

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF082621\  
 Data File : BF125233.D  
 Acq On : 26 Aug 2021 19:35  
 Operator : JU/CG  
 Sample : M3547-07  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PE-6

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-BF081821.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF125233.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         | 2.210       | 16            | 21          | 28           | rVB      | 1273702        | 1621218       | 39.66%          | 5.063%        |
| 2         | 3.063       | 159           | 166         | 174          | rVB2     | 41198          | 70503         | 1.72%           | 0.220%        |
| 3         | 5.534       | 581           | 586         | 589          | rBV      | 3708647        | 3762433       | 92.04%          | 11.750%       |
| 4         | 6.534       | 751           | 756         | 759          | rBV      | 3831416        | 3685267       | 90.15%          | 11.509%       |
| 5         | 6.910       | 817           | 820         | 824          | rBV      | 1405098        | 1202713       | 29.42%          | 3.756%        |
| 6         | 7.475       | 911           | 916         | 919          | rBV      | 2634541        | 2427467       | 59.38%          | 7.581%        |
| 7         | 8.098       | 1018          | 1022        | 1033         | rBV2     | 68126          | 166893        | 4.08%           | 0.521%        |
| 8         | 8.192       | 1035          | 1038        | 1042         | rBV      | 1697065        | 1535365       | 37.56%          | 4.795%        |
| 9         | 9.269       | 1217          | 1221        | 1224         | rBV      | 4771196        | 4087747       | 100.00%         | 12.766%       |
| 10        | 9.951       | 1333          | 1337        | 1340         | rBV      | 1913981        | 1731406       | 42.36%          | 5.407%        |
| 11        | 10.733      | 1466          | 1470        | 1479         | rBV      | 2847749        | 2812706       | 68.81%          | 8.784%        |
| 12        | 11.433      | 1585          | 1589        | 1592         | rBV      | 1959181        | 1755144       | 42.94%          | 5.481%        |
| 13        | 11.457      | 1592          | 1593        | 1596         | rVB      | 83496          | 51713         | 1.27%           | 0.162%        |
| 14        | 11.951      | 1672          | 1677        | 1682         | rBV2     | 387237         | 384492        | 9.41%           | 1.201%        |
