LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012461.D
Acq On : 26 Oct 2017 01:25
Operator : SJ/JU
Sample : I5786-10 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DUP-4

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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.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 | 3.158 | 8 | 12 | 21 | rVB | 72605 | 112313 | 1.41% | 0.119% |
| 2 | 3.369 | 44 | 48 | 54 | rVB | 61199 | 92189 | 1.16% | 0.098% |
| 3 | 3.881 | 131 | 135 | 139 | rBV | 116680 | 155465 | 1.96% | 0.165% |
| 4 | 4.099 | 167 | 172 | 180 | rVB | 140613 | 206130 | 2.60% | 0.218% |
| 5 | 5.010 | 322 | 327 | 337 | rVB | 388379 | 563122 | 7.09% | 0.597% |
| 6 | 5.540 | 410 | 417 | 426 | rBV | 276291 | 574298 | 7.23% | 0.609% |
| 7 | 5.904 | 473 | 479 | 486 | rBV2 | 112422 | 175545 | 2.21% | 0.186% |
| 8 | 6.875 | 634 | 644 | 651 | rBV3 | 46237 | 104381 | 1.31% | 0.111% |
| 9 | 7.051 | 666 | 674 | 682 | rBV2 | 1159139 | 2327012 | 29.30% | 2.466% |
| 10 | 7.210 | 695 | 701 | 708 | rBV | 971764 | 1446859 | 18.22% | 1.534% |
| 11 | 7.416 | 730 | 736 | 746 | rVB | 747570 | 1194066 | 15.03% | 1.266% |
| 12 | 7.534 | 746 | 756 | 762 | rBV2 | 170967 | 404709 | 5.10% | 0.429% |
| 13 | 7.881 | 807 | 815 | 822 | rBV | 2552799 | 4030125 | 50.74% | 4.272% |
| 14 | 8.016 | 831 | 838 | 844 | rVB2 | 64551 | 147515 | 1.86% | 0.156% |
| 15 | 8.522 | 919 | 924 | 929 | rBV3 | 58968 | 106489 | 1.34% | 0.113% |
| 16 | 8.587 | 929 | 935 | 941 | rVV | 1313642 | 2066679 | 26.02% | 2.190% |
| 17 | 8.651 | 941 | 946 | 953 | rVV | 174553 | 279853 | 3.52% | 0.297% |
| 18 | 8.987 | 994 | 1003 | 1005 | rBV3 | 66131 | 127212 | 1.60% | 0.135% |
| 19 | 9.034 | 1005 | 1011 | 1019 | rVV | 1254585 | 2095300 | 26.38% | 2.221% |
| 20 | 9.110 | 1019 | 1024 | 1030 | rVB2 | 134686 | 209196 | 2.63% | 0.222% |
| 21 | 9.757 | 1127 | 1134 | 1139 | rBV | 207011 | 352966 | 4.44% | 0.374% |
| 22 | 10.298 | 1217 | 1226 | 1233 | rVB | 343161 | 607196 | 7.65% | 0.644% |
| 23 | 10.675 | 1280 | 1290 | 1296 | rBV | 3436702 | 5803791 | 73.08% | 6.151% |
| 24 | 10.804 | 1304 | 1312 | 1324 | rVB | 1257103 | 2182039 | 27.47% | 2.313% |
| 25 | 11.986 | 1504 | 1513 | 1520 | rBV | 91440 | 168653 | 2.12% | 0.179% |
| 26 | 12.098 | 1527 | 1532 | 1537 | rVB | 72416 | 108966 | 1.37% | 0.115% |
| 27 | 13.922 | 1833 | 1842 | 1846 | rBV | 2915373 | 4287575 | 53.99% | 4.544% |
| 28 | 13.963 | 1846 | 1849 | 1858 | rVB | 2159866 | 3001082 | 37.79% | 3.181% |
| 29 | 14.204 | 1884 | 1890 | 1899 | rVB | 3315359 | 4900394 | 61.70% | 5.194% |
| 30 | 14.510 | 1935 | 1942 | 1951 | rBV2 | 4737663 | 7525998 | 94.76% | 7.977% |
| 31 | 15.504 | 2105 | 2111 | 2117 | rBV | 4238711 | 6025278 | 75.86% | 6.386% |
| 32 | 15.739 | 2145 | 2151 | 2154 | rBV2 | 67240 | 136285 | 1.72% | 0.144% |
| 33 | 15.863 | 2167 | 2172 | 2179 | rVB | 315728 | 453997 | 5.72% | 0.481% |
| 34 | 16.227 | 2230 | 2234 | 2236 | rBV | 95044 | 115560 | 1.46% | 0.122% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012461.D
Acq On : 26 Oct 2017 01:25
Operator : SJ/JU
Sample : I5786-10 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DUP-4

