

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\  
 Data File : BM025013.D  
 Acq On : 22 Feb 2020 06:57  
 Operator : CG/JU  
 Sample : L1507-11  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBD09

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
 Title : SVOA CALIBRATION

Signal : TIC

| 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         | 2.946       | 7             | 10          | 14           | rVB      | 51758          | 56829         | 0.57%           | 0.067%        |
| 2         | 3.863       | 162           | 166         | 170          | rBV3     | 14685          | 19632         | 0.20%           | 0.023%        |
| 3         | 6.540       | 615           | 621         | 639          | rBV      | 928432         | 1686561       | 16.83%          | 2.002%        |
| 4         | 6.693       | 641           | 647         | 660          | rVV      | 858597         | 1435679       | 14.33%          | 1.704%        |
| 5         | 6.875       | 672           | 678         | 690          | rBV      | 1046373        | 1857822       | 18.54%          | 2.205%        |
| 6         | 7.340       | 750           | 757         | 768          | rBV      | 677899         | 1189274       | 11.87%          | 1.411%        |
| 7         | 8.057       | 872           | 879         | 898          | rBV      | 1315841        | 2283147       | 22.78%          | 2.710%        |
| 8         | 8.475       | 943           | 950         | 968          | rBV      | 1080537        | 1834263       | 18.30%          | 2.177%        |
| 9         | 8.969       | 1028          | 1034        | 1039         | rBV3     | 17521          | 25419         | 0.25%           | 0.030%        |
| 10        | 9.192       | 1065          | 1072        | 1083         | rBV      | 930564         | 1577882       | 15.74%          | 1.873%        |
| 11        | 9.728       | 1156          | 1163        | 1177         | rBV      | 1519628        | 2627023       | 26.21%          | 3.118%        |
| 12        | 10.092      | 1218          | 1225        | 1238         | rVB      | 1071124        | 1767951       | 17.64%          | 2.098%        |
| 13        | 10.234      | 1242          | 1249        | 1279         | rVV      | 1139519        | 2304940       | 23.00%          | 2.735%        |
| 14        | 11.698      | 1492          | 1498        | 1509         | rBV2     | 17481          | 39699         | 0.40%           | 0.047%        |
| 15        | 12.922      | 1700          | 1706        | 1709         | rBV5     | 6662           | 11380         | 0.11%           | 0.014%        |
| 16        | 13.422      | 1783          | 1791        | 1796         | rBV      | 3067205        | 4207139       | 41.98%          | 4.993%        |
| 17        | 13.469      | 1796          | 1799        | 1808         | rVB      | 160606         | 239128        | 2.39%           | 0.284%        |
| 18        | 13.680      | 1828          | 1835        | 1846         | rBV      | 3494490        | 5191536       | 51.80%          | 6.161%        |
| 19        | 13.992      | 1882          | 1888        | 1899         | rBV      | 1814618        | 2636692       | 26.31%          | 3.129%        |
| 20        | 14.227      | 1921          | 1928        | 1961         | rBV      | 775912         | 1664325       | 16.61%          | 1.975%        |
| 21        | 14.998      | 2053          | 2059        | 2074         | rBV      | 4803939        | 6659165       | 66.45%          | 7.903%        |
| 22        | 15.133      | 2076          | 2082        | 2096         | rVV      | 1280704        | 1835111       | 18.31%          | 2.178%        |
| 23        | 15.239      | 2096          | 2100        | 2106         | rVB2     | 57440          | 85885         | 0.86%           | 0.102%        |
| 24        | 15.416      | 2126          | 2130        | 2136         | rBV5     | 13828          | 23959         | 0.24%           | 0.028%        |
| 25        | 15.786      | 2188          | 2193        | 2198         | rBV4     | 17852          | 31703         | 0.32%           | 0.038%        |
| 26        | 16.539      | 2317          | 2321        | 2324         | rBV2     | 7620           | 11104         | 0.11%           | 0.013%        |
| 27        | 16.751      | 2348          | 2357        | 2367         | rBV      | 2430907        | 3380691       | 33.73%          | 4.012%        |
| 28        | 16.851      | 2367          | 2374        | 2394         | rVV      | 5037779        | 7275120       | 72.59%          | 8.634%        |
| 29        | 17.186      | 2427          | 2431        | 2435         | rVB6     | 7521           | 11961         | 0.12%           | 0.014%        |
| 30        | 17.580      | 2492          | 2498        | 2501         | rBV6     | 8810           | 14670         | 0.15%           | 0.017%        |
| 31        | 17.633      | 2504          | 2507        | 2512         | rBV4     | 28412          | 39932         | 0.40%           | 0.047%        |
| 32        | 17.698      | 2512          | 2518        | 2532         | rBV2     | 250946         | 454470        | 4.53%           | 0.539%        |
| 33        | 17.980      | 2561          | 2566        | 2568         | rBV4     | 10314          | 14390         | 0.14%           | 0.017%        |
| 34        | 18.568      | 2662          | 2666        | 2671         | rBV7     | 15487          | 23055         | 0.23%           | 0.027%        |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\  
 Data File : BM025013.D  
 Acq On : 22 Feb 2020 06:57  
 Operator : CG/JU  
 Sample : L1507-11  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 DBD09

