

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV112322\  
 Data File : VV029338.D  
 Acq On : 24 Nov 2022 09:43  
 Operator : SY/MD  
 Sample : N5725-09DL 20X  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BHB65DL

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.1

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112322WMA.M  
 Title : TRACE VOA SFAM1.0

Signal : TIC: VV029338.D\data.ms

| 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         | 1.217       | 50            | 55          | 61           | rBV      | 23168          | 20493         | 2.12%           | 0.233%        |
| 2         | 1.304       | 76            | 82          | 98           | rVB      | 122997         | 129379        | 13.41%          | 1.470%        |
| 3         | 1.565       | 156           | 163         | 174          | rVB      | 101172         | 112783        | 11.69%          | 1.281%        |
| 4         | 2.105       | 321           | 331         | 347          | rBV2     | 176524         | 268884        | 27.88%          | 3.055%        |
| 5         | 2.503       | 444           | 455         | 469          | rBV      | 42988          | 74073         | 7.68%           | 0.842%        |
| 6         | 3.185       | 654           | 667         | 683          | rBV      | 32352          | 70097         | 7.27%           | 0.796%        |
| 7         | 3.905       | 872           | 891         | 949          | rBV3     | 260729         | 887273        | 92.00%          | 10.081%       |
| 8         | 4.339       | 1009          | 1026        | 1055         | rBV      | 131131         | 335694        | 34.81%          | 3.814%        |
| 9         | 4.600       | 1090          | 1107        | 1127         | rBV2     | 41340          | 103618        | 10.74%          | 1.177%        |
| 10        | 5.040       | 1227          | 1244        | 1278         | rBV2     | 320216         | 815565        | 84.56%          | 9.266%        |
| 11        | 5.609       | 1409          | 1421        | 1452         | rBV2     | 224067         | 465283        | 48.24%          | 5.286%        |
| 12        | 5.908       | 1501          | 1514        | 1537         | rBV2     | 60011          | 126907        | 13.16%          | 1.442%        |
| 13        | 6.063       | 1546          | 1562        | 1595         | rBV      | 181112         | 381399        | 39.55%          | 4.333%        |
| 14        | 6.979       | 1836          | 1847        | 1879         | rBV      | 85334          | 163777        | 16.98%          | 1.861%        |
| 15        | 7.307       | 1936          | 1949        | 1980         | rBV      | 351741         | 647092        | 67.09%          | 7.352%        |
| 16        | 7.616       | 2035          | 2045        | 2070         | rBV      | 50745          | 95265         | 9.88%           | 1.082%        |
| 17        | 8.088       | 2180          | 2192        | 2232         | rBV2     | 353642         | 755505        | 78.34%          | 8.584%        |
| 18        | 8.844       | 2415          | 2427        | 2450         | rBV      | 300491         | 501548        | 52.00%          | 5.698%        |
| 19        | 10.207      | 2839          | 2851        | 2872         | rBV      | 130728         | 207101        | 21.47%          | 2.353%        |
| 20        | 11.239      | 3161          | 3172        | 3193         | rBV      | 296512         | 457380        | 47.42%          | 5.197%        |
| 21        | 11.519      | 3249          | 3259        | 3274         | rBV      | 14121          | 25908         | 2.69%           | 0.294%        |
| 22        | 11.612      | 3276          | 3288        | 3306         | rBV      | 325619         | 517257        | 53.63%          | 5.877%        |
| 23        | 11.738      | 3318          | 3327        | 3341         | rVB      | 14319          | 22584         | 2.34%           | 0.257%        |
| 24        | 12.349      | 3506          | 3517        | 3526         | rBV      | 6068           | 11954         | 1.24%           | 0.136%        |
| 25        | 12.455      | 3542          | 3550        | 3561         | rBV3     | 9715           | 17066         | 1.77%           | 0.194%        |
| 26        | 13.490      | 3839          | 3872        | 3889         | rBV      | 554022         | 964451        | 100.00%         | 10.958%       |
| 27        | 13.612      | 3895          | 3910        | 3921         | rVB      | 52724          | 91051         | 9.44%           | 1.034%        |
| 28        | 14.564      | 4194          | 4206        | 4213         | rBV2     | 12078          | 21984         | 2.28%           | 0.250%        |
| 29        | 14.619      | 4213          | 4223        | 4236         | rVB      | 35615          | 61387         | 6.36%           | 0.697%        |
| 30        | 14.799      | 4266          | 4279        | 4293         | rVB      | 217411         | 384055        | 39.82%          | 4.364%        |
| 31        | 15.349      | 4441          | 4450        | 4461         | rBV      | 29188          | 43514         | 4.51%           | 0.494%        |
| 32        | 16.468      | 4791          | 4798        | 4809         | rVB4     | 14417          | 21204         | 2.20%           | 0.241%        |

