

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121919\  
 Data File : BM024196.D  
 Acq On : 20 Dec 2019 10:05  
 Operator : JU  
 Sample : K6253-02  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0C09

## 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-BM121719MA.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         | 2.999       | 16            | 19          | 26           | rVB      | 43881          | 63588         | 0.96%           | 0.093%        |
| 2         | 3.693       | 134           | 137         | 141          | rBV3     | 10929          | 14954         | 0.23%           | 0.022%        |
| 3         | 4.887       | 337           | 340         | 346          | rBV7     | 3725           | 6819          | 0.10%           | 0.010%        |
| 4         | 6.604       | 627           | 632         | 633          | rBV4     | 7636           | 9631          | 0.15%           | 0.014%        |
| 5         | 6.639       | 633           | 638         | 652          | rVB      | 167034         | 331311        | 4.99%           | 0.484%        |
| 6         | 6.787       | 657           | 663         | 684          | rBV      | 770150         | 1336954       | 20.15%          | 1.953%        |
| 7         | 6.975       | 689           | 695         | 707          | rBV      | 820107         | 1348919       | 20.33%          | 1.970%        |
| 8         | 7.434       | 763           | 773         | 787          | rBV      | 1038775        | 1679460       | 25.32%          | 2.453%        |
| 9         | 7.528       | 787           | 789         | 796          | rVB6     | 6865           | 9850          | 0.15%           | 0.014%        |
| 10        | 8.163       | 890           | 897         | 910          | rBV      | 553954         | 1006377       | 15.17%          | 1.470%        |
| 11        | 8.586       | 963           | 969         | 988          | rBV      | 933358         | 1662845       | 25.07%          | 2.429%        |
| 12        | 9.022       | 1039          | 1043        | 1048         | rVB      | 28606          | 41470         | 0.63%           | 0.061%        |
| 13        | 9.304       | 1084          | 1091        | 1111         | rBV      | 781925         | 1348333       | 20.33%          | 1.969%        |
| 14        | 9.845       | 1176          | 1183        | 1197         | rBV      | 994875         | 1957603       | 29.51%          | 2.859%        |
| 15        | 10.204      | 1235          | 1244        | 1259         | rBV      | 1498418        | 2521776       | 38.02%          | 3.683%        |
| 16        | 10.380      | 1270          | 1274        | 1289         | rBV3     | 24919          | 72556         | 1.09%           | 0.106%        |
| 17        | 11.510      | 1463          | 1466        | 1474         | rVB4     | 6930           | 11480         | 0.17%           | 0.017%        |
| 18        | 11.822      | 1515          | 1519        | 1529         | rVB3     | 12586          | 27618         | 0.42%           | 0.040%        |
| 19        | 12.721      | 1667          | 1672        | 1679         | rBV3     | 11590          | 16785         | 0.25%           | 0.025%        |
| 20        | 12.933      | 1705          | 1708        | 1715         | rVB2     | 4442           | 7017          | 0.11%           | 0.010%        |
| 21        | 13.521      | 1802          | 1808        | 1814         | rBV      | 2458231        | 3528886       | 53.20%          | 5.154%        |
| 22        | 13.568      | 1814          | 1816        | 1829         | rVB      | 138603         | 204454        | 3.08%           | 0.299%        |
| 23        | 13.786      | 1846          | 1853        | 1870         | rBV      | 2896512        | 4142745       | 62.45%          | 6.050%        |
| 24        | 14.098      | 1899          | 1906        | 1918         | rBV2     | 2340523        | 3486268       | 52.55%          | 5.092%        |
| 25        | 14.374      | 1947          | 1953        | 1961         | rBV2     | 46391          | 127845        | 1.93%           | 0.187%        |
| 26        | 15.104      | 2070          | 2077        | 2094         | rBV      | 3637238        | 5437782       | 81.97%          | 7.942%        |
| 27        | 15.251      | 2097          | 2102        | 2114         | rBV      | 1016394        | 1530176       | 23.07%          | 2.235%        |
| 28        | 15.345      | 2114          | 2118        | 2123         | rVB      | 41585          | 68227         | 1.03%           | 0.100%        |
| 29        | 15.892      | 2207          | 2211        | 2216         | rVB5     | 11258          | 18761         | 0.28%           | 0.027%        |
| 30        | 16.545      | 2319          | 2322        | 2324         | rVB3     | 6333           | 7220          | 0.11%           | 0.011%        |
| 31        | 16.651      | 2336          | 2340        | 2345         | rVB      | 12174          | 17580         | 0.27%           | 0.026%        |
| 32        | 16.856      | 2368          | 2375        | 2385         | rBV      | 2889200        | 4013504       | 60.50%          | 5.862%        |
| 33        | 16.956      | 2385          | 2392        | 2407         | rVV      | 4077385        | 5807083       | 87.54%          | 8.481%        |
| 34        | 17.780      | 2527          | 2532        | 2542         | rBV3     | 117746         | 195364        | 2.95%           | 0.285%        |

