LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

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_F\METHODS\8270-BF080818.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 | 4.072 | 287 | 295 | 302 | rBV | 1866935 | 2827110 | 2.37% | 0.644% |
| 2 | 5.601 | 549 | 555 | 562 | rBV | 2585096 | 4903040 | 4.11% | 1.117% |
| 3 | 5.660 | 562 | 565 | 575 | rVB | 1017747 | 1485156 | 1.24% | 0.338% |
| 4 | 6.801 | 755 | 759 | 763 | rBV | 840449 | 1440852 | 1.21% | 0.328% |
| 5 | 7.019 | 771 | 796 | 798 | rBV2 | 2512456 | 7350911 | 6.16% | 1.675% |
| 6 | 7.183 | 800 | 824 | 827 | rBV3 | 11993455 | 82799220 | 69.34% | 18.868% |
| 7 | 7.595 | 889 | 894 | 896 | rVV | 2751019 | 2697749 | 2.26% | 0.615% |
| 8 | 8.024 | 907 | 967 | 969 | rBV | 7591078 | 64311117 | 53.86% | 14.655% |
| 9 | 8.207 | 993 | 998 | 999 | rBV | 1800394 | 1885624 | 1.58% | 0.430% |
| 10 | 8.283 | 1000 | 1011 | 1012 | rVV2 | 3708857 | 12742104 | 10.67% | 2.904% |
| 11 | 8.307 | 1014 | 1015 | 1017 | rVV | 2741509 | 2665539 | 2.23% | 0.607% |
| 12 | 8.330 | 1018 | 1019 | 1022 | rVB | 2725186 | 1925429 | 1.61% | 0.439% |
| 13 | 8.713 | 1076 | 1084 | 1087 | rBV2 | 1279521 | 2038190 | 1.71% | 0.464% |
| 14 | 9.301 | 1165 | 1184 | 1186 | rBV | 3684743 | 11274174 | 9.44% | 2.569% |
| 15 | 9.377 | 1192 | 1197 | 1200 | rBV | 5692334 | 4948251 | 4.14% | 1.128% |
| 16 | 9.771 | 1257 | 1264 | 1268 | rBV | 1339629 | 1850787 | 1.55% | 0.422% |
| 17 | 9.871 | 1277 | 1281 | 1289 | rVB | 1483523 | 1604950 | 1.34% | 0.366% |
| 18 | 10.065 | 1310 | 1314 | 1323 | rVB | 1395067 | 1378855 | 1.15% | 0.314% |
| 19 | 10.513 | 1343 | 1390 | 1392 | rBV | 13682636 | 119403392 | 100.00% | 27.209% |
| 20 | 10.807 | 1435 | 1440 | 1444 | rBV | 1454763 | 1554136 | 1.30% | 0.354% |
| 21 | 10.860 | 1445 | 1449 | 1457 | rVB2 | 1878943 | 2135980 | 1.79% | 0.487% |
| 22 | 11.089 | 1482 | 1488 | 1490 | rBV | 4871599 | 6178223 | 5.17% | 1.408% |
| 23 | 11.118 | 1490 | 1493 | 1495 | rVV | 8866699 | 10847582 | 9.08% | 2.472% |
| 24 | 11.142 | 1495 | 1497 | 1506 | rVV | 6092294 | 7803218 | 6.54% | 1.778% |
| 25 | 11.236 | 1508 | 1513 | 1516 | rVV | 1603032 | 1863584 | 1.56% | 0.425% |
| 26 | 11.424 | 1541 | 1545 | 1553 | rVV | 7256698 | 9811929 | 8.22% | 2.236% |
| 27 | 11.501 | 1553 | 1558 | 1561 | rVV | 7329629 | 6983531 | 5.85% | 1.591% |
| 28 | 11.989 | 1637 | 1641 | 1646 | rBV | 2292706 | 1981486 | 1.66% | 0.452% |
| 29 | 12.077 | 1651 | 1656 | 1660 | rVV | 2510073 | 3274963 | 2.74% | 0.746% |
| 30 | 12.130 | 1660 | 1665 | 1680 | rVV3 | 1315500 | 2687747 | 2.25% | 0.612% |
| 31 | 13.018 | 1812 | 1816 | 1823 | rVV | 7485721 | 8952734 | 7.50% | 2.040% |
| 32 | 13.077 | 1823 | 1826 | 1832 | rVV | 3592142 | 3507254 | 2.94% | 0.799% |
| 33 | 13.148 | 1834 | 1838 | 1841 | rVV | 3824288 | 3385628 | 2.84% | 0.772% |
| 34 | 13.448 | 1885 | 1889 | 1892 | rBV | 4800866 | 4169402 | 3.49% | 0.950% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

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_F\METHODS\8270-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.806 | 1946 | 1950 | 1952 | rBV | 3736384 | 3415207 | 2.86% | 0.778% |
| 36 | 14.030 | 1984 | 1988 | 1992 | rBV | 5894377 | 6133737 | 5.14% | 1.398% |
| 37 | 14.148 | 2004 | 2008 | 2013 | rBV | 3100441 | 2955983 | 2.48% | 0.674% |
| 38 | 15.389 | 2215 | 2219 | 2229 | rVB | 993535 | 1594787 | 1.34% | 0.363% |
| 39 | 16.718 | 2437 | 2445 | 2453 | rVB | 2362167 | 4427305 | 3.71% | 1.009% |
| 40 | 18.100 | 2673 | 2680 | 2687 | rVB | 860941 | 2184000 | 1.83% | 0.498% |
| 41 | 18.712 | 2775 | 2784 | 2791 | rBV3 | 391485 | 1301212 | 1.09% | 0.297% |
| 42 | 18.859 | 2792 | 2809 | 2828 | rVB | 1988059 | 12154250 | 10.18% | 2.770% |

Sum of corrected areas: 438836328

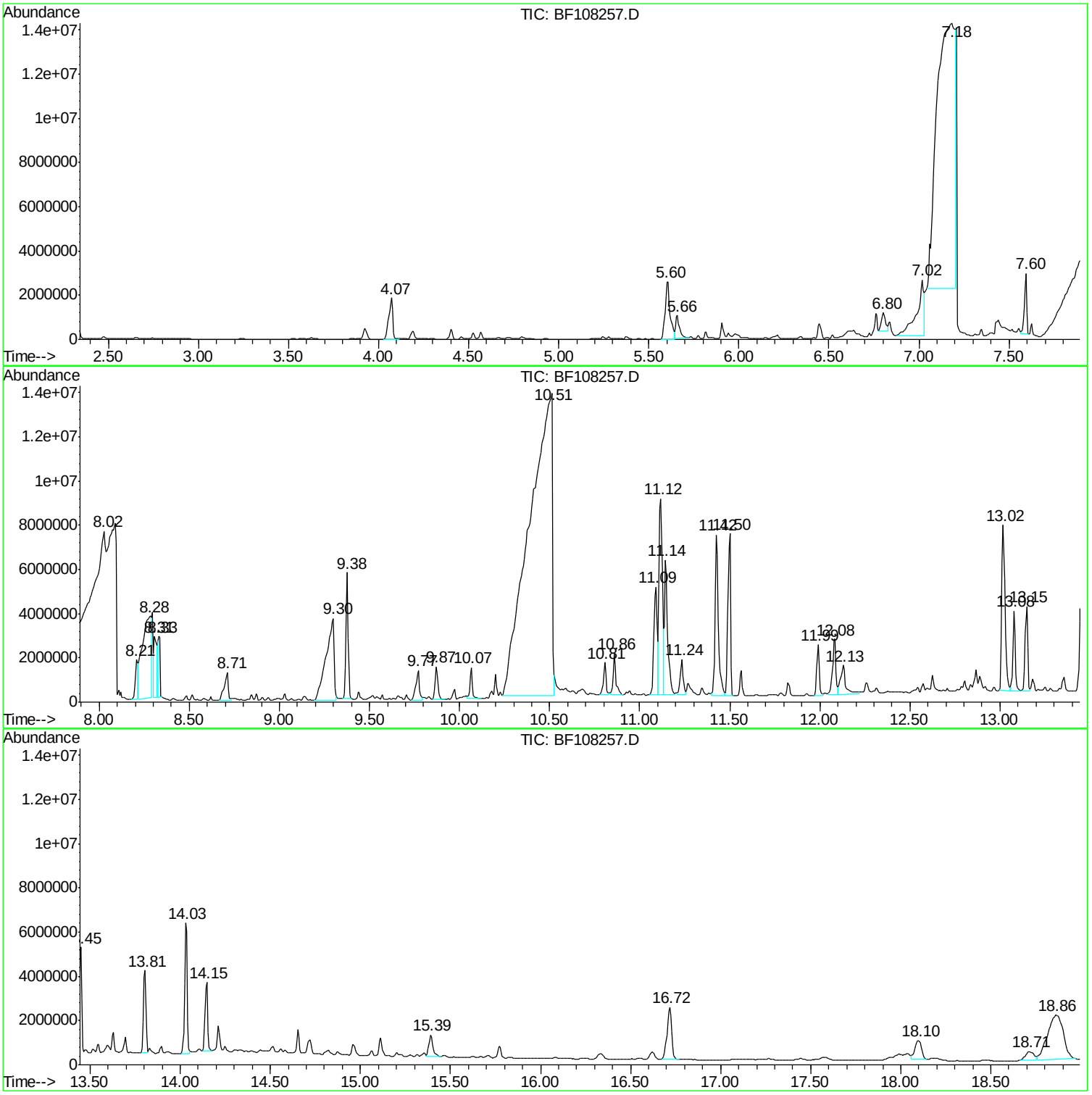
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

