

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080422\  
 Data File : VN073738.D  
 Acq On : 04 Aug 2022 15:55  
 Operator : JC\MD  
 Sample : N3887-04  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-10

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

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\_N\methods\82N072822W.M  
 Title : SW846 8260

Signal : TIC: VN073738.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         | 2.204       | 48            | 54          | 61           | rBV      | 43354          | 93012         | 4.01%           | 0.548%        |
| 2         | 2.334       | 62            | 76          | 78           | rBV4     | 19349          | 62048         | 2.67%           | 0.365%        |
| 3         | 2.693       | 134           | 137         | 147          | rVB3     | 23077          | 59736         | 2.57%           | 0.352%        |
| 4         | 3.081       | 197           | 203         | 219          | rVB4     | 35460          | 101635        | 4.38%           | 0.598%        |
| 5         | 4.240       | 392           | 400         | 411          | rVB2     | 10004          | 27580         | 1.19%           | 0.162%        |
| 6         | 4.510       | 439           | 446         | 457          | rBV2     | 12523          | 40424         | 1.74%           | 0.238%        |
| 7         | 5.534       | 608           | 620         | 637          | rBV4     | 14582          | 53741         | 2.32%           | 0.316%        |
| 8         | 7.063       | 872           | 880         | 889          | rBV3     | 21823          | 62652         | 2.70%           | 0.369%        |
| 9         | 7.951       | 1022          | 1031        | 1036         | rBV      | 300782         | 713691        | 30.76%          | 4.202%        |
| 10        | 8.016       | 1036          | 1042        | 1055         | rVB      | 532963         | 1233799       | 53.17%          | 7.264%        |
| 11        | 8.369       | 1093          | 1102        | 1116         | rBV      | 287855         | 664963        | 28.66%          | 3.915%        |
| 12        | 8.904       | 1184          | 1193        | 1207         | rBV      | 729384         | 1511026       | 65.11%          | 8.897%        |
| 13        | 10.139      | 1397          | 1403        | 1410         | rBV2     | 16527          | 32998         | 1.42%           | 0.194%        |
| 14        | 10.380      | 1434          | 1444        | 1459         | rBV      | 1043561        | 1948653       | 83.97%          | 11.473%       |
| 15        | 11.527      | 1622          | 1639        | 1640         | rBV10    | 22150          | 77110         | 3.32%           | 0.454%        |
| 16        | 11.686      | 1658          | 1666        | 1678         | rVB      | 1060831        | 1868942       | 80.54%          | 11.004%       |
| 17        | 12.521      | 1803          | 1808        | 1813         | rBV4     | 12320          | 29914         | 1.29%           | 0.176%        |
| 18        | 12.674      | 1822          | 1834        | 1846         | rBV      | 950843         | 1727142       | 74.43%          | 10.169%       |
| 19        | 13.086      | 1884          | 1904        | 1905         | rBV3     | 109241         | 338617        | 14.59%          | 1.994%        |
| 20        | 13.504      | 1958          | 1975        | 1987         | rBV2     | 296305         | 1339575       | 57.73%          | 7.887%        |
| 21        | 13.615      | 1987          | 1994        | 2008         | rVB      | 1242978        | 2320556       | 100.00%         | 13.663%       |
| 22        | 13.786      | 2018          | 2023        | 2024         | rBV5     | 22789          | 35308         | 1.52%           | 0.208%        |
| 23        | 13.815      | 2024          | 2028        | 2034         | rVB      | 79030          | 134468        | 5.79%           | 0.792%        |
| 24        | 14.021      | 2054          | 2063        | 2069         | rBV3     | 56623          | 191474        | 8.25%           | 1.127%        |
| 25        | 14.104      | 2070          | 2077        | 2091         | rVV3     | 111189         | 457062        | 19.70%          | 2.691%        |
| 26        | 14.210      | 2092          | 2095        | 2100         | rVV6     | 15208          | 32252         | 1.39%           | 0.190%        |
| 27        | 14.268      | 2100          | 2105        | 2111         | rVB      | 47033          | 82762         | 3.57%           | 0.487%        |
| 28        | 14.439      | 2120          | 2134        | 2149         | rBV5     | 66173          | 307465        | 13.25%          | 1.810%        |
| 29        | 14.751      | 2182          | 2187        | 2190         | rBV      | 21302          | 33566         | 1.45%           | 0.198%        |
| 30        | 14.862      | 2201          | 2206        | 2213         | rVB3     | 34840          | 67836         | 2.92%           | 0.399%        |
| 31        | 15.015      | 2224          | 2232        | 2237         | rBV3     | 18624          | 57939         | 2.50%           | 0.341%        |
| 32        | 15.233      | 2257          | 2269        | 2276         | rBV6     | 21921          | 84216         | 3.63%           | 0.496%        |
| 33        | 15.433      | 2292          | 2303        | 2310         | rBV      | 81444          | 206206        | 8.89%           | 1.214%        |
| 34        | 15.645      | 2334          | 2339        | 2349         | rVB3     | 36771          | 110212        | 4.75%           | 0.649%        |
| 35        | 15.780      | 2349          | 2362        | 2374         | rBV7     | 27400          | 115491        | 4.98%           | 0.680%        |
| 36        | 16.121      | 2411          | 2420        | 2431         | rVB6     | 37818          | 127140        | 5.48%           | 0.749%        |

