

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF011719\  
 Data File : BF112090.D  
 Acq On : 17 Jan 2019 15:38  
 Operator : JU/SJ  
 Sample : K1167-11  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CLOVER-YARD-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-BF011619.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         | 2.169       | 9             | 14          | 20           | rVB      | 194435         | 269430        | 3.28%           | 0.264%        |
| 2         | 3.416       | 223           | 226         | 237          | rBV2     | 47792          | 149172        | 1.82%           | 0.146%        |
| 3         | 5.092       | 507           | 511         | 519          | rBV      | 353509         | 479293        | 5.84%           | 0.470%        |
| 4         | 5.351       | 552           | 555         | 560          | rBV      | 167362         | 148559        | 1.81%           | 0.146%        |
| 5         | 5.504       | 576           | 581         | 584          | rBV      | 7070356        | 7259340       | 88.48%          | 7.120%        |
| 6         | 5.704       | 609           | 615         | 625          | rBV      | 382202         | 444571        | 5.42%           | 0.436%        |
| 7         | 6.398       | 729           | 733         | 735          | rBV2     | 123103         | 172083        | 2.10%           | 0.169%        |
| 8         | 6.510       | 747           | 752         | 760          | rBV      | 6858236        | 8204168       | 100.00%         | 8.047%        |
| 9         | 6.639       | 769           | 774         | 777          | rBV      | 8072079        | 7913573       | 96.46%          | 7.762%        |
| 10        | 6.698       | 780           | 784         | 787          | rBV      | 392395         | 436674        | 5.32%           | 0.428%        |
| 11        | 6.739       | 788           | 791         | 796          | rVB2     | 176862         | 169822        | 2.07%           | 0.167%        |
| 12        | 6.863       | 808           | 812         | 819          | rVB      | 2164396        | 2143044       | 26.12%          | 2.102%        |
| 13        | 6.922       | 819           | 822         | 825          | rVB2     | 144559         | 151055        | 1.84%           | 0.148%        |
| 14        | 6.957       | 825           | 828         | 830          | rBV2     | 79519          | 97195         | 1.18%           | 0.095%        |
| 15        | 7.022       | 834           | 839         | 842          | rBV      | 6616481        | 6030464       | 73.50%          | 5.915%        |
| 16        | 7.133       | 853           | 858         | 862          | rVB2     | 288185         | 476951        | 5.81%           | 0.468%        |
| 17        | 7.257       | 873           | 879         | 882          | rBV4     | 252715         | 287746        | 3.51%           | 0.282%        |
| 18        | 7.292       | 882           | 885         | 891          | rVB5     | 120185         | 165873        | 2.02%           | 0.163%        |
| 19        | 7.422       | 896           | 907         | 910          | rBV      | 4525921        | 5354489       | 65.27%          | 5.252%        |
| 20        | 7.510       | 917           | 922         | 925          | rVB6     | 290342         | 477500        | 5.82%           | 0.468%        |
| 21        | 7.569       | 925           | 932         | 935          | rBV3     | 214824         | 400965        | 4.89%           | 0.393%        |
| 22        | 7.616       | 937           | 940         | 942          | rBV2     | 115318         | 110489        | 1.35%           | 0.108%        |
| 23        | 7.645       | 942           | 945         | 947          | rVV      | 358901         | 282495        | 3.44%           | 0.277%        |
| 24        | 7.669       | 947           | 949         | 952          | rVB2     | 359507         | 268416        | 3.27%           | 0.263%        |
| 25        | 7.698       | 952           | 954         | 955          | rBV2     | 172117         | 140379        | 1.71%           | 0.138%        |
| 26        | 7.716       | 955           | 957         | 959          | rVV      | 645647         | 482466        | 5.88%           | 0.473%        |
| 27        | 7.739       | 959           | 961         | 966          | rVB3     | 208453         | 258599        | 3.15%           | 0.254%        |
| 28        | 7.786       | 966           | 969         | 973          | rVB3     | 500993         | 419391        | 5.11%           | 0.411%        |
| 29        | 7.822       | 973           | 975         | 978          | rBV4     | 139225         | 153587        | 1.87%           | 0.151%        |
| 30        | 7.863       | 978           | 982         | 984          | rVB3     | 113736         | 141579        | 1.73%           | 0.139%        |
| 31        | 7.904       | 984           | 989         | 992          | rBV5     | 231394         | 422517        | 5.15%           | 0.414%        |
| 32        | 7.945       | 992           | 996         | 997          | rBV4     | 92455          | 124713        | 1.52%           | 0.122%        |
| 33        | 7.963       | 997           | 999         | 1005         | rVB6     | 267788         | 317139        | 3.87%           | 0.311%        |
| 34        | 8.027       | 1005          | 1010        | 1012         | rBV2     | 343728         | 443897        | 5.41%           | 0.435%        |

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Instrument :  
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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-BF011619.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 8.092  | 1018 | 1021 | 1025 | rBV4 | 215598  | 347193  | 4.23%  | 0.341% |
| 36 | 8.145  | 1025 | 1030 | 1033 | rBV  | 2674930 | 2695411 | 32.85% | 2.644% |
| 37 | 8.210  | 1037 | 1041 | 1043 | rVB  | 1135518 | 1100431 | 13.41% | 1.079% |
| 38 | 8.233  | 1043 | 1045 | 1048 | rBV4 | 331970  | 343374  | 4.19%  | 0.337% |
| 39 | 8.298  | 1053 | 1056 | 1058 | rBV3 | 260663  | 318449  | 3.88%  | 0.312% |
| 40 | 8.357  | 1062 | 1066 | 1068 | rBV2 | 894375  | 854855  | 10.42% | 0.838% |
| 41 | 8.416  | 1072 | 1076 | 1078 | rBV2 | 857541  | 912536  | 11.12% | 0.895% |
| 42 | 8.492  | 1086 | 1089 | 1091 | rBV2 | 305703  | 295684  | 3.60%  | 0.290% |
| 43 | 8.527  | 1093 | 1095 | 1098 | rVB4 | 226464  | 250929  | 3.06%  | 0.246% |
| 44 | 8.569  | 1098 | 1102 | 1104 | rBV  | 1817453 | 1584898 | 19.32% | 1.554% |
| 45 | 8.586  | 1104 | 1105 | 1107 | rVV  | 574300  | 476941  | 5.81%  | 0.468% |
| 46 | 8.610  | 1107 | 1109 | 1112 | rVB3 | 561839  | 489313  | 5.96%  | 0.480% |
| 47 | 8.651  | 1114 | 1116 | 1119 | rBV  | 268647  | 200931  | 2.45%  | 0.197% |
| 48 | 8.692  | 1119 | 1123 | 1127 | rBV2 | 611932  | 795050  | 9.69%  | 0.780% |
| 49 | 8.733  | 1128 | 1130 | 1134 | rVB4 | 298364  | 276955  | 3.38%  | 0.272% |
| 50 | 8.780  | 1135 | 1138 | 1140 | rBV4 | 308417  | 437608  | 5.33%  | 0.429% |
| 51 | 8.833  | 1144 | 1147 | 1149 | rVB  | 549428  | 543843  | 6.63%  | 0.533% |
| 52 | 8.892  | 1155 | 1157 | 1159 | rVB3 | 382385  | 291389  | 3.55%  | 0.286% |
| 53 | 8.927  | 1159 | 1163 | 1166 | rBV4 | 376316  | 606245  | 7.39%  | 0.595% |
| 54 | 9.027  | 1177 | 1180 | 1182 | rBV3 | 485988  | 586477  | 7.15%  | 0.575% |
| 55 | 9.051  | 1182 | 1184 | 1188 | rVB2 | 507119  | 541029  | 6.59%  | 0.531% |
| 56 | 9.139  | 1196 | 1199 | 1201 | rBV3 | 505717  | 408229  | 4.98%  | 0.400% |
| 57 | 9.169  | 1201 | 1204 | 1207 | rVV  | 1897655 | 1594941 | 19.44% | 1.564% |
| 58 | 9.222  | 1208 | 1213 | 1216 | rVB  | 8332916 | 7554577 | 92.08% | 7.410% |
| 59 | 9.304  | 1223 | 1227 | 1231 | rBV3 | 1015599 | 1421298 | 17.32% | 1.394% |
| 60 | 9.345  | 1231 | 1234 | 1237 | rBV  | 587323  | 603684  | 7.36%  | 0.592% |
| 61 | 9.416  | 1244 | 1246 | 1249 | rVB3 | 368714  | 315600  | 3.85%  | 0.310% |
| 62 | 9.492  | 1257 | 1259 | 1261 | rVB2 | 245088  | 170219  | 2.07%  | 0.167% |
| 63 | 9.580  | 1272 | 1274 | 1276 | rVB2 | 255205  | 201946  | 2.46%  | 0.198% |
| 64 | 9.622  | 1276 | 1281 | 1284 | rBV3 | 2232674 | 2969252 | 36.19% | 2.912% |
| 65 | 9.645  | 1284 | 1285 | 1288 | rVB2 | 202960  | 160768  | 1.96%  | 0.158% |
| 66 | 9.763  | 1302 | 1305 | 1309 | rBV2 | 566362  | 797355  | 9.72%  | 0.782% |
| 67 | 9.810  | 1311 | 1313 | 1316 | rVB  | 497293  | 449310  | 5.48%  | 0.441% |
| 68 | 9.869  | 1321 | 1323 | 1325 | rVV2 | 366508  | 404558  | 4.93%  | 0.397% |
| 69 | 9.898  | 1325 | 1328 | 1332 | rVB2 | 2771909 | 2596760 | 31.65% | 2.547% |
| 70 | 9.933  | 1332 | 1334 | 1336 | rBV2 | 231513  | 204545  | 2.49%  | 0.201% |
| 71 | 10.004 | 1344 | 1346 | 1351 | rVB2 | 241021  | 236899  | 2.89%  | 0.232% |

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Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CLOVER-YARD-B

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-BF011619.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 10.157 | 1369 | 1372 | 1378 | rVB2 | 386370  | 505010  | 6.16%  | 0.495% |
| 73  | 10.310 | 1396 | 1398 | 1399 | rBV  | 178941  | 138842  | 1.69%  | 0.136% |
| 74  | 10.351 | 1403 | 1405 | 1408 | rVB2 | 176183  | 183535  | 2.24%  | 0.180% |
| 75  | 10.551 | 1436 | 1439 | 1445 | rVB  | 475252  | 551060  | 6.72%  | 0.540% |
| 76  | 10.692 | 1459 | 1463 | 1466 | rBV  | 4696023 | 4272572 | 52.08% | 4.191% |
| 77  | 10.816 | 1479 | 1484 | 1487 | rBV  | 551745  | 575929  | 7.02%  | 0.565% |
| 78  | 11.280 | 1560 | 1563 | 1568 | rVB  | 195509  | 198356  | 2.42%  | 0.195% |
| 79  | 11.386 | 1577 | 1581 | 1583 | rBV  | 2356954 | 2066273 | 25.19% | 2.027% |
| 80  | 11.404 | 1583 | 1584 | 1591 | rVV  | 242621  | 268321  | 3.27%  | 0.263% |
| 81  | 11.457 | 1591 | 1593 | 1596 | rVB  | 111270  | 100836  | 1.23%  | 0.099% |
| 82  | 11.886 | 1663 | 1666 | 1668 | rBV2 | 100121  | 110837  | 1.35%  | 0.109% |
| 83  | 11.910 | 1668 | 1670 | 1673 | rVB2 | 142067  | 137553  | 1.68%  | 0.135% |
| 84  | 11.998 | 1682 | 1685 | 1687 | rBV2 | 121024  | 130148  | 1.59%  | 0.128% |
| 85  | 12.598 | 1784 | 1787 | 1791 | rVB  | 326371  | 260254  | 3.17%  | 0.255% |
| 86  | 12.692 | 1800 | 1803 | 1806 | rBV2 | 125411  | 119716  | 1.46%  | 0.117% |
| 87  | 12.827 | 1822 | 1826 | 1832 | rVB  | 440457  | 446434  | 5.44%  | 0.438% |
| 88  | 12.968 | 1846 | 1850 | 1853 | rBV  | 7033453 | 6461805 | 78.76% | 6.338% |
| 89  | 13.857 | 1998 | 2001 | 2012 | rVB4 | 315022  | 443470  | 5.41%  | 0.435% |
| 90  | 14.027 | 2025 | 2030 | 2033 | rBV  | 2289506 | 2311264 | 28.17% | 2.267% |
| 91  | 14.051 | 2033 | 2034 | 2039 | rVB  | 280254  | 195042  | 2.38%  | 0.191% |
| 92  | 14.486 | 2105 | 2108 | 2114 | rVB3 | 173799  | 207417  | 2.53%  | 0.203% |
| 93  | 14.792 | 2157 | 2160 | 2164 | rVB  | 157614  | 154906  | 1.89%  | 0.152% |
| 94  | 15.068 | 2203 | 2207 | 2210 | rBV2 | 267299  | 401555  | 4.89%  | 0.394% |
| 95  | 15.133 | 2215 | 2218 | 2222 | rVB  | 179552  | 184779  | 2.25%  | 0.181% |
| 96  | 15.374 | 2256 | 2259 | 2264 | rVB  | 192637  | 238933  | 2.91%  | 0.234% |
| 97  | 15.433 | 2266 | 2269 | 2274 | rVV  | 187124  | 238292  | 2.90%  | 0.234% |
| 98  | 15.503 | 2275 | 2281 | 2292 | rVB  | 1295725 | 1906972 | 23.24% | 1.870% |
| 99  | 15.951 | 2355 | 2357 | 2361 | rVB2 | 105238  | 121012  | 1.48%  | 0.119% |
| 100 | 16.974 | 2527 | 2531 | 2539 | rVB  | 102822  | 188613  | 2.30%  | 0.185% |

