

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF110217\  
 Data File : BF100102.D  
 Acq On : 2 Nov 2017 23:06  
 Operator : SJ/JU  
 Sample : I6207-02  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-02

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-BF102317.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         | 4.987       | 490           | 493         | 509          | rBV      | 47894          | 79730         | 5.31%           | 0.716%        |
| 2         | 5.404       | 561           | 564         | 592          | rBV      | 145724         | 275824        | 18.38%          | 2.476%        |
| 3         | 6.428       | 735           | 738         | 754          | rBV      | 105736         | 196655        | 13.11%          | 1.765%        |
| 4         | 6.539       | 754           | 757         | 763          | rVV      | 578856         | 653454        | 43.55%          | 5.866%        |
| 5         | 6.586       | 763           | 765         | 771          | rVB      | 65738          | 57779         | 3.85%           | 0.519%        |
| 6         | 6.769       | 793           | 796         | 802          | rBV      | 477044         | 440976        | 29.39%          | 3.958%        |
| 7         | 6.822       | 802           | 805         | 812          | rVB2     | 39526          | 43256         | 2.88%           | 0.388%        |
| 8         | 6.922       | 818           | 822         | 835          | rBV      | 1185839        | 1037318       | 69.13%          | 9.311%        |
| 9         | 7.081       | 846           | 849         | 858          | rVB      | 31516          | 37213         | 2.48%           | 0.334%        |
| 10        | 7.292       | 883           | 885         | 888          | rBV      | 43918          | 37666         | 2.51%           | 0.338%        |
| 11        | 7.339       | 888           | 893         | 902          | rVV      | 766036         | 740864        | 49.37%          | 6.650%        |
| 12        | 7.410       | 902           | 905         | 909          | rVB2     | 15402          | 19805         | 1.32%           | 0.178%        |
| 13        | 7.533       | 923           | 926         | 928          | rBV      | 24128          | 18256         | 1.22%           | 0.164%        |
| 14        | 7.563       | 928           | 931         | 936          | rVB      | 34251          | 32568         | 2.17%           | 0.292%        |
| 15        | 7.698       | 951           | 954         | 956          | rBV2     | 19482          | 18436         | 1.23%           | 0.165%        |
| 16        | 7.722       | 956           | 958         | 963          | rVB      | 23557          | 23230         | 1.55%           | 0.209%        |
| 17        | 7.786       | 963           | 969         | 972          | rBV2     | 91685          | 104363        | 6.96%           | 0.937%        |
| 18        | 7.863       | 977           | 982         | 983          | rBV3     | 16271          | 20209         | 1.35%           | 0.181%        |
| 19        | 7.886       | 983           | 986         | 989          | rVB      | 46817          | 35394         | 2.36%           | 0.318%        |
| 20        | 8.051       | 1005          | 1014        | 1017         | rBV      | 679574         | 655939        | 43.71%          | 5.888%        |
| 21        | 8.245       | 1044          | 1047        | 1052         | rVB      | 24785          | 20222         | 1.35%           | 0.182%        |
| 22        | 8.292       | 1052          | 1055        | 1058         | rBV3     | 20491          | 24388         | 1.63%           | 0.219%        |
| 23        | 8.322       | 1058          | 1060        | 1066         | rVB4     | 21778          | 28686         | 1.91%           | 0.257%        |
| 24        | 8.433       | 1075          | 1079        | 1085         | rVB3     | 28913          | 31534         | 2.10%           | 0.283%        |
| 25        | 8.516       | 1090          | 1093        | 1095         | rVV      | 27209          | 25396         | 1.69%           | 0.228%        |
| 26        | 8.551       | 1095          | 1099        | 1104         | rVB3     | 75780          | 75878         | 5.06%           | 0.681%        |
| 27        | 8.633       | 1111          | 1113        | 1118         | rBV4     | 17722          | 23473         | 1.56%           | 0.211%        |
| 28        | 8.704       | 1121          | 1125        | 1128         | rVB      | 41133          | 35001         | 2.33%           | 0.314%        |
| 29        | 8.763       | 1133          | 1135        | 1139         | rBV      | 221907         | 183714        | 12.24%          | 1.649%        |
| 30        | 8.863       | 1149          | 1152        | 1155         | rBV      | 188175         | 159918        | 10.66%          | 1.435%        |
| 31        | 9.122       | 1192          | 1196        | 1200         | rBV      | 1738867        | 1500543       | 100.00%         | 13.469%       |
| 32        | 9.227       | 1212          | 1214        | 1217         | rBV2     | 27562          | 24973         | 1.66%           | 0.224%        |
| 33        | 9.269       | 1218          | 1221        | 1224         | rVV      | 32626          | 28571         | 1.90%           | 0.256%        |
| 34        | 9.322       | 1228          | 1230        | 1235         | rVB      | 45644          | 51462         | 3.43%           | 0.462%        |

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 BNA\_F  
 ClientSampleId :  
 MW-02

Integration Parameters: rteint.p  
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 Sampling : 1  
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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:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |        |        |        |
|----|--------|------|------|------|------|---------|--------|--------|--------|
| 35 | 9.386  | 1237 | 1241 | 1246 | rBV  | 116223  | 157888 | 10.52% | 1.417% |
| 36 | 9.463  | 1250 | 1254 | 1256 | rVV  | 152670  | 162245 | 10.81% | 1.456% |
| 37 | 9.492  | 1256 | 1259 | 1263 | rVB  | 109586  | 105183 | 7.01%  | 0.944% |
| 38 | 9.580  | 1270 | 1274 | 1282 | rVB  | 65517   | 93402  | 6.22%  | 0.838% |
| 39 | 9.663  | 1285 | 1288 | 1292 | rVB  | 36499   | 33429  | 2.23%  | 0.300% |
| 40 | 9.804  | 1305 | 1312 | 1317 | rBV  | 730447  | 662265 | 44.14% | 5.945% |
| 41 | 9.845  | 1317 | 1319 | 1321 | rVV2 | 24555   | 22187  | 1.48%  | 0.199% |
| 42 | 9.910  | 1325 | 1330 | 1334 | rBV2 | 37888   | 54213  | 3.61%  | 0.487% |
| 43 | 10.004 | 1343 | 1346 | 1350 | rVV2 | 54415   | 57256  | 3.82%  | 0.514% |
| 44 | 10.045 | 1350 | 1353 | 1357 | rVB  | 58739   | 53230  | 3.55%  | 0.478% |
| 45 | 10.121 | 1362 | 1366 | 1369 | rBV  | 45669   | 47987  | 3.20%  | 0.431% |
| 46 | 10.151 | 1369 | 1371 | 1376 | rVB  | 40595   | 32210  | 2.15%  | 0.289% |
| 47 | 10.210 | 1376 | 1381 | 1383 | rBV2 | 32995   | 48879  | 3.26%  | 0.439% |
| 48 | 10.227 | 1383 | 1384 | 1389 | rVB2 | 29967   | 22964  | 1.53%  | 0.206% |
| 49 | 10.345 | 1399 | 1404 | 1405 | rBV2 | 24316   | 23004  | 1.53%  | 0.206% |
| 50 | 10.363 | 1405 | 1407 | 1413 | rVB5 | 19018   | 21444  | 1.43%  | 0.192% |
| 51 | 10.416 | 1413 | 1416 | 1418 | rBV  | 36946   | 36534  | 2.43%  | 0.328% |
| 52 | 10.516 | 1431 | 1433 | 1437 | rVB  | 34284   | 27998  | 1.87%  | 0.251% |
| 53 | 10.598 | 1444 | 1447 | 1454 | rBV  | 439753  | 419707 | 27.97% | 3.767% |
| 54 | 10.716 | 1460 | 1467 | 1472 | rVB5 | 15388   | 30087  | 2.01%  | 0.270% |
| 55 | 10.933 | 1501 | 1504 | 1508 | rBV2 | 25485   | 24424  | 1.63%  | 0.219% |
| 56 | 11.298 | 1562 | 1566 | 1569 | rBV  | 552482  | 496697 | 33.10% | 4.459% |
| 57 | 12.874 | 1831 | 1834 | 1838 | rBV  | 1079571 | 977673 | 65.15% | 8.776% |
| 58 | 13.945 | 2013 | 2016 | 2023 | rBV  | 424459  | 392941 | 26.19% | 3.527% |
| 59 | 15.409 | 2260 | 2265 | 2272 | rBV  | 307564  | 393837 | 26.25% | 3.535% |