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Sample : N3887-04  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-10

Integration Parameters: RTEINT.P  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 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\_N\methods\82N072822W.M  
Title : SW846 8260

|    |        |      |      |      |     |        |        |        |        |
|----|--------|------|------|------|-----|--------|--------|--------|--------|
| 37 | 16.533 | 2481 | 2490 | 2502 | rBV | 126388 | 319250 | 13.76% | 1.880% |
| 38 | 16.733 | 2516 | 2524 | 2533 | rBV | 128806 | 314021 | 13.53% | 1.849% |

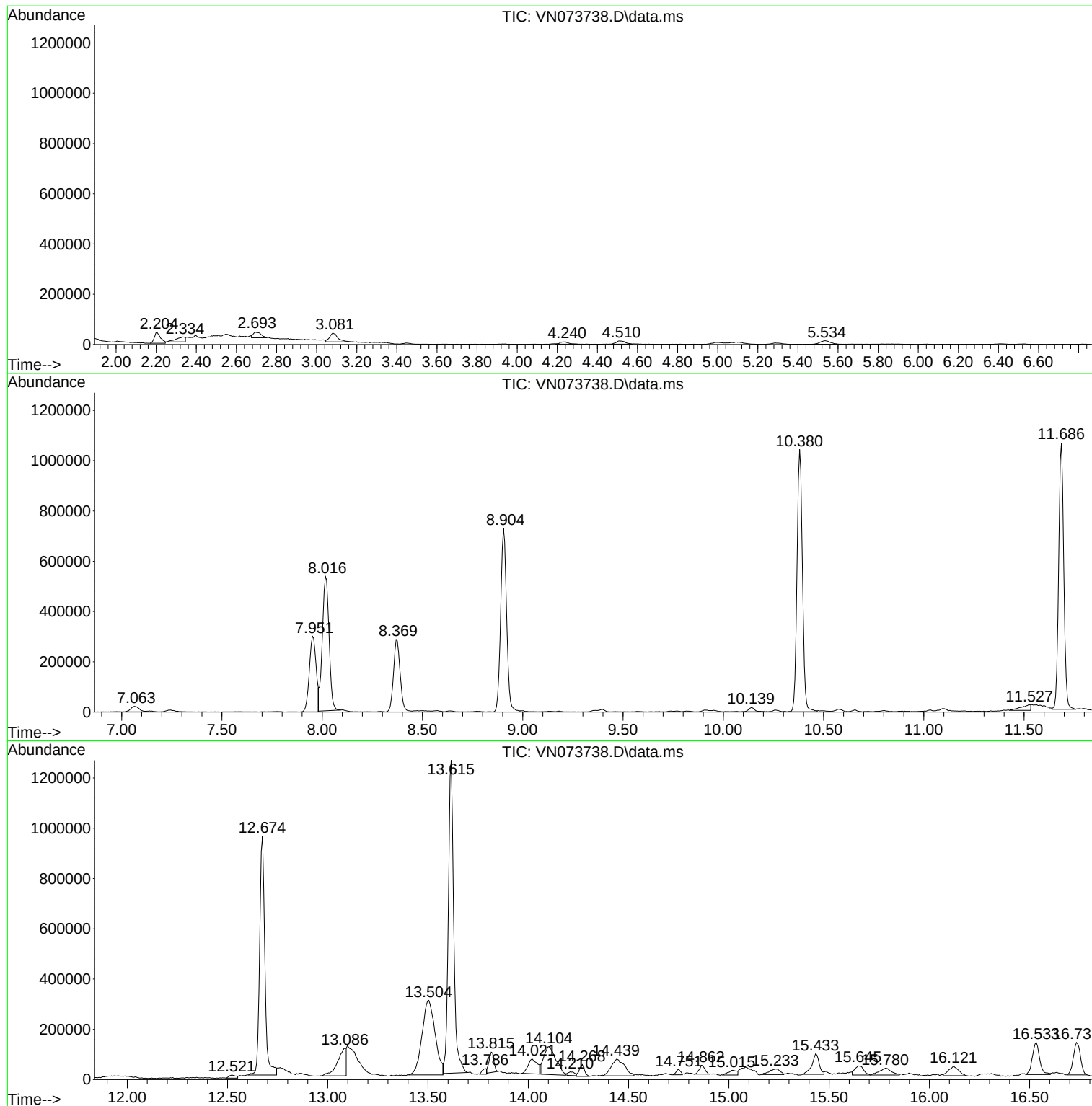
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080422\  
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MSVOA\_N  
ClientSampleId :  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080422\  
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Sample : N3887-04  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-10