## Integration Parameters: LSCINT.P

Integrator: RTE  
 Smoothing : OFF  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |          |         |         |
|----|--------|------|------|------|------|---------|----------|---------|---------|
| 35 | 18.727 | 2687 | 2693 | 2697 | rBV9 | 10562   | 17793    | 0.18%   | 0.021%  |
| 36 | 18.792 | 2699 | 2704 | 2708 | rBV  | 57516   | 75596    | 0.75%   | 0.090%  |
| 37 | 18.868 | 2714 | 2717 | 2721 | rBV6 | 15791   | 24568    | 0.25%   | 0.029%  |
| 38 | 18.992 | 2734 | 2738 | 2743 | rBV3 | 61031   | 99463    | 0.99%   | 0.118%  |
| 39 | 19.039 | 2743 | 2746 | 2752 | rVB  | 56666   | 80964    | 0.81%   | 0.096%  |
| 40 | 19.156 | 2760 | 2766 | 2777 | rBV  | 7054553 | 9256867  | 92.36%  | 10.986% |
| 41 | 19.733 | 2861 | 2864 | 2867 | rBV4 | 19670   | 23799    | 0.24%   | 0.028%  |
| 42 | 20.727 | 3028 | 3033 | 3039 | rBV  | 526586  | 722659   | 7.21%   | 0.858%  |
| 43 | 20.962 | 3068 | 3073 | 3084 | rBV  | 3155021 | 4234004  | 42.25%  | 5.025%  |
| 44 | 21.174 | 3107 | 3109 | 3112 | rVB2 | 51229   | 38993    | 0.39%   | 0.046%  |
| 45 | 21.592 | 3177 | 3180 | 3185 | rBV3 | 120732  | 163819   | 1.63%   | 0.194%  |
| 46 | 22.486 | 3329 | 3332 | 3336 | rBV  | 195786  | 238280   | 2.38%   | 0.283%  |
| 47 | 22.915 | 3398 | 3405 | 3416 | rBV  | 6081134 | 10022064 | 100.00% | 11.894% |
| 48 | 23.039 | 3421 | 3426 | 3442 | rVB  | 2549713 | 4639041  | 46.29%  | 5.506%  |
| 49 | 23.586 | 3515 | 3519 | 3525 | rVB  | 181043  | 275906   | 2.75%   | 0.327%  |
| 50 | 25.274 | 3799 | 3806 | 3817 | rVB3 | 711944  | 1829367  | 18.25%  | 2.171%  |

