

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032725\  
 Data File : BF142124.D  
 Acq On : 27 Mar 2025 14:08  
 Operator : RC/JU  
 Sample : Q1645-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-4

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-BF031025.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142124.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         | 2.122       | 3             | 5           | 20           | rVB      | 830482         | 989829        | 23.32%          | 3.970%        |
| 2         | 5.087       | 498           | 509         | 521          | rBV      | 133914         | 215885        | 5.09%           | 0.866%        |
| 3         | 5.487       | 571           | 577         | 597          | rBV      | 2018019        | 2731628       | 64.36%          | 10.957%       |
| 4         | 6.493       | 742           | 748         | 766          | rBV      | 1988485        | 2758937       | 65.00%          | 11.066%       |
| 5         | 6.869       | 807           | 812         | 817          | rBV      | 486447         | 591891        | 13.95%          | 2.374%        |
| 6         | 7.428       | 901           | 907         | 918          | rBV      | 1377304        | 1847038       | 43.52%          | 7.409%        |
| 7         | 7.687       | 946           | 951         | 962          | rBV      | 39364          | 61363         | 1.45%           | 0.246%        |
| 8         | 8.151       | 1025          | 1030        | 1047         | rVB      | 624687         | 800504        | 18.86%          | 3.211%        |
| 9         | 9.228       | 1207          | 1213        | 1223         | rBV      | 2916277        | 3745174       | 88.24%          | 15.022%       |
| 10        | 9.551       | 1259          | 1268        | 1277         | rBV      | 20599          | 43289         | 1.02%           | 0.174%        |
| 11        | 9.904       | 1323          | 1328        | 1337         | rVB      | 755815         | 948041        | 22.34%          | 3.803%        |
| 12        | 10.616      | 1444          | 1449        | 1457         | rBV      | 278176         | 355074        | 8.37%           | 1.424%        |
| 13        | 10.692      | 1457          | 1462        | 1479         | rVV      | 1649522        | 2138017       | 50.37%          | 8.576%        |
| 14        | 11.392      | 1576          | 1581        | 1588         | rBV      | 784627         | 999411        | 23.55%          | 4.009%        |
| 15        | 11.910      | 1654          | 1669        | 1680         | rBV2     | 51718          | 139367        | 3.28%           | 0.559%        |
| 16        | 12.692      | 1796          | 1802        | 1818         | rVB      | 215261         | 436864        | 10.29%          | 1.752%        |
| 17        | 12.980      | 1845          | 1851        | 1856         | rBV      | 3254245        | 4244269       | 100.00%         | 17.024%       |
