

Data Path : U:\HPCHEM1\BNA F\DATA\BF011818\  
 Data File : BF102203.D  
 Acq On : 18 Jan 2018 20:33  
 Operator : SJ/JU  
 Sample : J1171-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VNJ-232

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-BF010918.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         | 4.922       | 477           | 482         | 490          | rVB      | 144274         | 188726        | 6.59%           | 0.752%        |
| 2         | 5.334       | 547           | 552         | 555          | rBV      | 2616822        | 2715271       | 94.87%          | 10.815%       |
| 3         | 6.363       | 721           | 727         | 731          | rBV      | 2571893        | 2861952       | 100.00%         | 11.399%       |
| 4         | 6.492       | 744           | 749         | 752          | rBV      | 3098992        | 2777961       | 97.07%          | 11.065%       |
| 5         | 6.722       | 784           | 788         | 791          | rBV      | 1158363        | 915066        | 31.97%          | 3.645%        |
| 6         | 6.875       | 810           | 814         | 818          | rBV      | 2369472        | 2049174       | 71.60%          | 8.162%        |
| 7         | 7.286       | 879           | 884         | 887          | rBV      | 1877470        | 1682148       | 58.78%          | 6.700%        |
| 8         | 8.004       | 1001          | 1006        | 1009         | rBV      | 1529506        | 1223571       | 42.75%          | 4.874%        |
| 9         | 9.080       | 1184          | 1189        | 1192         | rBV      | 3147837        | 2612540       | 91.29%          | 10.406%       |
| 10        | 9.157       | 1199          | 1202        | 1204         | rBV      | 51434          | 42378         | 1.48%           | 0.169%        |
| 11        | 9.475       | 1252          | 1256        | 1259         | rBV      | 391744         | 313036        | 10.94%          | 1.247%        |
| 12        | 9.686       | 1289          | 1292        | 1296         | rVB      | 110705         | 84412         | 2.95%           | 0.336%        |
| 13        | 9.757       | 1300          | 1304        | 1308         | rVB      | 1440270        | 1219593       | 42.61%          | 4.858%        |
| 14        | 10.186      | 1374          | 1377        | 1380         | rVB      | 118994         | 91908         | 3.21%           | 0.366%        |
| 15        | 10.404      | 1409          | 1414        | 1417         | rBV2     | 30561          | 41081         | 1.44%           | 0.164%        |
| 16        | 10.469      | 1420          | 1425        | 1427         | rBV      | 180459         | 146877        | 5.13%           | 0.585%        |
| 17        | 10.545      | 1431          | 1438        | 1441         | rBV      | 1553047        | 1433016       | 50.07%          | 5.708%        |
| 18        | 10.657      | 1454          | 1457        | 1465         | rVB      | 92779          | 104183        | 3.64%           | 0.415%        |
| 19        | 11.104      | 1530          | 1533        | 1536         | rBV2     | 55099          | 49485         | 1.73%           | 0.197%        |
| 20        | 11.239      | 1552          | 1556        | 1559         | rBV      | 1242113        | 1004052       | 35.08%          | 3.999%        |
| 21        | 11.621      | 1618          | 1621        | 1625         | rVB      | 41011          | 40467         | 1.41%           | 0.161%        |
| 22        | 12.445      | 1756          | 1761        | 1764         | rBV      | 44752          | 40990         | 1.43%           | 0.163%        |
| 23        | 12.821      | 1821          | 1825        | 1828         | rBV      | 1948565        | 1653616       | 57.78%          | 6.586%        |
| 24        | 13.715      | 1974          | 1977        | 1980         | rBV      | 240695         | 237644        | 8.30%           | 0.947%        |
| 25        | 13.868      | 1999          | 2003        | 2007         | rBV      | 827819         | 808905        | 28.26%          | 3.222%        |
| 26        | 14.957      | 2186          | 2188        | 2199         | rVB2     | 66305          | 89424         | 3.12%           | 0.356%        |
| 27        | 15.292      | 2240          | 2245        | 2249         | rBV      | 596407         | 679008        | 23.73%          | 2.705%        |

