

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122319\  
 Data File : BM024214.D  
 Acq On : 23 Dec 2019 12:38  
 Operator : JU  
 Sample : K6202-13  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0C12

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         | 2.993       | 16            | 18          | 31           | rVB      | 47500          | 76807         | 1.38%           | 0.140%        |
| 2         | 3.693       | 134           | 137         | 141          | rBV6     | 10835          | 14516         | 0.26%           | 0.026%        |
| 3         | 6.599       | 625           | 631         | 633          | rBV2     | 21771          | 28224         | 0.51%           | 0.051%        |
| 4         | 6.640       | 633           | 638         | 654          | rVB      | 140173         | 296298        | 5.33%           | 0.540%        |
| 5         | 6.787       | 657           | 663         | 685          | rBV      | 647716         | 1109947       | 19.98%          | 2.023%        |
| 6         | 6.975       | 688           | 695         | 710          | rBV      | 661847         | 1135780       | 20.45%          | 2.070%        |
| 7         | 7.434       | 766           | 773         | 787          | rBV      | 754751         | 1237221       | 22.27%          | 2.255%        |
| 8         | 8.157       | 890           | 896         | 906          | rBV      | 466743         | 833650        | 15.01%          | 1.520%        |
| 9         | 8.587       | 963           | 969         | 981          | rBV      | 773561         | 1346347       | 24.24%          | 2.454%        |
| 10        | 8.663       | 981           | 982         | 985          | rVB3     | 6287           | 5678          | 0.10%           | 0.010%        |
| 11        | 9.022       | 1037          | 1043        | 1050         | rVB2     | 70176          | 101421        | 1.83%           | 0.185%        |
| 12        | 9.304       | 1083          | 1091        | 1106         | rBV      | 633225         | 1092419       | 19.67%          | 1.991%        |
| 13        | 9.840       | 1176          | 1182        | 1199         | rBV      | 731252         | 1585782       | 28.55%          | 2.890%        |
| 14        | 10.198      | 1235          | 1243        | 1257         | rBV      | 1105179        | 1874674       | 33.75%          | 3.417%        |
| 15        | 10.393      | 1270          | 1276        | 1277         | rBV2     | 17057          | 23696         | 0.43%           | 0.043%        |
| 16        | 11.510      | 1459          | 1466        | 1470         | rVB2     | 24326          | 36271         | 0.65%           | 0.066%        |
| 17        | 11.828      | 1515          | 1520        | 1528         | rVB3     | 8806           | 19503         | 0.35%           | 0.036%        |
| 18        | 13.522      | 1801          | 1808        | 1814         | rBV      | 2100258        | 2954615       | 53.19%          | 5.386%        |
| 19        | 13.569      | 1814          | 1816        | 1826         | rVB2     | 67301          | 102078        | 1.84%           | 0.186%        |
| 20        | 13.787      | 1846          | 1853        | 1870         | rBV      | 2252332        | 3381105       | 60.87%          | 6.163%        |
| 21        | 14.098      | 1898          | 1906        | 1917         | rBV      | 1713608        | 2597223       | 46.75%          | 4.734%        |
| 22        | 14.375      | 1949          | 1953        | 1965         | rBV4     | 32793          | 103979        | 1.87%           | 0.190%        |
| 23        | 15.098      | 2070          | 2076        | 2091         | rBV      | 3131611        | 4480687       | 80.66%          | 8.167%        |
| 24        | 15.251      | 2096          | 2102        | 2114         | rBV      | 750374         | 1205899       | 21.71%          | 2.198%        |
| 25        | 15.345      | 2114          | 2118        | 2124         | rVB3     | 38133          | 62523         | 1.13%           | 0.114%        |
| 26        | 15.892      | 2206          | 2211        | 2214         | rBV3     | 8877           | 11803         | 0.21%           | 0.022%        |
| 27        | 16.645      | 2336          | 2339        | 2344         | rVB3     | 9212           | 12965         | 0.23%           | 0.024%        |
| 28        | 16.851      | 2368          | 2374        | 2385         | rBV      | 2113736        | 3046601       | 54.84%          | 5.553%        |
| 29        | 16.951      | 2385          | 2391        | 2404         | rBV      | 3204190        | 4752419       | 85.55%          | 8.662%        |
| 30        | 17.780      | 2526          | 2532        | 2539         | rBV2     | 97089          | 160210        | 2.88%           | 0.292%        |
| 31        | 18.592      | 2667          | 2670        | 2673         | rBV3     | 6250           | 8233          | 0.15%           | 0.015%        |
| 32        | 18.898      | 2718          | 2722        | 2726         | rBV2     | 35056          | 50854         | 0.92%           | 0.093%        |
| 33        | 19.074      | 2749          | 2752        | 2759         | rBV5     | 45521          | 79004         | 1.42%           | 0.144%        |
| 34        | 19.151      | 2761          | 2765        | 2769         | rVB2     | 30531          | 45046         | 0.81%           | 0.082%        |

