

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091418\  
 Data File : BN002715.D  
 Acq On : 15 Sep 2018 06:35  
 Operator : JU/SJ  
 Sample : J4865-21  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DB3P9

## Integration Parameters: LSCINT.P

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

Filtering: 5  
 Min Area: 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\_N\METHODS\SOM-EPA-BN091418MA.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         | 3.223       | 36            | 40          | 45           | rVB      | 24984          | 29616         | 1.21%           | 0.079%        |
| 2         | 3.834       | 140           | 144         | 151          | rVB2     | 26600          | 37270         | 1.52%           | 0.099%        |
| 3         | 6.840       | 647           | 655         | 671          | rBV      | 443628         | 751387        | 30.60%          | 2.002%        |
| 4         | 6.993       | 674           | 681         | 692          | rBV      | 383641         | 591810        | 24.10%          | 1.577%        |
| 5         | 7.187       | 708           | 714         | 726          | rBV      | 485379         | 781320        | 31.82%          | 2.082%        |
| 6         | 7.652       | 786           | 793         | 801          | rBV      | 714046         | 1154150       | 47.00%          | 3.075%        |
| 7         | 8.358       | 907           | 913         | 925          | rBV      | 537308         | 948059        | 38.61%          | 2.526%        |
| 8         | 8.799       | 981           | 988         | 1000         | rBV      | 450083         | 745947        | 30.38%          | 1.988%        |
| 9         | 9.516       | 1103          | 1110        | 1121         | rBV      | 375363         | 637636        | 25.97%          | 1.699%        |
| 10        | 10.058      | 1195          | 1202        | 1220         | rBV      | 548554         | 983448        | 40.05%          | 2.620%        |
| 11        | 10.422      | 1256          | 1264        | 1272         | rBV      | 992192         | 1700240       | 69.24%          | 4.530%        |
| 12        | 10.563      | 1281          | 1288        | 1307         | rBV      | 405002         | 775860        | 31.59%          | 2.067%        |
| 13        | 12.575      | 1625          | 1630        | 1637         | rBV      | 134600         | 217485        | 8.86%           | 0.579%        |
| 14        | 13.699      | 1815          | 1821        | 1825         | rBV      | 986803         | 1337777       | 54.48%          | 3.564%        |
| 15        | 13.746      | 1825          | 1829        | 1837         | rVB      | 435507         | 596068        | 24.27%          | 1.588%        |
| 16        | 13.975      | 1860          | 1868        | 1881         | rBV      | 1164071        | 1710771       | 69.67%          | 4.558%        |
| 17        | 14.287      | 1914          | 1921        | 1929         | rBV2     | 1303698        | 2007390       | 81.74%          | 5.349%        |
| 18        | 14.522      | 1954          | 1961        | 1979         | rBV      | 206492         | 468250        | 19.07%          | 1.248%        |
| 19        | 15.287      | 2084          | 2091        | 2099         | rVB      | 1368674        | 1991634       | 81.10%          | 5.307%        |
| 20        | 15.422      | 2108          | 2114        | 2127         | rBV      | 356269         | 546666        | 22.26%          | 1.457%        |
| 21        | 16.010      | 2207          | 2214        | 2218         | rBV3     | 17227          | 32469         | 1.32%           | 0.087%        |
| 22        | 17.040      | 2382          | 2389        | 2397         | rVB      | 1413528        | 2046508       | 83.34%          | 5.453%        |
| 23        | 17.134      | 2399          | 2405        | 2416         | rVB2     | 1412272        | 1975735       | 80.46%          | 5.264%        |
| 24        | 17.939      | 2538          | 2542        | 2549         | rBV2     | 46363          | 72288         | 2.94%           | 0.193%        |
| 25        | 18.004      | 2549          | 2553        | 2557         | rVV3     | 36079          | 54599         | 2.22%           | 0.145%        |
| 26        | 18.045      | 2557          | 2560        | 2564         | rVB2     | 19979          | 27975         | 1.14%           | 0.075%        |
| 27        | 18.392      | 2614          | 2619        | 2625         | rBV3     | 25331          | 33081         | 1.35%           | 0.088%        |
| 28        | 18.475      | 2628          | 2633        | 2636         | rBV4     | 25211          | 32294         | 1.32%           | 0.086%        |
| 29        | 18.510      | 2636          | 2639        | 2644         | rBV4     | 27001          | 34179         | 1.39%           | 0.091%        |
| 30        | 18.822      | 2688          | 2692        | 2696         | rBV7     | 19268          | 27208         | 1.11%           | 0.072%        |
| 31        | 18.875      | 2696          | 2701        | 2704         | rBV2     | 66838          | 96998         | 3.95%           | 0.258%        |
| 32        | 18.904      | 2704          | 2706        | 2710         | rVB2     | 47722          | 52566         | 2.14%           | 0.140%        |
| 33        | 19.069      | 2726          | 2734        | 2738         | rBV4     | 24163          | 51102         | 2.08%           | 0.136%        |
| 34        | 19.351      | 2778          | 2782        | 2785         | rBV2     | 41570          | 52623         | 2.14%           | 0.140%        |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN091418\  
 Data File : BN002715.D  
 Acq On : 15 Sep 2018 06:35  
 Operator : JU/SJ  
 Sample : J4865-21  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DB3P9

## Integration Parameters: LSCINT.P

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

Filtering: 5  
 Min Area: 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\_N\METHODS\SOM-EPA-BN091418MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 19.381 | 2785 | 2787 | 2791 | rVB4 | 25249   | 30227   | 1.23%   | 0.081% |
| 36 | 19.439 | 2791 | 2797 | 2801 | rBV  | 1516962 | 2120568 | 86.35%  | 5.650% |
| 37 | 19.822 | 2859 | 2862 | 2866 | rVB5 | 17704   | 26128   | 1.06%   | 0.070% |
| 38 | 19.886 | 2870 | 2873 | 2876 | rBV3 | 36777   | 43349   | 1.77%   | 0.116% |
| 39 | 19.945 | 2878 | 2883 | 2886 | rVV  | 113338  | 159514  | 6.50%   | 0.425% |
| 40 | 19.986 | 2887 | 2890 | 2894 | rVV5 | 48046   | 80803   | 3.29%   | 0.215% |
| 41 | 20.034 | 2894 | 2898 | 2907 | rVB  | 248596  | 360657  | 14.69%  | 0.961% |
| 42 | 20.251 | 2932 | 2935 | 2937 | rBV3 | 18587   | 27525   | 1.12%   | 0.073% |
| 43 | 20.298 | 2941 | 2943 | 2946 | rVB3 | 30367   | 35230   | 1.43%   | 0.094% |
| 44 | 20.381 | 2955 | 2957 | 2962 | rVB2 | 444409  | 560252  | 22.81%  | 1.493% |
| 45 | 20.481 | 2972 | 2974 | 2979 | rVB2 | 47144   | 54243   | 2.21%   | 0.145% |
| 46 | 20.675 | 3003 | 3007 | 3018 | rVB4 | 159176  | 244399  | 9.95%   | 0.651% |
| 47 | 20.851 | 3032 | 3037 | 3042 | rBV  | 343215  | 506076  | 20.61%  | 1.348% |
| 48 | 20.963 | 3052 | 3056 | 3064 | rBV4 | 162416  | 405942  | 16.53%  | 1.082% |
| 49 | 21.033 | 3065 | 3068 | 3070 | rVV2 | 161636  | 210520  | 8.57%   | 0.561% |
| 50 | 21.057 | 3070 | 3072 | 3086 | rVB3 | 168741  | 251242  | 10.23%  | 0.669% |
| 51 | 21.239 | 3098 | 3103 | 3108 | rVB  | 1590185 | 2023636 | 82.41%  | 5.392% |
| 52 | 21.351 | 3118 | 3122 | 3127 | rBV2 | 99069   | 150505  | 6.13%   | 0.401% |
| 53 | 21.463 | 3138 | 3141 | 3151 | rVB9 | 79548   | 160307  | 6.53%   | 0.427% |
| 54 | 21.780 | 3191 | 3195 | 3200 | rBV  | 492761  | 659483  | 26.86%  | 1.757% |
| 55 | 21.857 | 3205 | 3208 | 3223 | rVB8 | 120443  | 282205  | 11.49%  | 0.752% |
| 56 | 22.039 | 3235 | 3239 | 3249 | rBV2 | 172894  | 367931  | 14.98%  | 0.980% |
| 57 | 22.280 | 3277 | 3280 | 3285 | rVB  | 118879  | 140303  | 5.71%   | 0.374% |
| 58 | 22.404 | 3298 | 3301 | 3309 | rVB  | 79296   | 115555  | 4.71%   | 0.308% |
| 59 | 22.780 | 3361 | 3365 | 3370 | rVB  | 229775  | 313891  | 12.78%  | 0.836% |
| 60 | 22.833 | 3371 | 3374 | 3383 | rVV4 | 76690   | 189244  | 7.71%   | 0.504% |
| 61 | 23.310 | 3448 | 3455 | 3467 | rBV  | 1210904 | 2455680 | 100.00% | 6.543% |
| 62 | 23.451 | 3472 | 3479 | 3488 | rVB  | 1153062 | 2247185 | 91.51%  | 5.987% |
| 63 | 23.963 | 3561 | 3566 | 3574 | rVB  | 207651  | 409251  | 16.67%  | 1.090% |
| 64 | 24.686 | 3684 | 3689 | 3696 | rVB  | 140231  | 297219  | 12.10%  | 0.792% |