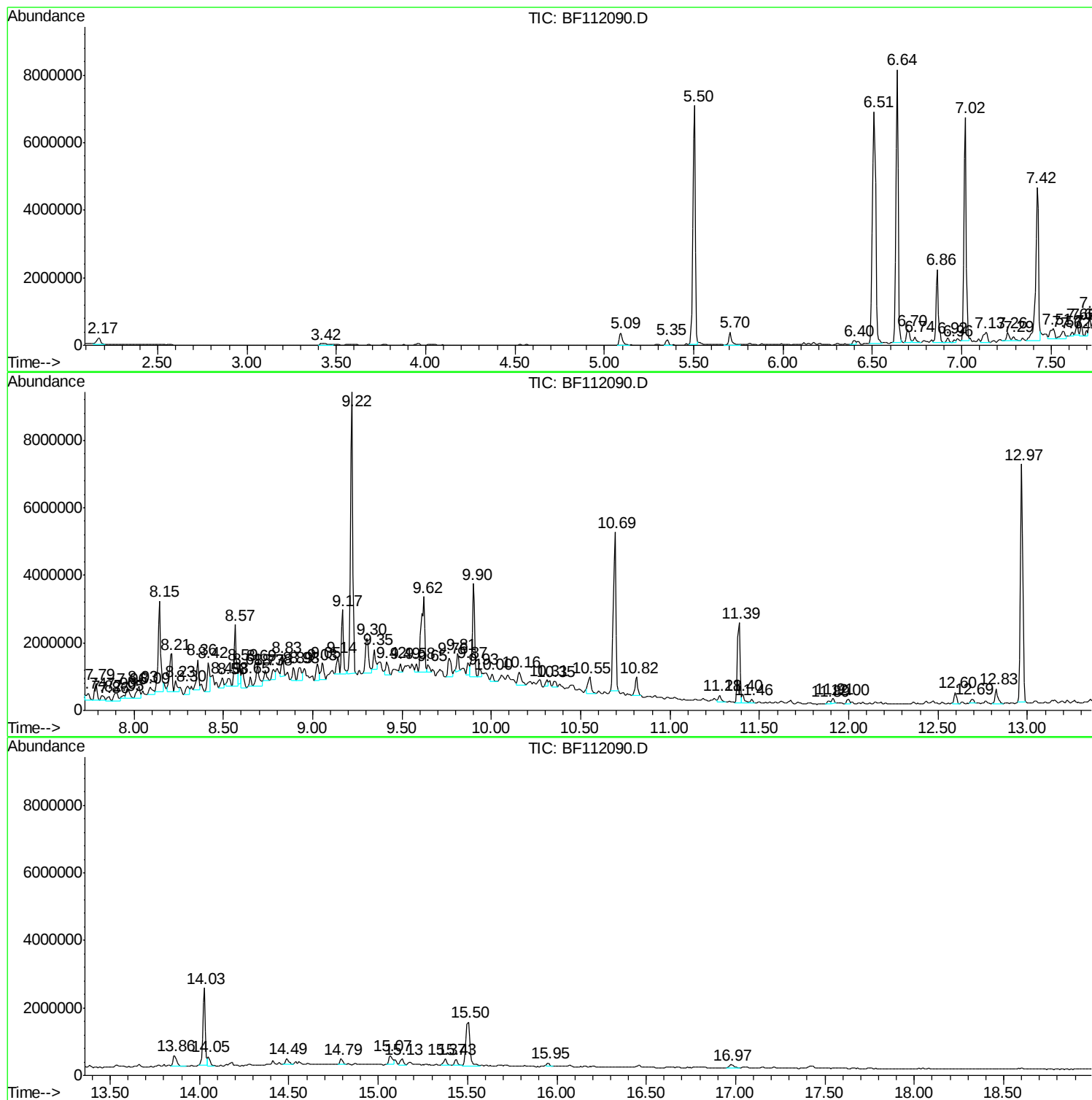
Sum of corrected areas: 101956852

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Instrument :  
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ClientSampleId :  
CLOVER-YARD-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.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\BF011719\  
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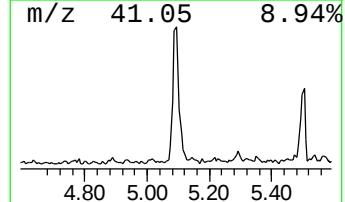
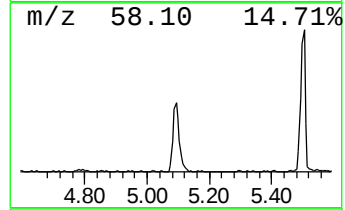
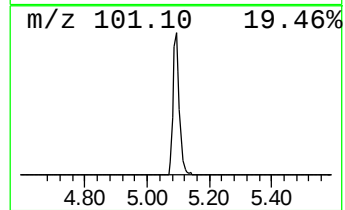
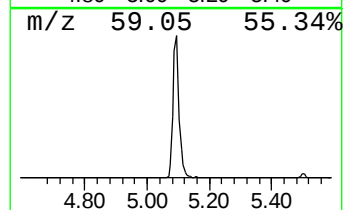
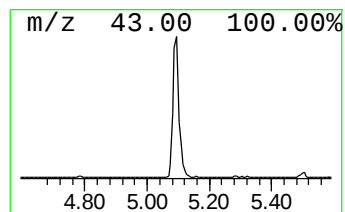
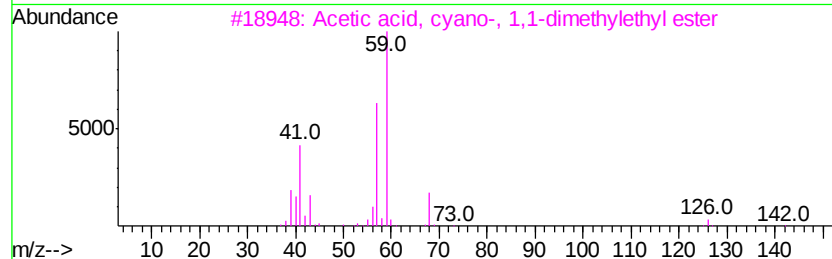
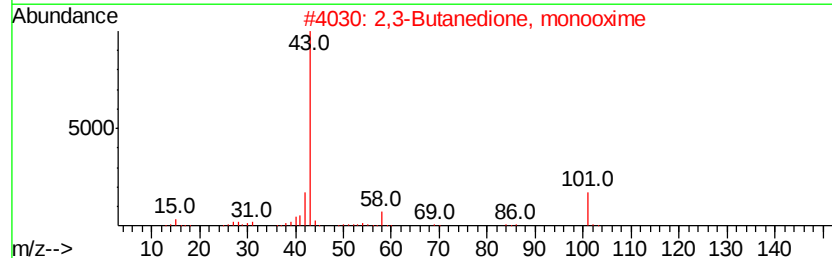
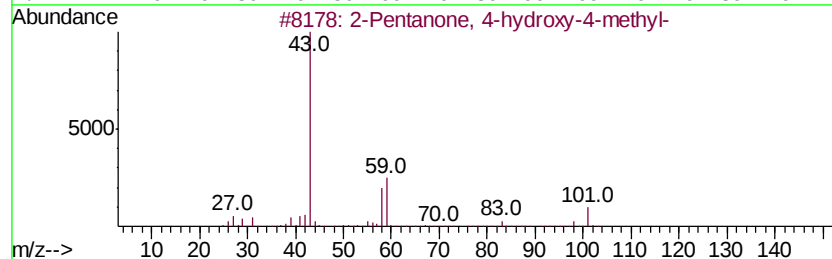
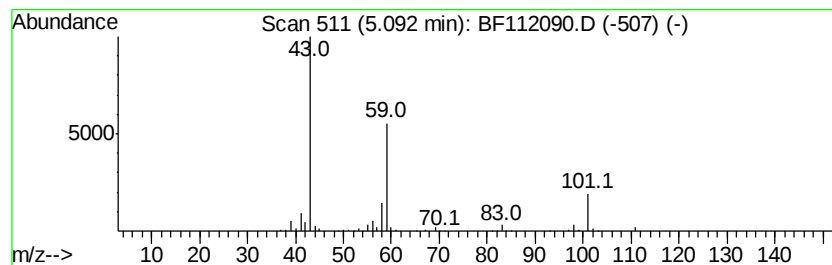
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.09 | 4.47 ng | 479293 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 50   |
| 2    |    |   | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 35   |
| 3    |    |   | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 4    |    |   | 2-Hexanol, 2-methyl-                 | 116 | C7H16O   | 000625-23-0 | 25   |
| 5    |    |   | Acetic acid, cyano-, methyl ester    | 99  | C4H5NO2  | 000105-34-0 | 9    |



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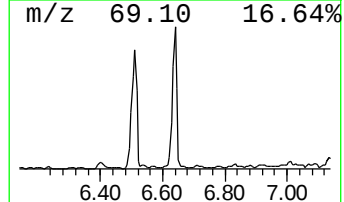
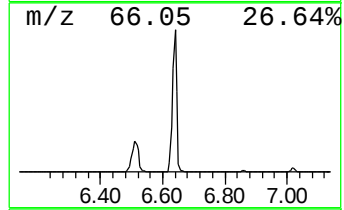
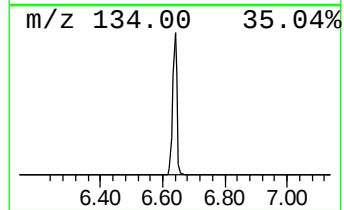
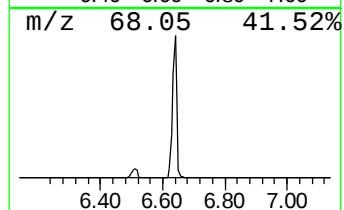
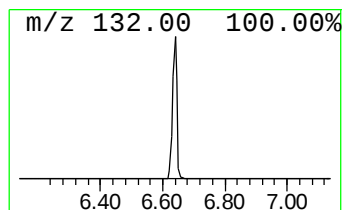
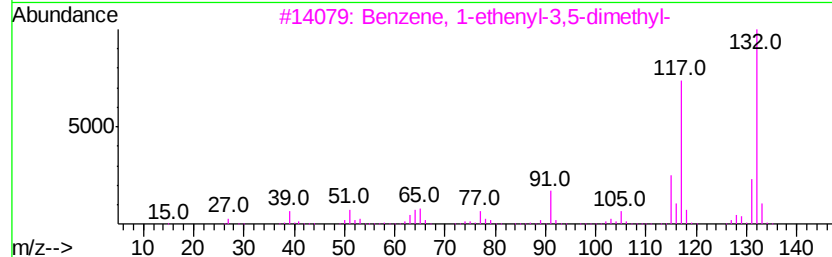
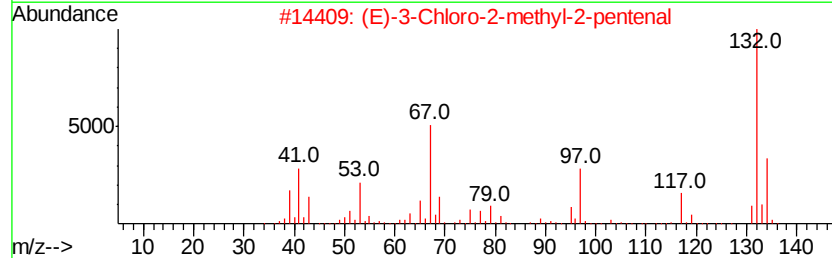
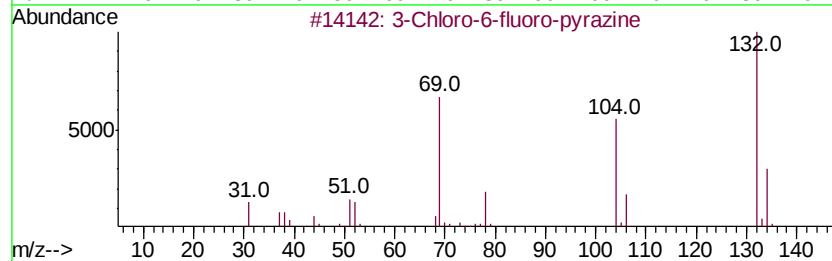
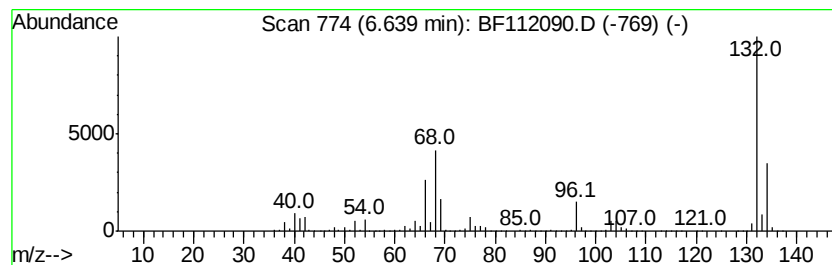
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 unknown6.64 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.64 | 73.85 ng | 7913570 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 16   |
| 3    |    | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12    | 005379-20-4  | 9    |
| 4    |    | 1-Methylpyrrolo[1,2-a]pyrazine   | 132 | C8H8N2    | 064608-59-9  | 9    |
| 5    |    | Imidazole, 4,5-dicyano-1-methyl- | 132 | C6H4N4    | 019485-35-9  | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\  
Data File : BF112090.D  
Acq On : 17 Jan 2019 15:38  
Operator : JU/SJ  
Sample : K1167-11  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CLOVER-YARD-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

