

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110124\  
 Data File : BF140211.D  
 Acq On : 01 Nov 2024 15:20  
 Operator : RC/JU  
 Sample : P4659-01  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MH-2

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-BF101824.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140211.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         | 2.199       | 11            | 18          | 25           | rVB      | 971805         | 1526680       | 59.55%          | 7.213%        |
| 2         | 5.110       | 508           | 513         | 522          | rVB      | 34091          | 60053         | 2.34%           | 0.284%        |
| 3         | 5.504       | 574           | 580         | 585          | rBV      | 1688864        | 2234253       | 87.16%          | 10.556%       |
| 4         | 6.504       | 744           | 750         | 755          | rBV      | 1711945        | 2318373       | 90.44%          | 10.954%       |
| 5         | 6.881       | 809           | 814         | 820          | rVB      | 523678         | 649334        | 25.33%          | 3.068%        |
| 6         | 7.439       | 903           | 909         | 914          | rBV      | 1186031        | 1563931       | 61.01%          | 7.389%        |
| 7         | 7.692       | 948           | 952         | 959          | rVB      | 29318          | 37505         | 1.46%           | 0.177%        |
| 8         | 8.163       | 1026          | 1032        | 1039         | rBV      | 694462         | 867949        | 33.86%          | 4.101%        |
| 9         | 9.239       | 1209          | 1215        | 1220         | rBV      | 2008516        | 2563481       | 100.00%         | 12.112%       |
| 10        | 9.639       | 1278          | 1283        | 1290         | rVB3     | 14552          | 26309         | 1.03%           | 0.124%        |
| 11        | 9.851       | 1311          | 1319        | 1323         | rBV      | 37983          | 54109         | 2.11%           | 0.256%        |
| 12        | 9.922       | 1323          | 1331        | 1336         | rBV      | 790621         | 1005321       | 39.22%          | 4.750%        |
| 13        | 10.351      | 1398          | 1404        | 1408         | rBV      | 47820          | 65948         | 2.57%           | 0.312%        |
| 14        | 10.575      | 1437          | 1442        | 1448         | rBV      | 26872          | 45006         | 1.76%           | 0.213%        |
| 15        | 10.639      | 1448          | 1453        | 1460         | rVV      | 237072         | 304112        | 11.86%          | 1.437%        |
| 16        | 10.716      | 1460          | 1466        | 1478         | rVV      | 1278664        | 1676293       | 65.39%          | 7.920%        |
| 17        | 10.827      | 1481          | 1485        | 1494         | rVB      | 65013          | 117575        | 4.59%           | 0.556%        |
| 18        | 11.280      | 1557          | 1562        | 1565         | rBV      | 56318          | 78872         | 3.08%           | 0.373%        |
| 19        | 11.310      | 1565          | 1567        | 1573         | rVB      | 28701          | 34643         | 1.35%           | 0.164%        |
| 20        | 11.416      | 1580          | 1585        | 1593         | rBV      | 783059         | 1042833       | 40.68%          | 4.927%        |
| 21        | 11.486      | 1593          | 1597        | 1601         | rVB2     | 26462          | 37157         | 1.45%           | 0.176%        |
| 22        | 11.710      | 1630          | 1635        | 1639         | rVB      | 45437          | 57462         | 2.24%           | 0.271%        |
| 23        | 11.945      | 1668          | 1675        | 1685         | rBV      | 253844         | 397728        | 15.52%          | 1.879%        |
| 24        | 12.116      | 1700          | 1704        | 1708         | rVB      | 41677          | 51754         | 2.02%           | 0.245%        |
| 25        | 12.510      | 1767          | 1771        | 1776         | rVB      | 33378          | 43973         | 1.72%           | 0.208%        |
| 26        | 12.633      | 1787          | 1792        | 1797         | rBV      | 105597         | 143018        | 5.58%           | 0.676%        |
| 27        | 12.733      | 1805          | 1809        | 1816         | rBV2     | 37788          | 75060         | 2.93%           | 0.355%        |
| 28        | 12.863      | 1826          | 1831        | 1838         | rVB      | 105166         | 163832        | 6.39%           | 0.774%        |
| 29        | 13.010      | 1850          | 1856        | 1864         | rVB      | 1646873        | 2125967       | 82.93%          | 10.045%       |
| 30        | 13.239      | 1892          | 1895        | 1901         | rBV2     | 18211          | 31296         | 1.22%           | 0.148%        |
| 31        | 13.910      | 2005          | 2009        | 2021         | rVB      | 66418          | 124692        | 4.86%           | 0.589%        |
| 32        | 14.068      | 2030          | 2036        | 2046         | rVB2     | 432133         | 696443        | 27.17%          | 3.291%        |
| 33        | 14.933      | 2180          | 2183        | 2190         | rVB      | 29767          | 41333         | 1.61%           | 0.195%        |
| 34        | 15.121      | 2211          | 2215        | 2224         | rVB      | 63100          | 133975        | 5.23%           | 0.633%        |
| 35        | 15.433      | 2264          | 2268        | 2273         | rVB      | 40412          | 65711         | 2.56%           | 0.310%        |
| 36        | 15.498      | 2275          | 2279        | 2284         | rVV      | 46946          | 77937         | 3.04%           | 0.368%        |

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Sample : P4659-01  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-2

