LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010919\
Data File : BM018476.D
Acq On : 09 Jan 2019 17:05
Operator : JU/SJ
Sample : K1088-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CPSB-05(15-20)

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-BM010919.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 | 3.528 | 72 | 75 | 85 | rBV | 235911 | 370278 | 1.13% | 0.189% |
| 2 | 4.899 | 303 | 308 | 315 | rVB | 428138 | 610168 | 1.86% | 0.312% |
| 3 | 5.352 | 378 | 385 | 402 | rBV | 10315331 | 14578328 | 44.36% | 7.458% |
| 4 | 6.940 | 647 | 655 | 667 | rBV | 9845603 | 16077633 | 48.92% | 8.225% |
| 5 | 7.298 | 708 | 716 | 726 | rBV | 10680179 | 16704335 | 50.83% | 8.546% |
| 6 | 7.763 | 788 | 795 | 801 | rBV | 1912936 | 3073818 | 9.35% | 1.573% |
| 7 | 8.081 | 841 | 849 | 859 | rBV | 7962838 | 12698791 | 38.64% | 6.497% |
| 8 | 8.928 | 985 | 993 | 1001 | rBV | 6141246 | 9777958 | 29.75% | 5.002% |
| 9 | 10.551 | 1262 | 1269 | 1277 | rBV | 2478667 | 4070572 | 12.39% | 2.082% |
| 10 | 13.028 | 1682 | 1690 | 1699 | rBV | 15254995 | 22136682 | 67.36% | 11.325% |
| 11 | 13.863 | 1825 | 1832 | 1841 | rBV | 1759672 | 2498977 | 7.60% | 1.278% |
| 12 | 14.410 | 1917 | 1925 | 1933 | rVB2 | 3469437 | 5302516 | 16.13% | 2.713% |
| 13 | 15.904 | 2172 | 2179 | 2194 | rBV | 12670952 | 18288289 | 55.65% | 9.356% |
| 14 | 17.157 | 2386 | 2392 | 2399 | rBV | 4720062 | 6492598 | 19.76% | 3.322% |
| 15 | 18.051 | 2537 | 2544 | 2554 | rBV | 2547519 | 4240293 | 12.90% | 2.169% |
| 16 | 19.233 | 2734 | 2745 | 2749 | rBV3 | 323648 | 737442 | 2.24% | 0.377% |
| 17 | 19.333 | 2757 | 2762 | 2781 | rBV | 3059302 | 4970562 | 15.12% | 2.543% |
| 18 | 19.792 | 2834 | 2840 | 2845 | rBV | 25182672 | 32863968 | 100.00% | 16.813% |
| 19 | 21.056 | 3051 | 3055 | 3066 | rBV | 1253944 | 1587770 | 4.83% | 0.812% |
| 20 | 21.351 | 3100 | 3105 | 3113 | rBV | 6295530 | 8082336 | 24.59% | 4.135% |
| 21 | 21.939 | 3202 | 3205 | 3211 | rBV4 | 228525 | 338984 | 1.03% | 0.173% |
| 22 | 22.409 | 3282 | 3285 | 3292 | rVB3 | 454642 | 574742 | 1.75% | 0.294% |
| 23 | 22.539 | 3304 | 3307 | 3312 | rVB | 441192 | 533675 | 1.62% | 0.273% |
| 24 | 22.927 | 3369 | 3373 | 3378 | rVB | 432776 | 578052 | 1.76% | 0.296% |
| 25 | 23.509 | 3469 | 3472 | 3481 | rVB2 | 411346 | 627083 | 1.91% | 0.321% |
| 26 | 23.644 | 3488 | 3495 | 3504 | rVB2 | 3965376 | 7654213 | 23.29% | 3.916% |

