  
Acq On : 12 Jan 2023 21:59  
Operator : CG\JU  
Sample : 01122-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PAT-03-011123

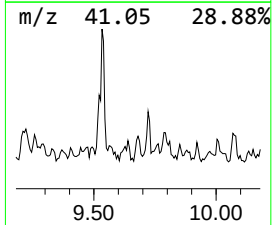
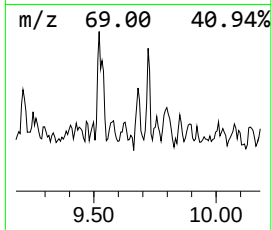
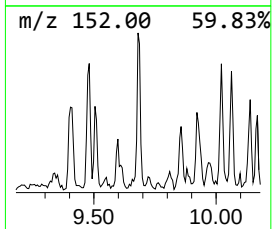
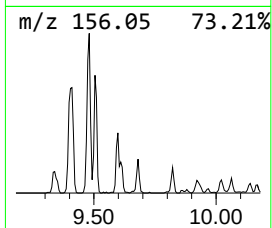
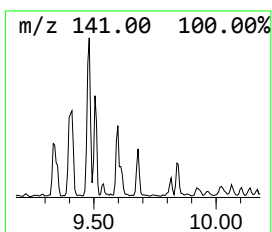
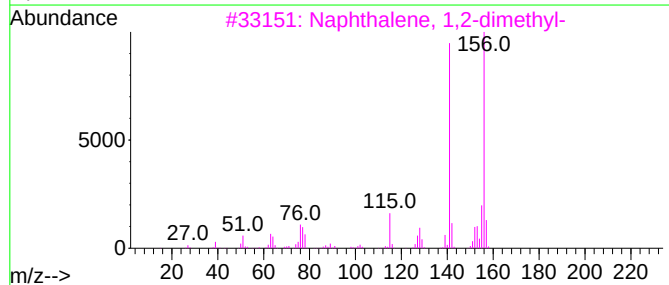
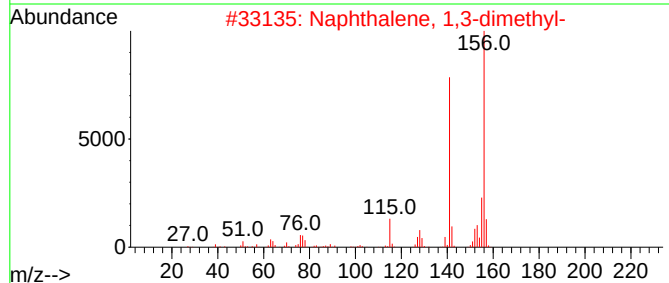
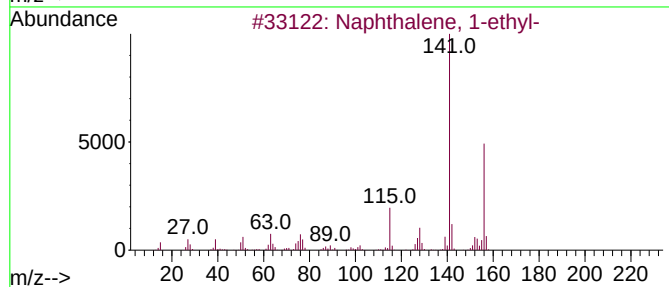
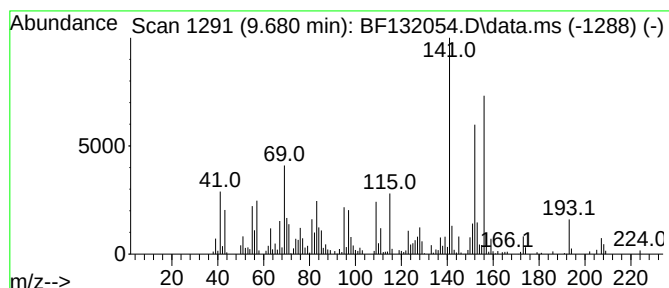
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Naphthalene, 1-ethyl- Concentration Rank 20

| R.T.      | EstConc                    | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------------|--------|------------------|-------------|------|
| 9.680     | 4.75 ng                    | 126949 | Acenaphthene-d10 | 9.822       |      |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#        | Qual |
| 1         | Naphthalene, 1-ethyl-      | 156    | C12H12           | 001127-76-0 | 78   |
| 2         | Naphthalene, 1,3-dimethyl- | 156    | C12H12           | 000575-41-7 | 78   |
| 3         | Naphthalene, 1,2-dimethyl- | 156    | C12H12           | 000573-98-8 | 78   |
| 4         | Naphthalene, 2,3-dimethyl- | 156    | C12H12           | 000581-40-8 | 78   |
| 5         | Naphthalene, 1,8-dimethyl- | 156    | C12H12           | 000569-41-5 | 70   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011223\  
Data File : BF132054.D  
Acq On : 12 Jan 2023 21:59  
Operator : CG\JU  
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Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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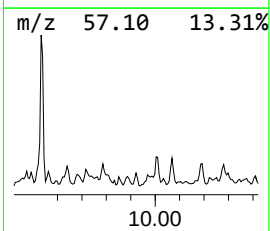
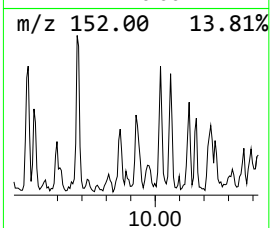
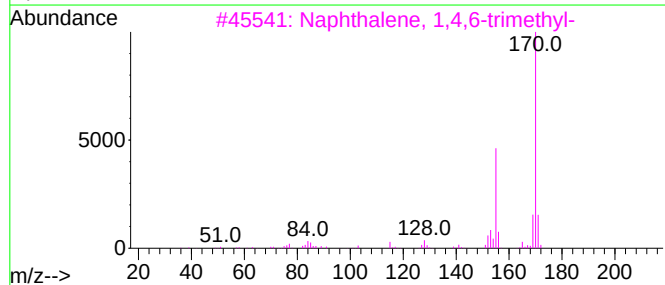
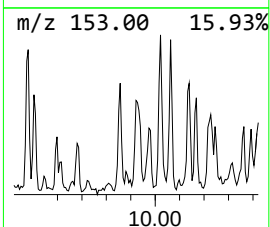
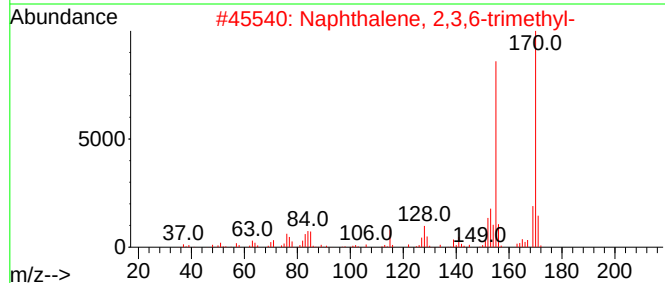
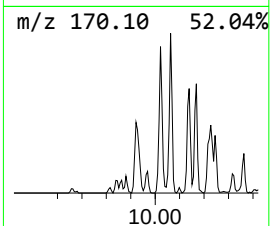
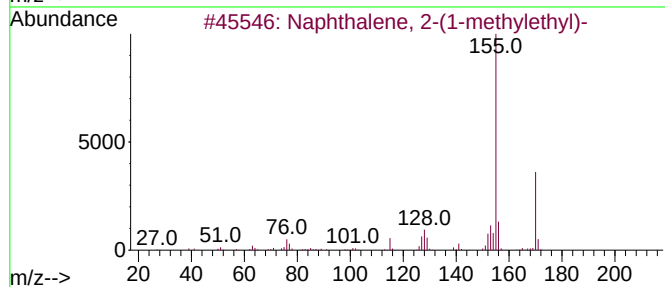
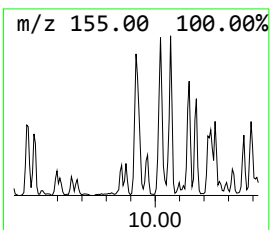
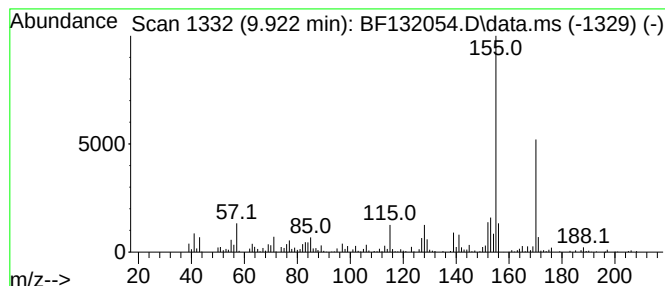
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Naphthalene, 2-(1-methyleth... Concentration Rank 15