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:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 17.068 | 2374 | 2377 | 2385 | rVB3 | 67219 | 102124 | 1.29% | 0.108% |
| 36 | 17.251 | 2402 | 2408 | 2414 | rBV2 | 5490013 | 7942143 | 100.00% | 8.418% |
| 37 | 17.351 | 2419 | 2425 | 2434 | rVB | 4101437 | 5868555 | 73.89% | 6.220% |
| 38 | 17.757 | 2491 | 2494 | 2499 | rVB | 66893 | 89543 | 1.13% | 0.095% |
| 39 | 17.927 | 2519 | 2523 | 2527 | rVB | 163995 | 188910 | 2.38% | 0.200% |
| 40 | 18.921 | 2688 | 2692 | 2693 | rBV | 482332 | 561483 | 7.07% | 0.595% |
| 41 | 19.062 | 2713 | 2716 | 2719 | rBV3 | 507547 | 592886 | 7.47% | 0.628% |
| 42 | 19.098 | 2719 | 2722 | 2726 | rVB2 | 421217 | 464048 | 5.84% | 0.492% |
| 43 | 19.639 | 2809 | 2814 | 2824 | rBV | 4112054 | 5712593 | 71.93% | 6.055% |
| 44 | 20.556 | 2967 | 2970 | 2975 | rVB | 1626462 | 1854358 | 23.35% | 1.965% |
| 45 | 21.133 | 3065 | 3068 | 3076 | rBV | 1013105 | 1170575 | 14.74% | 1.241% |
| 46 | 21.421 | 3113 | 3117 | 3122 | rBV | 5633610 | 6601428 | 83.12% | 6.997% |
| 47 | 23.586 | 3481 | 3485 | 3490 | rVB2 | 2376739 | 3819623 | 48.09% | 4.048% |
| 48 | 23.733 | 3505 | 3510 | 3518 | rVB | 3827150 | 7291327 | 91.81% | 7.728% |

