

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF053023\  
 Data File : BF133530.D  
 Acq On : 30 May 2023 19:25  
 Operator : CG\JU  
 Sample : 02955-06  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB26

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-BF052523.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133530.D\data.ms

| 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         | 4.198       | 355           | 359         | 371          | rBV2     | 75684          | 154001        | 5.08%           | 0.649%        |
| 2         | 5.046       | 498           | 503         | 513          | rBV      | 92827          | 132149        | 4.36%           | 0.557%        |
| 3         | 5.445       | 565           | 571         | 574          | rBV      | 2936993        | 2915367       | 96.18%          | 12.295%       |
| 4         | 6.457       | 737           | 743         | 746          | rBV      | 2893645        | 3031265       | 100.00%         | 12.784%       |
| 5         | 6.828       | 803           | 806         | 810          | rBV      | 1013879        | 860425        | 28.39%          | 3.629%        |
| 6         | 7.392       | 897           | 902         | 905          | rBV      | 2082506        | 1909112       | 62.98%          | 8.051%        |
| 7         | 8.110       | 1021          | 1024        | 1028         | rBV      | 1249209        | 1119082       | 36.92%          | 4.720%        |
| 8         | 8.686       | 1117          | 1122        | 1128         | rBV2     | 50472          | 86857         | 2.87%           | 0.366%        |
| 9         | 8.957       | 1166          | 1168        | 1175         | rVB2     | 71079          | 76106         | 2.51%           | 0.321%        |
| 10        | 9.192       | 1204          | 1208        | 1211         | rVB      | 3572827        | 2991057       | 98.67%          | 12.614%       |
| 11        | 9.869       | 1319          | 1323        | 1326         | rVB      | 1478962        | 1166761       | 38.49%          | 4.921%        |
| 12        | 10.522      | 1431          | 1434        | 1438         | rVB      | 53141          | 45308         | 1.49%           | 0.191%        |
| 13        | 10.580      | 1441          | 1444        | 1447         | rBV      | 250113         | 199919        | 6.60%           | 0.843%        |
| 14        | 10.657      | 1452          | 1457        | 1460         | rBV      | 2411352        | 2114699       | 69.76%          | 8.919%        |
| 15        | 11.357      | 1572          | 1576        | 1579         | rBV      | 1359445        | 1246005       | 41.11%          | 5.255%        |
| 16        | 11.886      | 1662          | 1666        | 1670         | rBV      | 324078         | 285723        | 9.43%           | 1.205%        |
| 17        | 11.922      | 1670          | 1672        | 1675         | rVB      | 49568          | 43105         | 1.42%           | 0.182%        |
| 18        | 12.563      | 1778          | 1781        | 1784         | rBV      | 76698          | 75140         | 2.48%           | 0.317%        |
| 19        | 12.669      | 1796          | 1799        | 1806         | rBV3     | 59216          | 67028         | 2.21%           | 0.283%        |
| 20        | 12.792      | 1814          | 1820        | 1823         | rVB      | 72101          | 73632         | 2.43%           | 0.311%        |
| 21        | 12.945      | 1842          | 1846        | 1849         | rBV      | 3073671        | 2864056       | 94.48%          | 12.079%       |
| 22        | 13.521      | 1939          | 1944        | 1947         | rBV3     | 29408          | 42049         | 1.39%           | 0.177%        |
| 23        | 13.851      | 1996          | 2000        | 2015         | rBV      | 153185         | 242027        | 7.98%           | 1.021%        |
| 24        | 13.992      | 2019          | 2024        | 2027         | rVV      | 924078         | 927644        | 30.60%          | 3.912%        |
| 25        | 14.016      | 2027          | 2028        | 2034         | rVB      | 42475          | 39020         | 1.29%           | 0.165%        |
| 26        | 14.474      | 2103          | 2106        | 2109         | rBV3     | 37145          | 39956         | 1.32%           | 0.169%        |
| 27        | 15.027      | 2196          | 2200        | 2202         | rBV2     | 34693          | 47103         | 1.55%           | 0.199%        |
| 28        | 15.327      | 2247          | 2251        | 2257         | rVB      | 27825          | 37080         | 1.22%           | 0.156%        |
| 29        | 15.380      | 2257          | 2260        | 2266         | rBV2     | 27859          | 39505         | 1.30%           | 0.167%        |
| 30        | 15.451      | 2266          | 2272        | 2278         | rBV      | 672081         | 796101        | 26.26%          | 3.357%        |
| 31        | 16.880      | 2511          | 2515        | 2526         | rVB3     | 19076          | 44075         | 1.45%           | 0.186%        |

