

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031218\  
 Data File : BM014535.D  
 Acq On : 13 Mar 2018 01:48  
 Operator : SJ/JU  
 Sample : J1835-07  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 F6F40

## 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:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM021418.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         | 6.693       | 641           | 647         | 664          | rBV      | 145030         | 362218        | 21.94%          | 1.657%        |
| 2         | 6.828       | 664           | 670         | 683          | rVB      | 135284         | 237321        | 14.38%          | 1.085%        |
| 3         | 7.022       | 697           | 703         | 715          | rBV      | 206332         | 380340        | 23.04%          | 1.739%        |
| 4         | 7.475       | 773           | 780         | 794          | rBV      | 378311         | 680670        | 41.23%          | 3.113%        |
| 5         | 8.216       | 900           | 906         | 918          | rBV2     | 207038         | 472272        | 28.61%          | 2.160%        |
| 6         | 8.645       | 972           | 979         | 991          | rBV      | 206045         | 412222        | 24.97%          | 1.885%        |
| 7         | 9.357       | 1094          | 1100        | 1112         | rBV3     | 183383         | 379103        | 22.96%          | 1.734%        |
| 8         | 9.910       | 1188          | 1194        | 1206         | rBV2     | 190487         | 488228        | 29.57%          | 2.233%        |
| 9         | 10.245      | 1243          | 1251        | 1260         | rBV      | 548122         | 950884        | 57.60%          | 4.349%        |
| 10        | 10.428      | 1275          | 1282        | 1303         | rBV2     | 155583         | 454292        | 27.52%          | 2.078%        |
| 11        | 12.463      | 1622          | 1628        | 1635         | rBV2     | 55164          | 92197         | 5.58%           | 0.422%        |
| 12        | 12.727      | 1666          | 1673        | 1679         | rBV2     | 78624          | 120757        | 7.31%           | 0.552%        |
| 13        | 13.027      | 1719          | 1724        | 1729         | rBV6     | 9585           | 17716         | 1.07%           | 0.081%        |
| 14        | 13.127      | 1734          | 1741        | 1750         | rBV6     | 22143          | 62032         | 3.76%           | 0.284%        |
| 15        | 13.374      | 1778          | 1783        | 1788         | rBV6     | 16576          | 24394         | 1.48%           | 0.112%        |
| 16        | 13.563      | 1807          | 1815        | 1828         | rBV      | 541779         | 900530        | 54.55%          | 4.119%        |
| 17        | 13.663      | 1828          | 1832        | 1836         | rVB2     | 31601          | 45698         | 2.77%           | 0.209%        |
| 18        | 13.827      | 1851          | 1860        | 1869         | rBV      | 607777         | 972301        | 58.89%          | 4.447%        |
| 19        | 14.139      | 1907          | 1913        | 1921         | rBV3     | 811177         | 1252768       | 75.88%          | 5.729%        |
| 20        | 14.457      | 1962          | 1967        | 1984         | rBV2     | 97899          | 331299        | 20.07%          | 1.515%        |
| 21        | 14.945      | 2045          | 2050        | 2054         | rBV2     | 30213          | 46273         | 2.80%           | 0.212%        |
| 22        | 14.992      | 2054          | 2058        | 2065         | rVB3     | 24087          | 39554         | 2.40%           | 0.181%        |
| 23        | 15.145      | 2078          | 2084        | 2097         | rVB      | 722914         | 1119423       | 67.81%          | 5.120%        |
| 24        | 15.333      | 2111          | 2116        | 2124         | rBV2     | 148125         | 285194        | 17.27%          | 1.304%        |
| 25        | 15.710      | 2175          | 2180        | 2188         | rBV7     | 18594          | 35573         | 2.15%           | 0.163%        |
| 26        | 16.051      | 2234          | 2238        | 2244         | rBV4     | 23556          | 40211         | 2.44%           | 0.184%        |
| 27        | 16.668      | 2337          | 2343        | 2344         | rBV5     | 12516          | 20107         | 1.22%           | 0.092%        |
| 28        | 16.827      | 2361          | 2370        | 2375         | rBV7     | 26897          | 45198         | 2.74%           | 0.207%        |
| 29        | 16.904      | 2377          | 2383        | 2389         | rBV      | 1094956        | 1522336       | 92.21%          | 6.962%        |
| 30        | 17.004      | 2395          | 2400        | 2413         | rVB2     | 822139         | 1249847       | 75.71%          | 5.716%        |
| 31        | 17.198      | 2427          | 2433        | 2438         | rBV      | 120373         | 153220        | 9.28%           | 0.701%        |
| 32        | 17.292      | 2444          | 2449        | 2454         | rBV5     | 24521          | 39241         | 2.38%           | 0.179%        |
| 33        | 17.398      | 2464          | 2467        | 2470         | rBV4     | 21811          | 30715         | 1.86%           | 0.140%        |
| 34        | 17.580      | 2495          | 2498        | 2502         | rVB6     | 12556          | 16732         | 1.01%           | 0.077%        |

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031218\  
Data File : BM014535.D  
Acq On : 13 Mar 2018 01:48  
Operator : SJ/JU  
Sample : J1835-07  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F6F40

