

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF072018\  
 Data File : BF107568.D  
 Acq On : 21 Jul 2018 11:36  
 Operator : JU/SJ  
 Sample : J4094-01  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 071818-DBRI-E-D-B

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-BF072018.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         | 5.201       | 484           | 487         | 498          | rVB      | 114286         | 132811        | 1.60%           | 0.250%        |
| 2         | 5.601       | 551           | 555         | 577          | rBV      | 2023106        | 2741896       | 32.93%          | 5.160%        |
| 3         | 6.595       | 721           | 724         | 745          | rBV      | 1292375        | 2123223       | 25.50%          | 3.996%        |
| 4         | 6.742       | 745           | 749         | 773          | rVB      | 4398965        | 4901674       | 58.88%          | 9.225%        |
| 5         | 6.972       | 785           | 788         | 810          | rVB      | 1710337        | 1959491       | 23.54%          | 3.688%        |
| 6         | 7.131       | 810           | 815         | 836          | rBV      | 6217186        | 6662906       | 80.03%          | 12.540%       |
| 7         | 7.537       | 879           | 884         | 909          | rBV      | 4165638        | 5487542       | 65.91%          | 10.328%       |
| 8         | 8.254       | 1002          | 1006        | 1023         | rBV      | 2113919        | 2371289       | 28.48%          | 4.463%        |
| 9         | 9.331       | 1184          | 1189        | 1199         | rBV      | 7661487        | 8325361       | 100.00%         | 15.669%       |
| 10        | 9.725       | 1252          | 1256        | 1260         | rBV      | 84766          | 85846         | 1.03%           | 0.162%        |
| 11        | 9.989       | 1298          | 1301        | 1302         | rBV      | 115332         | 84299         | 1.01%           | 0.159%        |
| 12        | 10.019      | 1302          | 1306        | 1320         | rVB      | 2115357        | 2239302       | 26.90%          | 4.214%        |
| 13        | 10.677      | 1415          | 1418        | 1426         | rBV      | 467246         | 389097        | 4.67%           | 0.732%        |
| 14        | 10.807      | 1436          | 1440        | 1454         | rBV      | 2836810        | 3100643       | 37.24%          | 5.835%        |
| 15        | 11.507      | 1556          | 1559        | 1576         | rBV      | 1750191        | 1949693       | 23.42%          | 3.669%        |
| 16        | 13.095      | 1825          | 1829        | 1841         | rBV      | 5841194        | 5765228       | 69.25%          | 10.850%       |
| 17        | 13.977      | 1975          | 1979        | 1988         | rBV      | 246861         | 317169        | 3.81%           | 0.597%        |