| R.T.      | EstConc                         | Area   | Relative to ISTD |         |              | R.T.  |
|-----------|---------------------------------|--------|------------------|---------|--------------|-------|
| 9.922     | 6.14 ng                         | 164109 | Acenaphthene-d10 |         |              | 9.822 |
| Hit# of 5 | Tentative ID                    |        | MW               | MolForm | CAS#         | Qual  |
| 1         | Naphthalene, 2-(1-methylethyl)- |        | 170              | C13H14  | 002027-17-0  | 94    |
| 2         | Naphthalene, 2,3,6-trimethyl-   |        | 170              | C13H14  | 000829-26-5  | 94    |
| 3         | Naphthalene, 1,4,6-trimethyl-   |        | 170              | C13H14  | 002131-42-2  | 93    |
| 4         | Naphthalene, 1,6,7-trimethyl-   |        | 170              | C13H14  | 002245-38-7  | 90    |
| 5         | 3-(2-Methyl-propenyl)-1H-indene |        | 170              | C13H14  | 1000187-78-5 | 90    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011223\  
Data File : BF132054.D  
Acq On : 12 Jan 2023 21:59  
Operator : CG\JU  
Sample : 01122-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
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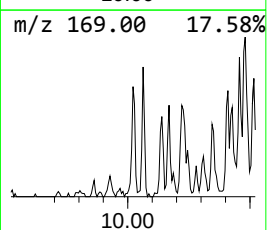
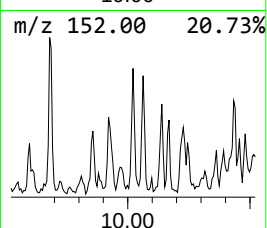
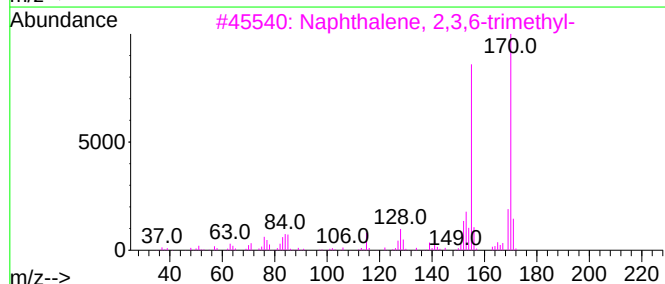
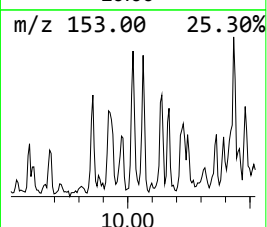
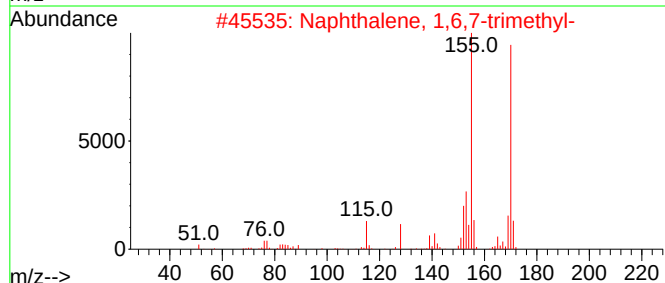
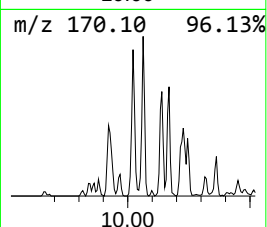
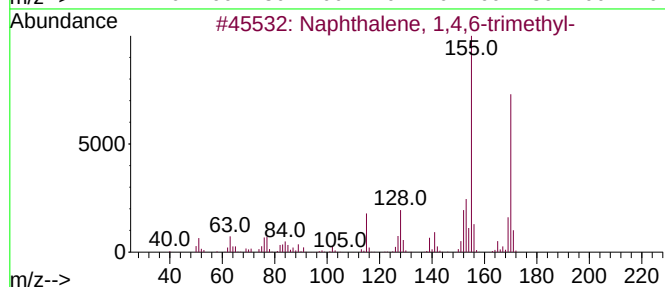
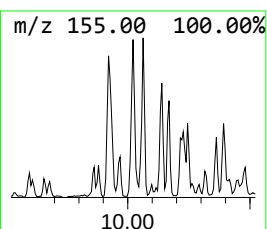
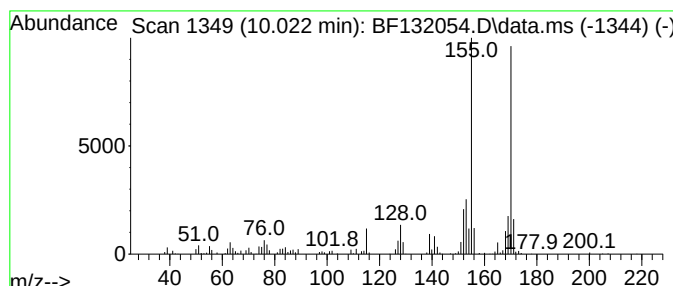
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TIC Integration Parameters: LSCINT.P