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-BF101824.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |     |        |        |        |        |
|----|--------|------|------|------|-----|--------|--------|--------|--------|
| 37 | 15.562 | 2285 | 2290 | 2307 | rVB | 363854 | 625015 | 24.38% | 2.953% |
|----|--------|------|------|------|-----|--------|--------|--------|--------|

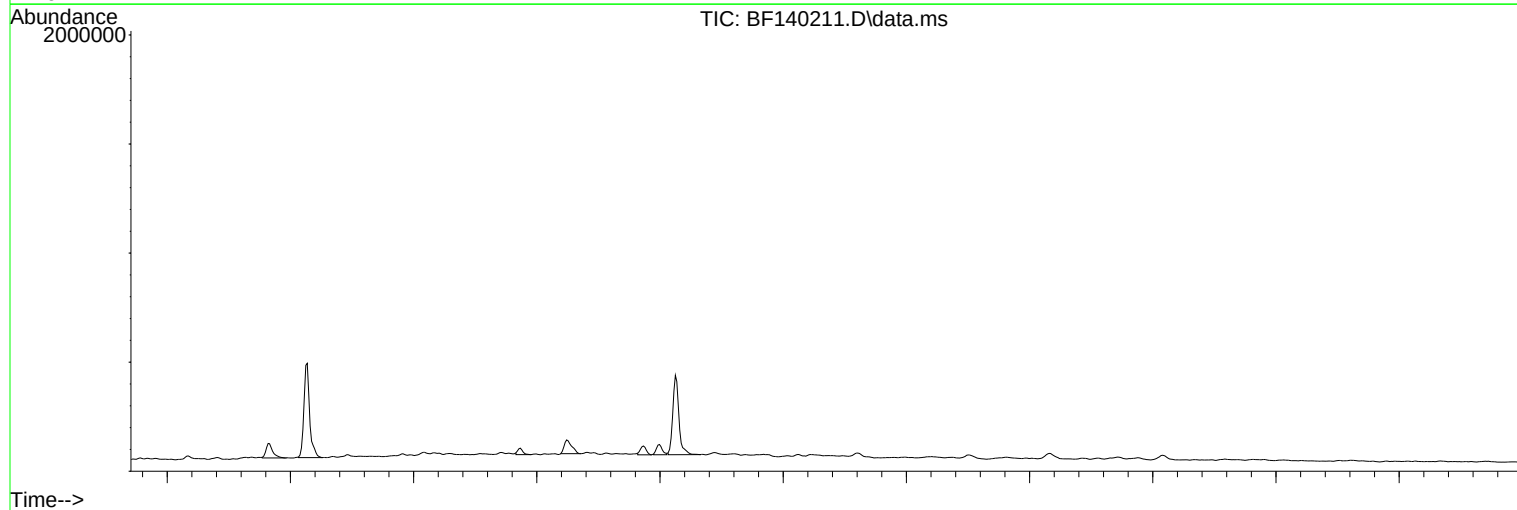
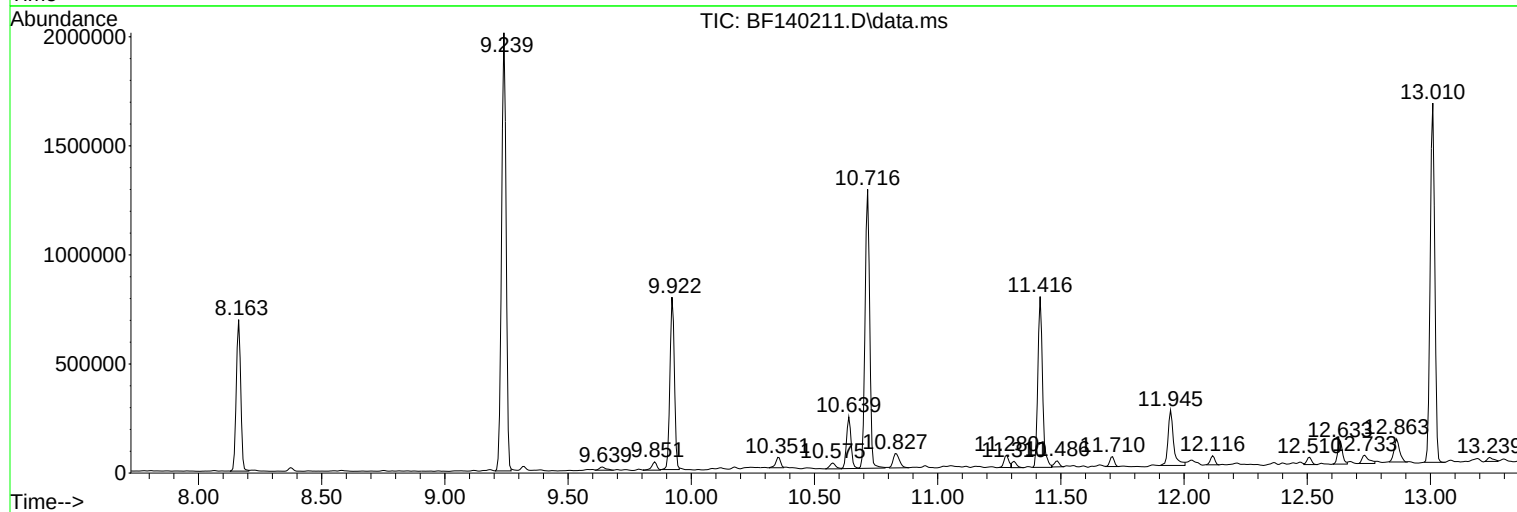
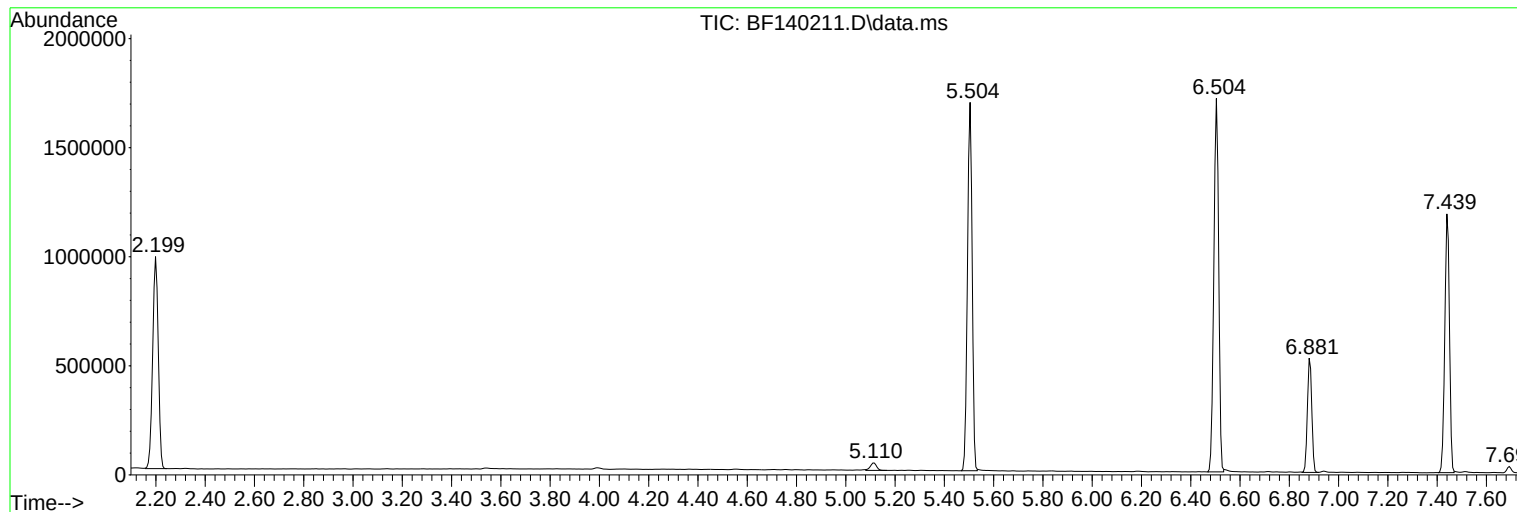
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Misc :  
ALS Vial : 13 Sample Multiplier: 1

