

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF021319\  
 Data File : BF112549.D  
 Acq On : 13 Feb 2019 20:04  
 Operator : JU/SJ  
 Sample : K1458-11 2X  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-7

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012519.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         | 5.045       | 499           | 503         | 512          | rBV      | 30058          | 40428         | 4.12%           | 0.377%        |
| 2         | 5.469       | 572           | 575         | 591          | rBV      | 643241         | 840590        | 85.73%          | 7.838%        |
| 3         | 6.487       | 745           | 748         | 766          | rBV      | 749982         | 980498        | 100.00%         | 9.143%        |
| 4         | 6.616       | 766           | 770         | 777          | rVV      | 953773         | 964318        | 98.35%          | 8.992%        |
| 5         | 6.834       | 804           | 807         | 814          | rBV      | 665241         | 604460        | 61.65%          | 5.636%        |
| 6         | 6.992       | 830           | 834         | 841          | rBV      | 859462         | 734642        | 74.93%          | 6.850%        |
| 7         | 7.104       | 850           | 853         | 857          | rBV2     | 15422          | 16055         | 1.64%           | 0.150%        |
| 8         | 7.228       | 868           | 874         | 876          | rBV3     | 9514           | 11556         | 1.18%           | 0.108%        |
| 9         | 7.398       | 900           | 903         | 912          | rBV      | 497148         | 525857        | 53.63%          | 4.903%        |
| 10        | 7.757       | 962           | 964         | 968          | rVB2     | 16967          | 14188         | 1.45%           | 0.132%        |
| 11        | 7.863       | 979           | 982         | 987          | rBV6     | 7417           | 11751         | 1.20%           | 0.110%        |
| 12        | 8.122       | 1022          | 1026        | 1032         | rBV      | 659663         | 679377        | 69.29%          | 6.335%        |
| 13        | 8.175       | 1032          | 1035        | 1037         | rVV      | 28604          | 32458         | 3.31%           | 0.303%        |
| 14        | 8.198       | 1037          | 1039        | 1046         | rVB5     | 10736          | 14496         | 1.48%           | 0.135%        |
| 15        | 8.410       | 1068          | 1075        | 1080         | rBV6     | 14699          | 26609         | 2.71%           | 0.248%        |
| 16        | 8.533       | 1092          | 1096        | 1098         | rBV      | 26033          | 21298         | 2.17%           | 0.199%        |
| 17        | 8.657       | 1113          | 1117        | 1120         | rBV5     | 8220           | 11867         | 1.21%           | 0.111%        |
| 18        | 8.704       | 1123          | 1125        | 1130         | rBV3     | 11149          | 12486         | 1.27%           | 0.116%        |
| 19        | 8.804       | 1138          | 1142        | 1145         | rVB4     | 10138          | 13391         | 1.37%           | 0.125%        |
| 20        | 8.992       | 1171          | 1174        | 1177         | rBV5     | 6736           | 11728         | 1.20%           | 0.109%        |
| 21        | 9.133       | 1196          | 1198        | 1202         | rVB2     | 25097          | 20654         | 2.11%           | 0.193%        |
| 22        | 9.192       | 1204          | 1208        | 1218         | rVV      | 950818         | 919181        | 93.75%          | 8.571%        |
| 23        | 9.269       | 1218          | 1221        | 1226         | rVV4     | 24912          | 39375         | 4.02%           | 0.367%        |
| 24        | 9.310       | 1226          | 1228        | 1237         | rVB7     | 7935           | 16879         | 1.72%           | 0.157%        |
| 25        | 9.586       | 1271          | 1275        | 1280         | rBV      | 82181          | 94063         | 9.59%           | 0.877%        |
| 26        | 9.739       | 1298          | 1301        | 1304         | rBV3     | 10796          | 12041         | 1.23%           | 0.112%        |
| 27        | 9.780       | 1304          | 1308        | 1312         | rBV3     | 15036          | 17946         | 1.83%           | 0.167%        |
| 28        | 9.875       | 1320          | 1324        | 1332         | rBV      | 721919         | 674408        | 68.78%          | 6.289%        |
| 29        | 10.516      | 1430          | 1433        | 1439         | rVB4     | 8483           | 10721         | 1.09%           | 0.100%        |
| 30        | 10.674      | 1456          | 1460        | 1468         | rBV      | 362018         | 420762        | 42.91%          | 3.923%        |
| 31        | 10.786      | 1473          | 1479        | 1482         | rVB4     | 10590          | 14838         | 1.51%           | 0.138%        |
| 32        | 11.245      | 1555          | 1557        | 1563         | rVB4     | 8781           | 9996          | 1.02%           | 0.093%        |
| 33        | 11.369      | 1574          | 1578        | 1587         | rBV      | 598106         | 620869        | 63.32%          | 5.789%        |
| 34        | 11.880      | 1662          | 1665        | 1672         | rBV3     | 61432          | 86218         | 8.79%           | 0.804%        |