Sum of corrected areas: 195470063

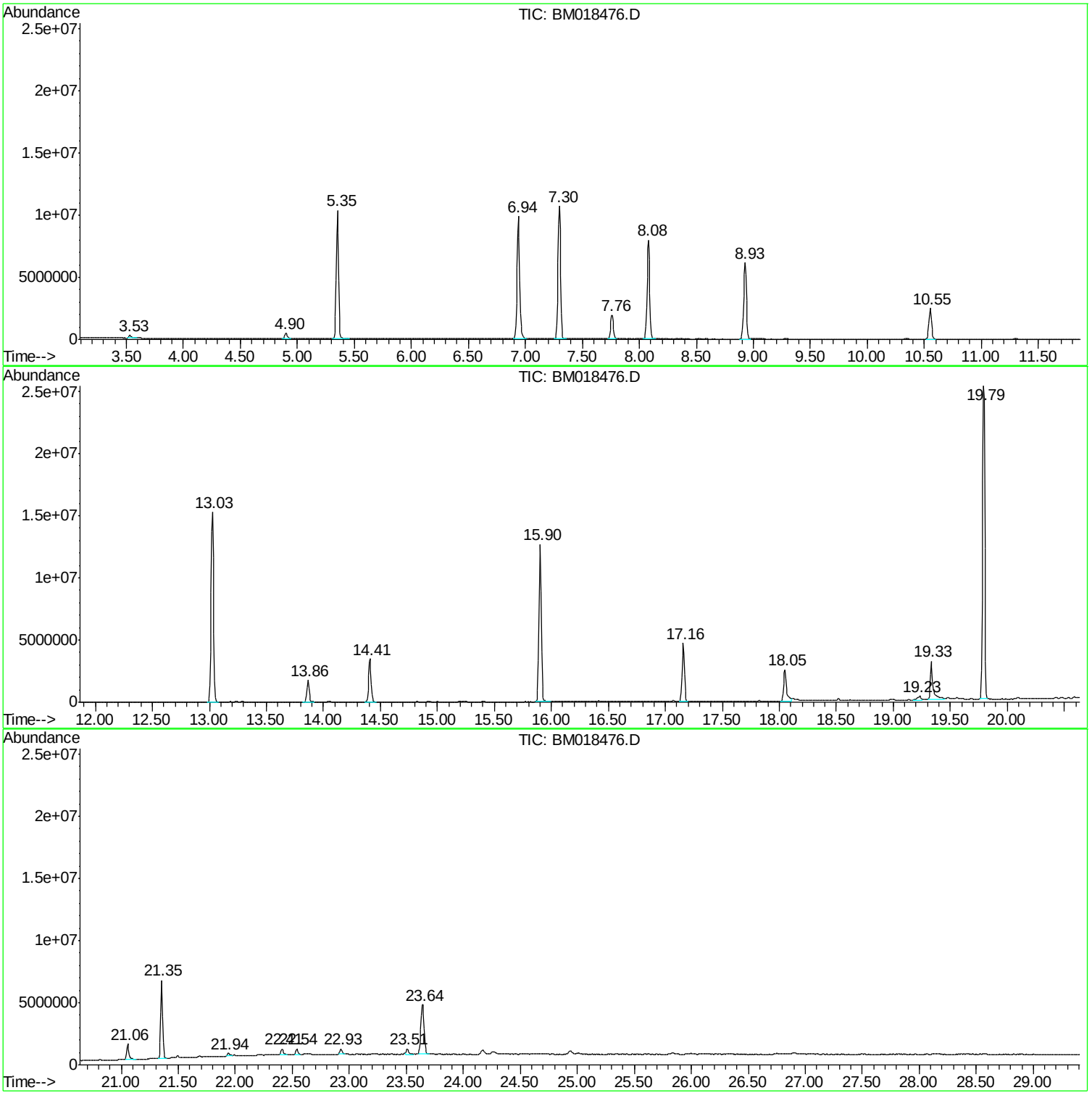
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010919\
Data File : BM018476.D
Acq On : 09 Jan 2019 17:05
Operator : JU/SJ
Sample : K1088-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
CPSB-05(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010919\
Data File : BM018476.D
Acq On : 09 Jan 2019 17:05
Operator : JU/SJ
Sample : K1088-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CPSB-05(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

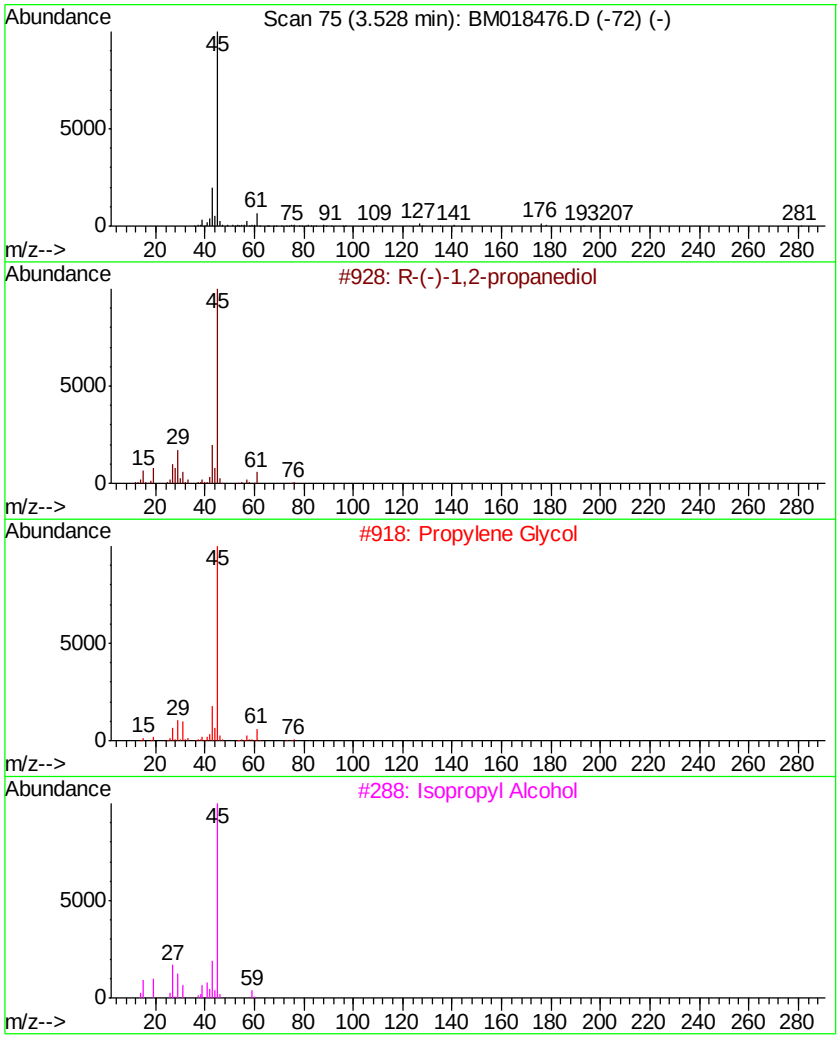
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