Sum of corrected areas: 94347834

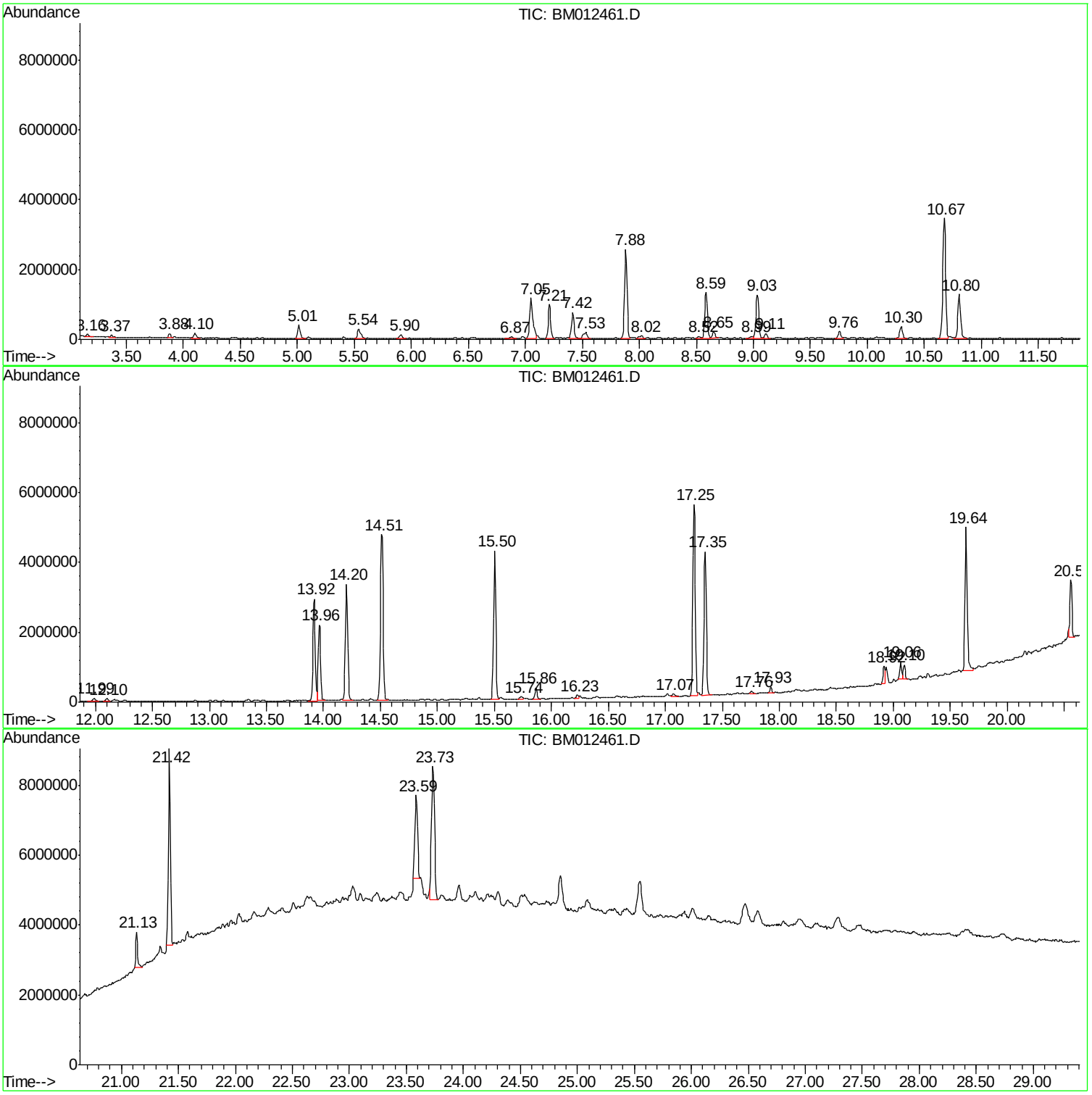
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012461.D
Acq On : 26 Oct 2017 01:25
Operator : SJ/JU
Sample : I5786-10 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DUP-4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012461.D
Acq On : 26 Oct 2017 01:25
Operator : SJ/JU
Sample : I5786-10 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DUP-4

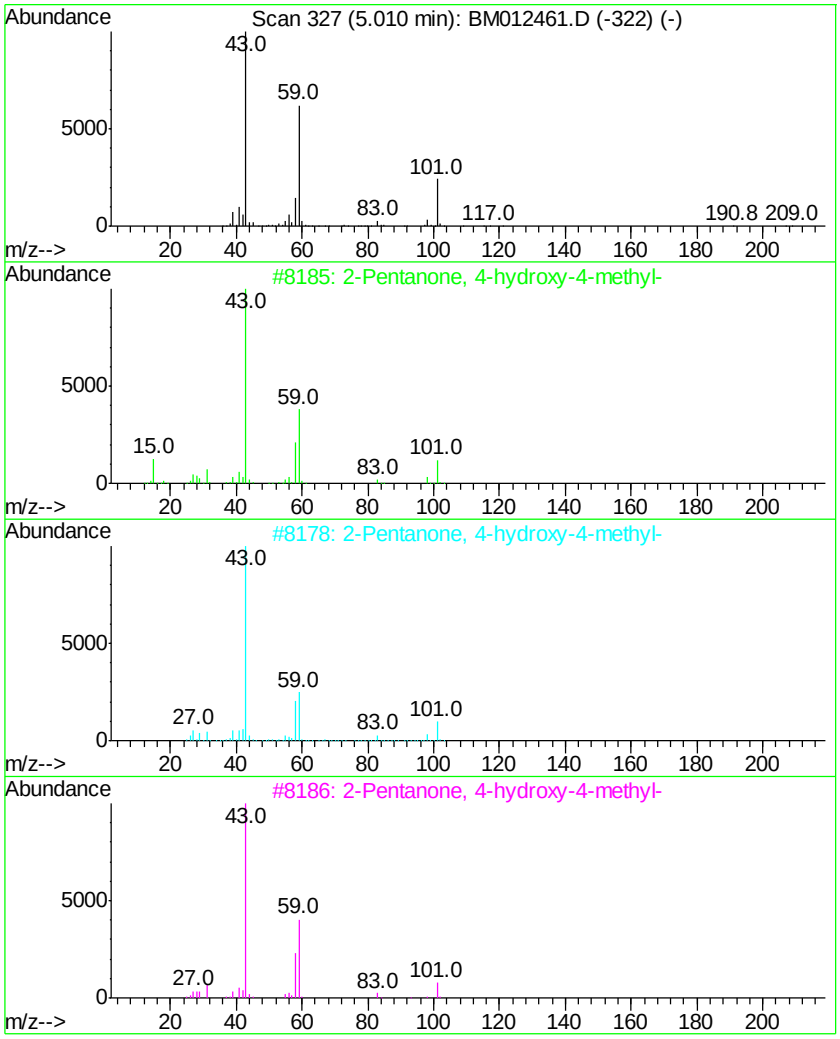
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