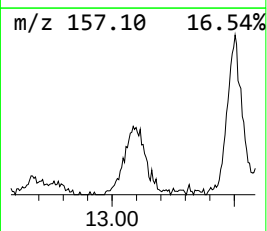
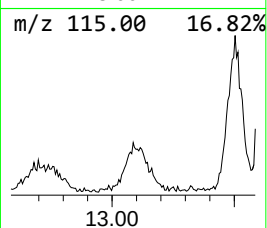
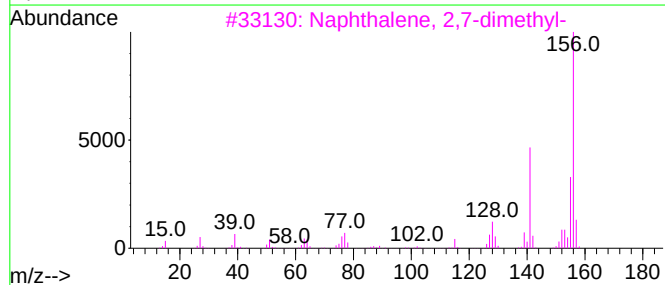
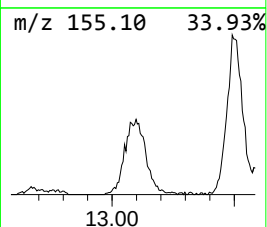
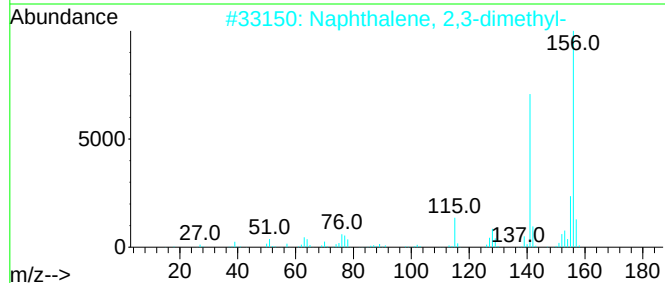
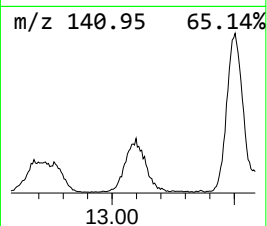
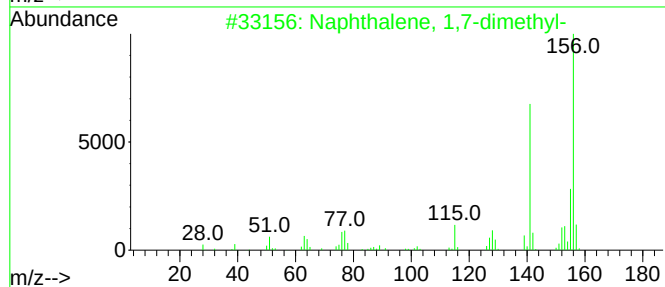
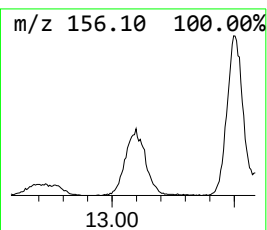
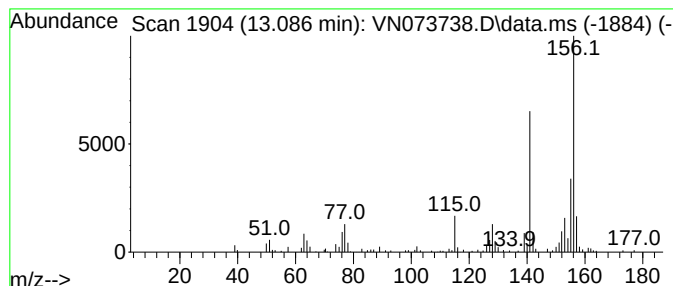
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
Quant Title : SW846 8260

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

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Peak Number 1 Naphthalene, 1,7-dimethyl- Concentration Rank 3

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 13.086 | 7.30 ug/l | 338617 | 1,4-Dichlorobenzene-d4 | 13.616 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 97   |
| 2    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 3    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 97   |
| 4    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 97   |
| 5    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |



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Sample : N3887-04  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-10

