

Data Path : Z:\HPCHEM1\BNA\_F\Data\BF071417\  
 Data File : BF096785.D  
 Acq On : 14 Jul 2017 21:35  
 Operator : SJ/JU  
 Sample : I4172-08  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-CONCRETE-BATCH-15

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:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.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         | 4.134       | 360           | 365         | 373          | rBV      | 1047136        | 1351584       | 46.36%          | 2.040%        |
| 2         | 4.804       | 472           | 479         | 483          | rBV      | 1438396        | 2101777       | 72.10%          | 3.173%        |
| 3         | 5.228       | 547           | 551         | 564          | rVB      | 1529651        | 1407613       | 48.28%          | 2.125%        |
| 4         | 6.269       | 722           | 728         | 731          | rBV      | 2341235        | 2495150       | 85.59%          | 3.767%        |
| 5         | 6.392       | 744           | 749         | 752          | rBV      | 1928003        | 1771398       | 60.76%          | 2.674%        |
| 6         | 6.622       | 784           | 788         | 793          | rBV      | 931384         | 764759        | 26.23%          | 1.154%        |
| 7         | 6.781       | 810           | 815         | 818          | rBV      | 2112999        | 1943540       | 66.67%          | 2.934%        |
| 8         | 7.045       | 853           | 860         | 867          | rBV2     | 66192          | 86159         | 2.96%           | 0.130%        |
| 9         | 7.186       | 878           | 884         | 887          | rBV      | 1728175        | 1644825       | 56.42%          | 2.483%        |
| 10        | 7.580       | 946           | 951         | 954          | rVV2     | 149193         | 181939        | 6.24%           | 0.275%        |
| 11        | 7.686       | 965           | 969         | 970          | rBV2     | 105227         | 123103        | 4.22%           | 0.186%        |
| 12        | 7.698       | 970           | 971         | 974          | rVB      | 117657         | 80814         | 2.77%           | 0.122%        |
| 13        | 7.869       | 994           | 1000        | 1002         | rBV3     | 100668         | 140532        | 4.82%           | 0.212%        |
| 14        | 7.904       | 1002          | 1006        | 1009         | rVV      | 1279807        | 1198676       | 41.12%          | 1.810%        |
| 15        | 7.928       | 1009          | 1010        | 1014         | rVV2     | 144075         | 104995        | 3.60%           | 0.158%        |
| 16        | 7.986       | 1017          | 1020        | 1023         | rVV      | 114767         | 101173        | 3.47%           | 0.153%        |
| 17        | 8.075       | 1031          | 1035        | 1039         | rBV4     | 41483          | 72181         | 2.48%           | 0.109%        |
| 18        | 8.175       | 1050          | 1052        | 1055         | rBV3     | 66662          | 83077         | 2.85%           | 0.125%        |
| 19        | 8.269       | 1065          | 1068        | 1070         | rVV      | 165436         | 142368        | 4.88%           | 0.215%        |
| 20        | 8.298       | 1070          | 1073        | 1077         | rVV2     | 92803          | 106208        | 3.64%           | 0.160%        |
| 21        | 8.345       | 1077          | 1081        | 1084         | rVV      | 231197         | 275791        | 9.46%           | 0.416%        |
| 22        | 8.375       | 1084          | 1086        | 1090         | rVV3     | 144059         | 171367        | 5.88%           | 0.259%        |
| 23        | 8.416       | 1090          | 1093        | 1098         | rVV4     | 66997          | 109116        | 3.74%           | 0.165%        |
| 24        | 8.469       | 1098          | 1102        | 1105         | rVV2     | 168650         | 201362        | 6.91%           | 0.304%        |
| 25        | 8.516       | 1105          | 1110        | 1113         | rVV2     | 458869         | 528515        | 18.13%          | 0.798%        |
| 26        | 8.545       | 1113          | 1115        | 1122         | rVV5     | 117977         | 281301        | 9.65%           | 0.425%        |
| 27        | 8.622       | 1122          | 1128        | 1131         | rVV      | 1504244        | 1593497       | 54.66%          | 2.406%        |
| 28        | 8.657       | 1131          | 1134        | 1136         | rVV3     | 100849         | 107684        | 3.69%           | 0.163%        |
| 29        | 8.716       | 1140          | 1144        | 1148         | rVV      | 1033001        | 1029477       | 35.31%          | 1.554%        |
| 30        | 8.757       | 1148          | 1151        | 1153         | rVV      | 130546         | 159701        | 5.48%           | 0.241%        |
| 31        | 8.798       | 1156          | 1158        | 1160         | rVV      | 131838         | 160284        | 5.50%           | 0.242%        |
| 32        | 8.822       | 1160          | 1162        | 1165         | rVV3     | 198254         | 268253        | 9.20%           | 0.405%        |
| 33        | 8.851       | 1165          | 1167        | 1170         | rVV3     | 135419         | 202112        | 6.93%           | 0.305%        |
| 34        | 8.880       | 1170          | 1172        | 1174         | rVV2     | 141917         | 176393        | 6.05%           | 0.266%        |

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 E2-CONCRETE-BATCH-15

Integration Parameters: rteint.p  
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 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:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 8.922  | 1177 | 1179 | 1181 | rVV3 | 145231  | 180492  | 6.19%   | 0.272% |
| 36 | 8.945  | 1181 | 1183 | 1185 | rVV  | 337868  | 348008  | 11.94%  | 0.525% |
| 37 | 8.986  | 1185 | 1190 | 1193 | rVV  | 2801415 | 2915253 | 100.00% | 4.401% |
| 38 | 9.039  | 1195 | 1199 | 1201 | rVV3 | 228961  | 314126  | 10.78%  | 0.474% |
| 39 | 9.080  | 1201 | 1206 | 1210 | rVV  | 989907  | 1274749 | 43.73%  | 1.924% |
| 40 | 9.133  | 1212 | 1215 | 1217 | rVV2 | 247633  | 344171  | 11.81%  | 0.520% |
| 41 | 9.174  | 1218 | 1222 | 1229 | rVV  | 734765  | 1155313 | 39.63%  | 1.744% |
| 42 | 9.251  | 1229 | 1235 | 1238 | rVV  | 1403685 | 2188538 | 75.07%  | 3.304% |
| 43 | 9.322  | 1241 | 1247 | 1249 | rVV  | 1831031 | 2249922 | 77.18%  | 3.396% |
| 44 | 9.345  | 1249 | 1251 | 1254 | rVV  | 1307990 | 1428434 | 49.00%  | 2.156% |
| 45 | 9.374  | 1254 | 1256 | 1258 | rVV2 | 1354742 | 1226802 | 42.08%  | 1.852% |
| 46 | 9.398  | 1258 | 1260 | 1263 | rVV  | 660335  | 762959  | 26.17%  | 1.152% |
| 47 | 9.433  | 1263 | 1266 | 1272 | rVV  | 909284  | 1418054 | 48.64%  | 2.141% |
| 48 | 9.486  | 1272 | 1275 | 1276 | rVV2 | 135234  | 161527  | 5.54%   | 0.244% |
| 49 | 9.516  | 1276 | 1280 | 1286 | rVV2 | 568889  | 946032  | 32.45%  | 1.428% |
| 50 | 9.574  | 1287 | 1290 | 1293 | rVV  | 640146  | 670079  | 22.99%  | 1.012% |
| 51 | 9.610  | 1293 | 1296 | 1299 | rVV  | 1185778 | 1093504 | 37.51%  | 1.651% |
| 52 | 9.657  | 1299 | 1304 | 1307 | rVV2 | 1354363 | 1812245 | 62.16%  | 2.736% |
| 53 | 9.680  | 1307 | 1308 | 1310 | rVV2 | 267095  | 265674  | 9.11%   | 0.401% |
| 54 | 9.704  | 1310 | 1312 | 1314 | rVV3 | 360593  | 404582  | 13.88%  | 0.611% |
| 55 | 9.763  | 1318 | 1322 | 1327 | rVV  | 916108  | 1433694 | 49.18%  | 2.164% |
| 56 | 9.804  | 1327 | 1329 | 1332 | rVV2 | 315698  | 343840  | 11.79%  | 0.519% |
| 57 | 9.863  | 1332 | 1339 | 1342 | rVV  | 1269148 | 1631952 | 55.98%  | 2.464% |
| 58 | 9.904  | 1342 | 1346 | 1348 | rVV  | 1188683 | 1156029 | 39.65%  | 1.745% |
| 59 | 9.933  | 1348 | 1351 | 1354 | rVV3 | 362830  | 398413  | 13.67%  | 0.601% |
| 60 | 9.974  | 1354 | 1358 | 1361 | rVV  | 738097  | 949835  | 32.58%  | 1.434% |
| 61 | 10.004 | 1361 | 1363 | 1366 | rVV  | 1026069 | 849478  | 29.14%  | 1.282% |
| 62 | 10.033 | 1366 | 1368 | 1369 | rVV2 | 165226  | 151451  | 5.20%   | 0.229% |
| 63 | 10.069 | 1369 | 1374 | 1375 | rVV2 | 767778  | 1098149 | 37.67%  | 1.658% |
| 64 | 10.110 | 1378 | 1381 | 1384 | rVV  | 1144189 | 1107182 | 37.98%  | 1.671% |
| 65 | 10.157 | 1384 | 1389 | 1392 | rVV4 | 295012  | 565376  | 19.39%  | 0.853% |
| 66 | 10.198 | 1392 | 1396 | 1398 | rVV2 | 447780  | 497224  | 17.06%  | 0.751% |
| 67 | 10.227 | 1398 | 1401 | 1404 | rVV2 | 352684  | 522428  | 17.92%  | 0.789% |
| 68 | 10.263 | 1406 | 1407 | 1409 | rVV  | 280907  | 232089  | 7.96%   | 0.350% |
| 69 | 10.292 | 1409 | 1412 | 1414 | rVV3 | 207522  | 291226  | 9.99%   | 0.440% |
| 70 | 10.327 | 1414 | 1418 | 1420 | rVV2 | 689963  | 947573  | 32.50%  | 1.430% |
| 71 | 10.351 | 1420 | 1422 | 1424 | rVV2 | 302509  | 327791  | 11.24%  | 0.495% |

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 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-CONCRETE-BATCH-15

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:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 10.374 | 1424 | 1426 | 1429 | rVB  | 331204  | 274451  | 9.41%  | 0.414% |
| 73  | 10.410 | 1429 | 1432 | 1433 | rBV2 | 168195  | 177464  | 6.09%  | 0.268% |
| 74  | 10.439 | 1433 | 1437 | 1441 | rVB4 | 672354  | 875455  | 30.03% | 1.322% |
| 75  | 10.480 | 1441 | 1444 | 1450 | rBV2 | 296573  | 332491  | 11.41% | 0.502% |
| 76  | 10.580 | 1456 | 1461 | 1462 | rBV2 | 1030620 | 1186748 | 40.71% | 1.791% |
| 77  | 10.645 | 1470 | 1472 | 1474 | rBV  | 271493  | 186465  | 6.40%  | 0.281% |
| 78  | 10.669 | 1474 | 1476 | 1478 | rVV2 | 98924   | 80791   | 2.77%  | 0.122% |
| 79  | 10.745 | 1486 | 1489 | 1491 | rVV3 | 145948  | 179642  | 6.16%  | 0.271% |
| 80  | 10.774 | 1491 | 1494 | 1497 | rVV3 | 207487  | 225894  | 7.75%  | 0.341% |
| 81  | 10.804 | 1497 | 1499 | 1501 | rVB2 | 146948  | 105422  | 3.62%  | 0.159% |
| 82  | 10.863 | 1506 | 1509 | 1510 | rBV2 | 111980  | 94226   | 3.23%  | 0.142% |
| 83  | 10.992 | 1528 | 1531 | 1533 | rBV2 | 105086  | 105295  | 3.61%  | 0.159% |
| 84  | 11.021 | 1533 | 1536 | 1539 | rVV  | 599483  | 551436  | 18.92% | 0.832% |
| 85  | 11.057 | 1539 | 1542 | 1547 | rVB  | 389619  | 420303  | 14.42% | 0.634% |
| 86  | 11.133 | 1551 | 1555 | 1557 | rVV  | 1103181 | 927082  | 31.80% | 1.400% |
| 87  | 11.157 | 1557 | 1559 | 1565 | rVB2 | 173869  | 153015  | 5.25%  | 0.231% |
| 88  | 11.404 | 1598 | 1601 | 1605 | rVB  | 105084  | 106776  | 3.66%  | 0.161% |
| 89  | 11.451 | 1606 | 1609 | 1614 | rVB  | 288377  | 271123  | 9.30%  | 0.409% |
| 90  | 11.633 | 1637 | 1640 | 1642 | rBV2 | 81813   | 77389   | 2.65%  | 0.117% |
| 91  | 11.851 | 1675 | 1677 | 1681 | rVV  | 133585  | 117758  | 4.04%  | 0.178% |
| 92  | 12.339 | 1757 | 1760 | 1765 | rBV2 | 71549   | 91830   | 3.15%  | 0.139% |
| 93  | 12.557 | 1794 | 1797 | 1800 | rVB3 | 199721  | 185816  | 6.37%  | 0.281% |
| 94  | 12.721 | 1820 | 1825 | 1828 | rVB  | 2381349 | 2396226 | 82.20% | 3.617% |
| 95  | 13.257 | 1913 | 1916 | 1919 | rBV  | 118261  | 112796  | 3.87%  | 0.170% |
| 96  | 13.627 | 1975 | 1979 | 1987 | rVB2 | 183891  | 280062  | 9.61%  | 0.423% |
| 97  | 13.757 | 1997 | 2001 | 2005 | rBV  | 970950  | 987707  | 33.88% | 1.491% |
| 98  | 14.257 | 2083 | 2086 | 2097 | rVB2 | 69448   | 105429  | 3.62%  | 0.159% |
| 99  | 15.139 | 2231 | 2236 | 2242 | rBV  | 628408  | 726943  | 24.94% | 1.097% |
| 100 | 16.968 | 2541 | 2547 | 2557 | rVB  | 26880   | 76462   | 2.62%  | 0.115% |