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Peak Number 12 Naphthalene, 1,4,6-trimethyl- Concentration Rank 9

| R.T.      | EstConc                       | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|-------------------------------|--------|------------------|---------|-------------|------|
| 10.022    | 8.03 ng                       | 214712 | Acenaphthene-d10 |         | 9.822       |      |
| Hit# of 5 | Tentative ID                  |        | MW               | MolForm | CAS#        | Qual |
| 1         | Naphthalene, 1,4,6-trimethyl- |        | 170              | C13H14  | 002131-42-2 | 96   |
| 2         | Naphthalene, 1,6,7-trimethyl- |        | 170              | C13H14  | 002245-38-7 | 95   |
| 3         | Naphthalene, 2,3,6-trimethyl- |        | 170              | C13H14  | 000829-26-5 | 95   |
| 4         | Naphthalene, 1,4,5-trimethyl- |        | 170              | C13H14  | 002131-41-1 | 93   |
| 5         | 4,6,8-Trimethylazulene        |        | 170              | C13H14  | 000941-81-1 | 93   |





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Acq On : 12 Jan 2023 21:59  
Operator : CG\JU  
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Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
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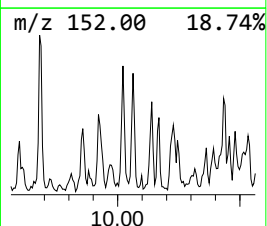
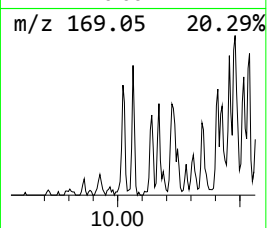
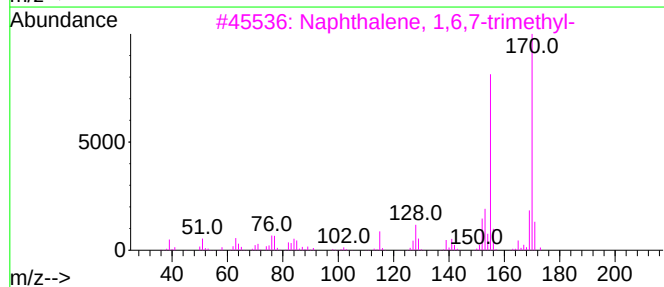
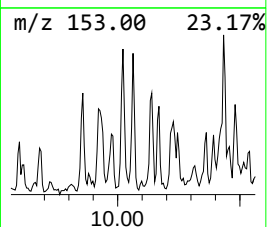
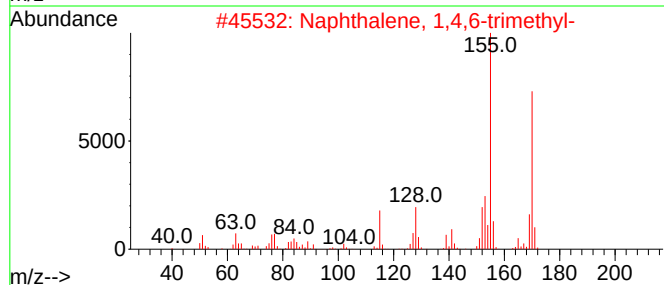
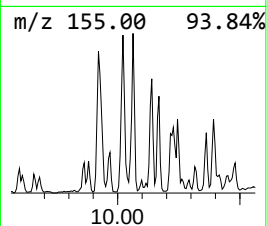
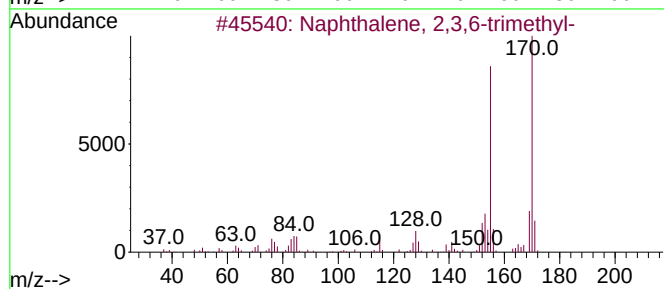
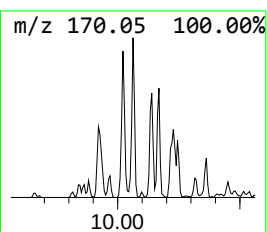
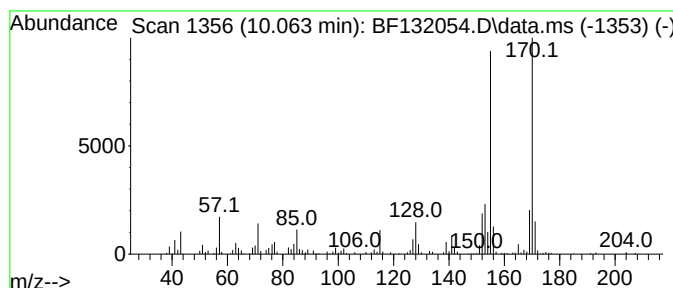
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 11

| R.T.      | EstConc                         | Area   | Relative to ISTD |         | R.T.         |      |
|-----------|---------------------------------|--------|------------------|---------|--------------|------|
| 10.063    | 6.89 ng                         | 184188 | Acenaphthene-d10 |         | 9.822        |      |
| Hit# of 5 | Tentative ID                    |        | MW               | MolForm | CAS#         | Qual |
| 1         | Naphthalene, 2,3,6-trimethyl-   |        | 170              | C13H14  | 000829-26-5  | 96   |
| 2         | Naphthalene, 1,4,6-trimethyl-   |        | 170              | C13H14  | 002131-42-2  | 96   |
| 3         | Naphthalene, 1,6,7-trimethyl-   |        | 170              | C13H14  | 002245-38-7  | 96   |
| 4         | Naphthalene, 1,4,5-trimethyl-   |        | 170              | C13H14  | 002131-41-1  | 91   |
| 5         | 3-(2-Methyl-propenyl)-1H-indene |        | 170              | C13H14  | 1000187-78-5 | 90   |