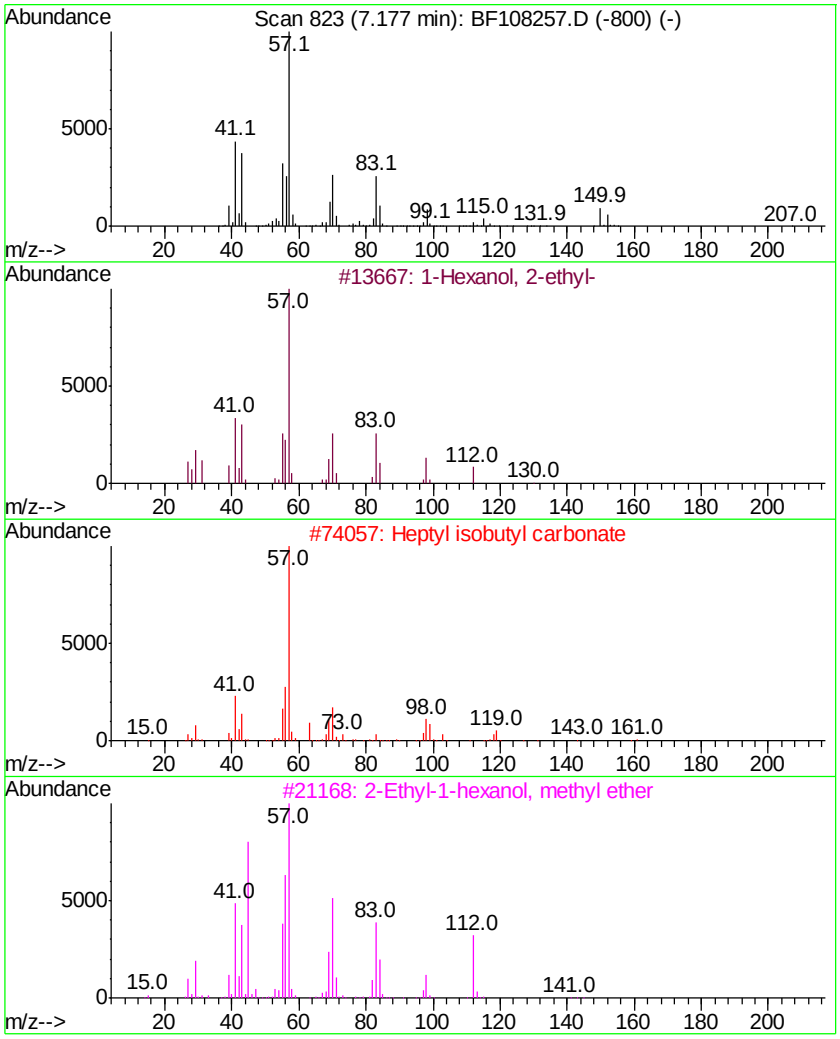
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

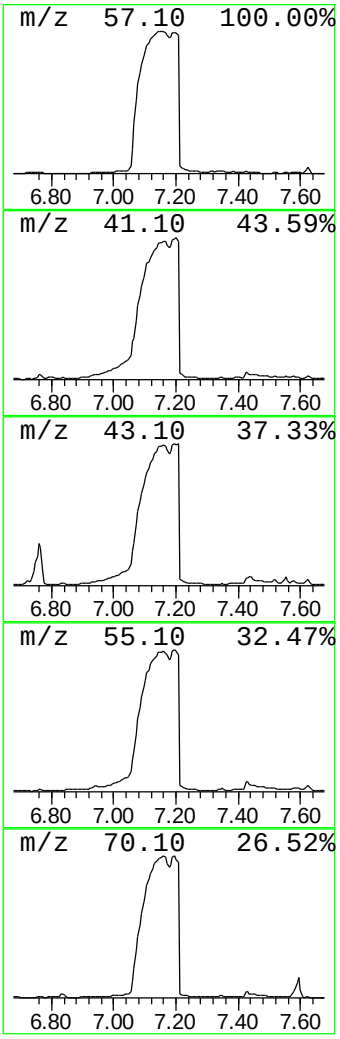
**********

Peak Number 1 1-Hexanol, 2-ethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.18 | 225.28 ng | 82799200 | 1,4-Dichlorobenzene-d4 | 7.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 78 |
| 2 | Heptyl isobutyl carbonate | 216 | C12H24O3 | 959068-08-7 | 50 |
| 3 | 2-Ethyl-1-hexanol, methyl ether | 144 | C9H20O | 1000365-10-2 | 47 |
| 4 | 1-Decene, 2,4-dimethyl- | 168 | C12H24 | 055170-80-4 | 47 |
| 5 | 2-Propyl-1-pentanol | 130 | C8H18O | 058175-57-8 | 42 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

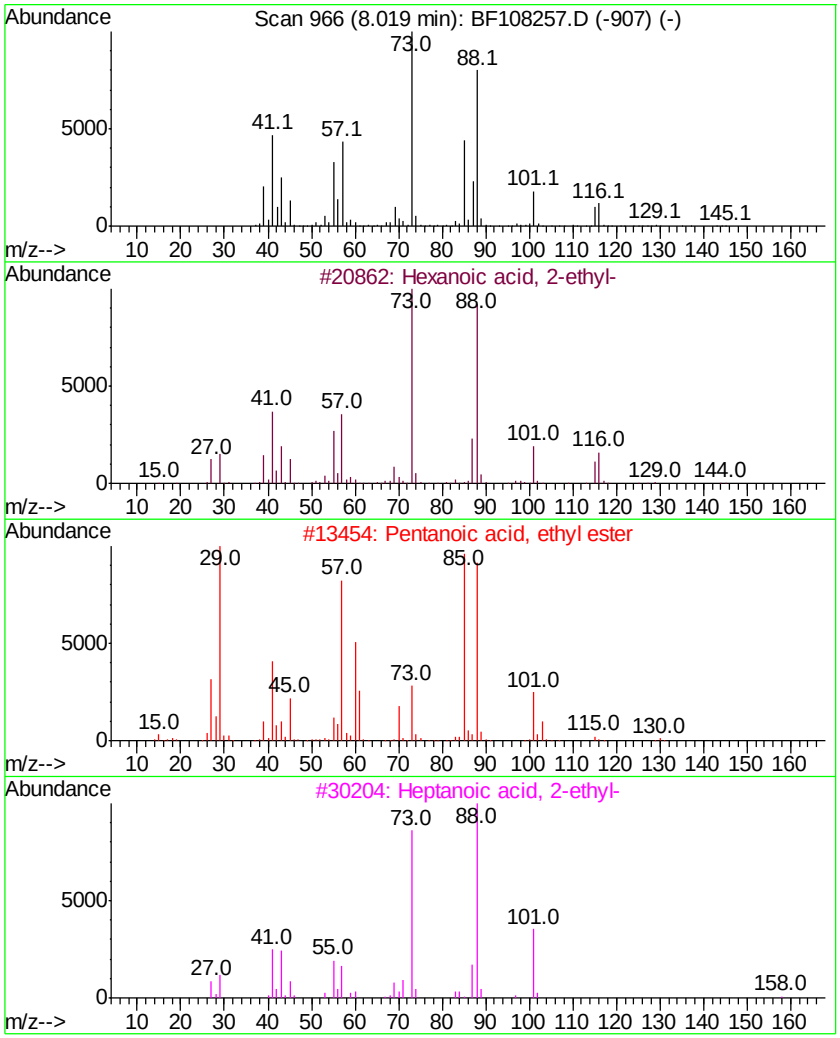
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

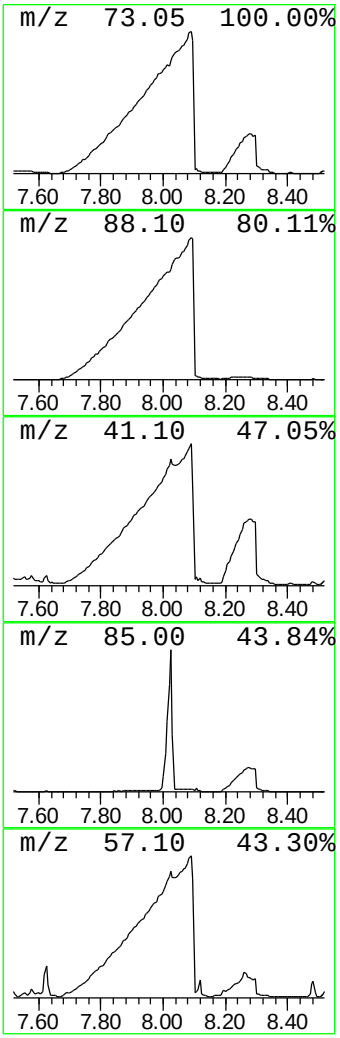
**********

Peak Number 2 Hexanoic acid, 2-ethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.02 | 482.54 ng | 64311100 | Naphthalene-d8 | 8.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexanoic acid, 2-ethyl- | 144 | C8H16O2 | 000149-57-5 | 58 |
| 2 | Pentanoic acid, ethyl ester | 130 | C7H14O2 | 000539-82-2 | 53 |
| 3 | Heptanoic acid, 2-ethyl- | 158 | C9H18O2 | 003274-29-1 | 47 |
| 4 | Butanoic acid, 2-ethyl-, 1,2,3-p... | 386 | C21H38O6 | 056554-54-2 | 47 |
| 5 | Methyl L-(+)-.beta.-hydroxyisobu... | 118 | C5H10O3 | 080657-57-4 | 43 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

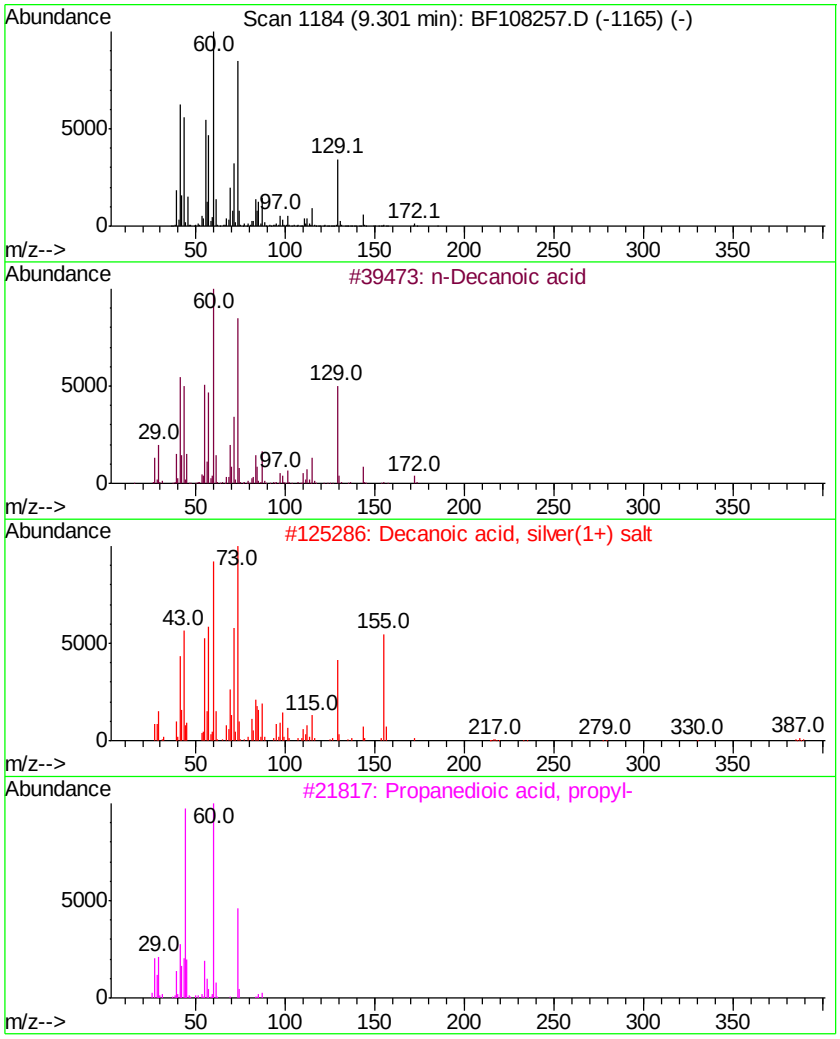
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

