# LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021919\
Data File : BM018859.D
Acq On : 19 Feb 2019 16:35
Operator : JU/SJ
Sample : K1515-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** TS-6

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:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.857 | 296 | 301 | 313 | rBV | 261570 | 372432 | 2.20% | 0.357% |
| 2 | 5.299 | 369 | 376 | 390 | rBV | 6484720 | 9389264 | 55.45% | 8.995% |
| 3 | 6.881 | 637 | 645 | 663 | rBV | 6356323 | 10269246 | 60.65% | 9.838% |
| 4 | 7.240 | 698 | 706 | 720 | rBV | 6687118 | 10353679 | 61.14% | 9.919% |
| 5 | 7.704 | 778 | 785 | 792 | rBV | 1098772 | 1712151 | 10.11% | 1.640% |
| 6 | 8.022 | 831 | 839 | 853 | rVB | 4654085 | 7354113 | 43.43% | 7.045% |
| 7 | 8.875 | 975 | 984 | 1000 | rBV | 3546357 | 6084697 | 35.93% | 5.829% |
| 8 | 10.492 | 1247 | 1259 | 1273 | rBV | 1338827 | 2324556 | 13.73% | 2.227% |
| 9 | 12.969 | 1673 | 1680 | 1694 | rBV | 8868209 | 12724606 | 75.15% | 12.190% |
| 10 | 13.816 | 1817 | 1824 | 1838 | rBV | 303790 | 519594 | 3.07% | 0.498% |
| 11 | 14.351 | 1909 | 1915 | 1930 | rBV2 | 1867491 | 2904977 | 17.16% | 2.783% |
| 12 | 15.851 | 2160 | 2170 | 2189 | rBV | 6980532 | 10187679 | 60.16% | 9.760% |
| 13 | 17.104 | 2376 | 2383 | 2389 | rBV | 2422448 | 3392080 | 20.03% | 3.250% |
| 14 | 17.992 | 2529 | 2534 | 2545 | rBV | 376400 | 590244 | 3.49% | 0.565% |
| 15 | 19.274 | 2748 | 2752 | 2763 | rBV | 131269 | 210647 | 1.24% | 0.202% |
| 16 | 19.739 | 2825 | 2831 | 2845 | rBV | 14252792 | 16933240 | 100.00% | 16.222% |
| 17 | 20.998 | 3041 | 3045 | 3056 | rBV | 491058 | 711606 | 4.20% | 0.682% |
| 18 | 21.298 | 3091 | 3096 | 3106 | rBV | 2977452 | 3676582 | 21.71% | 3.522% |
| 19 | 21.433 | 3116 | 3119 | 3123 | rBV | 270182 | 286887 | 1.69% | 0.275% |
