

Data Path : U:\HPCHEM1\BNA F\DATA\BF020318\  
 Data File : BF102721.D  
 Acq On : 3 Feb 2018 17:09  
 Operator : SJ/JU  
 Sample : J1431-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 132-1-PH-2

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.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         | 2.146       | 4             | 10          | 16           | rVB      | 353468         | 449872        | 10.58%          | 1.040%        |
| 2         | 5.104       | 510           | 513         | 521          | rVB      | 119320         | 150789        | 3.55%           | 0.349%        |
| 3         | 5.493       | 573           | 579         | 582          | rBV      | 4237888        | 4252878       | 100.00%         | 9.830%        |
| 4         | 6.498       | 744           | 750         | 753          | rBV      | 3743379        | 4137611       | 97.29%          | 9.564%        |
| 5         | 6.645       | 770           | 775         | 779          | rBV      | 4086390        | 4212490       | 99.05%          | 9.737%        |
| 6         | 6.881       | 811           | 815         | 818          | rBV      | 1328741        | 1088193       | 25.59%          | 2.515%        |
| 7         | 7.040       | 837           | 842         | 845          | rVB      | 3430439        | 3236322       | 76.10%          | 7.481%        |
| 8         | 7.440       | 905           | 910         | 913          | rBV      | 2725716        | 2684741       | 63.13%          | 6.206%        |
| 9         | 8.163       | 1029          | 1033        | 1036         | rVB      | 1735682        | 1430041       | 33.63%          | 3.305%        |
| 10        | 8.963       | 1165          | 1169        | 1172         | rBV3     | 71843          | 104033        | 2.45%           | 0.240%        |
| 11        | 9.045       | 1178          | 1183        | 1185         | rBV4     | 62613          | 106492        | 2.50%           | 0.246%        |
| 12        | 9.081       | 1185          | 1189        | 1193         | rVV7     | 68259          | 141152        | 3.32%           | 0.326%        |
| 13        | 9.181       | 1203          | 1206        | 1208         | rBV2     | 229907         | 199438        | 4.69%           | 0.461%        |
| 14        | 9.239       | 1211          | 1216        | 1219         | rVV      | 4668899        | 4150645       | 97.60%          | 9.594%        |
| 15        | 9.316       | 1226          | 1229        | 1234         | rBV2     | 236953         | 287348        | 6.76%           | 0.664%        |
| 16        | 9.434       | 1247          | 1249        | 1251         | rVB3     | 137695         | 102190        | 2.40%           | 0.236%        |
| 17        | 9.486       | 1251          | 1258        | 1259         | rBV5     | 201411         | 416940        | 9.80%           | 0.964%        |
| 18        | 9.510       | 1260          | 1262        | 1264         | rBV2     | 146888         | 148567        | 3.49%           | 0.343%        |
| 19        | 9.592       | 1274          | 1276        | 1279         | rVB4     | 175353         | 174275        | 4.10%           | 0.403%        |
| 20        | 9.628       | 1279          | 1282        | 1286         | rBV2     | 1242534        | 1604568       | 37.73%          | 3.709%        |
| 21        | 9.663       | 1286          | 1288        | 1290         | rVV2     | 211996         | 181337        | 4.26%           | 0.419%        |
| 22        | 9.786       | 1306          | 1309        | 1311         | rBV2     | 821471         | 880153        | 20.70%          | 2.034%        |
| 23        | 9.833       | 1311          | 1317        | 1320         | rVV      | 1378274        | 1579044       | 37.13%          | 3.650%        |
| 24        | 9.869       | 1321          | 1323        | 1325         | rBV2     | 312627         | 311321        | 7.32%           | 0.720%        |
| 25        | 9.916       | 1325          | 1331        | 1334         | rVV4     | 1366997        | 2157718       | 50.74%          | 4.987%        |
| 26        | 9.957       | 1336          | 1338        | 1341         | rBV2     | 594538         | 700519        | 16.47%          | 1.619%        |
| 27        | 10.028      | 1348          | 1350        | 1353         | rBV3     | 415560         | 386730        | 9.09%           | 0.894%        |
| 28        | 10.181      | 1373          | 1376        | 1379         | rBV2     | 1024060        | 1209678       | 28.44%          | 2.796%        |
| 29        | 10.239      | 1384          | 1386        | 1388         | rBV2     | 582776         | 598748        | 14.08%          | 1.384%        |
| 30        | 10.333      | 1399          | 1402        | 1406         | rBV2     | 1853793        | 1898770       | 44.65%          | 4.389%        |
| 31        | 10.851      | 1486          | 1490        | 1497         | rBV2     | 1795153        | 3575972       | 84.08%          | 8.266%        |
| 32        | 15.527      | 2282          | 2285        | 2289         | rVB      | 629707         | 704499        | 16.57%          | 1.628%        |

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Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

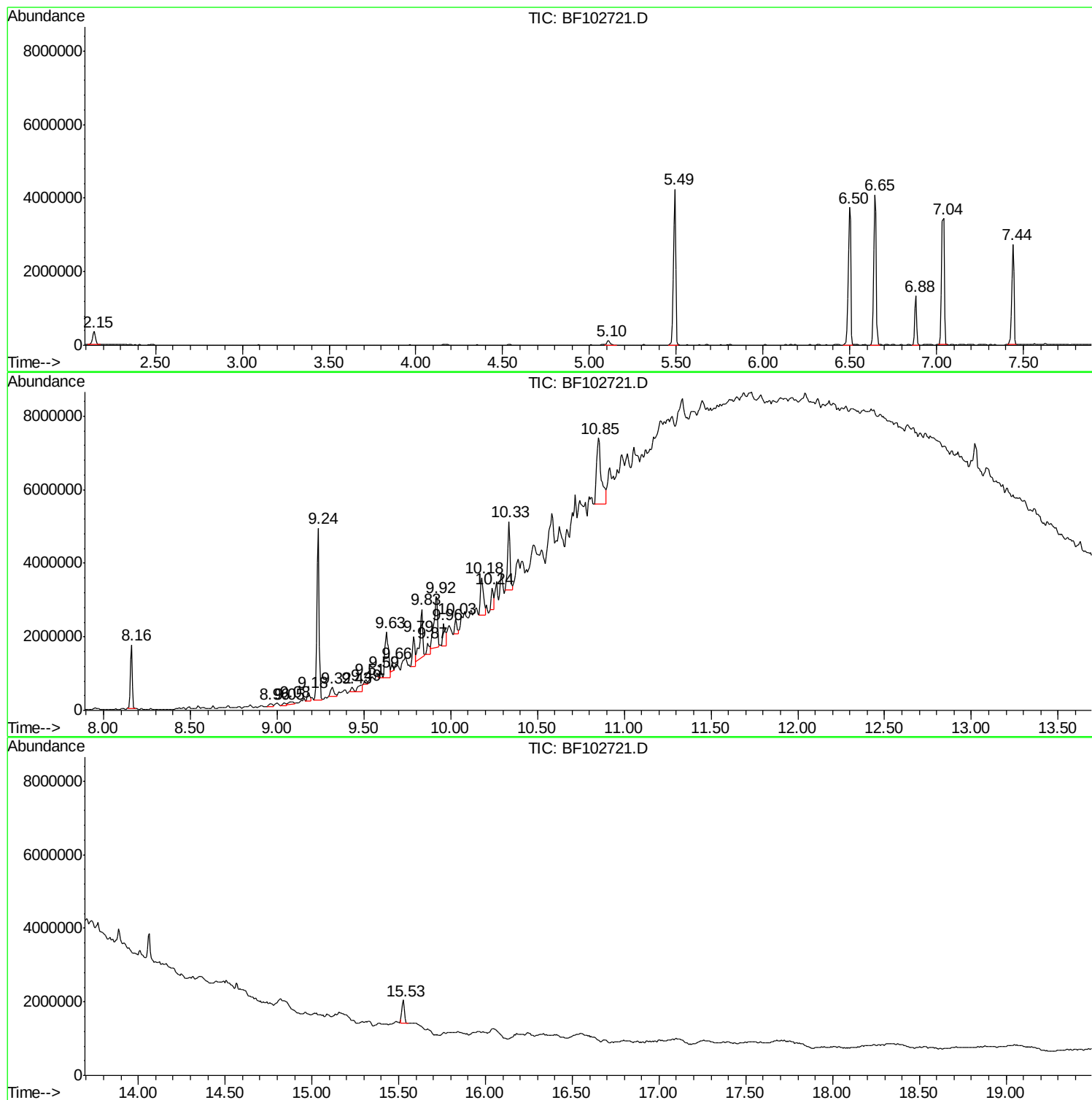
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

