

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF121917\  
 Data File : BF101540.D  
 Acq On : 19 Dec 2017 23:18  
 Operator : SJ/JU  
 Sample : I6924-02  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 EPE-125-4(5-9)

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-BF121417.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         | 4.410       | 392           | 395         | 406          | rBV      | 25953          | 56964         | 1.72%           | 0.204%        |
| 2         | 5.022       | 495           | 499         | 518          | rBV      | 892367         | 1293719       | 38.99%          | 4.633%        |
| 3         | 5.434       | 565           | 569         | 588          | rBV      | 2661102        | 3215680       | 96.92%          | 11.517%       |
| 4         | 6.451       | 738           | 742         | 760          | rBV      | 2828674        | 3317833       | 100.00%         | 11.883%       |
| 5         | 6.581       | 760           | 764         | 771          | rVV      | 3148878        | 2981910       | 89.88%          | 10.680%       |
| 6         | 6.810       | 799           | 803         | 810          | rBV      | 946336         | 925570        | 27.90%          | 3.315%        |
| 7         | 6.963       | 825           | 829         | 845          | rBV      | 2493481        | 2387544       | 71.96%          | 8.551%        |
| 8         | 7.375       | 895           | 899         | 920          | rBV      | 1861827        | 2095900       | 63.17%          | 7.506%        |
| 9         | 8.092       | 1017          | 1021        | 1041         | rVB      | 1077223        | 1186306       | 35.76%          | 4.249%        |
| 10        | 9.163       | 1199          | 1203        | 1213         | rBV      | 3091934        | 2888243       | 87.05%          | 10.344%       |
| 11        | 9.563       | 1265          | 1271        | 1278         | rBV      | 139431         | 150175        | 4.53%           | 0.538%        |
| 12        | 9.763       | 1301          | 1305        | 1309         | rBV      | 38912          | 35235         | 1.06%           | 0.126%        |
| 13        | 9.845       | 1315          | 1319        | 1330         | rVB2     | 1153115        | 1120433       | 33.77%          | 4.013%        |
| 14        | 10.263      | 1387          | 1390        | 1393         | rVB      | 57177          | 47365         | 1.43%           | 0.170%        |
| 15        | 10.639      | 1450          | 1454        | 1467         | rBV      | 1319848        | 1476639       | 44.51%          | 5.289%        |
| 16        | 10.733      | 1467          | 1470        | 1478         | rVB      | 61341          | 66937         | 2.02%           | 0.240%        |
| 17        | 11.339      | 1569          | 1573        | 1582         | rBV      | 906196         | 939325        | 28.31%          | 3.364%        |
| 18        | 12.915      | 1837          | 1841        | 1845         | rBV      | 1856155        | 1820275       | 54.86%          | 6.519%        |
| 19        | 13.804      | 1988          | 1992        | 2005         | rBV      | 122542         | 197134        | 5.94%           | 0.706%        |
| 20        | 13.986      | 2019          | 2023        | 2032         | rBV      | 797307         | 827175        | 24.93%          | 2.963%        |
| 21        | 14.586      | 2122          | 2125        | 2130         | rBV      | 51389          | 47235         | 1.42%           | 0.169%        |
| 22        | 15.456      | 2269          | 2273        | 2283         | rVB      | 572805         | 843764        | 25.43%          | 3.022%        |