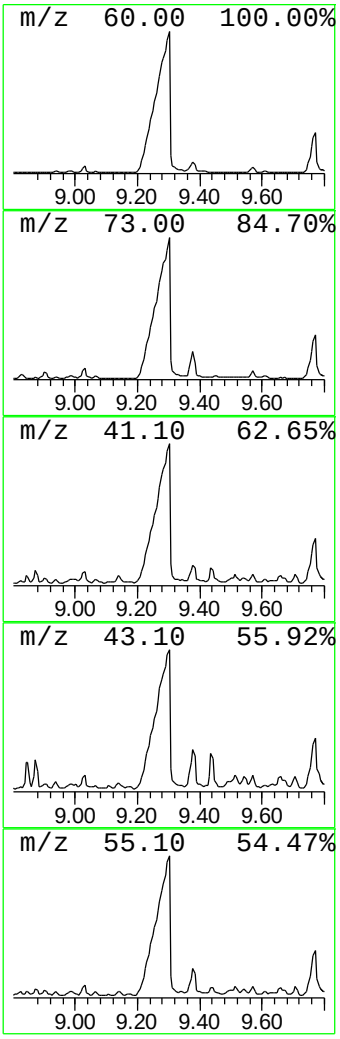
**********

Peak Number 3 n-Decanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.30 | 163.53 ng | 11274200 | Acenaphthene-d10 | 10.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 97 |
| 2 | Decanoic acid, silver(1+) salt | 278 | C10H19AgO2 | 013126-67-5 | 50 |
| 3 | Propanedioic acid, propyl- | 146 | C6H10O4 | 000616-62-6 | 50 |
| 4 | DL-Arabinose | 150 | C5H10O5 | 020235-19-2 | 47 |
| 5 | Hexanoic acid | 116 | C6H12O2 | 000142-62-1 | 46 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

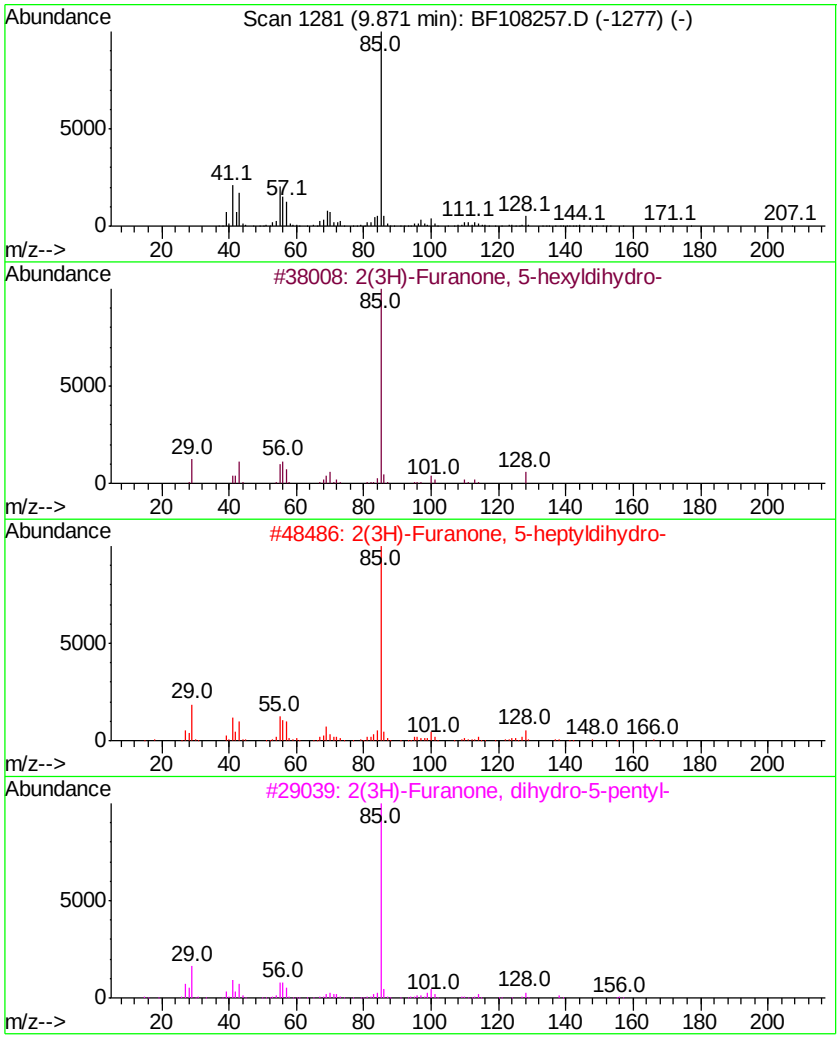
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

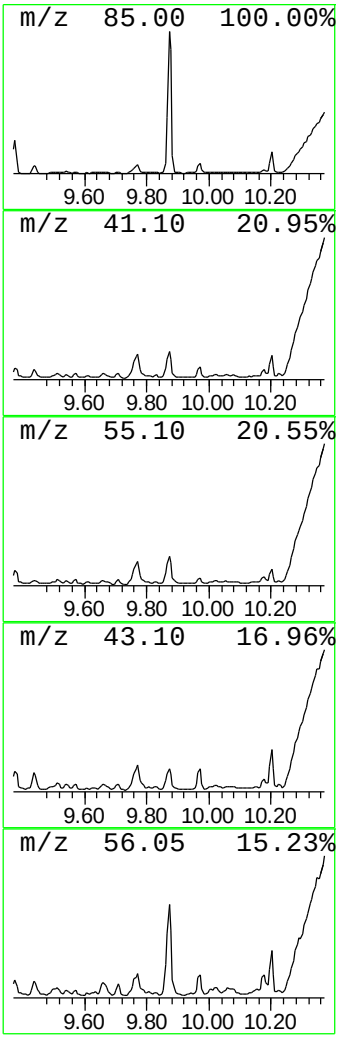
**********

Peak Number 4 2(3H)-Furanone, 5-hexyldihy... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.87 | 23.28 ng | 1604950 | Acenaphthene-d10 | 10.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2(3H)-Furanone, 5-hexyldihydro- | 170 | C10H18O2 | 000706-14-9 | 83 |
| 2 | 2(3H)-Furanone, 5-heptyldihydro- | 184 | C11H20O2 | 000104-67-6 | 83 |
| 3 | 2(3H)-Furanone, dihydro-5-pentyl- | 156 | C9H16O2 | 000104-61-0 | 78 |
| 4 | 2(3H)-Furanone, dihydro-5-propyl- | 128 | C7H12O2 | 000105-21-5 | 72 |
| 5 | 2(3H)-Furanone, 5-acetyldihydro- | 128 | C6H8O3 | 029393-32-6 | 64 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

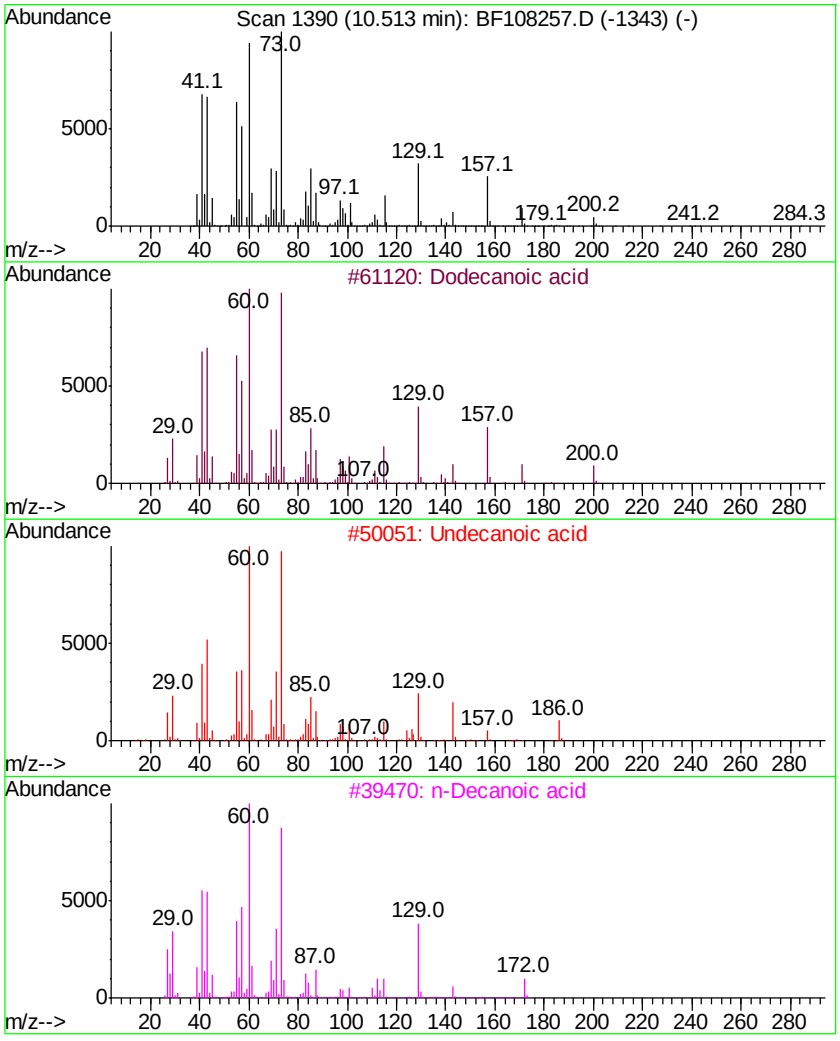
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