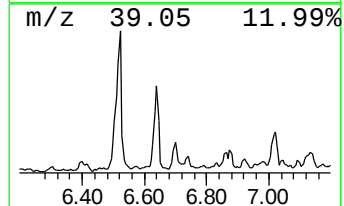
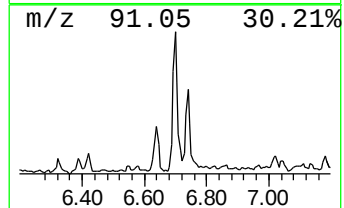
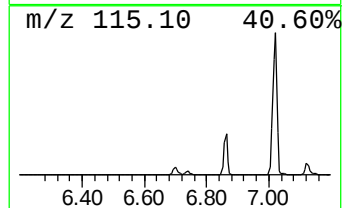
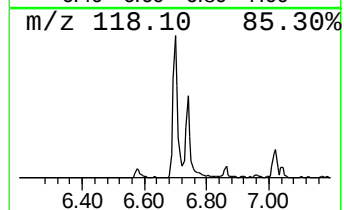
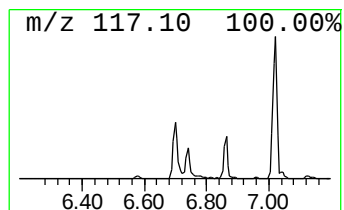
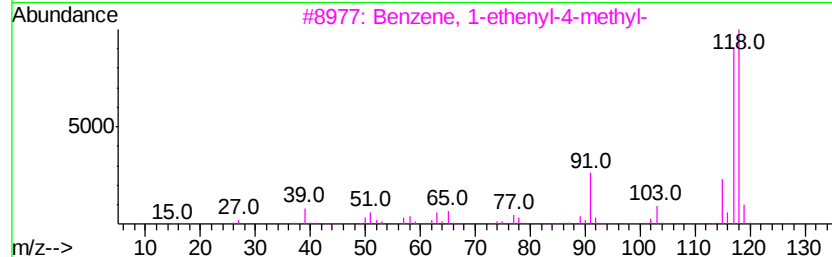
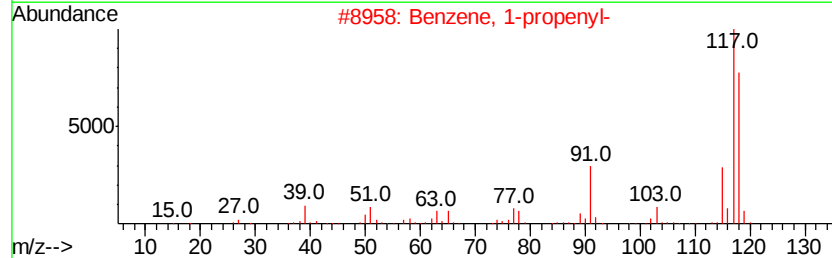
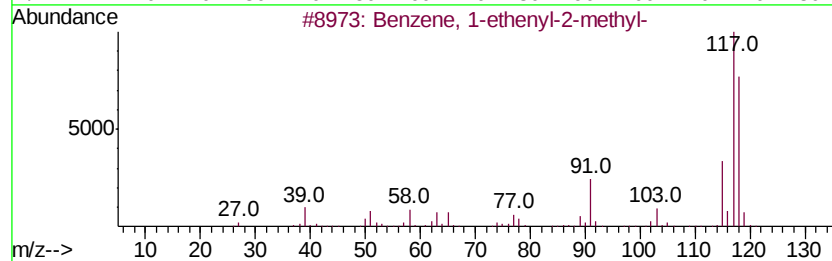
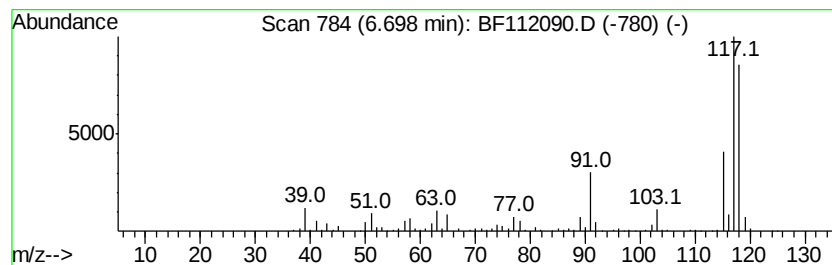
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Benzene, 1-ethenyl-2-methyl- Concentration Rank 18

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 6.70 | 4.08 ng | 436674 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# | of | Tentative ID                 | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethenyl-2-methyl- | 118 | C9H10   | 000611-15-4 | 95   |
| 2    |    | Benzene, 1-propenyl-         | 118 | C9H10   | 000637-50-3 | 95   |
| 3    |    | Benzene, 1-ethenyl-4-methyl- | 118 | C9H10   | 000622-97-9 | 95   |
| 4    |    | Benzene, cyclopropyl-        | 118 | C9H10   | 000873-49-4 | 94   |
| 5    |    | Benzene, 1-ethenyl-3-methyl- | 118 | C9H10   | 000100-80-1 | 92   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\  
Data File : BF112090.D  
Acq On : 17 Jan 2019 15:38  
Operator : JU/SJ  
Sample : K1167-11  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CLOVER-YARD-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

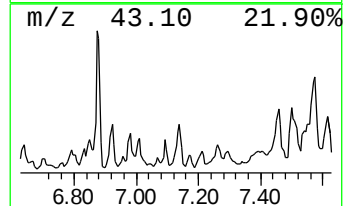
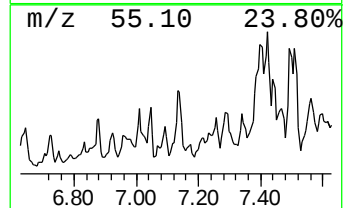
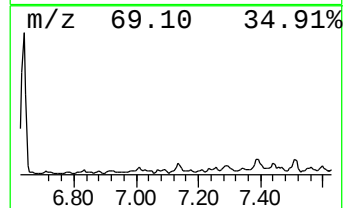
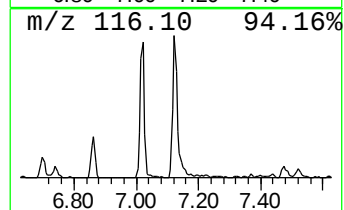
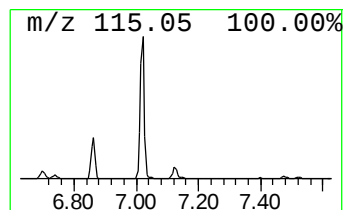
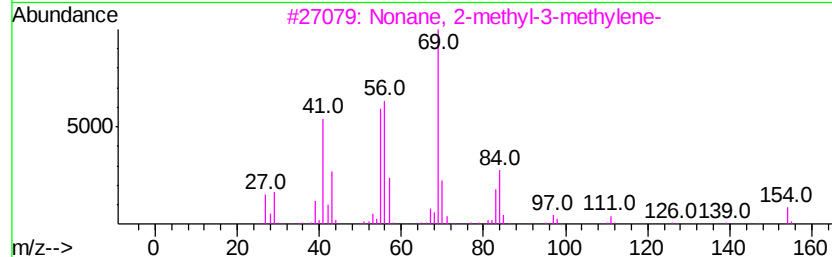
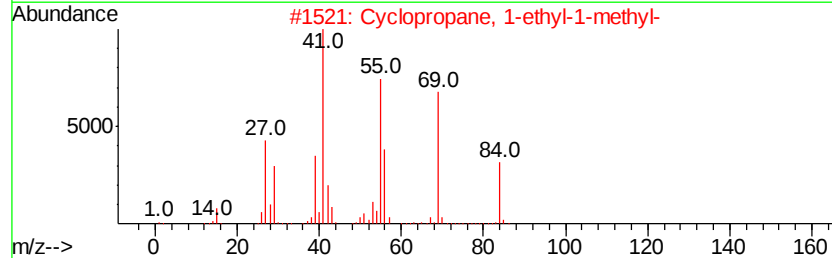
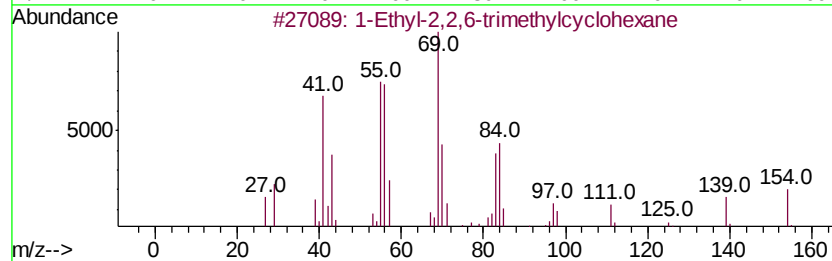
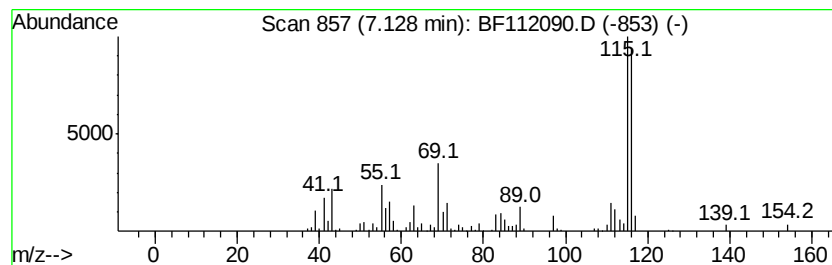
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 1-Ethyl-2,2,6-trimethylcycl... Concentration Rank 14

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 7.13 | 4.45 ng | 476951 | 1,4-Dichlorobenzene-d4 | 6.86 |

| Hit# of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|---------|---|------------------------------------|-----|---------|-------------|------|
| 1       |   | 1-Ethyl-2,2,6-trimethylcyclohexane | 154 | C11H22  | 071186-27-1 | 52   |
| 2       |   | Cyclopropane, 1-ethyl-1-methyl-    | 84  | C6H12   | 053778-43-1 | 45   |
| 3       |   | Nonane, 2-methyl-3-methylene-      | 154 | C11H22  | 055499-08-6 | 38   |
| 4       |   | Pentane, 3-methylene-              | 84  | C6H12   | 000760-21-4 | 38   |
| 5       |   | 2-Pentene, 3-methyl-, (Z)-         | 84  | C6H12   | 000922-62-3 | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\  
Data File : BF112090.D  
Acq On : 17 Jan 2019 15:38  
Operator : JU/SJ  
Sample : K1167-11  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CLOVER-YARD-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

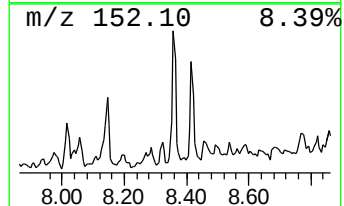
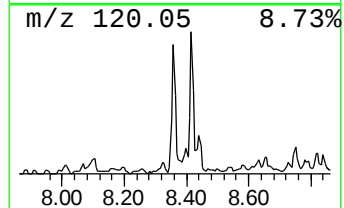
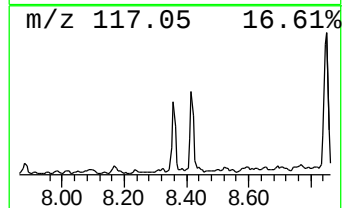
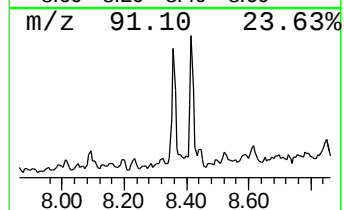
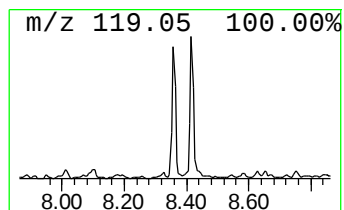
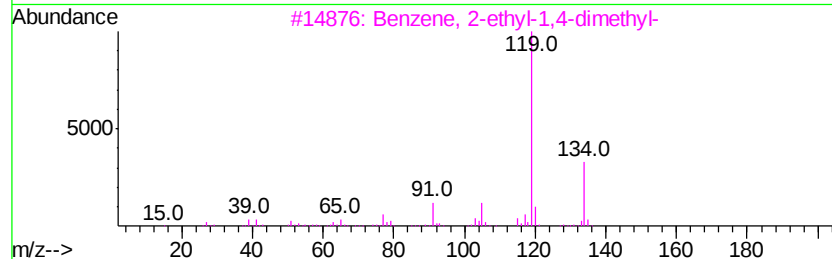
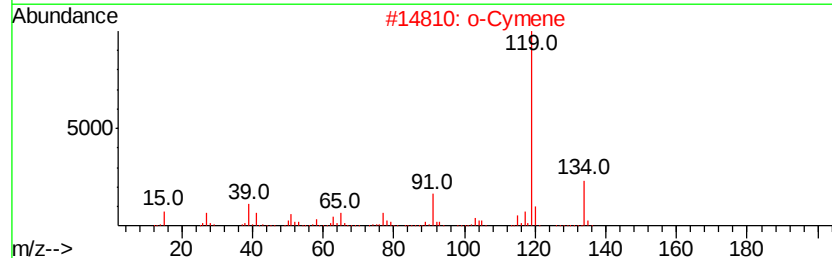
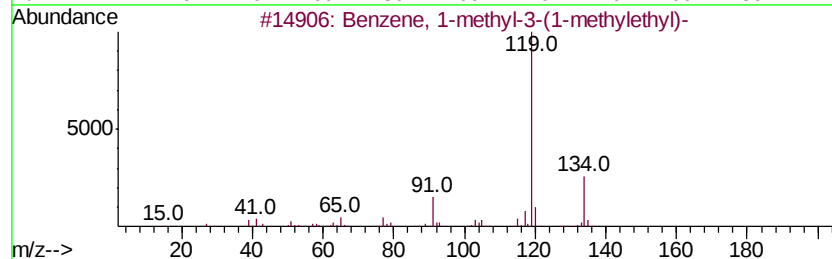
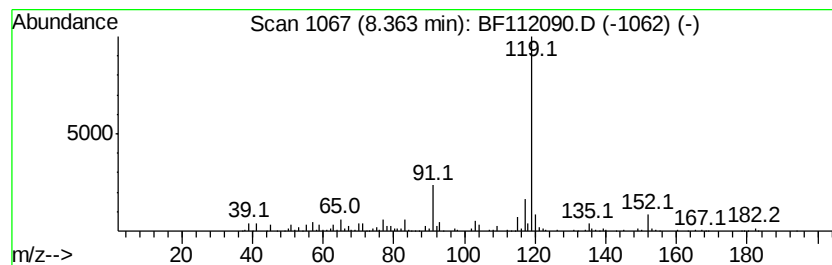
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzene, 1-methyl-3-(1-meth... Concentration Rank 7

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.36 | 6.34 ng | 854855 | Naphthalene-d8   | 8.15 |

| Hit# | of | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-methyl-3-(1-methylethyl-) | 134 | C10H14  | 000535-77-3 | 70   |
| 2    |    | o-Cymene                             | 134 | C10H14  | 000527-84-4 | 70   |
| 3    |    | Benzene, 2-ethyl-1,4-dimethyl-       | 134 | C10H14  | 001758-88-9 | 64   |
| 4    |    | 2,4,6-Trimethylbenzenethiol          | 152 | C9H12S  | 001541-10-2 | 64   |
| 5    |    | p-Cymene                             | 134 | C10H14  | 000099-87-6 | 62   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\  
Data File : BF112090.D  
Acq On : 17 Jan 2019 15:38  
Operator : JU/SJ  
Sample : K1167-11  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CLOVER-YARD-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

