

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\  
 Data File : BM023269.D  
 Acq On : 18 Oct 2019 21:59  
 Operator : JU  
 Sample : K5345-12  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 ETOK5

Integration Parameters: LSCINT.P

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

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101419MA.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         | 3.175       | 28            | 32          | 40           | rVB2     | 60179          | 92726         | 1.22%           | 0.086%        |
| 2         | 3.810       | 135           | 140         | 144          | rVB      | 43481          | 62627         | 0.82%           | 0.058%        |
| 3         | 3.893       | 150           | 154         | 159          | rBV3     | 30195          | 42041         | 0.55%           | 0.039%        |
| 4         | 6.828       | 646           | 653         | 664          | rBV2     | 978470         | 1730795       | 22.69%          | 1.612%        |
| 5         | 6.992       | 673           | 681         | 690          | rBV      | 714124         | 1140358       | 14.95%          | 1.062%        |
| 6         | 7.187       | 707           | 714         | 722          | rBV      | 990265         | 1626098       | 21.32%          | 1.514%        |
| 7         | 7.657       | 787           | 794         | 804          | rVV      | 1390026        | 2245646       | 29.45%          | 2.091%        |
| 8         | 8.028       | 851           | 857         | 862          | rBV      | 47286          | 74402         | 0.98%           | 0.069%        |
| 9         | 8.363       | 907           | 914         | 923          | rBV      | 1157527        | 1870131       | 24.52%          | 1.741%        |
| 10        | 8.798       | 980           | 988         | 1001         | rBV      | 870987         | 1485446       | 19.48%          | 1.383%        |
| 11        | 9.522       | 1104          | 1111        | 1119         | rBV      | 692700         | 1150595       | 15.09%          | 1.071%        |
| 12        | 10.057      | 1195          | 1202        | 1212         | rBV      | 1190168        | 1954842       | 25.63%          | 1.820%        |
| 13        | 10.433      | 1259          | 1266        | 1271         | rBV      | 1829470        | 3085137       | 40.45%          | 2.873%        |
| 14        | 10.486      | 1271          | 1275        | 1282         | rVB      | 367012         | 577276        | 7.57%           | 0.538%        |
| 15        | 10.569      | 1282          | 1289        | 1300         | rBV      | 995053         | 1793642       | 23.52%          | 1.670%        |
| 16        | 12.110      | 1545          | 1551        | 1555         | rBV      | 81459          | 129281        | 1.70%           | 0.120%        |
| 17        | 12.327      | 1579          | 1588        | 1594         | rVB      | 347331         | 543087        | 7.12%           | 0.506%        |
| 18        | 13.133      | 1718          | 1725        | 1733         | rVB      | 121405         | 193524        | 2.54%           | 0.180%        |
| 19        | 13.327      | 1753          | 1758        | 1767         | rVB2     | 30455          | 67559         | 0.89%           | 0.063%        |
| 20        | 13.468      | 1770          | 1782        | 1791         | rBV3     | 94645          | 265305        | 3.48%           | 0.247%        |
| 21        | 13.621      | 1801          | 1808        | 1813         | rBV2     | 157042         | 272335        | 3.57%           | 0.254%        |
| 22        | 13.674      | 1813          | 1817        | 1819         | rVV      | 93592          | 125781        | 1.65%           | 0.117%        |
| 23        | 13.716      | 1819          | 1824        | 1829         | rVV      | 1994796        | 2746568       | 36.01%          | 2.557%        |
| 24        | 13.763      | 1829          | 1832        | 1842         | rVV      | 504227         | 677102        | 8.88%           | 0.630%        |
| 25        | 13.857      | 1844          | 1848        | 1852         | rVV      | 65100          | 102256        | 1.34%           | 0.095%        |
| 26        | 13.992      | 1863          | 1871        | 1882         | rBV      | 2314425        | 3569486       | 46.80%          | 3.324%        |
| 27        | 14.304      | 1916          | 1924        | 1929         | rBV      | 2725902        | 4200000       | 55.07%          | 3.911%        |
| 28        | 14.363      | 1929          | 1934        | 1942         | rVV      | 953901         | 1405997       | 18.44%          | 1.309%        |
| 29        | 14.427      | 1942          | 1945        | 1949         | rVB      | 44195          | 59031         | 0.77%           | 0.055%        |
| 30        | 14.498      | 1949          | 1957        | 1968         | rBV      | 734240         | 1155411       | 15.15%          | 1.076%        |
| 31        | 14.615      | 1973          | 1977        | 1981         | rVV2     | 55599          | 90364         | 1.18%           | 0.084%        |
| 32        | 14.704      | 1986          | 1992        | 2001         | rVV      | 740098         | 1358080       | 17.81%          | 1.265%        |
| 33        | 14.786      | 2001          | 2006        | 2012         | rVB2     | 46705          | 68588         | 0.90%           | 0.064%        |
| 34        | 14.927      | 2024          | 2030        | 2035         | rBV5     | 30388          | 57693         | 0.76%           | 0.054%        |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\  
 Data File : BM023269.D  
 Acq On : 18 Oct 2019 21:59  
 Operator : JU  
 Sample : K5345-12  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 ETOK5

## Integration Parameters: LSCINT.P

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

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101419MA.M  
 Title : SVOA CALIBRATION