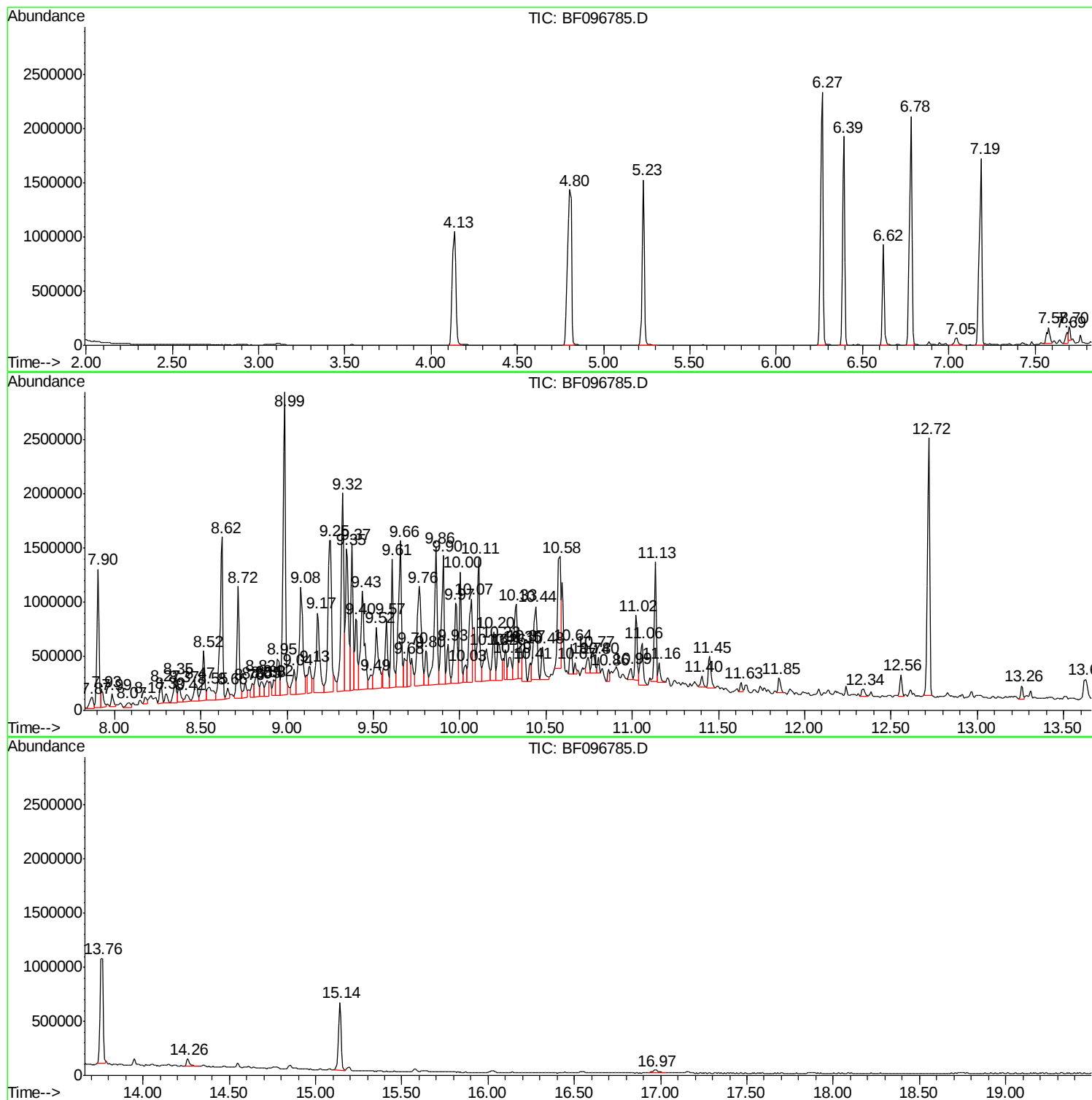
Sum of corrected areas: 66243415

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Instrument :  
BNA\_F  
ClientSampleId :  
E2-CONCRETE-BATCH-15

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_F\Data\BF071417\  
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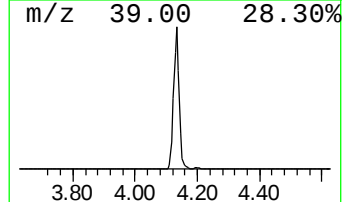
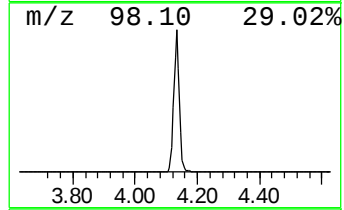
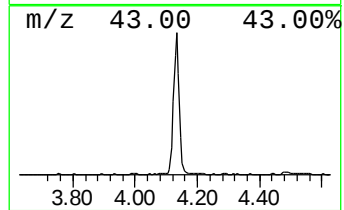
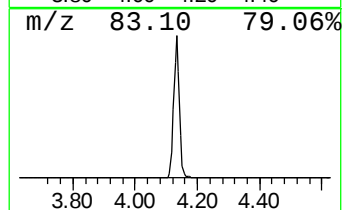
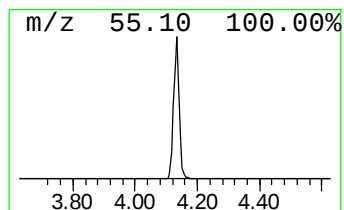
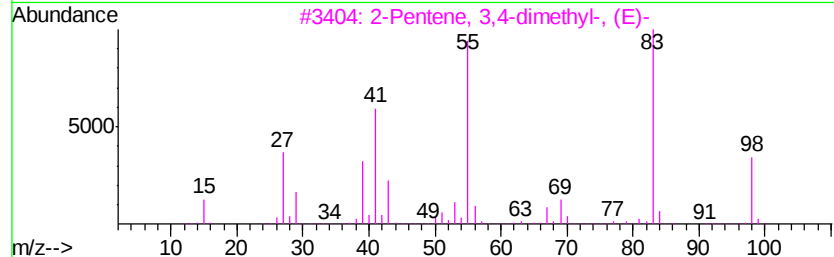
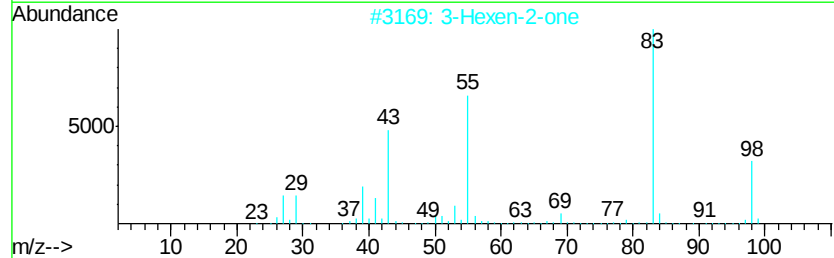
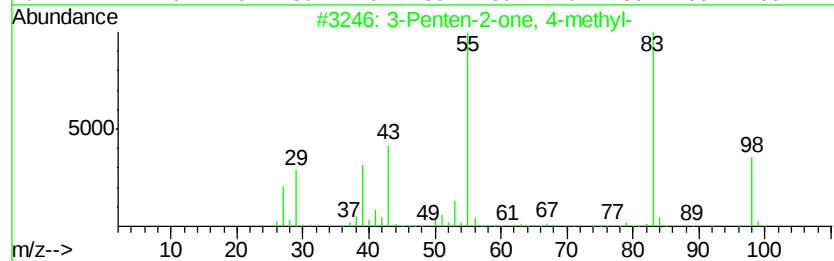
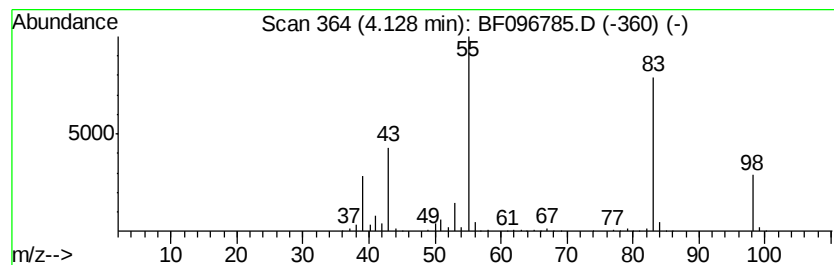
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 4

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.13 | 35.35 ng | 1351580 | 1,4-Dichlorobenzene-d4 | 6.62 |

| Hit# | of | Tentative ID                       | MW | MolForm | CAS#        | Qual |
|------|----|------------------------------------|----|---------|-------------|------|
| 1    | 5  | 3-Penten-2-one, 4-methyl-          | 98 | C6H10O  | 000141-79-7 | 90   |
| 2    |    | 3-Hexen-2-one                      | 98 | C6H10O  | 000763-93-9 | 87   |
| 3    |    | 2-Pentene, 3,4-dimethyl-, (E)-     | 98 | C7H14   | 004914-92-5 | 86   |
| 4    |    | 2-Pentene, 3,4-dimethyl-, (Z)-     | 98 | C7H14   | 004914-91-4 | 86   |
| 5    |    | Cyclopropane, 1,1,2,3-tetramethyl- | 98 | C7H14   | 074752-93-5 | 72   |



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

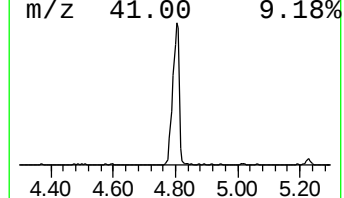
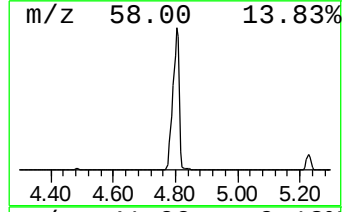
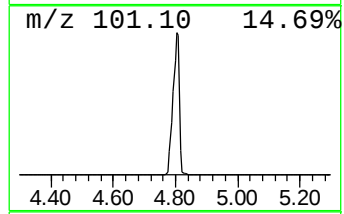
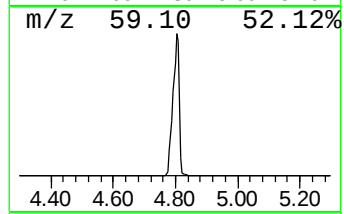
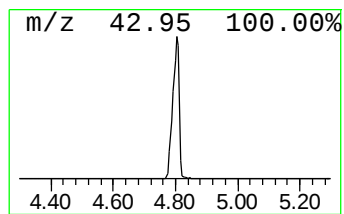
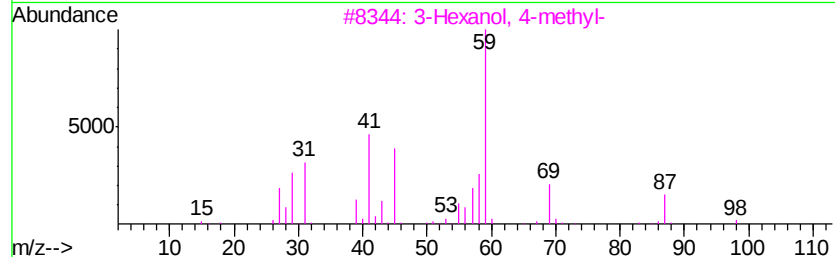
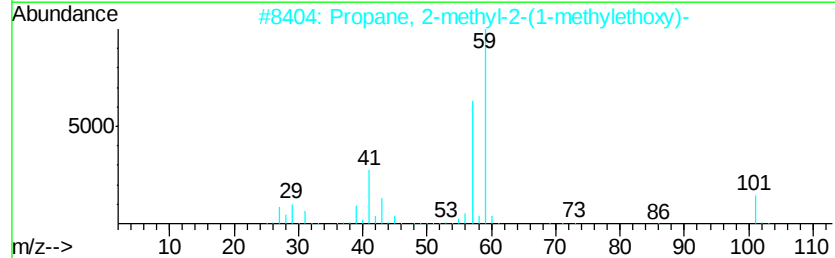
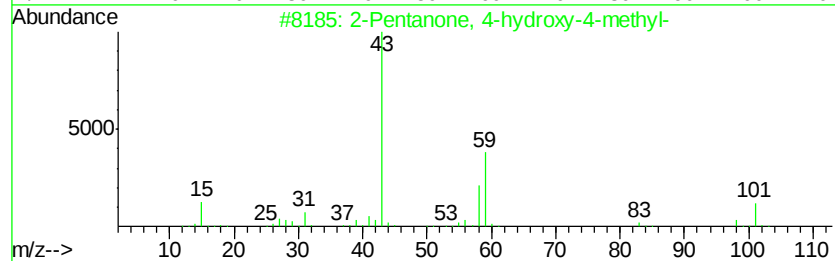
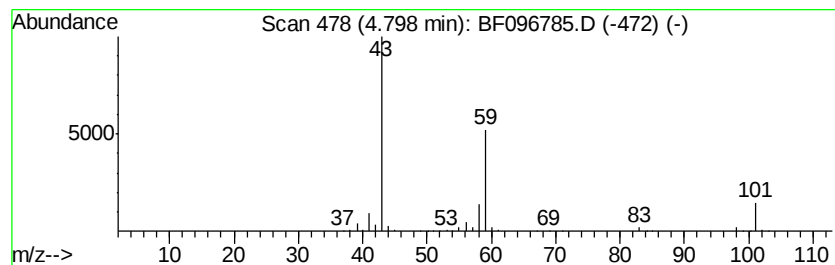
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.80 | 54.97 ng | 2101780 | 1,4-Dichlorobenzene-d4 | 6.62 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 36   |
| 3    |    |   | 3-Hexanol, 4-methyl-                | 116 | C7H16O   | 000615-29-2 | 33   |
| 4    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 32   |
| 5    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O   | 000625-23-0 | 28   |