| 15        | 12.645      | 1792          | 1795        | 1799         | rBV      | 117612         | 102455        | 2.51%           | 0.320%        |
| 16        | 12.739      | 1808          | 1811        | 1820         | rBV      | 112274         | 136122        | 3.33%           | 0.425%        |
| 17        | 12.874      | 1829          | 1834        | 1838         | rBV      | 97945          | 104446        | 2.56%           | 0.326%        |
| 18        | 13.021      | 1854          | 1859        | 1862         | rBV      | 4169935        | 3746555       | 91.65%          | 11.701%       |
| 19        | 13.945      | 2013          | 2016        | 2018         | rBV      | 90421          | 117686        | 2.88%           | 0.368%        |
| 20        | 14.074      | 2034          | 2038        | 2041         | rBV      | 1338909        | 1183171       | 28.94%          | 3.695%        |
| 21        | 15.127      | 2213          | 2217        | 2221         | rBV2     | 30896          | 57607         | 1.41%           | 0.180%        |
| 22        | 15.568      | 2287          | 2292        | 2302         | rVB      | 945098         | 1181284       | 28.90%          | 3.689%        |
| 23        | 16.827      | 2501          | 2506        | 2512         | rVB3     | 59048          | 95834         | 2.34%           | 0.299%        |

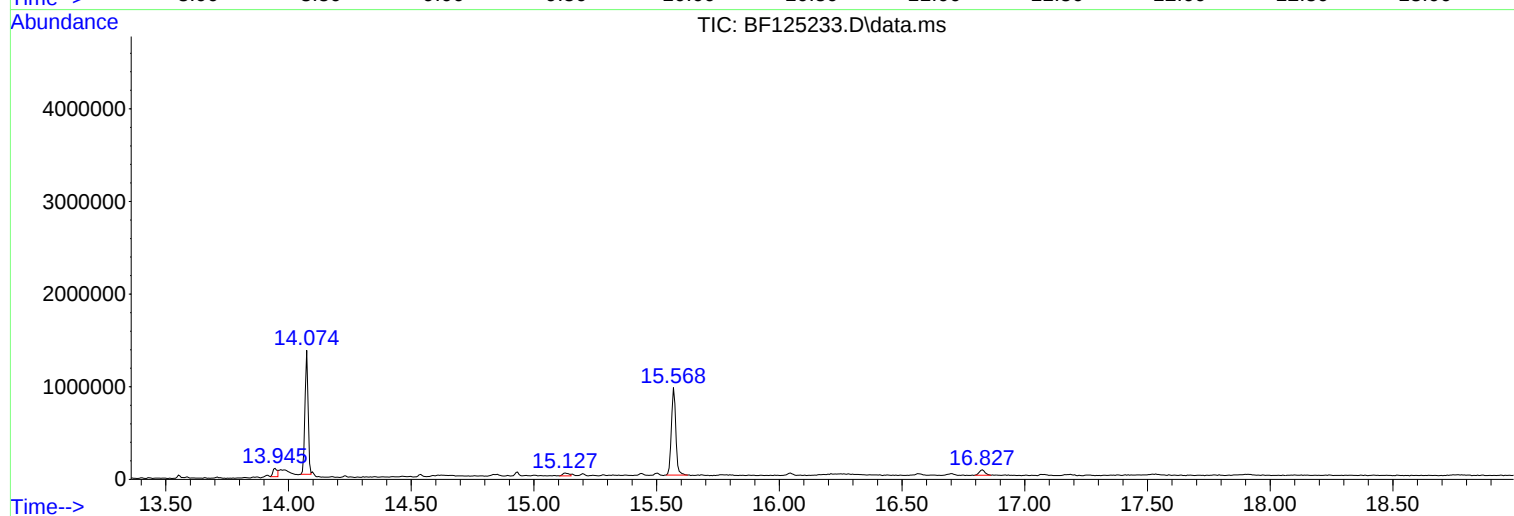
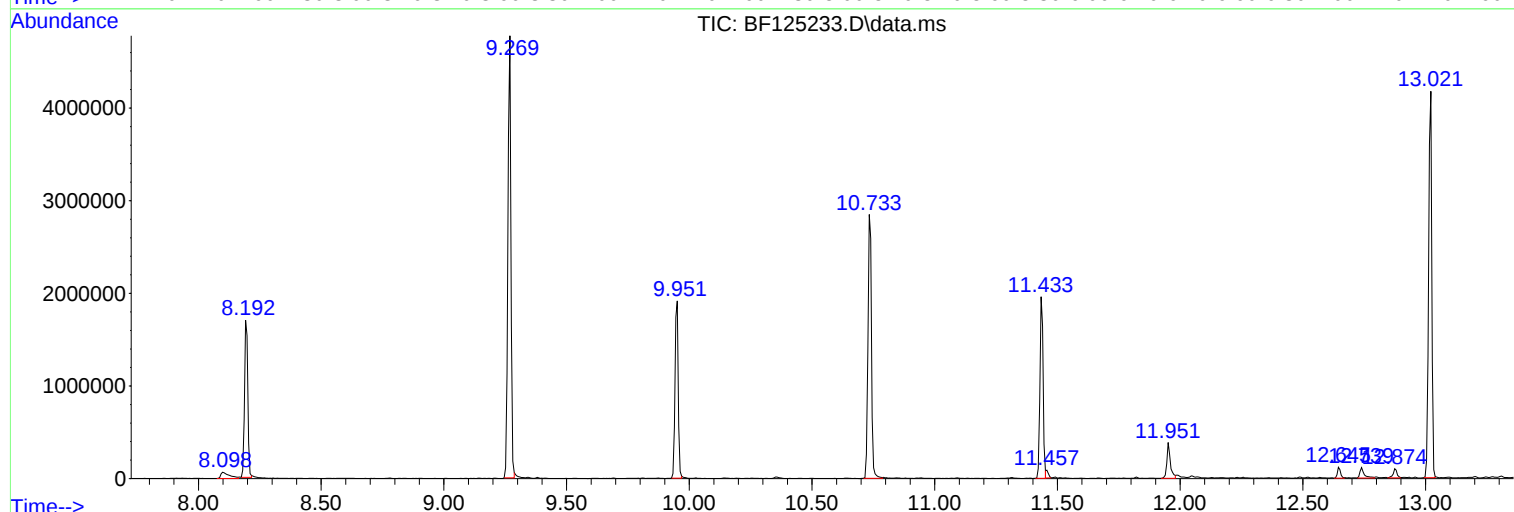
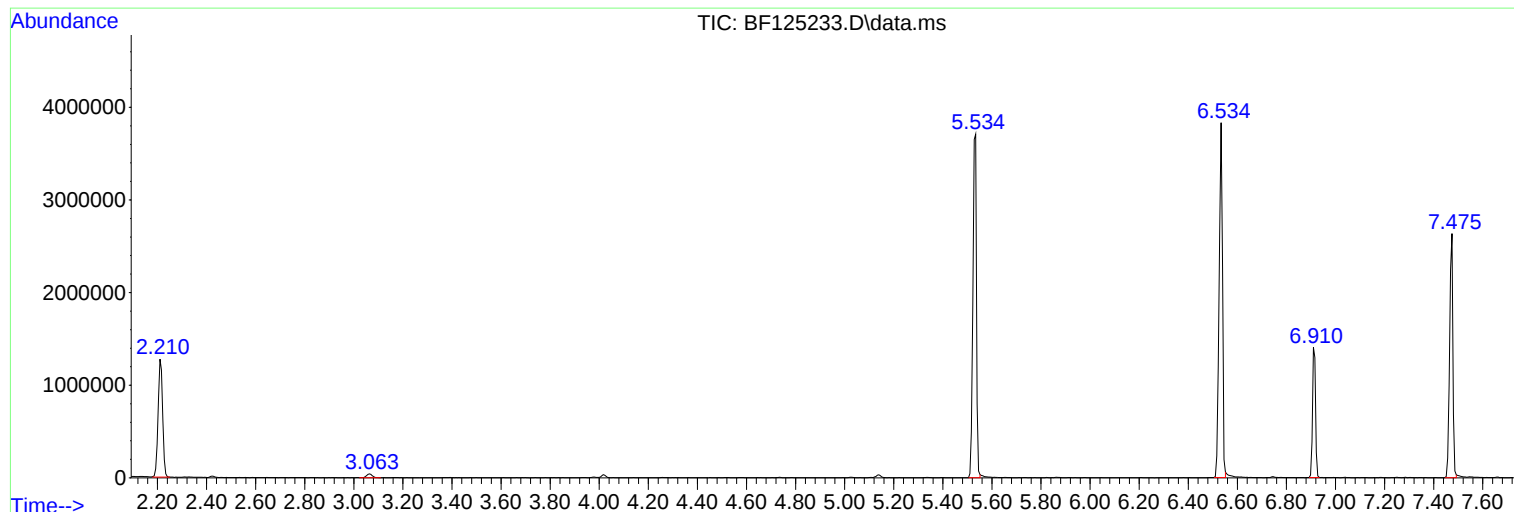
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BNA\_F  
ClientSampleId :  
PE-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF081821.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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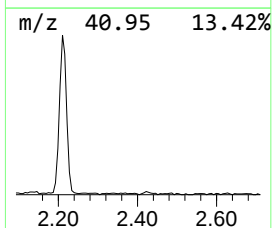
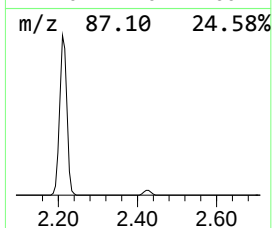
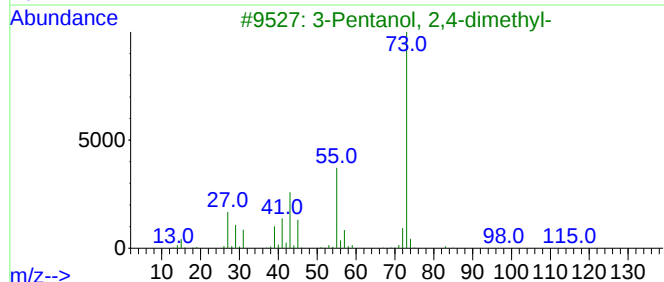
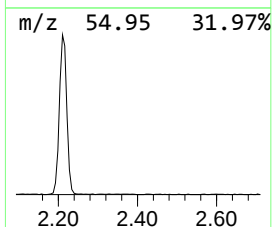
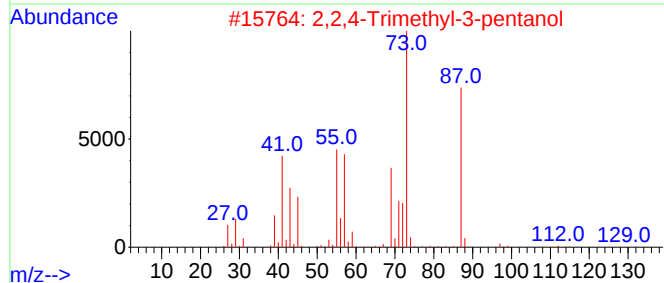
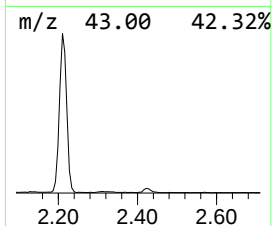
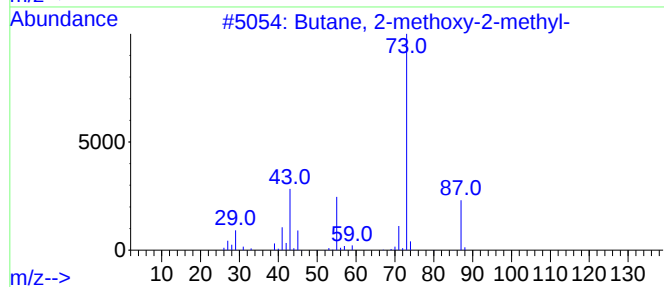
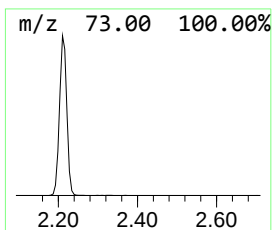
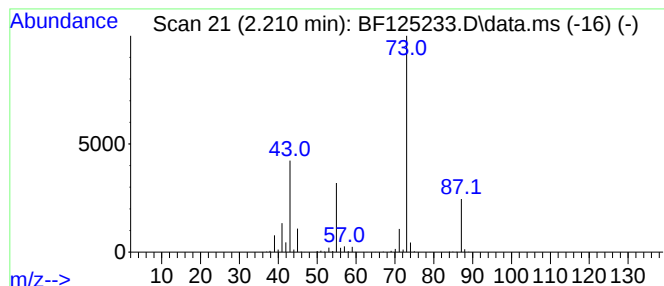
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc  | Area    | Relative to ISTD       | R.T.  |
|-------|----------|---------|------------------------|-------|
| 2.210 | 26.96 ng | 1621220 | 1,4-Dichlorobenzene-d4 | 6.916 |

| 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    |    |   | 3-Pentanol, 2,4-dimethyl-   | 116 | C7H16O  | 000600-36-2 | 37   |
| 4    |    |   | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 35   |