|    |        |      |      |      |       |         |         |        |        |
|----|--------|------|------|------|-------|---------|---------|--------|--------|
| 35 | 14.980 | 2035 | 2039 | 2044 | rVB2  | 35321   | 50123   | 0.66%  | 0.047% |
| 36 | 15.104 | 2052 | 2060 | 2062 | rBV6  | 23501   | 48638   | 0.64%  | 0.045% |
| 37 | 15.133 | 2062 | 2065 | 2072 | rVB8  | 26214   | 48403   | 0.63%  | 0.045% |
| 38 | 15.298 | 2087 | 2093 | 2098 | rVV   | 3007354 | 4262678 | 55.89% | 3.969% |
| 39 | 15.351 | 2098 | 2102 | 2107 | rVV   | 1021365 | 1430540 | 18.76% | 1.332% |
| 40 | 15.415 | 2107 | 2113 | 2121 | rVV   | 724210  | 1091500 | 14.31% | 1.016% |
| 41 | 15.480 | 2121 | 2124 | 2127 | rVV2  | 78286   | 132781  | 1.74%  | 0.124% |
| 42 | 15.515 | 2127 | 2130 | 2136 | rVV3  | 135400  | 252630  | 3.31%  | 0.235% |
| 43 | 15.562 | 2136 | 2138 | 2141 | rVV4  | 35339   | 53265   | 0.70%  | 0.050% |
| 44 | 15.604 | 2141 | 2145 | 2148 | rVV   | 74677   | 109587  | 1.44%  | 0.102% |
| 45 | 15.651 | 2148 | 2153 | 2163 | rVV   | 187164  | 296010  | 3.88%  | 0.276% |
| 46 | 15.798 | 2172 | 2178 | 2186 | rVV   | 184512  | 388638  | 5.10%  | 0.362% |
| 47 | 15.886 | 2186 | 2193 | 2199 | rVB2  | 39023   | 74752   | 0.98%  | 0.070% |
| 48 | 16.021 | 2208 | 2216 | 2223 | rBV10 | 74438   | 173709  | 2.28%  | 0.162% |
| 49 | 16.145 | 2233 | 2237 | 2243 | rVB4  | 27675   | 45268   | 0.59%  | 0.042% |
| 50 | 16.315 | 2261 | 2266 | 2268 | rBV2  | 49084   | 80174   | 1.05%  | 0.075% |
| 51 | 16.357 | 2269 | 2273 | 2278 | rVV2  | 117360  | 207752  | 2.72%  | 0.193% |
| 52 | 16.404 | 2278 | 2281 | 2286 | rVV   | 51547   | 83479   | 1.09%  | 0.078% |
| 53 | 16.509 | 2293 | 2299 | 2305 | rVB4  | 56081   | 103504  | 1.36%  | 0.096% |
| 54 | 16.592 | 2310 | 2313 | 2316 | rVV   | 43476   | 63075   | 0.83%  | 0.059% |
| 55 | 16.627 | 2316 | 2319 | 2322 | rVV2  | 50267   | 73393   | 0.96%  | 0.068% |
| 56 | 16.662 | 2322 | 2325 | 2329 | rVV5  | 28095   | 46664   | 0.61%  | 0.043% |
| 57 | 16.698 | 2329 | 2331 | 2339 | rVB8  | 32117   | 65969   | 0.87%  | 0.061% |
| 58 | 16.804 | 2341 | 2349 | 2353 | rBV2  | 90639   | 216766  | 2.84%  | 0.202% |
| 59 | 16.862 | 2354 | 2359 | 2365 | rVB   | 229481  | 326908  | 4.29%  | 0.304% |
| 60 | 17.045 | 2384 | 2390 | 2394 | rVV2  | 3407636 | 5062256 | 66.38% | 4.714% |
| 61 | 17.086 | 2394 | 2397 | 2402 | rVV   | 4295138 | 5810997 | 76.20% | 5.411% |
| 62 | 17.145 | 2402 | 2407 | 2411 | rVV   | 3399249 | 4877511 | 63.96% | 4.542% |
| 63 | 17.174 | 2411 | 2412 | 2419 | rVV   | 534361  | 572272  | 7.50%  | 0.533% |
| 64 | 17.245 | 2419 | 2424 | 2429 | rVB4  | 58313   | 92211   | 1.21%  | 0.086% |
| 65 | 17.445 | 2448 | 2458 | 2464 | rBV   | 570681  | 811469  | 10.64% | 0.756% |
| 66 | 17.768 | 2509 | 2513 | 2520 | rVB3  | 30596   | 59032   | 0.77%  | 0.055% |
| 67 | 17.880 | 2529 | 2532 | 2535 | rBV2  | 33906   | 47380   | 0.62%  | 0.044% |
| 68 | 17.921 | 2535 | 2539 | 2543 | rVV   | 294415  | 408556  | 5.36%  | 0.380% |
| 69 | 17.968 | 2543 | 2547 | 2553 | rVV   | 496562  | 685061  | 8.98%  | 0.638% |
| 70 | 18.051 | 2555 | 2561 | 2566 | rVV2  | 124263  | 212531  | 2.79%  | 0.198% |
| 71 | 18.115 | 2566 | 2572 | 2576 | rVV2  | 578383  | 939668  | 12.32% | 0.875% |

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\  
 Data File : BM023269.D  
 Acq On : 18 Oct 2019 21:59  
 Operator : JU  
 Sample : K5345-12  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 ETOK5

## Integration Parameters: LSCINT.P

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

Filtering: 5  
 Min Area: 0.1 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101419MA.M  
 Title : SVOA CALIBRATION

|     |        |      |      |      |      |         |         |         |        |
|-----|--------|------|------|------|------|---------|---------|---------|--------|
| 72  | 18.151 | 2576 | 2578 | 2583 | rVB  | 159556  | 190720  | 2.50%   | 0.178% |
| 73  | 18.221 | 2586 | 2590 | 2594 | rVV  | 29746   | 39821   | 0.52%   | 0.037% |
| 74  | 18.268 | 2594 | 2598 | 2601 | rVB  | 47754   | 62970   | 0.83%   | 0.059% |
| 75  | 18.427 | 2620 | 2625 | 2629 | rBV  | 202156  | 268990  | 3.53%   | 0.250% |
| 76  | 18.680 | 2664 | 2668 | 2671 | rBV3 | 47528   | 58905   | 0.77%   | 0.055% |
| 77  | 18.762 | 2679 | 2682 | 2689 | rVB5 | 42128   | 67202   | 0.88%   | 0.063% |
| 78  | 18.845 | 2692 | 2696 | 2701 | rVB2 | 77090   | 121281  | 1.59%   | 0.113% |
| 79  | 18.915 | 2702 | 2708 | 2710 | rBV3 | 65475   | 109331  | 1.43%   | 0.102% |
| 80  | 19.109 | 2728 | 2741 | 2747 | rBV  | 2991316 | 4177611 | 54.78%  | 3.890% |
| 81  | 19.180 | 2749 | 2753 | 2756 | rBV2 | 76137   | 105196  | 1.38%   | 0.098% |
| 82  | 19.256 | 2763 | 2766 | 2769 | rVB  | 37975   | 41925   | 0.55%   | 0.039% |
| 83  | 19.439 | 2792 | 2797 | 2801 | rBV  | 5005993 | 7626354 | 100.00% | 7.101% |
| 84  | 19.468 | 2801 | 2802 | 2811 | rVV  | 2111688 | 2037295 | 26.71%  | 1.897% |
| 85  | 19.545 | 2812 | 2815 | 2824 | rVB2 | 89831   | 134506  | 1.76%   | 0.125% |
| 86  | 19.650 | 2830 | 2833 | 2837 | rBV  | 114770  | 159123  | 2.09%   | 0.148% |
| 87  | 19.815 | 2854 | 2861 | 2864 | rBV3 | 87551   | 211470  | 2.77%   | 0.197% |
| 88  | 19.845 | 2864 | 2866 | 2870 | rVB  | 69848   | 81311   | 1.07%   | 0.076% |
| 89  | 19.939 | 2879 | 2882 | 2883 | rBV3 | 55395   | 69456   | 0.91%   | 0.065% |
| 90  | 19.968 | 2884 | 2887 | 2894 | rVB  | 374976  | 522933  | 6.86%   | 0.487% |
| 91  | 20.068 | 2900 | 2904 | 2909 | rBV  | 388251  | 507137  | 6.65%   | 0.472% |
| 92  | 20.127 | 2910 | 2914 | 2918 | rVV2 | 146813  | 213869  | 2.80%   | 0.199% |
| 93  | 20.268 | 2935 | 2938 | 2942 | rBV2 | 78955   | 94020   | 1.23%   | 0.088% |
| 94  | 20.927 | 3046 | 3050 | 3054 | rBV2 | 479688  | 734571  | 9.63%   | 0.684% |
| 95  | 20.980 | 3055 | 3059 | 3064 | rVV2 | 1614697 | 2127561 | 27.90%  | 1.981% |
| 96  | 21.027 | 3064 | 3067 | 3074 | rVB  | 1981136 | 2360014 | 30.95%  | 2.198% |
| 97  | 21.233 | 3096 | 3102 | 3107 | rBV2 | 4575878 | 7061612 | 92.59%  | 6.575% |
| 98  | 21.274 | 3107 | 3109 | 3116 | rVB  | 546408  | 627998  | 8.23%   | 0.585% |
| 99  | 23.303 | 3448 | 3454 | 3460 | rBV  | 3680944 | 6466746 | 84.79%  | 6.022% |
| 100 | 23.444 | 3472 | 3478 | 3485 | rVB  | 3155711 | 5788967 | 75.91%  | 5.390% |