Data Path : Z:\HPCHEM1\BNA\_F\Data\BF071417\  
Data File : BF096785.D  
Acq On : 14 Jul 2017 21:35  
Operator : SJ/JU  
Sample : I4172-08  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
E2-CONCRETE-BATCH-15

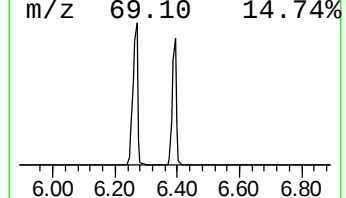
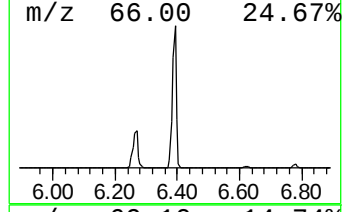
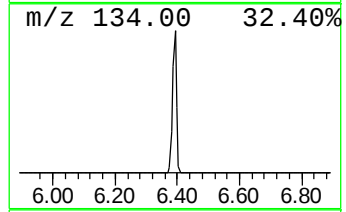
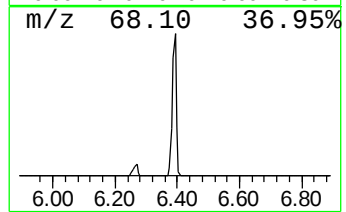
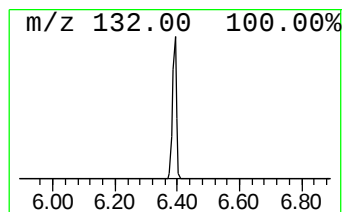
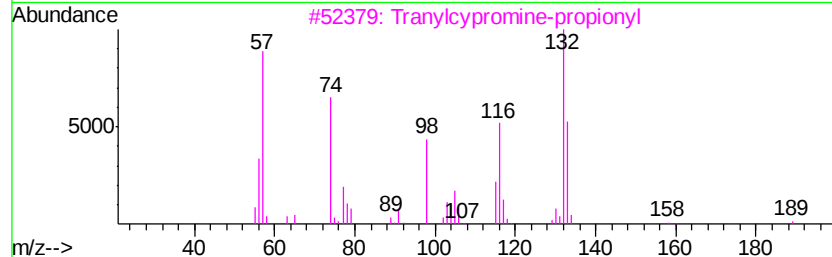
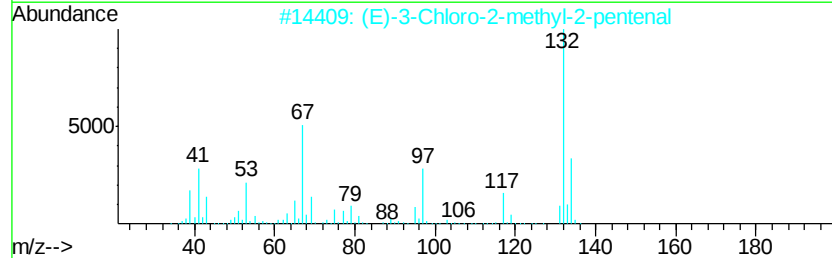
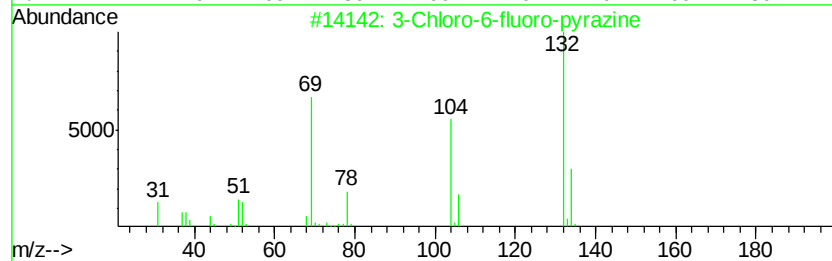
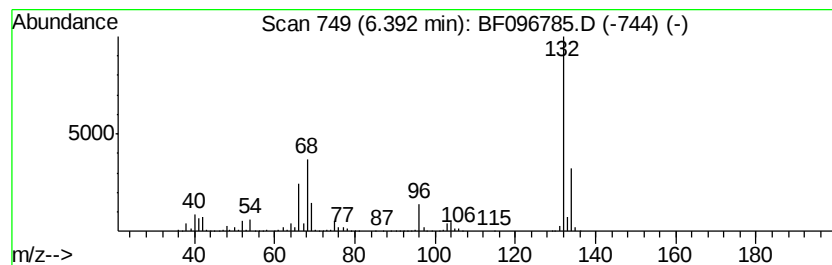
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 unknown6.39 Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.39 | 46.33 ng | 1771400 | 1,4-Dichlorobenzene-d4 | 6.62 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 35   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 3    |    | Tranylcypromine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | Amphetaminil                     | 250 | C17H18N2  | 017590-01-1  | 12   |
| 5    |    | 1,3,5-Trifluorobenzene           | 132 | C6H3F3    | 000372-38-3  | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\Data\BF071417\  
Data File : BF096785.D  
Acq On : 14 Jul 2017 21:35  
Operator : SJ/JU  
Sample : I4172-08  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
E2-CONCRETE-BATCH-15

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

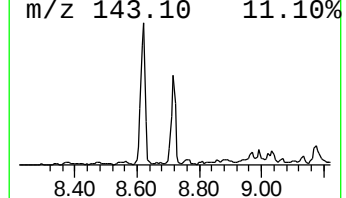
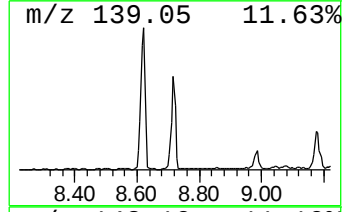
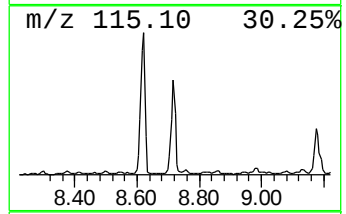
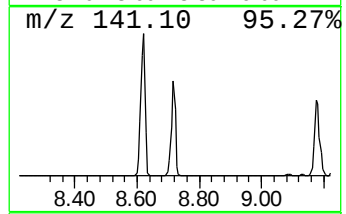
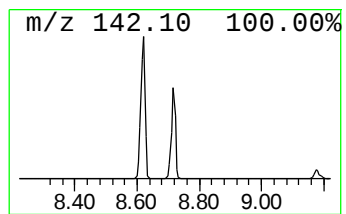
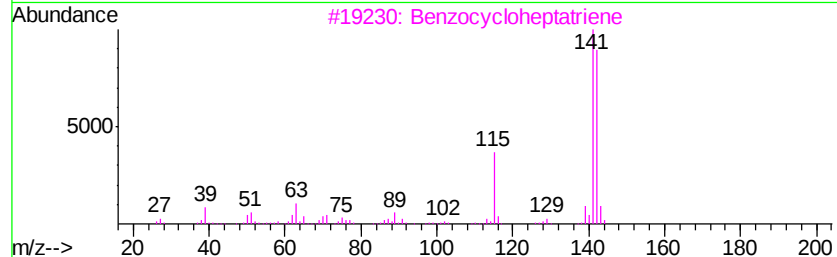
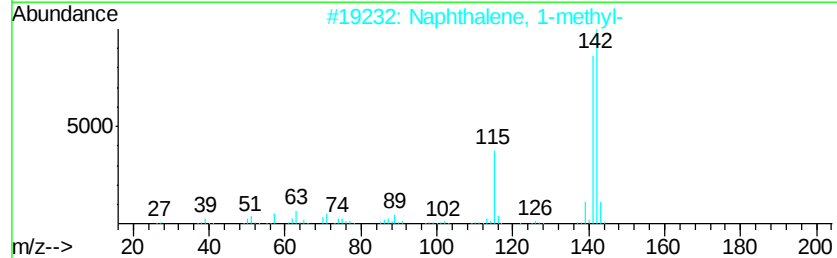
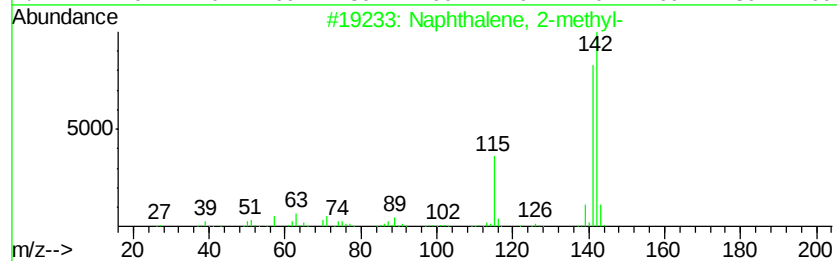
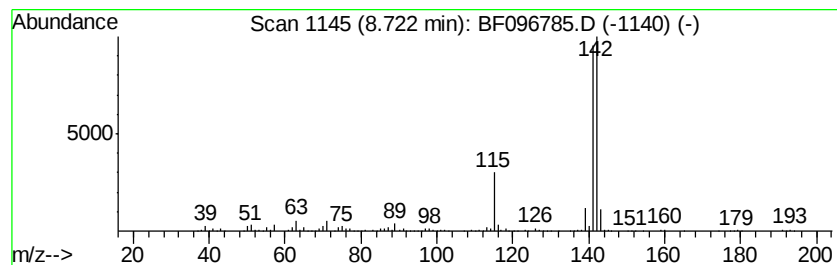
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 Naphthalene, 2-methyl- Concentration Rank 9

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 8.72 | 17.18 ng | 1029480 | Naphthalene-d8   | 7.90 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    | Benzocycloheptatriene               | 142 | C11H10  | 000264-09-5 | 91   |
| 4    |    | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 91   |
| 5    |    | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 59   |



Data Path : Z:\HPCHEM1\BNA\_F\Data\BF071417\  
Data File : BF096785.D  
Acq On : 14 Jul 2017 21:35  
Operator : SJ/JU  
Sample : I4172-08  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
E2-CONCRETE-BATCH-15

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

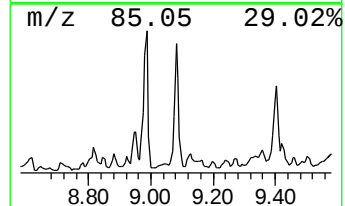
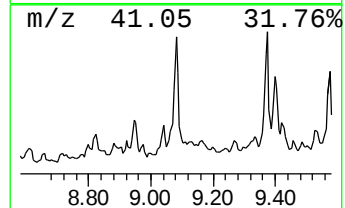
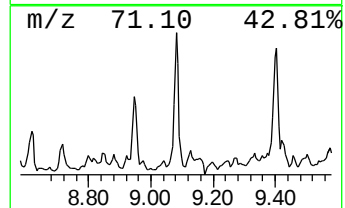
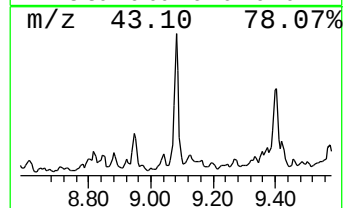
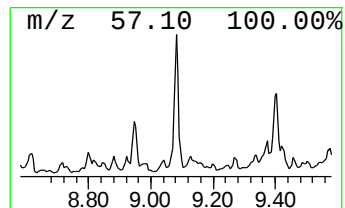
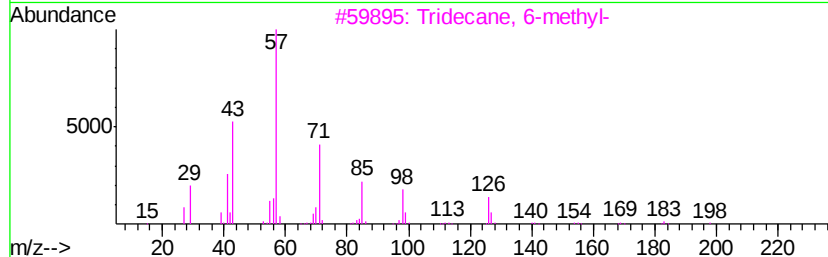
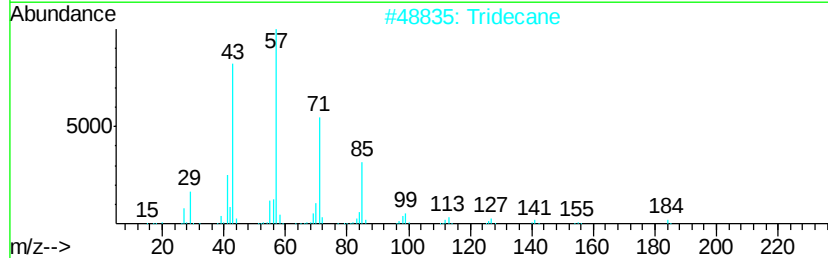
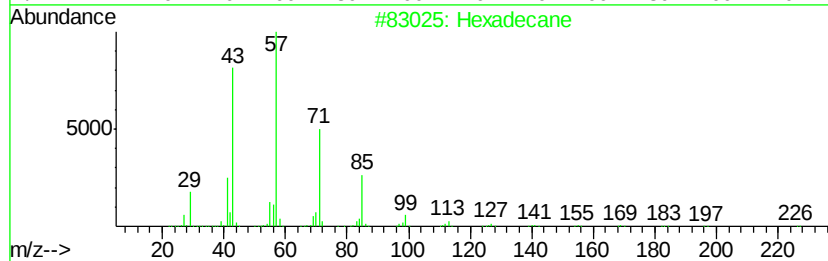
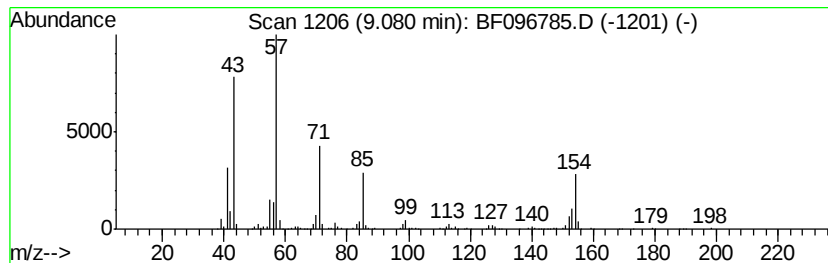
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Hexadecane Concentration Rank 12