| 18        | 13.874      | 1998          | 2003        | 2014         | rBV      | 107583         | 213881        | 5.04%           | 0.858%        |
| 19        | 14.033      | 2024          | 2030        | 2043         | rVB      | 581428         | 818844        | 19.29%          | 3.284%        |
| 20        | 15.504      | 2274          | 2280        | 2290         | rVB      | 514909         | 851924        | 20.07%          | 3.417%        |

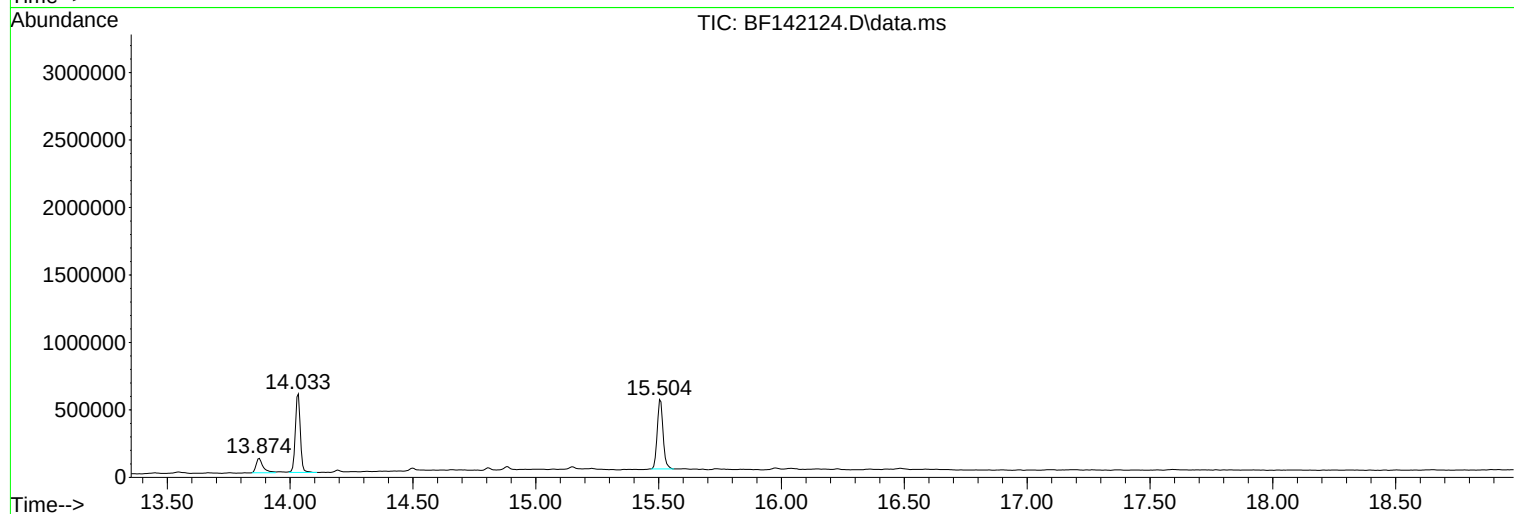
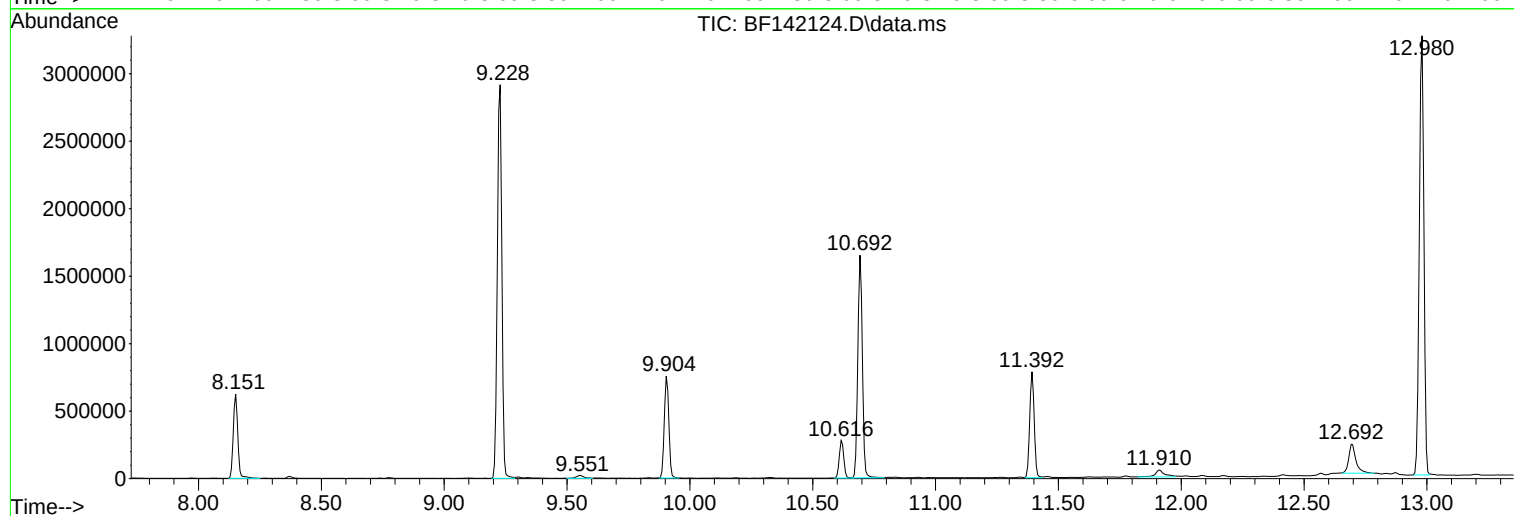
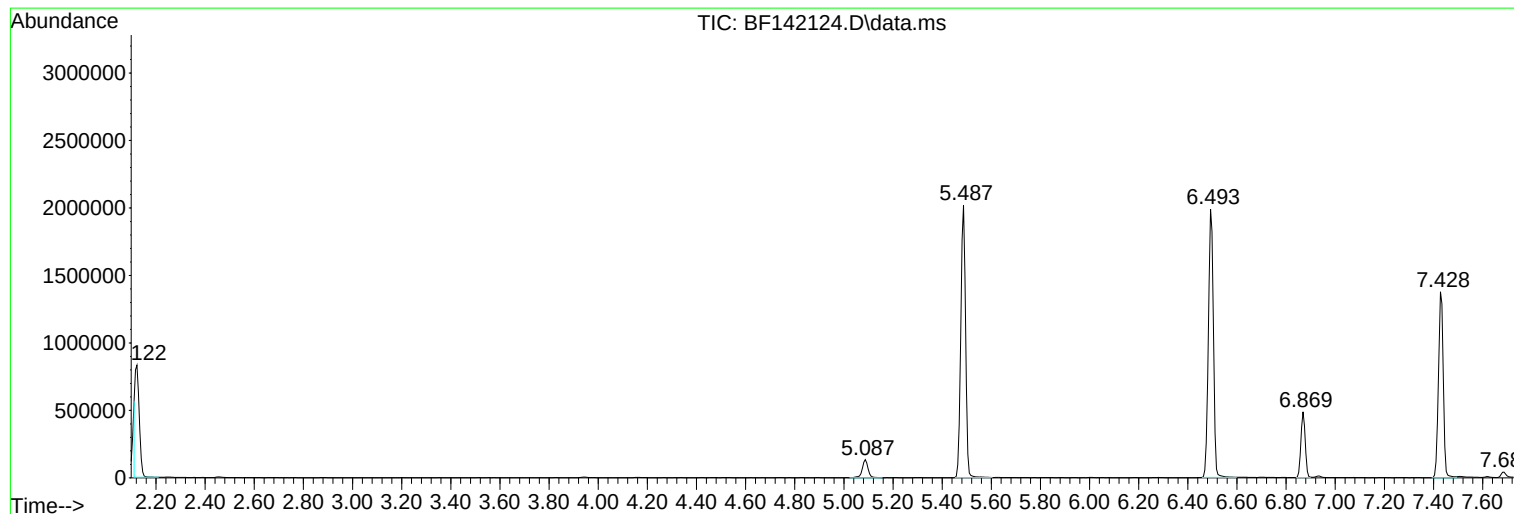
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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.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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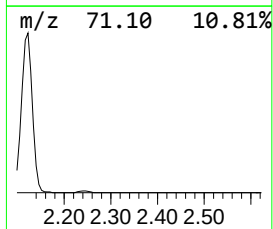
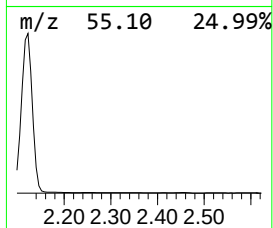
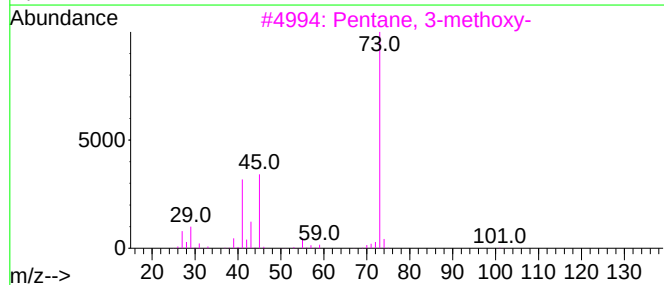
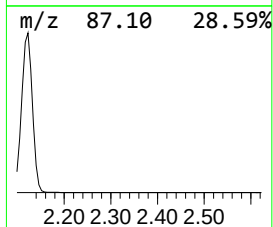
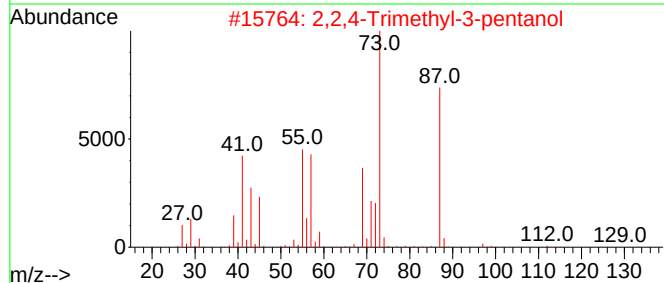
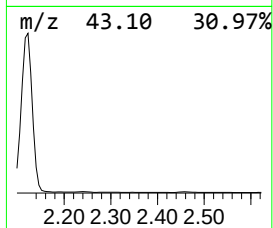
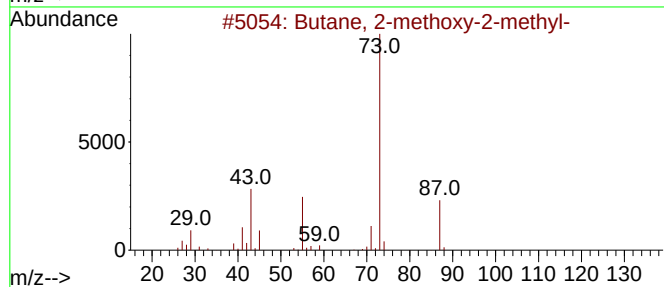
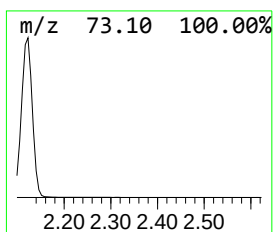
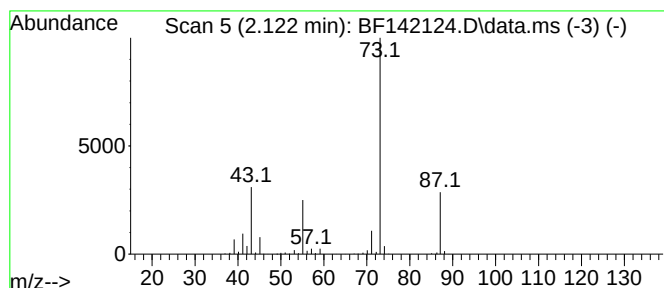
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

| R.T.  | EstConc  | Area   | Relative to ISTD       | R.T.  |
|-------|----------|--------|------------------------|-------|
| 2.122 | 33.45 ng | 989829 | 1,4-Dichlorobenzene-d4 | 6.869 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Butane, 2-methoxy-2-methyl-         | 102 | C6H14O   | 000994-05-8 | 78   |