## 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:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM021418.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |        |
|----|--------|------|------|------|------|---------|---------|---------|--------|
| 35 | 17.757 | 2524 | 2528 | 2530 | rBV4 | 15104   | 22589   | 1.37%   | 0.103% |
| 36 | 17.809 | 2533 | 2537 | 2544 | rVV2 | 175403  | 278003  | 16.84%  | 1.271% |
| 37 | 17.880 | 2544 | 2549 | 2556 | rVB  | 596318  | 760123  | 46.04%  | 3.476% |
| 38 | 18.092 | 2581 | 2585 | 2589 | rBV6 | 20073   | 29126   | 1.76%   | 0.133% |
| 39 | 18.680 | 2682 | 2685 | 2689 | rVB6 | 23629   | 27883   | 1.69%   | 0.128% |
| 40 | 18.739 | 2691 | 2695 | 2698 | rBV4 | 34934   | 43300   | 2.62%   | 0.198% |
| 41 | 18.886 | 2715 | 2720 | 2721 | rBV5 | 12503   | 20828   | 1.26%   | 0.095% |
| 42 | 18.962 | 2730 | 2733 | 2735 | rBV4 | 17687   | 23970   | 1.45%   | 0.110% |
| 43 | 18.986 | 2735 | 2737 | 2739 | rVV3 | 16648   | 18016   | 1.09%   | 0.082% |
| 44 | 19.109 | 2753 | 2758 | 2763 | rBV6 | 66965   | 119862  | 7.26%   | 0.548% |
| 45 | 19.251 | 2778 | 2782 | 2788 | rVB6 | 62818   | 70134   | 4.25%   | 0.321% |
| 46 | 19.315 | 2788 | 2793 | 2803 | rBV2 | 1013178 | 1500515 | 90.89%  | 6.862% |
| 47 | 19.862 | 2883 | 2886 | 2892 | rVB2 | 120918  | 148197  | 8.98%   | 0.678% |
| 48 | 20.156 | 2934 | 2936 | 2937 | rBV2 | 26036   | 18016   | 1.09%   | 0.082% |
| 49 | 20.198 | 2939 | 2943 | 2946 | rVV4 | 117580  | 171129  | 10.37%  | 0.783% |
| 50 | 20.239 | 2946 | 2950 | 2957 | rVV9 | 85653   | 197980  | 11.99%  | 0.905% |
| 51 | 20.303 | 2959 | 2961 | 2965 | rVV4 | 60235   | 63205   | 3.83%   | 0.289% |
| 52 | 20.362 | 2969 | 2971 | 2975 | rVB2 | 101964  | 103279  | 6.26%   | 0.472% |
| 53 | 20.833 | 3047 | 3051 | 3057 | rBV  | 229451  | 277823  | 16.83%  | 1.271% |
| 54 | 21.033 | 3082 | 3085 | 3090 | rVB3 | 87610   | 113562  | 6.88%   | 0.519% |
| 55 | 21.127 | 3096 | 3101 | 3106 | rBV  | 1254106 | 1650916 | 100.00% | 7.550% |
| 56 | 23.156 | 3440 | 3446 | 3452 | rVB  | 771497  | 1371413 | 83.07%  | 6.272% |
| 57 | 23.291 | 3463 | 3469 | 3477 | rVB2 | 826509  | 1554698 | 94.17%  | 7.110% |