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ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-7

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:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012519.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 35 | 12.298 | 1733 | 1736 | 1739 | rVB3 | 13113  | 15974  | 1.63%  | 0.149% |
| 36 | 12.545 | 1774 | 1778 | 1780 | rBV5 | 14188  | 18292  | 1.87%  | 0.171% |
| 37 | 12.592 | 1782 | 1786 | 1787 | rBV2 | 14723  | 19764  | 2.02%  | 0.184% |
| 38 | 12.610 | 1787 | 1789 | 1795 | rVB7 | 18686  | 24473  | 2.50%  | 0.228% |
| 39 | 12.680 | 1797 | 1801 | 1805 | rBV6 | 22670  | 43772  | 4.46%  | 0.408% |
| 40 | 12.733 | 1808 | 1810 | 1813 | rBV3 | 37913  | 39296  | 4.01%  | 0.366% |
| 41 | 12.816 | 1821 | 1824 | 1826 | rBV3 | 25108  | 33535  | 3.42%  | 0.313% |
| 42 | 12.945 | 1842 | 1846 | 1852 | rBV  | 890180 | 746908 | 76.18% | 6.965% |
| 43 | 13.833 | 1995 | 1997 | 2001 | rBV2 | 64001  | 74222  | 7.57%  | 0.692% |
| 44 | 14.015 | 2024 | 2028 | 2034 | rBV  | 613958 | 598920 | 61.08% | 5.585% |
| 45 | 14.457 | 2101 | 2103 | 2108 | rBV  | 84994  | 90618  | 9.24%  | 0.845% |
| 46 | 15.098 | 2209 | 2212 | 2217 | rVB  | 132971 | 146484 | 14.94% | 1.366% |
| 47 | 15.498 | 2277 | 2280 | 2285 | rVB  | 273564 | 346177 | 35.31% | 3.228% |

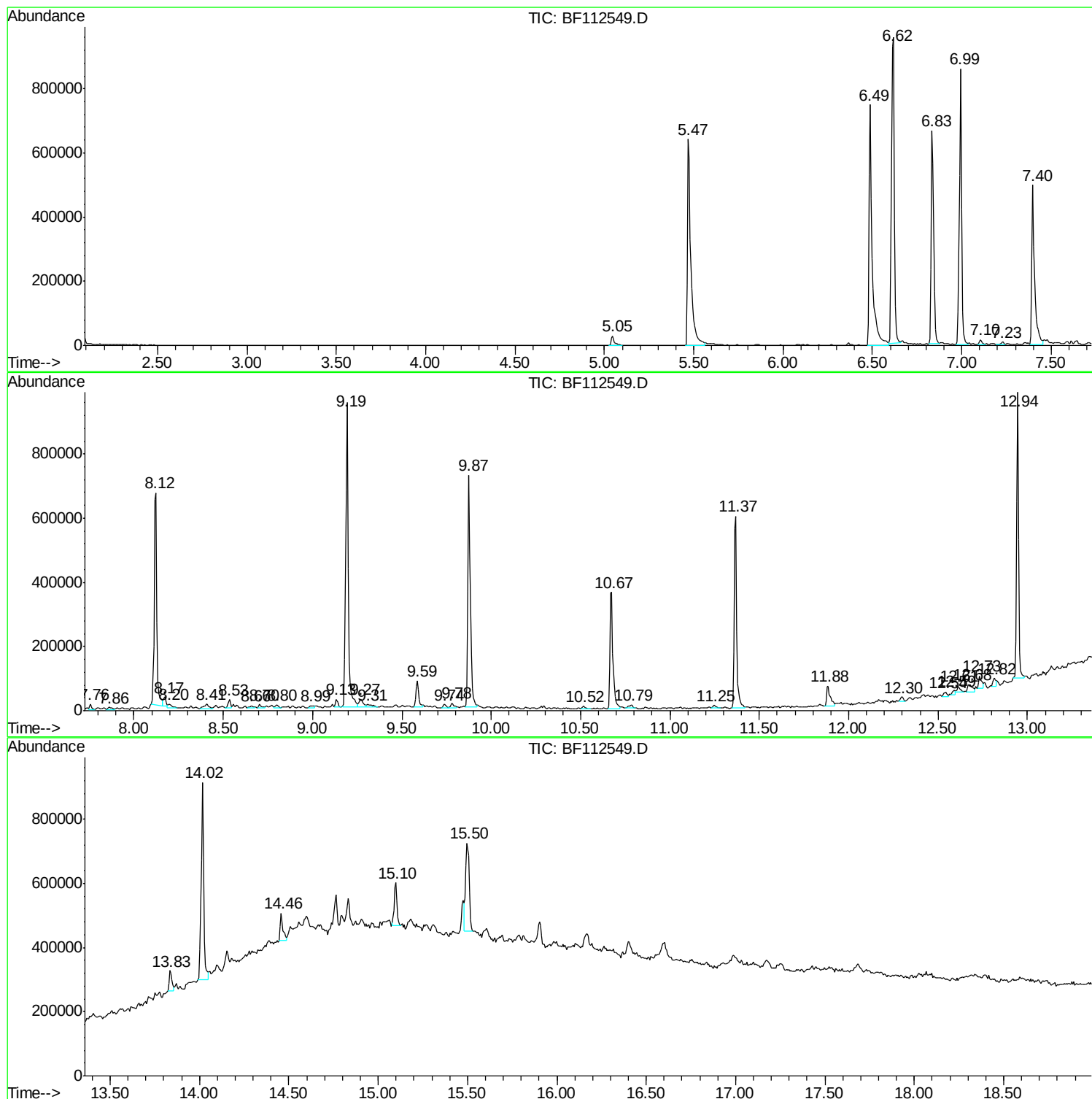
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ALS Vial : 23 Sample Multiplier: 1

