

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF092820\  
 Data File : BF121719.D  
 Acq On : 28 Sep 2020 18:44  
 Operator : JU/CG  
 Sample : L4154-01 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-1(1-2)

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-BF091020.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.410       | 561           | 565         | 574          | rVB      | 606988         | 594447        | 15.41%          | 0.835%        |
| 2         | 6.428       | 734           | 738         | 743          | rBV      | 720448         | 643624        | 16.68%          | 0.904%        |
| 3         | 6.634       | 769           | 773         | 775          | rBV      | 221437         | 193630        | 5.02%           | 0.272%        |
| 4         | 6.793       | 796           | 800         | 807          | rVB      | 998785         | 1011260       | 26.21%          | 1.421%        |
| 5         | 7.187       | 862           | 867         | 870          | rBV2     | 184730         | 194192        | 5.03%           | 0.273%        |
| 6         | 7.334       | 885           | 892         | 893          | rBV2     | 126279         | 187578        | 4.86%           | 0.264%        |
| 7         | 7.357       | 893           | 896         | 900          | rVV      | 504886         | 520466        | 13.49%          | 0.731%        |
| 8         | 7.398       | 900           | 903         | 906          | rVB      | 660868         | 584254        | 15.14%          | 0.821%        |
| 9         | 7.445       | 906           | 911         | 914          | rVB5     | 152569         | 212280        | 5.50%           | 0.298%        |
| 10        | 7.604       | 935           | 938         | 941          | rVB2     | 179864         | 184274        | 4.78%           | 0.259%        |
| 11        | 7.722       | 956           | 958         | 962          | rVB4     | 183124         | 194389        | 5.04%           | 0.273%        |
| 12        | 7.769       | 962           | 966         | 968          | rVB2     | 174012         | 204820        | 5.31%           | 0.288%        |
| 13        | 7.798       | 968           | 971         | 973          | rBV      | 212531         | 176720        | 4.58%           | 0.248%        |
| 14        | 7.834       | 973           | 977         | 981          | rVB3     | 275601         | 361458        | 9.37%           | 0.508%        |
| 15        | 7.951       | 994           | 997         | 1001         | rBV3     | 130142         | 192601        | 4.99%           | 0.271%        |
| 16        | 8.034       | 1006          | 1011        | 1013         | rBV5     | 106394         | 176175        | 4.57%           | 0.248%        |
| 17        | 8.063       | 1013          | 1016        | 1018         | rVV      | 1524333        | 1619964       | 41.99%          | 2.276%        |
| 18        | 8.081       | 1018          | 1019        | 1022         | rVV      | 1481334        | 796200        | 20.64%          | 1.119%        |
| 19        | 8.145       | 1025          | 1030        | 1032         | rVB      | 675347         | 686497        | 17.79%          | 0.965%        |
| 20        | 8.169       | 1032          | 1034        | 1037         | rBV4     | 181147         | 186567        | 4.84%           | 0.262%        |
| 21        | 8.234       | 1042          | 1045        | 1047         | rBV4     | 130030         | 165352        | 4.29%           | 0.232%        |
| 22        | 8.287       | 1051          | 1054        | 1056         | rVB2     | 281782         | 277618        | 7.20%           | 0.390%        |
| 23        | 8.375       | 1063          | 1069        | 1071         | rBV4     | 342571         | 506882        | 13.14%          | 0.712%        |
| 24        | 8.428       | 1075          | 1078        | 1080         | rBV2     | 279386         | 221004        | 5.73%           | 0.311%        |
| 25        | 8.457       | 1080          | 1083        | 1087         | rVB2     | 452003         | 460585        | 11.94%          | 0.647%        |
| 26        | 8.504       | 1087          | 1091        | 1093         | rBV      | 1280481        | 1103298       | 28.60%          | 1.550%        |
| 27        | 8.545       | 1096          | 1098        | 1101         | rVB3     | 213105         | 174510        | 4.52%           | 0.245%        |
| 28        | 8.587       | 1102          | 1105        | 1107         | rVB2     | 269001         | 221822        | 5.75%           | 0.312%        |
| 29        | 8.622       | 1107          | 1111        | 1113         | rBV3     | 289766         | 299757        | 7.77%           | 0.421%        |
| 30        | 8.675       | 1116          | 1120        | 1123         | rBV      | 2619512        | 2130507       | 55.23%          | 2.994%        |
| 31        | 8.734       | 1128          | 1130        | 1133         | rVB2     | 151793         | 157946        | 4.09%           | 0.222%        |
| 32        | 8.769       | 1133          | 1136        | 1139         | rVB2     | 421187         | 415970        | 10.78%          | 0.585%        |
| 33        | 8.869       | 1149          | 1153        | 1154         | rBV3     | 167558         | 244626        | 6.34%           | 0.344%        |
| 34        | 8.957       | 1165          | 1168        | 1169         | rBV      | 398492         | 348773        | 9.04%           | 0.490%        |

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 Sample : L4154-01 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-1(1-2)

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-BF091020.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 9.004  | 1174 | 1176 | 1178 | rVB  | 289646  | 179768  | 4.66%  | 0.253% |
| 36 | 9.039  | 1179 | 1182 | 1185 | rVB  | 586067  | 506811  | 13.14% | 0.712% |
| 37 | 9.075  | 1185 | 1188 | 1190 | rBV  | 519301  | 430596  | 11.16% | 0.605% |
| 38 | 9.104  | 1190 | 1193 | 1198 | rVB  | 1530329 | 1207434 | 31.30% | 1.697% |
| 39 | 9.151  | 1198 | 1201 | 1204 | rBV  | 1005302 | 787468  | 20.41% | 1.107% |
| 40 | 9.239  | 1211 | 1216 | 1220 | rBV  | 3519553 | 3572929 | 92.62% | 5.021% |
| 41 | 9.281  | 1220 | 1223 | 1225 | rBV2 | 269033  | 288164  | 7.47%  | 0.405% |
| 42 | 9.351  | 1233 | 1235 | 1238 | rVB3 | 200835  | 184009  | 4.77%  | 0.259% |
| 43 | 9.428  | 1246 | 1248 | 1250 | rVB2 | 252677  | 182454  | 4.73%  | 0.256% |
| 44 | 9.469  | 1253 | 1255 | 1257 | rVV2 | 173539  | 198947  | 5.16%  | 0.280% |
| 45 | 9.492  | 1257 | 1259 | 1261 | rVV2 | 641775  | 588595  | 15.26% | 0.827% |
| 46 | 9.516  | 1261 | 1263 | 1265 | rVB2 | 537165  | 400808  | 10.39% | 0.563% |
| 47 | 9.557  | 1265 | 1270 | 1272 | rBV2 | 2000905 | 2532717 | 65.65% | 3.559% |
| 48 | 9.581  | 1272 | 1274 | 1277 | rVV  | 701298  | 614829  | 15.94% | 0.864% |
| 49 | 9.616  | 1277 | 1280 | 1283 | rVB2 | 572875  | 452060  | 11.72% | 0.635% |
| 50 | 9.651  | 1283 | 1286 | 1291 | rVB5 | 229378  | 370716  | 9.61%  | 0.521% |
| 51 | 9.704  | 1291 | 1295 | 1297 | rBV3 | 421752  | 546168  | 14.16% | 0.767% |
| 52 | 9.745  | 1299 | 1302 | 1303 | rVV2 | 566440  | 461359  | 11.96% | 0.648% |
| 53 | 9.769  | 1303 | 1306 | 1309 | rVV  | 3544659 | 3113146 | 80.70% | 4.375% |
| 54 | 9.810  | 1310 | 1313 | 1314 | rBV3 | 459756  | 470076  | 12.19% | 0.661% |
| 55 | 9.834  | 1314 | 1317 | 1320 | rVB  | 1576043 | 1383743 | 35.87% | 1.944% |
| 56 | 9.939  | 1332 | 1335 | 1339 | rVB3 | 305925  | 335427  | 8.69%  | 0.471% |
| 57 | 9.998  | 1342 | 1345 | 1348 | rVV3 | 469222  | 666679  | 17.28% | 0.937% |
| 58 | 10.028 | 1348 | 1350 | 1353 | rVV2 | 728067  | 666676  | 17.28% | 0.937% |
| 59 | 10.057 | 1353 | 1355 | 1357 | rVV  | 380638  | 299297  | 7.76%  | 0.421% |
| 60 | 10.086 | 1357 | 1360 | 1364 | rVB3 | 910711  | 1101620 | 28.56% | 1.548% |
| 61 | 10.122 | 1364 | 1366 | 1369 | rVB  | 422847  | 342562  | 8.88%  | 0.481% |
| 62 | 10.151 | 1369 | 1371 | 1373 | rBV2 | 292905  | 285624  | 7.40%  | 0.401% |
| 63 | 10.204 | 1378 | 1380 | 1384 | rVB3 | 290655  | 309232  | 8.02%  | 0.435% |
| 64 | 10.245 | 1384 | 1387 | 1388 | rBV2 | 282449  | 311690  | 8.08%  | 0.438% |
| 65 | 10.269 | 1388 | 1391 | 1394 | rVV  | 3558872 | 3053923 | 79.16% | 4.291% |
| 66 | 10.292 | 1394 | 1395 | 1398 | rVB2 | 256958  | 221978  | 5.75%  | 0.312% |
| 67 | 10.322 | 1398 | 1400 | 1405 | rVB6 | 332063  | 443260  | 11.49% | 0.623% |
| 68 | 10.375 | 1406 | 1409 | 1411 | rBV3 | 253254  | 325096  | 8.43%  | 0.457% |
| 69 | 10.486 | 1423 | 1428 | 1434 | rBV  | 2069076 | 2612535 | 67.72% | 3.671% |
| 70 | 10.539 | 1434 | 1437 | 1440 | rVB2 | 444634  | 394383  | 10.22% | 0.554% |
| 71 | 10.569 | 1440 | 1442 | 1446 | rBV2 | 501439  | 561072  | 14.54% | 0.788% |

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Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-1(1-2)

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-BF091020.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 10.604 | 1446 | 1448 | 1450 | rBV  | 585557  | 510476  | 13.23%  | 0.717% |
| 73  | 10.745 | 1468 | 1472 | 1473 | rBV  | 3475662 | 3857815 | 100.00% | 5.421% |
| 74  | 10.933 | 1501 | 1504 | 1505 | rBV  | 432937  | 402931  | 10.44%  | 0.566% |
| 75  | 10.998 | 1513 | 1515 | 1517 | rVB  | 268943  | 163850  | 4.25%   | 0.230% |
| 76  | 11.022 | 1517 | 1519 | 1522 | rBV  | 242107  | 210138  | 5.45%   | 0.295% |
| 77  | 11.192 | 1544 | 1548 | 1550 | rBV  | 2777578 | 2604095 | 67.50%  | 3.659% |
| 78  | 11.222 | 1550 | 1553 | 1558 | rVB  | 2160700 | 2163255 | 56.07%  | 3.040% |
| 79  | 11.322 | 1567 | 1570 | 1572 | rBV  | 1446958 | 1232154 | 31.94%  | 1.731% |
| 80  | 11.363 | 1575 | 1577 | 1582 | rVB  | 256278  | 372163  | 9.65%   | 0.523% |
| 81  | 11.433 | 1587 | 1589 | 1591 | rVV2 | 281436  | 217879  | 5.65%   | 0.306% |
| 82  | 11.457 | 1591 | 1593 | 1597 | rVV  | 331587  | 290875  | 7.54%   | 0.409% |
| 83  | 11.498 | 1597 | 1600 | 1603 | rVB  | 355205  | 307444  | 7.97%   | 0.432% |
| 84  | 11.569 | 1609 | 1612 | 1615 | rVV  | 589204  | 588081  | 15.24%  | 0.826% |
| 85  | 11.616 | 1616 | 1620 | 1623 | rVB  | 2799881 | 2243070 | 58.14%  | 3.152% |
| 86  | 11.775 | 1645 | 1647 | 1649 | rBV  | 230626  | 219764  | 5.70%   | 0.309% |
| 87  | 11.845 | 1657 | 1659 | 1662 | rVB  | 231889  | 178920  | 4.64%   | 0.251% |
| 88  | 12.022 | 1686 | 1689 | 1692 | rVB  | 2169798 | 1771210 | 45.91%  | 2.489% |
| 89  | 12.175 | 1712 | 1715 | 1717 | rBV2 | 139666  | 184971  | 4.79%   | 0.260% |
| 90  | 12.298 | 1733 | 1736 | 1739 | rBV  | 374404  | 348607  | 9.04%   | 0.490% |
| 91  | 12.369 | 1745 | 1748 | 1751 | rVB2 | 248071  | 251869  | 6.53%   | 0.354% |
| 92  | 12.410 | 1751 | 1755 | 1758 | rBV  | 1685382 | 1437844 | 37.27%  | 2.020% |
| 93  | 12.757 | 1811 | 1814 | 1815 | rBV  | 228052  | 195728  | 5.07%   | 0.275% |
| 94  | 12.780 | 1815 | 1818 | 1821 | rVB  | 1077540 | 963931  | 24.99%  | 1.355% |
| 95  | 12.898 | 1835 | 1838 | 1847 | rVB  | 949138  | 1021759 | 26.49%  | 1.436% |
| 96  | 13.133 | 1875 | 1878 | 1882 | rBV  | 713718  | 604914  | 15.68%  | 0.850% |
| 97  | 13.474 | 1933 | 1936 | 1940 | rVB  | 414823  | 344556  | 8.93%   | 0.484% |
| 98  | 13.804 | 1989 | 1992 | 2002 | rVB  | 286387  | 343544  | 8.91%   | 0.483% |
| 99  | 13.957 | 2013 | 2018 | 2020 | rBV  | 991671  | 1020841 | 26.46%  | 1.434% |
| 100 | 15.404 | 2259 | 2264 | 2274 | rVB  | 772317  | 1057951 | 27.42%  | 1.487% |