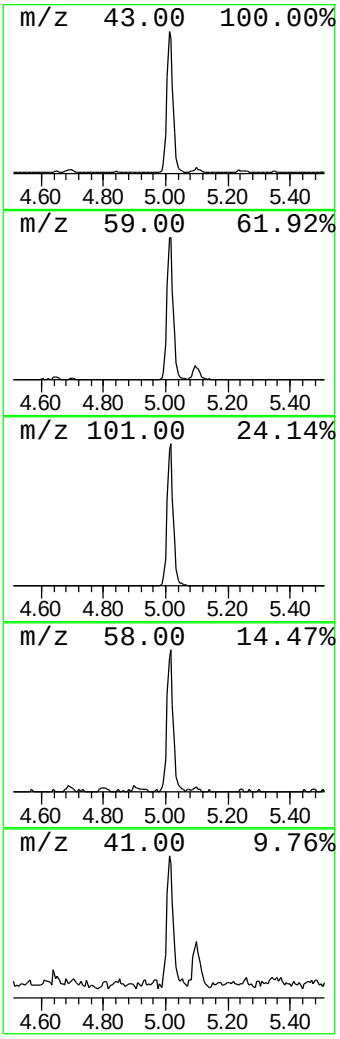
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.01 | 2.79 ng/ul | 563122 | 1,4-Dichlorobenzene-d4 | 7.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 72 |
| 2 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 72 |
| 3 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 47 |
| 4 | Hydrazine, 1,1-bis(1-methylethyl)- | 116 | C6H16N2 | 000921-14-2 | 40 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 25 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012461.D
Acq On : 26 Oct 2017 01:25
Operator : SJ/JU
Sample : I5786-10 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DUP-4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

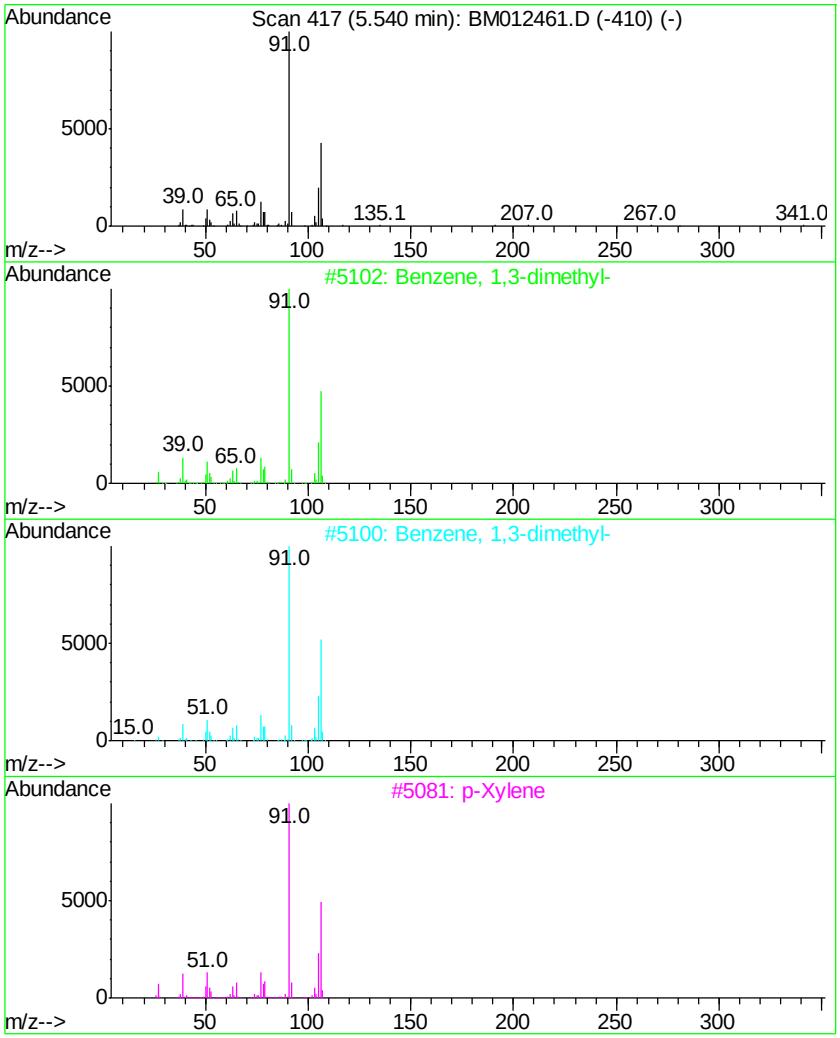
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