| 5    |    |   | 1,3-Dioxolane, 2-methyl-    | 88  | C4H8O2  | 000497-26-7 | 25   |



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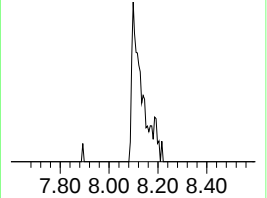
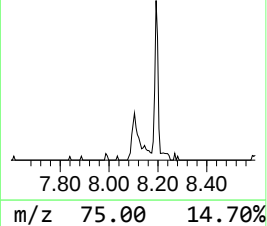
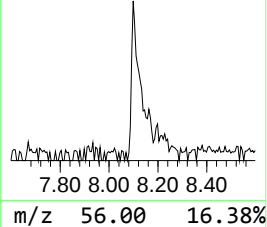
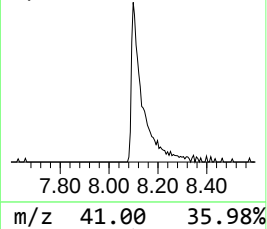
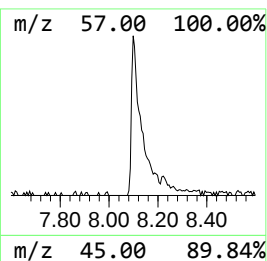
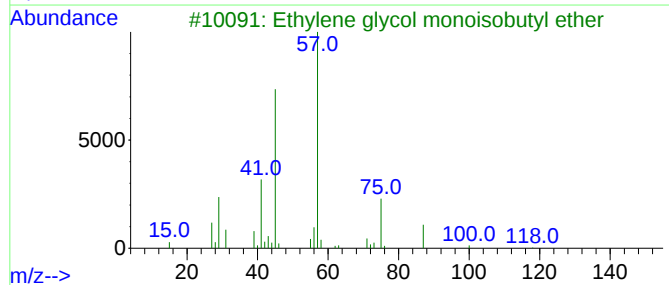
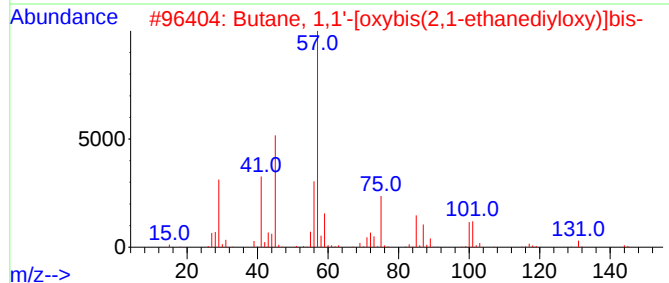
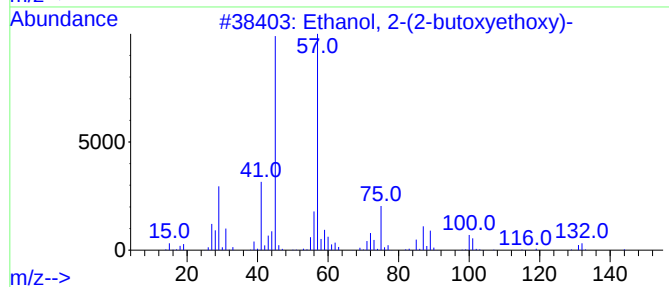
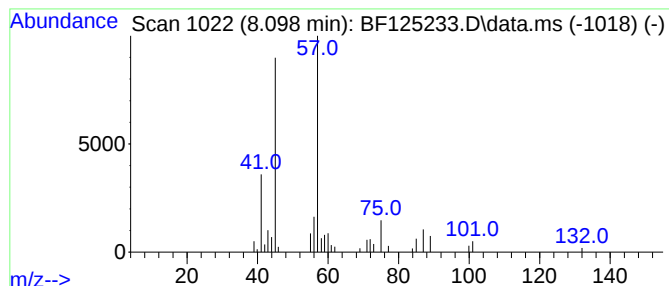
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Peak Number 2 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 3

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 8.098 | 2.17 ng | 166893 | Naphthalene-d8   | 8.192 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Ethanol, 2-(2-butoxyethoxy)-        | 162 | C8H18O3  | 000112-34-5 | 83   |
| 2    |    |   | Butane, 1,1'-[oxybis(2,1-ethaned... | 218 | C12H26O3 | 000112-73-2 | 72   |
| 3    |    |   | Ethylene glycol monoisobutyl ether  | 118 | C6H14O2  | 004439-24-1 | 64   |
| 4    |    |   | Ethanol, 1-(2-butoxyethoxy)-        | 162 | C8H18O3  | 054446-78-5 | 47   |
| 5    |    |   | 3,6,9,12-Tetraoxatetradeca-1,13-... | 202 | C10H18O4 | 000765-12-8 | 45   |