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BNA\_F  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

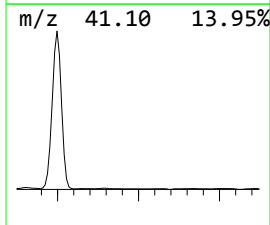
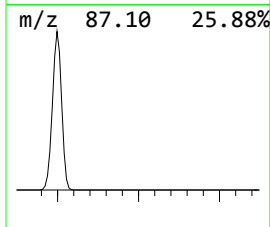
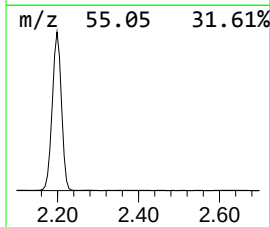
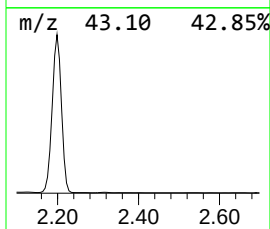
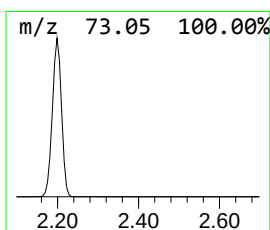
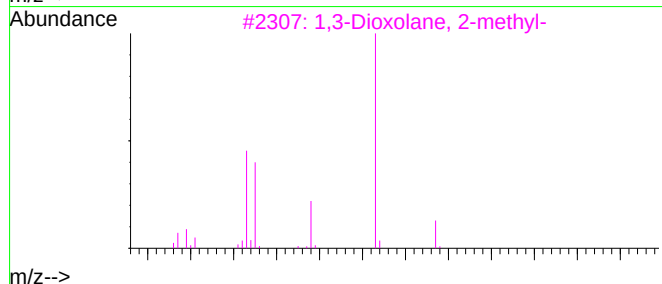
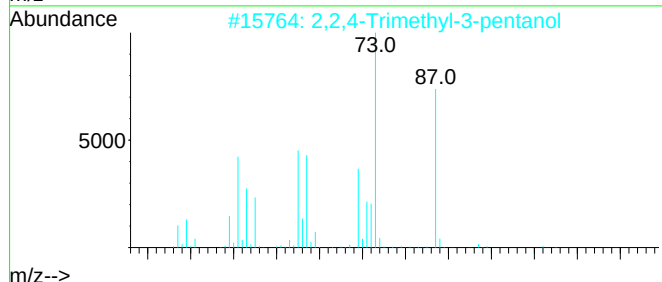
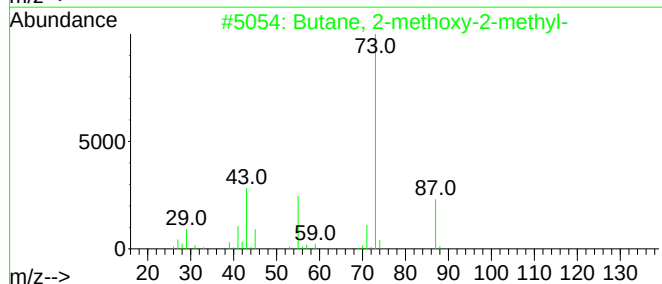
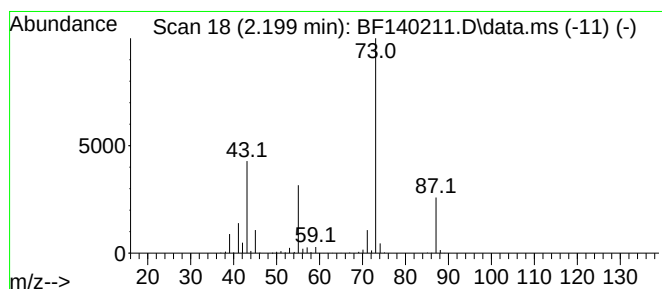
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

