

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF121318\  
 Data File : BF111363.D  
 Acq On : 13 Dec 2018 11:45  
 Operator : JU/SJ  
 Sample : J6334-04  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B2-121018

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-BF121218.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         | 2.857       | 113           | 131         | 140          | rVB      | 639272         | 1716586       | 5.16%           | 0.358%        |
| 2         | 3.487       | 232           | 238         | 245          | rVB3     | 502211         | 1000719       | 3.01%           | 0.209%        |
| 3         | 4.057       | 330           | 335         | 344          | rBV4     | 597077         | 1420055       | 4.26%           | 0.296%        |
| 4         | 4.534       | 412           | 416         | 425          | rVB2     | 523064         | 732665        | 2.20%           | 0.153%        |
| 5         | 4.946       | 480           | 486         | 489          | rVB3     | 452902         | 695643        | 2.09%           | 0.145%        |
| 6         | 5.110       | 510           | 514         | 526          | rVB2     | 1523795        | 1829249       | 5.49%           | 0.382%        |
| 7         | 5.387       | 555           | 561         | 571          | rVB2     | 9292316        | 19268686      | 57.87%          | 4.019%        |
| 8         | 5.604       | 594           | 598         | 600          | rVV2     | 516627         | 757682        | 2.28%           | 0.158%        |
| 9         | 5.646       | 600           | 605         | 608          | rVV      | 8103270        | 8687329       | 26.09%          | 1.812%        |
| 10        | 5.704       | 612           | 615         | 620          | rVB3     | 540090         | 634820        | 1.91%           | 0.132%        |
| 11        | 5.840       | 630           | 638         | 642          | rBV      | 1598697        | 1938157       | 5.82%           | 0.404%        |
| 12        | 5.957       | 653           | 658         | 662          | rBV2     | 610909         | 751448        | 2.26%           | 0.157%        |
| 13        | 6.122       | 681           | 686         | 689          | rBV2     | 1244640        | 1768125       | 5.31%           | 0.369%        |
| 14        | 6.175       | 692           | 695         | 700          | rVV      | 725239         | 1000956       | 3.01%           | 0.209%        |
| 15        | 6.240       | 700           | 706         | 712          | rVB4     | 456091         | 1009173       | 3.03%           | 0.211%        |
| 16        | 6.340       | 713           | 723         | 725          | rBV      | 12595963       | 18455504      | 55.42%          | 3.850%        |
| 17        | 6.369       | 725           | 728         | 730          | rVV      | 9296952        | 8358081       | 25.10%          | 1.743%        |
| 18        | 6.416       | 730           | 736         | 739          | rVV      | 12516932       | 14234636      | 42.75%          | 2.969%        |
| 19        | 6.457       | 739           | 743         | 746          | rVV2     | 2423676        | 3590960       | 10.78%          | 0.749%        |
| 20        | 6.493       | 746           | 749         | 752          | rVV      | 8987987        | 8994322       | 27.01%          | 1.876%        |
| 21        | 6.581       | 757           | 764         | 767          | rBV      | 4029105        | 5877046       | 17.65%          | 1.226%        |
| 22        | 6.651       | 767           | 776         | 779          | rVV      | 16394168       | 33298548      | 100.00%         | 6.946%        |
| 23        | 6.798       | 798           | 801         | 804          | rBV      | 1292977        | 1237989       | 3.72%           | 0.258%        |
| 24        | 6.845       | 804           | 809         | 810          | rBV      | 3932031        | 4086762       | 12.27%          | 0.852%        |
| 25        | 6.875       | 810           | 814         | 818          | rVB      | 12946329       | 15869251      | 47.66%          | 3.310%        |
| 26        | 6.957       | 823           | 828         | 830          | rBV2     | 5107543        | 6573696       | 19.74%          | 1.371%        |
| 27        | 6.987       | 830           | 833         | 838          | rVB      | 9503307        | 10150919      | 30.48%          | 2.117%        |
| 28        | 7.051       | 841           | 844         | 847          | rBV2     | 3587000        | 3768470       | 11.32%          | 0.786%        |
| 29        | 7.081       | 847           | 849         | 852          | rVB      | 5413329        | 4241044       | 12.74%          | 0.885%        |
| 30        | 7.128       | 852           | 857         | 860          | rBV2     | 10583257       | 11728773      | 35.22%          | 2.447%        |
| 31        | 7.198       | 866           | 869         | 872          | rBV      | 2984809        | 2384589       | 7.16%           | 0.497%        |
| 32        | 7.240       | 872           | 876         | 878          | rVV3     | 688422         | 950364        | 2.85%           | 0.198%        |
| 33        | 7.275       | 878           | 882         | 884          | rVV      | 5919030        | 7428835       | 22.31%          | 1.550%        |
| 34        | 7.298       | 884           | 886         | 889          | rVV      | 6380529        | 5233941       | 15.72%          | 1.092%        |

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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-BF121218.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |       |      |      |      |      |          |          |        |        |
|----|-------|------|------|------|------|----------|----------|--------|--------|
| 35 | 7.351 | 889  | 895  | 897  | rVV2 | 10953914 | 15679849 | 47.09% | 3.271% |
| 36 | 7.381 | 897  | 900  | 903  | rVV3 | 9764555  | 10419525 | 31.29% | 2.173% |
| 37 | 7.451 | 909  | 912  | 915  | rBV4 | 935799   | 1077273  | 3.24%  | 0.225% |
| 38 | 7.487 | 915  | 918  | 921  | rVV3 | 4375894  | 4062215  | 12.20% | 0.847% |
| 39 | 7.575 | 928  | 933  | 935  | rBV  | 6341838  | 7299046  | 21.92% | 1.523% |
| 40 | 7.604 | 935  | 938  | 941  | rVV  | 9517531  | 9814969  | 29.48% | 2.047% |
| 41 | 7.651 | 943  | 946  | 948  | rVV2 | 738845   | 630248   | 1.89%  | 0.131% |
| 42 | 7.692 | 951  | 953  | 955  | rVV  | 1092516  | 954563   | 2.87%  | 0.199% |
| 43 | 7.716 | 955  | 957  | 959  | rVV  | 1290093  | 1189589  | 3.57%  | 0.248% |
| 44 | 7.763 | 959  | 965  | 968  | rVV  | 9889813  | 12020257 | 36.10% | 2.507% |
| 45 | 7.834 | 971  | 977  | 980  | rBV3 | 14763631 | 20716304 | 62.21% | 4.321% |
| 46 | 7.875 | 980  | 984  | 990  | rVV4 | 3439261  | 7066034  | 21.22% | 1.474% |
| 47 | 7.928 | 990  | 993  | 995  | rVV  | 4211021  | 3613966  | 10.85% | 0.754% |
| 48 | 7.957 | 995  | 998  | 1003 | rVV  | 2050766  | 2508923  | 7.53%  | 0.523% |
| 49 | 8.057 | 1010 | 1015 | 1016 | rVV2 | 1990469  | 2574924  | 7.73%  | 0.537% |
| 50 | 8.087 | 1016 | 1020 | 1021 | rVV  | 6014617  | 7465124  | 22.42% | 1.557% |
| 51 | 8.116 | 1021 | 1025 | 1027 | rVV2 | 13182935 | 19200441 | 57.66% | 4.005% |
| 52 | 8.134 | 1027 | 1028 | 1030 | rVV  | 4808215  | 3635797  | 10.92% | 0.758% |
| 53 | 8.163 | 1030 | 1033 | 1038 | rVB2 | 5928466  | 7284944  | 21.88% | 1.520% |
| 54 | 8.304 | 1055 | 1057 | 1059 | rVV  | 978830   | 964039   | 2.90%  | 0.201% |
| 55 | 8.363 | 1062 | 1067 | 1069 | rVV3 | 3769635  | 4627518  | 13.90% | 0.965% |
| 56 | 8.387 | 1069 | 1071 | 1073 | rVV2 | 886673   | 804013   | 2.41%  | 0.168% |
| 57 | 8.469 | 1077 | 1085 | 1088 | rBV2 | 4145688  | 4948501  | 14.86% | 1.032% |
| 58 | 8.510 | 1088 | 1092 | 1094 | rVV2 | 1552013  | 2197116  | 6.60%  | 0.458% |
| 59 | 8.551 | 1097 | 1099 | 1101 | rVV  | 4567824  | 4069986  | 12.22% | 0.849% |
| 60 | 8.587 | 1103 | 1105 | 1111 | rVV4 | 2291398  | 3539691  | 10.63% | 0.738% |
| 61 | 8.645 | 1111 | 1115 | 1117 | rVV2 | 584042   | 883695   | 2.65%  | 0.184% |
| 62 | 8.675 | 1117 | 1120 | 1124 | rVB3 | 4503678  | 5068298  | 15.22% | 1.057% |
| 63 | 8.751 | 1124 | 1133 | 1136 | rBV2 | 2898858  | 3823945  | 11.48% | 0.798% |
| 64 | 8.804 | 1136 | 1142 | 1144 | rBV  | 11007196 | 13249223 | 39.79% | 2.764% |
| 65 | 8.822 | 1144 | 1145 | 1148 | rVV  | 1940599  | 1476712  | 4.43%  | 0.308% |
| 66 | 8.898 | 1152 | 1158 | 1161 | rBV3 | 8433205  | 10670525 | 32.05% | 2.226% |
| 67 | 8.945 | 1161 | 1166 | 1168 | rBV3 | 1279983  | 1809275  | 5.43%  | 0.377% |
| 68 | 8.981 | 1168 | 1172 | 1174 | rVV  | 2173622  | 3170031  | 9.52%  | 0.661% |
| 69 | 9.016 | 1174 | 1178 | 1182 | rVV2 | 1665523  | 3668939  | 11.02% | 0.765% |
| 70 | 9.063 | 1182 | 1186 | 1188 | rVV4 | 1909235  | 3263143  | 9.80%  | 0.681% |
| 71 | 9.081 | 1188 | 1189 | 1192 | rVV3 | 1888404  | 1551331  | 4.66%  | 0.324% |

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Integration Parameters: rteint.p  
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 Start Thrs: 0.2  
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 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-BF121218.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|     |        |      |      |      |      |         |         |        |        |
|-----|--------|------|------|------|------|---------|---------|--------|--------|
| 72  | 9.110  | 1192 | 1194 | 1196 | rVV2 | 670524  | 759137  | 2.28%  | 0.158% |
| 73  | 9.157  | 1198 | 1202 | 1205 | rVB  | 7719780 | 8791286 | 26.40% | 1.834% |
| 74  | 9.198  | 1205 | 1209 | 1214 | rVB5 | 1042104 | 1478406 | 4.44%  | 0.308% |
| 75  | 9.245  | 1214 | 1217 | 1219 | rBV  | 897783  | 838398  | 2.52%  | 0.175% |
| 76  | 9.275  | 1219 | 1222 | 1224 | rBV2 | 1690107 | 1451047 | 4.36%  | 0.303% |
| 77  | 9.322  | 1224 | 1230 | 1232 | rBV  | 2956130 | 3461737 | 10.40% | 0.722% |
| 78  | 9.351  | 1232 | 1235 | 1237 | rVB2 | 2048190 | 2432479 | 7.31%  | 0.507% |
| 79  | 9.404  | 1241 | 1244 | 1246 | rBV2 | 2223582 | 2283868 | 6.86%  | 0.476% |
| 80  | 9.422  | 1246 | 1247 | 1250 | rVB  | 1810506 | 1034012 | 3.11%  | 0.216% |
| 81  | 9.522  | 1261 | 1264 | 1266 | rVV2 | 1800117 | 1967967 | 5.91%  | 0.411% |
| 82  | 9.575  | 1271 | 1273 | 1277 | rVB  | 995399  | 861554  | 2.59%  | 0.180% |
| 83  | 9.616  | 1277 | 1280 | 1284 | rVB3 | 762206  | 1187095 | 3.57%  | 0.248% |
| 84  | 9.716  | 1291 | 1297 | 1299 | rBV2 | 1902980 | 2607436 | 7.83%  | 0.544% |
| 85  | 9.745  | 1299 | 1302 | 1305 | rVB2 | 1852485 | 1912797 | 5.74%  | 0.399% |
| 86  | 9.792  | 1305 | 1310 | 1314 | rVB4 | 1409599 | 1747005 | 5.25%  | 0.364% |
| 87  | 9.834  | 1314 | 1317 | 1321 | rBV2 | 2770280 | 3194697 | 9.59%  | 0.666% |
| 88  | 9.922  | 1329 | 1332 | 1336 | rVB4 | 626110  | 756228  | 2.27%  | 0.158% |
| 89  | 9.986  | 1336 | 1343 | 1344 | rBV3 | 692755  | 1297799 | 3.90%  | 0.271% |
| 90  | 10.145 | 1365 | 1370 | 1377 | rVB2 | 1009898 | 1818970 | 5.46%  | 0.379% |
| 91  | 10.216 | 1377 | 1382 | 1383 | rBV5 | 534453  | 691828  | 2.08%  | 0.144% |
| 92  | 10.628 | 1447 | 1452 | 1455 | rVB  | 4449921 | 4570155 | 13.72% | 0.953% |
| 93  | 10.769 | 1470 | 1476 | 1479 | rBV5 | 673073  | 1286528 | 3.86%  | 0.268% |
| 94  | 10.851 | 1485 | 1490 | 1498 | rVB3 | 1210154 | 1791306 | 5.38%  | 0.374% |
| 95  | 11.316 | 1566 | 1569 | 1572 | rBV  | 2224272 | 1814017 | 5.45%  | 0.378% |
| 96  | 11.857 | 1657 | 1661 | 1665 | rBV  | 1665528 | 1608629 | 4.83%  | 0.336% |
| 97  | 12.639 | 1790 | 1794 | 1798 | rBV  | 1351293 | 1345230 | 4.04%  | 0.281% |
| 98  | 12.904 | 1834 | 1839 | 1843 | rBV  | 6396937 | 7032030 | 21.12% | 1.467% |
| 99  | 13.951 | 2013 | 2017 | 2020 | rBV  | 1716250 | 1492384 | 4.48%  | 0.311% |
| 100 | 15.386 | 2257 | 2261 | 2265 | rBV  | 981525  | 1212939 | 3.64%  | 0.253% |