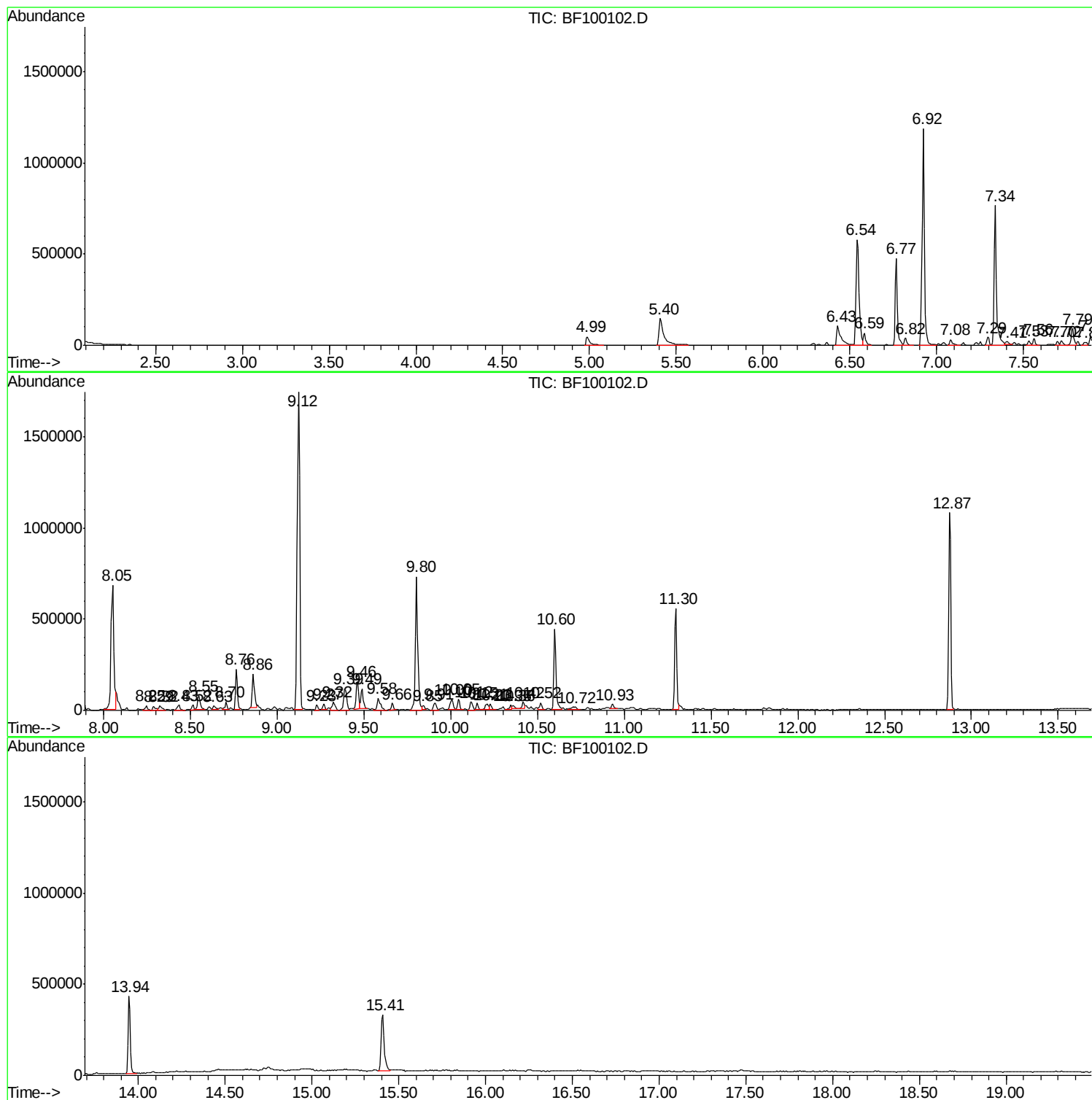
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ClientSampleId :  
MW-02

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.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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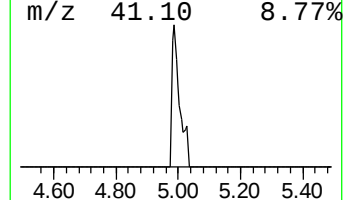
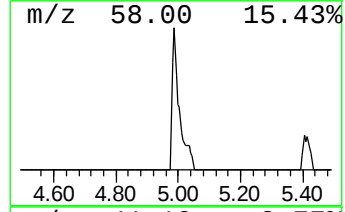
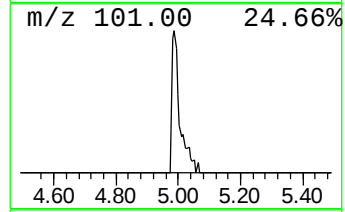
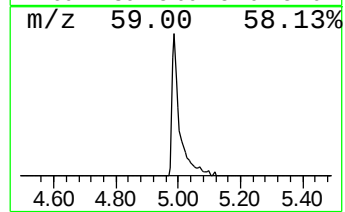
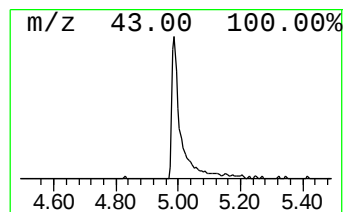
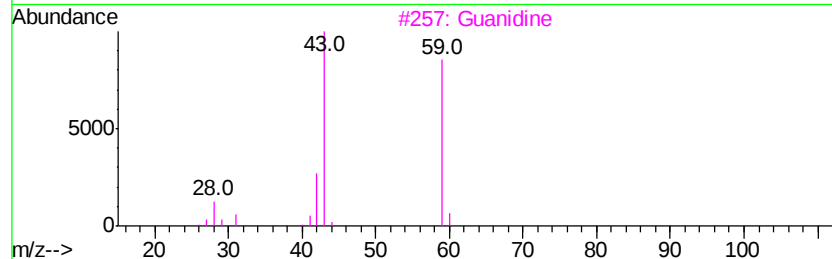
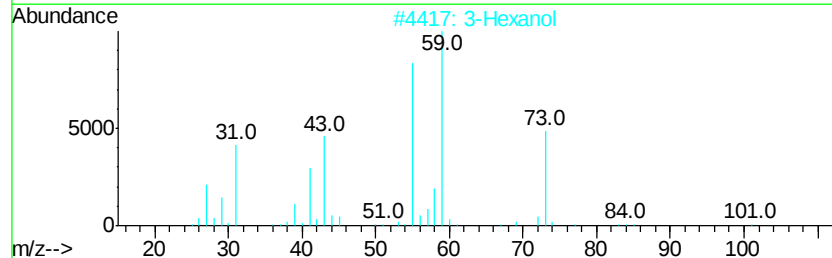
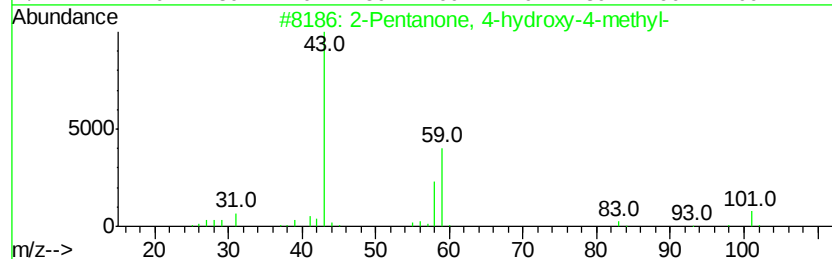
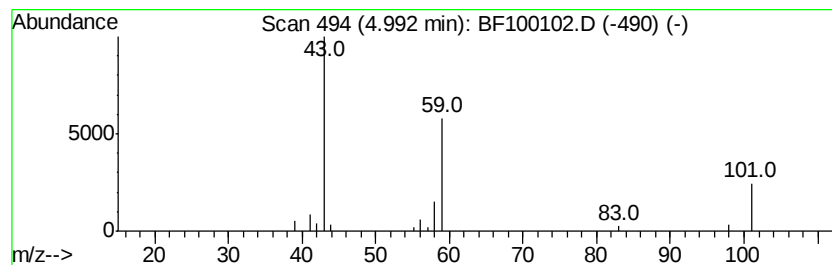
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 4.99 | 3.62 ng | 79730 | 1,4-Dichlorobenzene-d4 | 6.77 |