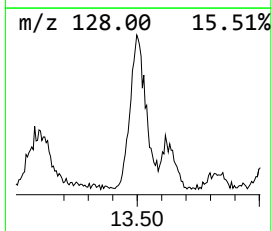
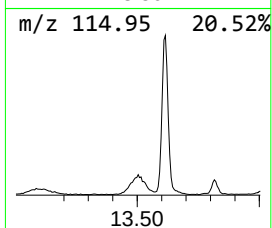
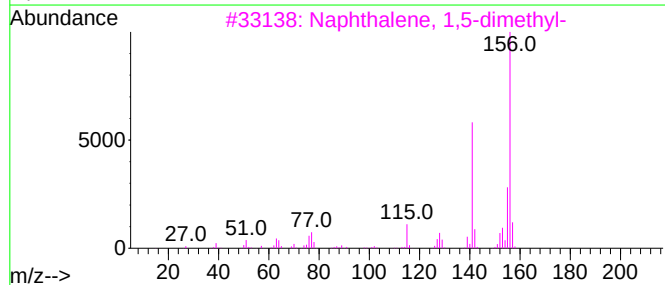
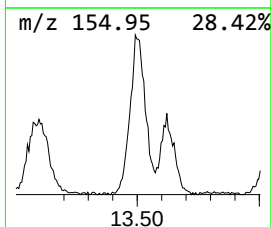
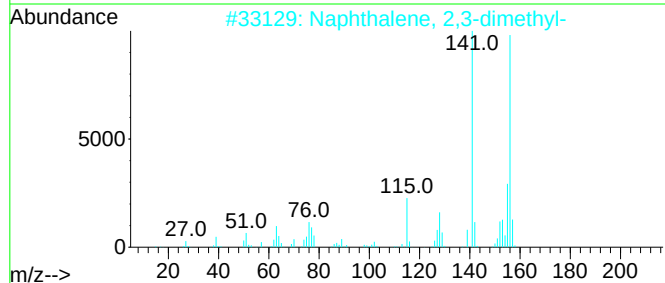
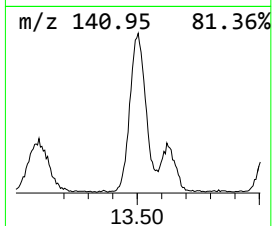
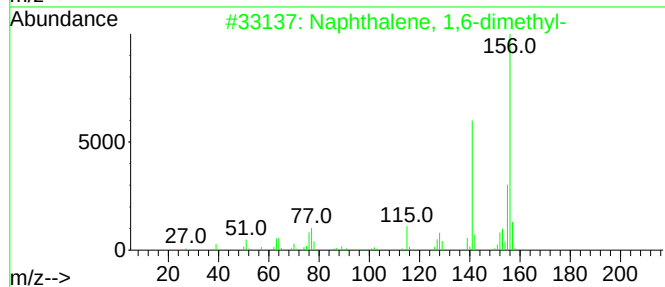
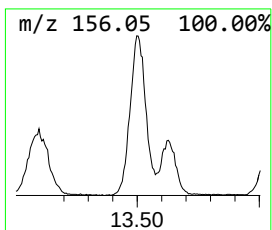
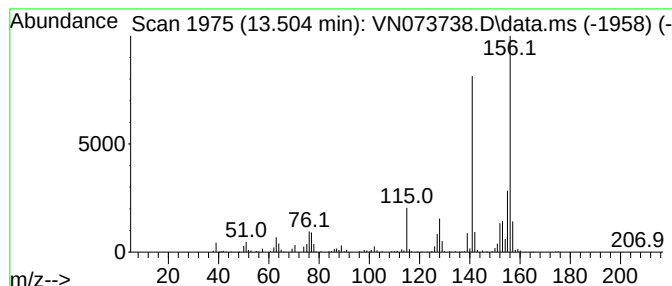
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
Quant Title : SW846 8260

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

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Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 1

| R.T.   | EstConc    | Area    | Relative to ISTD       | R.T.   |
|--------|------------|---------|------------------------|--------|
| 13.504 | 28.86 ug/l | 1339580 | 1,4-Dichlorobenzene-d4 | 13.616 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1,6-dimethyl- | 156 | C12H12  | 000575-43-9 | 97   |
| 2    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 97   |
| 3    |    |   | Naphthalene, 1,5-dimethyl- | 156 | C12H12  | 000571-61-9 | 96   |
| 4    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 96   |
| 5    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 96   |



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Sample : N3887-04  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-10

