

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071918\  
 Data File : BN002088.D  
 Acq On : 20 Jul 2018 00:47  
 Operator : JU/SJ  
 Sample : J4023-03  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 DB1K4

## 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-BN071318MA.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         | 4.857       | 309           | 318         | 324          | rBV3     | 25939          | 50491         | 1.08%           | 0.079%        |
| 2         | 6.881       | 655           | 662         | 679          | rBV      | 731738         | 1269699       | 27.27%          | 1.984%        |
| 3         | 7.040       | 683           | 689         | 700          | rBV      | 593391         | 896552        | 19.26%          | 1.401%        |
| 4         | 7.240       | 716           | 723         | 733          | rBV      | 732658         | 1188888       | 25.53%          | 1.858%        |
| 5         | 7.698       | 794           | 801         | 810          | rBV      | 970084         | 1566146       | 33.64%          | 2.447%        |
| 6         | 8.404       | 914           | 921         | 933          | rBV      | 927881         | 1522219       | 32.69%          | 2.378%        |
| 7         | 8.845       | 989           | 996         | 1007         | rBV      | 734052         | 1223634       | 26.28%          | 1.912%        |
| 8         | 9.563       | 1111          | 1118        | 1127         | rBV      | 630741         | 1044568       | 22.43%          | 1.632%        |
| 9         | 10.098      | 1202          | 1209        | 1226         | rBV      | 944504         | 1632225       | 35.06%          | 2.550%        |
| 10        | 10.475      | 1266          | 1273        | 1281         | rBV      | 1487662        | 2477948       | 53.22%          | 3.872%        |
| 11        | 10.610      | 1287          | 1296        | 1315         | rBV      | 829582         | 1471285       | 31.60%          | 2.299%        |
| 12        | 13.163      | 1724          | 1730        | 1737         | rBV      | 111917         | 168737        | 3.62%           | 0.264%        |
| 13        | 13.381      | 1761          | 1767        | 1776         | rVB      | 458643         | 676666        | 14.53%          | 1.057%        |
| 14        | 13.745      | 1822          | 1829        | 1833         | rBV      | 1727039        | 2444362       | 52.50%          | 3.819%        |
| 15        | 13.792      | 1833          | 1837        | 1848         | rVB      | 699294         | 966213        | 20.75%          | 1.510%        |
| 16        | 14.022      | 1869          | 1876        | 1883         | rBV      | 2032371        | 2984086       | 64.09%          | 4.663%        |
| 17        | 14.333      | 1919          | 1929        | 1937         | rBV2     | 2240384        | 3439579       | 73.87%          | 5.374%        |
| 18        | 14.545      | 1959          | 1965        | 1981         | rBV      | 663405         | 1124028       | 24.14%          | 1.756%        |
| 19        | 15.163      | 2062          | 2070        | 2074         | rBV      | 57775          | 84641         | 1.82%           | 0.132%        |
| 20        | 15.327      | 2092          | 2098        | 2106         | rVB      | 2612940        | 3735538       | 80.23%          | 5.837%        |
| 21        | 15.451      | 2112          | 2119        | 2132         | rBV      | 769539         | 1108017       | 23.80%          | 1.731%        |
| 22        | 16.027      | 2212          | 2217        | 2222         | rBV      | 82962          | 128559        | 2.76%           | 0.201%        |
| 23        | 17.080      | 2389          | 2396        | 2403         | rBV      | 2915686        | 4094776       | 87.94%          | 6.398%        |
| 24        | 17.180      | 2406          | 2413        | 2425         | rVB      | 2718368        | 3955876       | 84.96%          | 6.181%        |
| 25        | 17.863      | 2524          | 2529        | 2535         | rBV6     | 23105          | 49085         | 1.05%           | 0.077%        |
| 26        | 17.986      | 2545          | 2550        | 2558         | rBV      | 225263         | 332896        | 7.15%           | 0.520%        |
| 27        | 18.051      | 2558          | 2561        | 2566         | rVB      | 45392          | 67572         | 1.45%           | 0.106%        |
| 28        | 19.145      | 2744          | 2747        | 2752         | rVB2     | 49546          | 58527         | 1.26%           | 0.091%        |
| 29        | 19.398      | 2782          | 2790        | 2796         | rBV      | 1044187        | 1338889       | 28.76%          | 2.092%        |
| 30        | 19.480      | 2796          | 2804        | 2812         | rVV      | 3376967        | 4656098       | 100.00%         | 7.275%        |
| 31        | 19.539      | 2812          | 2814        | 2821         | rVB4     | 35103          | 48310         | 1.04%           | 0.075%        |
| 32        | 19.610      | 2822          | 2826        | 2831         | rVB      | 89641          | 116673        | 2.51%           | 0.182%        |
| 33        | 20.045      | 2896          | 2900        | 2903         | rBV      | 47434          | 53841         | 1.16%           | 0.084%        |
| 34        | 20.427      | 2959          | 2965        | 2976         | rVV8     | 110091         | 291736        | 6.27%           | 0.456%        |

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN071918\  
Data File : BN002088.D  
Acq On : 20 Jul 2018 00:47  
Operator : JU/SJ  
Sample : J4023-03  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DB1K4