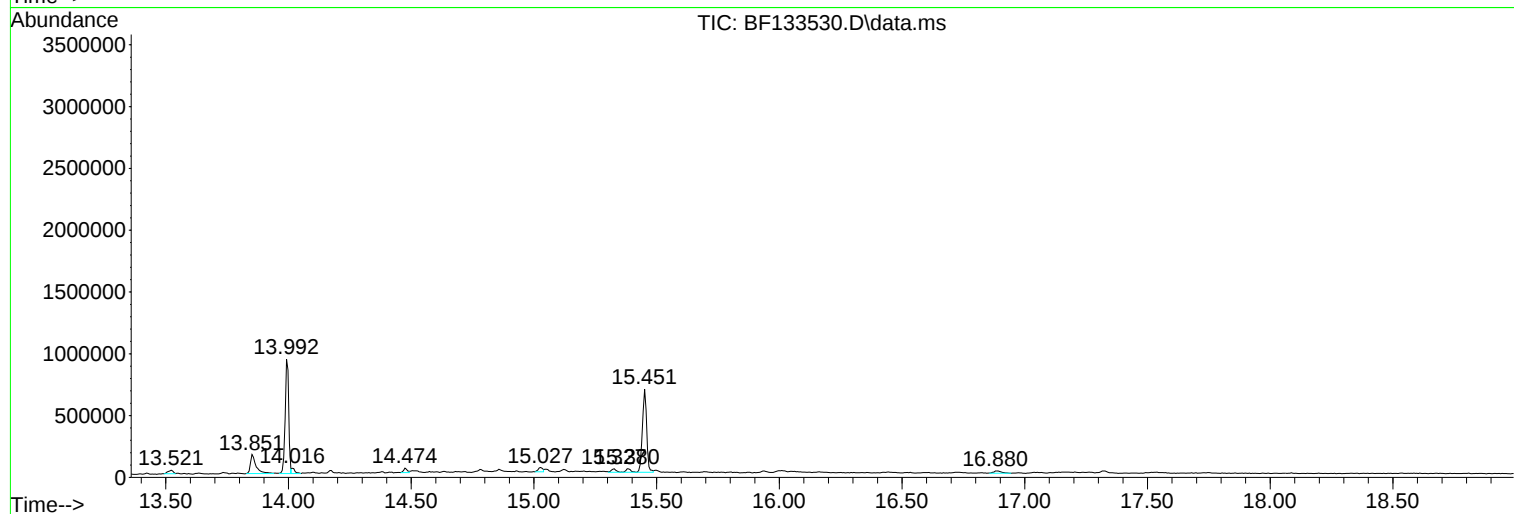
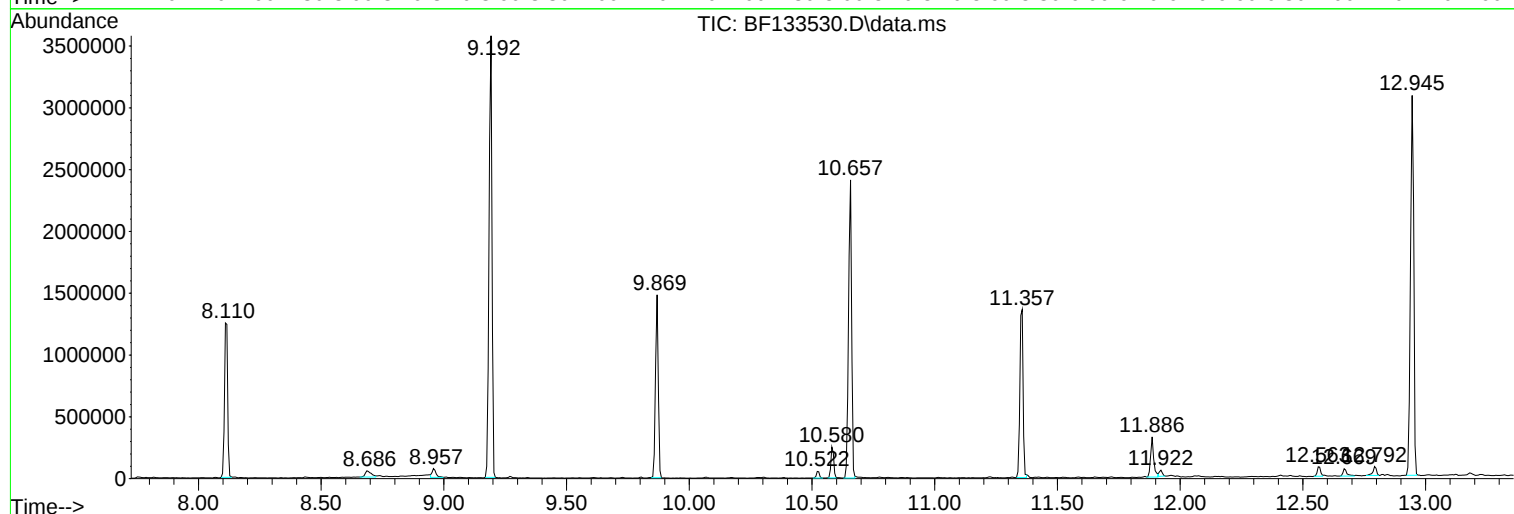
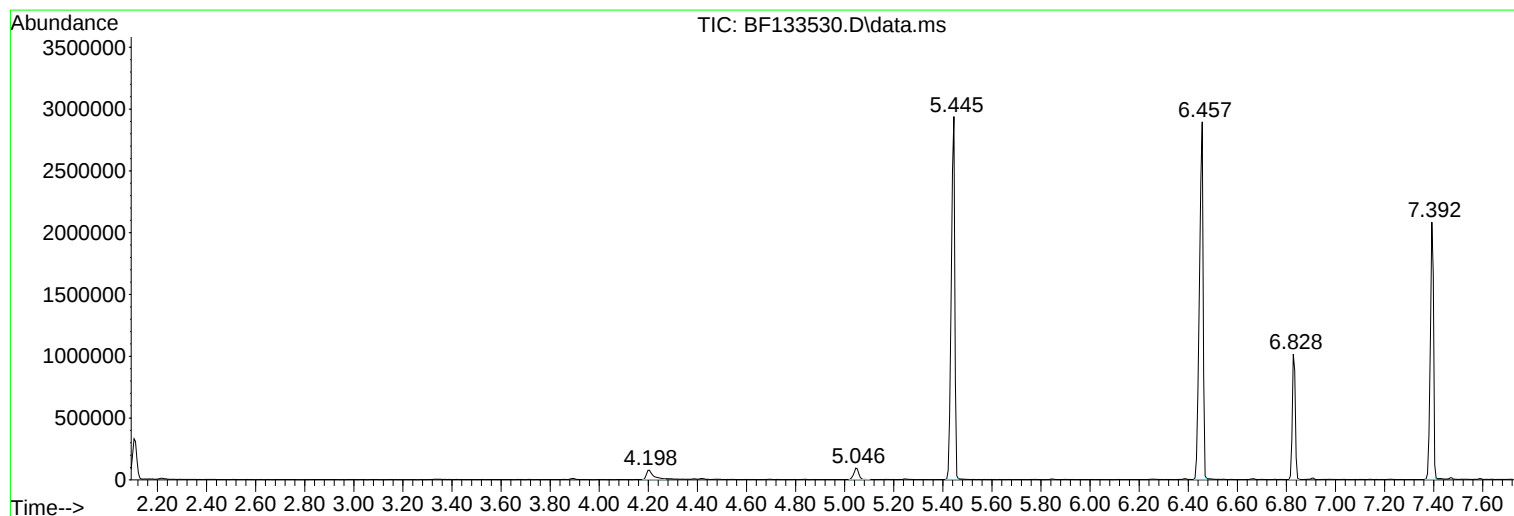
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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB26