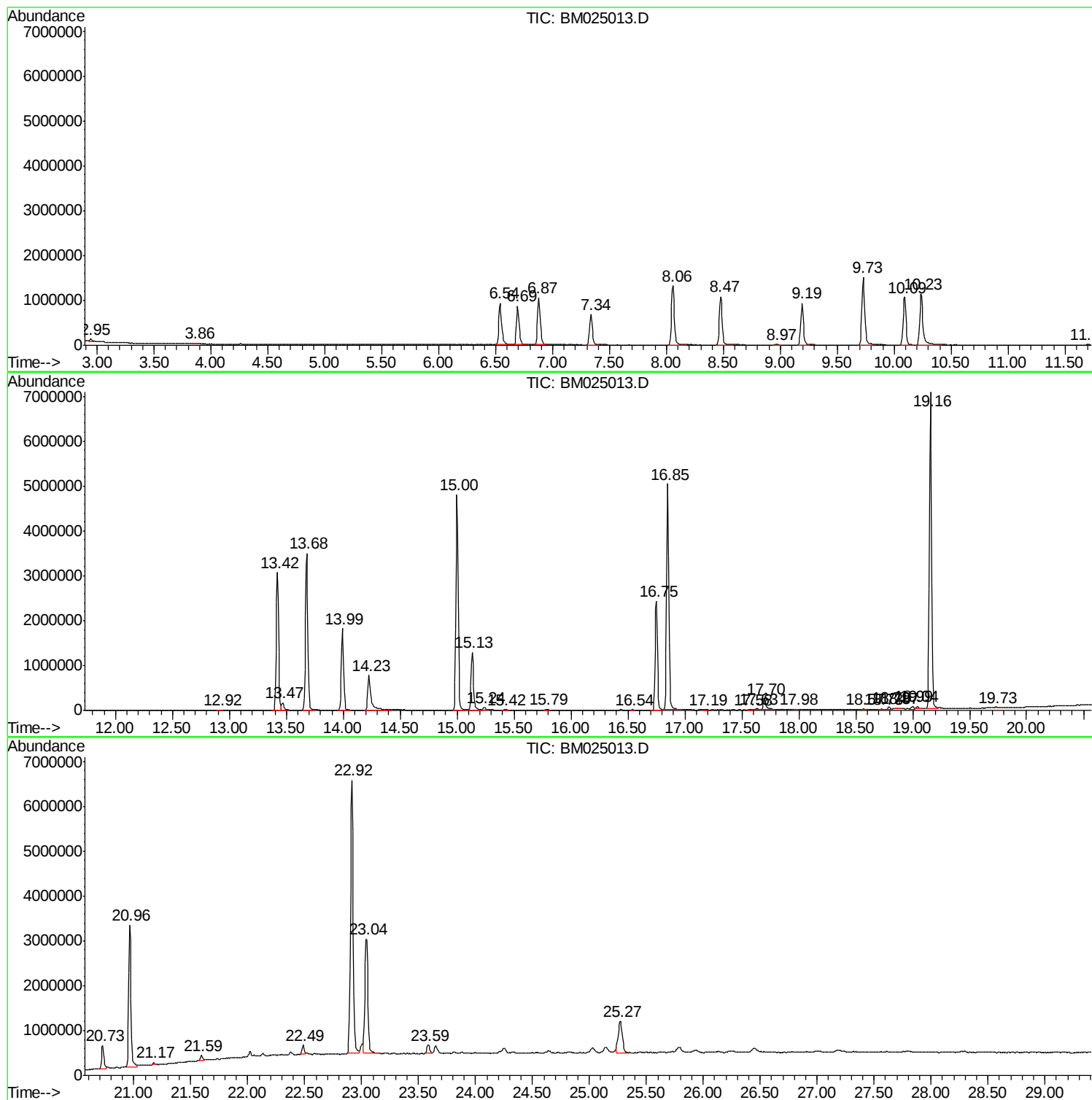
Sum of corrected areas: 84260720

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\  
Data File : BM025013.D  
Acq On : 22 Feb 2020 06:57  
Operator : CG/JU  
Sample : L1507-11  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DBD09

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\  
Data File : BM025013.D  
Acq On : 22 Feb 2020 06:57  
Operator : CG/JU  
Sample : L1507-11  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