## 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-BN071318MA.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 20.539 | 2979 | 2984 | 2988 | rVB2 | 63940   | 90232   | 1.94%  | 0.141% |
| 36 | 20.839 | 3032 | 3035 | 3040 | rVB2 | 66248   | 71214   | 1.53%  | 0.111% |
| 37 | 21.010 | 3060 | 3064 | 3066 | rBV  | 121260  | 138699  | 2.98%  | 0.217% |
| 38 | 21.280 | 3104 | 3110 | 3116 | rBV  | 3713534 | 4581992 | 98.41% | 7.159% |
| 39 | 21.445 | 3135 | 3138 | 3142 | rBV  | 117199  | 123619  | 2.65%  | 0.193% |
| 40 | 21.880 | 3209 | 3212 | 3215 | rBV  | 244447  | 289095  | 6.21%  | 0.452% |
| 41 | 21.915 | 3215 | 3218 | 3223 | rVB  | 611030  | 787775  | 16.92% | 1.231% |
| 42 | 22.051 | 3236 | 3241 | 3245 | rBV  | 291086  | 395071  | 8.49%  | 0.617% |
| 43 | 22.345 | 3288 | 3291 | 3296 | rVB  | 248390  | 320691  | 6.89%  | 0.501% |
| 44 | 22.474 | 3308 | 3313 | 3320 | rVB  | 269456  | 381078  | 8.18%  | 0.595% |
| 45 | 22.851 | 3372 | 3377 | 3383 | rVB  | 750706  | 1122111 | 24.10% | 1.753% |
| 46 | 23.374 | 3459 | 3466 | 3471 | rBV  | 2042185 | 3953998 | 84.92% | 6.178% |
| 47 | 23.515 | 3482 | 3490 | 3499 | rVB  | 2066190 | 3860051 | 82.90% | 6.031% |
| 48 | 24.056 | 3576 | 3582 | 3590 | rVB  | 595461  | 1149806 | 24.69% | 1.797% |
| 49 | 24.798 | 3702 | 3708 | 3715 | rBV  | 206911  | 466799  | 10.03% | 0.729% |

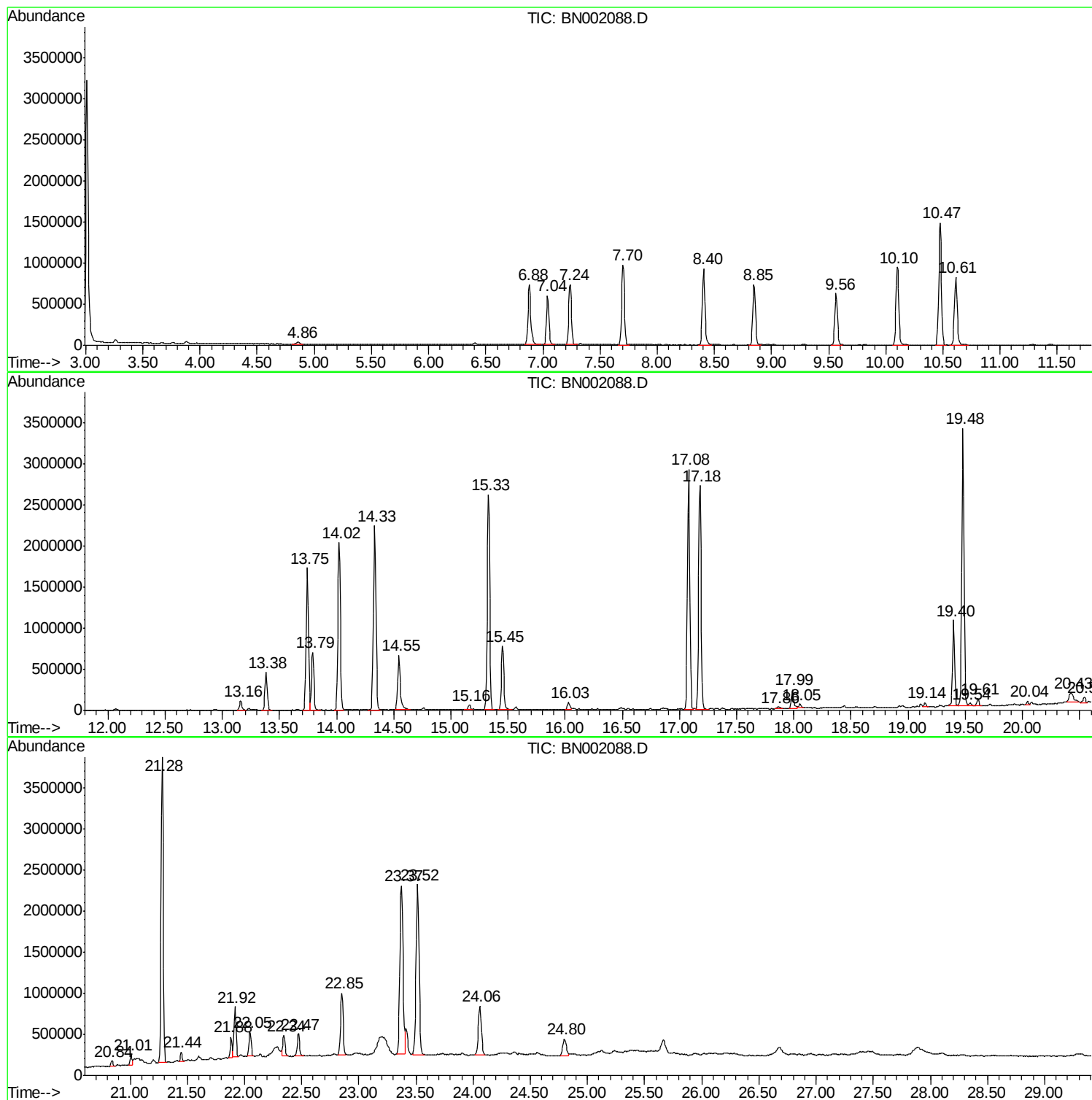
Sum of corrected areas: 64000591

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071918\  
Data File : BN002088.D  
Acq On : 20 Jul 2018 00:47  
Operator : JU/SJ  
Sample : J4023-03  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DB1K4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071918\  
Data File : BN002088.D  
Acq On : 20 Jul 2018 00:47  
Operator : JU/SJ  
Sample : J4023-03  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