| 18        | 14.160      | 2006          | 2010        | 2017         | rBV      | 2058057        | 1942631       | 23.33%          | 3.656%        |
| 19        | 14.601      | 2082          | 2085        | 2091         | rBV2     | 98719          | 123951        | 1.49%           | 0.233%        |
| 20        | 14.830      | 2121          | 2124        | 2129         | rVB      | 188053         | 199563        | 2.40%           | 0.376%        |
| 21        | 14.924      | 2136          | 2140        | 2145         | rVB      | 99906          | 108142        | 1.30%           | 0.204%        |
| 22        | 15.283      | 2197          | 2201        | 2206         | rBV      | 115829         | 142233        | 1.71%           | 0.268%        |
| 23        | 15.695      | 2265          | 2271        | 2279         | rBV      | 1265393        | 1810010       | 21.74%          | 3.406%        |
| 24        | 16.148      | 2343          | 2348        | 2355         | rBV3     | 98545          | 170363        | 2.05%           | 0.321%        |

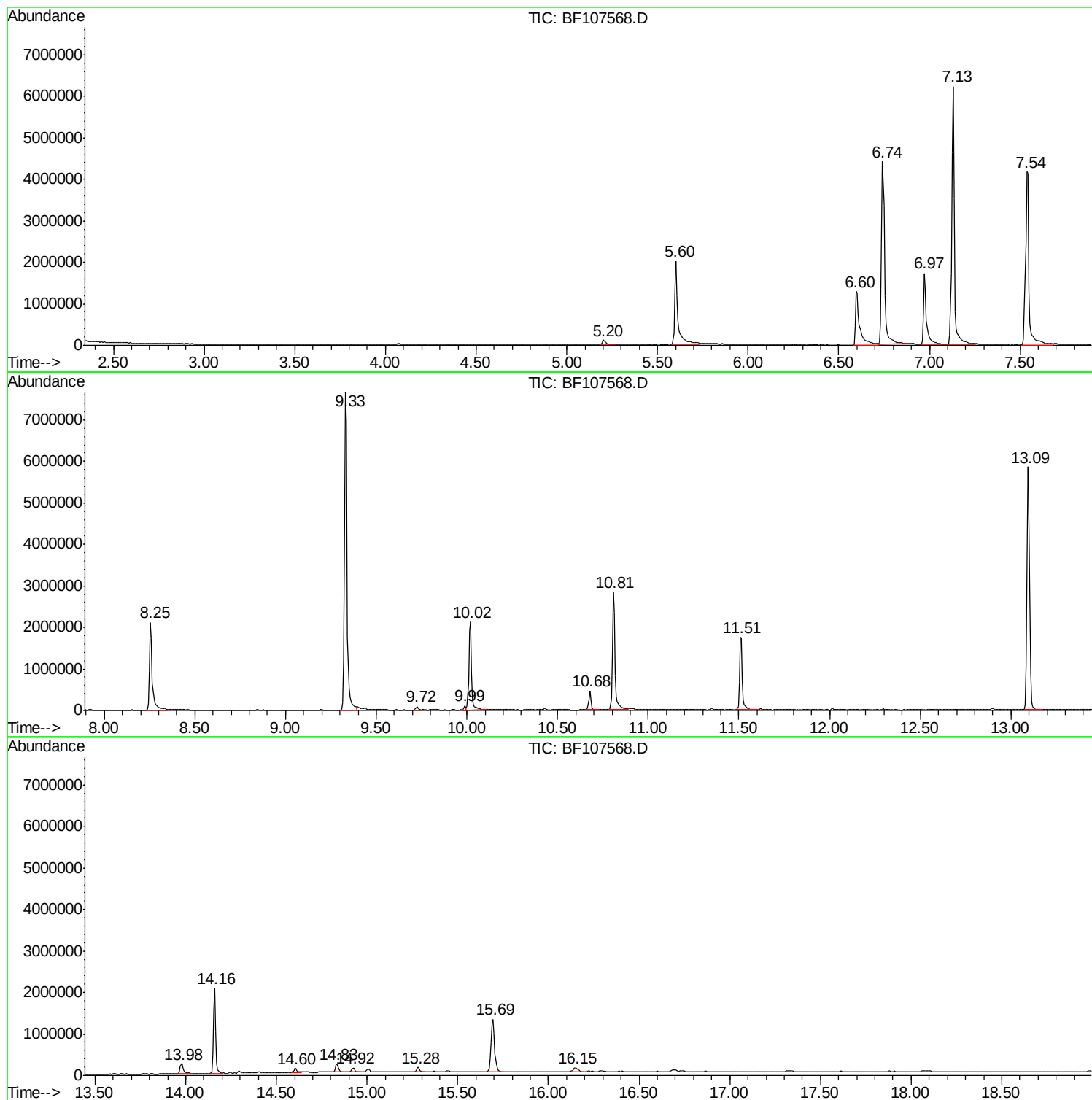
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ClientSampleId :  
071818-DBRI-E-D-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.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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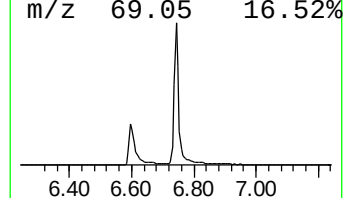