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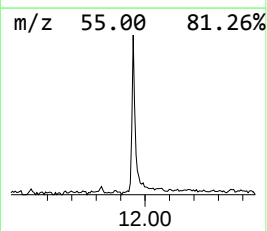
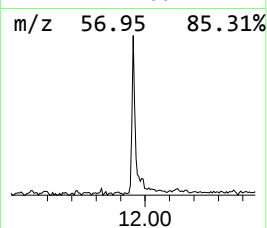
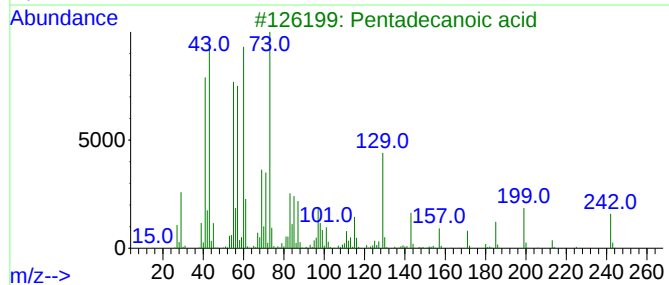
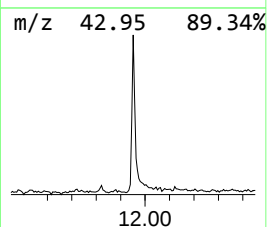
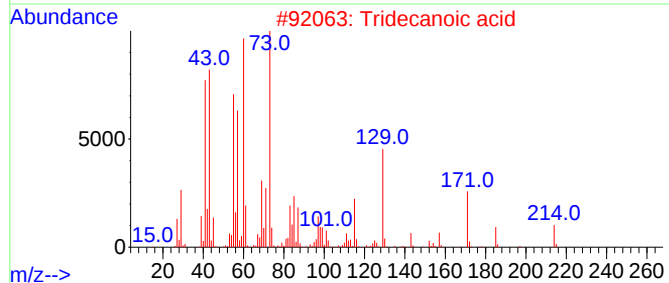
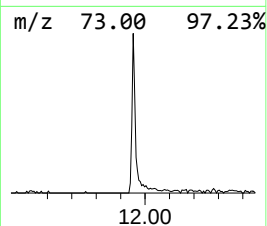
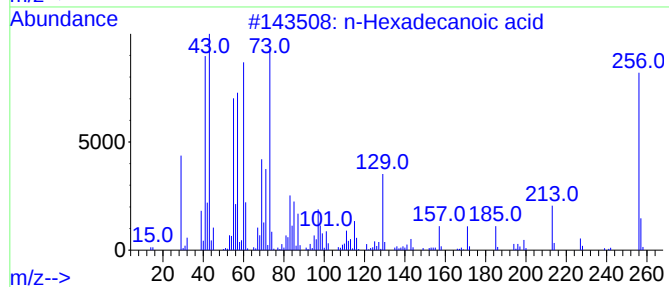
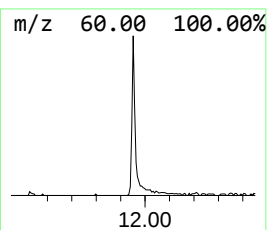
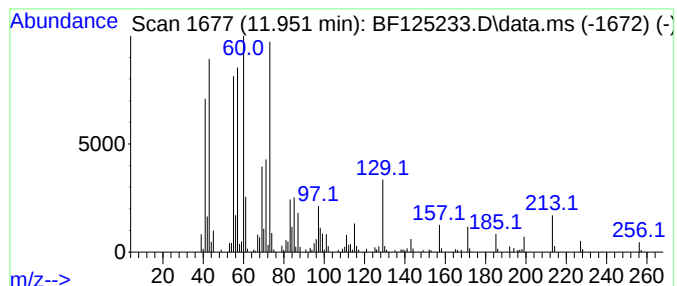
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Peak Number 3 n-Hexadecanoic acid Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.951 | 4.38 ng | 384492 | Phenanthrene-d10 | 11.433 |

| 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 | 90   |
| 4    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 70   |
| 5    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 70   |



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| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Butane, 2-metho... | 2.210  | 27.0    | ng    | 1621220  | 1                     | 6.916  | 1202710 | 20.0 |
| Ethanol, 2-(2-b... | 8.098  | 2.2     | ng    | 166893   | 2                     | 8.192  | 1535370 | 20.0 |
| n-Hexadecanoic ... | 11.951 | 4.4     | ng    | 384492   | 4                     | 11.433 | 1755140 | 20.0 |