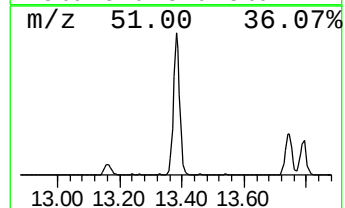
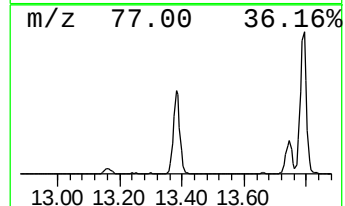
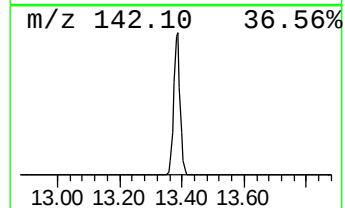
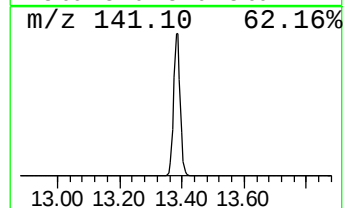
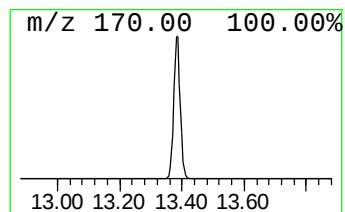
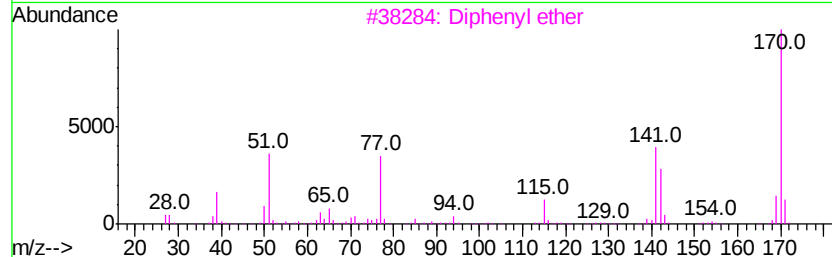
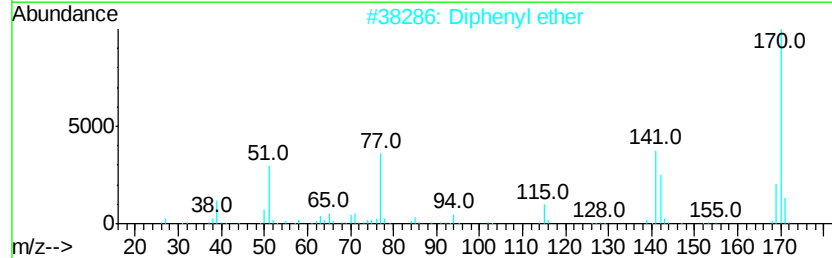
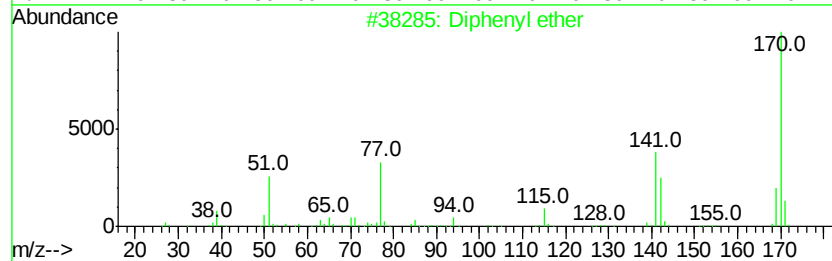
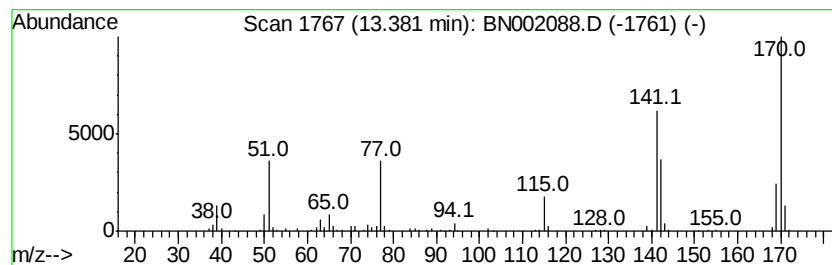
Instrument :  
BNA\_N  
ClientSampleId :  
DB1K4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 1 Diphenyl ether Concentration Rank 4

| R.T.    | EstConc                    | Area          | Relative to ISTD | R.T.      |
|---------|----------------------------|---------------|------------------|-----------|
| 13.38   | 3.93 ng/ul                 | 676666        | Acenaphthene-d10 | 14.33     |
| Hit# of | 5                          | Tentative ID  | MW MolForm       | CAS# Qual |
| 1       | Diphenyl ether             | 170 C12H10O   | 000101-84-8      | 93        |
| 2       | Diphenyl ether             | 170 C12H10O   | 000101-84-8      | 93        |
| 3       | Diphenyl ether             | 170 C12H10O   | 000101-84-8      | 83        |
| 4       | 2-Troponyl difluoroborate  | 170 C7H5BF2O2 | 022502-10-9      | 47        |
| 5       | Phenol, O-(ethylsulfinyl)- | 170 C8H10O2S  | 029634-40-0      | 40        |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071918\  
Data File : BN002088.D  
Acq On : 20 Jul 2018 00:47  
Operator : JU/SJ  
Sample : J4023-03  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