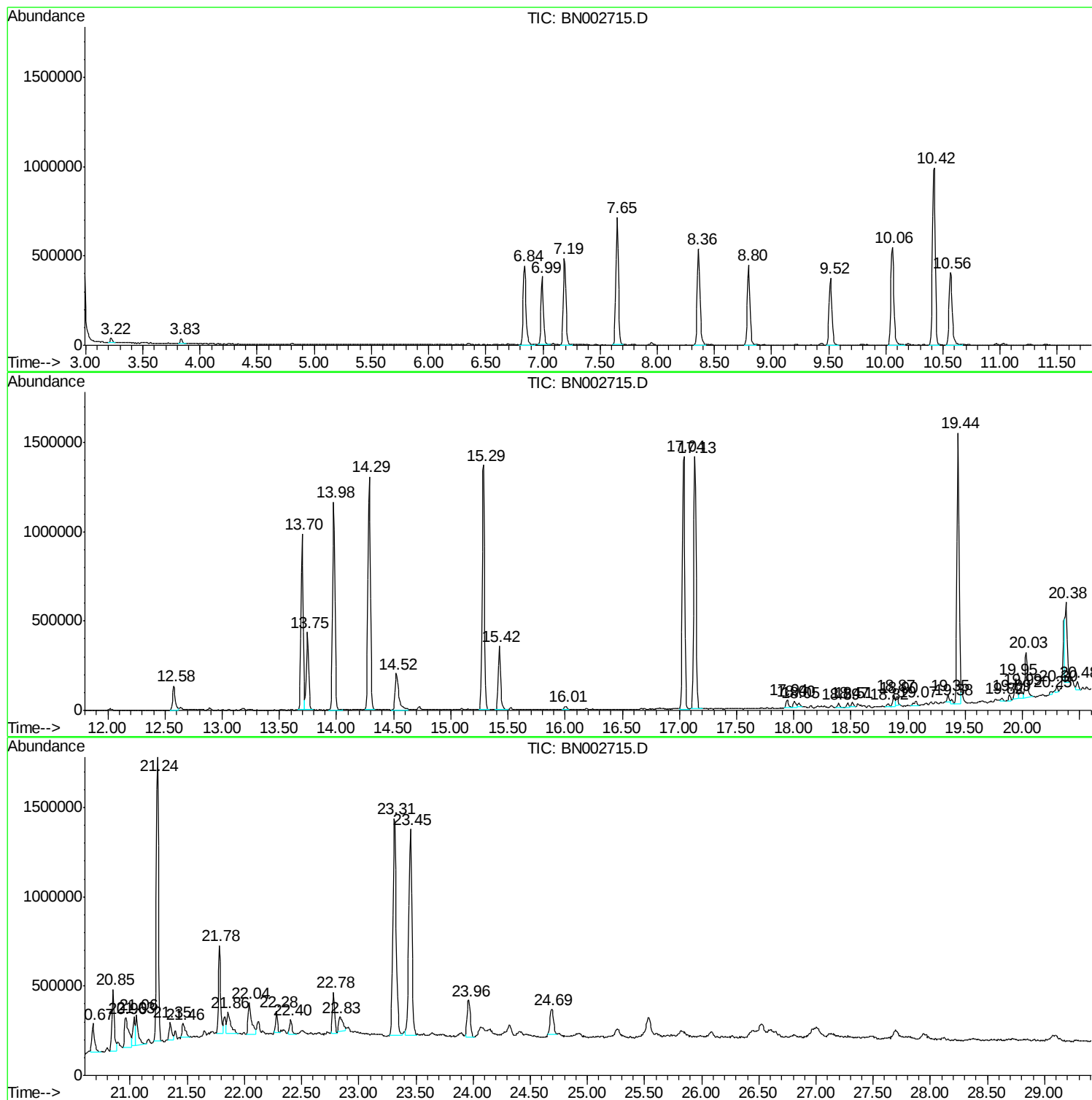
Sum of corrected areas: 37531479

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091418\  
Data File : BN002715.D  
Acq On : 15 Sep 2018 06:35  
Operator : JU/SJ  
Sample : J4865-21  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DB3P9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091418\  
Data File : BN002715.D  
Acq On : 15 Sep 2018 06:35  
Operator : JU/SJ  
Sample : J4865-21  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

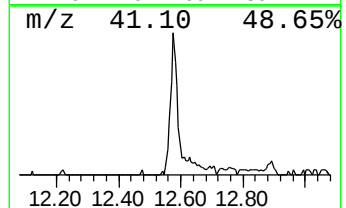
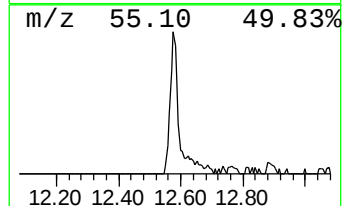
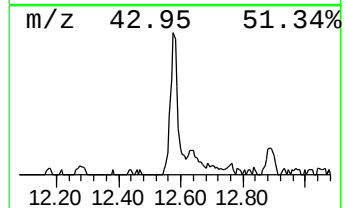
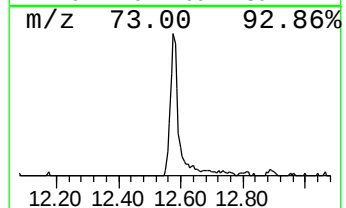
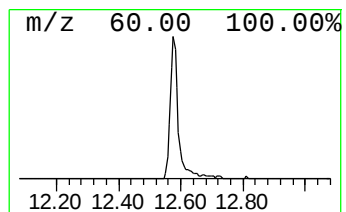
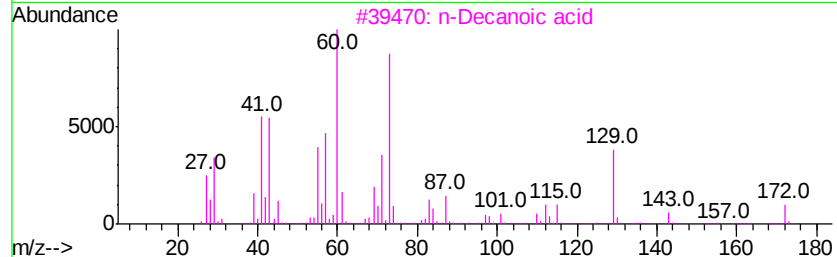
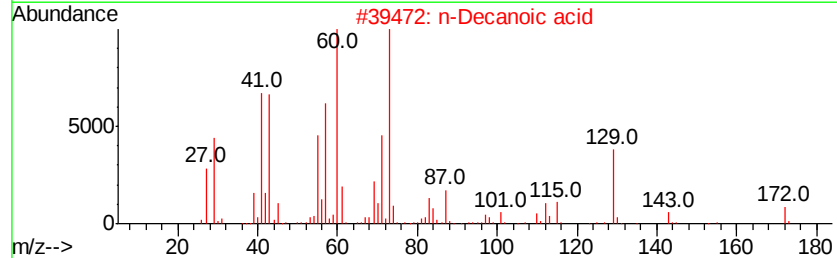
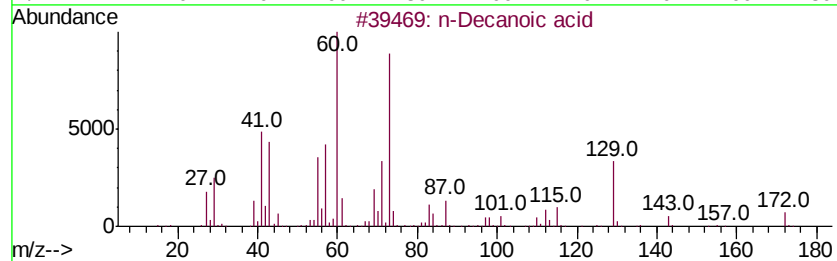
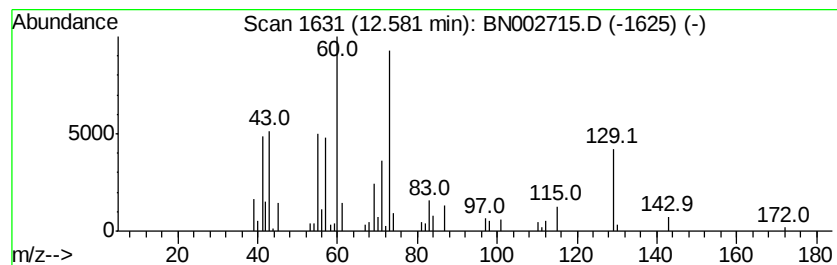
Instrument :  
BNA\_N  
ClientSampleId :  
DB3P9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 n-Decanoic acid Concentration Rank 13

| R.T.    | EstConc                        | Area           | Relative to ISTD | R.T.      |
|---------|--------------------------------|----------------|------------------|-----------|
| 12.58   | 2.17 ng/ul                     | 217485         | Acenaphthene-d10 | 14.29     |
| Hit# of | 5                              | Tentative ID   | MW MolForm       | CAS# Qual |
| 1       | n-Decanoic acid                | 172 C10H20O2   | 000334-48-5      | 90        |
| 2       | n-Decanoic acid                | 172 C10H20O2   | 000334-48-5      | 86        |
| 3       | n-Decanoic acid                | 172 C10H20O2   | 000334-48-5      | 86        |
| 4       | n-Decanoic acid                | 172 C10H20O2   | 000334-48-5      | 64        |
| 5       | Decanoic acid, silver(1+) salt | 278 C10H19AgO2 | 013126-67-5      | 58        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091418\  
Data File : BN002715.D  
Acq On : 15 Sep 2018 06:35  
Operator : JU/SJ  
Sample : J4865-21  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DB3P9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

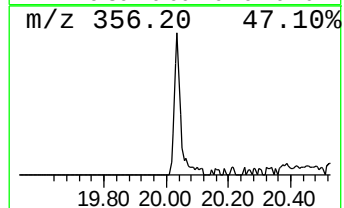
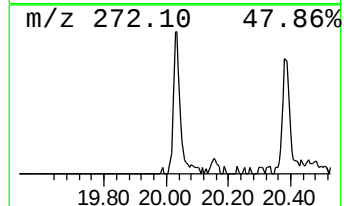
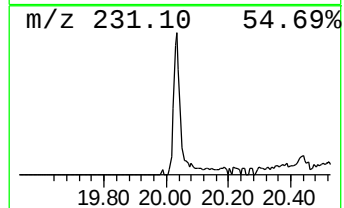
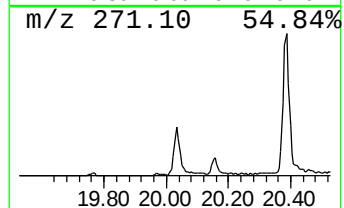
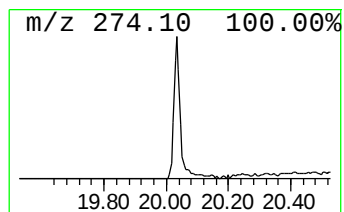
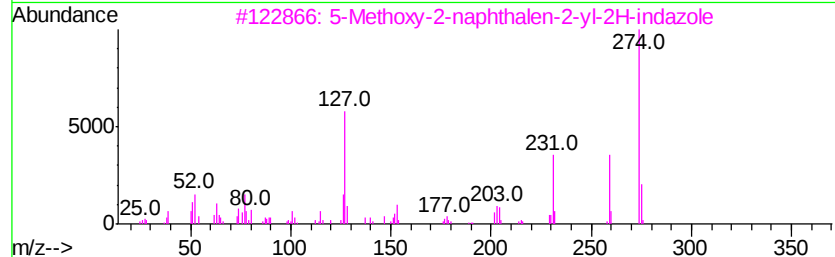
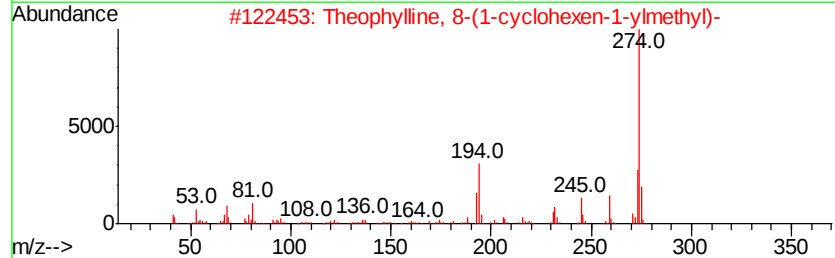
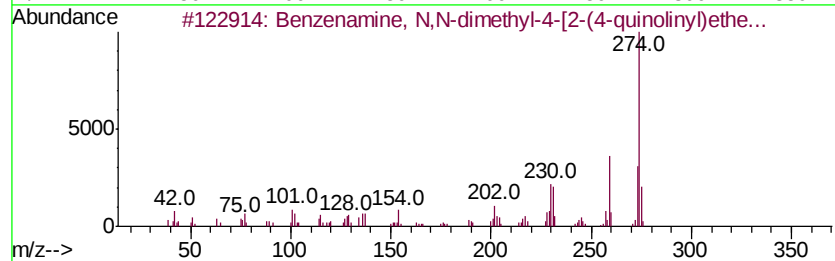
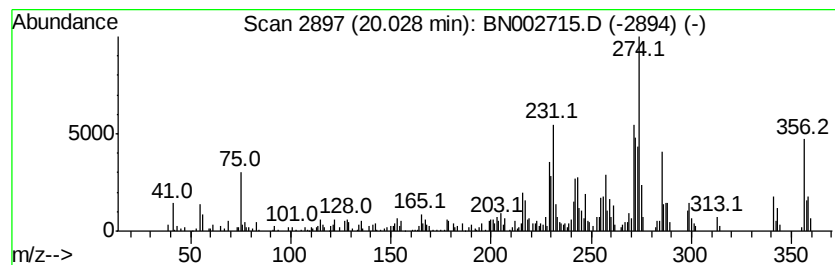
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 unknown-01 Concentration Rank 7