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

| R.T.      | EstConc                          | Area    | Relative to ISTD       | R.T.        |      |
|-----------|----------------------------------|---------|------------------------|-------------|------|
| 2.199     | 47.02 ng                         | 1526680 | 1,4-Dichlorobenzene-d4 | 6.881       |      |
| Hit# of 5 | Tentative ID                     | MW      | MolForm                | CAS#        | Qual |
| 1         | Butane, 2-methoxy-2-methyl-      | 102     | C6H14O                 | 000994-05-8 | 83   |
| 2         | 2,2,4-Trimethyl-3-pentanol       | 130     | C8H18O                 | 005162-48-1 | 39   |
| 3         | 1,3-Dioxolane, 2-methyl-         | 88      | C4H8O2                 | 000497-26-7 | 25   |
| 4         | Octanal, 7-methoxy-3,7-dimethyl- | 186     | C11H22O2               | 003613-30-7 | 17   |
| 5         | 3-Pentanol, 3-methyl-            | 102     | C6H14O                 | 000077-74-7 | 17   |



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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L

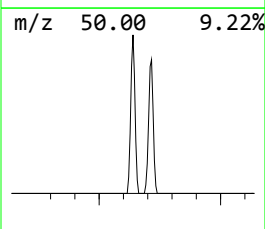
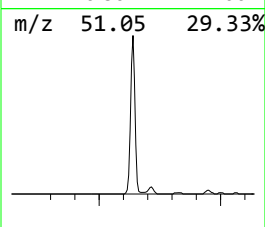
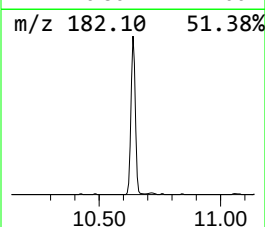
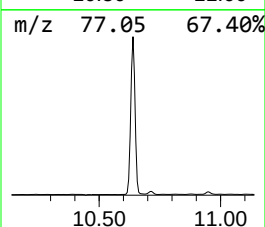
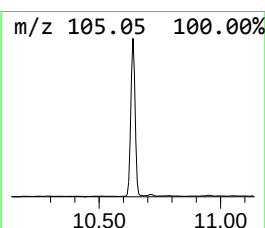
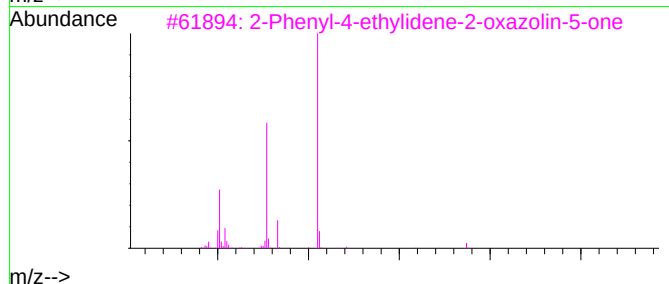
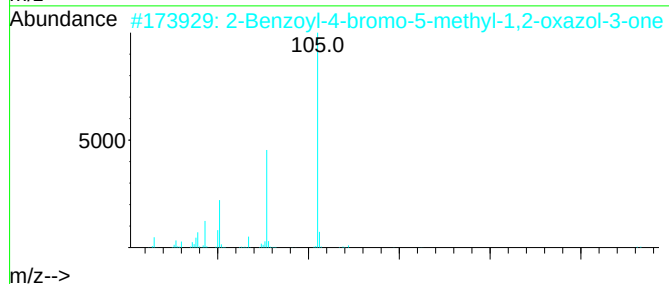
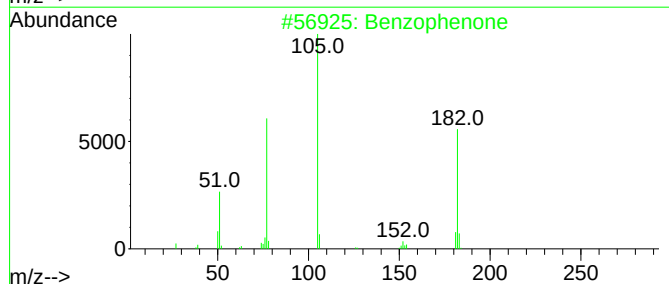
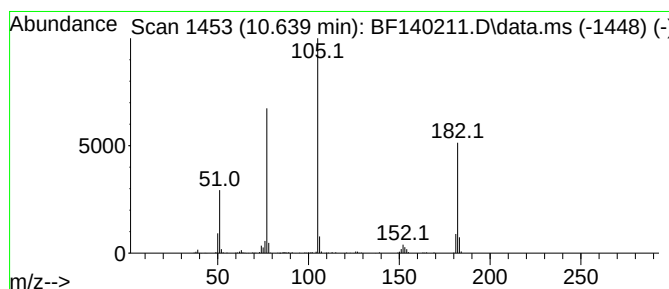
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Benzophenone Concentration Rank 3