| Hit# | of | 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56   |
| 2    |    |   | 3-Hexanol                        | 102 | C6H14O  | 000623-37-0 | 28   |
| 3    |    |   | Guanidine                        | 59  | CH5N3   | 000113-00-8 | 9    |
| 4    |    |   | 5-Hexen-2-one                    | 98  | C6H10O  | 000109-49-9 | 9    |
| 5    |    |   | 3-Heptanol                       | 116 | C7H16O  | 000589-82-2 | 9    |



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ALS Vial : 23 Sample Multiplier: 1

Instrument :  
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MW-02

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

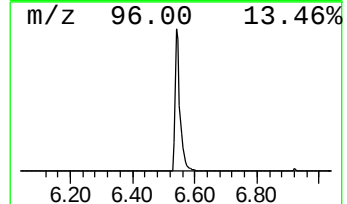
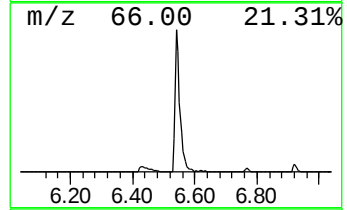
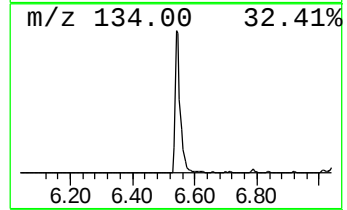
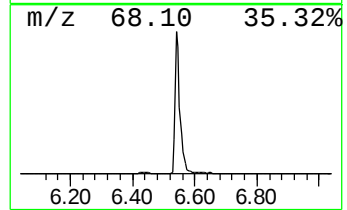
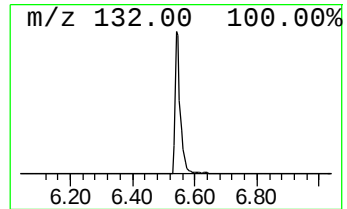
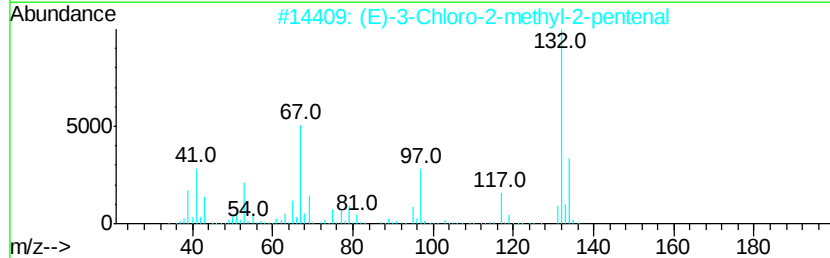
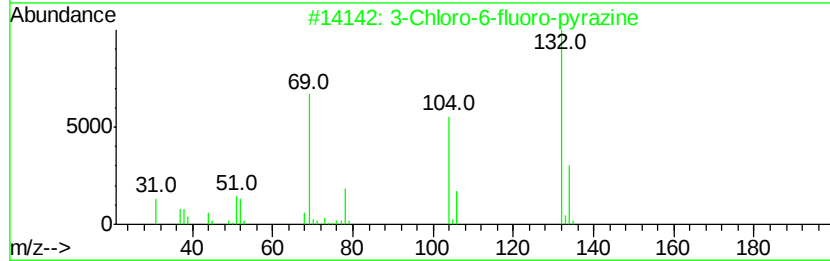
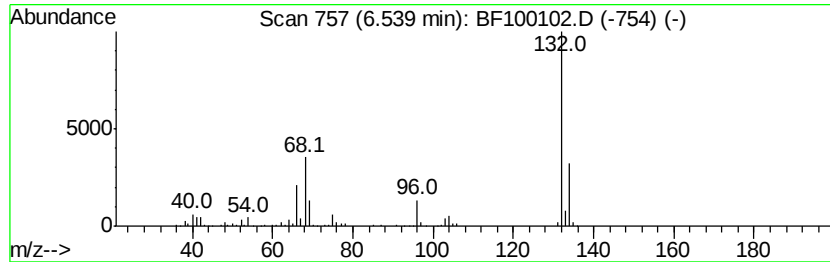
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown6.54 Concentration Rank 2

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.54 | 29.64 ng | 653454 | 1,4-Dichlorobenzene-d4 | 6.77 |

| Hit# | of | Tentative ID                     | MW  | MolForm   | CAS#         | Qual |
|------|----|----------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine       | 132 | C4H2ClFN2 | 1000146-10-7 | 38   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO   | 031357-76-3  | 35   |
| 3    |    | Tranvlcypropine-propionyl        | 189 | C12H15NO  | 1000123-86-3 | 12   |
| 4    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 5    |    | 1H-Indazole, 7-methyl-           | 132 | C8H8N2    | 1000316-00-7 | 10   |