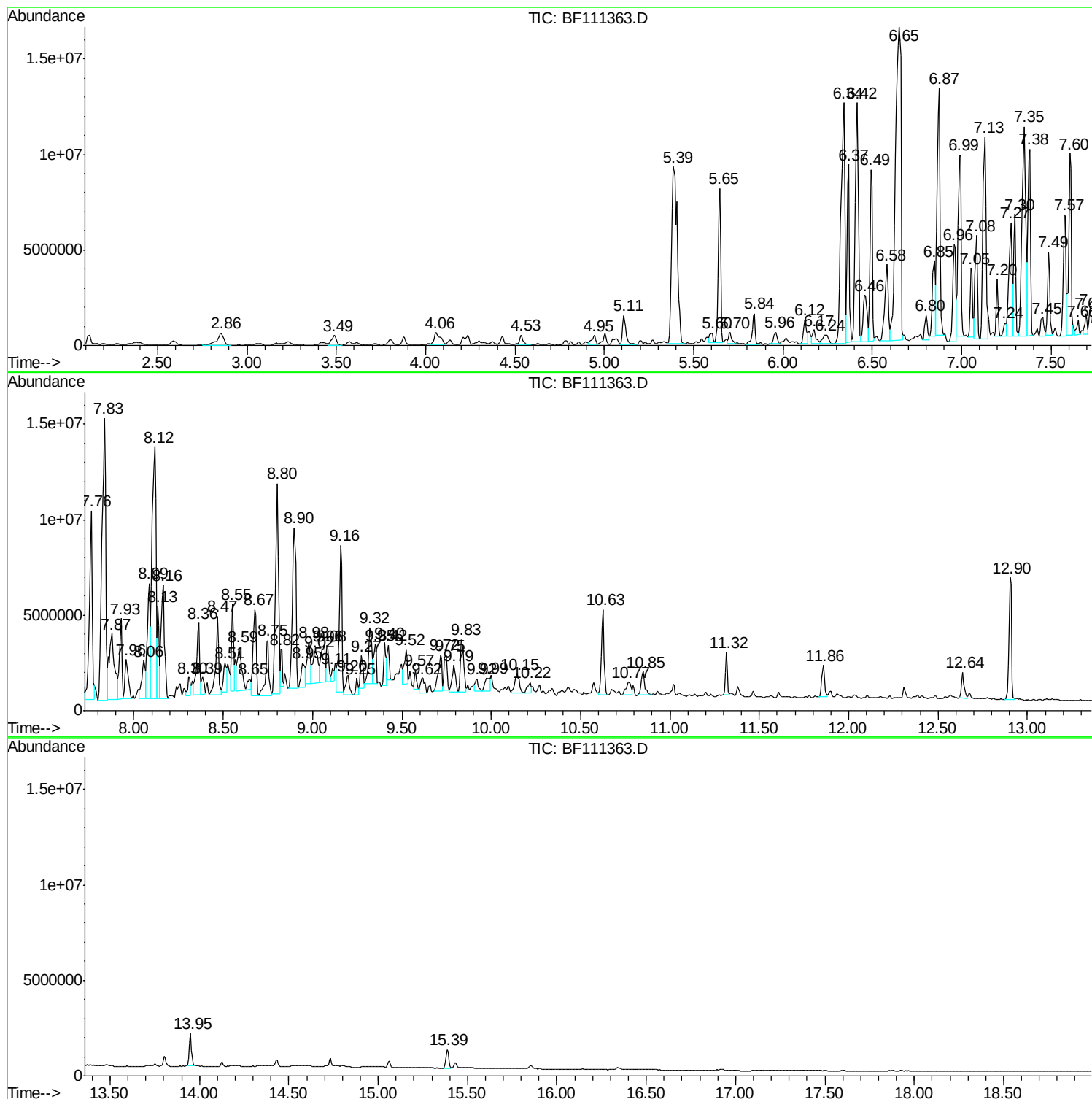
Sum of corrected areas: 479401959

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.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\BF121318\  
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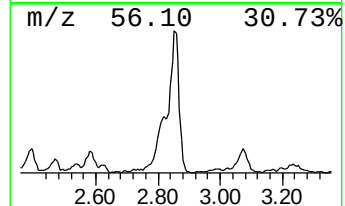
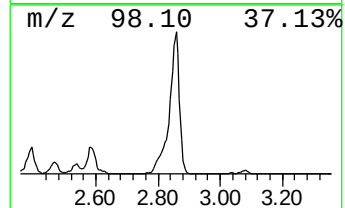
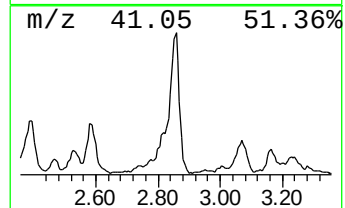
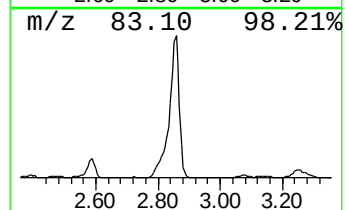
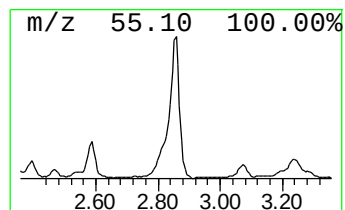
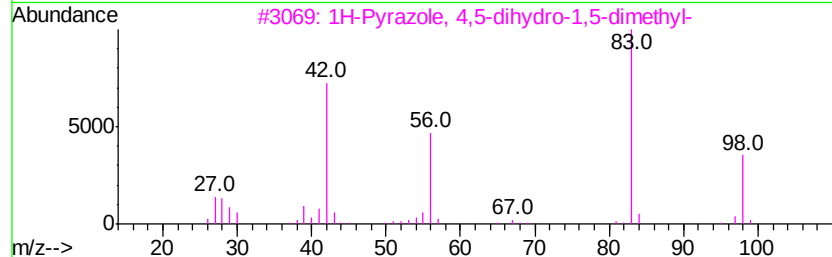
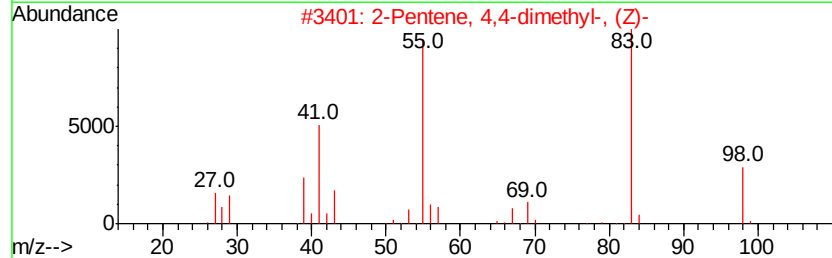
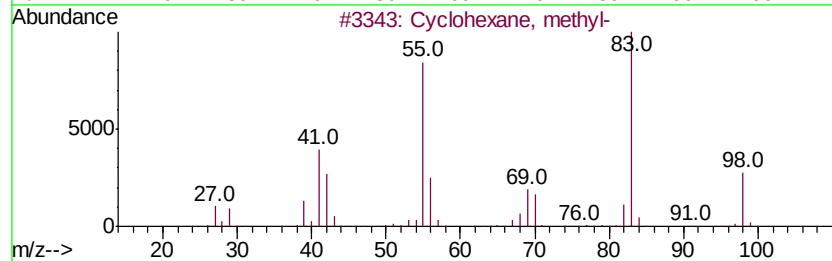
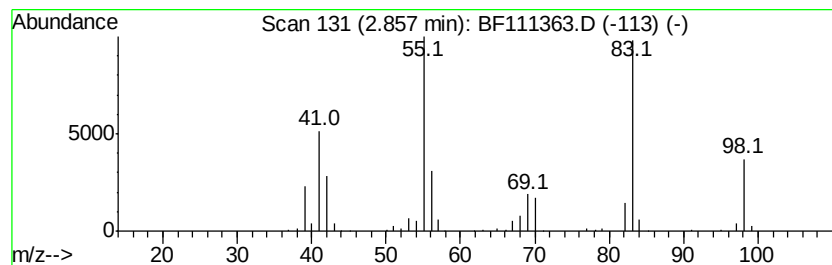
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Cyclohexane, methyl- Concentration Rank 17

| R.T.      | EstConc                             | Area    | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|---------|------------------------|-------------|------|
| 2.86      | 27.73 ng                            | 1716590 | 1,4-Dichlorobenzene-d4 | 6.80        |      |
| Hit# of 5 | Tentative ID                        | MW      | MolForm                | CAS#        | Qual |
| 1         | Cyclohexane, methyl-                | 98      | C7H14                  | 000108-87-2 | 95   |
| 2         | 2-Pentene, 4,4-dimethyl-, (Z)-      | 98      | C7H14                  | 000762-63-0 | 64   |
| 3         | 1H-Pyrazole, 4,5-dihydro-1,5-dim... | 98      | C5H10N2                | 005775-96-2 | 64   |
| 4         | 2-Pentene, 3,4-dimethyl-, (Z)-      | 98      | C7H14                  | 004914-91-4 | 59   |
| 5         | 2-Pentene, 2,4-dimethyl-            | 98      | C7H14                  | 000625-65-0 | 58   |



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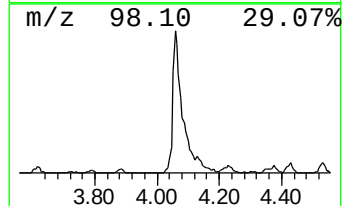
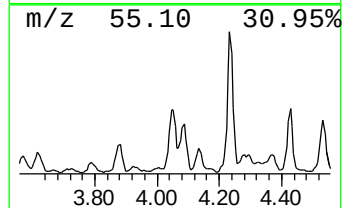
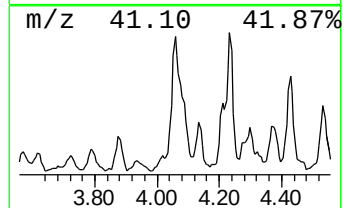
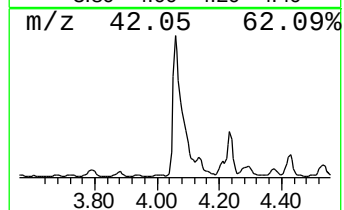
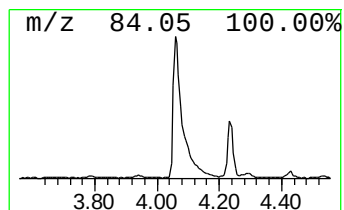
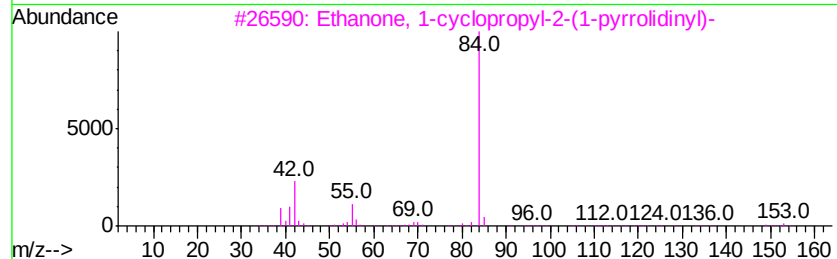
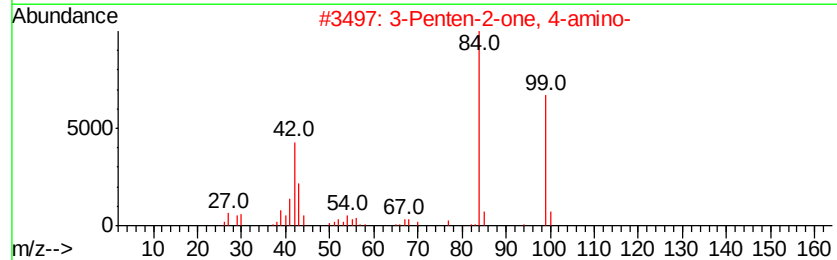
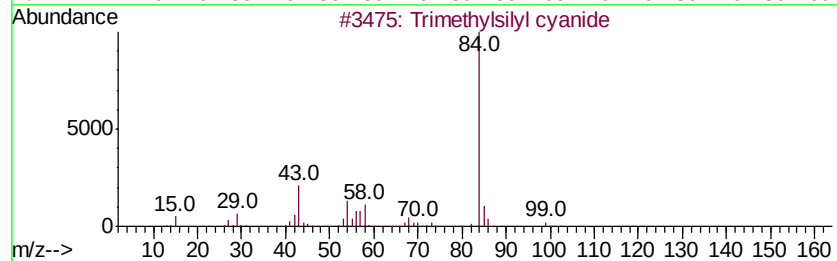
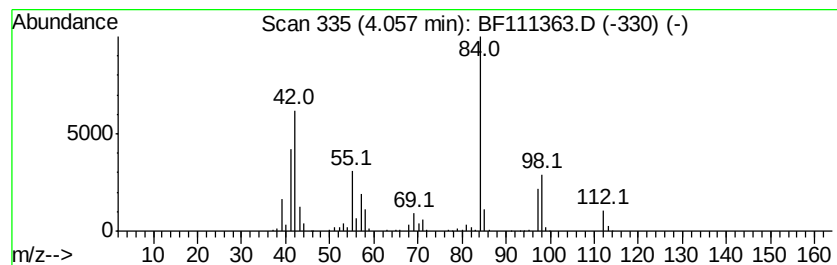
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown4.06 Concentration Rank 20