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Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0C12

## Integration Parameters: LSCINT.P

Integrator: RTE  
Smoothing : OFF Filtering: 5  
Sampling : 1 Min Area: 0.1 % 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\_M\METHODS\SOM-EPA-BM121719MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 19.263 | 2778 | 2784 | 2799 | rBV  | 4066312 | 5554971 | 100.00% | 10.125% |
| 36 | 20.810 | 3043 | 3047 | 3054 | rBV  | 322429  | 485659  | 8.74%   | 0.885%  |
| 37 | 21.068 | 3086 | 3091 | 3103 | rBV  | 2509049 | 3381631 | 60.88%  | 6.164%  |
| 38 | 21.251 | 3119 | 3122 | 3125 | rBV2 | 99926   | 107928  | 1.94%   | 0.197%  |
| 39 | 21.668 | 3190 | 3193 | 3200 | rBV2 | 175575  | 237063  | 4.27%   | 0.432%  |
| 40 | 22.110 | 3265 | 3268 | 3274 | rVB  | 320645  | 382840  | 6.89%   | 0.698%  |
| 41 | 22.586 | 3345 | 3349 | 3356 | rBV  | 387598  | 528891  | 9.52%   | 0.964%  |
| 42 | 23.062 | 3424 | 3430 | 3436 | rBV  | 3145651 | 5540273 | 99.74%  | 10.099% |
| 43 | 23.115 | 3436 | 3439 | 3446 | rVV  | 476486  | 726345  | 13.08%  | 1.324%  |
| 44 | 23.198 | 3447 | 3453 | 3463 | rVB  | 1939375 | 3466343 | 62.40%  | 6.318%  |
| 45 | 23.721 | 3538 | 3542 | 3548 | rVB  | 337388  | 576674  | 10.38%  | 1.051%  |

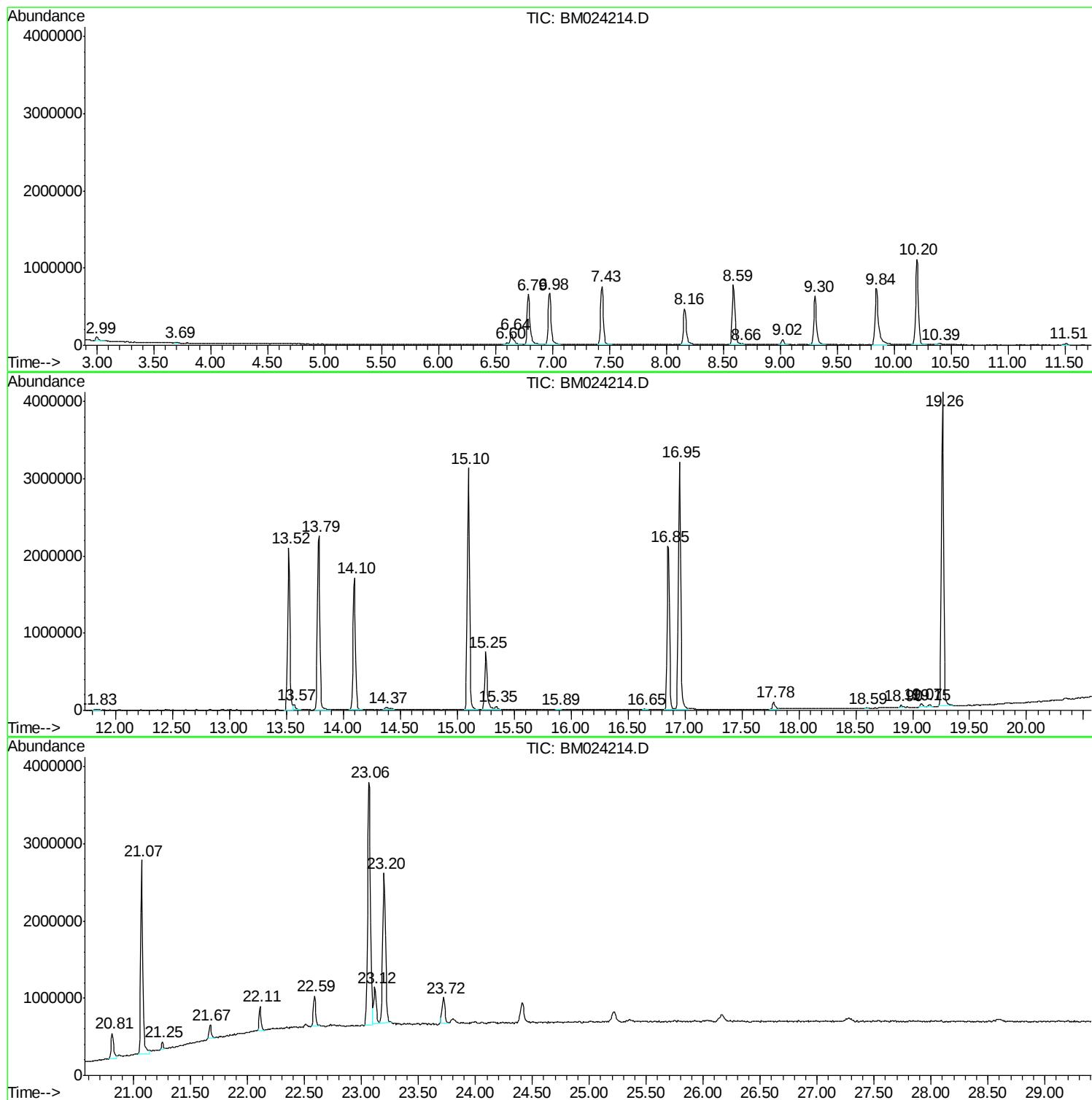
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Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0C12