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Data File : BF132054.D  
Acq On : 12 Jan 2023 21:59  
Operator : CG\JU  
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Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
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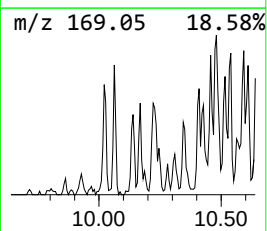
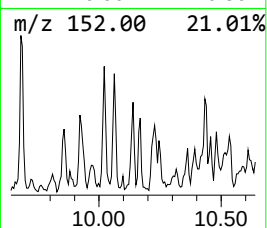
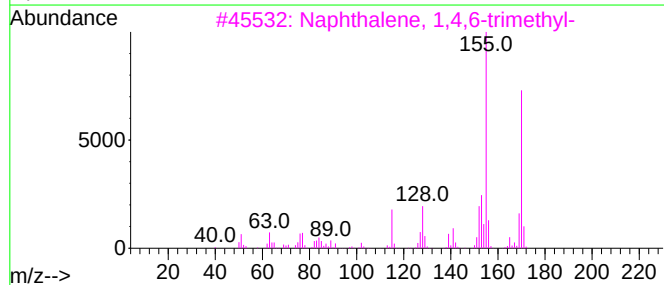
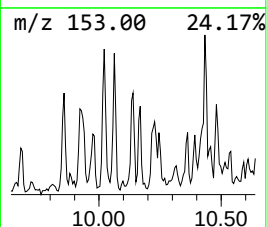
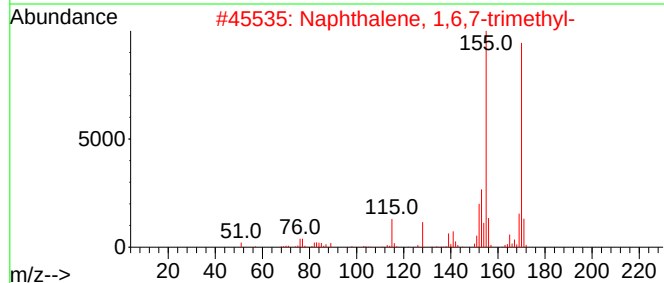
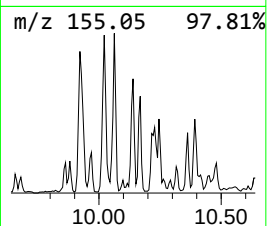
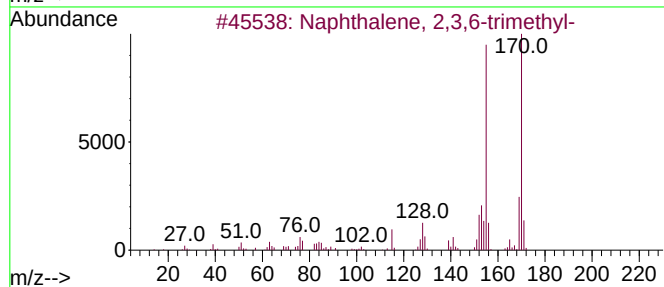
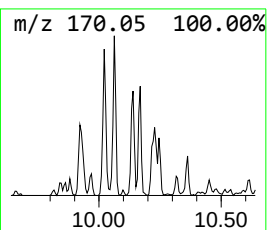
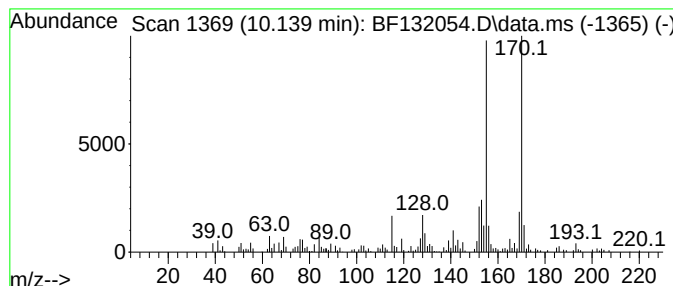
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Naphthalene, 1,6,7-trimethyl- Concentration Rank 12

| R.T.      | EstConc                         | Area   | Relative to ISTD |         | R.T.         |      |
|-----------|---------------------------------|--------|------------------|---------|--------------|------|
| 10.139    | 6.30 ng                         | 168316 | Acenaphthene-d10 |         | 9.822        |      |
| Hit# of 5 | Tentative ID                    |        | MW               | MolForm | CAS#         | Qual |
| 1         | Naphthalene, 2,3,6-trimethyl-   |        | 170              | C13H14  | 000829-26-5  | 97   |
| 2         | Naphthalene, 1,6,7-trimethyl-   |        | 170              | C13H14  | 002245-38-7  | 96   |
| 3         | Naphthalene, 1,4,6-trimethyl-   |        | 170              | C13H14  | 002131-42-2  | 96   |
| 4         | 4,6,8-Trimethylazulene          |        | 170              | C13H14  | 000941-81-1  | 94   |
| 5         | 3-(2-Methyl-propenyl)-1H-indene |        | 170              | C13H14  | 1000187-78-5 | 93   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011223\  
Data File : BF132054.D  
Acq On : 12 Jan 2023 21:59  
Operator : CG\JU  
Sample : 01122-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PAT-03-011123

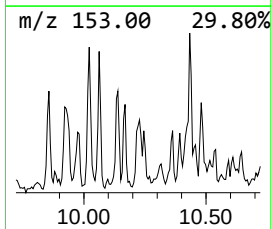
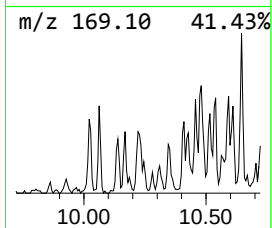
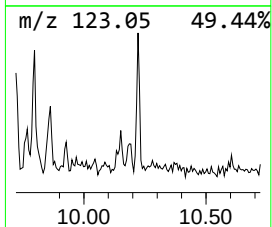
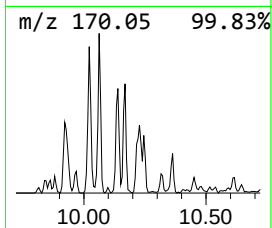
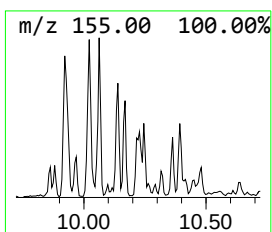
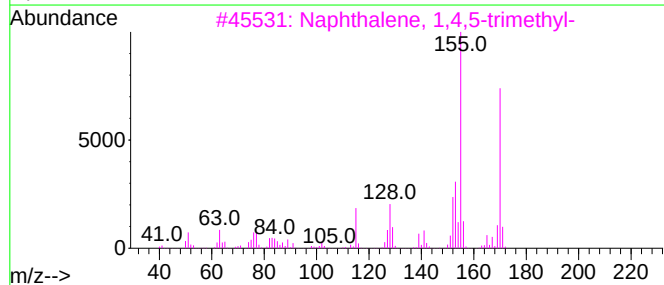
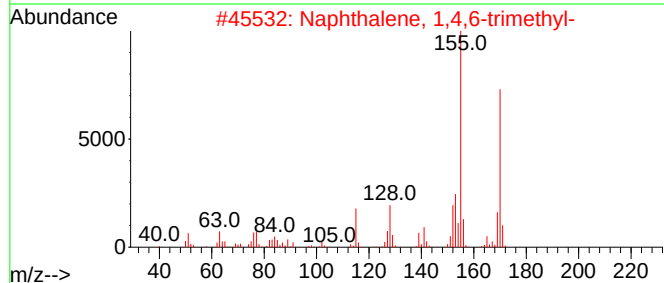
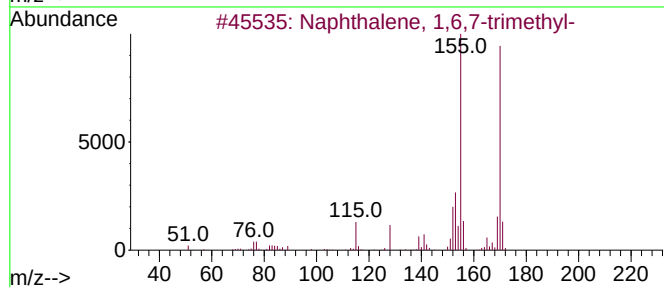
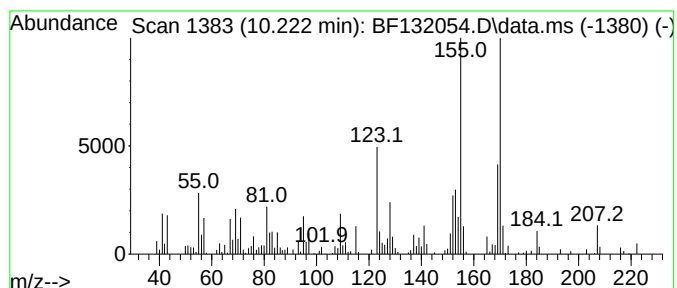
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Naphthalene, 1,4,5-trimethyl- Concentration Rank 16