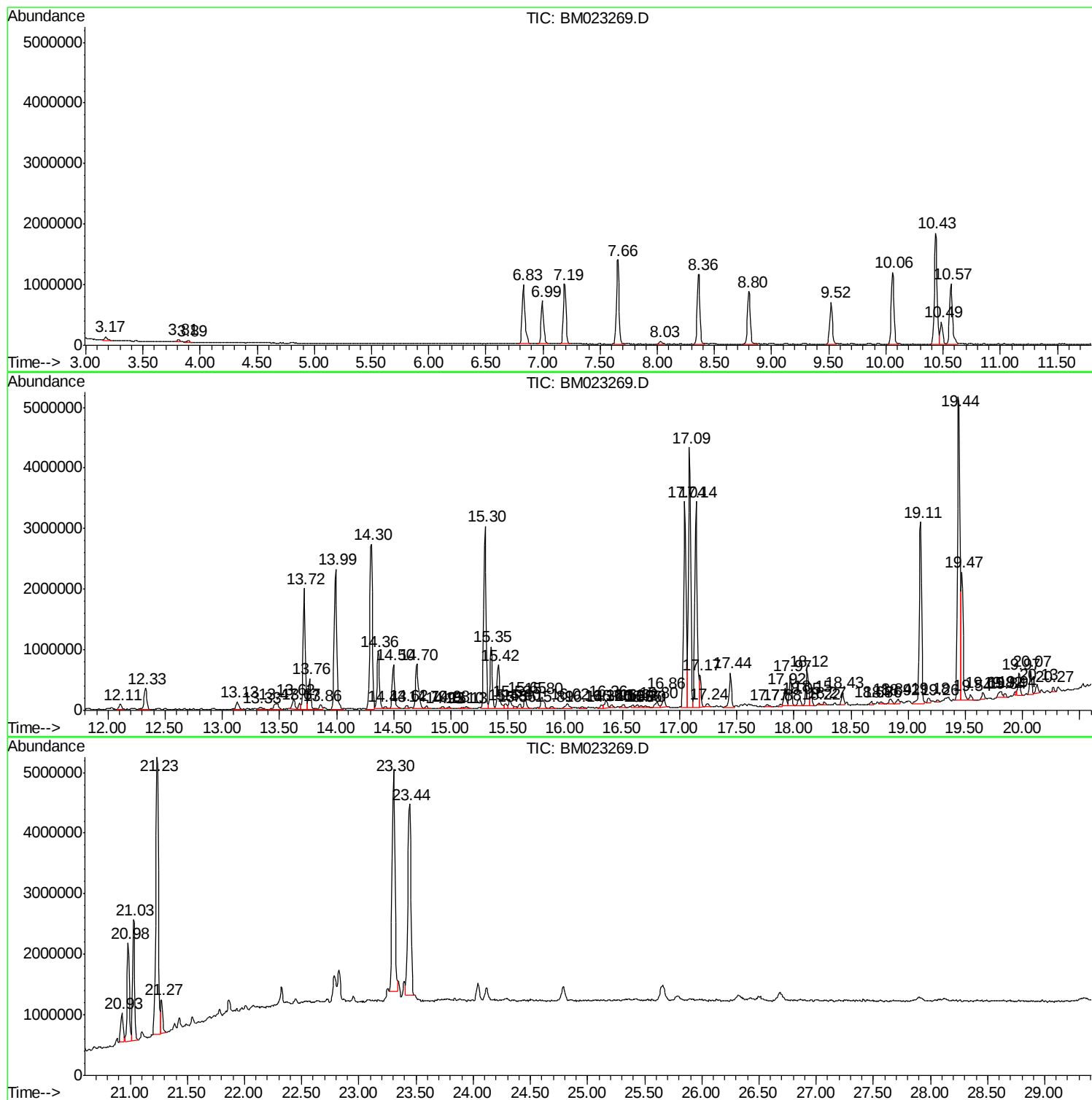
Sum of corrected areas: 107393255

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\  
Data File : BM023269.D  
Acq On : 18 Oct 2019 21:59  
Operator : JU  
Sample : K5345-12  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
ETOK5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101419MA.M  
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\  
Data File : BM023269.D  
Acq On : 18 Oct 2019 21:59  
Operator : JU  
Sample : K5345-12  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
ETOK5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101419MA.M  
Quant Title : SVOA CALIBRATION

