

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050423\  
 Data File : BF133240.D  
 Acq On : 04 May 2023 20:05  
 Operator : CG\JU  
 Sample : 02588-05  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 ZONE-C-3-6-05012023

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-BF042123.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133240.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         | 3.710       | 268           | 276         | 283          | rBV      | 274207         | 387795        | 10.89%          | 1.261%        |
| 2         | 4.916       | 477           | 481         | 489          | rVB      | 48471          | 63554         | 1.78%           | 0.207%        |
| 3         | 5.334       | 548           | 552         | 556          | rBV      | 3567068        | 3414131       | 95.88%          | 11.105%       |
| 4         | 6.363       | 722           | 727         | 730          | rBV      | 3652035        | 3447184       | 96.81%          | 11.212%       |
| 5         | 6.722       | 785           | 788         | 792          | rBV      | 1366855        | 1183865       | 33.25%          | 3.851%        |
| 6         | 7.133       | 855           | 858         | 862          | rBV      | 115440         | 98172         | 2.76%           | 0.319%        |
| 7         | 7.286       | 880           | 884         | 887          | rBV      | 2483922        | 2176349       | 61.12%          | 7.079%        |
| 8         | 8.010       | 1003          | 1007        | 1010         | rBV      | 2013825        | 1596207       | 44.83%          | 5.192%        |
| 9         | 9.086       | 1185          | 1190        | 1193         | rBV      | 4165922        | 3560743       | 100.00%         | 11.582%       |
| 10        | 9.757       | 1301          | 1304        | 1308         | rVB      | 2037615        | 1804253       | 50.67%          | 5.868%        |
| 11        | 10.398      | 1409          | 1413        | 1416         | rBV      | 164069         | 136827        | 3.84%           | 0.445%        |
| 12        | 10.469      | 1422          | 1425        | 1429         | rVB      | 301929         | 246850        | 6.93%           | 0.803%        |
| 13        | 10.545      | 1434          | 1438        | 1442         | rVV      | 2517691        | 2234536       | 62.75%          | 7.268%        |
| 14        | 10.592      | 1443          | 1446        | 1453         | rVV      | 345044         | 345897        | 9.71%           | 1.125%        |
| 15        | 10.686      | 1457          | 1462        | 1467         | rVB3     | 34199          | 58080         | 1.63%           | 0.189%        |
| 16        | 11.151      | 1537          | 1541        | 1545         | rVB3     | 24036          | 40450         | 1.14%           | 0.132%        |
| 17        | 11.239      | 1552          | 1556        | 1559         | rBV      | 2141236        | 1908027       | 53.59%          | 6.206%        |
| 18        | 11.263      | 1559          | 1560        | 1563         | rVV      | 306239         | 168679        | 4.74%           | 0.549%        |
| 19        | 11.316      | 1566          | 1569        | 1571         | rVB      | 60857          | 55233         | 1.55%           | 0.180%        |
| 20        | 11.774      | 1644          | 1647        | 1652         | rBV2     | 194692         | 232418        | 6.53%           | 0.756%        |
| 21        | 11.851      | 1657          | 1660        | 1662         | rBV      | 56138          | 48509         | 1.36%           | 0.158%        |
| 22        | 12.451      | 1758          | 1762        | 1765         | rBV      | 350678         | 307875        | 8.65%           | 1.001%        |
| 23        | 12.674      | 1795          | 1800        | 1803         | rVB      | 272849         | 279037        | 7.84%           | 0.908%        |
| 24        | 12.827      | 1822          | 1826        | 1829         | rBV      | 3934658        | 3438835       | 96.58%          | 11.185%       |
| 25        | 13.010      | 1854          | 1857        | 1861         | rVB      | 51949          | 55529         | 1.56%           | 0.181%        |
| 26        | 13.068      | 1864          | 1867        | 1870         | rVV2     | 64540          | 61475         | 1.73%           | 0.200%        |
| 27        | 13.739      | 1977          | 1981        | 1987         | rBV2     | 152646         | 243690        | 6.84%           | 0.793%        |
| 28        | 13.874      | 1999          | 2004        | 2007         | rBV      | 1335202        | 1252622       | 35.18%          | 4.074%        |
| 29        | 13.898      | 2007          | 2008        | 2011         | rVB      | 96606          | 49634         | 1.39%           | 0.161%        |
| 30        | 14.051      | 2032          | 2034        | 2038         | rBV2     | 45955          | 46021         | 1.29%           | 0.150%        |
| 31        | 14.327      | 2078          | 2081        | 2083         | rBV      | 53071          | 48404         | 1.36%           | 0.157%        |
| 32        | 14.357      | 2083          | 2086        | 2089         | rVV      | 68232          | 65412         | 1.84%           | 0.213%        |
| 33        | 14.409      | 2092          | 2095        | 2098         | rVB3     | 42309          | 47797         | 1.34%           | 0.155%        |
| 34        | 14.657      | 2134          | 2137        | 2141         | rVB2     | 44564          | 46989         | 1.32%           | 0.153%        |
| 35        | 14.727      | 2146          | 2149        | 2154         | rVB      | 55712          | 61783         | 1.74%           | 0.201%        |
| 36        | 14.886      | 2173          | 2176        | 2179         | rBV      | 77276          | 106104        | 2.98%           | 0.345%        |