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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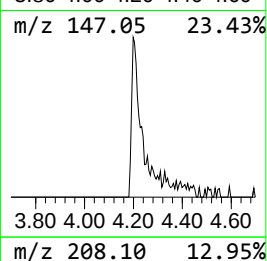
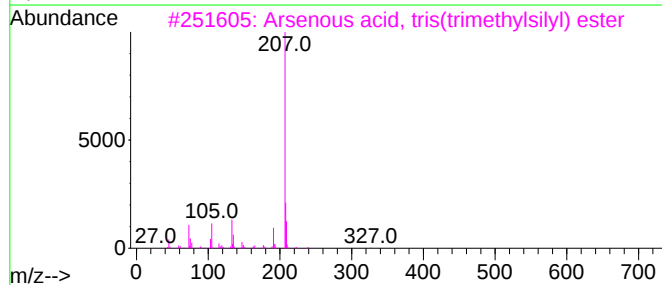
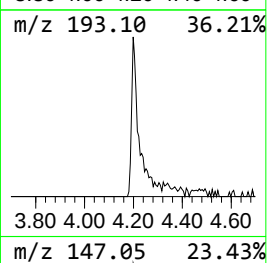
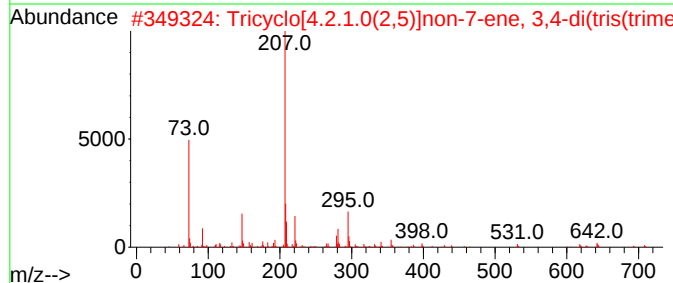
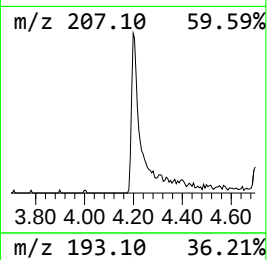
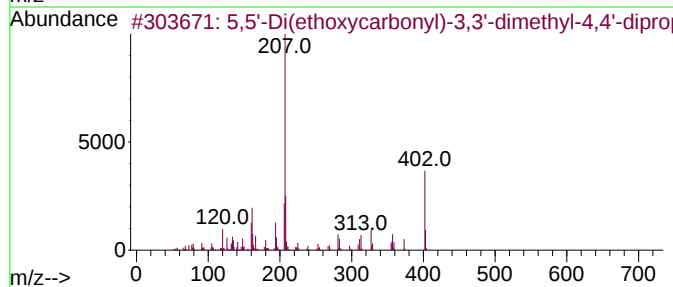
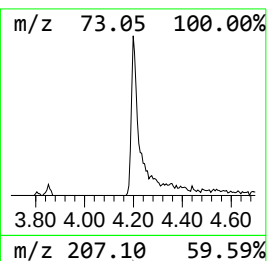
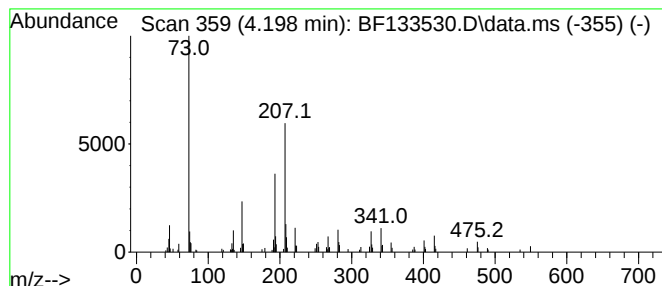
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 5,5'-Di(ethoxycarbonyl)-3,3... Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 4.198 | 3.58 ng | 154001 | 1,4-Dichlorobenzene-d4 | 6.828 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm      | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|--------------|--------------|------|
| 1    |    |   | 5,5'-Di(ethoxycarbonyl)-3,3'-dim... | 402 | C23H34N2O4   | 102586-97-0  | 58   |
| 2    |    |   | Tricyclo[4.2.1.0(2,5)]non-7-ene,... | 708 | C27H64O6Si8  | 1000381-62-9 | 47   |
| 3    |    |   | Arsenous acid, tris(trimethylsil... | 342 | C9H27AsO3Si3 | 055429-29-3  | 38   |
| 4    |    |   | Benzo[h]quinoline, 2,4-dimethyl-    | 207 | C15H13N      | 000605-67-4  | 38   |
| 5    |    |   | Methyltris(trimethylsiloxy)silane   | 310 | C10H30O3Si4  | 017928-28-8  | 38   |



