

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\  
 Data File : BF103976.D  
 Acq On : 27 Mar 2018 18:10  
 Operator : JU/SJ  
 Sample : J1749-05  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 BU-03-032618

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-BF031518.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         | 2.310       | 32            | 38          | 43           | rVB      | 75693          | 99324         | 3.71%           | 0.387%        |
| 2         | 5.216       | 527           | 532         | 545          | rBV      | 76055          | 125171        | 4.68%           | 0.487%        |
| 3         | 5.610       | 594           | 599         | 621          | rBV      | 1730787        | 2560026       | 95.62%          | 9.964%        |
| 4         | 6.604       | 764           | 768         | 788          | rBV      | 1978812        | 2624486       | 98.03%          | 10.214%       |
| 5         | 6.745       | 788           | 792         | 811          | rVB      | 2535325        | 2677226       | 100.00%         | 10.420%       |
| 6         | 6.969       | 827           | 830         | 845          | rVB      | 815083         | 856186        | 31.98%          | 3.332%        |
| 7         | 7.128       | 853           | 857         | 879          | rBV      | 2116196        | 2042783       | 76.30%          | 7.950%        |
| 8         | 7.533       | 922           | 926         | 935          | rBV      | 1472564        | 1574264       | 58.80%          | 6.127%        |
| 9         | 8.251       | 1044          | 1048        | 1068         | rVB      | 1099073        | 1155028       | 43.14%          | 4.495%        |
| 10        | 9.327       | 1226          | 1231        | 1234         | rBV      | 2949633        | 2638604       | 98.56%          | 10.269%       |
| 11        | 9.392       | 1239          | 1242        | 1245         | rVB      | 37067          | 33955         | 1.27%           | 0.132%        |
| 12        | 9.716       | 1292          | 1297        | 1305         | rBV      | 271590         | 253615        | 9.47%           | 0.987%        |
| 13        | 9.922       | 1328          | 1332        | 1336         | rBV      | 96988          | 75876         | 2.83%           | 0.295%        |
| 14        | 10.010      | 1343          | 1347        | 1352         | rBV      | 1241455        | 1183774       | 44.22%          | 4.607%        |
| 15        | 10.422      | 1414          | 1417        | 1420         | rVB      | 108766         | 82367         | 3.08%           | 0.321%        |
| 16        | 10.639      | 1447          | 1454        | 1457         | rBV3     | 30310          | 48737         | 1.82%           | 0.190%        |
| 17        | 10.804      | 1478          | 1482        | 1495         | rBV      | 1593115        | 1564446       | 58.44%          | 6.089%        |
| 18        | 10.892      | 1495          | 1497        | 1502         | rVV      | 75876          | 83883         | 3.13%           | 0.326%        |
| 19        | 11.345      | 1571          | 1574        | 1576         | rBV      | 46158          | 39912         | 1.49%           | 0.155%        |
| 20        | 11.504      | 1598          | 1601        | 1604         | rBV      | 1168271        | 1030126       | 38.48%          | 4.009%        |
| 21        | 11.527      | 1604          | 1605        | 1609         | rVB      | 126656         | 88088         | 3.29%           | 0.343%        |
| 22        | 11.874      | 1661          | 1664        | 1669         | rVB      | 40669          | 36274         | 1.35%           | 0.141%        |
| 23        | 12.010      | 1684          | 1687        | 1696         | rBV3     | 248999         | 304840        | 11.39%          | 1.186%        |
| 24        | 12.121      | 1703          | 1706        | 1709         | rBV2     | 29021          | 33319         | 1.24%           | 0.130%        |
| 25        | 12.563      | 1778          | 1781        | 1783         | rBV3     | 67755          | 73754         | 2.75%           | 0.287%        |
| 26        | 12.586      | 1783          | 1785        | 1788         | rVB3     | 49941          | 44662         | 1.67%           | 0.174%        |
| 27        | 12.721      | 1805          | 1808        | 1812         | rBV      | 215731         | 193249        | 7.22%           | 0.752%        |
| 28        | 12.798      | 1819          | 1821        | 1828         | rBV5     | 42629          | 71188         | 2.66%           | 0.277%        |
| 29        | 12.951      | 1842          | 1847        | 1854         | rBV      | 172403         | 261136        | 9.75%           | 1.016%        |
| 30        | 13.092      | 1866          | 1871        | 1874         | rBV      | 1914898        | 1848214       | 69.03%          | 7.193%        |
| 31        | 13.280      | 1900          | 1903        | 1905         | rBV2     | 48991          | 54362         | 2.03%           | 0.212%        |
| 32        | 13.968      | 2017          | 2020        | 2024         | rBV2     | 281050         | 290060        | 10.83%          | 1.129%        |
| 33        | 14.157      | 2048          | 2052        | 2055         | rBV      | 854319         | 885573        | 33.08%          | 3.447%        |
| 34        | 15.704      | 2311          | 2315        | 2330         | rVB      | 484773         | 759269        | 28.36%          | 2.955%        |