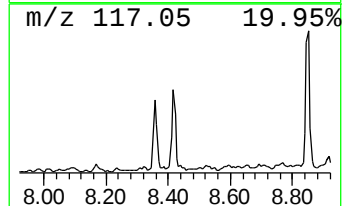
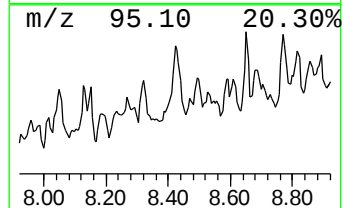
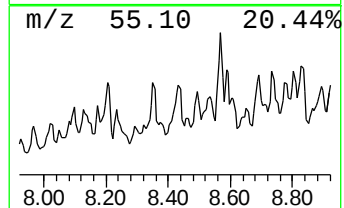
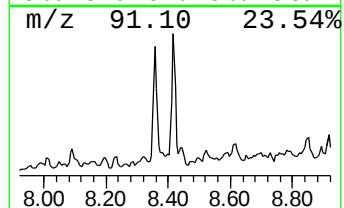
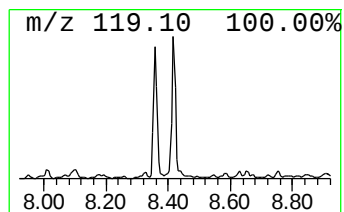
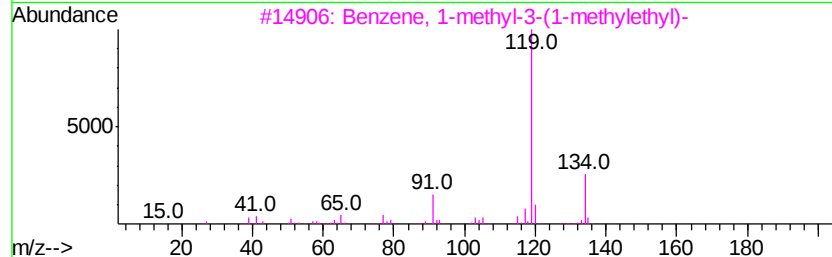
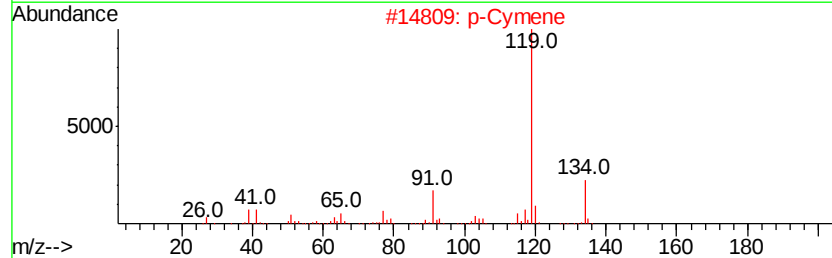
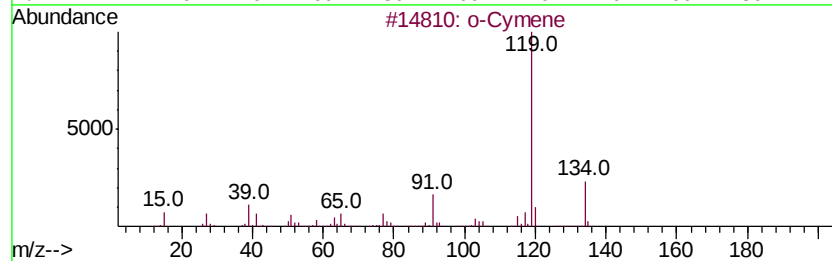
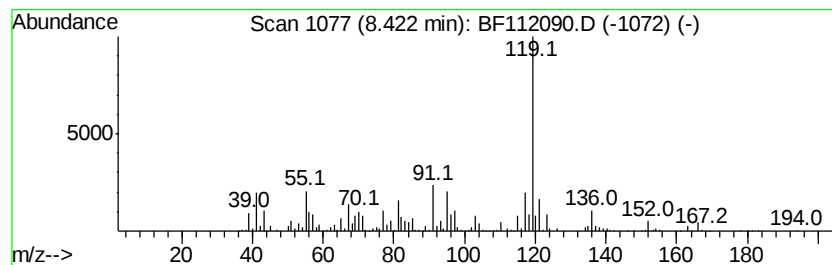
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 o-Cymene Concentration Rank 6

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.42 | 6.77 ng | 912536 | Napthalene-d8    | 8.15 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | o-Cymene                             | 134 | C10H14   | 000527-84-4 | 76   |
| 2    |    | p-Cymene                             | 134 | C10H14   | 000099-87-6 | 76   |
| 3    |    | Benzene, 1-methyl-3-(1-methylethyl)- | 134 | C10H14   | 000535-77-3 | 68   |
| 4    |    | Benzene, 1,2,3,4-tetramethyl-        | 134 | C10H14   | 000488-23-3 | 64   |
| 5    |    | Acetic acid, (2,4-xylyl)-            | 164 | C10H12O2 | 006331-04-0 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\  
Data File : BF112090.D  
Acq On : 17 Jan 2019 15:38  
Operator : JU/SJ  
Sample : K1167-11  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CLOVER-YARD-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

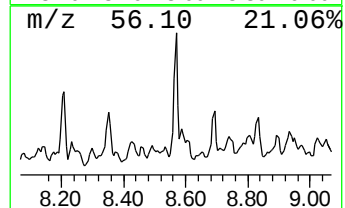
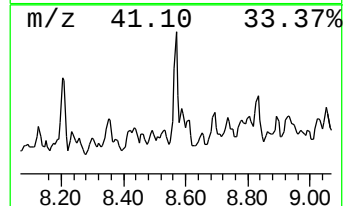
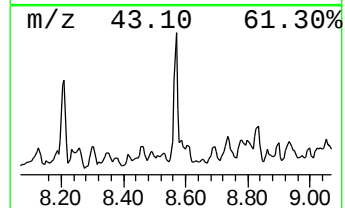
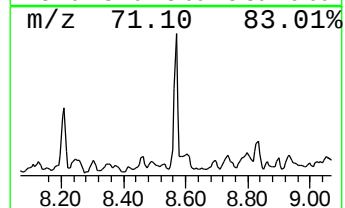
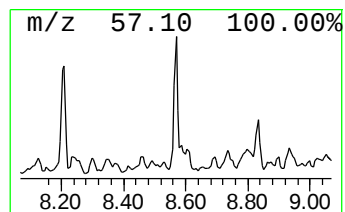
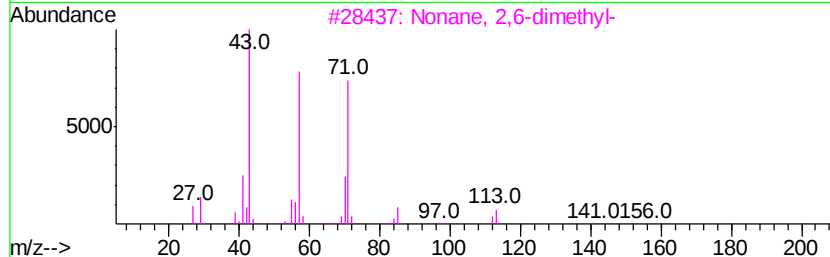
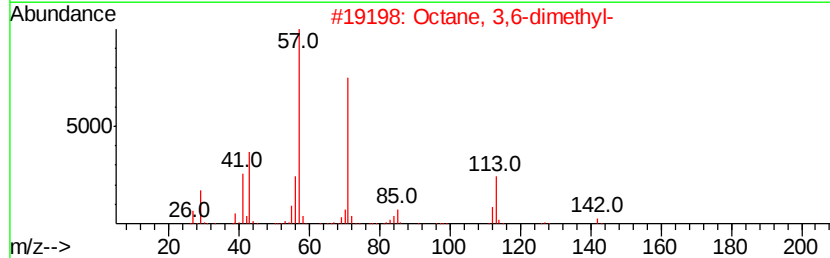
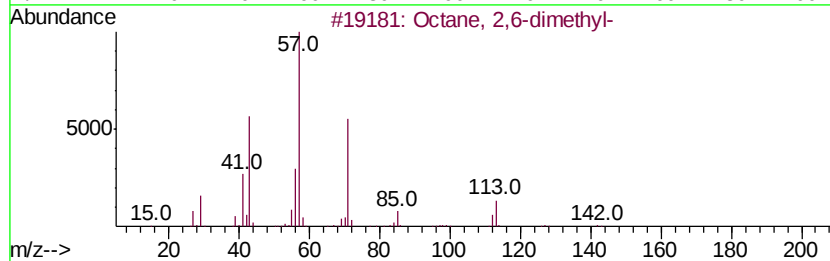
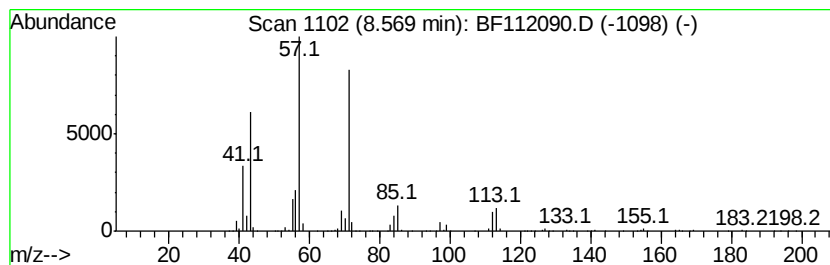
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Octane, 2,6-dimethyl- Concentration Rank 4

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.57 | 11.76 ng | 1584900 | Naphthalene-d8   | 8.15 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Octane, 2,6-dimethyl-            | 142 | C10H22  | 002051-30-1 | 83   |
| 2    |    | Octane, 3,6-dimethyl-            | 142 | C10H22  | 015869-94-0 | 78   |
| 3    |    | Nonane, 2,6-dimethyl-            | 156 | C11H24  | 017302-28-2 | 72   |
| 4    |    | 2-Bromo-6-methylheptane          | 192 | C8H17Br | 004730-24-9 | 72   |
| 5    |    | Heptane, 3-[(ethenyloxy)methyl]- | 156 | C10H20O | 000103-44-6 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\  
Data File : BF112090.D  
Acq On : 17 Jan 2019 15:38  
Operator : JU/SJ  
Sample : K1167-11  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

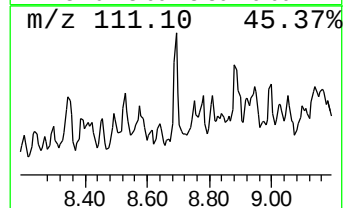
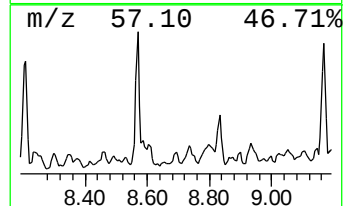
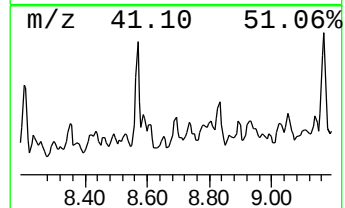
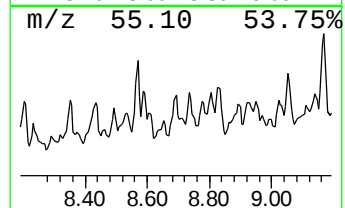
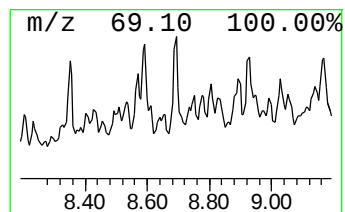
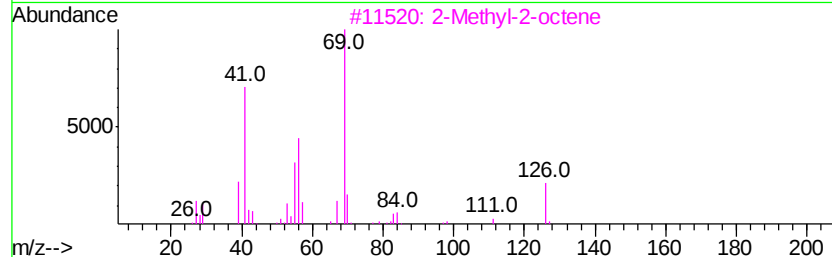
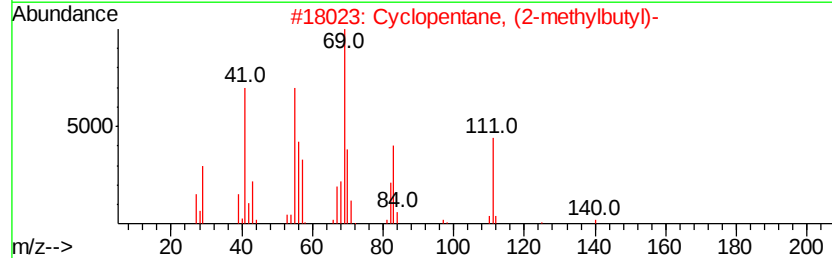
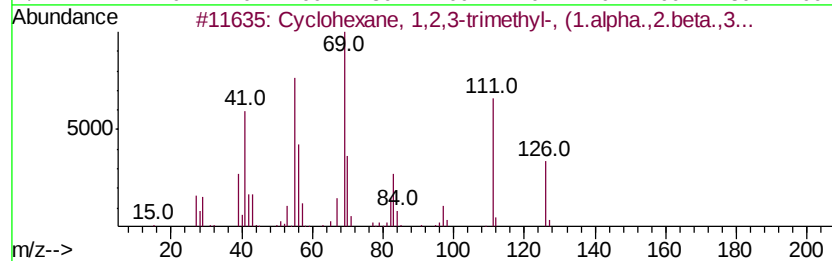
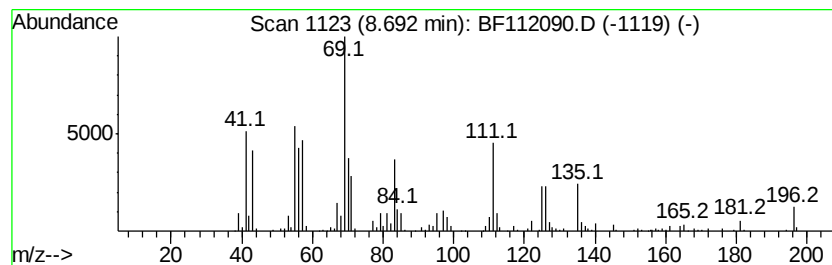
Instrument :  
BNA\_F  
ClientSampleId :  
CLOVER-YARD-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.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 10 Cyclohexane, 1,2,3-trimethy... Concentration Rank 8

| R.T.    | EstConc | Area                                 | Relative to ISTD | R.T.            |
|---------|---------|--------------------------------------|------------------|-----------------|
| 8.69    | 5.90 ng | 795050                               | Napthalene-d8    | 8.15            |
| Hit# of | 5       | Tentative ID                         | MW MolForm       | CAS# Qual       |
| 1       |         | Cyclohexane, 1,2,3-trimethyl-, (...) | 126 C9H18        | 001678-81-5 76  |
| 2       |         | Cyclopentane, (2-methylbutyl)-       | 140 C10H20       | 053366-38-4 49  |
| 3       |         | 2-Methyl-2-octene                    | 126 C9H18        | 016993-86-5 46  |
| 4       |         | Cyclooctane, ethyl-                  | 140 C10H20       | 013152-02-8 46  |
| 5       |         | 2,3,4-Trimethyl-hex-3-enal           | 140 C9H16O       | 1000193-72-9 43 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\  
Data File : BF112090.D  
Acq On : 17 Jan 2019 15:38  
Operator : JU/SJ  
Sample : K1167-11  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CLOVER-YARD-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