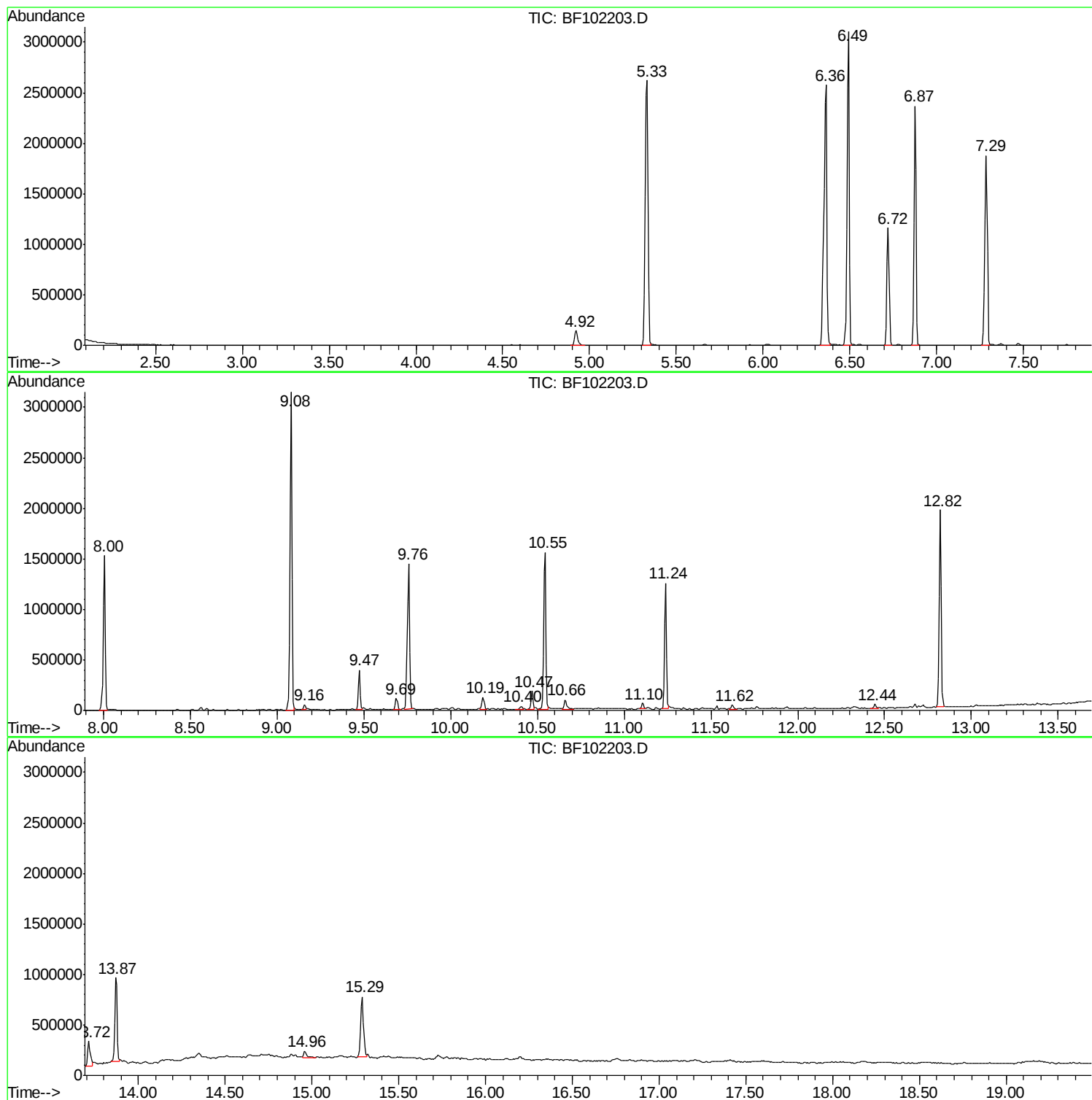
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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampled :  
VNJ-232