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032718\  
Data File : BF103976.D  
Acq On : 27 Mar 2018 18:10  
Operator : JU/SJ  
Sample : J1749-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-032618

Integration Parameters: rteint.p  
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-BF031518.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

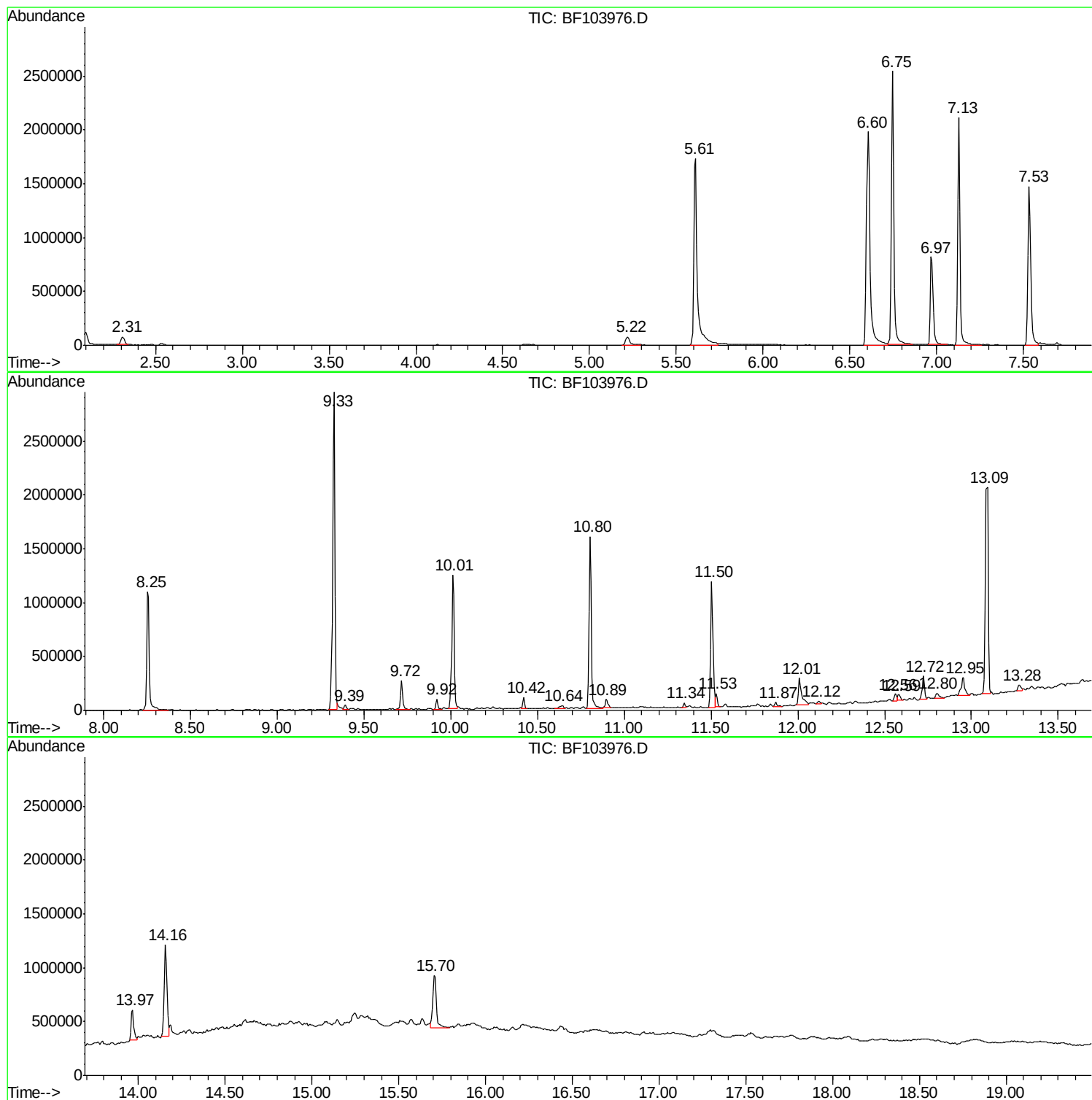
Sum of corrected areas: 25693777

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032718\  
Data File : BF103976.D  
Acq On : 27 Mar 2018 18:10  
Operator : JU/SJ  
Sample : J1749-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-032618