Instrument :  
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ClientSampled :  
SB-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.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:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

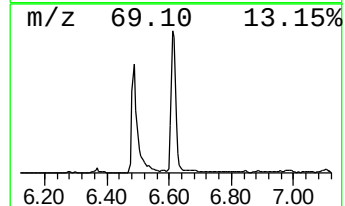
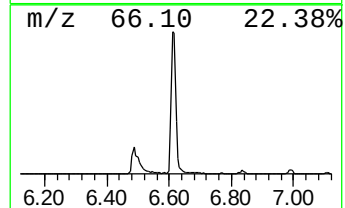
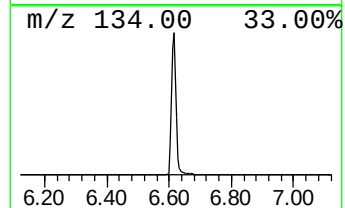
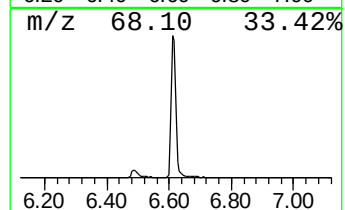
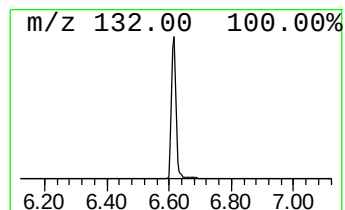
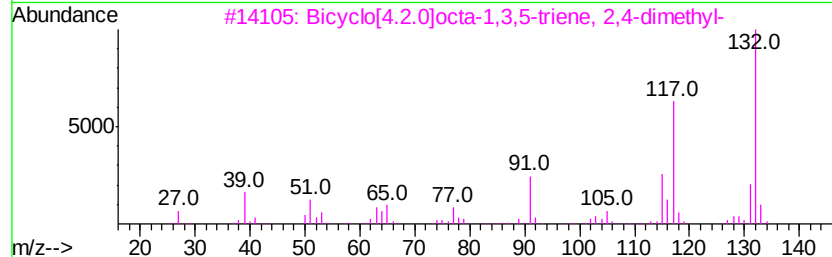
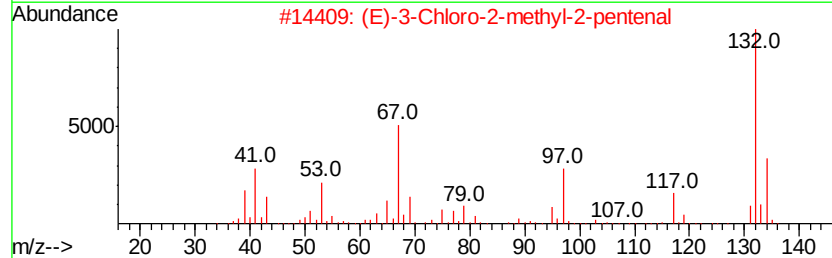
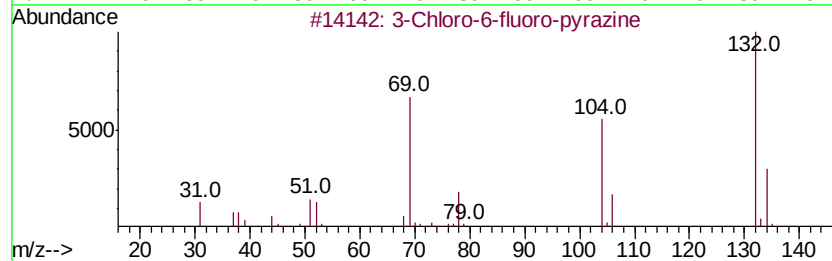
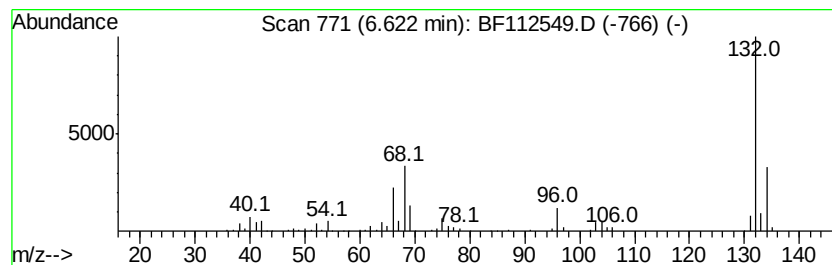
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown6.62 Concentration Rank 1

