

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF121523\  
 Data File : BF136596.D  
 Acq On : 15 Dec 2023 16:56  
 Operator : CG\JU  
 Sample : 05624-03  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 14TH-SOIL-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-BF120523.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136596.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         | 2.169       | 10            | 14          | 21           | rVB2     | 27665          | 39497         | 1.93%           | 0.286%        |
| 2         | 5.016       | 494           | 498         | 507          | rVB      | 116831         | 143843        | 7.04%           | 1.043%        |
| 3         | 5.428       | 564           | 568         | 571          | rBV      | 2139071        | 1824656       | 89.34%          | 13.225%       |
| 4         | 6.434       | 734           | 739         | 742          | rBV      | 1898606        | 1700962       | 83.28%          | 12.329%       |
| 5         | 6.787       | 795           | 799         | 802          | rBV      | 661391         | 511907        | 25.06%          | 3.710%        |
| 6         | 7.345       | 889           | 894         | 897          | rBV      | 1289842        | 1117524       | 54.72%          | 8.100%        |
| 7         | 8.063       | 1012          | 1016        | 1019         | rBV      | 815924         | 608759        | 29.81%          | 4.412%        |
| 8         | 9.139       | 1195          | 1199        | 1202         | rBV      | 2522195        | 2042432       | 100.00%         | 14.803%       |
| 9         | 9.816       | 1311          | 1314        | 1325         | rVB      | 702381         | 597493        | 29.25%          | 4.331%        |
| 10        | 10.610      | 1445          | 1449        | 1461         | rBV      | 1243851        | 1032183       | 50.54%          | 7.481%        |
| 11        | 11.310      | 1564          | 1568        | 1571         | rBV      | 634907         | 529307        | 25.92%          | 3.836%        |
| 12        | 11.845      | 1655          | 1659        | 1670         | rBV      | 179506         | 190992        | 9.35%           | 1.384%        |
| 13        | 12.527      | 1771          | 1775        | 1779         | rBV      | 20078          | 26359         | 1.29%           | 0.191%        |
| 14        | 12.633      | 1790          | 1793        | 1799         | rBV      | 63547          | 67725         | 3.32%           | 0.491%        |
| 15        | 12.904      | 1835          | 1839        | 1843         | rVB      | 2108979        | 1810646       | 88.65%          | 13.124%       |