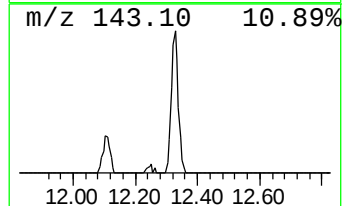
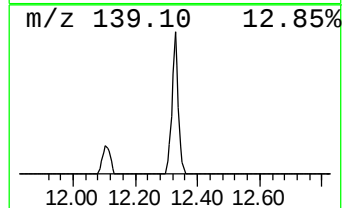
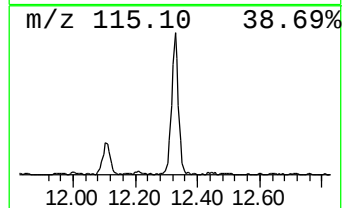
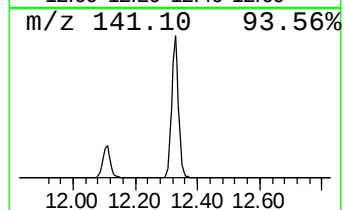
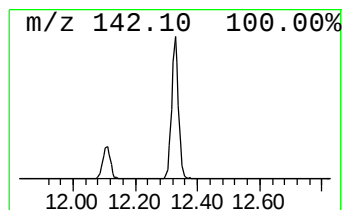
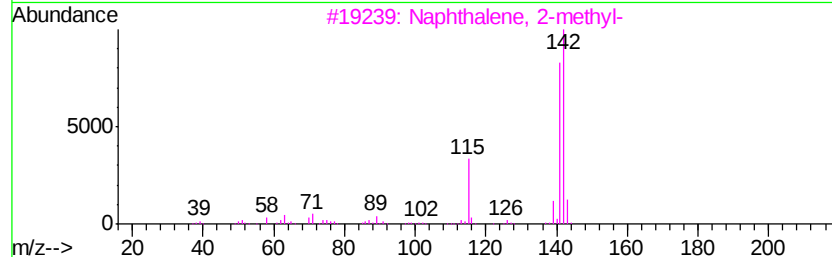
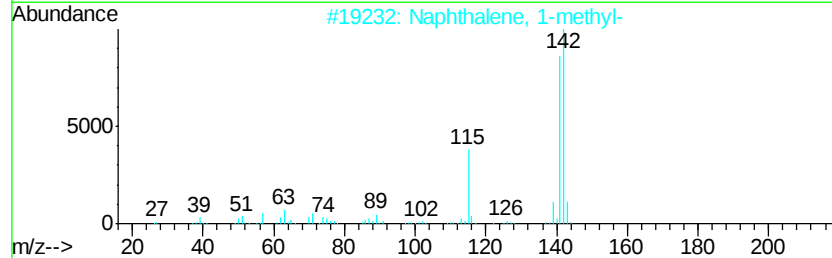
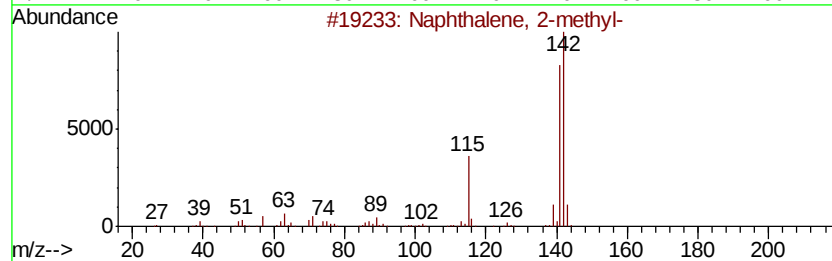
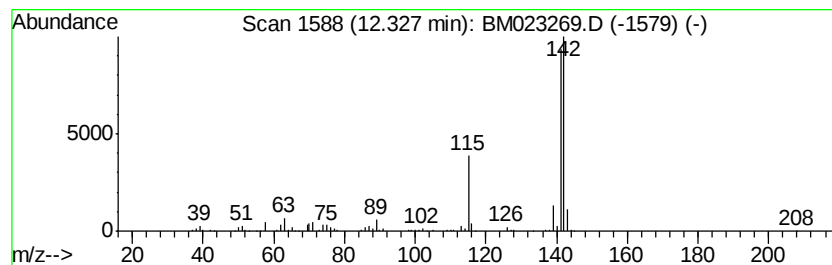
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 4

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 12.33 | 3.52 ng/ul | 543087 | Naphthalene-d8   | 10.43 |

| Hit# | of | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|------------------------|-----|---------|-------------|------|
| 1    | 5  | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 96   |
| 2    |    | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 96   |
| 3    |    | Naphthalene, 2-methyl- | 142 | C11H10  | 000091-57-6 | 96   |
| 4    |    | Naphthalene, 1-methyl- | 142 | C11H10  | 000090-12-0 | 94   |
| 5    |    | Benzocycloheptatriene  | 142 | C11H10  | 000264-09-5 | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\  
Data File : BM023269.D  
Acq On : 18 Oct 2019 21:59  
Operator : JU  
Sample : K5345-12  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
ETOK5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101419MA.M  
Quant Title : SVOA CALIBRATION