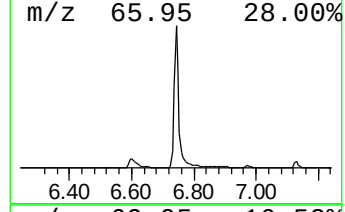
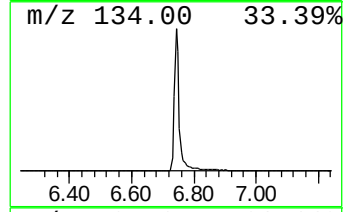
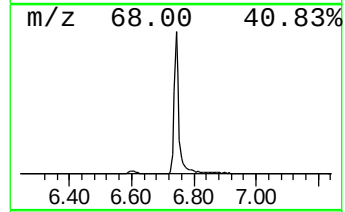
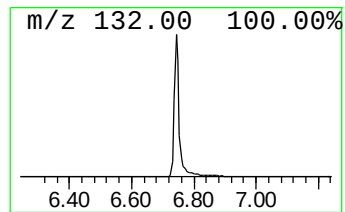
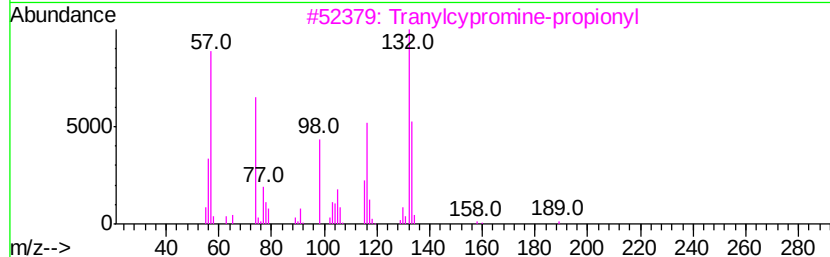
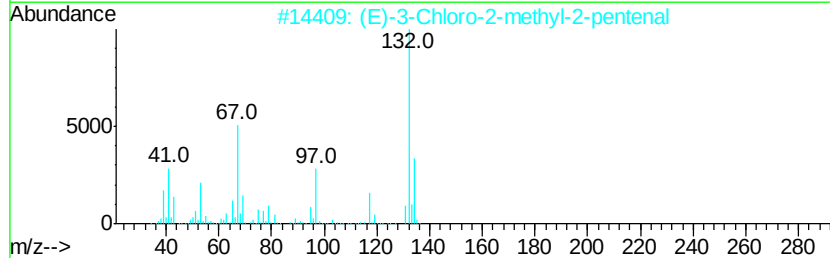
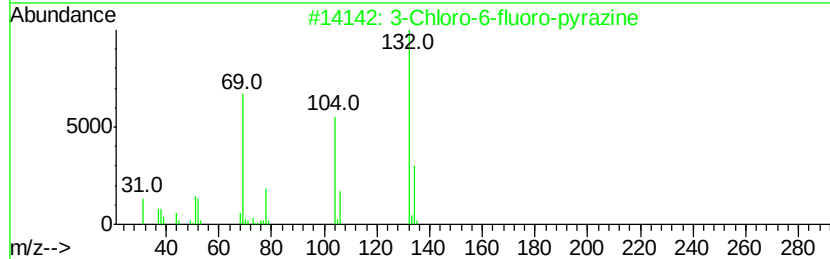
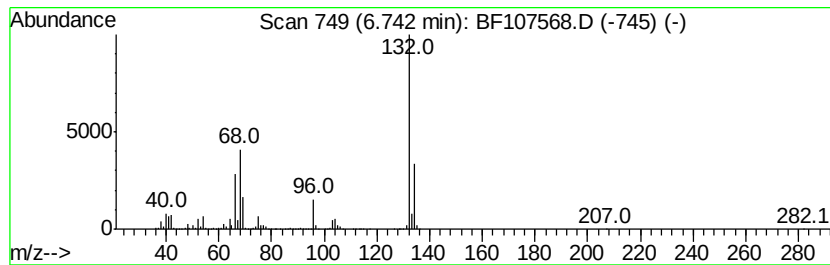
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 unknown6.74 Concentration Rank 2

| R.T. | EstConc  | Area    | Relative to ISTD       | R.T. |
|------|----------|---------|------------------------|------|
| 6.74 | 50.03 ng | 4901670 | 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  | 17   |
| 3    |    | Tranvlcypropine-propionyl           | 189 | C12H15NO  | 1000123-86-3 | 10   |
| 4    |    | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12    | 028749-81-7  | 9    |
| 5    |    | Benzene, 1-ethenyl-3,5-dimethyl-    | 132 | C10H12    | 005379-20-4  | 9    |



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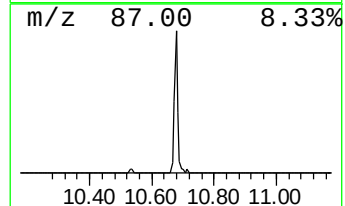
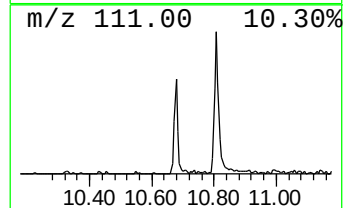
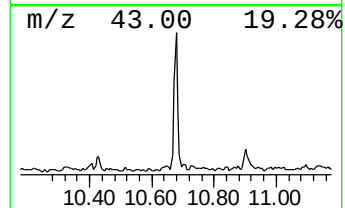
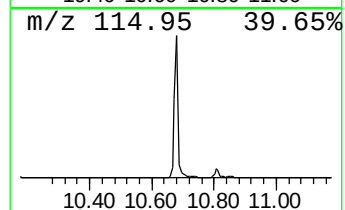
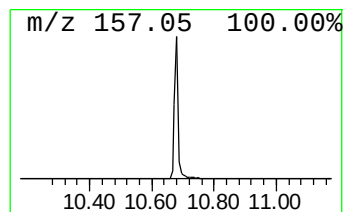
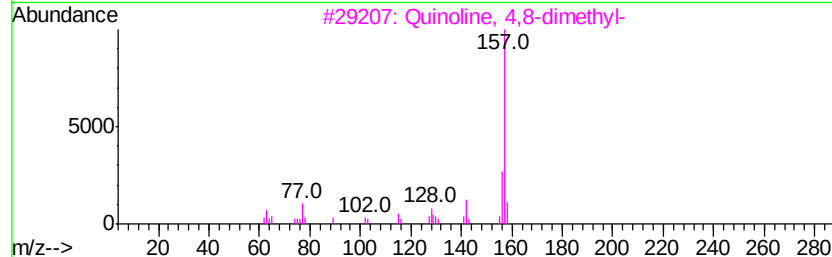
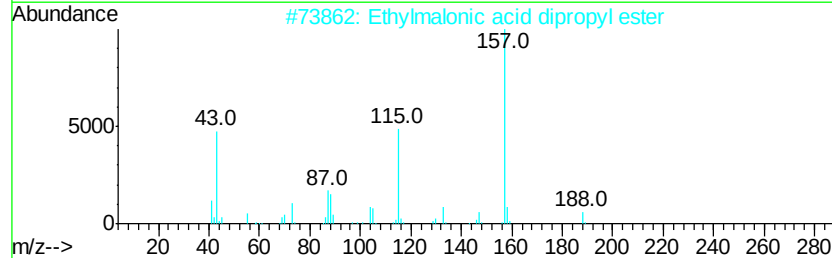
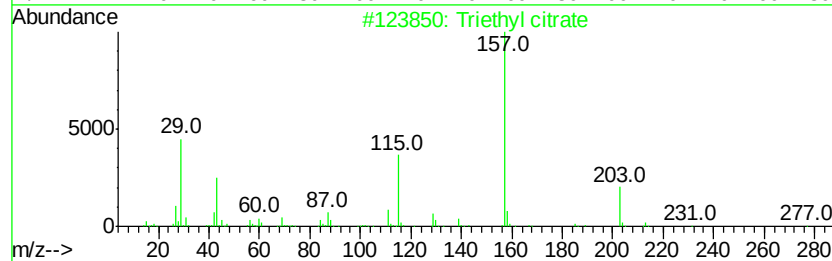
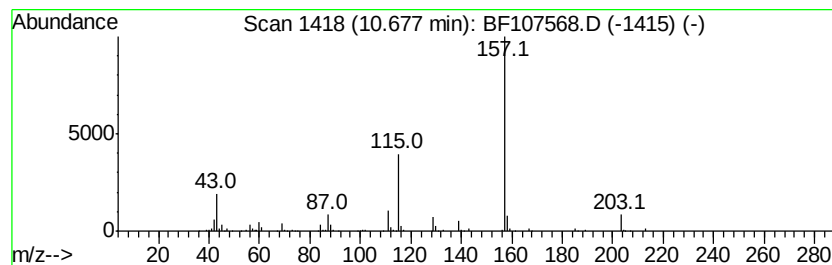
Instrument :  
BNA\_F  
ClientSampleId :  
