LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM071918\
Data File : BM015992.D
Acq On : 19 Jul 2018 16:22
Operator : SJ/JU
Sample : J4024-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DB1P0

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.M
Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.687 | 403 | 408 | 416 | rBV | 74688 | 121354 | 4.64% | 0.534% |
| 2 | 5.822 | 425 | 431 | 448 | rBV | 164125 | 369700 | 14.13% | 1.626% |
| 3 | 6.210 | 492 | 497 | 507 | rBV | 34574 | 55469 | 2.12% | 0.244% |
| 4 | 7.422 | 698 | 703 | 717 | rBV2 | 48191 | 105312 | 4.03% | 0.463% |
| 5 | 7.575 | 724 | 729 | 741 | rBV | 194537 | 309870 | 11.84% | 1.363% |
| 6 | 7.781 | 759 | 764 | 780 | rBV | 220173 | 392596 | 15.01% | 1.727% |
| 7 | 8.257 | 839 | 845 | 860 | rBV | 212303 | 367395 | 14.04% | 1.616% |
| 8 | 8.975 | 962 | 967 | 980 | rBV | 165657 | 293049 | 11.20% | 1.289% |
| 9 | 9.439 | 1041 | 1046 | 1064 | rBV | 284471 | 507341 | 19.39% | 2.231% |
| 10 | 10.163 | 1164 | 1169 | 1186 | rBV | 257878 | 462821 | 17.69% | 2.035% |
| 11 | 10.704 | 1256 | 1261 | 1284 | rBV | 356283 | 662246 | 25.31% | 2.913% |
| 12 | 11.081 | 1318 | 1325 | 1341 | rVB | 344873 | 586377 | 22.41% | 2.579% |
| 13 | 13.722 | 1770 | 1774 | 1783 | rBB | 28655 | 42677 | 1.63% | 0.188% |
| 14 | 13.927 | 1804 | 1809 | 1819 | rBB | 638555 | 916690 | 35.04% | 4.032% |
| 15 | 14.280 | 1863 | 1869 | 1874 | rBV | 876061 | 1212955 | 46.36% | 5.335% |
| 16 | 14.327 | 1874 | 1877 | 1886 | rVB | 192782 | 257712 | 9.85% | 1.133% |
| 17 | 14.580 | 1913 | 1920 | 1928 | rBV | 884065 | 1261865 | 48.23% | 5.550% |
| 18 | 14.880 | 1964 | 1971 | 1979 | rBV2 | 561753 | 842283 | 32.20% | 3.704% |
| 19 | 15.110 | 2005 | 2010 | 2027 | rBV3 | 35702 | 99329 | 3.80% | 0.437% |
| 20 | 15.863 | 2132 | 2138 | 2146 | rBV | 1182070 | 1661160 | 63.50% | 7.306% |
| 21 | 15.998 | 2156 | 2161 | 2175 | rBV | 458555 | 648329 | 24.78% | 2.851% |
| 22 | 17.610 | 2429 | 2435 | 2445 | rBV | 770329 | 1070716 | 40.93% | 4.709% |
| 23 | 17.710 | 2445 | 2452 | 2463 | rBV | 1418459 | 2026721 | 77.47% | 8.913% |
| 24 | 18.451 | 2569 | 2578 | 2584 | rBV | 143783 | 198543 | 7.59% | 0.873% |
| 25 | 19.698 | 2786 | 2790 | 2799 | rBV | 68476 | 96043 | 3.67% | 0.422% |
| 26 | 19.968 | 2830 | 2836 | 2844 | rBV | 1843431 | 2432661 | 92.99% | 10.699% |
| 27 | 21.398 | 3074 | 3079 | 3091 | rBV2 | 159507 | 307525 | 11.76% | 1.352% |
| 28 | 21.721 | 3129 | 3134 | 3141 | rVB | 1067189 | 1375366 | 52.57% | 6.049% |
| 29 | 23.891 | 3500 | 3503 | 3507 | rVV3 | 58773 | 86873 | 3.32% | 0.382% |
| 30 | 23.962 | 3507 | 3515 | 3524 | rVB | 1350070 | 2616120 | 100.00% | 11.506% |
| 31 | 24.109 | 3533 | 3540 | 3551 | rVB | 708847 | 1350645 | 51.63% | 5.940% |