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BNA\_M  
ClientSampleId :  
C0C09

## Integration Parameters: LSCINT.P

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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-BM121719MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 18.898 | 2718 | 2722 | 2726 | rBV  | 42530   | 58748   | 0.89%   | 0.086% |
| 36 | 19.080 | 2749 | 2753 | 2757 | rBV3 | 50447   | 77255   | 1.16%   | 0.113% |
| 37 | 19.150 | 2761 | 2765 | 2772 | rVV  | 37444   | 56605   | 0.85%   | 0.083% |
| 38 | 19.262 | 2778 | 2784 | 2796 | rBV  | 4781697 | 6633605 | 100.00% | 9.688% |
| 39 | 20.809 | 3043 | 3047 | 3054 | rBV  | 531461  | 729811  | 11.00%  | 1.066% |
| 40 | 21.068 | 3086 | 3091 | 3101 | rBV  | 3260523 | 4335796 | 65.36%  | 6.332% |
| 41 | 21.250 | 3120 | 3122 | 3127 | rVB2 | 107713  | 98561   | 1.49%   | 0.144% |
| 42 | 21.674 | 3191 | 3194 | 3199 | rVB3 | 157750  | 203337  | 3.07%   | 0.297% |
| 43 | 22.109 | 3265 | 3268 | 3273 | rVB  | 318250  | 366107  | 5.52%   | 0.535% |
| 44 | 22.586 | 3346 | 3349 | 3354 | rVB  | 407395  | 537098  | 8.10%   | 0.784% |
| 45 | 23.068 | 3424 | 3431 | 3436 | rBV  | 3851296 | 6632657 | 99.99%  | 9.687% |
| 46 | 23.121 | 3436 | 3440 | 3445 | rVV  | 517146  | 850120  | 12.82%  | 1.242% |
| 47 | 23.197 | 3447 | 3453 | 3463 | rVB  | 2484487 | 4493126 | 67.73%  | 6.562% |
| 48 | 23.721 | 3538 | 3542 | 3548 | rVB2 | 426880  | 711058  | 10.72%  | 1.038% |
| 49 | 24.409 | 3656 | 3659 | 3668 | rVB  | 338852  | 625976  | 9.44%   | 0.914% |

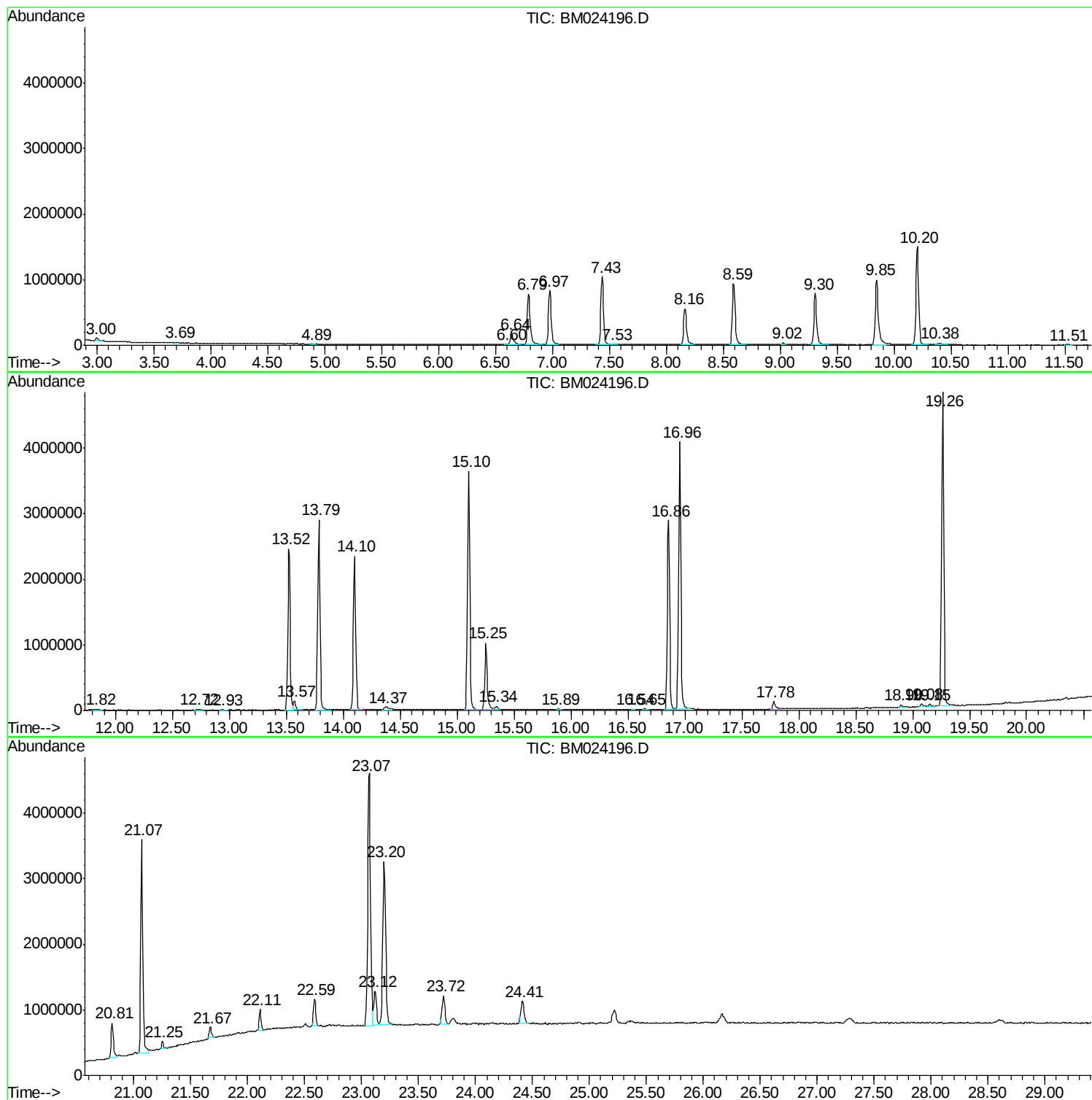
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
Quant Title : SVOA CALIBRATION