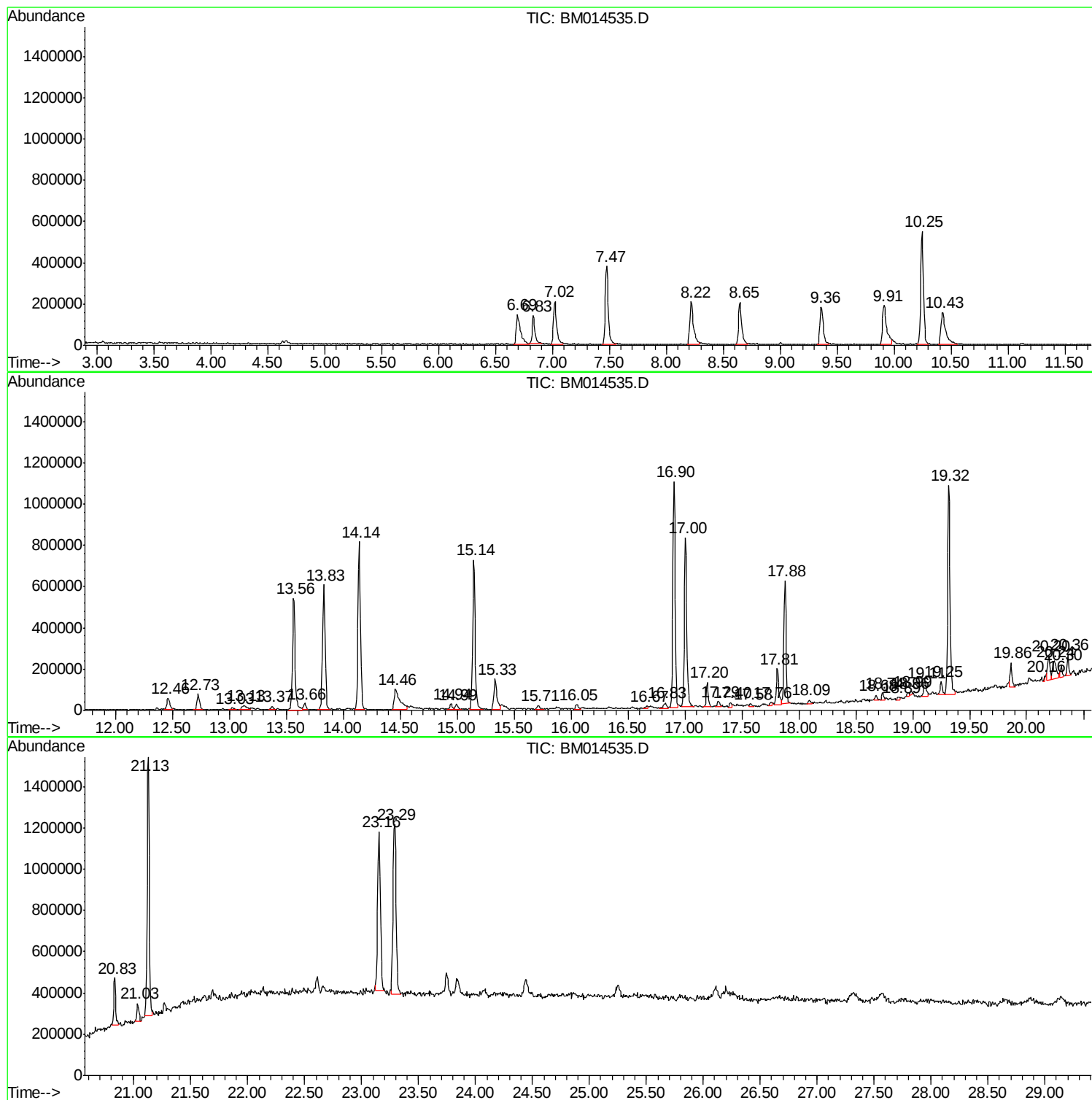
Sum of corrected areas: 21865433

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031218\  
Data File : BM014535.D  
Acq On : 13 Mar 2018 01:48  
Operator : SJ/JU  
Sample : J1835-07  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F6F40

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM031218\  
Data File : BM014535.D  
Acq On : 13 Mar 2018 01:48  
Operator : SJ/JU  
Sample : J1835-07  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F6F40

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M  
Quant Title : SVOA CALIBRATION