Sum of corrected areas: 22737743

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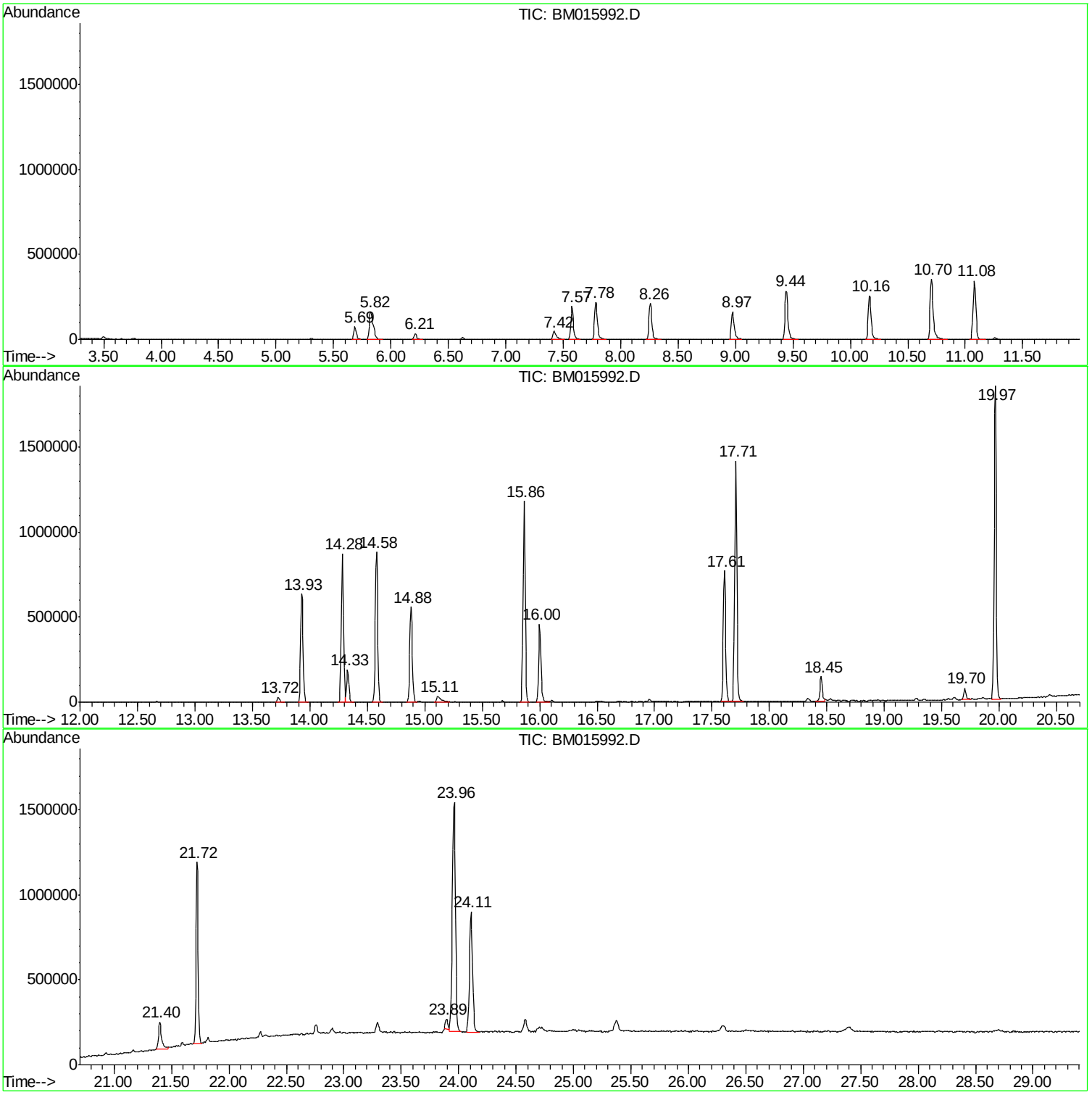
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DB1P0