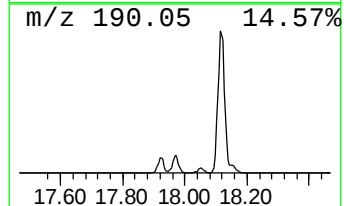
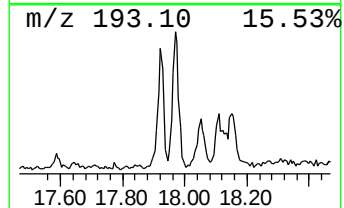
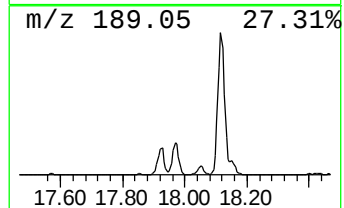
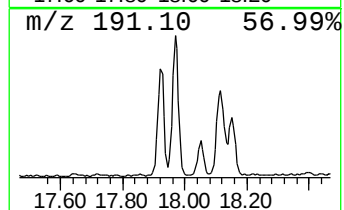
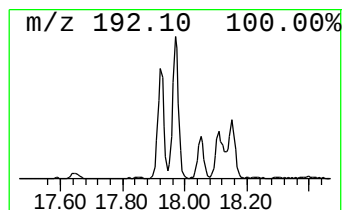
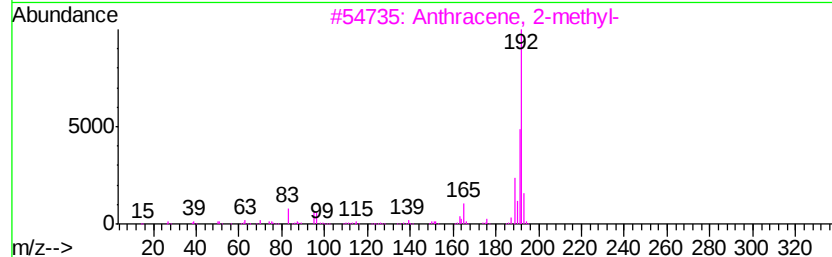
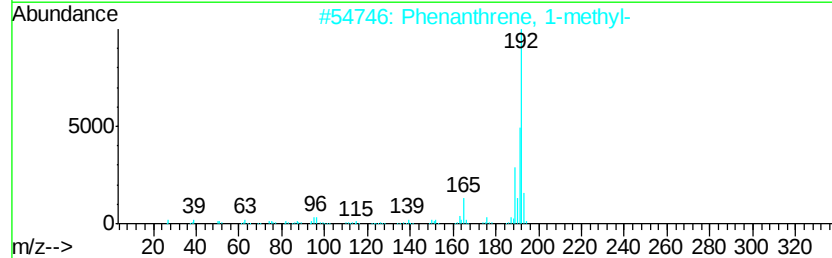
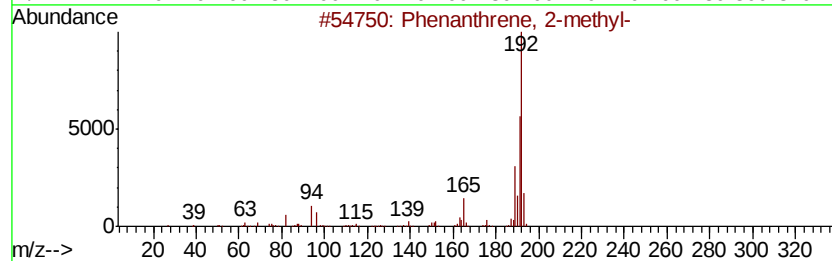
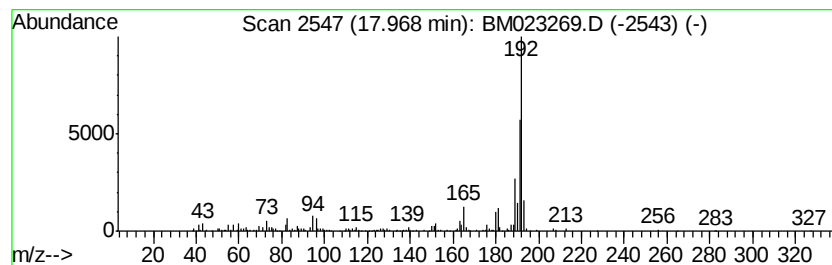
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 2 Phenanthrene, 2-methyl- Concentration Rank 5

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 17.97 | 2.71 ng/ul | 685061 | Phenanthrene-d10 | 17.04 |

| Hit# of | 5 | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|---------|---|-------------------------|-----|---------|-------------|------|
| 1       |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 97   |
| 2       |   | Phenanthrene, 1-methyl- | 192 | C15H12  | 000832-69-9 | 95   |
| 3       |   | Anthracene, 2-methyl-   | 192 | C15H12  | 000613-12-7 | 95   |
| 4       |   | Phenanthrene, 2-methyl- | 192 | C15H12  | 002531-84-2 | 95   |
| 5       |   | Phenanthrene, 3-methyl- | 192 | C15H12  | 000832-71-3 | 94   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\  
Data File : BM023269.D  
Acq On : 18 Oct 2019 21:59  
Operator : JU  
Sample : K5345-12  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
ETOK5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101419MA.M  
Quant Title : SVOA CALIBRATION

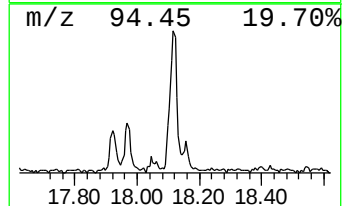
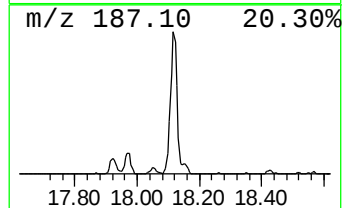
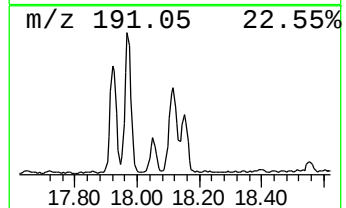
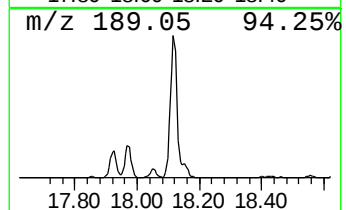
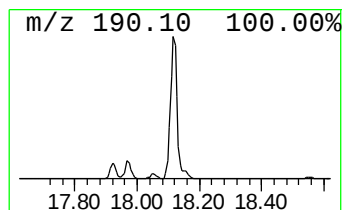
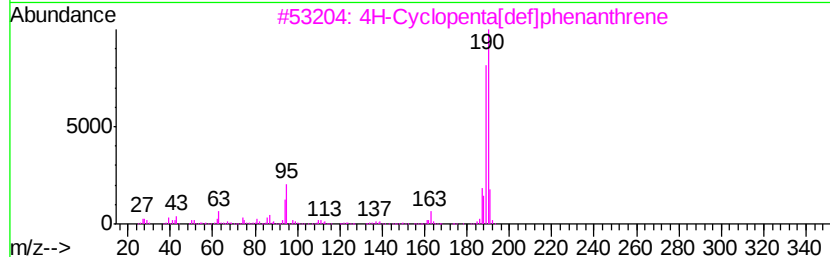
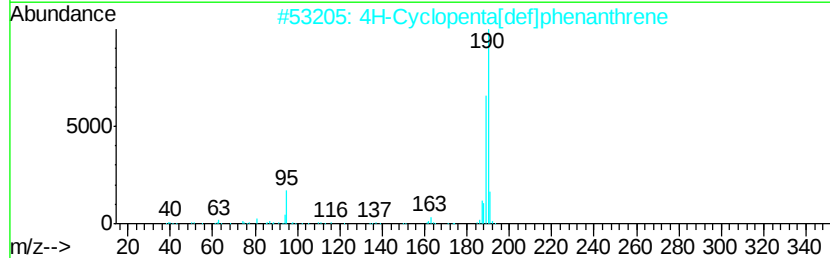
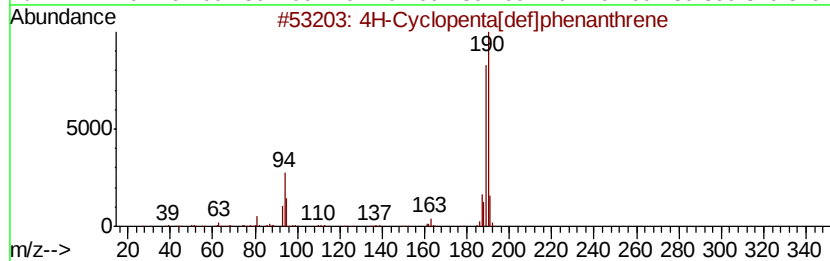
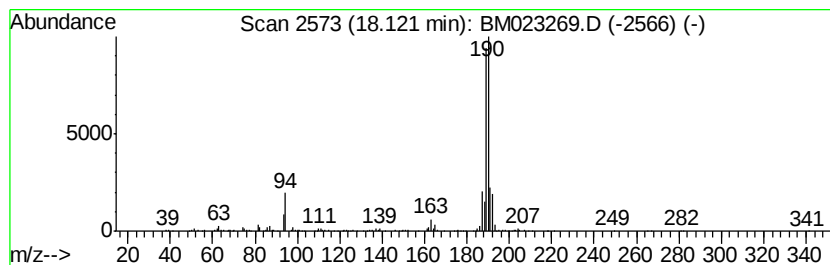
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 18.12 | 3.71 ng/ul | 939668 | Phenanthrene-d10 | 17.04 |