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Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

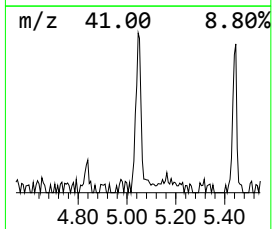
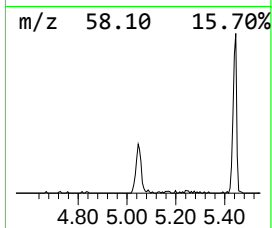
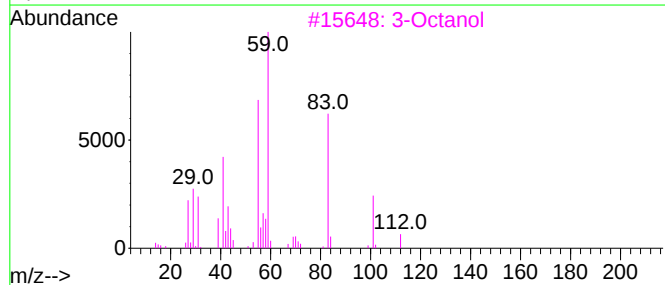
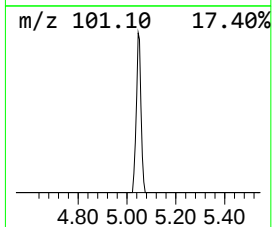
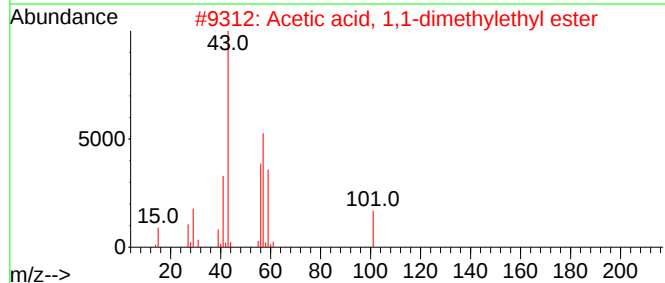
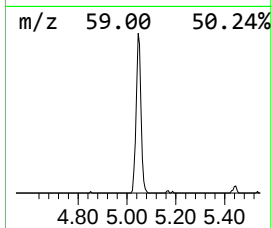
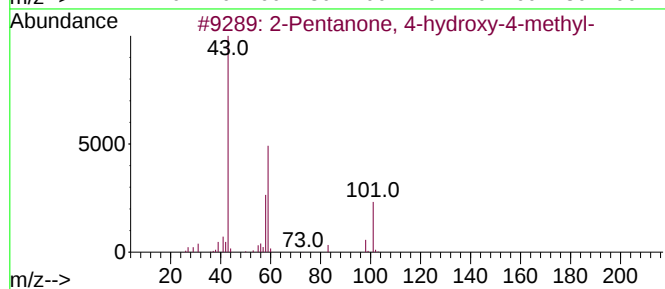
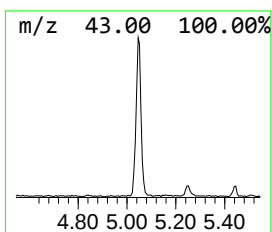
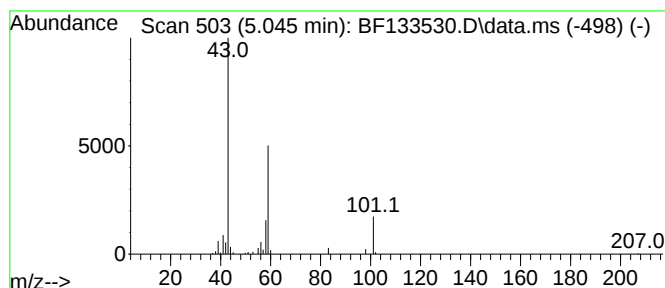
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 5.045 | 3.07 ng | 132149 | 1,4-Dichlorobenzene-d4 | 6.828 |

| 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 | 38   |
| 3    |    |   | 3-Octanol                           | 130 | C8H18O   | 000589-98-0 | 33   |
| 4    |    |   | 2,3-Butanedione, monooxime          | 101 | C4H7NO2  | 000057-71-6 | 27   |
| 5    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25   |



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ALS Vial : 16 Sample Multiplier: 1