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 4.06 | 22.94 ng | 1420060 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Trimethylsilyl cyanide              | 99  | C4H9NSi | 007677-24-9  | 38   |
| 2    |    | 3-Penten-2-one, 4-amino-            | 99  | C5H9NO  | 001118-66-7  | 38   |
| 3    |    | Ethanone, 1-cyclopropyl-2-(1-pyr... | 153 | C9H15NO | 1000277-58-9 | 38   |
| 4    |    | 1H-Pyrrole-1-ethanamine, tetrahy... | 128 | C7H16N2 | 1000351-26-6 | 33   |
| 5    |    | Cyclopentanone, 2-(1-methylheptyl)- | 196 | C13H24O | 054549-91-6  | 32   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\  
Data File : BF111363.D  
Acq On : 13 Dec 2018 11:45  
Operator : JU/SJ  
Sample : J6334-04  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B2-121018

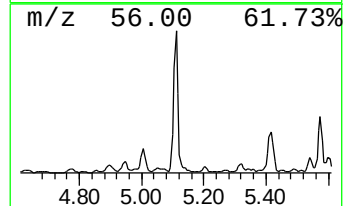
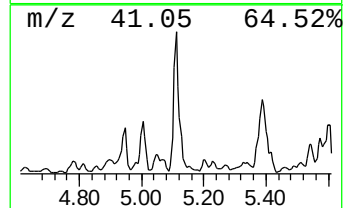
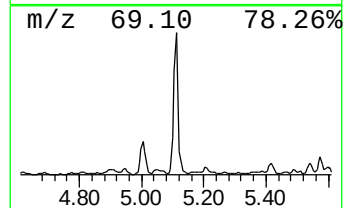
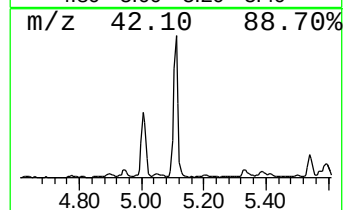
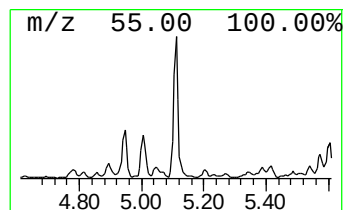
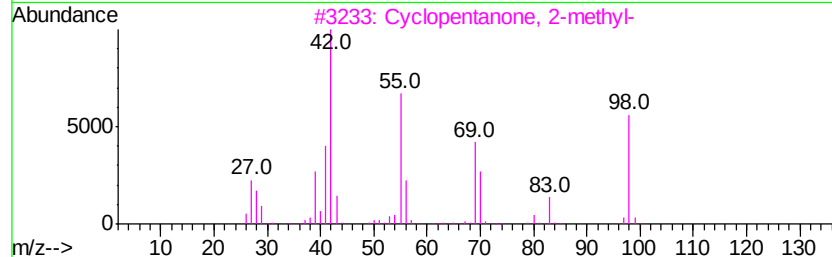
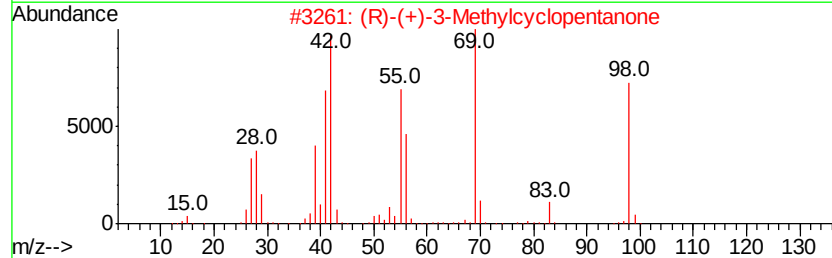
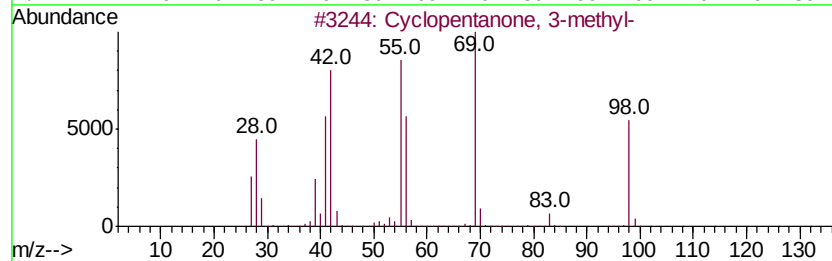
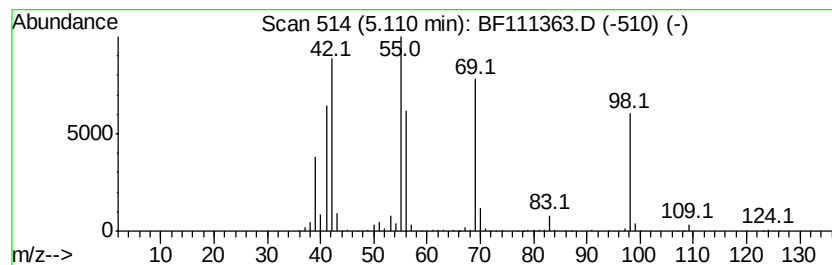
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 Cyclopentanone, 3-methyl- Concentration Rank 15

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 5.11 | 29.55 ng | 1829250 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# | of | Tentative ID                    | MW | MolForm | CAS#        | Qual |
|------|----|---------------------------------|----|---------|-------------|------|
| 1    | 5  | Cyclopentanone, 3-methyl-       | 98 | C6H10O  | 001757-42-2 | 93   |
| 2    |    | (R)-(+)-3-Methylcyclopentanone  | 98 | C6H10O  | 006672-30-6 | 93   |
| 3    |    | Cyclopentanone, 2-methyl-       | 98 | C6H10O  | 001120-72-5 | 59   |
| 4    |    | Cyclobutanone, 2-ethyl-         | 98 | C6H10O  | 010374-14-8 | 53   |
| 5    |    | 6-Oxa-bicyclo[3.1.0]hexan-3-one | 98 | C5H6O2  | 074017-10-0 | 50   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\  
Data File : BF111363.D  
Acq On : 13 Dec 2018 11:45  
Operator : JU/SJ  
Sample : J6334-04  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
B2-121018

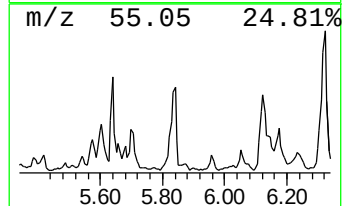
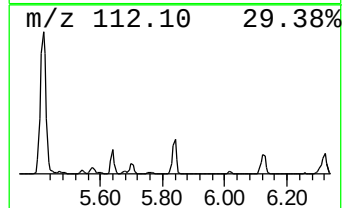
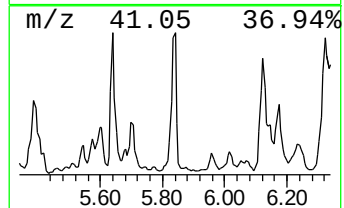
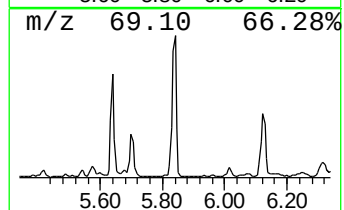
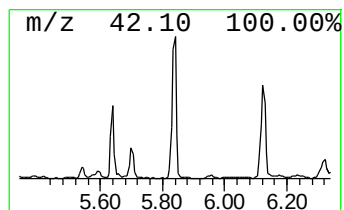
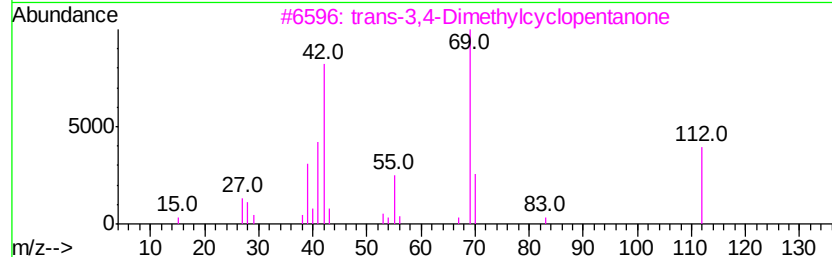
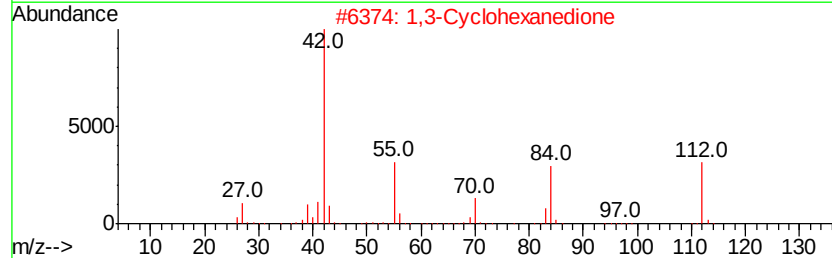
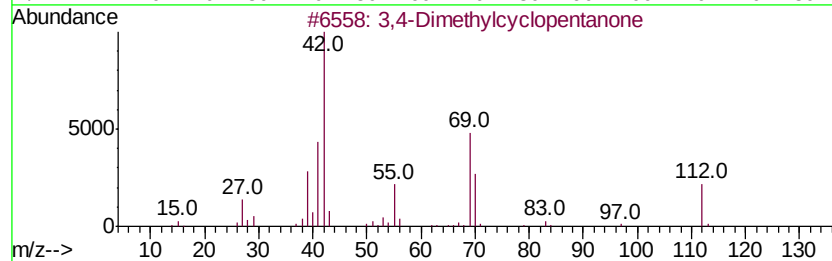
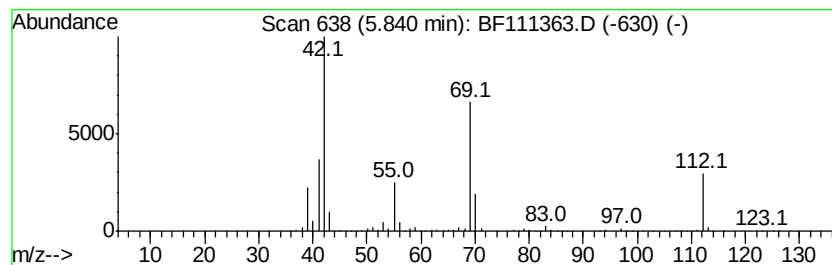
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 5 3,4-Dimethylcyclopentanone Concentration Rank 14

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 5.84 | 31.31 ng | 1938160 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | 3,4-Dimethylcyclopentanone       | 112 | C7H12O  | 058372-16-0 | 80   |
| 2    |    | 1,3-Cyclohexanedione             | 112 | C6H8O2  | 000504-02-9 | 72   |
| 3    |    | trans-3,4-Dimethylcyclopentanone | 112 | C7H12O  | 019550-73-3 | 47   |
| 4    |    | Cyclopropane, ethyl-             | 70  | C5H10   | 001191-96-4 | 42   |
| 5    |    | 1-Pentene                        | 70  | C5H10   | 000109-67-1 | 38   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\  
Data File : BF111363.D  
Acq On : 13 Dec 2018 11:45  
Operator : JU/SJ  
Sample : J6334-04  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B2-121018

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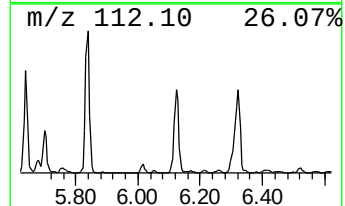
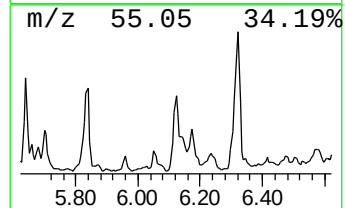
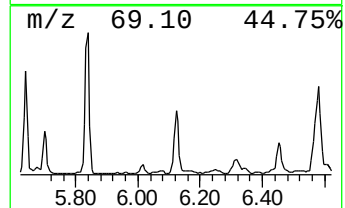
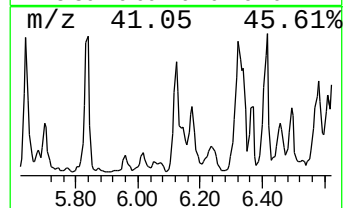
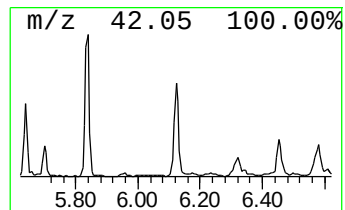
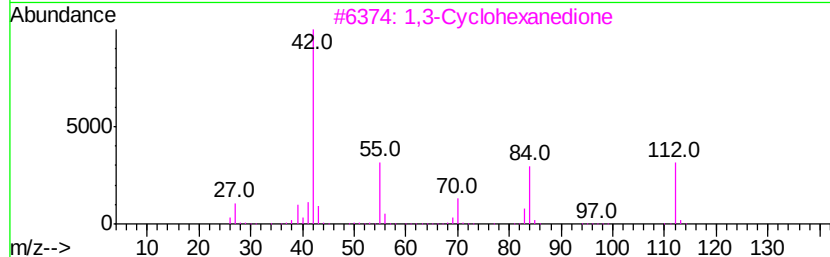
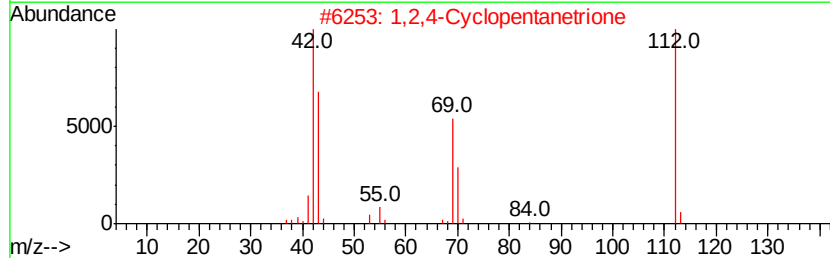
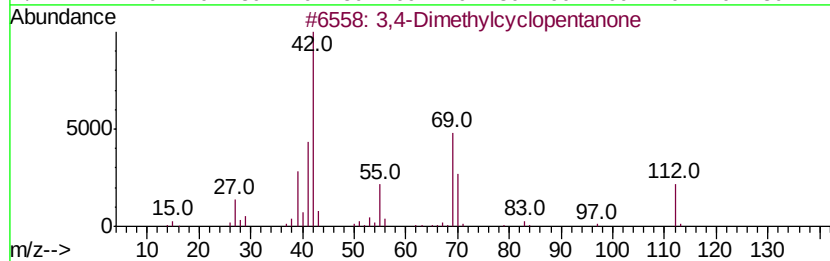
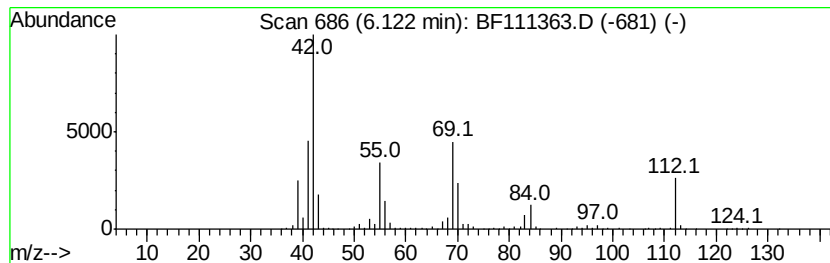
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 1,2,4-Cyclopentanetrione Concentration Rank 16