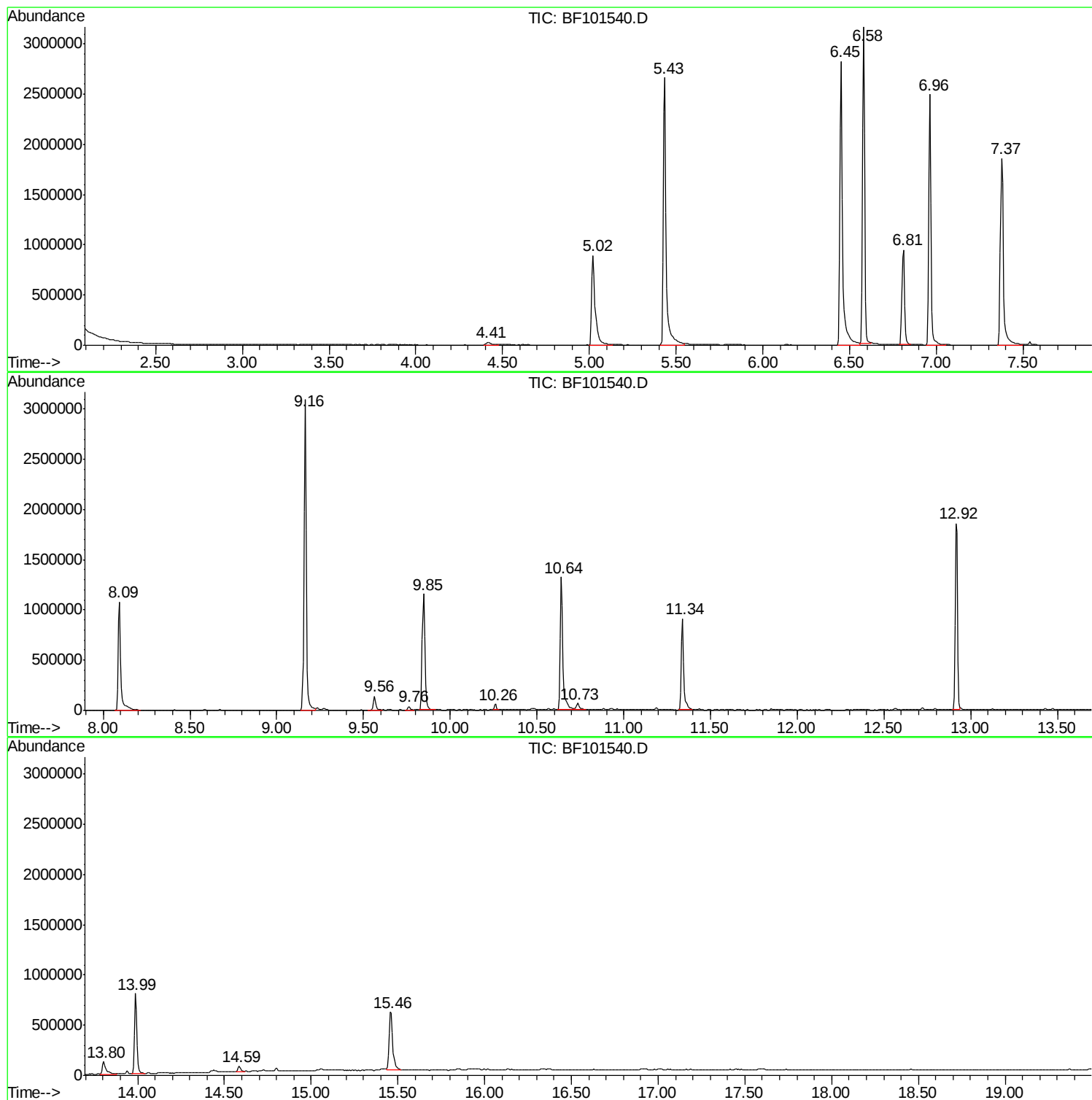
Sum of corrected areas: 27921361

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121917\  
Data File : BF101540.D  
Acq On : 19 Dec 2017 23:18  
Operator : SJ/JU  
Sample : I6924-02  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-125-4(5-9)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121917\  
Data File : BF101540.D  
Acq On : 19 Dec 2017 23:18  
Operator : SJ/JU  
Sample : I6924-02  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-125-4(5-9)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

