

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF091718\  
 Data File : BF109061.D  
 Acq On : 17 Sep 2018 21:08  
 Operator : JU/SJ  
 Sample : J4936-15  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 138-KV

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-BF091418.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         | 2.760       | 56            | 72          | 80           | rVB      | 225308         | 546304        | 23.97%          | 0.851%        |
| 2         | 3.701       | 221           | 232         | 239          | rBV3     | 116846         | 244952        | 10.75%          | 0.382%        |
| 3         | 4.337       | 334           | 340         | 347          | rVB2     | 216350         | 303278        | 13.31%          | 0.473%        |
| 4         | 4.919       | 435           | 439         | 444          | rBV2     | 257667         | 318811        | 13.99%          | 0.497%        |
| 5         | 5.131       | 471           | 475         | 479          | rBV      | 257062         | 249347        | 10.94%          | 0.389%        |
| 6         | 5.301       | 500           | 504         | 505          | rBV      | 377541         | 384562        | 16.88%          | 0.599%        |
| 7         | 5.331       | 505           | 509         | 512          | rVB      | 2283615        | 2154432       | 94.54%          | 3.357%        |
| 8         | 5.560       | 546           | 548         | 551          | rBV      | 401276         | 349972        | 15.36%          | 0.545%        |
| 9         | 5.637       | 557           | 561         | 566          | rBV      | 363416         | 360699        | 15.83%          | 0.562%        |
| 10        | 5.884       | 599           | 603         | 608          | rVB2     | 269859         | 273685        | 12.01%          | 0.426%        |
| 11        | 5.984       | 617           | 620         | 626          | rVB2     | 323304         | 392114        | 17.21%          | 0.611%        |
| 12        | 6.037       | 626           | 629         | 633          | rBV      | 231679         | 238137        | 10.45%          | 0.371%        |
| 13        | 6.178       | 646           | 653         | 656          | rBV4     | 207801         | 331118        | 14.53%          | 0.516%        |
| 14        | 6.266       | 664           | 668         | 674          | rVB3     | 218032         | 395015        | 17.33%          | 0.616%        |
| 15        | 6.325       | 675           | 678         | 680          | rBV      | 274766         | 264570        | 11.61%          | 0.412%        |
| 16        | 6.354       | 680           | 683         | 686          | rVV      | 2114572        | 2055605       | 90.20%          | 3.203%        |
| 17        | 6.490       | 700           | 706         | 709          | rBV      | 2580547        | 2271275       | 99.67%          | 3.539%        |
| 18        | 6.554       | 714           | 717         | 718          | rVV      | 468071         | 401272        | 17.61%          | 0.625%        |
| 19        | 6.572       | 718           | 720         | 726          | rVB      | 750855         | 639593        | 28.07%          | 0.997%        |
| 20        | 6.719       | 741           | 745         | 748          | rVV      | 928749         | 880060        | 38.62%          | 1.371%        |
| 21        | 6.754       | 748           | 751         | 754          | rVB2     | 424470         | 363493        | 15.95%          | 0.566%        |
| 22        | 6.784       | 754           | 756         | 761          | rBV2     | 296420         | 296914        | 13.03%          | 0.463%        |
| 23        | 6.878       | 766           | 772         | 777          | rVV      | 2243199        | 1901682       | 83.45%          | 2.963%        |
| 24        | 7.125       | 810           | 814         | 816          | rBV      | 324851         | 278757        | 12.23%          | 0.434%        |
| 25        | 7.278       | 832           | 840         | 843          | rVV      | 1525953        | 1587889       | 69.68%          | 2.474%        |
| 26        | 7.337       | 847           | 850         | 853          | rVV      | 1186094        | 929131        | 40.77%          | 1.448%        |
| 27        | 7.378       | 853           | 857         | 861          | rVV6     | 169740         | 257618        | 11.30%          | 0.401%        |
| 28        | 7.525       | 879           | 882         | 888          | rVB4     | 180691         | 263676        | 11.57%          | 0.411%        |
| 29        | 7.748       | 915           | 920         | 922          | rVV4     | 210046         | 351976        | 15.45%          | 0.548%        |
| 30        | 7.772       | 922           | 924         | 929          | rVV3     | 274142         | 291002        | 12.77%          | 0.453%        |
| 31        | 7.819       | 929           | 932         | 939          | rVV4     | 147416         | 263061        | 11.54%          | 0.410%        |
| 32        | 8.001       | 959           | 963         | 965          | rVV      | 2110982        | 1788672       | 78.49%          | 2.787%        |
| 33        | 8.025       | 965           | 967         | 970          | rVV      | 989561         | 746277        | 32.75%          | 1.163%        |
| 34        | 8.084       | 974           | 977         | 979          | rVV      | 416515         | 336429        | 14.76%          | 0.524%        |