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



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
Quant Title : SVOA CALIBRATION

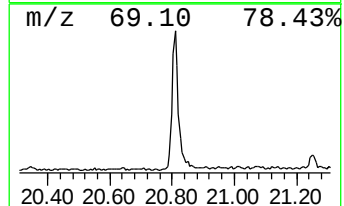
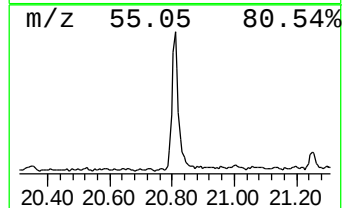
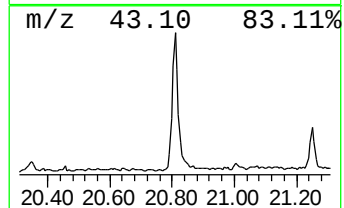
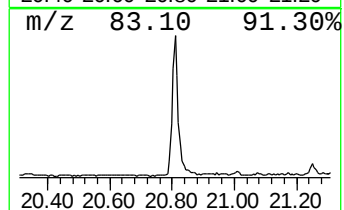
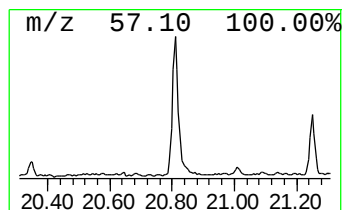
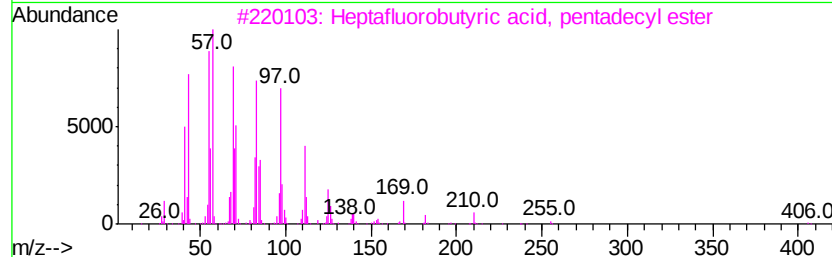
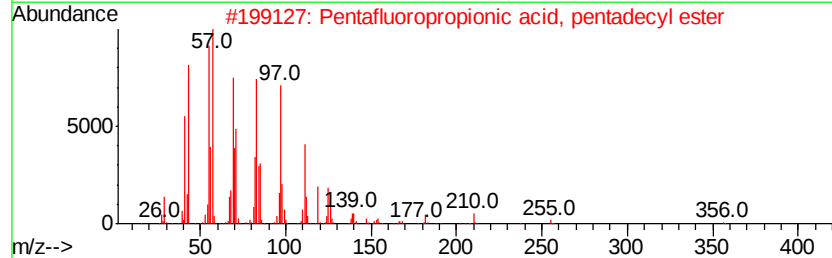
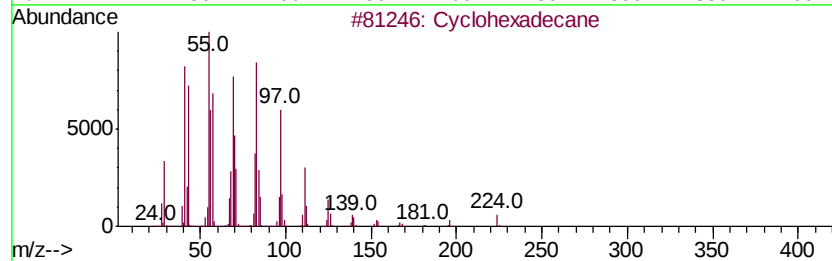
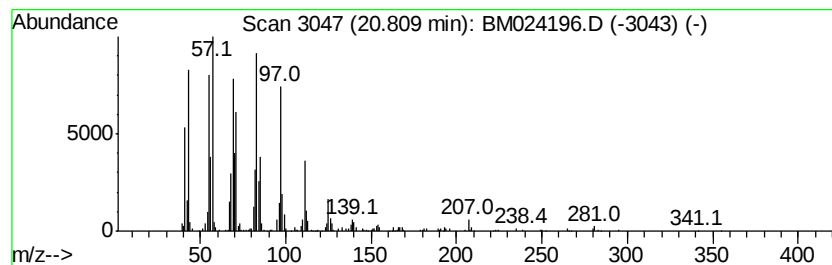
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 (DEL) Alkane: Cyclic20.81 Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.81 | 3.37 ng/ul | 729811 | Chrysene-d12     | 21.07 |