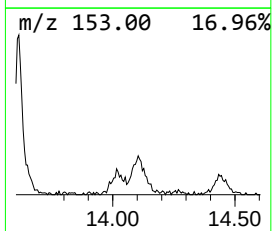
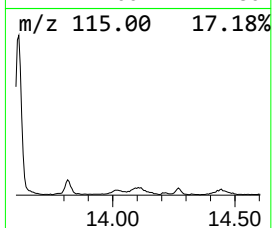
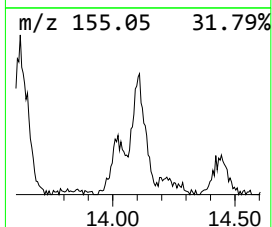
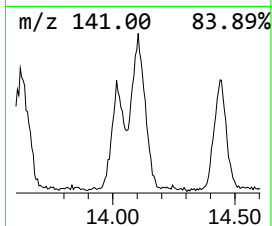
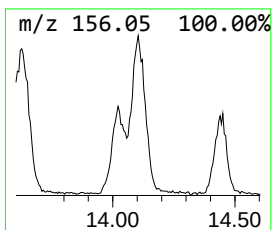
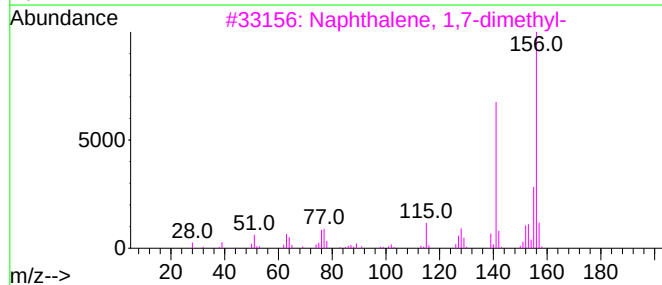
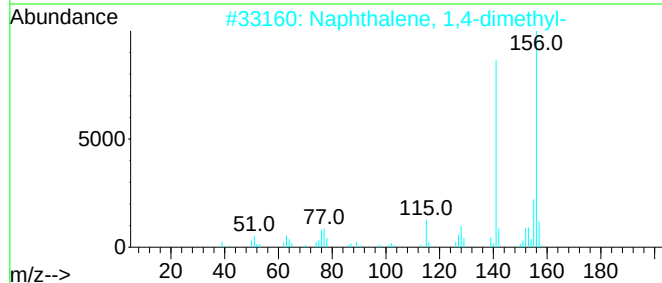
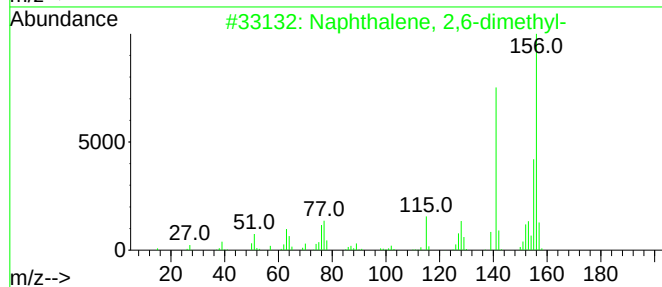
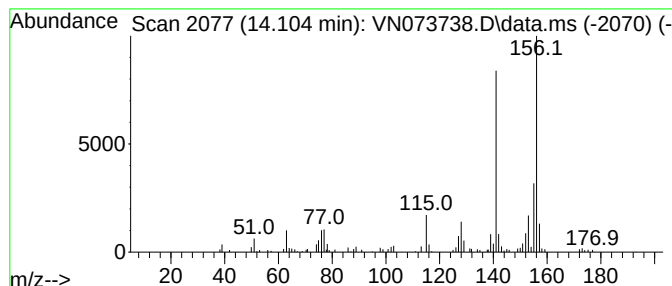
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 2

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.104 | 9.85 ug/l | 457062 | 1,4-Dichlorobenzene-d4 | 13.616 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2,6-dimethyl- | 156 | C12H12  | 000581-42-0 | 95   |
| 2    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 94   |
| 3    |    |   | Naphthalene, 1,7-dimethyl- | 156 | C12H12  | 000575-37-1 | 94   |
| 4    |    |   | Naphthalene, 2,7-dimethyl- | 156 | C12H12  | 000582-16-1 | 94   |
| 5    |    |   | Naphthalene, 2,3-dimethyl- | 156 | C12H12  | 000581-40-8 | 94   |



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Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-10