| Hit# of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|---------|---|-------------------------------------|-----|----------|-------------|------|
| 1       |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10   | 000203-64-5 | 81   |
| 2       |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10   | 000203-64-5 | 76   |
| 3       |   | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10   | 000203-64-5 | 68   |
| 4       |   | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 50   |
| 5       |   | 2,2'-Bis(4,5-dimethylimidazole)     | 190 | C10H14N4 | 069286-06-2 | 45   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\  
Data File : BM023269.D  
Acq On : 18 Oct 2019 21:59  
Operator : JU  
Sample : K5345-12  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
ETOK5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101419MA.M  
Quant Title : SVOA CALIBRATION

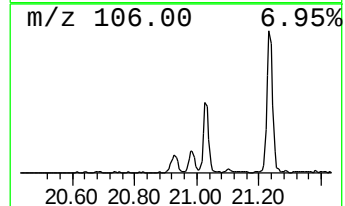
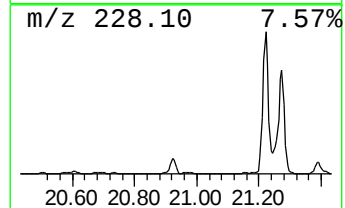
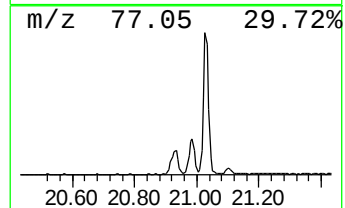
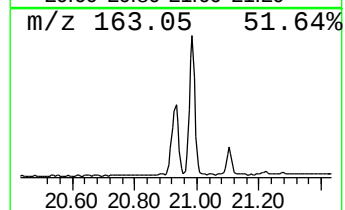
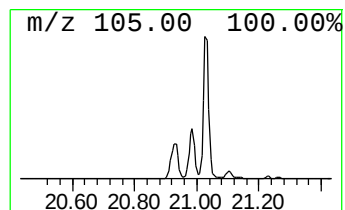
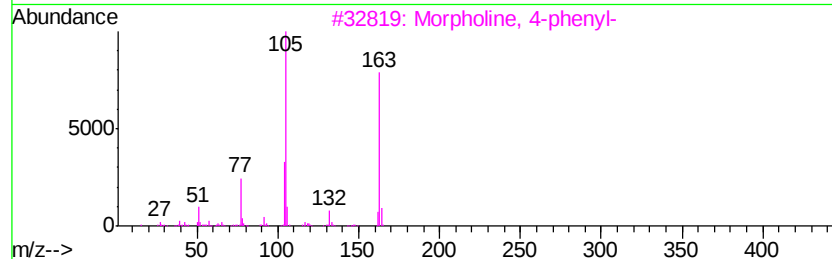
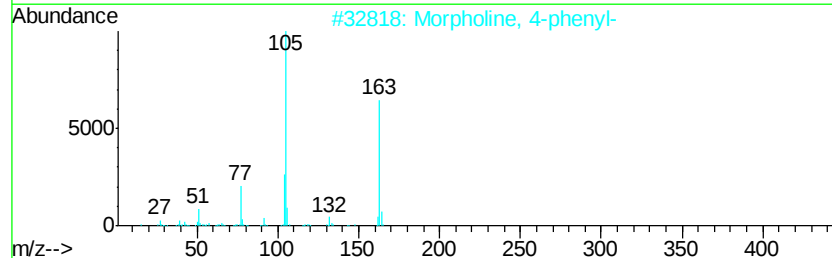
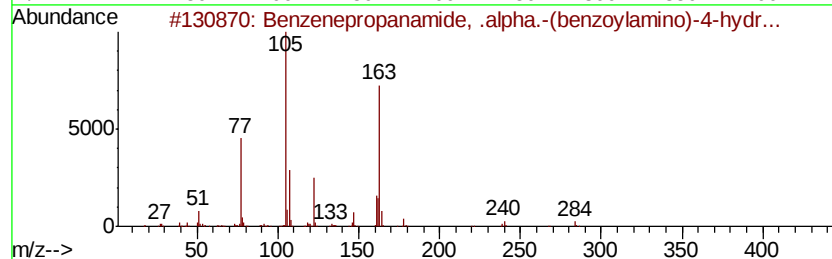
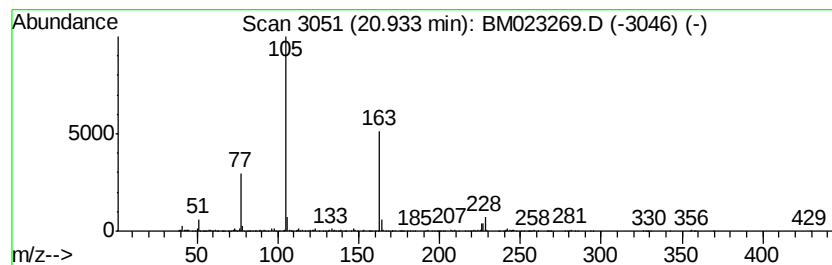
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 unknown-01 Concentration Rank 6

| R.T.  | EstConc    | Area   | Relative to ISTD | R.T.  |
|-------|------------|--------|------------------|-------|
| 20.93 | 2.08 ng/ul | 734571 | Chrysene-d12     | 21.24 |