| Hit# | of | Tentative ID                        | MW  | MolForm     | CAS#         | Qual |
|------|----|-------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Cyclohexadecane                     | 224 | C16H32      | 000295-65-8  | 98   |
| 2    |    | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2  | 959092-08-1  | 94   |
| 3    |    | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2  | 959261-23-5  | 94   |
| 4    |    | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 94   |
| 5    |    | 9-Eicosene, (E)-                    | 280 | C20H40      | 074685-29-3  | 93   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
Quant Title : SVOA CALIBRATION

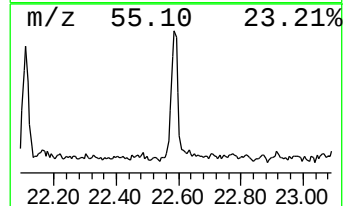
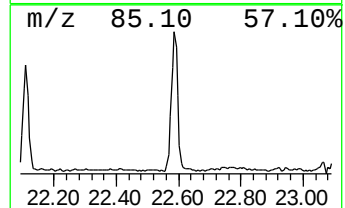
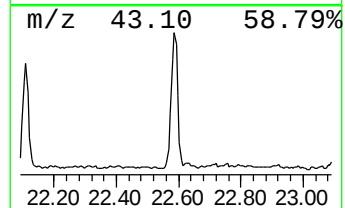
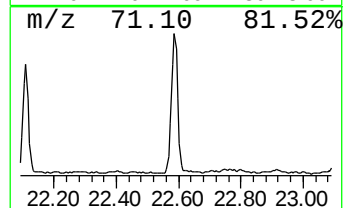
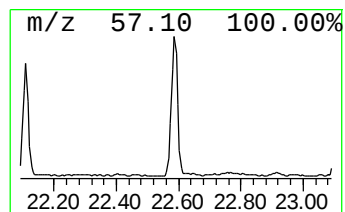
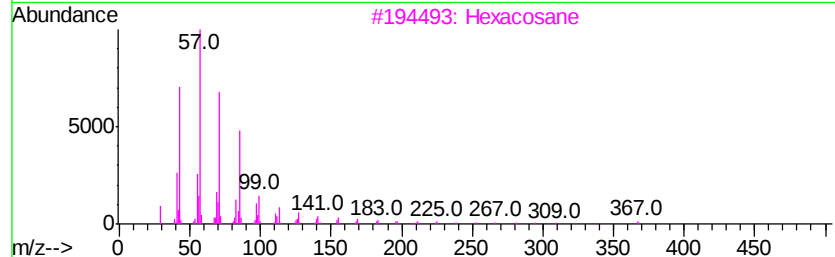
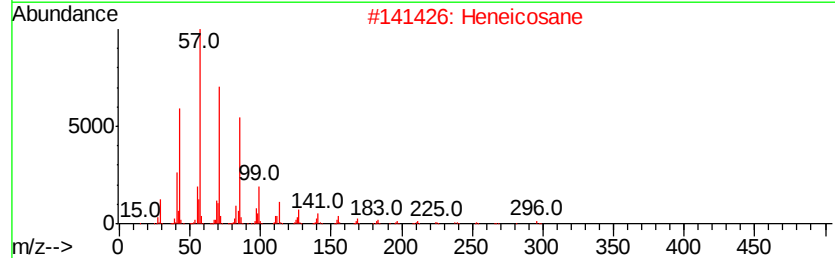
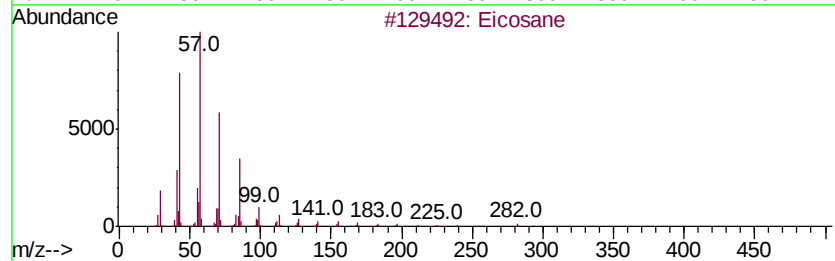
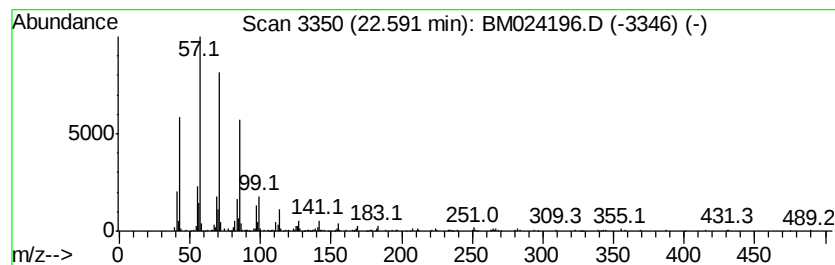
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.59 | 2.39 ng/ul | 537098 | Perylene-d12     | 23.20 |