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122319\  
Data File : BM024214.D  
Acq On : 23 Dec 2019 12:38  
Operator : JU  
Sample : K6202-13  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

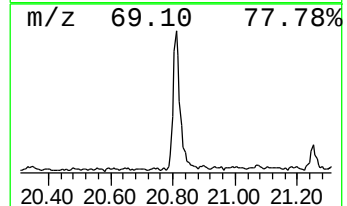
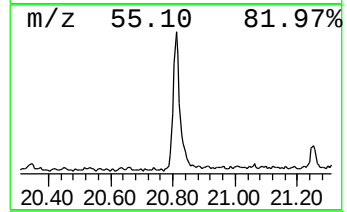
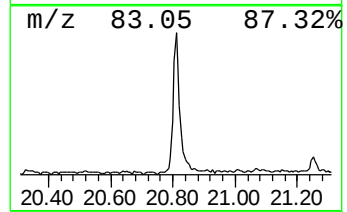
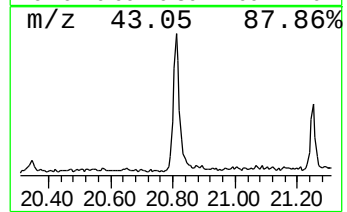
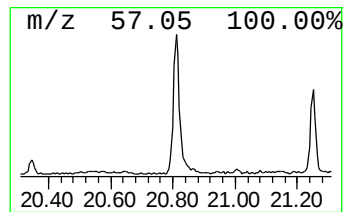
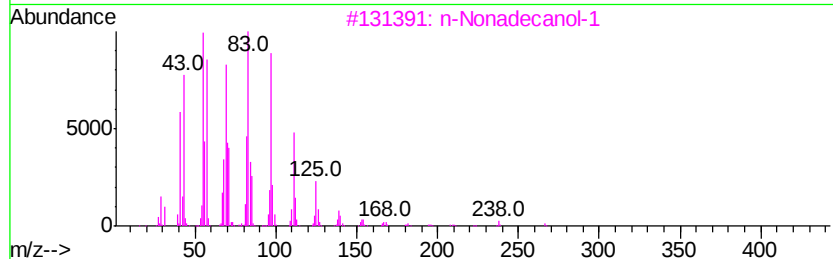
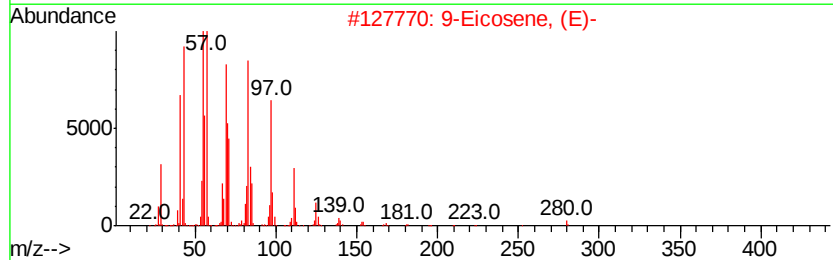
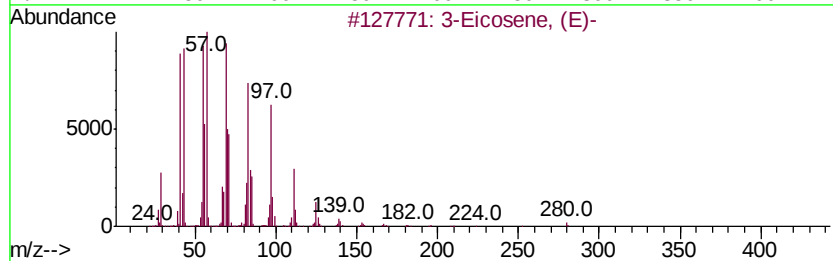
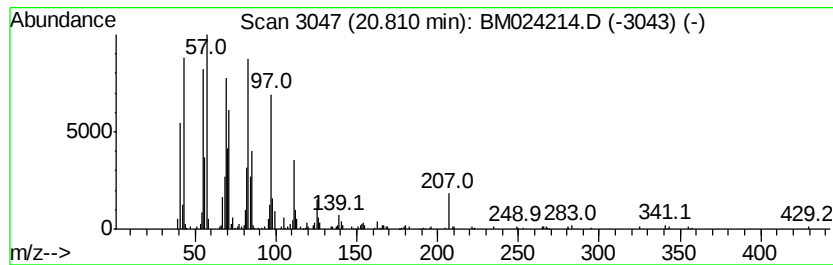
Instrument :  
BNA\_M  
ClientSampleId :  
C0C12