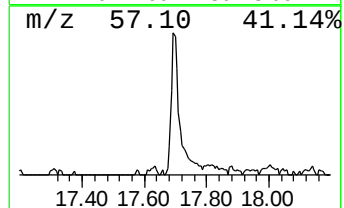
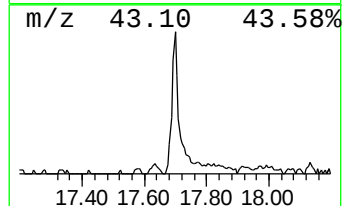
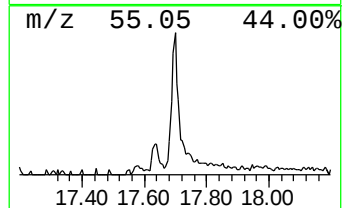
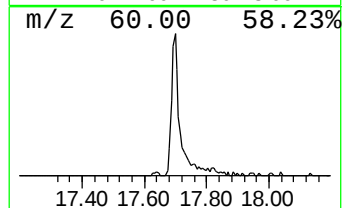
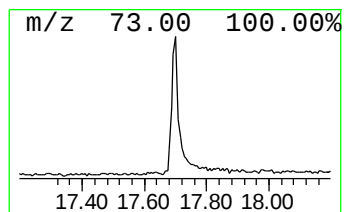
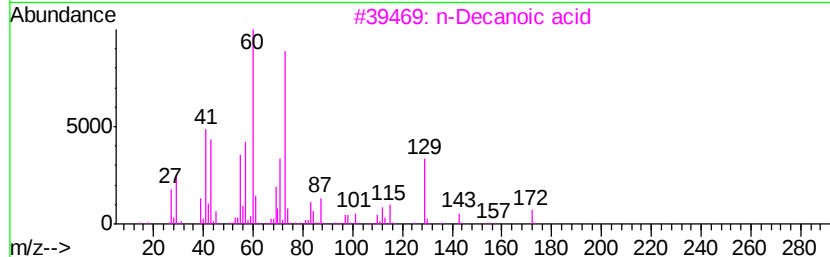
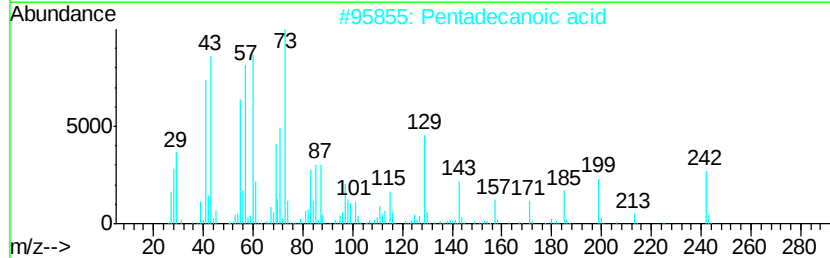
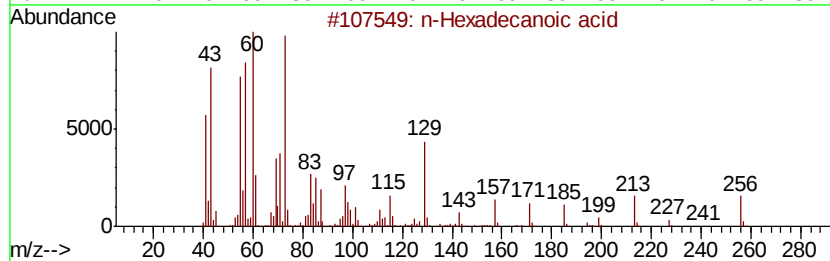
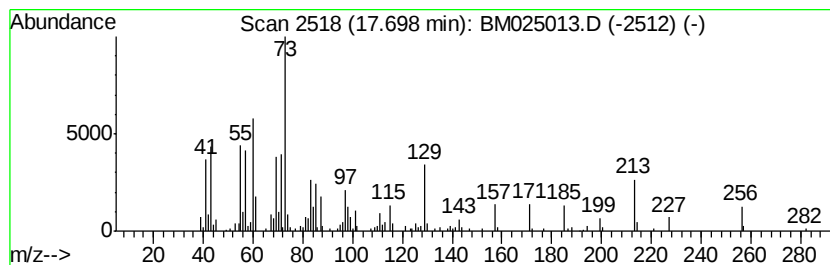
Instrument :  
BNA\_M  
ClientSampleId :  
DBD09