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.12 | 28.56 ng | 1768130 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | 3,4-Dimethylcyclopentanone | 112 | C7H12O  | 058372-16-0 | 80   |
| 2    |    | 1,2,4-Cyclopentanetrione   | 112 | C5H4O3  | 015849-14-6 | 72   |
| 3    |    | 1,3-Cyclohexanedione       | 112 | C6H8O2  | 000504-02-9 | 59   |
| 4    |    | Triethylenediamine         | 112 | C6H12N2 | 000280-57-9 | 58   |
| 5    |    | Cyclopentane               | 70  | C5H10   | 000287-92-3 | 50   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\  
Data File : BF111363.D  
Acq On : 13 Dec 2018 11:45  
Operator : JU/SJ  
Sample : J6334-04  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B2-121018

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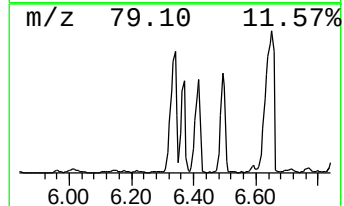
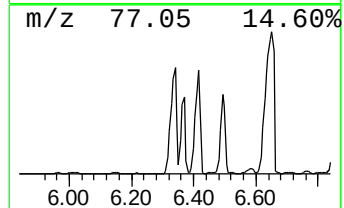
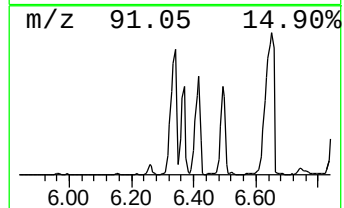
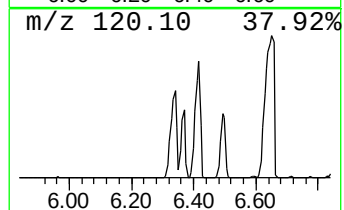
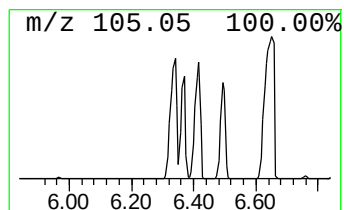
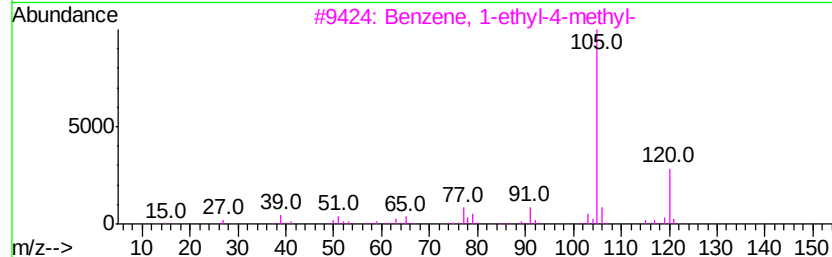
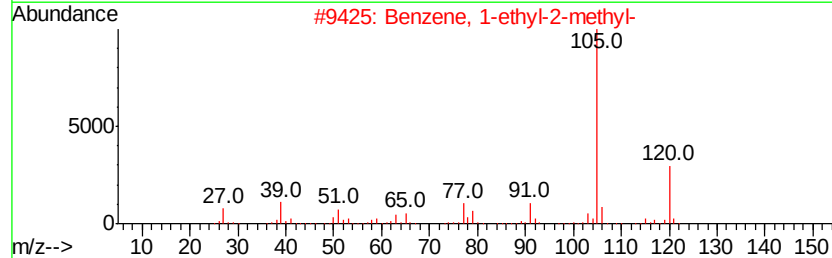
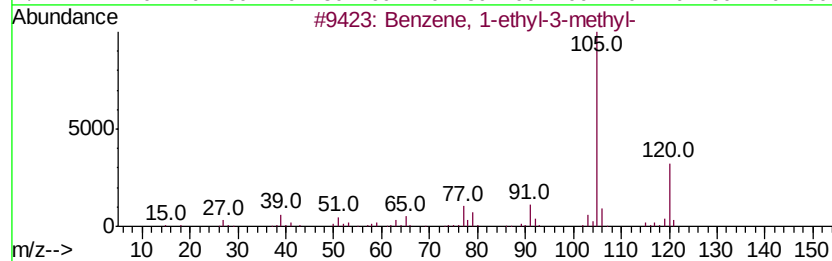
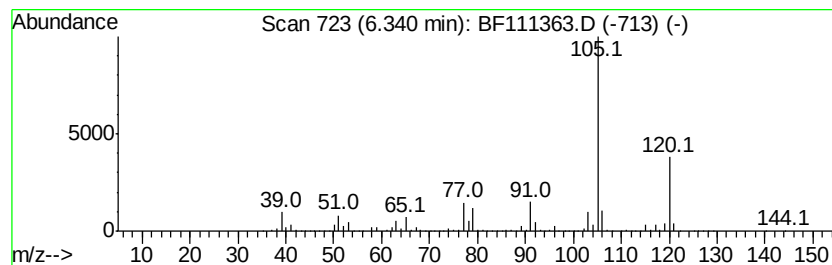
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TIC Integration Parameters: LSCINT.P

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Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

| R.T. | EstConc   | Area     | Relative to ISTD       | R.T. |
|------|-----------|----------|------------------------|------|
| 6.34 | 298.15 ng | 18455500 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 97   |
| 2    |    | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 3    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 4    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 5    |    | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\  
Data File : BF111363.D  
Acq On : 13 Dec 2018 11:45  
Operator : JU/SJ  
Sample : J6334-04  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
B2-121018

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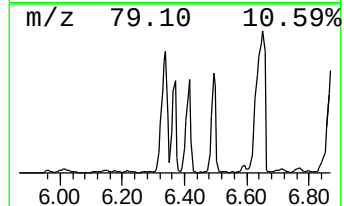
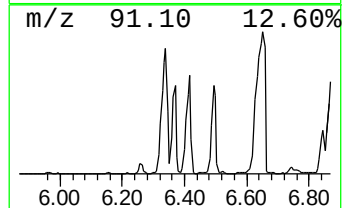
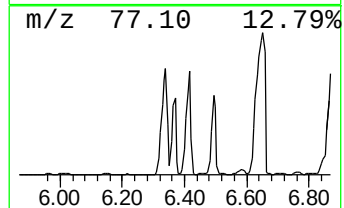
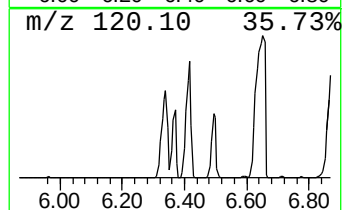
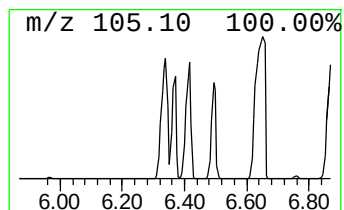
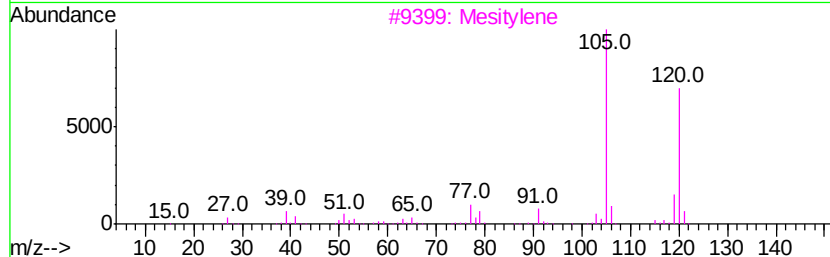
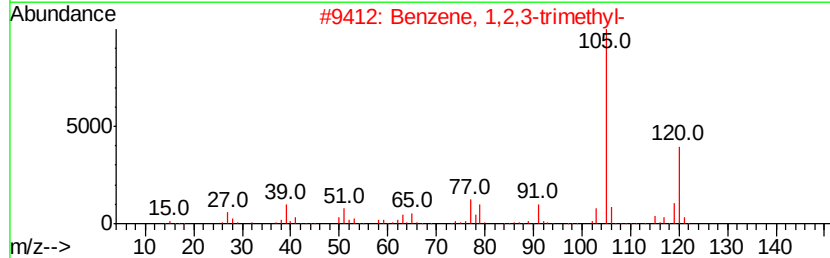
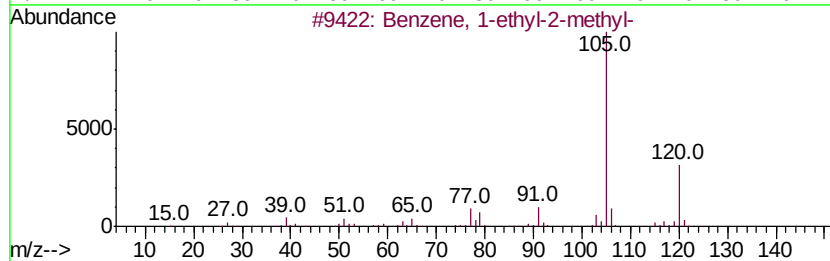
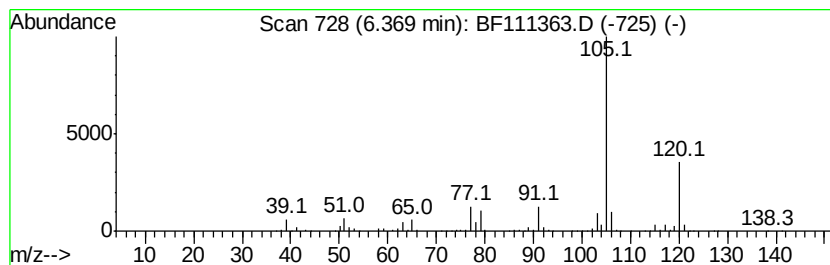
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 6.37 | 135.03 ng | 8358080 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 2    |    | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 93   |
| 3    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 4    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 5    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\  
Data File : BF111363.D  
Acq On : 13 Dec 2018 11:45  
Operator : JU/SJ  
Sample : J6334-04  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B2-121018