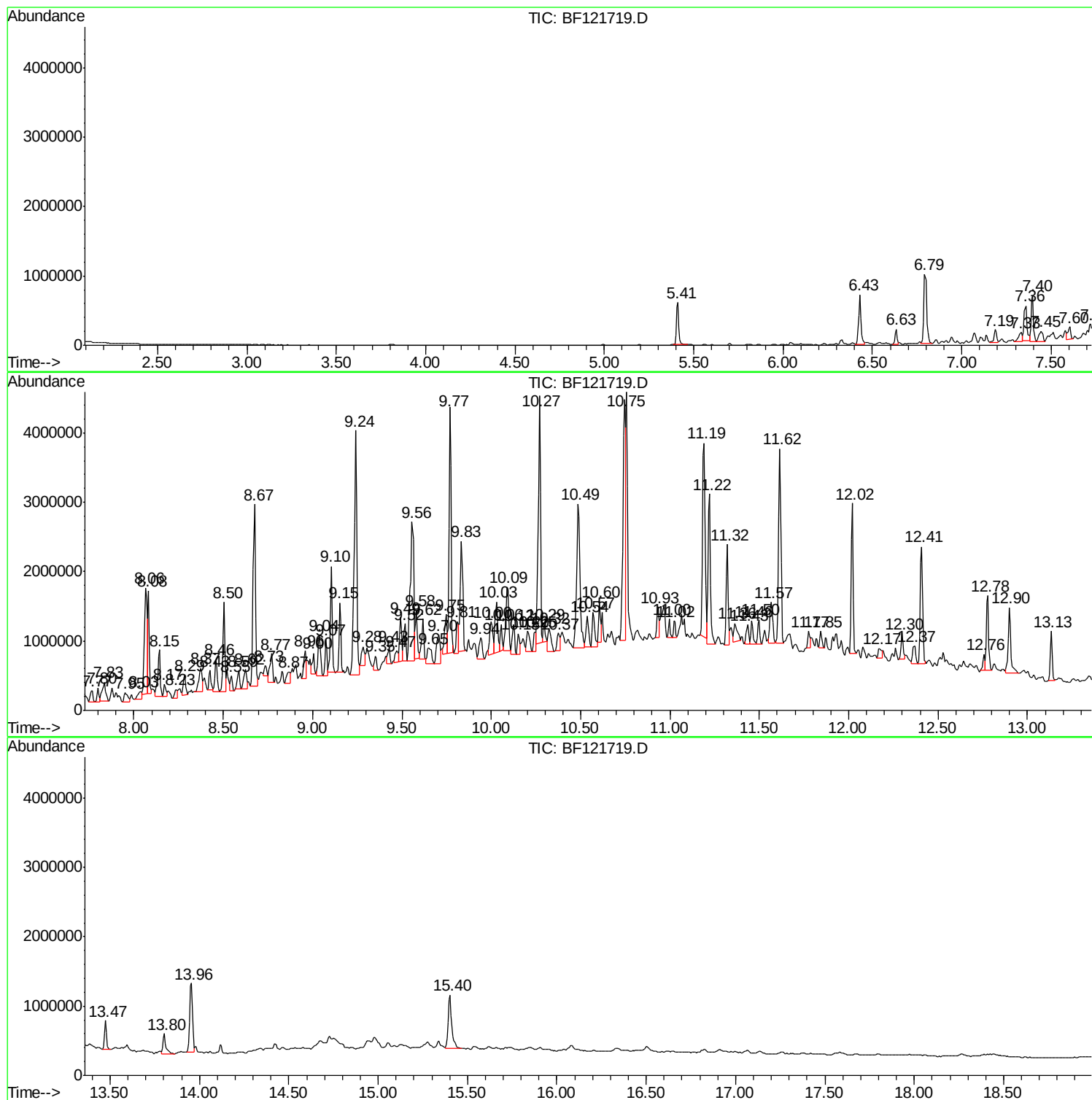
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Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\  
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Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-1(1-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.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\BF092820\  
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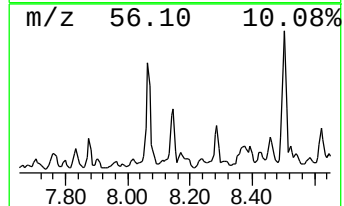
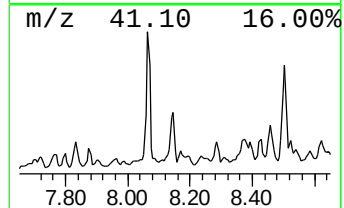
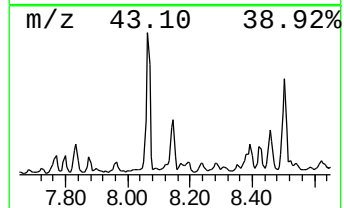
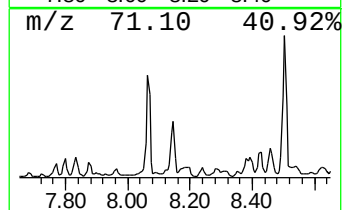
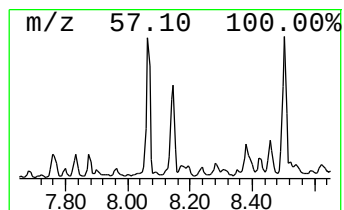
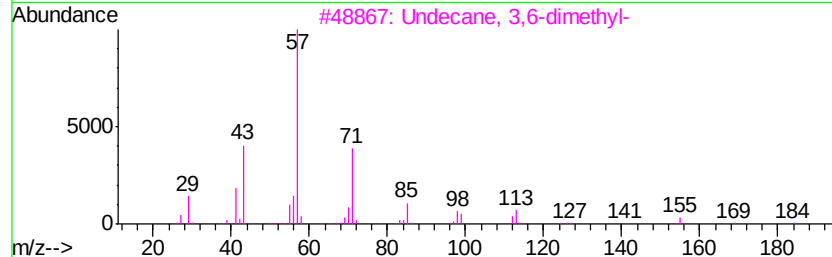
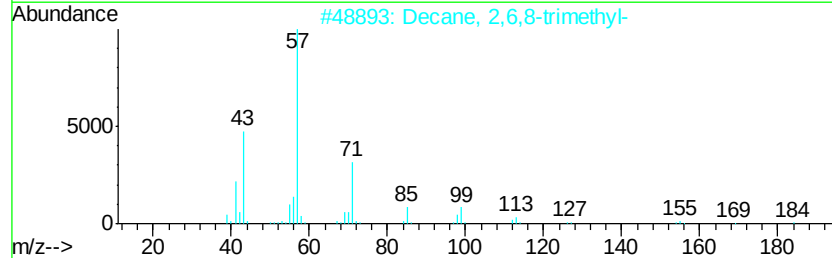
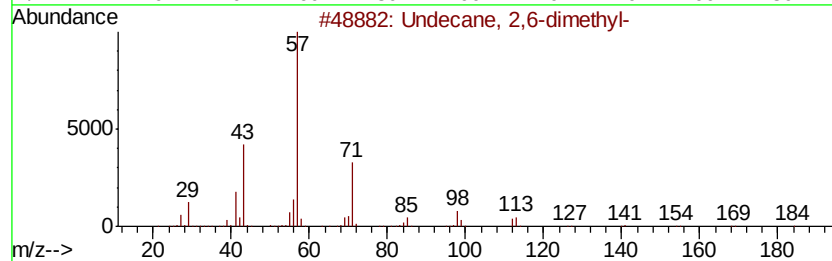
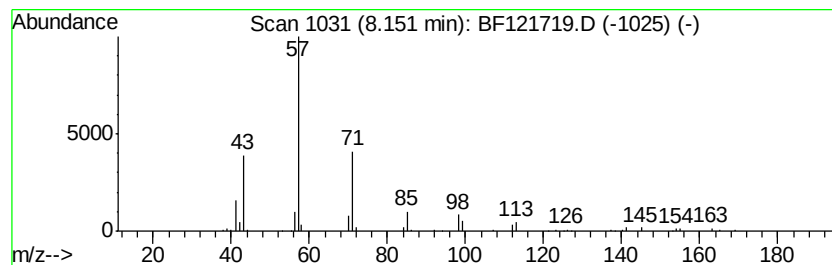
Instrument :  
BNA\_F  
ClientSampleId :  
B-1(1-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Undecane, 2,6-dimethyl- Concentration Rank 14

| R.T.    | EstConc                  | Area         | Relative to ISTD | R.T.        |      |      |
|---------|--------------------------|--------------|------------------|-------------|------|------|
| 8.15    | 17.24 ng                 | 686497       | Napthalene-d8    | 8.08        |      |      |
| Hit# of | 5                        | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | Undecane, 2,6-dimethyl-  | 184          | C13H28           | 017301-23-4 | 97   |      |
| 2       | Decane, 2,6,8-trimethyl- | 184          | C13H28           | 062108-26-3 | 80   |      |
| 3       | Undecane, 3,6-dimethyl-  | 184          | C13H28           | 017301-28-9 | 78   |      |
| 4       | Decane, 2,5,9-trimethyl- | 184          | C13H28           | 062108-22-9 | 72   |      |
| 5       | Undecane, 3,5-dimethyl-  | 184          | C13H28           | 017312-81-1 | 72   |      |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

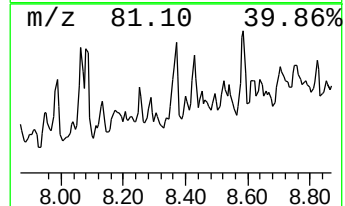
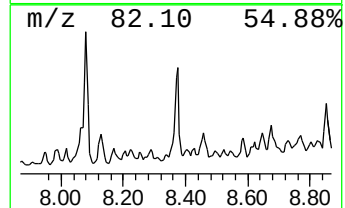
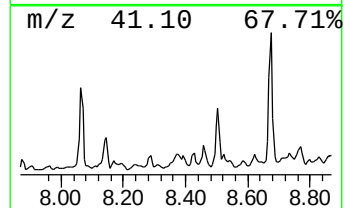
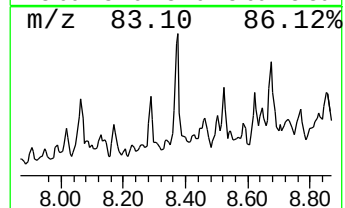
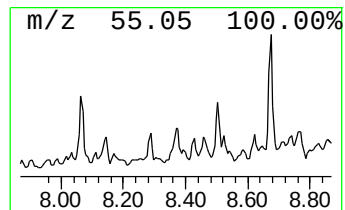
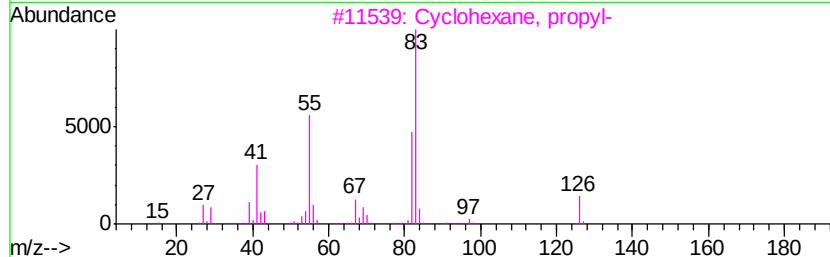
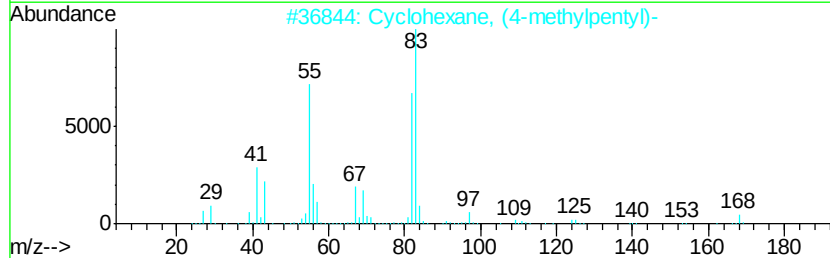
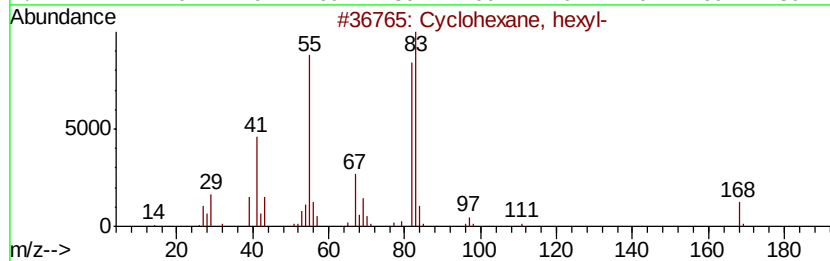
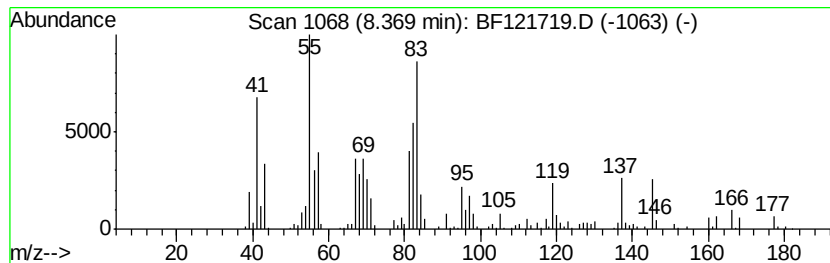
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown8.37 Concentration Rank 16

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 8.37 | 12.73 ng | 506882 | Napthalene-d8    | 8.08 |

| Hit# | of | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------------|-----|---------|-------------|------|
| 1    | 5  | Cyclohexane, hexyl-             | 168 | C12H24  | 004292-75-5 | 43   |
| 2    |    | Cyclohexane, (4-methylpentyl)-  | 168 | C12H24  | 061142-20-9 | 43   |
| 3    |    | Cyclohexane, propyl-            | 126 | C9H18   | 001678-92-8 | 38   |
| 4    |    | Cyclohexane, 2-propenyl-        | 124 | C9H16   | 002114-42-3 | 38   |
| 5    |    | Cyclohexane, 1,1'-methylenebis- | 180 | C13H24  | 003178-23-2 | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\  
Data File : BF121719.D  
Acq On : 28 Sep 2020 18:44  
Operator : JU/CG  
Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-1(1-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

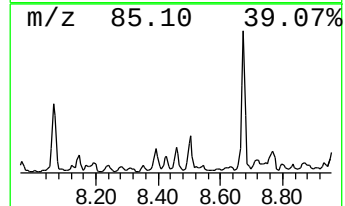
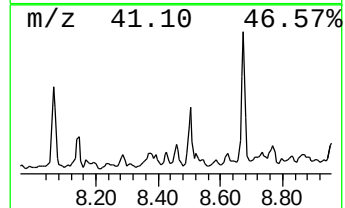
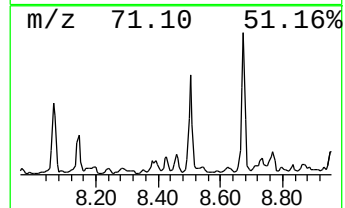
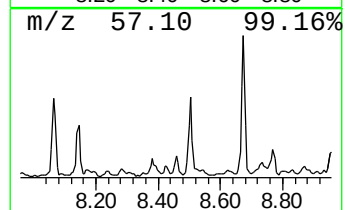
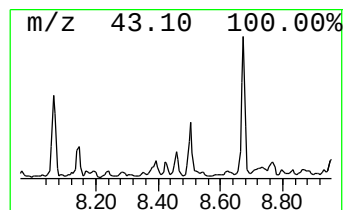
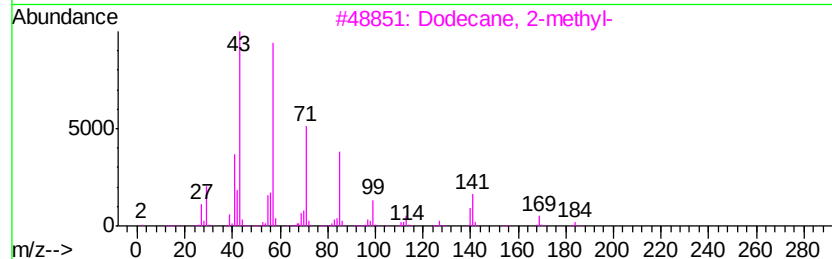
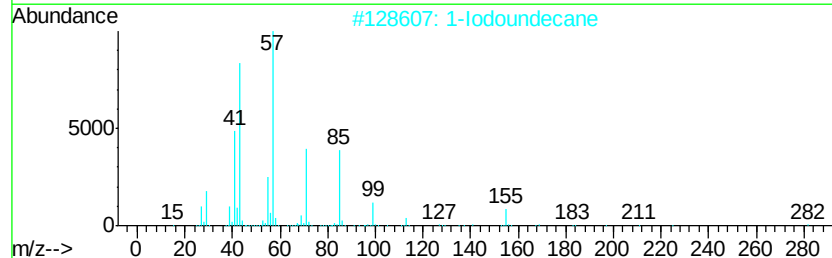
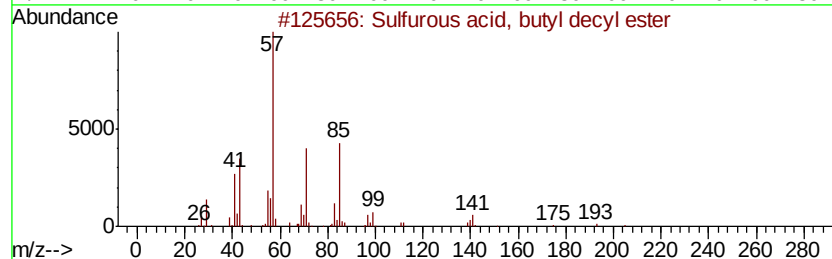
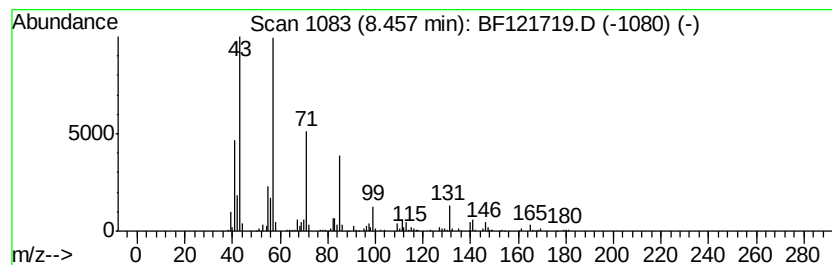
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TIC Integration Parameters: LSCINT.P