| 2    |    |   | 2,2,4-Trimethyl-3-pentanol          | 130 | C8H18O   | 005162-48-1 | 39   |
| 3    |    |   | Pentane, 3-methoxy-                 | 102 | C6H14O   | 036839-67-5 | 23   |
| 4    |    |   | Silane, tetramethyl-                | 88  | C4H12Si  | 000075-76-3 | 17   |
| 5    |    |   | Boronic acid, ethyl-, dimethyl e... | 102 | C4H11BO2 | 007318-82-3 | 10   |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
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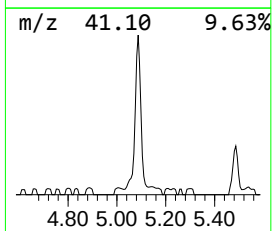
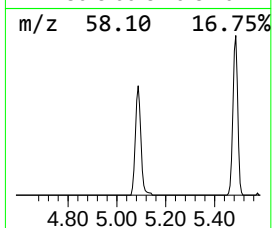
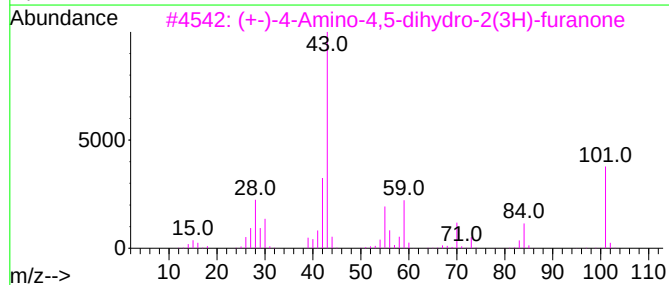
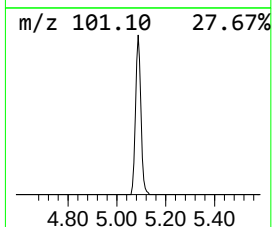
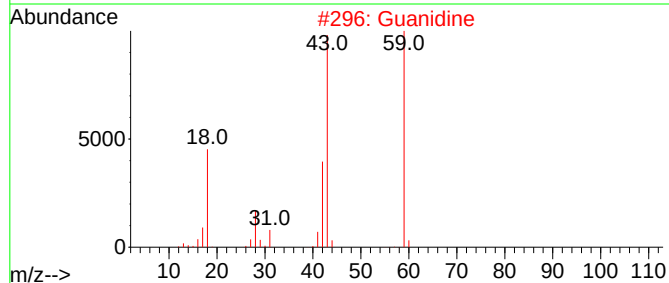
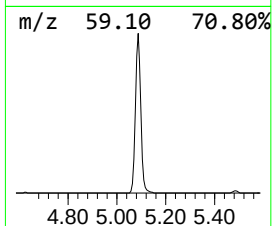
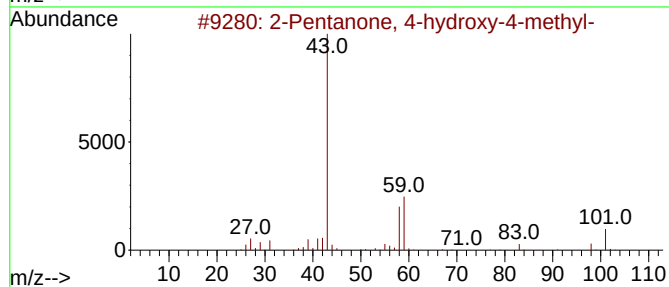
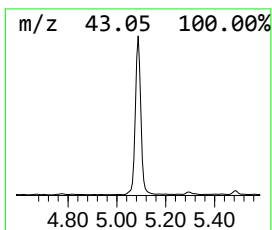
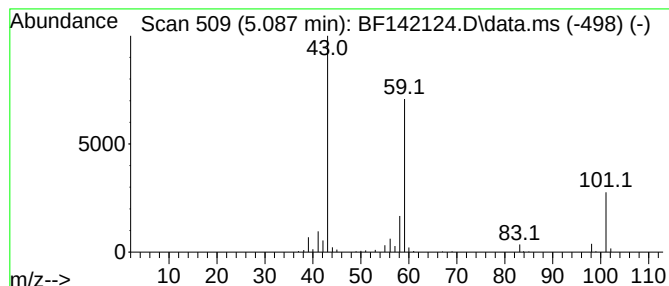
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 5.087 | 7.29 ng | 215885 | 1,4-Dichlorobenzene-d4 | 6.869 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 59   |
| 2    |    |   | Guanidine                           | 59  | CH5N3    | 000113-00-8 | 43   |
| 3    |    |   | (+)-4-Amino-4,5-dihydro-2(3H)-f...  | 101 | C4H7NO2  | 016504-58-8 | 38   |
| 4    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17   |
| 5    |    |   | 4-Penten-2-one, 4-methyl-           | 98  | C6H10O   | 003744-02-3 | 10   |