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF010918.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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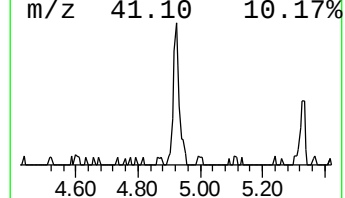
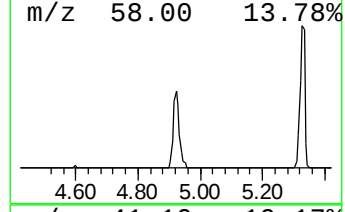
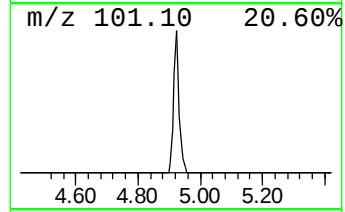
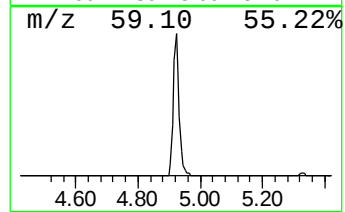
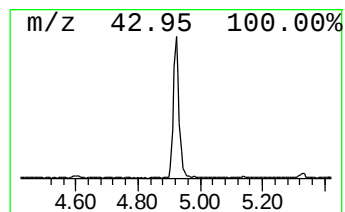
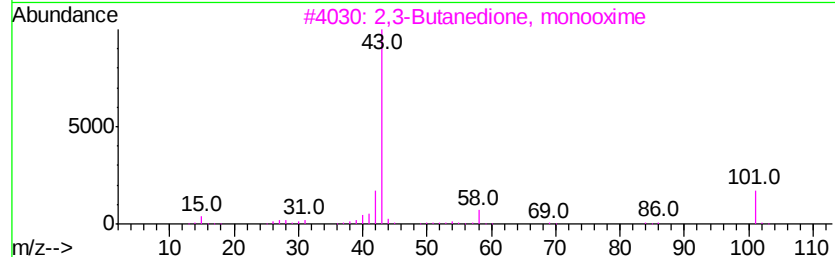
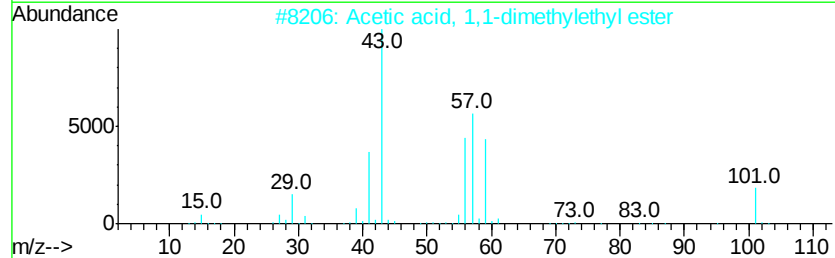
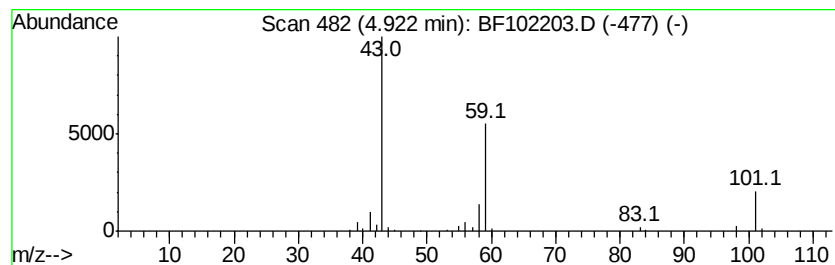
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TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 4.92 | 4.12 ng | 188726 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | 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    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2 | 000057-71-6 | 9    |