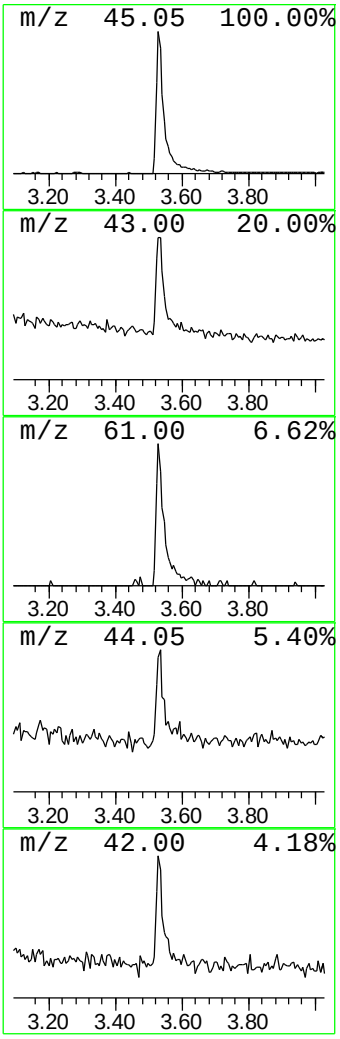
**********

Peak Number 1 R-(-)-1,2-propanediol Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.53 | 2.41 ng | 370278 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | R-(-)-1,2-propanediol | 76 | C3H8O2 | 004254-14-2 | 72 |
| 2 | Propylene Glycol | 76 | C3H8O2 | 000057-55-6 | 72 |
| 3 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 56 |
| 4 | Formic acid, 1-methylpropyl ester | 102 | C5H10O2 | 000589-40-2 | 9 |
| 5 | (S)-2-Hydroxypropanoic acid | 90 | C3H6O3 | 000079-33-4 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010919\
Data File : BM018476.D
Acq On : 09 Jan 2019 17:05
Operator : JU/SJ
Sample : K1088-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CPSB-05(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

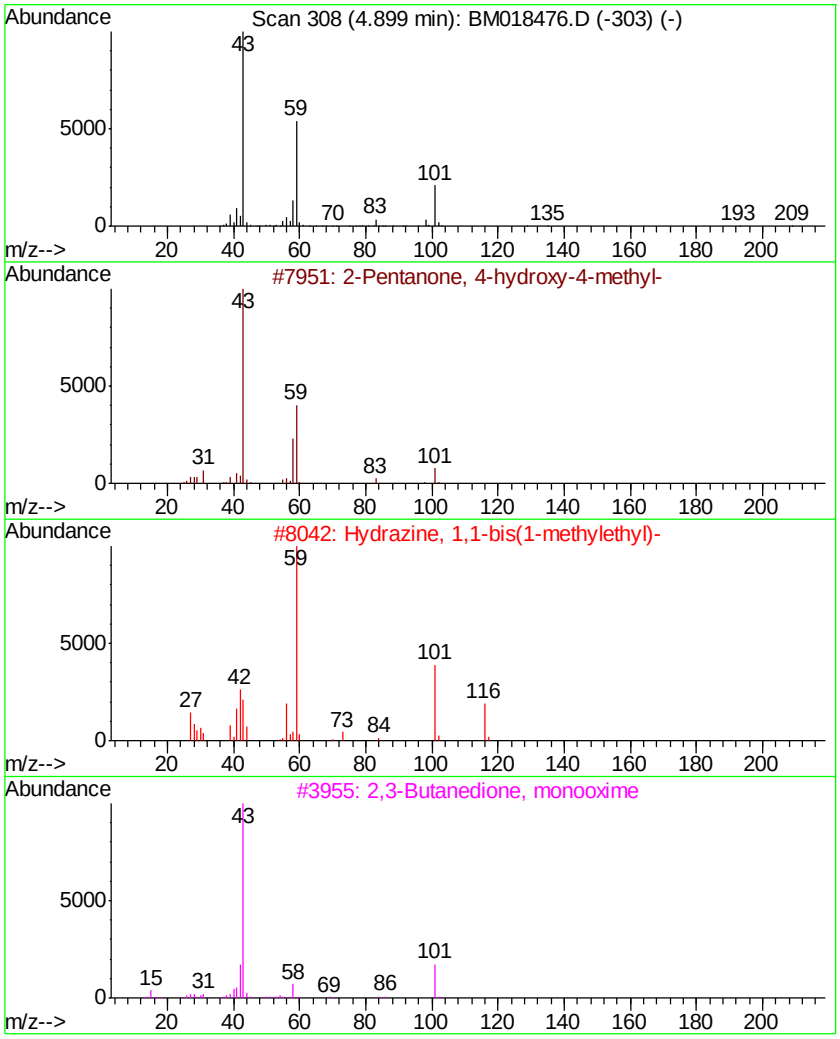
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