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ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-4

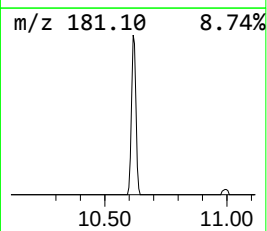
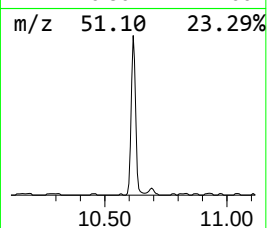
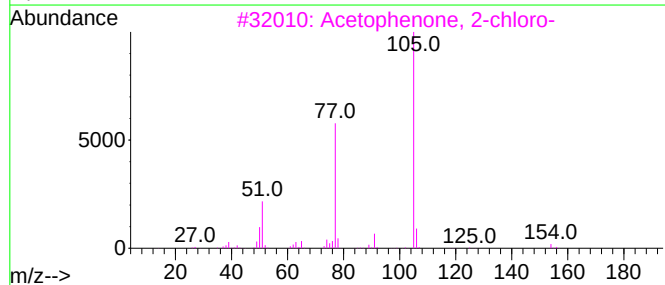
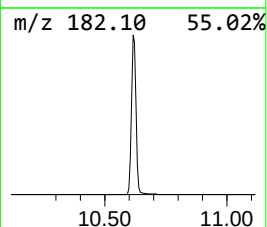
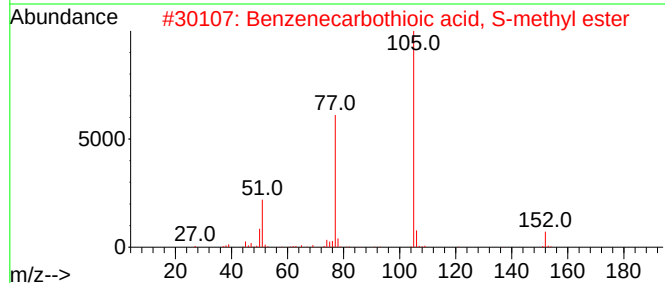
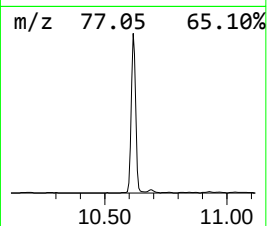
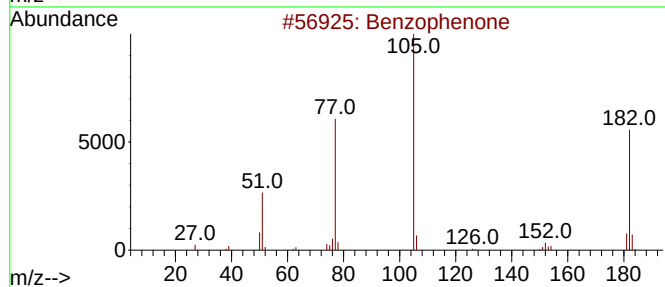
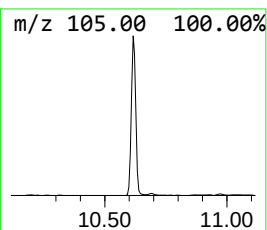
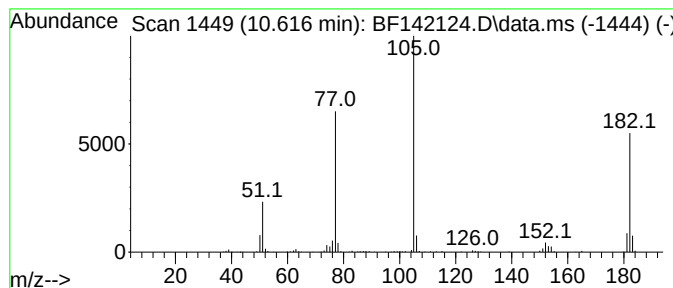
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Benzophenone Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.  |
|--------|---------|--------|------------------|-------|
| 10.616 | 7.49 ng | 355074 | Acenaphthene-d10 | 9.904 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O | 000119-61-9 | 96   |
| 2    |    |   | Benzenecarbothioic acid, S-methy... | 152 | C8H8OS  | 005925-68-8 | 50   |
| 3    |    |   | Acetophenone, 2-chloro-             | 154 | C8H7ClO | 000532-27-4 | 49   |
| 4    |    |   | 1-Propanone, 2-bromo-1-phenyl-      | 212 | C9H9BrO | 002114-00-3 | 47   |
| 5    |    |   | Benzoyl bromide                     | 184 | C7H5BrO | 000618-32-6 | 47   |



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BNA\_F  
ClientSampleId :  
TP-4

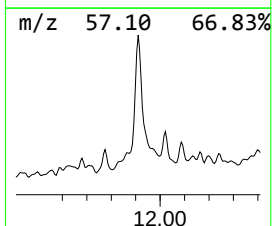
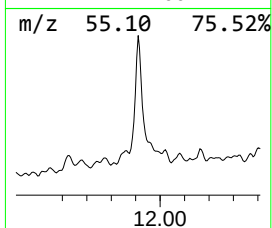
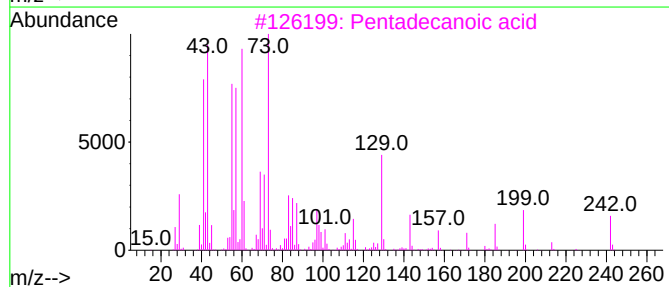
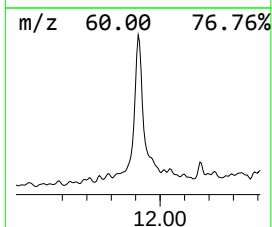
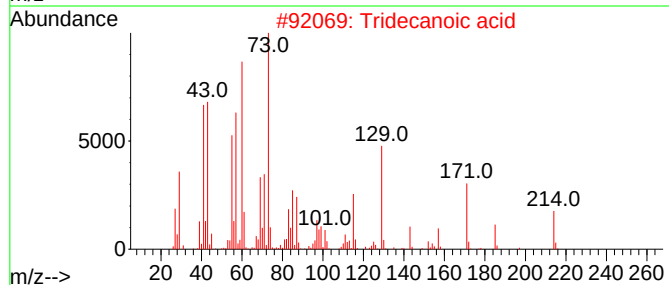
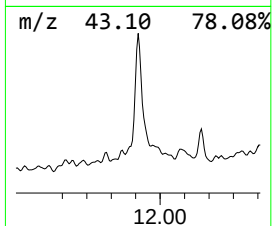