| 4    |    |   | Morpholine, 4-methyl-               | 101 | C5H11NO | 000109-02-4 | 9    |
| 5    |    |   | 1-Propen-2-ol, acetate              | 100 | C5H8O2  | 000108-22-5 | 9    |



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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
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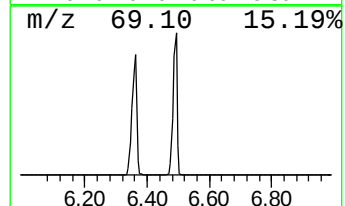
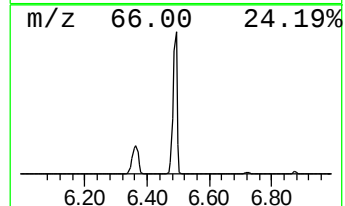
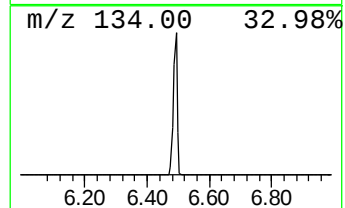
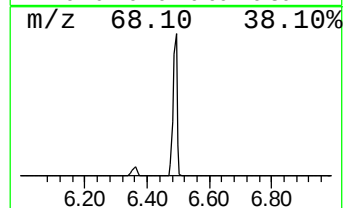
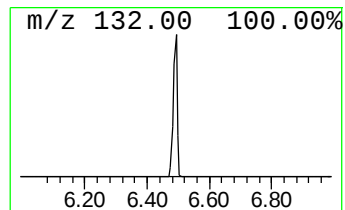
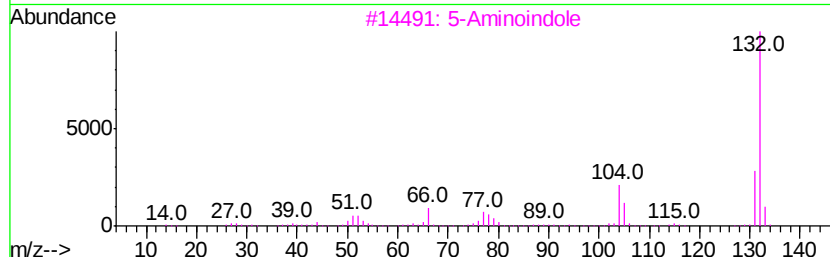
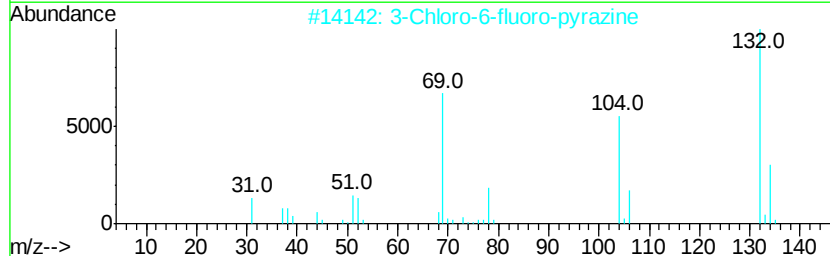
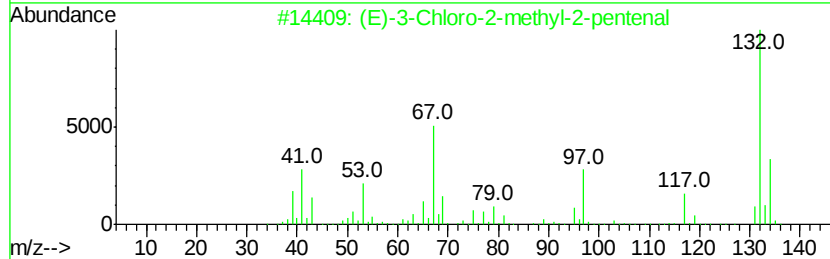
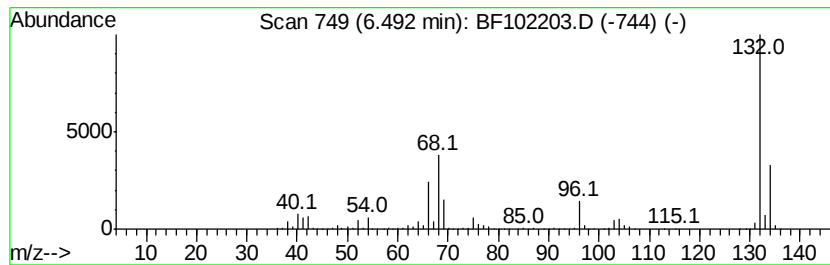
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 unknown6.49 Concentration Rank 1