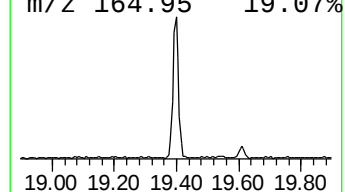
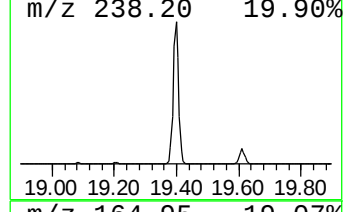
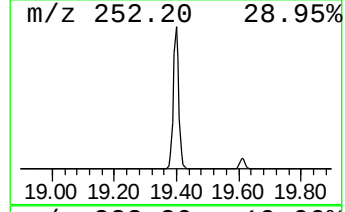
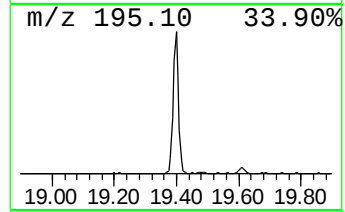
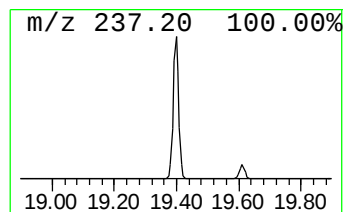
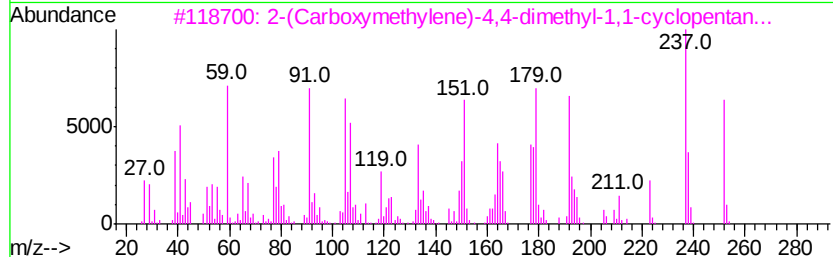
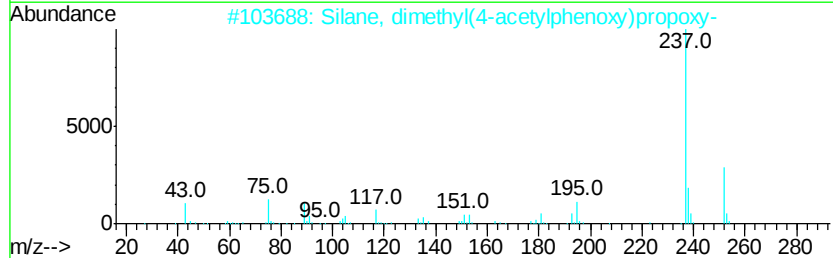
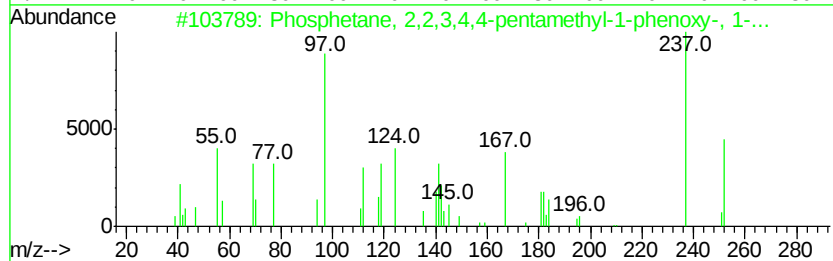
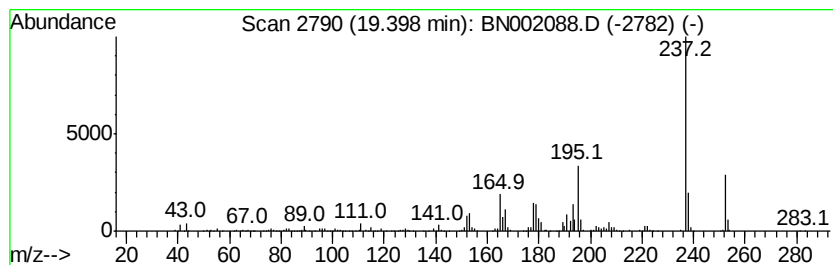
Instrument :  
BNA\_N  
ClientSampleId :  
DB1K4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 2 Phosphetane, 2,2,3,4,4-pent... Concentration Rank 2

| R.T.    | EstConc    | Area                                | Relative to ISTD | R.T.       |              |      |
|---------|------------|-------------------------------------|------------------|------------|--------------|------|
| 19.40   | 5.84 ng/ul | 1338890                             | Chrysene-d12     | 21.28      |              |      |
| Hit# of | 5          | Tentative ID                        | MW               | MolForm    | CAS#         | Qual |
| 1       |            | Phosphetane, 2,2,3,4,4-pentameth... | 252              | C14H21O2P  | 050517-26-5  | 95   |
| 2       |            | Silane, dimethyl(4-acetylphenoxy... | 252              | C13H20O3Si | 1000347-30-8 | 58   |
| 3       |            | 2-(Carboxymethvlene)-4,4-dimethv... | 270              | C13H18O6   | 180691-11-6  | 58   |
| 4       |            | 1-Methyl-3-phenyl-3,4-dihydro-1H... | 237              | C16H15NO   | 028899-87-8  | 52   |
| 5       |            | Adamantane-1-carboxylic acid, 3-... | 237              | C13H19NO3  | 1000303-75-9 | 49   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071918\  
Data File : BN002088.D  
Acq On : 20 Jul 2018 00:47  
Operator : JU/SJ  
Sample : J4023-03  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DB1K4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION