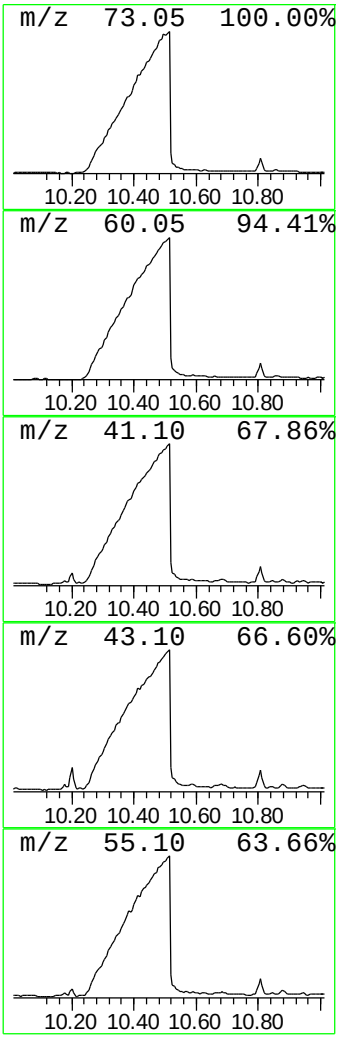
**********

Peak Number 5 Dodecanoic acid Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.51 | 1731.92 ng | 119403000 | Acenaphthene-d10 | 10.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 98 |
| 2 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 64 |
| 3 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 53 |
| 4 | Nonanoic acid | 158 | C9H18O2 | 000112-05-0 | 49 |
| 5 | Octanoic acid | 144 | C8H16O2 | 000124-07-2 | 46 |



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Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

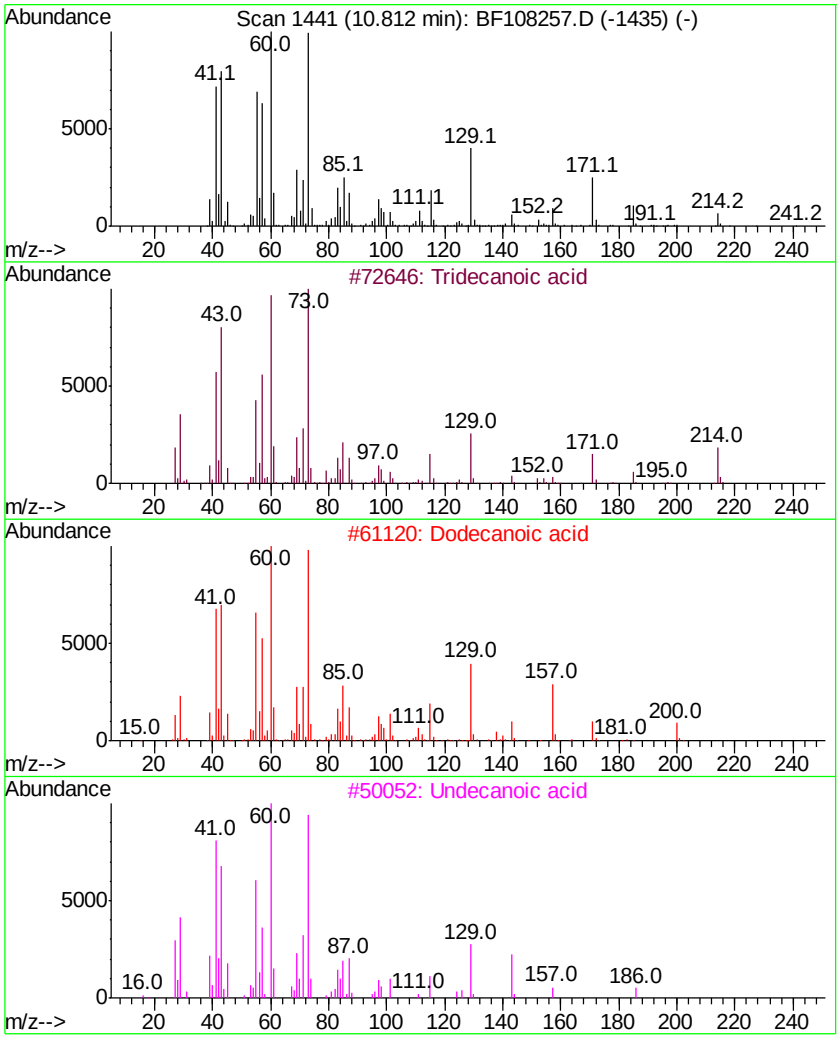
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

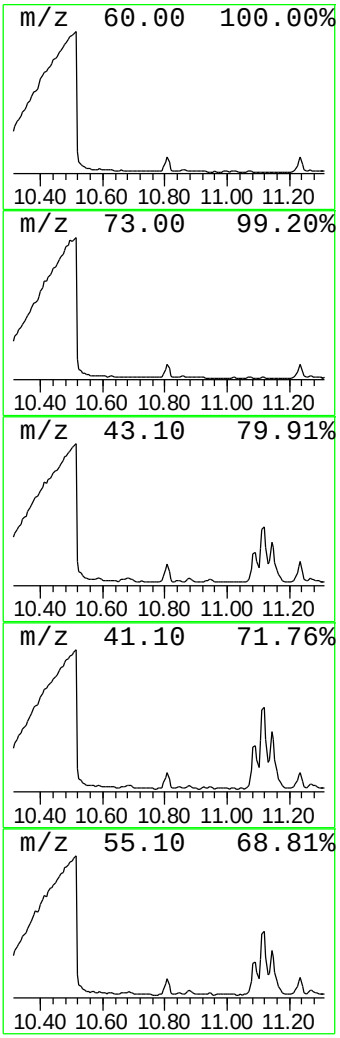
**********

Peak Number 6 Tridecanoic acid Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.81 | 22.54 ng | 1554140 | Acenaphthene-d10 | 10.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 91 |
| 2 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 80 |
| 3 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 64 |
| 4 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 62 |
| 5 | Octanoic acid, silver(1+) salt | 250 | C8H15AgO2 | 024927-67-1 | 50 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

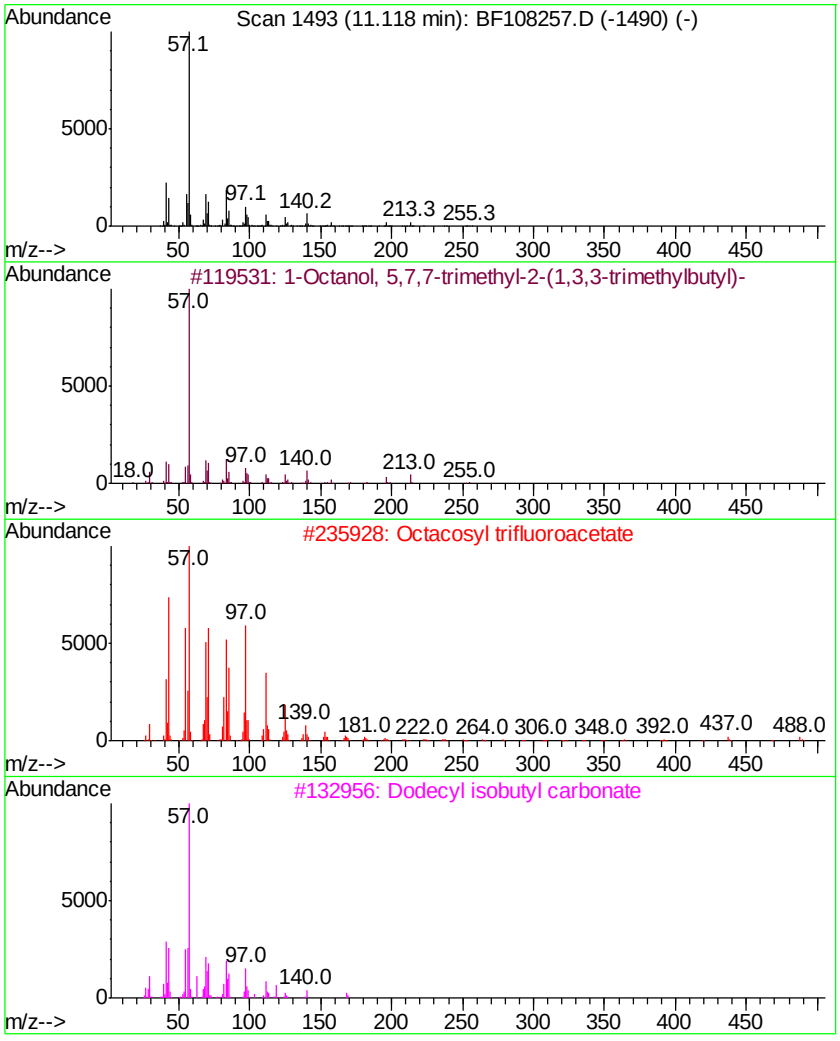
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

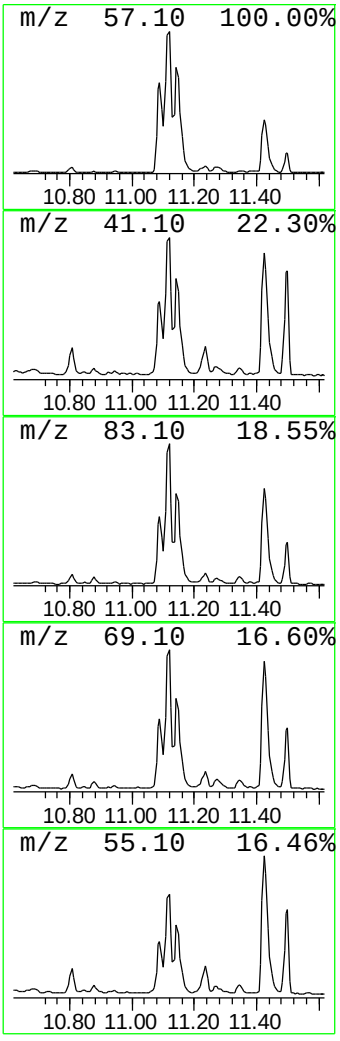
**********

Peak Number 7 1-Octanol, 5,7,7-trimethyl-... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.12 | 31.07 ng | 10847600 | Phenanthrene-d10 | 11.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Octanol, 5,7,7-trimethyl-2-(1,... | 270 | C18H38O | 036400-98-3 | 72 |
| 2 | Octacosyl trifluoroacetate | 506 | C30H57F3O2 | 1000351-74-9 | 50 |
| 3 | Dodecyl isobutyl carbonate | 286 | C17H34O3 | 959067-22-2 | 50 |
| 4 | Tricosyl heptafluorobutyrate | 536 | C27H47F7O2 | 1000351-83-4 | 50 |
| 5 | Tetracosyl heptafluorobutyrate | 550 | C28H49F7O2 | 1000351-83-7 | 50 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