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

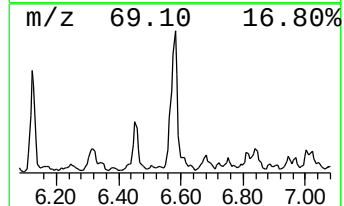
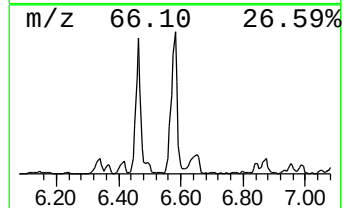
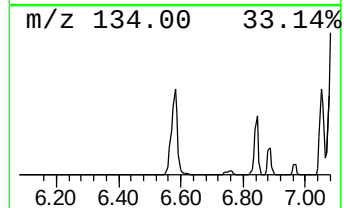
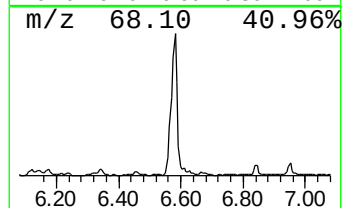
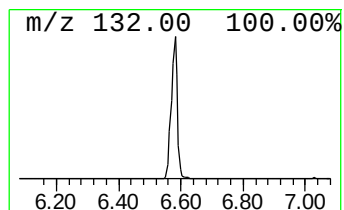
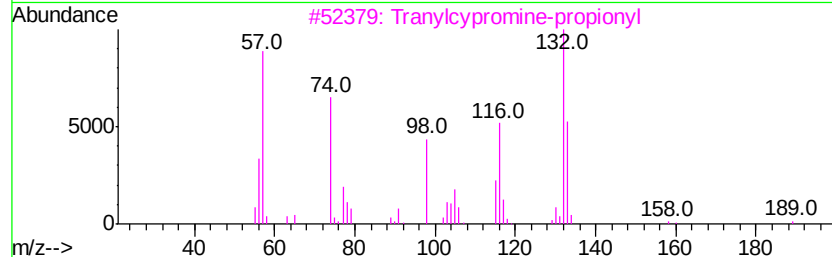
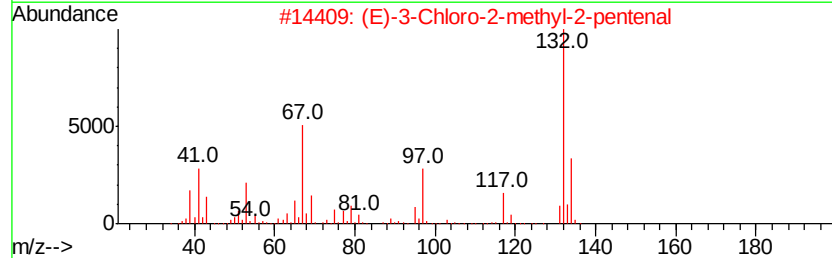
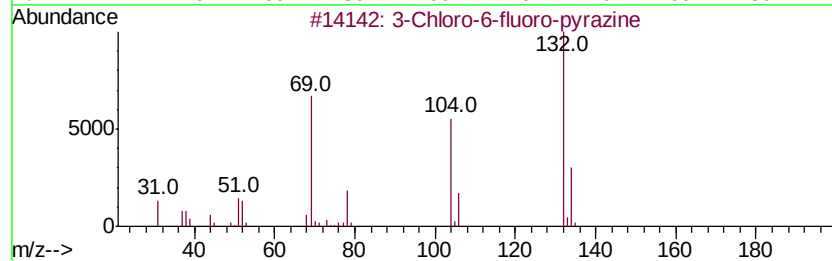
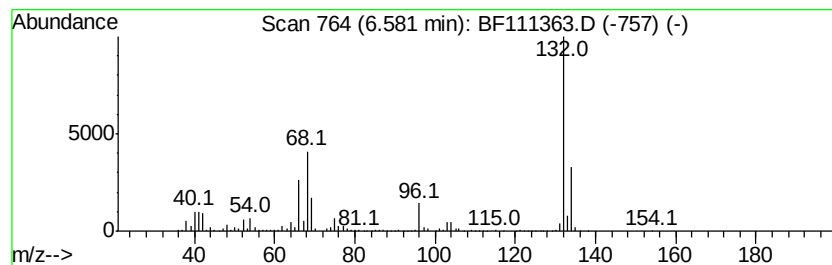
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TIC Integration Parameters: LSCINT.P

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Peak Number 9 unknown6.38 Concentration Rank 10

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.58 | 94.95 ng | 5877050 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 16   |
| 3    |    | Tranvlcypropine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | Amphetaminil                        | 250 | C17H18N2  | 017590-01-1  | 12   |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\  
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Acq On : 13 Dec 2018 11:45  
Operator : JU/SJ  
Sample : J6334-04  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B2-121018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

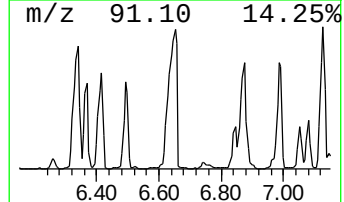
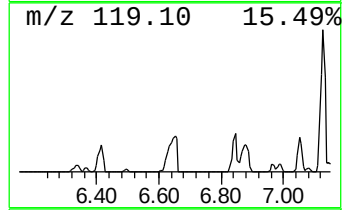
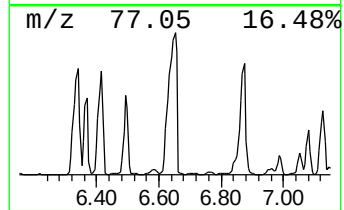
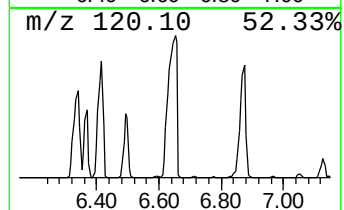
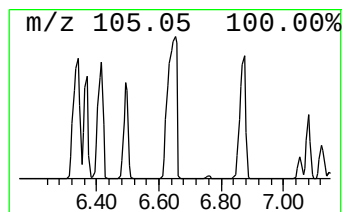
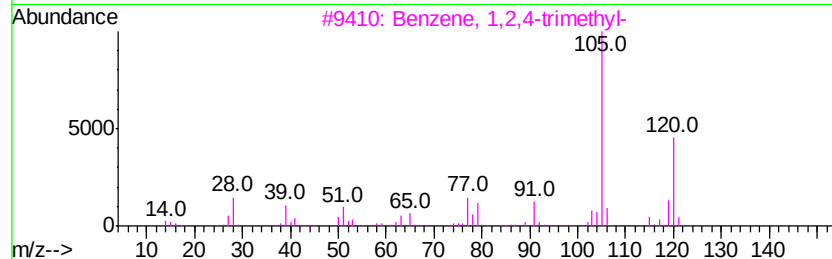
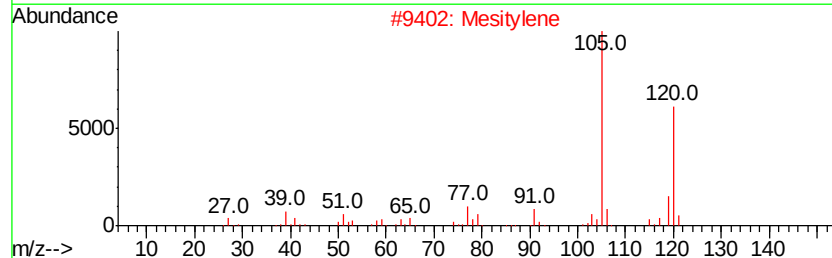
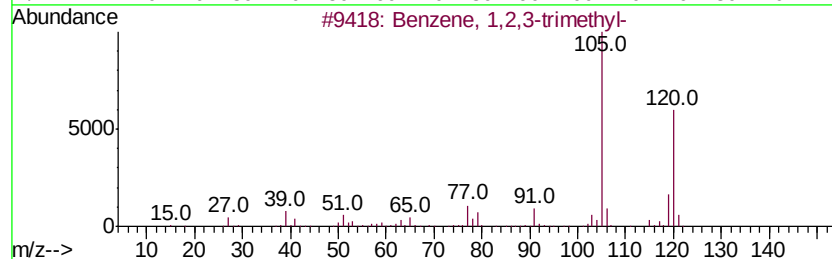
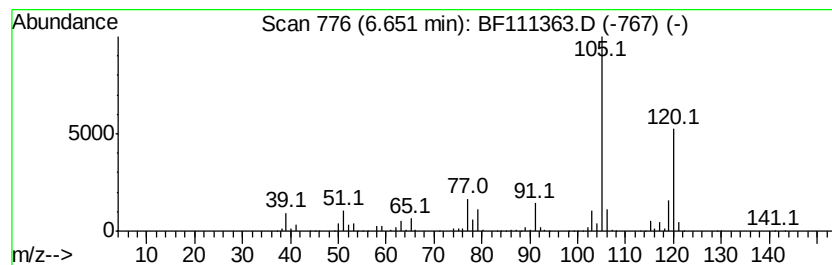
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Benzene, 1,2,3-trimethyl- Concentration Rank 1

| R.T. | EstConc   | Area     | Relative to ISTD       | R.T. |
|------|-----------|----------|------------------------|------|
| 6.65 | 537.95 ng | 33298500 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 95   |
| 2    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 95   |
| 3    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 94   |
| 4    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 5    |    | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\  
Data File : BF111363.D  
Acq On : 13 Dec 2018 11:45  
Operator : JU/SJ  
Sample : J6334-04  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B2-121018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

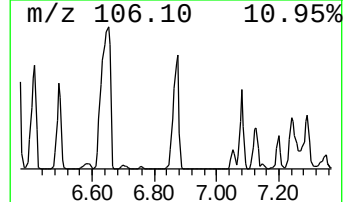
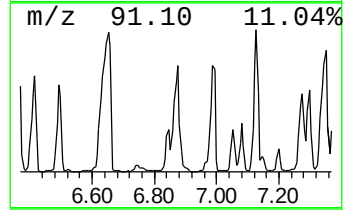
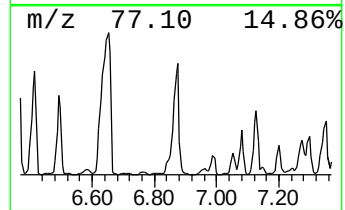
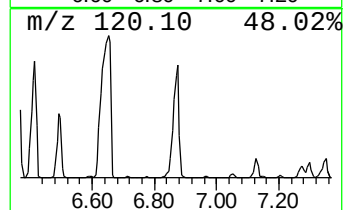
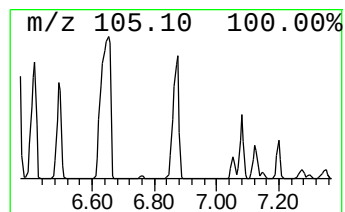
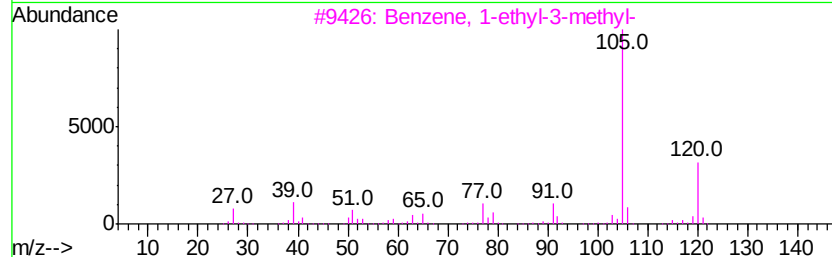
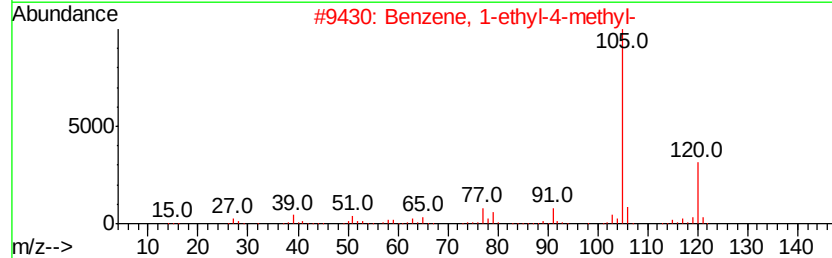
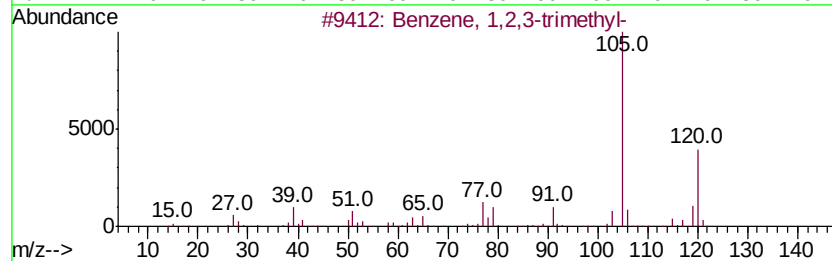
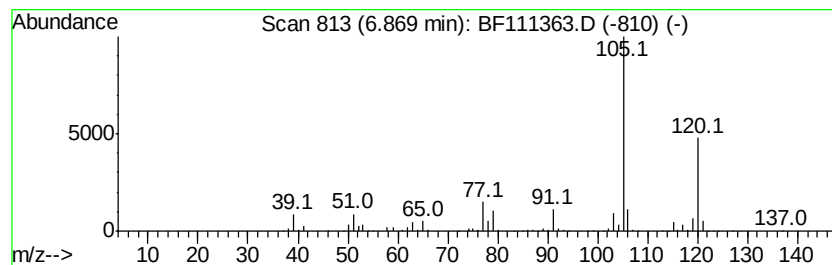
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 Benzene, 1-ethyl-4-methyl- Concentration Rank 3

| R.T. | EstConc   | Area     | Relative to ISTD       | R.T. |
|------|-----------|----------|------------------------|------|
| 6.87 | 256.37 ng | 15869300 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 95   |
| 2    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 94   |
| 3    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 94   |
| 4    |    | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 94   |
| 5    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\  
Data File : BF111363.D  
Acq On : 13 Dec 2018 11:45  
Operator : JU/SJ  
Sample : J6334-04  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