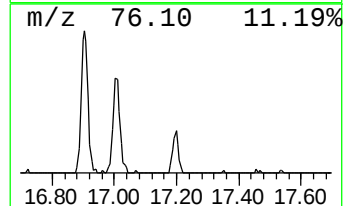
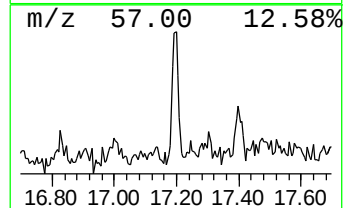
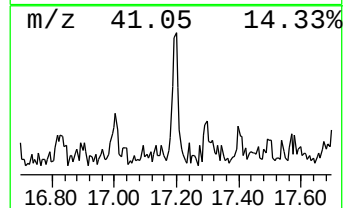
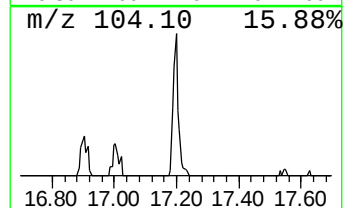
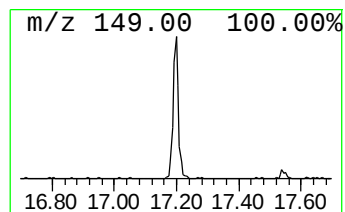
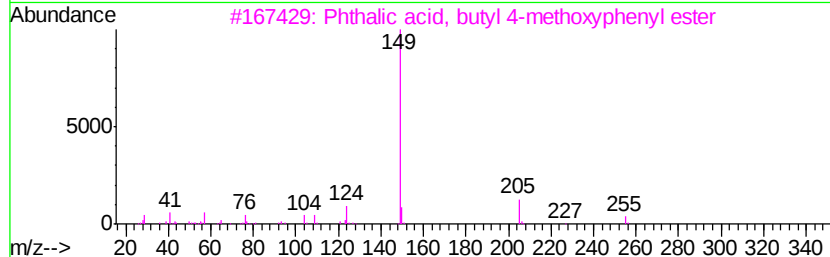
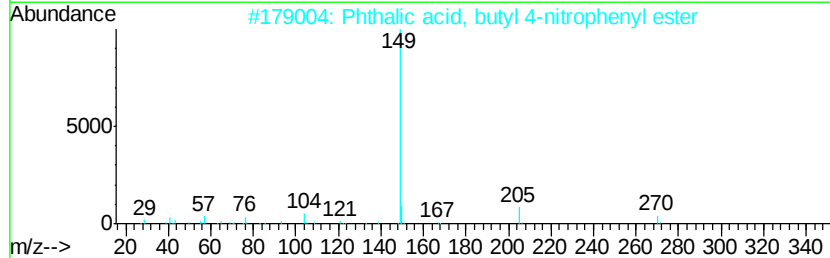
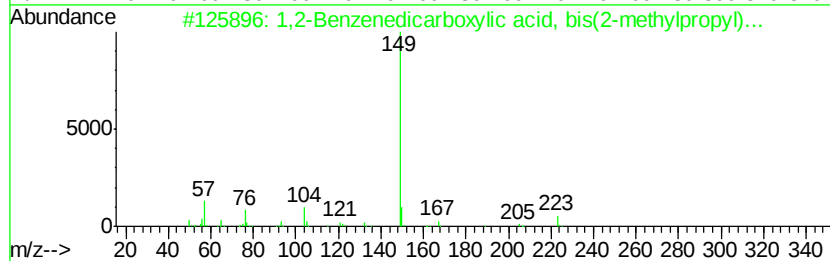
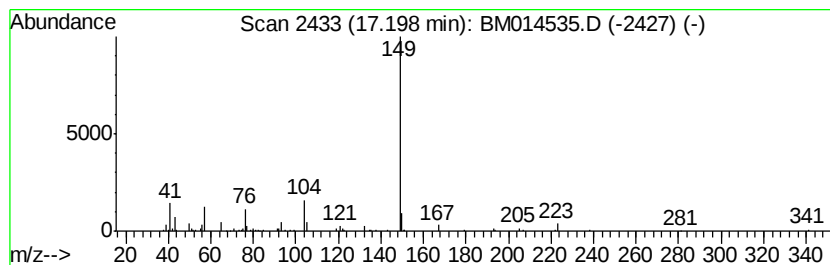
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 1,2-Benzenedicarboxylic aci... Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.20 | 2.01 ng/ul | 153220 | Phenanthrene-d10 | 16.90 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | 1,2-Benzenedicarboxylic acid, bi... | 278 | C16H22O4  | 000084-69-5  | 87   |
| 2    |    | Phthalic acid, butyl 4-nitrophen... | 343 | C18H17NO6 | 1000309-76-4 | 78   |
| 3    |    | Phthalic acid, butyl 4-methoxyph... | 328 | C19H20O5  | 1000309-87-3 | 72   |
| 4    |    | Phthalic acid, butyl isohexyl ester | 306 | C18H26O4  | 1000309-03-6 | 64   |
| 5    |    | 1,2-Benzenedicarboxylic acid, bu... | 334 | C20H30O4  | 000085-69-8  | 64   |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM031218\  
Data File : BM014535.D  
Acq On : 13 Mar 2018 01:48  
Operator : SJ/JU  
Sample : J1835-07  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F6F40

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M  
Quant Title : SVOA CALIBRATION

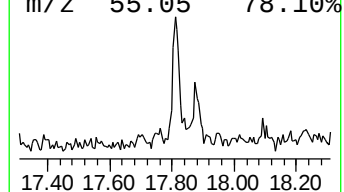
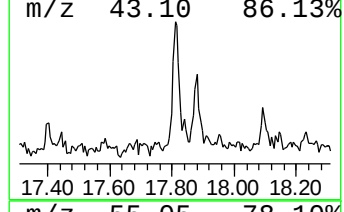
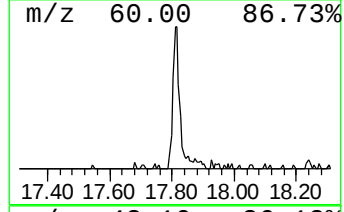
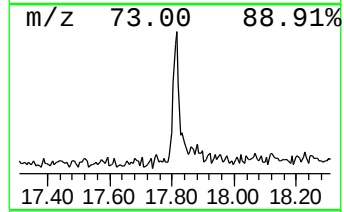
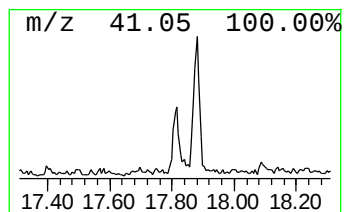
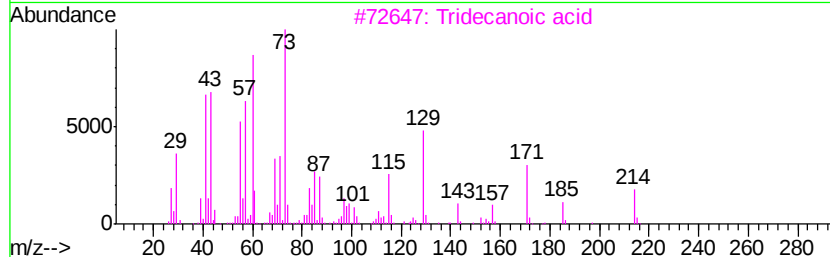
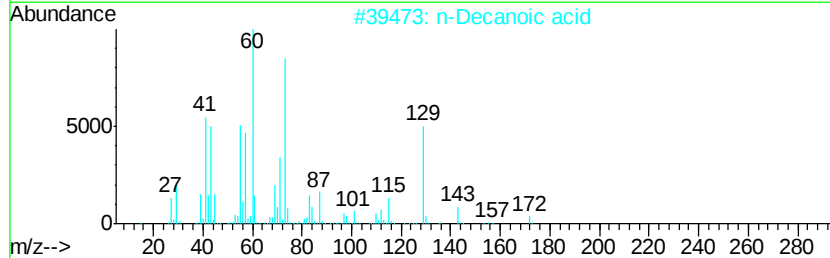
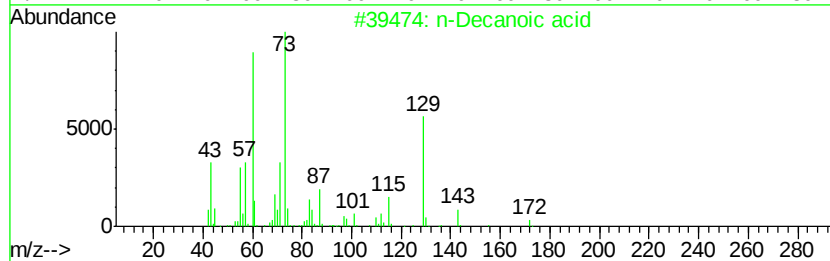
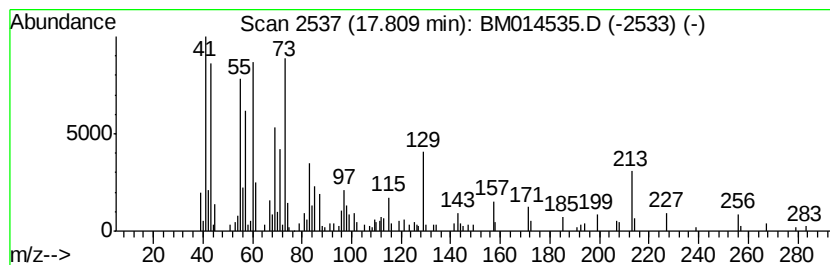
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 n-Decanoic acid Concentration Rank 1