Instrument :  
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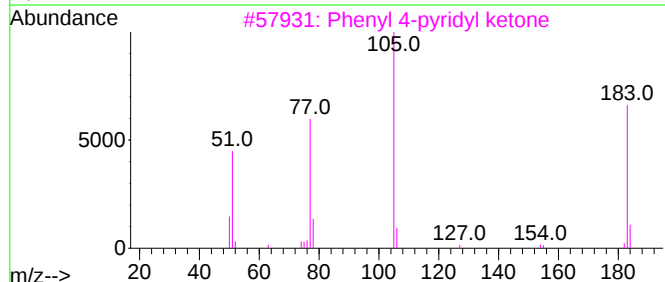
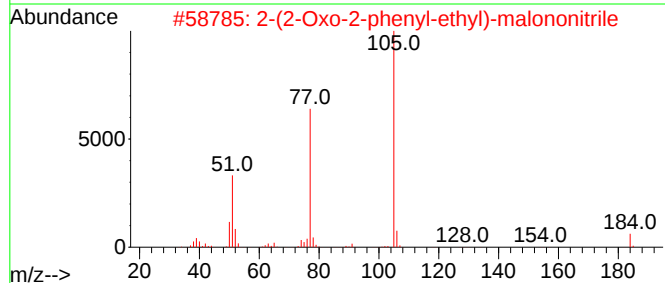
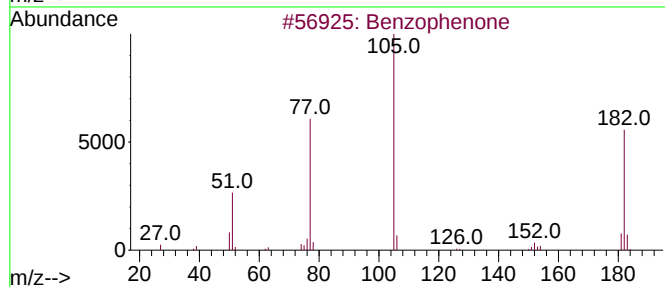
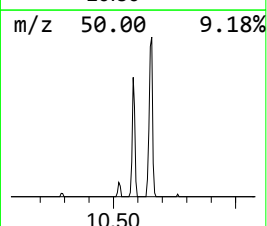
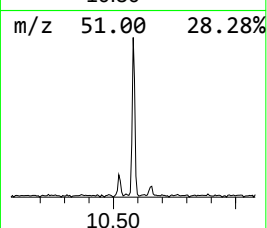
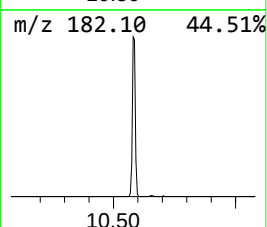
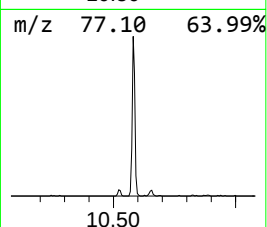
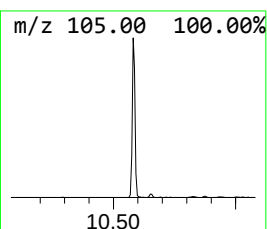
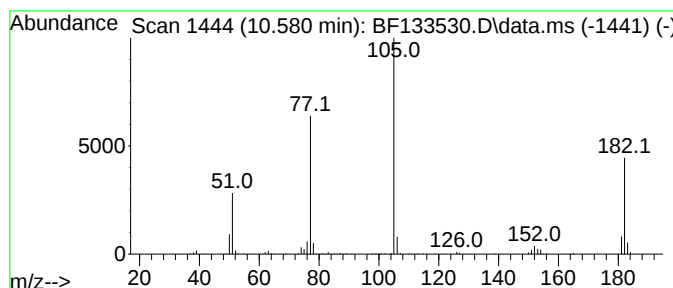
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzophenone Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.  |
|--------|---------|--------|------------------|-------|
| 10.580 | 3.43 ng | 199919 | Acenaphthene-d10 | 9.869 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|----------|--------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O  | 000119-61-9  | 96   |
| 2    |    |   | 2-(2-Oxo-2-phenyl-ethyl)-malonon... | 184 | C11H8N2O | 1000296-76-9 | 58   |
| 3    |    |   | Phenyl 4-pyridyl ketone             | 183 | C12H9NO  | 014548-46-0  | 52   |
| 4    |    |   | Benzoic acid, phenyl ester          | 198 | C13H10O2 | 000093-99-2  | 50   |
| 5    |    |   | 1-Propanone, 2-bromo-1-phenyl-      | 212 | C9H9BrO  | 002114-00-3  | 50   |