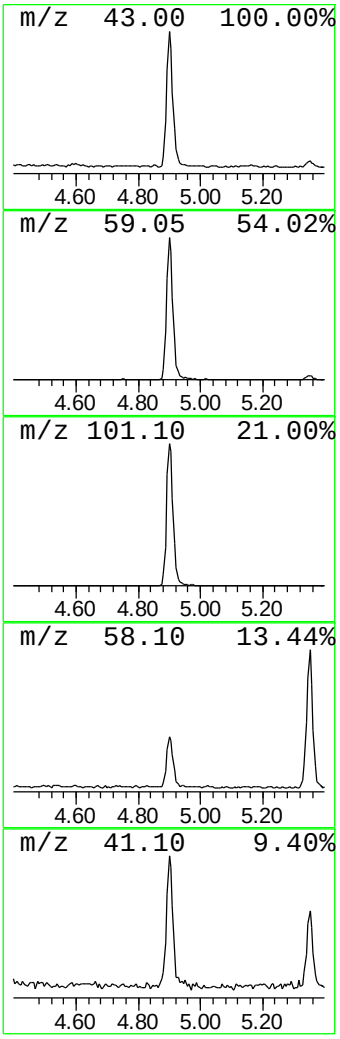
**********

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.90 | 3.97 ng | 610168 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 72 |
| 2 | Hydrazine, 1,1-bis(1-methylethyl)- | 116 | C6H16N2 | 000921-14-2 | 33 |
| 3 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 25 |
| 4 | Silane, trimethyl- | 74 | C3H10Si | 000993-07-7 | 23 |
| 5 | Butane, 1-ethoxy- | 102 | C6H14O | 000628-81-9 | 9 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010919\
Data File : BM018476.D
Acq On : 09 Jan 2019 17:05
Operator : JU/SJ
Sample : K1088-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CPSB-05(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

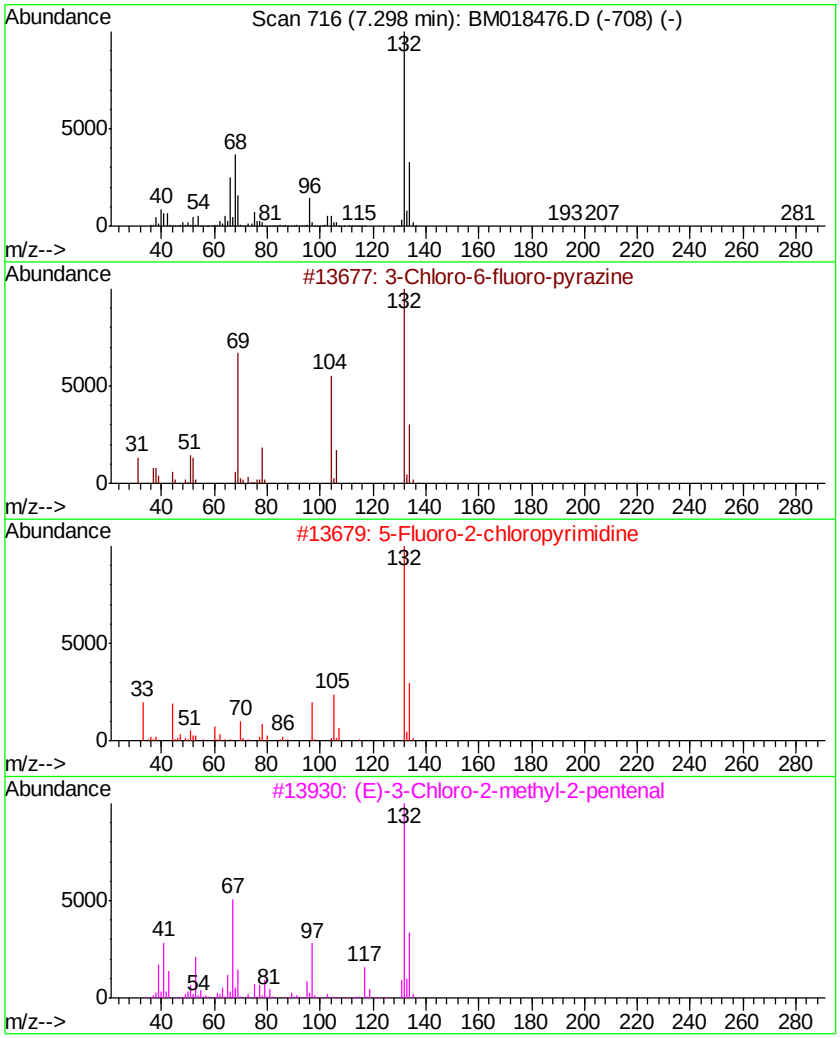
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