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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-BF091418.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 8.360  | 1018 | 1024 | 1027 | rVV5 | 243420  | 303339  | 13.31%  | 0.473% |
| 36 | 8.442  | 1035 | 1038 | 1041 | rVV  | 793565  | 637104  | 27.96%  | 0.993% |
| 37 | 8.613  | 1064 | 1067 | 1072 | rBV  | 844547  | 758070  | 33.27%  | 1.181% |
| 38 | 8.719  | 1079 | 1085 | 1088 | rVB  | 1485491 | 1373885 | 60.29%  | 2.141% |
| 39 | 8.813  | 1098 | 1101 | 1105 | rVB  | 1184524 | 951371  | 41.75%  | 1.483% |
| 40 | 9.042  | 1136 | 1140 | 1142 | rVB  | 448723  | 398073  | 17.47%  | 0.620% |
| 41 | 9.078  | 1142 | 1146 | 1149 | rBV  | 2892767 | 2278832 | 100.00% | 3.551% |
| 42 | 9.172  | 1159 | 1162 | 1166 | rBV2 | 1099234 | 933004  | 40.94%  | 1.454% |
| 43 | 9.272  | 1176 | 1179 | 1184 | rVB  | 176420  | 252026  | 11.06%  | 0.393% |
| 44 | 9.336  | 1184 | 1190 | 1196 | rBV  | 480772  | 683322  | 29.99%  | 1.065% |
| 45 | 9.413  | 1200 | 1203 | 1206 | rBV  | 854725  | 791556  | 34.74%  | 1.233% |
| 46 | 9.442  | 1206 | 1208 | 1211 | rVB  | 754377  | 561059  | 24.62%  | 0.874% |
| 47 | 9.472  | 1211 | 1213 | 1215 | rBV  | 371691  | 309610  | 13.59%  | 0.482% |
| 48 | 9.495  | 1215 | 1217 | 1221 | rVB  | 642356  | 479185  | 21.03%  | 0.747% |
| 49 | 9.531  | 1221 | 1223 | 1225 | rBV  | 465305  | 339040  | 14.88%  | 0.528% |
| 50 | 9.613  | 1232 | 1237 | 1242 | rVB2 | 260227  | 278701  | 12.23%  | 0.434% |
| 51 | 9.701  | 1249 | 1252 | 1255 | rVB  | 1031091 | 764368  | 33.54%  | 1.191% |
| 52 | 9.754  | 1255 | 1261 | 1263 | rBV2 | 1123939 | 1253490 | 55.01%  | 1.953% |
| 53 | 9.954  | 1292 | 1295 | 1299 | rVV  | 627098  | 592624  | 26.01%  | 0.923% |
| 54 | 9.995  | 1299 | 1302 | 1304 | rVV  | 319579  | 283882  | 12.46%  | 0.442% |
| 55 | 10.072 | 1310 | 1315 | 1317 | rBV2 | 318700  | 295439  | 12.96%  | 0.460% |
| 56 | 10.160 | 1326 | 1330 | 1334 | rVV2 | 382075  | 566328  | 24.85%  | 0.883% |
| 57 | 10.201 | 1334 | 1337 | 1339 | rVB  | 870123  | 733897  | 32.20%  | 1.144% |
| 58 | 10.289 | 1349 | 1352 | 1355 | rBV  | 486370  | 418656  | 18.37%  | 0.652% |
| 59 | 10.419 | 1371 | 1374 | 1377 | rVV2 | 412490  | 432270  | 18.97%  | 0.674% |
| 60 | 10.454 | 1377 | 1380 | 1385 | rVB  | 471274  | 479124  | 21.02%  | 0.747% |
| 61 | 10.536 | 1390 | 1394 | 1398 | rVV  | 1745165 | 1689256 | 74.13%  | 2.632% |
| 62 | 10.666 | 1413 | 1416 | 1418 | rBV2 | 1129009 | 1236906 | 54.28%  | 1.927% |
| 63 | 10.683 | 1418 | 1419 | 1422 | rVV  | 1359222 | 1052570 | 46.19%  | 1.640% |
| 64 | 10.977 | 1463 | 1469 | 1471 | rBV4 | 351044  | 522761  | 22.94%  | 0.815% |
| 65 | 11.083 | 1483 | 1487 | 1490 | rBV  | 243221  | 308072  | 13.52%  | 0.480% |
| 66 | 11.119 | 1490 | 1493 | 1495 | rVV  | 746424  | 657658  | 28.86%  | 1.025% |
| 67 | 11.148 | 1495 | 1498 | 1501 | rVB2 | 299726  | 256557  | 11.26%  | 0.400% |
| 68 | 11.230 | 1509 | 1512 | 1514 | rBV  | 1032851 | 910377  | 39.95%  | 1.419% |
| 69 | 11.254 | 1514 | 1516 | 1518 | rVB  | 811438  | 575512  | 25.25%  | 0.897% |
| 70 | 11.407 | 1537 | 1542 | 1548 | rVV6 | 180075  | 367290  | 16.12%  | 0.572% |
| 71 | 11.501 | 1553 | 1558 | 1561 | rVV4 | 122573  | 261992  | 11.50%  | 0.408% |

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 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 138-KV

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-BF091418.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 11.542 | 1561 | 1565 | 1570 | rVV  | 814918  | 818780  | 35.93% | 1.276% |
| 73  | 11.760 | 1599 | 1602 | 1603 | rVV  | 513974  | 475777  | 20.88% | 0.741% |
| 74  | 11.777 | 1603 | 1605 | 1612 | rVV  | 858240  | 996359  | 43.72% | 1.553% |
| 75  | 11.836 | 1612 | 1615 | 1617 | rVV  | 442742  | 409537  | 17.97% | 0.638% |
| 76  | 11.860 | 1617 | 1619 | 1625 | rVB  | 337884  | 365284  | 16.03% | 0.569% |
| 77  | 11.948 | 1630 | 1634 | 1639 | rVB  | 772762  | 662463  | 29.07% | 1.032% |
| 78  | 12.277 | 1687 | 1690 | 1693 | rVV  | 306552  | 291179  | 12.78% | 0.454% |
| 79  | 12.336 | 1697 | 1700 | 1702 | rVV  | 816386  | 660203  | 28.97% | 1.029% |
| 80  | 12.436 | 1714 | 1717 | 1720 | rBV2 | 277738  | 282440  | 12.39% | 0.440% |
| 81  | 12.560 | 1734 | 1738 | 1743 | rBV2 | 388048  | 469187  | 20.59% | 0.731% |
| 82  | 12.707 | 1760 | 1763 | 1765 | rBV2 | 540123  | 453211  | 19.89% | 0.706% |
| 83  | 12.813 | 1777 | 1781 | 1784 | rVV  | 2199239 | 1873649 | 82.22% | 2.920% |
| 84  | 13.060 | 1820 | 1823 | 1826 | rVV  | 661430  | 604579  | 26.53% | 0.942% |
| 85  | 13.089 | 1826 | 1828 | 1832 | rVV2 | 192434  | 243810  | 10.70% | 0.380% |
| 86  | 13.401 | 1878 | 1881 | 1886 | rVB2 | 571486  | 563257  | 24.72% | 0.878% |
| 87  | 13.724 | 1933 | 1936 | 1941 | rVB  | 611191  | 638978  | 28.04% | 0.996% |
| 88  | 13.854 | 1954 | 1958 | 1961 | rBV  | 1106338 | 1128536 | 49.52% | 1.759% |
| 89  | 14.042 | 1987 | 1990 | 1993 | rVB  | 473859  | 427550  | 18.76% | 0.666% |
| 90  | 14.348 | 2038 | 2042 | 2047 | rBV2 | 466099  | 517326  | 22.70% | 0.806% |
| 91  | 14.642 | 2089 | 2092 | 2098 | rVB2 | 344717  | 371374  | 16.30% | 0.579% |
| 92  | 14.960 | 2142 | 2146 | 2152 | rVB  | 376488  | 413784  | 18.16% | 0.645% |
| 93  | 15.260 | 2193 | 2197 | 2201 | rBV  | 571845  | 613777  | 26.93% | 0.956% |
| 94  | 15.312 | 2203 | 2206 | 2211 | rVB  | 215534  | 253637  | 11.13% | 0.395% |
| 95  | 15.718 | 2271 | 2275 | 2279 | rBV  | 233591  | 314369  | 13.80% | 0.490% |
| 96  | 15.912 | 2304 | 2308 | 2318 | rBV5 | 403350  | 853868  | 37.47% | 1.331% |
| 97  | 16.559 | 2412 | 2418 | 2423 | rBV  | 307759  | 532621  | 23.37% | 0.830% |
| 98  | 16.624 | 2424 | 2429 | 2432 | rVV3 | 177930  | 344539  | 15.12% | 0.537% |
| 99  | 16.665 | 2432 | 2436 | 2441 | rVB  | 263137  | 481952  | 21.15% | 0.751% |
| 100 | 17.371 | 2551 | 2556 | 2563 | rVB4 | 183825  | 411129  | 18.04% | 0.641% |