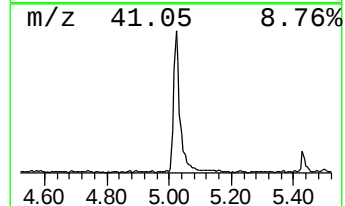
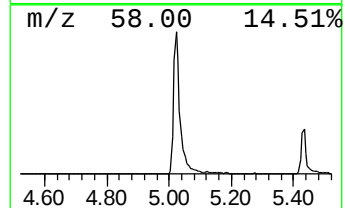
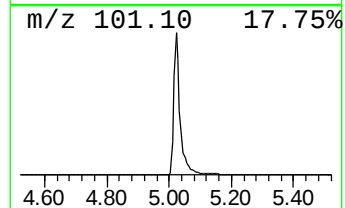
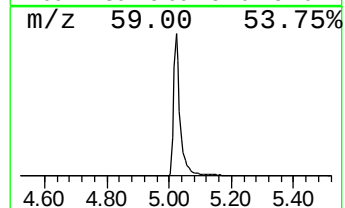
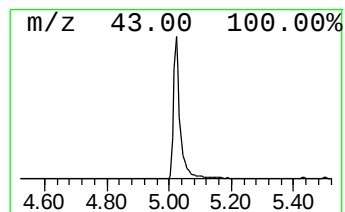
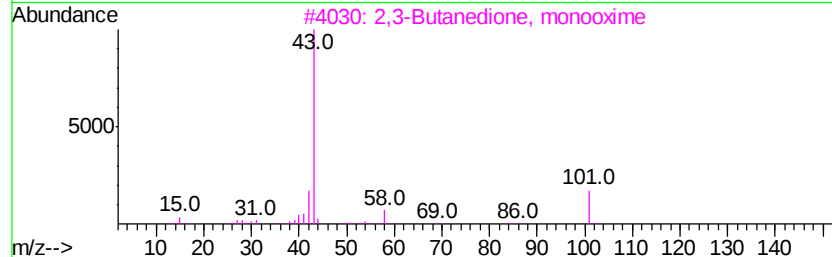
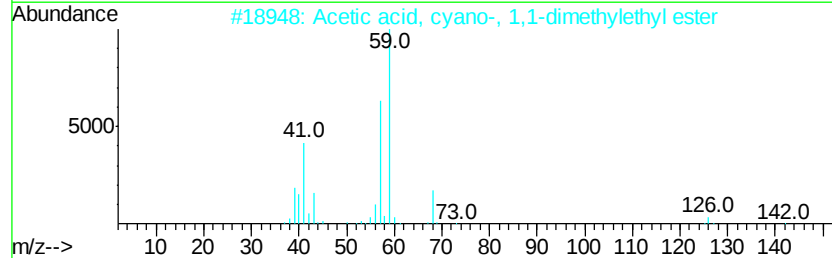
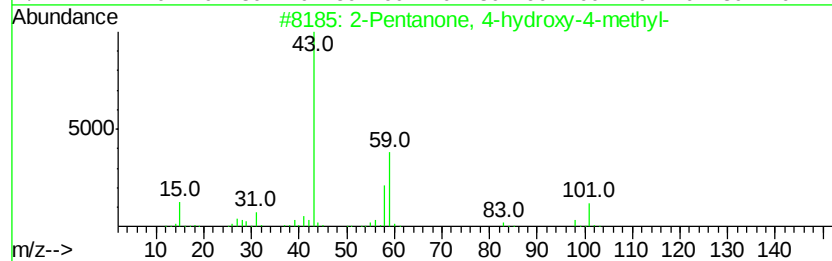
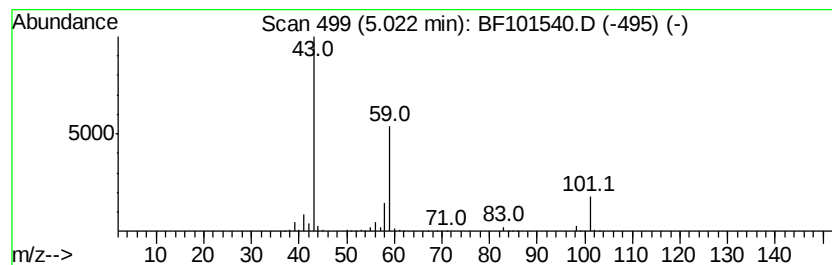
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 5.02 | 27.96 ng | 1293720 | 1,4-Dichlorobenzene-d4 | 6.81 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-     | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |    | Acetic acid, cyano-, 1,1-dimethyl... | 141 | C7H11NO2 | 001116-98-9 | 25   |
| 3    |    | 2,3-Butanedione, monooxime           | 101 | C4H7NO2  | 000057-71-6 | 16   |
| 4    |    | Morpholine, 4-methyl-                | 101 | C5H11NO  | 000109-02-4 | 9    |
| 5    |    | Acetic acid, 1,1-dimethylethyl e...  | 116 | C6H12O2  | 000540-88-5 | 9    |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121917\  
Data File : BF101540.D  
Acq On : 19 Dec 2017 23:18  
Operator : SJ/JU  
Sample : I6924-02  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-125-4(5-9)