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.03 | 3.56 ng/ul | 360657 | Chrysene-d12     | 21.24 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | Benzenamine, N,N-dimethyl-4-[2-(... | 274 | C19H18N2   | 000897-55-2  | 46   |
| 2    |    | Theophylline, 8-(1-cyclohexen-1-... | 274 | C14H18N4O2 | 074039-69-3  | 38   |
| 3    |    | 5-Methoxy-2-naphthalen-2-yl-2H-i... | 274 | C18H14N2O  | 1000189-86-5 | 22   |
| 4    |    | 4,6-Diamino-3-[4-chlorophenyl]-1... | 274 | C12H11ClN6 | 058791-68-7  | 22   |
| 5    |    | Octahydroxanthene-1,9-dione, 10-... | 318 | C18H22O5   | 037797-11-8  | 22   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091418\  
Data File : BN002715.D  
Acq On : 15 Sep 2018 06:35  
Operator : JU/SJ  
Sample : J4865-21  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DB3P9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

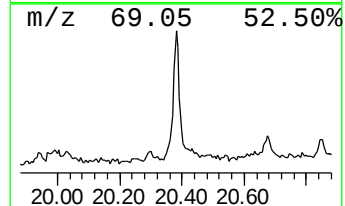
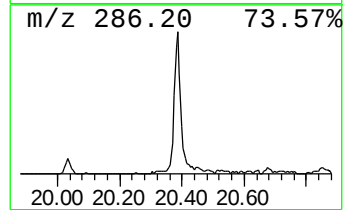
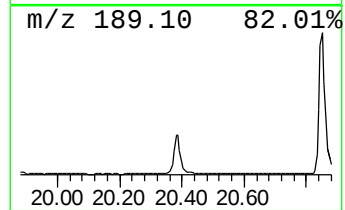
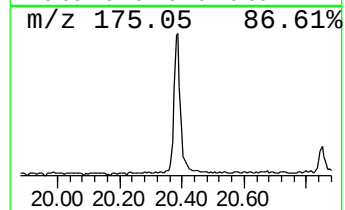
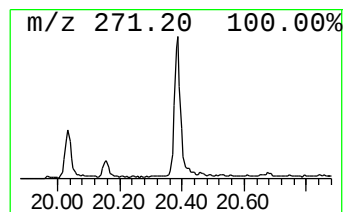
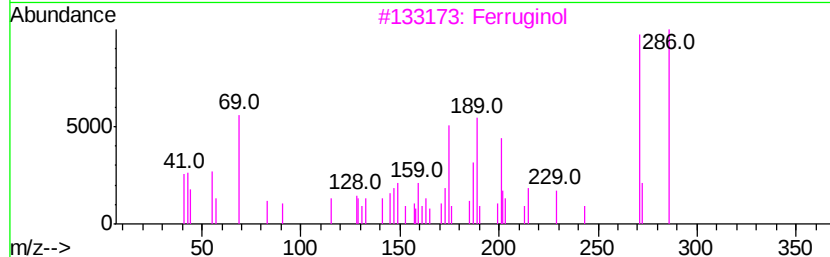
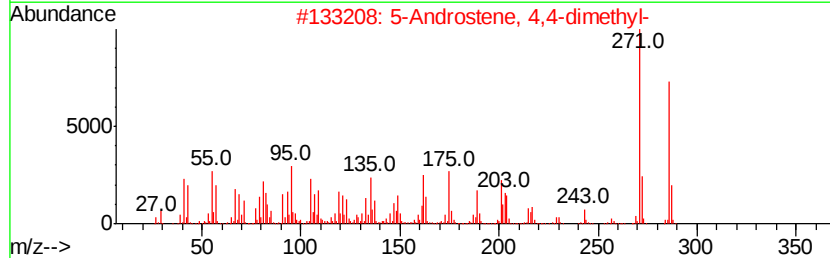
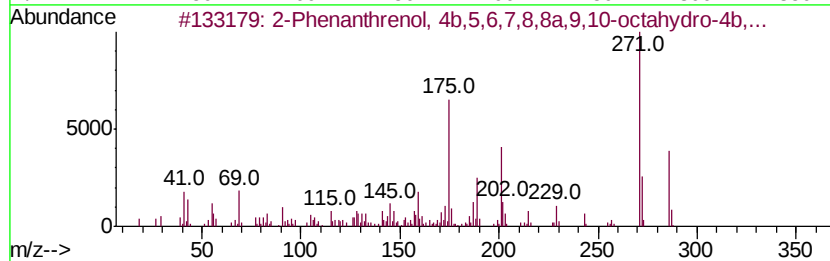
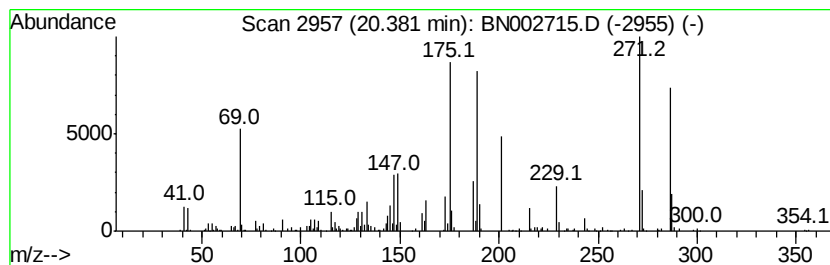
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 unknown-02 Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.38 | 5.54 ng/ul | 560252 | Chrysene-d12     | 21.24 |

| Hit# | of                                  | 5                  | Tentative ID | MW         | MolForm      | CAS# | Qual |
|------|-------------------------------------|--------------------|--------------|------------|--------------|------|------|
| 1    | 2-Phenanthrenol,                    | 4b,5,6,7,8,8a,9... | 286          | C20H30O    | 000511-15-9  | 47   |      |
| 2    | 5-Androstene,                       | 4,4-dimethyl-      | 286          | C21H34     | 1000194-15-4 | 46   |      |
| 3    | Ferruginol                          |                    | 286          | C20H30O    | 000514-62-5  | 43   |      |
| 4    | 5.beta.-Pregn-11-ene                |                    | 286          | C21H34     | 006673-73-0  | 41   |      |
| 5    | 1-Methoxyethyl-4,8-dimethoxy-9H-... |                    | 286          | C16H18N2O3 | 082652-19-5  | 27   |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN091418\  
Data File : BN002715.D  
Acq On : 15 Sep 2018 06:35  
Operator : JU/SJ  
Sample : J4865-21  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DB3P9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

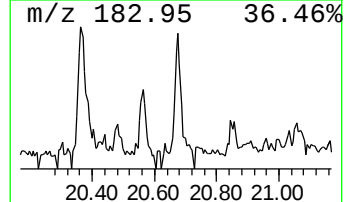
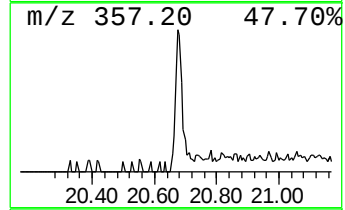
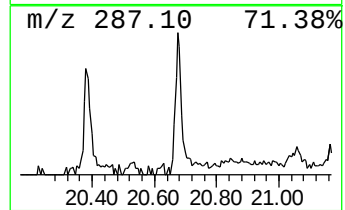
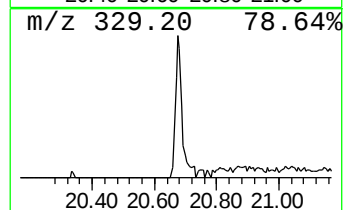
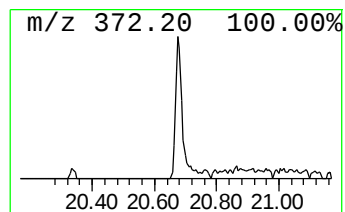
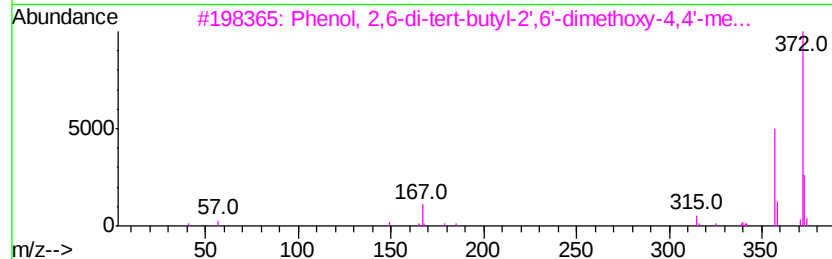
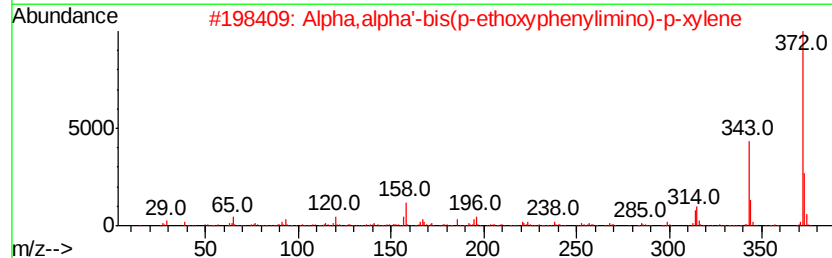
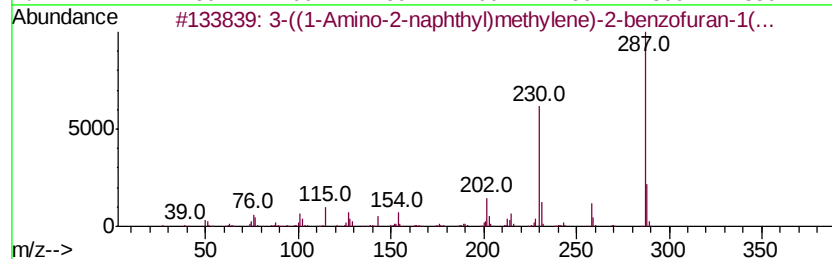
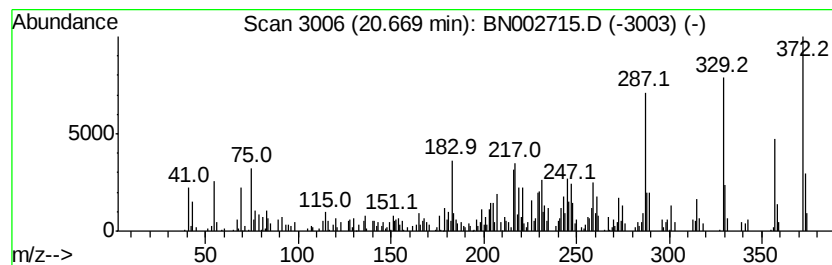
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 unknown-03 Concentration Rank 12