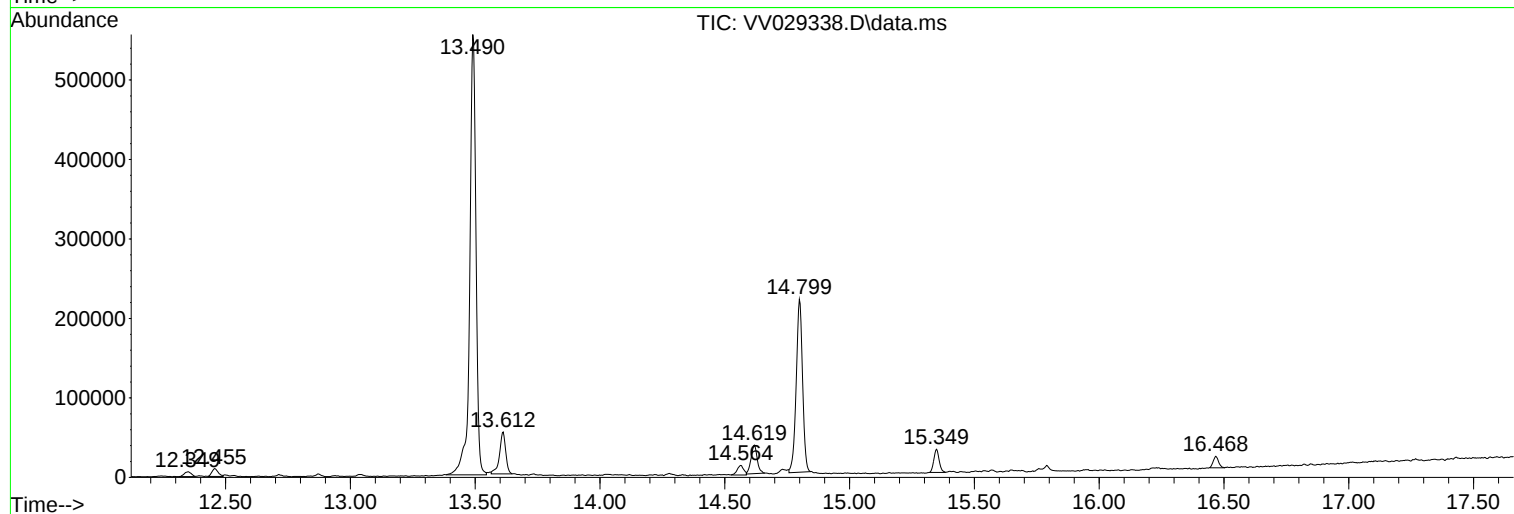
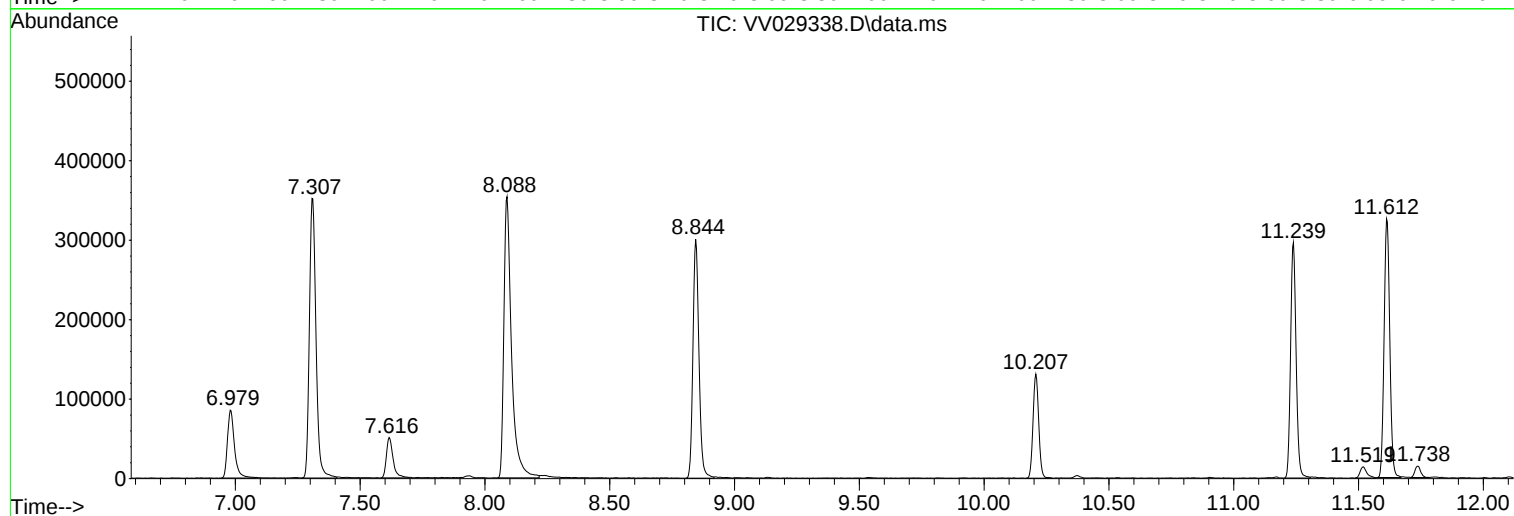