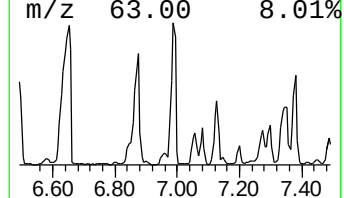
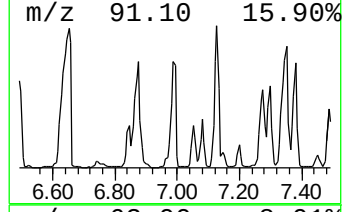
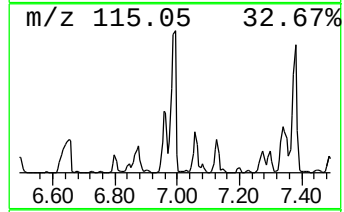
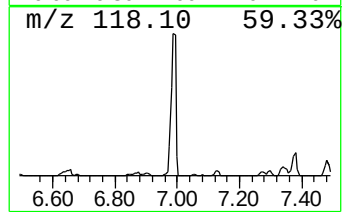
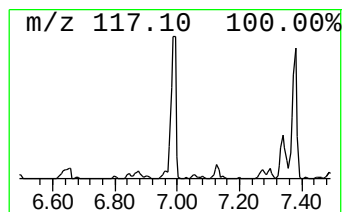
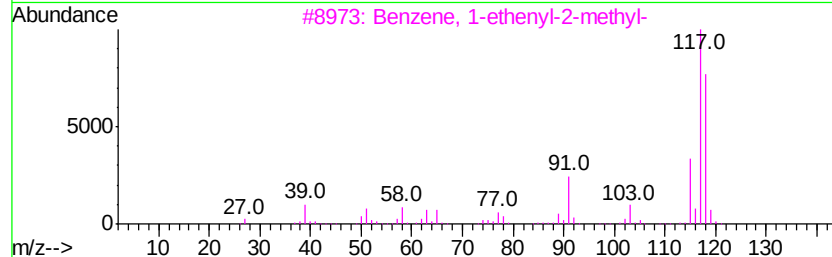
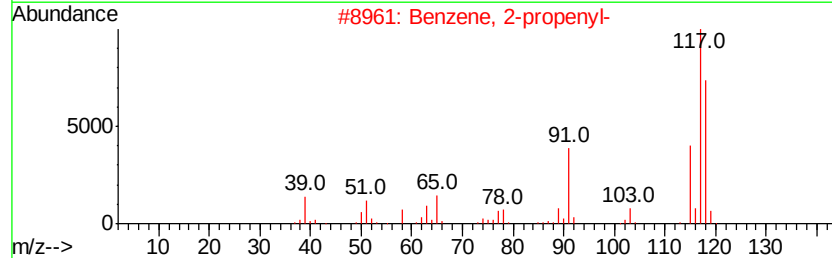
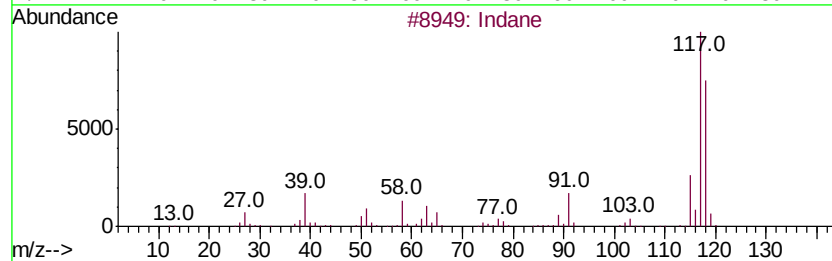
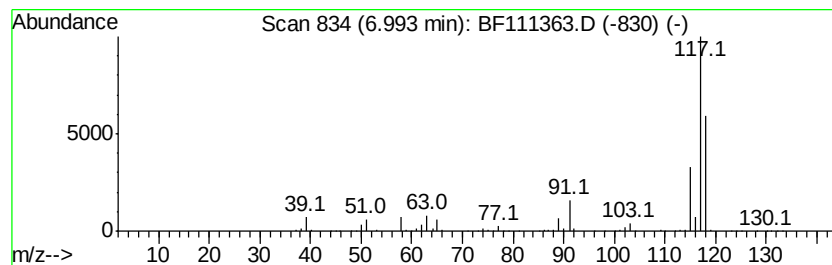
Instrument :  
BNA\_F  
ClientSampleId :  
B2-121018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 13 Indane Concentration Rank 5

| R.T.      | EstConc                             | Area     | Relative to ISTD       | R.T.        |      |
|-----------|-------------------------------------|----------|------------------------|-------------|------|
| 6.99      | 163.99 ng                           | 10150900 | 1,4-Dichlorobenzene-d4 | 6.80        |      |
| Hit# of 5 | Tentative ID                        | MW       | MolForm                | CAS#        | Qual |
| 1         | Indane                              | 118      | C9H10                  | 000496-11-7 | 87   |
| 2         | Benzene, 2-propenyl-                | 118      | C9H10                  | 000300-57-2 | 81   |
| 3         | Benzene, 1-ethenyl-2-methyl-        | 118      | C9H10                  | 000611-15-4 | 64   |
| 4         | Benzene, 1,1'-(1,5-hexadiene-1,6... | 234      | C18H18                 | 004439-45-6 | 59   |
| 5         | trans-Cinnamyl bromide              | 196      | C9H9Br                 | 026146-77-0 | 59   |





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\  
Data File : BF111363.D  
Acq On : 13 Dec 2018 11:45  
Operator : JU/SJ  
Sample : J6334-04  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B2-121018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

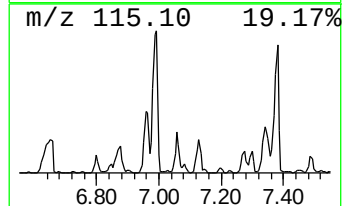
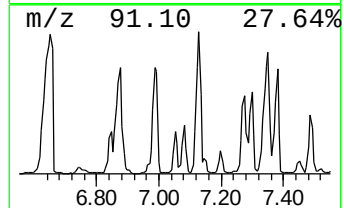
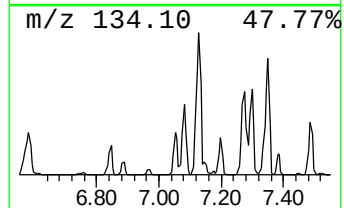
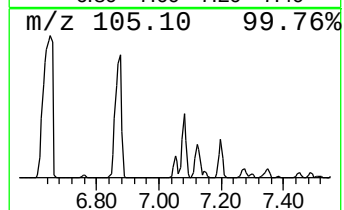
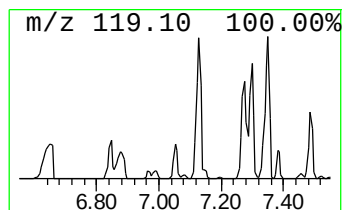
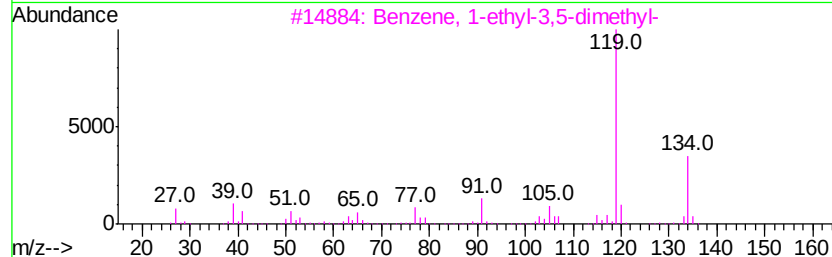
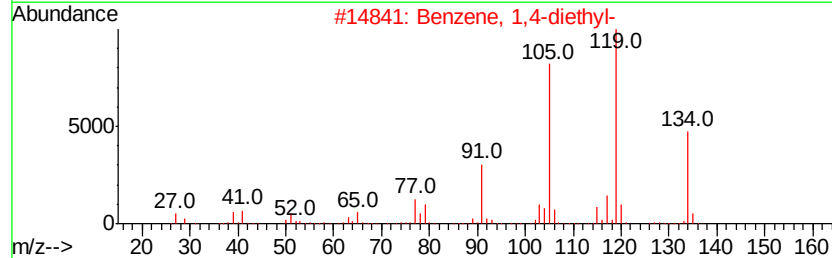
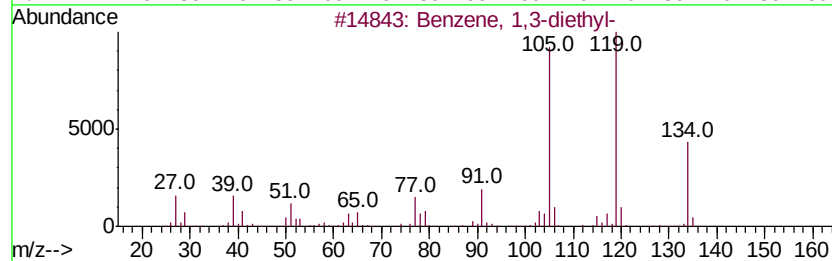
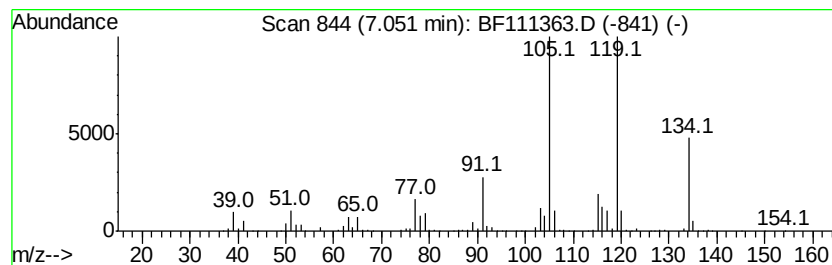
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Benzene, 1,3-diethyl- Concentration Rank 13

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.05 | 60.88 ng | 3768470 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,3-diethyl-          | 134 | C10H14  | 000141-93-5 | 95   |
| 2    |    | Benzene, 1,4-diethyl-          | 134 | C10H14  | 000105-05-5 | 91   |
| 3    |    | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 83   |
| 4    |    | Benzene, 1,2-diethyl-          | 134 | C10H14  | 000135-01-3 | 80   |
| 5    |    | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\  
Data File : BF111363.D  
Acq On : 13 Dec 2018 11:45  
Operator : JU/SJ  
Sample : J6334-04  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B2-121018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

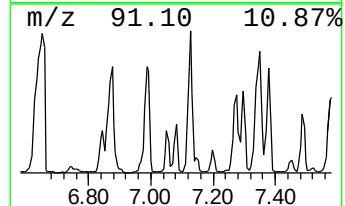
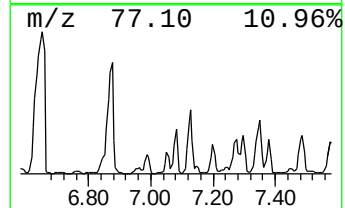
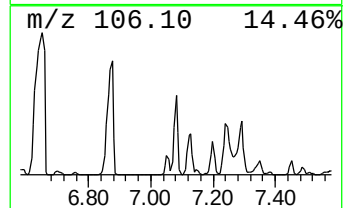
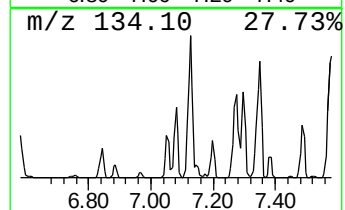
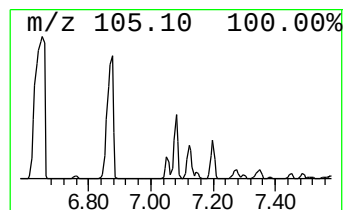
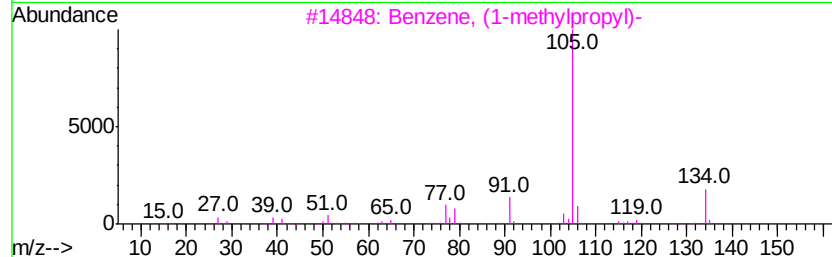
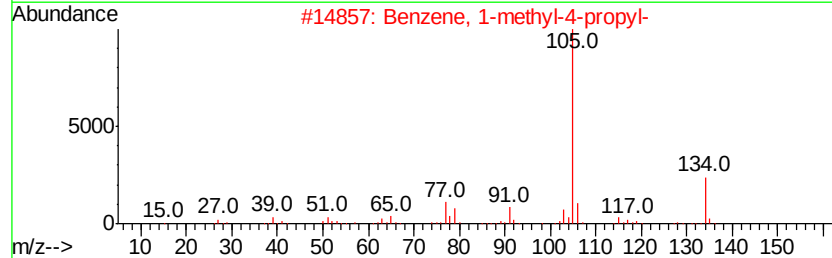
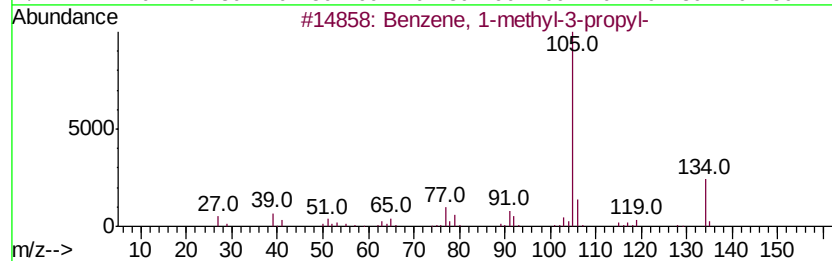
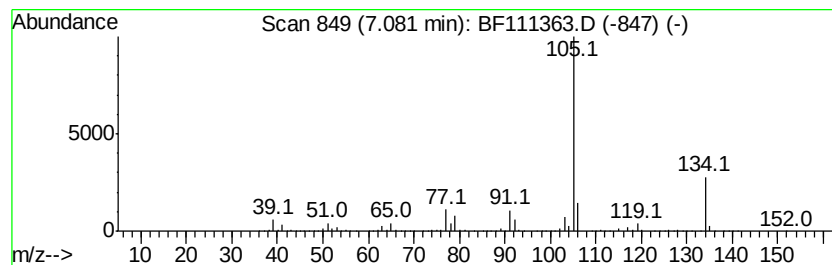
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 15 Benzene, 1-methyl-3-propyl- Concentration Rank 12

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.08 | 68.52 ng | 4241040 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-methyl-3-propyl- | 134 | C10H14  | 001074-43-7 | 94   |
| 2    |    | Benzene, 1-methyl-4-propyl- | 134 | C10H14  | 001074-55-1 | 91   |
| 3    |    | Benzene, (1-methylpropyl)-  | 134 | C10H14  | 000135-98-8 | 87   |
| 4    |    | 2-Tolyloxirane              | 134 | C9H10O  | 002783-26-8 | 83   |
| 5    |    | Benzene, 1-methyl-2-propyl- | 134 | C10H14  | 001074-17-5 | 76   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\  
Data File : BF111363.D  
Acq On : 13 Dec 2018 11:45  
Operator : JU/SJ  
Sample : J6334-04  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B2-121018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