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032718\  
Data File : BF103976.D  
Acq On : 27 Mar 2018 18:10  
Operator : JU/SJ  
Sample : J1749-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-032618

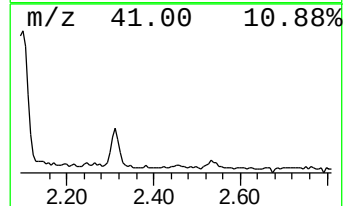
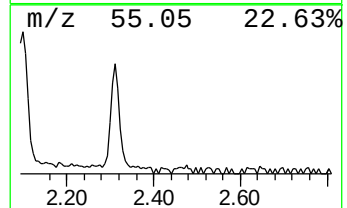
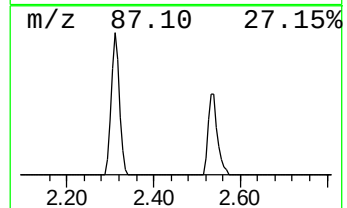
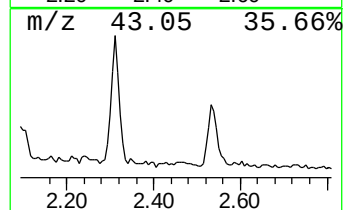
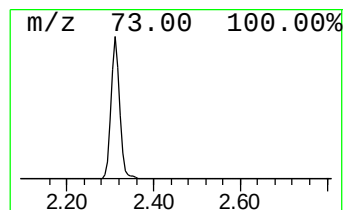
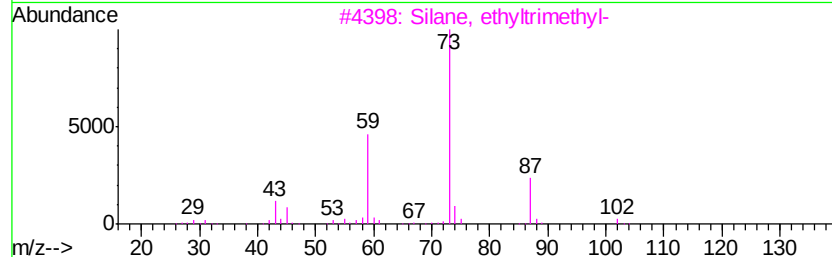
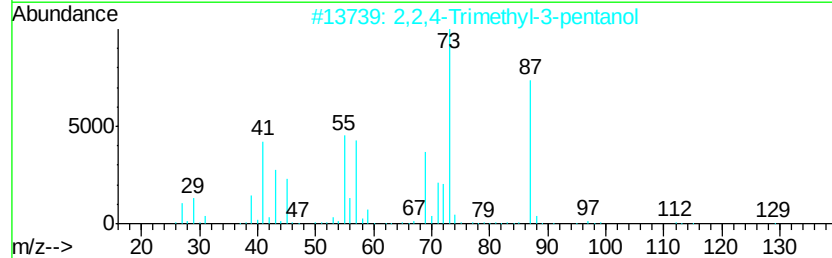
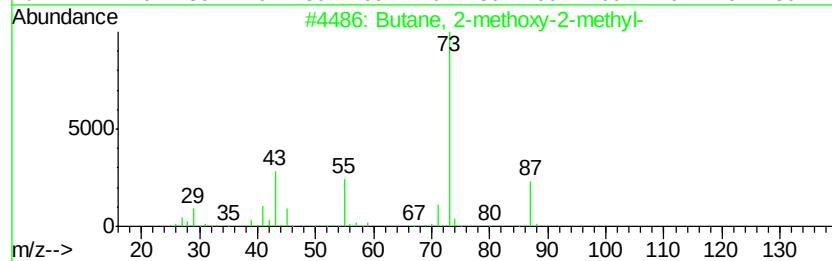
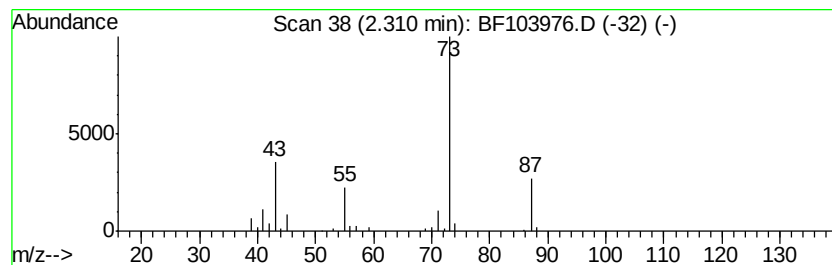
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