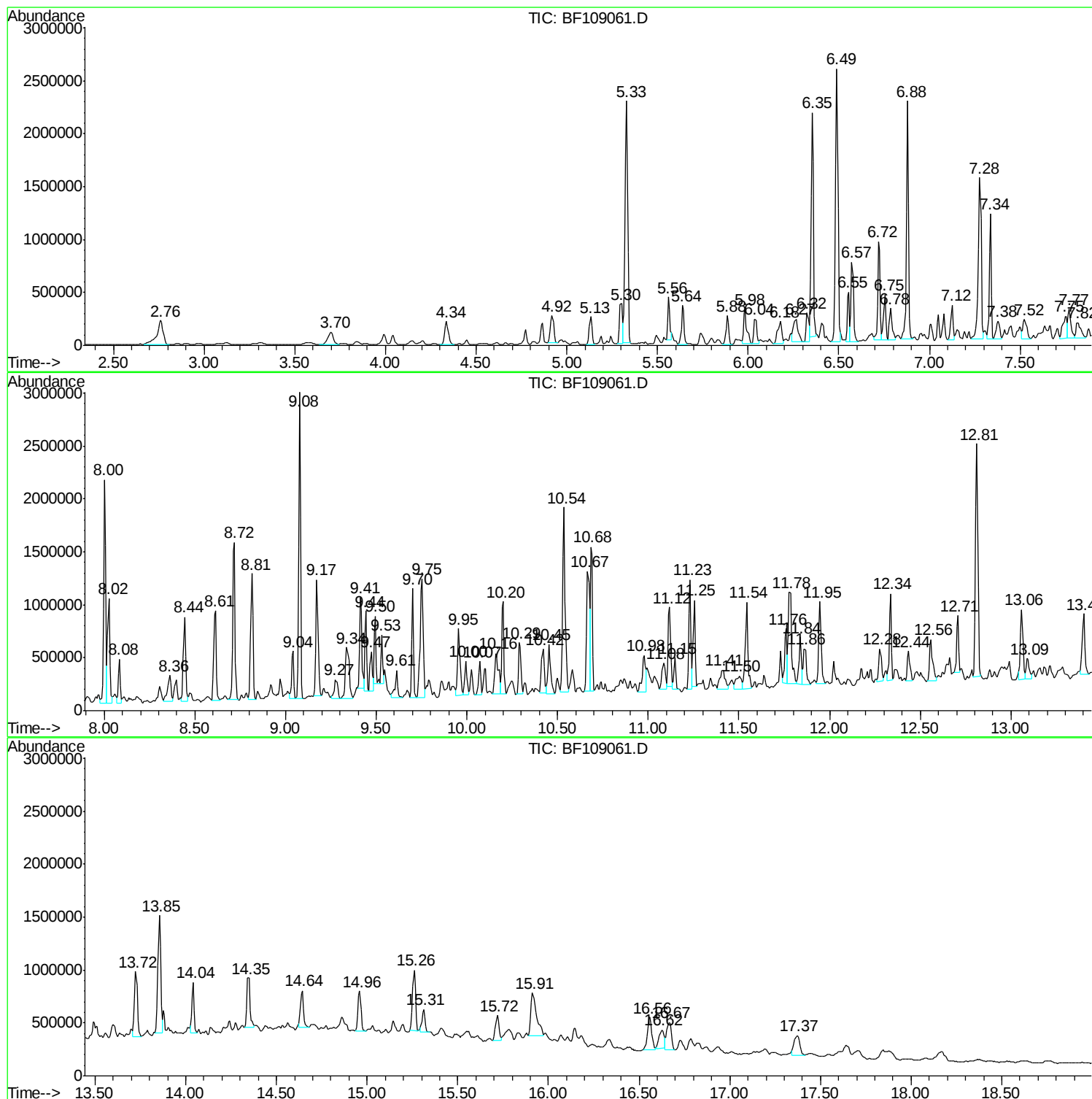
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Instrument :  
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ClientSampleId :  
138-KV

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.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\BF091718\  
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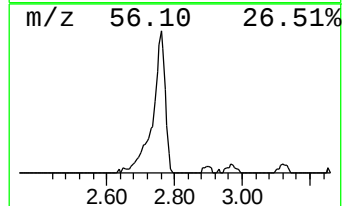
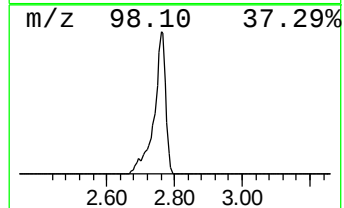
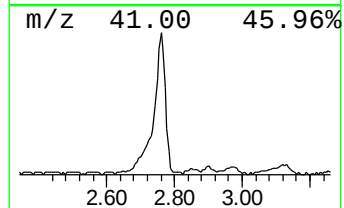
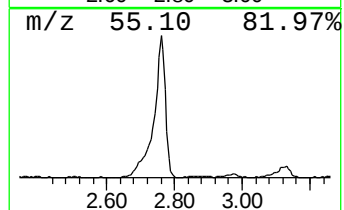
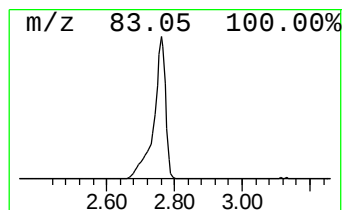
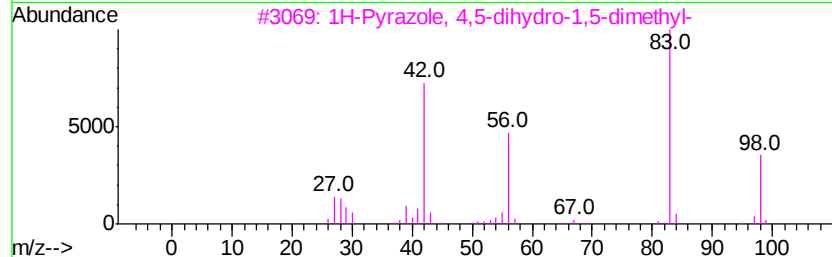
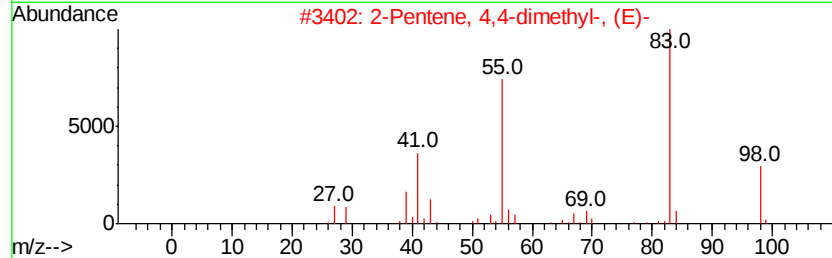
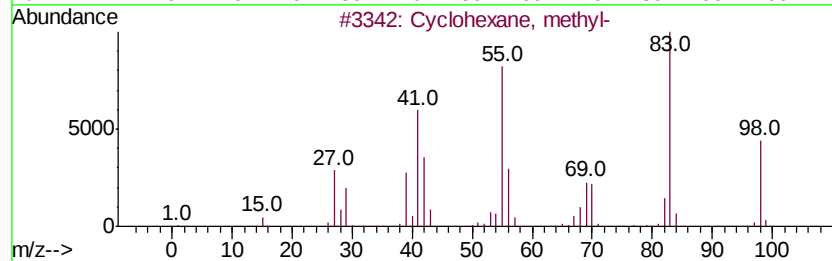
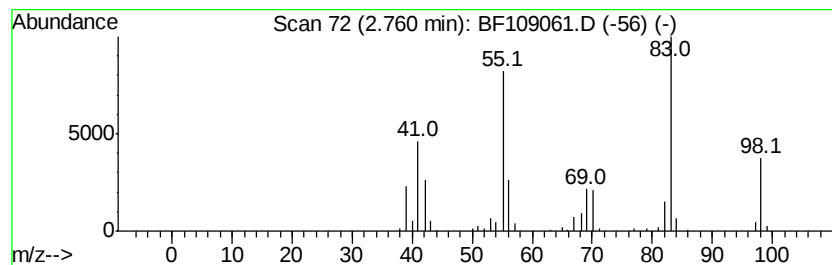
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Cyclohexane, methyl- Concentration Rank 18