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.67 | 2.42 ng/ul | 244399 | Chrysene-d12     | 21.24 |

| Hit# | of | Tentative ID                         | MW  | MolForm    | CAS#         | Qual |
|------|----|--------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 3-((1-Amino-2-naphthyl)methylene...  | 287 | C19H13NO2  | 1000332-19-1 | 25   |
| 2    |    | Alpha, alpha'-bis(p-ethoxyphenyli... | 372 | C24H24N2O2 | 017696-60-5  | 25   |
| 3    |    | Phenol, 2,6-di-tert-butyl-2',6'-...  | 372 | C23H32O4   | 020690-83-9  | 25   |
| 4    |    | Silane, dimethyl(2-pentylloxypen...  | 372 | C22H48O2Si | 1000346-86-7 | 22   |
| 5    |    | Silane, dimethyl(4-phenoxybenzyl...  | 372 | C22H32O3Si | 1000347-40-3 | 20   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091418\  
Data File : BN002715.D  
Acq On : 15 Sep 2018 06:35  
Operator : JU/SJ  
Sample : J4865-21  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DB3P9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

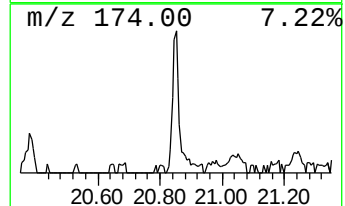
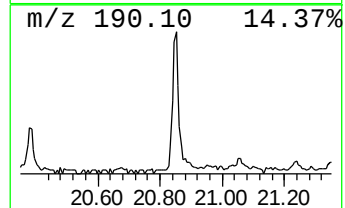
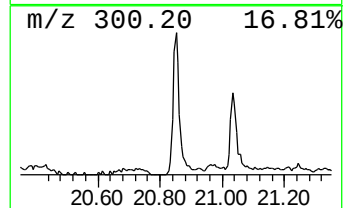
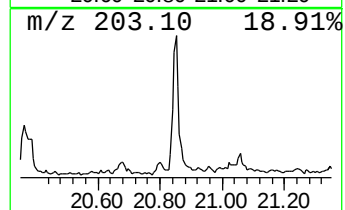
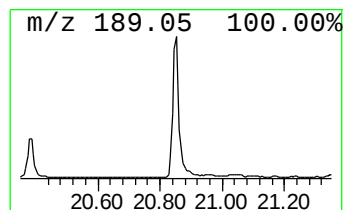
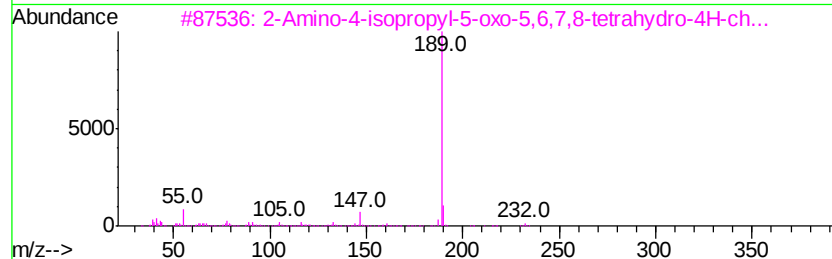
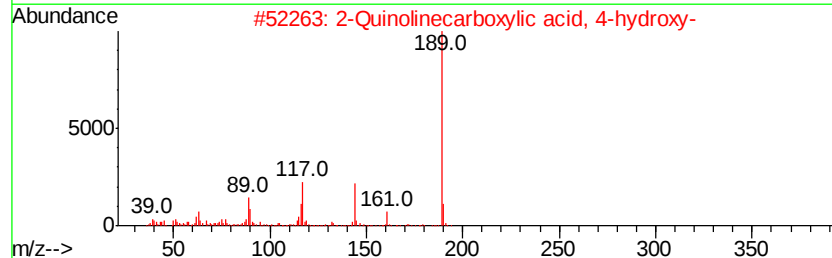
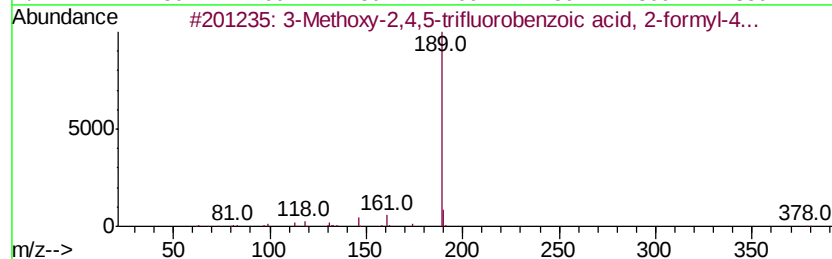
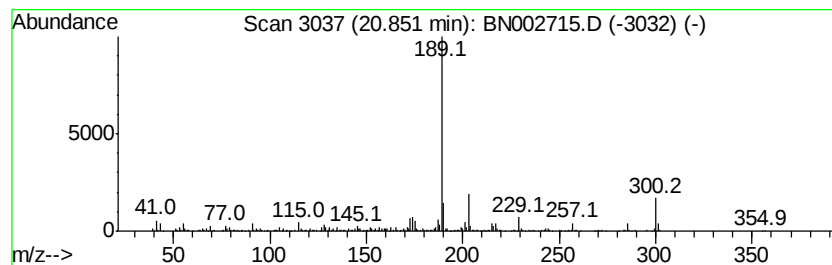
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 3-Methoxy-2,4,5-trifluorobe... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.85 | 5.00 ng/ul | 506076 | Chrysene-d12     | 21.24 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm      | CAS#         | Qual |
|---------|---|-------------------------------------|-----|--------------|--------------|------|
| 1       |   | 3-Methoxy-2,4,5-trifluorobenzoic... | 378 | C15H7Cl2F3O4 | 1000331-59-5 | 50   |
| 2       |   | 2-Quinolinecarboxylic acid, 4-hy... | 189 | C10H7NO3     | 000492-27-3  | 40   |
| 3       |   | 2-Amino-4-isopropyl-5-oxo-5,6,7,... | 232 | C13H16N2O2   | 302785-66-6  | 40   |
| 4       |   | Cobalt, .eta.5-cyclopentadienyl-... | 244 | C14H17Co     | 094791-70-5  | 40   |
| 5       |   | Butyrophenone, 4'-tert-butyl-2',... | 232 | C16H24O      | 001703-90-8  | 40   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN091418\  
Data File : BN002715.D  
Acq On : 15 Sep 2018 06:35  
Operator : JU/SJ  
Sample : J4865-21  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DB3P9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

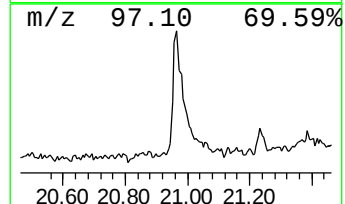
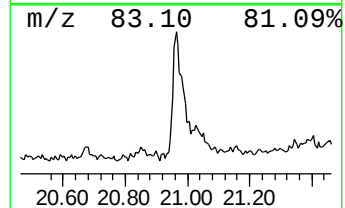
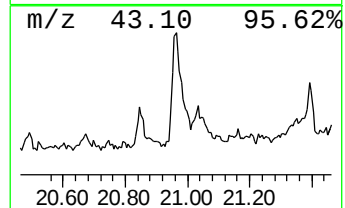
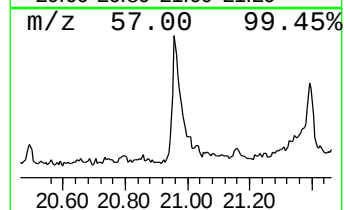
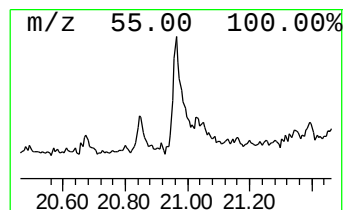
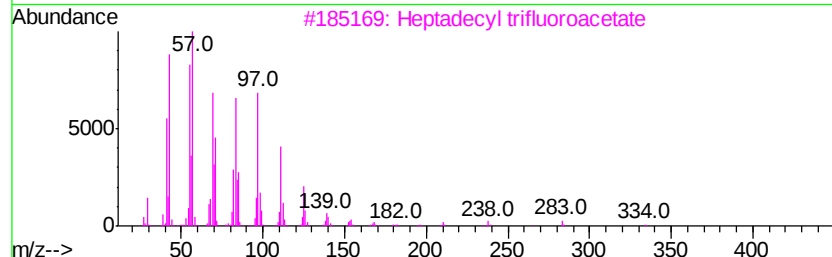
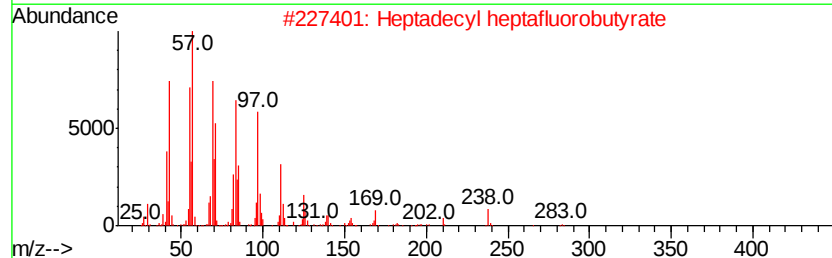
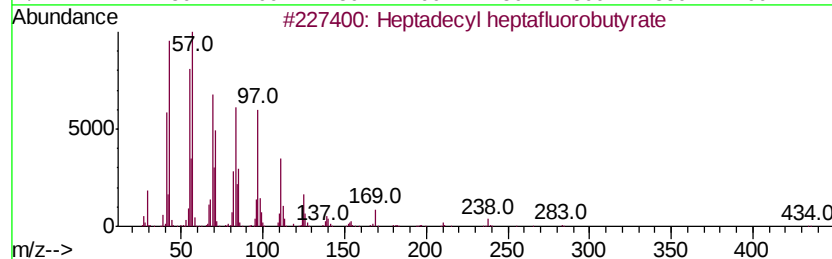
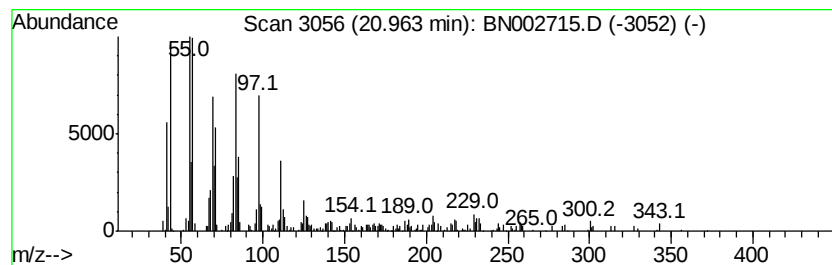
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Heptadecyl heptafluorobutyrate Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.96 | 4.01 ng/ul | 405942 | Chrysene-d12     | 21.24 |

| Hit# | of | Tentative ID                             | MW  | MolForm     | CAS#         | Qual |
|------|----|------------------------------------------|-----|-------------|--------------|------|
| 1    | 5  | Heptadecyl heptafluorobutyrate           | 452 | C21H35F7O2  | 959085-66-6  | 93   |
| 2    |    | Heptadecyl heptafluorobutyrate           | 452 | C21H35F7O2  | 959085-66-6  | 93   |
| 3    |    | Heptadecyl trifluoroacetate              | 352 | C19H35F3O2  | 1000351-87-0 | 90   |
| 4    |    | Pentafluoropropionic acid, octadecyl ... | 416 | C21H37F5O2  | 959261-25-7  | 90   |
| 5    |    | Trichloroacetic acid, hexadecyl ...      | 386 | C18H33Cl3O2 | 074339-54-1  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN091418\  
Data File : BN002715.D  
Acq On : 15 Sep 2018 06:35  
Operator : JU/SJ  
Sample : J4865-21  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