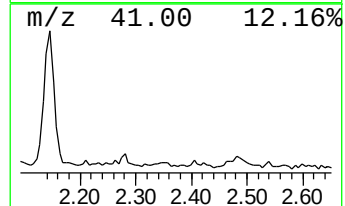
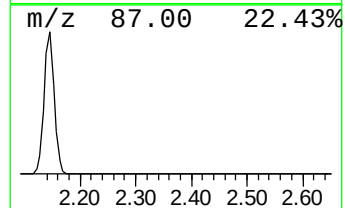
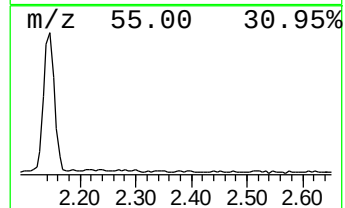
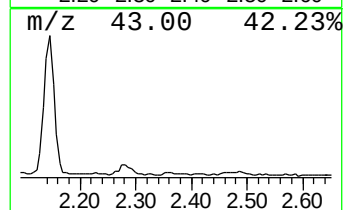
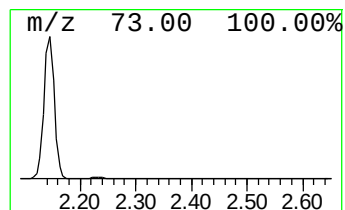
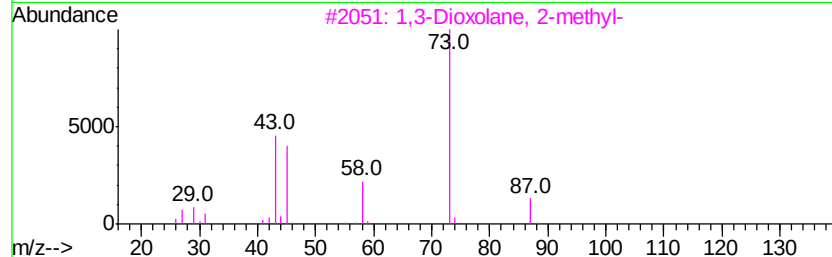
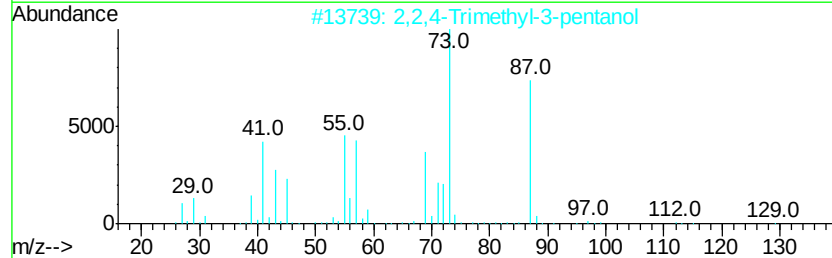
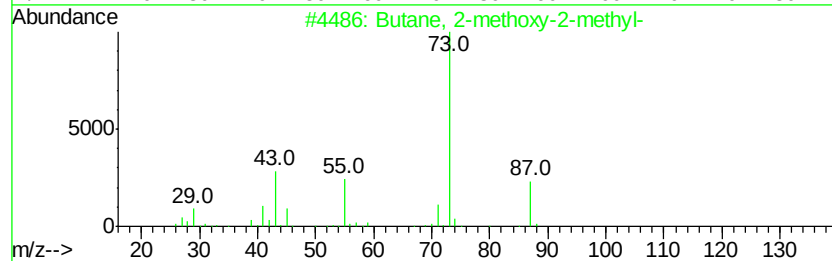
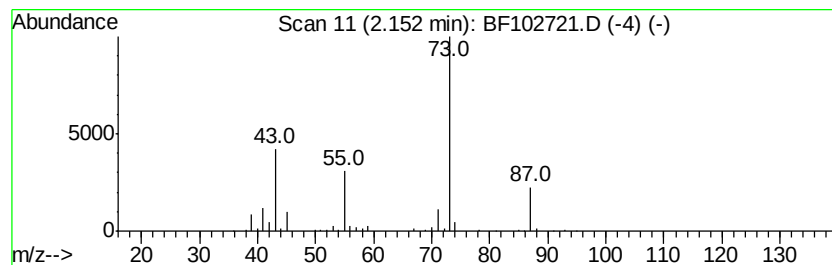
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 2.15 | 8.27 ng | 449872 | 1,4-Dichlorobenzene-d4 | 6.88 |

| Hit# | of | Tentative ID                       | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl-        | 102 | C6H14O  | 000994-05-8 | 83   |
| 2    |    | 2,2,4-Trimethyl-3-pentanol         | 130 | C8H18O  | 005162-48-1 | 39   |
| 3    |    | 1,3-Dioxolane, 2-methyl-           | 88  | C4H8O2  | 000497-26-7 | 37   |
| 4    |    | Butanoic acid, 2-hydroxy-2-methyl- | 132 | C6H12O3 | 032793-34-3 | 28   |
| 5    |    | 2,5-Dimethyl-4-hydroxy-3-hexanone  | 144 | C8H16O2 | 000815-77-0 | 28   |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

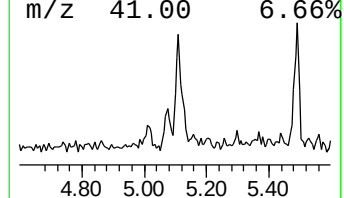
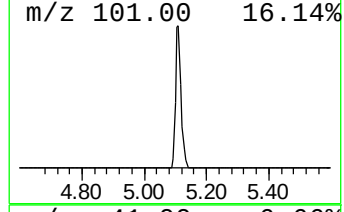
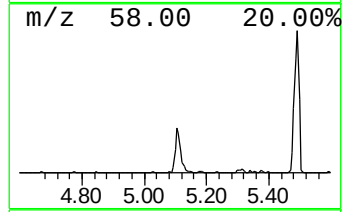
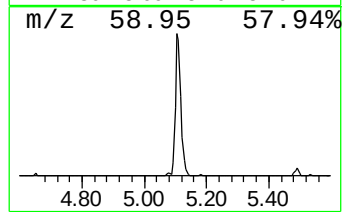
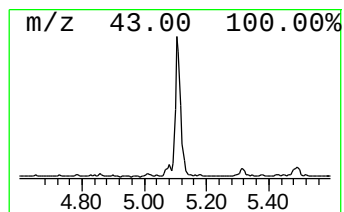
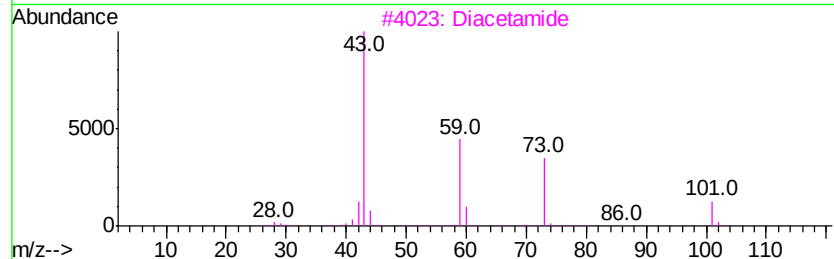
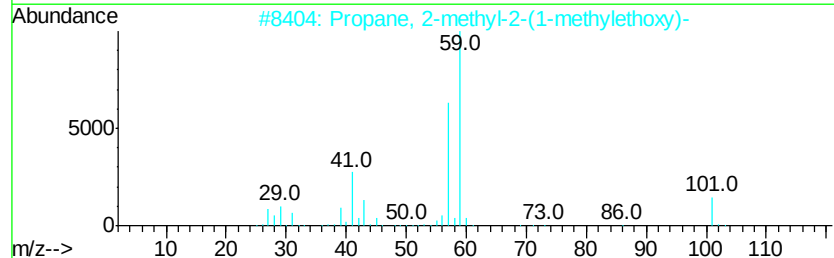
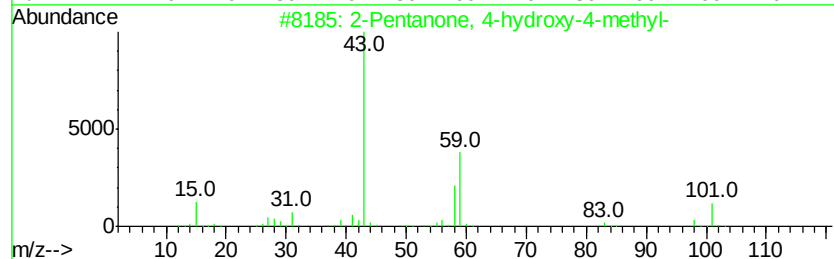
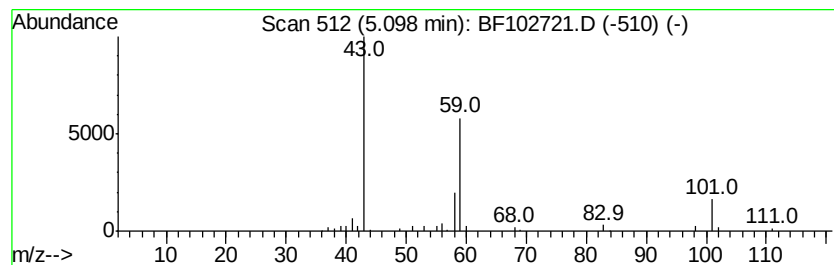
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.10 | 2.77 ng | 150789 | 1,4-Dichlorobenzene-d4 | 6.88 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2 | 000123-42-2 | 50   |
| 2    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O  | 017348-59-3 | 42   |
| 3    |    |   | Diacetamide                         | 101 | C4H7NO2 | 000625-77-4 | 42   |
| 4    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O  | 000625-23-0 | 38   |
| 5    |    |   | 3-Octanol                           | 130 | C8H18O  | 000589-98-0 | 33   |



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Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
132-1-PH-2