071818-DBRI-E-D-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Triethyl citrate Concentration Rank 3

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 10.68     | 3.48 ng                             | 389097 | Acenaphthene-d10 | 10.02        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | Triethyl citrate                    | 276    | C12H20O7         | 000077-93-0  | 91   |
| 2         | Ethylmalonic acid dipropyl ester    | 216    | C11H20O4         | 001113-91-3  | 45   |
| 3         | Quinoline, 4,8-dimethyl-            | 157    | C11H11N          | 013362-80-6  | 38   |
| 4         | Adipic acid, ethyl 4-methylpent-... | 258    | C14H26O4         | 1000353-49-9 | 38   |
| 5         | Adipic acid, ethyl pent-4-en-2-y... | 242    | C13H22O4         | 1000354-11-7 | 37   |



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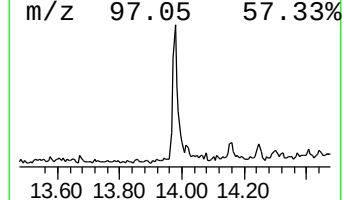
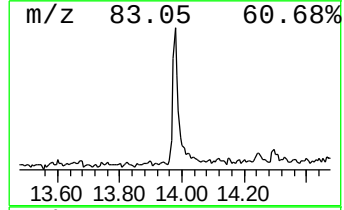
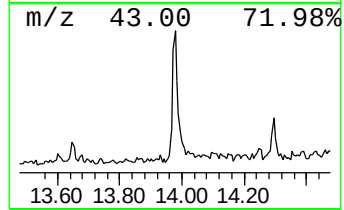
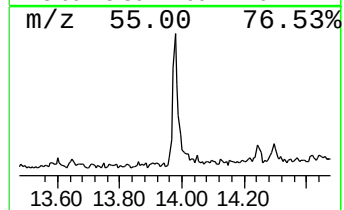
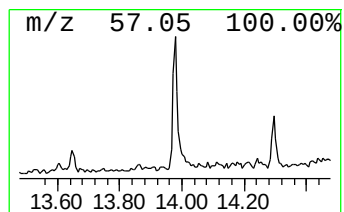
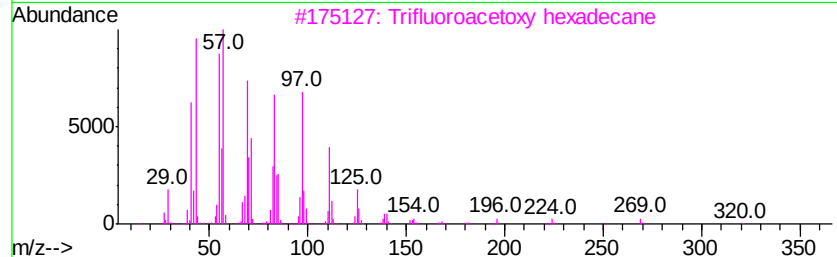
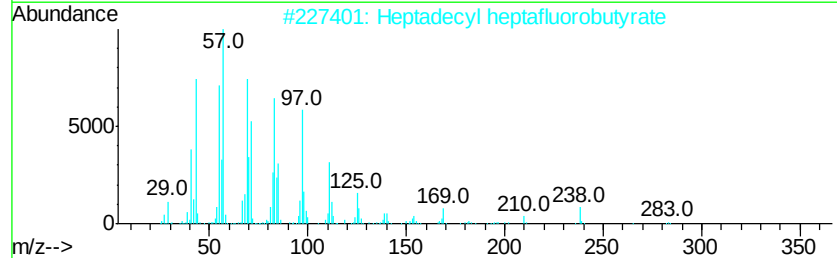
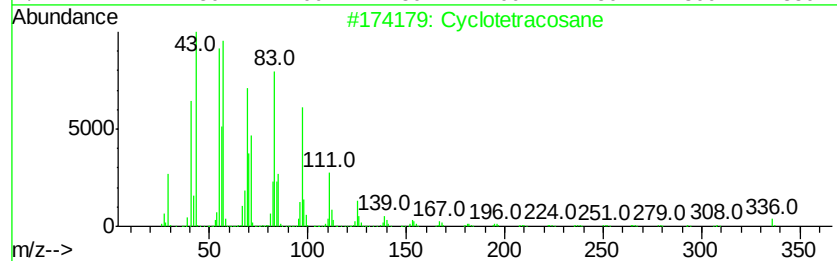
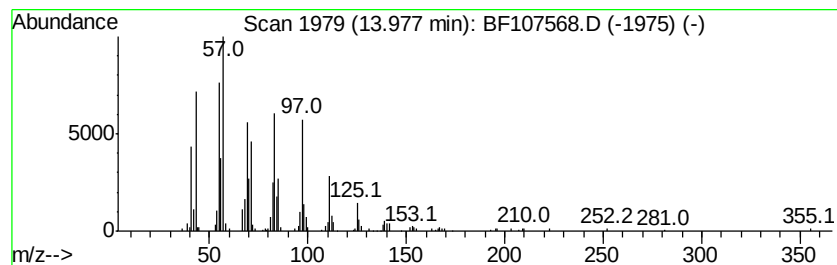
Instrument :  
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ClientSampleId :  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Cyclotetracosane Concentration Rank 4