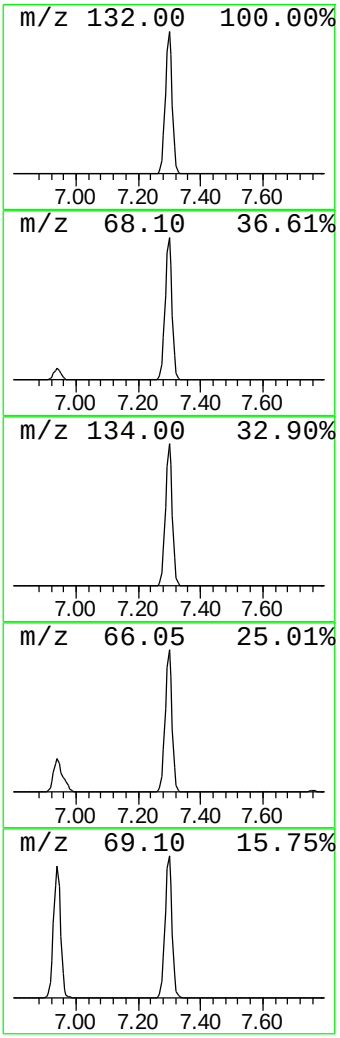
**********

Peak Number 3 unknown7.30 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.30 | 108.69 ng | 16704300 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 35 |
| 2 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 25 |
| 3 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010919\
Data File : BM018476.D
Acq On : 09 Jan 2019 17:05
Operator : JU/SJ
Sample : K1088-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CPSB-05(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

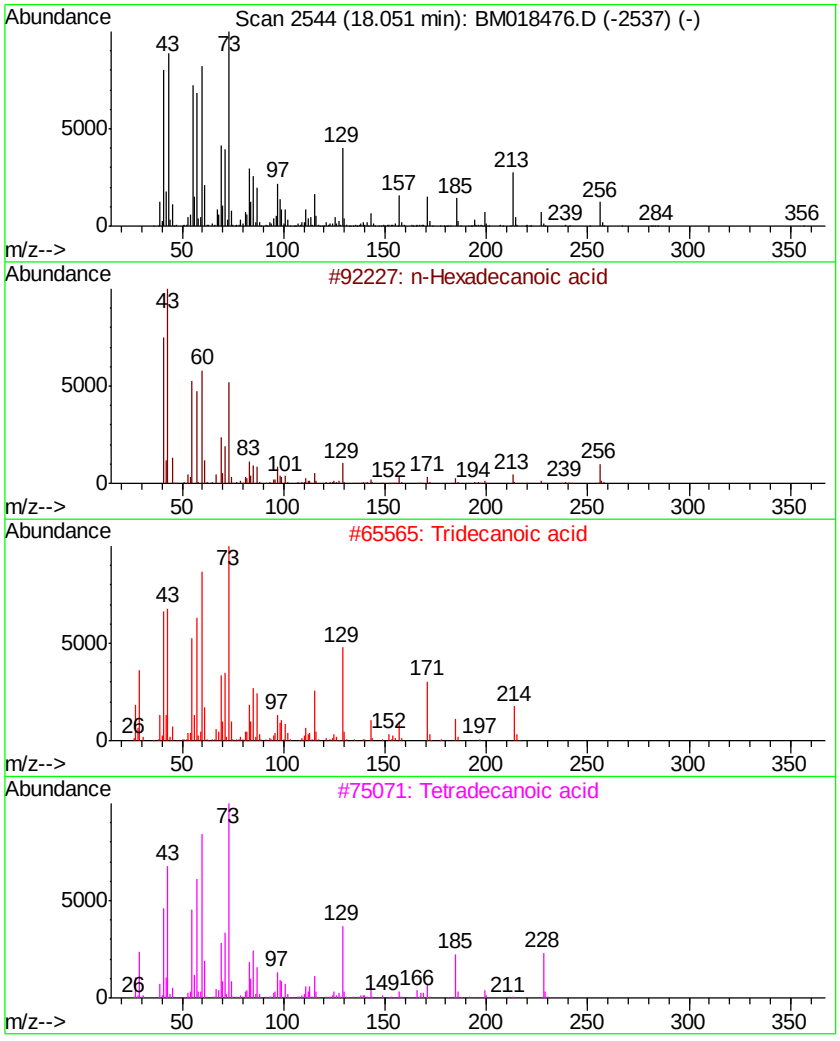
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

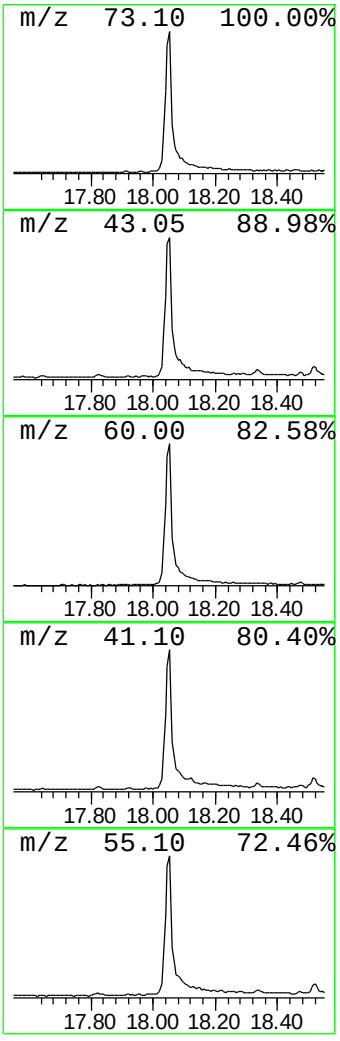
**********

Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.05 | 13.06 ng | 4240290 | Phenanthrene-d10 | 17.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 93 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 93 |
| 4 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 76 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 74 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010919\
Data File : BM018476.D
Acq On : 09 Jan 2019 17:05
Operator : JU/SJ
Sample : K1088-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CPSB-05(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