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.49 | 60.72 ng | 2777960 | 1,4-Dichlorobenzene-d4 | 6.72 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 17   |
| 2    |    | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 16   |
| 3    |    | 5-Aminoindole                       | 132 | C8H8N2    | 005192-03-0  | 12   |
| 4    |    | Tranylcypromine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 5    |    | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2    | 022291-85-6  | 9    |



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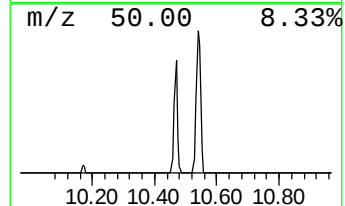
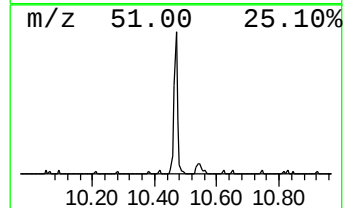
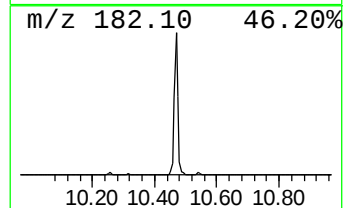
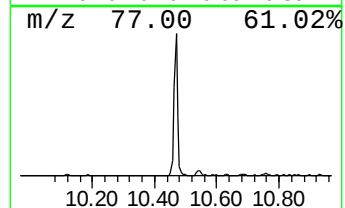
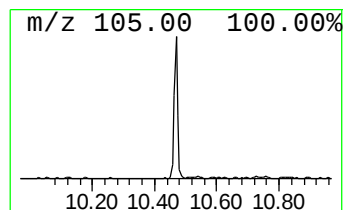
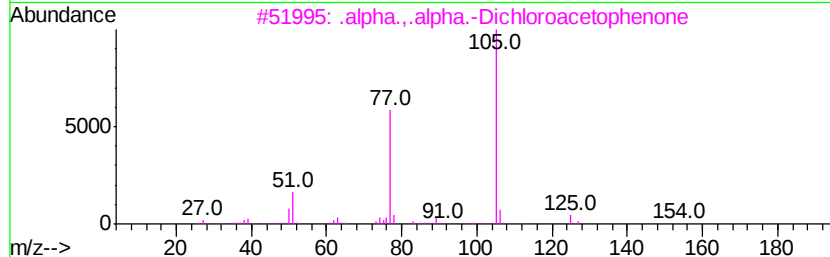
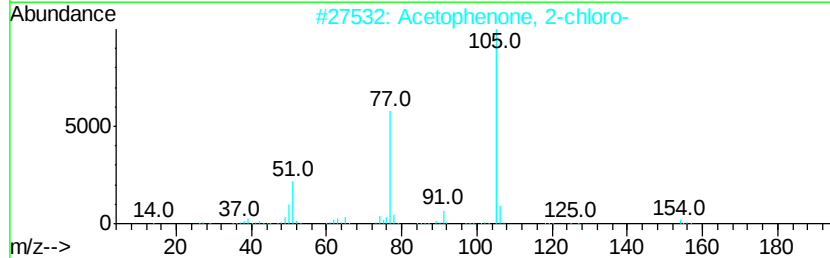
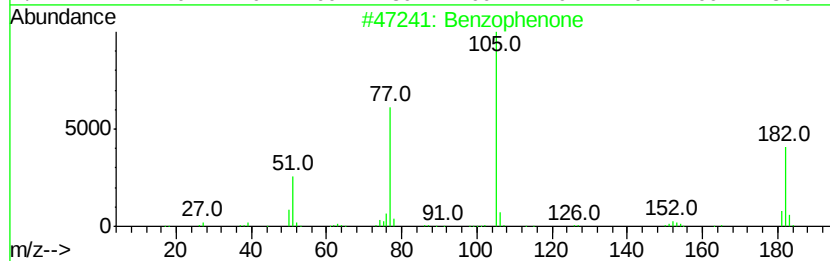
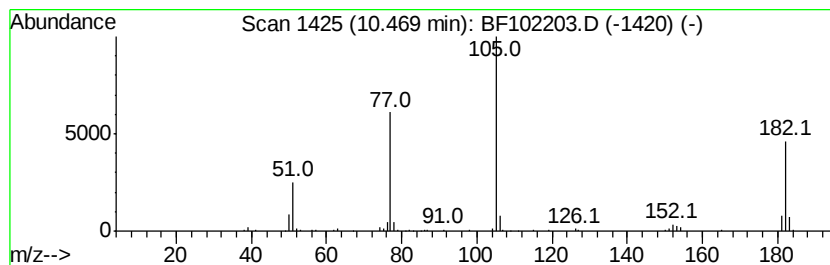
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Benzophenone Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T. |
|-------|---------|--------|------------------|------|
| 10.47 | 2.41 ng | 146877 | Acenaphthene-d10 | 9.76 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|-------------------------------------|-----|----------|-------------|------|
| 1    | 5  | Benzophenone                        | 182 | C13H10O  | 000119-61-9 | 94   |
| 2    |    | Acetophenone, 2-chloro-             | 154 | C8H7ClO  | 000532-27-4 | 49   |
| 3    |    | .alpha.,.alpha.-Dichloroacetophe... | 188 | C8H6Cl2O | 002648-61-5 | 47   |
| 4    |    | Phenacylidene diacetate             | 236 | C12H12O5 | 005062-30-6 | 47   |
| 5    |    | Benzenebutanoic acid, .gamma.-oxo-  | 178 | C10H10O3 | 002051-95-8 | 47   |