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 4

| R.T.      | EstConc                    | Area   | Relative to ISTD | R.T.         |      |
|-----------|----------------------------|--------|------------------|--------------|------|
| 20.81     | 2.87 ng/ul                 | 485659 | Chrysene-d12     | 21.07        |      |
| Hit# of 5 | Tentative ID               | MW     | MolForm          | CAS#         | Qual |
| 1         | 3-Eicosene, (E)-           | 280    | C20H40           | 074685-33-9  | 98   |
| 2         | 9-Eicosene, (E)-           | 280    | C20H40           | 074685-29-3  | 93   |
| 3         | n-Nonadecanol-1            | 284    | C19H40O          | 001454-84-8  | 93   |
| 4         | Nonadecyl trifluoroacetate | 380    | C21H39F3O2       | 1000351-76-3 | 87   |
| 5         | n-Nonadecanol-1            | 284    | C19H40O          | 001454-84-8  | 81   |



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

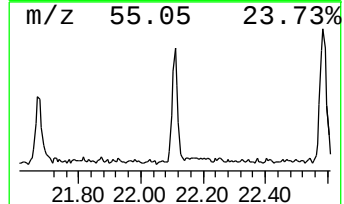
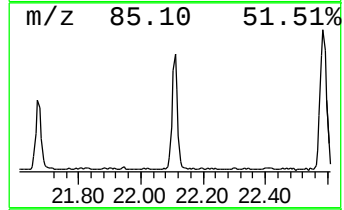
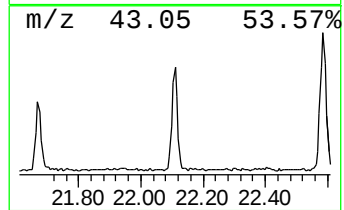
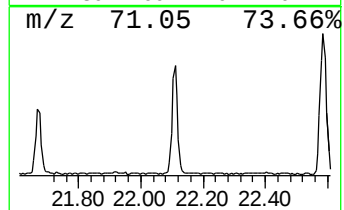
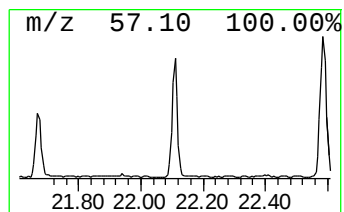
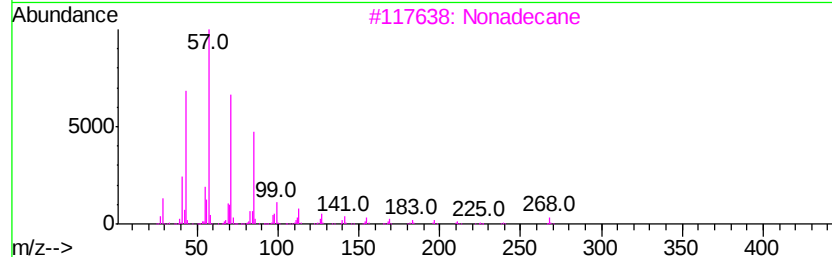
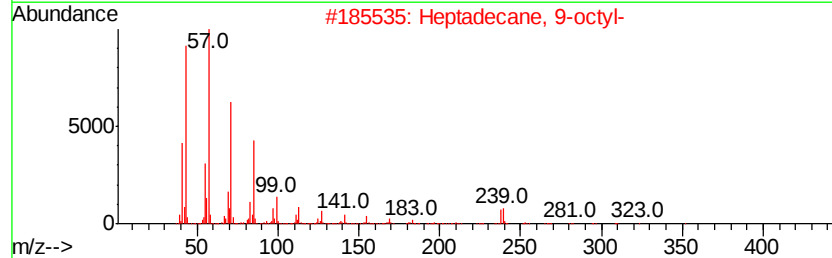
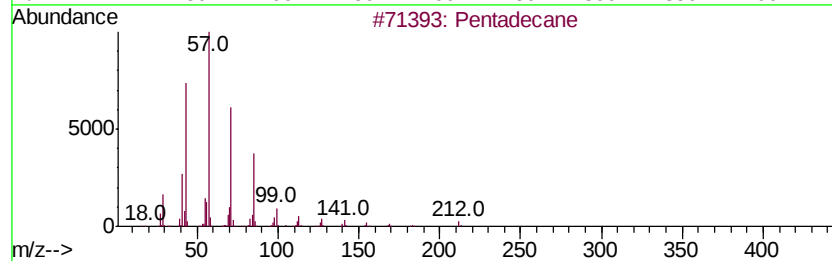
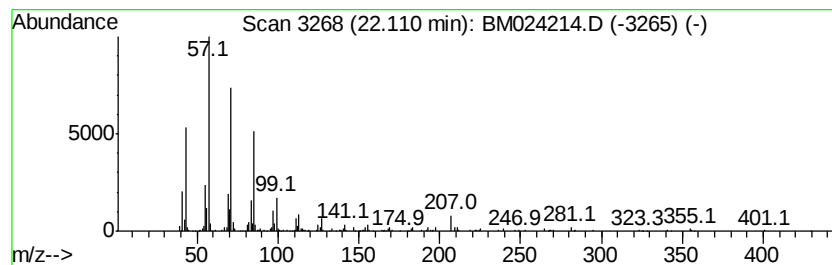
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.11 | 2.26 ng/ul | 382840 | Chrysene-d12     | 21.07 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Pentadecane                         | 212 | C15H32    | 000629-62-9  | 87   |
| 2    |    | Heptadecane, 9-octyl-               | 352 | C25H52    | 007225-64-1  | 86   |
| 3    |    | Nonadecane                          | 268 | C19H40    | 000629-92-5  | 83   |
| 4    |    | 2-Thiopheneacetic acid, 4-tetrad... | 338 | C20H34O2S | 1000280-67-0 | 80   |
| 5    |    | Hexadecane                          | 226 | C16H34    | 000544-76-3  | 80   |