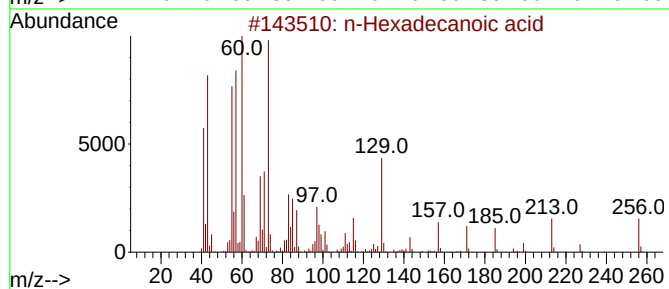
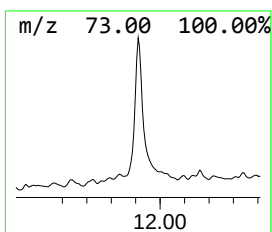
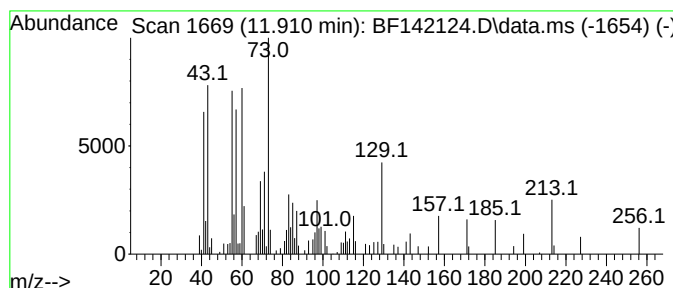
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TIC Library : C:\Database\NIST20.L  
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Peak Number 4 n-Hexadecanoic acid Concentration Rank 6

| R.T.      | EstConc                    | Area   | Relative to ISTD | R.T.        |      |
|-----------|----------------------------|--------|------------------|-------------|------|
| 11.910    | 2.79 ng                    | 139367 | Phenanthrene-d10 | 11.392      |      |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#        | Qual |
| 1         | n-Hexadecanoic acid        | 256    | C16H32O2         | 000057-10-3 | 99   |
| 2         | Tridecanoic acid           | 214    | C13H26O2         | 000638-53-9 | 94   |
| 3         | Pentadecanoic acid         | 242    | C15H30O2         | 001002-84-2 | 83   |
| 4         | n-Decanoic acid            | 172    | C10H20O2         | 000334-48-5 | 76   |
| 5         | Ethanol, 2-(hexadecyloxy)- | 286    | C18H38O2         | 002136-71-2 | 18   |



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TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

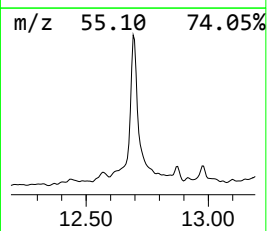
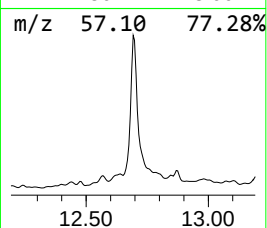
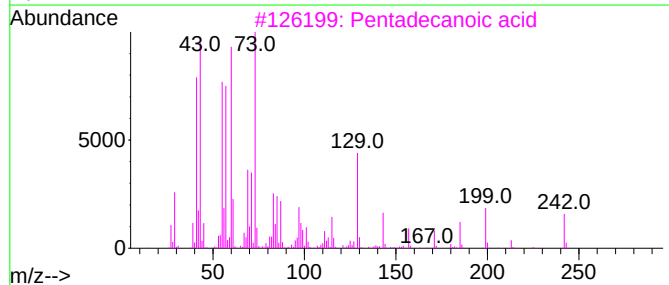
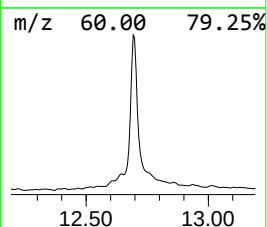
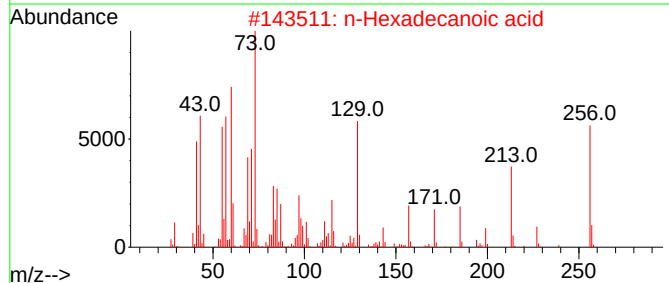
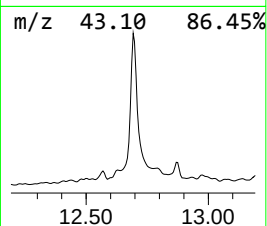