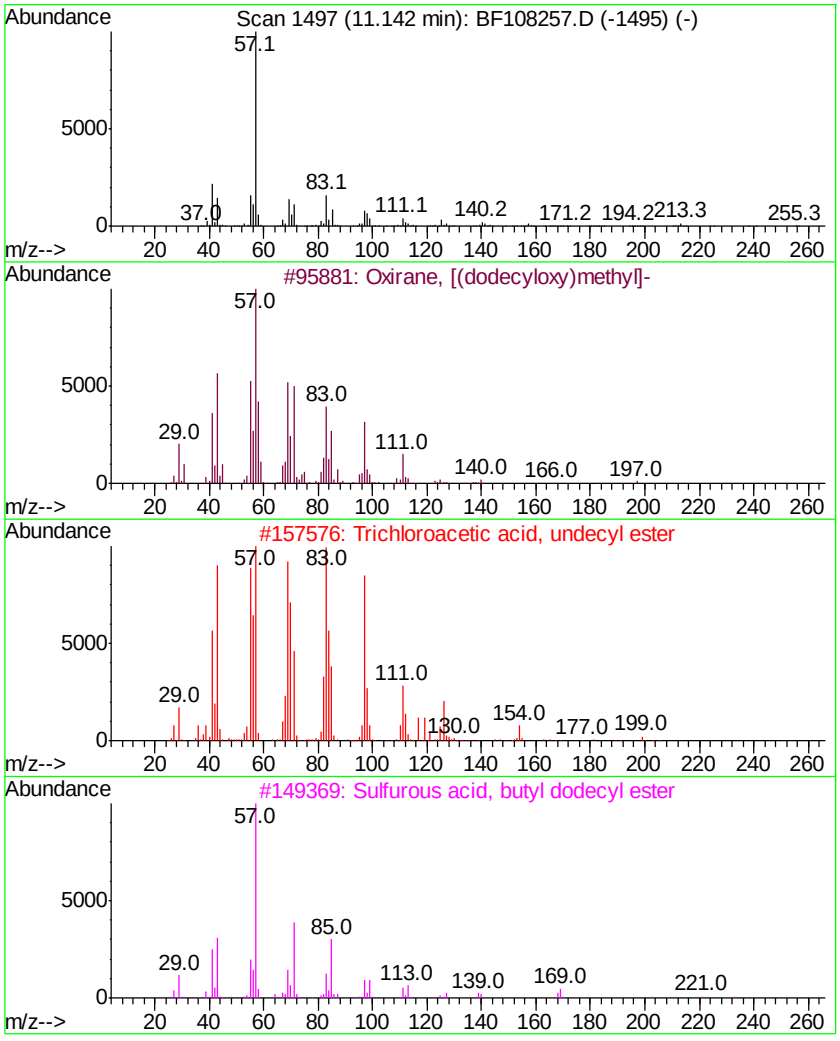
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

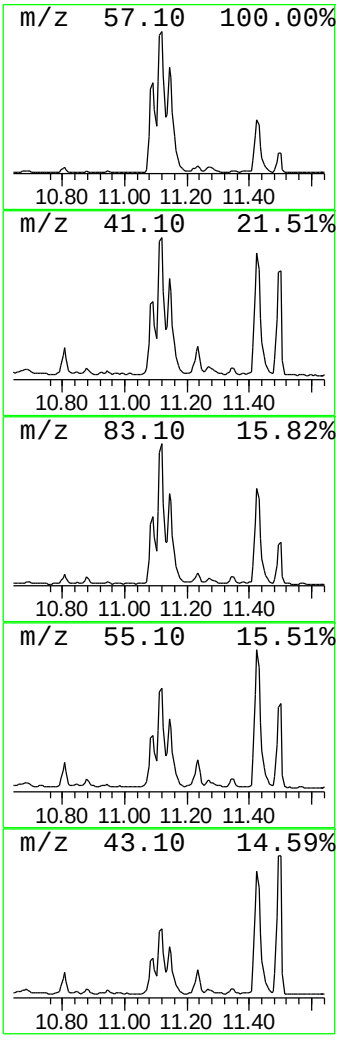
**********

Peak Number 8 Oxirane, [(dodecyloxy)methyl]- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.14 | 22.35 ng | 7803220 | Phenanthrene-d10 | 11.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxirane, [(dodecyloxy)methyl]- | 242 | C15H30O2 | 002461-18-9 | 59 |
| 2 | Trichloroacetic acid, undecyl ester | 316 | C13H23Cl3O2 | 074339-49-4 | 52 |
| 3 | Sulfurous acid, butyl dodecyl ester | 306 | C16H34O3S | 1000309-17-9 | 50 |
| 4 | Sulfurous acid, 2-ethylhexyl oct... | 446 | C26H54O3S | 1000309-20-1 | 50 |
| 5 | Acetic acid, 3,7,11,15-tetrameth... | 340 | C22H44O2 | 1000193-63-0 | 50 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

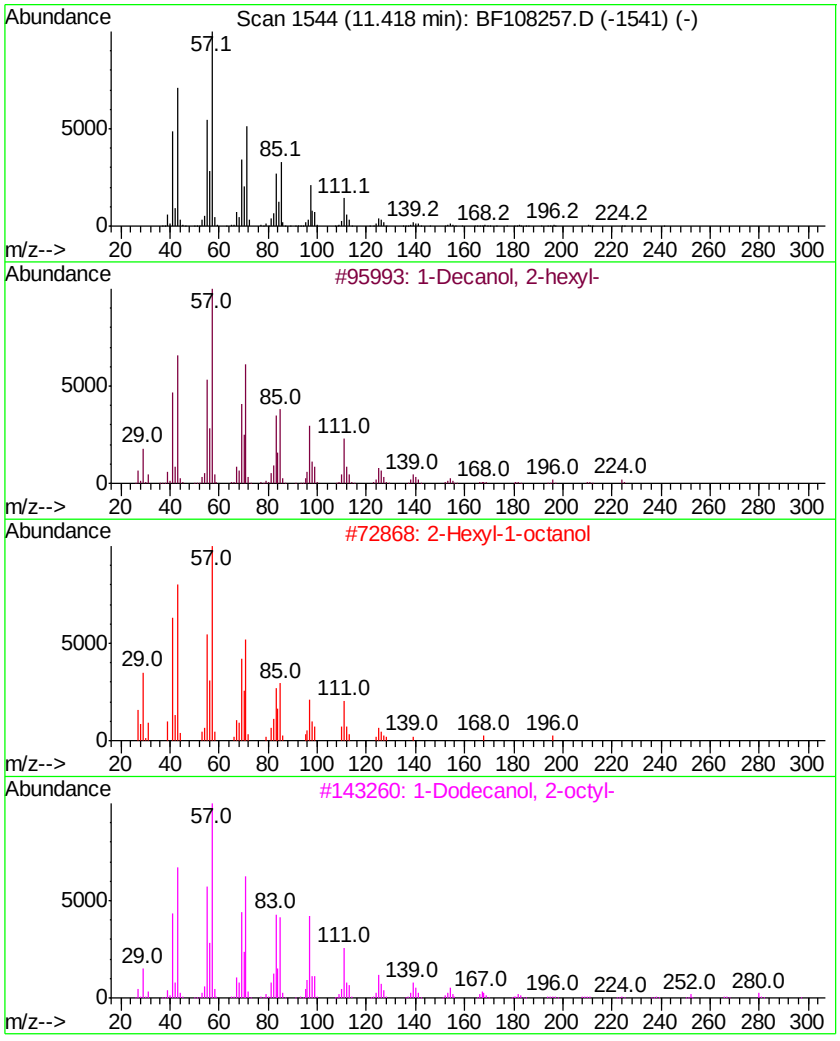
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

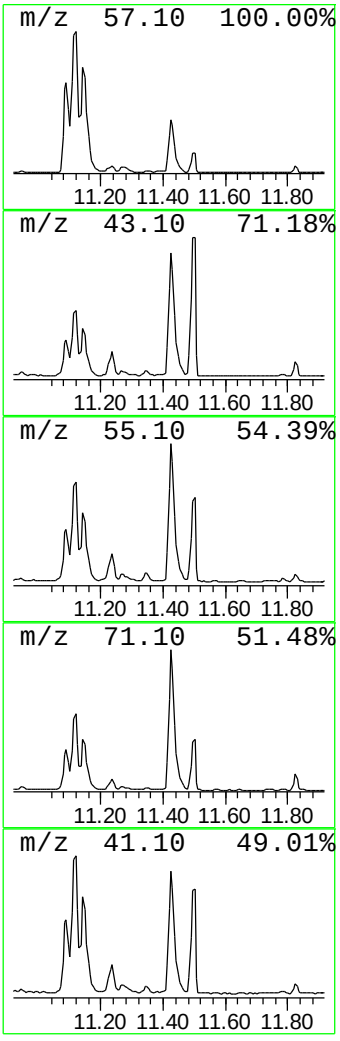
**********

Peak Number 9 1-Decanol, 2-hexyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.42 | 28.10 ng | 9811930 | Phenanthrene-d10 | 11.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Decanol, 2-hexyl- | 242 | C16H34O | 002425-77-6 | 91 |
| 2 | 2-Hexyl-1-octanol | 214 | C14H30O | 019780-79-1 | 91 |
| 3 | 1-Dodecanol, 2-octyl- | 298 | C20H42O | 005333-42-6 | 91 |
| 4 | 1-Dodecanol, 2-hexyl- | 270 | C18H38O | 110225-00-8 | 91 |
| 5 | 1-Octanol, 2-butyl- | 186 | C12H26O | 003913-02-8 | 64 |



# Library Search Compound Report

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Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