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

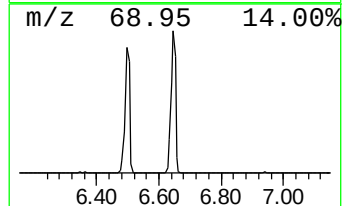
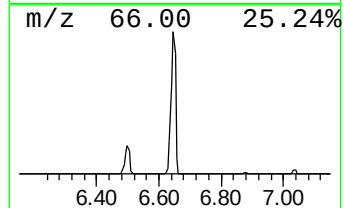
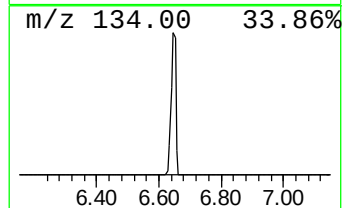
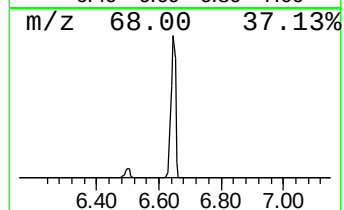
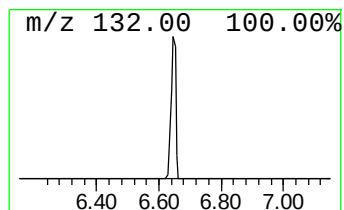
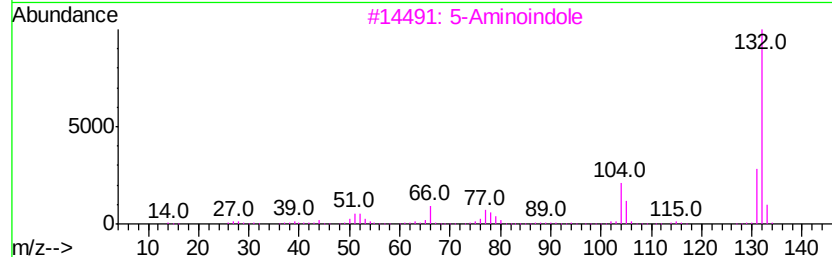
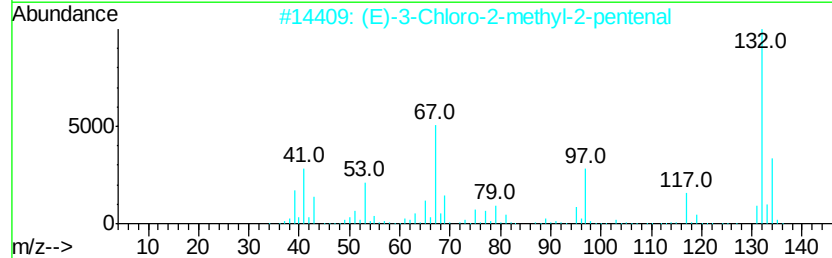
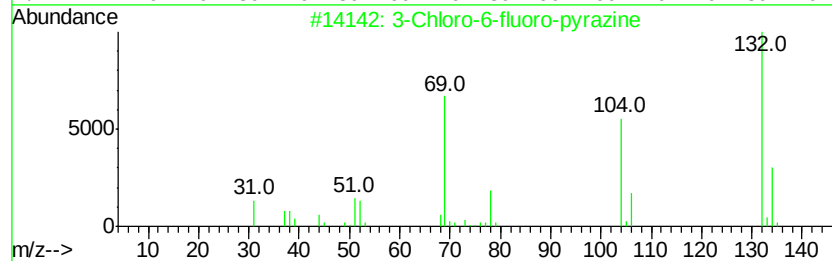
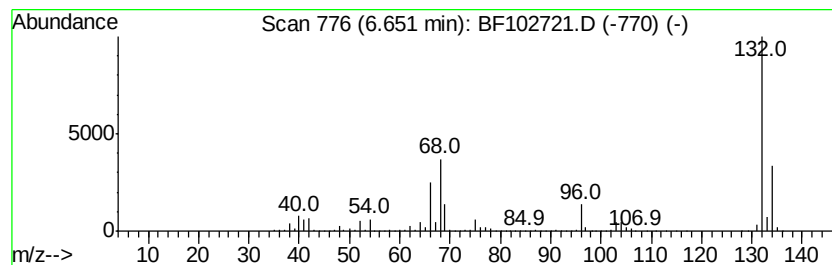
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 unknown6.65 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.65 | 77.42 ng | 4212490 | 1,4-Dichlorobenzene-d4 | 6.88 |

| 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  | 17   |
| 3    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



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Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
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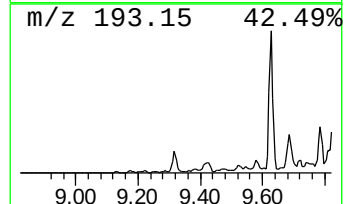
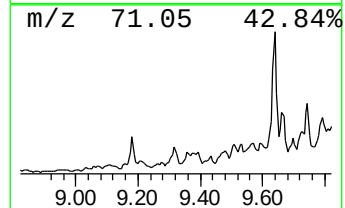
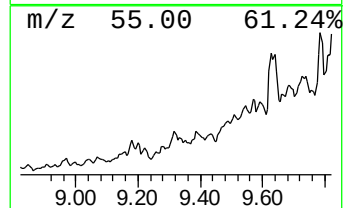
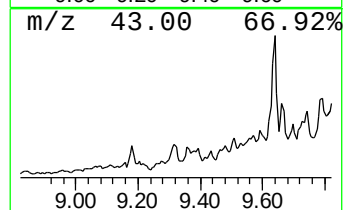
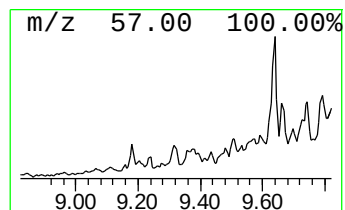
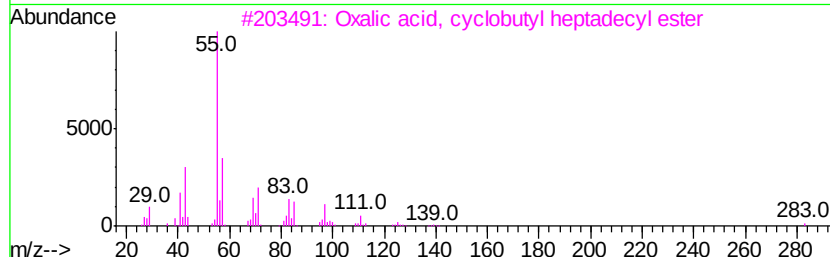
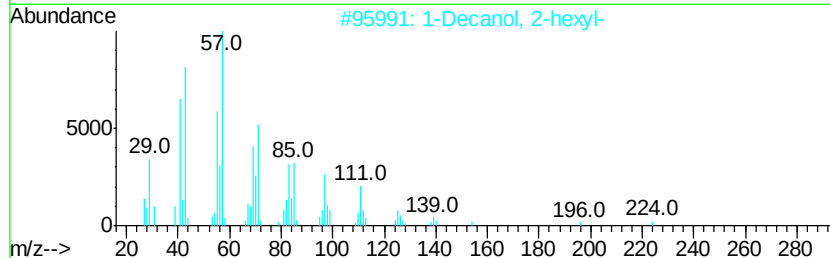
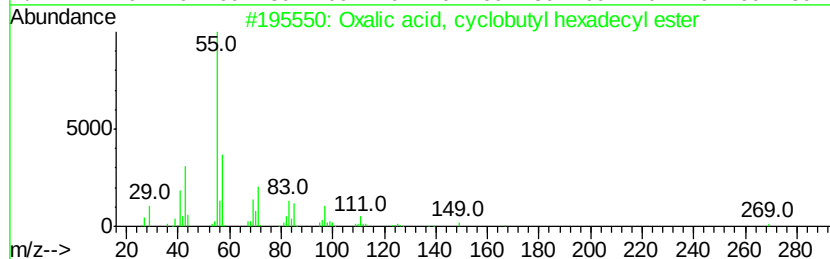
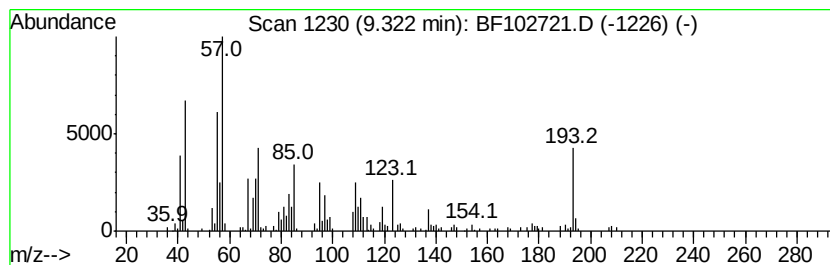
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 unknown9.32 Concentration Rank 14

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.32 | 2.66 ng | 287348 | Acenaphthene-d10 | 9.92 |

| Hit# | of | Tentative ID                             | MW  | MolForm  | CAS#         | Qual |
|------|----|------------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Oxalic acid, cyclobutyl hexadecyl ester  | 368 | C22H40O4 | 1000309-70-6 | 30   |
| 2    |    | 1-Decanol, 2-hexyl-                      | 242 | C16H34O  | 002425-77-6  | 30   |
| 3    |    | Oxalic acid, cyclobutyl heptadecyl ester | 382 | C23H42O4 | 1000309-70-7 | 27   |
| 4    |    | Oxalic acid, cyclobutyl pentadecyl ester | 354 | C21H38O4 | 1000309-70-5 | 27   |
| 5    |    | Oxalic acid, cyclobutyl octadecyl ester  | 396 | C24H44O4 | 1000309-70-8 | 22   |