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 n-Hexadecanoic acid Concentration Rank 3

| R.T.    | EstConc    | Area                | Relative to ISTD | R.T.     |             |      |
|---------|------------|---------------------|------------------|----------|-------------|------|
| 17.70   | 2.69 ng/ul | 454470              | Phenanthrene-d10 | 16.75    |             |      |
| Hit# of | 5          | Tentative ID        | MW               | MolForm  | CAS#        | Qual |
| 1       |            | n-Hexadecanoic acid | 256              | C16H32O2 | 000057-10-3 | 83   |
| 2       |            | Pentadecanoic acid  | 242              | C15H30O2 | 001002-84-2 | 53   |
| 3       |            | n-Decanoic acid     | 172              | C10H20O2 | 000334-48-5 | 47   |
| 4       |            | Pentadecanoic acid  | 242              | C15H30O2 | 001002-84-2 | 46   |
| 5       |            | Tridecanoic acid    | 214              | C13H26O2 | 000638-53-9 | 43   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\  
Data File : BM025013.D  
Acq On : 22 Feb 2020 06:57  
Operator : CG/JU  
Sample : L1507-11  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DBD09

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
Quant Title : SVOA CALIBRATION

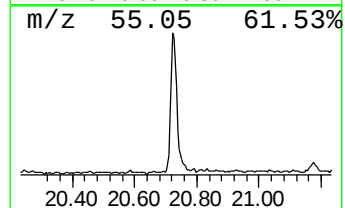
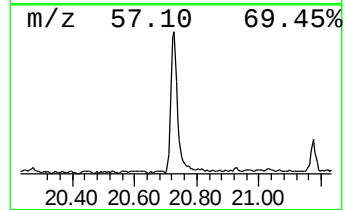
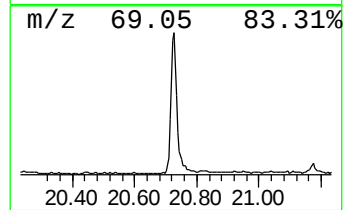
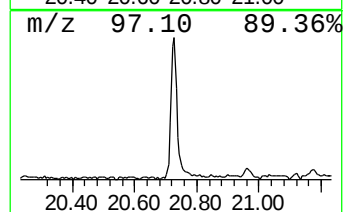
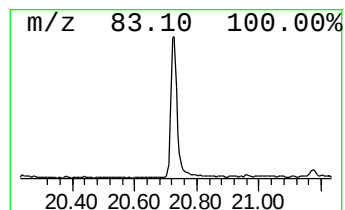
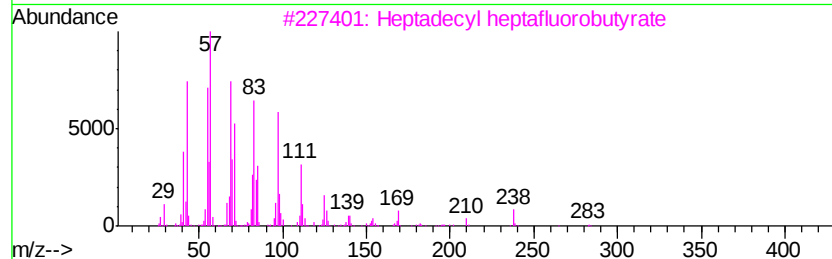
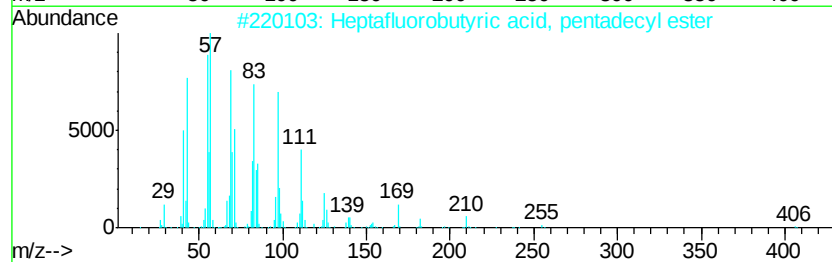
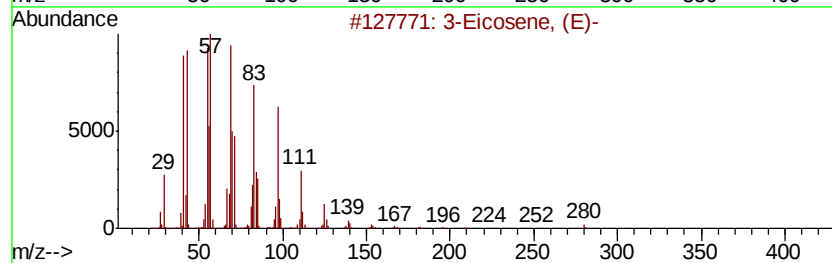
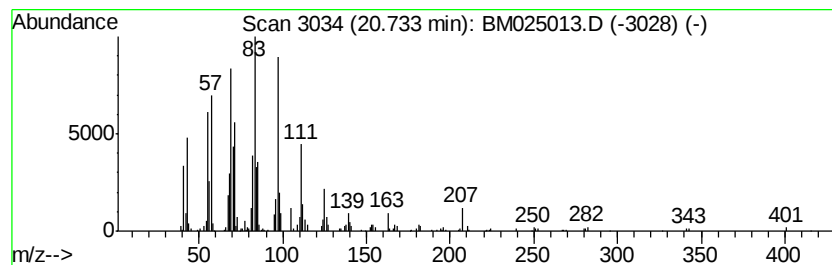
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.73 | 3.41 ng/ul | 722659 | Chrysene-d12     | 20.96 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|------------|-------------|------|
| 1    |    |   | 3-Eicosene, (E)-                    | 280 | C20H40     | 074685-33-9 | 91   |
| 2    |    |   | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 91   |
| 3    |    |   | Heptadecyl heptafluorobutvrate      | 452 | C21H35F7O2 | 959085-66-6 | 87   |
| 4    |    |   | 3-Octadecene, (E)-                  | 252 | C18H36     | 007206-19-1 | 87   |
| 5    |    |   | 1-Docosene                          | 308 | C22H44     | 001599-67-3 | 74   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022120\  
Data File : BM025013.D  
Acq On : 22 Feb 2020 06:57  
Operator : CG/JU  
Sample : L1507-11  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DBD09