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.08 | 14.07 ng | 1274750 | Acenaphthene-d10 | 9.66 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexadecane              | 226 | C16H34  | 000544-76-3 | 62   |
| 2    |    | Tridecane               | 184 | C13H28  | 000629-50-5 | 58   |
| 3    |    | Tridecane, 6-methyl-    | 198 | C14H30  | 013287-21-3 | 52   |
| 4    |    | Nonane, 5-butyl-        | 184 | C13H28  | 017312-63-9 | 47   |
| 5    |    | Undecane, 4,5-dimethyl- | 184 | C13H28  | 017312-79-7 | 47   |



Data Path : Z:\HPCHEM1\BNA\_F\Data\BF071417\  
Data File : BF096785.D  
Acq On : 14 Jul 2017 21:35  
Operator : SJ/JU  
Sample : I4172-08  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
E2-CONCRETE-BATCH-15

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
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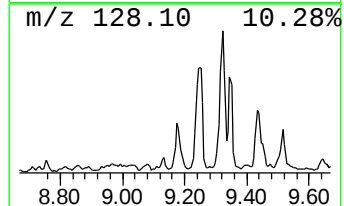
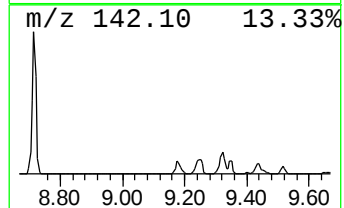
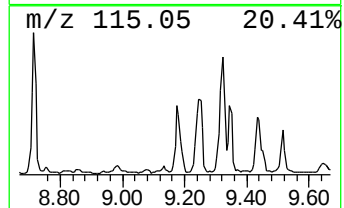
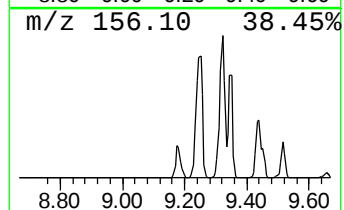
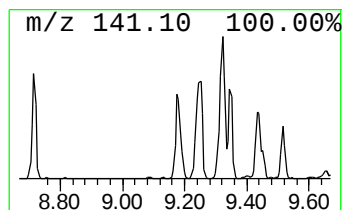
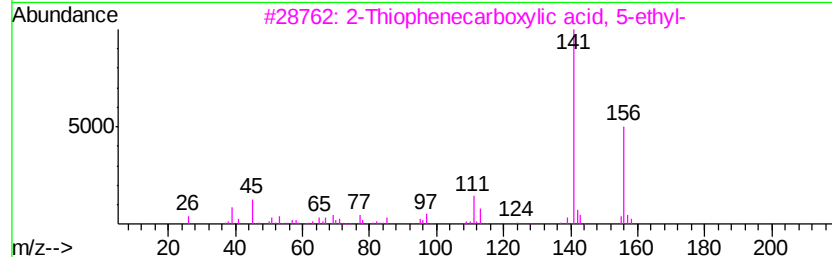
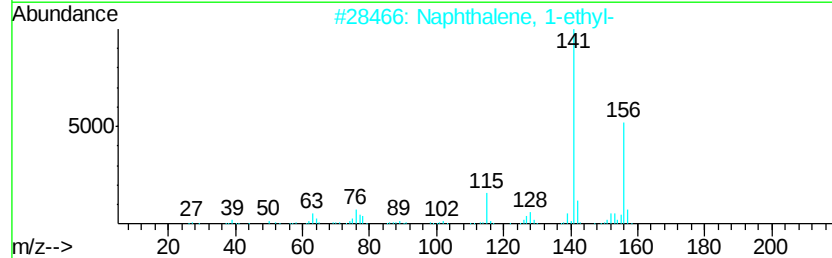
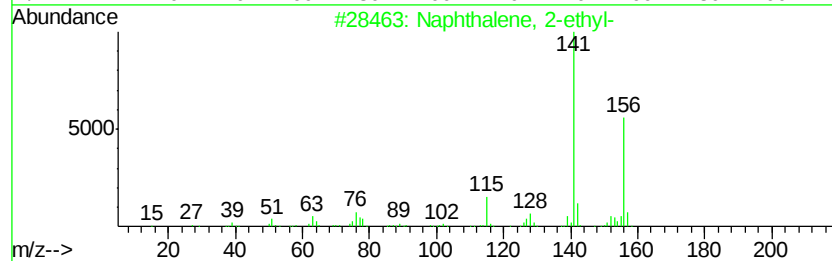
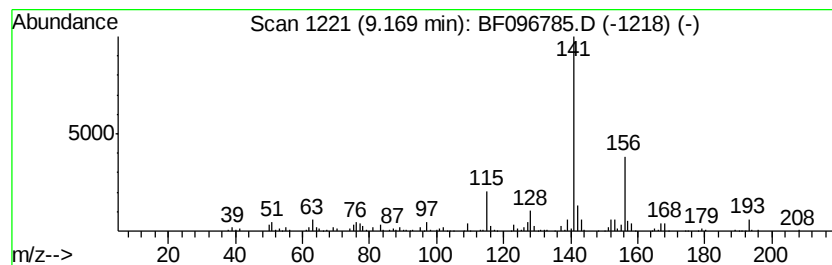
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Naphthalene, 2-ethyl- Concentration Rank 14

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.17 | 12.75 ng | 1155310 | Acenaphthene-d10 | 9.66 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Naphthalene, 2-ethyl-               | 156 | C12H12   | 000939-27-5 | 96   |
| 2    |    | Naphthalene, 1-ethyl-               | 156 | C12H12   | 001127-76-0 | 96   |
| 3    |    | 2-Thiophenecarboxylic acid, 5-et... | 156 | C7H8O2S  | 023229-72-3 | 59   |
| 4    |    | 2-Amino-4-tertbutylthiazole         | 156 | C7H12N2S | 074370-93-7 | 59   |
| 5    |    | 5-Acetyl-2-amino-4-methylthiazole   | 156 | C6H8N2OS | 030748-47-1 | 53   |



Data Path : Z:\HPCHEM1\BNA\_F\Data\BF071417\  
Data File : BF096785.D  
Acq On : 14 Jul 2017 21:35  
Operator : SJ/JU  
Sample : I4172-08  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
E2-CONCRETE-BATCH-15

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

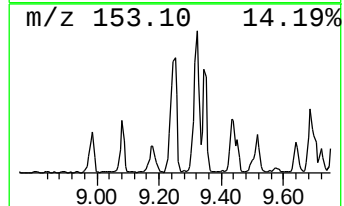
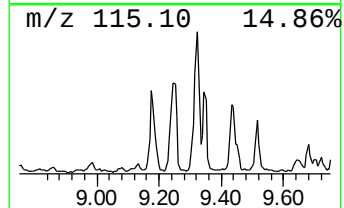
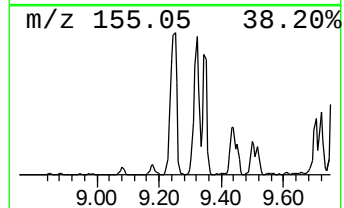
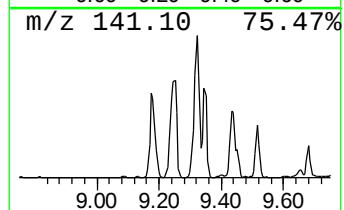
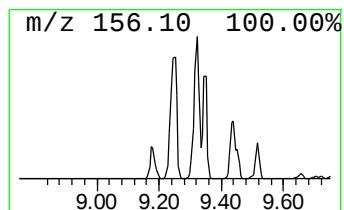
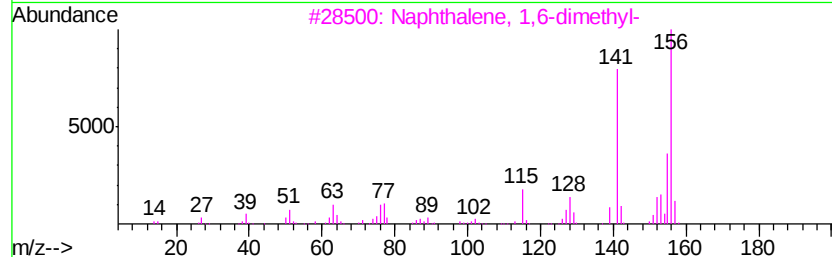
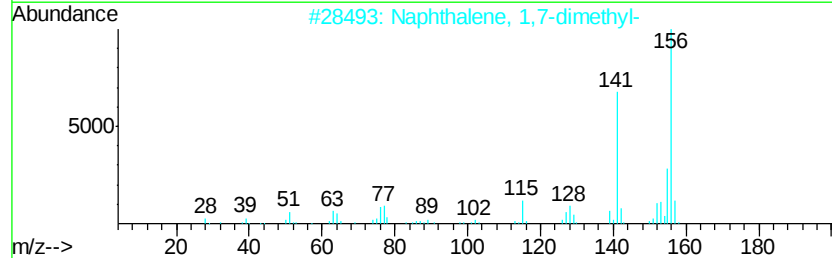
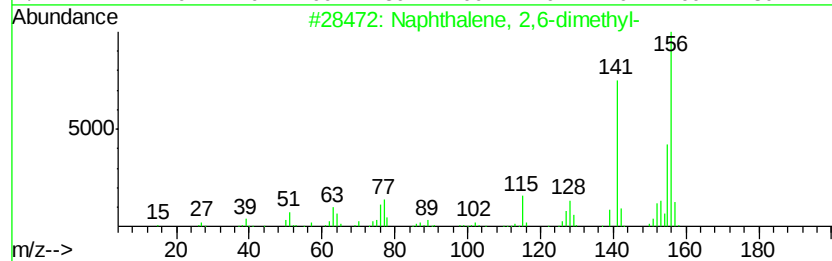
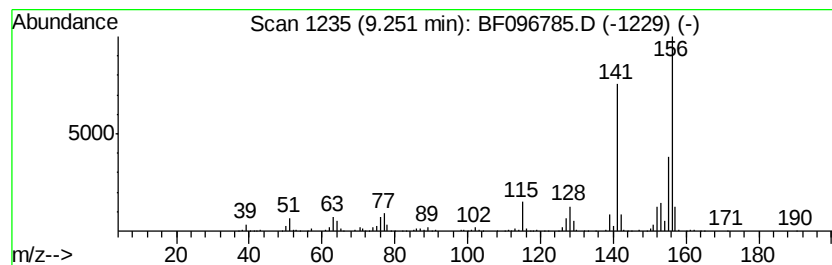
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 7

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.25 | 24.15 ng | 2188540 | Acenaphthene-d10 | 9.66 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 2    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 97   |
| 3    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 4    |    | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 96   |
| 5    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 96   |



Data Path : Z:\HPCHEM1\BNA\_F\Data\BF071417\  
Data File : BF096785.D  
Acq On : 14 Jul 2017 21:35  
Operator : SJ/JU  
Sample : I4172-08  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
E2-CONCRETE-BATCH-15

