

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102817\  
 Data File : BF099915.D  
 Acq On : 28 Oct 2017 14:16  
 Operator : SJ/JU  
 Sample : I6071-02  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ENV-116-5(5-10)

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-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         | 5.016       | 495           | 498         | 526          | rBV      | 222997         | 423840        | 13.26%          | 1.836%        |
| 2         | 5.422       | 563           | 567         | 594          | rBV      | 2034732        | 2419452       | 75.70%          | 10.482%       |
| 3         | 6.439       | 735           | 740         | 757          | rBV      | 2118455        | 2459878       | 76.97%          | 10.657%       |
| 4         | 6.563       | 757           | 761         | 764          | rBV      | 2583338        | 2504506       | 78.37%          | 10.850%       |
| 5         | 6.786       | 796           | 799         | 809          | rBV      | 699844         | 604595        | 18.92%          | 2.619%        |
| 6         | 6.939       | 821           | 825         | 840          | rBV      | 2037876        | 2091902       | 65.46%          | 9.062%        |
| 7         | 7.357       | 892           | 896         | 913          | rBV      | 1451467        | 1625071       | 50.85%          | 7.040%        |
| 8         | 8.069       | 1013          | 1017        | 1029         | rBV      | 956808         | 852378        | 26.67%          | 3.693%        |
| 9         | 9.145       | 1194          | 1200        | 1203         | rBV      | 3261156        | 3195931       | 100.00%         | 13.845%       |
| 10        | 9.539       | 1264          | 1267        | 1274         | rVB      | 446930         | 352114        | 11.02%          | 1.525%        |
| 11        | 9.822       | 1311          | 1315        | 1322         | rVB2     | 1108689        | 946223        | 29.61%          | 4.099%        |
| 12        | 10.239      | 1383          | 1386        | 1389         | rVB      | 55819          | 40104         | 1.25%           | 0.174%        |
| 13        | 10.621      | 1447          | 1451        | 1460         | rBV      | 1317596        | 1358020       | 42.49%          | 5.883%        |
| 14        | 10.710      | 1463          | 1466        | 1470         | rBV      | 58757          | 56627         | 1.77%           | 0.245%        |
| 15        | 11.316      | 1565          | 1569        | 1577         | rBV      | 942842         | 821191        | 25.69%          | 3.558%        |
| 16        | 12.898      | 1833          | 1838        | 1841         | rBV2     | 2205569        | 2143283       | 67.06%          | 9.285%        |
| 17        | 13.774      | 1983          | 1987        | 1993         | rBV      | 76898          | 82178         | 2.57%           | 0.356%        |
| 18        | 13.962      | 2015          | 2019        | 2027         | rBV      | 585246         | 521299        | 16.31%          | 2.258%        |
| 19        | 15.427      | 2263          | 2268        | 2278         | rVB      | 415076         | 552302        | 17.28%          | 2.393%        |
| 20        | 16.292      | 2410          | 2415        | 2422         | rVB4     | 19294          | 32175         | 1.01%           | 0.139%        |