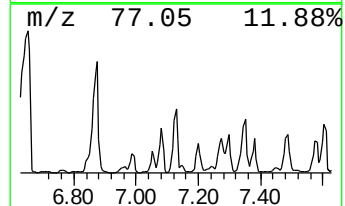
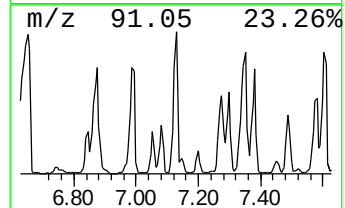
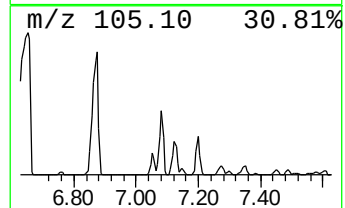
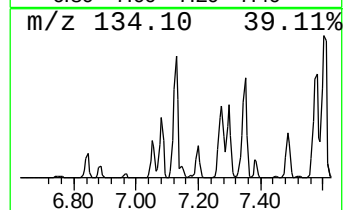
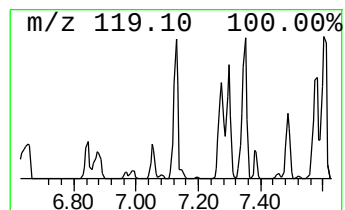
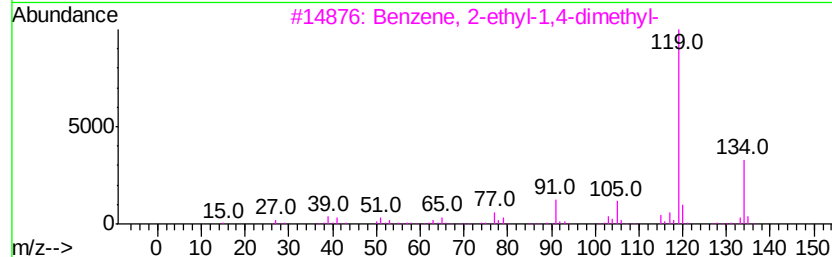
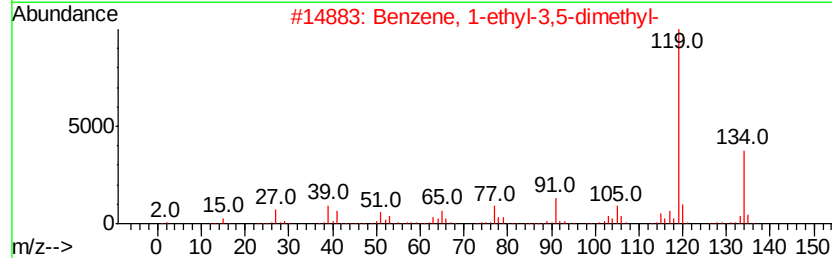
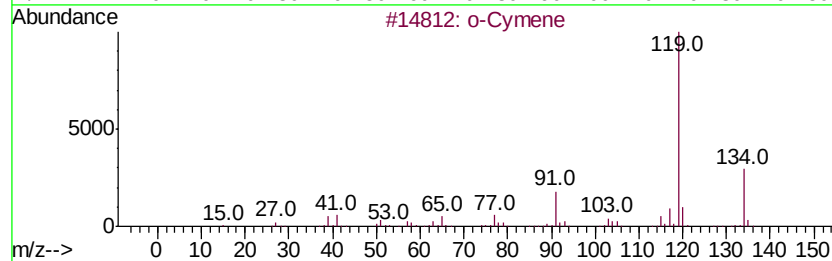
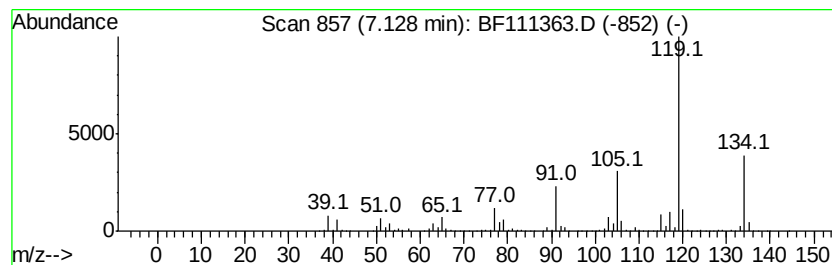
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 o-Cymene Concentration Rank 4

| R.T. | EstConc   | Area     | Relative to ISTD       | R.T. |
|------|-----------|----------|------------------------|------|
| 7.13 | 189.48 ng | 11728800 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 95   |
| 2    |    | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 94   |
| 3    |    | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14  | 001758-88-9 | 94   |
| 4    |    | Benzene, 1-ethyl-2,4-dimethyl- | 134 | C10H14  | 000874-41-9 | 93   |
| 5    |    | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14  | 000933-98-2 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\  
Data File : BF111363.D  
Acq On : 13 Dec 2018 11:45  
Operator : JU/SJ  
Sample : J6334-04  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
B2-121018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

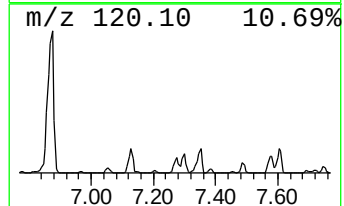
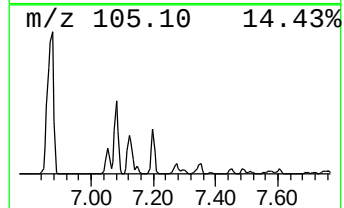
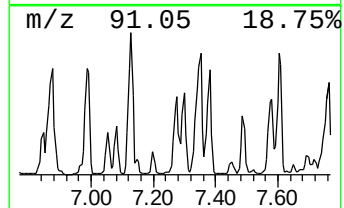
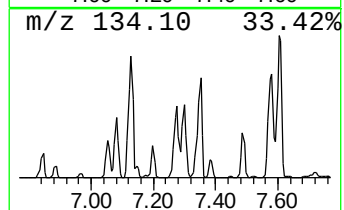
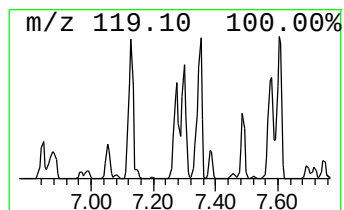
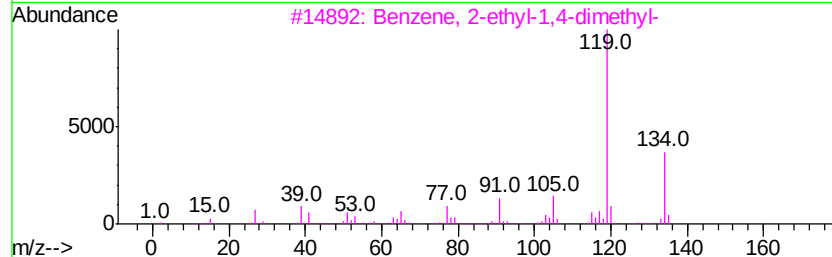
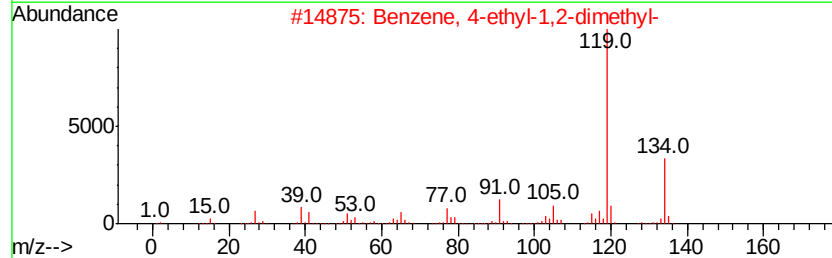
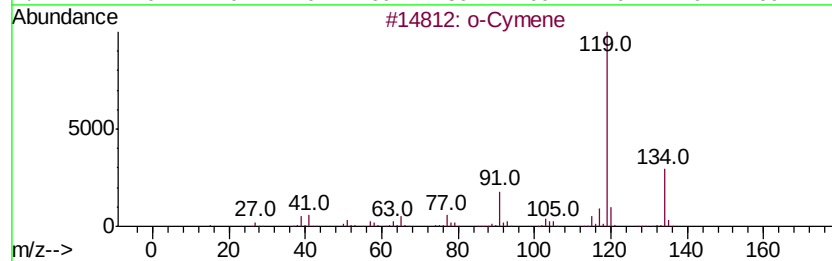
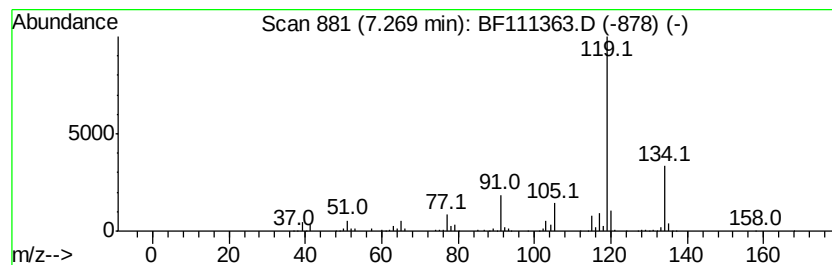
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 17 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 8

| R.T. | EstConc   | Area    | Relative to ISTD       | R.T. |
|------|-----------|---------|------------------------|------|
| 7.27 | 120.02 ng | 7428840 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 95   |
| 2    |    | Benzene, 4-ethyl-1,2-dimethyl-      | 134 | C10H14  | 000934-80-5 | 94   |
| 3    |    | Benzene, 2-ethyl-1,4-dimethyl-      | 134 | C10H14  | 001758-88-9 | 94   |
| 4    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 94   |
| 5    |    | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14  | 076089-59-3 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\  
Data File : BF111363.D  
Acq On : 13 Dec 2018 11:45  
Operator : JU/SJ  
Sample : J6334-04  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B2-121018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

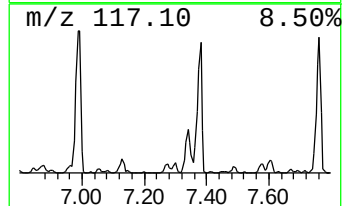
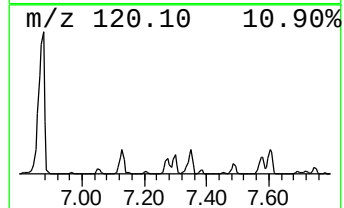
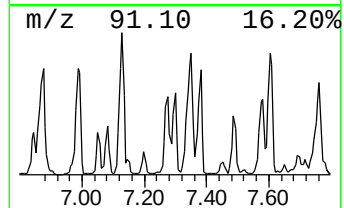
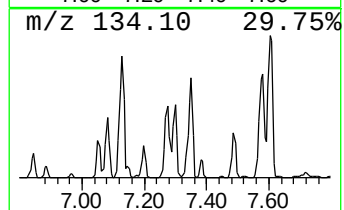
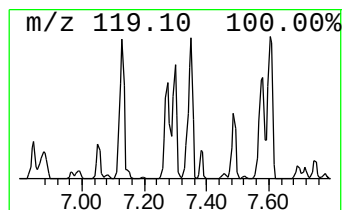
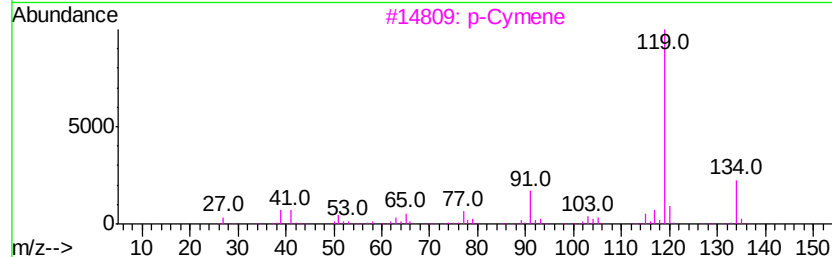
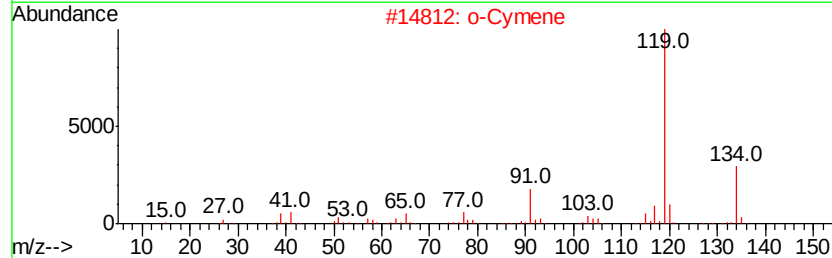
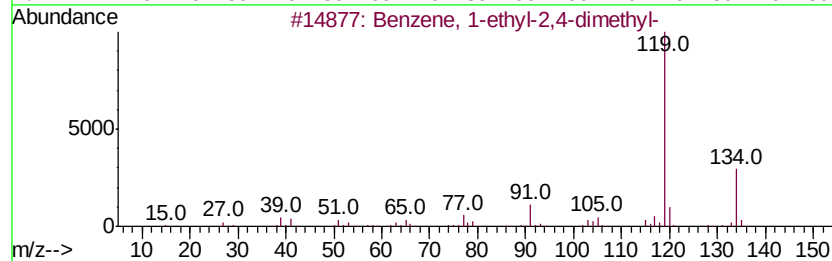
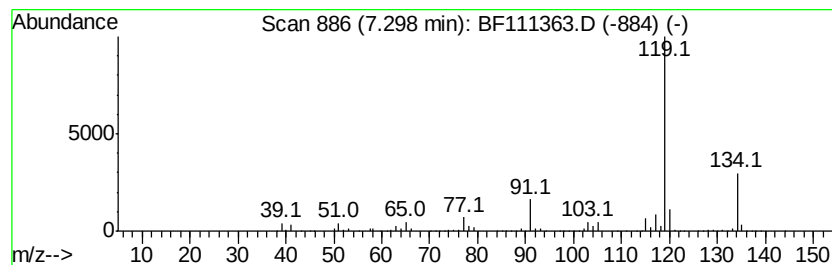
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 18 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 11