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.  |
|--------|---------|--------|------------------|-------|
| 10.639 | 6.05 ng | 304112 | Acenaphthene-d10 | 9.922 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|-----------|-------------------------------------|-----|------------|--------------|------|
| 1         | Benzophenone                        | 182 | C13H10O    | 000119-61-9  | 96   |
| 2         | 2-Benzoyl-4-bromo-5-methyl-1,2-o... | 281 | C11H8BrNO3 | 1000444-92-3 | 50   |
| 3         | 2-Phenyl-4-ethylidene-2-oxazolin... | 187 | C11H9NO2   | 037791-41-6  | 50   |
| 4         | N-Methoxy-N-methylbenzamide         | 165 | C9H11NO2   | 006919-61-5  | 50   |
| 5         | 1-Butanone, 1-phenyl-               | 148 | C10H12O    | 000495-40-9  | 50   |



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Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

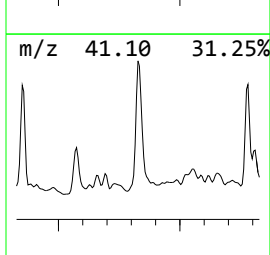
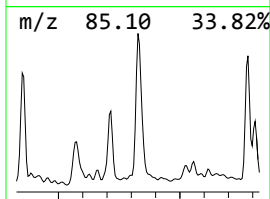
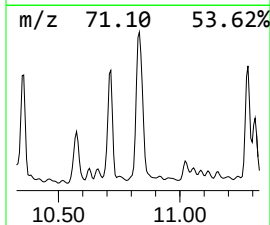
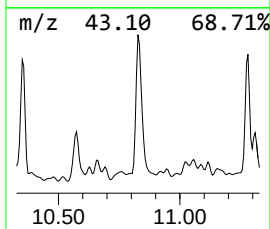
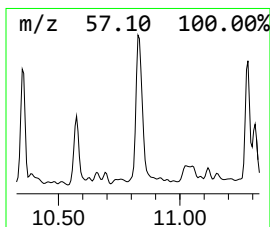
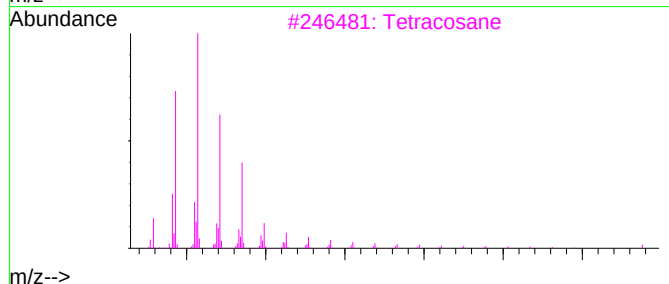
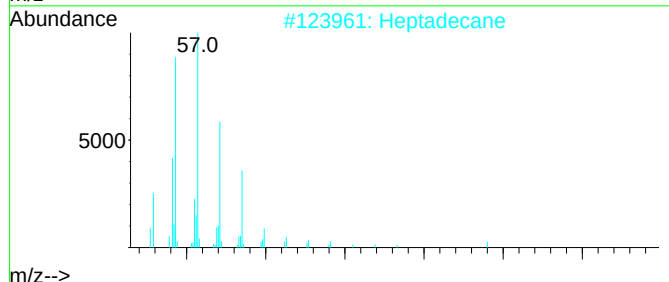
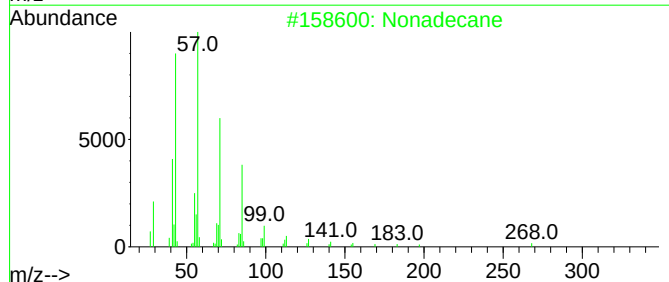
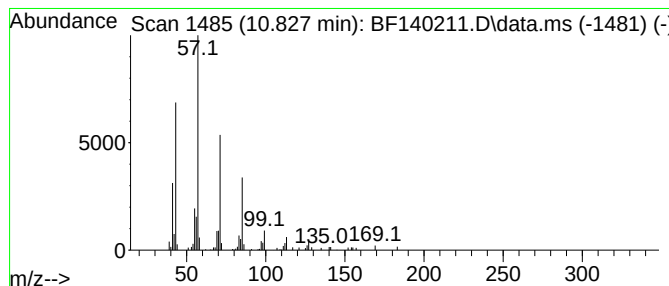
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