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Peak Number 3 Sulfurous acid, butyl decyl... Concentration Rank 18

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 8.46 | 11.57 ng | 460585 | Naphthalene-d8   | 8.08 |

| Hit# of | 5 | Tentative ID                      | MW  | MolForm   | CAS#         | Qual |
|---------|---|-----------------------------------|-----|-----------|--------------|------|
| 1       |   | Sulfurous acid, butyl decyl ester | 278 | C14H30O3S | 1000309-17-7 | 80   |
| 2       |   | 1-Iodoundecane                    | 282 | C11H23I   | 004282-44-4  | 72   |
| 3       |   | Dodecane, 2-methyl-               | 184 | C13H28    | 001560-97-0  | 64   |
| 4       |   | 1-Iodo-2-methylnonane             | 268 | C10H21I   | 1000101-47-9 | 64   |
| 5       |   | Undecane                          | 156 | C11H24    | 001120-21-4  | 59   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\  
Data File : BF121719.D  
Acq On : 28 Sep 2020 18:44  
Operator : JU/CG  
Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

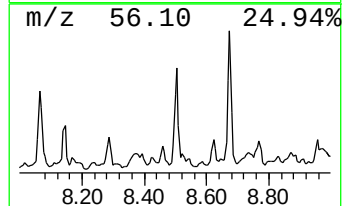
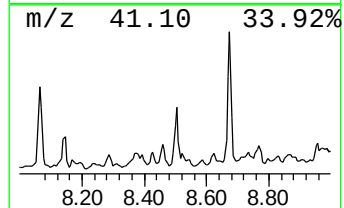
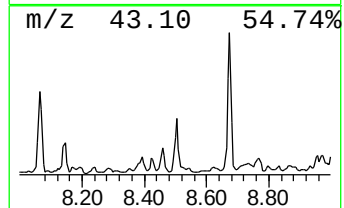
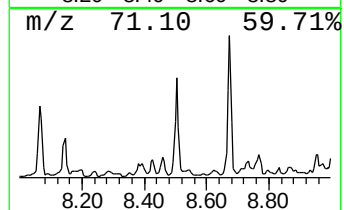
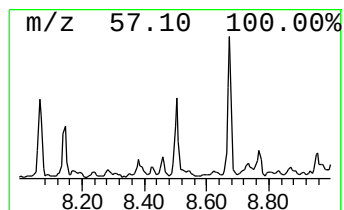
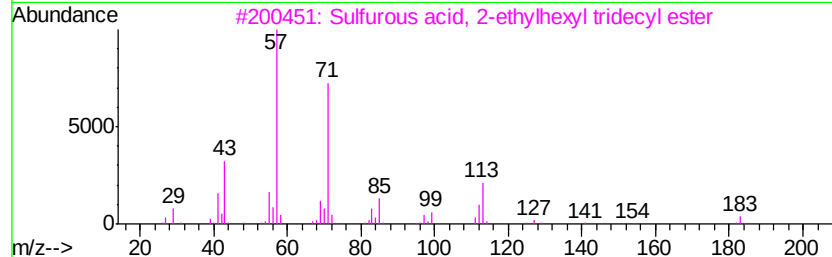
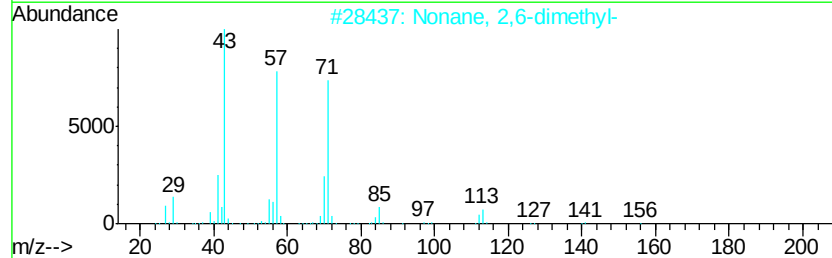
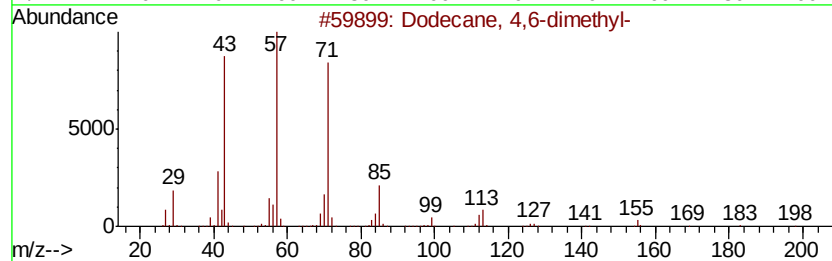
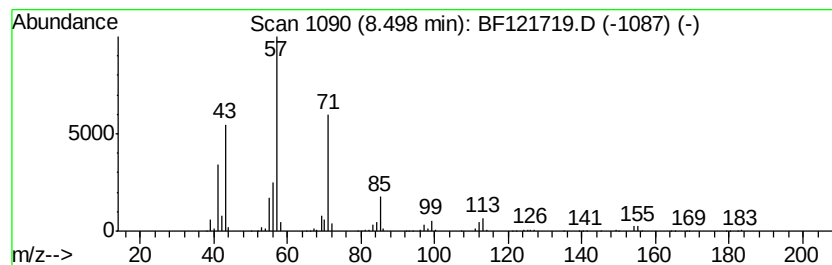
Instrument :  
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ClientSampleId :  
B-1(1-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Dodecane, 4,6-dimethyl- Concentration Rank 12

| R.T.    | EstConc                             | Area          | Relative to ISTD | R.T.      |
|---------|-------------------------------------|---------------|------------------|-----------|
| 8.50    | 27.71 ng                            | 1103300       | Napthalene-d8    | 8.08      |
| Hit# of | 5                                   | Tentative ID  | MW MolForm       | CAS# Qual |
| 1       | Dodecane, 4,6-dimethyl-             | 198 C14H30    | 061141-72-8      | 89        |
| 2       | Nonane, 2,6-dimethyl-               | 156 C11H24    | 017302-28-2      | 72        |
| 3       | Sulfurous acid, 2-ethylhexyl tri... | 376 C21H44O3S | 1000309-19-6     | 72        |
| 4       | Octane, 2,6-dimethyl-               | 142 C10H22    | 002051-30-1      | 64        |
| 5       | Heptadecane, 7-methyl-              | 254 C18H38    | 020959-33-5      | 64        |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\  
Data File : BF121719.D  
Acq On : 28 Sep 2020 18:44  
Operator : JU/CG  
Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-1(1-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

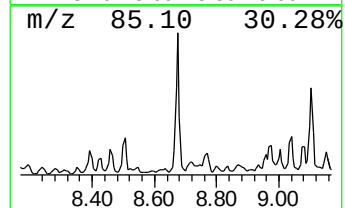
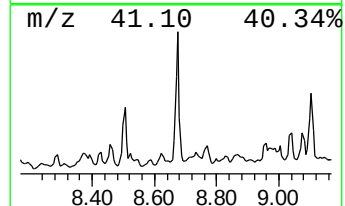
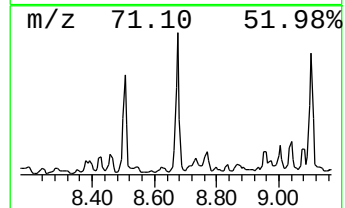
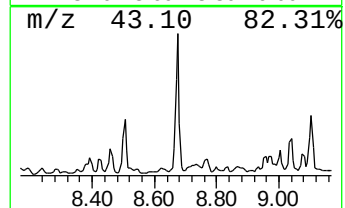
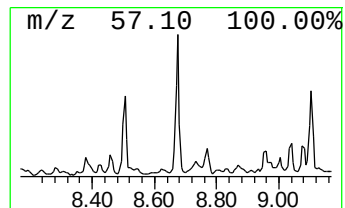
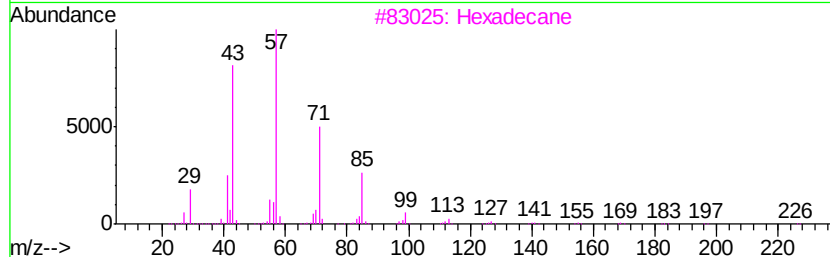
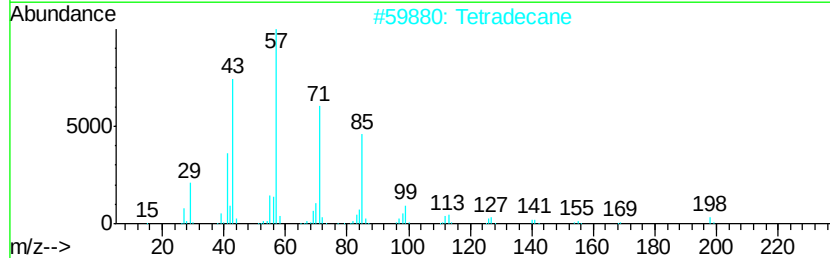
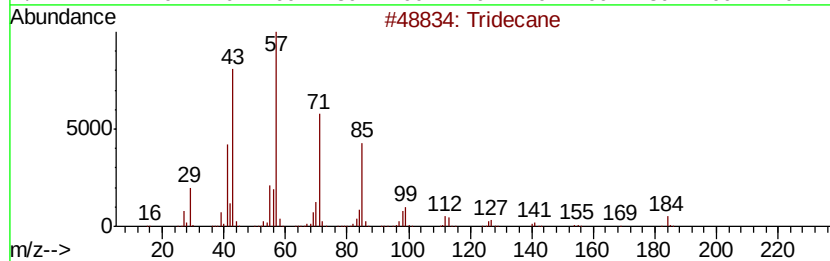
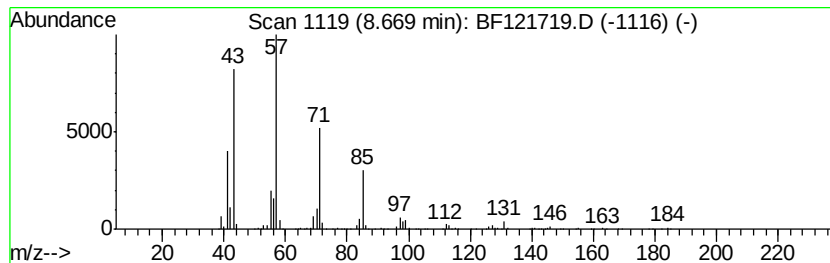
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Tridecane Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.67 | 53.52 ng | 2130510 | Napthalene-d8    | 8.08 |

| Hit# of | 5                        | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|--------------------------|--------------|-----|---------|-------------|------|
| 1       | Tridecane                |              | 184 | C13H28  | 000629-50-5 | 92   |
| 2       | Tetradecane              |              | 198 | C14H30  | 000629-59-4 | 86   |
| 3       | Hexadecane               |              | 226 | C16H34  | 000544-76-3 | 86   |
| 4       | Decane, 2,3,5-trimethyl- |              | 184 | C13H28  | 062238-11-3 | 86   |
| 5       | Undecane, 2,6-dimethyl-  |              | 184 | C13H28  | 017301-23-4 | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\  
Data File : BF121719.D  
Acq On : 28 Sep 2020 18:44  
Operator : JU/CG  
Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-1(1-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

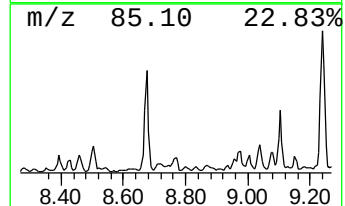
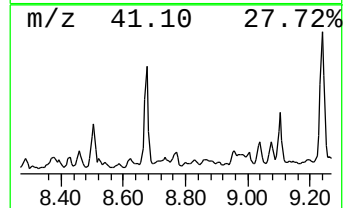
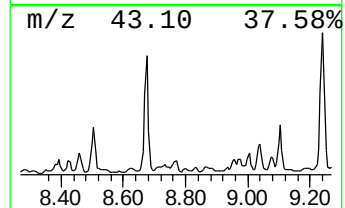
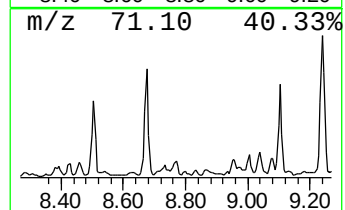
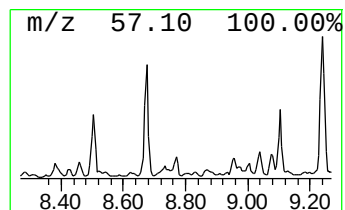
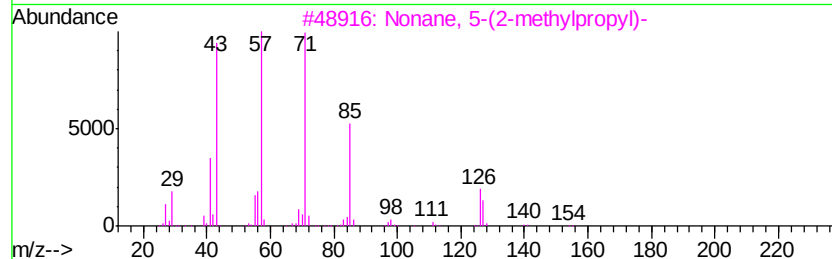
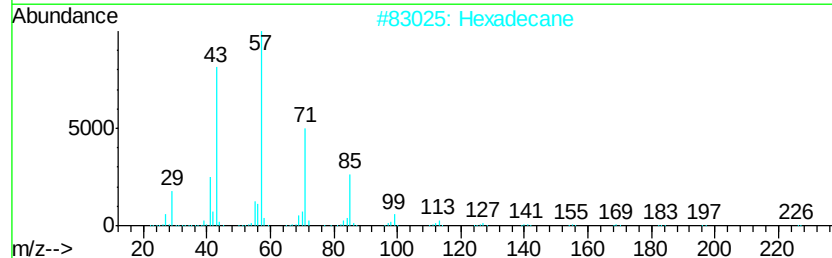
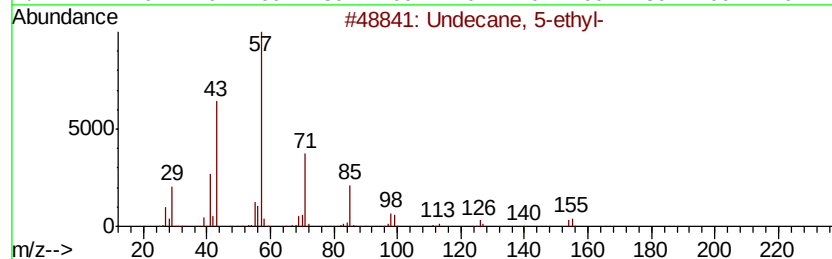
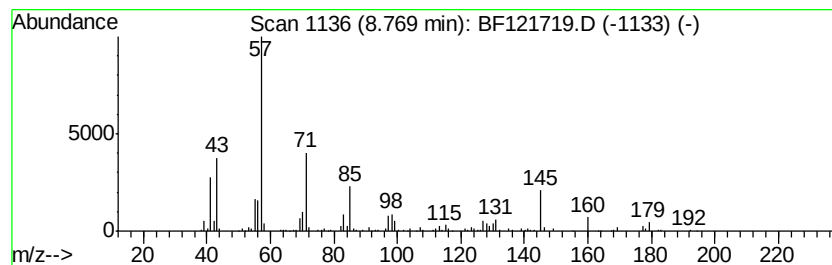
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 unknown8.77 Concentration Rank 19