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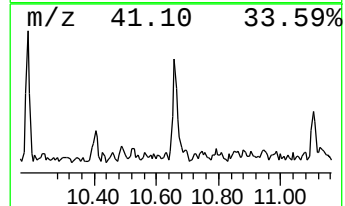
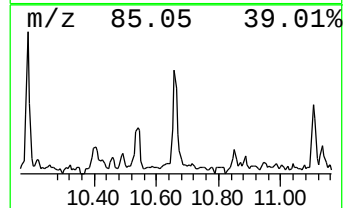
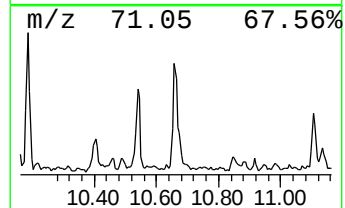
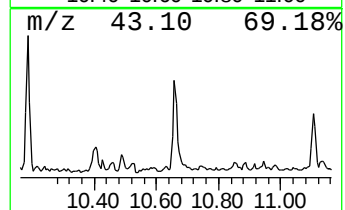
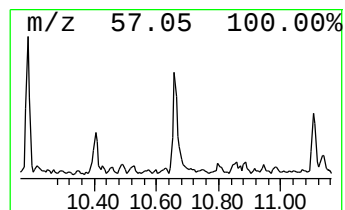
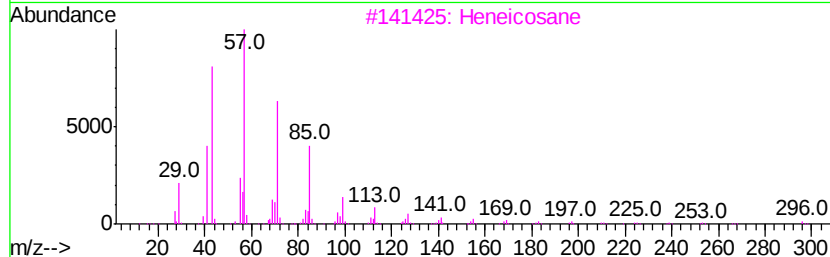
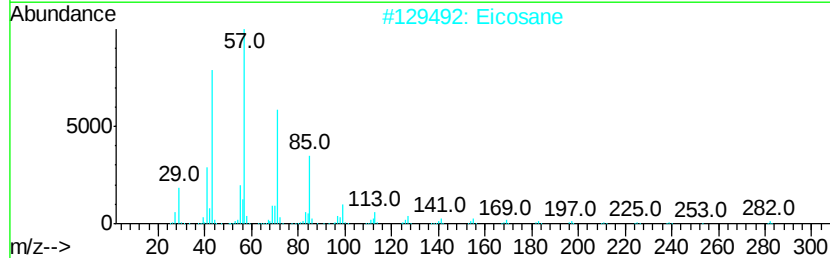
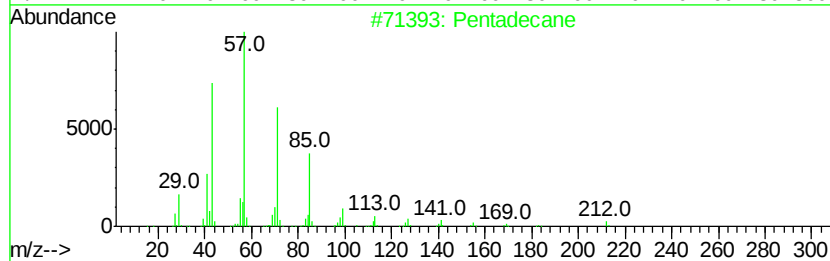
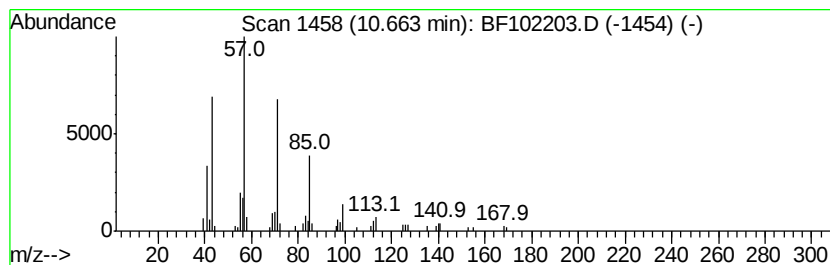
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Pentadecane Concentration Rank 7