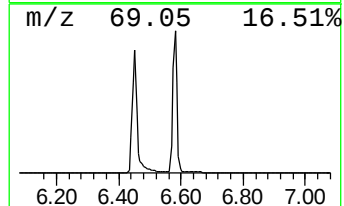
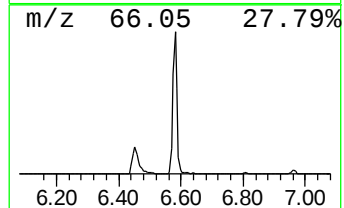
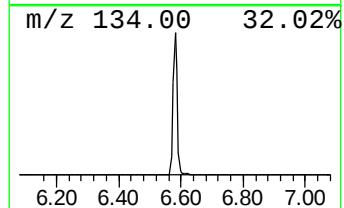
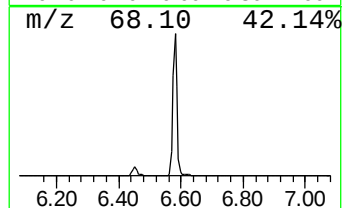
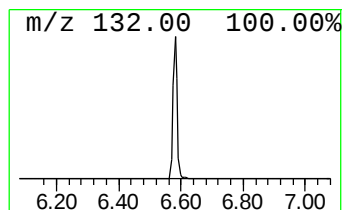
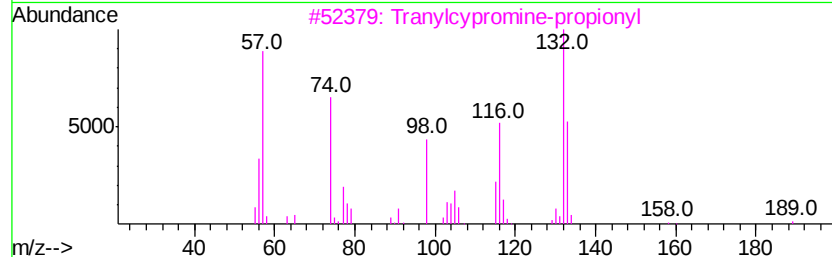
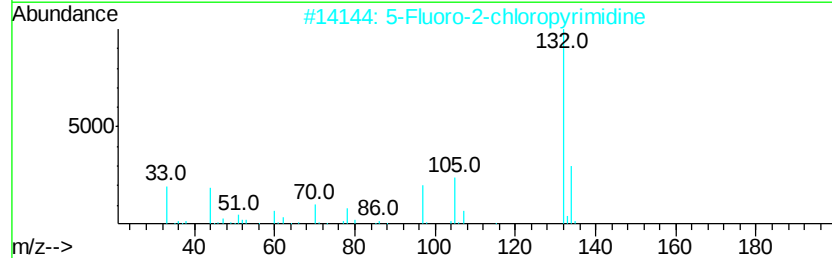
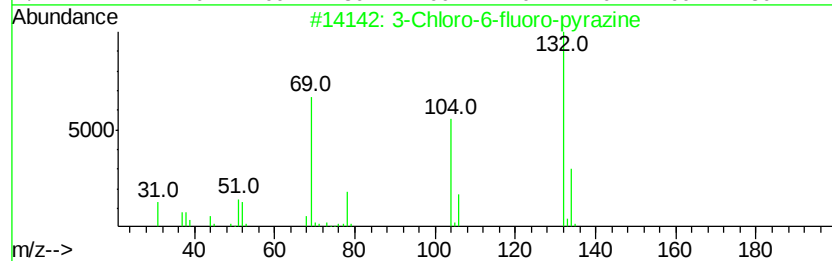
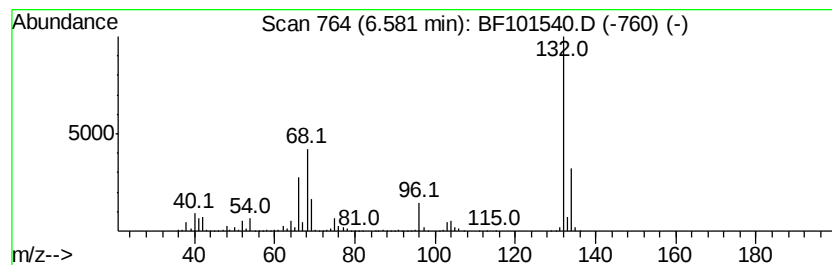
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 unknown6.58 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.58 | 64.43 ng | 2981910 | 1,4-Dichlorobenzene-d4 | 6.81 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 27   |
| 2    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 16   |
| 3    |    | Tranvlcypropine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 9    |
| 5    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121917\  
Data File : BF101540.D  
Acq On : 19 Dec 2017 23:18  
Operator : SJ/JU  
Sample : I6924-02  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

