

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\  
 Data File : BM014804.D  
 Acq On : 24 Apr 2018 08:04  
 Operator : SJ/JU  
 Sample : J2434-19DL 5X  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 C0AD4DL

## 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-BM041918.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         | 3.363       | 9             | 13          | 18           | rVB      | 234694         | 331498        | 3.57%           | 0.459%        |
| 2         | 4.258       | 160           | 165         | 169          | rVB2     | 84312          | 119842        | 1.29%           | 0.166%        |
| 3         | 7.646       | 734           | 741         | 751          | rVB      | 275357         | 487298        | 5.24%           | 0.675%        |
| 4         | 7.828       | 765           | 772         | 780          | rBV      | 233371         | 380123        | 4.09%           | 0.527%        |
| 5         | 8.046       | 802           | 809         | 815          | rBV      | 279483         | 472028        | 5.08%           | 0.654%        |
| 6         | 8.528       | 883           | 891         | 898          | rBV      | 1482992        | 2456913       | 26.43%          | 3.405%        |
| 7         | 9.222       | 1002          | 1009        | 1017         | rBV      | 294650         | 485285        | 5.22%           | 0.673%        |
| 8         | 9.704       | 1081          | 1091        | 1100         | rBV      | 272768         | 464758        | 5.00%           | 0.644%        |
| 9         | 10.434      | 1208          | 1215        | 1223         | rBV      | 189811         | 329493        | 3.54%           | 0.457%        |
| 10        | 10.975      | 1300          | 1307        | 1315         | rBV      | 335382         | 543315        | 5.84%           | 0.753%        |
| 11        | 11.369      | 1367          | 1374        | 1381         | rBV      | 2091696        | 3533985       | 38.02%          | 4.898%        |
| 12        | 11.492      | 1389          | 1395        | 1405         | rBV      | 253779         | 454012        | 4.88%           | 0.629%        |
| 13        | 14.516      | 1902          | 1909        | 1913         | rBV      | 563808         | 773345        | 8.32%           | 1.072%        |
| 14        | 14.563      | 1913          | 1917        | 1922         | rVB      | 105643         | 150296        | 1.62%           | 0.208%        |
| 15        | 14.827      | 1955          | 1962        | 1969         | rBV      | 632541         | 942399        | 10.14%          | 1.306%        |
| 16        | 15.127      | 2005          | 2013        | 2020         | rBV2     | 2793131        | 4323864       | 46.51%          | 5.993%        |
| 17        | 15.280      | 2033          | 2039        | 2048         | rBV      | 135103         | 210015        | 2.26%           | 0.291%        |
| 18        | 16.104      | 2171          | 2179        | 2185         | rBV      | 818480         | 1210047       | 13.02%          | 1.677%        |
| 19        | 16.204      | 2191          | 2196        | 2202         | rVB2     | 67230          | 93749         | 1.01%           | 0.130%        |
| 20        | 17.839      | 2467          | 2474        | 2479         | rBV      | 3412512        | 4932234       | 53.06%          | 6.836%        |
| 21        | 17.880      | 2479          | 2481        | 2485         | rVV      | 357328         | 411846        | 4.43%           | 0.571%        |
| 22        | 17.933      | 2485          | 2490        | 2501         | rVB2     | 811435         | 1306836       | 14.06%          | 1.811%        |
| 23        | 18.227      | 2534          | 2540        | 2546         | rVB2     | 76153          | 115734        | 1.25%           | 0.160%        |
| 24        | 18.662      | 2609          | 2614        | 2617         | rBV2     | 95169          | 134088        | 1.44%           | 0.186%        |
| 25        | 18.745      | 2623          | 2628        | 2632         | rVB3     | 89870          | 138166        | 1.49%           | 0.191%        |
| 26        | 18.892      | 2647          | 2653        | 2656         | rBV3     | 92641          | 161511        | 1.74%           | 0.224%        |
| 27        | 19.845      | 2810          | 2815        | 2820         | rVB      | 1895437        | 2485242       | 26.74%          | 3.444%        |
| 28        | 20.174      | 2865          | 2871        | 2873         | rBV2     | 1222561        | 2019381       | 21.72%          | 2.799%        |
| 29        | 20.198      | 2873          | 2875        | 2882         | rVV      | 2057751        | 2560711       | 27.55%          | 3.549%        |
| 30        | 20.368      | 2901          | 2904        | 2909         | rVB      | 107601         | 126984        | 1.37%           | 0.176%        |
| 31        | 20.433      | 2912          | 2915        | 2921         | rVB      | 152444         | 191704        | 2.06%           | 0.266%        |
| 32        | 20.509      | 2923          | 2928        | 2934         | rBV4     | 145471         | 324722        | 3.49%           | 0.450%        |
| 33        | 20.674      | 2952          | 2956        | 2961         | rVB      | 481227         | 677454        | 7.29%           | 0.939%        |
| 34        | 20.774      | 2969          | 2973        | 2976         | rBV      | 360109         | 463061        | 4.98%           | 0.642%        |