| R.T. | EstConc | Area  | Relative to ISTD       | R.T. |
|------|---------|-------|------------------------|------|
| 2.31 | 2.32 ng | 99324 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# | of | 5 | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------------|-----|---------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol  | 130 | C8H18O  | 005162-48-1 | 39   |
| 3    |    |   | Silane, ethyltrimethyl-     | 102 | C5H14Si | 003439-38-1 | 33   |
| 4    |    |   | Pentane, 3-methoxy-         | 102 | C6H14O  | 036839-67-5 | 23   |
| 5    |    |   | 3-Hexanol, 2-methyl-        | 116 | C7H16O  | 000617-29-8 | 17   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032718\  
Data File : BF103976.D  
Acq On : 27 Mar 2018 18:10  
Operator : JU/SJ  
Sample : J1749-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-032618

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

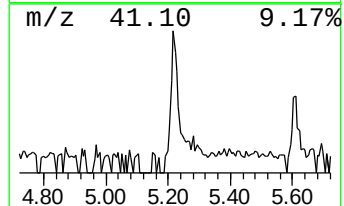
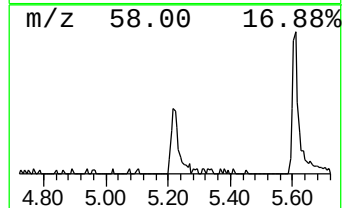
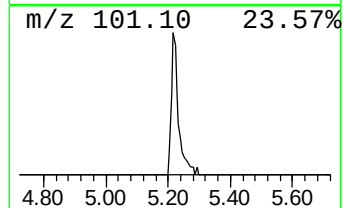
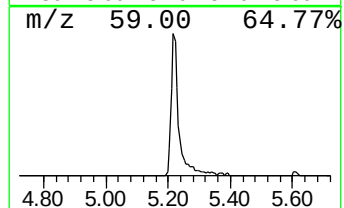
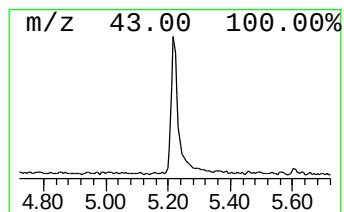
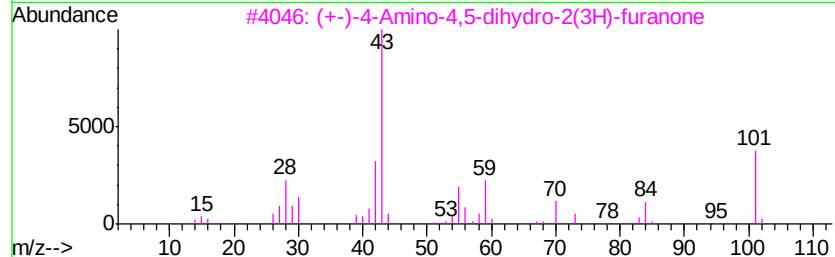
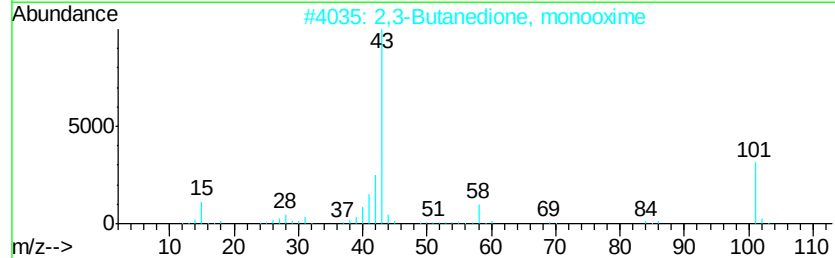
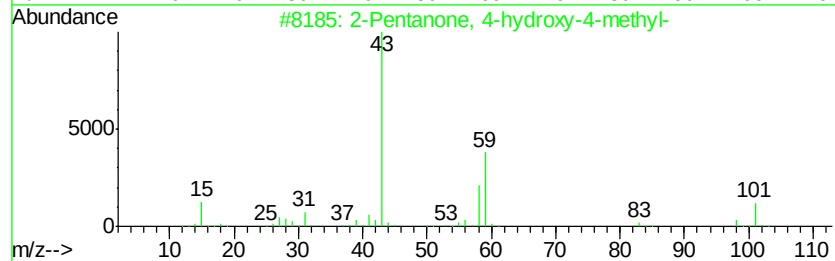
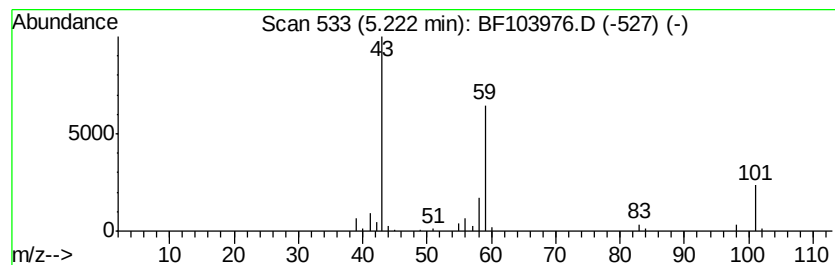
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.22 | 2.92 ng | 125171 | 1,4-Dichlorobenzene-d4 | 6.97 |