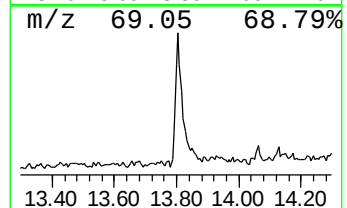
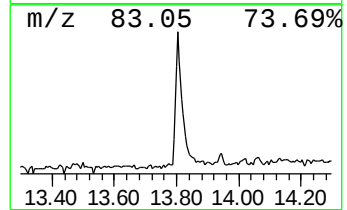
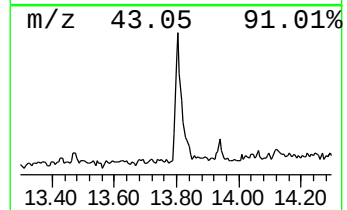
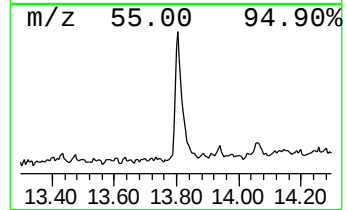
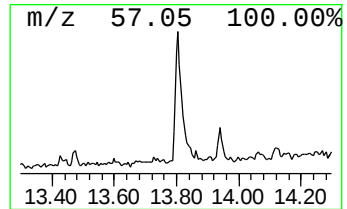
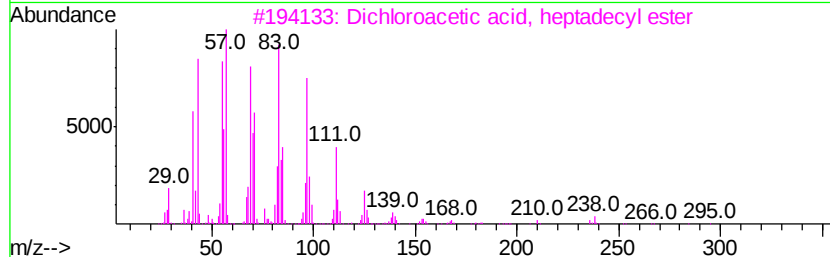
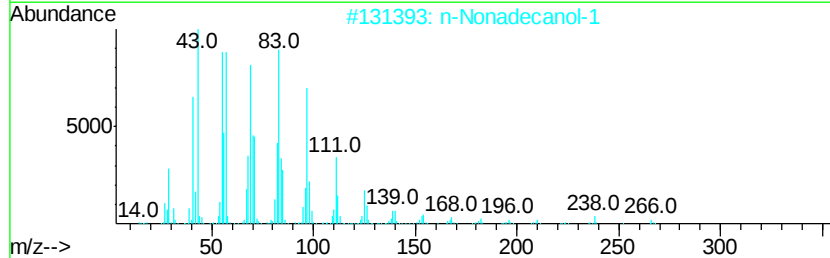
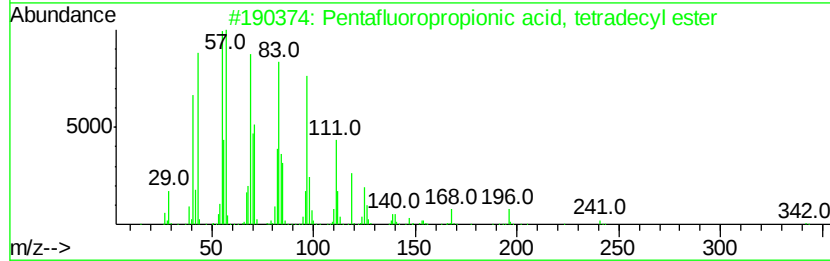
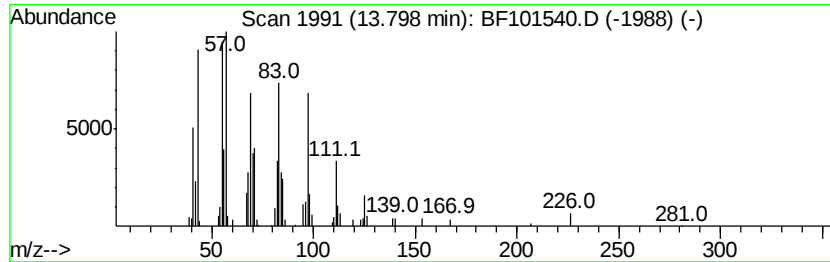
Instrument :  
BNA\_F  
ClientSampleId :  
EPE-125-4(5-9)