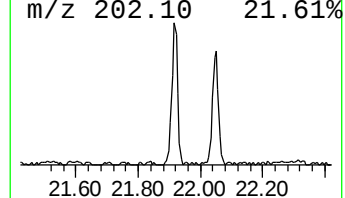
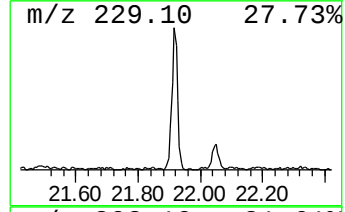
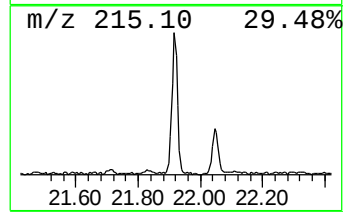
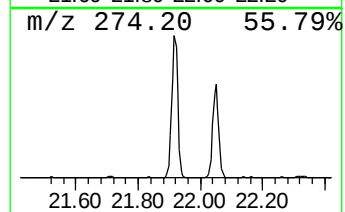
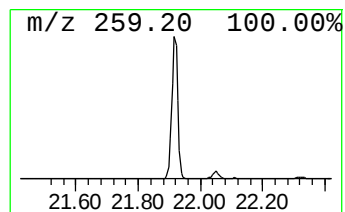
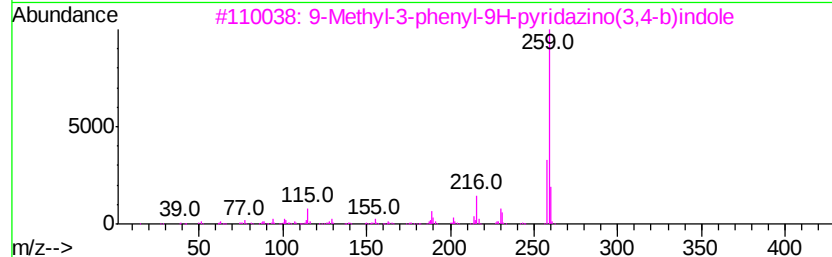
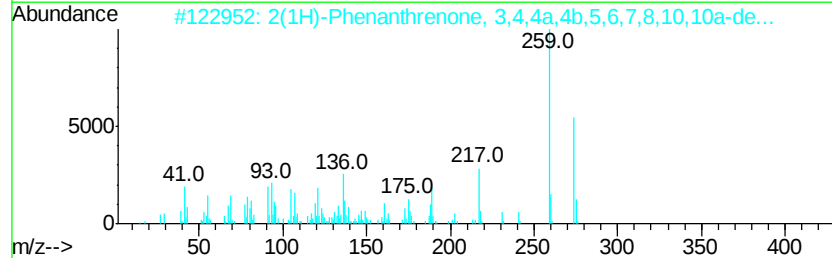
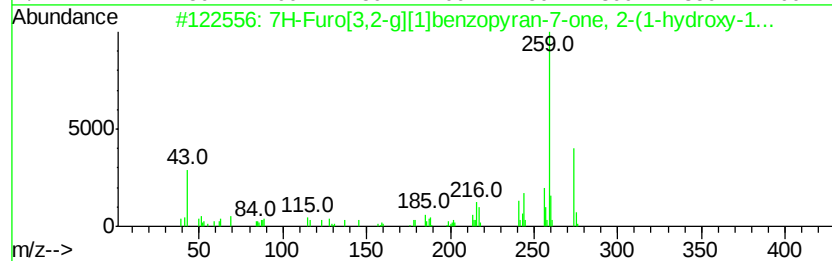
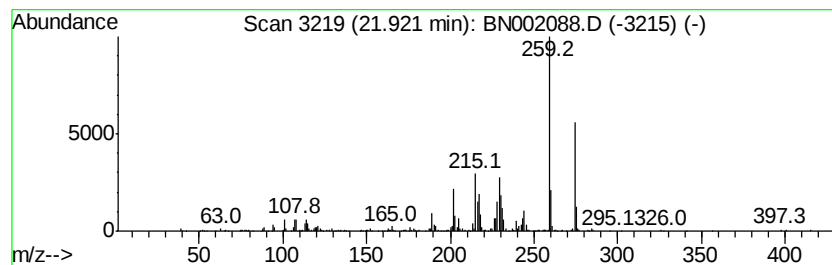
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 7H-Furo[3,2-g][1]benzopyran... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 21.92 | 3.44 ng/ul | 787775 | Chrysene-d12     | 21.28 |

| Hit# of | 5 | Tentative ID                           | MW  | MolForm    | CAS#         | Qual |
|---------|---|----------------------------------------|-----|------------|--------------|------|
| 1       |   | 7H-Furo[3,2-g][1]benzopyran-7-on...    | 274 | C15H14O5   | 054087-32-0  | 58   |
| 2       |   | 2(1H)-Phenanthrenone, 3,4,4a,4b,...    | 274 | C19H30O    | 007715-44-8  | 50   |
| 3       |   | 9-Methyl-3-phenyl-9H-pyridazino(...    | 259 | C17H13N3   | 003980-90-3  | 45   |
| 4       |   | 24-Norcholestan-16-one, 22-methyl-,... | 344 | C24H40O    | 054498-41-8  | 38   |
| 5       |   | Dihydrobenzimidazol-2-one, 1-ace...    | 301 | C16H19N3O3 | 1000280-84-2 | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071918\  
Data File : BN002088.D  
Acq On : 20 Jul 2018 00:47  
Operator : JU/SJ  
Sample : J4023-03  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DB1K4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION