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 8.77 | 10.45 ng | 415970 | Napthalene-d8    | 8.08 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Undecane, 5-ethyl-          | 184 | C13H28  | 017453-94-0 | 47   |
| 2    |    | Hexadecane                  | 226 | C16H34  | 000544-76-3 | 47   |
| 3    |    | Nonane, 5-(2-methylpropyl)- | 184 | C13H28  | 062185-53-9 | 43   |
| 4    |    | Tridecane, 1-iodo-          | 310 | C13H27I | 035599-77-0 | 43   |
| 5    |    | Dodecane, 6-methyl-         | 184 | C13H28  | 006044-71-9 | 38   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\  
Data File : BF121719.D  
Acq On : 28 Sep 2020 18:44  
Operator : JU/CG  
Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-1(1-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

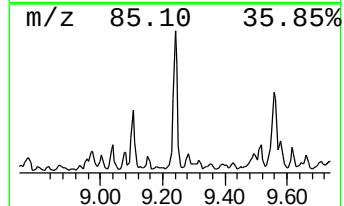
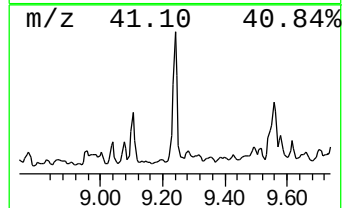
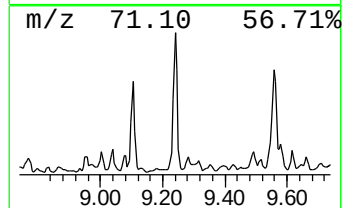
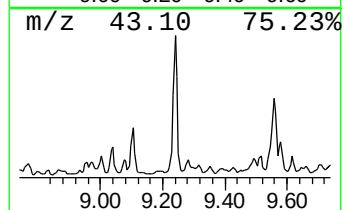
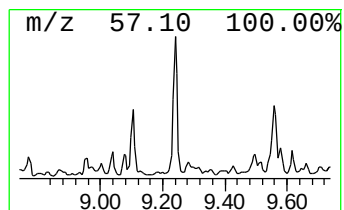
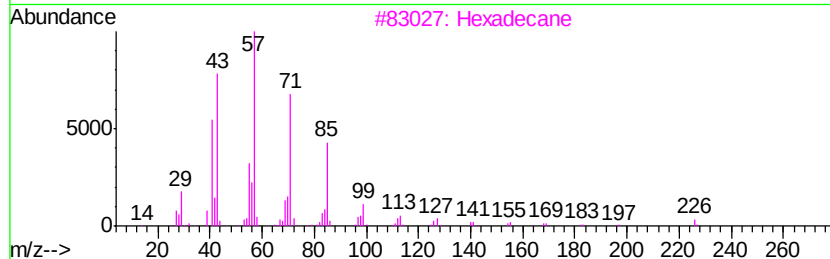
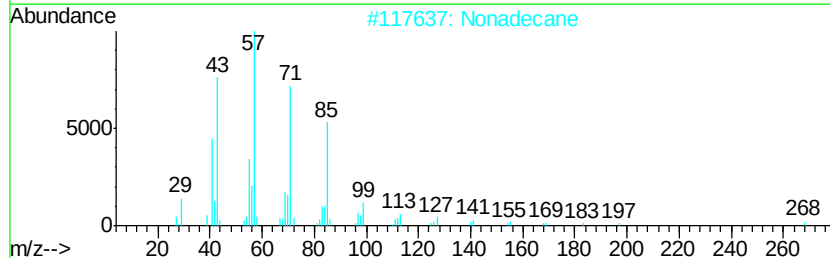
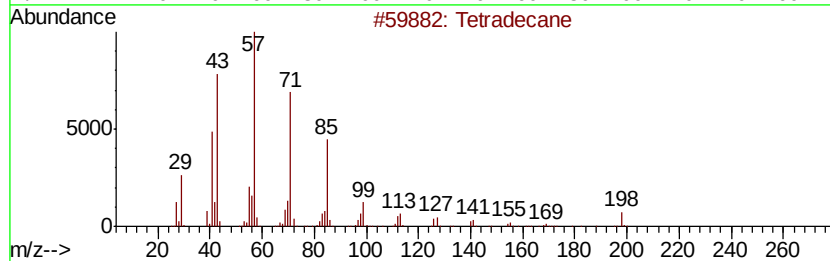
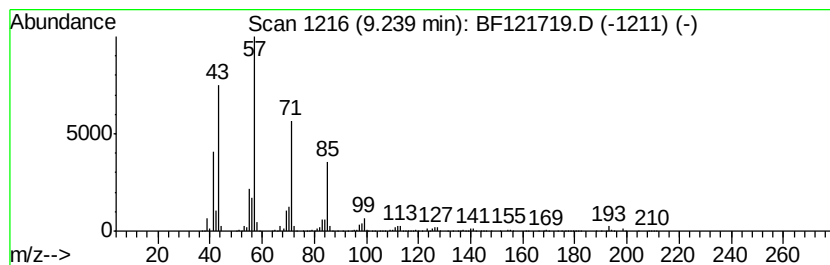
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Tetradecane Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.24 | 51.64 ng | 3572930 | Acenaphthene-d10 | 9.83 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Tetradecane              | 198 | C14H30  | 000629-59-4 | 94   |
| 2    |    | Nonadecane               | 268 | C19H40  | 000629-92-5 | 91   |
| 3    |    | Hexadecane               | 226 | C16H34  | 000544-76-3 | 91   |
| 4    |    | Decane, 2,3,5-trimethyl- | 184 | C13H28  | 062238-11-3 | 90   |
| 5    |    | Tridecane, 6-methyl-     | 198 | C14H30  | 013287-21-3 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\  
Data File : BF121719.D  
Acq On : 28 Sep 2020 18:44  
Operator : JU/CG  
Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-1(1-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

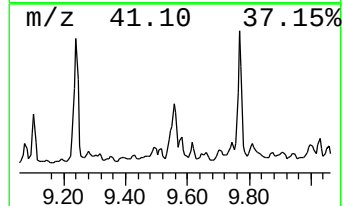
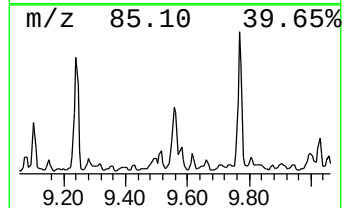
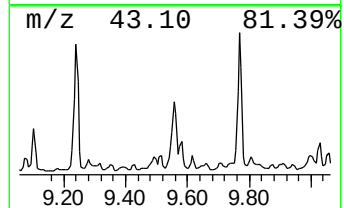
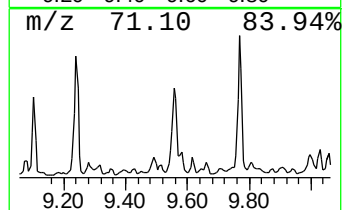
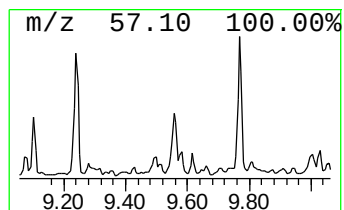
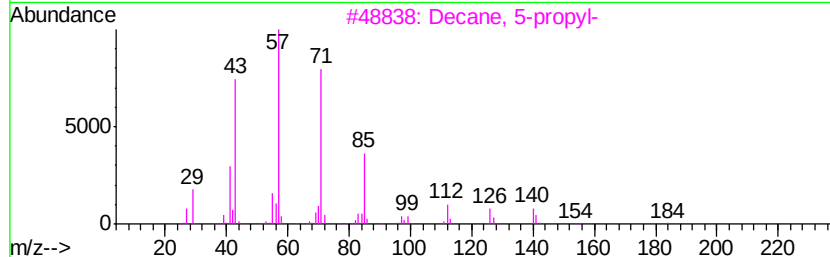
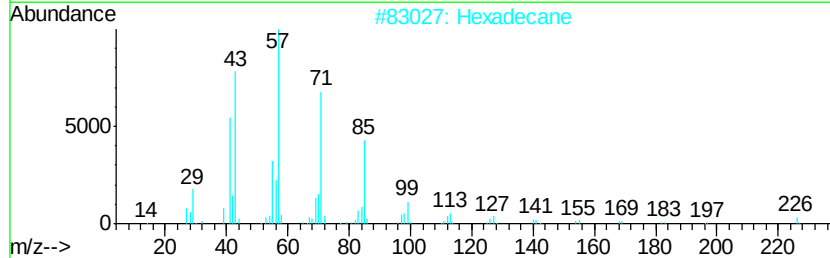
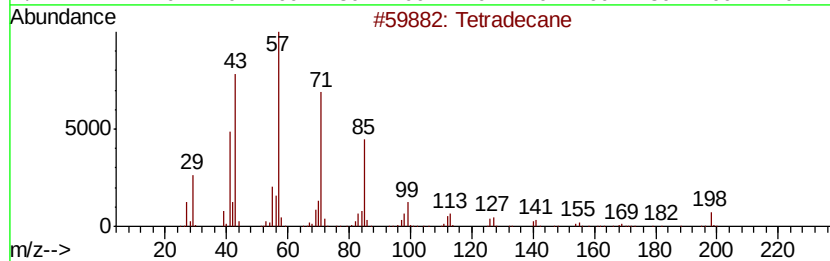
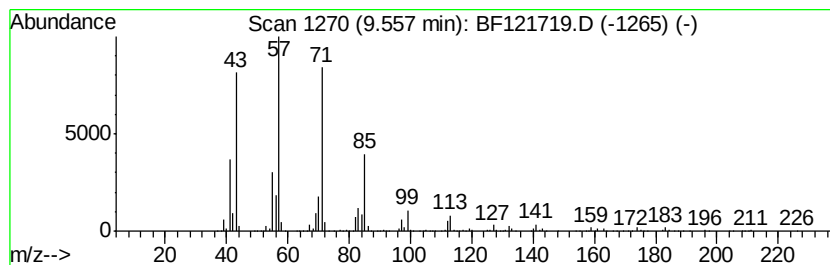
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Hexadecane Concentration Rank 8

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.56 | 36.61 ng | 2532720 | Acenaphthene-d10 | 9.83 |

| Hit# of 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|-----------|------------------------|-----|---------|-------------|------|
| 1         | Tetradecane            | 198 | C14H30  | 000629-59-4 | 90   |
| 2         | Hexadecane             | 226 | C16H34  | 000544-76-3 | 86   |
| 3         | Decane, 5-propyl-      | 184 | C13H28  | 017312-62-8 | 83   |
| 4         | Heptadecane, 7-methyl- | 254 | C18H38  | 020959-33-5 | 83   |
| 5         | Pentadecane            | 212 | C15H32  | 000629-62-9 | 78   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\  
Data File : BF121719.D  
Acq On : 28 Sep 2020 18:44  
Operator : JU/CG  
Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-1(1-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

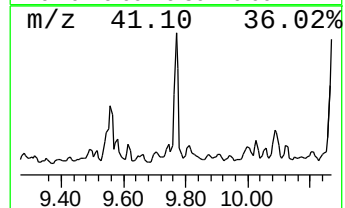
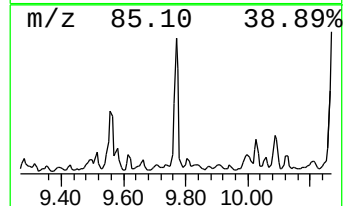
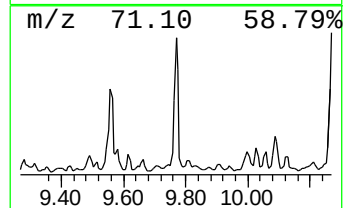
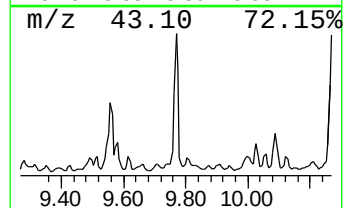
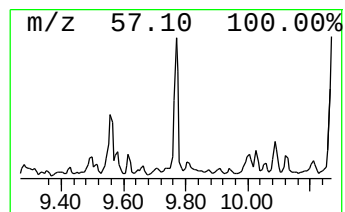
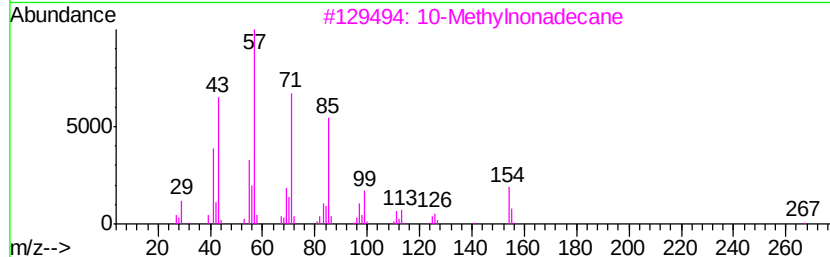
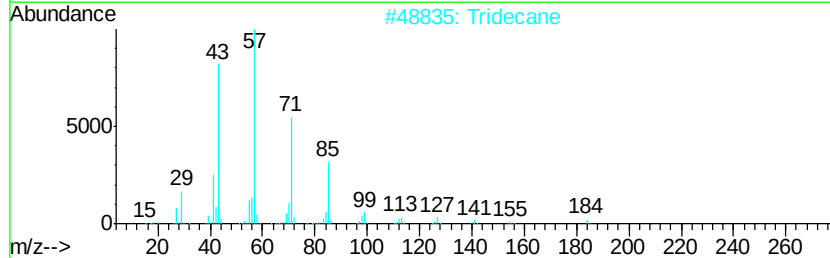
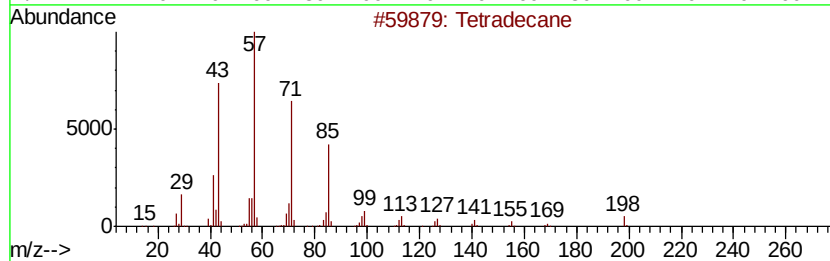
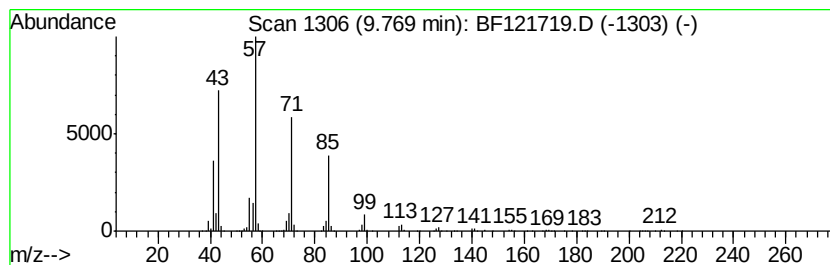
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 10-Methylnonadecane Concentration Rank 4