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 2.76 | 12.42 ng | 546304 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# | of | Tentative ID                        | MW | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|----|---------|-------------|------|
| 1    | 5  | Cyclohexane, methyl-                | 98 | C7H14   | 000108-87-2 | 97   |
| 2    |    | 2-Pentene, 4,4-dimethyl-, (E)-      | 98 | C7H14   | 000690-08-4 | 58   |
| 3    |    | 1H-Pyrazole, 4,5-dihydro-1,5-dim... | 98 | C5H10N2 | 005775-96-2 | 58   |
| 4    |    | 7-Oxabicyclo[4.1.0]heptane          | 98 | C6H10O  | 000286-20-4 | 53   |
| 5    |    | 2-Pentene, 3,4-dimethyl-, (Z)-      | 98 | C7H14   | 004914-91-4 | 52   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

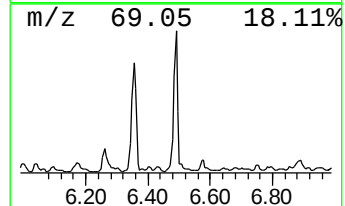
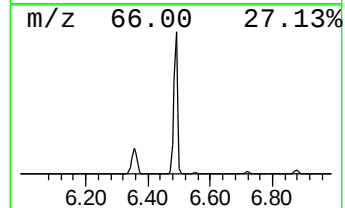
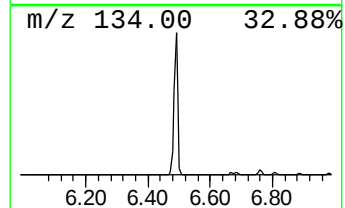
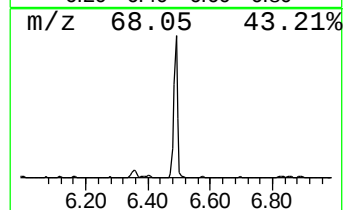
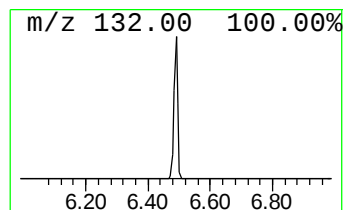
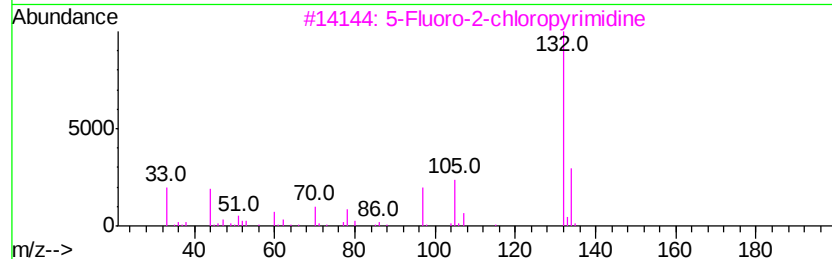
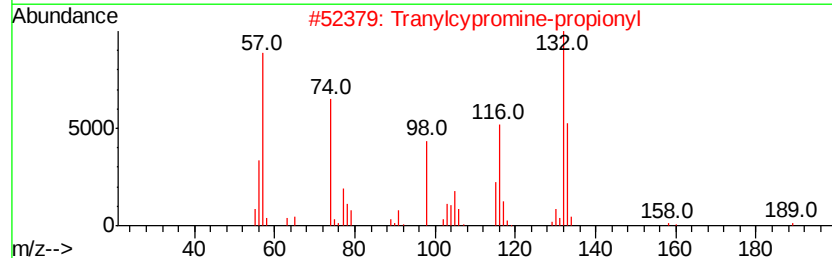
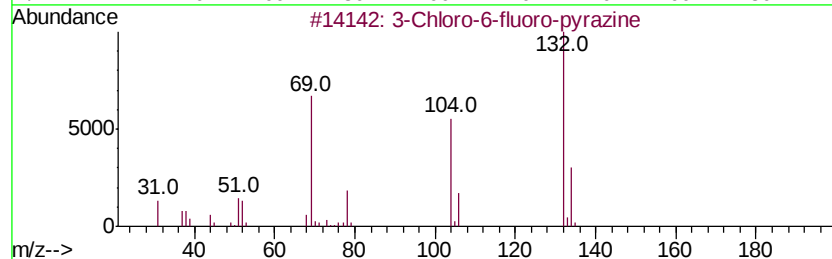
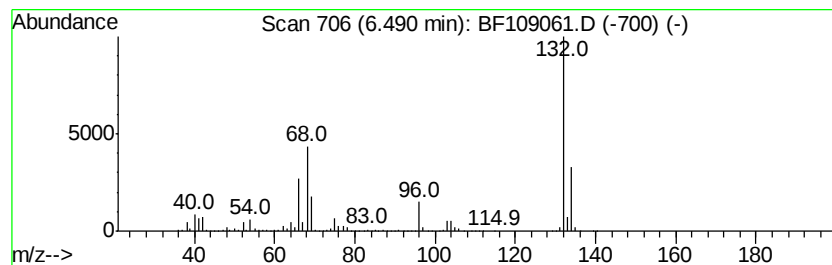
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.49 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.49 | 51.62 ng | 2271280 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 3    |    | 5-Fluoro-2-chloropyrimidine      | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 4    |    | 4-Chloro-2-fluoro-pyrimidine     | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 5    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\  
Data File : BF109061.D  
Acq On : 17 Sep 2018 21:08  
Operator : JU/SJ  
Sample : J4936-15  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
138-KV