| Hit# | of | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|--------------|-----|---------|-------------|------|
| 1    | 5  | Eicosane     | 282 | C20H42  | 000112-95-8 | 93   |
| 2    |    | Heneicosane  | 296 | C21H44  | 000629-94-7 | 91   |
| 3    |    | Hexacosane   | 366 | C26H54  | 000630-01-3 | 91   |
| 4    |    | Tetracosane  | 338 | C24H50  | 000646-31-1 | 90   |
| 5    |    | Tetradecane  | 198 | C14H30  | 000629-59-4 | 83   |



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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
Quant Title : SVOA CALIBRATION

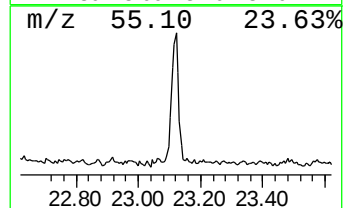
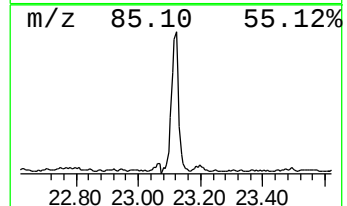
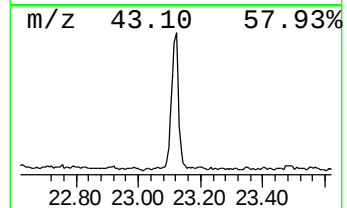
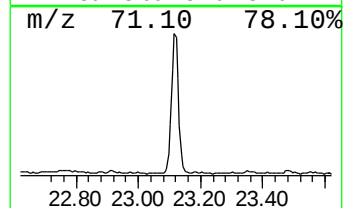
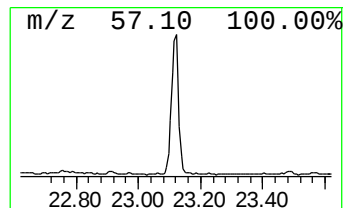
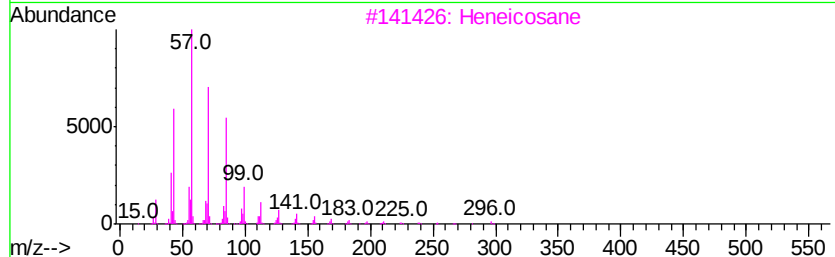
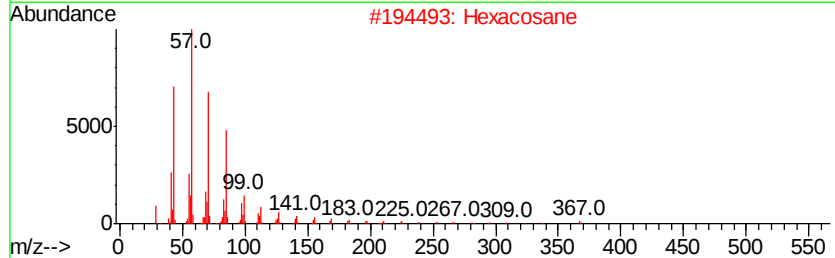
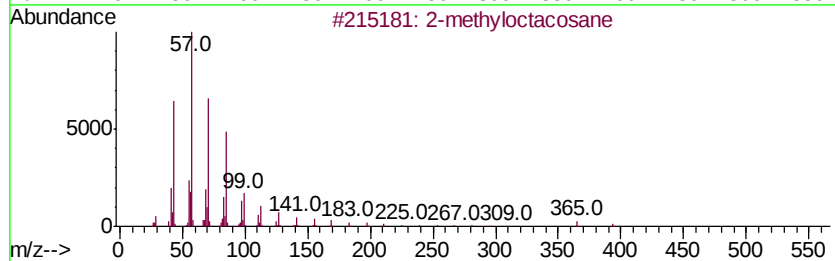
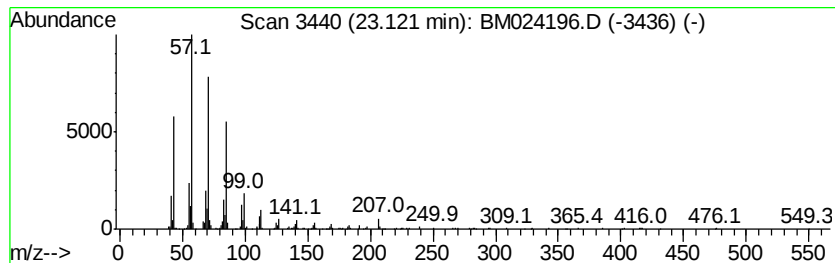
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.12 | 3.78 ng/ul | 850120 | Perylene-d12     | 23.20 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm | CAS#         | Qual |
|------|----|---|---------------------|-----|---------|--------------|------|
| 1    |    |   | 2-methyloctacosane  | 408 | C29H60  | 1000376-72-8 | 91   |
| 2    |    |   | Hexacosane          | 366 | C26H54  | 000630-01-3  | 91   |
| 3    |    |   | Heneicosane         | 296 | C21H44  | 000629-94-7  | 91   |
| 4    |    |   | Tetracosane         | 338 | C24H50  | 000646-31-1  | 90   |
| 5    |    |   | Docosane, 11-butyl- | 366 | C26H54  | 013475-76-8  | 90   |



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Quant Title : SVOA CALIBRATION