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.77 | 45.00 ng | 3113150 | Acenaphthene-d10 | 9.83 |

| Hit# | of | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------|-----|---------|-------------|------|
| 1    | 5  | Tetradecane         | 198 | C14H30  | 000629-59-4 | 86   |
| 2    |    | Tridecane           | 184 | C13H28  | 000629-50-5 | 86   |
| 3    |    | 10-Methylnonadecane | 282 | C20H42  | 056862-62-5 | 83   |
| 4    |    | Hexadecane          | 226 | C16H34  | 000544-76-3 | 80   |
| 5    |    | Nonadecane          | 268 | C19H40  | 000629-92-5 | 78   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\  
Data File : BF121719.D  
Acq On : 28 Sep 2020 18:44  
Operator : JU/CG  
Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

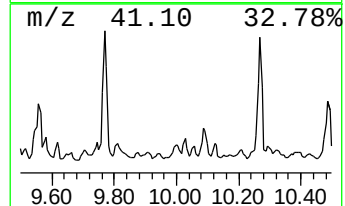
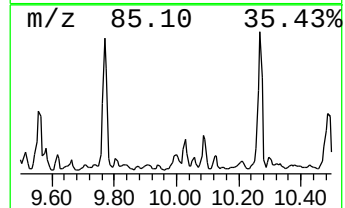
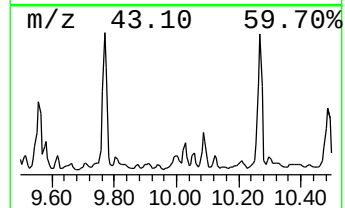
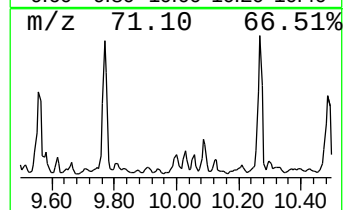
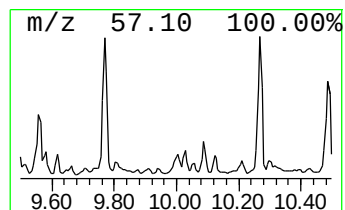
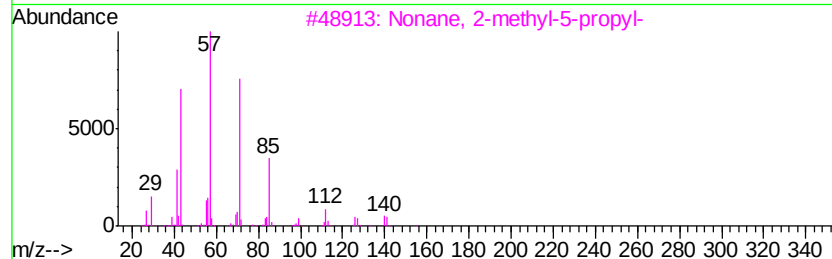
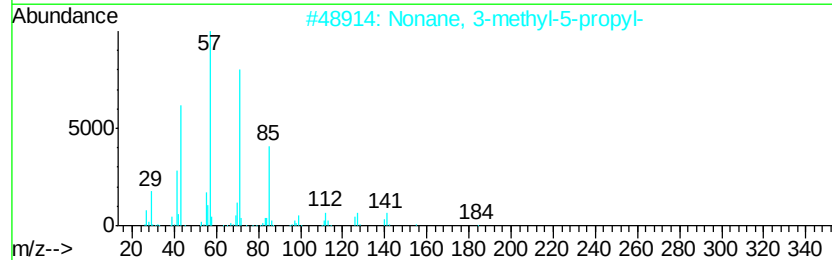
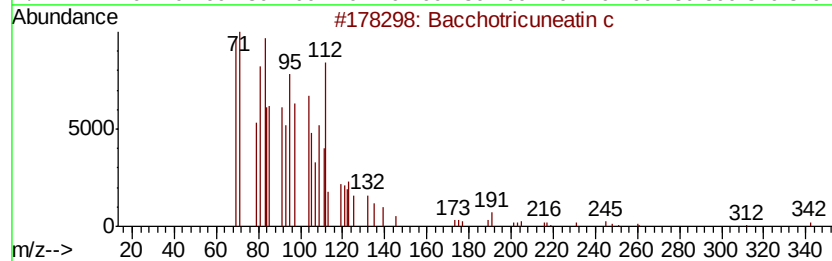
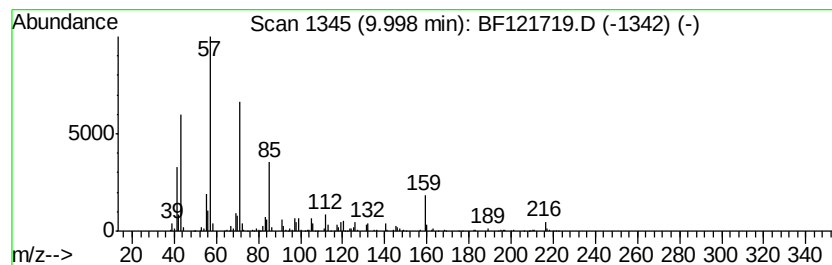
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ClientSampleId :  
B-1(1-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.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 Bacchotricuneatin c Concentration Rank 20

| R.T.      | EstConc                           | Area   | Relative to ISTD |              | R.T. |
|-----------|-----------------------------------|--------|------------------|--------------|------|
| 10.00     | 9.64 ng                           | 666679 | Acenaphthene-d10 |              | 9.83 |
| Hit# of 5 | Tentative ID                      | MW     | MolForm          | CAS#         | Qual |
| 1         | Bacchotricuneatin c               | 342    | C20H22O5         | 066563-30-2  | 64   |
| 2         | Nonane, 3-methyl-5-propyl-        | 184    | C13H28           | 031081-18-2  | 64   |
| 3         | Nonane, 2-methyl-5-propyl-        | 184    | C13H28           | 031081-17-1  | 59   |
| 4         | Sulfurous acid, butyl nonyl ester | 264    | C13H28O3S        | 1000309-17-6 | 53   |
| 5         | Dodecane, 1-iodo-                 | 296    | C12H25I          | 004292-19-7  | 52   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\  
Data File : BF121719.D  
Acq On : 28 Sep 2020 18:44  
Operator : JU/CG  
Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

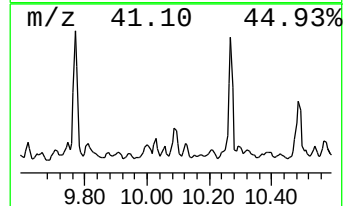
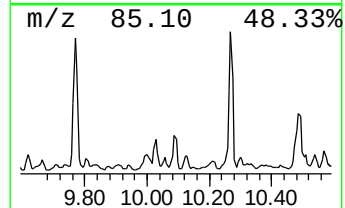
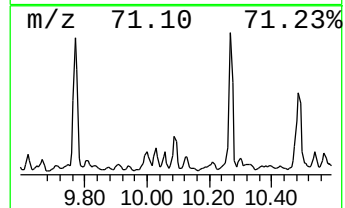
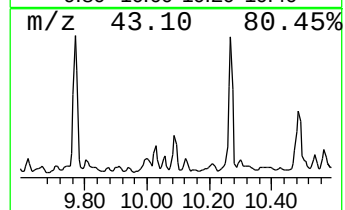
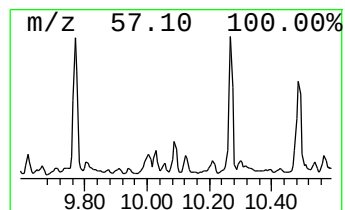
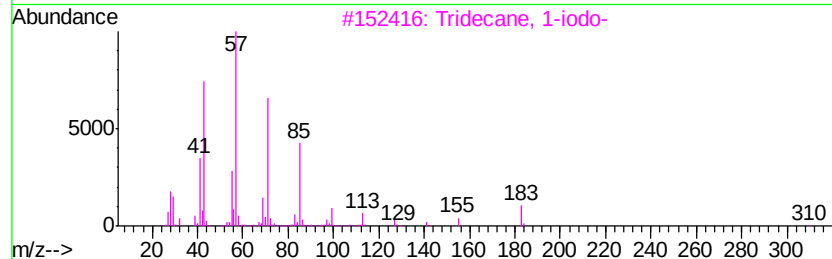
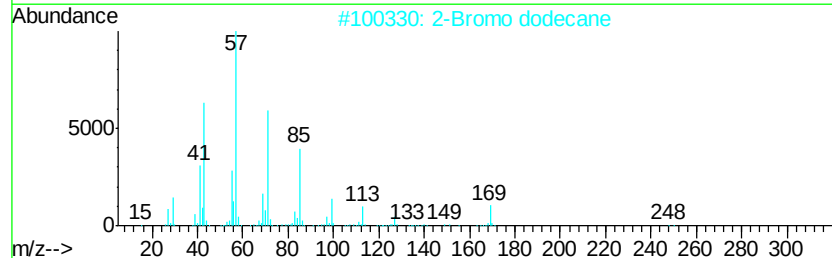
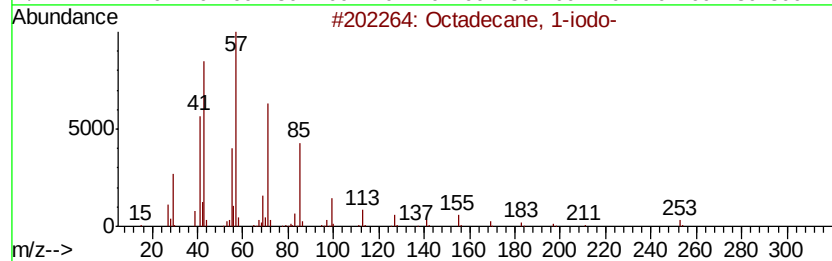
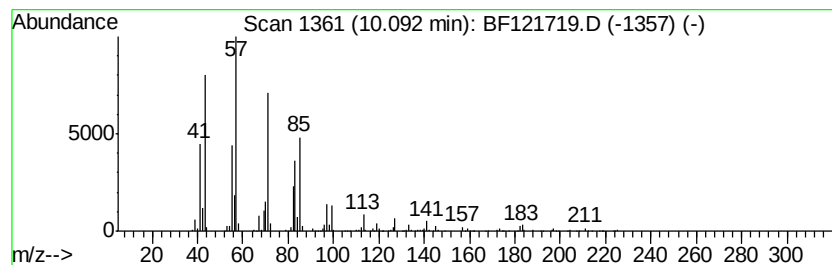
Instrument :  
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ClientSampleId :  
B-1(1-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 11 Octadecane, 1-iodo- Concentration Rank 15

| R.T.      | EstConc             | Area    | Relative to ISTD |             | R.T. |
|-----------|---------------------|---------|------------------|-------------|------|
| 10.09     | 15.92 ng            | 1101620 | Acenaphthene-d10 |             | 9.83 |
| Hit# of 5 | Tentative ID        | MW      | MolForm          | CAS#        | Qual |
| 1         | Octadecane, 1-iodo- | 380     | C18H37I          | 000629-93-6 | 90   |
| 2         | 2-Bromo dodecane    | 248     | C12H25Br         | 013187-99-0 | 90   |
| 3         | Tridecane, 1-iodo-  | 310     | C13H27I          | 035599-77-0 | 90   |
| 4         | Tridecane, 7-hexyl- | 268     | C19H40           | 007225-66-3 | 90   |
| 5         | Tetradecane         | 198     | C14H30           | 000629-59-4 | 90   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\  
Data File : BF121719.D  
Acq On : 28 Sep 2020 18:44  
Operator : JU/CG  
Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

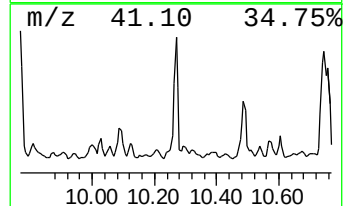
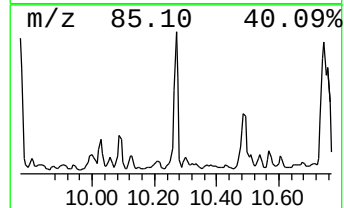
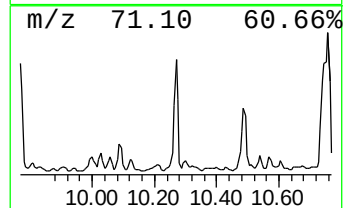
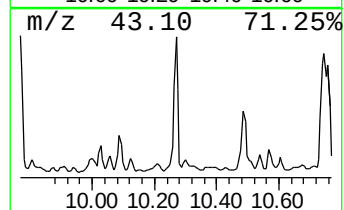
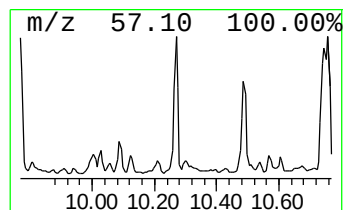
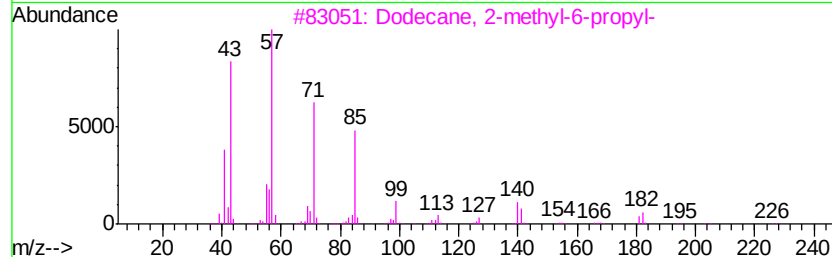
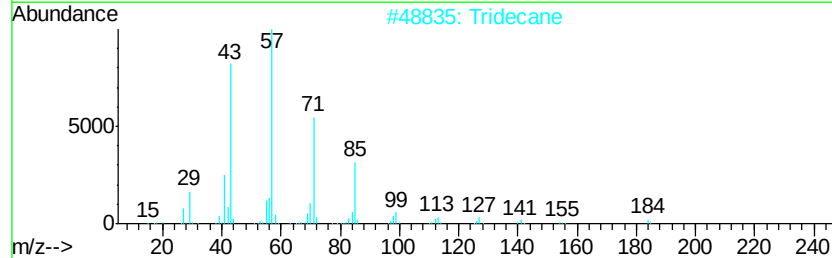
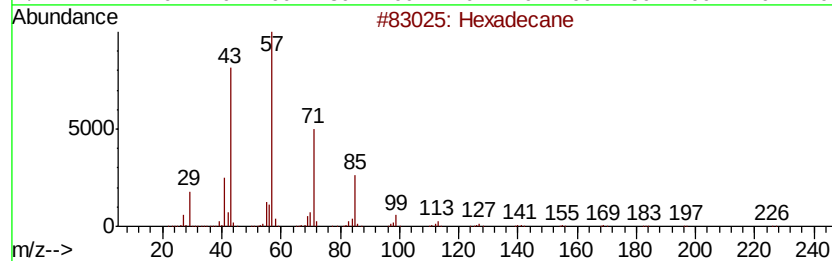
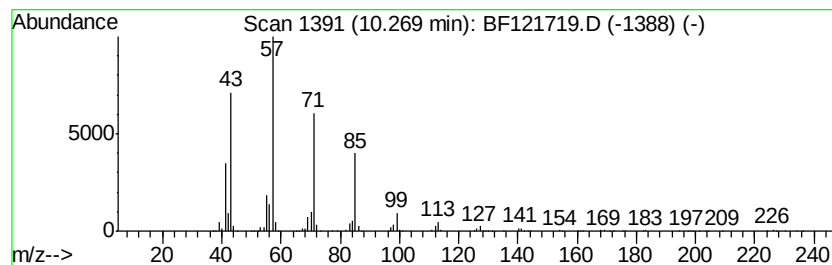
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ClientSampleId :  
B-1(1-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 Dodecane, 2-methyl-6-propyl- Concentration Rank 5