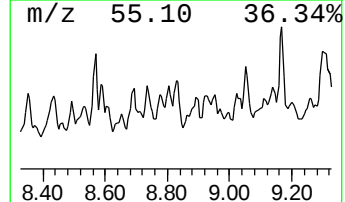
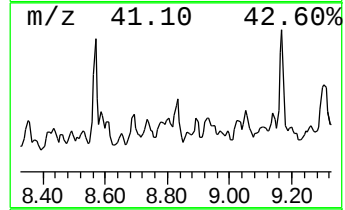
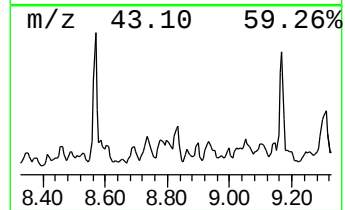
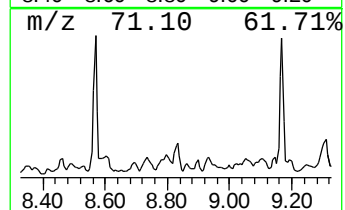
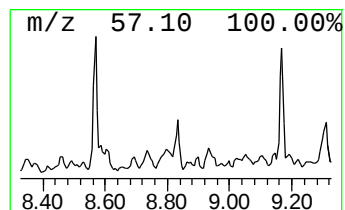
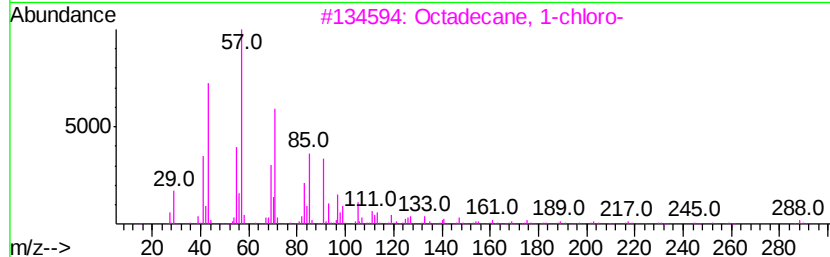
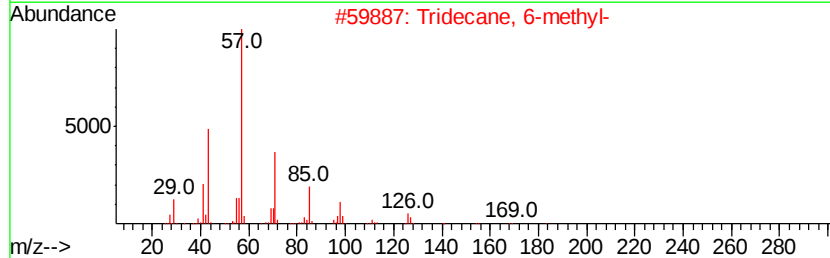
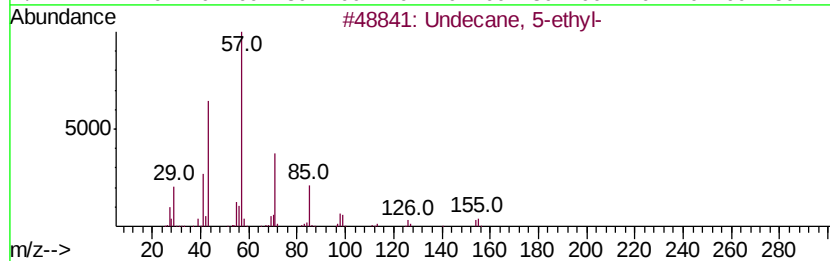
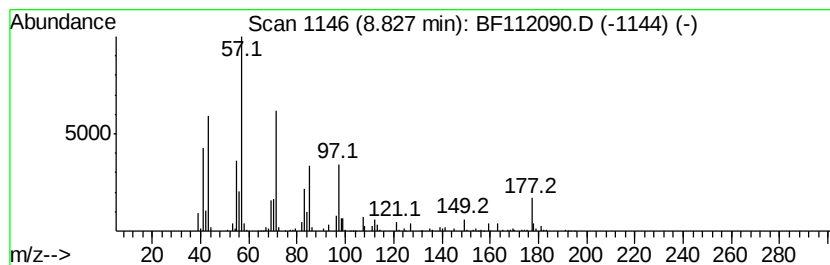
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Undecane, 5-ethyl- Concentration Rank 19

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.83 | 4.04 ng | 543843 | Napthalene-d8    | 8.15 |

| Hit# | of | Tentative ID              | MW  | MolForm  | CAS#        | Qual |
|------|----|---------------------------|-----|----------|-------------|------|
| 1    | 5  | Undecane, 5-ethyl-        | 184 | C13H28   | 017453-94-0 | 53   |
| 2    |    | Tridecane, 6-methyl-      | 198 | C14H30   | 013287-21-3 | 53   |
| 3    |    | Octadecane, 1-chloro-     | 288 | C18H37Cl | 003386-33-2 | 50   |
| 4    |    | Decane, 6-ethyl-2-methyl- | 184 | C13H28   | 062108-21-8 | 50   |
| 5    |    | Pentadecane, 6-methyl-    | 226 | C16H34   | 010105-38-1 | 47   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\  
Data File : BF112090.D  
Acq On : 17 Jan 2019 15:38  
Operator : JU/SJ  
Sample : K1167-11  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CLOVER-YARD-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

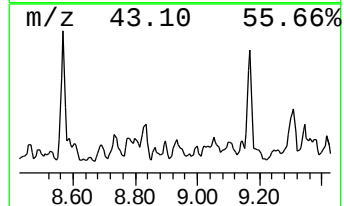
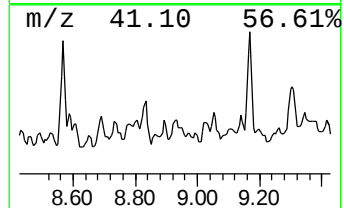
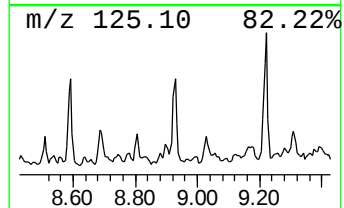
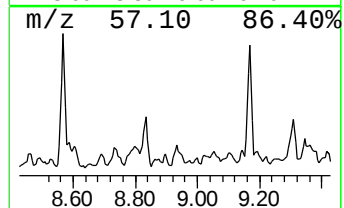
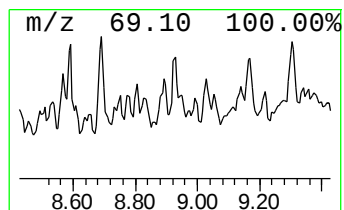
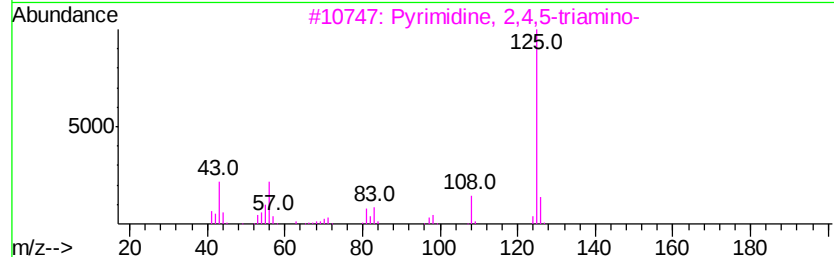
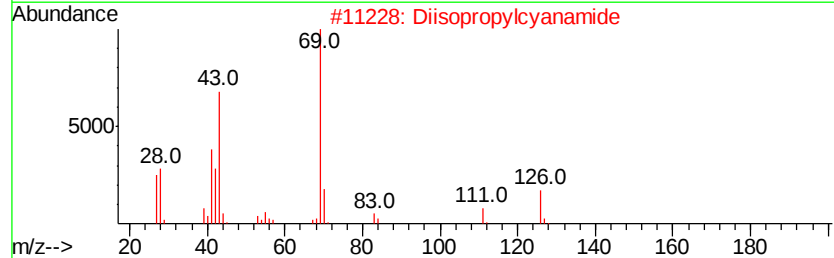
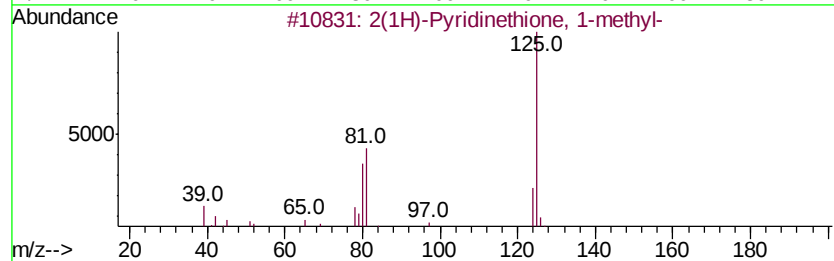
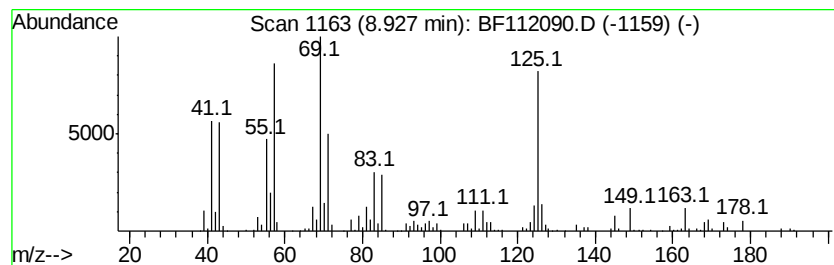
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 unknown8.93 Concentration Rank 12

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.93 | 4.50 ng | 606245 | Napthalene-d8    | 8.15 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm    | CAS#         | Qual |
|------|----|---|----------------------------------|-----|------------|--------------|------|
| 1    |    |   | 2(1H)-Pyridinethione, 1-methyl-  | 125 | C6H7NS     | 002044-27-1  | 25   |
| 2    |    |   | Diisopropylcyanamide             | 126 | C7H14N2    | 003085-76-5  | 25   |
| 3    |    |   | Pyrimidine, 2,4,5-triamino-      | 125 | C4H7N5     | 003546-50-7  | 22   |
| 4    |    |   | 2-Aminothiophenol, N,S-diacetyl- | 209 | C10H11NO2S | 1000353-08-2 | 22   |
| 5    |    |   | 1,5-Heptadiene, 2,3,6-trimethyl- | 138 | C10H18     | 033501-88-1  | 15   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\  
Data File : BF112090.D  
Acq On : 17 Jan 2019 15:38  
Operator : JU/SJ  
Sample : K1167-11  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CLOVER-YARD-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

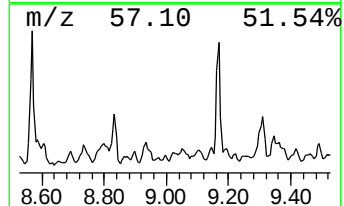
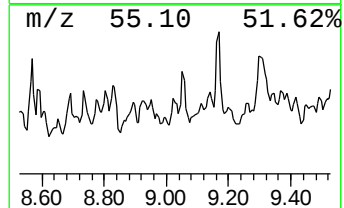
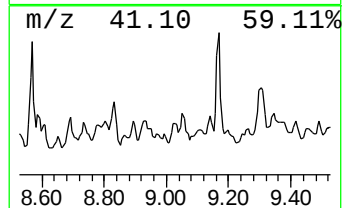
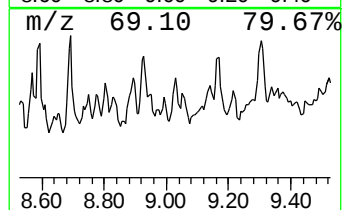
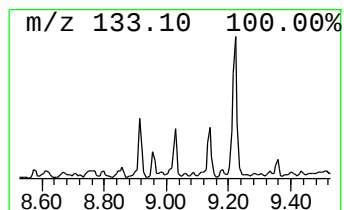
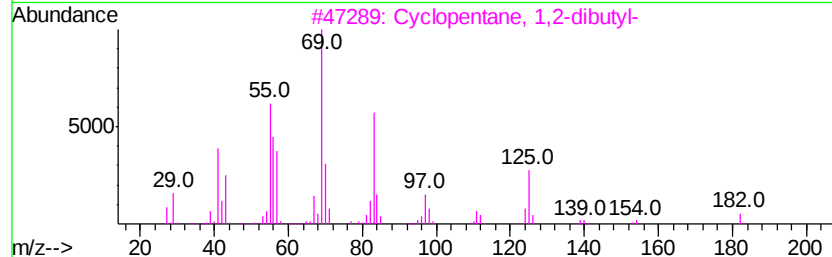
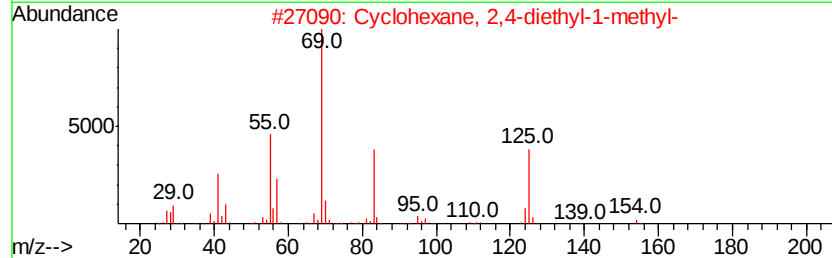
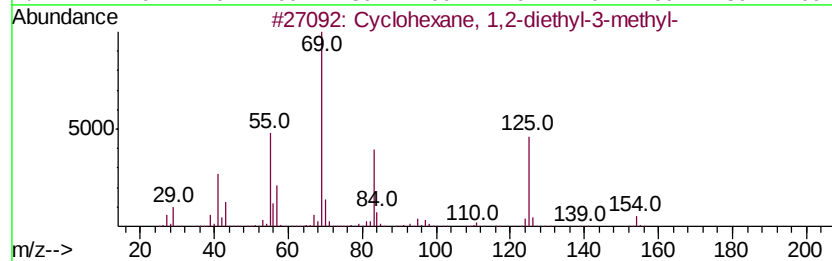
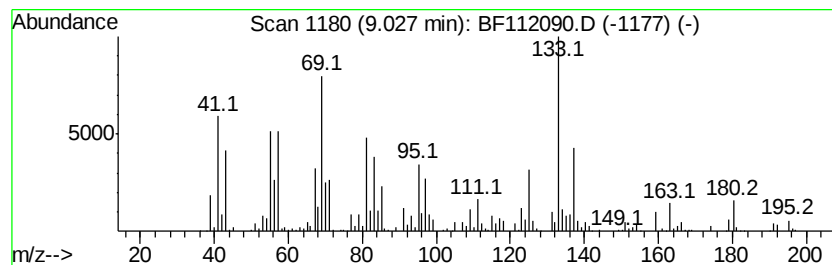
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 unknown9.03 Concentration Rank 11