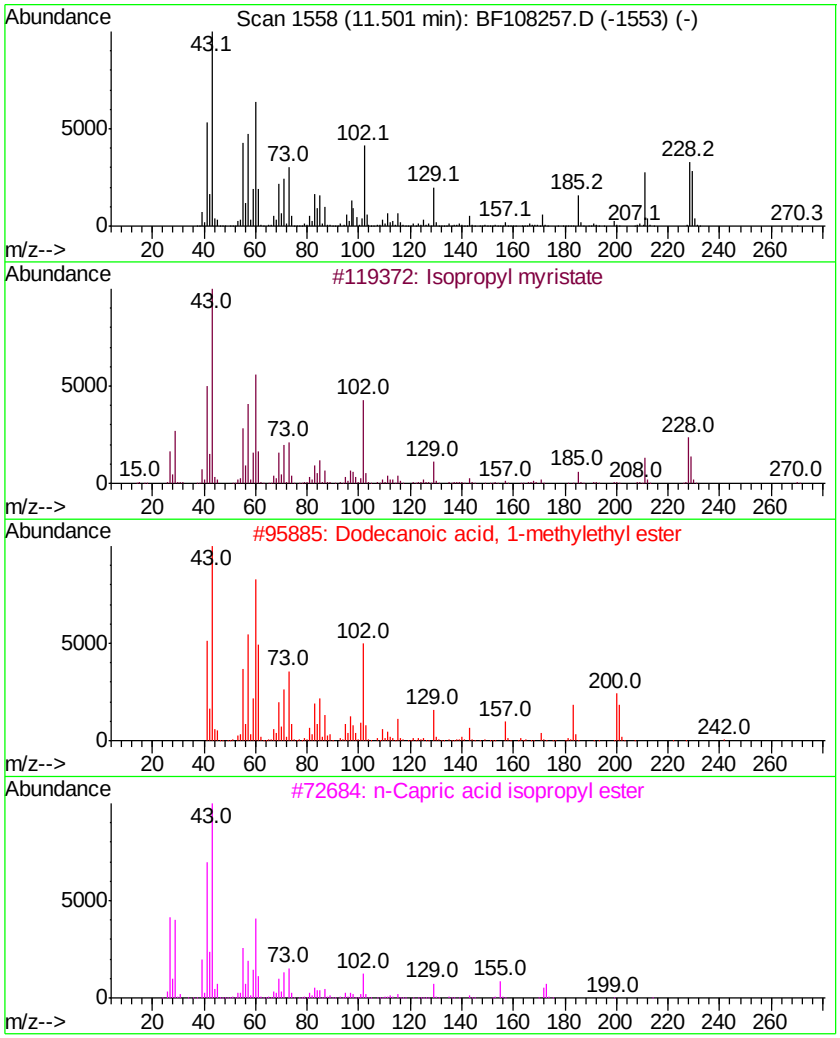
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

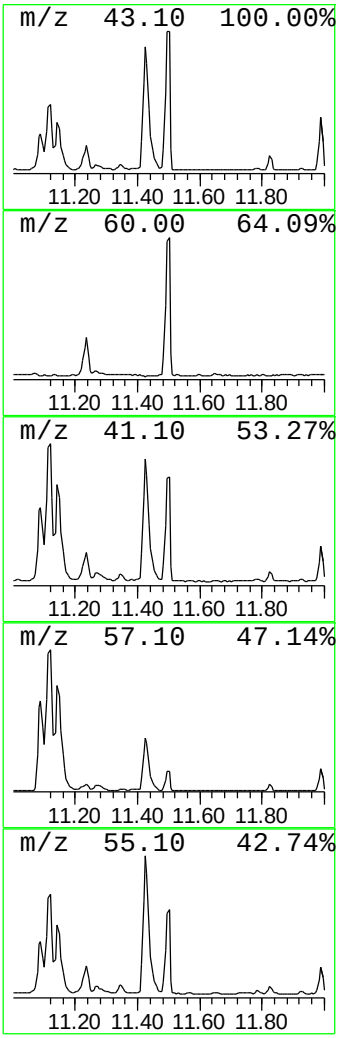
**********

Peak Number 10 Isopropyl myristate Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.50 | 20.00 ng | 6983530 | Phenanthrene-d10 | 11.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isopropyl myristate | 270 | C17H34O2 | 000110-27-0 | 83 |
| 2 | Dodecanoic acid, 1-methylethyl e... | 242 | C15H30O2 | 010233-13-3 | 43 |
| 3 | n-Capric acid isopropyl ester | 214 | C13H26O2 | 002311-59-3 | 43 |
| 4 | Heptanoic acid, 2,2-dimethyl-6-o... | 186 | C10H18O3 | 000926-27-2 | 25 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 22 |



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Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

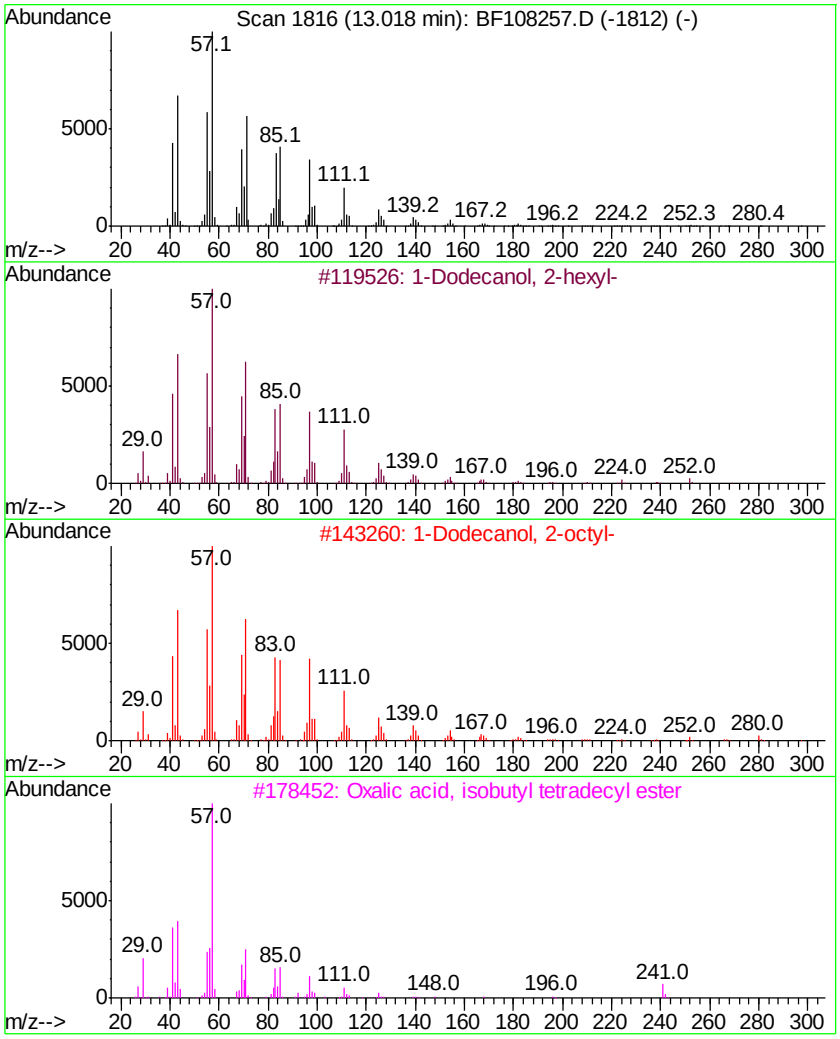
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

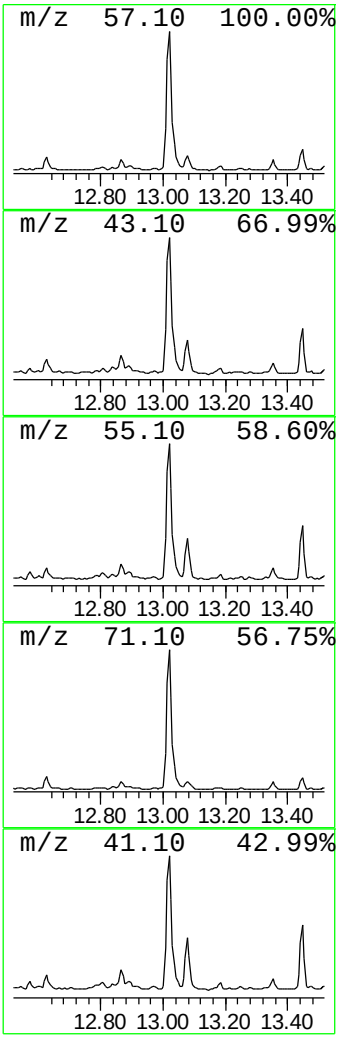
**********

Peak Number 11 1-Dodecanol, 2-hexyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.02 | 60.57 ng | 8952730 | Chrysene-d12 | 14.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Dodecanol, 2-hexyl- | 270 | C18H38O | 110225-00-8 | 91 |
| 2 | 1-Dodecanol, 2-octyl- | 298 | C20H42O | 005333-42-6 | 91 |
| 3 | Oxalic acid, isobutyl tetradecyl... | 342 | C20H38O4 | 1000309-37-9 | 91 |
| 4 | 1-Decanol, 2-hexyl- | 242 | C16H34O | 002425-77-6 | 91 |
| 5 | Oxalic acid, isobutyl hexadecyl ... | 370 | C22H42O4 | 1000309-38-1 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

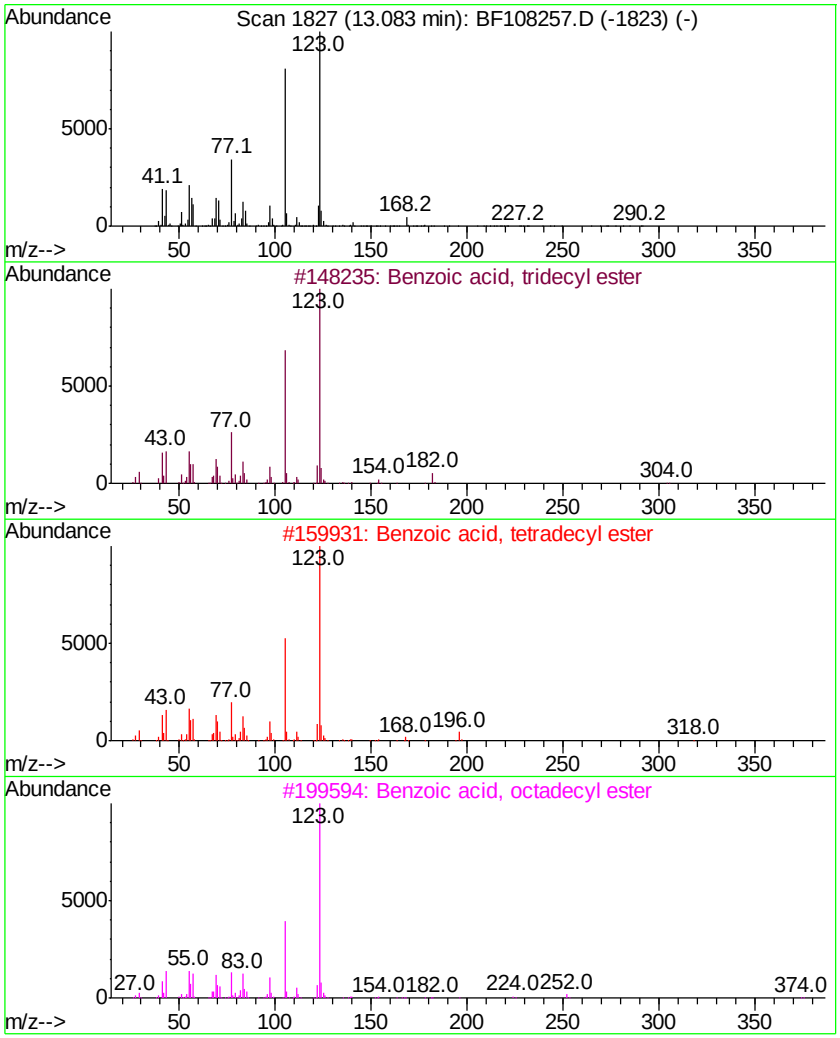
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