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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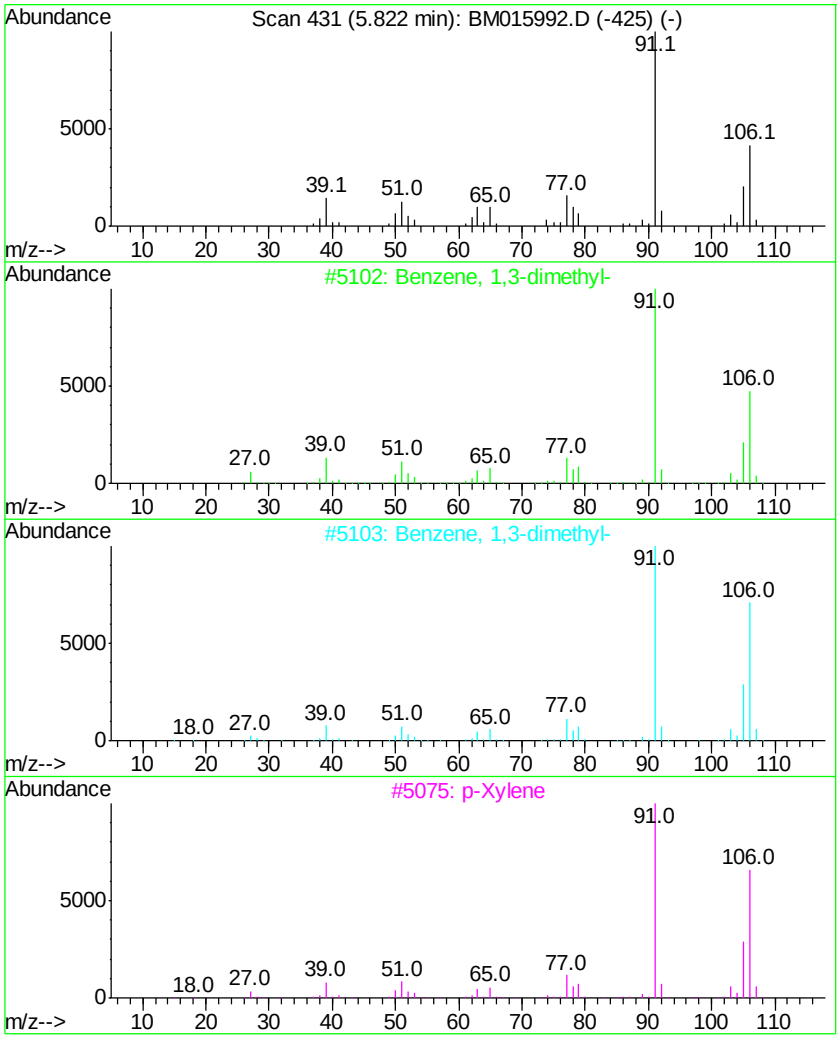
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