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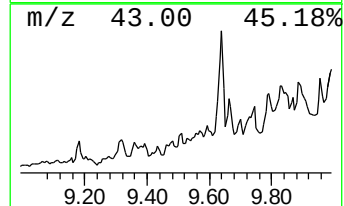
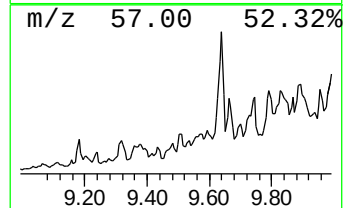
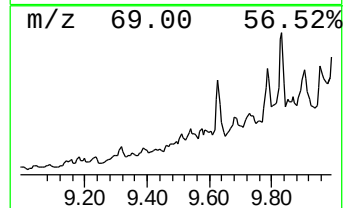
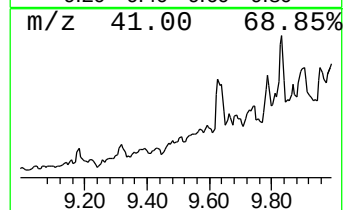
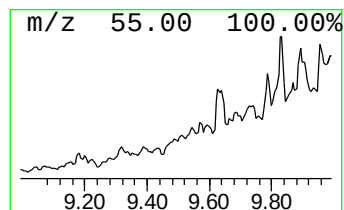
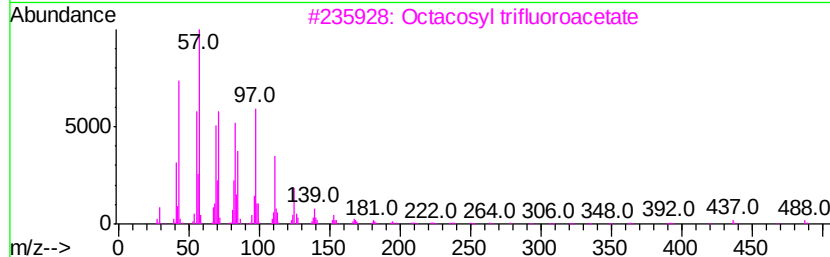
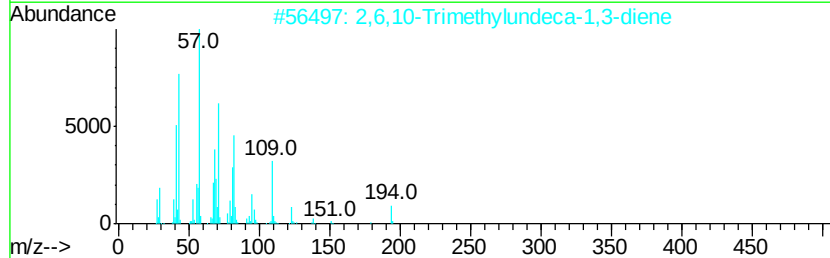
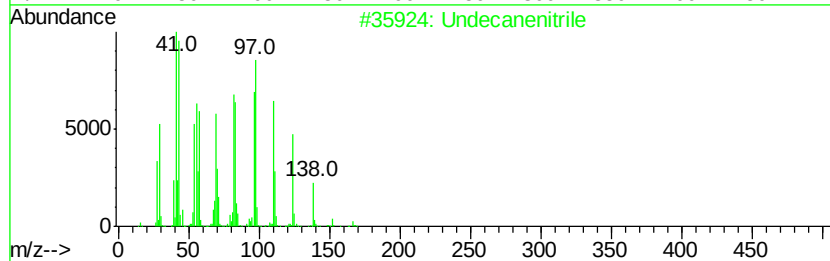
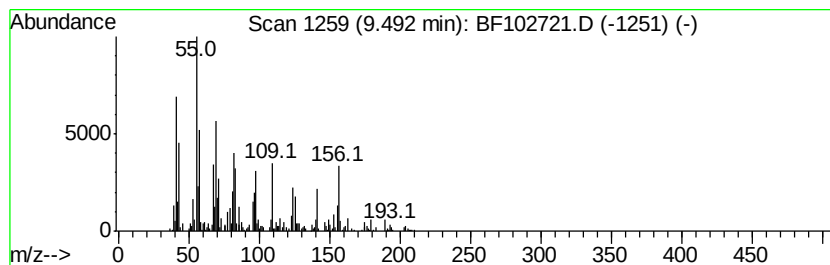
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ClientSampleId :  
132-1-PH-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 6 Undecanenitrile Concentration Rank 10

| R.T.      | EstConc                          | Area   | Relative to ISTD | R.T.         |      |
|-----------|----------------------------------|--------|------------------|--------------|------|
| 9.49      | 3.86 ng                          | 416940 | Acenaphthene-d10 | 9.92         |      |
| Hit# of 5 | Tentative ID                     | MW     | MolForm          | CAS#         | Qual |
| 1         | Undecanenitrile                  | 167    | C11H21N          | 002244-07-7  | 50   |
| 2         | 2,6,10-Trimethylundeca-1,3-diene | 194    | C14H26           | 1000222-09-1 | 50   |
| 3         | Octacosyl trifluoroacetate       | 506    | C30H57F3O2       | 1000351-74-9 | 45   |
| 4         | Dotriacontyl heptafluorobutyrate | 662    | C36H65F7O2       | 1000351-84-2 | 43   |
| 5         | Dotriacontyl trifluoroacetate    | 562    | C34H65F3O2       | 1000351-75-4 | 38   |





Data Path : U:\HPCHEM1\BNA F\DATA\BF020318\  
Data File : BF102721.D  
Acq On : 3 Feb 2018 17:09  
Operator : SJ/JU  
Sample : J1431-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

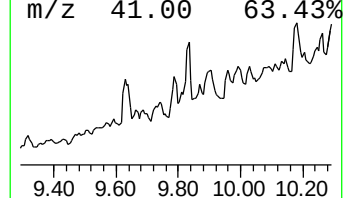
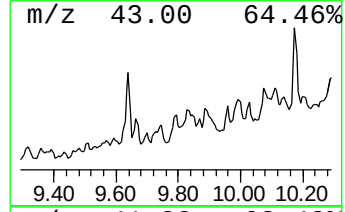
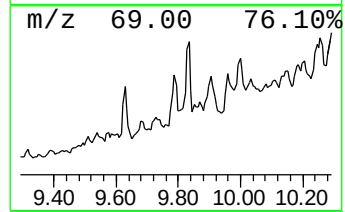
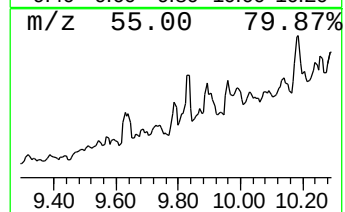
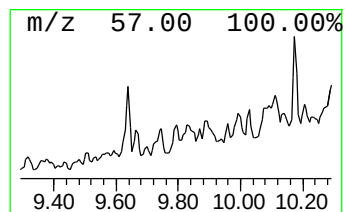
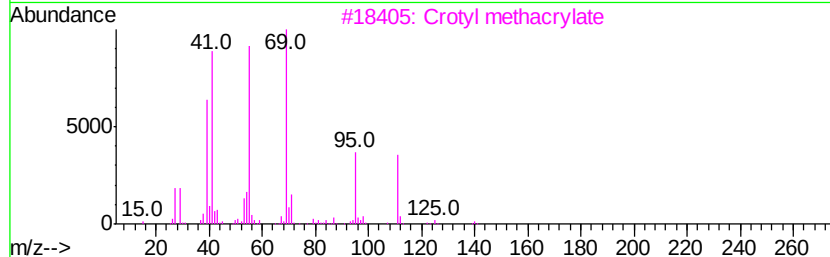
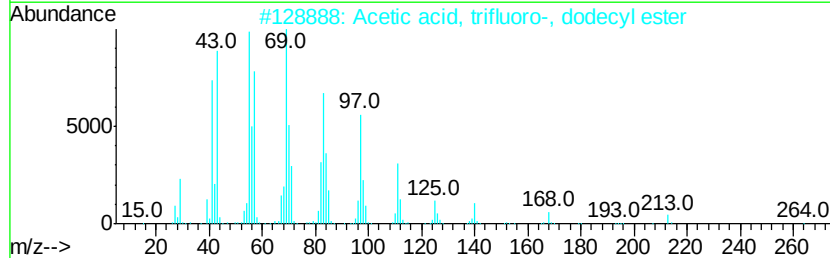
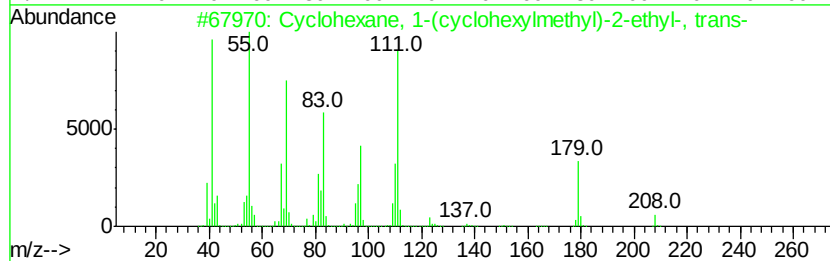
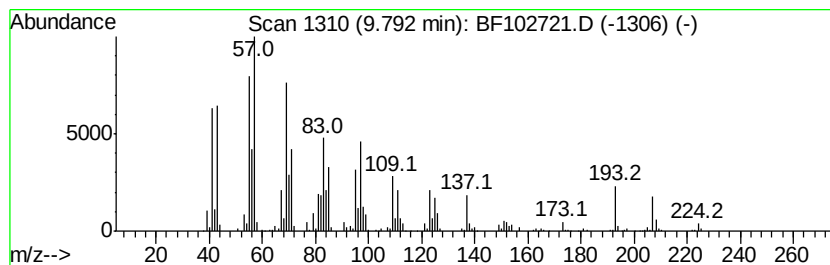
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ClientSampled :  
132-1-PH-2

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.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 unknown9.79 Concentration Rank 8

| R.T.    | EstConc | Area                                 | Relative to ISTD | R.T.           |
|---------|---------|--------------------------------------|------------------|----------------|
| 9.79    | 8.16 ng | 880153                               | Acenaphthene-d10 | 9.92           |
| Hit# of | 5       | Tentative ID                         | MW MolForm       | CAS# Qual      |
| 1       |         | Cyclohexane, 1-(cyclohexylmethyl)... | 208 C15H28       | 054934-92-8 38 |
| 2       |         | Acetic acid, trifluoro-, dodecyl...  | 282 C14H25F3O2   | 006222-00-0 38 |
| 3       |         | Crotyl methacrylate                  | 140 C8H12O2      | 007376-45-6 38 |
| 4       |         | 1-Eicosanol                          | 298 C20H42O      | 000629-96-9 35 |
| 5       |         | 1-Docosene                           | 308 C22H44       | 001599-67-3 35 |



Data Path : U:\HPCHEM1\BNA\_F\DATA\BF020318\  
Data File : BF102721.D  
Acq On : 3 Feb 2018 17:09  
Operator : SJ/JU  
Sample : J1431-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
132-1-PH-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