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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-BM041918.M  
Title : SVOA CALIBRATION

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 35 | 20.833 | 2981 | 2983 | 2986 | rVB2 | 165521  | 168009  | 1.81%   | 0.233%  |
| 36 | 20.968 | 3003 | 3006 | 3010 | rBV2 | 201377  | 276295  | 2.97%   | 0.383%  |
| 37 | 21.015 | 3011 | 3014 | 3020 | rVB  | 190362  | 259660  | 2.79%   | 0.360%  |
| 38 | 21.574 | 3105 | 3109 | 3111 | rBV  | 232722  | 306107  | 3.29%   | 0.424%  |
| 39 | 21.651 | 3118 | 3122 | 3126 | rBV2 | 368928  | 547269  | 5.89%   | 0.758%  |
| 40 | 21.927 | 3161 | 3169 | 3173 | rBV2 | 4536144 | 9295789 | 100.00% | 12.884% |
| 41 | 21.962 | 3173 | 3175 | 3193 | rVB2 | 2292962 | 4195245 | 45.13%  | 5.814%  |
| 42 | 22.262 | 3222 | 3226 | 3231 | rBV  | 451123  | 814602  | 8.76%   | 1.129%  |
| 43 | 23.656 | 3457 | 3463 | 3469 | rBV  | 2223977 | 5564544 | 59.86%  | 7.712%  |
| 44 | 24.203 | 3550 | 3556 | 3561 | rBV  | 1585678 | 3500361 | 37.66%  | 4.851%  |
| 45 | 24.309 | 3569 | 3574 | 3583 | rVB  | 2268710 | 4636279 | 49.88%  | 6.426%  |
| 46 | 24.421 | 3586 | 3593 | 3598 | rBV  | 2408041 | 4982390 | 53.60%  | 6.905%  |
| 47 | 26.997 | 4024 | 4031 | 4044 | rVB  | 1272513 | 3793451 | 40.81%  | 5.258%  |