| R.T. | EstConc  | Area   | Relative to ISTD       | R.T. |
|------|----------|--------|------------------------|------|
| 6.62 | 31.91 ng | 964318 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 3-Chloro-6-fluoro-pyrazine          | 132 | C4H2ClFN2 | 1000146-10-7 | 25   |
| 2    |    | (E)-3-Chloro-2-methyl-2-pentenal    | 132 | C6H9ClO   | 031357-76-3  | 25   |
| 3    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 4    |    | 5-Fluoro-2-chloropyrimidine         | 132 | C4H2ClFN2 | 062802-42-0  | 9    |
| 5    |    | Cyclopropanamine, 1-phenyl-         | 133 | C9H11N    | 1000351-26-2 | 9    |



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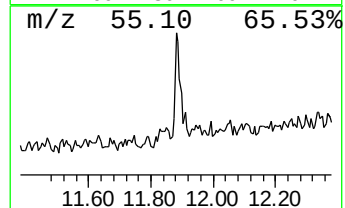
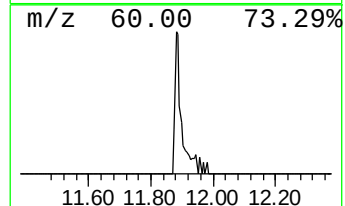
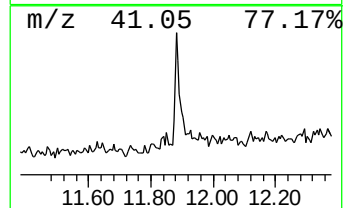
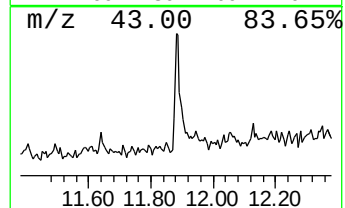
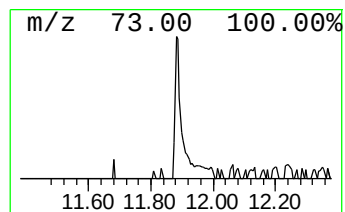
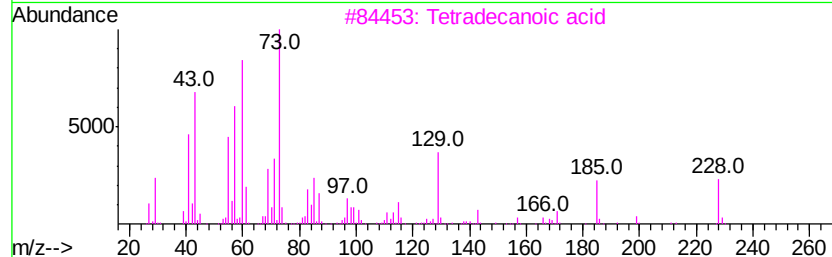
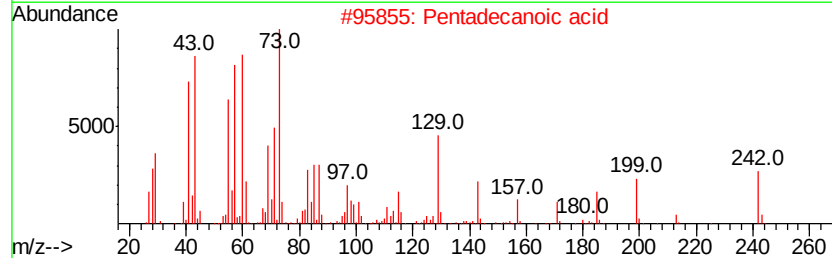
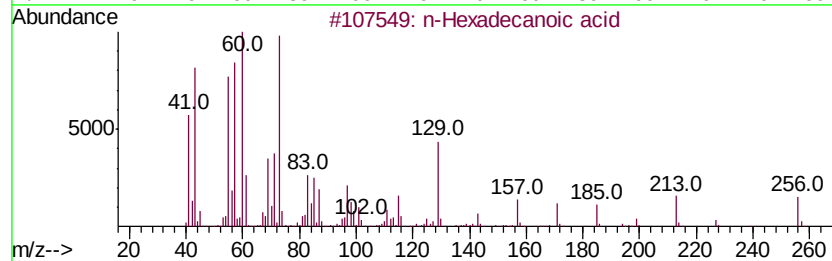
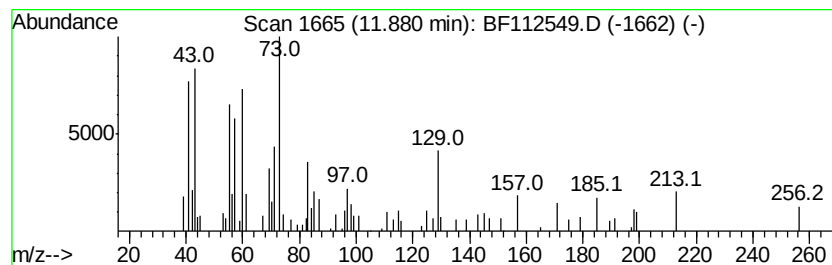
Instrument :  
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 n-Hexadecanoic acid Concentration Rank 5