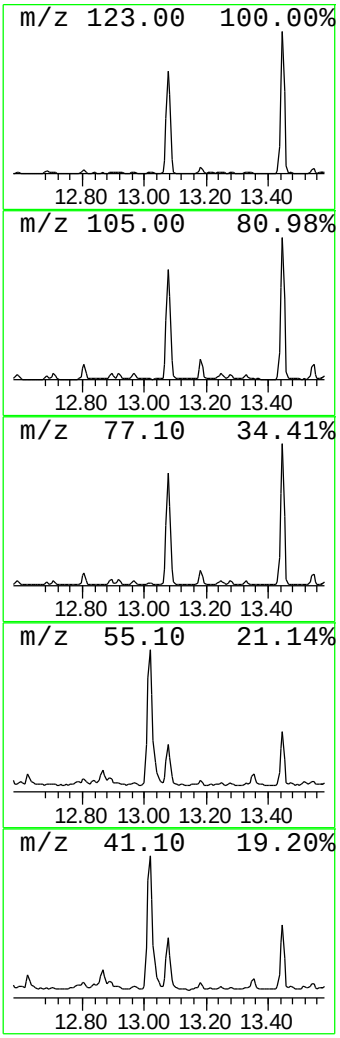
**********

Peak Number 12 Benzoic acid, tridecyl ester Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.08 | 23.73 ng | 3507250 | Chrysene-d12 | 14.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzoic acid, tridecyl ester | 304 | C20H32O2 | 1000340-22-6 | 91 |
| 2 | Benzoic acid, tetradecyl ester | 318 | C21H34O2 | 1000340-22-7 | 87 |
| 3 | Benzoic acid, octadecyl ester | 374 | C25H42O2 | 1000340-23-1 | 86 |
| 4 | Benzoic acid, heptyl ester | 220 | C14H20O2 | 007155-12-6 | 80 |
| 5 | Benzoic acid, hexadecyl ester | 346 | C23H38O2 | 1000340-22-9 | 80 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

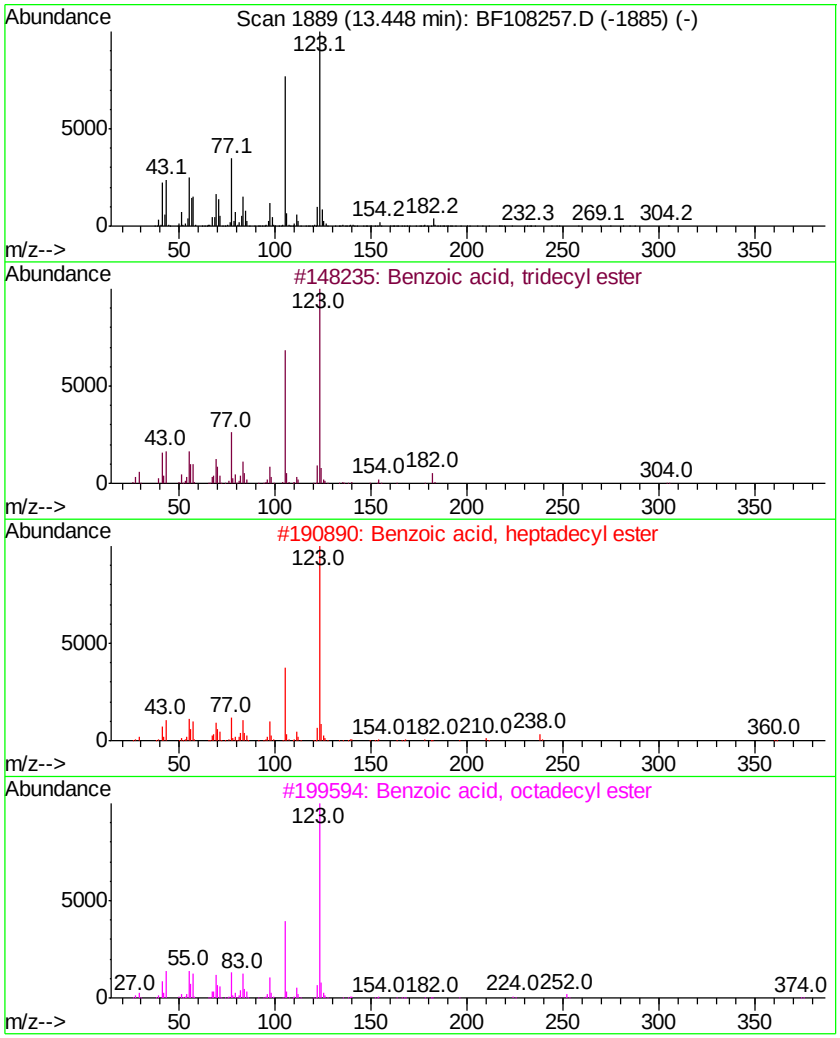
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

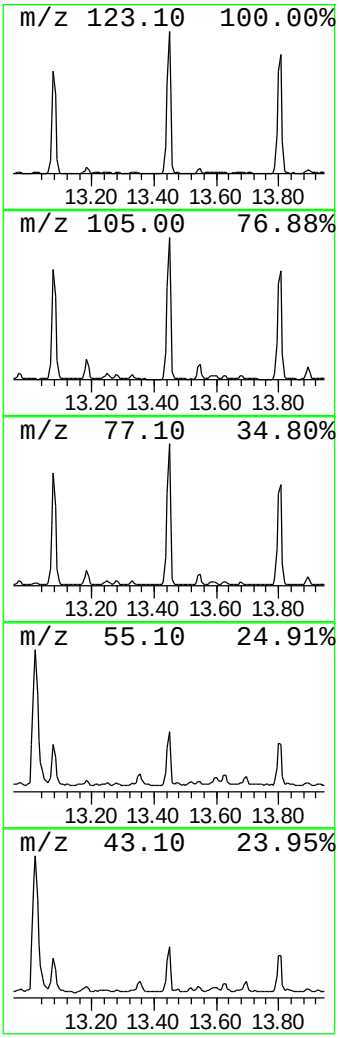
**********

Peak Number 13 Benzoic acid, heptadecyl ester Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.45 | 28.21 ng | 4169400 | Chrysene-d12 | 14.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzoic acid, tridecyl ester | 304 | C20H32O2 | 1000340-22-6 | 91 |
| 2 | Benzoic acid, heptadecyl ester | 360 | C24H40O2 | 1000340-23-0 | 86 |
| 3 | Benzoic acid, octadecyl ester | 374 | C25H42O2 | 1000340-23-1 | 83 |
| 4 | Benzoic acid, nonadecyl ester | 388 | C26H44O2 | 1000340-23-2 | 80 |
| 5 | Benzoic acid, eicosyl ester | 402 | C27H46O2 | 1000340-23-3 | 80 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

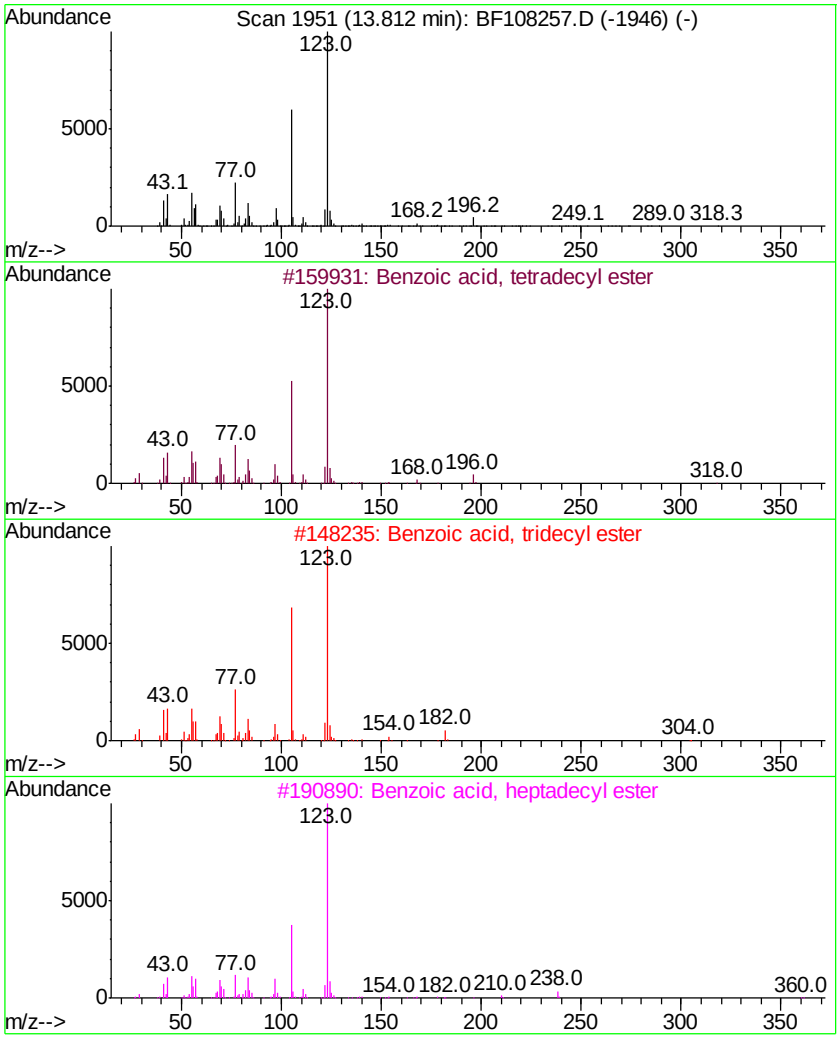
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