| Hit# | of | Tentative ID                           | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------------|-----|---------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-       | 116 | C6H12O2 | 000123-42-2 | 64   |
| 2    |    | 2,3-Butanedione, monooxime             | 101 | C4H7NO2 | 000057-71-6 | 35   |
| 3    |    | (+)-4-Amino-4,5-dihydro-2(3H)-furanone | 101 | C4H7NO2 | 016504-58-8 | 9    |
| 4    |    | 5-Hexen-2-one                          | 98  | C6H10O  | 000109-49-9 | 9    |
| 5    |    | Morpholine, 4-methyl-                  | 101 | C5H11NO | 000109-02-4 | 9    |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\  
Data File : BF103976.D  
Acq On : 27 Mar 2018 18:10  
Operator : JU/SJ  
Sample : J1749-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-032618

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

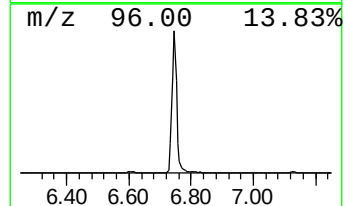
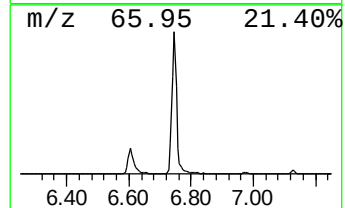
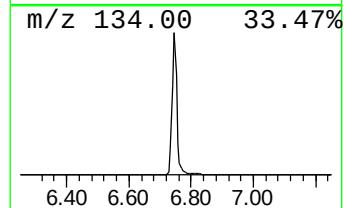
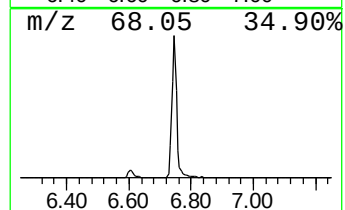
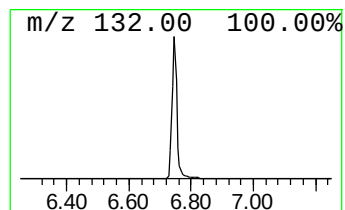
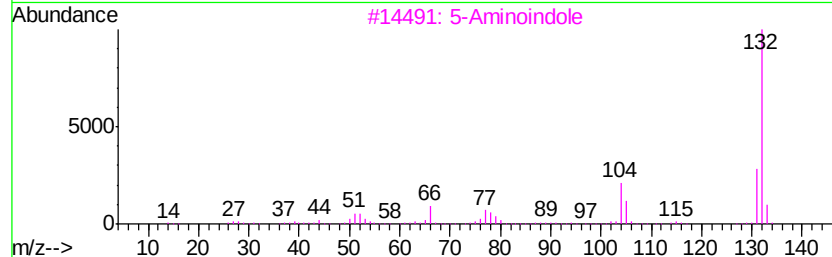
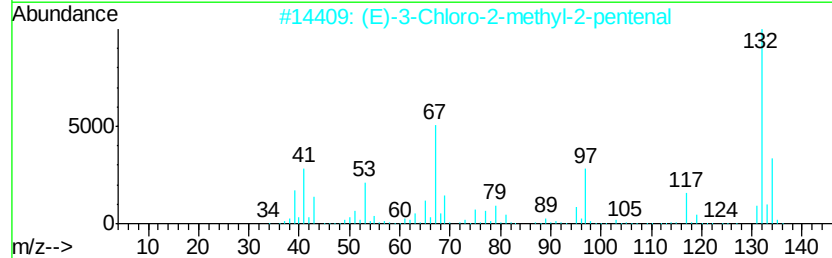
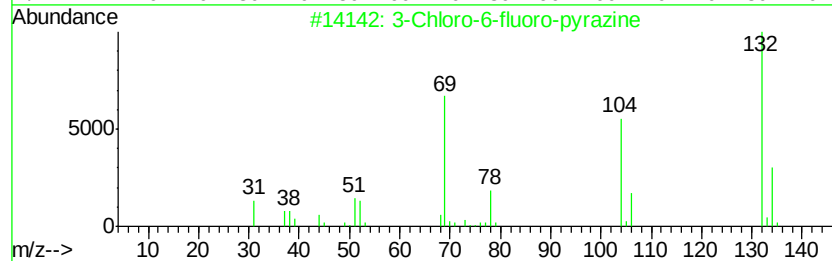
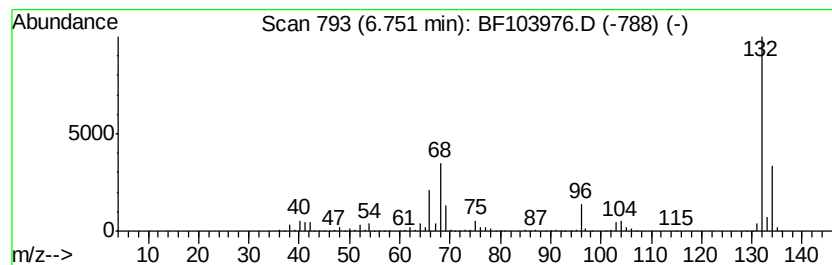
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown6.75 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.75 | 62.54 ng | 2677230 | 1,4-Dichlorobenzene-d4 | 6.97 |

| 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    |    | 5-Aminoindole                    | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | 1H-Benzimidazole, 2-methyl-      | 132 | C8H8N2    | 000615-15-6  | 10   |
| 5    |    | Tranlylcypromine-propionyl       | 189 | C12H15NO  | 1000123-86-3 | 10   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\  
Data File : BF103976.D  
Acq On : 27 Mar 2018 18:10  
Operator : JU/SJ  
Sample : J1749-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-032618