| R.T.      | EstConc                      | Area    | Relative to ISTD | R.T.        |      |
|-----------|------------------------------|---------|------------------|-------------|------|
| 10.27     | 44.14 ng                     | 3053920 | Acenaphthene-d10 | 9.83        |      |
| Hit# of 5 | Tentative ID                 | MW      | MolForm          | CAS#        | Qual |
| 1         | Hexadecane                   | 226     | C16H34           | 000544-76-3 | 94   |
| 2         | Tridecane                    | 184     | C13H28           | 000629-50-5 | 90   |
| 3         | Dodecane, 2-methyl-6-propyl- | 226     | C16H34           | 055045-08-4 | 86   |
| 4         | Pentadecane                  | 212     | C15H32           | 000629-62-9 | 83   |
| 5         | Pentadecane, 7-methyl-       | 226     | C16H34           | 006165-40-8 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\  
Data File : BF121719.D  
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Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

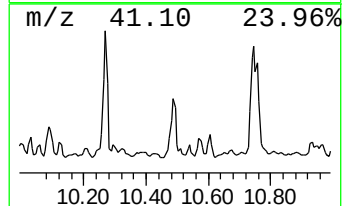
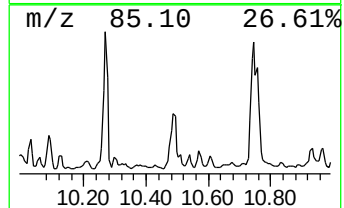
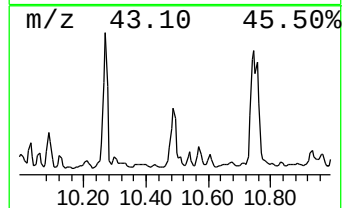
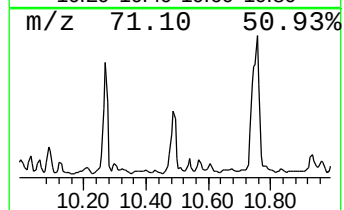
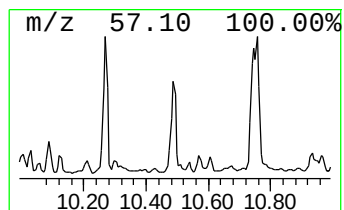
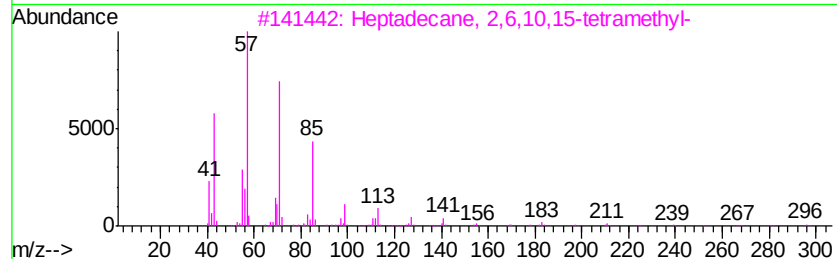
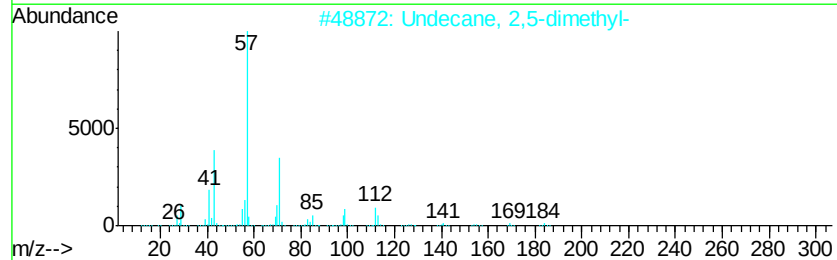
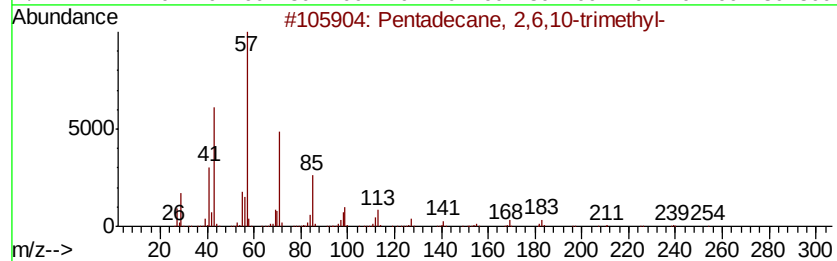
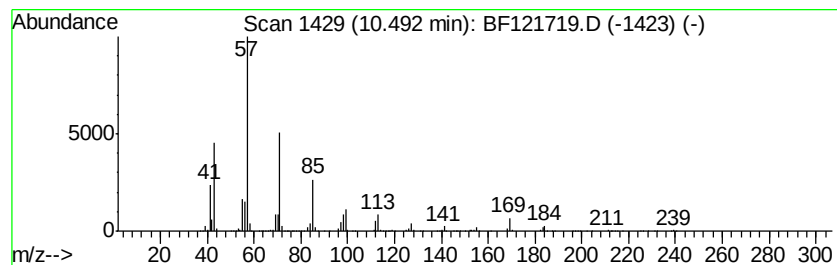
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 13 Pentadecane, 2,6,10-trimethyl- Concentration Rank 7

| R.T.    | EstConc  | Area                                | Relative to ISTD | R.T.            |
|---------|----------|-------------------------------------|------------------|-----------------|
| 10.49   | 37.76 ng | 2612540                             | Acenaphthene-d10 | 9.83            |
| Hit# of | 5        | Tentative ID                        | MW MolForm       | CAS# Qual       |
| 1       |          | Pentadecane, 2,6,10-trimethyl-      | 254 C18H38       | 003892-00-0 90  |
| 2       |          | Undecane, 2,5-dimethyl-             | 184 C13H28       | 017301-22-3 76  |
| 3       |          | Heptadecane, 2,6,10,15-tetramethyl- | 296 C21H44       | 054833-48-6 72  |
| 4       |          | Z-2-Tridecen-1-ol                   | 198 C13H26O      | 1000130-75-8 70 |
| 5       |          | Undecane, 2,6-dimethyl-             | 184 C13H28       | 017301-23-4 64  |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\  
Data File : BF121719.D  
Acq On : 28 Sep 2020 18:44  
Operator : JU/CG  
Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-1(1-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

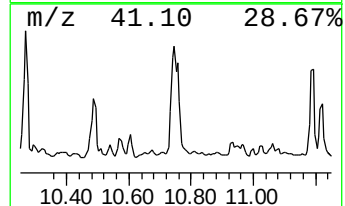
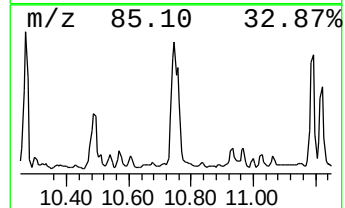
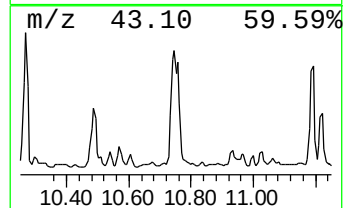
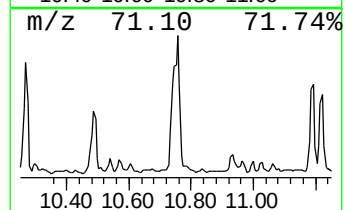
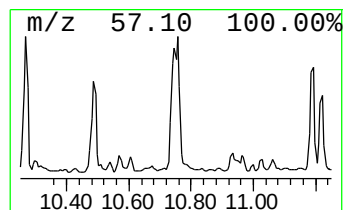
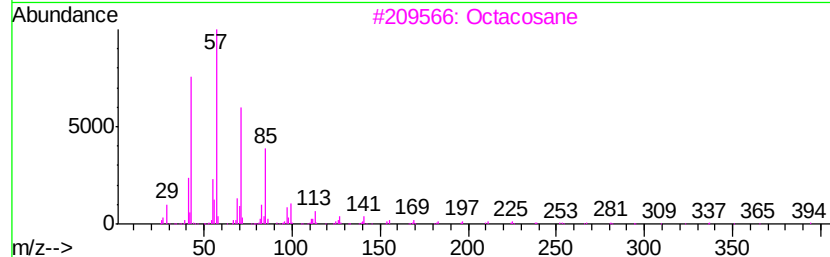
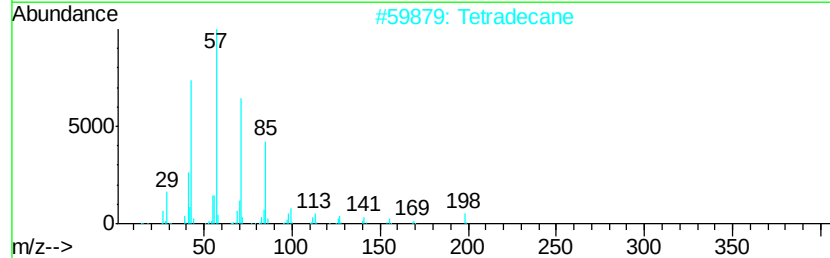
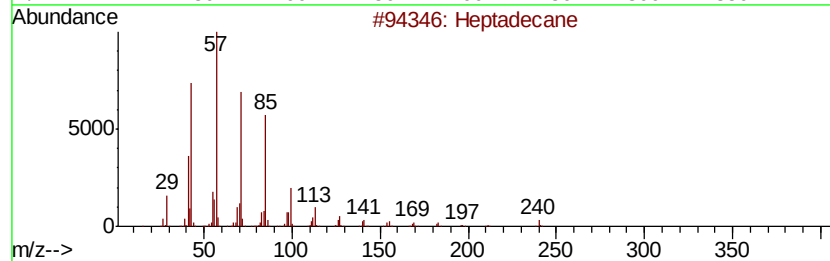
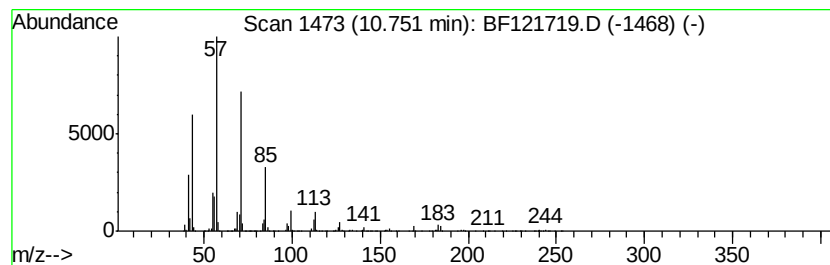
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TIC Integration Parameters: LSCINT.P

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Peak Number 14 Heptadecane Concentration Rank 1

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 10.75 | 62.62 ng | 3857820 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane  | 240 | C17H36  | 000629-78-7 | 97   |
| 2    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 95   |
| 3    |    | Octacosane   | 394 | C28H58  | 000630-02-4 | 90   |
| 4    |    | Eicosane     | 282 | C20H42  | 000112-95-8 | 90   |
| 5    |    | Heptacosane  | 380 | C27H56  | 000593-49-7 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\  
Data File : BF121719.D  
Acq On : 28 Sep 2020 18:44  
Operator : JU/CG  
Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