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ClientSampleId :  
MW-02

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

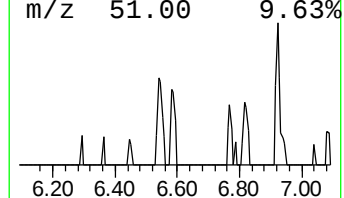
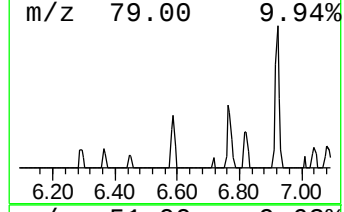
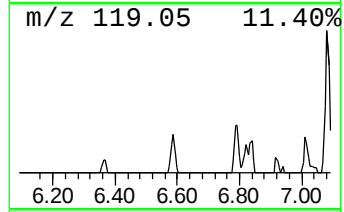
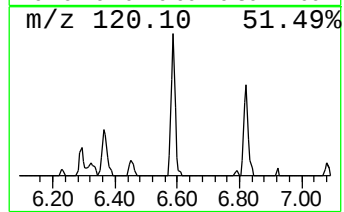
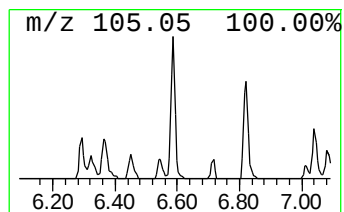
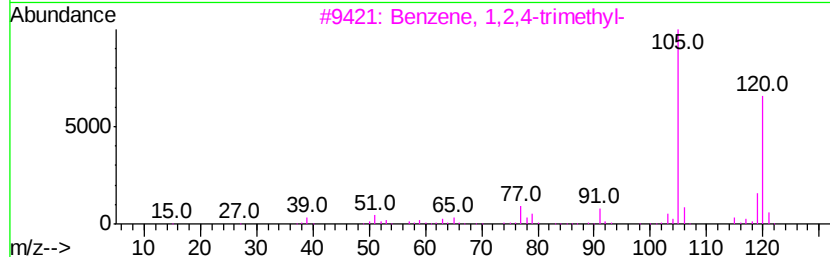
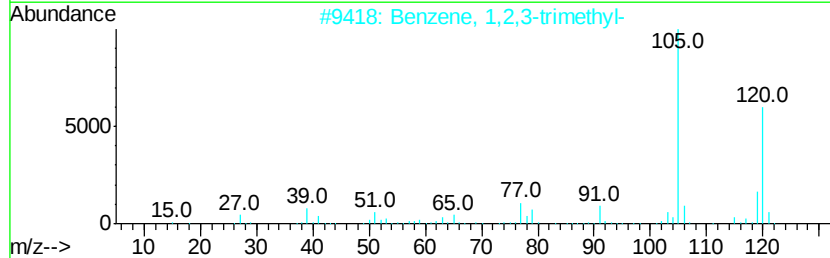
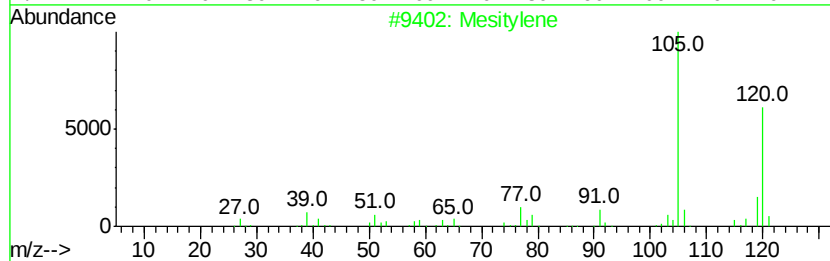
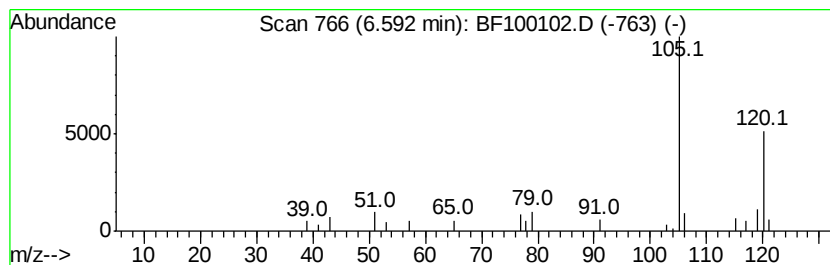
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 Mesitylene Concentration Rank 10

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 6.59 | 2.62 ng | 57779 | 1,4-Dichlorobenzene-d4 | 6.77 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 95   |
| 2    |    | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 95   |
| 3    |    | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |
| 4    |    | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |
| 5    |    | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 90   |



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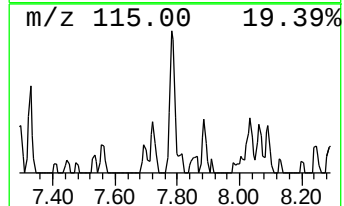
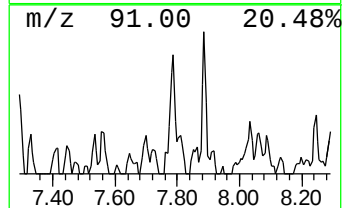
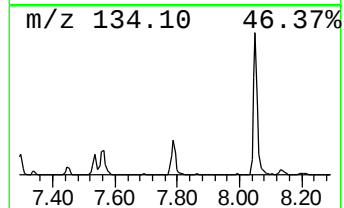
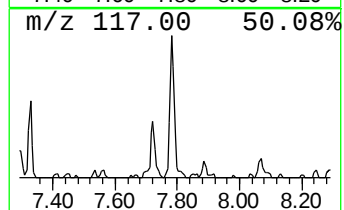
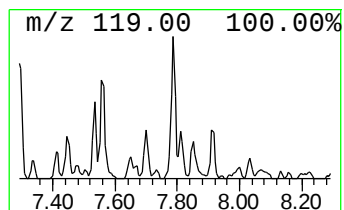
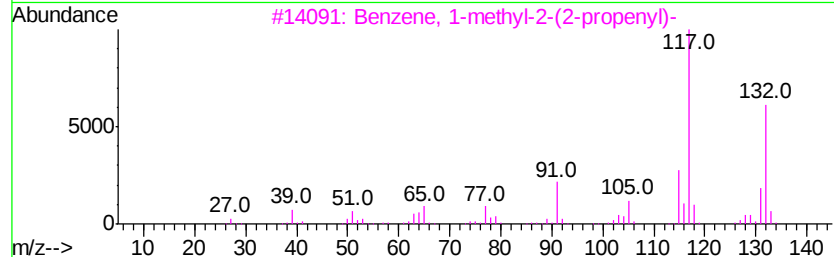
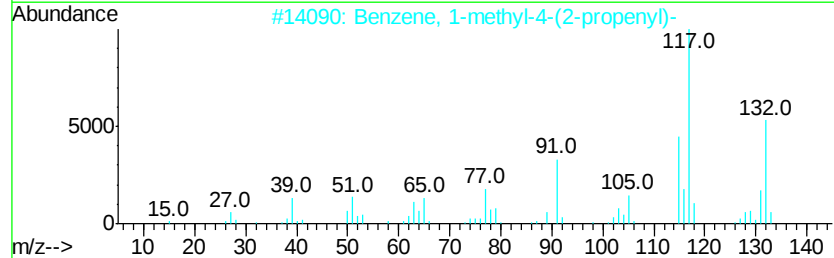
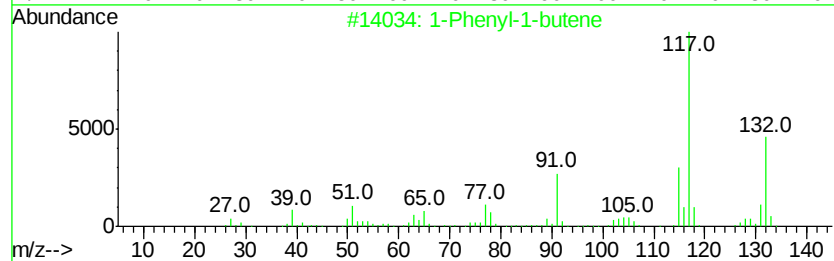
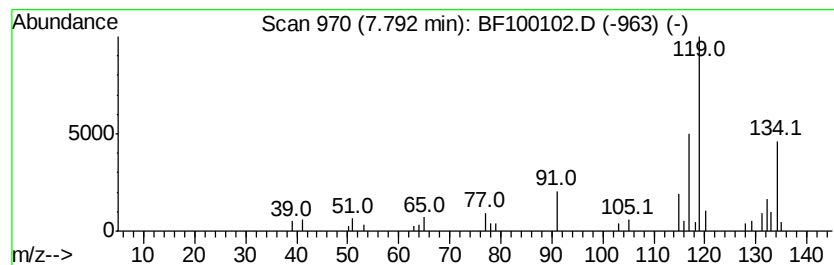
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TIC Integration Parameters: LSCINT.P

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Peak Number 5 1-Phenyl-1-butene Concentration Rank 7

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 7.79 | 3.18 ng | 104363 | Naphthalene-d8   | 8.05 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 1-Phenyl-1-butene                   | 132 | C10H12  | 000824-90-8 | 86   |
| 2    |    | Benzene, 1-methyl-4-(2-propenyl)-   | 132 | C10H12  | 003333-13-9 | 64   |
| 3    |    | Benzene, 1-methyl-2-(2-propenyl)-   | 132 | C10H12  | 001587-04-8 | 50   |
| 4    |    | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14  | 000535-77-3 | 50   |
| 5    |    | 1H-Indene, 2,3-dihydro-5-methyl-    | 132 | C10H12  | 000874-35-1 | 50   |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\  
Data File : BF100102.D  
Acq On : 2 Nov 2017 23:06  
Operator : SJ/JU  
Sample : I6207-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-02