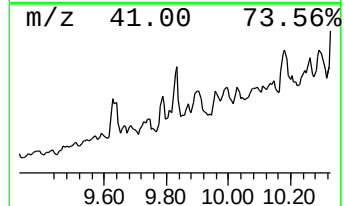
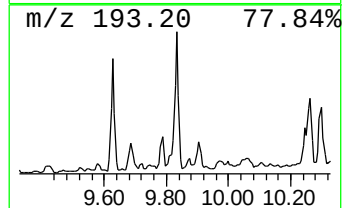
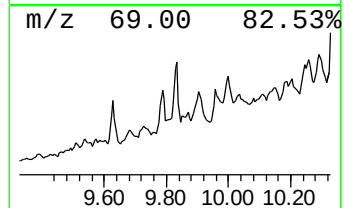
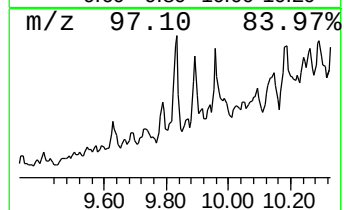
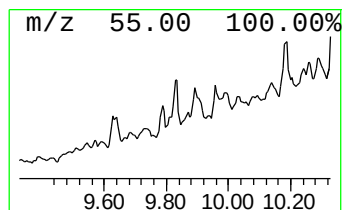
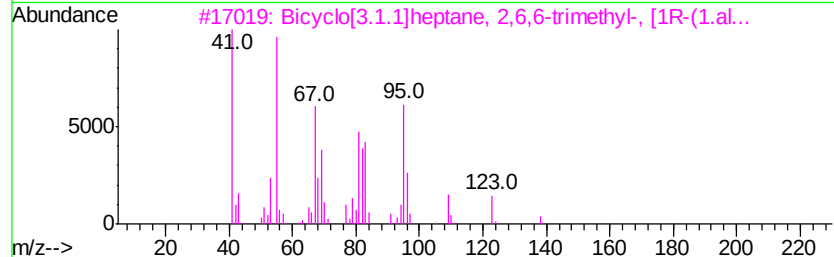
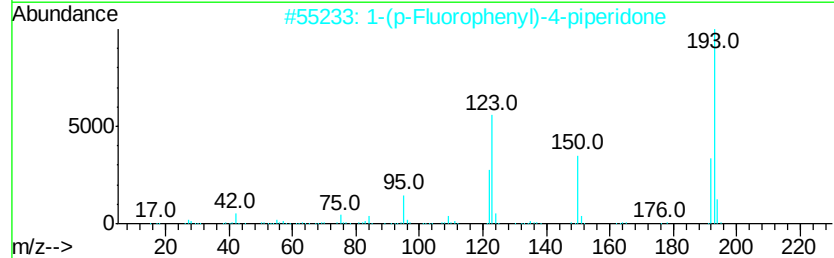
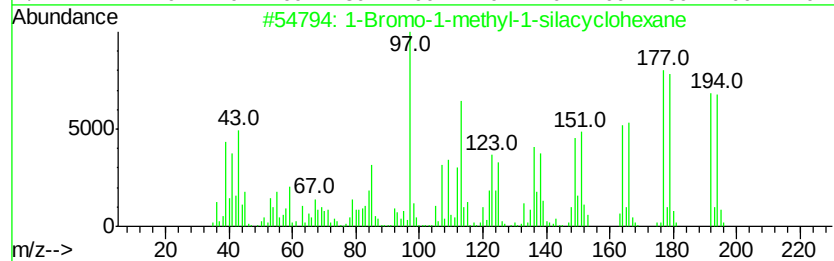
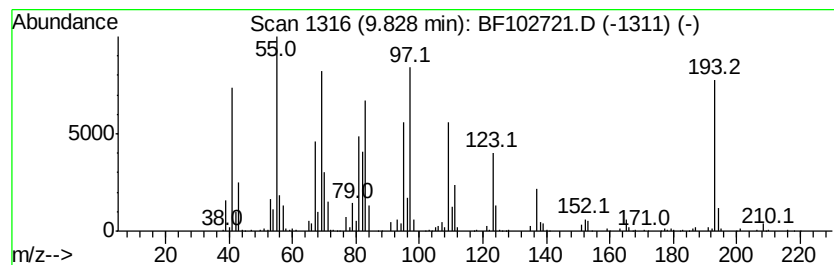
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TIC Integration Parameters: LSCINT.P

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Peak Number 8 1-Bromo-1-methyl-1-silacycl... Concentration Rank 5

| R.T. | EstConc  | Area    | Relative to ISTD | R.T. |
|------|----------|---------|------------------|------|
| 9.83 | 14.64 ng | 1579040 | Acenaphthene-d10 | 9.92 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1-Bromo-1-methyl-1-silacyclohexane  | 192 | C6H13BrSi | 085125-32-2  | 53   |
| 2    |    | 1-(p-Fluorophenyl)-4-piperidone     | 193 | C11H12FN0 | 1000238-56-7 | 27   |
| 3    |    | Bicyclo[3.1.1]heptane, 2,6,6-tri... | 138 | C10H18    | 004863-59-6  | 20   |
| 4    |    | Cyclohexane, 1-(cyclohexylmethyl... | 194 | C14H26    | 054823-98-2  | 18   |
| 5    |    | 5,5-Dimethyl-1,3-hexadiene          | 110 | C8H14     | 001515-79-3  | 15   |



Data Path : U:\HPCHEM1\BNA F\DATA\BF020318\  
Data File : BF102721.D  
Acq On : 3 Feb 2018 17:09  
Operator : SJ/JU  
Sample : J1431-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
132-1-PH-2

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

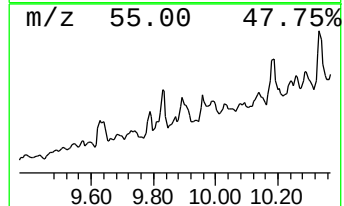
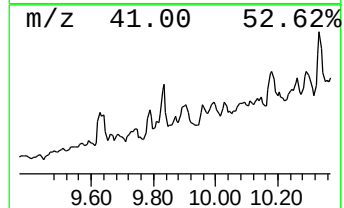
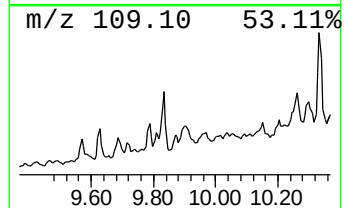
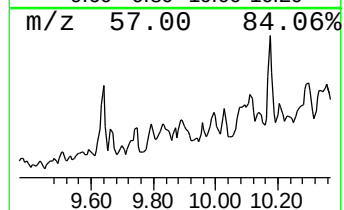
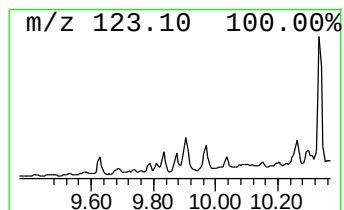
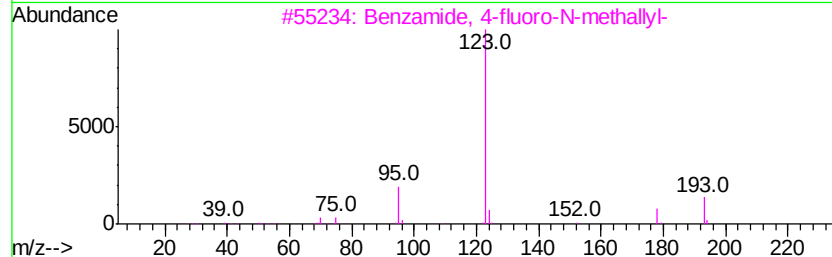
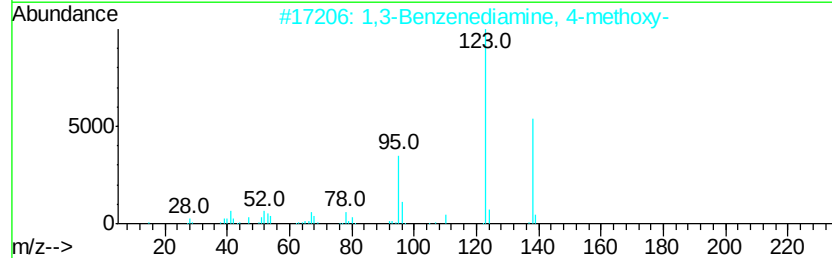
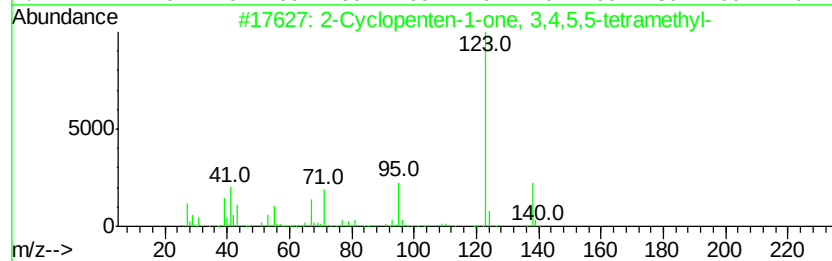
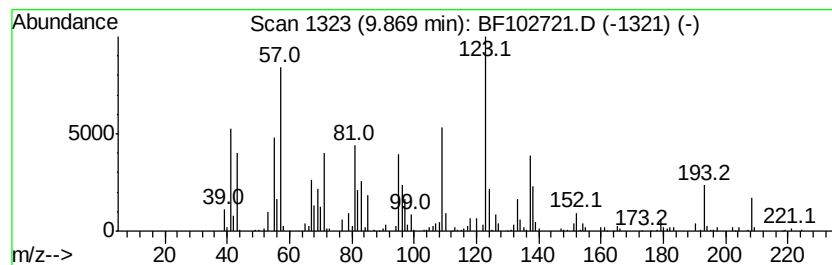
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TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 9 unknown9.87 Concentration Rank 12

| R.T. | EstConc | Area   | Relative to ISTD | R.T. |
|------|---------|--------|------------------|------|
| 9.87 | 2.89 ng | 311321 | Acenaphthene-d10 | 9.92 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 2-Cyclopenten-1-one, 3,4,5,5-tet... | 138 | C9H14O       | 090611-02-2  | 38      |      |      |
| 2    | 1,3-Benzenediamine, 4-methoxy-      | 138 | C7H10N2O     | 000615-05-4  | 38      |      |      |
| 3    | Benzamide, 4-fluoro-N-methallyl-    | 193 | C11H12FNO    | 1000340-31-9 | 35      |      |      |
| 4    | Naphthalene, decahydro-1,4a-dime... | 208 | C15H28       | 030824-81-8  | 30      |      |      |
| 5    | Cyclohexene, 1,4,6,6-tetramethyl-   | 138 | C10H18       | 070092-37-4  | 27      |      |      |