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

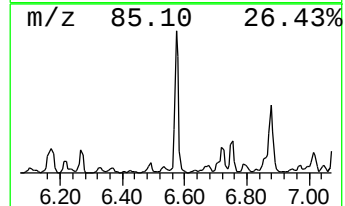
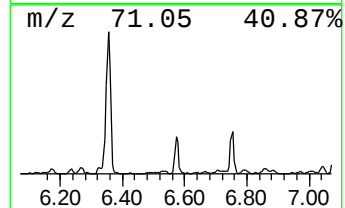
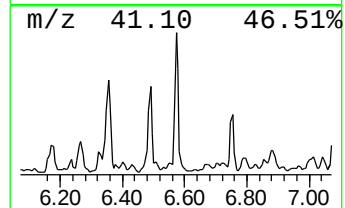
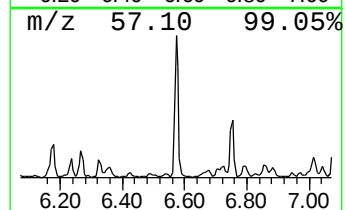
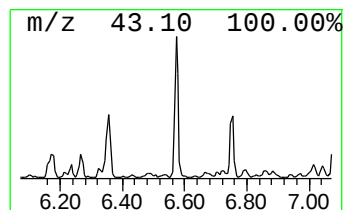
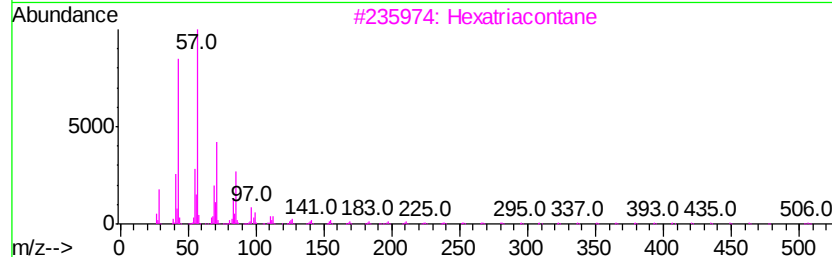
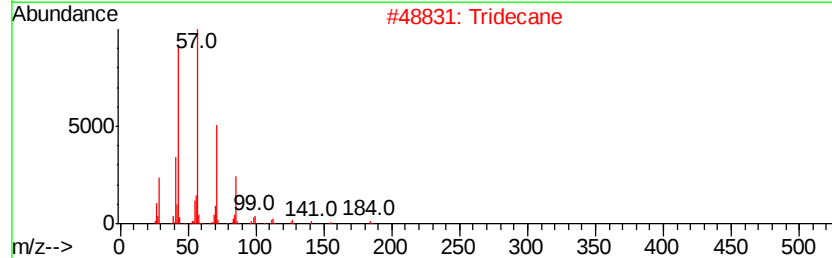
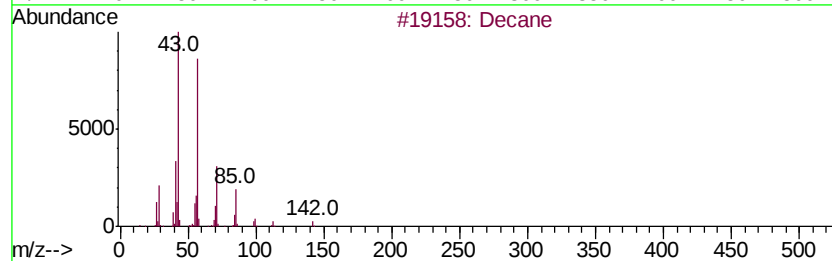
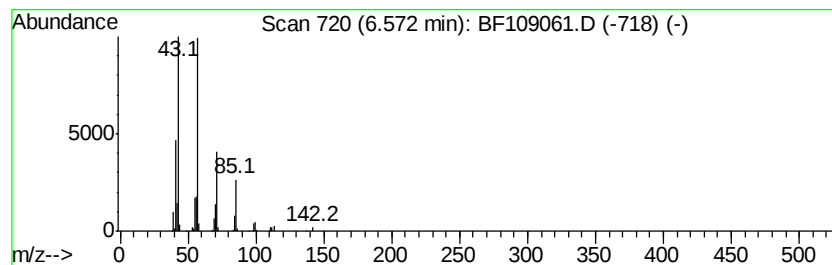
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Decane Concentration Rank 12

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.57 | 14.54 ng | 639593 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# | of | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------|-----|---------|-------------|------|
| 1    | 5  | Decane                   | 142 | C10H22  | 000124-18-5 | 94   |
| 2    |    | Tridecane                | 184 | C13H28  | 000629-50-5 | 78   |
| 3    |    | Hexatriacontane          | 507 | C36H74  | 000630-06-8 | 78   |
| 4    |    | Undecane                 | 156 | C11H24  | 001120-21-4 | 78   |
| 5    |    | Decane, 2,3,6-trimethyl- | 184 | C13H28  | 062238-12-4 | 78   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\  
Data File : BF109061.D  
Acq On : 17 Sep 2018 21:08  
Operator : JU/SJ  
Sample : J4936-15  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
138-KV