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

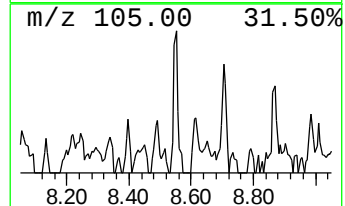
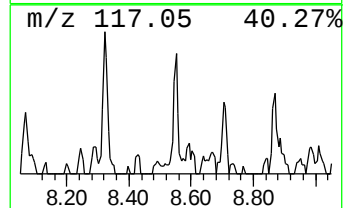
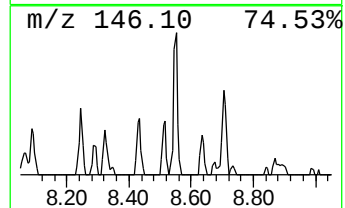
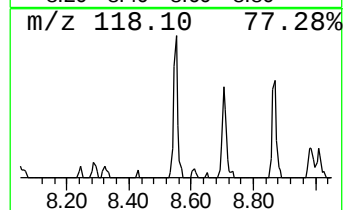
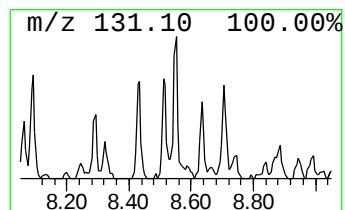
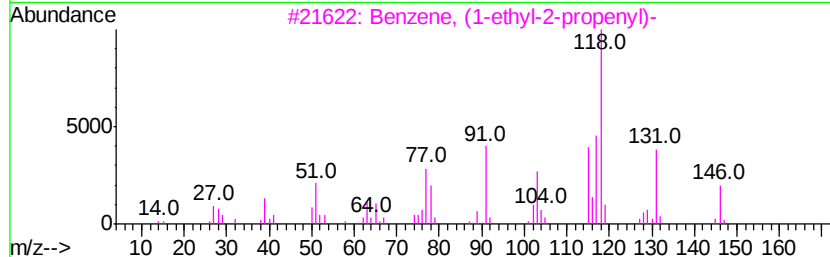
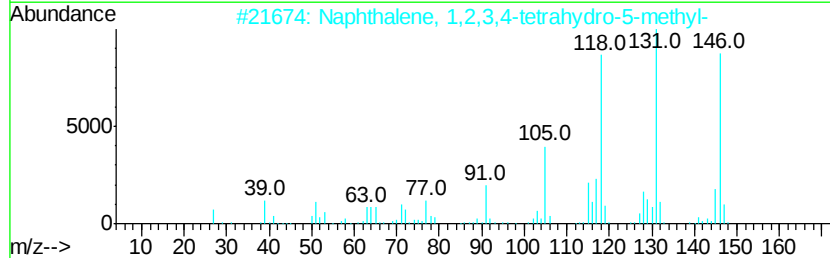
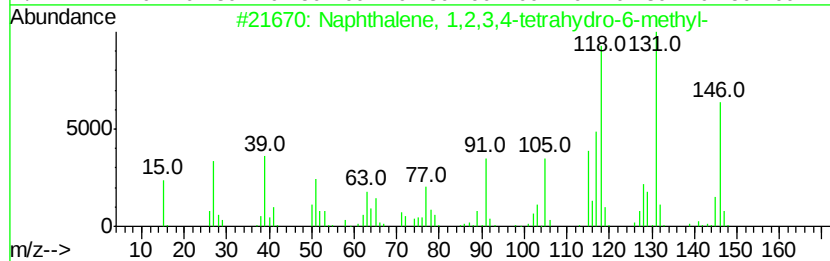
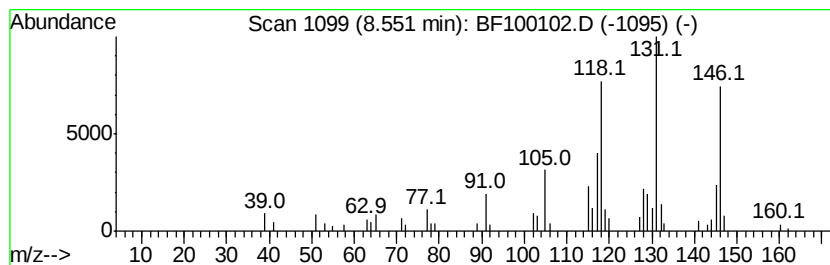
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TIC Integration Parameters: LSCINT.P

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Peak Number 6 Naphthalene, 1,2,3,4-tetra... Concentration Rank 11

| R.T. | EstConc | Area  | Relative to ISTD | R.T. |
|------|---------|-------|------------------|------|
| 8.55 | 2.31 ng | 75878 | Naphthalene-d8   | 8.05 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 001680-51-9 | 94   |
| 2    |    | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14   | 002809-64-5 | 94   |
| 3    |    | Benzene, (1-ethyl-2-propenyl)-      | 146 | C11H14   | 019947-22-9 | 83   |
| 4    |    | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 | C8H11BN2 | 074663-81-3 | 81   |
| 5    |    | 1H-Inden-1-one, 2,3-dihydro-2-me... | 146 | C10H10O  | 017496-14-9 | 64   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110217\  
Data File : BF100102.D  
Acq On : 2 Nov 2017 23:06  
Operator : SJ/JU  
Sample : I6207-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-02

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

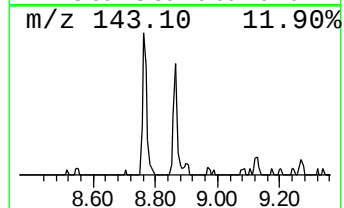
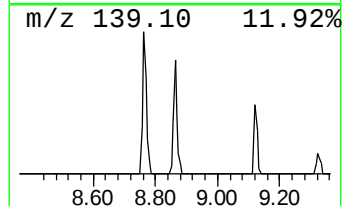
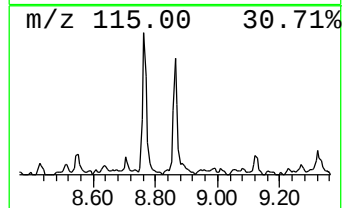
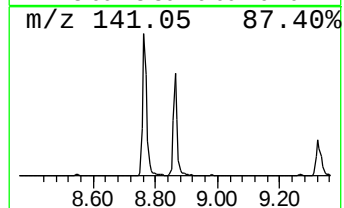
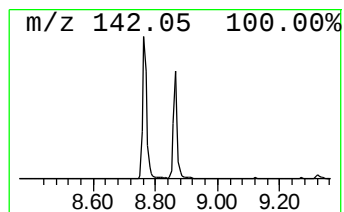
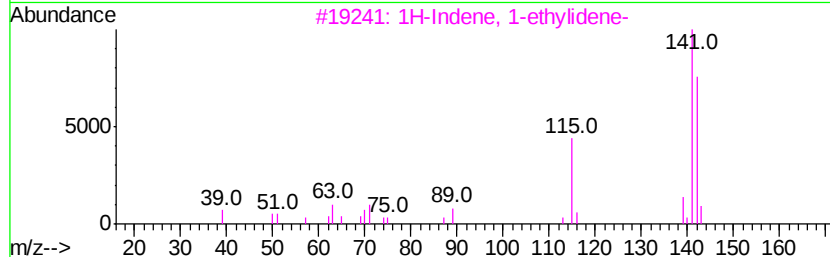
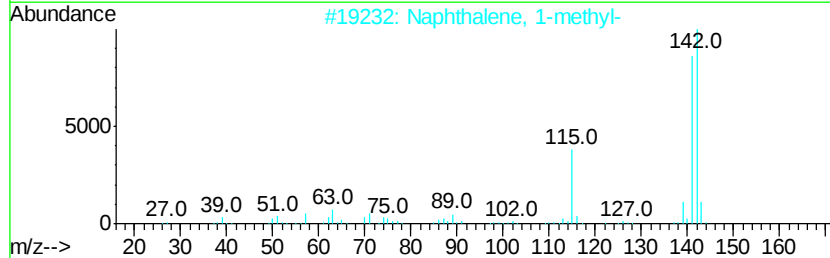
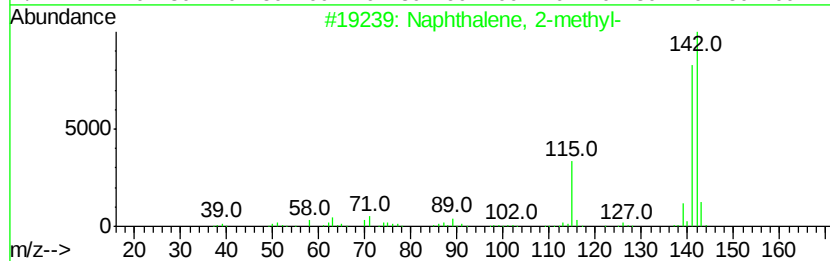
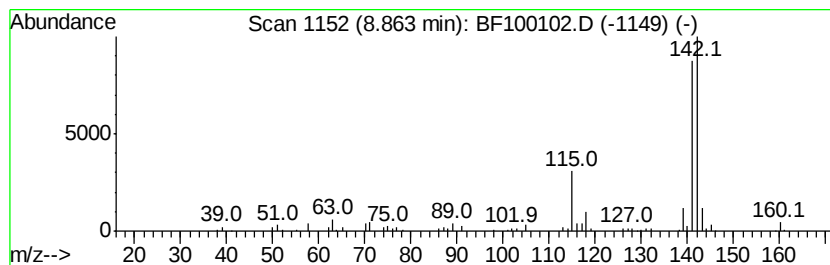
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Naphthalene, 2-methyl- Concentration Rank 4