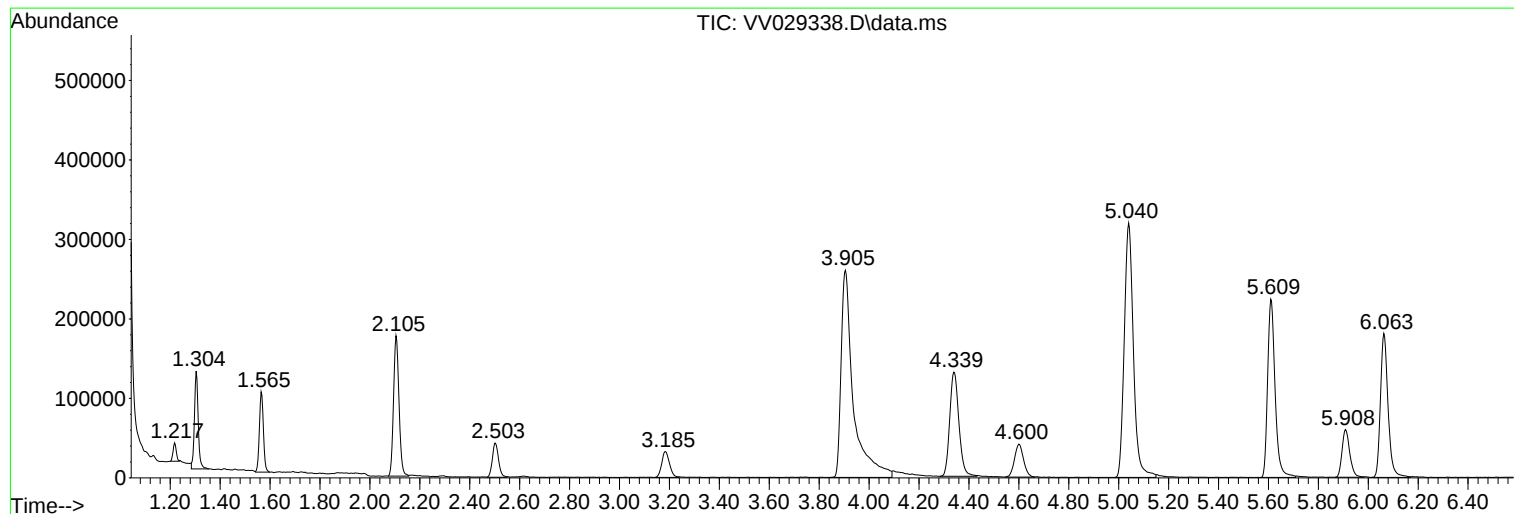
Sum of corrected areas: 8801531