| Hit# | of | Tentative ID                        | MW  | MolForm    | CAS#        | Qual |
|------|----|-------------------------------------|-----|------------|-------------|------|
| 1    | 5  | Benzenepropanamide, .alpha.-(ben... | 284 | C16H16N2O3 | 058690-81-6 | 45   |
| 2    |    | Morpholine, 4-phenyl-               | 163 | C10H13NO   | 000092-53-5 | 43   |
| 3    |    | Morpholine, 4-phenyl-               | 163 | C10H13NO   | 000092-53-5 | 40   |
| 4    |    | N,N-Bis(2-cyanoethyl)benzamide      | 227 | C13H13N3O  | 003232-12-0 | 35   |
| 5    |    | 3,7-Dibenzoyl-1,5-dimethyl-3,7-d... | 376 | C23H24N2O3 | 080808-90-8 | 35   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\  
Data File : BM023269.D  
Acq On : 18 Oct 2019 21:59  
Operator : JU  
Sample : K5345-12  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
ETOK5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101419MA.M  
Quant Title : SVOA CALIBRATION

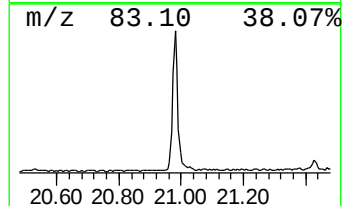
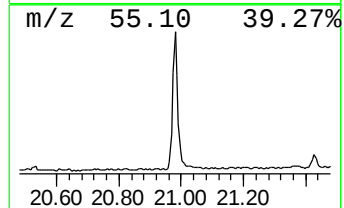
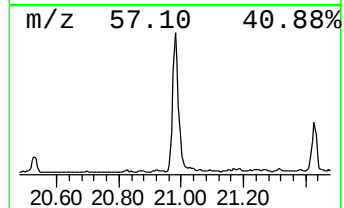
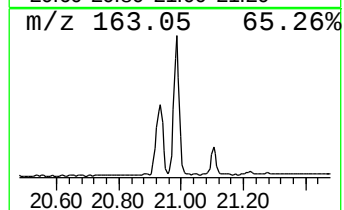
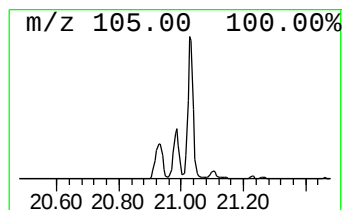
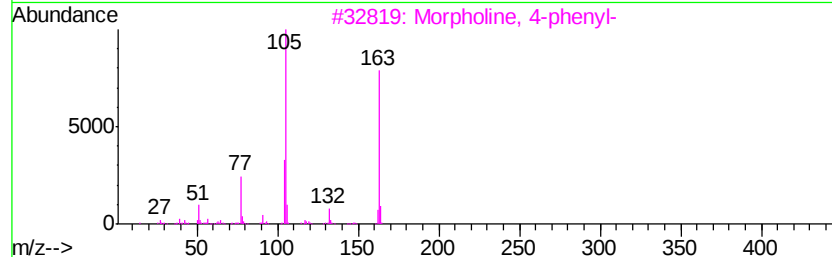
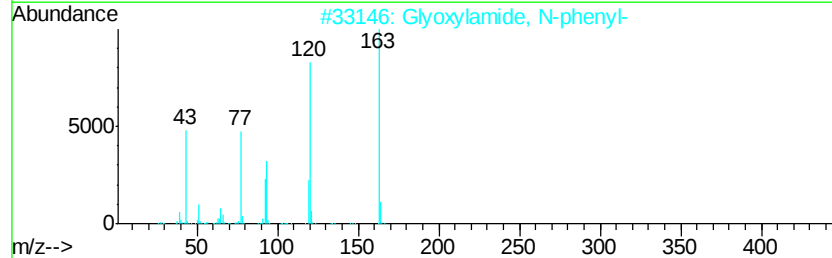
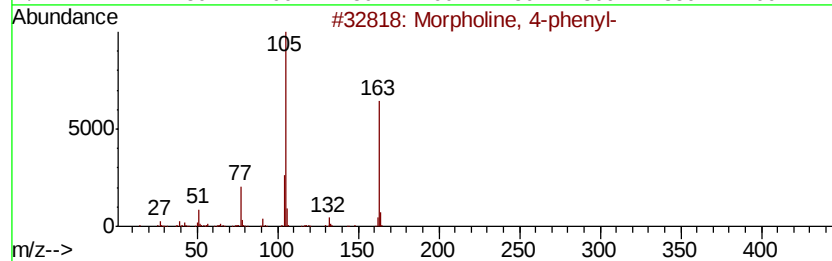
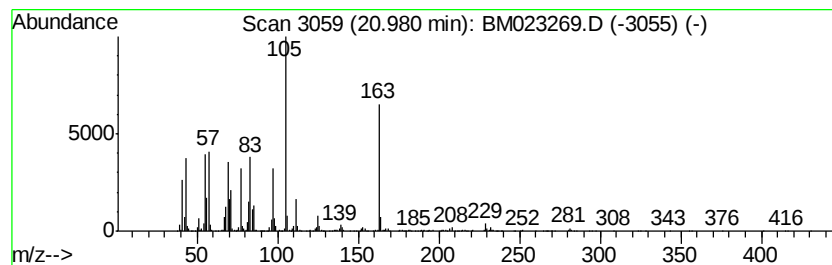
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 5 unknown-02 Concentration Rank 2

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 20.98 | 6.03 ng/ul | 2127560 | Chrysene-d12     | 21.24 |

| Hit# | of | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|------|----|-------------------------------------|-----|----------|--------------|------|
| 1    | 5  | Morpholine, 4-phenyl-               | 163 | C10H13NO | 000092-53-5  | 22   |
| 2    |    | Glyoxylamide, N-phenyl-             | 163 | C9H9NO2  | 032331-52-5  | 14   |
| 3    |    | Morpholine, 4-phenyl-               | 163 | C10H13NO | 000092-53-5  | 14   |
| 4    |    | .delta.2-1,3,4-Oxadiazolin-5-one... | 163 | C7H5N3O2 | 002845-82-1  | 10   |
| 5    |    | (1,6,6-Trimethyl-5-oxospiro[2.5]... | 236 | C14H20O3 | 1000193-22-0 | 10   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101719\  
Data File : BM023269.D  
Acq On : 18 Oct 2019 21:59  
Operator : JU  
Sample : K5345-12  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
ETOK5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101419MA.M  
Quant Title : SVOA CALIBRATION