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 10.66 | 2.08 ng | 104183 | Phenanthrene-d10 | 11.24 |

| Hit# of | 5                            | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|------------------------------|--------------|-----|---------|-------------|------|
| 1       | Pentadecane                  |              | 212 | C15H32  | 000629-62-9 | 90   |
| 2       | Eicosane                     |              | 282 | C20H42  | 000112-95-8 | 87   |
| 3       | Heneicosane                  |              | 296 | C21H44  | 000629-94-7 | 86   |
| 4       | Dodecane, 2-methyl-6-propyl- |              | 226 | C16H34  | 055045-08-4 | 86   |
| 5       | Hexadecane                   |              | 226 | C16H34  | 000544-76-3 | 86   |



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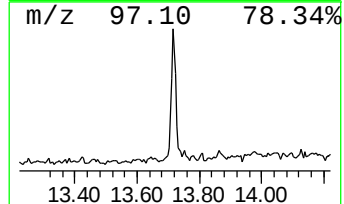
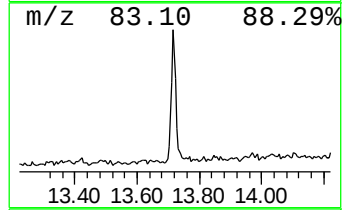
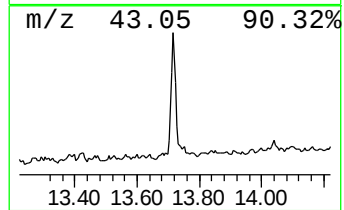
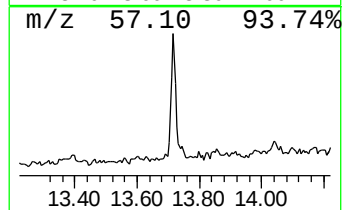
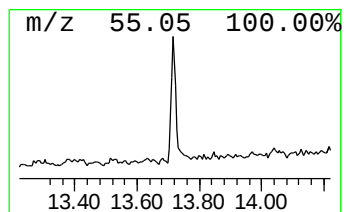
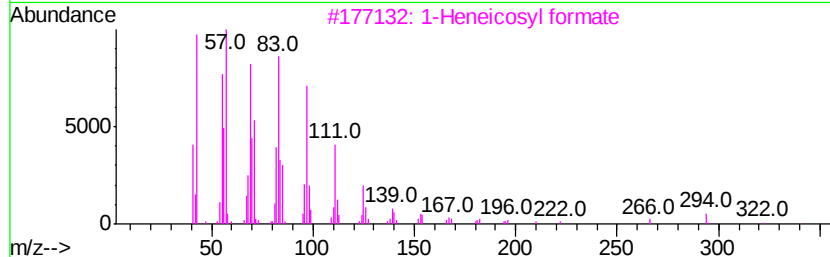
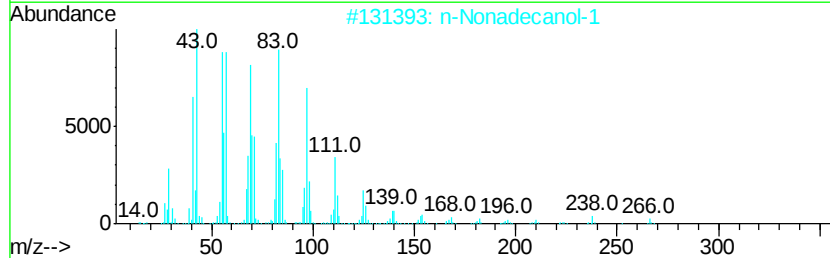
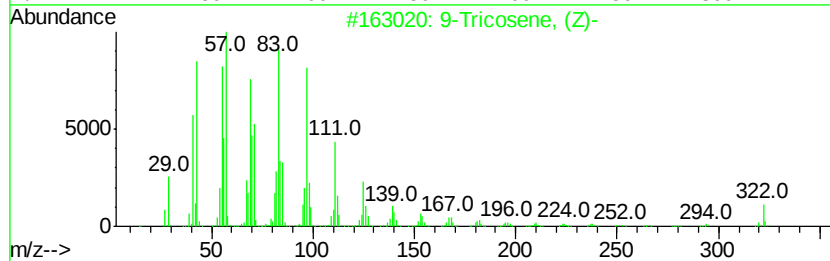
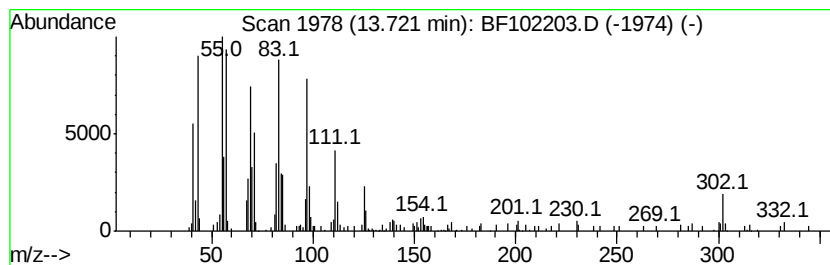
TIC Library : C:\DATABASE\NIST11.L  
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Peak Number 6 9-Tricosene, (Z)- Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.72 | 5.88 ng | 237644 | Chrysene-d12     | 13.87 |

| Hit# of 5 | Tentative ID         | MW  | MolForm  | CAS#        | Qual |
|-----------|----------------------|-----|----------|-------------|------|
| 1         | 9-Tricosene, (Z)-    | 322 | C23H46   | 027519-02-4 | 96   |
| 2         | n-Nonadecanol-1      | 284 | C19H40O  | 001454-84-8 | 95   |
| 3         | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 95   |
| 4         | 1-Heneicosanol       | 312 | C21H44O  | 015594-90-8 | 95   |
| 5         | Behenic alcohol      | 326 | C22H46O  | 000661-19-8 | 95   |



Data Path : U:\HPCHEM1\BNA\_F\DATA\BF011818\  
Data File : BF102203.D  
Acq On : 18 Jan 2018 20:33  
Operator : SJ/JU  
Sample : J1171-01  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-232

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF010918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