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

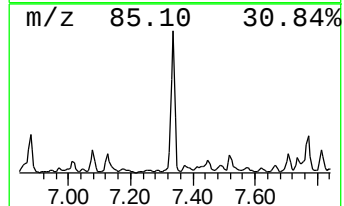
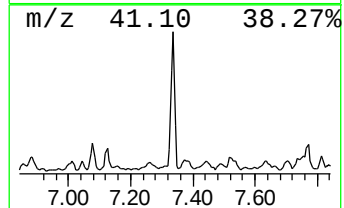
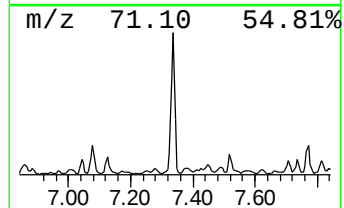
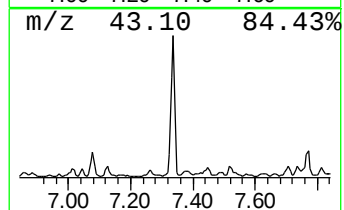
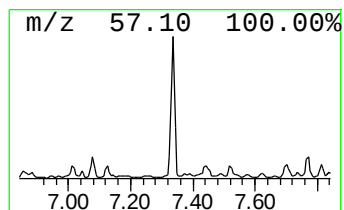
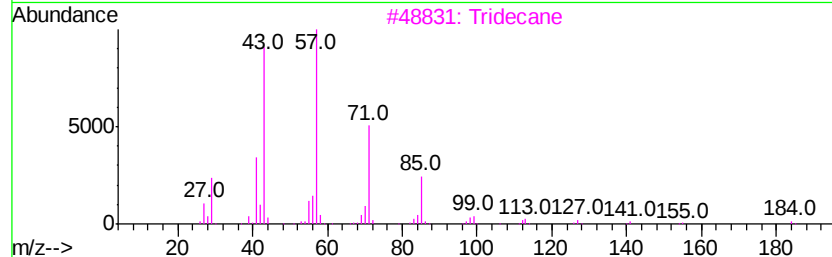
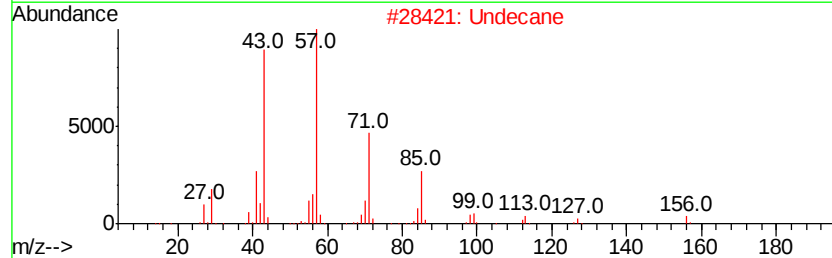
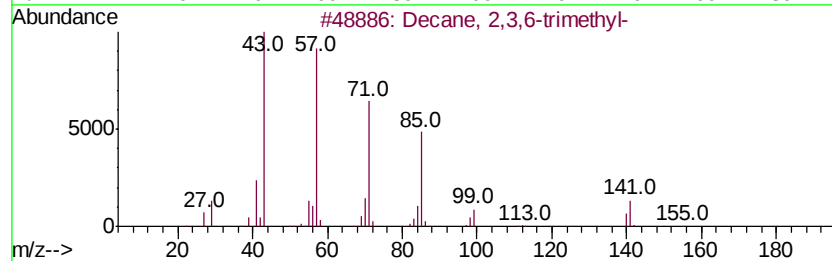
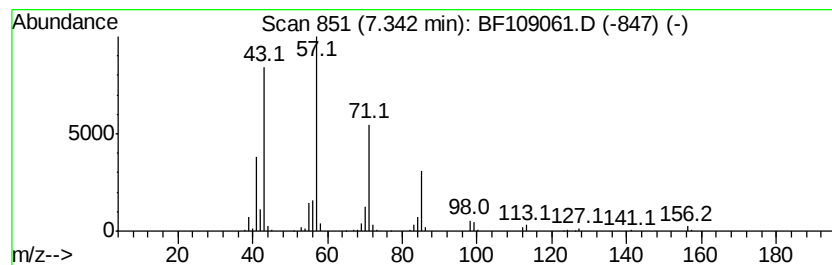
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Decane, 2,3,6-trimethyl- Concentration Rank 7

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 7.34 | 21.12 ng | 929131 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# of | 5                        | Tentative ID | MW     | MolForm     | CAS# | Qual |
|---------|--------------------------|--------------|--------|-------------|------|------|
| 1       | Decane, 2,3,6-trimethyl- | 184          | C13H28 | 062238-12-4 | 90   |      |
| 2       | Undecane                 | 156          | C11H24 | 001120-21-4 | 90   |      |
| 3       | Tridecane                | 184          | C13H28 | 000629-50-5 | 86   |      |
| 4       | Undecane, 2,3-dimethyl-  | 184          | C13H28 | 017312-77-5 | 83   |      |
| 5       | Hexadecane               | 226          | C16H34 | 000544-76-3 | 83   |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\  
Data File : BF109061.D  
Acq On : 17 Sep 2018 21:08  
Operator : JU/SJ  
Sample : J4936-15  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
138-KV

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

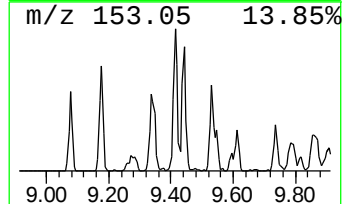
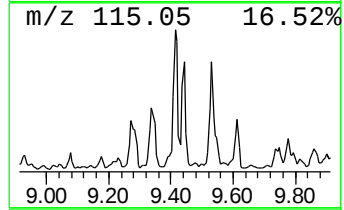
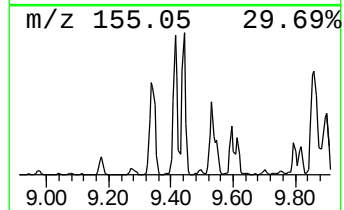
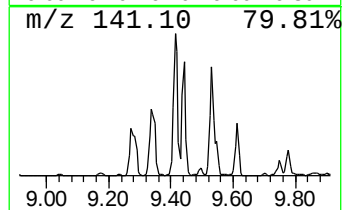
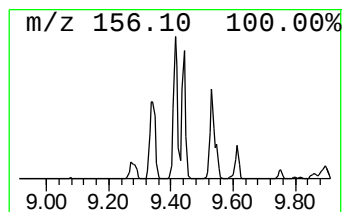
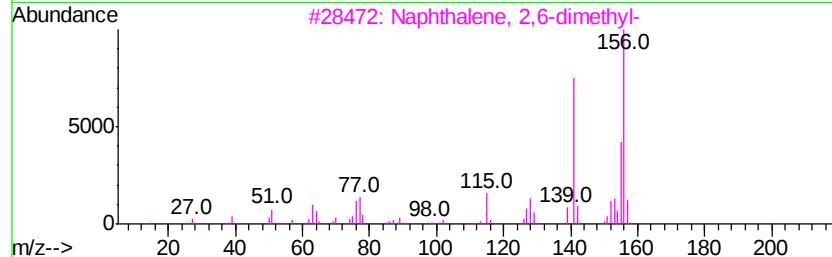
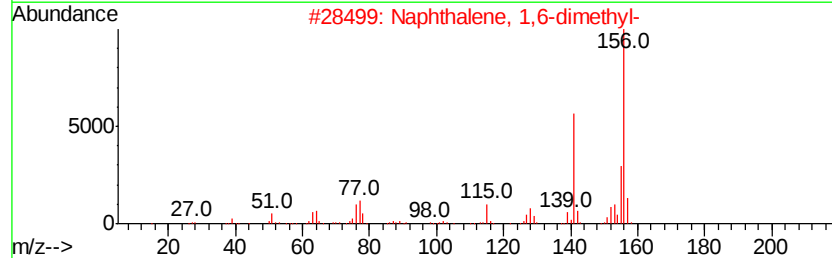
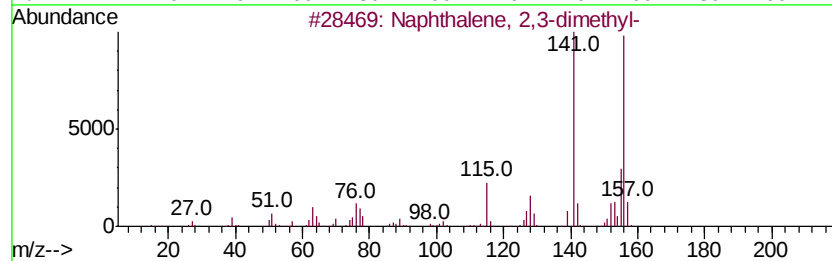
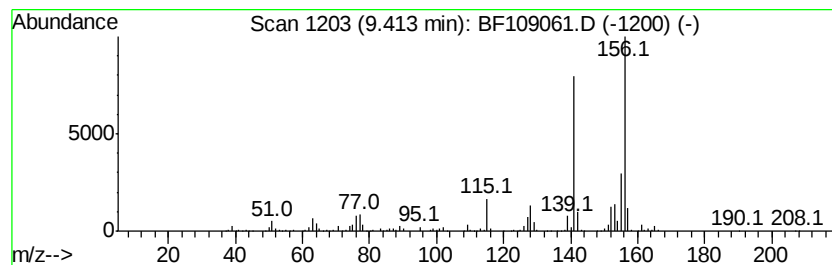
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 17