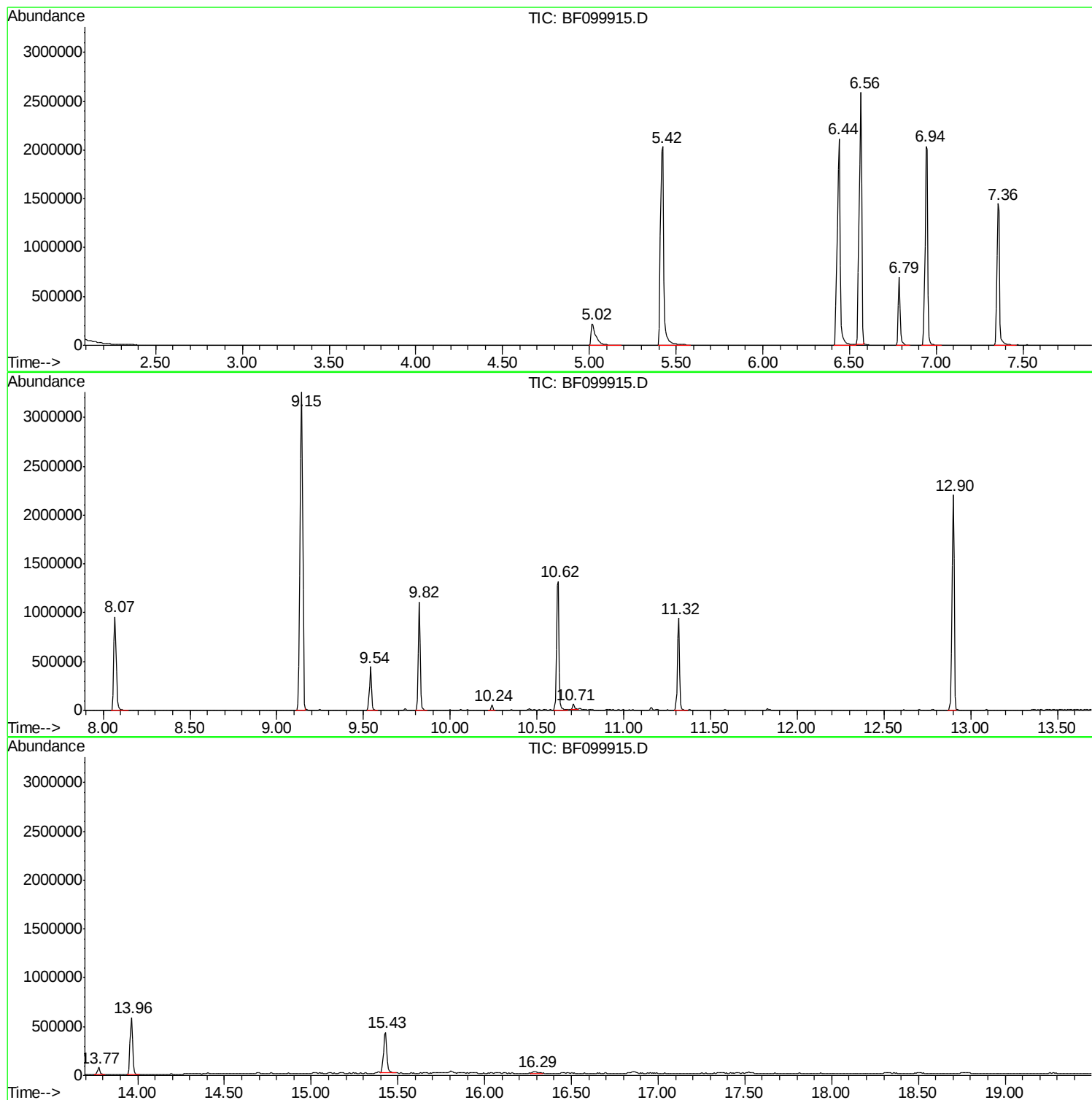
Sum of corrected areas: 23083069

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\  
Data File : BF099915.D  
Acq On : 28 Oct 2017 14:16  
Operator : SJ/JU  
Sample : I6071-02  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
ENV-116-5(5-10)

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



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102817\  
Data File : BF099915.D  
Acq On : 28 Oct 2017 14:16  
Operator : SJ/JU  
Sample : I6071-02  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
ENV-116-5(5-10)