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 7.30 | 84.56 ng | 5233940 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1-ethyl-2,4-dimethyl-      | 134 | C10H14  | 000874-41-9 | 95   |
| 2    |    | o-Cymene                            | 134 | C10H14  | 000527-84-4 | 95   |
| 3    |    | p-Cymene                            | 134 | C10H14  | 000099-87-6 | 94   |
| 4    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 94   |
| 5    |    | Benzene, 2-ethyl-1,3-dimethyl-      | 134 | C10H14  | 002870-04-4 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\  
Data File : BF111363.D  
Acq On : 13 Dec 2018 11:45  
Operator : JU/SJ  
Sample : J6334-04  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B2-121018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

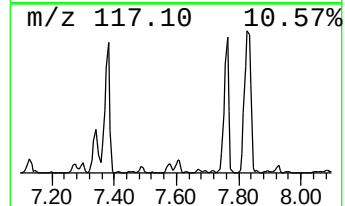
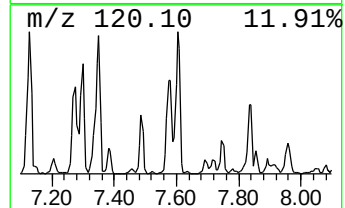
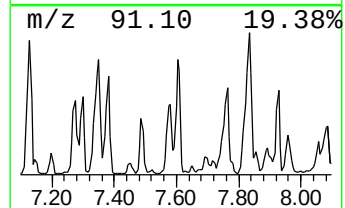
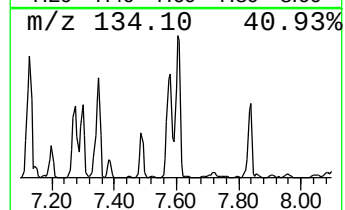
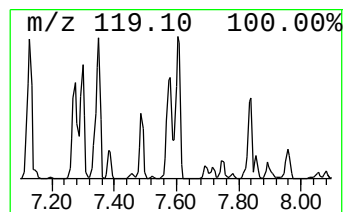
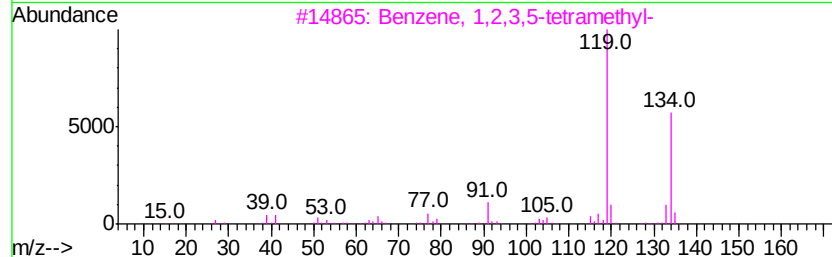
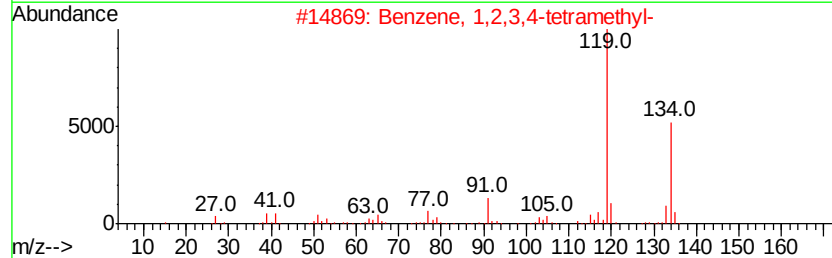
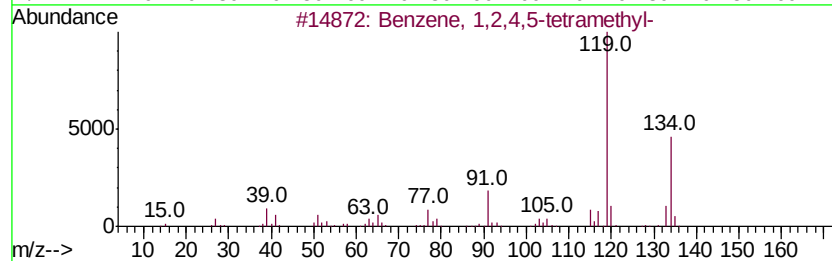
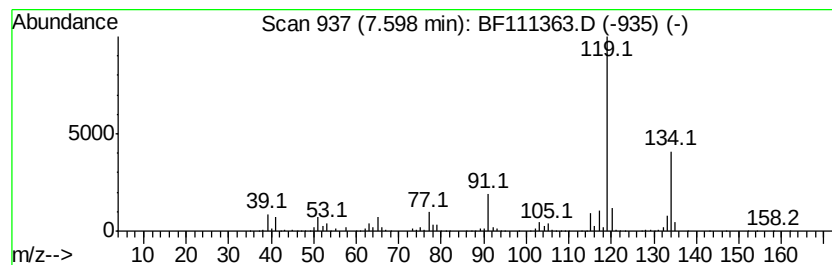
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 19 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 18

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 7.60 | 26.30 ng | 9814970 | Napthalene-d8    | 8.09 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzene, 1,2,4,5-tetramethyl-  | 134 | C10H14  | 000095-93-2 | 96   |
| 2    |    | Benzene, 1,2,3,4-tetramethyl-  | 134 | C10H14  | 000488-23-3 | 94   |
| 3    |    | Benzene, 1,2,3,5-tetramethyl-  | 134 | C10H14  | 000527-53-7 | 94   |
| 4    |    | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 93   |
| 5    |    | o-Cymene                       | 134 | C10H14  | 000527-84-4 | 93   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121318\  
Data File : BF111363.D  
Acq On : 13 Dec 2018 11:45  
Operator : JU/SJ  
Sample : J6334-04  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B2-121018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

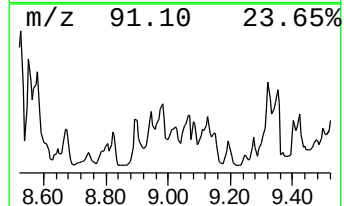
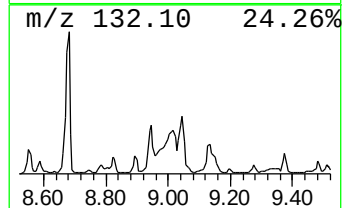
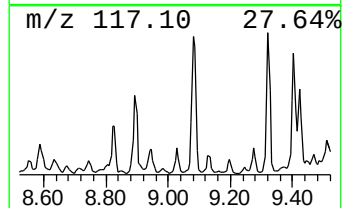
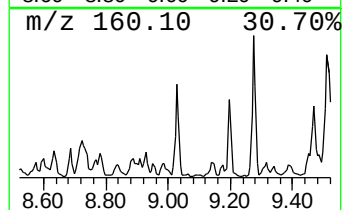
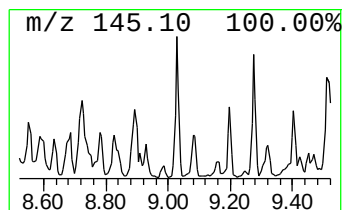
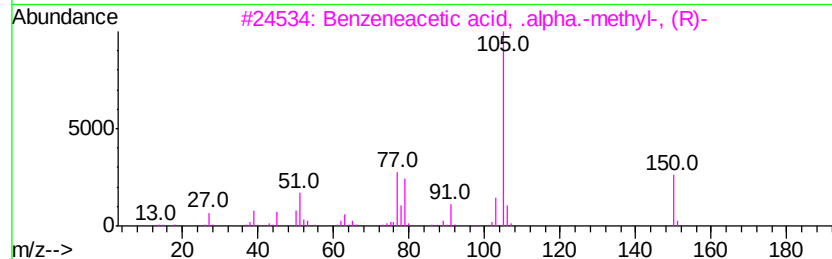
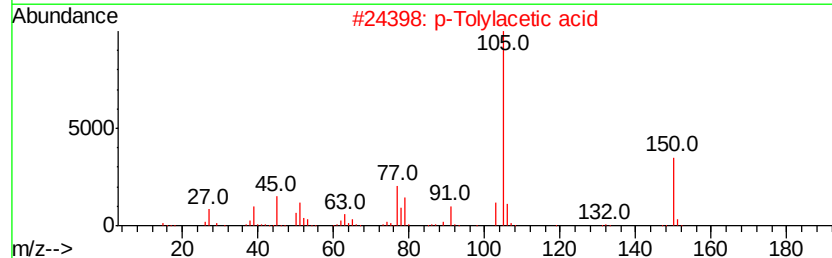
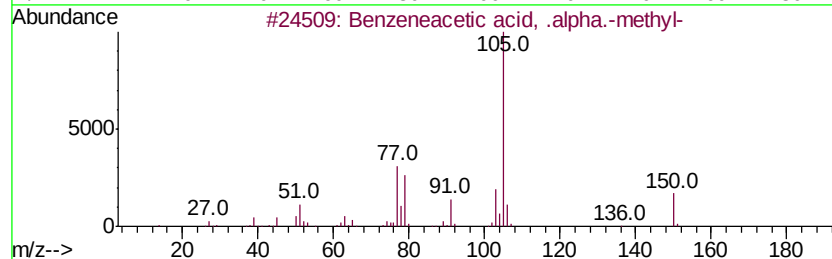
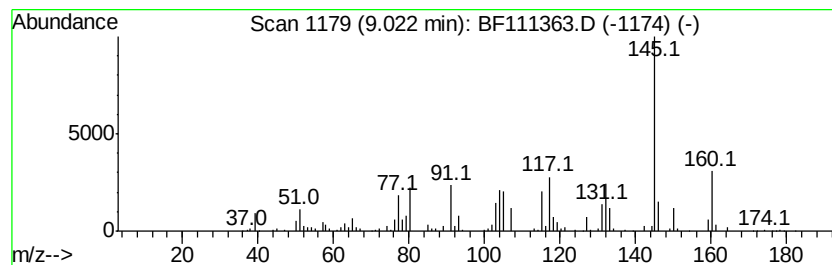
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 20 Benzeneacetic acid, .alpha.... Concentration Rank 19

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.02 | 22.97 ng | 3668940 | Acenaphthene-d10 | 9.83 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzeneacetic acid, .alpha.-methyl- | 150 | C9H10O2 | 000492-37-5 | 64   |
| 2    |    | p-Tolylacetic acid                  | 150 | C9H10O2 | 000622-47-9 | 60   |
| 3    |    | Benzeneacetic acid, .alpha.-meth... | 150 | C9H10O2 | 007782-26-5 | 60   |
| 4    |    | Benzeneacetic acid, .alpha.-meth... | 150 | C9H10O2 | 007782-24-3 | 60   |
| 5    |    | o-Tolylacetic acid                  | 150 | C9H10O2 | 000644-36-0 | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF121318\  
 Data File : BF111363.D  
 Acq On : 13 Dec 2018 11:45  
 Operator : JU/SJ  
 Sample : J6334-04  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B2-121018

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF121218.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 |
| Cyclohexane, methyl- | 2.86 | 27.7    | ng    | 1716590  | 1                     | 6.80 | 1237990 | 20.0 |
| unknown4.06          | 4.06 | 22.9    | ng    | 1420060  | 1                     | 6.80 | 1237990 | 20.0 |
| Cyclopentanone, 3... | 5.11 | 29.6    | ng    | 1829250  | 1                     | 6.80 | 1237990 | 20.0 |
| 3,4-Dimethylcyclo... | 5.84 | 31.3    | ng    | 1938160  | 1                     | 6.80 | 1237990 | 20.0 |
| 1,2,4-Cyclopentan... | 6.12 | 28.6    | ng    | 1768130  | 1                     | 6.80 | 1237990 | 20.0 |
| Benzene, 1-ethyl-... | 6.34 | 298.1   | ng    | 18455500 | 1                     | 6.80 | 1237990 | 20.0 |
| Benzene, 1-ethyl-... | 6.37 | 135.0   | ng    | 8358080  | 1                     | 6.80 | 1237990 | 20.0 |
| unknown6.38          | 6.58 | 95.0    | ng    | 5877050  | 1                     | 6.80 | 1237990 | 20.0 |
| Benzene, 1,2,3-tr... | 6.65 | 538.0   | ng    | 33298500 | 1                     | 6.80 | 1237990 | 20.0 |
| Benzene, 1-ethyl-... | 6.87 | 256.4   | ng    | 15869300 | 1                     | 6.80 | 1237990 | 20.0 |
| Indane               | 6.99 | 164.0   | ng    | 10150900 | 1                     | 6.80 | 1237990 | 20.0 |
| Benzene, 1,3-diet... | 7.05 | 60.9    | ng    | 3768470  | 1                     | 6.80 | 1237990 | 20.0 |
| Benzene, 1-methyl... | 7.08 | 68.5    | ng    | 4241040  | 1                     | 6.80 | 1237990 | 20.0 |
| o-Cymene             | 7.13 | 189.5   | ng    | 11728800 | 1                     | 6.80 | 1237990 | 20.0 |
| Benzene, 4-ethyl-... | 7.27 | 120.0   | ng    | 7428840  | 1                     | 6.80 | 1237990 | 20.0 |
| Benzene, 1-ethyl-... | 7.30 | 84.6    | ng    | 5233940  | 1                     | 6.80 | 1237990 | 20.0 |
| Benzene, 1,2,4,5-... | 7.60 | 26.3    | ng    | 9814970  | 2                     | 8.09 | 7465120 | 20.0 |
| Benzeneacetic aci... | 9.02 | 23.0    | ng    | 3668940  | 3                     | 9.83 | 3194700 | 20.0 |