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

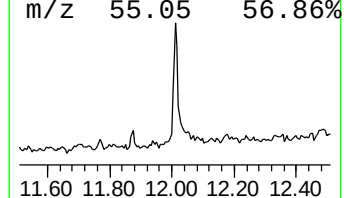
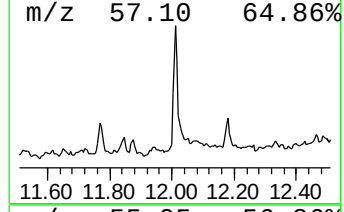
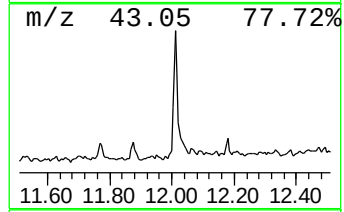
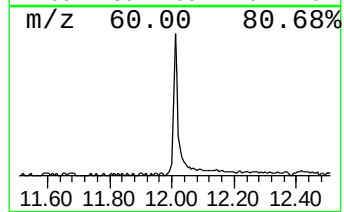
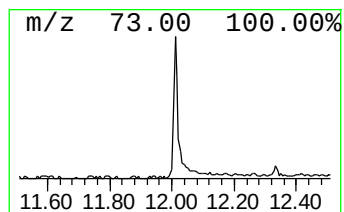
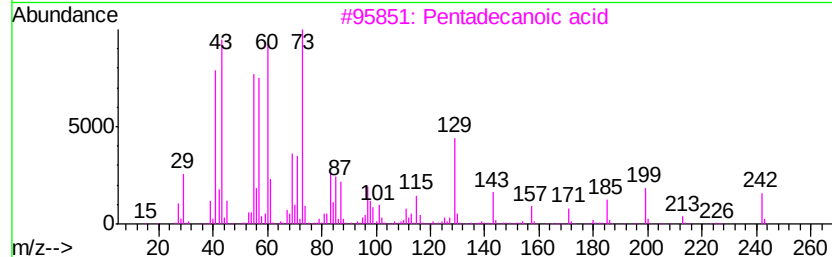
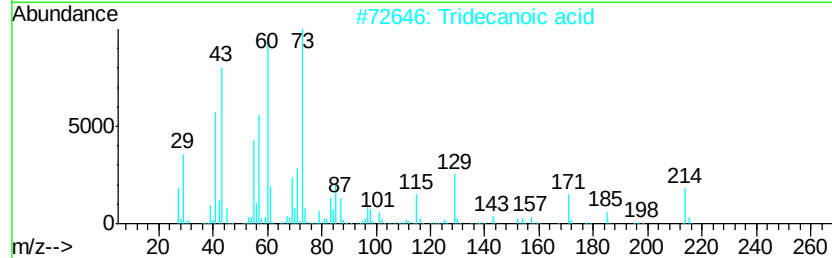
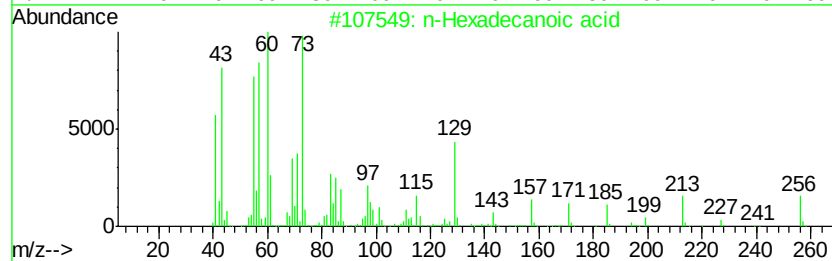
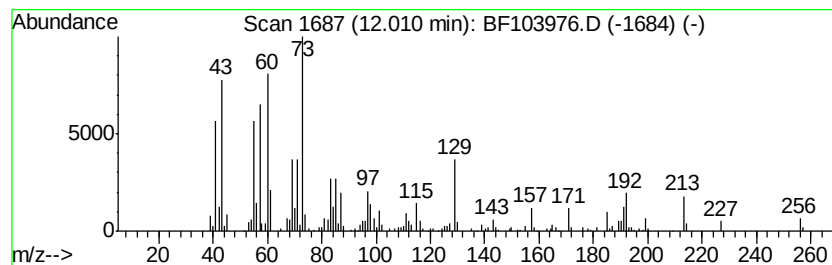
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 12.01 | 5.92 ng | 304840 | Phenanthrene-d10 | 11.50 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2       |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 90   |
| 3       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 87   |
| 4       |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 72   |
| 5       |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 62   |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\  
Data File : BF103976.D  
Acq On : 27 Mar 2018 18:10  
Operator : JU/SJ  
Sample : J1749-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-032618