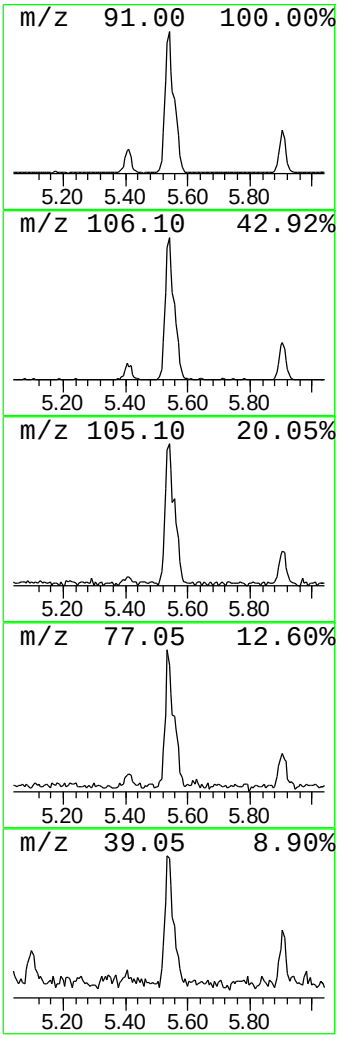
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.54 | 2.85 ng/ul | 574298 | 1,4-Dichlorobenzene-d4 | 7.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 97 |
| 2 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 97 |
| 3 | p-Xylene | 106 | C8H10 | 000106-42-3 | 95 |
| 4 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 94 |
| 5 | p-Xylene | 106 | C8H10 | 000106-42-3 | 94 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012461.D
Acq On : 26 Oct 2017 01:25
Operator : SJ/JU
Sample : I5786-10 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DUP-4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

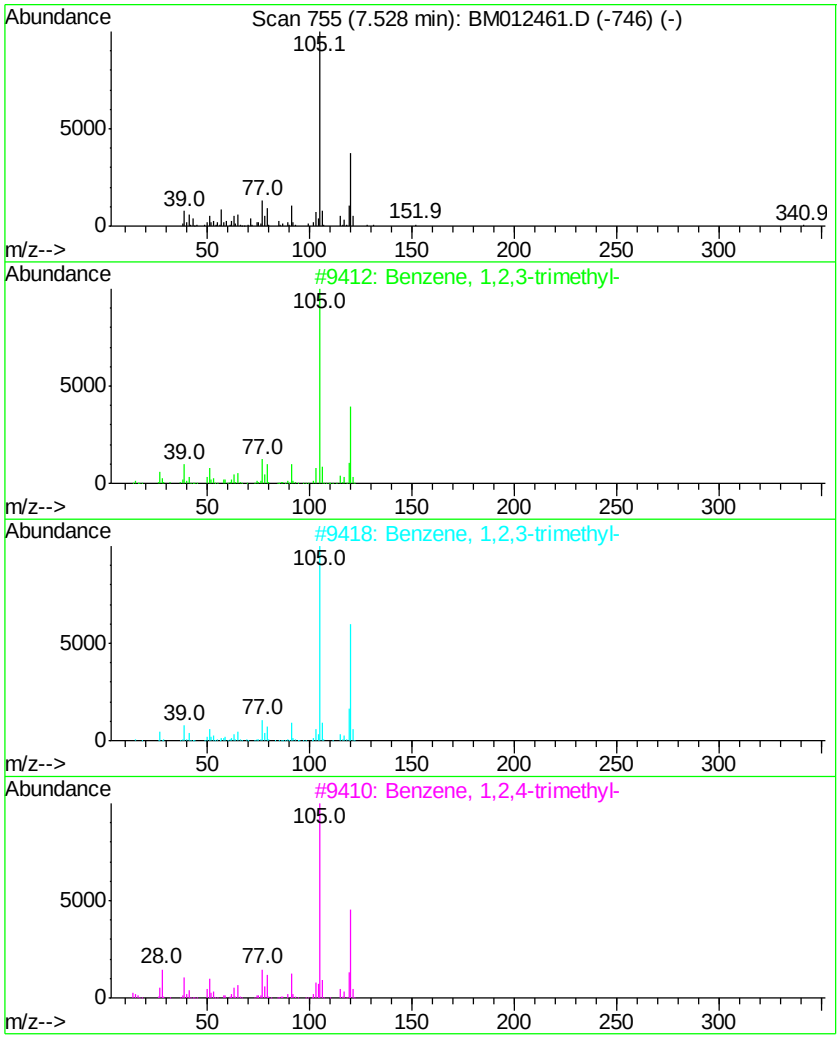
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