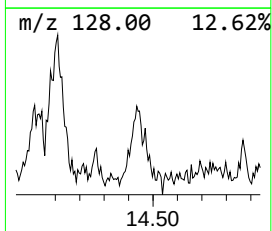
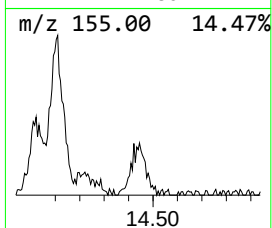
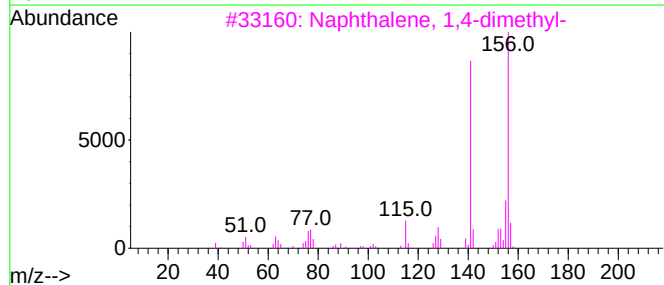
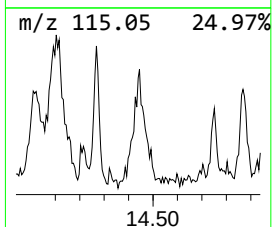
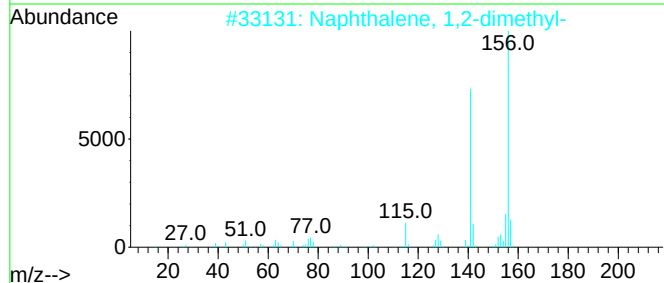
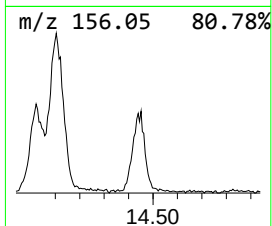
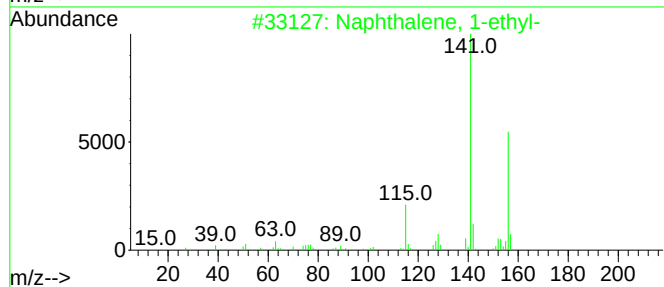
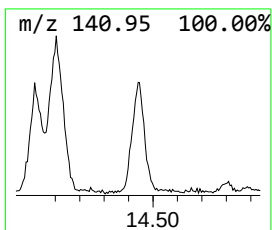
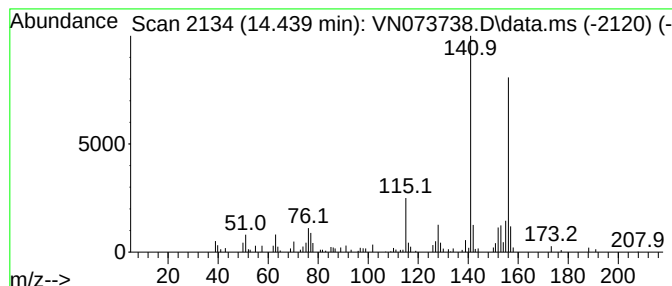
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
Quant Title : SW846 8260

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

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Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 6

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 14.439 | 6.62 ug/l | 307465 | 1,4-Dichlorobenzene-d4 | 13.616 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 1-ethyl-      | 156 | C12H12  | 001127-76-0 | 95   |
| 2    |    |   | Naphthalene, 1,2-dimethyl- | 156 | C12H12  | 000573-98-8 | 95   |
| 3    |    |   | Naphthalene, 1,4-dimethyl- | 156 | C12H12  | 000571-58-4 | 91   |
| 4    |    |   | Naphthalene, 1,3-dimethyl- | 156 | C12H12  | 000575-41-7 | 91   |
| 5    |    |   | Naphthalene, 1,8-dimethyl- | 156 | C12H12  | 000569-41-5 | 90   |



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Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-10