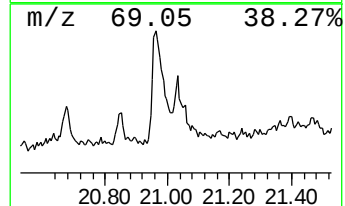
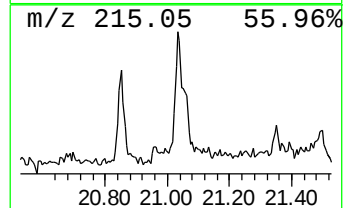
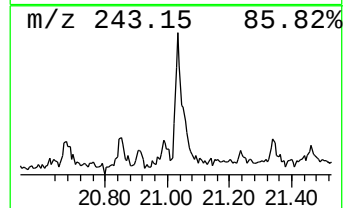
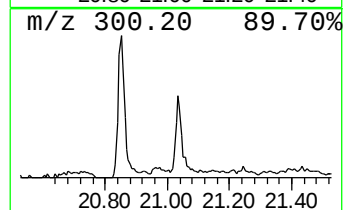
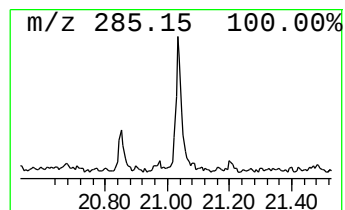
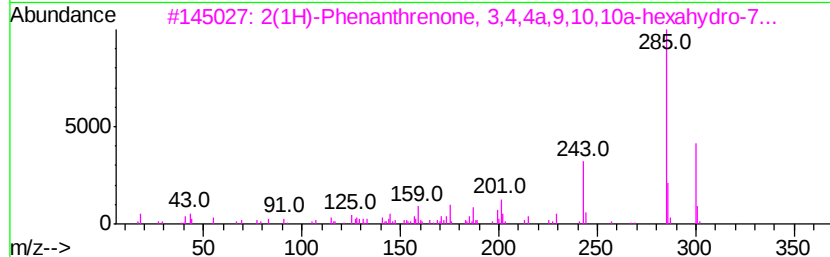
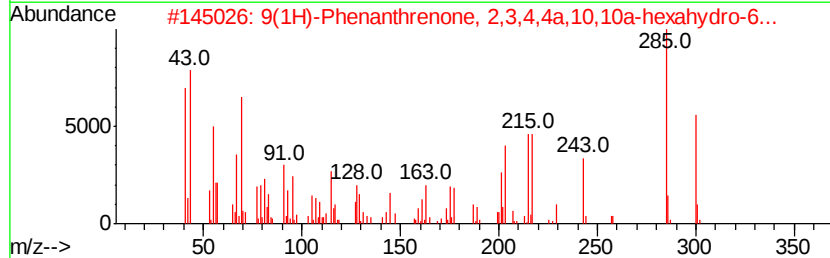
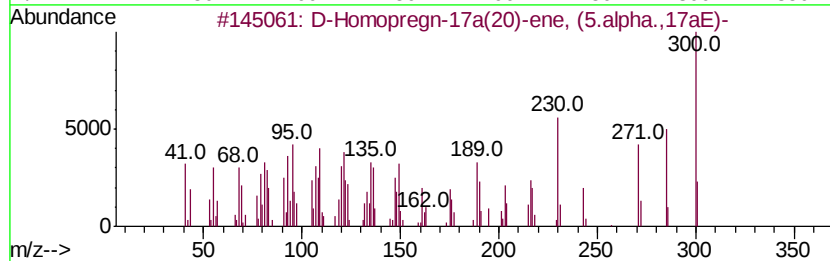
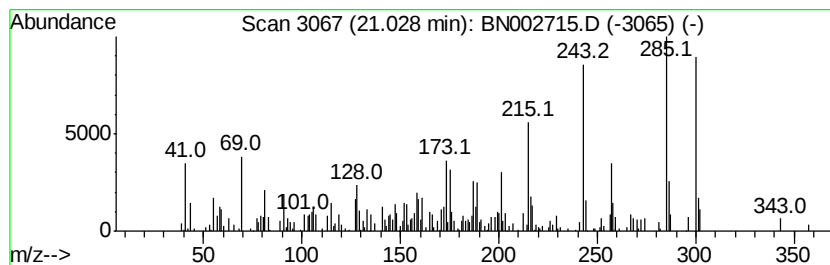
Instrument :  
BNA\_N  
ClientSampleId :  
DB3P9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 7 D-Homopregn-17a(20)-ene, (5... Concentration Rank 14

| R.T.    | EstConc    | Area                                 | Relative to ISTD | R.T.     |             |      |
|---------|------------|--------------------------------------|------------------|----------|-------------|------|
| 21.03   | 2.08 ng/ul | 210520                               | Chrysene-d12     | 21.24    |             |      |
| Hit# of | 5          | Tentative ID                         | MW               | MolForm  | CAS#        | Qual |
| 1       |            | D-Homopregn-17a(20)-ene, (5.alpha... | 300              | C22H36   | 054482-44-9 | 95   |
| 2       |            | 9(1H)-Phenanthrenone, 2,3,4,4a,1...  | 300              | C20H28O2 | 000511-05-7 | 80   |
| 3       |            | 2(1H)-Phenanthrenone, 3,4,4a,9,1...  | 300              | C20H28O2 | 006755-93-7 | 64   |
| 4       |            | 9(1H)-Phenanthrenone, 2,3,4,4a,1...  | 300              | C20H28O2 | 000511-05-7 | 62   |
| 5       |            | 2(1H)-Phenanthrenone, 3,4,4a,9,1...  | 300              | C20H28O2 | 000472-37-7 | 58   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091418\  
Data File : BN002715.D  
Acq On : 15 Sep 2018 06:35  
Operator : JU/SJ  
Sample : J4865-21  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DB3P9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

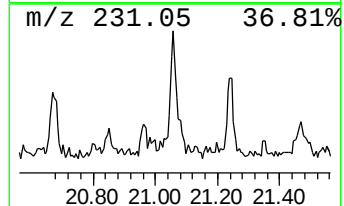
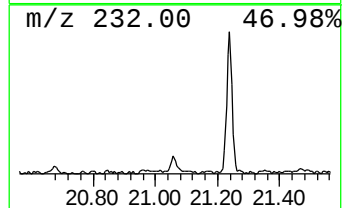
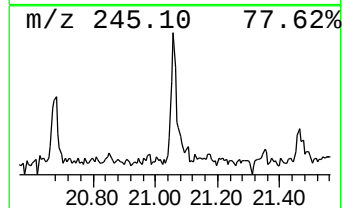
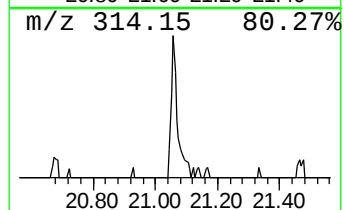
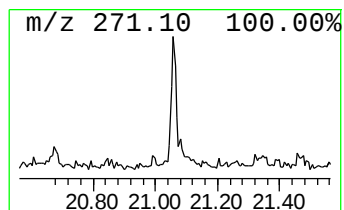
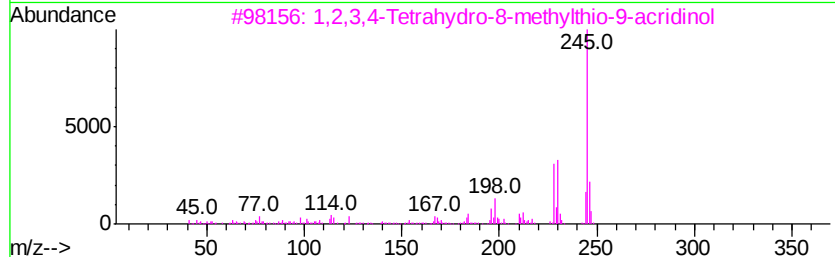
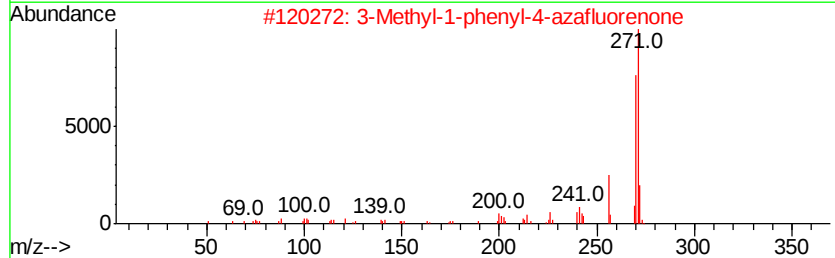
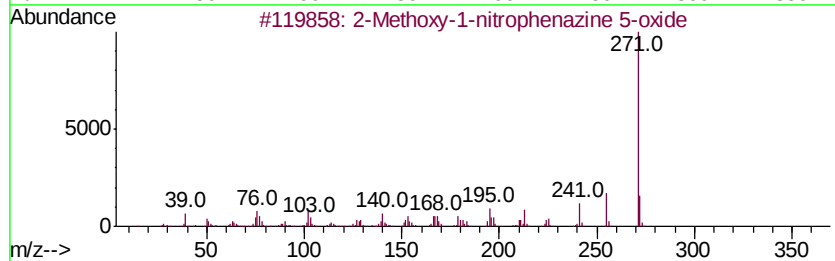
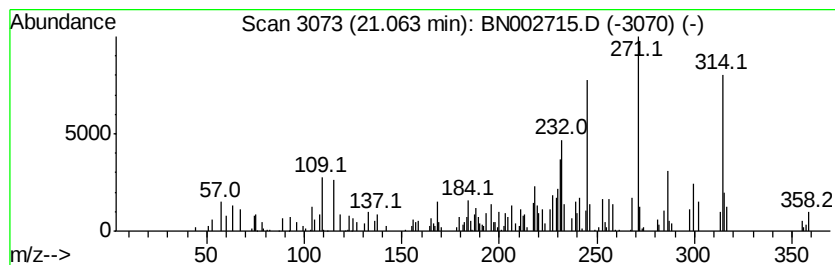
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 8 unknown-04 Concentration Rank 11

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.06 | 2.48 ng/ul | 251242 | Chrysene-d12     | 21.24 |

| Hit# | of                                  | 5   | Tentative ID | MW           | MolForm | CAS# | Qual |
|------|-------------------------------------|-----|--------------|--------------|---------|------|------|
| 1    | 2-Methoxy-1-nitrophenazine 5-oxide  | 271 | C13H9N3O4    | 1000240-09-5 | 25      |      |      |
| 2    | 3-Methyl-1-phenyl-4-azafluorenone   | 271 | C19H13NO     | 062578-46-5  | 25      |      |      |
| 3    | 1,2,3,4-Tetrahydro-8-methylthio-... | 245 | C14H15NOS    | 1000257-08-7 | 25      |      |      |
| 4    | Morphinan-6-ol, 4,5-epoxy-N-meth... | 271 | C17H21NO2    | 055592-68-2  | 25      |      |      |
| 5    | 2,2-Bis(4'-methoxyphenyl)-2-etho... | 286 | C18H22O3     | 1000283-53-7 | 18      |      |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091418\  
Data File : BN002715.D  
Acq On : 15 Sep 2018 06:35  
Operator : JU/SJ  
Sample : J4865-21  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