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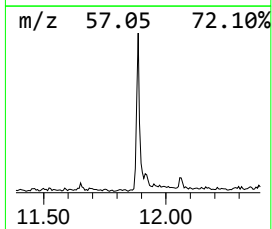
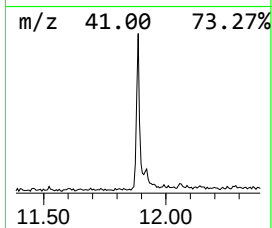
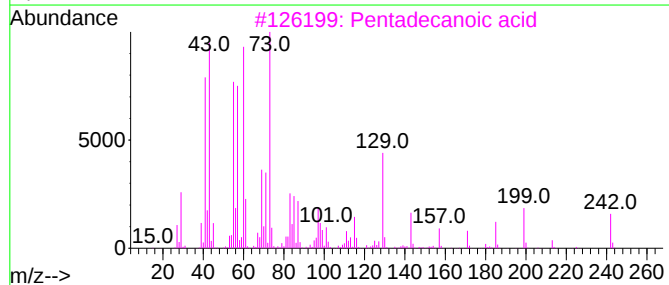
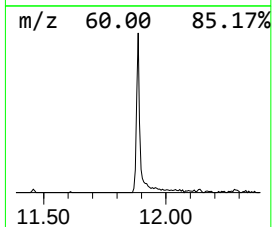
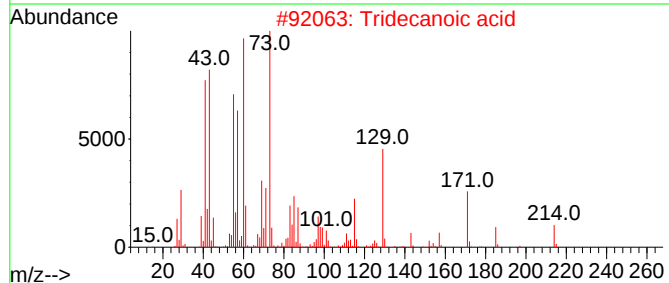
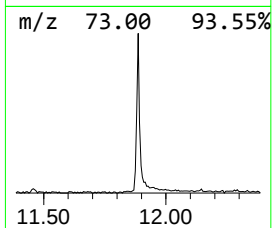
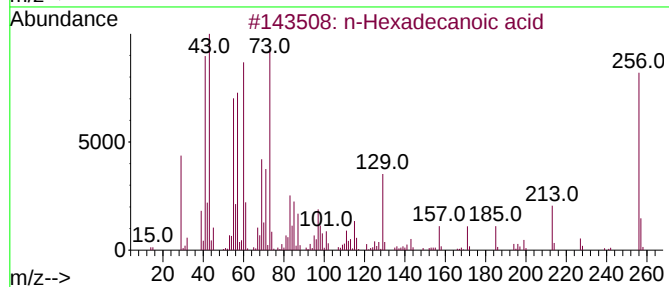
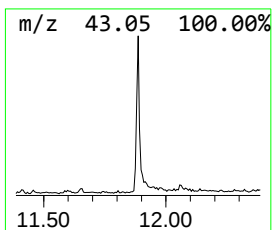
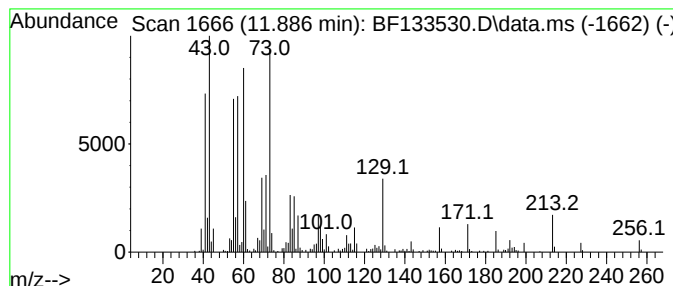
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TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

| R.T.      | EstConc             | Area   | Relative to ISTD | R.T.        |      |
|-----------|---------------------|--------|------------------|-------------|------|
| 11.886    | 4.59 ng             | 285723 | Phenanthrene-d10 | 11.357      |      |
| Hit# of 5 | Tentative ID        | MW     | MolForm          | CAS#        | Qual |
| 1         | n-Hexadecanoic acid | 256    | C16H32O2         | 000057-10-3 | 98   |
| 2         | Tridecanoic acid    | 214    | C13H26O2         | 000638-53-9 | 91   |
| 3         | Pentadecanoic acid  | 242    | C15H30O2         | 001002-84-2 | 81   |
| 4         | Tetradecanoic acid  | 228    | C14H28O2         | 000544-63-8 | 74   |
| 5         | Octanoic acid       | 144    | C8H16O2          | 000124-07-2 | 53   |