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.81 | 3.65 ng/ul | 278003 | Phenanthrene-d10 | 16.90 |

| Hit# | of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|---------------------|-----|----------|-------------|------|
| 1    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 91   |
| 2    |    |   | n-Decanoic acid     | 172 | C10H20O2 | 000334-48-5 | 91   |
| 3    |    |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 91   |
| 4    |    |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 86   |
| 5    |    |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 83   |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM031218\  
Data File : BM014535.D  
Acq On : 13 Mar 2018 01:48  
Operator : SJ/JU  
Sample : J1835-07  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

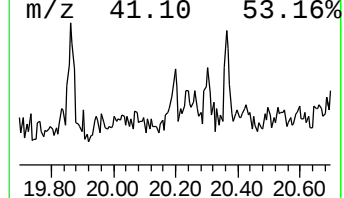
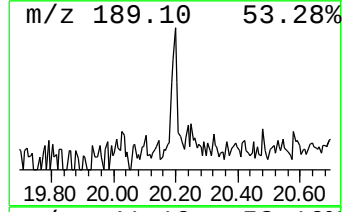
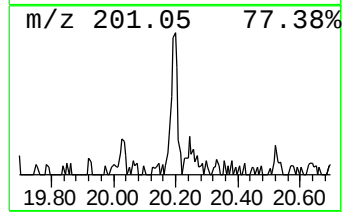
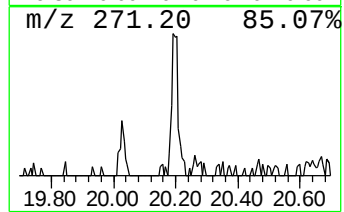
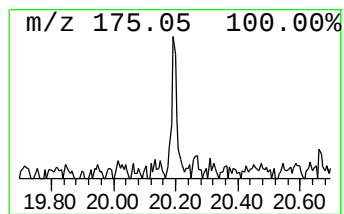
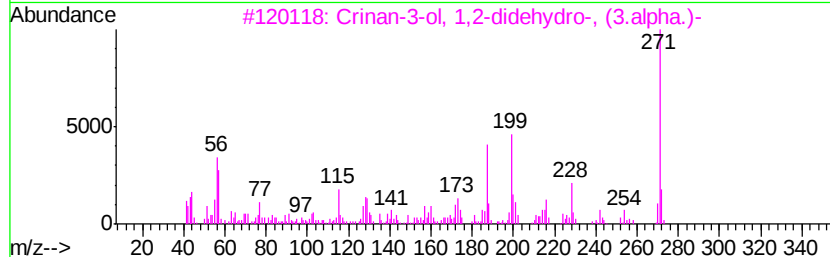
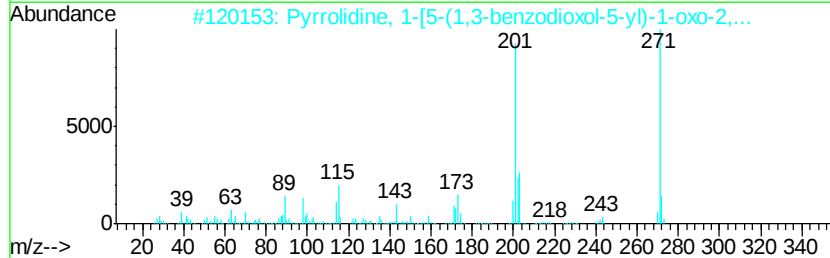
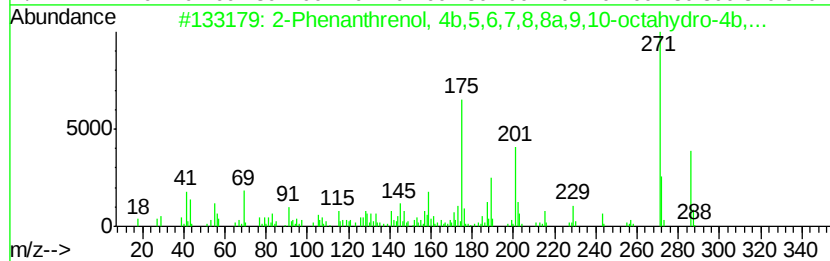
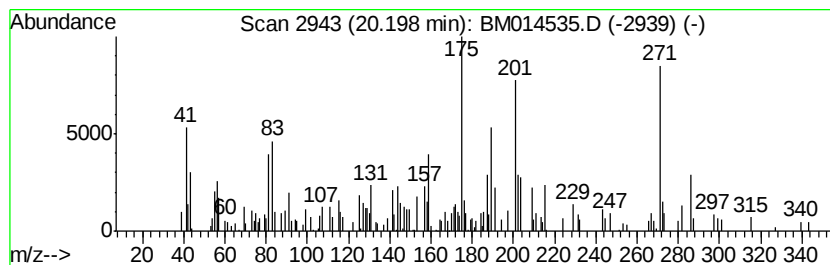
Instrument :  
BNA\_M  
ClientSampleId :  
F6F40