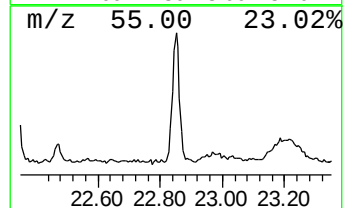
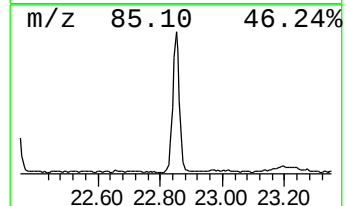
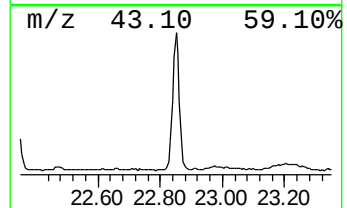
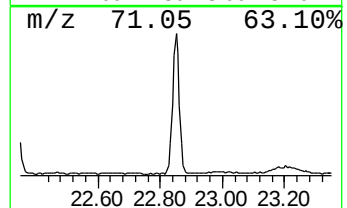
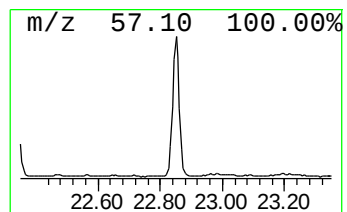
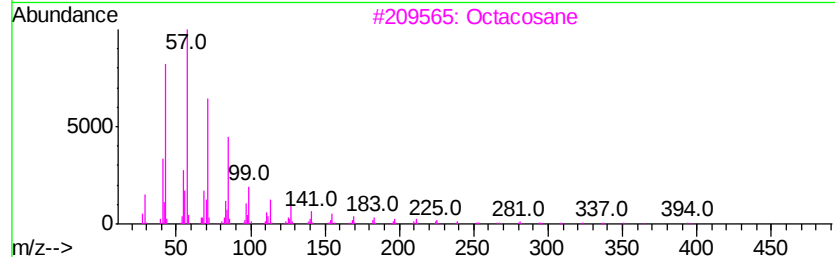
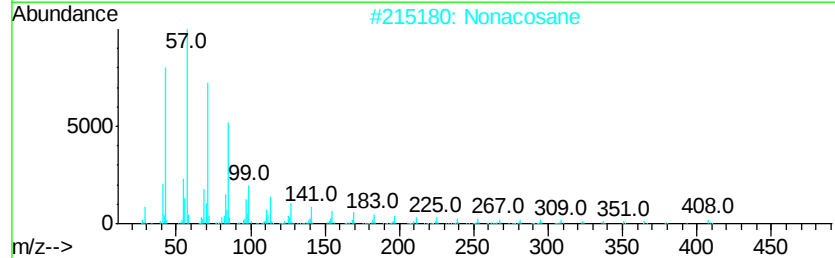
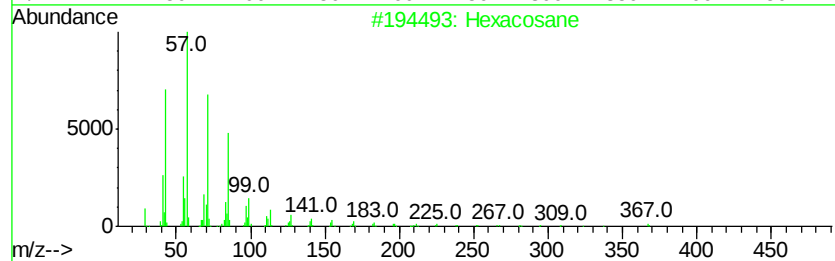
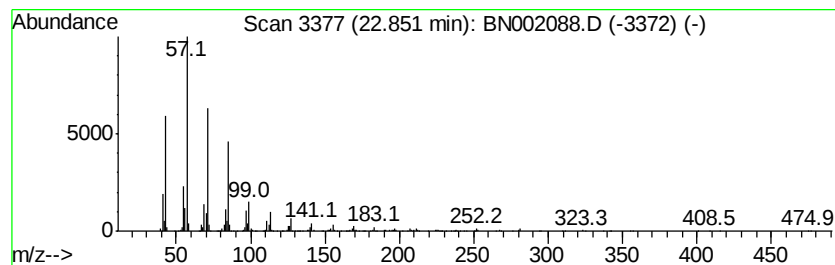
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

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

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 22.85 | 5.81 ng/ul | 1122110 | Perylene-d12     | 23.52 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Hexacosane   | 366 | C26H54  | 000630-01-3 | 94   |
| 2    |    |   | Nonacosane   | 408 | C29H60  | 000630-03-5 | 93   |
| 3    |    |   | Octacosane   | 394 | C28H58  | 000630-02-4 | 91   |
| 4    |    |   | Heneicosane  | 296 | C21H44  | 000629-94-7 | 91   |
| 5    |    |   | Nonacosane   | 408 | C29H60  | 000630-03-5 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071918\  
Data File : BN002088.D  
Acq On : 20 Jul 2018 00:47  
Operator : JU/SJ  
Sample : J4023-03  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DB1K4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION