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ALS Vial : 45 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BHB65DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112322WMA.M  
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P



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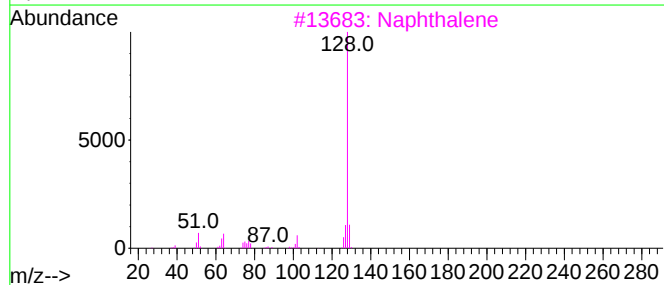
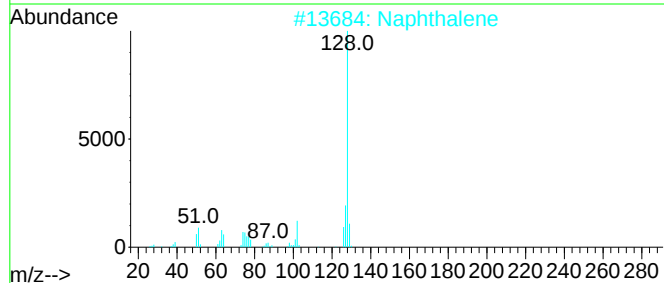
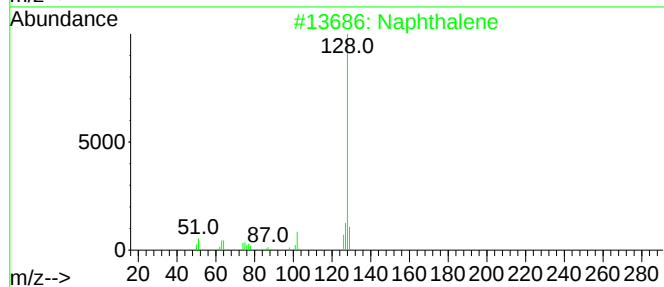
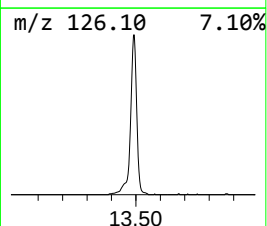
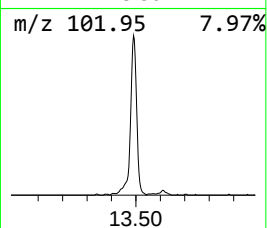
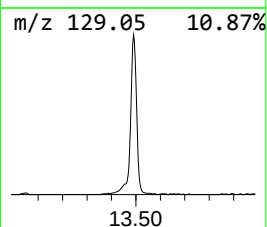
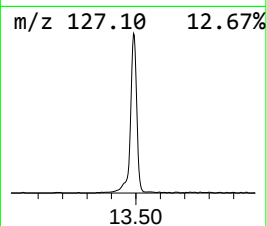
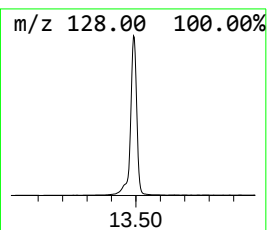
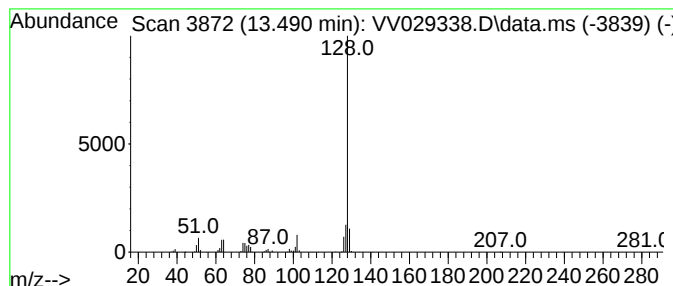
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Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 Azulene Concentration Rank 1

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 13.490 | 10.54 ug/L | 964451 | 1,4-Dichlorobenzene-d4 | 11.240 |

| Hit# | of | 5 | Tentative ID | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene  | 128 | C10H8   | 000091-20-3 | 95   |
| 2    |    |   | Naphthalene  | 128 | C10H8   | 000091-20-3 | 94   |
| 3    |    |   | Naphthalene  | 128 | C10H8   | 000091-20-3 | 94   |
| 4    |    |   | Azulene      | 128 | C10H8   | 000275-51-4 | 93   |
| 5    |    |   | Azulene      | 128 | C10H8   | 000275-51-4 | 91   |



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MSVOA\_V  
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BHB65DL