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 9.41 | 12.63 ng | 791556 | Acenaphthene-d10 | 9.75 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 98   |
| 2    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 3    |    | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 4    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 5    |    | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\  
Data File : BF109061.D  
Acq On : 17 Sep 2018 21:08  
Operator : JU/SJ  
Sample : J4936-15  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
138-KV

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

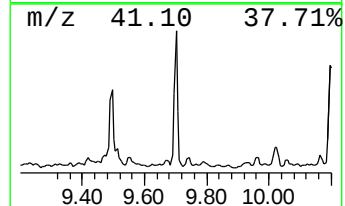
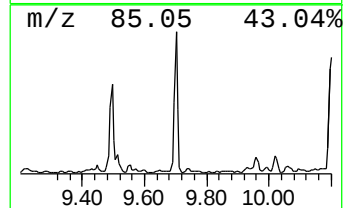
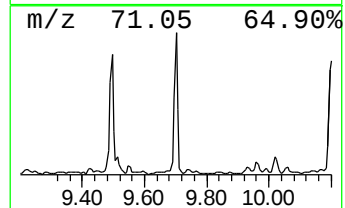
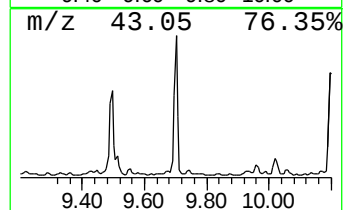
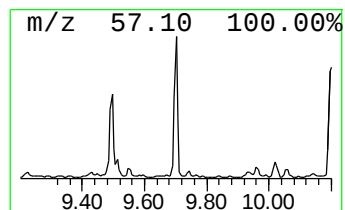
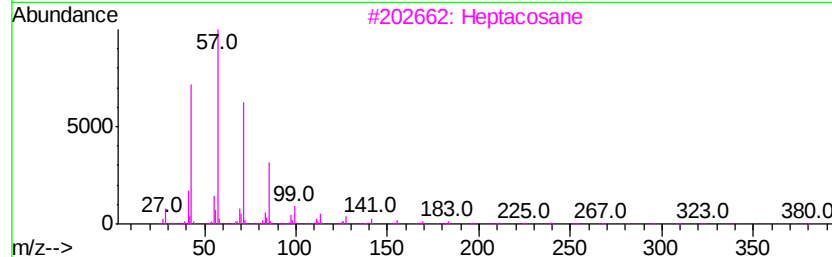
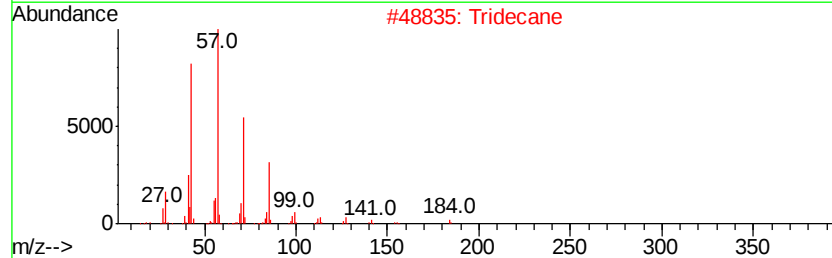
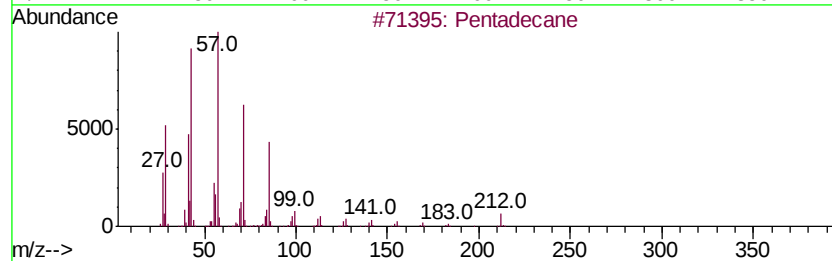
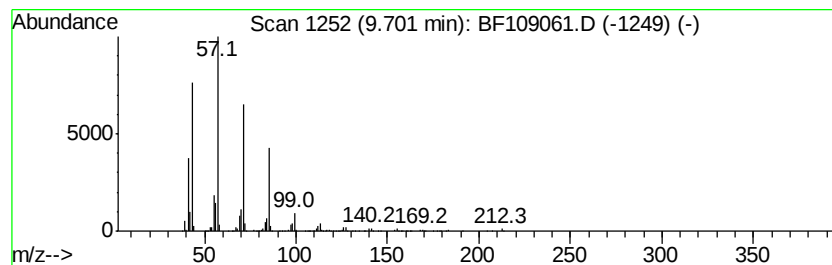
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Pentadecane Concentration Rank 19