| 16        | 13.815      | 1991          | 1994        | 1996         | rBV      | 34292          | 27481         | 1.35%           | 0.199%        |
| 17        | 13.857      | 1996          | 2001        | 2011         | rVB9     | 23803          | 75321         | 3.69%           | 0.546%        |
| 18        | 13.963      | 2014          | 2019        | 2022         | rBV      | 690979         | 632963        | 30.99%          | 4.588%        |
| 19        | 14.133      | 2045          | 2048        | 2051         | rVB      | 32579          | 27456         | 1.34%           | 0.199%        |
| 20        | 14.439      | 2097          | 2100        | 2104         | rBV      | 40566          | 43174         | 2.11%           | 0.313%        |
| 21        | 14.751      | 2150          | 2153        | 2156         | rVB      | 30404          | 27899         | 1.37%           | 0.202%        |
| 22        | 15.004      | 2192          | 2196        | 2199         | rBV2     | 24811          | 38401         | 1.88%           | 0.278%        |
| 23        | 15.098      | 2208          | 2212        | 2218         | rVB3     | 28967          | 40675         | 1.99%           | 0.295%        |
| 24        | 15.439      | 2265          | 2270        | 2275         | rBV      | 464729         | 572798        | 28.04%          | 4.152%        |
| 25        | 15.486      | 2275          | 2278        | 2282         | rVB2     | 21426          | 27049         | 1.32%           | 0.196%        |
| 26        | 15.939      | 2350          | 2355        | 2361         | rBV4     | 21831          | 39466         | 1.93%           | 0.286%        |

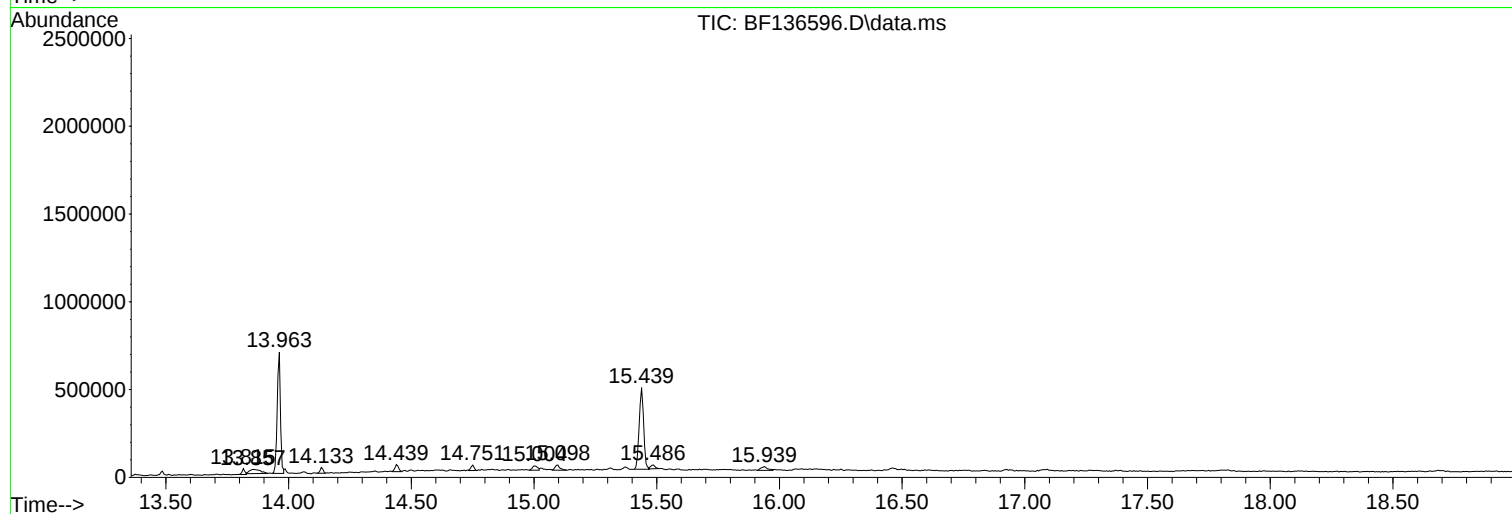
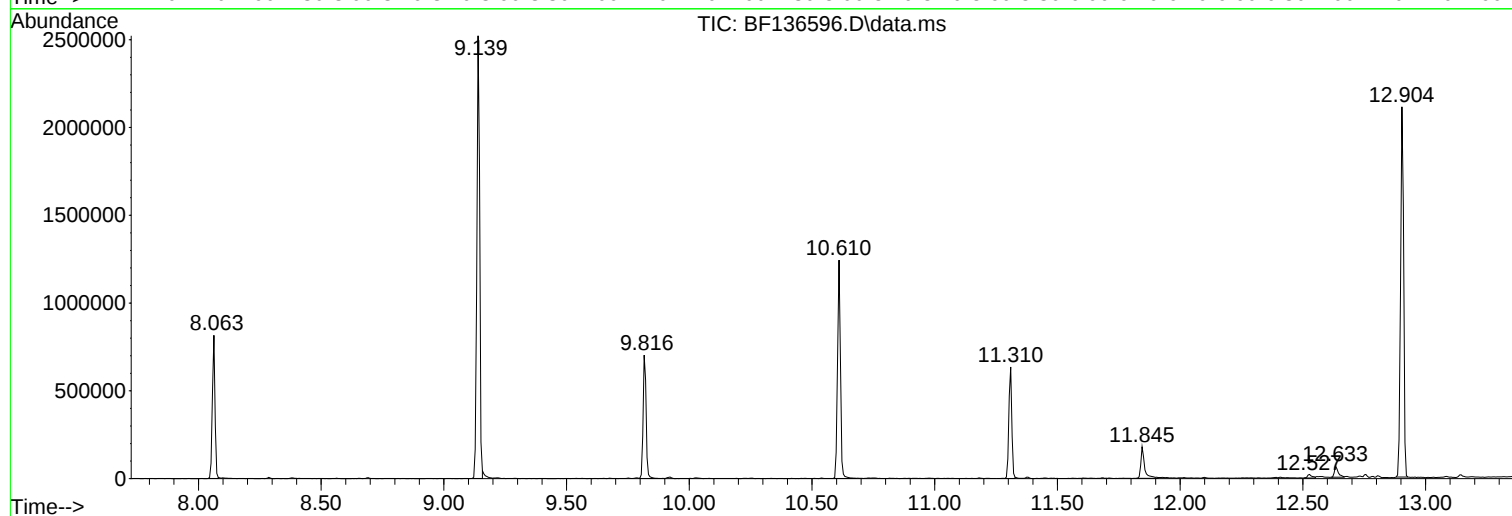
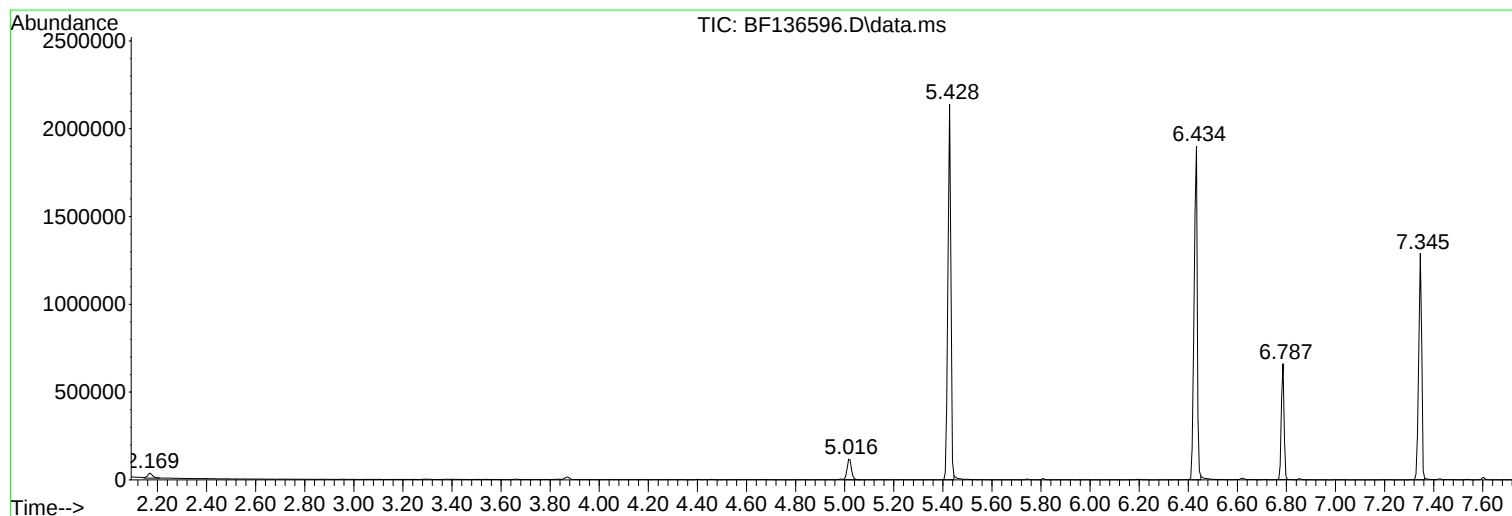
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

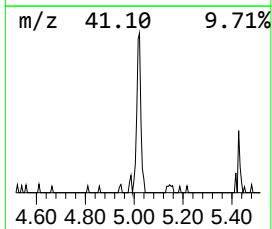
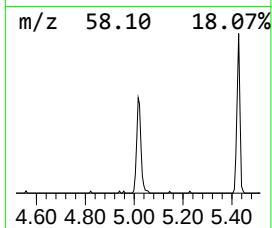
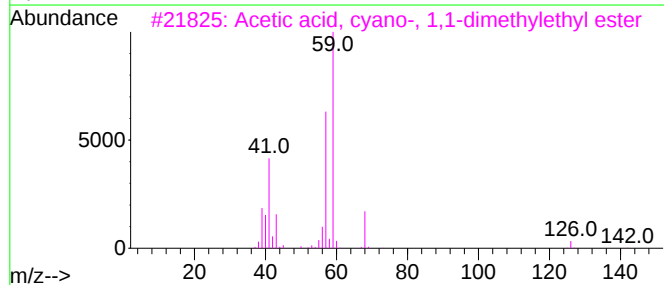
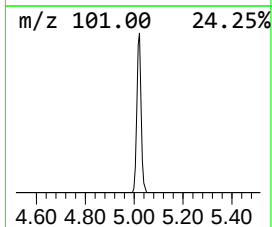
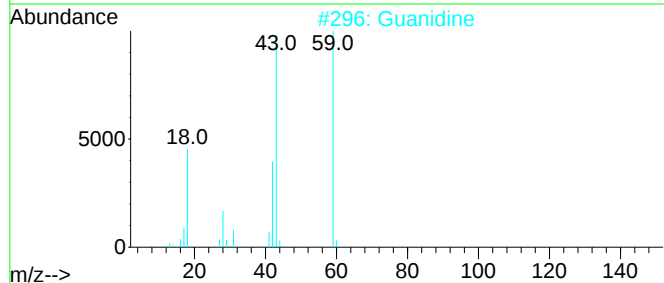
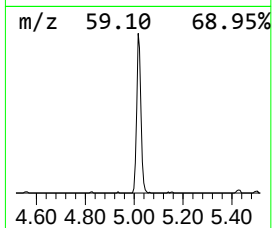
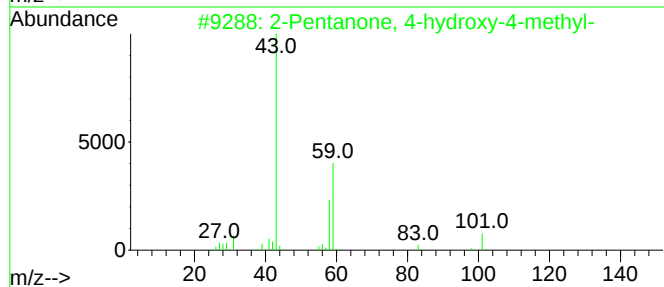
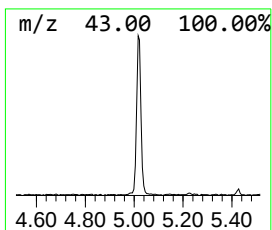
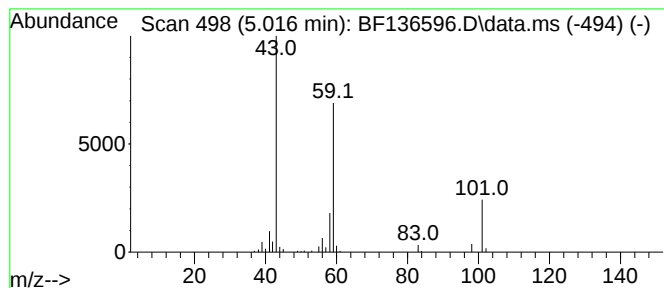
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

| R.T.  | EstConc | Area   | Relative to ISTD       | R.T.  |
|-------|---------|--------|------------------------|-------|
| 5.016 | 5.62 ng | 143843 | 1,4-Dichlorobenzene-d4 | 6.787 |

| Hit# | of                                  | 5   | Tentative ID | MW          | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|-------------|---------|------|------|