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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0C12

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

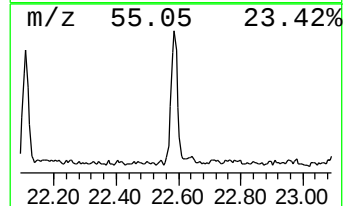
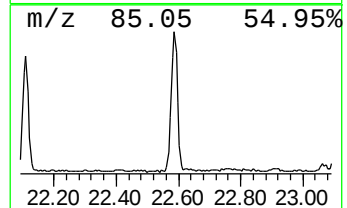
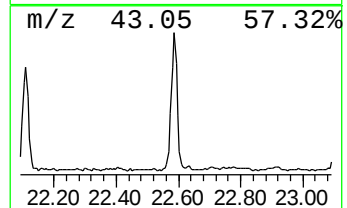
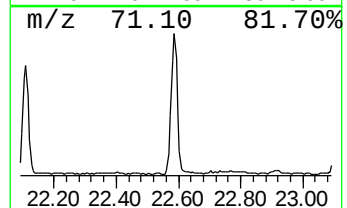
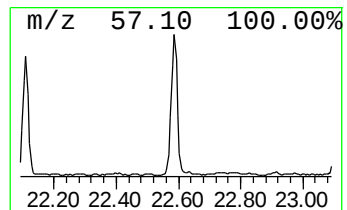
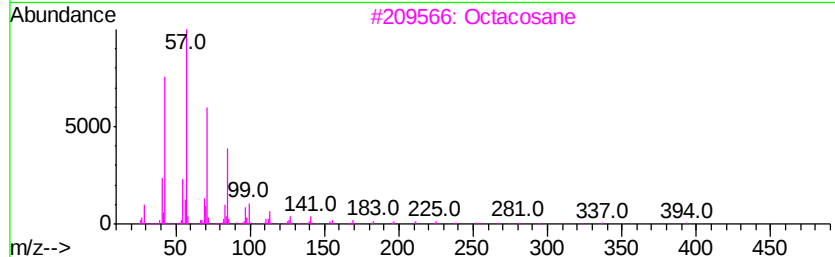
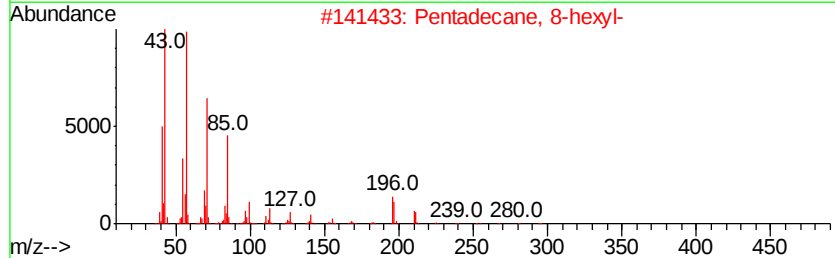
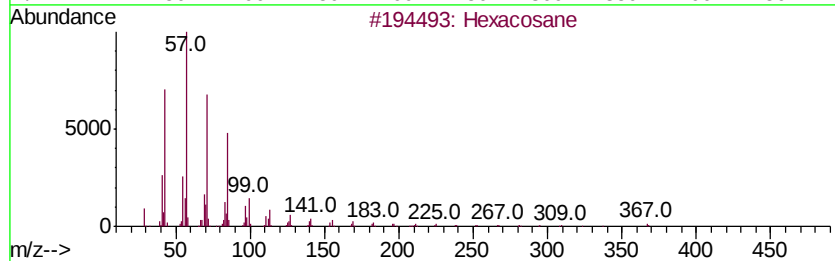
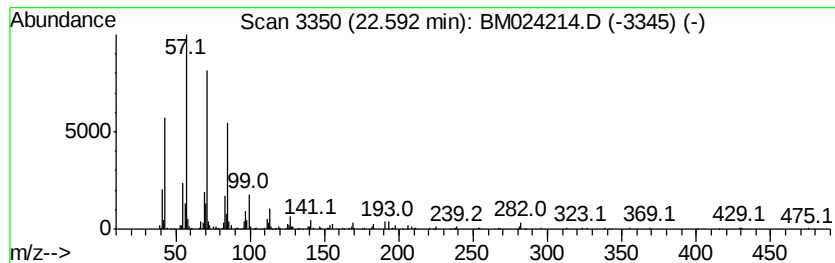
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.59 | 3.05 ng/ul | 528891 | Perylene-d12     | 23.20 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Hexacosane            | 366 | C26H54  | 000630-01-3 | 94   |
| 2    |    | Pentadecane, 8-hexyl- | 296 | C21H44  | 013475-75-7 | 94   |
| 3    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 91   |
| 4    |    | Eicosane, 10-methyl-  | 296 | C21H44  | 054833-23-7 | 91   |
| 5    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 91   |



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ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_M  
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C0C12