| R.T.      | EstConc                        | Area  | Relative to ISTD |             | R.T.  |
|-----------|--------------------------------|-------|------------------|-------------|-------|
| 11.88     | 2.78 ng                        | 86218 | Phenanthrene-d10 |             | 11.37 |
| Hit# of 5 | Tentative ID                   | MW    | MolForm          | CAS#        | Qual  |
| 1         | n-Hexadecanoic acid            | 256   | C16H32O2         | 000057-10-3 | 97    |
| 2         | Pentadecanoic acid             | 242   | C15H30O2         | 001002-84-2 | 64    |
| 3         | Tetradecanoic acid             | 228   | C14H28O2         | 000544-63-8 | 64    |
| 4         | Decanoic acid, silver(1+) salt | 278   | C10H19AgO2       | 013126-67-5 | 58    |
| 5         | n-Decanoic acid                | 172   | C10H20O2         | 000334-48-5 | 53    |



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ALS Vial : 23 Sample Multiplier: 1

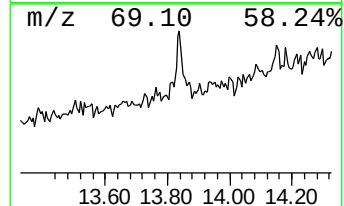
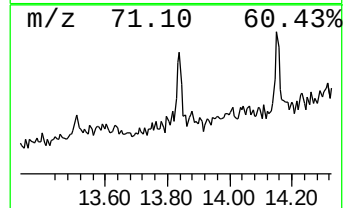
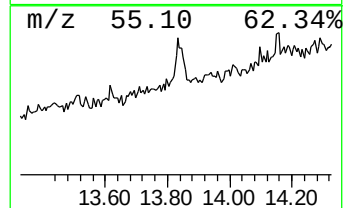
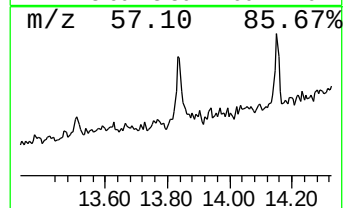
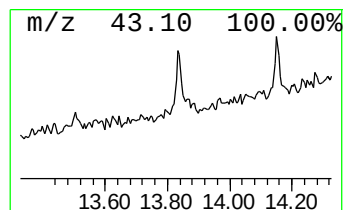
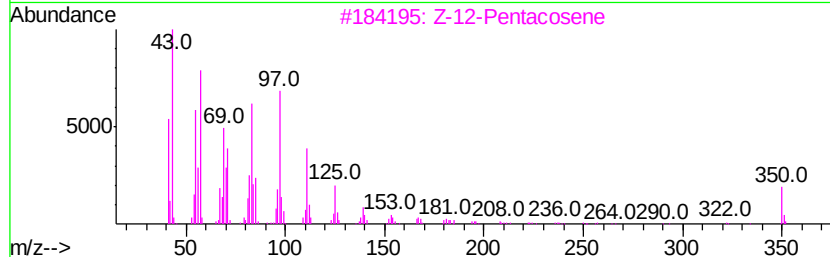
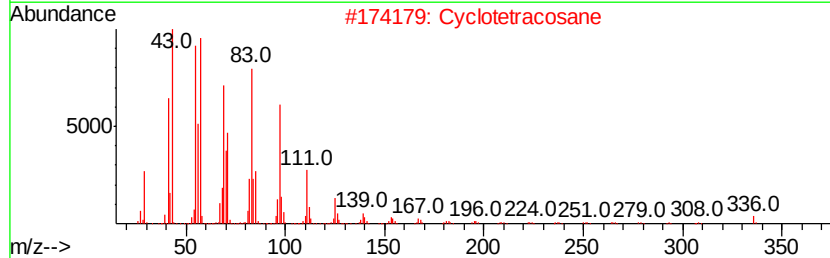
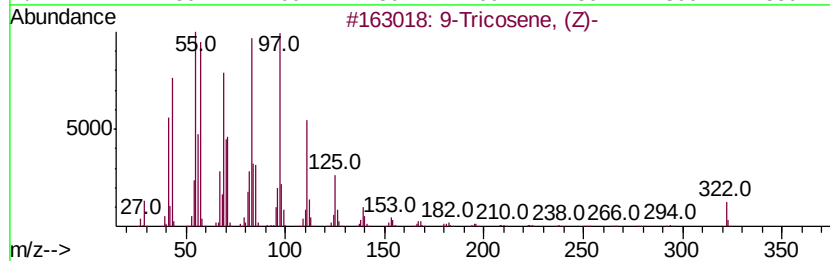
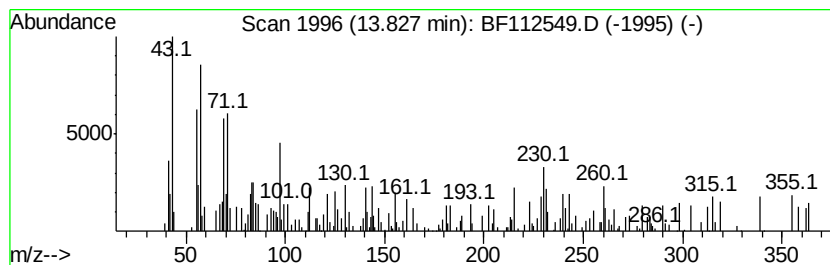
Instrument :  
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ClientSampleId :  
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 4 9-Tricosene, (Z)- Concentration Rank 6