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.03 | 4.52 ng | 586477 | Acenaphthene-d10 | 9.90 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Cyclohexane, 1,2-diethyl-3-methyl- | 154 | C11H22  | 061141-80-8 | 30   |
| 2    |    |   | Cyclohexane, 2,4-diethyl-1-methyl- | 154 | C11H22  | 061142-70-9 | 30   |
| 3    |    |   | Cyclopentane, 1,2-dibutyl-         | 182 | C13H26  | 062199-52-4 | 27   |
| 4    |    |   | Cyclohexane, 1,1,4,4-tetramethyl-  | 140 | C10H20  | 002223-52-1 | 14   |
| 5    |    |   | Cyclopentane, 1,1,3-trimethyl-     | 112 | C8H16   | 004516-69-2 | 11   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\  
Data File : BF112090.D  
Acq On : 17 Jan 2019 15:38  
Operator : JU/SJ  
Sample : K1167-11  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

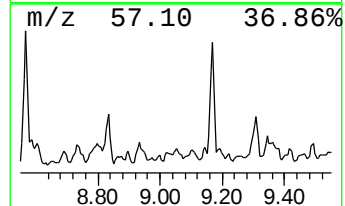
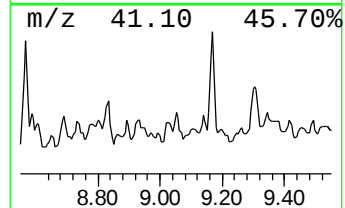
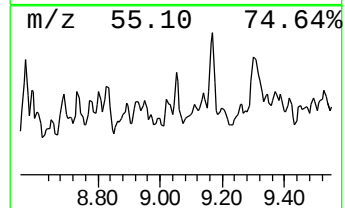
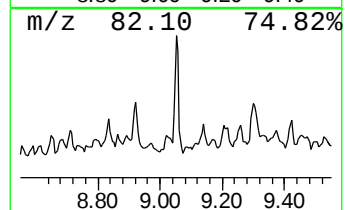
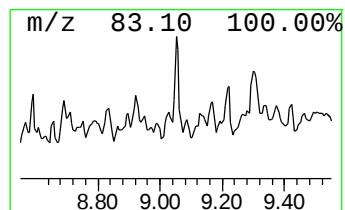
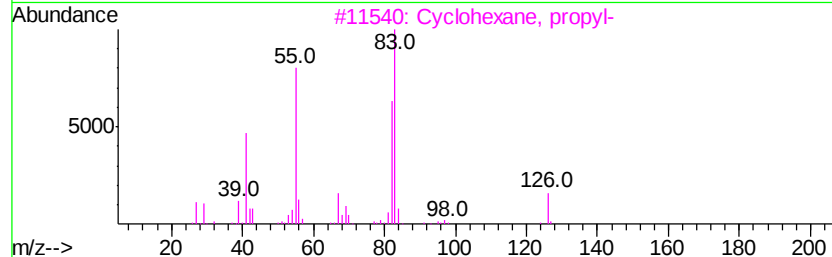
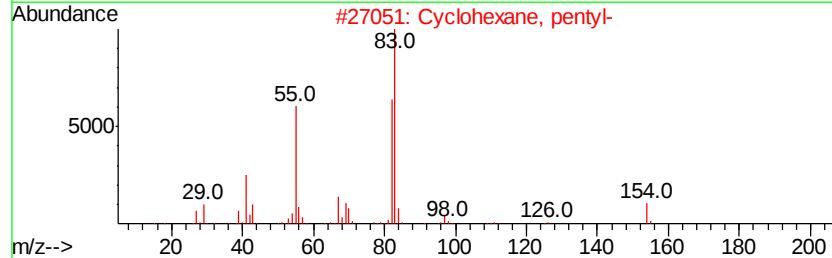
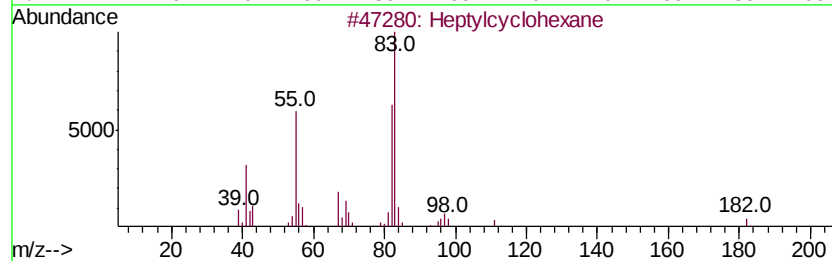
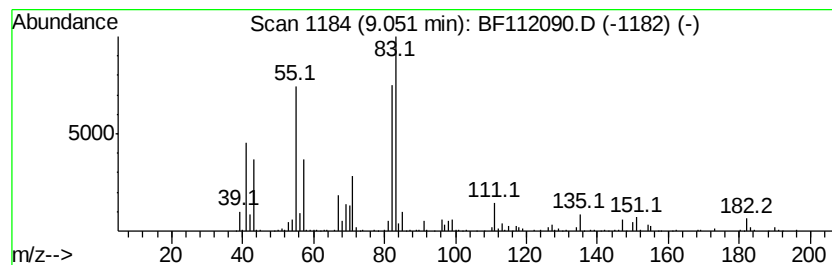
Instrument :  
BNA\_F  
ClientSampleId :  
CLOVER-YARD-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 14 Heptylcyclohexane Concentration Rank 16

| R.T.      | EstConc                      | Area   | Relative to ISTD |             | R.T. |
|-----------|------------------------------|--------|------------------|-------------|------|
| 9.05      | 4.17 ng                      | 541029 | Acenaphthene-d10 |             | 9.90 |
| Hit# of 5 | Tentative ID                 | MW     | MolForm          | CAS#        | Qual |
| 1         | Heptylcyclohexane            | 182    | C13H26           | 005617-41-4 | 72   |
| 2         | Cyclohexane, pentyl-         | 154    | C11H22           | 004292-92-6 | 68   |
| 3         | Cyclohexane, propyl-         | 126    | C9H18            | 001678-92-8 | 59   |
| 4         | Cyclohexane, octyl-          | 196    | C14H28           | 001795-15-9 | 59   |
| 5         | 3-Cyclohexyl-1-chloropropane | 160    | C9H17Cl          | 001124-62-5 | 59   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\  
Data File : BF112090.D  
Acq On : 17 Jan 2019 15:38  
Operator : JU/SJ  
Sample : K1167-11  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CLOVER-YARD-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

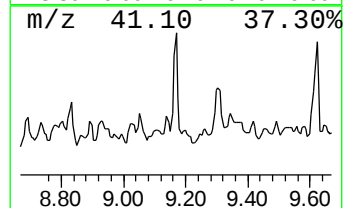
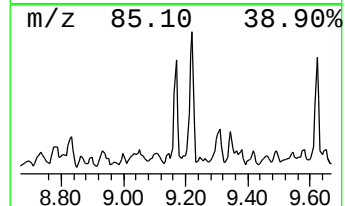
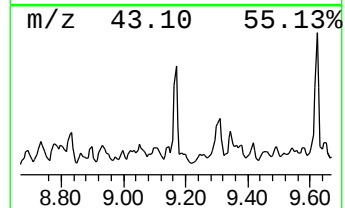
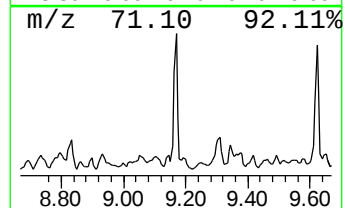
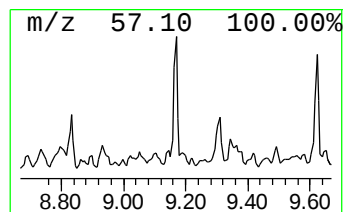
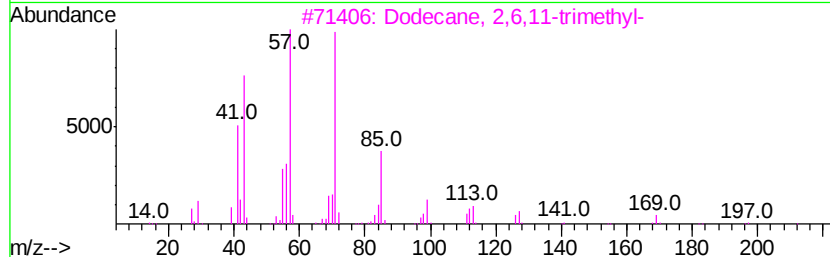
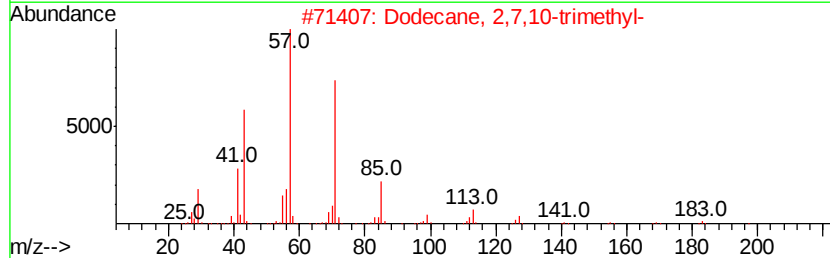
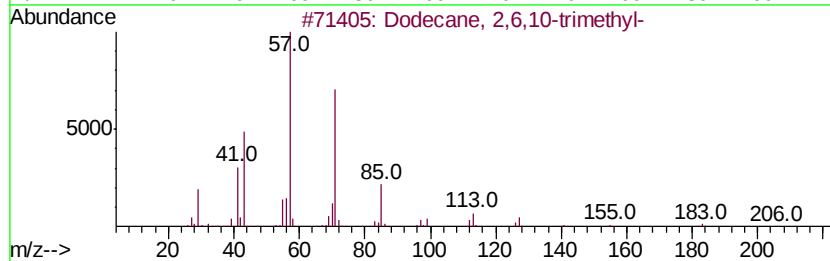
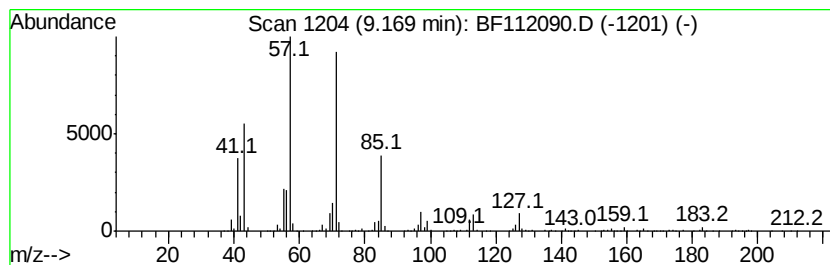
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 15 Dodecane, 2,6,10-trimethyl- Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.17 | 12.28 ng | 1594940 | Acenaphthene-d10 | 9.90 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Dodecane, 2,6,10-trimethyl- | 212 | C15H32  | 003891-98-3 | 80   |
| 2    |    | Dodecane, 2,7,10-trimethyl- | 212 | C15H32  | 074645-98-0 | 72   |
| 3    |    | Dodecane, 2,6,11-trimethyl- | 212 | C15H32  | 031295-56-4 | 64   |
| 4    |    | Nonane, 2,6-dimethyl-       | 156 | C11H24  | 017302-28-2 | 52   |
| 5    |    | Undecane, 5,7-dimethyl-     | 184 | C13H28  | 017312-83-3 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\  
Data File : BF112090.D  
Acq On : 17 Jan 2019 15:38  
Operator : JU/SJ  
Sample : K1167-11  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CLOVER-YARD-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