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

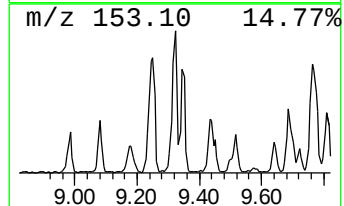
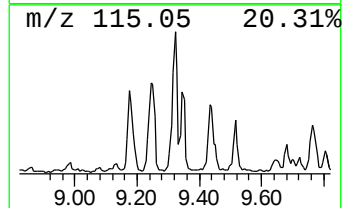
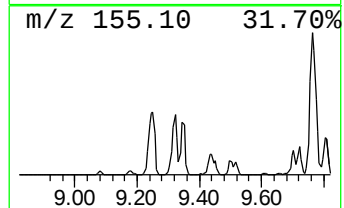
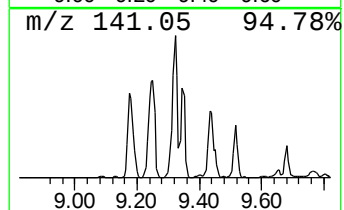
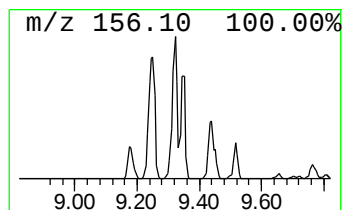
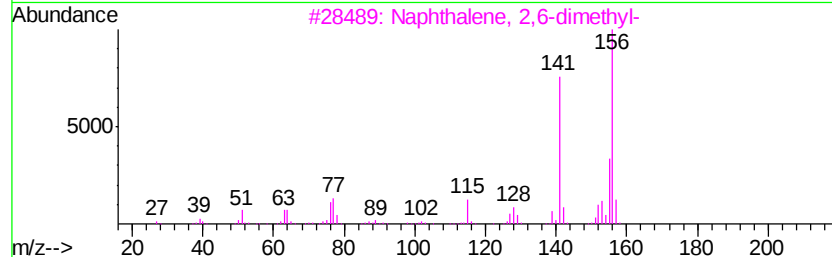
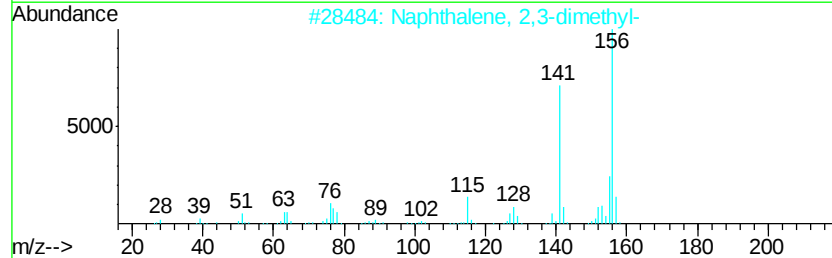
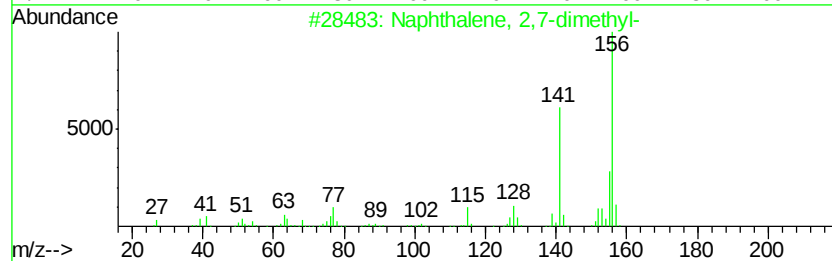
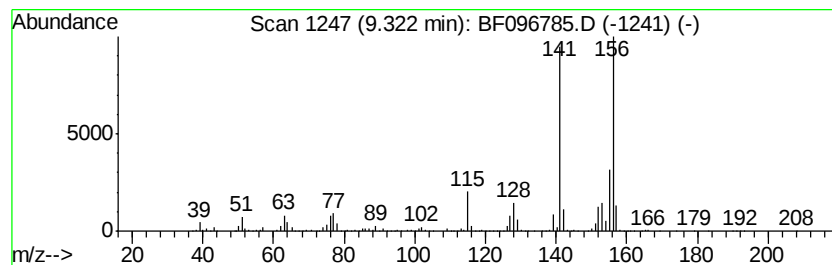
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Naphthalene, 2,7-dimethyl- Concentration Rank 6

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.32 | 24.83 ng | 2249920 | Acenaphthene-d10 | 9.66 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 2    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 3    |    | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 4    |    | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |
| 5    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |



Data Path : Z:\HPCHEM1\BNA\_F\Data\BF071417\  
Data File : BF096785.D  
Acq On : 14 Jul 2017 21:35  
Operator : SJ/JU  
Sample : I4172-08  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
E2-CONCRETE-BATCH-15

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

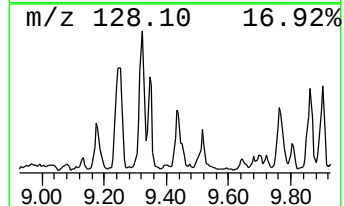
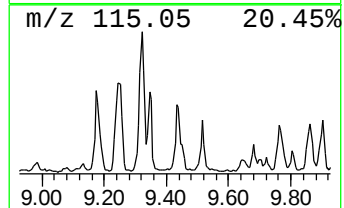
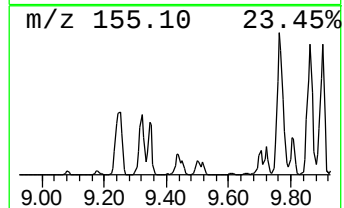
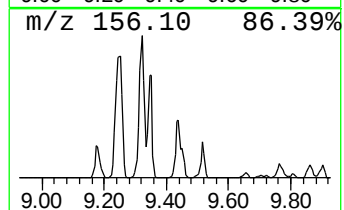
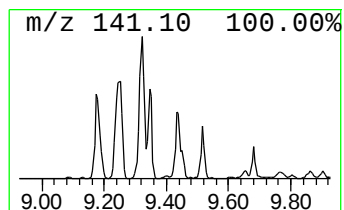
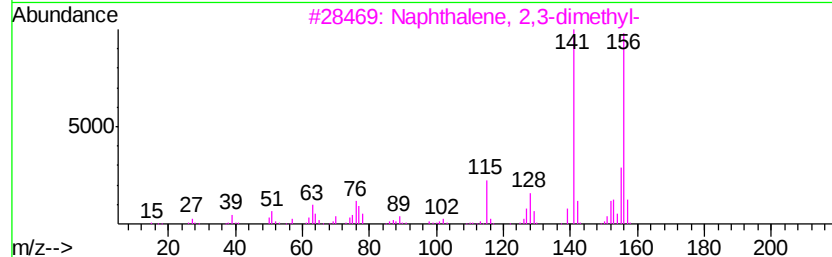
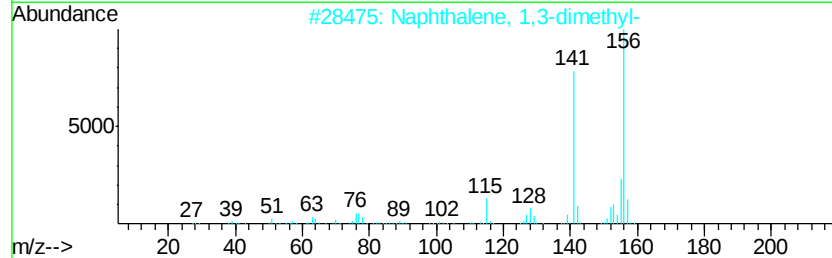
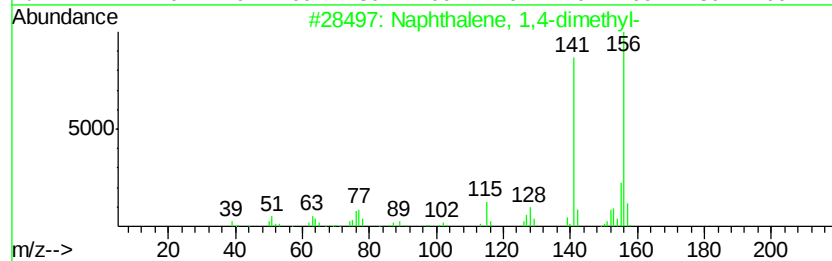
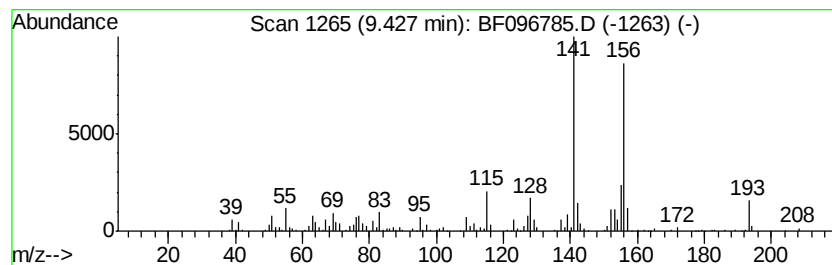
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 Naphthalene, 1,4-dimethyl- Concentration Rank 11

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.43 | 15.65 ng | 1418050 | Acenaphthene-d10 | 9.66 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 96   |
| 2    |    | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |
| 3    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 96   |
| 4    |    | Naphthalene, 1,8-dimethyl- | 156 | C12H12  | 000569-41-5 | 96   |
| 5    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 95   |



Data Path : Z:\HPCHEM1\BNA\_F\Data\BF071417\  
Data File : BF096785.D  
Acq On : 14 Jul 2017 21:35  
Operator : SJ/JU  
Sample : I4172-08  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
E2-CONCRETE-BATCH-15

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

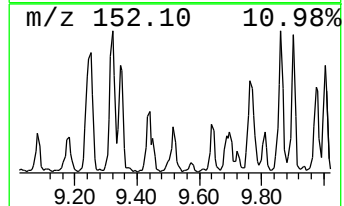
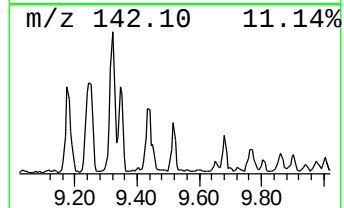
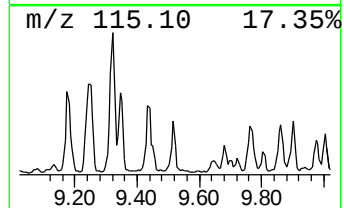
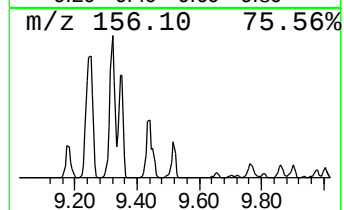
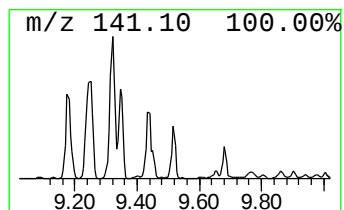
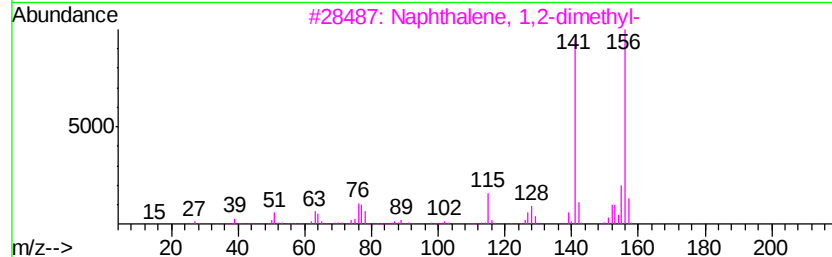
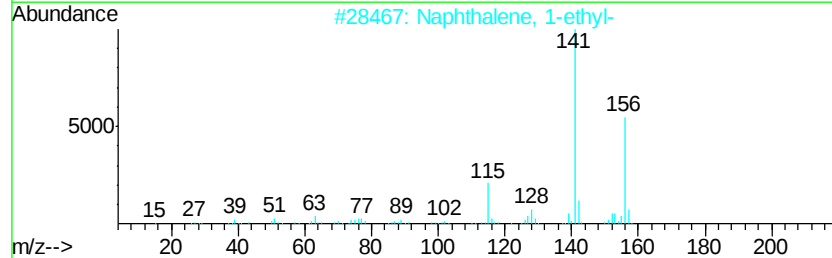
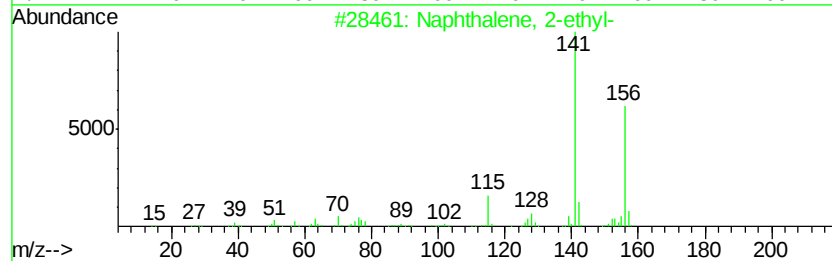
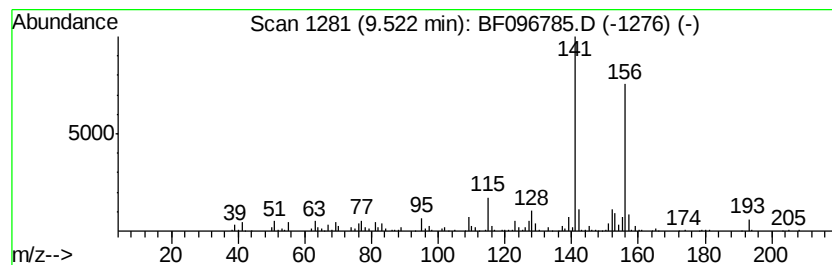
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Naphthalene, 1,6-dimethyl- Concentration Rank 20

| R.T. | EstConc  | Area   | Relative to ISTD | R.T. |
|------|----------|--------|------------------|------|
| 9.52 | 10.44 ng | 946032 | Acenaphthene-d10 | 9.66 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-ethyl-      | 156 | C12H12  | 000939-27-5 | 94   |
| 2    |    | Naphthalene, 1-ethyl-      | 156 | C12H12  | 001127-76-0 | 94   |
| 3    |    | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 93   |
| 4    |    | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 90   |
| 5    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 78   |