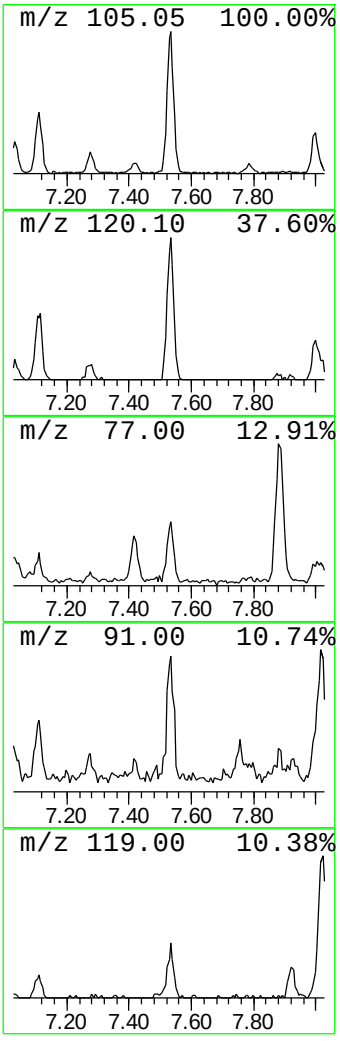
**********

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.53 | 2.01 ng/ul | 404709 | 1,4-Dichlorobenzene-d4 | 7.88 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 97 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 94 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 94 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |
| 5 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012461.D
Acq On : 26 Oct 2017 01:25
Operator : SJ/JU
Sample : I5786-10 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DUP-4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

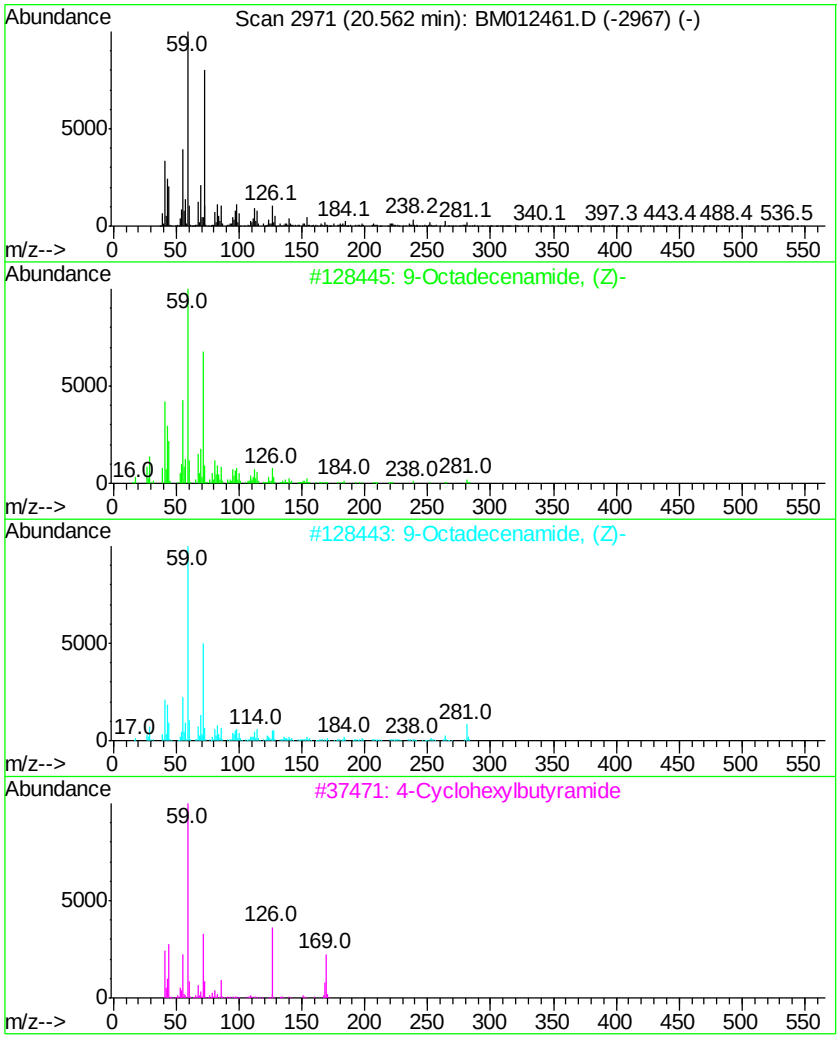
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