| 20 | 21.868 | 3190 | 3193 | 3200 | rBV | 283892 | 328402 | 1.94% | 0.315% |
| 21 | 22.333 | 3268 | 3272 | 3282 | rVB | 292713 | 400195 | 2.36% | 0.383% |
| 22 | 22.839 | 3354 | 3358 | 3363 | rBV | 255134 | 354366 | 2.09% | 0.339% |
| 23 | 23.409 | 3451 | 3455 | 3459 | rVB | 193259 | 269991 | 1.59% | 0.259% |
| 24 | 23.550 | 3473 | 3479 | 3488 | rVB | 1652358 | 3032303 | 17.91% | 2.905% |

Sum of corrected areas: 104383537

LSC Report - Integrated Chromatogram

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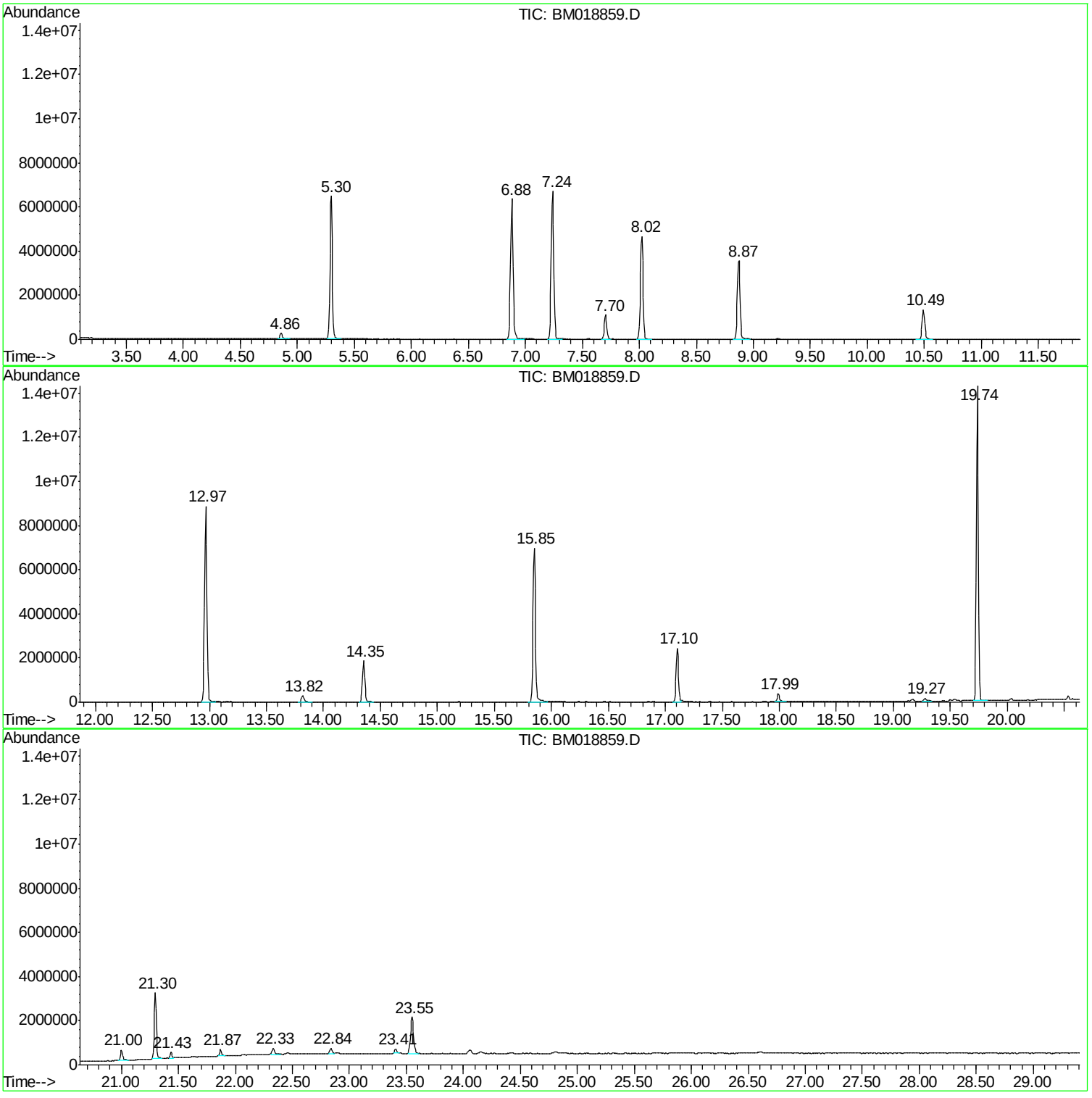
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** TS-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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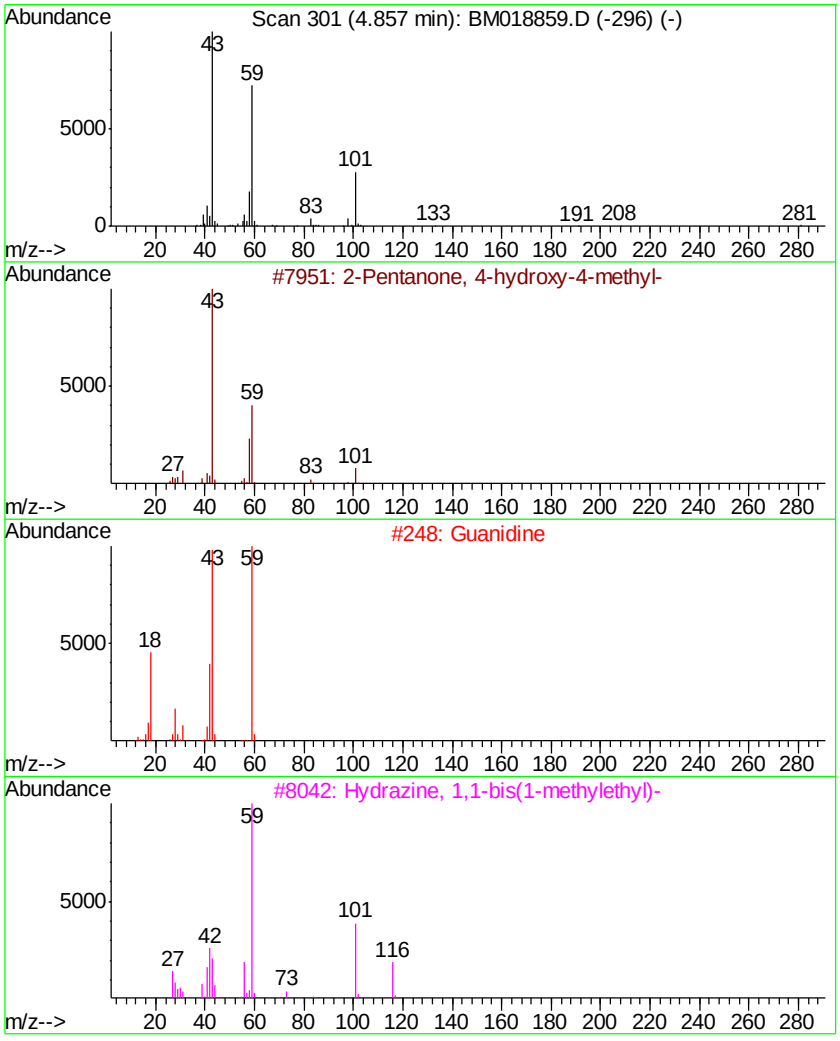
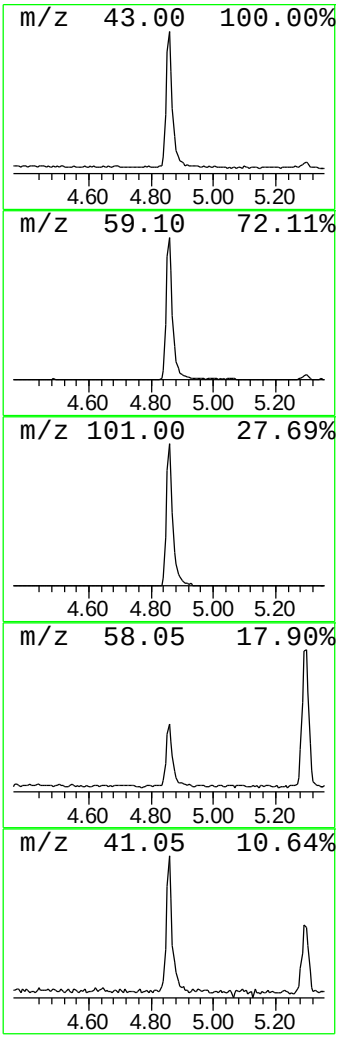