| R.T.      | EstConc                       | Area   | Relative to ISTD |         |             | R.T.  |
|-----------|-------------------------------|--------|------------------|---------|-------------|-------|
| 10.222    | 5.58 ng                       | 149224 | Acenaphthene-d10 |         |             | 9.822 |
| Hit# of 5 | Tentative ID                  |        | MW               | MolForm | CAS#        | Qual  |
| 1         | Naphthalene, 1,6,7-trimethyl- |        | 170              | C13H14  | 002245-38-7 | 93    |
| 2         | Naphthalene, 1,4,6-trimethyl- |        | 170              | C13H14  | 002131-42-2 | 92    |
| 3         | Naphthalene, 1,4,5-trimethyl- |        | 170              | C13H14  | 002131-41-1 | 91    |
| 4         | Naphthalene, 2,3,6-trimethyl- |        | 170              | C13H14  | 000829-26-5 | 86    |
| 5         | 4,6,8-Trimethylazulene        |        | 170              | C13H14  | 000941-81-1 | 83    |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011223\  
Data File : BF132054.D  
Acq On : 12 Jan 2023 21:59  
Operator : CG\JU  
Sample : 01122-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PAT-03-011123

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

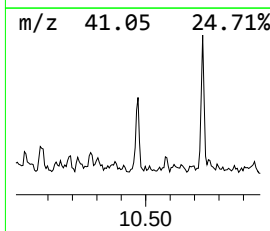
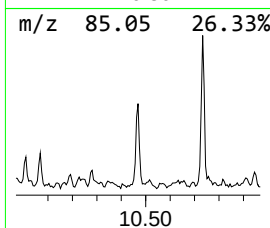
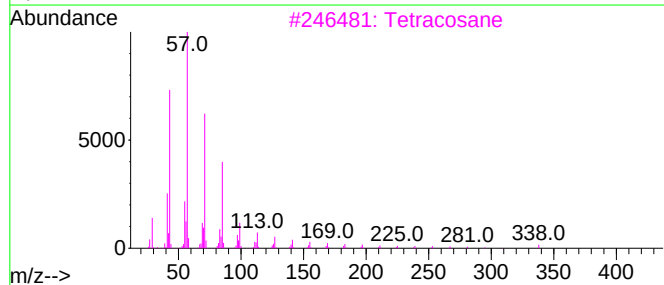
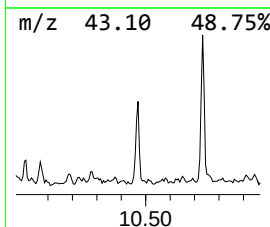
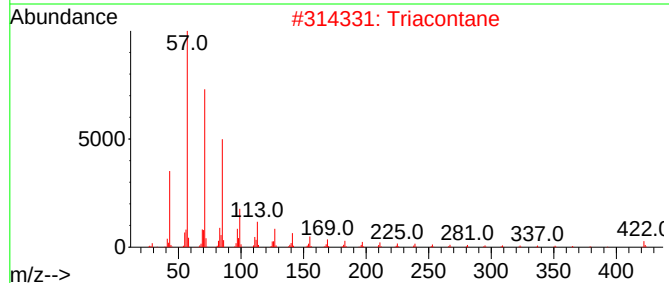
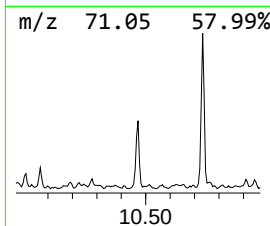
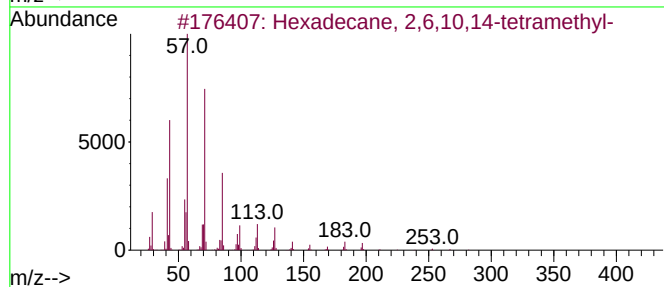
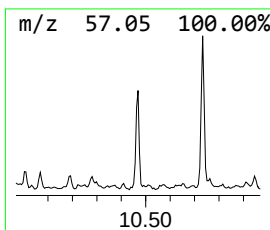
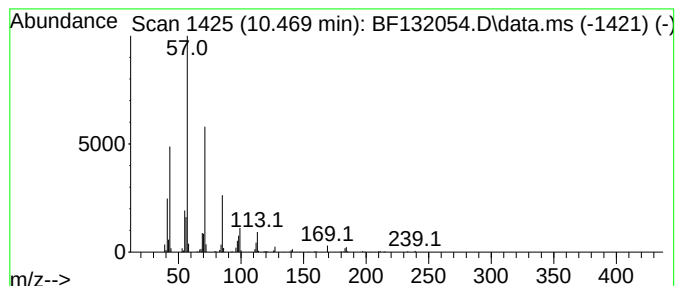
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Hexadecane, 2,6,10,14-tetra... Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.  |
|--------|---------|--------|------------------|-------|
| 10.469 | 9.94 ng | 265806 | Acenaphthene-d10 | 9.822 |

| Hit# | of 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|------|------------------------------------|-----|---------|-------------|------|
| 1    |      | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42  | 000638-36-8 | 86   |
| 2    |      | Triacontane                        | 422 | C30H62  | 000638-68-6 | 72   |
| 3    |      | Tetracosane                        | 338 | C24H50  | 000646-31-1 | 64   |
| 4    |      | Tridecane, 2-methyl-               | 198 | C14H30  | 001560-96-9 | 59   |
| 5    |      | Undecane, 2,5-dimethyl-            | 184 | C13H28  | 017301-22-3 | 53   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011223\  
Data File : BF132054.D  
Acq On : 12 Jan 2023 21:59  
Operator : CG\JU  
Sample : 01122-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PAT-03-011123