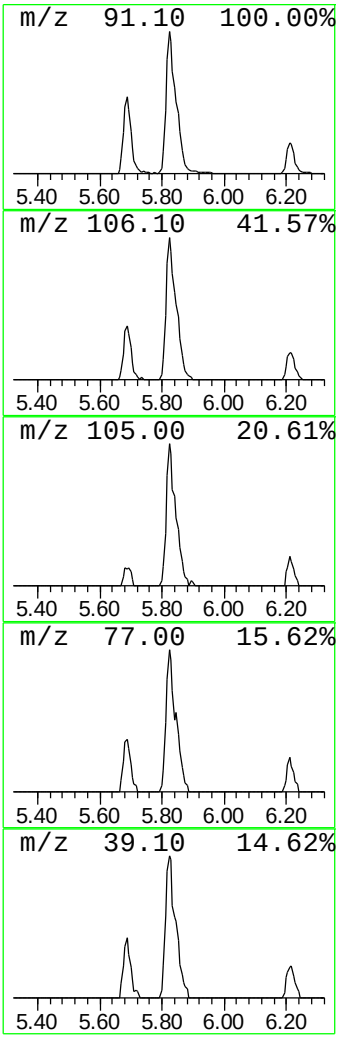
**********

Peak Number 2 Benzene, 1,3-dimethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.82 | 20.13 ng/ul | 369700 | 1,4-Dichlorobenzene-d4 | 8.26 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 94 |
| 2 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 94 |
| 3 | p-Xylene | 106 | C8H10 | 000106-42-3 | 94 |
| 4 | p-Xylene | 106 | C8H10 | 000106-42-3 | 93 |
| 5 | o-Xylene | 106 | C8H10 | 000095-47-6 | 93 |



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Operator : SJ/JU
Sample : J4024-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DB1P0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.M
Quant Title : SVOA CALIBRATION

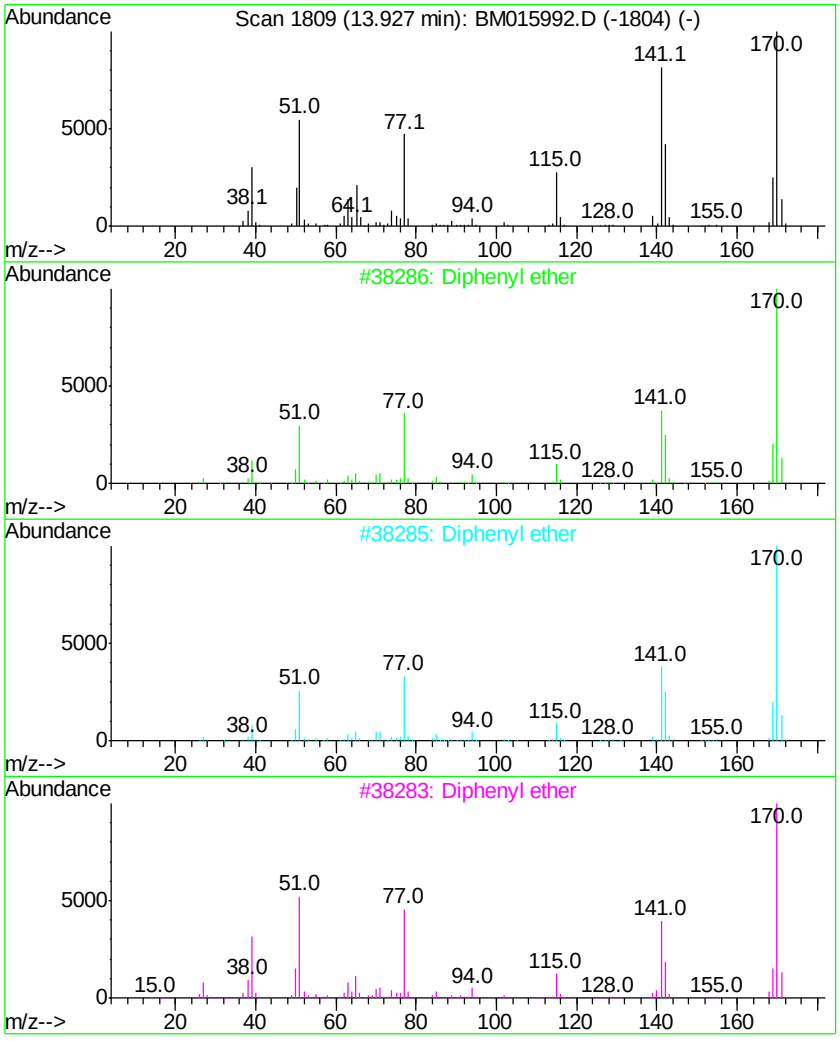
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