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 3 unknown-01 Concentration Rank 4

| R.T.    | EstConc                             | Area           | Relative to ISTD | R.T.      |
|---------|-------------------------------------|----------------|------------------|-----------|
| 20.20   | 2.07 ng/ul                          | 171129         | Chrysene-d12     | 21.13     |
| Hit# of | 5                                   | Tentative ID   | MW MolForm       | CAS# Qual |
| 1       | 2-Phenanthrenol, 4b,5,6,7,8,8a,9... | 286 C20H30O    | 000511-15-9      | 30        |
| 2       | Pyrrolidine, 1-[5-(1,3-benzodiox... | 271 C16H17NO3  | 025924-78-1      | 30        |
| 3       | Crinan-3-ol, 1,2-didehydro-, (3.... | 271 C16H17NO3  | 000510-67-8      | 25        |
| 4       | Acetamide, 2-phenoxy-N-(3,4-meth... | 271 C15H13NO4  | 300820-71-7      | 15        |
| 5       | 3,7-Dihydropurine-2,6-dione, 1,3... | 271 C13H13N5O2 | 1000303-89-5     | 11        |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM031218\  
Data File : BM014535.D  
Acq On : 13 Mar 2018 01:48  
Operator : SJ/JU  
Sample : J1835-07  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F6F40

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M  
Quant Title : SVOA CALIBRATION