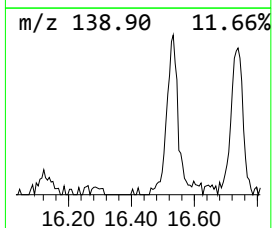
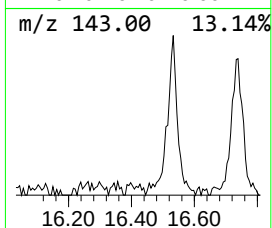
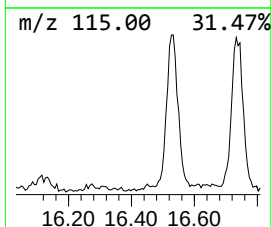
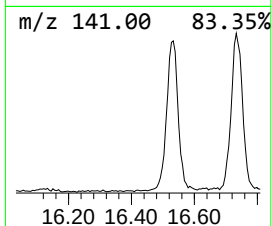
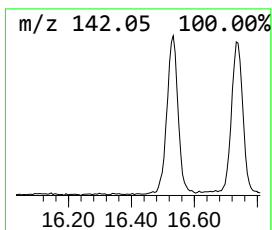
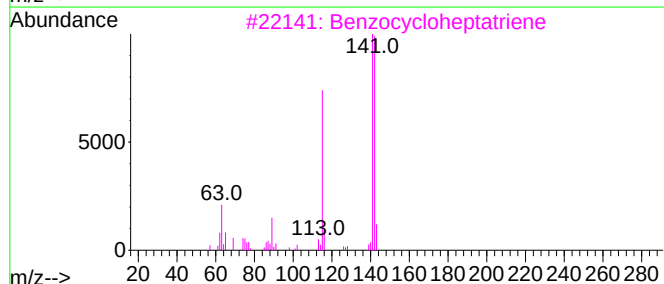
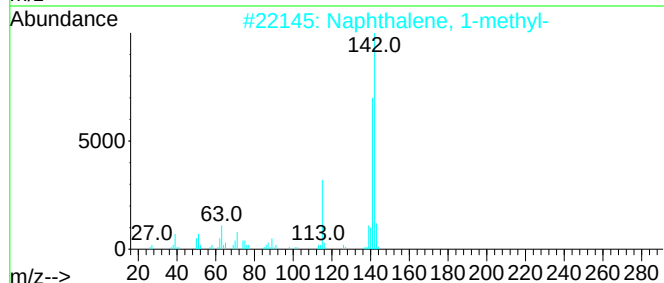
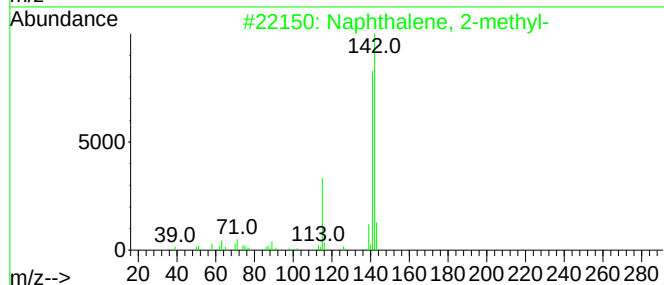
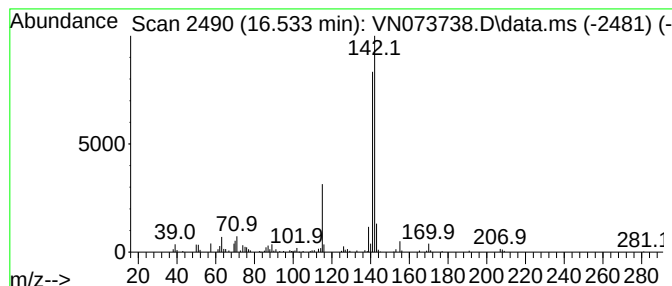
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Quant Title : SW846 8260

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

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Peak Number 5 Benzocycloheptatriene Concentration Rank 4

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 16.533 | 6.88 ug/l | 319250 | 1,4-Dichlorobenzene-d4 | 13.616 |

| Hit# | of | 5 | Tentative ID                         | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------------|-----|---------|-------------|------|
| 1    |    |   | Naphthalene, 2-methyl-               | 142 | C11H10  | 000091-57-6 | 97   |
| 2    |    |   | Naphthalene, 1-methyl-               | 142 | C11H10  | 000090-12-0 | 93   |
| 3    |    |   | Benzocycloheptatriene                | 142 | C11H10  | 000264-09-5 | 86   |
| 4    |    |   | Naphthalene, 1-(2-hydroxypropyl)     | 186 | C13H14O | 027653-13-0 | 83   |
| 5    |    |   | Naphthalene, 1-[(2-propenyloxy)m...] | 198 | C14H14O | 074685-39-5 | 83   |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080422\  
Data File : VN073738.D  
Acq On : 04 Aug 2022 15:55  
Operator : JC\MD  
Sample : N3887-04  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-10