| 1    | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2      | 000123-42-2 | 56      |      |      |
| 2    | Guanidine                           | 59  | CH5N3        | 000113-00-8 | 43      |      |      |
| 3    | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2     | 001116-98-9 | 17      |      |      |
| 4    | Propane, 2-ethoxy-2-methyl-         | 102 | C6H14O       | 000637-92-3 | 17      |      |      |
| 5    | 1-Propen-2-ol, acetate              | 100 | C5H8O2       | 000108-22-5 | 10      |      |      |



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BNA\_F  
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14TH-SOIL-2

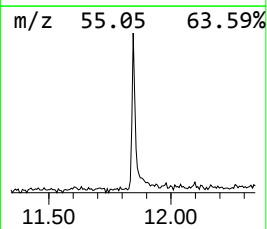
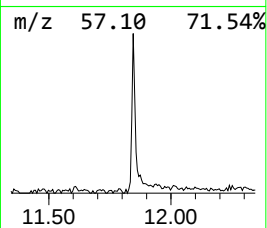
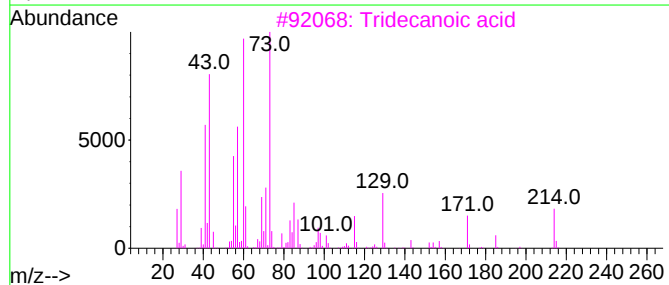
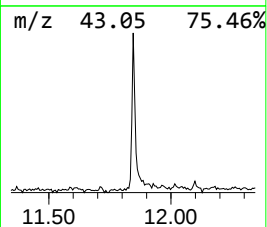
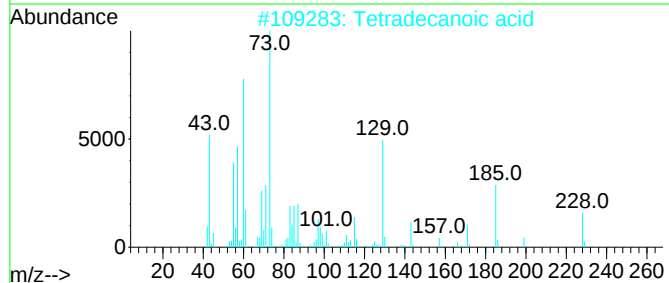
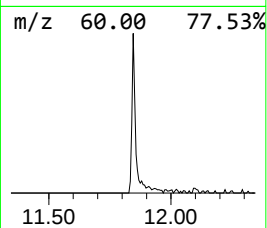
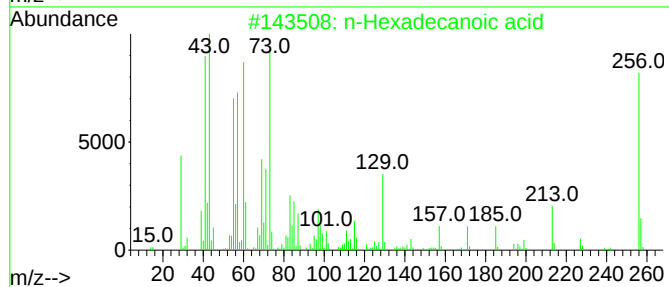
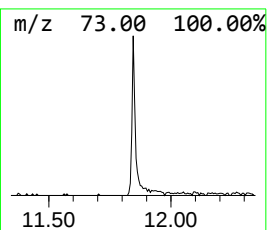
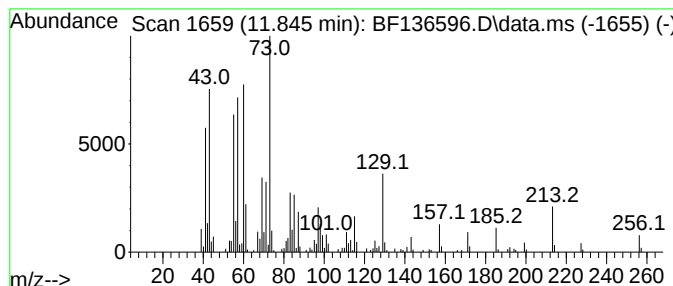
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF120523.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 2 n-Hexadecanoic acid Concentration Rank 1