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Sample : 02588-05  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-C-3-6-05012023

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-BF042123.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |        |         |        |        |
|----|--------|------|------|------|------|--------|---------|--------|--------|
| 37 | 14.980 | 2188 | 2192 | 2197 | rVB2 | 66911  | 82648   | 2.32%  | 0.269% |
| 38 | 15.174 | 2221 | 2225 | 2230 | rVB2 | 48867  | 60471   | 1.70%  | 0.197% |
| 39 | 15.227 | 2231 | 2234 | 2238 | rBV  | 61990  | 67463   | 1.89%  | 0.219% |
| 40 | 15.292 | 2240 | 2245 | 2249 | rBV  | 913612 | 1081075 | 30.36% | 3.516% |
| 41 | 15.745 | 2318 | 2322 | 2327 | rVB2 | 59632  | 84186   | 2.36%  | 0.274% |
| 42 | 16.656 | 2474 | 2477 | 2485 | rVB3 | 28075  | 49978   | 1.40%  | 0.163% |

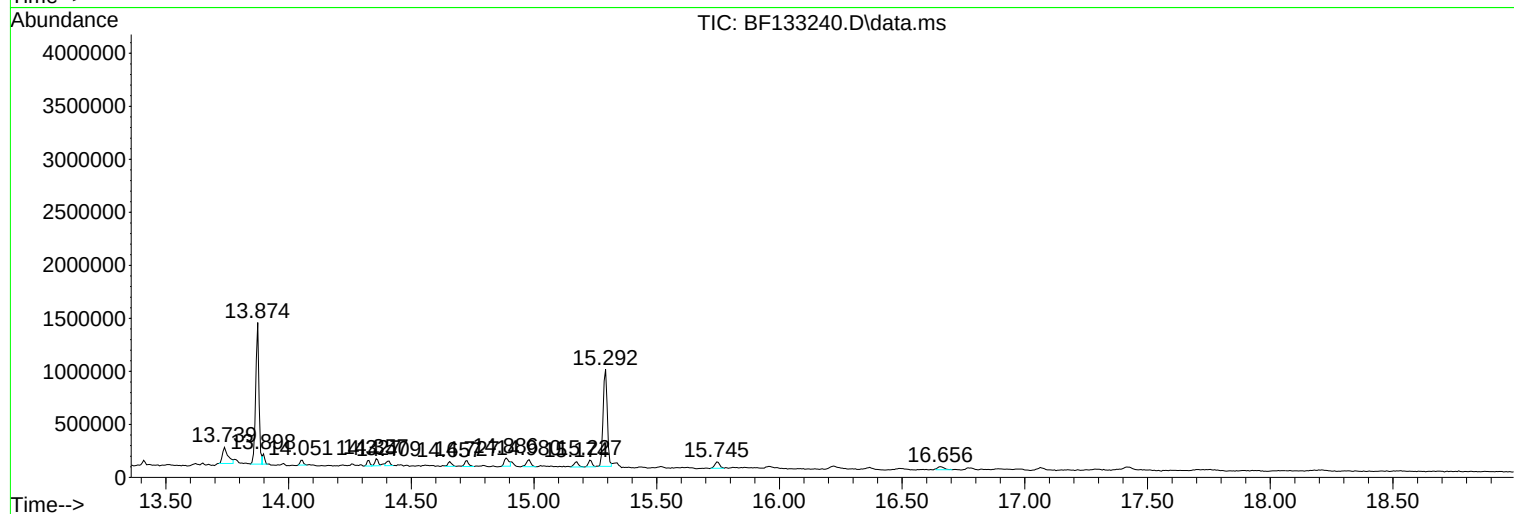
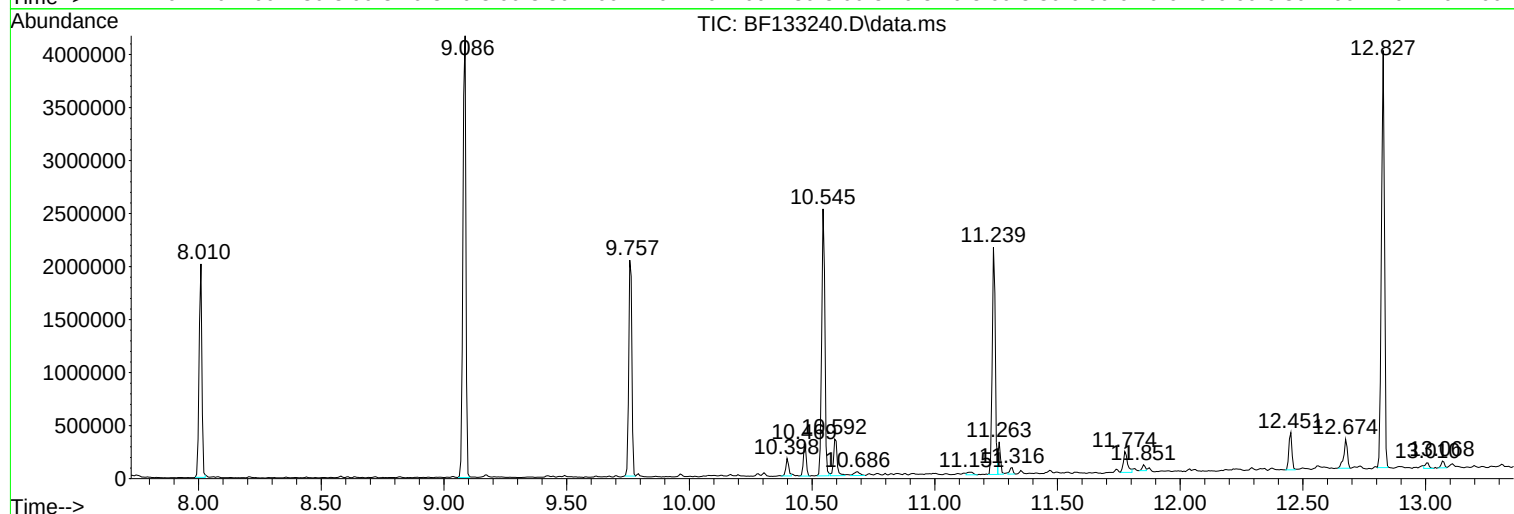
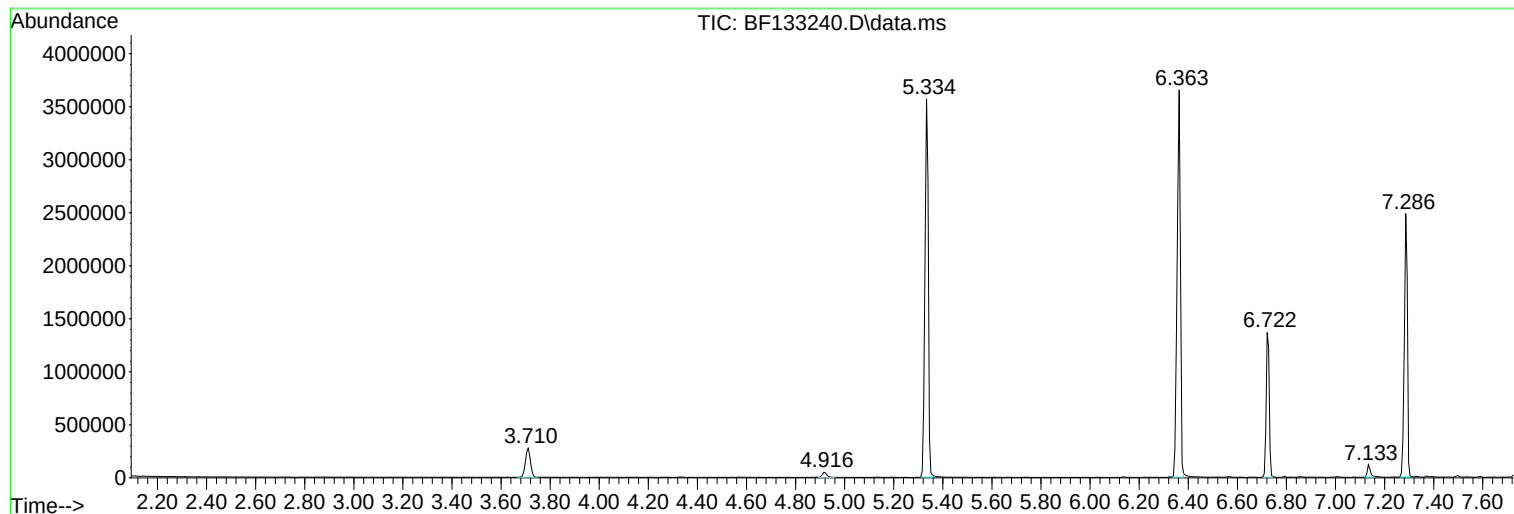
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Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-C-3-6-05012023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF050423\  
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Operator : CG\JU  
Sample : 02588-05  
Misc :  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-C-3-6-05012023