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Peak Number 3 Nonadecane Concentration Rank 5

| R.T.      | EstConc      | Area   | Relative to ISTD |         | R.T.        |      |
|-----------|--------------|--------|------------------|---------|-------------|------|
| 10.827    | 2.25 ng      | 117575 | Phenanthrene-d10 |         | 11.416      |      |
| Hit# of 5 | Tentative ID |        | MW               | MolForm | CAS#        | Qual |
| 1         | Nonadecane   |        | 268              | C19H40  | 000629-92-5 | 91   |
| 2         | Heptadecane  |        | 240              | C17H36  | 000629-78-7 | 91   |
| 3         | Tetracosane  |        | 338              | C24H50  | 000646-31-1 | 91   |
| 4         | Octacosane   |        | 394              | C28H58  | 000630-02-4 | 91   |
| 5         | Pentadecane  |        | 212              | C15H32  | 000629-62-9 | 90   |



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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

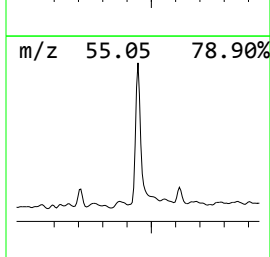
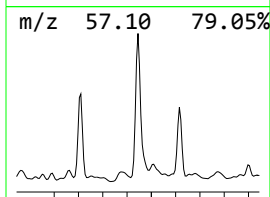
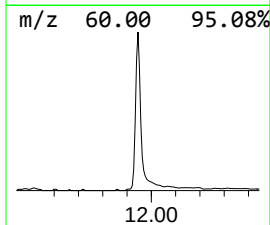
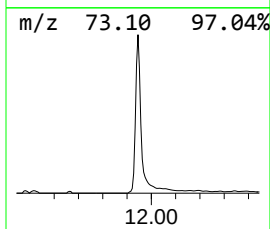
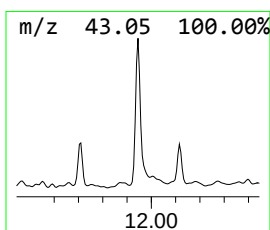
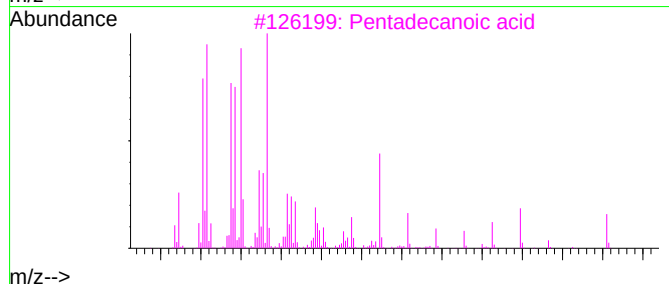
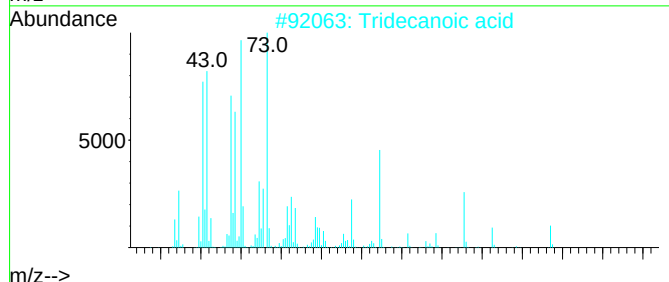
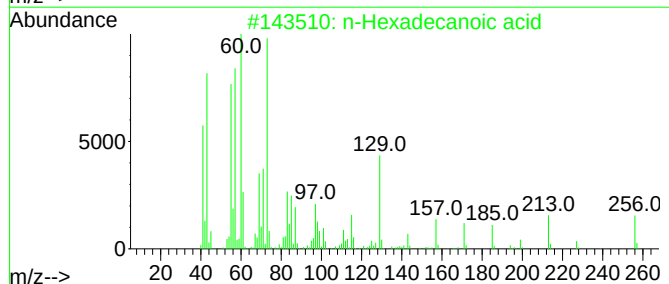
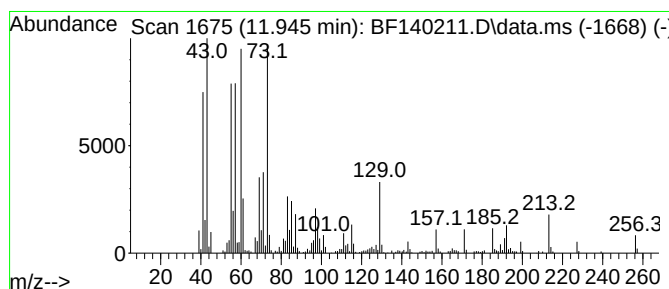
TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