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

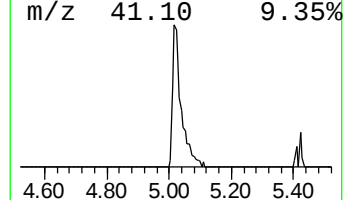
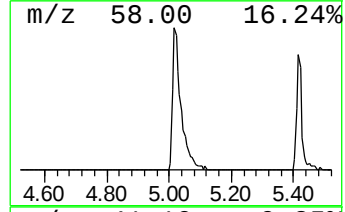
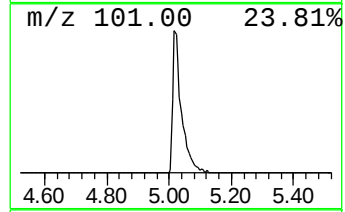
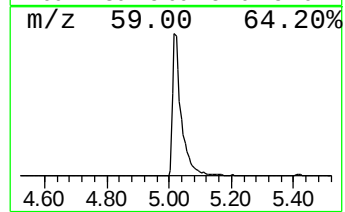
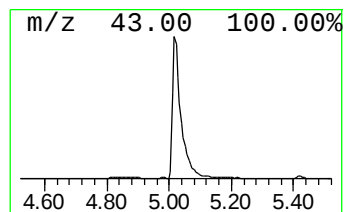
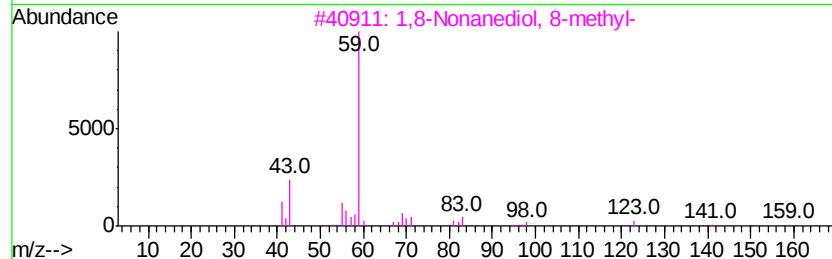
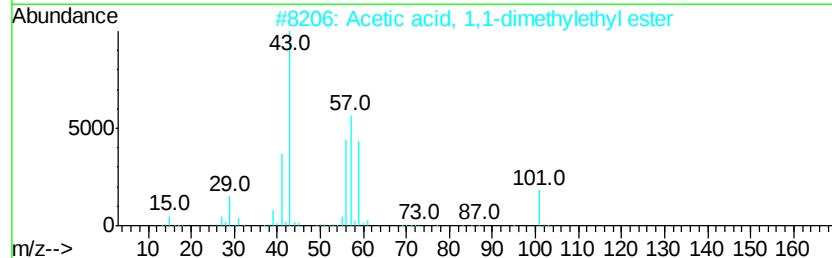
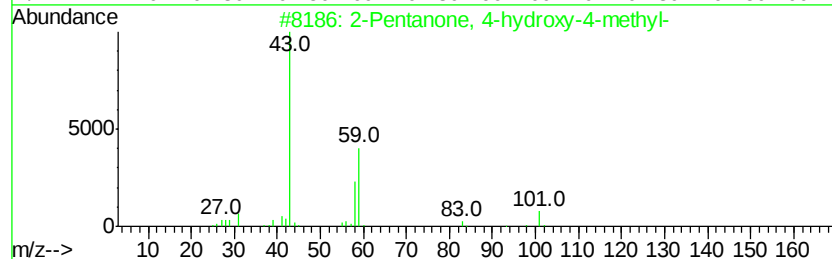
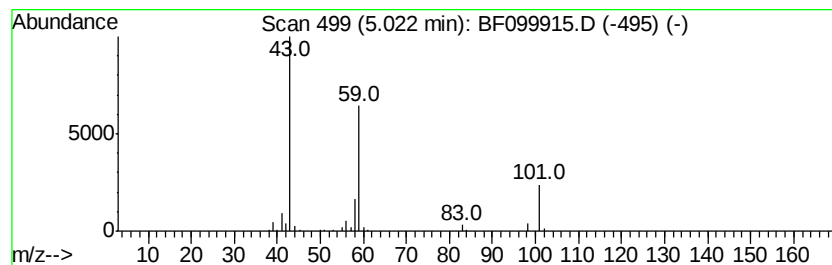
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 5.02 | 14.02 ng | 423840 | 1,4-Dichlorobenzene-d4 | 6.79 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2  | 000540-88-5 | 39   |
| 3    |    | 1,8-Nonanediol, 8-methyl-           | 174 | C10H22O2 | 054725-73-4 | 23   |
| 4    |    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 5    |    | Butane, 1-ethoxy-                   | 102 | C6H14O   | 000628-81-9 | 9    |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102817\  
Data File : BF099915.D  
Acq On : 28 Oct 2017 14:16  
Operator : SJ/JU  
Sample : I6071-02  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
ENV-116-5(5-10)