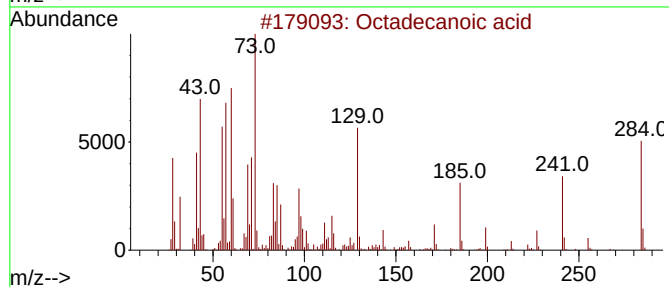
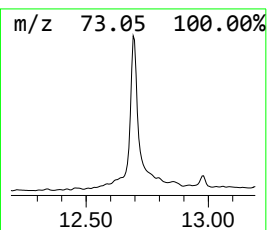
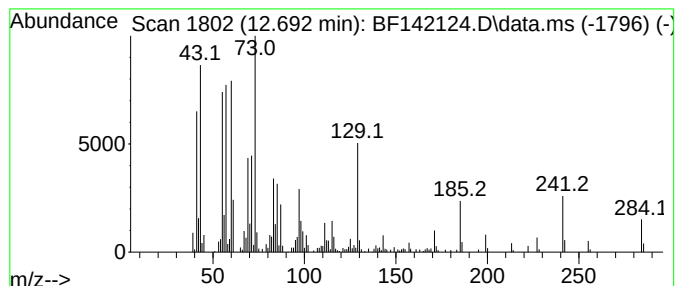
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 Octadecanoic acid Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 12.692 | 8.74 ng | 436864 | Phenanthrene-d10 | 11.392 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | Octadecanoic acid   | 284 | C18H36O2 | 000057-11-4 | 99   |
| 2    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 91   |
| 3    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 90   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 87   |
| 5    |    |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 72   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032725\  
Data File : BF142124.D  
Acq On : 27 Mar 2025 14:08  
Operator : RC/JU  
Sample : Q1645-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

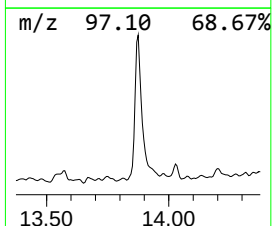
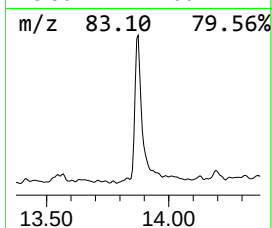
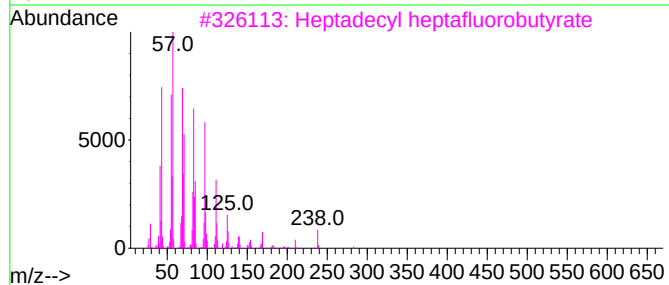
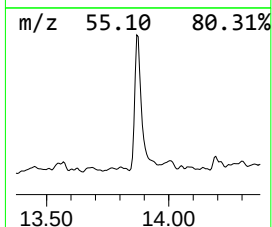
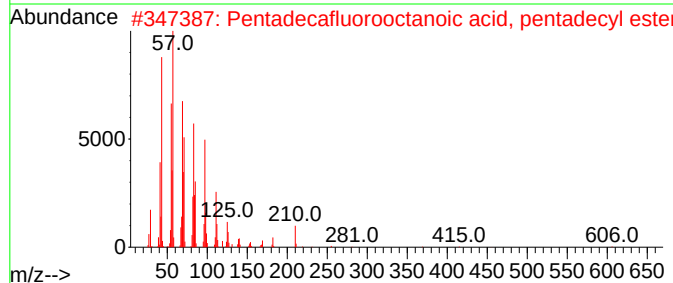
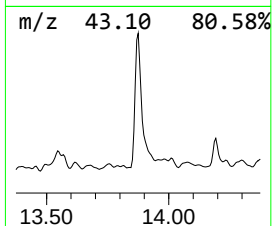
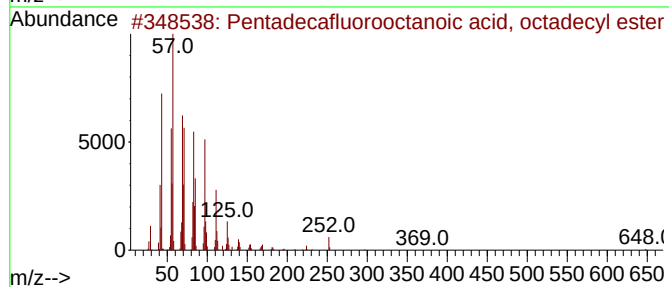
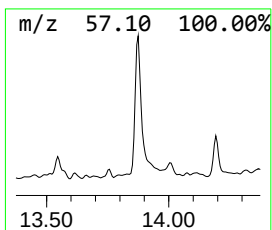
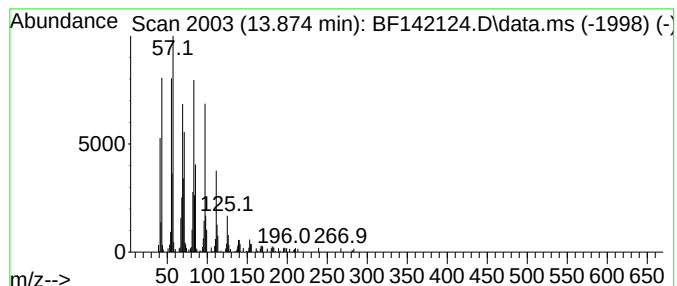
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 6 Pentadecafluorooctanoic aci... Concentration Rank 5