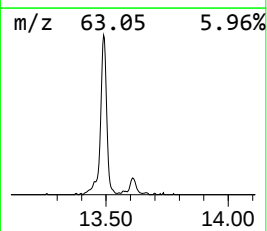
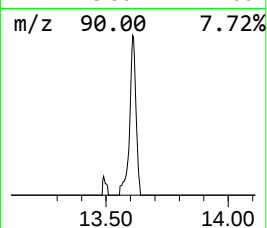
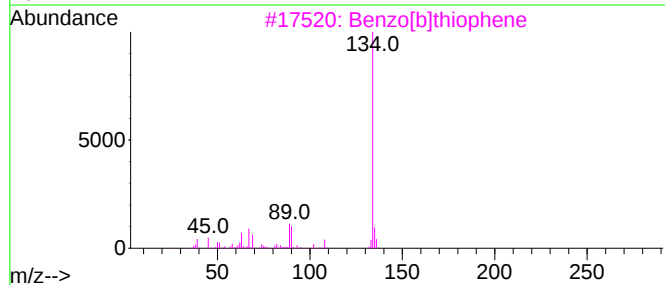
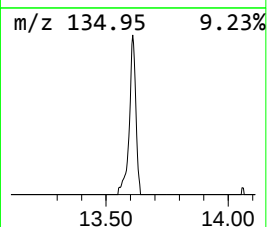
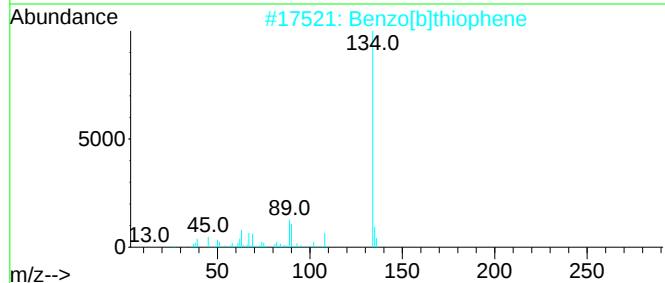
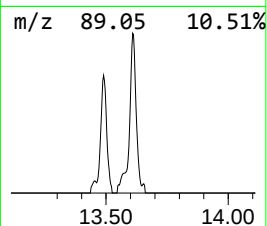
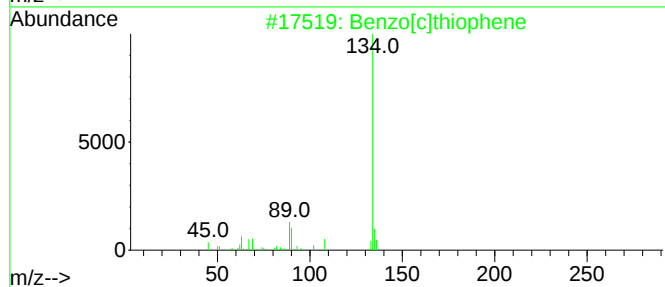
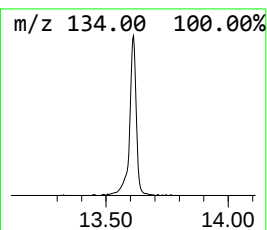
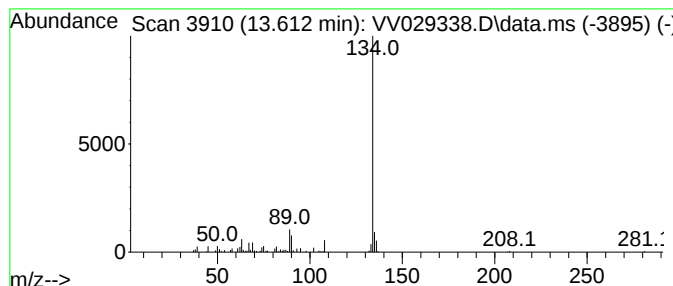
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112322WMA.M  
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Benzo[c]thiophene Concentration Rank 4

| R.T.   | EstConc   | Area  | Relative to ISTD       | R.T.   |
|--------|-----------|-------|------------------------|--------|
| 13.612 | 1.00 ug/L | 91051 | 1,4-Dichlorobenzene-d4 | 11.240 |

| Hit# | of | 5 | Tentative ID           | MW  | MolForm | CAS#        | Qual |
|------|----|---|------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzo[c]thiophene      | 134 | C8H6S   | 000270-82-6 | 95   |
| 2    |    |   | Benzo[b]thiophene      | 134 | C8H6S   | 000095-15-8 | 93   |
| 3    |    |   | Benzo[b]thiophene      | 134 | C8H6S   | 000095-15-8 | 91   |
| 4    |    |   | Benzo[b]thiophene      | 134 | C8H6S   | 000095-15-8 | 91   |
| 5    |    |   | Cyclopenta[c]thiapyran | 134 | C8H6S   | 000270-63-3 | 86   |



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MSVOA\_V  
ClientSampleId :  
BHB65DL

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112322WMA.M  
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

| TIC Top Hit name  | RT     | EstConc | Units | Response | --Internal Standard-- |        |        |      |
|-------------------|--------|---------|-------|----------|-----------------------|--------|--------|------|
|                   |        |         |       |          | #                     | RT     | Resp   | Conc |
| Azulene           | 13.490 | 10.5    | ug/L  | 964451   | 3                     | 11.240 | 457380 | 5.0  |
| Benzo[c]thiophene | 13.612 | 1.0     | ug/L  | 91051    | 3                     | 11.240 | 457380 | 5.0  |