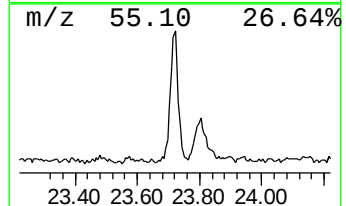
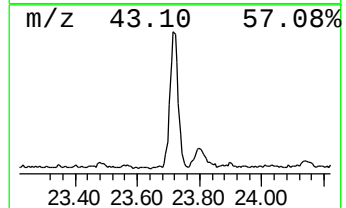
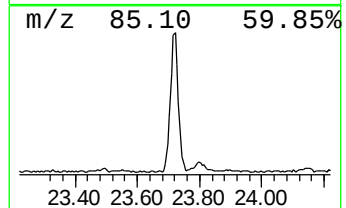
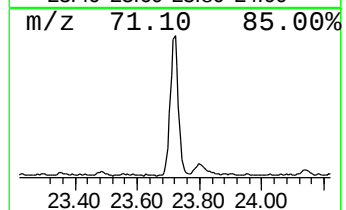
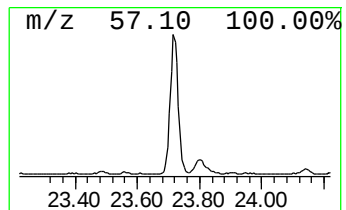
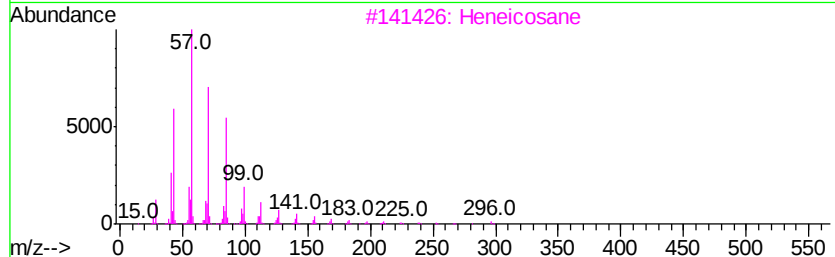
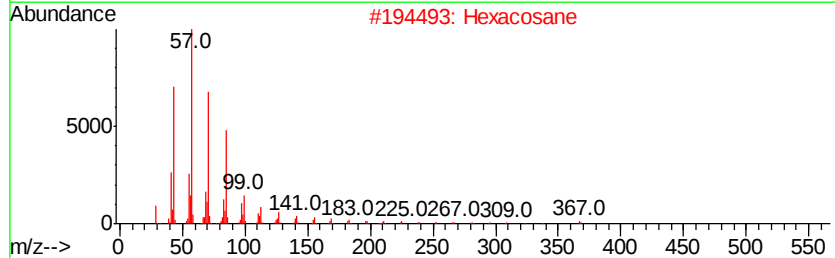
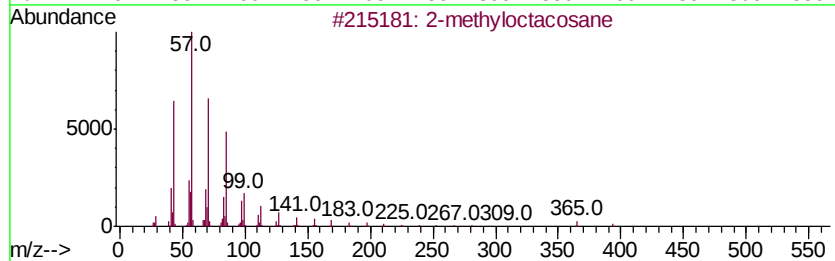
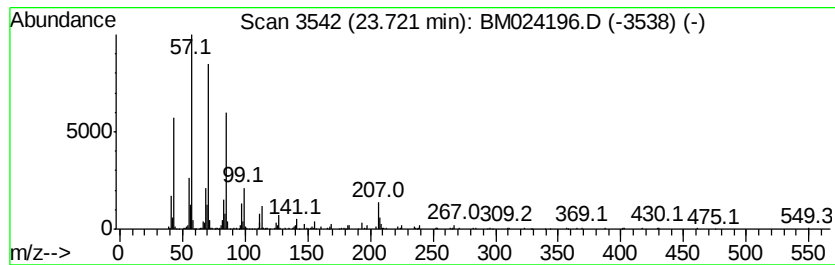
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.72 | 3.17 ng/ul | 711058 | Perylene-d12     | 23.20 |

| Hit# | of | 5 | Tentative ID       | MW  | MolForm | CAS#         | Qual |
|------|----|---|--------------------|-----|---------|--------------|------|
| 1    |    |   | 2-methyloctacosane | 408 | C29H60  | 1000376-72-8 | 87   |
| 2    |    |   | Hexacosane         | 366 | C26H54  | 000630-01-3  | 87   |
| 3    |    |   | Heneicosane        | 296 | C21H44  | 000629-94-7  | 87   |
| 4    |    |   | Octacosane         | 394 | C28H58  | 000630-02-4  | 83   |
| 5    |    |   | Tetracosane        | 338 | C24H50  | 000646-31-1  | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121919\  
Data File : BM024196.D  
Acq On : 20 Dec 2019 10:05  
Operator : JU  
Sample : K6253-02  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0C09

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
Quant Title : SVOA CALIBRATION