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Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

| R.T.      | EstConc             | Area   | Relative to ISTD |          | R.T.        |      |
|-----------|---------------------|--------|------------------|----------|-------------|------|
| 11.945    | 7.63 ng             | 397728 | Phenanthrene-d10 |          | 11.416      |      |
| 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 | 90   |
| 3         | Pentadecanoic acid  |        | 242              | C15H30O2 | 001002-84-2 | 87   |
| 4         | Tetradecanoic acid  |        | 228              | C14H28O2 | 000544-63-8 | 80   |
| 5         | n-Decanoic acid     |        | 172              | C10H20O2 | 000334-48-5 | 60   |



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MH-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

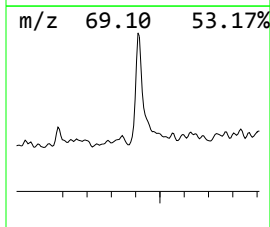
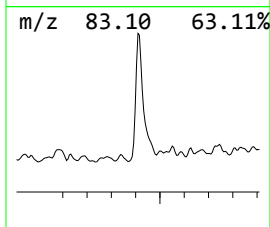
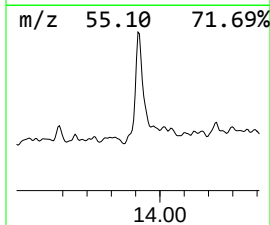
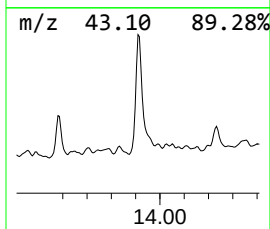
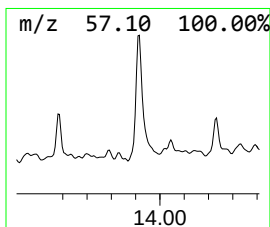
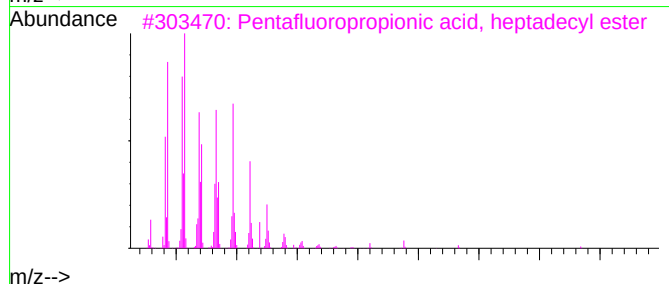
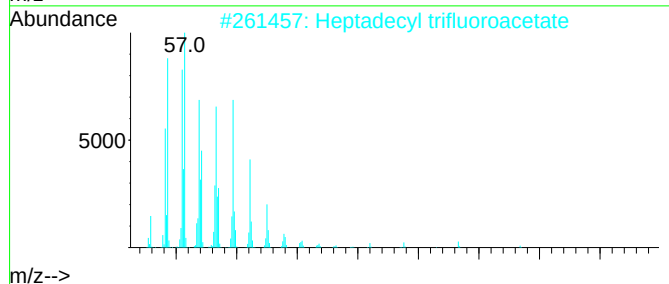
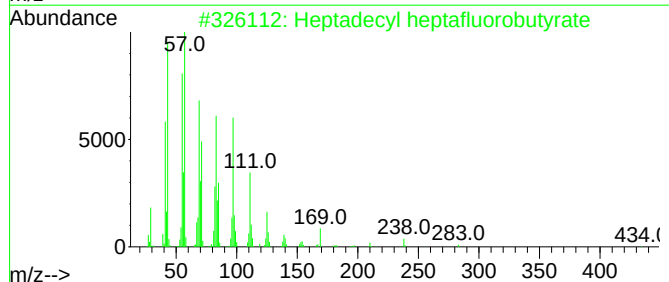
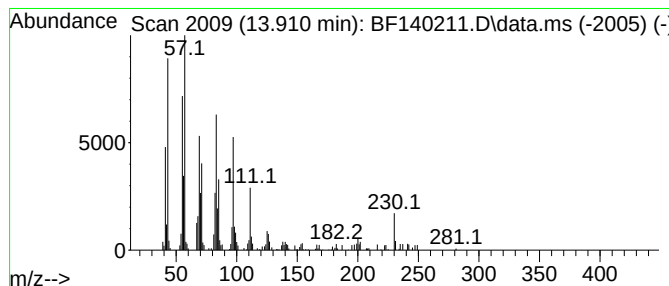
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Peak Number 5 Heptadecyl heptafluorobutyrate Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.910 | 3.58 ng | 124692 | Chrysene-d12     | 14.068 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|-----------|-------------------------------------|-----|------------|--------------|------|
| 1         | Heptadecyl heptafluorobutyrate      | 452 | C21H35F7O2 | 959085-66-6  | 91   |
| 2         | Heptadecyl trifluoroacetate         | 352 | C19H35F3O2 | 1010351-87-0 | 90   |
| 3         | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 959218-78-1  | 87   |
| 4         | Heneicosyl heptafluorobutyrate      | 508 | C25H43F7O2 | 1000351-83-8 | 87   |
| 5         | 17-Pentatriacontene                 | 491 | C35H70     | 006971-40-0  | 87   |





Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110124\  
Data File : BF140211.D  
Acq On : 01 Nov 2024 15:20  
Operator : RC/JU  
Sample : P4659-01  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