Data Path : Z:\HPCHEM1\BNA\_F\Data\BF071417\  
Data File : BF096785.D  
Acq On : 14 Jul 2017 21:35  
Operator : SJ/JU  
Sample : I4172-08  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
E2-CONCRETE-BATCH-15

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

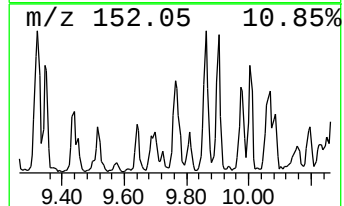
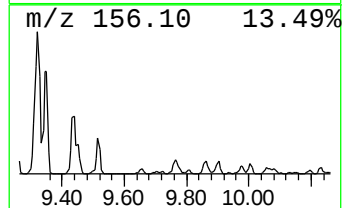
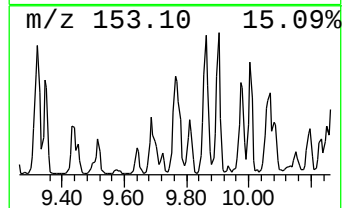
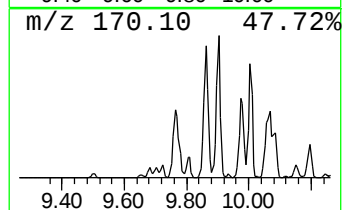
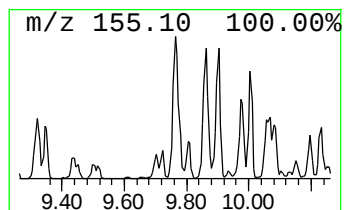
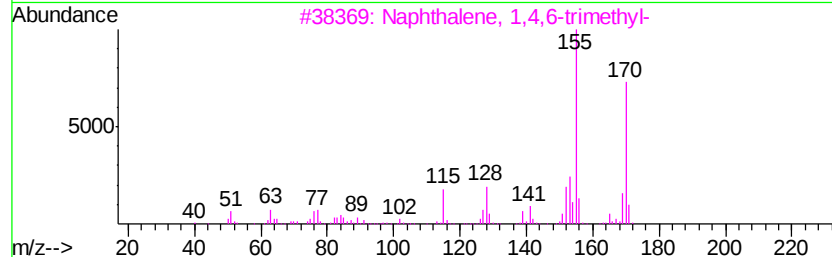
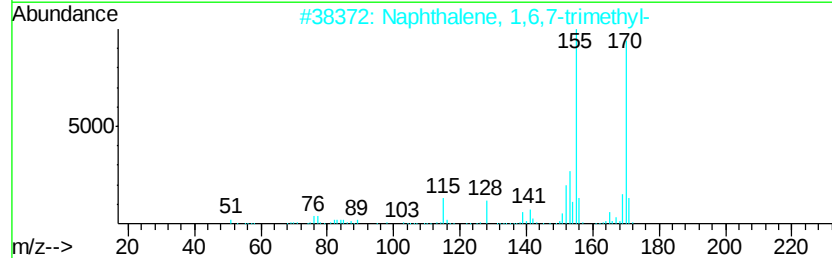
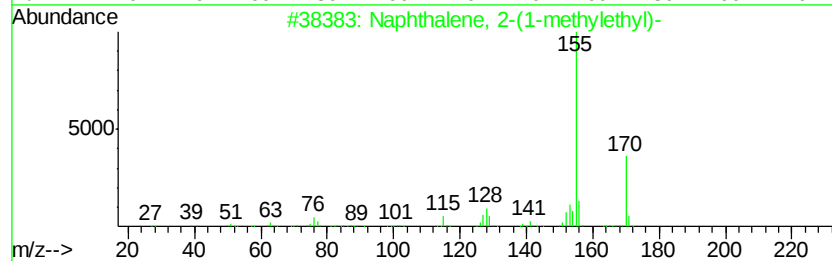
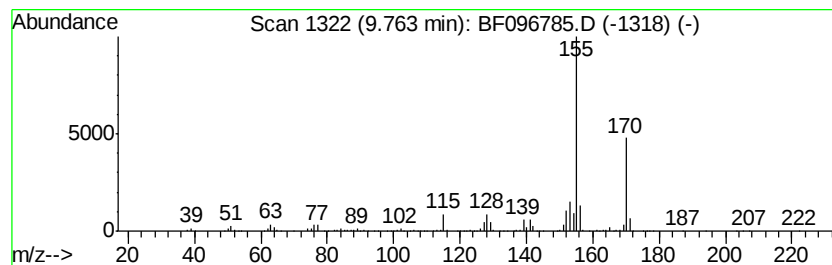
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Naphthalene, 2-(1-methyleth... Concentration Rank 10

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.76 | 15.82 ng | 1433690 | Acenaphthene-d10 | 9.66 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Naphthalene, 2-(1-methylethyl)-     | 170 | C13H14   | 002027-17-0 | 91   |
| 2    |    | Naphthalene, 1,6,7-trimethyl-       | 170 | C13H14   | 002245-38-7 | 76   |
| 3    |    | Naphthalene, 1,4,6-trimethyl-       | 170 | C13H14   | 002131-42-2 | 76   |
| 4    |    | Ethanone, 1-(5-chloro-2-hydroxyp... | 170 | C8H7ClO2 | 001450-74-4 | 72   |
| 5    |    | Ethanone, 1-(1-Naphthalenyl)-       | 170 | C12H10O  | 000941-98-0 | 59   |



Data Path : Z:\HPCHEM1\BNA\_F\Data\BF071417\  
Data File : BF096785.D  
Acq On : 14 Jul 2017 21:35  
Operator : SJ/JU  
Sample : I4172-08  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
E2-CONCRETE-BATCH-15

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

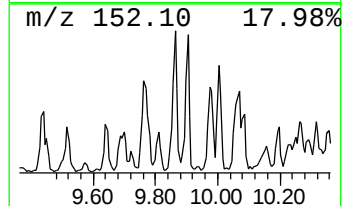
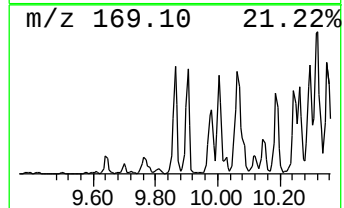
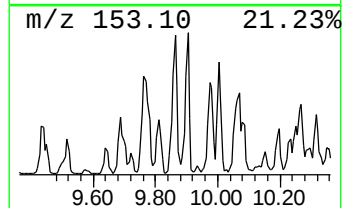
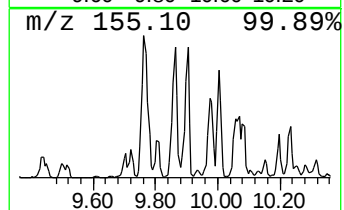
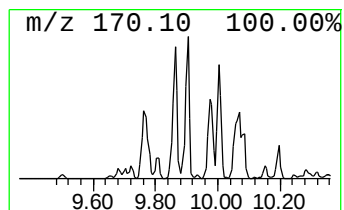
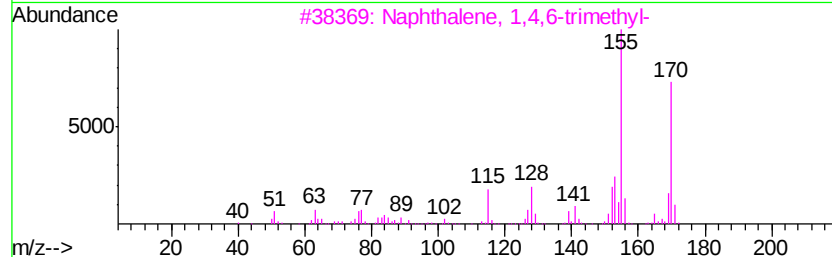
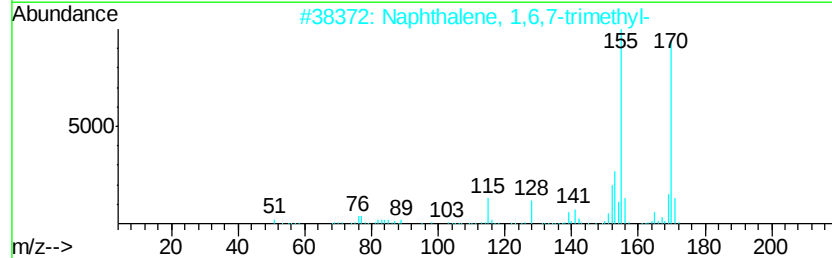
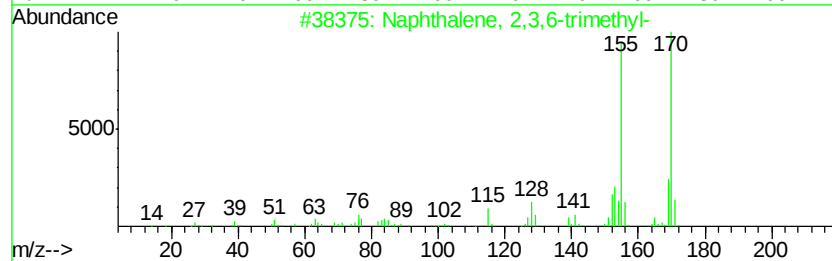
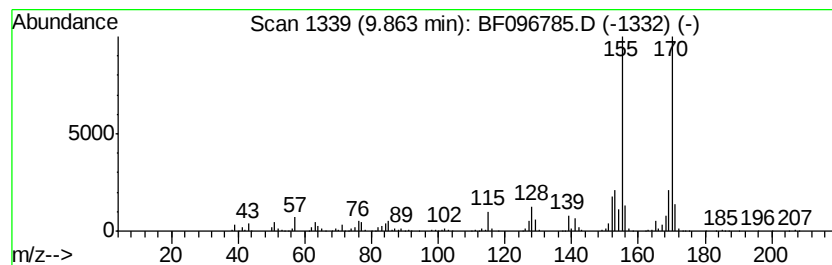
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 8

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.86 | 18.01 ng | 1631950 | Acenaphthene-d10 | 9.66 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|---------|--------------|------|
| 1    |    |   | Naphthalene, 2,3,6-trimethyl-       | 170 | C13H14  | 000829-26-5  | 98   |
| 2    |    |   | Naphthalene, 1,6,7-trimethyl-       | 170 | C13H14  | 002245-38-7  | 97   |
| 3    |    |   | Naphthalene, 1,4,6-trimethyl-       | 170 | C13H14  | 002131-42-2  | 96   |
| 4    |    |   | 3-(2-Methyl-propenyl)-1H-indene     | 170 | C13H14  | 1000187-78-5 | 91   |
| 5    |    |   | 1-(2,2-Dimethylcyclopropyl)-2-ph... | 170 | C13H14  | 1000294-91-1 | 90   |



Data Path : Z:\HPCHEM1\BNA\_F\Data\BF071417\  
Data File : BF096785.D  
Acq On : 14 Jul 2017 21:35  
Operator : SJ/JU  
Sample : I4172-08  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
E2-CONCRETE-BATCH-15