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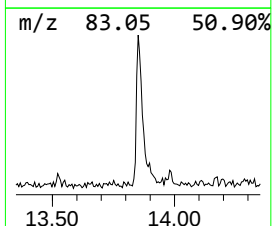
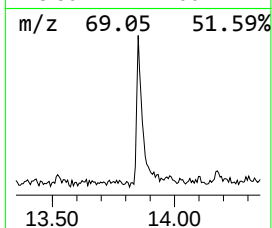
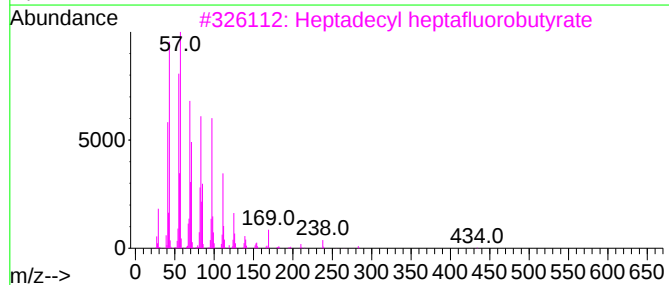
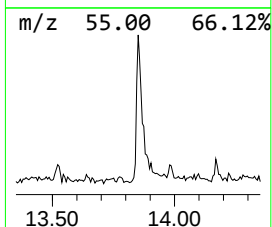
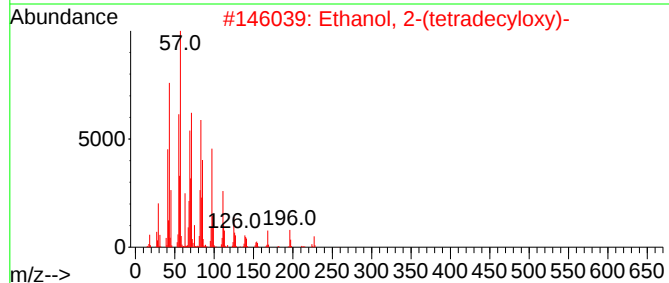
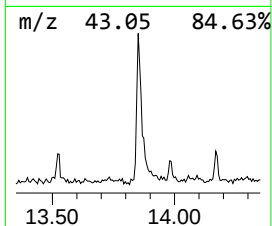
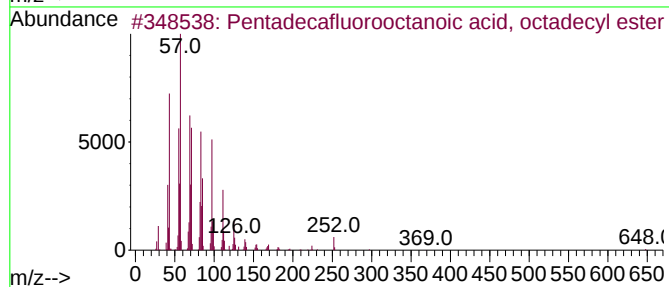
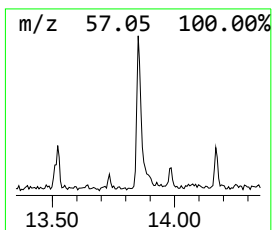
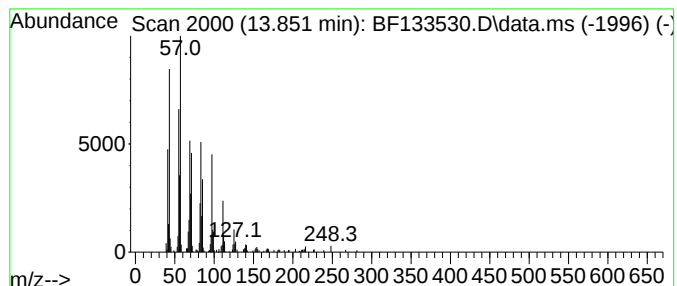
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Pentadecafluorooctanoic aci... Concentration Rank 1

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.851 | 5.22 ng | 242027 | Chrysene-d12     | 13.992 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Pentadecafluorooctanoic acid, oc... | 666 | C26H37F15O2 | 1000406-04-8 | 91   |
| 2    |    |   | Ethanol, 2-(tetradecyloxy)-         | 258 | C16H34O2    | 002136-70-1  | 91   |
| 3    |    |   | Heptadecyl heptafluorobutyrate      | 452 | C21H35F7O2  | 959085-66-6  | 91   |
| 4    |    |   | Tricosyl heptafluorobutyrate        | 536 | C27H47F7O2  | 1000351-83-4 | 91   |
| 5    |    |   | Tricosyl trifluoroacetate           | 436 | C25H47F3O2  | 1000351-75-1 | 91   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF053023\  
Data File : BF133530.D  
Acq On : 30 May 2023 19:25  
Operator : CG\JU  
Sample : 02955-06  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB26

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF052523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| 5,5'-Di(ethoxyc... | 4.198  | 3.6     | ng    | 154001   | 1                     | 6.828  | 860425  | 20.0 |
| 2-Pentanone, 4-... | 5.045  | 3.1     | ng    | 132149   | 1                     | 6.828  | 860425  | 20.0 |
| Benzophenone       | 10.580 | 3.4     | ng    | 199919   | 3                     | 9.869  | 1166760 | 20.0 |
| n-Hexadecanoic ... | 11.886 | 4.6     | ng    | 285723   | 4                     | 11.357 | 1246010 | 20.0 |
| Pentadecafluoro... | 13.851 | 5.2     | ng    | 242027   | 5                     | 13.992 | 927644  | 20.0 |