| R.T.      | EstConc                        | Area   | Relative to ISTD | R.T.         |      |
|-----------|--------------------------------|--------|------------------|--------------|------|
| 13.98     | 3.27 ng                        | 317169 | Chrysene-d12     | 14.16        |      |
| Hit# of 5 | Tentative ID                   | MW     | MolForm          | CAS#         | Qual |
| 1         | Cyclotetracosane               | 336    | C24H48           | 000297-03-0  | 94   |
| 2         | Heptadecyl heptafluorobutyrate | 452    | C21H35F7O2       | 959085-66-6  | 94   |
| 3         | Trifluoroacetoxy hexadecane    | 338    | C18H33F3O2       | 006222-03-3  | 94   |
| 4         | Cyclopentadecane               | 210    | C15H30           | 000295-48-7  | 91   |
| 5         | Docosyl pentafluoropropionate  | 472    | C25H45F5O2       | 1000351-80-9 | 91   |



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ALS Vial : 40 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
071818-DBRI-E-D-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M  
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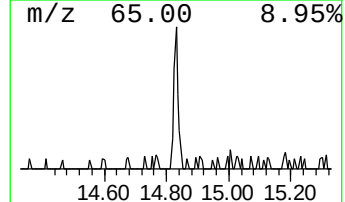
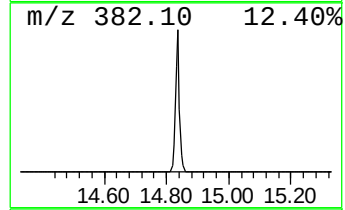
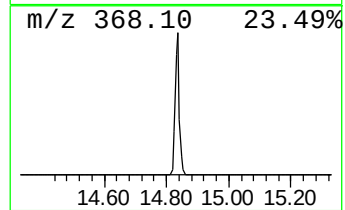
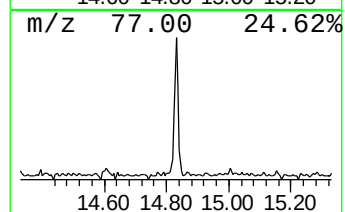
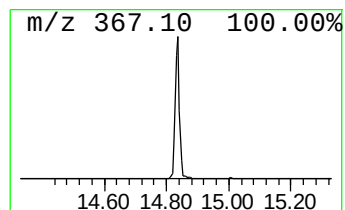
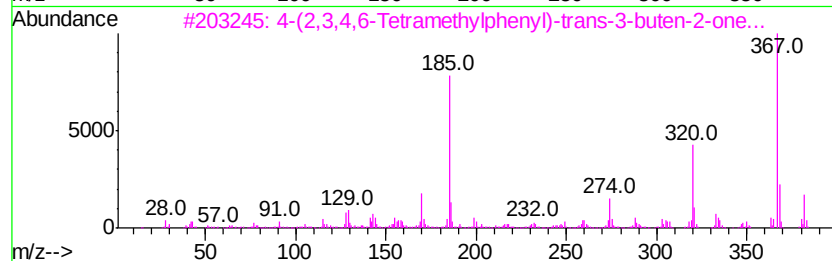
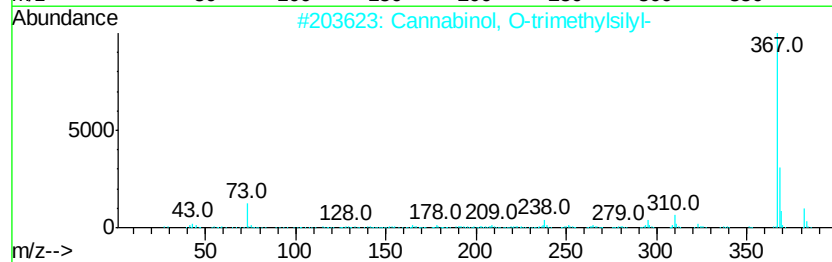
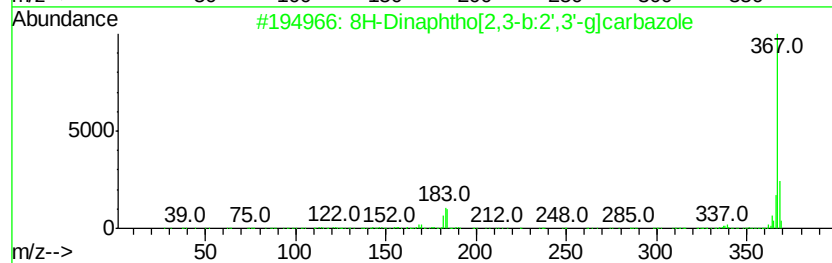
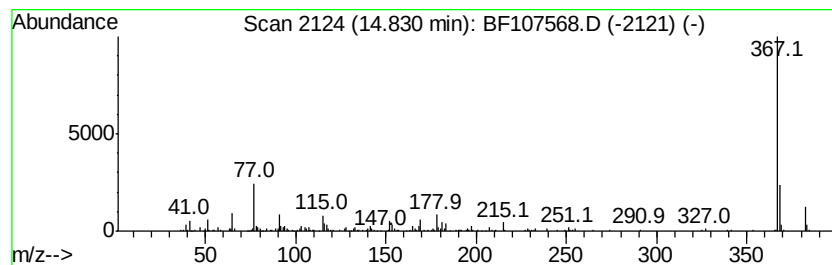