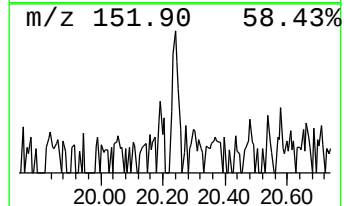
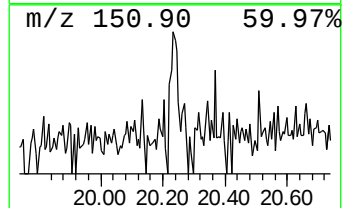
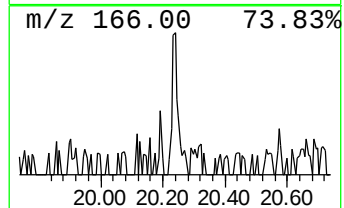
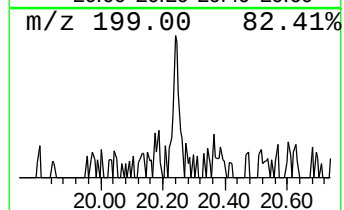
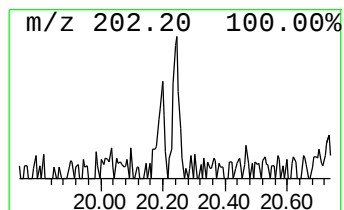
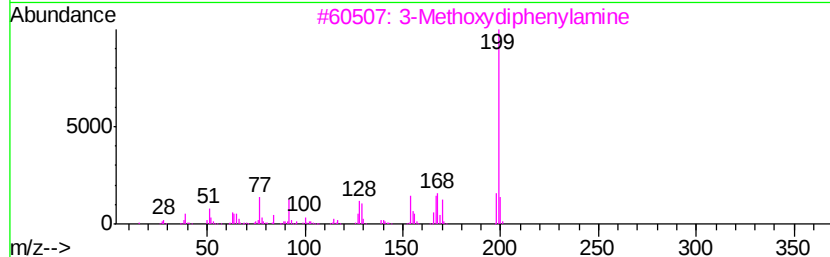
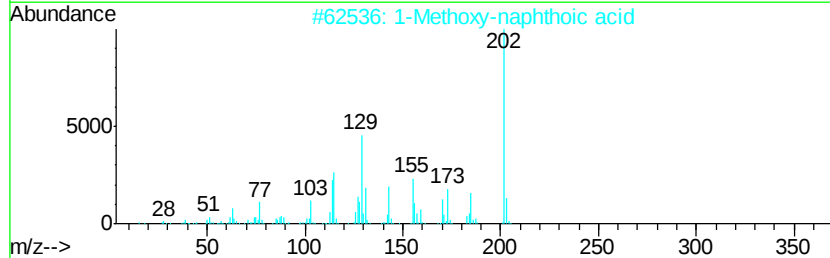
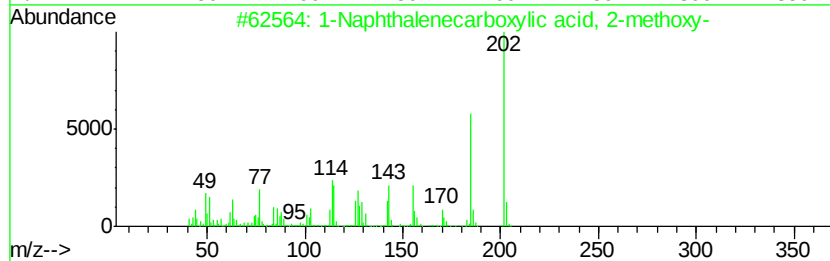
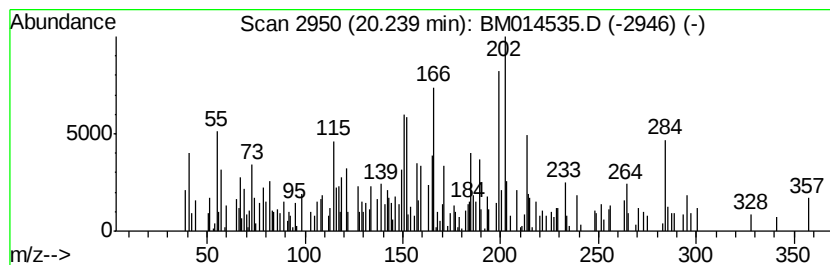
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 1-Naphthalenecarboxylic aci... Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.24 | 2.40 ng/ul | 197980 | Chrysene-d12     | 21.13 |

| Hit# | of | Tentative ID                         | MW  | MolForm  | CAS#        | Qual |
|------|----|--------------------------------------|-----|----------|-------------|------|
| 1    | 5  | 1-Naphthalenecarboxylic acid, 2-...  | 202 | C12H10O3 | 000947-62-6 | 15   |
| 2    |    | 1-Methoxy-naphthoic acid             | 202 | C12H10O3 | 000883-21-6 | 11   |
| 3    |    | 3-Methoxydiphenylamine               | 199 | C13H13NO | 000101-16-6 | 11   |
| 4    |    | 3-(3,5-Dimethylphenyl)adamantan-1-ol | 256 | C18H24O  | 106888-17-9 | 11   |
| 5    |    | 2-Naphthalenecarboxylic acid, 3-...  | 202 | C12H10O3 | 000883-62-5 | 11   |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM031218\  
Data File : BM014535.D  
Acq On : 13 Mar 2018 01:48  
Operator : SJ/JU  
Sample : J1835-07  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