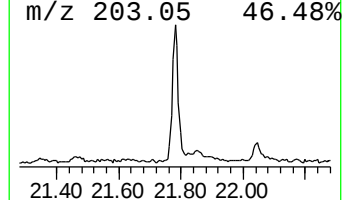
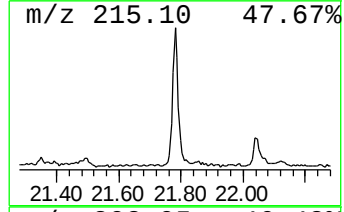
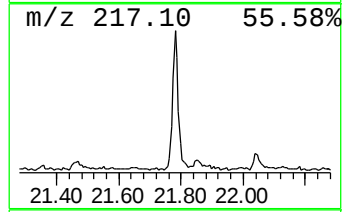
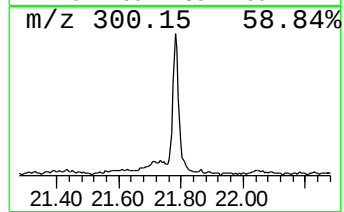
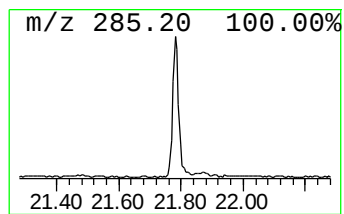
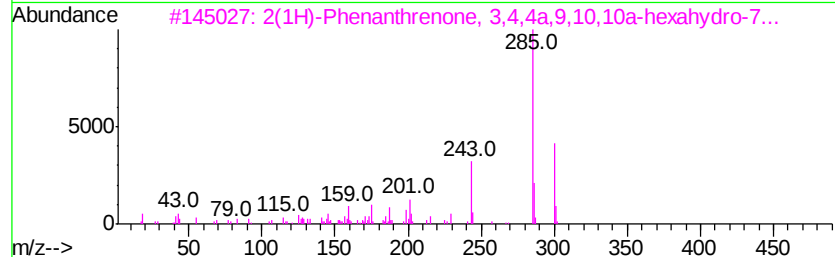
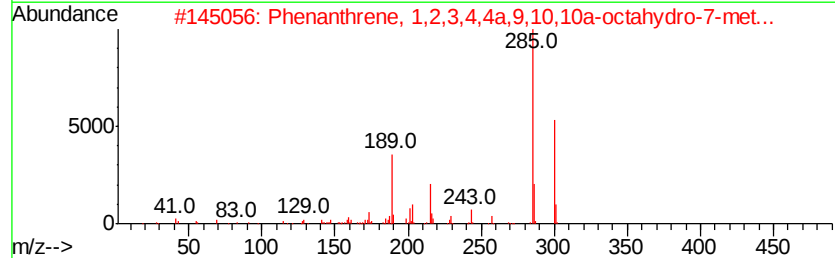
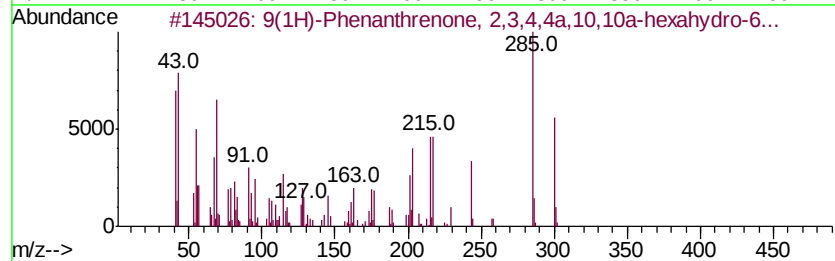
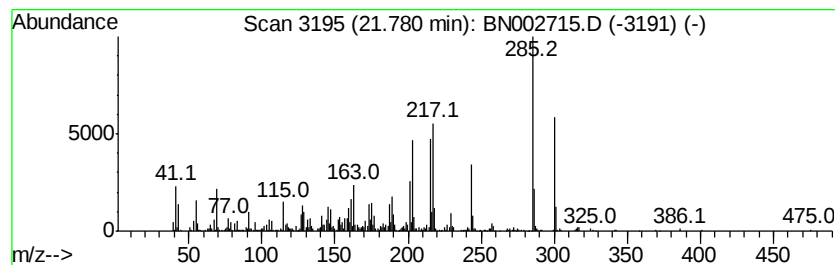
Instrument :  
BNA\_N  
ClientSampleId :  
DB3P9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 9 9(1H)-Phenanthrenone, 2,3,4... Concentration Rank 1

| R.T.    | EstConc                             | Area         | Relative to ISTD | R.T.        |      |      |
|---------|-------------------------------------|--------------|------------------|-------------|------|------|
| 21.78   | 6.52 ng/ul                          | 659483       | Chrysene-d12     | 21.24       |      |      |
| Hit# of | 5                                   | Tentative ID | MW               | MolForm     | CAS# | Qual |
| 1       | 9(1H)-Phenanthrenone, 2,3,4,4a,1... | 300          | C20H28O2         | 000511-05-7 | 94   |      |
| 2       | Phenanthrene, 1,2,3,4,4a,9,10,10... | 300          | C21H32O          | 015340-83-7 | 78   |      |
| 3       | 2(1H)-Phenanthrenone, 3,4,4a,9,1... | 300          | C20H28O2         | 006755-93-7 | 70   |      |
| 4       | Phenanthrene, 1,2,3,4,4a,9,10,10... | 300          | C21H32O          | 010064-26-3 | 64   |      |
| 5       | Podocarpa-8,11,13-trien-3-one, 1... | 342          | C22H30O3         | 018468-20-7 | 43   |      |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091418\  
Data File : BN002715.D  
Acq On : 15 Sep 2018 06:35  
Operator : JU/SJ  
Sample : J4865-21  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DB3P9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

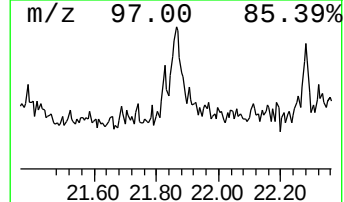
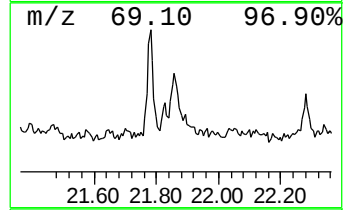
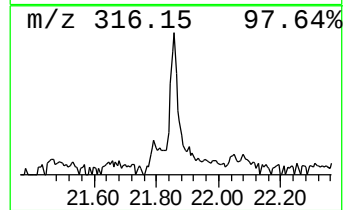
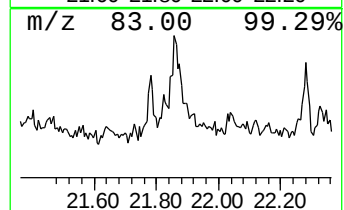
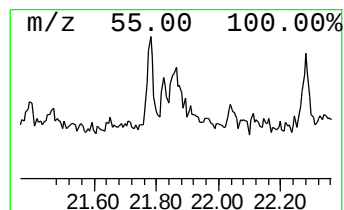
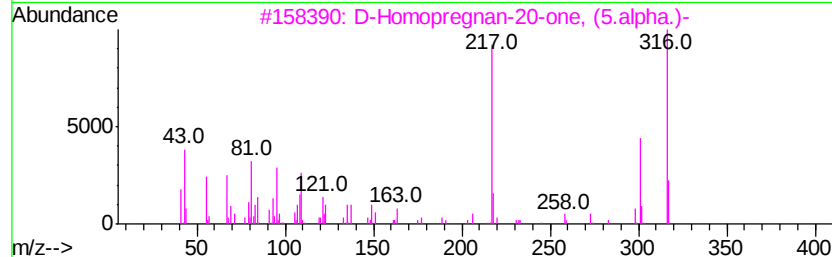
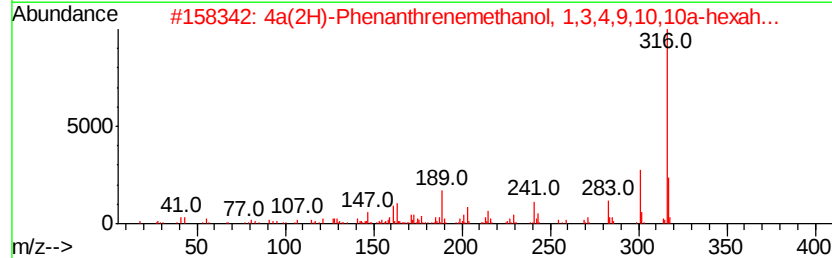
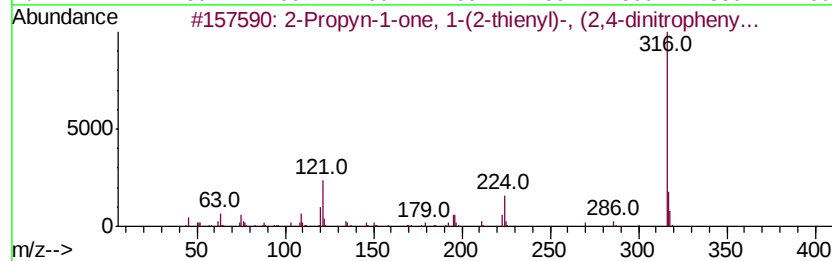
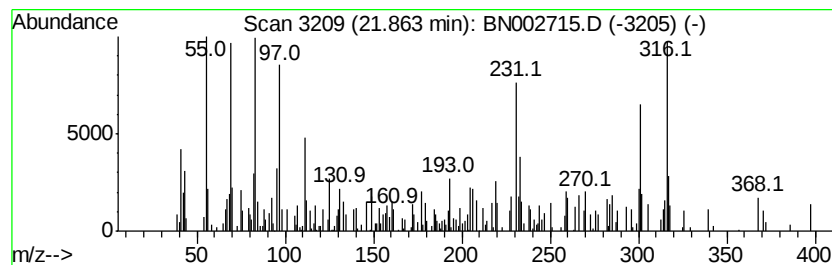
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 10 unknown-05 Concentration Rank 9

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.86 | 2.79 ng/ul | 282205 | Chrysene-d12     | 21.24 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|------|----|-------------------------------------|-----|------------|--------------|------|
| 1    | 5  | 2-Propyn-1-one, 1-(2-thienyl)-, ... | 316 | C13H8N4O4S | 056588-20-6  | 35   |
| 2    |    | 4a(2H)-Phenanthrenemethanol, 1,3... | 316 | C21H32O2   | 057397-36-1  | 30   |
| 3    |    | D-Homopregnan-20-one, (5.alpha.)-   | 316 | C22H36O    | 032318-95-9  | 30   |
| 4    |    | 2-(4-Methoxy-2,6-dimethylphenyl)... | 316 | C21H20N2O  | 1000191-33-1 | 27   |
| 5    |    | 2-Phenanthrenol, 1,2,3,4,4a,9,10... | 316 | C21H32O2   | 077059-03-1  | 22   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091418\  
Data File : BN002715.D  
Acq On : 15 Sep 2018 06:35  
Operator : JU/SJ  
Sample : J4865-21  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