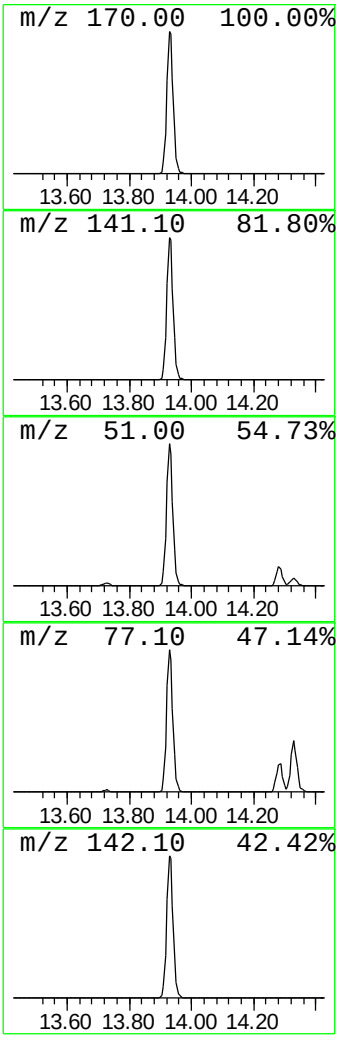
**********

Peak Number 4 Diphenyl ether Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.93 | 21.77 ng/ul | 916690 | Acenaphthene-d10 | 14.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Diphenyl ether | 170 | C12H10O | 000101-84-8 | 76 |
| 2 | Diphenyl ether | 170 | C12H10O | 000101-84-8 | 76 |
| 3 | Diphenyl ether | 170 | C12H10O | 000101-84-8 | 52 |
| 4 | Spiro[cyclopropane-1,1'(4'H)-nap... | 170 | C12H10O | 033498-24-7 | 47 |
| 5 | Bicyclo[4.4.1]undeca-1,3,5,7,9-p... | 142 | C11H10 | 002443-46-1 | 38 |



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Operator : SJ/JU
Sample : J4024-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DB1P0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.M
Quant Title : SVOA CALIBRATION

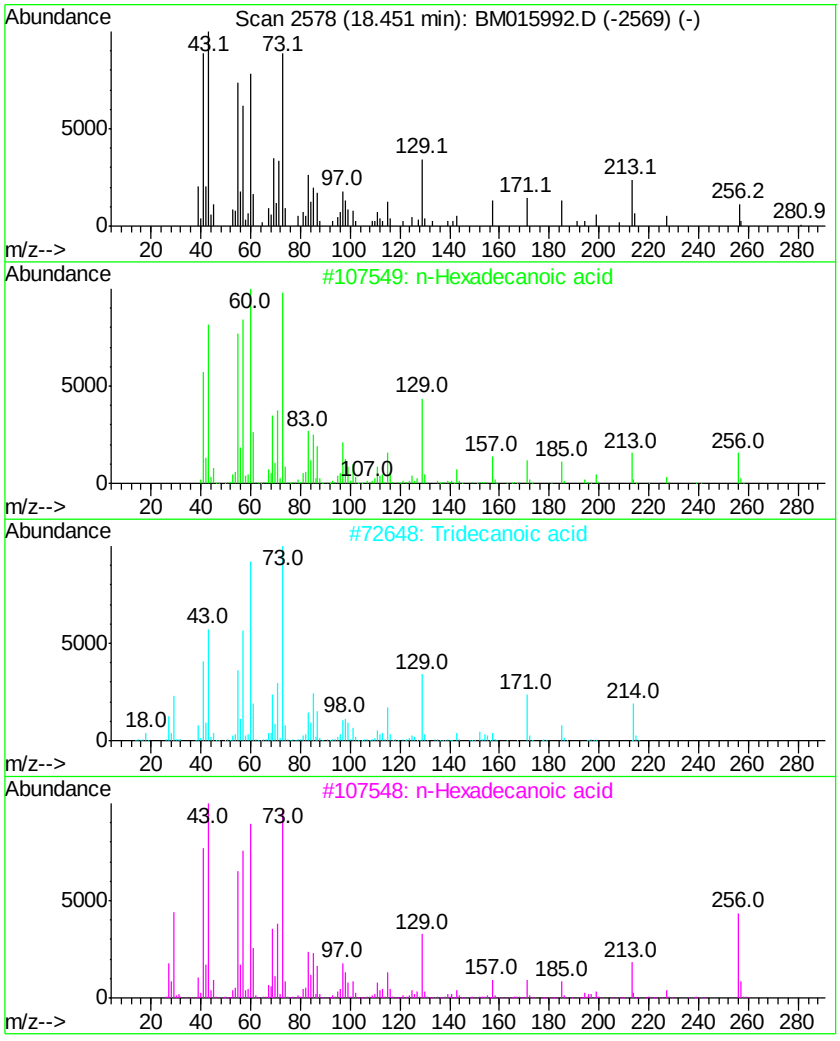
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