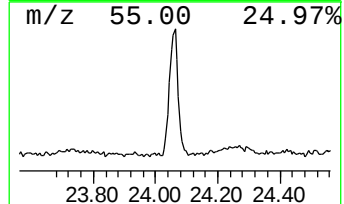
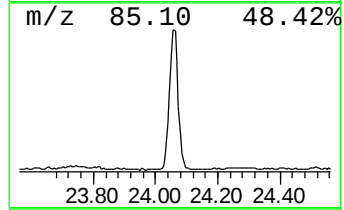
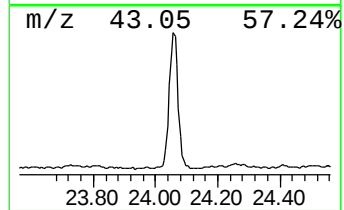
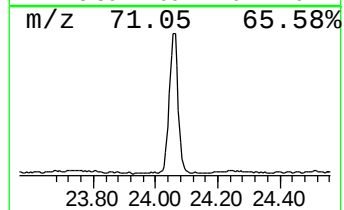
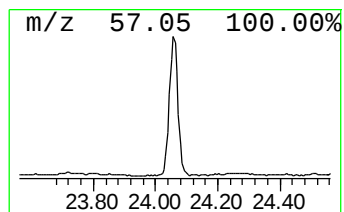
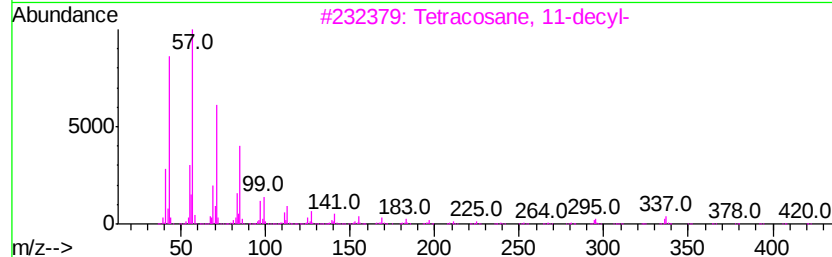
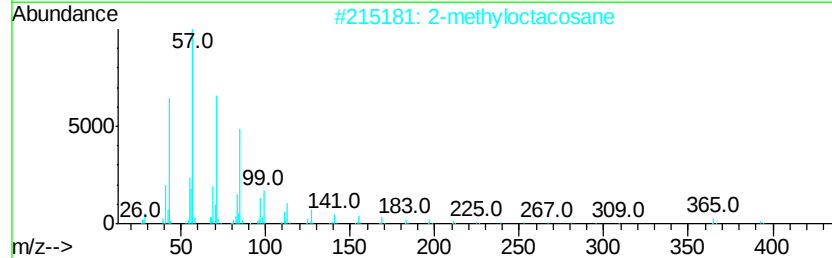
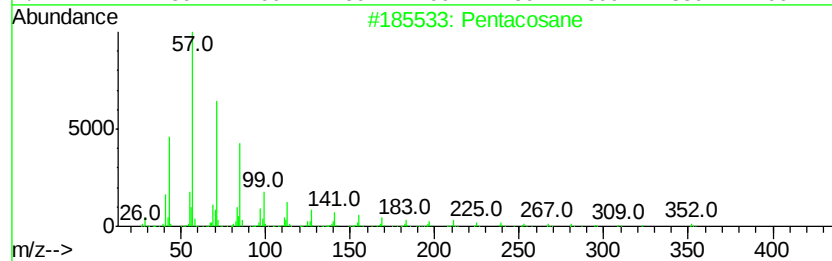
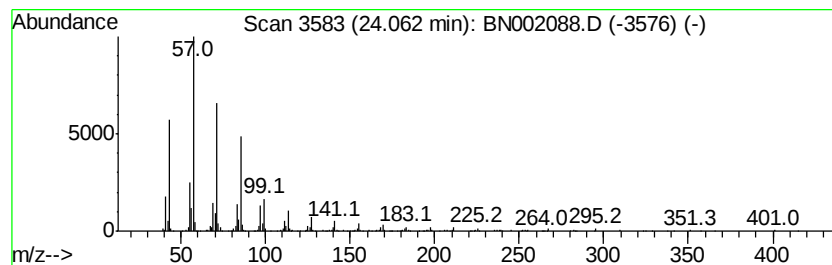
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 24.06 | 5.96 ng/ul | 1149810 | Perylene-d12     | 23.52 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#         | Qual |
|------|----|------------------------|-----|---------|--------------|------|
| 1    | 5  | Pentacosane            | 352 | C25H52  | 000629-99-2  | 91   |
| 2    |    | 2-methyloctacosane     | 408 | C29H60  | 1000376-72-8 | 91   |
| 3    |    | Tetracosane, 11-decyl- | 479 | C34H70  | 055429-84-0  | 91   |
| 4    |    | Eicosane               | 282 | C20H42  | 000112-95-8  | 91   |
| 5    |    | Octacosane             | 394 | C28H58  | 000630-02-4  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN071918\  
Data File : BN002088.D  
Acq On : 20 Jul 2018 00:47  
Operator : JU/SJ  
Sample : J4023-03  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DB1K4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.M  
Quant Title : SVOA CALIBRATION