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 9.70 | 12.20 ng | 764368 | Acenaphthene-d10 | 9.75 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane           | 212 | C15H32  | 000629-62-9 | 90   |
| 2    |    | Tridecane             | 184 | C13H28  | 000629-50-5 | 90   |
| 3    |    | Heptacosane           | 380 | C27H56  | 000593-49-7 | 83   |
| 4    |    | Hexadecane            | 226 | C16H34  | 000544-76-3 | 80   |
| 5    |    | Nonane, 3,7-dimethyl- | 156 | C11H24  | 017302-32-8 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\  
Data File : BF109061.D  
Acq On : 17 Sep 2018 21:08  
Operator : JU/SJ  
Sample : J4936-15  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
138-KV

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

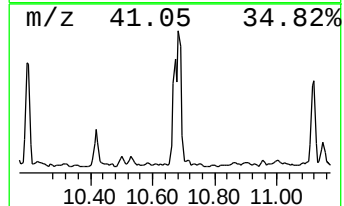
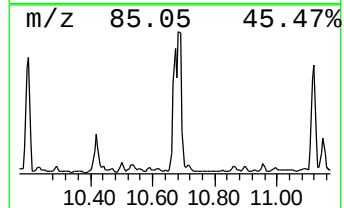
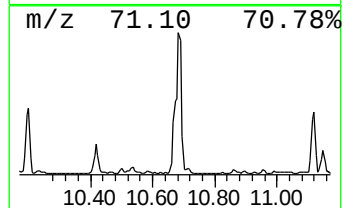
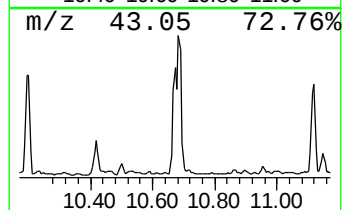
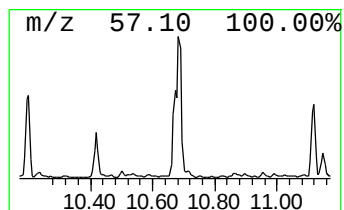
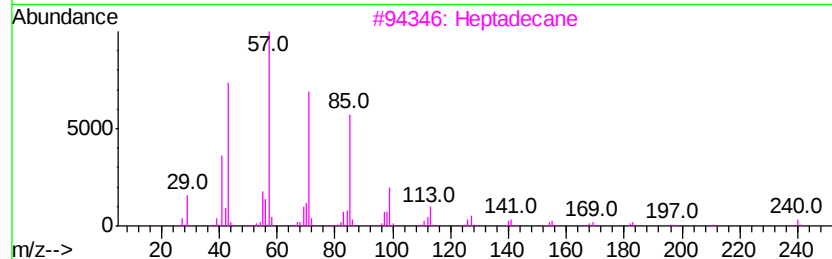
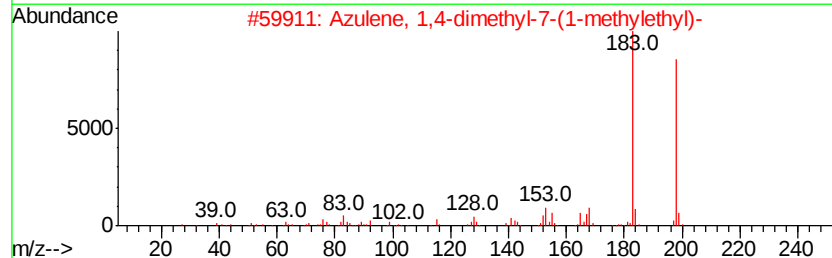
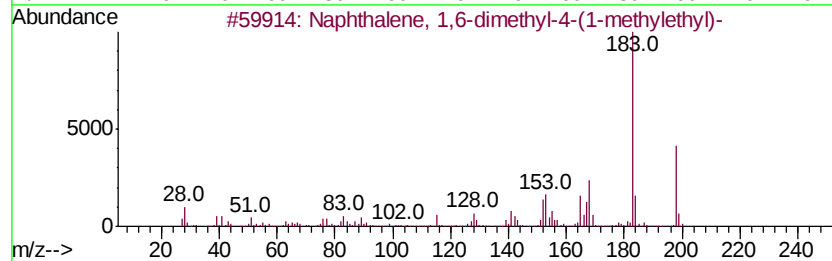
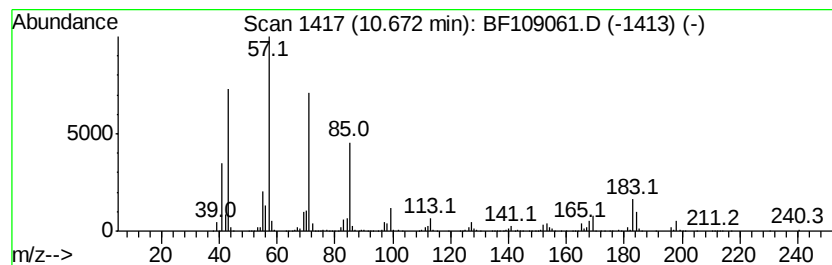
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Naphthalene, 1,6-dimethyl-4... Concentration Rank 4

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 10.67 | 27.17 ng | 1236910 | Phenanthrene-d10 | 11.23 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,6-dimethyl-4-(1-m... | 198 | C15H18  | 000483-78-3 | 91   |
| 2    |    | Azulene, 1,4-dimethyl-7-(1-methy... | 198 | C15H18  | 000489-84-9 | 55   |
| 3    |    | Heptadecane                         | 240 | C17H36  | 000629-78-7 | 43   |
| 4    |    | Dodecane                            | 170 | C12H26  | 000112-40-3 | 35   |
| 5    |    | Tetradecane                         | 198 | C14H30  | 000629-59-4 | 30   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\  
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Acq On : 17 Sep 2018 21:08  
Operator : JU/SJ  
Sample : J4936-15  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
138-KV

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.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 Pentadecane, 2,6,10,14-tetr... Concentration Rank 5

| R.T.      | EstConc                             | Area    | Relative to ISTD | R.T.        |      |
|-----------|-------------------------------------|---------|------------------|-------------|------|
| 10.68     | 23.12 ng                            | 1052570 | Phenanthrene-d10 | 11.23       |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm          | CAS#        | Qual |
| 1         | Pentadecane, 2,6,10,14-tetramethyl- | 268     | C19H40           | 001921-70-6 | 91   |
| 2         | Dodecane, 2,6,11-trimethyl-         | 212     | C15H32           | 031295-56-4 | 90   |
| 3         | Dodecane, 4,6-dimethyl-             | 198     | C14H30           | 061141-72-8 | 87   |
| 4         | Dodecane, 2,7,10-trimethyl-         | 212     | C15H32           | 074645-98-0 | 80   |
| 5         | Tridecane, 5-propyl-                | 226     | C16H34           | 055045-11-9 | 78   |