| R.T.    | EstConc                       | Area           | Relative to ISTD | R.T.      |
|---------|-------------------------------|----------------|------------------|-----------|
| 13.83   | 2.48 ng                       | 74222          | Chrysene-d12     | 14.02     |
| Hit# of | 5                             | Tentative ID   | MW MolForm       | CAS# Qual |
| 1       | 9-Tricosene, (Z)-             | 322 C23H46     | 027519-02-4      | 87        |
| 2       | Cyclotetracosane              | 336 C24H48     | 000297-03-0      | 84        |
| 3       | Z-12-Pentacosene              | 350 C25H50     | 1000131-09-4     | 78        |
| 4       | Hexacosyl heptafluorobutyrte  | 578 C30H53F7O2 | 1000351-83-3     | 58        |
| 5       | Docosyl pentafluoropropionate | 472 C25H45F5O2 | 1000351-80-9     | 58        |



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Instrument :  
BNA\_F  
ClientSampled :  
SB-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

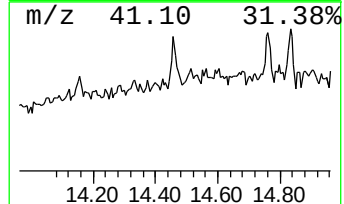
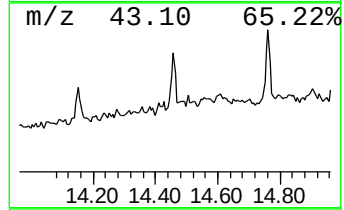
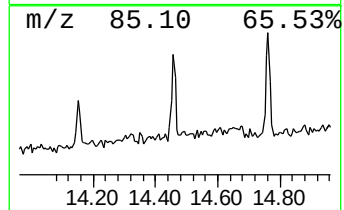
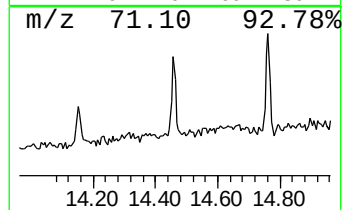
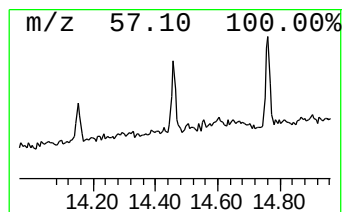
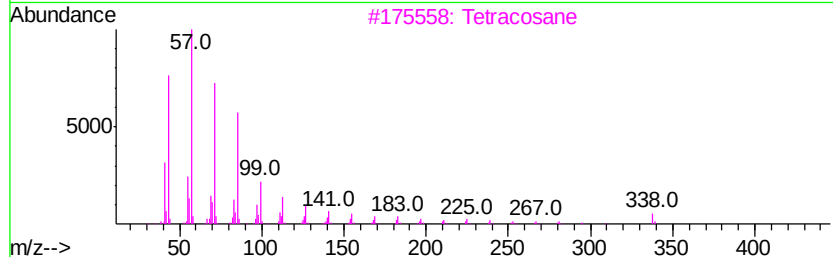
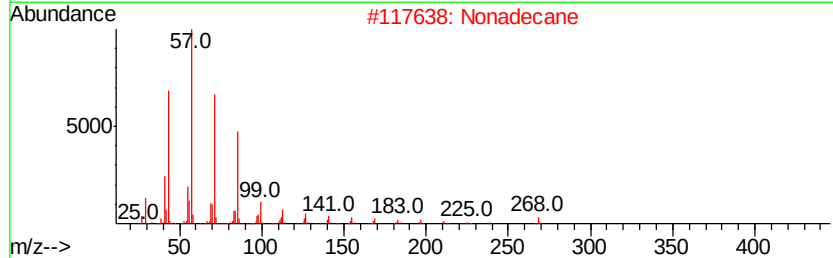
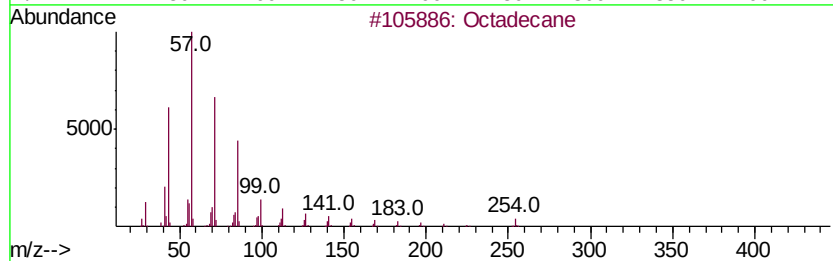
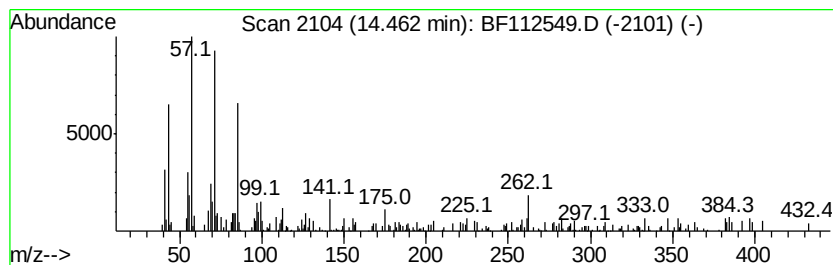
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Octadecane Concentration Rank 4

| R.T.  | EstConc | Area  | Relative to ISTD | R.T.  |
|-------|---------|-------|------------------|-------|
| 14.46 | 3.03 ng | 90618 | Chrysene-d12     | 14.02 |