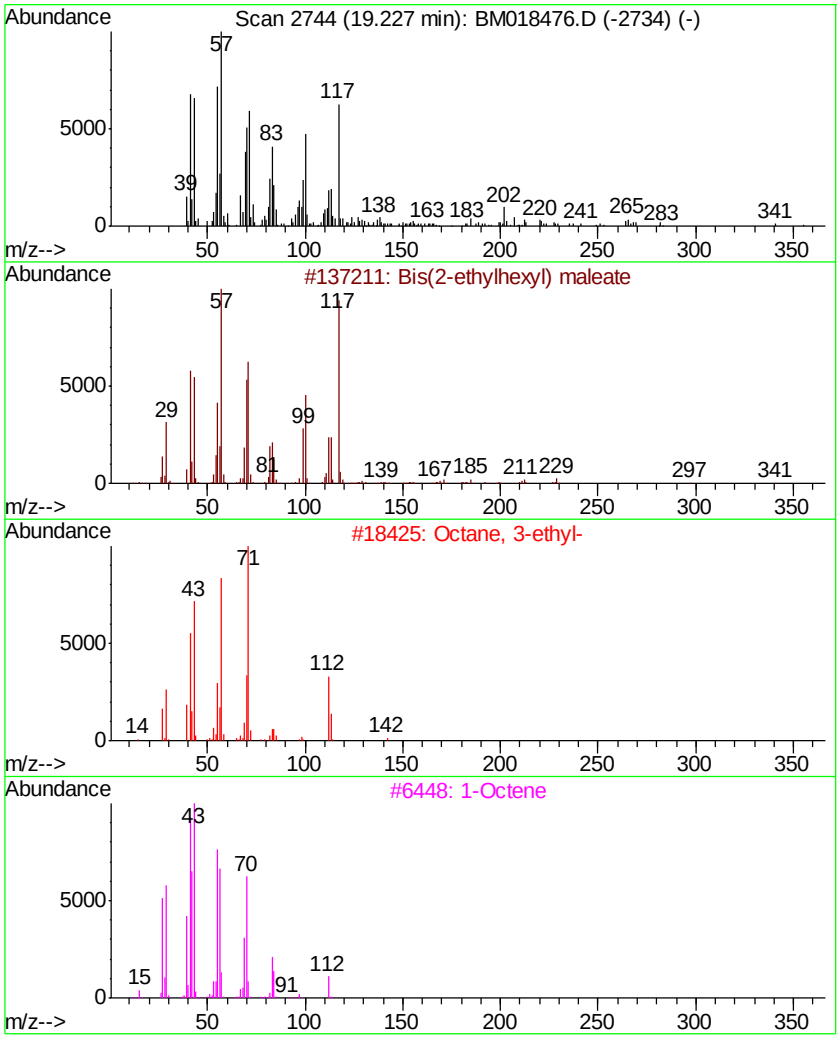
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

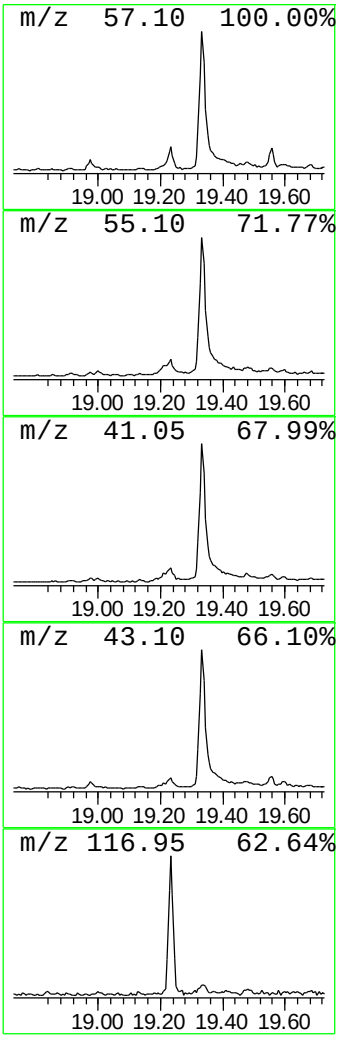
**********

Peak Number 6 Bis(2-ethylhexyl) maleate Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.23 | 2.27 ng | 737442 | Phenanthrene-d10 | 17.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bis(2-ethylhexyl) maleate | 340 | C20H36O4 | 000142-16-5 | 86 |
| 2 | Octane, 3-ethyl- | 142 | C10H22 | 005881-17-4 | 22 |
| 3 | 1-Octene | 112 | C8H16 | 000111-66-0 | 22 |
| 4 | 2-Decenal, (E)- | 154 | C10H18O | 003913-81-3 | 20 |
| 5 | 2-Heptene, 3-methyl- | 112 | C8H16 | 003404-75-9 | 18 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM010919\
Data File : BM018476.D
Acq On : 09 Jan 2019 17:05
Operator : JU/SJ
Sample : K1088-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CPSB-05(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