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.86 | 4.35 ng | 372432 | 1,4-Dichlorobenzene-d4 | 7.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 53 |
| 2 | Guanidine | 59 | CH5N3 | 000113-00-8 | 43 |
| 3 | Hydrazine, 1,1-bis(1-methylethyl)- | 116 | C6H16N2 | 000921-14-2 | 38 |
| 4 | 3-Octanol | 130 | C8H18O | 020296-29-1 | 25 |
| 5 | Acetic acid, 10,11-dihydroxy-3,7... | 298 | C17H30O4 | 1000194-28-5 | 23 |



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Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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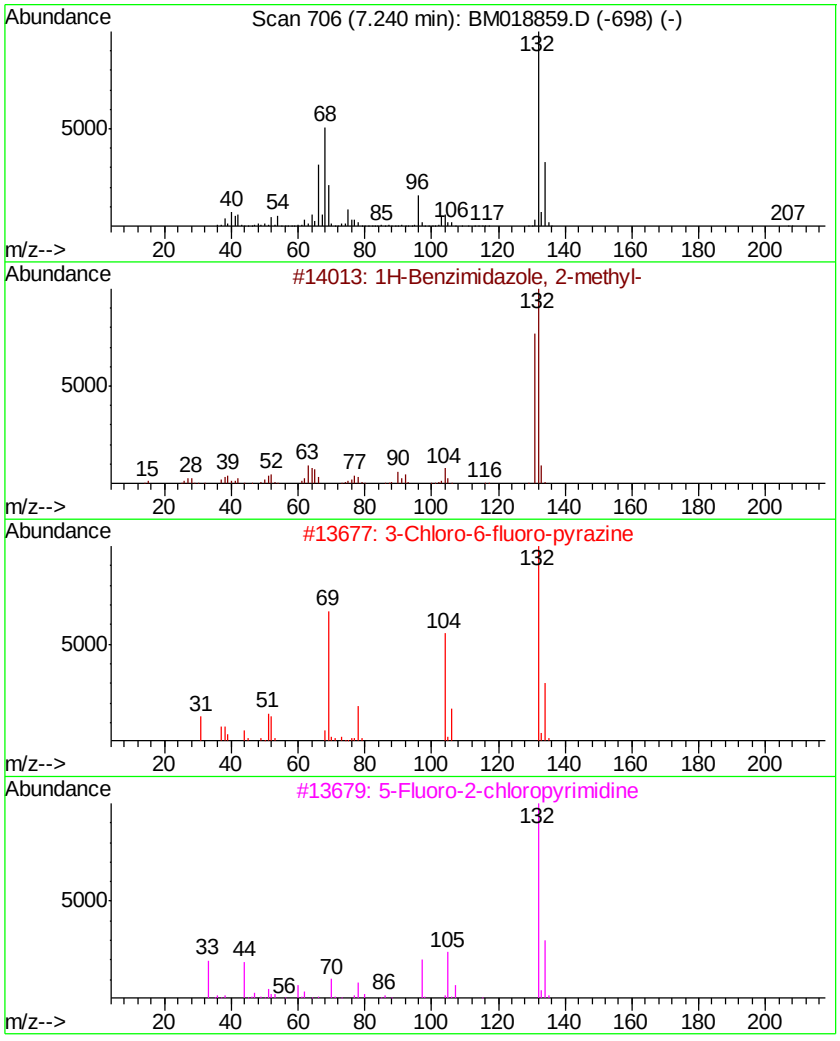
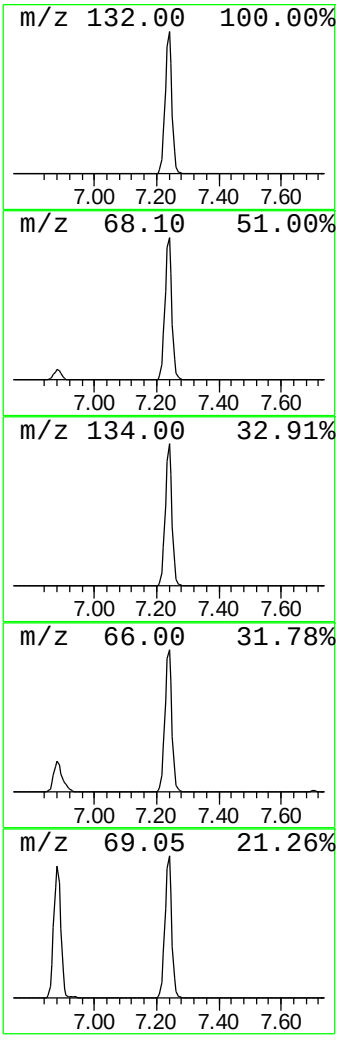
Peak Number 2 unknown7.24 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.24 | 120.94 ng | 10353700 | 1,4-Dichlorobenzene-d4 | 7.70 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 22 |
| 2 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 16 |