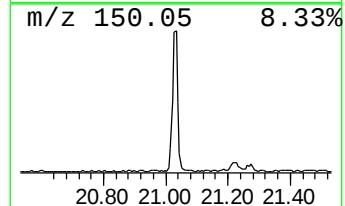
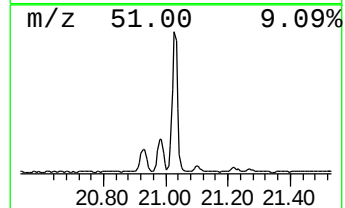
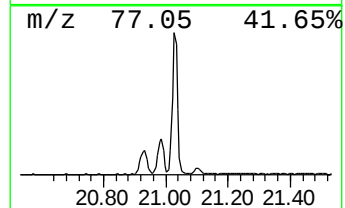
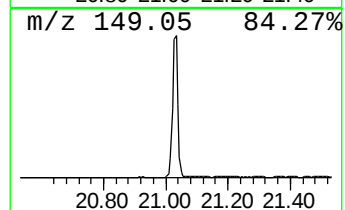
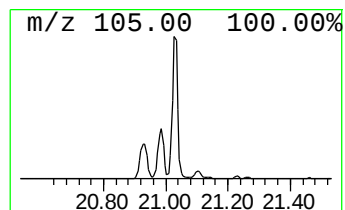
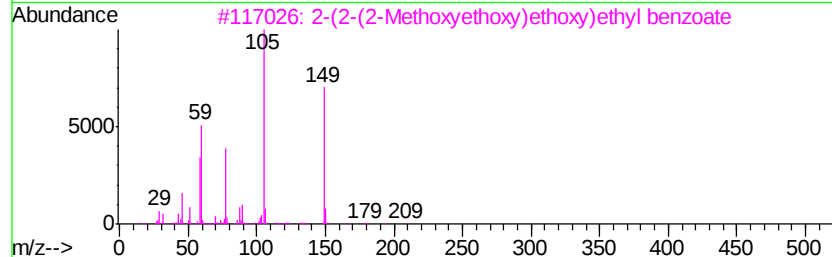
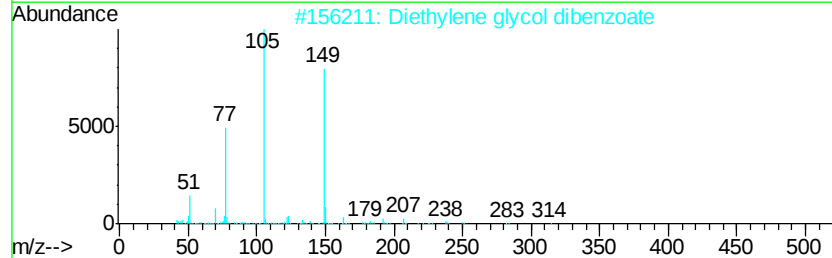
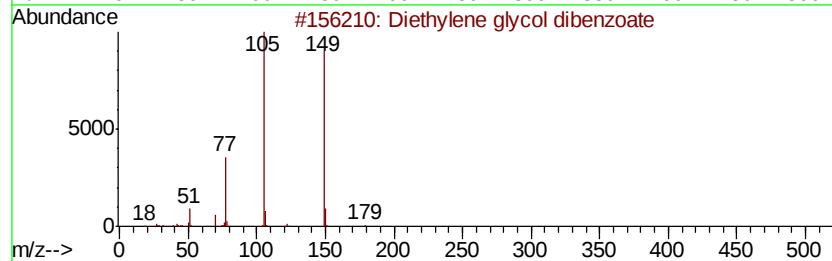
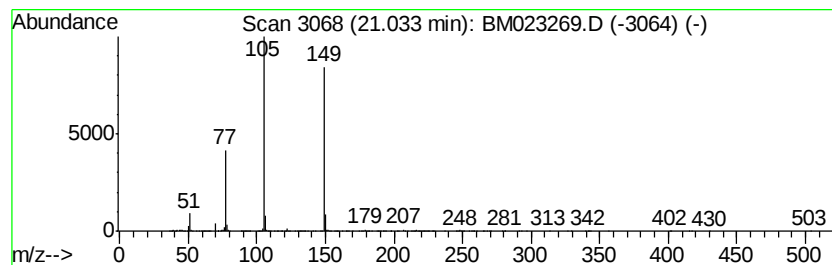
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 6 Diethylene glycol dibenzoate Concentration Rank 1

| R.T.  | EstConc    | Area    | Relative to ISTD | R.T.  |
|-------|------------|---------|------------------|-------|
| 21.03 | 6.68 ng/ul | 2360010 | Chrysene-d12     | 21.24 |

| Hit# | of | Tentative ID                        | MW  | MolForm   | CAS#         | Qual |
|------|----|-------------------------------------|-----|-----------|--------------|------|
| 1    | 5  | Diethylene glycol dibenzoate        | 314 | C18H18O5  | 000120-55-8  | 80   |
| 2    |    | Diethylene glycol dibenzoate        | 314 | C18H18O5  | 000120-55-8  | 74   |
| 3    |    | 2-(2-(2-Methoxyethoxy)ethoxy)eth... | 268 | C14H20O5  | 1000366-99-1 | 74   |
| 4    |    | Benzoic acid, 2-(4-nitrophenoxy)... | 287 | C15H13NO5 | 1000368-92-7 | 72   |
| 5    |    | 1,3-Dioxolane, 2-(methoxymethyl)... | 194 | C11H14O3  | 1000156-71-2 | 72   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM101719\  
Data File : BM023269.D  
Acq On : 18 Oct 2019 21:59  
Operator : JU  
Sample : K5345-12  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
ETOK5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\SOM-EPA-BM101419MA.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 |
| Naphthalene, 1-me... | 12.33 | 3.5     | ng/ul | 543087   | 2                     | 10.43 | 3085140 | 20.0 |
| Phenanthrene, 2-m... | 17.97 | 2.7     | ng/ul | 685061   | 4                     | 17.04 | 5062260 | 20.0 |
| 4H-Cyclopenta[def... | 18.12 | 3.7     | ng/ul | 939668   | 4                     | 17.04 | 5062260 | 20.0 |
| unknown-01           | 20.93 | 2.1     | ng/ul | 734571   | 5                     | 21.24 | 7061610 | 20.0 |
| unknown-02           | 20.98 | 6.0     | ng/ul | 2127560  | 5                     | 21.24 | 7061610 | 20.0 |
| Diethylene glycol... | 21.03 | 6.7     | ng/ul | 2360010  | 5                     | 21.24 | 7061610 | 20.0 |