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 8H-Dinaphtho[2,3-b:2',3'-g]... Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.83 | 2.05 ng | 199563 | Chrysene-d12     | 14.16 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm      | CAS#         | Qual |
|---------|---|-------------------------------------|-----|--------------|--------------|------|
| 1       |   | 8H-Dinaphtho[2,3-b:2',3'-g]carba... | 367 | C28H17N      | 003557-50-4  | 64   |
| 2       |   | Cannabinol, O-trimethylsilyl-       | 382 | C24H34O2Si   | 064846-18-0  | 59   |
| 3       |   | 4-(2,3,4,6-Tetramethylphenyl)-tr... | 382 | C20H22N4O4   | 1000243-17-2 | 59   |
| 4       |   | 8H-Dinaphtho[2,3-c:2',3'-g]carba... | 367 | C28H17N      | 000313-87-1  | 40   |
| 5       |   | 2-Sulfamyl-4-nitro-4'-acetamidod... | 367 | C14H13N3O5S2 | 1000257-16-5 | 33   |



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

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| unknown6.74          | 6.74  | 50.0    | ng    | 4901670  | 1                     | 6.97  | 1959490 | 20.0 |
| Triethyl citrate     | 10.68 | 3.5     | ng    | 389097   | 3                     | 10.02 | 2239300 | 20.0 |
| Cyclotetracosane     | 13.98 | 3.3     | ng    | 317169   | 5                     | 14.16 | 1942630 | 20.0 |
| 8H-Dinaphtho[2,3-... | 14.83 | 2.0     | ng    | 199563   | 5                     | 14.16 | 1942630 | 20.0 |