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

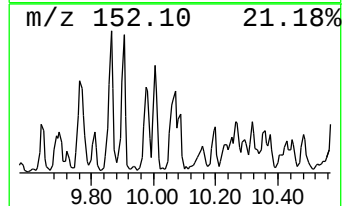
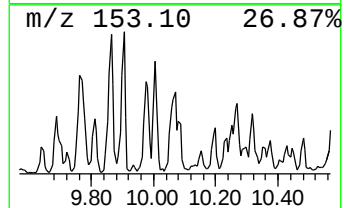
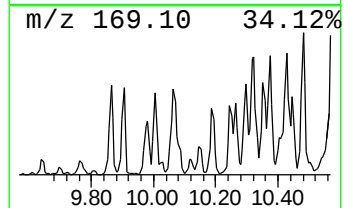
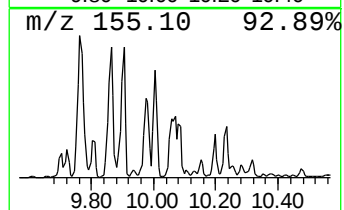
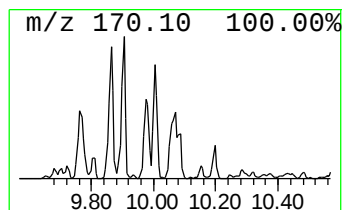
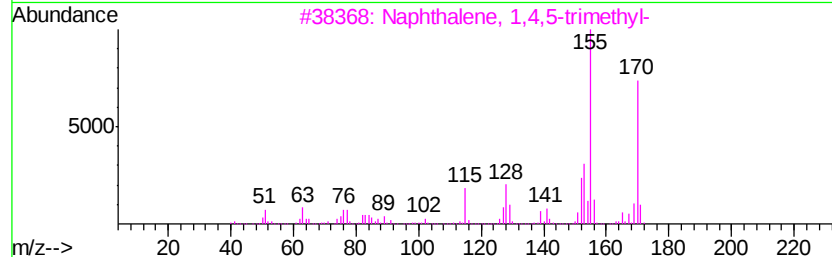
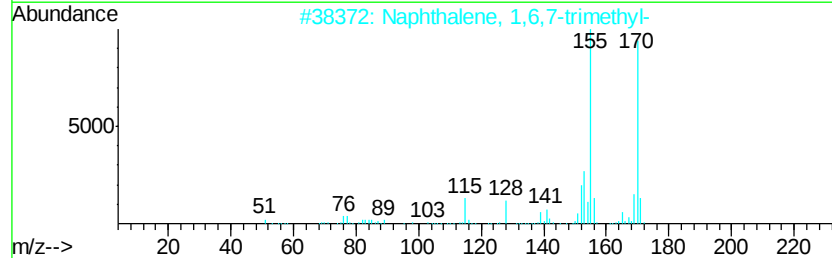
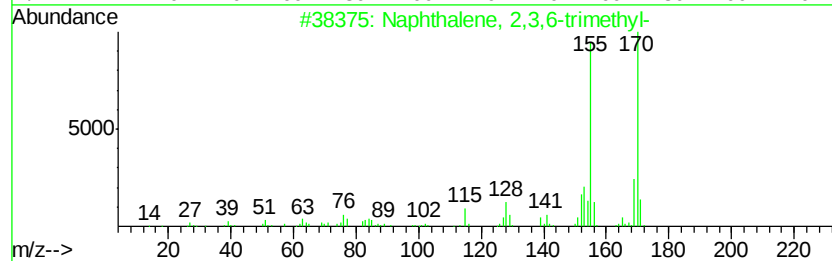
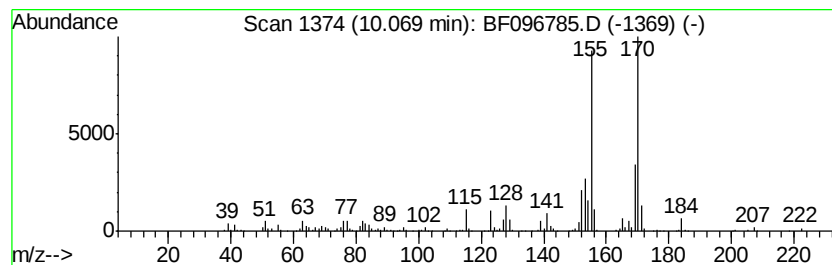
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 16 Naphthalene, 1,6,7-trimethyl- Concentration Rank 16

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T. |
|-------|----------|---------|------------------|------|
| 10.07 | 12.12 ng | 1098150 | Acenaphthene-d10 | 9.66 |

| Hit# | of | Tentative ID                  | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14  | 000829-26-5 | 97   |
| 2    |    | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14  | 002245-38-7 | 96   |
| 3    |    | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14  | 002131-41-1 | 96   |
| 4    |    | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14  | 002131-42-2 | 95   |
| 5    |    | 4,6,8-Trimethylazulene        | 170 | C13H14  | 000941-81-1 | 93   |



Data Path : Z:\HPCHEM1\BNA\_F\Data\BF071417\  
Data File : BF096785.D  
Acq On : 14 Jul 2017 21:35  
Operator : SJ/JU  
Sample : I4172-08  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

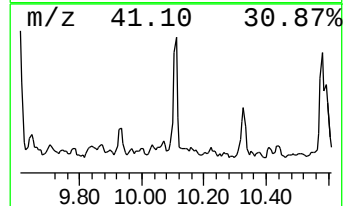
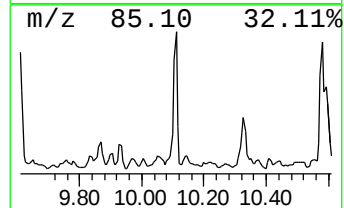
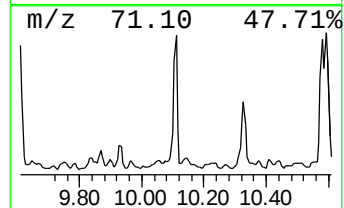
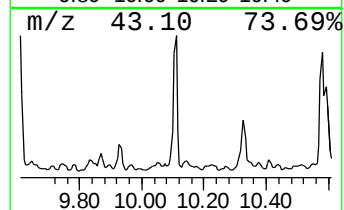
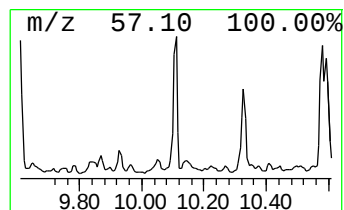
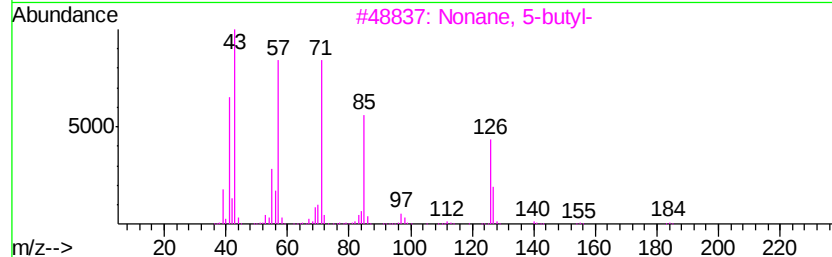
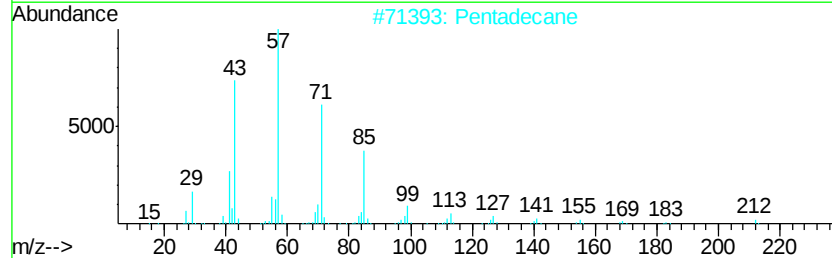
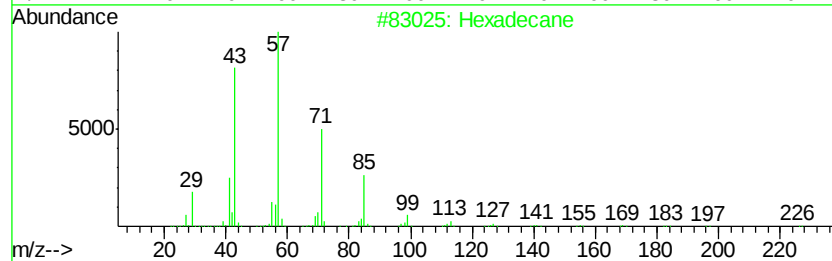
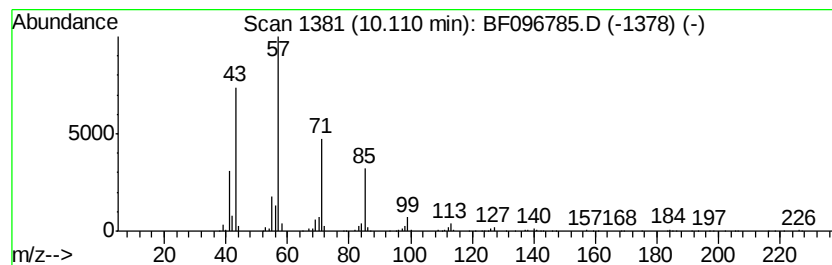
Instrument :  
BNA\_F  
ClientSampleId :  
E2-CONCRETE-BATCH-15

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 17 Pentadecane Concentration Rank 15

| R.T.    | EstConc               | Area         | Relative to ISTD | R.T.      |
|---------|-----------------------|--------------|------------------|-----------|
| 10.11   | 12.22 ng              | 1107180      | Acenaphthene-d10 | 9.66      |
| Hit# of | 5                     | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Hexadecane            | 226 C16H34   | 000544-76-3      | 97        |
| 2       | Pentadecane           | 212 C15H32   | 000629-62-9      | 90        |
| 3       | Nonane, 5-butyl-      | 184 C13H28   | 017312-63-9      | 87        |
| 4       | Tetradecane           | 198 C14H30   | 000629-59-4      | 81        |
| 5       | 1-Undecene, 4-methyl- | 168 C12H24   | 074630-39-0      | 64        |



Data Path : Z:\HPCHEM1\BNA\_F\Data\BF071417\  
Data File : BF096785.D  
Acq On : 14 Jul 2017 21:35  
Operator : SJ/JU  
Sample : I4172-08  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

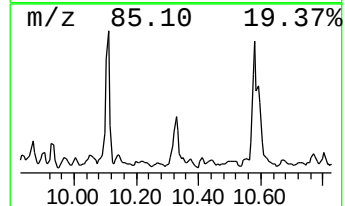
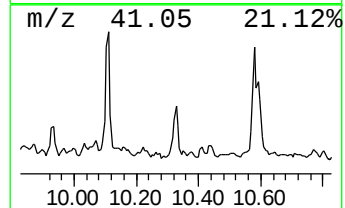
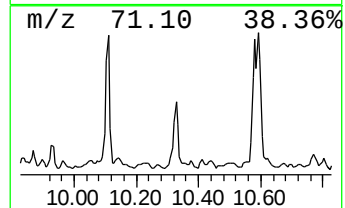
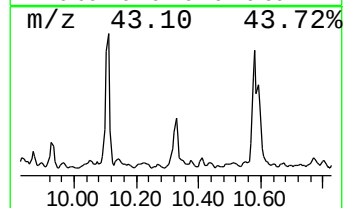
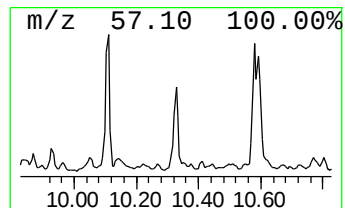
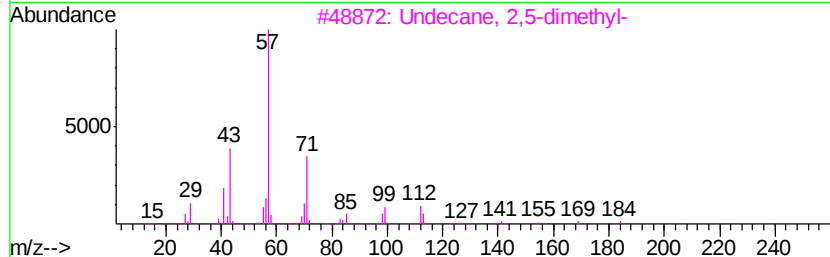
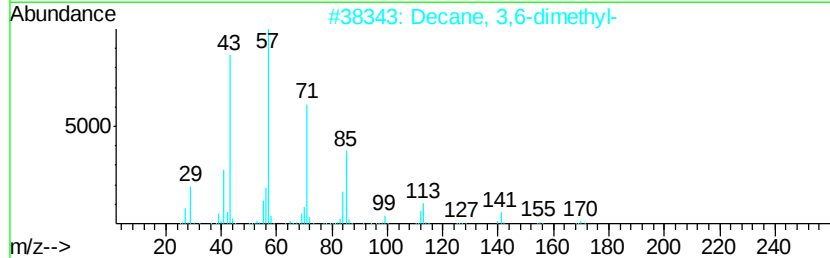
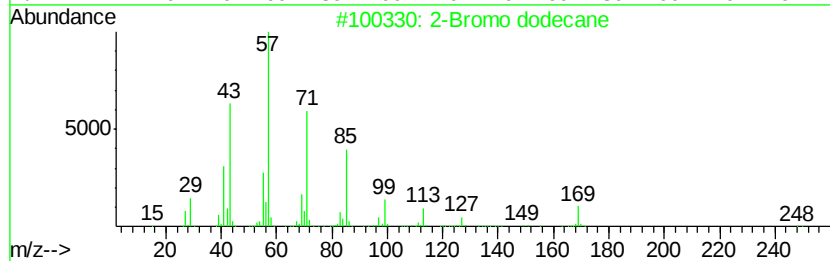
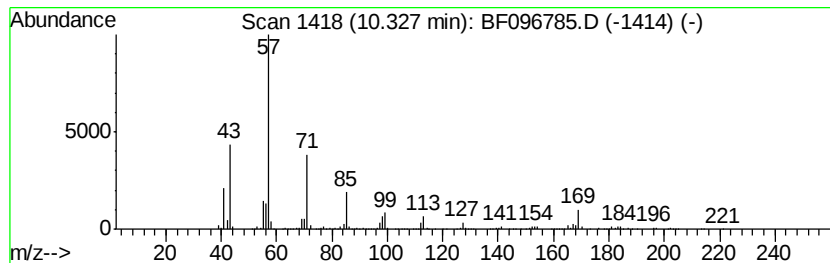
Instrument :  
BNA\_F  
ClientSampleId :  
E2-CONCRETE-BATCH-15

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 18 2-Bromo dodecane Concentration Rank 19

| R.T.    | EstConc                  | Area         | Relative to ISTD | R.T.      |
|---------|--------------------------|--------------|------------------|-----------|
| 10.33   | 10.46 ng                 | 947573       | Acenaphthene-d10 | 9.66      |
| Hit# of | 5                        | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 2-Bromo dodecane         | 248 C12H25Br | 013187-99-0      | 72        |
| 2       | Decane, 3,6-dimethyl-    | 170 C12H26   | 017312-53-7      | 70        |
| 3       | Undecane, 2,5-dimethyl-  | 184 C13H28   | 017301-22-3      | 70        |
| 4       | Heptacosane              | 380 C27H56   | 000593-49-7      | 64        |
| 5       | Decane, 2,6,8-trimethyl- | 184 C13H28   | 062108-26-3      | 62        |