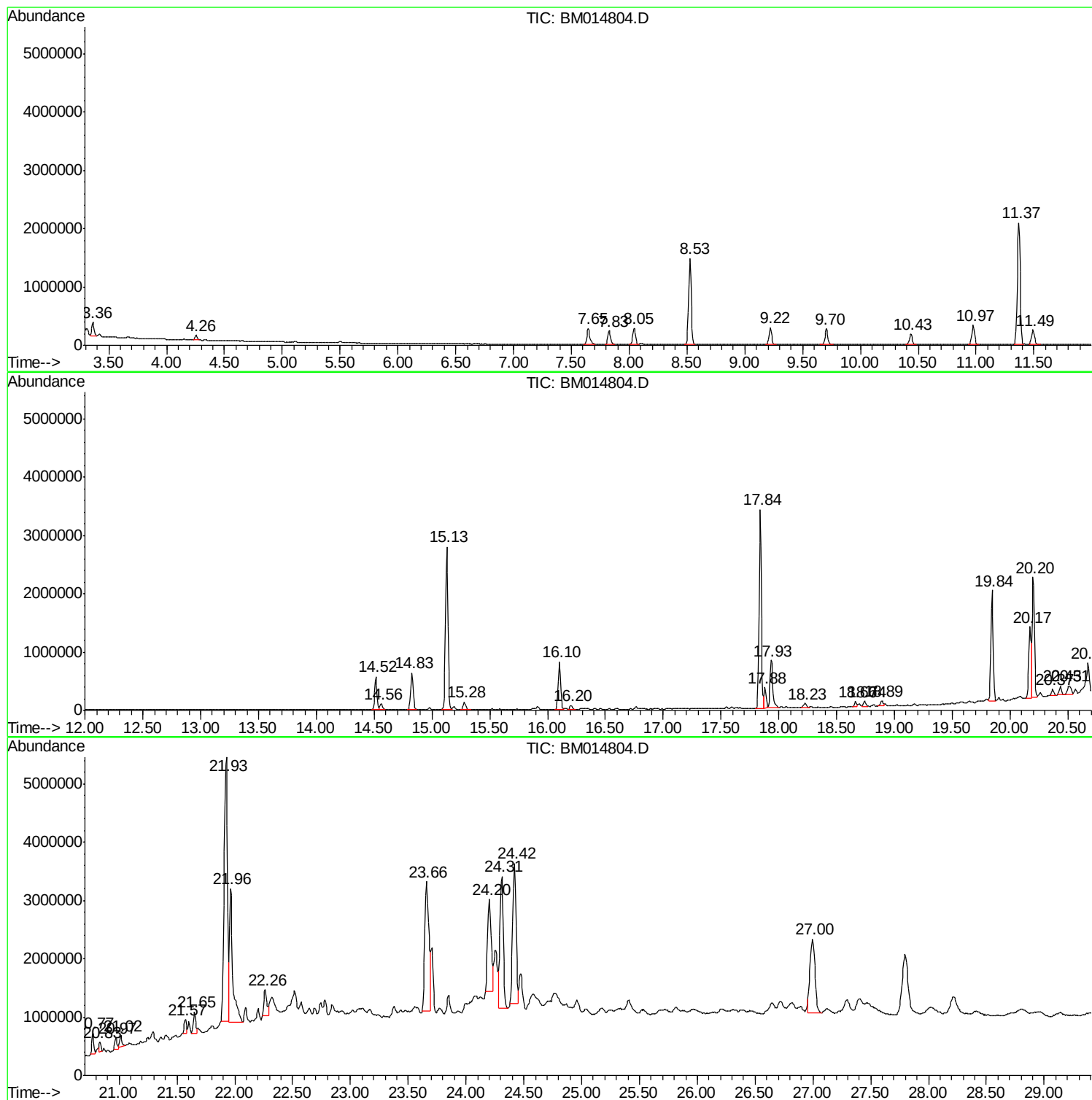
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Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M  
Quant Title : SVOA CALIBRATION