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.845 | 7.22 ng | 190992 | Phenanthrene-d10 | 11.310 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99   |
| 2    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 89   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 89   |
| 4    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 87   |
| 5    |    |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 70   |



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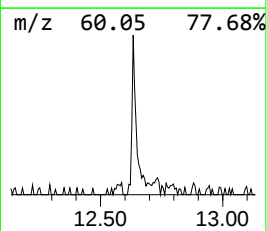
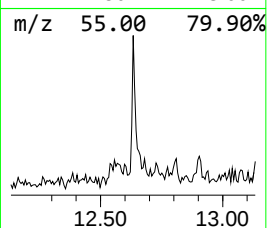
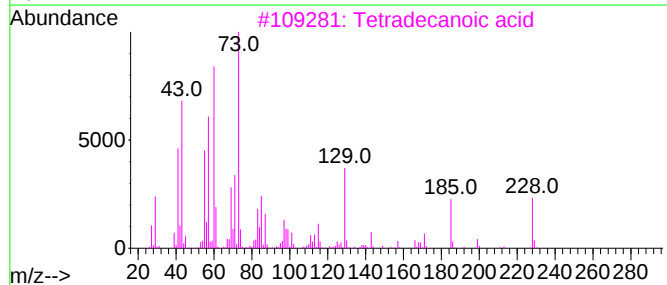
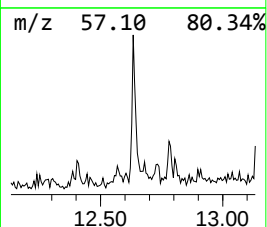
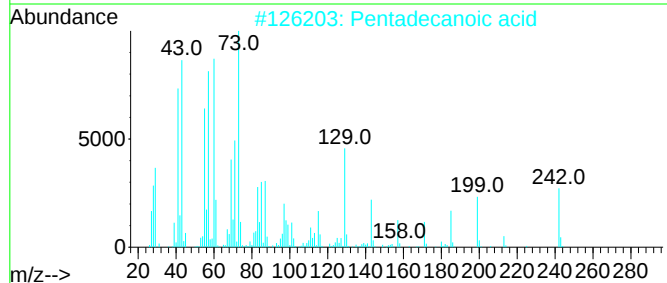
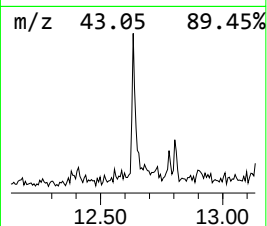
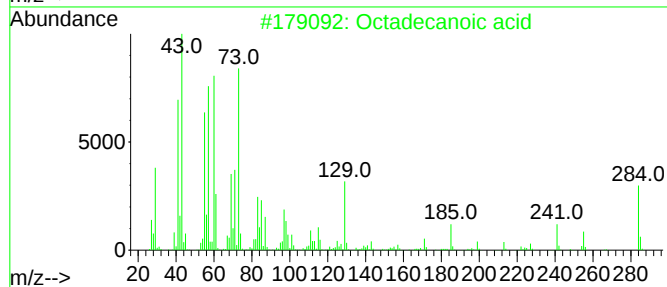
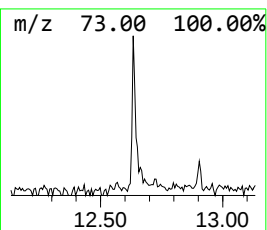
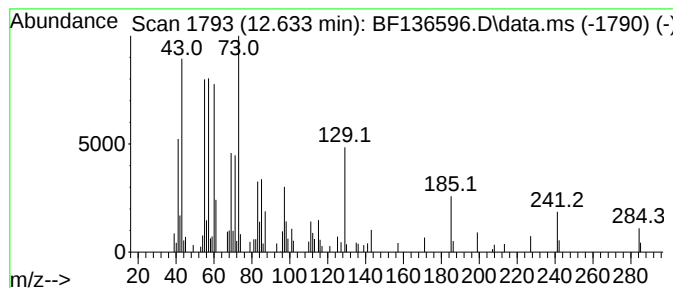
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 Octadecanoic acid Concentration Rank 3

| R.T.   | EstConc | Area  | Relative to ISTD | R.T.   |
|--------|---------|-------|------------------|--------|
| 12.633 | 2.56 ng | 67725 | Phenanthrene-d10 | 11.310 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm    | CAS#        | Qual |
|------|----|---|--------------------------------|-----|------------|-------------|------|
| 1    |    |   | Octadecanoic acid              | 284 | C18H36O2   | 000057-11-4 | 97   |