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

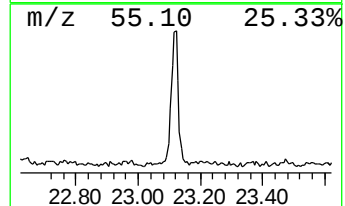
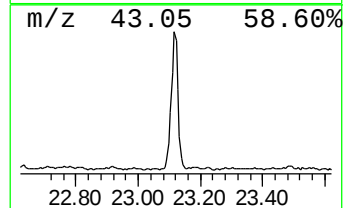
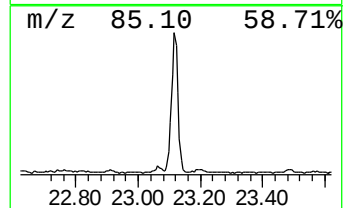
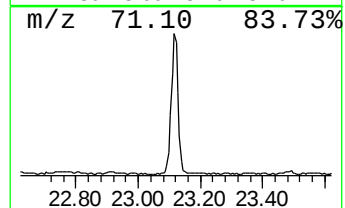
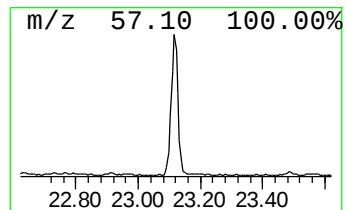
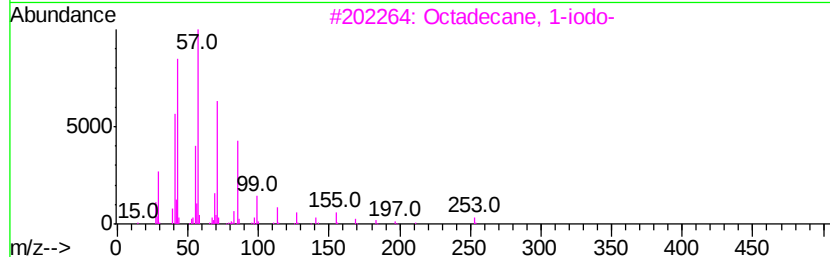
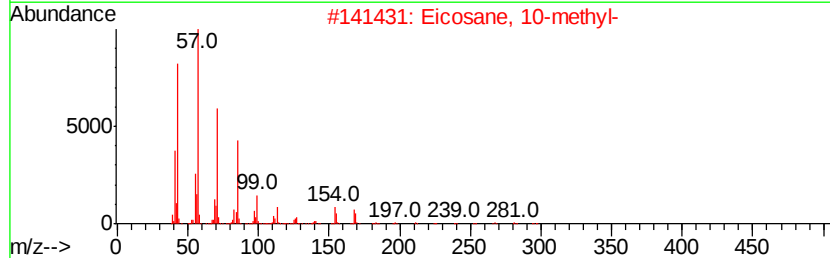
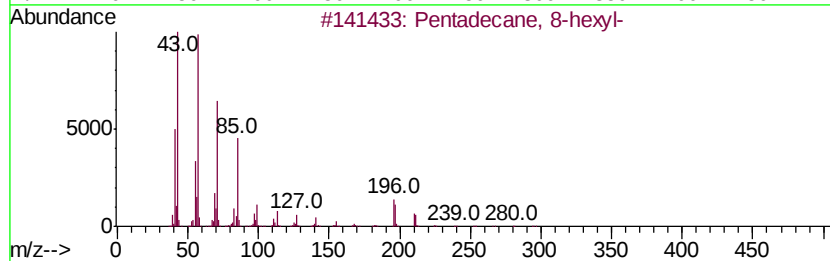
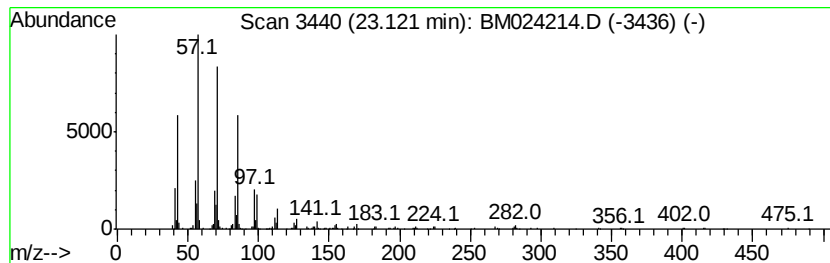
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.12 | 4.19 ng/ul | 726345 | Perylene-d12     | 23.20 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Pentadecane, 8-hexyl-               | 296 | C21H44    | 013475-75-7  | 90   |
| 2    |    | Eicosane, 10-methyl-                | 296 | C21H44    | 054833-23-7  | 90   |
| 3    |    | Octadecane, 1-iodo-                 | 380 | C18H37I   | 000629-93-6  | 86   |
| 4    |    | Octadecane                          | 254 | C18H38    | 000593-45-3  | 80   |
| 5    |    | 2-Thiopheneacetic acid, 4-tetrad... | 338 | C20H34O2S | 1000280-67-0 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM122319\  
Data File : BM024214.D  
Acq On : 23 Dec 2019 12:38  
Operator : JU  
Sample : K6202-13  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0C12