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
Quant Title : SVOA CALIBRATION

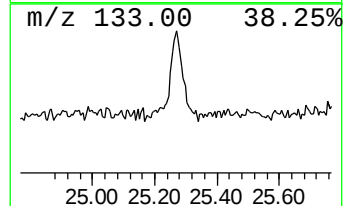
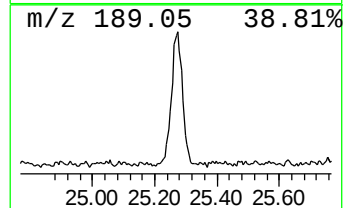
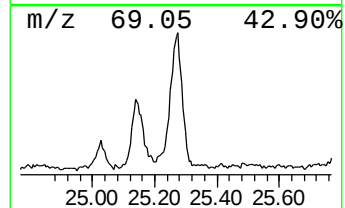
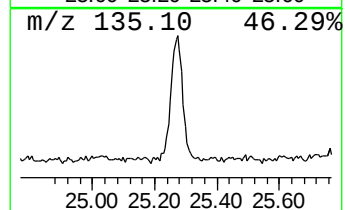
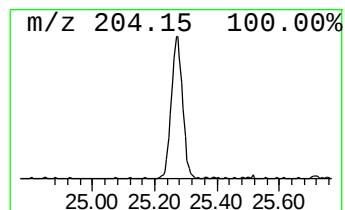
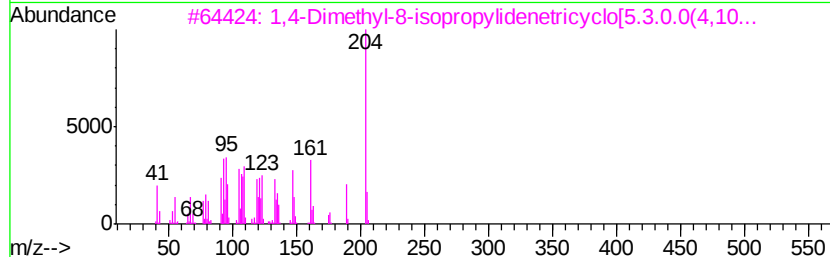
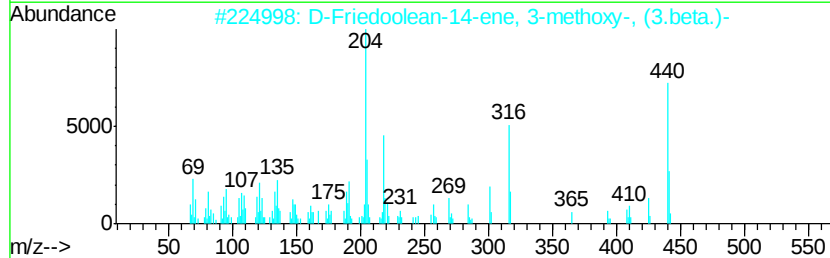
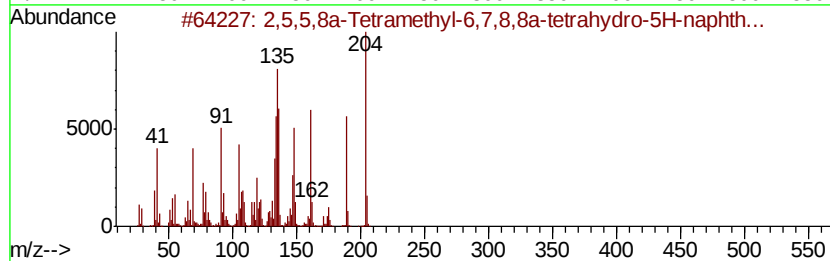
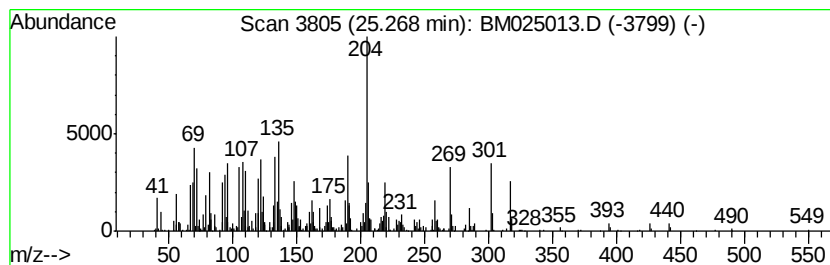
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown-01 Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 25.27 | 7.89 ng/ul | 1829370 | Perylene-d12     | 23.04 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 2,5,5,8a-Tetramethyl-6,7,8,8a-te... | 204 | C14H200   | 124957-09-1  | 47   |
| 2    |    | D-Friedoolean-14-ene, 3-methoxy-... | 440 | C31H52O   | 014021-23-9  | 46   |
| 3    |    | 1,4-Dimethyl-8-isopropylidenetri... | 204 | C15H24    | 1000140-07-7 | 38   |
| 4    |    | 4-Phosphacyclopentene, 4-mesityl-   | 204 | C13H17P   | 214605-01-3  | 38   |
| 5    |    | 1-Ethyl-3-phenyl-4-amino-4,5(1H)... | 204 | C10H12N4O | 073316-60-6  | 27   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM022120\  
Data File : BM025013.D  
Acq On : 22 Feb 2020 06:57  
Operator : CG/JU  
Sample : L1507-11  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
DBD09

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM020620MA.M  
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| n-Hexadecanoic acid  | 17.70 | 2.7     | ng/ul | 454470   | 4                     | 16.75 | 3380690 | 20.0 |
| (DEL) Alkane: Str... | 20.73 | 3.4     | ng/ul | 722659   | 5                     | 20.96 | 4234000 | 20.0 |
| unknown-01           | 25.27 | 7.9     | ng/ul | 1829370  | 6                     | 23.04 | 4639040 | 20.0 |