Data Path : U:\HPCHEM1\BNA F\DATA\BF020318\  
Data File : BF102721.D  
Acq On : 3 Feb 2018 17:09  
Operator : SJ/JU  
Sample : J1431-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

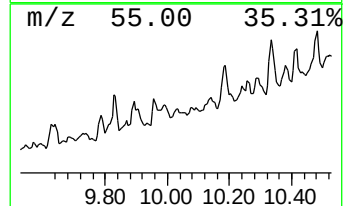
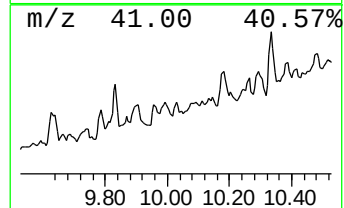
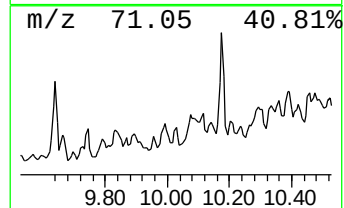
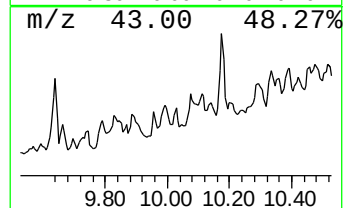
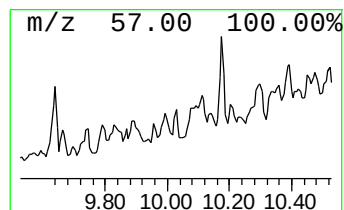
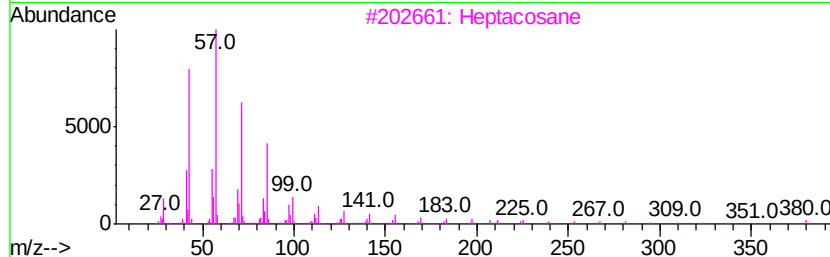
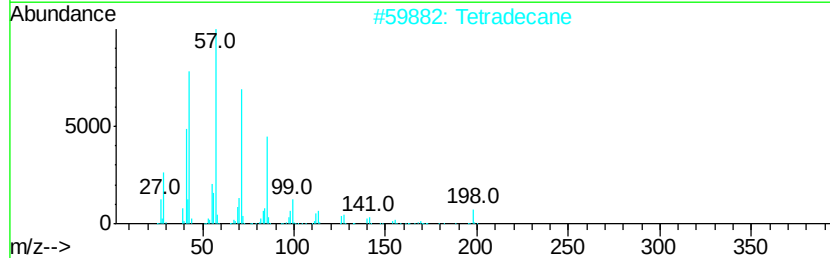
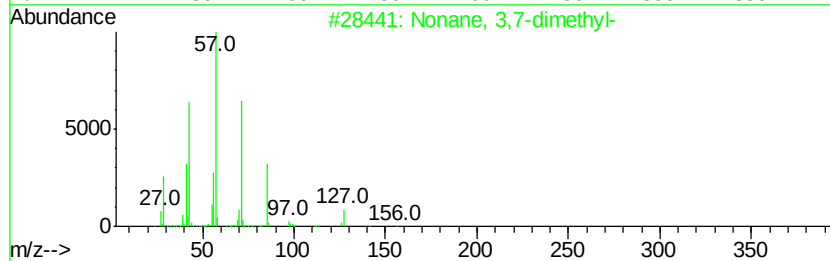
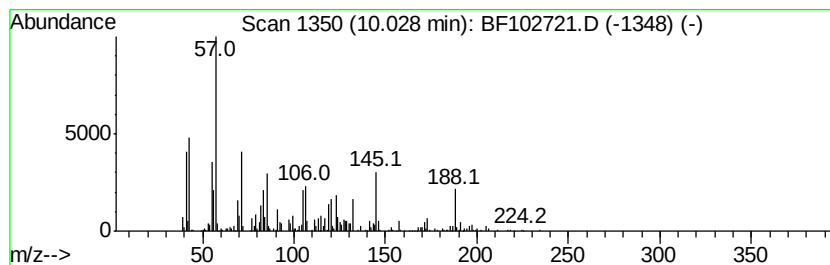
Instrument :  
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ClientSampleId :  
132-1-PH-2

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.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 unknown10.03 Concentration Rank 11

| R.T.      | EstConc                             | Area   | Relative to ISTD |              | R.T. |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 10.03     | 3.58 ng                             | 386730 | Acenaphthene-d10 |              | 9.92 |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Nonane, 3,7-dimethyl-               | 156    | C11H24           | 017302-32-8  | 20   |
| 2         | Tetradecane                         | 198    | C14H30           | 000629-59-4  | 18   |
| 3         | Heptacosane                         | 380    | C27H56           | 000593-49-7  | 18   |
| 4         | Sulfurous acid, butyl heptadecyl... | 376    | C21H44O3S        | 1000309-18-4 | 18   |
| 5         | Hexadecane                          | 226    | C16H34           | 000544-76-3  | 18   |



Data Path : U:\HPCHEM1\BNA F\DATA\BF020318\  
Data File : BF102721.D  
Acq On : 3 Feb 2018 17:09  
Operator : SJ/JU  
Sample : J1431-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
132-1-PH-2

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

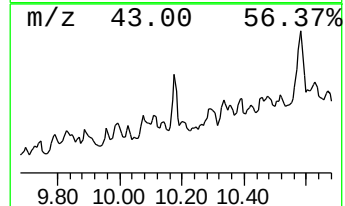
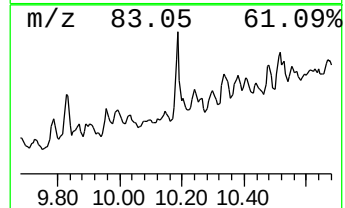
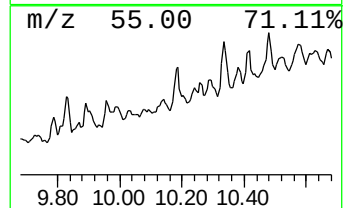
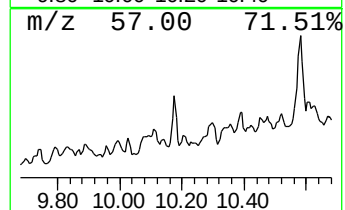
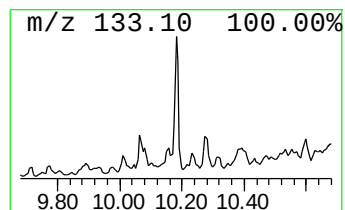
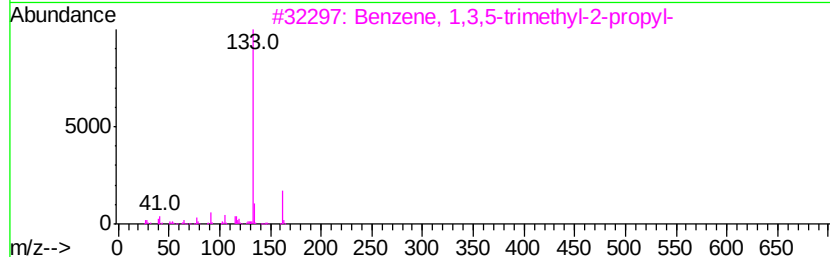
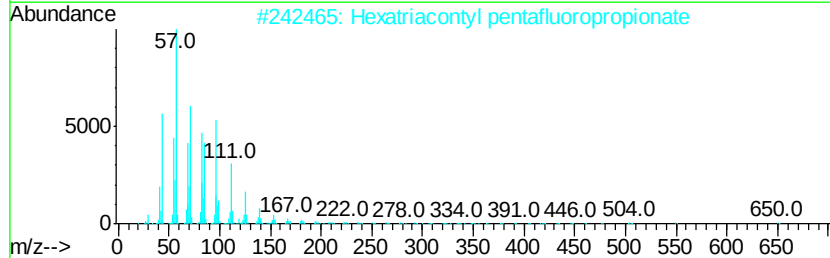
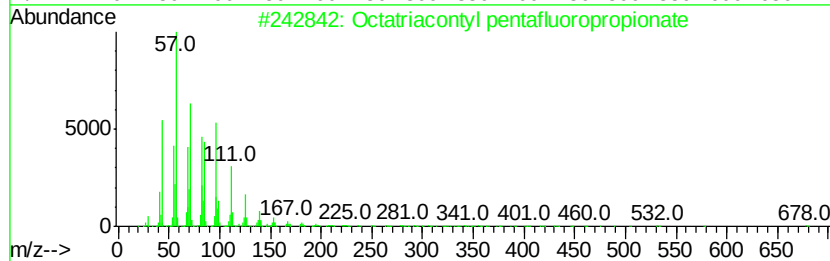
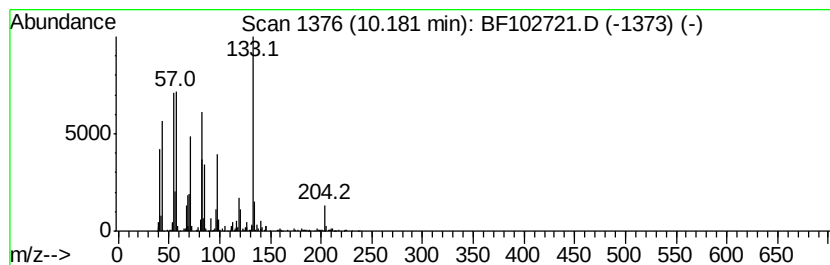
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 11 unknown10.18 Concentration Rank 6