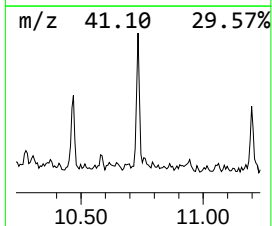
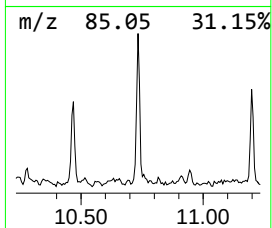
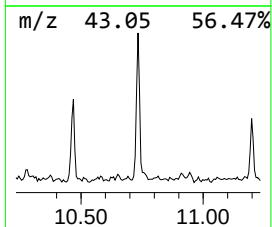
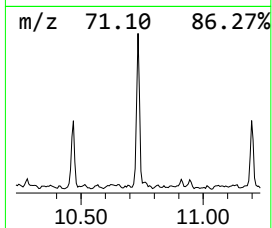
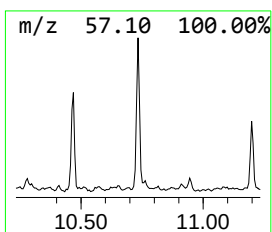
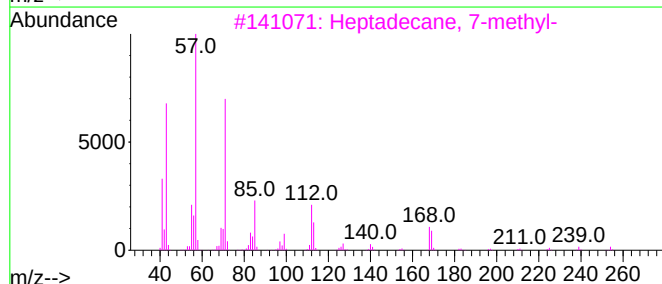
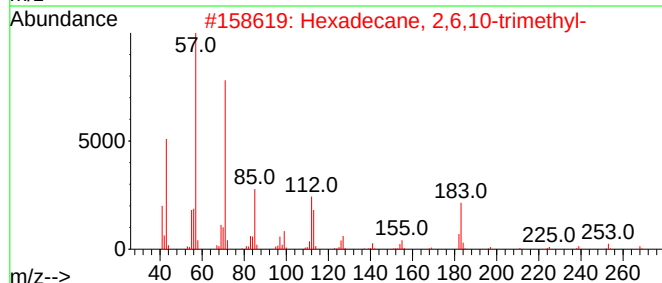
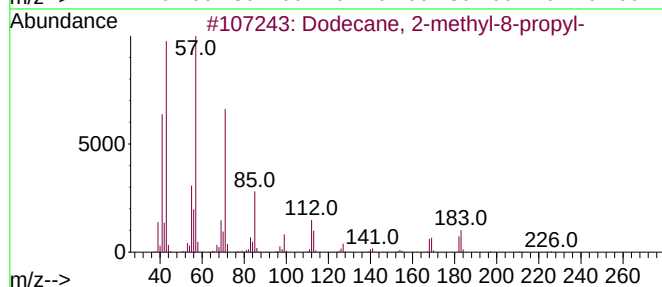
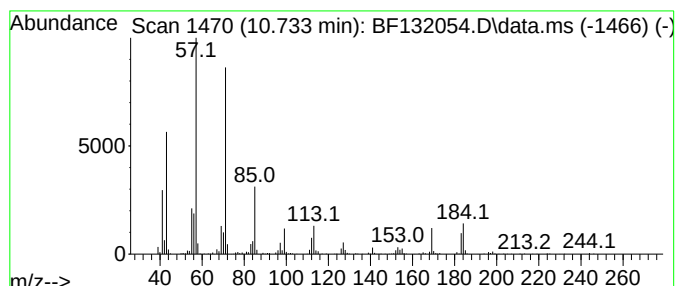
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Dodecane, 2-methyl-8-propyl- Concentration Rank 1

| R.T.      | EstConc                       | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|-------------------------------|--------|------------------|---------|-------------|------|
| 10.733    | 17.51 ng                      | 482772 | Phenanthrene-d10 |         | 11.310      |      |
| Hit# of 5 | Tentative ID                  |        | MW               | MolForm | CAS#        | Qual |
| 1         | Dodecane, 2-methyl-8-propyl-  |        | 226              | C16H34  | 055045-07-3 | 86   |
| 2         | Hexadecane, 2,6,10-trimethyl- |        | 268              | C19H40  | 055000-52-7 | 80   |
| 3         | Heptadecane, 7-methyl-        |        | 254              | C18H38  | 020959-33-5 | 80   |
| 4         | Dodecane, 2,6,11-trimethyl-   |        | 212              | C15H32  | 031295-56-4 | 72   |
| 5         | Dodecane, 2,7,10-trimethyl-   |        | 212              | C15H32  | 074645-98-0 | 64   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011223\  
Data File : BF132054.D  
Acq On : 12 Jan 2023 21:59  
Operator : CG\JU  
Sample : 01122-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PAT-03-011123

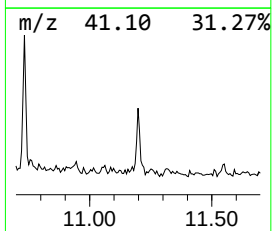
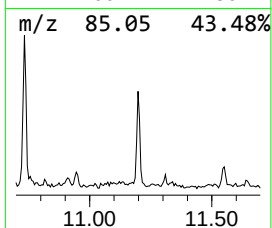
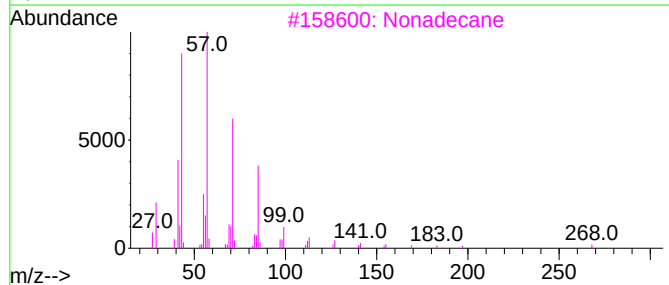
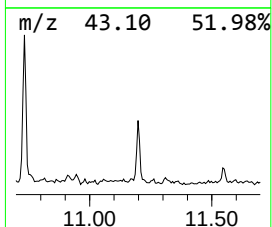
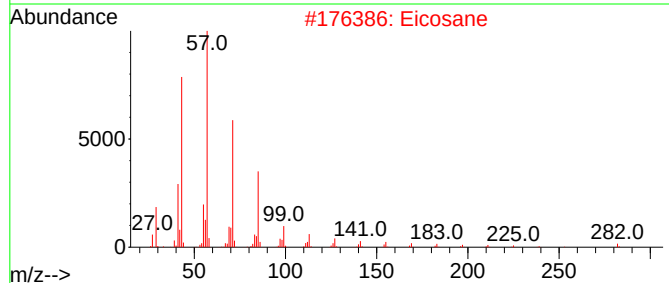
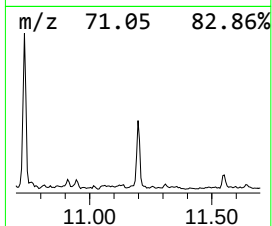
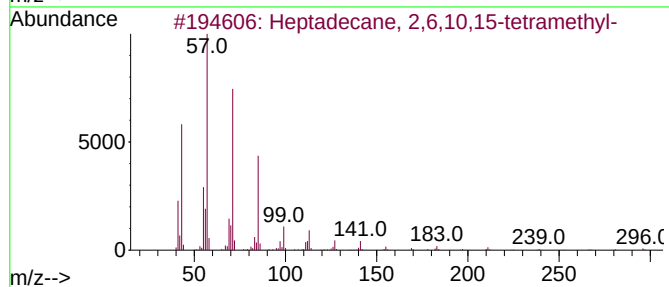
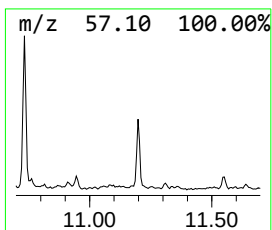
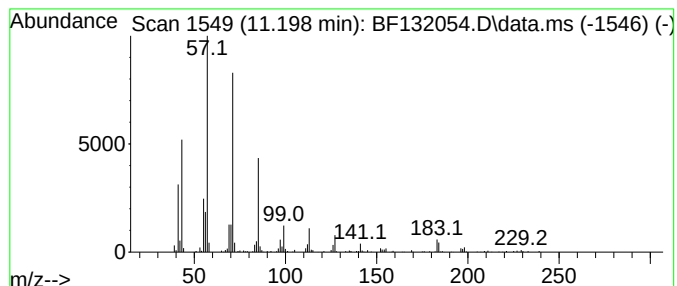
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Heptadecane, 2,6,10,15-tetr... Concentration Rank 6