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



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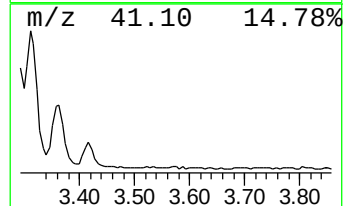
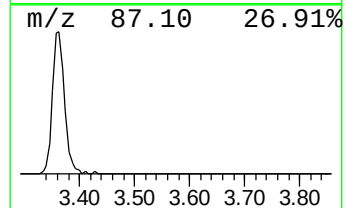
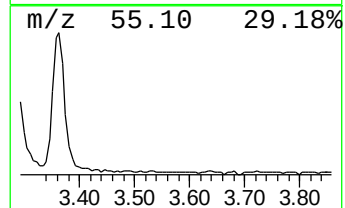
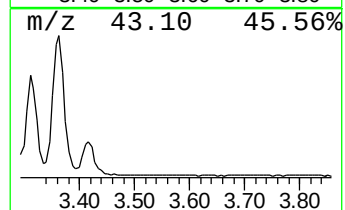
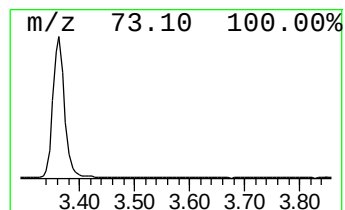
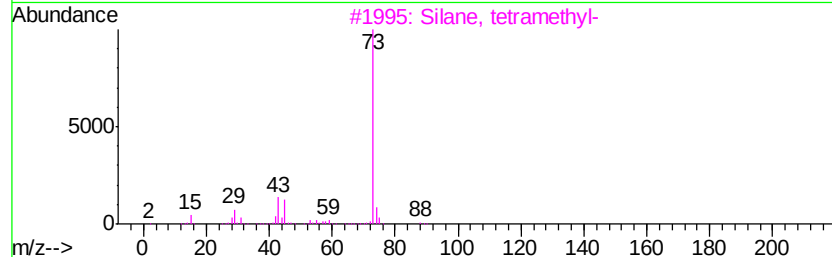
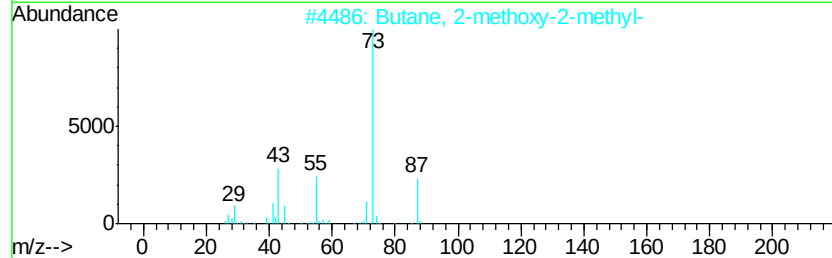
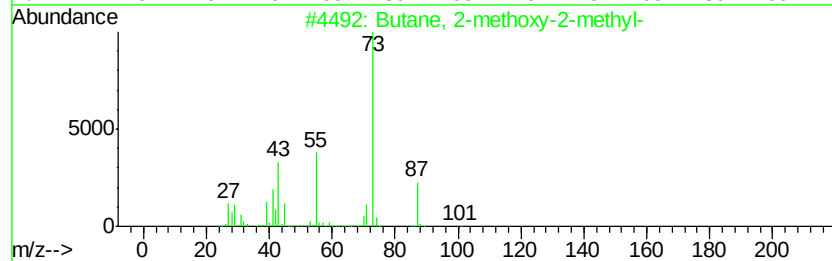
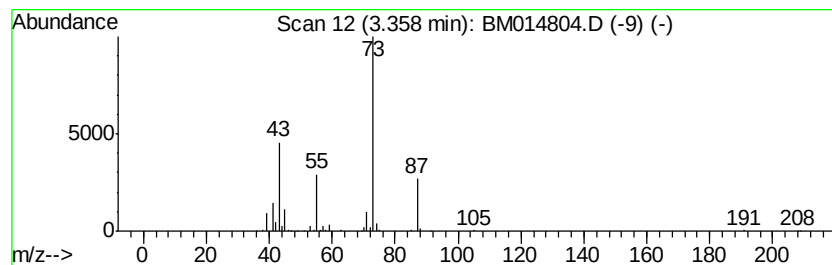
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M  
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TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

| R.T. | EstConc    | Area   | Relative to ISTD       | R.T. |
|------|------------|--------|------------------------|------|
| 3.36 | 2.70 ng/ul | 331498 | 1,4-Dichlorobenzene-d4 | 8.53 |

| Hit# | of | Tentative ID                | MW  | MolForm | CAS#        | Qual |
|------|----|-----------------------------|-----|---------|-------------|------|
| 1    | 5  | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 2    |    | Butane, 2-methoxy-2-methyl- | 102 | C6H14O  | 000994-05-8 | 78   |
| 3    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 25   |
| 4    |    | Silane, tetramethyl-        | 88  | C4H12Si | 000075-76-3 | 25   |
| 5    |    | 2-Methyl-5-hexen-3-ol       | 114 | C7H14O  | 032815-70-6 | 25   |