| 3 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 12 |
| 4 | 2-Cyclohexen-1-one | 96 | C6H8O | 000930-68-7 | 11 |
| 5 | (5-METHYL-2-PYRIDYL)ACETONITRILE | 132 | C8H8N2 | 1000241-93-9 | 10 |



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Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** TS-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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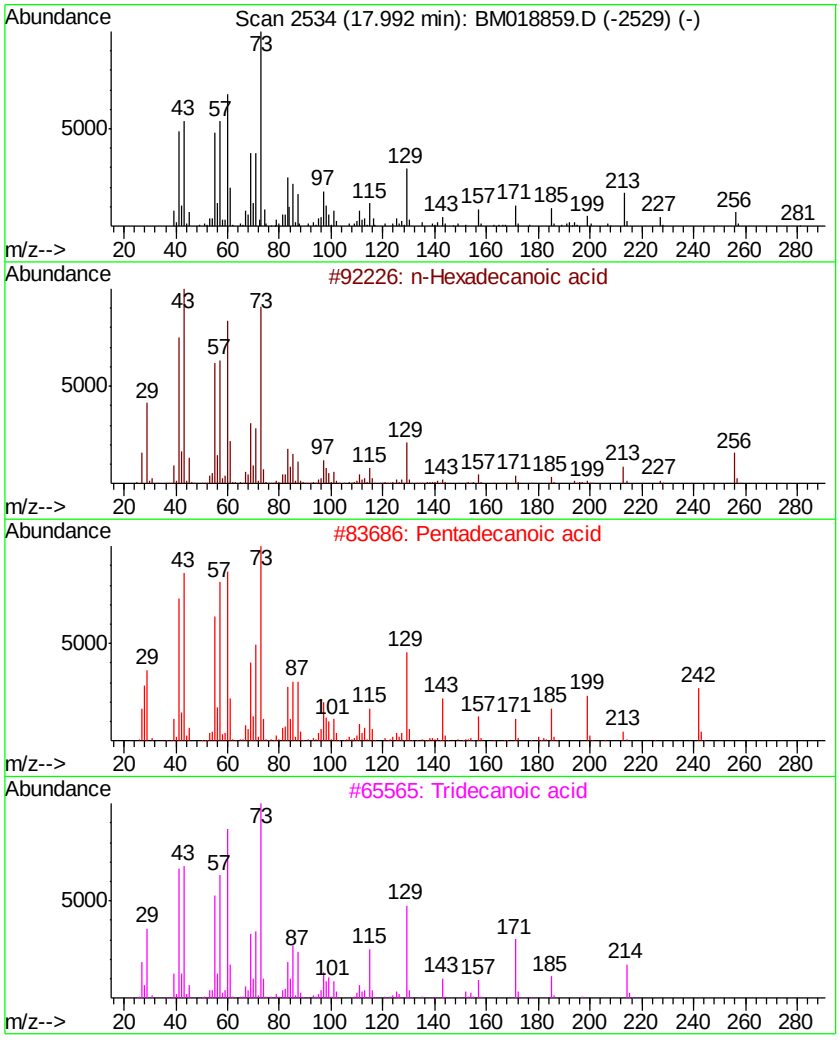
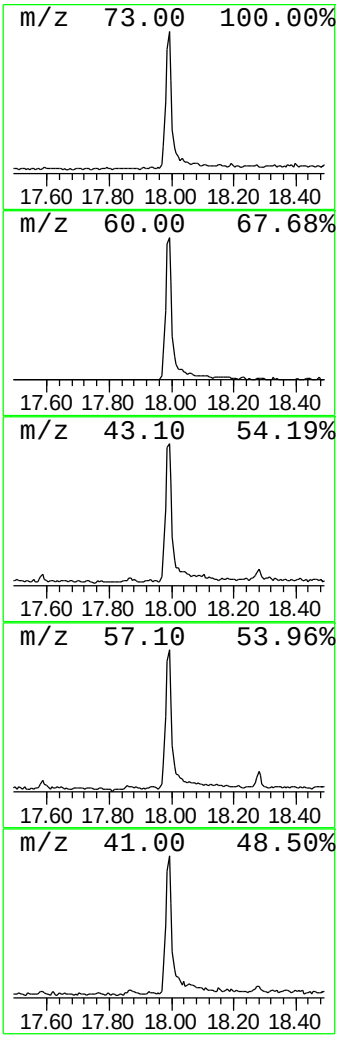
Peak Number 4 n-Hexadecanoic acid Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.99 | 3.48 ng | 590244 | Phenanthrene-d10 | 17.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 97 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 72 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 64 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 64 |
| 5 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 46 |