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

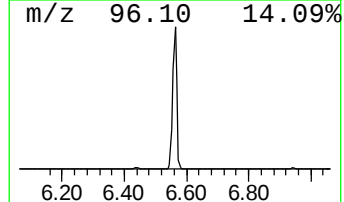
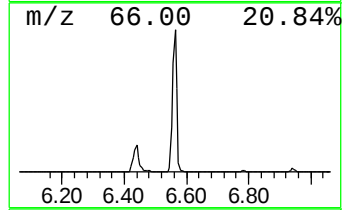
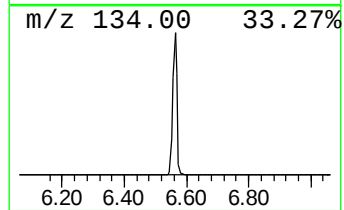
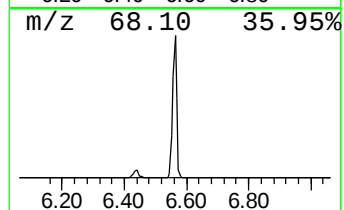
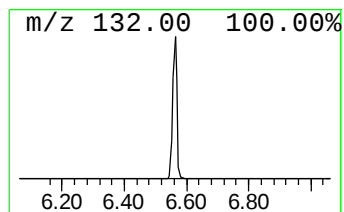
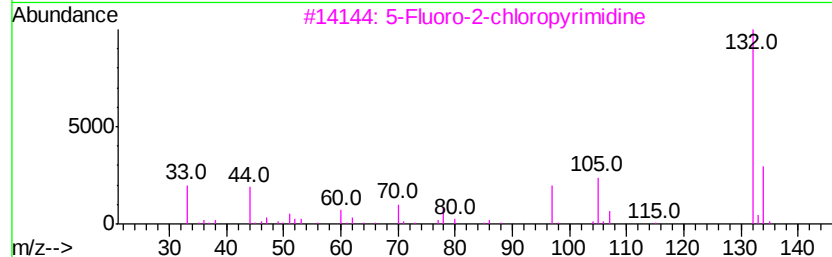
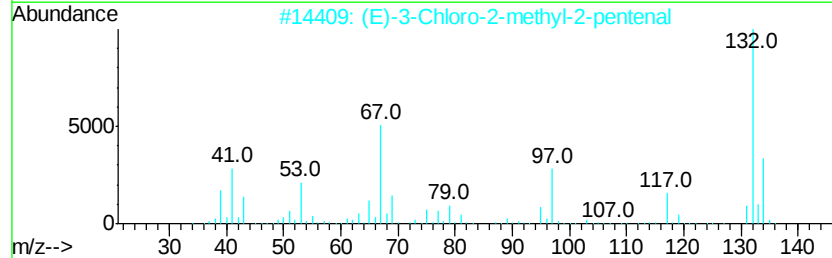
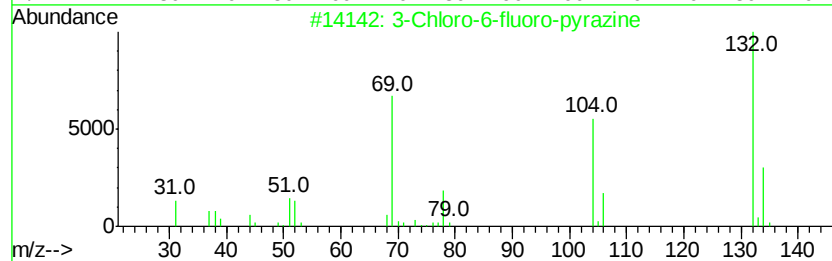
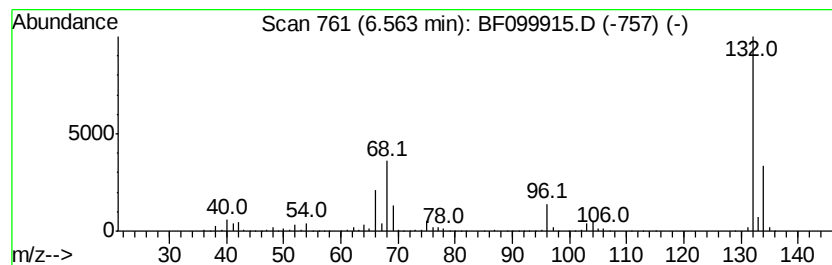
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown6.56 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.56 | 82.85 ng | 2504510 | 1,4-Dichlorobenzene-d4 | 6.79 |

| 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    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 4    |    | 4-Chloro-2-fluoro-pyrimidine        | 132 | C4H2ClFN2 | 051422-00-5  | 9    |
| 5    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102817\  
Data File : BF099915.D  
Acq On : 28 Oct 2017 14:16  
Operator : SJ/JU  
Sample : I6071-02  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
ENV-116-5(5-10)