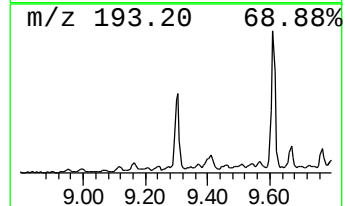
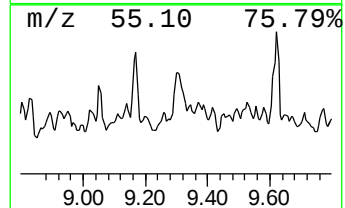
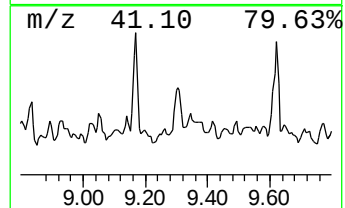
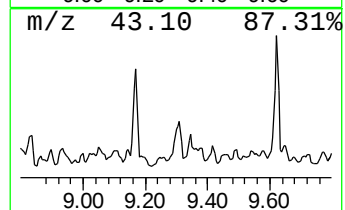
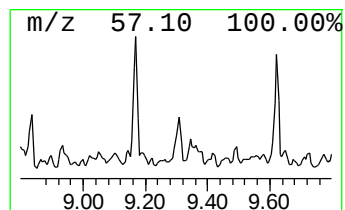
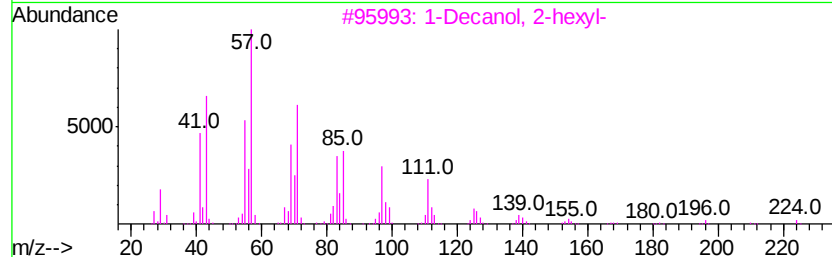
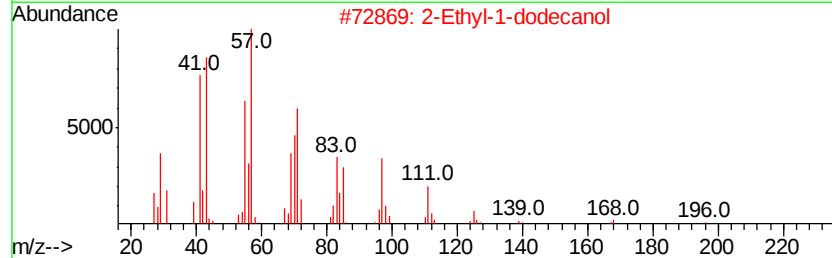
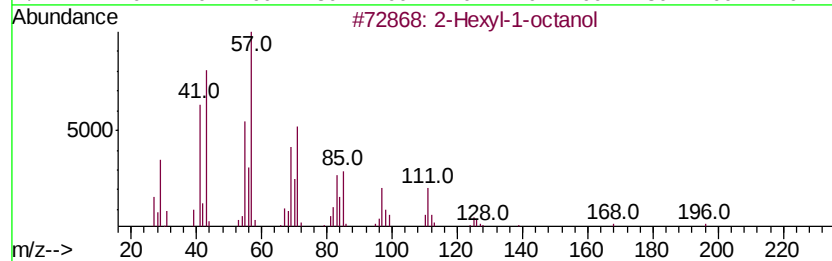
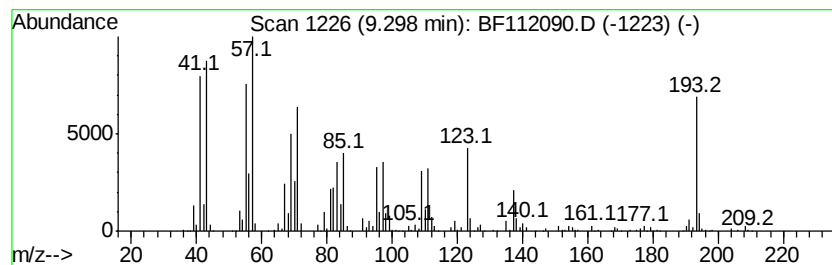
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 unknown9.30 Concentration Rank 5

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.30 | 10.95 ng | 1421300 | Acenaphthene-d10 | 9.90 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Hexyl-1-octanol                   | 214 | C14H30O | 019780-79-1 | 41   |
| 2    |    | 2-Ethyl-1-dodecanol                 | 214 | C14H30O | 019780-33-7 | 38   |
| 3    |    | 1-Decanol, 2-hexyl-                 | 242 | C16H34O | 002425-77-6 | 38   |
| 4    |    | Tetradecane, 1-fluoro-              | 216 | C14H29F | 000593-33-9 | 30   |
| 5    |    | 7-Oxabicyclo[4.1.0]heptane, 1,5-... | 126 | C8H14O  | 162239-52-3 | 25   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\  
Data File : BF112090.D  
Acq On : 17 Jan 2019 15:38  
Operator : JU/SJ  
Sample : K1167-11  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
CLOVER-YARD-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

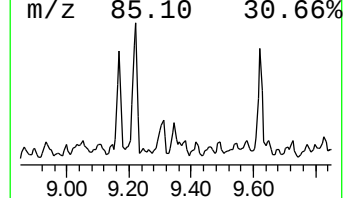
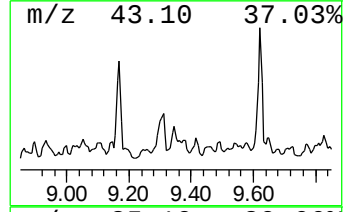
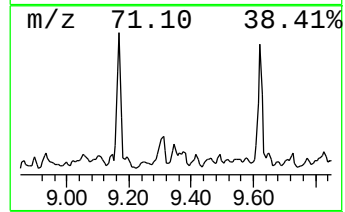
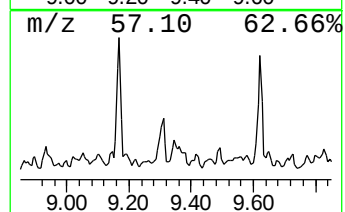
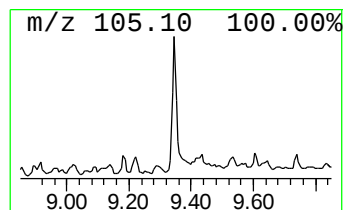
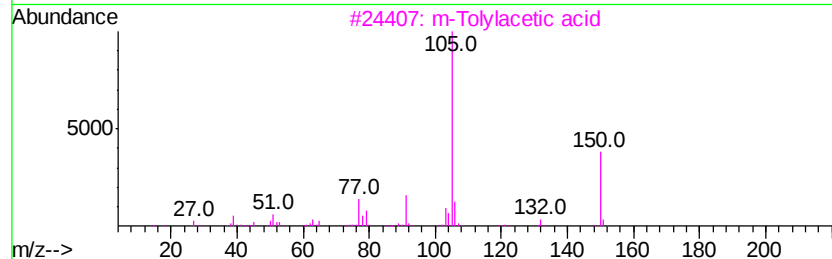
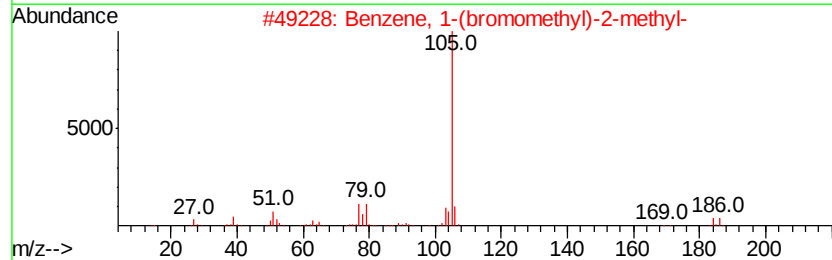
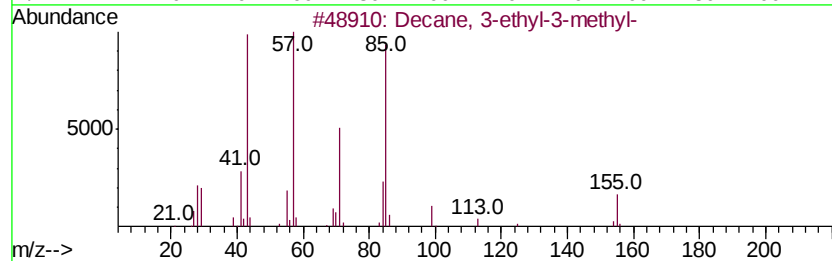
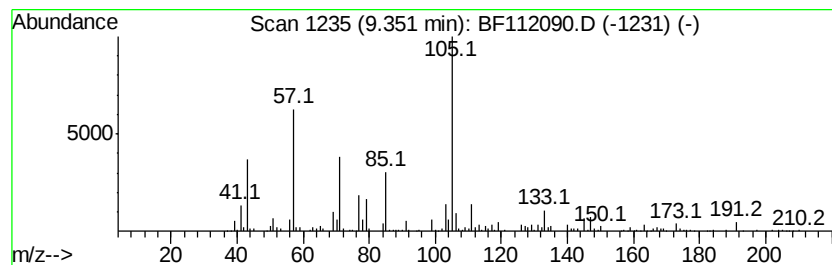
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 unknown9.35 Concentration Rank 10

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.35 | 4.65 ng | 603684 | Acenaphthene-d10 | 9.90 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Decane, 3-ethyl-3-methyl-           | 184 | C13H28  | 017312-66-2 | 14   |
| 2    |    |   | Benzene, 1-(bromomethyl)-2-methyl-  | 184 | C8H9Br  | 000089-92-9 | 14   |
| 3    |    |   | m-Tolylacetic acid                  | 150 | C9H10O2 | 000621-36-3 | 14   |
| 4    |    |   | Benzeneacetic acid, .alpha.-methyl- | 150 | C9H10O2 | 000492-37-5 | 14   |
| 5    |    |   | Benzene, (1-bromoethyl)-            | 184 | C8H9Br  | 000585-71-7 | 14   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\  
Data File : BF112090.D  
Acq On : 17 Jan 2019 15:38  
Operator : JU/SJ  
Sample : K1167-11  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

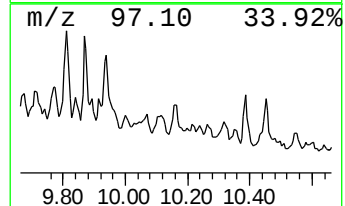
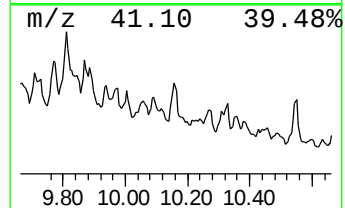
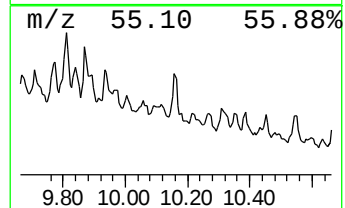
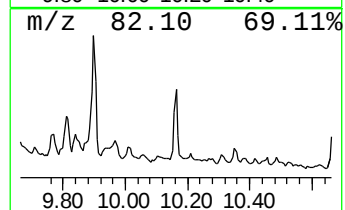
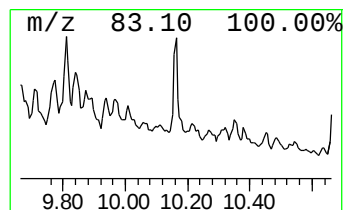
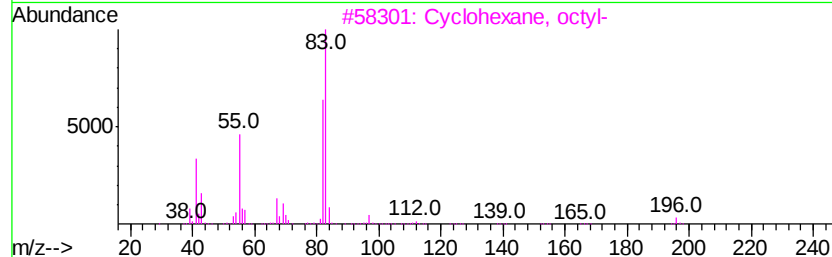
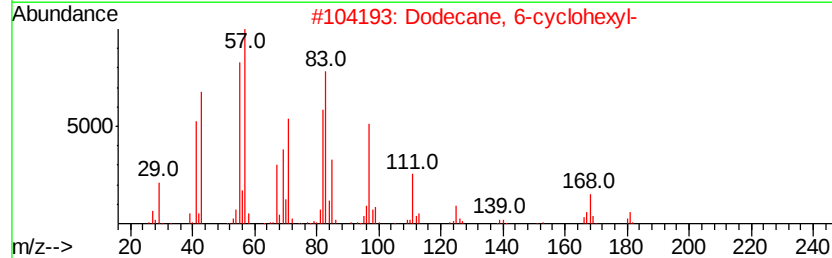
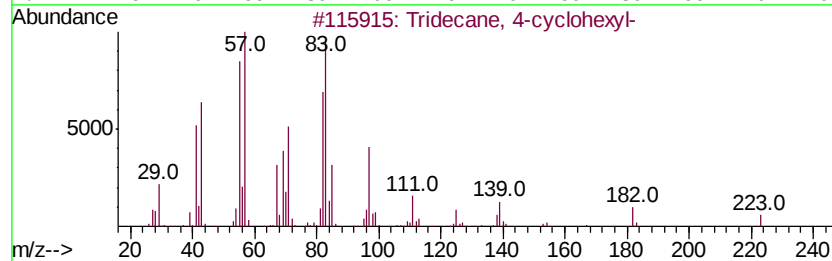
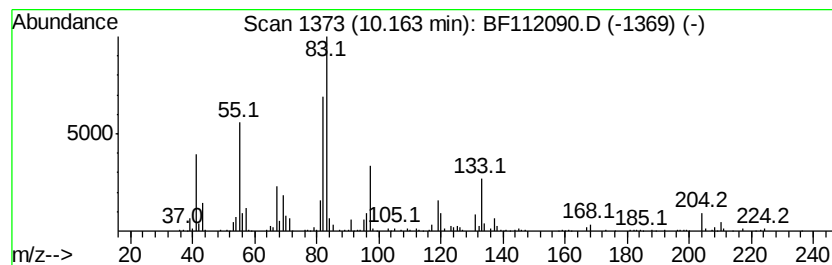
Instrument :  
BNA\_F  
ClientSampleId :  
CLOVER-YARD-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 18 Tridecane, 4-cyclohexyl- Concentration Rank 20

| R.T.      | EstConc                  | Area   | Relative to ISTD | R.T.        |      |
|-----------|--------------------------|--------|------------------|-------------|------|
| 10.16     | 3.89 ng                  | 505010 | Acenaphthene-d10 | 9.90        |      |
| Hit# of 5 | Tentative ID             | MW     | MolForm          | CAS#        | Qual |
| 1         | Tridecane, 4-cyclohexyl- | 266    | C19H38           | 013151-89-8 | 64   |
| 2         | Dodecane, 6-cyclohexyl-  | 252    | C18H36           | 013151-86-5 | 58   |
| 3         | Cyclohexane, octyl-      | 196    | C14H28           | 001795-15-9 | 43   |
| 4         | Cyclohexane, 2-propenyl- | 124    | C9H16            | 002114-42-3 | 43   |
| 5         | Cyclohexane, propyl-     | 126    | C9H18            | 001678-92-8 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\  
Data File : BF112090.D  
Acq On : 17 Jan 2019 15:38  
Operator : JU/SJ  
Sample : K1167-11  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