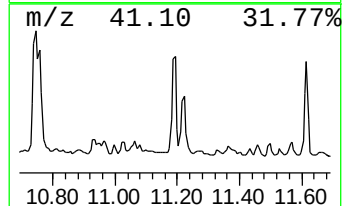
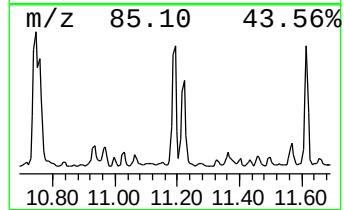
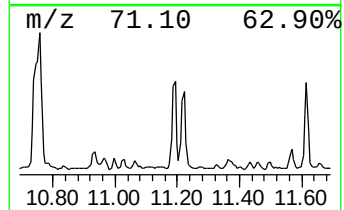
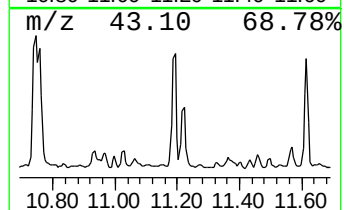
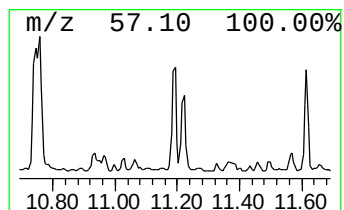
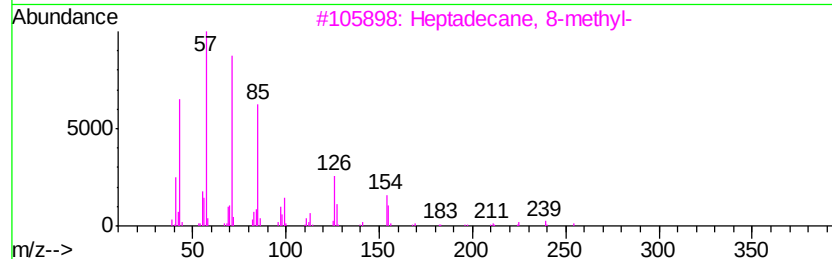
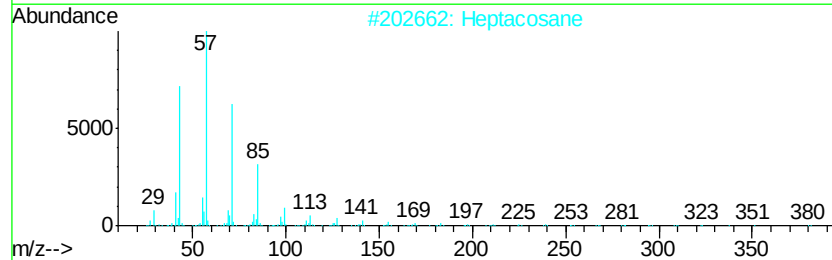
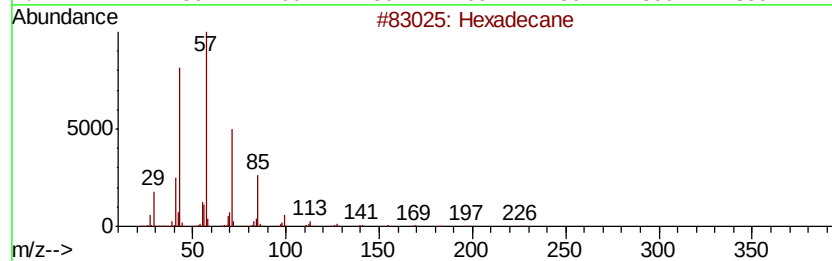
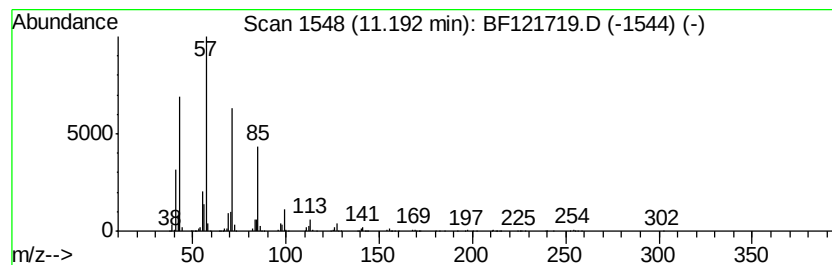
Instrument :  
BNA\_F  
ClientSampleId :  
B-1(1-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.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 15 Heptacosane Concentration Rank 6

| R.T.      | EstConc                      | Area    | Relative to ISTD | R.T.        |      |
|-----------|------------------------------|---------|------------------|-------------|------|
| 11.19     | 42.27 ng                     | 2604100 | Phenanthrene-d10 | 11.32       |      |
| Hit# of 5 | Tentative ID                 | MW      | MolForm          | CAS#        | Qual |
| 1         | Hexadecane                   | 226     | C16H34           | 000544-76-3 | 90   |
| 2         | Heptacosane                  | 380     | C27H56           | 000593-49-7 | 90   |
| 3         | Heptadecane, 8-methyl-       | 254     | C18H38           | 013287-23-5 | 83   |
| 4         | Heptadecane                  | 240     | C17H36           | 000629-78-7 | 83   |
| 5         | Dodecane, 2-methyl-6-propyl- | 226     | C16H34           | 055045-08-4 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\  
Data File : BF121719.D  
Acq On : 28 Sep 2020 18:44  
Operator : JU/CG  
Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-1(1-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

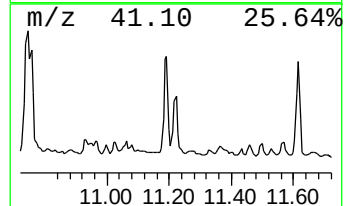
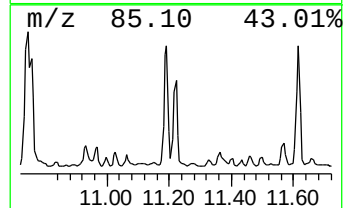
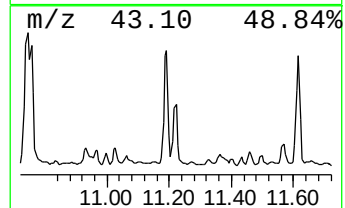
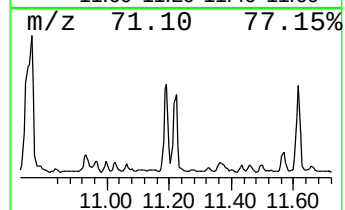
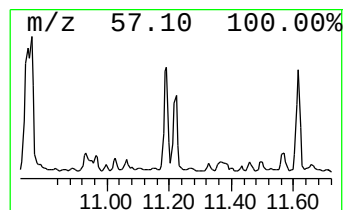
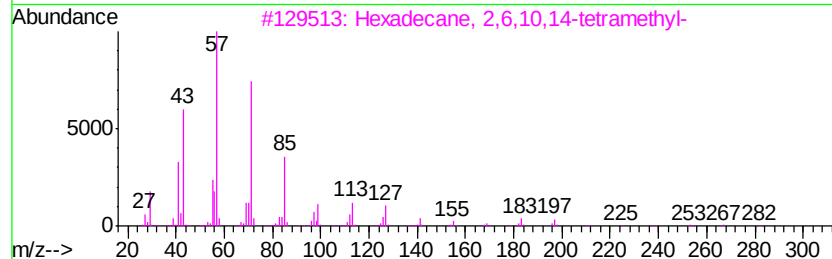
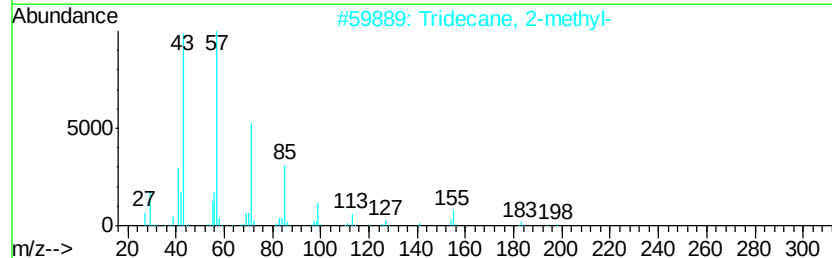
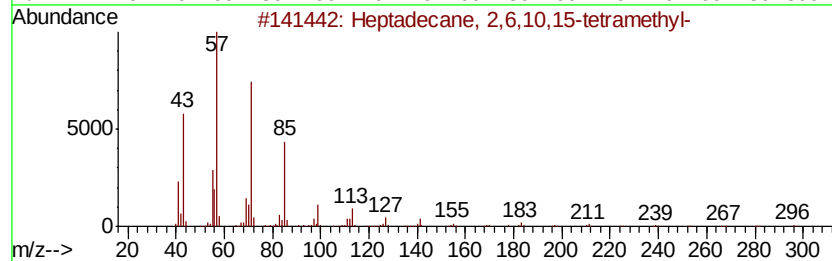
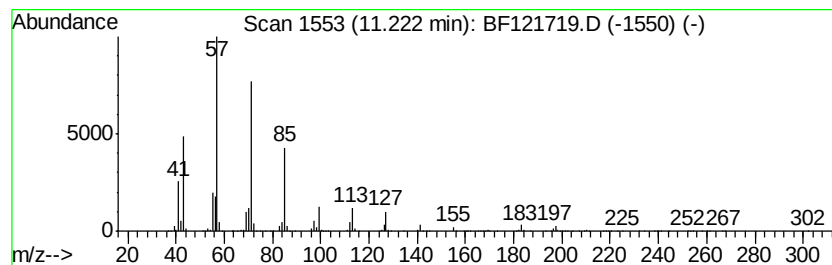
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Heptadecane, 2,6,10,15-tetr... Concentration Rank 10

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.22 | 35.11 ng | 2163260 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44  | 054833-48-6 | 91   |
| 2    |    | Tridecane, 2-methyl-                | 198 | C14H30  | 001560-96-9 | 90   |
| 3    |    | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42  | 000638-36-8 | 87   |
| 4    |    | Tritetracontane                     | 605 | C43H88  | 007098-21-7 | 83   |
| 5    |    | Heptadecane                         | 240 | C17H36  | 000629-78-7 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\  
Data File : BF121719.D  
Acq On : 28 Sep 2020 18:44  
Operator : JU/CG  
Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-1(1-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

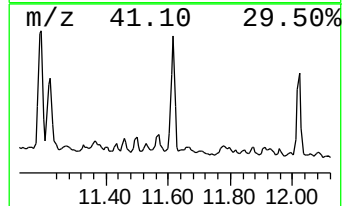
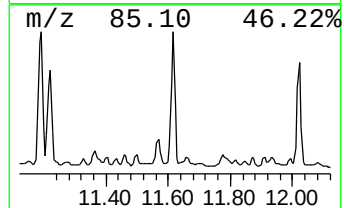
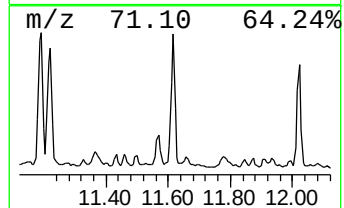
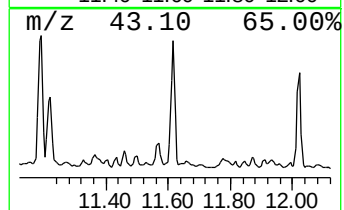
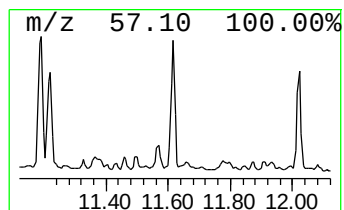
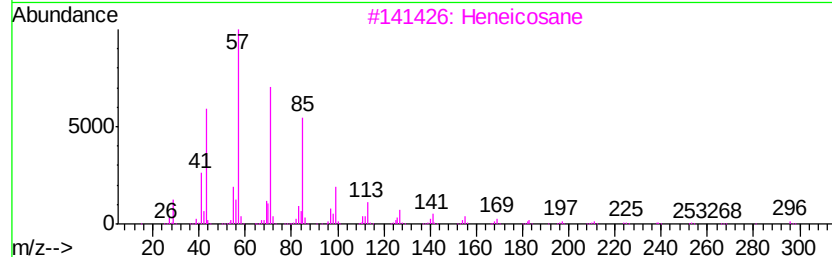
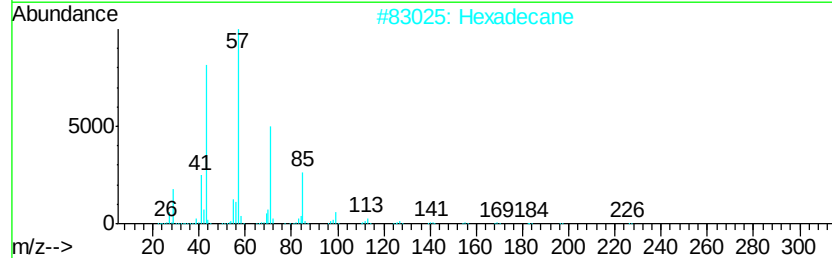
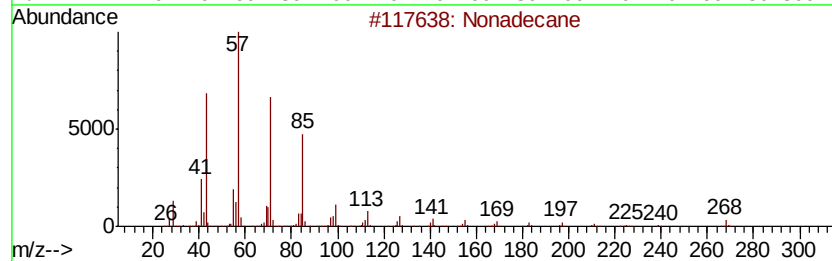
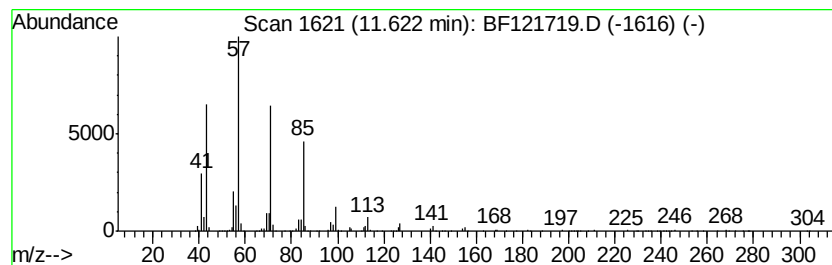
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Nonadecane Concentration Rank 9

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.62 | 36.41 ng | 2243070 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Nonadecane   | 268 | C19H40  | 000629-92-5 | 94   |
| 2    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 90   |
| 3    |    | Heneicosane  | 296 | C21H44  | 000629-94-7 | 90   |
| 4    |    | Heptadecane  | 240 | C17H36  | 000629-78-7 | 90   |
| 5    |    | Heptacosane  | 380 | C27H56  | 000593-49-7 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\  
Data File : BF121719.D  
Acq On : 28 Sep 2020 18:44  
Operator : JU/CG  
Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-1(1-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

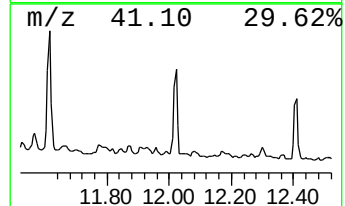
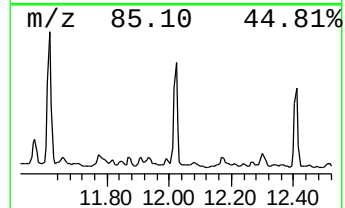
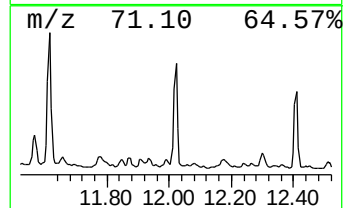
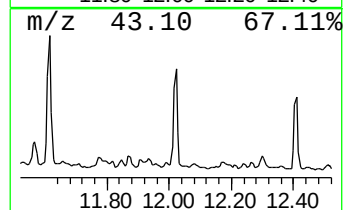
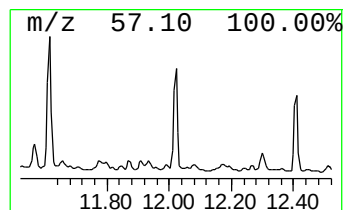
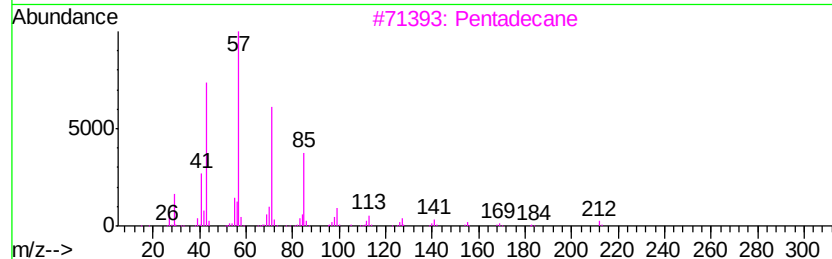
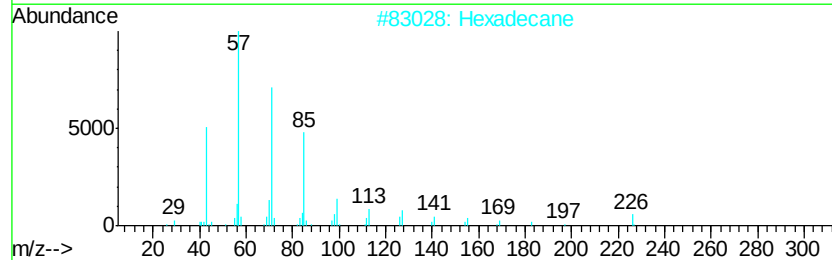
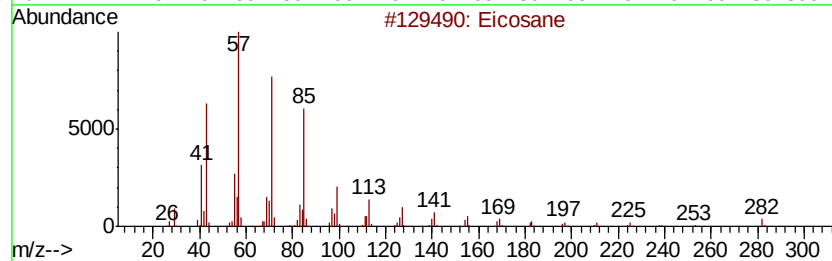
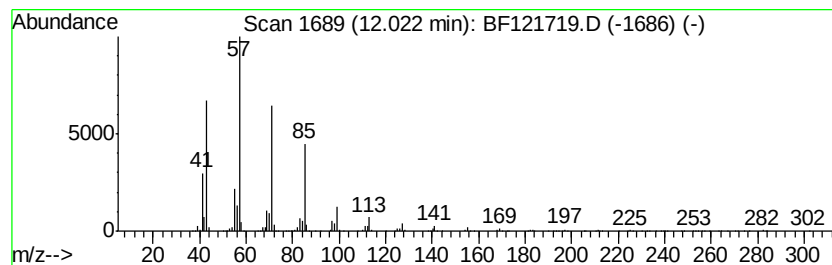
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 18 Eicosane Concentration Rank 11