| Hit# of | 5                                   | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------------------------------|--------------|-----|---------|-------------|------|
| 1       | Octadecane                          |              | 254 | C18H38  | 000593-45-3 | 95   |
| 2       | Nonadecane                          |              | 268 | C19H40  | 000629-92-5 | 94   |
| 3       | Tetracosane                         |              | 338 | C24H50  | 000646-31-1 | 94   |
| 4       | Heptadecane, 2,6,10,15-tetramethyl- |              | 296 | C21H44  | 054833-48-6 | 90   |
| 5       | Hentriacontane                      |              | 437 | C31H64  | 000630-04-6 | 81   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\  
Data File : BF112549.D  
Acq On : 13 Feb 2019 20:04  
Operator : JU/SJ  
Sample : K1458-11 2X  
Misc :  
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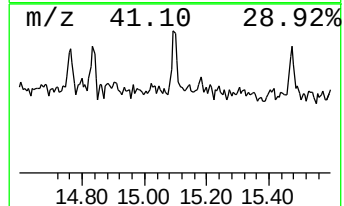
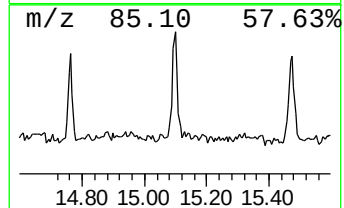
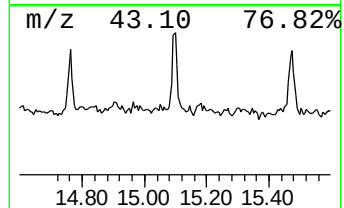
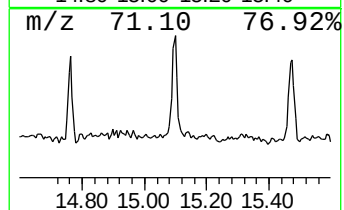
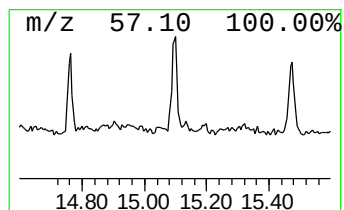
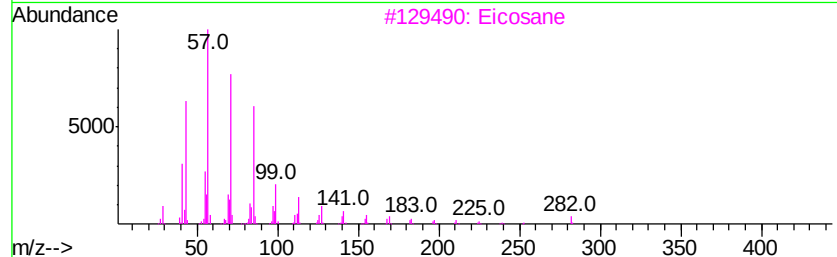
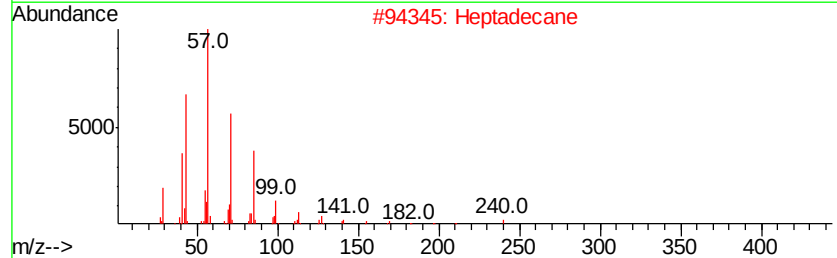
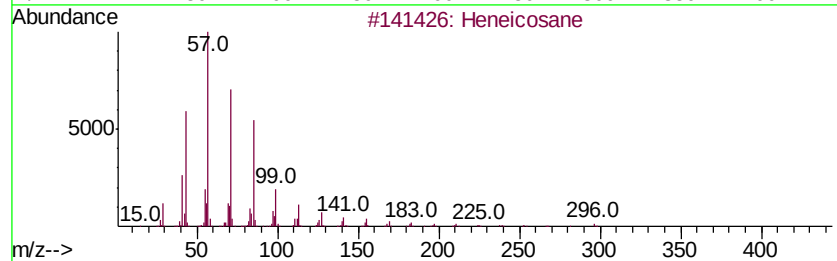
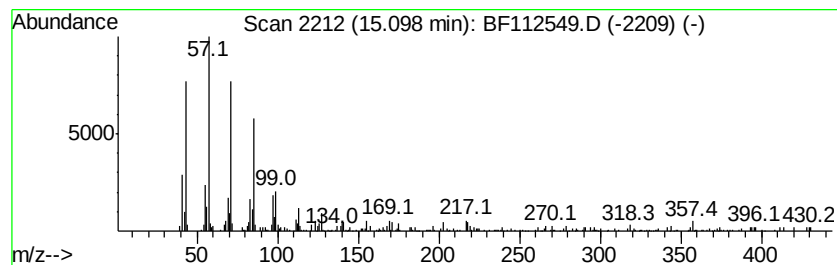
Instrument :  
BNA\_F  
ClientSampleId :  
SB-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

\*\*\*\*\*  
Peak Number 6 Heneicosane Concentration Rank 3

| R.T.    | EstConc               | Area         | Relative to ISTD | R.T.      |