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 4 Pentafluoropropionic acid, ... Concentration Rank 4

| R.T.    | EstConc | Area                                | Relative to ISTD | R.T.        |              |      |
|---------|---------|-------------------------------------|------------------|-------------|--------------|------|
| 13.80   | 4.77 ng | 197134                              | Chrysene-d12     | 13.99       |              |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm     | CAS#         | Qual |
| 1       |         | Pentafluoropropionic acid, tetra... | 360              | C17H29F5O2  | 006222-06-6  | 95   |
| 2       |         | n-Nonadecanol-1                     | 284              | C19H40O     | 001454-84-8  | 95   |
| 3       |         | Dichloroacetic acid, heptadecyl ... | 366              | C19H36Cl2O2 | 1000282-98-2 | 95   |
| 4       |         | Tetradecyl trifluoroacetate         | 310              | C16H29F3O2  | 006222-02-2  | 95   |
| 5       |         | Trichloroacetic acid, hexadecyl ... | 386              | C18H33Cl3O2 | 074339-54-1  | 95   |



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA\_F\DATA\BF121917\  
Data File : BF101540.D  
Acq On : 19 Dec 2017 23:18  
Operator : SJ/JU  
Sample : I6924-02  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
EPE-125-4(5-9)

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF121417.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... | 5.02  | 28.0    | ng    | 1293720  | 1                     | 6.81  | 925570 | 20.0 |
| unknown6.58          | 6.58  | 64.4    | ng    | 2981910  | 1                     | 6.81  | 925570 | 20.0 |
| Pentafluoropropio... | 13.80 | 4.8     | ng    | 197134   | 5                     | 13.99 | 827175 | 20.0 |