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

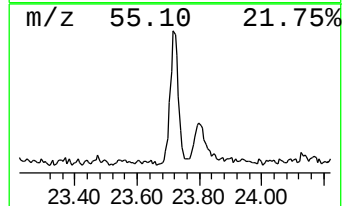
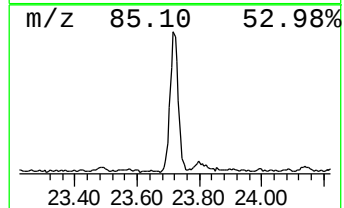
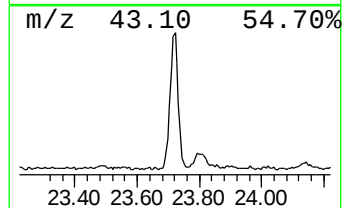
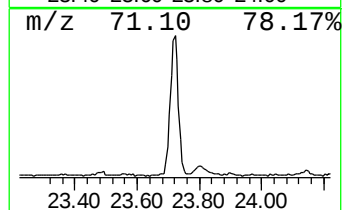
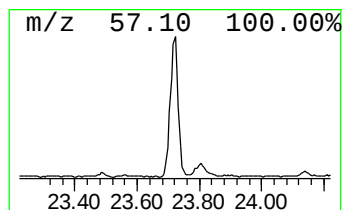
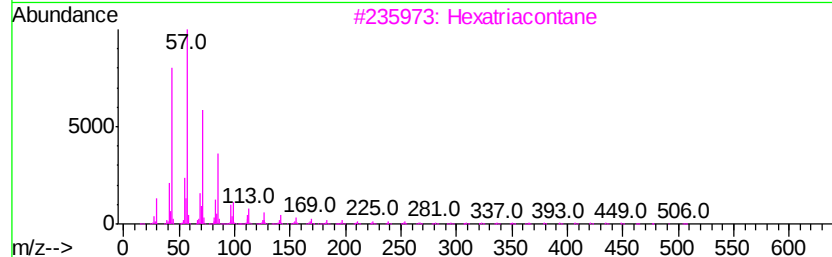
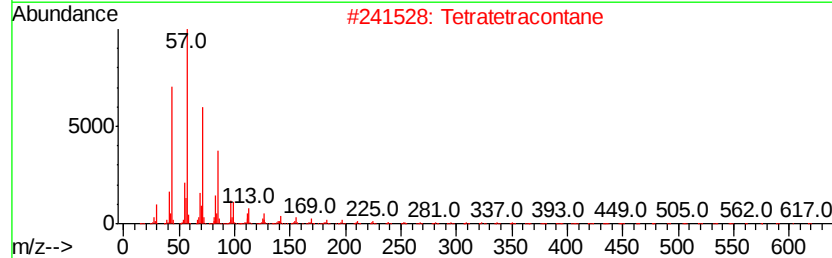
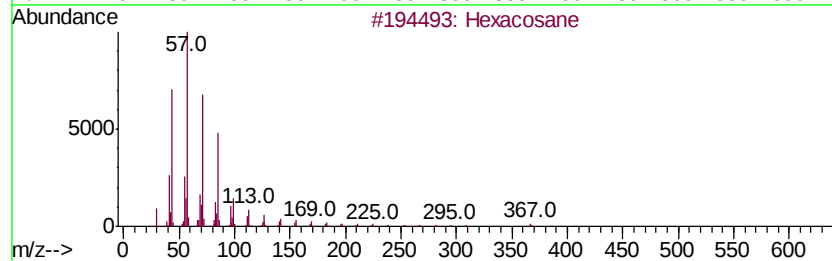
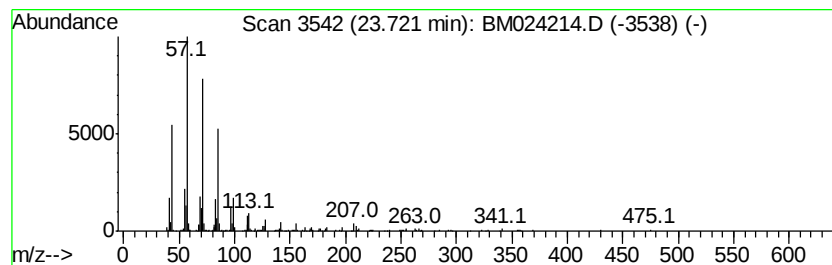
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.72 | 3.33 ng/ul | 576674 | Perylene-d12     | 23.20 |

| Hit# | of | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|----|----------------------------------|-----|---------|-------------|------|
| 1    | 5  | Hexacosane                       | 366 | C26H54  | 000630-01-3 | 91   |
| 2    |    | Tetratetracontane                | 619 | C44H90  | 007098-22-8 | 91   |
| 3    |    | Hexatriacontane                  | 507 | C36H74  | 000630-06-8 | 91   |
| 4    |    | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54  | 055282-11-6 | 91   |
| 5    |    | Heneicosane                      | 296 | C21H44  | 000629-94-7 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM122319\  
Data File : BM024214.D  
Acq On : 23 Dec 2019 12:38  
Operator : JU  
Sample : K6202-13  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
C0C12

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

| TIC Top Hit name          |       |     |       |        | --Internal Standard-- |       |         |      |  |
|---------------------------|-------|-----|-------|--------|-----------------------|-------|---------|------|--|
| RT EstConc Units Response |       |     |       |        | #                     | RT    | Resp    | Conc |  |
| (DEL) Alkane: Cyc...      | 20.81 | 2.9 | ng/ul | 485659 | 5                     | 21.07 | 3381630 | 20.0 |  |
| (DEL) Alkane: Str...      | 22.11 | 2.3 | ng/ul | 382840 | 5                     | 21.07 | 3381630 | 20.0 |  |
| (DEL) Alkane: Str...      | 22.59 | 3.0 | ng/ul | 528891 | 6                     | 23.20 | 3466340 | 20.0 |  |
| (DEL) Alkane: Str...      | 23.12 | 4.2 | ng/ul | 726345 | 6                     | 23.20 | 3466340 | 20.0 |  |
| (DEL) Alkane: Str...      | 23.72 | 3.3 | ng/ul | 576674 | 6                     | 23.20 | 3466340 | 20.0 |  |