|---------|-----------------------|--------------|------------------|-----------|
| 15.10   | 8.46 ng               | 146484       | Perylene-d12     | 15.50     |
| Hit# of | 5                     | Tentative ID | MW MolForm       | CAS# Qual |
| 1       | Heneicosane           | 296 C21H44   | 000629-94-7      | 98        |
| 2       | Heptadecane           | 240 C17H36   | 000629-78-7      | 91        |
| 3       | Eicosane              | 282 C20H42   | 000112-95-8      | 87        |
| 4       | Hexadecane, 3-methyl- | 240 C17H36   | 006418-43-5      | 87        |
| 5       | Tetracosane           | 338 C24H50   | 000646-31-1      | 83        |





Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF021319\  
Data File : BF112549.D  
Acq On : 13 Feb 2019 20:04  
Operator : JU/SJ  
Sample : K1458-11 2X  
Misc :  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012519.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 |
| unknown6.62         | 6.62  | 31.9    | ng    | 964318   | 1                     | 6.83  | 604460 | 20.0 |
| n-Hexadecanoic acid | 11.88 | 2.8     | ng    | 86218    | 4                     | 11.37 | 620869 | 20.0 |
| 9-Tricosene, (Z)-   | 13.83 | 2.5     | ng    | 74222    | 5                     | 14.02 | 598920 | 20.0 |
| Octadecane          | 14.46 | 3.0     | ng    | 90618    | 5                     | 14.02 | 598920 | 20.0 |
| Heneicosane         | 15.10 | 8.5     | ng    | 146484   | 6                     | 15.50 | 346177 | 20.0 |