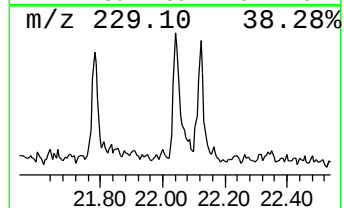
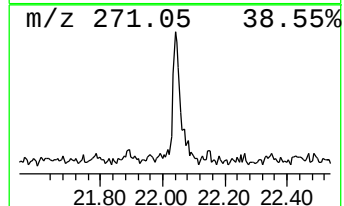
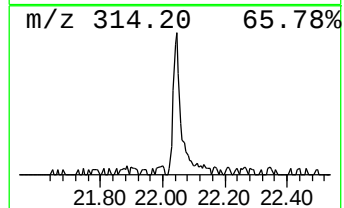
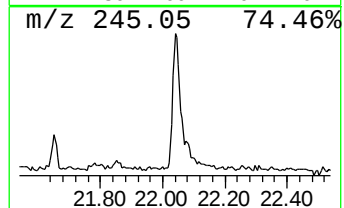
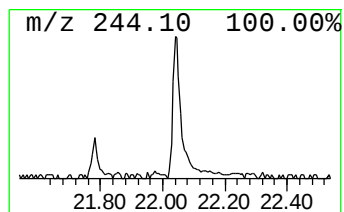
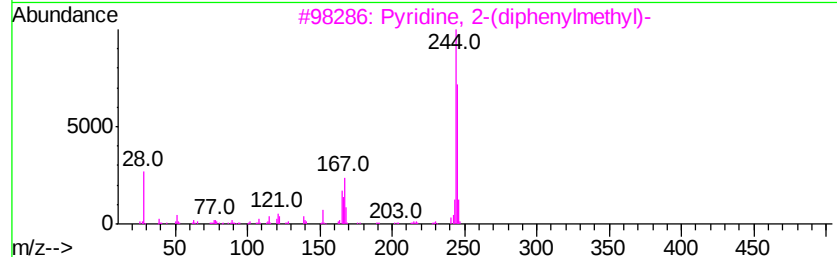
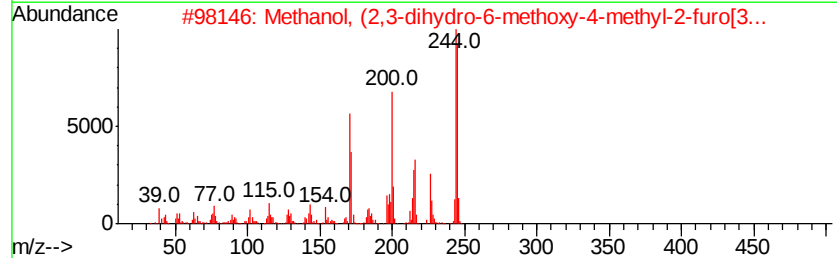
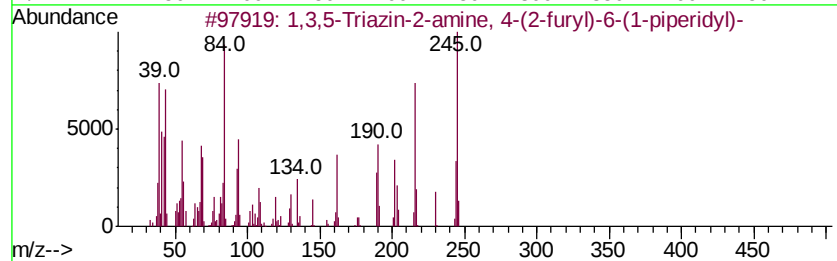
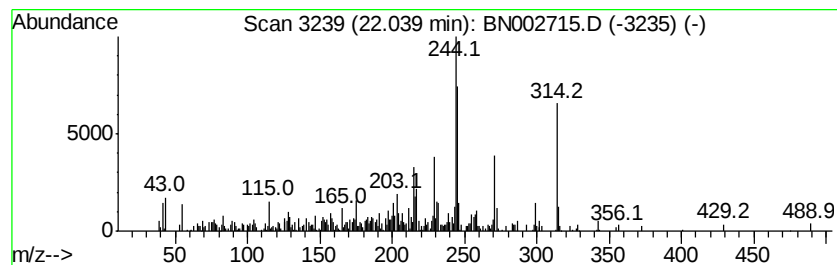
Instrument :  
BNA\_N  
ClientSampleId :  
DB3P9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 11 1,3,5-Triazin-2-amine, 4-(2... Concentration Rank 6

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 22.04     | 3.64 ng/ul                          | 367931 | Chrysene-d12     | 21.24        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | 1,3,5-Triazin-2-amine, 4-(2-furv... | 245    | C12H15N5O        | 148403-53-6  | 90   |
| 2         | Methanol, (2,3-dihydro-6-methoxy... | 245    | C14H15N03        | 1000269-61-1 | 45   |
| 3         | Pvridine, 2-(diphenylmethvl)-       | 245    | C18H15N          | 003678-70-4  | 45   |
| 4         | Pyridine, 2-(diphenylmethvl)-       | 245    | C18H15N          | 003678-70-4  | 45   |
| 5         | 2,4,5-Triethoxybenzophenone         | 314    | C19H22O4         | 052199-46-9  | 44   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091418\  
Data File : BN002715.D  
Acq On : 15 Sep 2018 06:35  
Operator : JU/SJ  
Sample : J4865-21  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DB3P9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

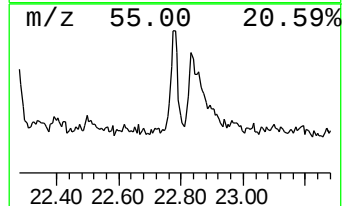
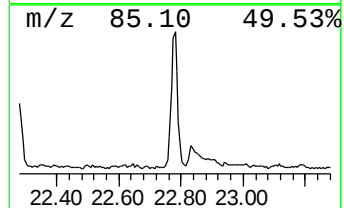
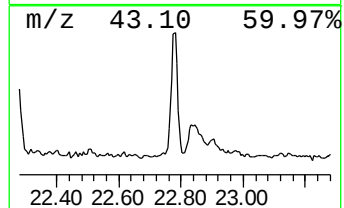
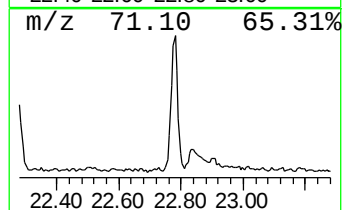
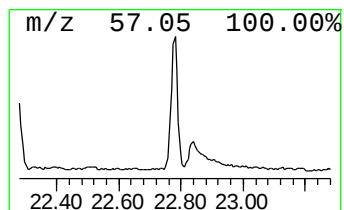
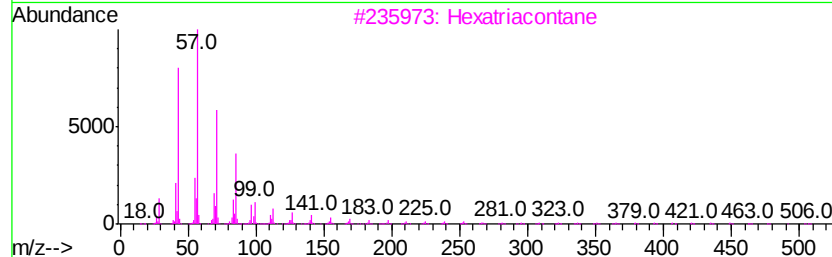
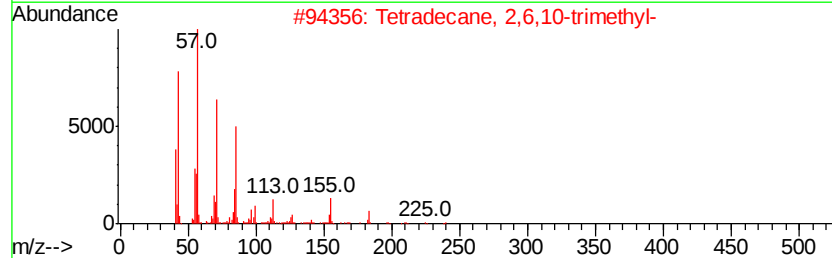
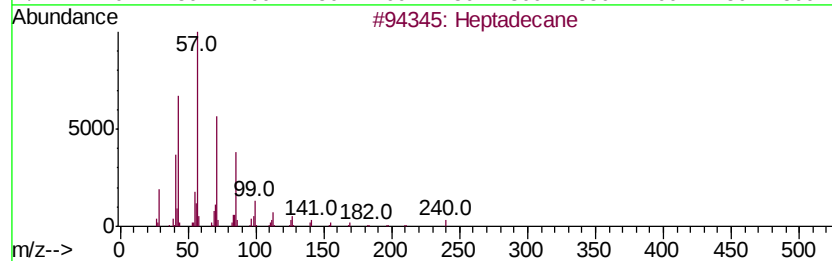
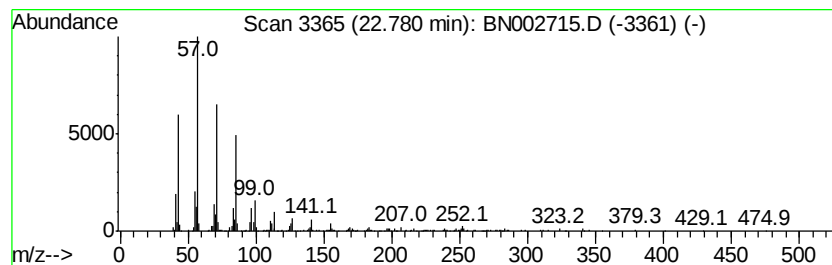
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 22.78 | 2.79 ng/ul | 313891 | Perylene-d12     | 23.45 |

| Hit# | of | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|--------------------------------|-----|---------|-------------|------|
| 1    | 5  | Heptadecane                    | 240 | C17H36  | 000629-78-7 | 93   |
| 2    |    | Tetradecane, 2,6,10-trimethyl- | 240 | C17H36  | 014905-56-7 | 93   |
| 3    |    | Hexatriacontane                | 507 | C36H74  | 000630-06-8 | 91   |
| 4    |    | Heneicosane                    | 296 | C21H44  | 000629-94-7 | 90   |
| 5    |    | Octacosane                     | 394 | C28H58  | 000630-02-4 | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091418\  
Data File : BN002715.D  
Acq On : 15 Sep 2018 06:35  
Operator : JU/SJ  
Sample : J4865-21  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DB3P9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