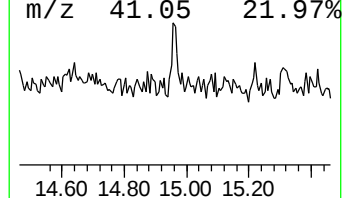
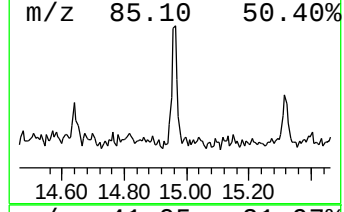
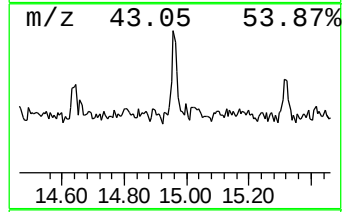
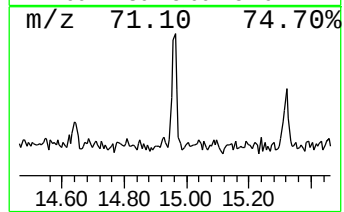
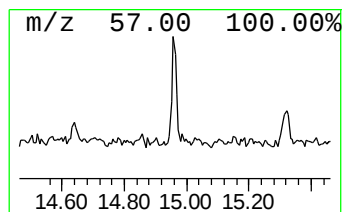
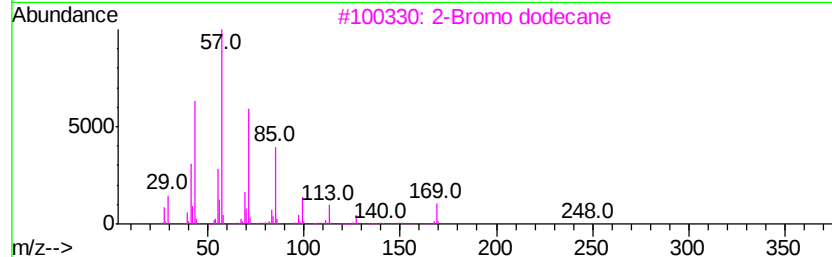
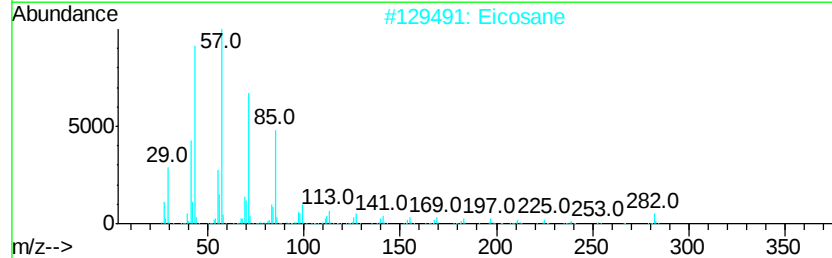
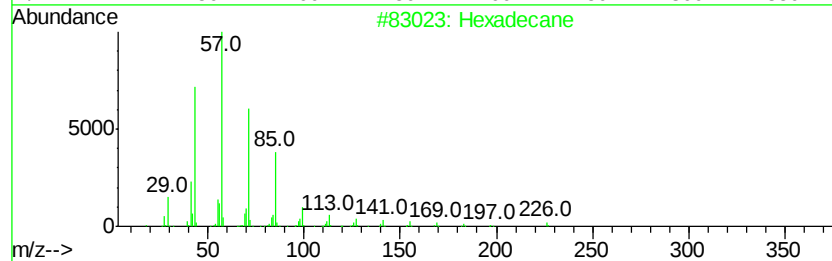
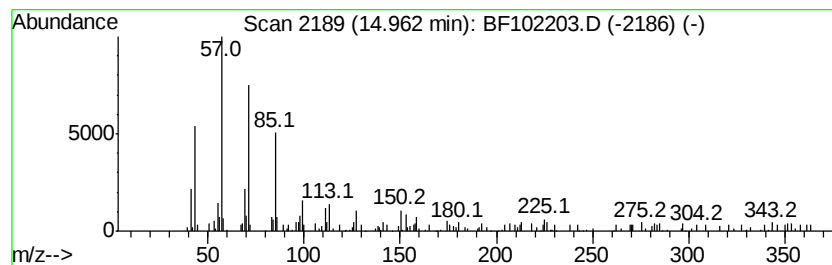
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 7 Hexadecane Concentration Rank 5

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.96 | 2.63 ng | 89424 | Perylene-d12     | 15.29 |

| Hit# of | 5                | Tentative ID | MW  | MolForm  | CAS#        | Qual |
|---------|------------------|--------------|-----|----------|-------------|------|
| 1       | Hexadecane       |              | 226 | C16H34   | 000544-76-3 | 91   |
| 2       | Eicosane         |              | 282 | C20H42   | 000112-95-8 | 86   |
| 3       | 2-Bromo dodecane |              | 248 | C12H25Br | 013187-99-0 | 83   |
| 4       | 1-Chloroeicosane |              | 316 | C20H41Cl | 042217-02-7 | 64   |
| 5       | 1-Bromoeicosane  |              | 360 | C20H41Br | 004276-49-7 | 58   |



Data Path : U:\HPCHEM1\BNA\_F\DATA\BF011818\  
Data File : BF102203.D  
Acq On : 18 Jan 2018 20:33  
Operator : SJ/JU  
Sample : J1171-01  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
VNJ-232

Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF010918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| 2-Pentanone, 4-hy... | 4.92  | 4.1 ng  |       | 188726   | 1                     | 6.72  | 915066  | 20.0 |
| unknown6.49          | 6.49  | 60.7 ng |       | 2777960  | 1                     | 6.72  | 915066  | 20.0 |
| Benzophenone         | 10.47 | 2.4 ng  |       | 146877   | 3                     | 9.76  | 1219590 | 20.0 |
| Pentadecane          | 10.66 | 2.1 ng  |       | 104183   | 4                     | 11.24 | 1004050 | 20.0 |
| 9-Tricosene, (Z)-    | 13.72 | 5.9 ng  |       | 237644   | 5                     | 13.87 | 808905  | 20.0 |
| Hexadecane           | 14.96 | 2.6 ng  |       | 89424    | 6                     | 15.29 | 679008  | 20.0 |