| 2    |    |   | Pentadecanoic acid             | 242 | C15H30O2   | 001002-84-2 | 86   |
| 3    |    |   | Tetradecanoic acid             | 228 | C14H28O2   | 000544-63-8 | 86   |
| 4    |    |   | Decanoic acid, silver(1+) salt | 278 | C10H19AgO2 | 013126-67-5 | 52   |
| 5    |    |   | n-Decanoic acid                | 172 | C10H20O2   | 000334-48-5 | 49   |



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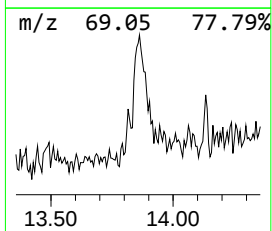
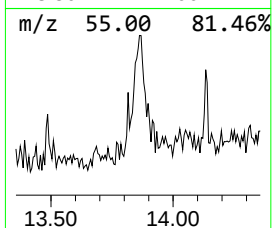
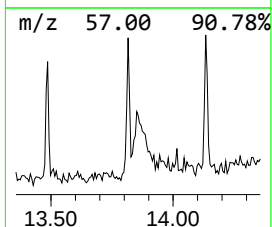
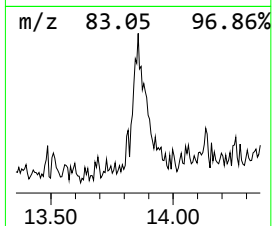
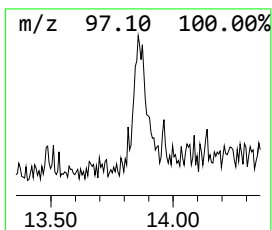
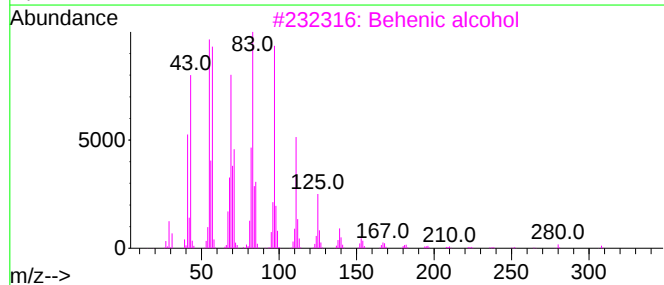
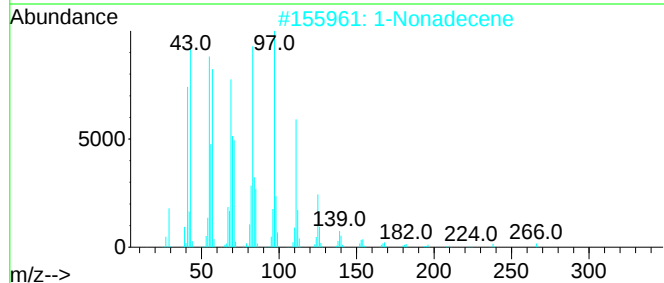
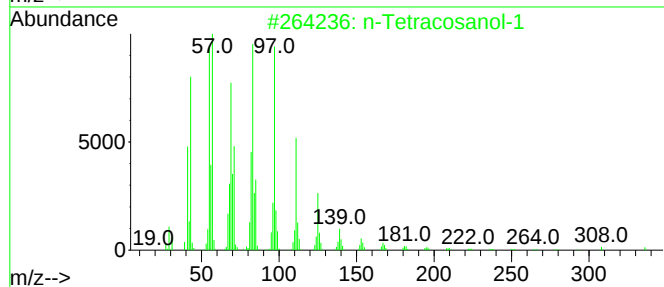
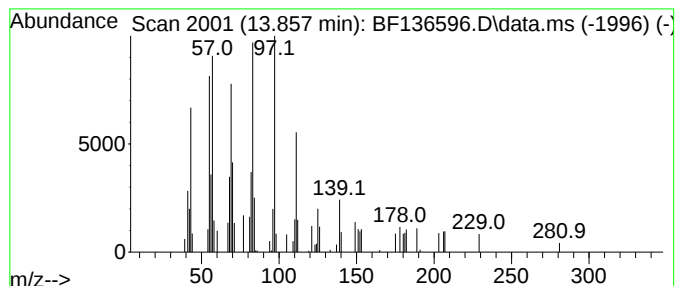
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TIC Library : C:\Database\NIST20.L  
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Peak Number 4 n-Tetracosanol-1 Concentration Rank 4

| R.T.      | EstConc                        | Area  | Relative to ISTD |            | R.T.        |      |
|-----------|--------------------------------|-------|------------------|------------|-------------|------|
| 13.857    | 2.38 ng                        | 75321 | Chrysene-d12     |            | 13.963      |      |