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 8.86 | 4.88 ng | 159918 | Naphthalene-d8   | 8.05 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10  | 000090-12-0 | 95   |
| 3    |    |   | 1H-Indene, 1-ethylidene-            | 142 | C11H10  | 002471-83-2 | 93   |
| 4    |    |   | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10  | 002443-46-1 | 93   |
| 5    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10  | 004453-90-1 | 90   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110217\  
Data File : BF100102.D  
Acq On : 2 Nov 2017 23:06  
Operator : SJ/JU  
Sample : I6207-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

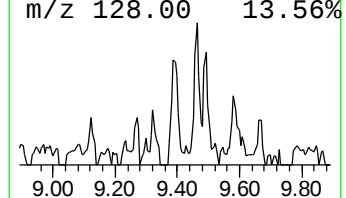
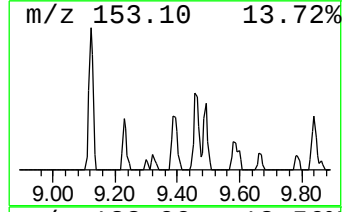
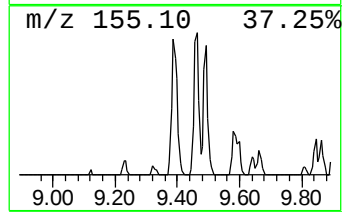
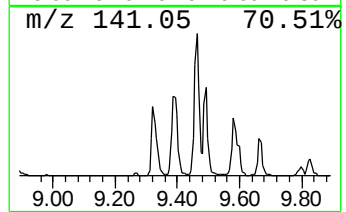
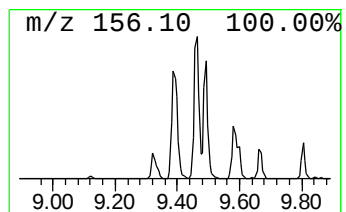
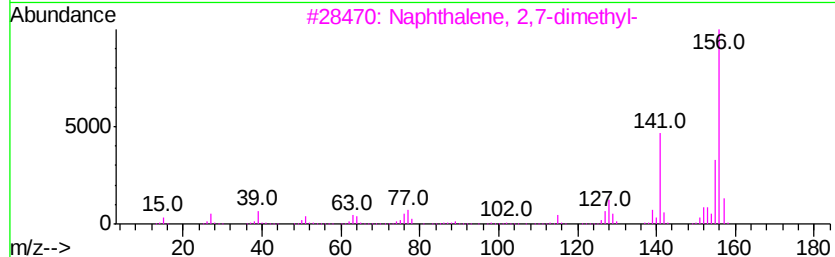
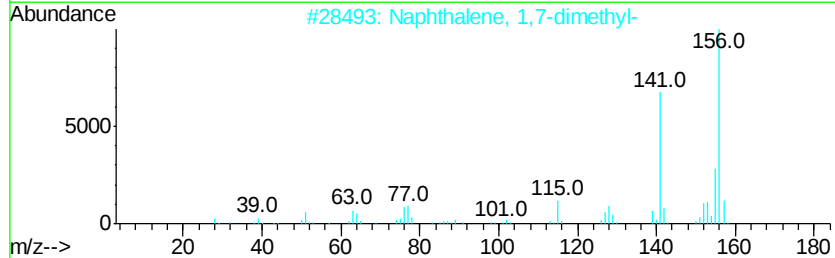
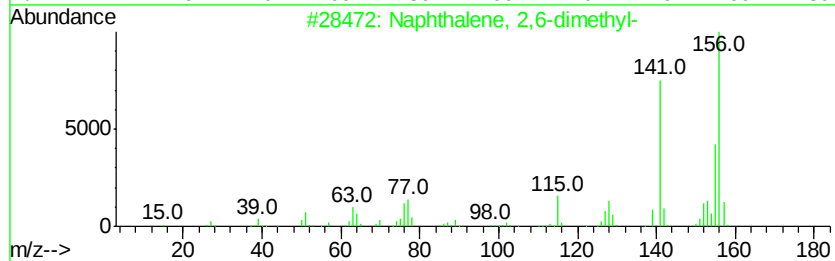
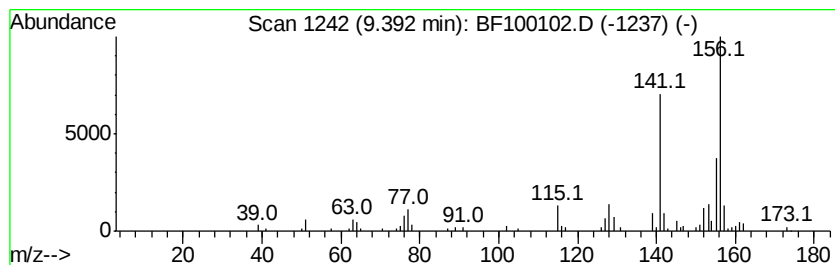
Instrument :  
BNA\_F  
ClientSampleId :  
MW-02

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 5

| R.T.      | EstConc                    | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------------|--------|------------------|-------------|------|
| 9.39      | 4.77 ng                    | 157888 | Acenaphthene-d10 | 9.80        |      |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#        | Qual |
| 1         | Naphthalene, 2,6-dimethyl- | 156    | C12H12           | 000581-42-0 | 98   |
| 2         | Naphthalene, 1,7-dimethyl- | 156    | C12H12           | 000575-37-1 | 97   |
| 3         | Naphthalene, 2,7-dimethyl- | 156    | C12H12           | 000582-16-1 | 97   |
| 4         | Naphthalene, 2,3-dimethyl- | 156    | C12H12           | 000581-40-8 | 96   |
| 5         | Naphthalene, 1,6-dimethyl- | 156    | C12H12           | 000575-43-9 | 96   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110217\  
Data File : BF100102.D  
Acq On : 2 Nov 2017 23:06  
Operator : SJ/JU  
Sample : I6207-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-02