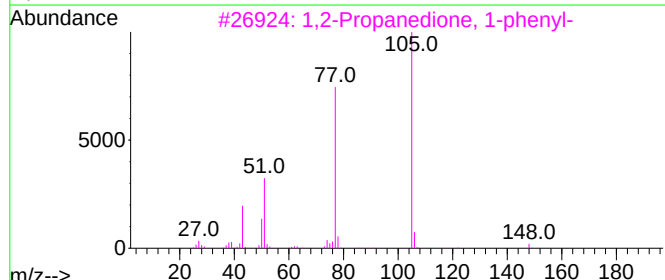
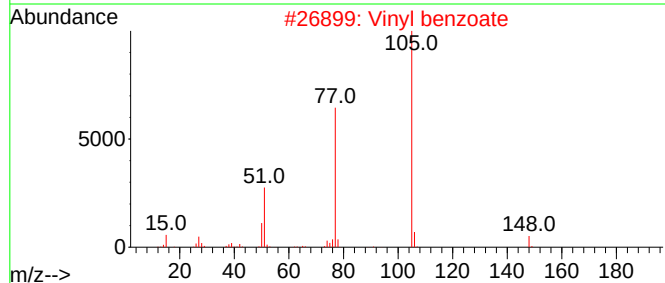
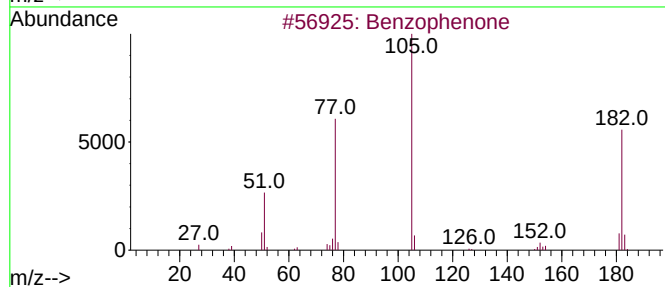
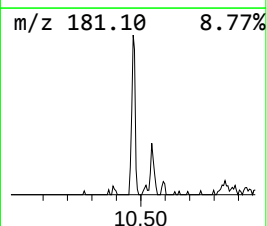
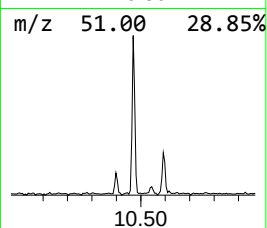
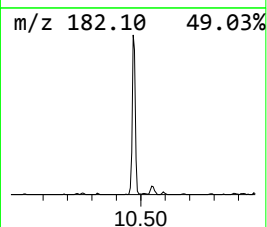
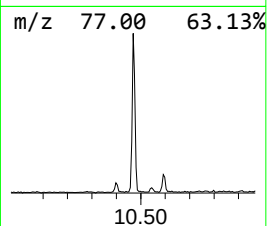
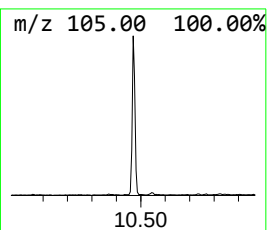
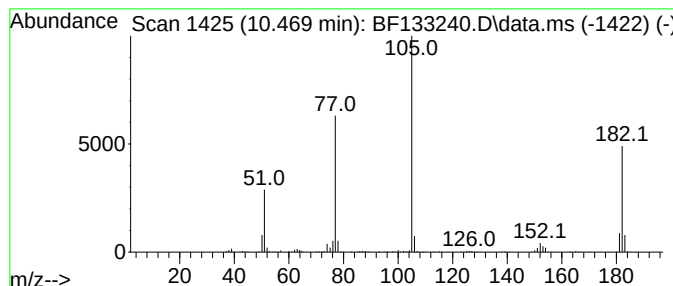
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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.  |
|--------|---------|--------|------------------|-------|
| 10.469 | 2.74 ng | 246850 | Acenaphthene-d10 | 9.757 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|------------|--------------|------|
| 1    |    |   | Benzophenone                        | 182 | C13H10O    | 000119-61-9  | 96   |
| 2    |    |   | Vinyl benzoate                      | 148 | C9H8O2     | 000769-78-8  | 47   |
| 3    |    |   | 1,2-Propanedione, 1-phenyl-         | 148 | C9H8O2     | 000579-07-7  | 47   |
| 4    |    |   | N-Methylbenzamide, N-heptafluoro... | 331 | C12H8F7NO2 | 1000446-97-2 | 47   |
| 5    |    |   | 2-(2-Oxo-2-phenyl-ethyl)-malonon... | 184 | C11H8N2O   | 1000296-76-9 | 47   |