| R.T.      | EstConc                             | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|-------------------------------------|--------|------------------|---------|-------------|------|
| 11.198    | 9.04 ng                             | 249345 | Phenanthrene-d10 |         | 11.310      |      |
| Hit# of 5 | Tentative ID                        |        | MW               | MolForm | CAS#        | Qual |
| 1         | Heptadecane, 2,6,10,15-tetramethyl- |        | 296              | C21H44  | 054833-48-6 | 87   |
| 2         | Eicosane                            |        | 282              | C20H42  | 000112-95-8 | 86   |
| 3         | Nonadecane                          |        | 268              | C19H40  | 000629-92-5 | 86   |
| 4         | Tetradecane, 1-iodo-                |        | 324              | C14H29I | 019218-94-1 | 86   |
| 5         | Tridecane                           |        | 184              | C13H28  | 000629-50-5 | 74   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011223\  
Data File : BF132054.D  
Acq On : 12 Jan 2023 21:59  
Operator : CG\JU  
Sample : 01122-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PAT-03-011123

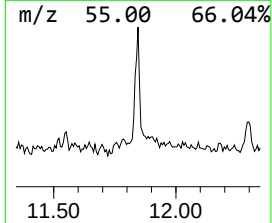
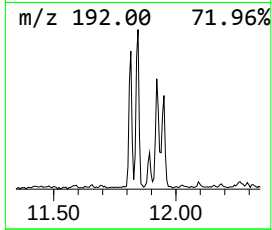
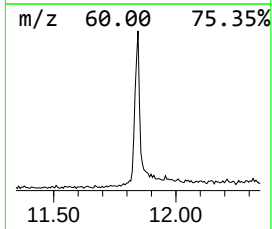
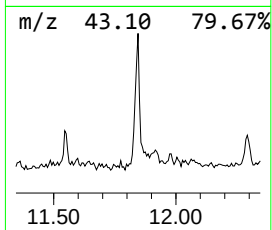
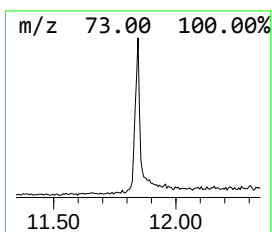
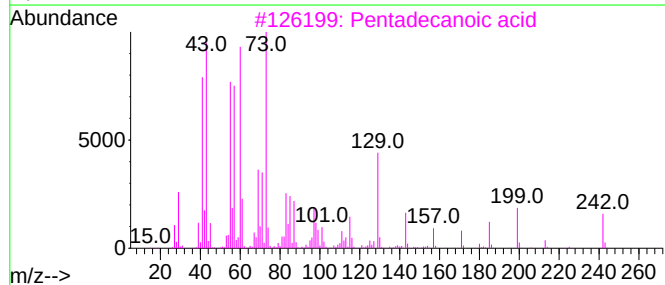
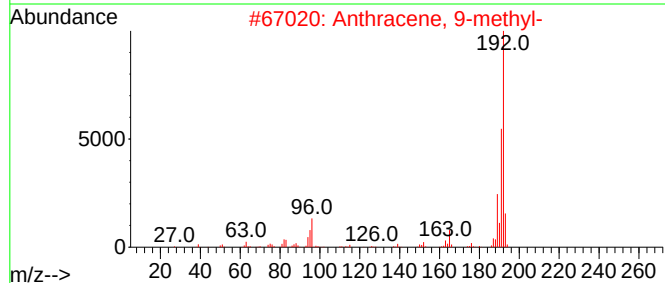
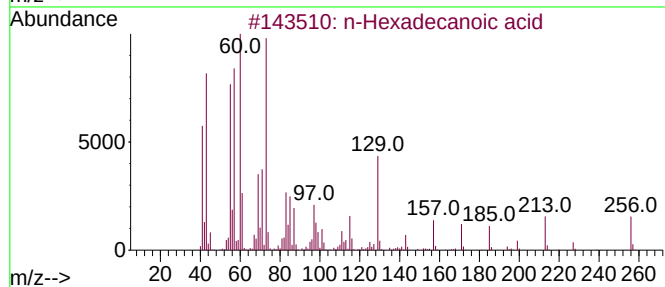
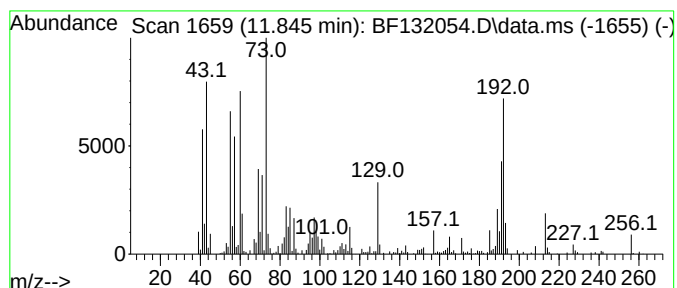
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 n-Hexadecanoic acid Concentration Rank 2

| R.T.      | EstConc               | Area   | Relative to ISTD | R.T.        |      |
|-----------|-----------------------|--------|------------------|-------------|------|
| 11.845    | 12.12 ng              | 334148 | Phenanthrene-d10 | 11.310      |      |
| Hit# of 5 | Tentative ID          | MW     | MolForm          | CAS#        | Qual |
| 1         | n-Hexadecanoic acid   | 256    | C16H32O2         | 000057-10-3 | 97   |
| 2         | Anthracene, 9-methyl- | 192    | C15H12           | 000779-02-2 | 60   |
| 3         | Pentadecanoic acid    | 242    | C15H30O2         | 001002-84-2 | 50   |
| 4         | Anthracene, 1-methyl- | 192    | C15H12           | 000610-48-0 | 48   |
| 5         | Tetradecanoic acid    | 228    | C14H28O2         | 000544-63-8 | 45   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011223\  
Data File : BF132054.D  
Acq On : 12 Jan 2023 21:59  
Operator : CG\JU  
Sample : 01122-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PAT-03-011123