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

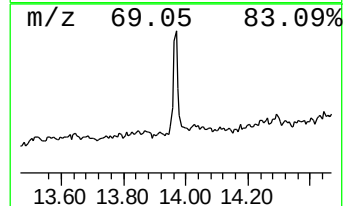
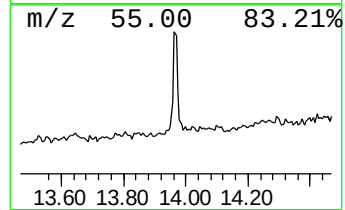
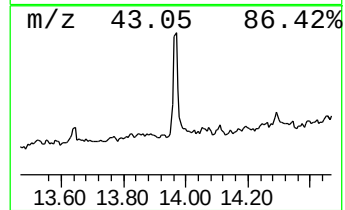
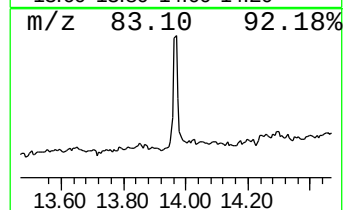
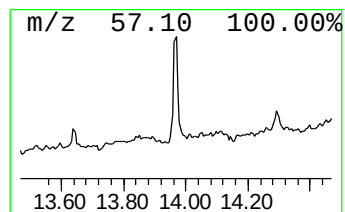
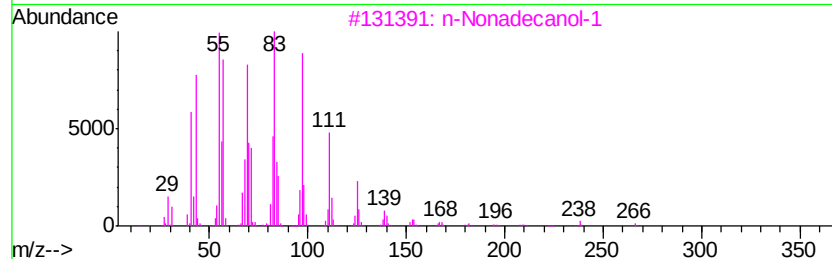
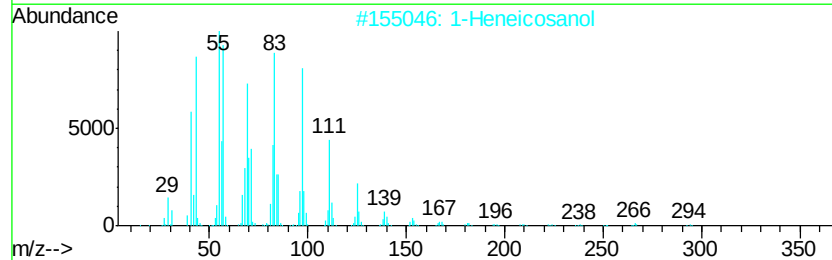
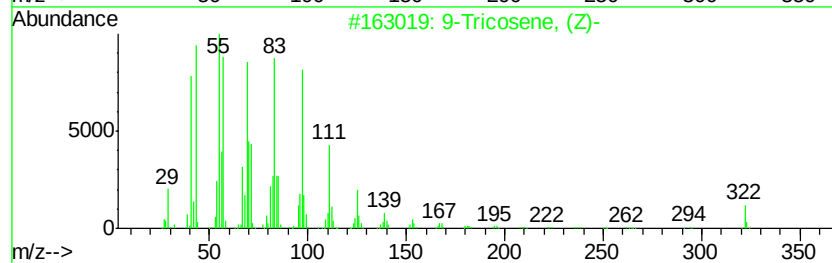
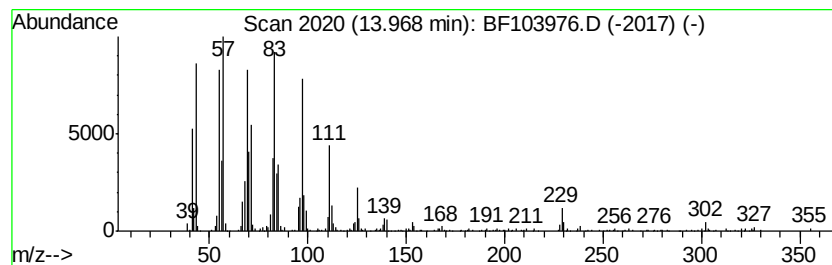
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 9-Tricosene, (Z)- Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.97 | 6.55 ng | 290060 | Chrysene-d12     | 14.16 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | 9-Tricosene, (Z)-                   | 322 | C23H46     | 027519-02-4 | 96   |
| 2    |    | 1-Heneicosanol                      | 312 | C21H44O    | 015594-90-8 | 95   |
| 3    |    | n-Nonadecanol-1                     | 284 | C19H40O    | 001454-84-8 | 94   |
| 4    |    | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 94   |
| 5    |    | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 94   |





Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032718\  
Data File : BF103976.D  
Acq On : 27 Mar 2018 18:10  
Operator : JU/SJ  
Sample : J1749-05  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
BU-03-032618

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031518.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... | 2.31  | 2.3     | ng    | 99324    | 1                     | 6.97  | 856186  | 20.0 |
| 2-Pentanone, 4-hy... | 5.22  | 2.9     | ng    | 125171   | 1                     | 6.97  | 856186  | 20.0 |
| unknown6.75          | 6.75  | 62.5    | ng    | 2677230  | 1                     | 6.97  | 856186  | 20.0 |
| n-Hexadecanoic acid  | 12.01 | 5.9     | ng    | 304840   | 4                     | 11.50 | 1030130 | 20.0 |
| 9-Tricosene, (Z)-    | 13.97 | 6.5     | ng    | 290060   | 5                     | 14.16 | 885573  | 20.0 |