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Operator : JU/SJ
Sample : K1515-06
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** TS-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
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TIC Library : C:\DATABASE\NIST02.L
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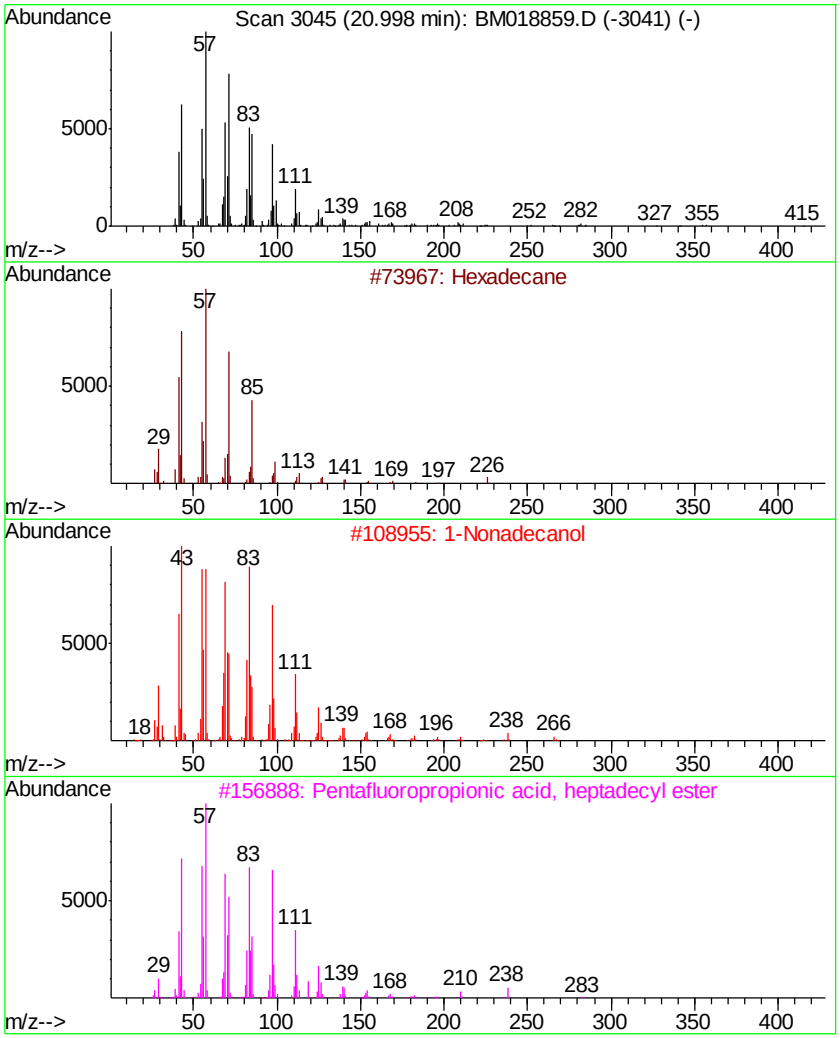
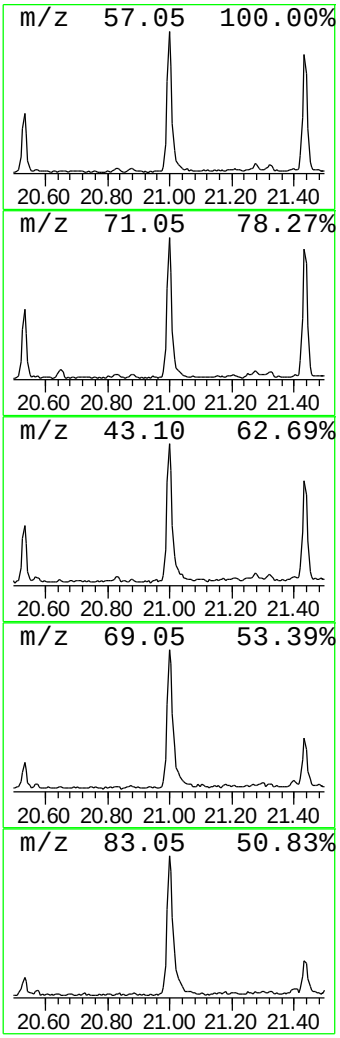
Peak Number 5 Hexadecane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.00 | 3.87 ng | 711606 | Chrysene-d12 | 21.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 2 | 1-Nonadecanol | 284 | C19H40O | 001454-84-8 | 60 |
| 3 | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 1000283-04-2 | 58 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 55 |
| 5 | Bromoacetic acid, hexadecyl ester | 362 | C18H35BrO2 | 005454-48-8 | 55 |