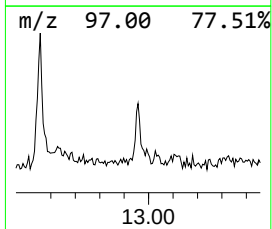
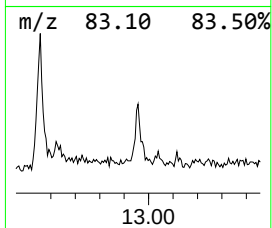
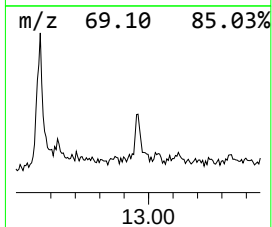
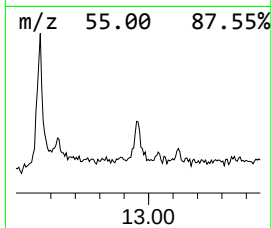
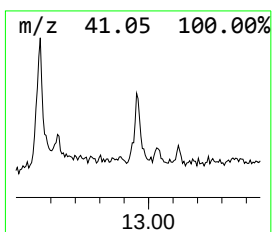
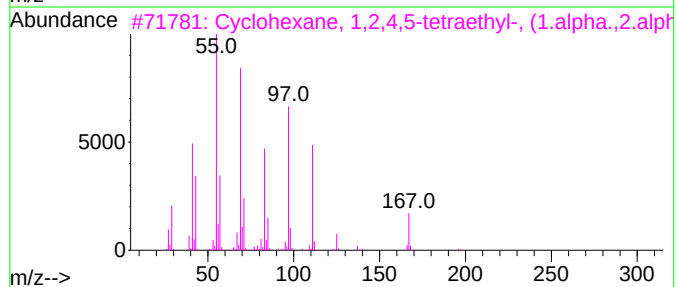
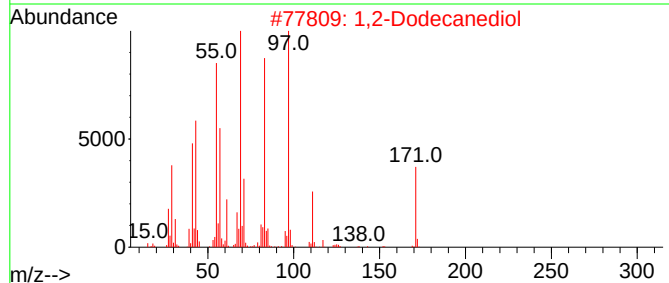
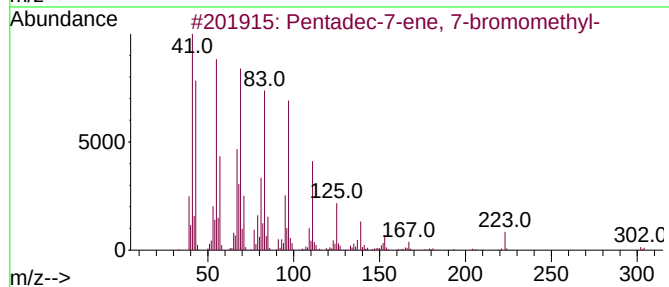
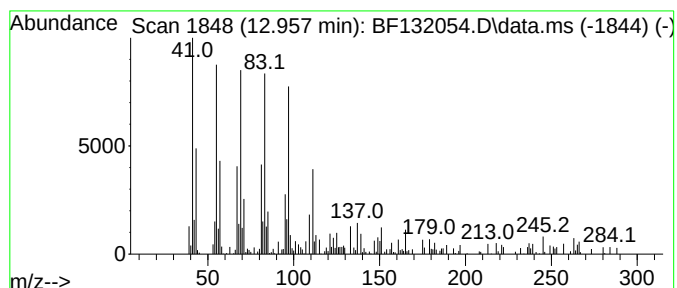
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Pentadec-7-ene, 7-bromomethyl- Concentration Rank 10

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 12.957    | 7.24 ng                             | 158779 | Chrysene-d12     | 13.963       |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Pentadec-7-ene, 7-bromomethyl-      | 302    | C16H31Br         | 1000259-58-5 | 91   |
| 2         | 1,2-Dodecanediol                    | 202    | C12H26O2         | 001119-87-5  | 53   |
| 3         | Cyclohexane, 1,2,4,5-tetraethyl-... | 196    | C14H28           | 061142-24-3  | 47   |
| 4         | 2-Thiopheneacetic acid, 2-ethylc... | 252    | C14H20O2S        | 1000278-96-1 | 46   |
| 5         | 3-Octadecene, (E)-                  | 252    | C18H36           | 007206-19-1  | 38   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF011223\  
Data File : BF132054.D  
Acq On : 12 Jan 2023 21:59  
Operator : CG\JU  
Sample : 01122-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PAT-03-011123

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF010923.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| 2-Pentanone, 4-... | 4.951  | 5.5     | ng    | 125857   | 1                     | 6.775  | 456337 | 20.0 |
| Undecane, 2,6-d... | 8.116  | 6.2     | ng    | 191926   | 2                     | 8.063  | 618302 | 20.0 |
| Heptane, 5-ethy... | 8.481  | 6.2     | ng    | 190213   | 2                     | 8.063  | 618302 | 20.0 |
| Dodecane, 2,6,1... | 9.080  | 8.8     | ng    | 233912   | 3                     | 9.822  | 534564 | 20.0 |
| Heptacosane, 1-... | 9.222  | 5.1     | ng    | 135328   | 3                     | 9.822  | 534564 | 20.0 |
| Naphthalene, 1,... | 9.410  | 8.4     | ng    | 223868   | 3                     | 9.822  | 534564 | 20.0 |
| Naphthalene, 1,... | 9.480  | 9.3     | ng    | 247978   | 3                     | 9.822  | 534564 | 20.0 |
| Naphthalene, 1,... | 9.504  | 5.5     | ng    | 148020   | 3                     | 9.822  | 534564 | 20.0 |
| Carbonic acid, ... | 9.539  | 9.1     | ng    | 244316   | 3                     | 9.822  | 534564 | 20.0 |
| Naphthalene, 1-... | 9.680  | 4.8     | ng    | 126949   | 3                     | 9.822  | 534564 | 20.0 |
| Naphthalene, 2-... | 9.922  | 6.1     | ng    | 164109   | 3                     | 9.822  | 534564 | 20.0 |
| Naphthalene, 1,... | 10.022 | 8.0     | ng    | 214712   | 3                     | 9.822  | 534564 | 20.0 |
| Naphthalene, 2,... | 10.063 | 6.9     | ng    | 184188   | 3                     | 9.822  | 534564 | 20.0 |
| Naphthalene, 1,... | 10.139 | 6.3     | ng    | 168316   | 3                     | 9.822  | 534564 | 20.0 |
| Naphthalene, 1,... | 10.222 | 5.6     | ng    | 149224   | 3                     | 9.822  | 534564 | 20.0 |
| Hexadecane, 2,6... | 10.469 | 9.9     | ng    | 265806   | 3                     | 9.822  | 534564 | 20.0 |
| Dodecane, 2-met... | 10.733 | 17.5    | ng    | 482772   | 4                     | 11.310 | 551482 | 20.0 |
| Heptadecane, 2,... | 11.198 | 9.0     | ng    | 249345   | 4                     | 11.310 | 551482 | 20.0 |
| n-Hexadecanoic ... | 11.845 | 12.1    | ng    | 334148   | 4                     | 11.310 | 551482 | 20.0 |
| Pentadec-7-ene,... | 12.957 | 7.2     | ng    | 158779   | 5                     | 13.963 | 438715 | 20.0 |