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

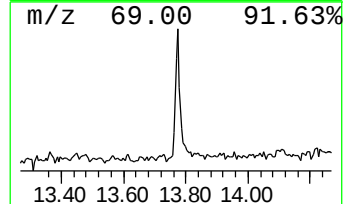
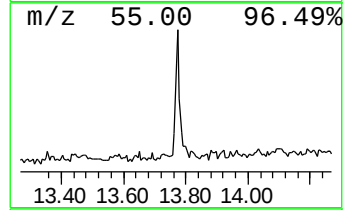
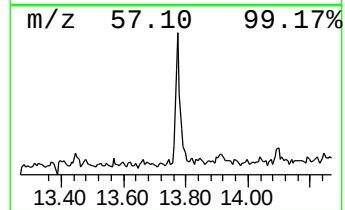
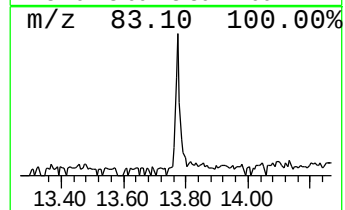
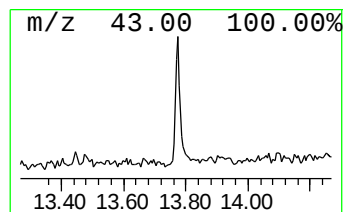
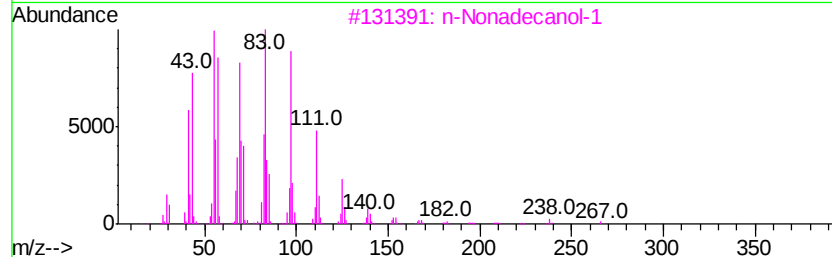
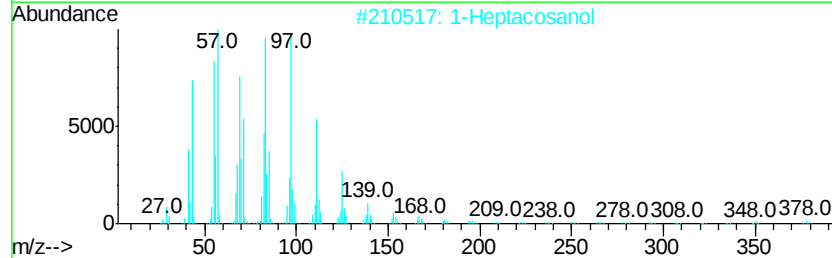
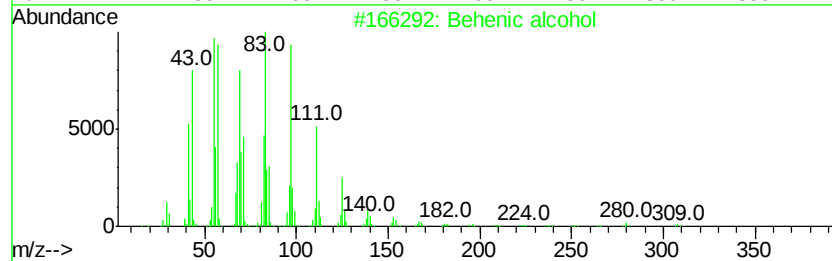
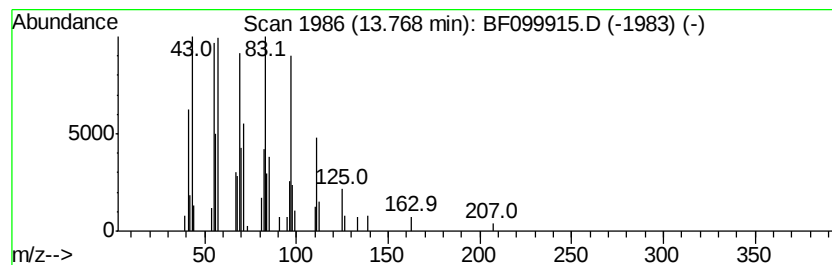
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Behenic alcohol Concentration Rank 4

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 13.77 | 3.15 ng | 82178 | Chrysene-d12     | 13.96 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|---------|---|-------------------------------------|-----|------------|-------------|------|
| 1       |   | Behenic alcohol                     | 326 | C22H46O    | 000661-19-8 | 95   |
| 2       |   | 1-Heptacosanol                      | 396 | C27H56O    | 002004-39-9 | 94   |
| 3       |   | n-Nonadecanol-1                     | 284 | C19H40O    | 001454-84-8 | 91   |
| 4       |   | Heptafluorobutyric acid, n-tetra... | 410 | C18H29F7O2 | 007365-36-8 | 91   |
| 5       |   | 1-Heneicosanol                      | 312 | C21H44O    | 015594-90-8 | 91   |



Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF102817\  
Data File : BF099915.D  
Acq On : 28 Oct 2017 14:16  
Operator : SJ/JU  
Sample : I6071-02  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
ENV-116-5(5-10)

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... | 5.02  | 14.0    | ng    | 423840   | 1                     | 6.79  | 604595 | 20.0 |
| unknown6.56          | 6.56  | 82.8    | ng    | 2504510  | 1                     | 6.79  | 604595 | 20.0 |
| Behenic alcohol      | 13.77 | 3.1     | ng    | 82178    | 5                     | 13.96 | 521299 | 20.0 |