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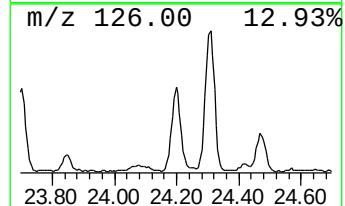
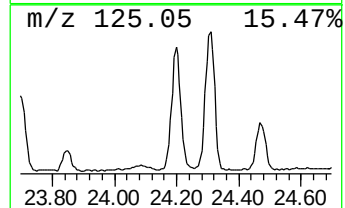
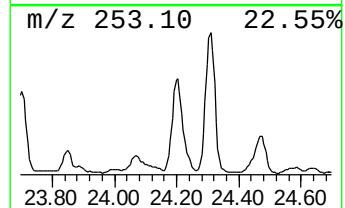
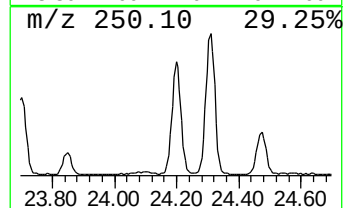
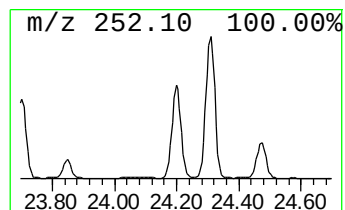
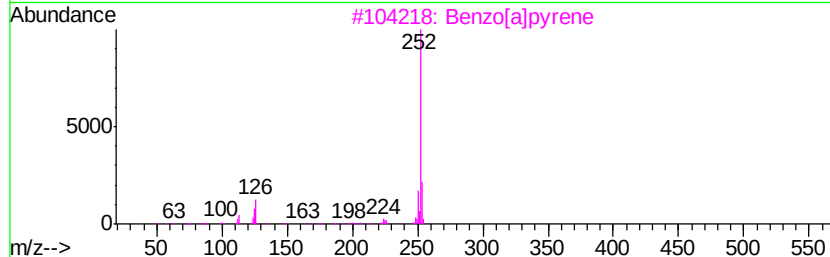
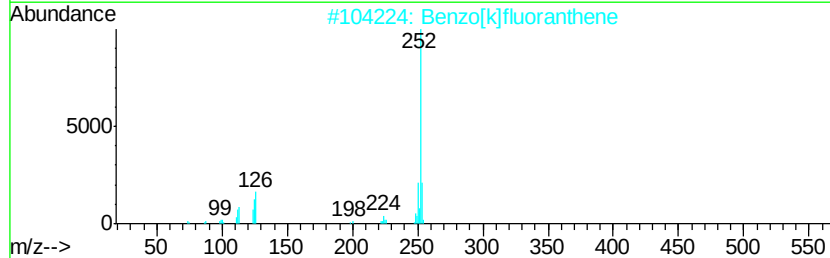
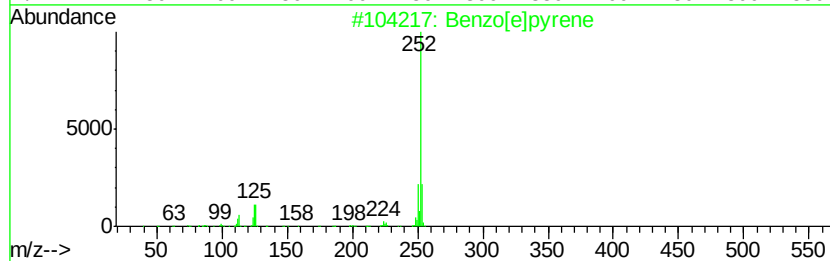
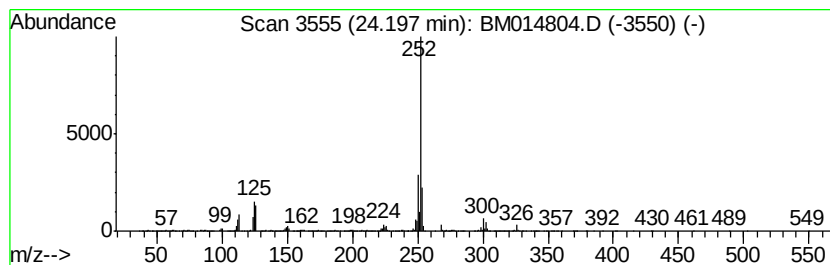
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Peak Number 2 Benzo[e]pyrene Concentration Rank 1

| R.T.  | EstConc     | Area    | Relative to ISTD | R.T.  |
|-------|-------------|---------|------------------|-------|
| 24.20 | 14.05 ng/ul | 3500360 | Perylene-d12     | 24.42 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[e]pyrene            | 252 | C20H12  | 000192-97-2 | 99   |
| 2    |    | Benzo[k]fluoranthene      | 252 | C20H12  | 000207-08-9 | 98   |
| 3    |    | Benzo[a]pyrene            | 252 | C20H12  | 000050-32-8 | 98   |
| 4    |    | Benzo[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 97   |
| 5    |    | Perylene                  | 252 | C20H12  | 000198-55-0 | 94   |



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| TIC Top Hit name     | RT    | EstConc | Units | Response | ---Internal Standard--- |       |         |      |
|----------------------|-------|---------|-------|----------|-------------------------|-------|---------|------|
|                      |       |         |       |          | #                       | RT    | Resp    | Conc |
| Butane, 2-methoxy... | 3.36  | 2.7     | ng/ul | 331498   | 1                       | 8.53  | 2456910 | 20.0 |
| Benzo[e]pyrene       | 24.20 | 14.1    | ng/ul | 3500360  | 6                       | 24.42 | 4982390 | 20.0 |