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.874 | 5.22 ng | 213881 | Chrysene-d12     | 14.033 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Pentadecafluorooctanoic acid, oc... | 666 | C26H37F15O2 | 1000406-04-8 | 95   |
| 2    |    |   | Pentadecafluorooctanoic acid, pe... | 624 | C23H31F15O2 | 1000406-04-5 | 94   |
| 3    |    |   | Heptadecyl heptafluorobutyrate      | 452 | C21H35F7O2  | 959085-66-6  | 94   |
| 4    |    |   | Heptadecyl trifluoroacetate         | 352 | C19H35F3O2  | 1010351-87-0 | 93   |
| 5    |    |   | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 93   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF032725\  
Data File : BF142124.D  
Acq On : 27 Mar 2025 14:08  
Operator : RC/JU  
Sample : Q1645-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
TP-4

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF031025.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| Butane, 2-metho... | 2.122  | 33.5    | ng    | 989829   | 1                     | 6.869  | 591891 | 20.0 |
| 2-Pentanone, 4-... | 5.087  | 7.3     | ng    | 215885   | 1                     | 6.869  | 591891 | 20.0 |
| Benzophenone       | 10.616 | 7.5     | ng    | 355074   | 3                     | 9.904  | 948041 | 20.0 |
| n-Hexadecanoic ... | 11.910 | 2.8     | ng    | 139367   | 4                     | 11.392 | 999411 | 20.0 |
| Octadecanoic acid  | 12.692 | 8.7     | ng    | 436864   | 4                     | 11.392 | 999411 | 20.0 |
| Pentadecafluoro... | 13.874 | 5.2     | ng    | 213881   | 5                     | 14.033 | 818844 | 20.0 |