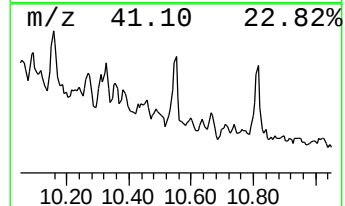
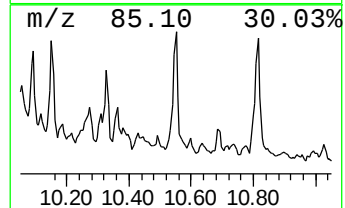
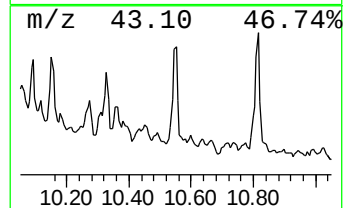
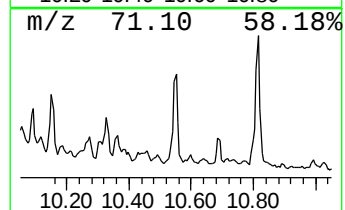
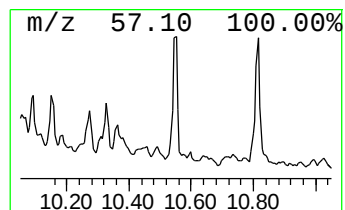
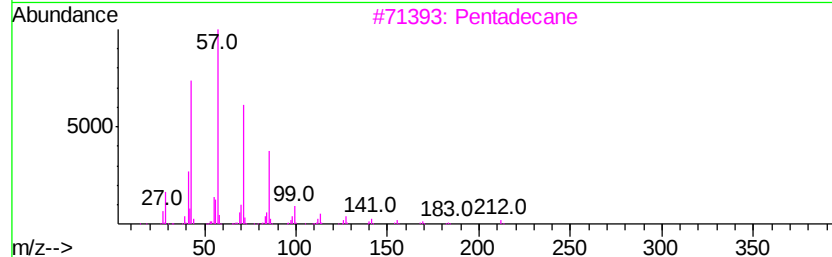
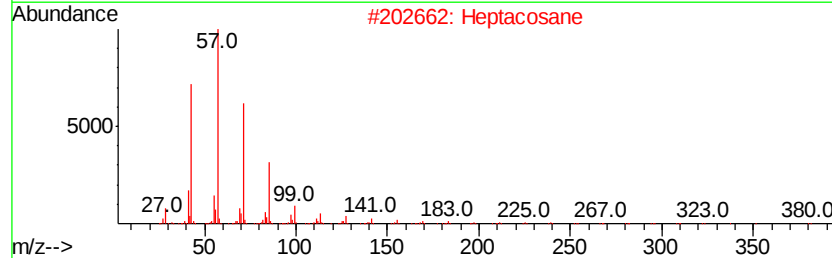
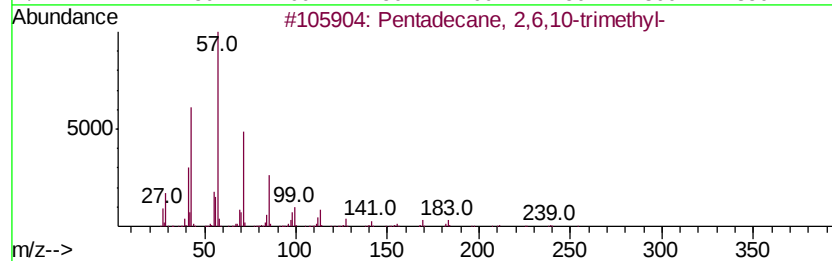
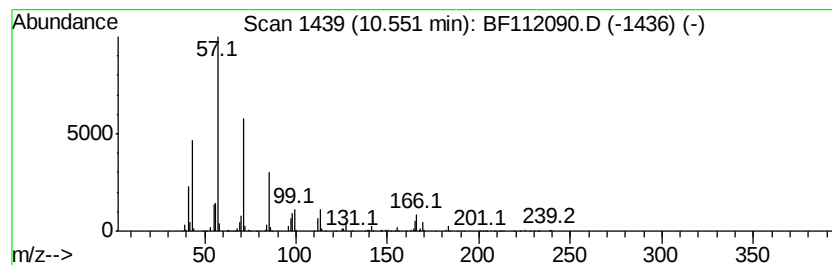
Instrument :  
BNA\_F  
ClientSampleId :  
CLOVER-YARD-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 19 Pentadecane, 2,6,10-trimethyl- Concentration Rank 15

| R.T.    | EstConc | Area                               | Relative to ISTD | R.T.           |
|---------|---------|------------------------------------|------------------|----------------|
| 10.55   | 4.24 ng | 551060                             | Acenaphthene-d10 | 9.90           |
| Hit# of | 5       | Tentative ID                       | MW MolForm       | CAS# Qual      |
| 1       |         | Pentadecane, 2,6,10-trimethyl-     | 254 C18H38       | 003892-00-0 86 |
| 2       |         | Heptacosane                        | 380 C27H56       | 000593-49-7 72 |
| 3       |         | Pentadecane                        | 212 C15H32       | 000629-62-9 68 |
| 4       |         | Hexadecane, 2,6,10,14-tetramethyl- | 282 C20H42       | 000638-36-8 64 |
| 5       |         | Undecane, 4,6-dimethyl-            | 184 C13H28       | 017312-82-2 62 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011719\  
Data File : BF112090.D  
Acq On : 17 Jan 2019 15:38  
Operator : JU/SJ  
Sample : K1167-11  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

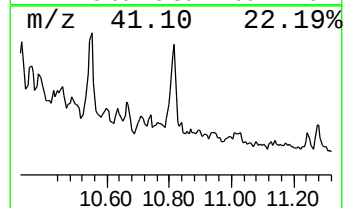
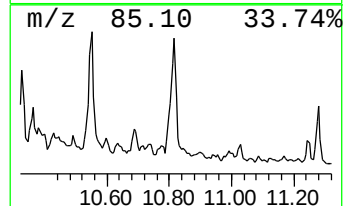
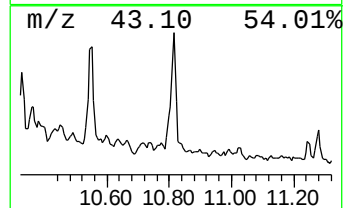
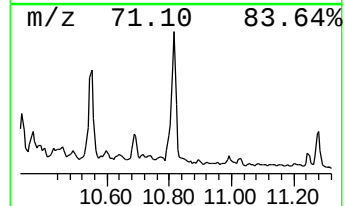
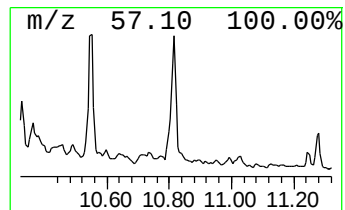
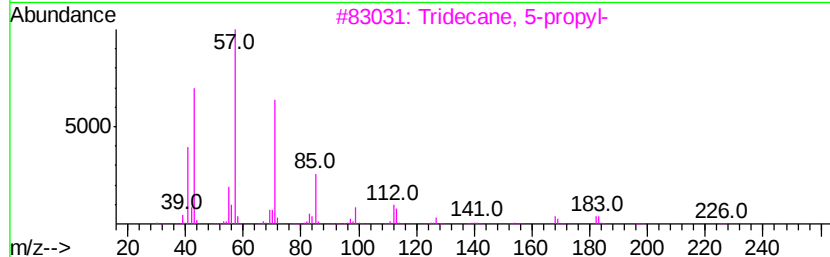
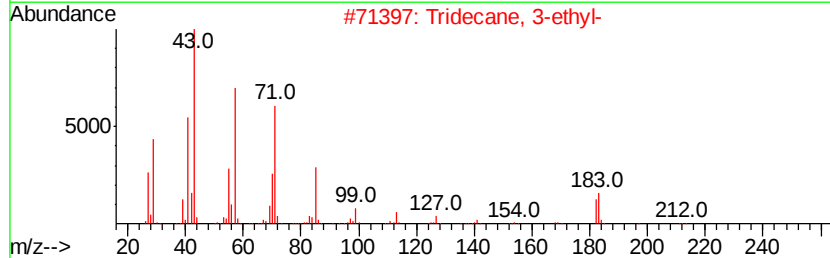
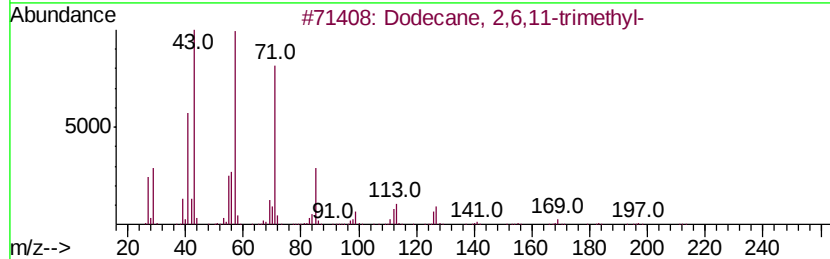
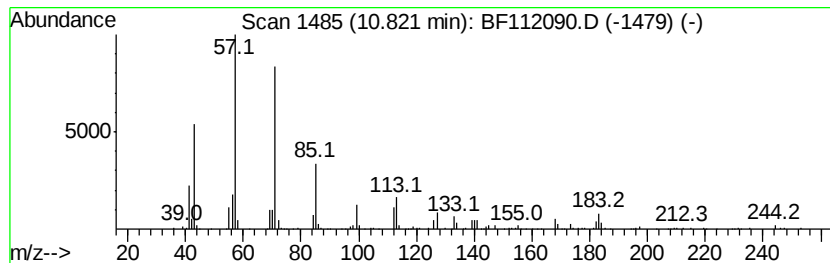
Instrument :  
BNA\_F  
ClientSampleId :  
CLOVER-YARD-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 20 Dodecane, 2,6,11-trimethyl- Concentration Rank 9

| R.T.      | EstConc                       | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------|--------|------------------|-------------|------|
| 10.82     | 5.57 ng                       | 575929 | Phenanthrene-d10 | 11.39       |      |
| Hit# of 5 | Tentative ID                  | MW     | MolForm          | CAS#        | Qual |
| 1         | Dodecane, 2,6,11-trimethyl-   | 212    | C15H32           | 031295-56-4 | 91   |
| 2         | Tridecane, 3-ethyl-           | 212    | C15H32           | 013286-73-2 | 87   |
| 3         | Tridecane, 5-propyl-          | 226    | C16H34           | 055045-11-9 | 86   |
| 4         | Dodecane, 2,7,10-trimethyl-   | 212    | C15H32           | 074645-98-0 | 80   |
| 5         | Hexadecane, 2,6,10-trimethyl- | 268    | C19H40           | 055000-52-7 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF011719\  
 Data File : BF112090.D  
 Acq On : 17 Jan 2019 15:38  
 Operator : JU/SJ  
 Sample : K1167-11  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CLOVER-YARD-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF011619.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 5.09  | 4.5     | ng    | 479293   | 1                     | 6.86  | 2143040 | 20.0 |
| unknown6.64          | 6.64  | 73.8    | ng    | 7913570  | 1                     | 6.86  | 2143040 | 20.0 |
| Benzene, 1-etheny... | 6.70  | 4.1     | ng    | 436674   | 1                     | 6.86  | 2143040 | 20.0 |
| 1-Ethyl-2,2,6-tri... | 7.13  | 4.5     | ng    | 476951   | 1                     | 6.86  | 2143040 | 20.0 |
| Benzene, 1-methyl... | 8.36  | 6.3     | ng    | 854855   | 2                     | 8.15  | 2695410 | 20.0 |
| o-Cymene             | 8.42  | 6.8     | ng    | 912536   | 2                     | 8.15  | 2695410 | 20.0 |
| Octane, 2,6-dimet... | 8.57  | 11.8    | ng    | 1584900  | 2                     | 8.15  | 2695410 | 20.0 |
| Cyclohexane, 1,2,... | 8.69  | 5.9     | ng    | 795050   | 2                     | 8.15  | 2695410 | 20.0 |
| Undecane, 5-ethyl-   | 8.83  | 4.0     | ng    | 543843   | 2                     | 8.15  | 2695410 | 20.0 |
| unknown8.93          | 8.93  | 4.5     | ng    | 606245   | 2                     | 8.15  | 2695410 | 20.0 |
| unknown9.03          | 9.03  | 4.5     | ng    | 586477   | 3                     | 9.90  | 2596760 | 20.0 |
| Heptylcyclohexane    | 9.05  | 4.2     | ng    | 541029   | 3                     | 9.90  | 2596760 | 20.0 |
| Dodecane, 2,6,10-... | 9.17  | 12.3    | ng    | 1594940  | 3                     | 9.90  | 2596760 | 20.0 |
| unknown9.30          | 9.30  | 10.9    | ng    | 1421300  | 3                     | 9.90  | 2596760 | 20.0 |
| unknown9.35          | 9.35  | 4.7     | ng    | 603684   | 3                     | 9.90  | 2596760 | 20.0 |
| Tridecane, 4-cycl... | 10.16 | 3.9     | ng    | 505010   | 3                     | 9.90  | 2596760 | 20.0 |
| Pentadecane, 2,6,... | 10.55 | 4.2     | ng    | 551060   | 3                     | 9.90  | 2596760 | 20.0 |
| Dodecane, 2,6,11-... | 10.82 | 5.6     | ng    | 575929   | 4                     | 11.39 | 2066270 | 20.0 |