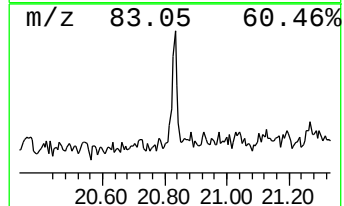
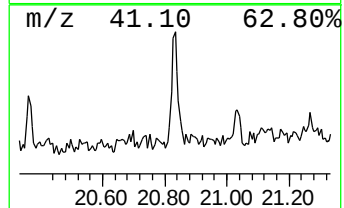
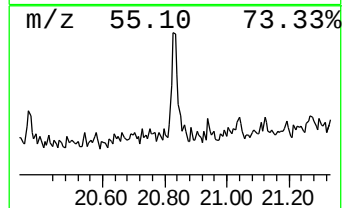
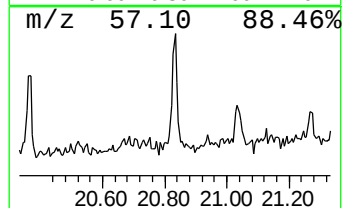
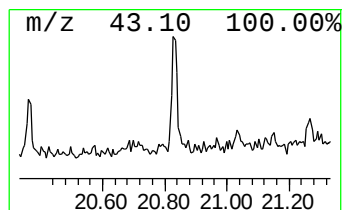
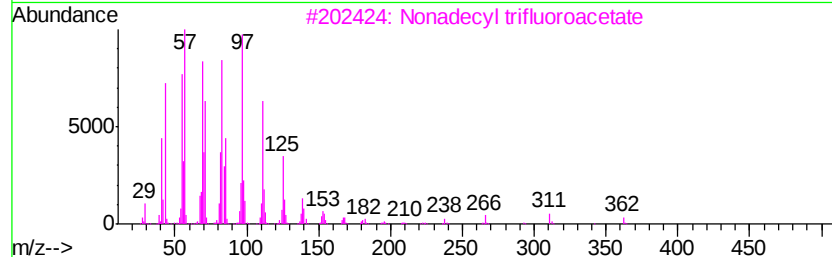
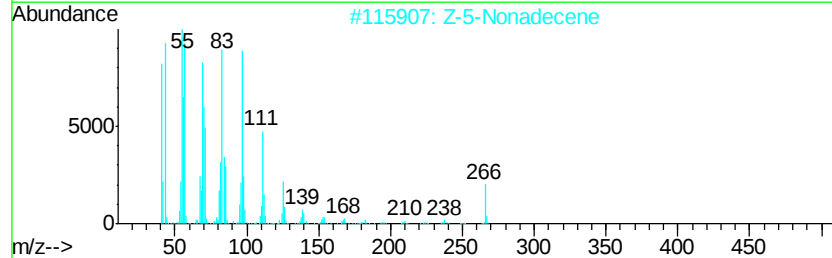
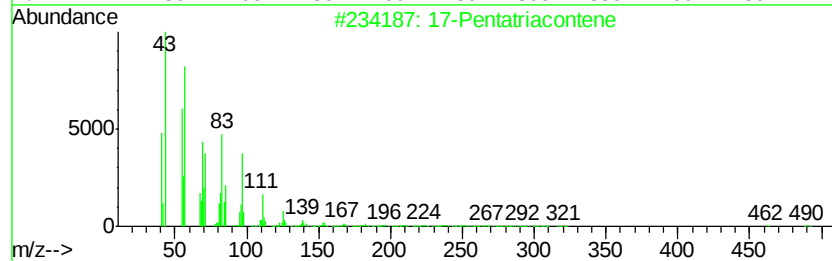
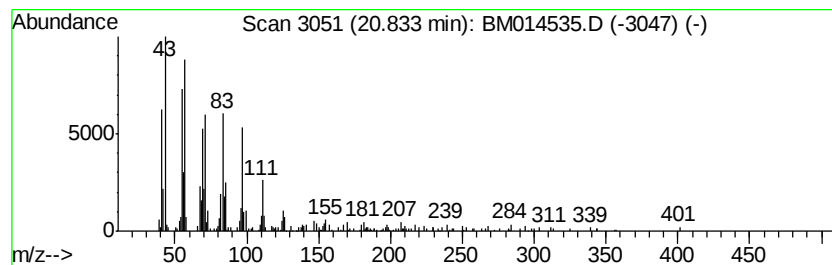
Instrument :  
BNA\_M  
ClientSampleId :  
F6F40

Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M  
Quant Title : SVOA CALIBRATION

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

\*\*\*\*\*  
Peak Number 5 (DEL) Alkane: Cyclic20.83 Concentration Rank 2

| R.T.      | EstConc                             | Area   | Relative to ISTD | R.T.         |      |
|-----------|-------------------------------------|--------|------------------|--------------|------|
| 20.83     | 3.37 ng/ul                          | 277823 | Chrysene-d12     | 21.13        |      |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual |
| 1         | 17-Pentatriacontene                 | 491    | C35H70           | 006971-40-0  | 87   |
| 2         | Z-5-Nonadecene                      | 266    | C19H38           | 1000131-11-8 | 86   |
| 3         | Nonadecyl trifluoroacetate          | 380    | C21H39F3O2       | 1000351-76-3 | 81   |
| 4         | 4-Methyl-E-9-octadecene             | 266    | C19H38           | 1000130-87-1 | 78   |
| 5         | Pentafluoropropionic acid, hepta... | 402    | C20H35F5O2       | 959218-78-1  | 76   |



Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM031218\  
Data File : BM014535.D  
Acq On : 13 Mar 2018 01:48  
Operator : SJ/JU  
Sample : J1835-07  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
F6F40

Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM021418.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 |
| 1,2-Benzenedicarb... | 17.20 | 2.0     | ng/ul | 153220   | 4                     | 16.90 | 1522340 | 20.0 |
| n-Decanoic acid      | 17.81 | 3.6     | ng/ul | 278003   | 4                     | 16.90 | 1522340 | 20.0 |
| unknown-01           | 20.20 | 2.1     | ng/ul | 171129   | 5                     | 21.13 | 1650920 | 20.0 |
| 1-Naphthalenecarb... | 20.24 | 2.4     | ng/ul | 197980   | 5                     | 21.13 | 1650920 | 20.0 |
| (DEL) Alkane: Cyc... | 20.83 | 3.4     | ng/ul | 277823   | 5                     | 21.13 | 1650920 | 20.0 |