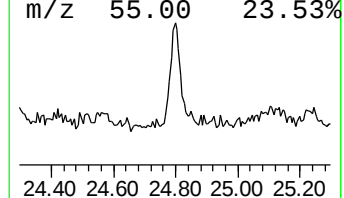
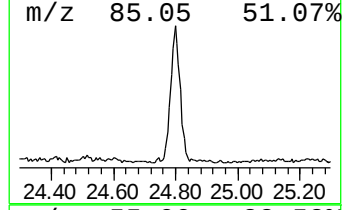
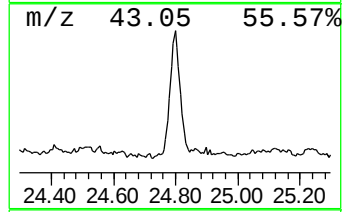
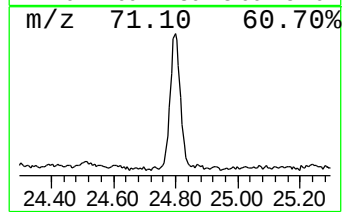
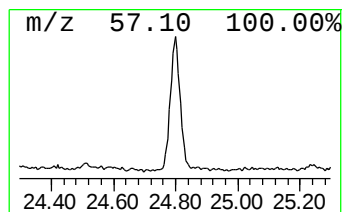
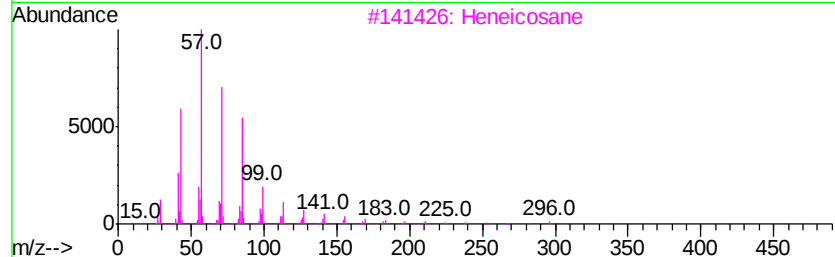
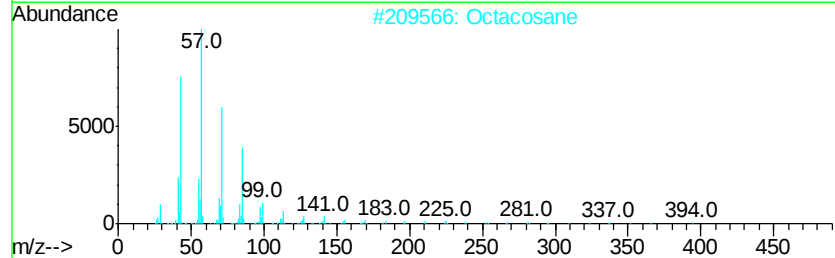
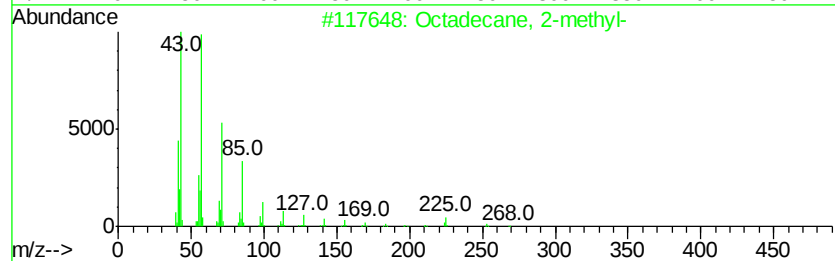
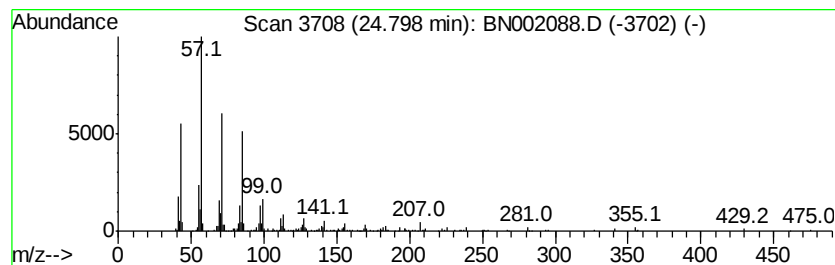
TIC Library : C:\Database\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 24.80 | 2.42 ng/ul | 466799 | Perylene-d12     | 23.52 |

| Hit# | of | 5 | Tentative ID          | MW  | MolForm | CAS#        | Qual |
|------|----|---|-----------------------|-----|---------|-------------|------|
| 1    |    |   | Octadecane, 2-methyl- | 268 | C19H40  | 001560-88-9 | 91   |
| 2    |    |   | Octacosane            | 394 | C28H58  | 000630-02-4 | 90   |
| 3    |    |   | Heneicosane           | 296 | C21H44  | 000629-94-7 | 87   |
| 4    |    |   | Heptadecane, 9-octyl- | 352 | C25H52  | 007225-64-1 | 87   |
| 5    |    |   | Tetracosane           | 338 | C24H50  | 000646-31-1 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_N\DATA\BN071918\  
Data File : BN002088.D  
Acq On : 20 Jul 2018 00:47  
Operator : JU/SJ  
Sample : J4023-03  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
BNA\_N  
ClientSampleId :  
DB1K4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_N\METHODS\SOM-EPA-BN071318MA.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 |
| Diphenyl ether       | 13.38 | 3.9     | ng/ul | 676666   | 3                     | 14.33 | 3439580 | 20.0 |
| Phosphetane, 2,2,... | 19.40 | 5.8     | ng/ul | 1338890  | 5                     | 21.28 | 4581990 | 20.0 |
| 7H-Furo[3,2-g][1]... | 21.92 | 3.4     | ng/ul | 787775   | 5                     | 21.28 | 4581990 | 20.0 |
| (DEL) Alkane: Str... | 22.85 | 5.8     | ng/ul | 1122110  | 6                     | 23.52 | 3860050 | 20.0 |
| (DEL) Alkane: Str... | 24.06 | 6.0     | ng/ul | 1149810  | 6                     | 23.52 | 3860050 | 20.0 |
| (DEL) Alkane: Str... | 24.80 | 2.4     | ng/ul | 466799   | 6                     | 23.52 | 3860050 | 20.0 |