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T. |
|-------|----------|---------|------------------|------|
| 10.18 | 11.21 ng | 1209680 | Acenaphthene-d10 | 9.92 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Octatriacontyl pentafluoropropio... | 697 | C41H77F5O2 | 1000351-89-1 | 27   |
| 2    |    | Hexatriacontyl pentafluoropropio... | 669 | C39H73F5O2 | 1000351-89-0 | 27   |
| 3    |    | Benzene, 1,3,5-trimethyl-2-propyl-  | 162 | C12H18     | 004810-04-2  | 22   |
| 4    |    | Benzene, 1-ethyl-4-(1-methylethyl)- | 148 | C11H16     | 004218-48-8  | 22   |
| 5    |    | Octadecane, 1-chloro-               | 288 | C18H37Cl   | 003386-33-2  | 14   |



Data Path : U:\HPCHEM1\BNA\_F\DATA\BF020318\  
Data File : BF102721.D  
Acq On : 3 Feb 2018 17:09  
Operator : SJ/JU  
Sample : J1431-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

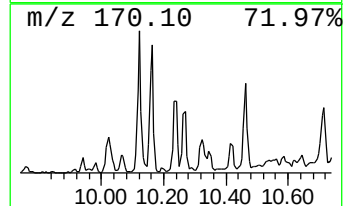
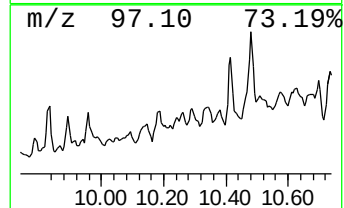
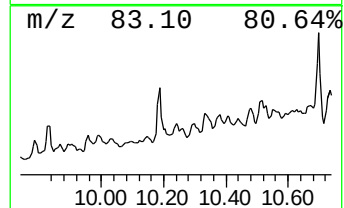
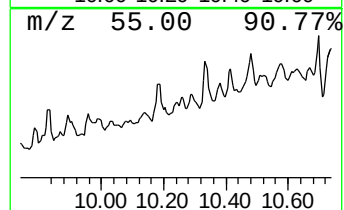
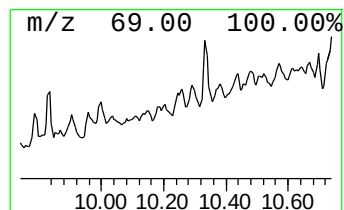
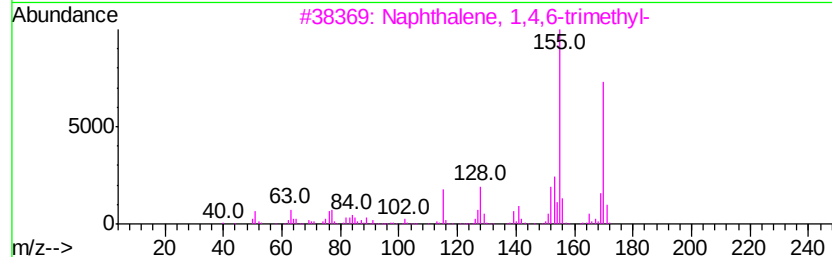
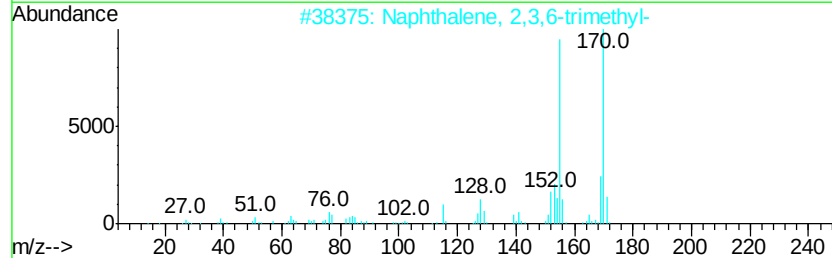
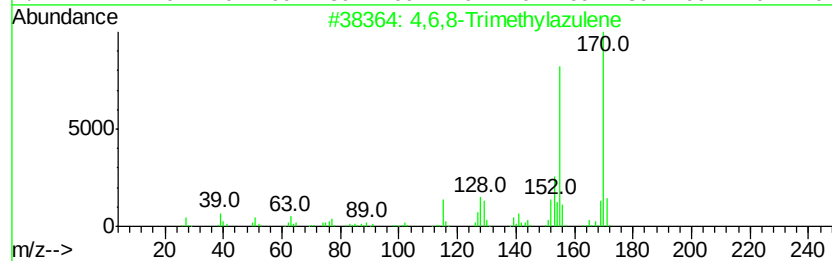
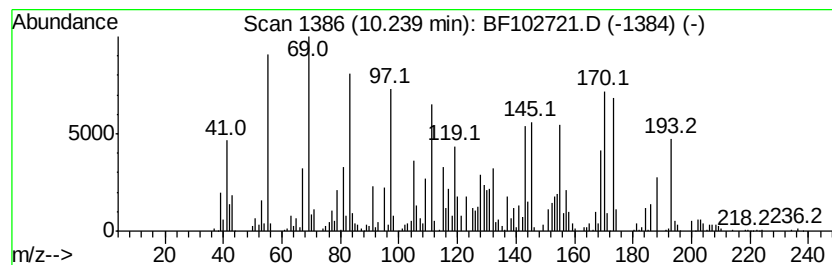
Instrument :  
BNA\_F  
ClientSampleId :  
132-1-PH-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 12 4,6,8-Trimethylazulene Concentration Rank 9

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.      |
|---------|-------------------------------------|--------------|------------------|-----------|
| 10.24   | 5.55 ng                             | 598748       | Acenaphthene-d10 | 9.92      |
| Hit# of | 5                                   | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | 4,6,8-Trimethylazulene              | 170 C13H14   | 000941-81-1      | 55        |
| 2       | Naphthalene, 2,3,6-trimethyl-       | 170 C13H14   | 000829-26-5      | 40        |
| 3       | Naphthalene, 1,4,6-trimethyl-       | 170 C13H14   | 002131-42-2      | 25        |
| 4       | 1H,3H-Thieno[3,4-c]thiophene, 4,... | 170 C8H10S2  | 015441-54-0      | 25        |
| 5       | 4-Methyl-5-phenylpyrimidine         | 170 C11H10N2 | 057562-58-0      | 15        |



Data Path : U:\HPCHEM1\BNA\_F\DATA\BF020318\  
Data File : BF102721.D  
Acq On : 3 Feb 2018 17:09  
Operator : SJ/JU  
Sample : J1431-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

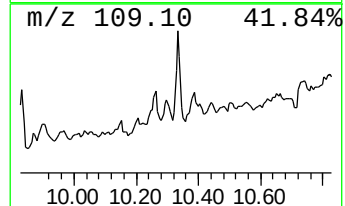
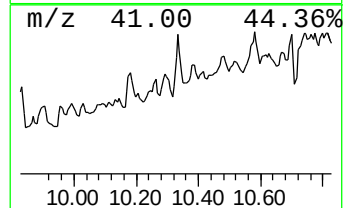
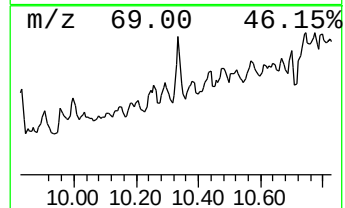
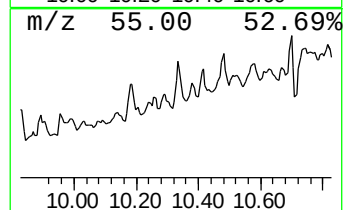
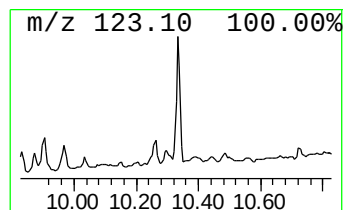
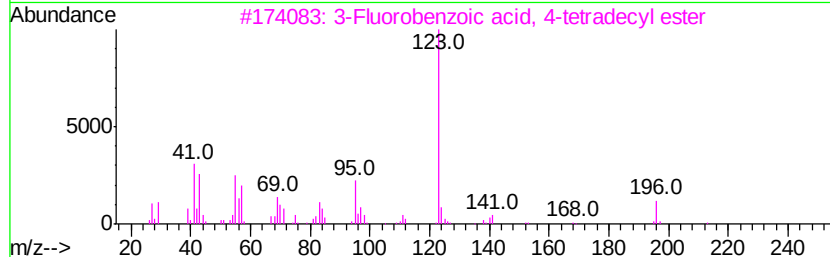
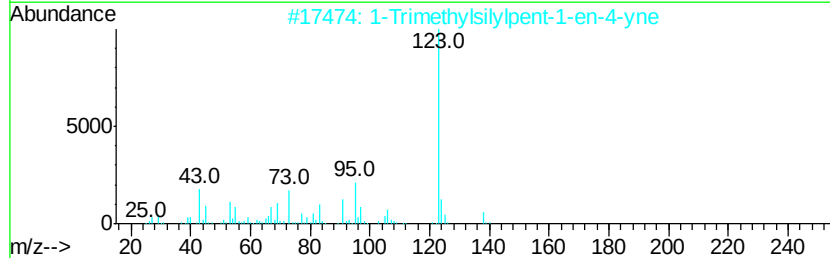
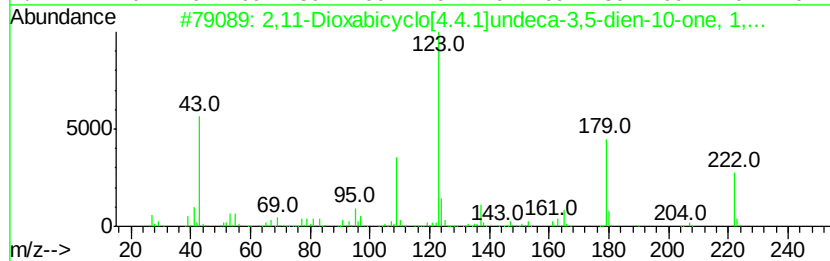
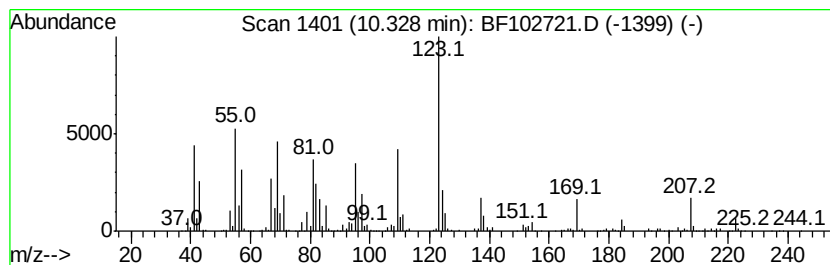
Instrument :  
BNA\_F  
ClientSampleId :  
132-1-PH-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 13 2,11-Dioxabicyclo[4.4.1]und... Concentration Rank 4