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

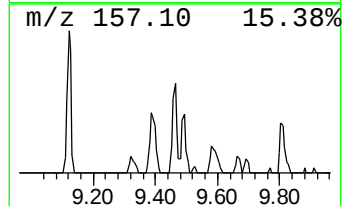
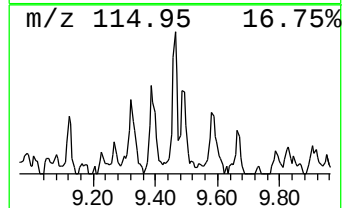
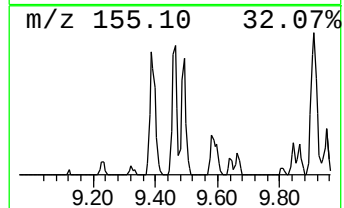
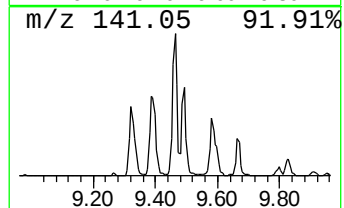
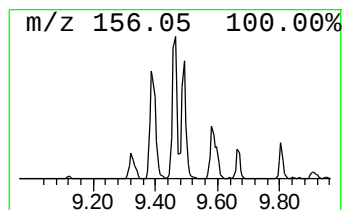
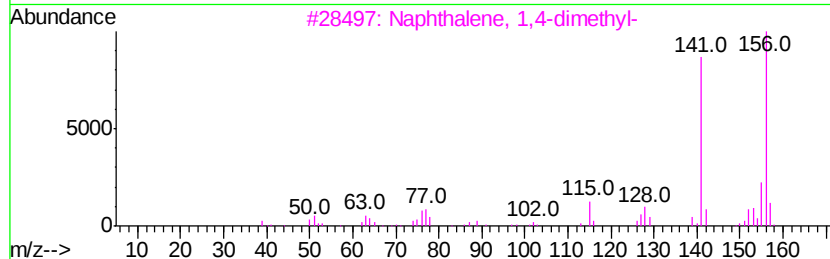
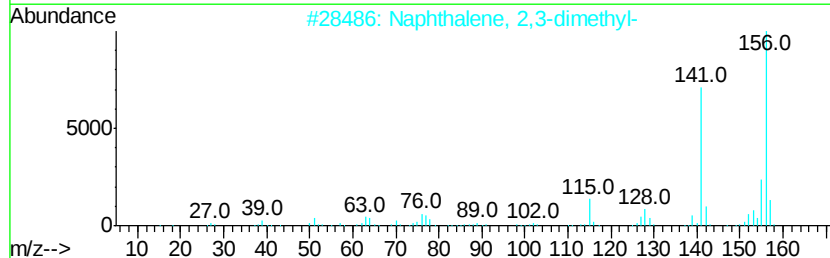
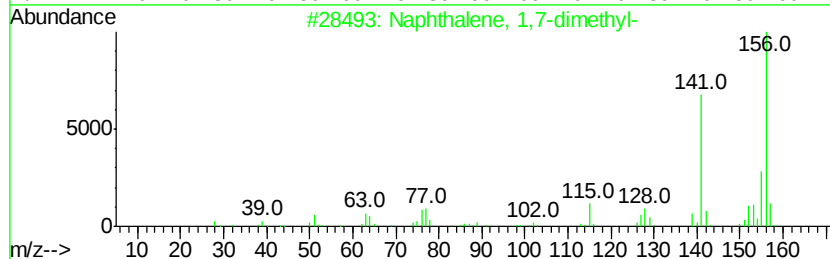
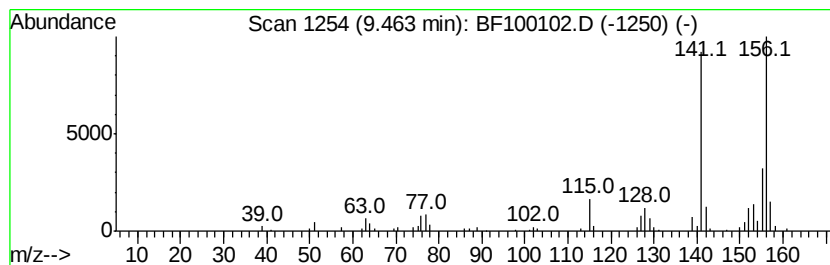
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Naphthalene, 1,7-dimethyl- Concentration Rank 3

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.46 | 4.90 ng | 162245 | Acenaphthene-d10 | 9.80 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 97   |
| 2    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 3    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 97   |
| 4    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 97   |
| 5    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\  
Data File : BF100102.D  
Acq On : 2 Nov 2017 23:06  
Operator : SJ/JU  
Sample : I6207-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-02

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

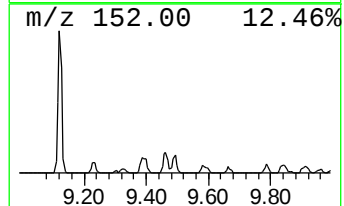
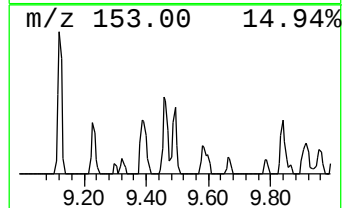
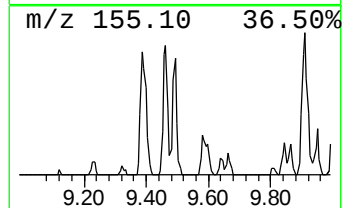
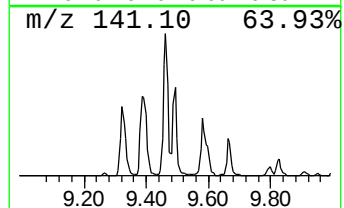
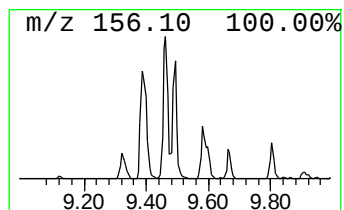
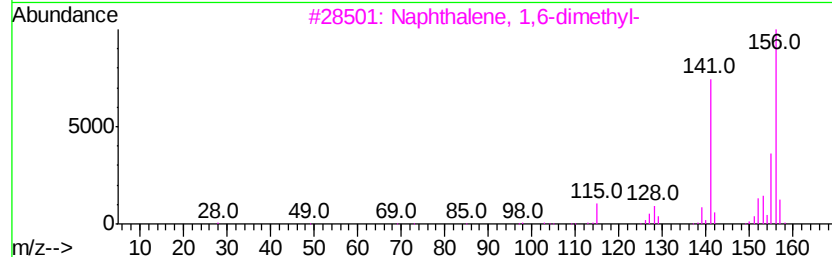
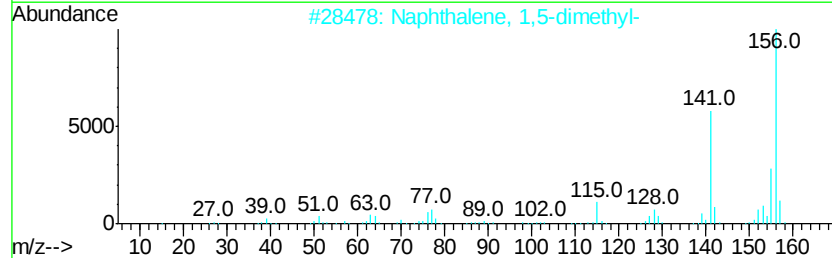
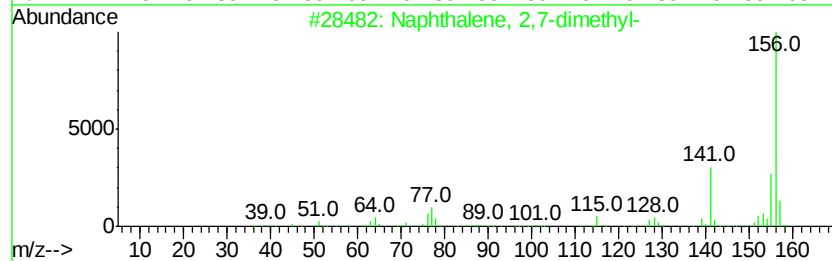
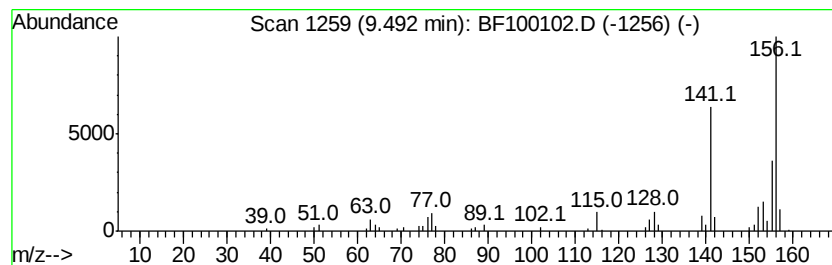
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Naphthalene, 2,7-dimethyl- Concentration Rank 8