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 12.02 | 28.75 ng | 1771210 | Phenanthrene-d10 | 11.32 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane     | 282 | C20H42  | 000112-95-8 | 96   |
| 2    |    | Hexadecane   | 226 | C16H34  | 000544-76-3 | 96   |
| 3    |    | Pentadecane  | 212 | C15H32  | 000629-62-9 | 91   |
| 4    |    | Nonadecane   | 268 | C19H40  | 000629-92-5 | 91   |
| 5    |    | Heneicosane  | 296 | C21H44  | 000629-94-7 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\  
Data File : BF121719.D  
Acq On : 28 Sep 2020 18:44  
Operator : JU/CG  
Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

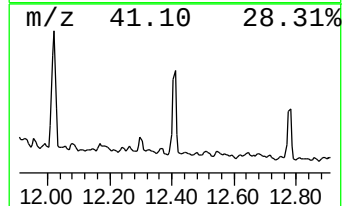
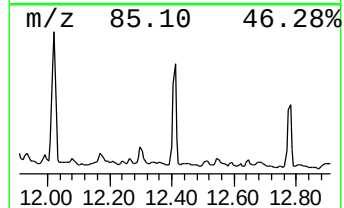
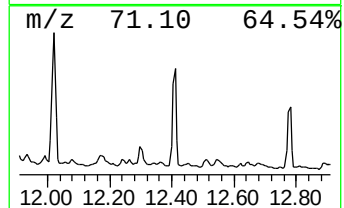
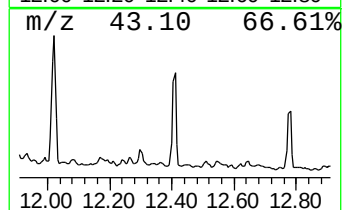
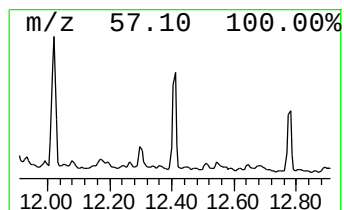
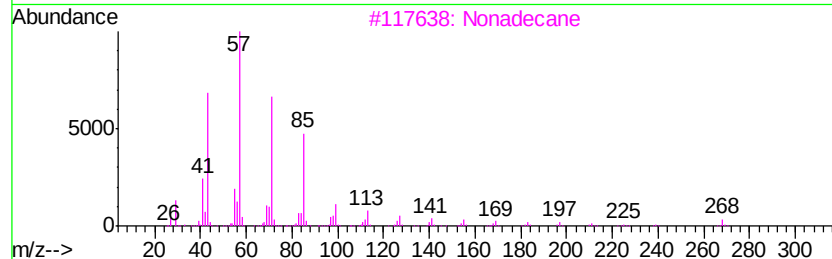
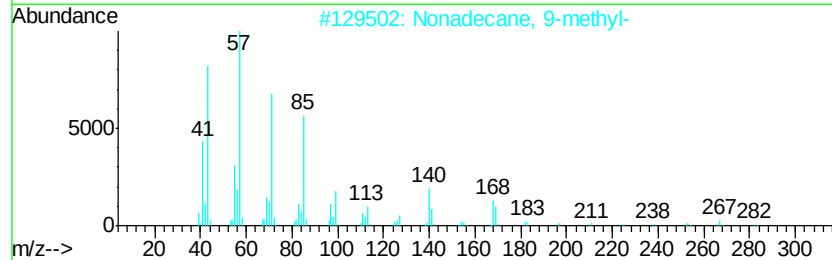
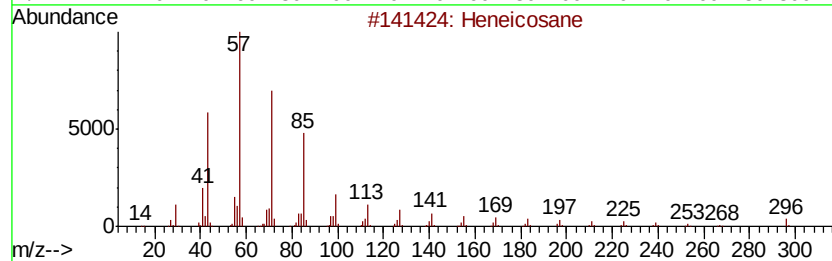
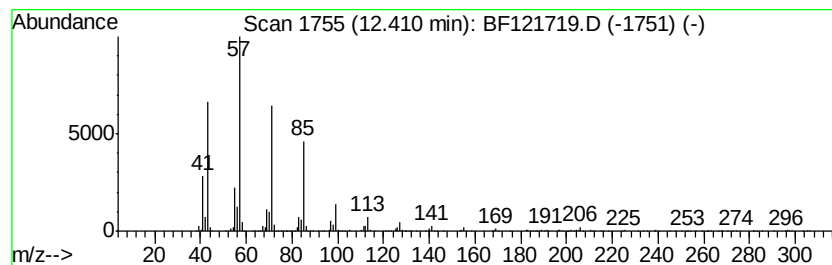
Instrument :  
BNA\_F  
ClientSampleId :  
B-1(1-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.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 Heneicosane Concentration Rank 13

| R.T.      | EstConc               | Area    | Relative to ISTD |             | R.T.  |
|-----------|-----------------------|---------|------------------|-------------|-------|
| 12.41     | 23.34 ng              | 1437840 | Phenanthrene-d10 |             | 11.32 |
| Hit# of 5 | Tentative ID          | MW      | MolForm          | CAS#        | Qual  |
| 1         | Heneicosane           | 296     | C21H44           | 000629-94-7 | 94    |
| 2         | Nonadecane, 9-methyl- | 282     | C20H42           | 013287-24-6 | 94    |
| 3         | Nonadecane            | 268     | C19H40           | 000629-92-5 | 91    |
| 4         | Pentadecane           | 212     | C15H32           | 000629-62-9 | 91    |
| 5         | 1-Iodoundecane        | 282     | C11H23I          | 004282-44-4 | 90    |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092820\  
Data File : BF121719.D  
Acq On : 28 Sep 2020 18:44  
Operator : JU/CG  
Sample : L4154-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-1(1-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

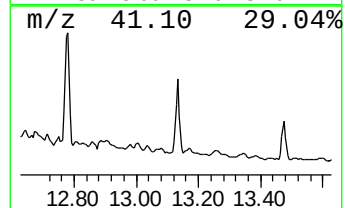
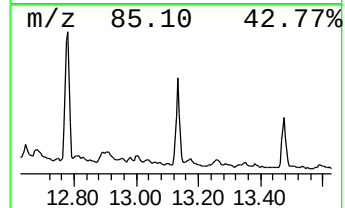
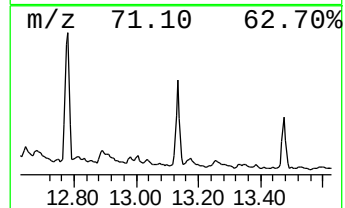
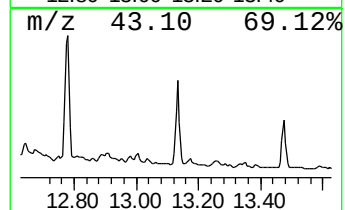
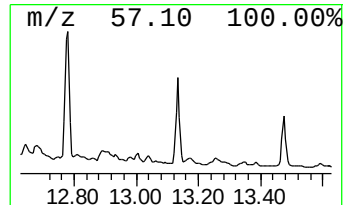
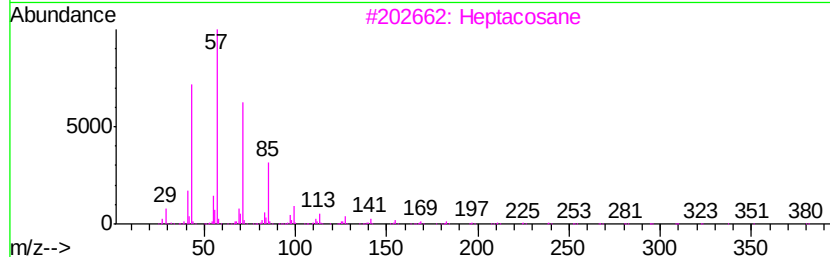
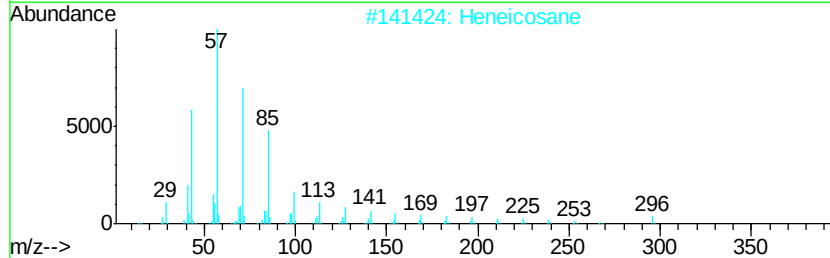
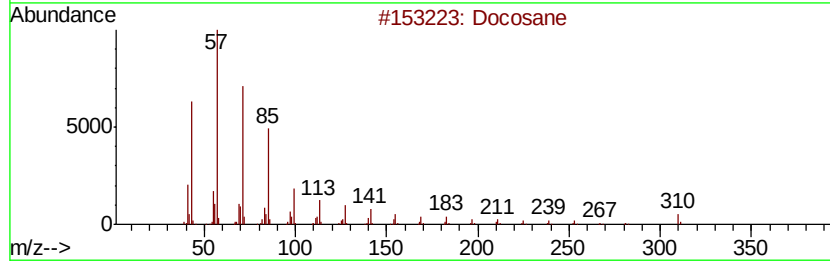
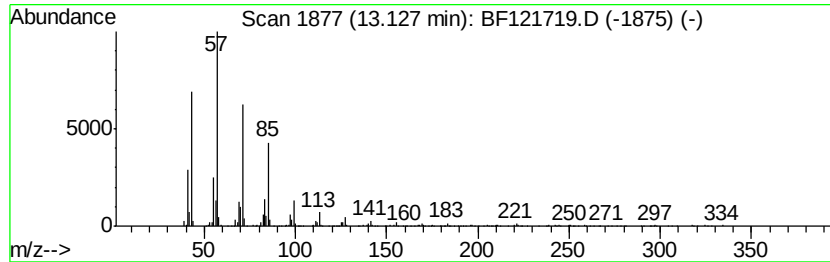
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Docosane Concentration Rank 17

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 13.13 | 11.85 ng | 604914 | Chrysene-d12     | 13.96 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Docosane                | 310 | C22H46  | 000629-97-0 | 96   |
| 2    |    | Heneicosane             | 296 | C21H44  | 000629-94-7 | 94   |
| 3    |    | Heptacosane             | 380 | C27H56  | 000593-49-7 | 91   |
| 4    |    | Octadecane              | 254 | C18H38  | 000593-45-3 | 91   |
| 5    |    | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF092820\  
 Data File : BF121719.D  
 Acq On : 28 Sep 2020 18:44  
 Operator : JU/CG  
 Sample : L4154-01 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-1(1-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF091020.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 |
| Undecane, 2,6-dim... | 8.15  | 17.2    | ng    | 686497   | 2                     | 8.08  | 796200  | 20.0 |
| unknown8.37          | 8.37  | 12.7    | ng    | 506882   | 2                     | 8.08  | 796200  | 20.0 |
| Sulfurous acid, b... | 8.46  | 11.6    | ng    | 460585   | 2                     | 8.08  | 796200  | 20.0 |
| Dodecane, 4,6-dim... | 8.50  | 27.7    | ng    | 1103300  | 2                     | 8.08  | 796200  | 20.0 |
| Tridecane            | 8.67  | 53.5    | ng    | 2130510  | 2                     | 8.08  | 796200  | 20.0 |
| unknown8.77          | 8.77  | 10.4    | ng    | 415970   | 2                     | 8.08  | 796200  | 20.0 |
| Tetradecane          | 9.24  | 51.6    | ng    | 3572930  | 3                     | 9.83  | 1383740 | 20.0 |
| Hexadecane           | 9.56  | 36.6    | ng    | 2532720  | 3                     | 9.83  | 1383740 | 20.0 |
| 10-Methylnonadecane  | 9.77  | 45.0    | ng    | 3113150  | 3                     | 9.83  | 1383740 | 20.0 |
| Bacchotricuneatin c  | 10.00 | 9.6     | ng    | 666679   | 3                     | 9.83  | 1383740 | 20.0 |
| Octadecane, 1-iodo-  | 10.09 | 15.9    | ng    | 1101620  | 3                     | 9.83  | 1383740 | 20.0 |
| Dodecane, 2-methy... | 10.27 | 44.1    | ng    | 3053920  | 3                     | 9.83  | 1383740 | 20.0 |
| Pentadecane, 2,6,... | 10.49 | 37.8    | ng    | 2612540  | 3                     | 9.83  | 1383740 | 20.0 |
| Heptadecane          | 10.75 | 62.6    | ng    | 3857820  | 4                     | 11.32 | 1232150 | 20.0 |
| Heptacosane          | 11.19 | 42.3    | ng    | 2604100  | 4                     | 11.32 | 1232150 | 20.0 |
| Heptadecane, 2,6,... | 11.22 | 35.1    | ng    | 2163260  | 4                     | 11.32 | 1232150 | 20.0 |
| Nonadecane           | 11.62 | 36.4    | ng    | 2243070  | 4                     | 11.32 | 1232150 | 20.0 |
| Eicosane             | 12.02 | 28.8    | ng    | 1771210  | 4                     | 11.32 | 1232150 | 20.0 |
| Heneicosane          | 12.41 | 23.3    | ng    | 1437840  | 4                     | 11.32 | 1232150 | 20.0 |
| Docosane             | 13.13 | 11.9    | ng    | 604914   | 5                     | 13.96 | 1020840 | 20.0 |