Data Path : Z:\HPCHEM1\BNA\_F\Data\BF071417\  
Data File : BF096785.D  
Acq On : 14 Jul 2017 21:35  
Operator : SJ/JU  
Sample : I4172-08  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
E2-CONCRETE-BATCH-15

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

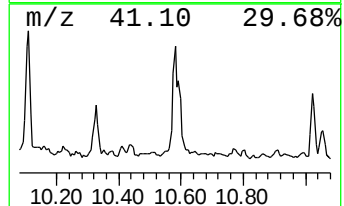
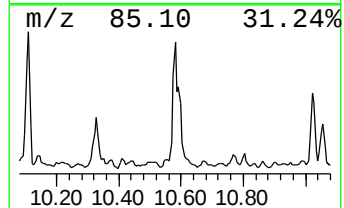
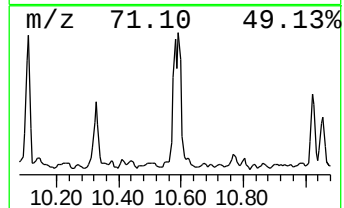
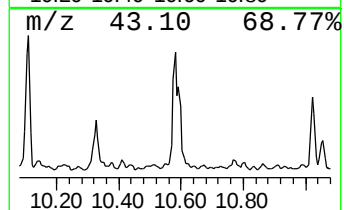
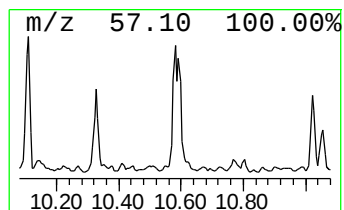
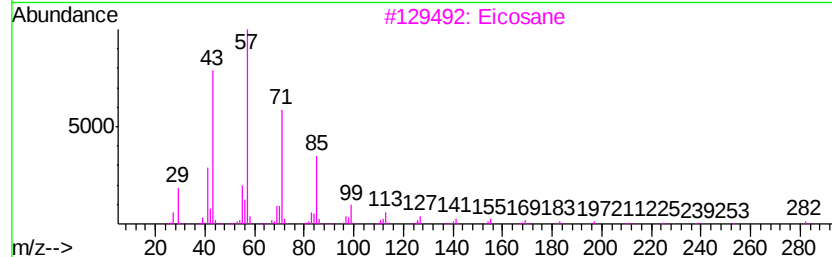
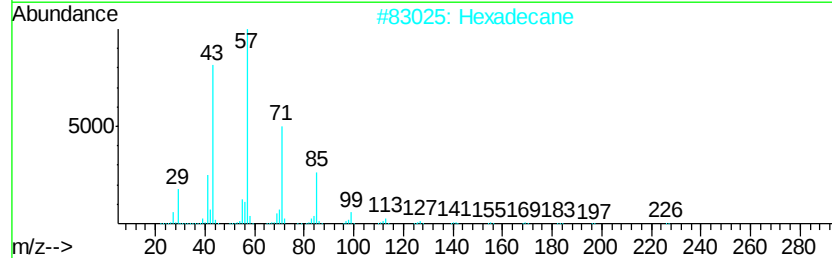
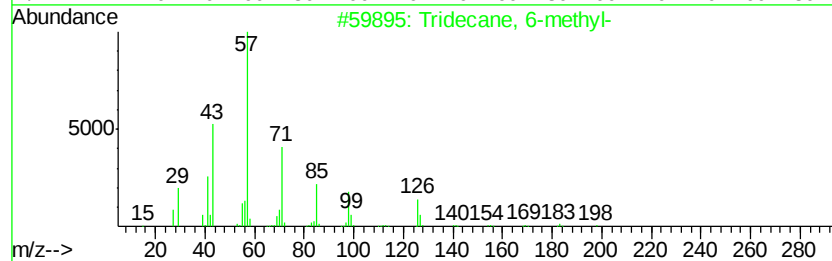
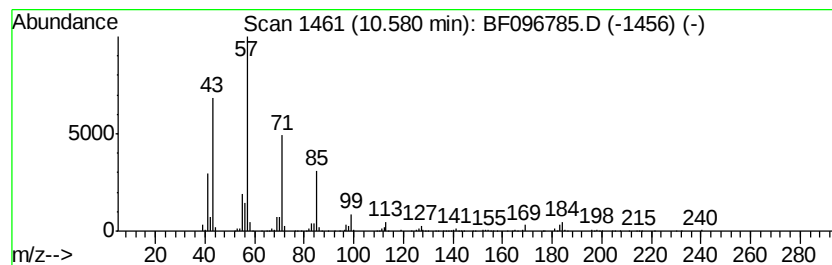
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Tridecane, 6-methyl- Concentration Rank 5

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 10.58 | 25.60 ng | 1186750 | Phenanthrene-d10 | 11.13 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-----------|--------------|------|
| 1    |    |   | Tridecane, 6-methyl-                | 198 | C14H30    | 013287-21-3  | 90   |
| 2    |    |   | Hexadecane                          | 226 | C16H34    | 000544-76-3  | 87   |
| 3    |    |   | Eicosane                            | 282 | C20H42    | 000112-95-8  | 86   |
| 4    |    |   | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 80   |
| 5    |    |   | Tetradecane                         | 198 | C14H30    | 000629-59-4  | 72   |



Data Path : Z:\HPCHEM1\BNA\_F\Data\BF071417\  
Data File : BF096785.D  
Acq On : 14 Jul 2017 21:35  
Operator : SJ/JU  
Sample : I4172-08  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
E2-CONCRETE-BATCH-15

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

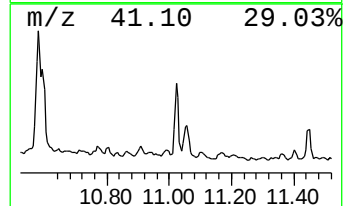
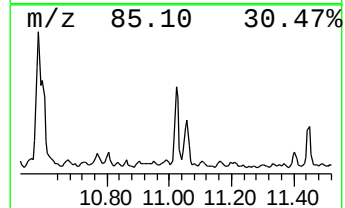
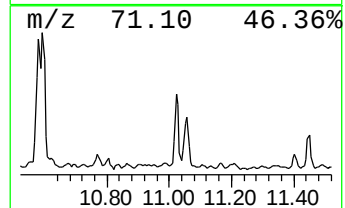
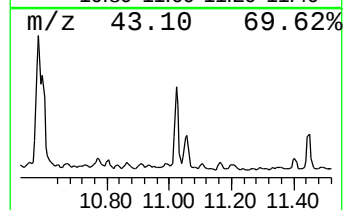
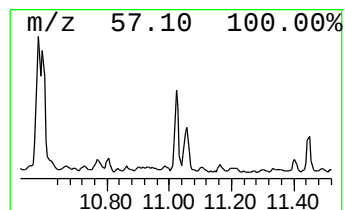
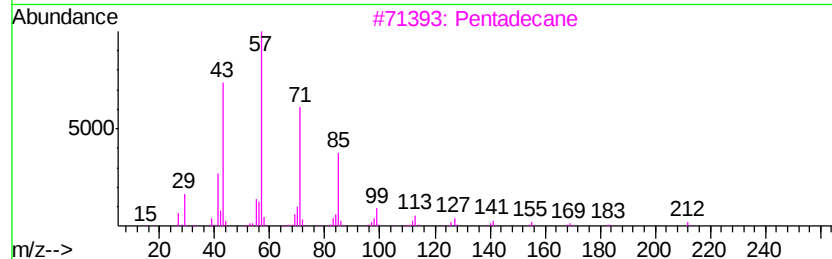
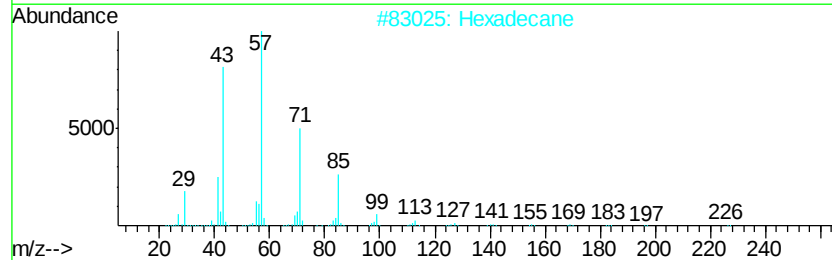
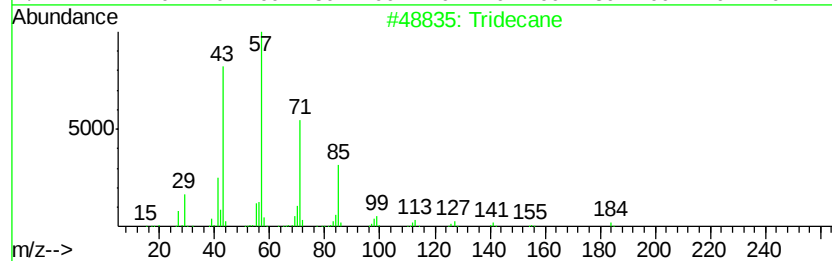
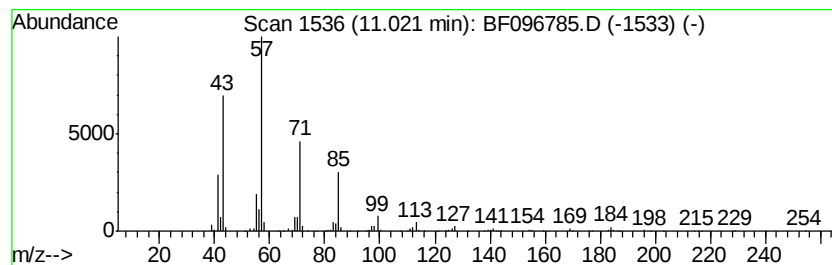
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Tridecane Concentration Rank 17

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 11.02 | 11.90 ng | 551436 | Phenanthrene-d10 | 11.13 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Tridecane             | 184 | C13H28  | 000629-50-5 | 94   |
| 2    |    | Hexadecane            | 226 | C16H34  | 000544-76-3 | 87   |
| 3    |    | Pentadecane           | 212 | C15H32  | 000629-62-9 | 86   |
| 4    |    | Eicosane              | 282 | C20H42  | 000112-95-8 | 86   |
| 5    |    | Octane, 3,5-dimethyl- | 142 | C10H22  | 015869-93-9 | 81   |



Data Path : Z:\HPCHEM1\BNA\_F\Data\BF071417\  
 Data File : BF096785.D  
 Acq On : 14 Jul 2017 21:35  
 Operator : SJ/JU  
 Sample : I4172-08  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-CONCRETE-BATCH-15

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF071317.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 |
| 3-Penten-2-one, 4... | 4.13  | 35.4    | ng    | 1351580  | 1                     | 6.62  | 764759  | 20.0 |
| 2-Pentanone, 4-hy... | 4.80  | 55.0    | ng    | 2101780  | 1                     | 6.62  | 764759  | 20.0 |
| unknown6.39          | 6.39  | 46.3    | ng    | 1771400  | 1                     | 6.62  | 764759  | 20.0 |
| Naphthalene, 2-me... | 8.72  | 17.2    | ng    | 1029480  | 2                     | 7.90  | 1198680 | 20.0 |
| Hexadecane           | 9.08  | 14.1    | ng    | 1274750  | 3                     | 9.66  | 1812250 | 20.0 |
| Naphthalene, 2-et... | 9.17  | 12.8    | ng    | 1155310  | 3                     | 9.66  | 1812250 | 20.0 |
| Naphthalene, 2,6-... | 9.25  | 24.1    | ng    | 2188540  | 3                     | 9.66  | 1812250 | 20.0 |
| Naphthalene, 2,7-... | 9.32  | 24.8    | ng    | 2249920  | 3                     | 9.66  | 1812250 | 20.0 |
| Naphthalene, 1,4-... | 9.43  | 15.7    | ng    | 1418050  | 3                     | 9.66  | 1812250 | 20.0 |
| Naphthalene, 1,6-... | 9.52  | 10.4    | ng    | 946032   | 3                     | 9.66  | 1812250 | 20.0 |
| Naphthalene, 2-(1... | 9.76  | 15.8    | ng    | 1433690  | 3                     | 9.66  | 1812250 | 20.0 |
| Naphthalene, 2,3,... | 9.86  | 18.0    | ng    | 1631950  | 3                     | 9.66  | 1812250 | 20.0 |
| Naphthalene, 1,6,... | 10.07 | 12.1    | ng    | 1098150  | 3                     | 9.66  | 1812250 | 20.0 |
| Pentadecane          | 10.11 | 12.2    | ng    | 1107180  | 3                     | 9.66  | 1812250 | 20.0 |
| 2-Bromo dodecane     | 10.33 | 10.5    | ng    | 947573   | 3                     | 9.66  | 1812250 | 20.0 |
| Tridecane, 6-methyl- | 10.58 | 25.6    | ng    | 1186750  | 4                     | 11.13 | 927082  | 20.0 |
| Tridecane            | 11.02 | 11.9    | ng    | 551436   | 4                     | 11.13 | 927082  | 20.0 |