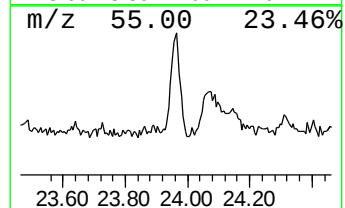
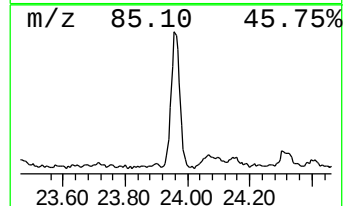
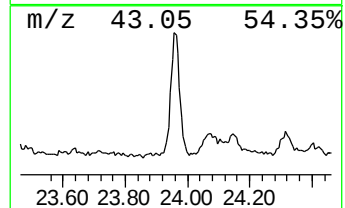
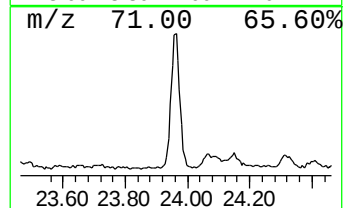
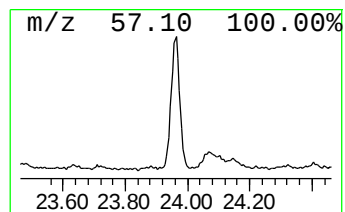
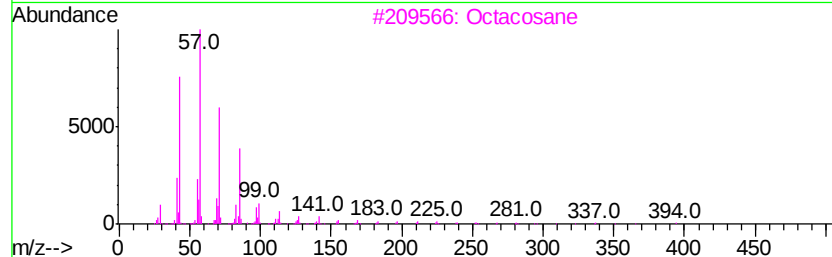
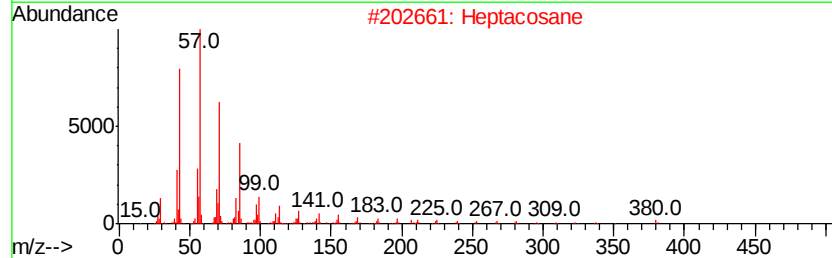
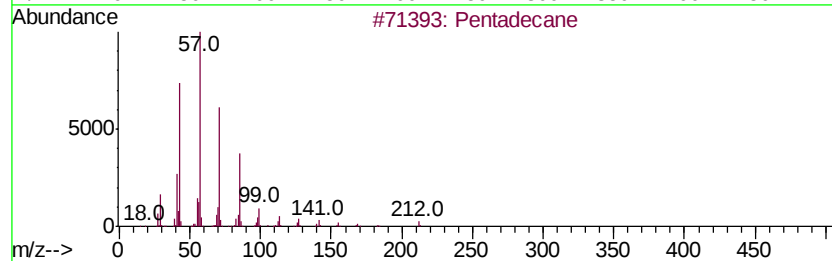
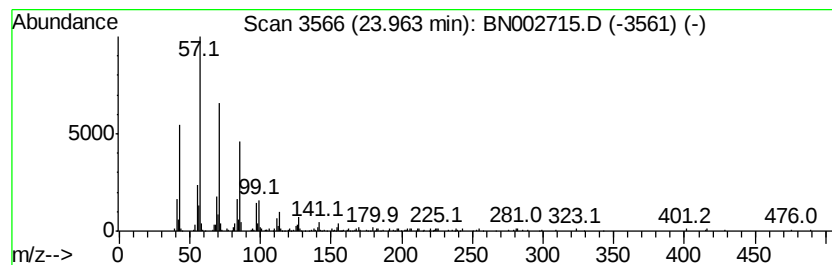
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 23.96 | 3.64 ng/ul | 409251 | Perylene-d12     | 23.45 |

| Hit# | of | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------|-----|---------|-------------|------|
| 1    | 5  | Pentadecane           | 212 | C15H32  | 000629-62-9 | 93   |
| 2    |    | Heptacosane           | 380 | C27H56  | 000593-49-7 | 90   |
| 3    |    | Octacosane            | 394 | C28H58  | 000630-02-4 | 90   |
| 4    |    | Decane, 3,8-dimethyl- | 170 | C12H26  | 017312-55-9 | 87   |
| 5    |    | Heneicosane           | 296 | C21H44  | 000629-94-7 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091418\  
Data File : BN002715.D  
Acq On : 15 Sep 2018 06:35  
Operator : JU/SJ  
Sample : J4865-21  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DB3P9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.M  
Quant Title : SVOA CALIBRATION

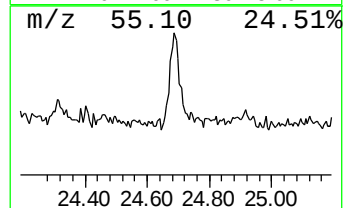
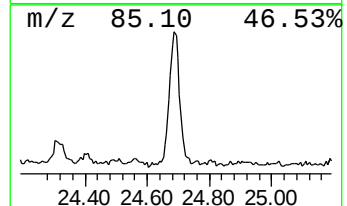
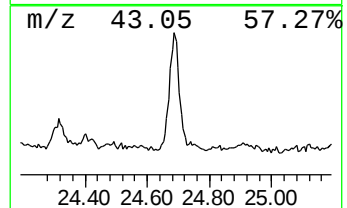
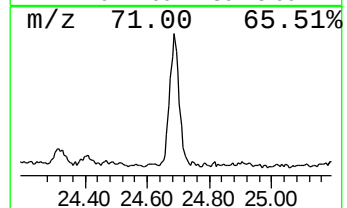
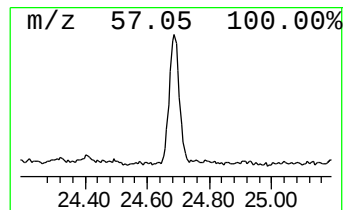
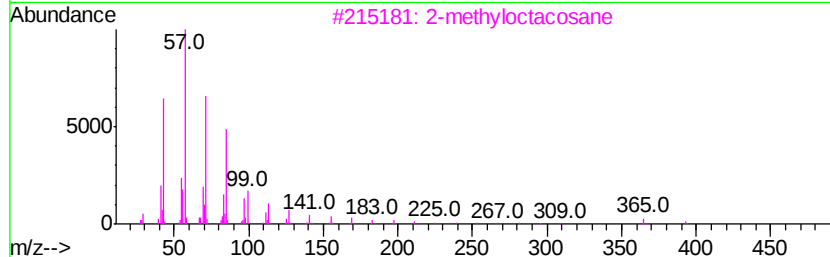
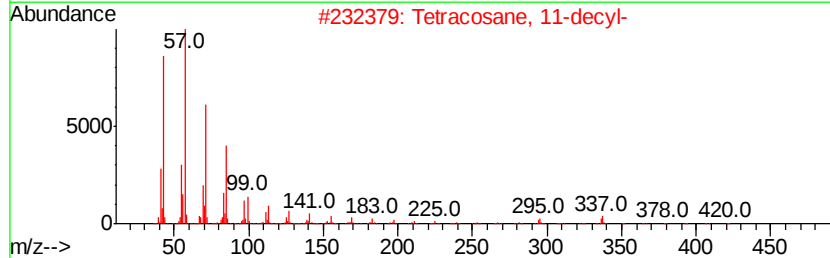
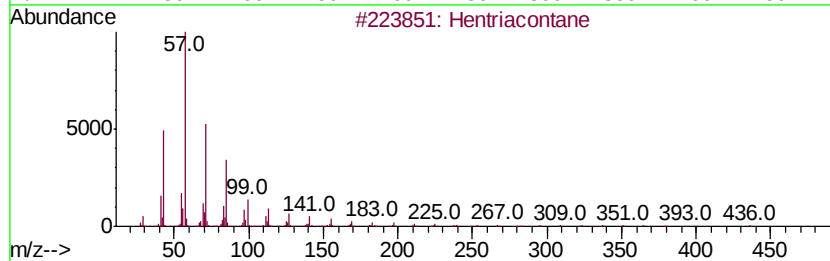
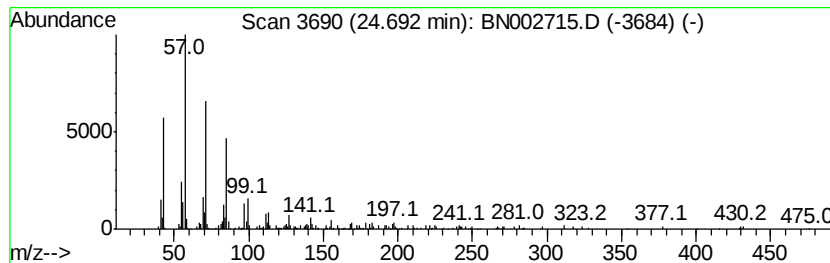
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.69 | 2.65 ng/ul | 297219 | Perylene-d12     | 23.45 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#         | Qual |
|------|----|---|------------------------|-----|---------|--------------|------|
| 1    |    |   | Hentriacontane         | 437 | C31H64  | 000630-04-6  | 90   |
| 2    |    |   | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0  | 90   |
| 3    |    |   | 2-methyloctacosane     | 408 | C29H60  | 1000376-72-8 | 90   |
| 4    |    |   | Tetratetracontane      | 619 | C44H90  | 007098-22-8  | 90   |
| 5    |    |   | Heptadecane, 3-methyl- | 254 | C18H38  | 006418-44-6  | 90   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN091418\  
 Data File : BN002715.D  
 Acq On : 15 Sep 2018 06:35  
 Operator : JU/SJ  
 Sample : J4865-21  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DB3P9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN091418MA.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-Decanoic acid      | 12.58 | 2.2     | ng/ul | 217485   | 3                     | 14.29 | 2007390 | 20.0 |
| unknown-01           | 20.03 | 3.6     | ng/ul | 360657   | 5                     | 21.24 | 2023640 | 20.0 |
| unknown-02           | 20.38 | 5.5     | ng/ul | 560252   | 5                     | 21.24 | 2023640 | 20.0 |
| unknown-03           | 20.67 | 2.4     | ng/ul | 244399   | 5                     | 21.24 | 2023640 | 20.0 |
| 3-Methoxy-2,4,5-t... | 20.85 | 5.0     | ng/ul | 506076   | 5                     | 21.24 | 2023640 | 20.0 |
| Heptadecyl hepta...  | 20.96 | 4.0     | ng/ul | 405942   | 5                     | 21.24 | 2023640 | 20.0 |
| D-Homopregn-17a(2... | 21.03 | 2.1     | ng/ul | 210520   | 5                     | 21.24 | 2023640 | 20.0 |
| unknown-04           | 21.06 | 2.5     | ng/ul | 251242   | 5                     | 21.24 | 2023640 | 20.0 |
| 9(1H)-Phenanthren... | 21.78 | 6.5     | ng/ul | 659483   | 5                     | 21.24 | 2023640 | 20.0 |
| unknown-05           | 21.86 | 2.8     | ng/ul | 282205   | 5                     | 21.24 | 2023640 | 20.0 |
| 1,3,5-Triazin-2-a... | 22.04 | 3.6     | ng/ul | 367931   | 5                     | 21.24 | 2023640 | 20.0 |
| (DEL) Alkane: Str... | 22.78 | 2.8     | ng/ul | 313891   | 6                     | 23.45 | 2247190 | 20.0 |
| (DEL) Alkane: Str... | 23.96 | 3.6     | ng/ul | 409251   | 6                     | 23.45 | 2247190 | 20.0 |
| (DEL) Alkane: Str... | 24.69 | 2.6     | ng/ul | 297219   | 6                     | 23.45 | 2247190 | 20.0 |