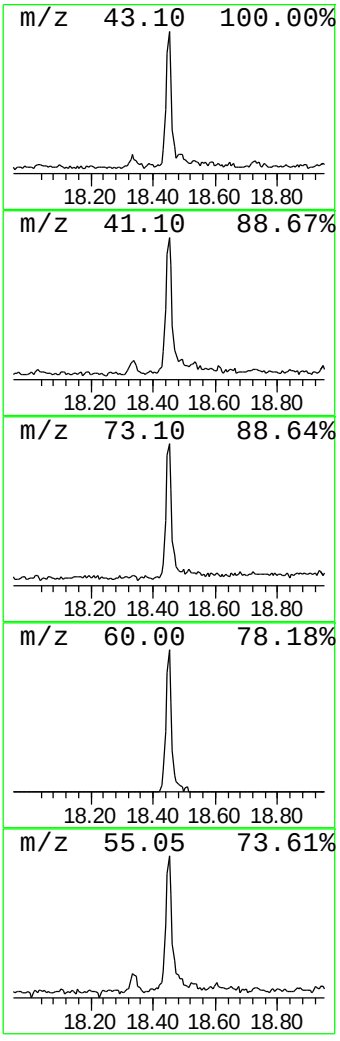
**********

Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.45 | 3.71 ng/ul | 198543 | Phenanthrene-d10 | 17.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 90 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 81 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 76 |
| 5 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 70 |



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Operator : SJ/JU
Sample : J4024-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DB1P0

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.M
Quant Title : SVOA CALIBRATION