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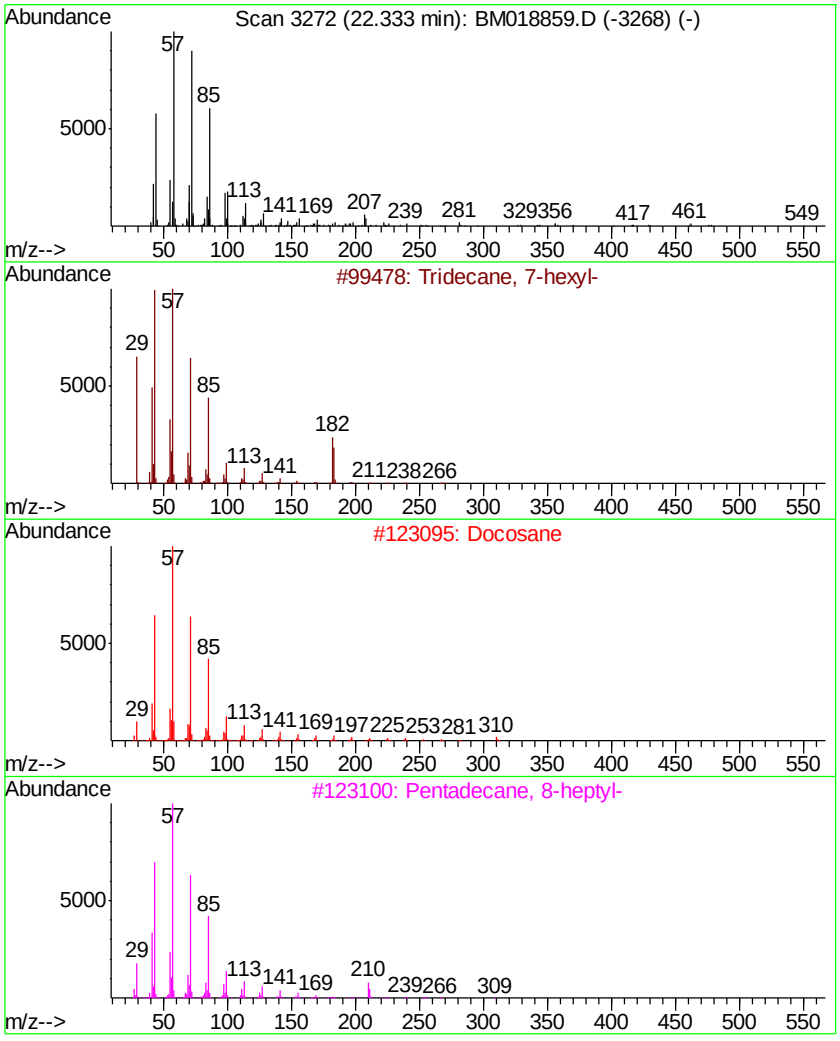
TIC Integration Parameters: LSCINT.P

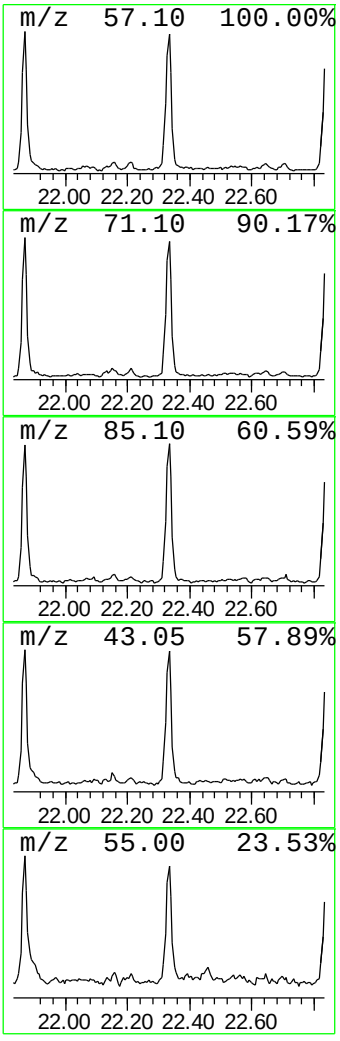
**********

Peak Number 6 Tridecane, 7-hexyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.33 | 2.18 ng | 400195 | Chrysene-d12 | 21.30 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 7-hexyl- | 268 | C19H40 | 007225-66-3 | 90 |
| 2 | Docosane | 310 | C22H46 | 000629-97-0 | 86 |
| 3 | Pentadecane, 8-heptyl- | 310 | C22H46 | 071005-15-7 | 86 |
| 4 | Nonacosane | 408 | C29H60 | 000630-03-5 | 86 |
| 5 | Heptadecane | 240 | C17H36 | 000629-78-7 | 86 |



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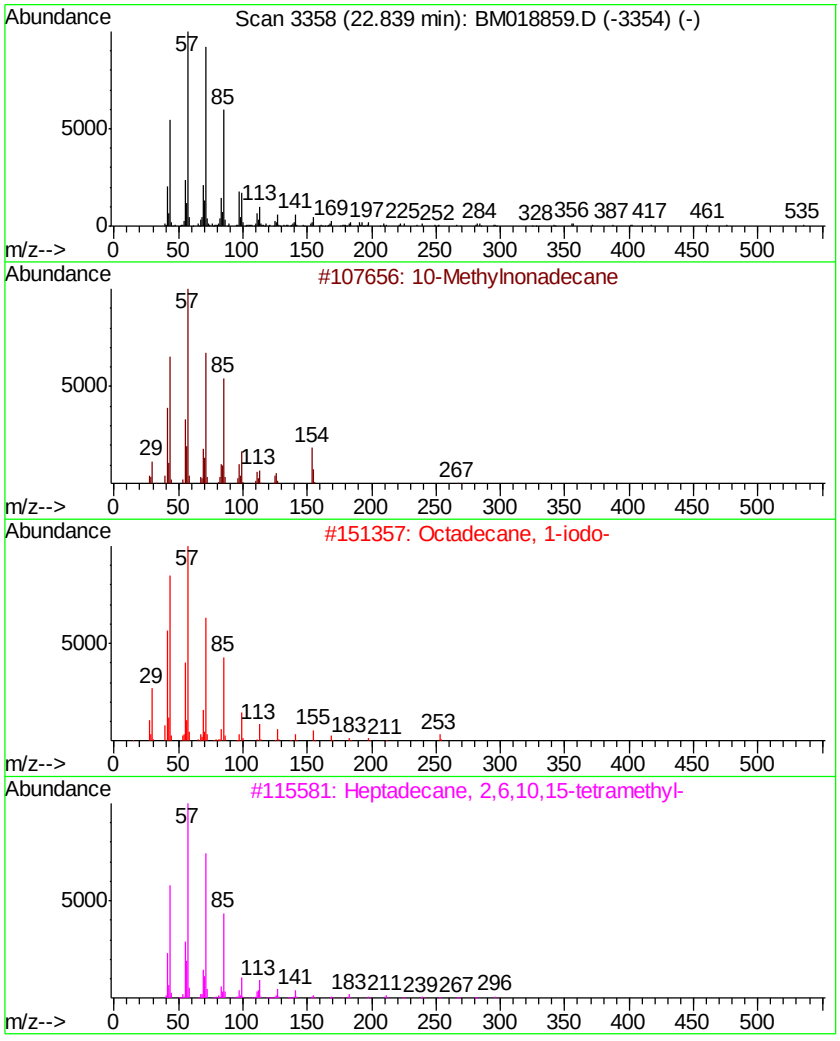
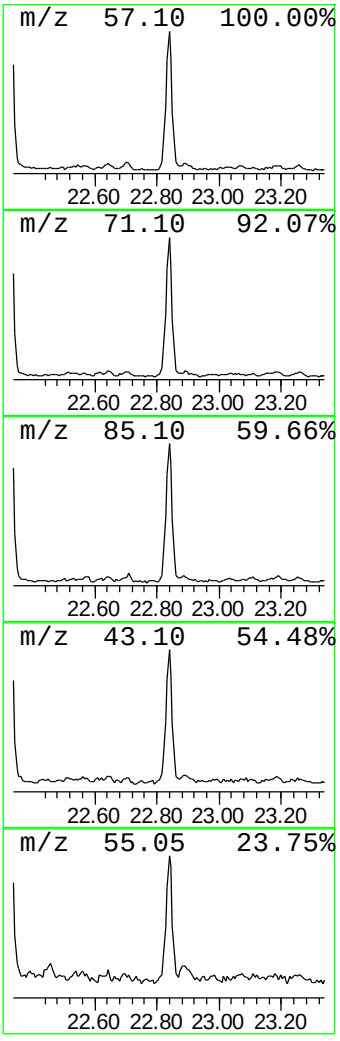
**********

Peak Number 7 10-Methylnonadecane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.84 | 2.34 ng | 354366 | Perylene-d12 | 23.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 10-Methylnonadecane | 282 | C20H42 | 056862-62-5 | 90 |
| 2 | Octadecane, 1-iodo- | 380 | C18H37I | 000629-93-6 | 87 |
| 3 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 87 |
| 4 | Pentadecane, 8-heptyl- | 310 | C22H46 | 071005-15-7 | 86 |
| 5 | Octadecane | 254 | C18H38 | 000593-45-3 | 83 |



# Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| 2-Pentanone, 4-hy... | 4.86 | 4.3 | ng | 372432 | 1 | 7.70 | 1712150 | 20.0 |
| unknown7.24 | 7.24 | 120.9 | ng | 10353700 | 1 | 7.70 | 1712150 | 20.0 |
| n-Hexadecanoic acid | 17.99 | 3.5 | ng | 590244 | 4 | 17.10 | 3392080 | 20.0 |
| Hexadecane | 21.00 | 3.9 | ng | 711606 | 5 | 21.30 | 3676580 | 20.0 |
| Tridecane, 7-hexyl- | 22.33 | 2.2 | ng | 400195 | 5 | 21.30 | 3676580 | 20.0 |
| 10-Methylnonadecane | 22.84 | 2.3 | ng | 354366 | 6 | 23.55 | 3032300 | 20.0 |