| R.T.    | EstConc                             | Area          | Relative to ISTD | R.T.      |
|---------|-------------------------------------|---------------|------------------|-----------|
| 10.33   | 17.60 ng                            | 1898770       | Acenaphthene-d10 | 9.92      |
| Hit# of | 5                                   | Tentative ID  | MW MolForm       | CAS# Qual |
| 1       | 2,11-Dioxabicyclo[4.4.1]undeca-3... | 222 C13H18O3  | 070412-52-1      | 53        |
| 2       | 1-Trimethylsilylpent-1-en-4-yne     | 138 C8H14Si   | 079516-25-9      | 49        |
| 3       | 3-Fluorobenzoic acid, 4-tetradec... | 336 C21H33FO2 | 1000280-60-6     | 47        |
| 4       | Diallyldivinylsilane                | 164 C10H16Si  | 119901-88-1      | 47        |
| 5       | 4-Fluorobenzoic acid, 5-pentadec... | 350 C22H35FO2 | 1000280-68-6     | 47        |



Data Path : U:\HPCHEM1\BNA F\DATA\BF020318\  
Data File : BF102721.D  
Acq On : 3 Feb 2018 17:09  
Operator : SJ/JU  
Sample : J1431-04  
Misc :  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
132-1-PH-2

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

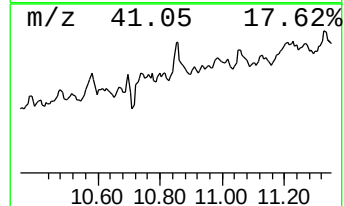
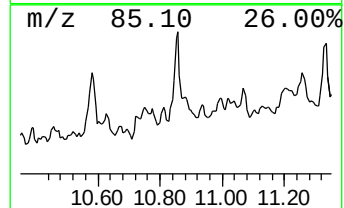
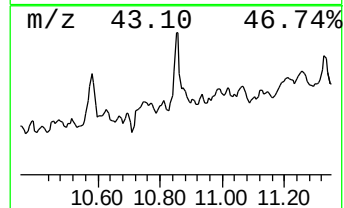
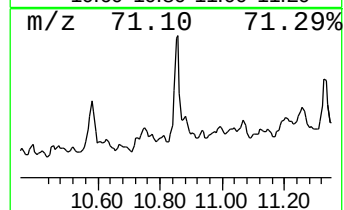
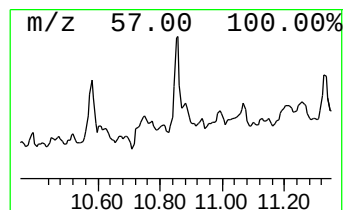
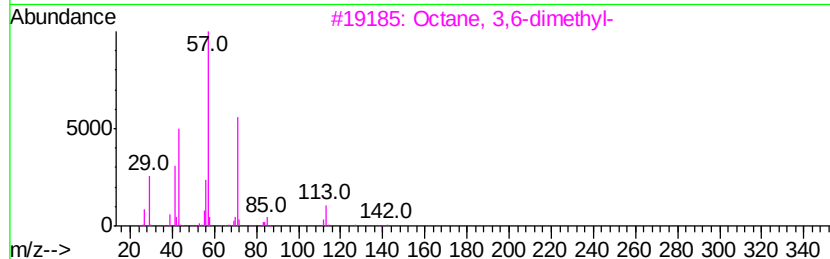
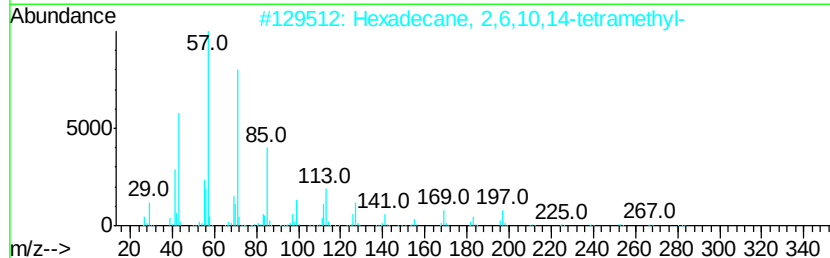
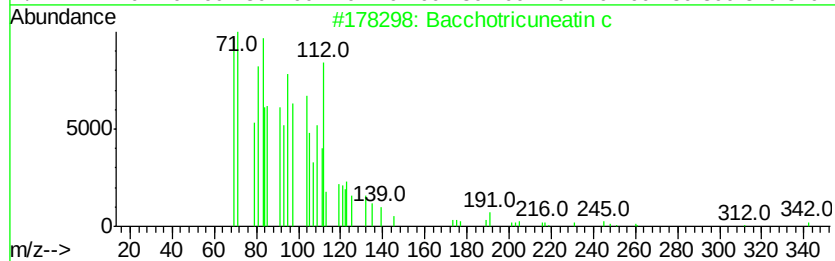
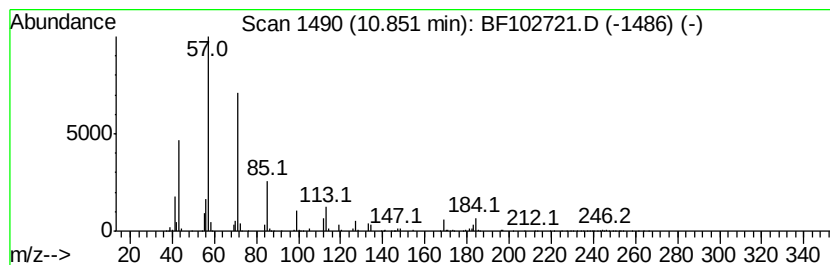
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Bacchotricuneatin c Concentration Rank 3

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 10.85 | 20.00 ng | 3575970 | Phenanthrene-d10 | 11.43 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Bacchotricuneatin c                 | 342 | C20H22O5  | 066563-30-2  | 90   |
| 2    |    | Hexadecane, 2,6,10,14-tetramethyl-  | 282 | C20H42    | 000638-36-8  | 64   |
| 3    |    | Octane, 3,6-dimethyl-               | 142 | C10H22    | 015869-94-0  | 47   |
| 4    |    | Sulfurous acid, butyl 2-ethylhex... | 250 | C12H26O3S | 1000309-18-8 | 47   |
| 5    |    | Decane, 3-methyl-                   | 156 | C11H24    | 013151-34-3  | 47   |





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 Acq On : 3 Feb 2018 17:09  
 Operator : SJ/JU  
 Sample : J1431-04  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 132-1-PH-2

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF020318.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 |
| Butane, 2-methoxy... | 2.15  | 8.3     | ng    | 449872   | 1                     | 6.88  | 1088190 | 20.0 |
| 2-Pentanone, 4-hy... | 5.10  | 2.8     | ng    | 150789   | 1                     | 6.88  | 1088190 | 20.0 |
| unknown6.65          | 6.65  | 77.4    | ng    | 4212490  | 1                     | 6.88  | 1088190 | 20.0 |
| unknown9.32          | 9.32  | 2.7     | ng    | 287348   | 3                     | 9.92  | 2157720 | 20.0 |
| Undecanenitrile      | 9.49  | 3.9     | ng    | 416940   | 3                     | 9.92  | 2157720 | 20.0 |
| unknown9.79          | 9.79  | 8.2     | ng    | 880153   | 3                     | 9.92  | 2157720 | 20.0 |
| 1-Bromo-1-methyl-... | 9.83  | 14.6    | ng    | 1579040  | 3                     | 9.92  | 2157720 | 20.0 |
| unknown9.87          | 9.87  | 2.9     | ng    | 311321   | 3                     | 9.92  | 2157720 | 20.0 |
| unknown10.03         | 10.03 | 3.6     | ng    | 386730   | 3                     | 9.92  | 2157720 | 20.0 |
| unknown10.18         | 10.18 | 11.2    | ng    | 1209680  | 3                     | 9.92  | 2157720 | 20.0 |
| 4,6,8-Trimethylaz... | 10.24 | 5.5     | ng    | 598748   | 3                     | 9.92  | 2157720 | 20.0 |
| 2,11-Dioxabicyclo... | 10.33 | 17.6    | ng    | 1898770  | 3                     | 9.92  | 2157720 | 20.0 |
| Bacchotricuneatin c  | 10.85 | 20.0    | ng    | 3575970  | 4                     | 11.43 | 3575970 | 20.0 |