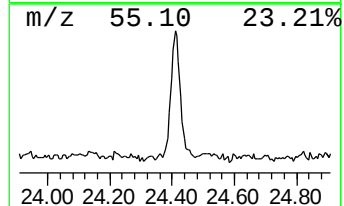
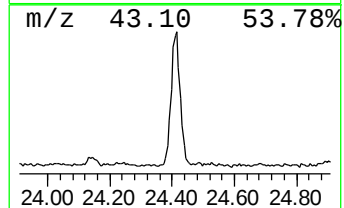
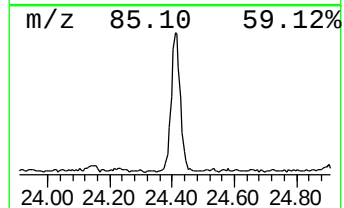
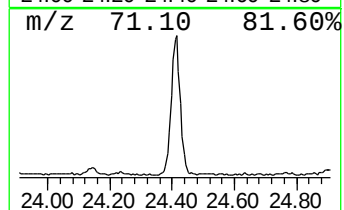
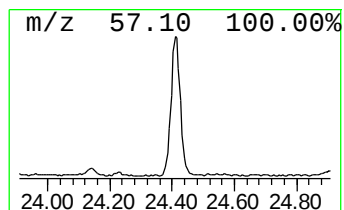
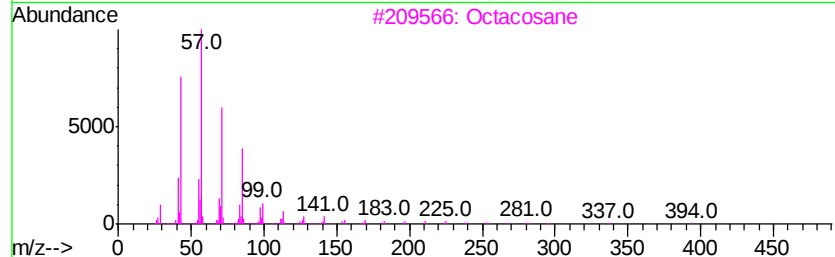
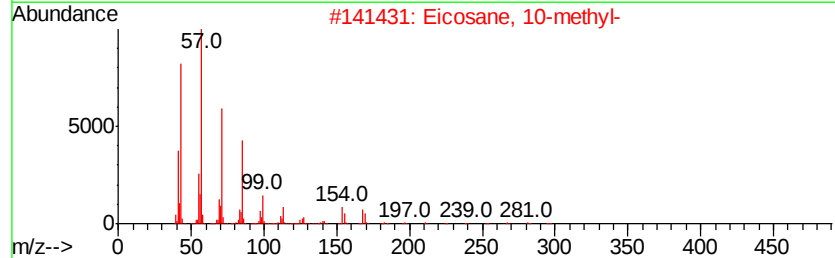
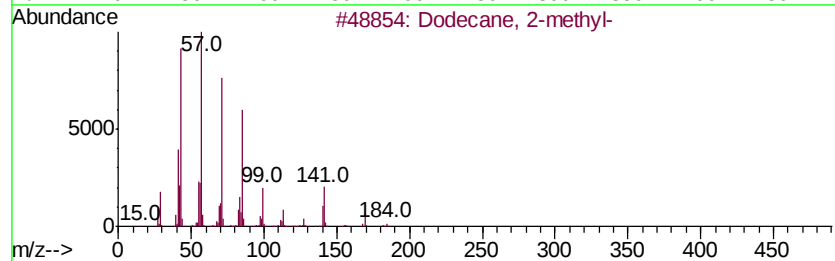
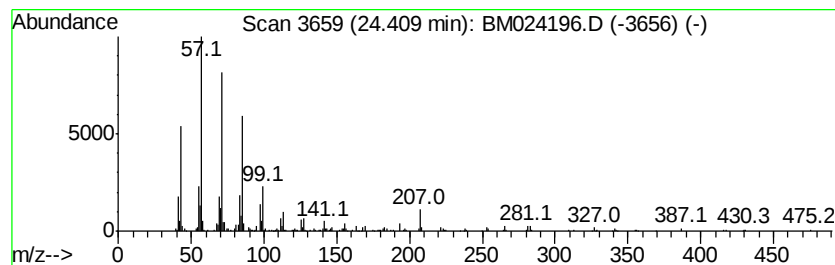
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.41 | 2.79 ng/ul | 625976 | Perylene-d12     | 23.20 |

| Hit# of | 5 | Tentative ID         | MW  | MolForm | CAS#        | Qual |
|---------|---|----------------------|-----|---------|-------------|------|
| 1       |   | Dodecane, 2-methyl-  | 184 | C13H28  | 001560-97-0 | 87   |
| 2       |   | Eicosane, 10-methyl- | 296 | C21H44  | 054833-23-7 | 87   |
| 3       |   | Octacosane           | 394 | C28H58  | 000630-02-4 | 83   |
| 4       |   | 10-Methylnonadecane  | 282 | C20H42  | 056862-62-5 | 83   |
| 5       |   | Hexacosane           | 366 | C26H54  | 000630-01-3 | 83   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM121919\  
Data File : BM024196.D  
Acq On : 20 Dec 2019 10:05  
Operator : JU  
Sample : K6253-02  
Misc :  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0C09

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM121719MA.M  
Quant Title : SVOA CALIBRATION

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

|                      |       |         |       |          | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
| TIC Top Hit name     | RT    | EstConc | Units | Response | #                     | RT    | Resp    | Conc |
| (DEL) Alkane: Cyc... | 20.81 | 3.4     | ng/ul | 729811   | 5                     | 21.07 | 4335800 | 20.0 |
| (DEL) Alkane: Str... | 22.59 | 2.4     | ng/ul | 537098   | 6                     | 23.20 | 4493130 | 20.0 |
| (DEL) Alkane: Str... | 23.12 | 3.8     | ng/ul | 850120   | 6                     | 23.20 | 4493130 | 20.0 |
| (DEL) Alkane: Str... | 23.72 | 3.2     | ng/ul | 711058   | 6                     | 23.20 | 4493130 | 20.0 |
| (DEL) Alkane: Str... | 24.41 | 2.8     | ng/ul | 625976   | 6                     | 23.20 | 4493130 | 20.0 |