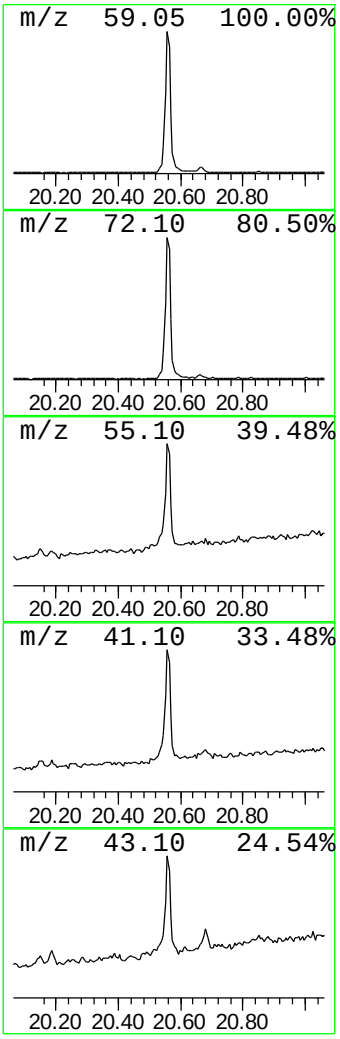
**********

Peak Number 4 9-Octadecenamide, (Z)- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.56 | 5.62 ng/ul | 1854360 | Chrysene-d12 | 21.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 98 |
| 2 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 62 |
| 3 | 4-Cyclohexylbutyramide | 169 | C10H19NO | 004441-62-7 | 50 |
| 4 | 7-Nonenamide | 155 | C9H17NO | 090949-53-4 | 50 |
| 5 | Octanamide | 143 | C8H17NO | 000629-01-6 | 50 |



Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
Data File : BM012461.D
Acq On : 26 Oct 2017 01:25
Operator : SJ/JU
Sample : I5786-10 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DUP-4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION

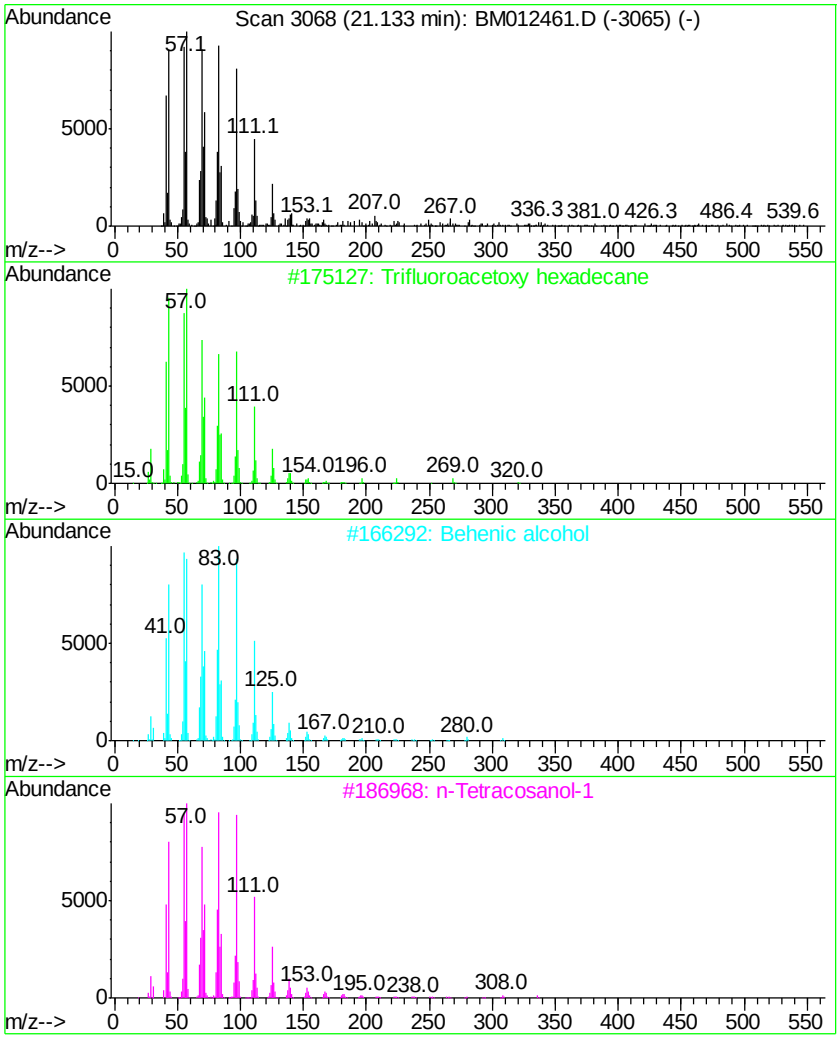
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

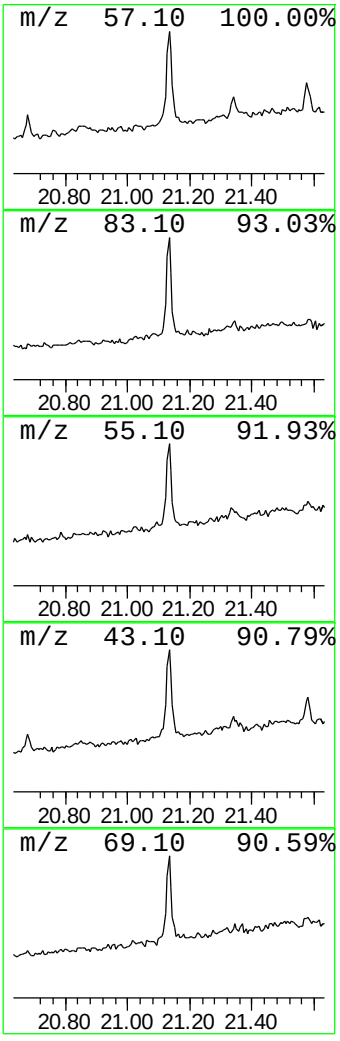
**********

Peak Number 5 Trifluoroacetoxy hexadecane Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.13 | 3.55 ng/ul | 1170580 | Chrysene-d12 | 21.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 94 |
| 2 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 94 |
| 3 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94 |
| 4 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 94 |
| 5 | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 94 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102517\
Data File : BM012461.D
Acq On : 26 Oct 2017 01:25
Operator : SJ/JU
Sample : I5786-10 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DUP-4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102417.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 |
| 2-Pentanone, 4-hy... | 5.01 | 2.8 | ng/ul | 563122 | 1 | 7.88 | 4030130 | 20.0 |
| Benzene, 1,3-dime... | 5.54 | 2.9 | ng/ul | 574298 | 1 | 7.88 | 4030130 | 20.0 |
| Benzene, 1,2,3-tr... | 7.53 | 2.0 | ng/ul | 404709 | 1 | 7.88 | 4030130 | 20.0 |
| 9-Octadecenamide,... | 20.56 | 5.6 | ng/ul | 1854360 | 5 | 21.42 | 6601430 | 20.0 |
| Trifluoroacetoxy ... | 21.13 | 3.5 | ng/ul | 1170580 | 5 | 21.42 | 6601430 | 20.0 |