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.49 | 3.18 ng | 105183 | Acenaphthene-d10 | 9.80 |

| Hit# | of | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 2    |    | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 97   |
| 3    |    | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 96   |
| 4    |    | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 95   |
| 5    |    | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 95   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF110217\  
Data File : BF100102.D  
Acq On : 2 Nov 2017 23:06  
Operator : SJ/JU  
Sample : I6207-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-02

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

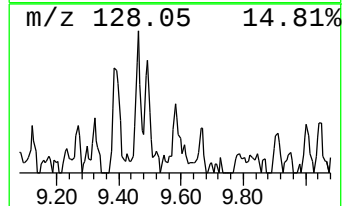
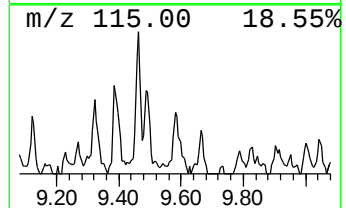
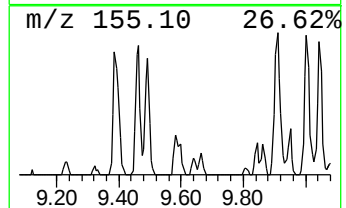
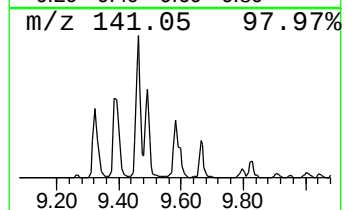
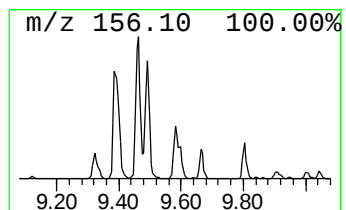
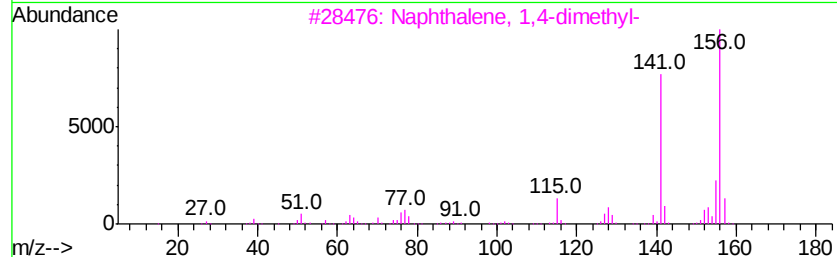
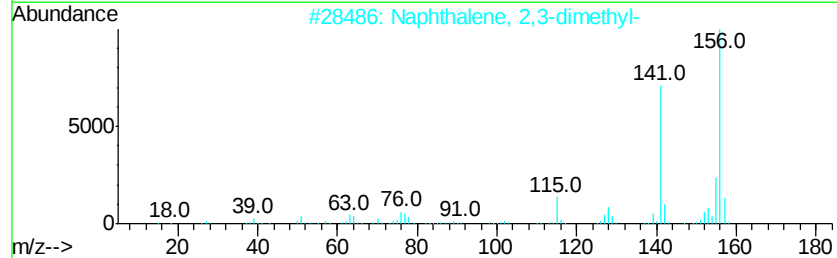
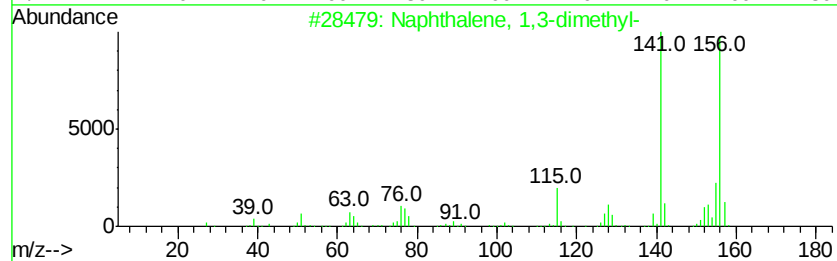
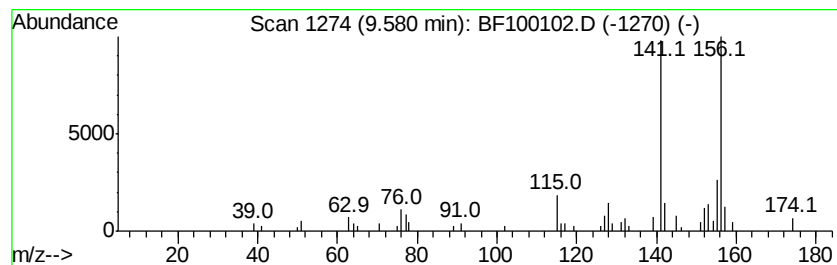
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 11 Naphthalene, 1,3-dimethyl- Concentration Rank 9

| R.T. | EstConc | Area  | Relative to ISTD | R.T. |
|------|---------|-------|------------------|------|
| 9.58 | 2.82 ng | 93402 | Acenaphthene-d10 | 9.80 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |
| 2    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 96   |
| 3    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 96   |
| 4    |    |   | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 95   |
| 5    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 95   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF110217\  
Data File : BF100102.D  
Acq On : 2 Nov 2017 23:06  
Operator : SJ/JU  
Sample : I6207-02  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-02

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF102317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT   | EstConc | Units | Response | --Internal Standard-- |      |        |      |
|----------------------|------|---------|-------|----------|-----------------------|------|--------|------|
|                      |      |         |       |          | #                     | RT   | Resp   | Conc |
| 2-Pentanone, 4-hy... | 4.99 | 3.6     | ng    | 79730    | 1                     | 6.77 | 440976 | 20.0 |
| unknown6.54          | 6.54 | 29.6    | ng    | 653454   | 1                     | 6.77 | 440976 | 20.0 |
| Mesitylene           | 6.59 | 2.6     | ng    | 57779    | 1                     | 6.77 | 440976 | 20.0 |
| 1-Phenyl-1-butene    | 7.79 | 3.2     | ng    | 104363   | 2                     | 8.05 | 655939 | 20.0 |
| Naphthalene, 1,2,... | 8.55 | 2.3     | ng    | 75878    | 2                     | 8.05 | 655939 | 20.0 |
| Naphthalene, 2-me... | 8.86 | 4.9     | ng    | 159918   | 2                     | 8.05 | 655939 | 20.0 |
| Naphthalene, 2,6-... | 9.39 | 4.8     | ng    | 157888   | 3                     | 9.80 | 662265 | 20.0 |
| Naphthalene, 1,7-... | 9.46 | 4.9     | ng    | 162245   | 3                     | 9.80 | 662265 | 20.0 |
| Naphthalene, 2,7-... | 9.49 | 3.2     | ng    | 105183   | 3                     | 9.80 | 662265 | 20.0 |
| Naphthalene, 1,3-... | 9.58 | 2.8     | ng    | 93402    | 3                     | 9.80 | 662265 | 20.0 |