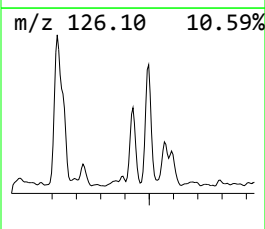
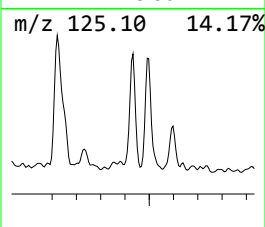
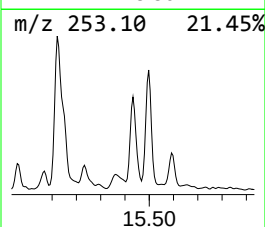
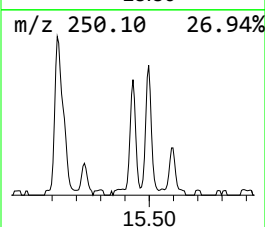
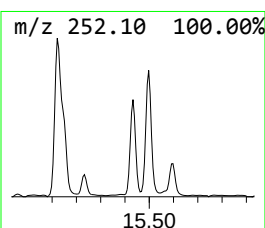
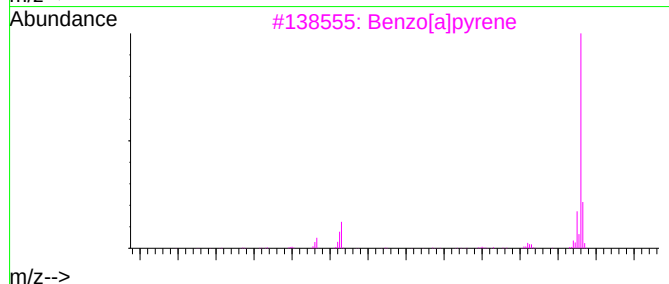
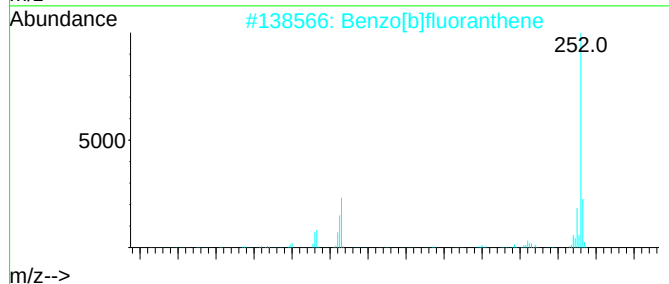
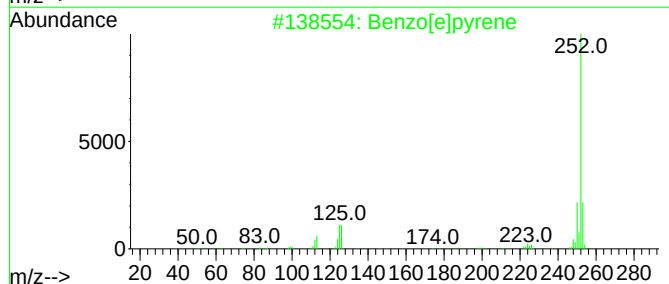
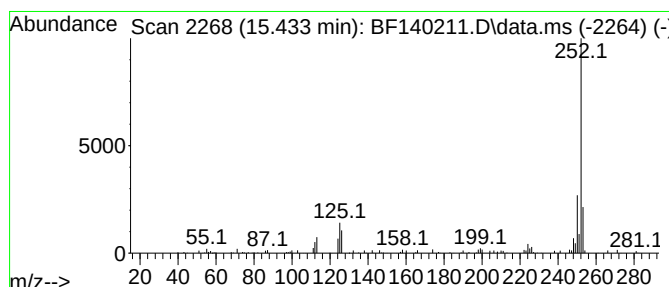
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Peak Number 6 Benzo[e]pyrene Concentration Rank 6

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 15.433 | 2.10 ng | 65711 | Perylene-d12     | 15.562 |

| Hit# of 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|-----------|----------------------|-----|---------|-------------|------|
| 1         | Benzo[e]pyrene       | 252 | C20H12  | 000192-97-2 | 93   |
| 2         | Benzo[b]fluoranthene | 252 | C20H12  | 000205-99-2 | 93   |
| 3         | Benzo[a]pyrene       | 252 | C20H12  | 000050-32-8 | 91   |
| 4         | Perylene             | 252 | C20H12  | 000198-55-0 | 90   |
| 5         | Benzo[j]fluoranthene | 252 | C20H12  | 000205-82-3 | 90   |



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF110124\  
Data File : BF140211.D  
Acq On : 01 Nov 2024 15:20  
Operator : RC/JU  
Sample : P4659-01  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MH-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF101824.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 |
| Butane, 2-metho... | 2.199  | 47.0    | ng    | 1526680  | 1                     | 6.881  | 649334  | 20.0 |
| Benzophenone       | 10.639 | 6.0     | ng    | 304112   | 3                     | 9.922  | 1005320 | 20.0 |
| Nonadecane         | 10.827 | 2.3     | ng    | 117575   | 4                     | 11.416 | 1042830 | 20.0 |
| n-Hexadecanoic ... | 11.945 | 7.6     | ng    | 397728   | 4                     | 11.416 | 1042830 | 20.0 |
| Heptadecyl hept... | 13.910 | 3.6     | ng    | 124692   | 5                     | 14.068 | 696443  | 20.0 |
| Benzo[e]pyrene     | 15.433 | 2.1     | ng    | 65711    | 6                     | 15.562 | 625015  | 20.0 |