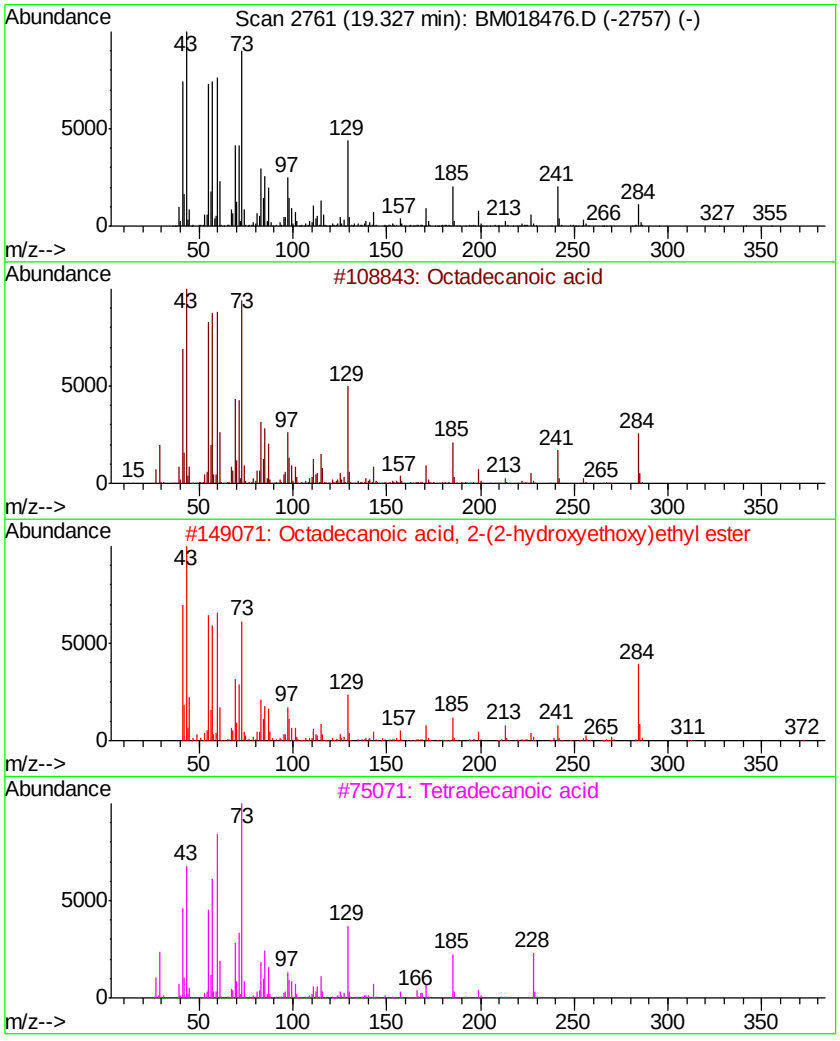
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

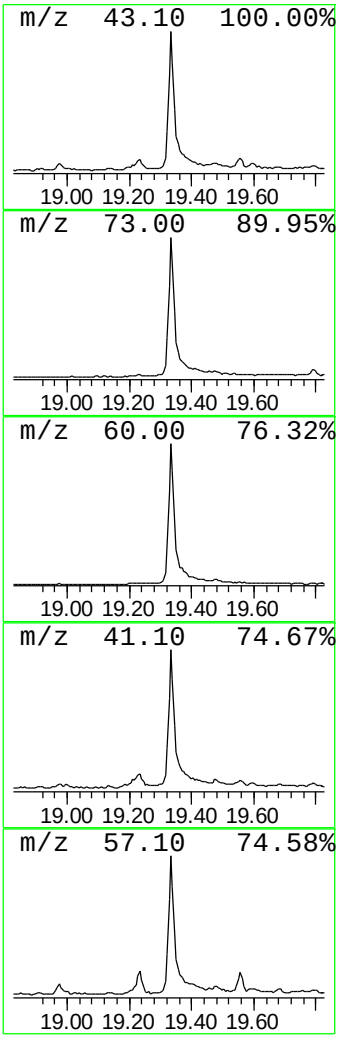
**********

Peak Number 7 Octadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.33 | 12.30 ng | 4970560 | Chrysene-d12 | 21.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 91 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 83 |
| 4 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 70 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 49 |



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Data File : BM018476.D
Acq On : 09 Jan 2019 17:05
Operator : JU/SJ
Sample : K1088-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CPSB-05(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