| Hit# of 5 | Tentative ID                   |       | MW               | MolForm    | CAS#        | Qual |
| 1         | n-Tetracosanol-1               |       | 354              | C24H50O    | 000506-51-4 | 90   |
| 2         | 1-Nonadecene                   |       | 266              | C19H38     | 018435-45-5 | 87   |
| 3         | Behenic alcohol                |       | 326              | C22H46O    | 000661-19-8 | 87   |
| 4         | Heptadecyl heptafluorobutyrate |       | 452              | C21H35F7O2 | 959085-66-6 | 87   |
| 5         | 1-Heptacosanol                 |       | 396              | C27H56O    | 002004-39-9 | 87   |



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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                    |        |         |       |          | #                     | RT     | Resp   | Conc |
| 2-Pentanone, 4-... | 5.016  | 5.6     | ng    | 143843   | 1                     | 6.787  | 511907 | 20.0 |
| n-Hexadecanoic ... | 11.845 | 7.2     | ng    | 190992   | 4                     | 11.310 | 529307 | 20.0 |
| Octadecanoic acid  | 12.633 | 2.6     | ng    | 67725    | 4                     | 11.310 | 529307 | 20.0 |
| n-Tetracosanol-1   | 13.857 | 2.4     | ng    | 75321    | 5                     | 13.963 | 632963 | 20.0 |