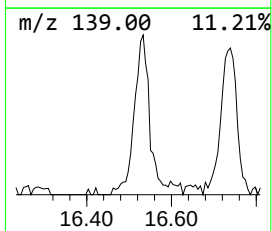
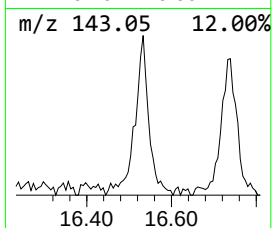
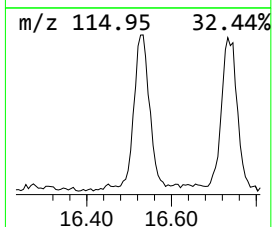
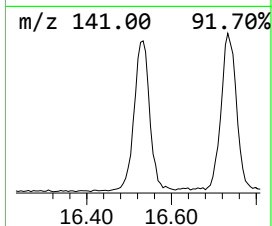
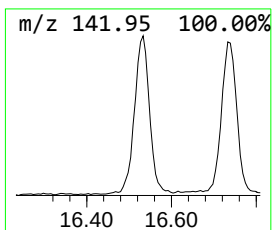
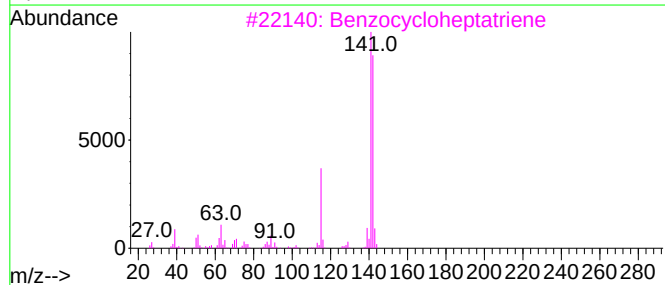
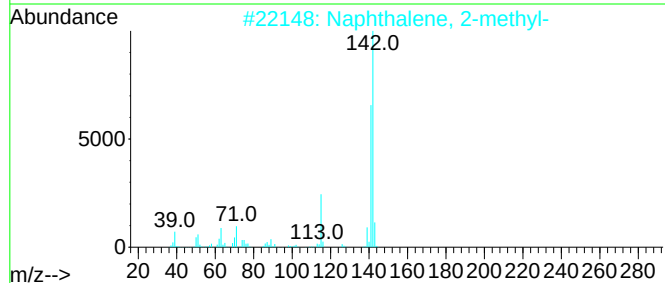
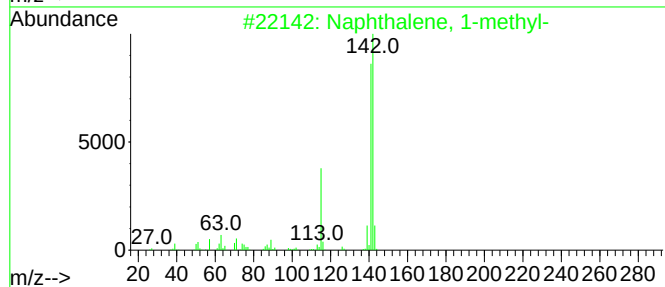
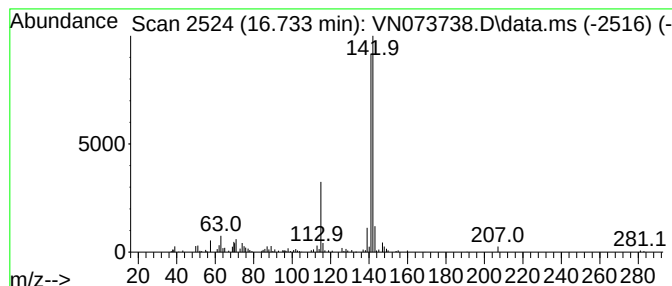
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
Quant Title : SW846 8260

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

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Peak Number 6 Naphthalene, 1-methyl- Concentration Rank 5

| R.T.   | EstConc   | Area   | Relative to ISTD       | R.T.   |
|--------|-----------|--------|------------------------|--------|
| 16.733 | 6.77 ug/l | 314021 | 1,4-Dichlorobenzene-d4 | 13.616 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Naphthalene, 1-methyl-              | 142 | C11H10   | 000090-12-0 | 94   |
| 2    |    |   | Naphthalene, 2-methyl-              | 142 | C11H10   | 000091-57-6 | 94   |
| 3    |    |   | Benzocycloheptatriene               | 142 | C11H10   | 000264-09-5 | 91   |
| 4    |    |   | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10   | 004453-90-1 | 87   |
| 5    |    |   | 1-Naphthaleneacetamide              | 185 | C12H11NO | 000086-86-2 | 59   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN080422\  
Data File : VN073738.D  
Acq On : 04 Aug 2022 15:55  
Operator : JC\MD  
Sample : N3887-04  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-10

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N072822W.M  
Quant Title : SW846 8260

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

| TIC Top Hit name   | RT     | EstConc | Units | Response | --Internal Standard-- |        |         |      |
|--------------------|--------|---------|-------|----------|-----------------------|--------|---------|------|
|                    |        |         |       |          | #                     | RT     | Resp    | Conc |
| Naphthalene, 1,... | 13.086 | 7.3     | ug/l  | 338617   | 4                     | 13.616 | 2320560 | 50.0 |
| Naphthalene, 1,... | 13.504 | 28.9    | ug/l  | 1339580  | 4                     | 13.616 | 2320560 | 50.0 |
| Naphthalene, 2,... | 14.104 | 9.8     | ug/l  | 457062   | 4                     | 13.616 | 2320560 | 50.0 |
| Naphthalene, 1-... | 14.439 | 6.6     | ug/l  | 307465   | 4                     | 13.616 | 2320560 | 50.0 |
| Benzocyclohepta... | 16.533 | 6.9     | ug/l  | 319250   | 4                     | 13.616 | 2320560 | 50.0 |
| Naphthalene, 1-... | 16.733 | 6.8     | ug/l  | 314021   | 4                     | 13.616 | 2320560 | 50.0 |