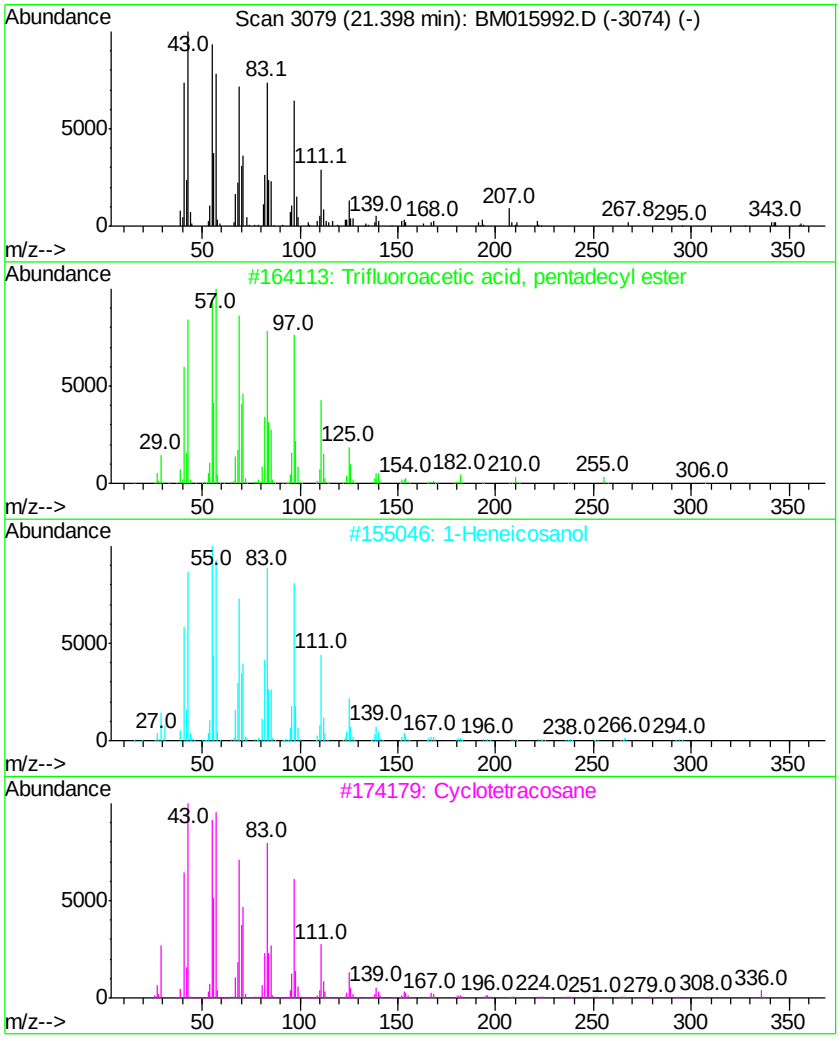
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

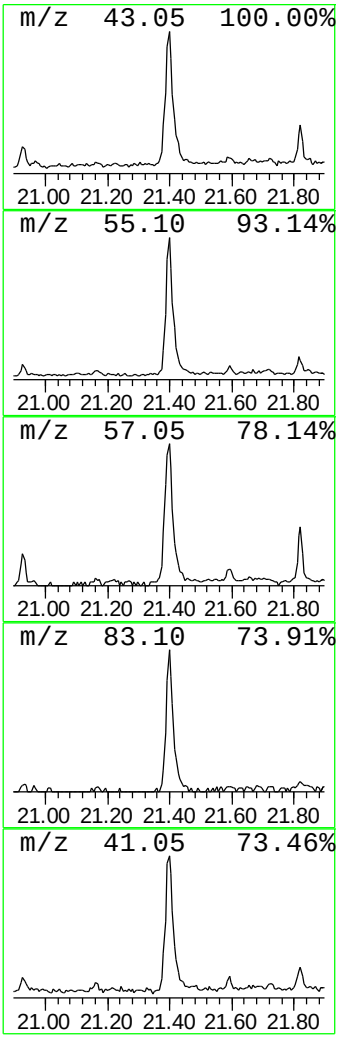
**********

Peak Number 6 Trifluoroacetic acid, penta... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.40 | 4.47 ng/ul | 307525 | Chrysene-d12 | 21.72 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 94 |
| 2 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 94 |
| 3 | Cyclotetracosane | 336 | C24H48 | 000297-03-0 | 93 |
| 4 | Bromoacetic acid, hexadecyl ester | 362 | C18H35BrO2 | 005454-48-8 | 93 |
| 5 | 1-Tricosene | 322 | C23H46 | 018835-32-0 | 90 |



Tentatively Identified Compound (LSC) summary

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ALS Vial : 9 Sample Multiplier: 1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM071318MA.M
Quant Title : SVOA CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Benzene, 1,3-dime... | 5.82 | 20.1 | ng/ul | 369700 | 1 | 8.26 | 367395 | 20.0 |
| Diphenyl ether | 13.93 | 21.8 | ng/ul | 916690 | 3 | 14.88 | 842283 | 20.0 |
| n-Hexadecanoic acid | 18.45 | 3.7 | ng/ul | 198543 | 4 | 17.61 | 1070720 | 20.0 |
| Trifluoroacetic a... | 21.40 | 4.5 | ng/ul | 307525 | 5 | 21.72 | 1375370 | 20.0 |