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BNA\_F  
ClientSampleId :  
ZONE-C-3-6-05012023

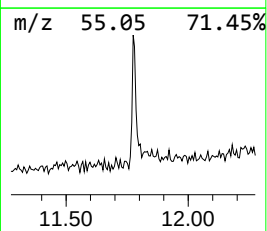
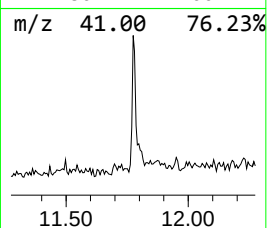
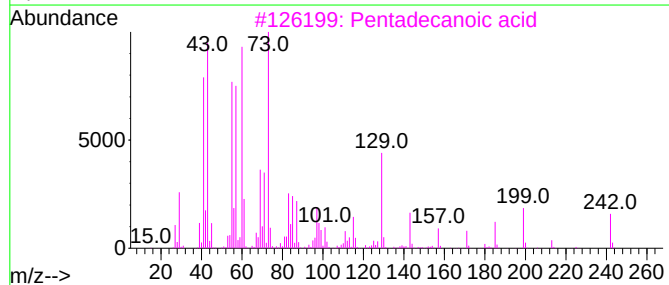
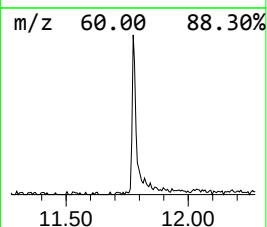
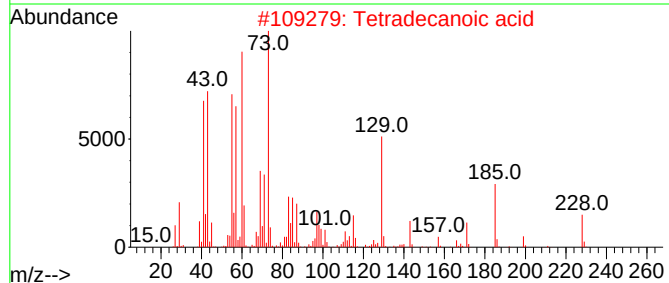
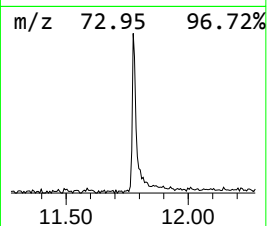
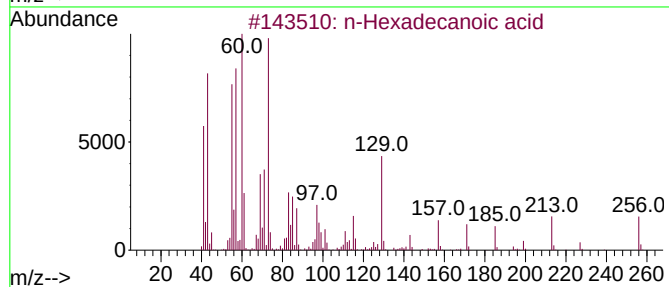
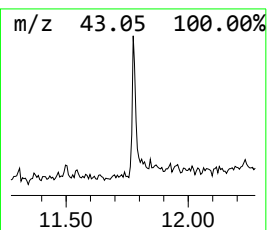
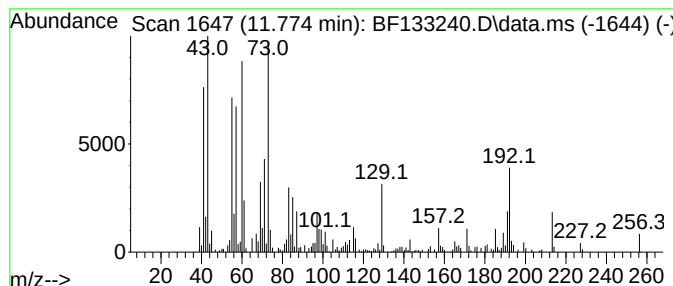
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 11.774 | 2.44 ng | 232418 | Phenanthrene-d10 | 11.239 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98   |
| 2    |    |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 86   |
| 3    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 70   |
| 4    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 64   |
| 5    |    |   | Dodecanoic acid     | 200 | C12H24O2 | 000143-07-7 | 53   |



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Instrument :  
BNA\_F  
ClientSampleId :  
ZONE-C-3-6-05012023

Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

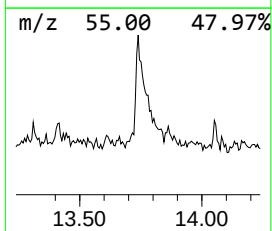
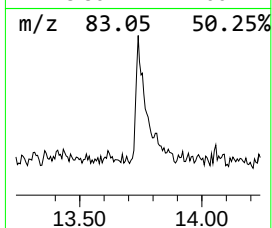
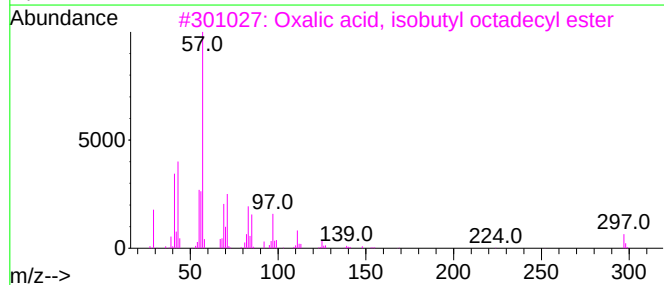
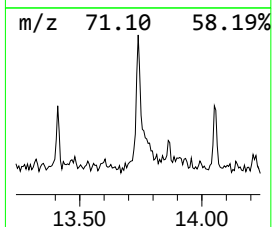
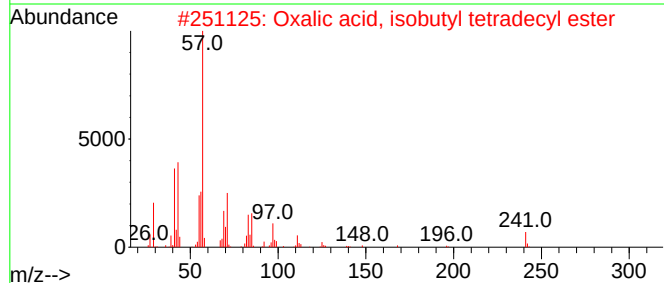
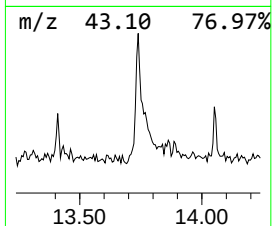
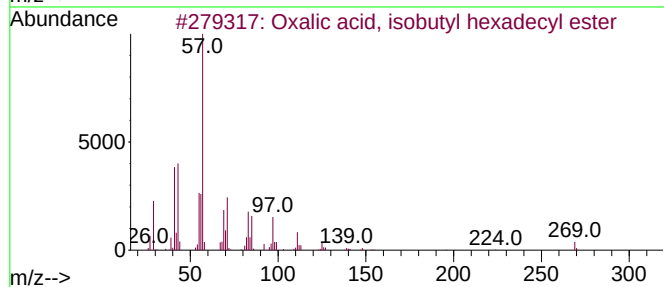
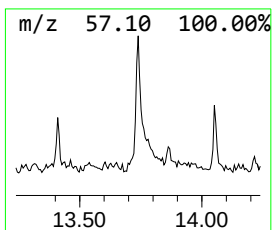
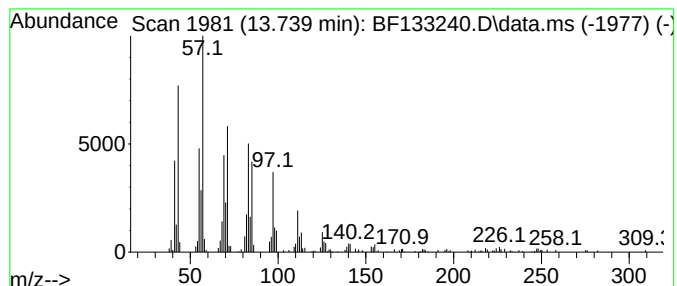
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 Oxalic acid, isobutyl hexadecyl... Concentration Rank 2

| R.T.   | EstConc | Area   | Relative to ISTD | R.T.   |
|--------|---------|--------|------------------|--------|
| 13.739 | 3.89 ng | 243690 | Chrysene-d12     | 13.874 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|---|-------------------------------------|-----|-------------|--------------|------|
| 1    |    |   | Oxalic acid, isobutyl hexadecyl ... | 370 | C22H42O4    | 1000309-38-1 | 91   |
| 2    |    |   | Oxalic acid, isobutyl tetradecyl... | 342 | C20H38O4    | 1000309-37-9 | 91   |
| 3    |    |   | Oxalic acid, isobutyl octadecyl ... | 398 | C24H46O4    | 1000309-38-3 | 91   |
| 4    |    |   | Pentadecafluorooctanoic acid, oc... | 666 | C26H37F15O2 | 1000406-04-8 | 90   |
| 5    |    |   | Ethanol, 2-(tetradecyloxy)-         | 258 | C16H34O2    | 002136-70-1  | 90   |



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Instrument :  
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Quant Method : Z:\svoasrv\HPCHEM1\BNA\_F\Methods\8270-BF042123.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 |
| Benzophenone       | 10.469 | 2.7     | ng    | 246850   | 3                     | 9.757  | 1804250 | 20.0 |
| n-Hexadecanoic ... | 11.774 | 2.4     | ng    | 232418   | 4                     | 11.239 | 1908030 | 20.0 |
| Oxalic acid, is... | 13.739 | 3.9     | ng    | 243690   | 5                     | 13.874 | 1252620 | 20.0 |