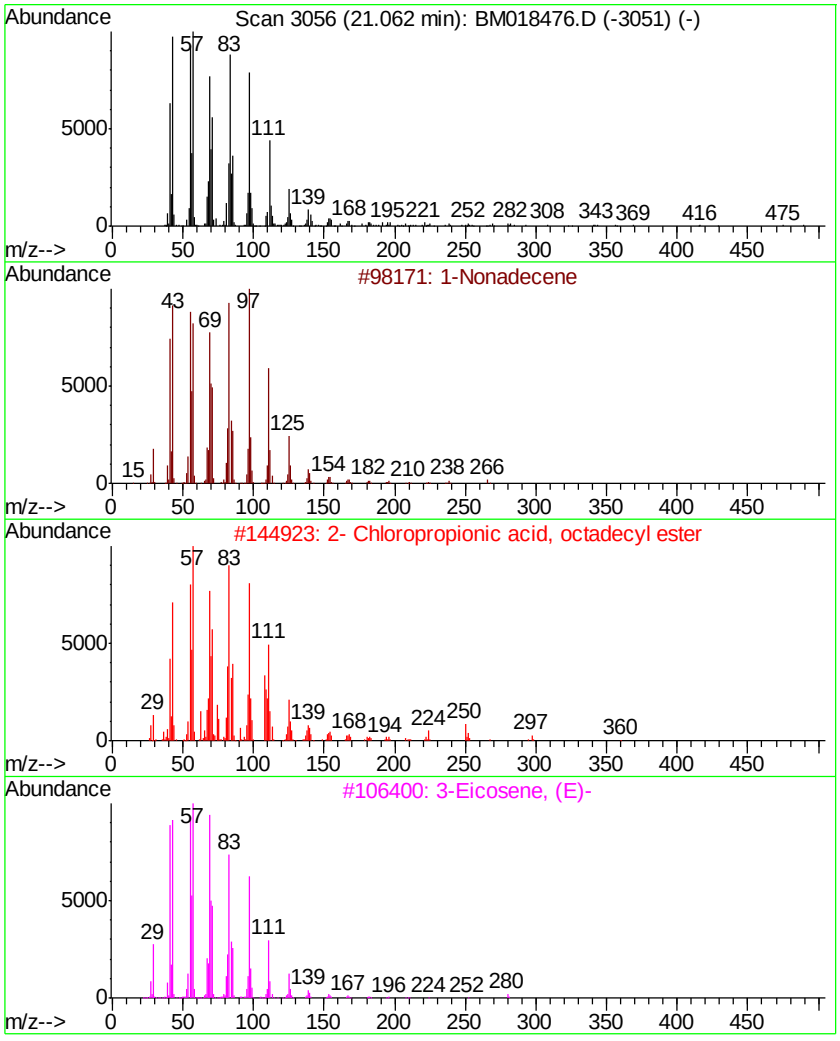
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

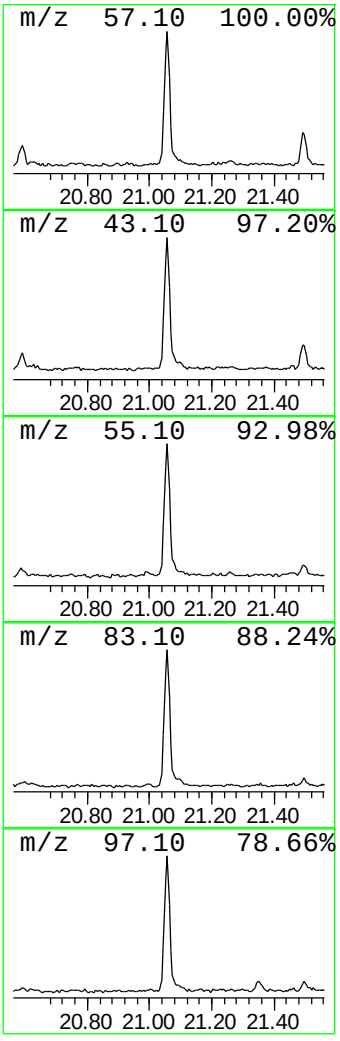
**********

Peak Number 8 1-Nonadecene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.06 | 3.93 ng | 1587770 | Chrysene-d12 | 21.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 97 |
| 2 | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2 | 088104-31-8 | 94 |
| 3 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 91 |
| 4 | Trifluoroacetic acid, n-octadecy... | 366 | C20H37F3O2 | 079392-43-1 | 91 |
| 5 | Bromoacetic acid, octadecyl ester | 390 | C20H39BrO2 | 018992-03-5 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM010919\
Data File : BM018476.D
Acq On : 09 Jan 2019 17:05
Operator : JU/SJ
Sample : K1088-07
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CPSB-05(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| R-(-)-1,2-propane... | 3.53 | 2.4 | ng | 370278 | 1 | 7.76 | 3073820 | 20.0 |
| 2-Pentanone, 4-hy... | 4.90 | 4.0 | ng | 610168 | 1 | 7.76 | 3073820 | 20.0 |
| unknown7.30 | 7.30 | 108.7 | ng | 16704300 | 1 | 7.76 | 3073820 | 20.0 |
| n-Hexadecanoic acid | 18.05 | 13.1 | ng | 4240290 | 4 | 17.16 | 6492600 | 20.0 |
| Bis(2-ethylhexyl)... | 19.23 | 2.3 | ng | 737442 | 4 | 17.16 | 6492600 | 20.0 |
| Octadecanoic acid | 19.33 | 12.3 | ng | 4970560 | 5 | 21.35 | 8082340 | 20.0 |
| 1-Nonadecene | 21.06 | 3.9 | ng | 1587770 | 5 | 21.35 | 8082340 | 20.0 |