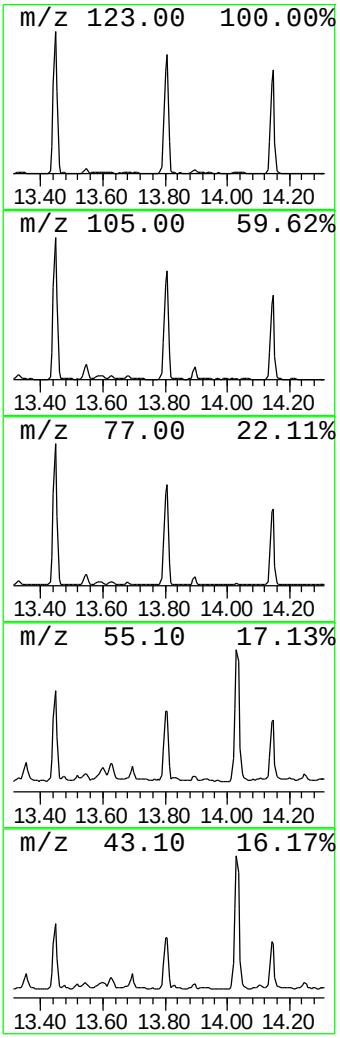
**********

Peak Number 14 Benzoic acid, tetradecyl ester Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.81 | 23.11 ng | 3415210 | Chrysene-d12 | 14.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzoic acid, tetradecyl ester | 318 | C21H34O2 | 1000340-22-7 | 95 |
| 2 | Benzoic acid, tridecyl ester | 304 | C20H32O2 | 1000340-22-6 | 91 |
| 3 | Benzoic acid, heptadecyl ester | 360 | C24H40O2 | 1000340-23-0 | 90 |
| 4 | Benzoic acid, octadecyl ester | 374 | C25H42O2 | 1000340-23-1 | 87 |
| 5 | Benzoic acid, nonadecyl ester | 388 | C26H44O2 | 1000340-23-2 | 86 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

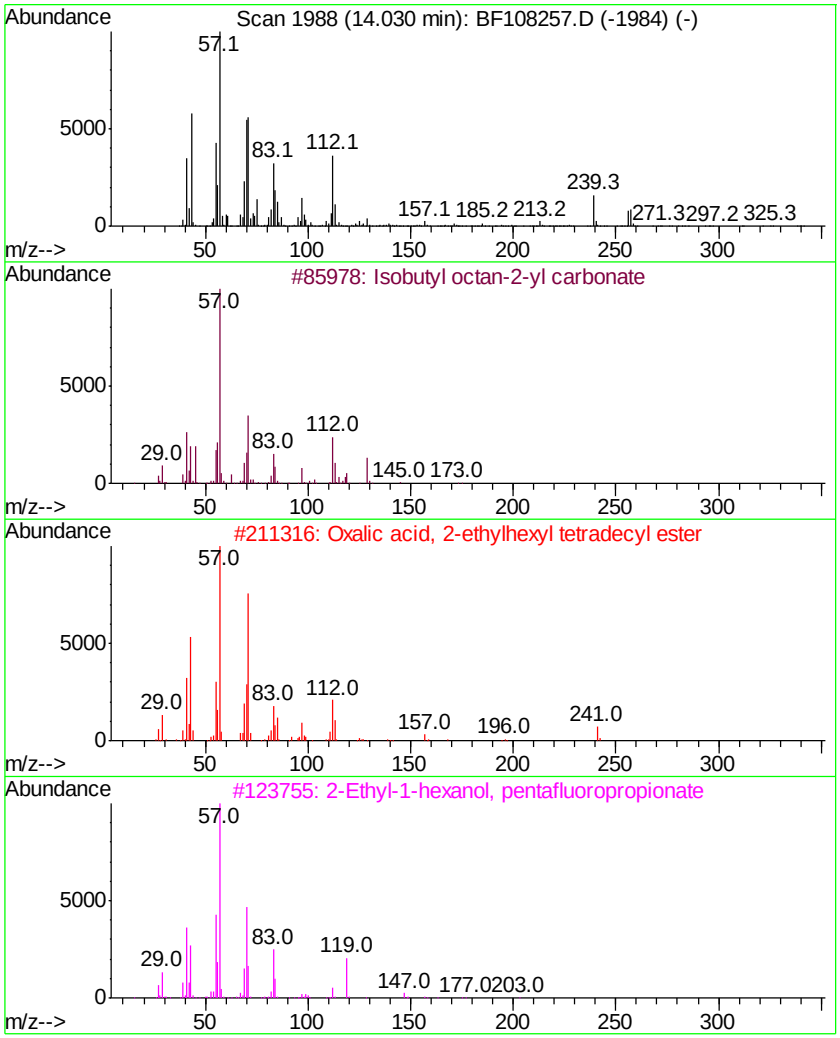
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

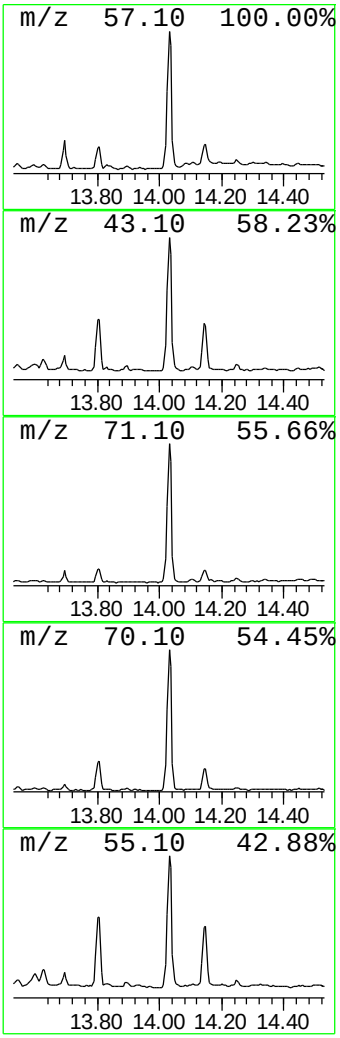
**********

Peak Number 15 Isobutyl octan-2-yl carbonate Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.03 | 41.50 ng | 6133740 | Chrysene-d12 | 14.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isobutyl octan-2-yl carbonate | 230 | C13H26O3 | 1000372-74-7 | 72 |
| 2 | Oxalic acid, 2-ethylhexyl tetrad... | 398 | C24H46O4 | 1000309-39-7 | 53 |
| 3 | 2-Ethyl-1-hexanol, pentafluoropr... | 276 | C11H17F5O2 | 1000365-51-1 | 43 |
| 4 | 1-Undecene, 9-methyl- | 168 | C12H24 | 074630-41-4 | 38 |
| 5 | 2-Ethyl-1-hexanol, trifluoroacetate | 226 | C10H17F3O2 | 1000365-19-6 | 38 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

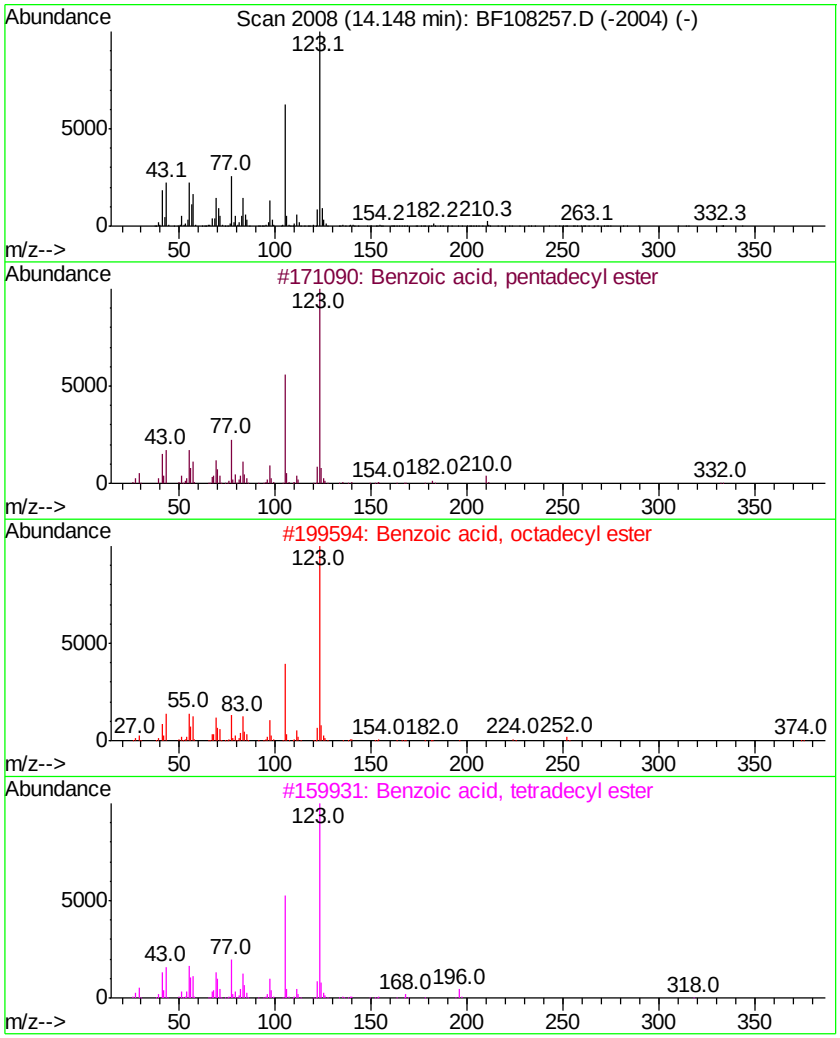
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

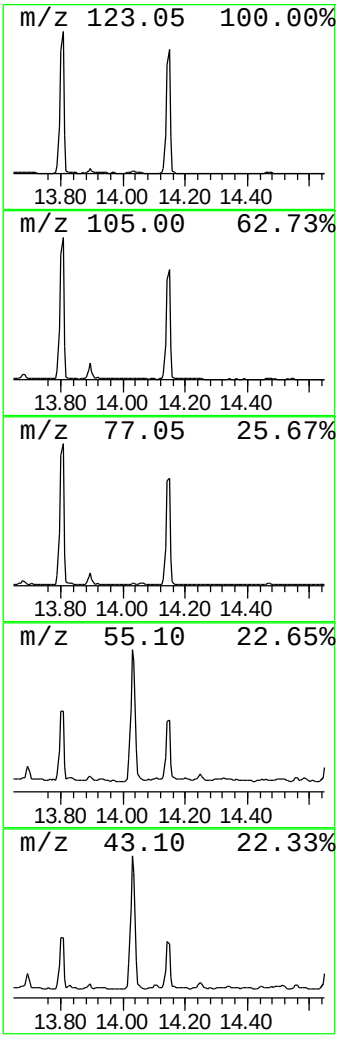
**********

Peak Number 16 Benzoic acid, pentadecyl ester Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.15 | 20.00 ng | 2955980 | Chrysene-d12 | 14.21 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzoic acid, pentadecyl ester | 332 | C22H36O2 | 1000340-22-8 | 92 |
| 2 | Benzoic acid, octadecyl ester | 374 | C25H42O2 | 1000340-23-1 | 91 |
| 3 | Benzoic acid, tetradecyl ester | 318 | C21H34O2 | 1000340-22-7 | 91 |
| 4 | Benzoic acid, eicosyl ester | 402 | C27H46O2 | 1000340-23-3 | 91 |
| 5 | Benzoic acid, tridecyl ester | 304 | C20H32O2 | 1000340-22-6 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

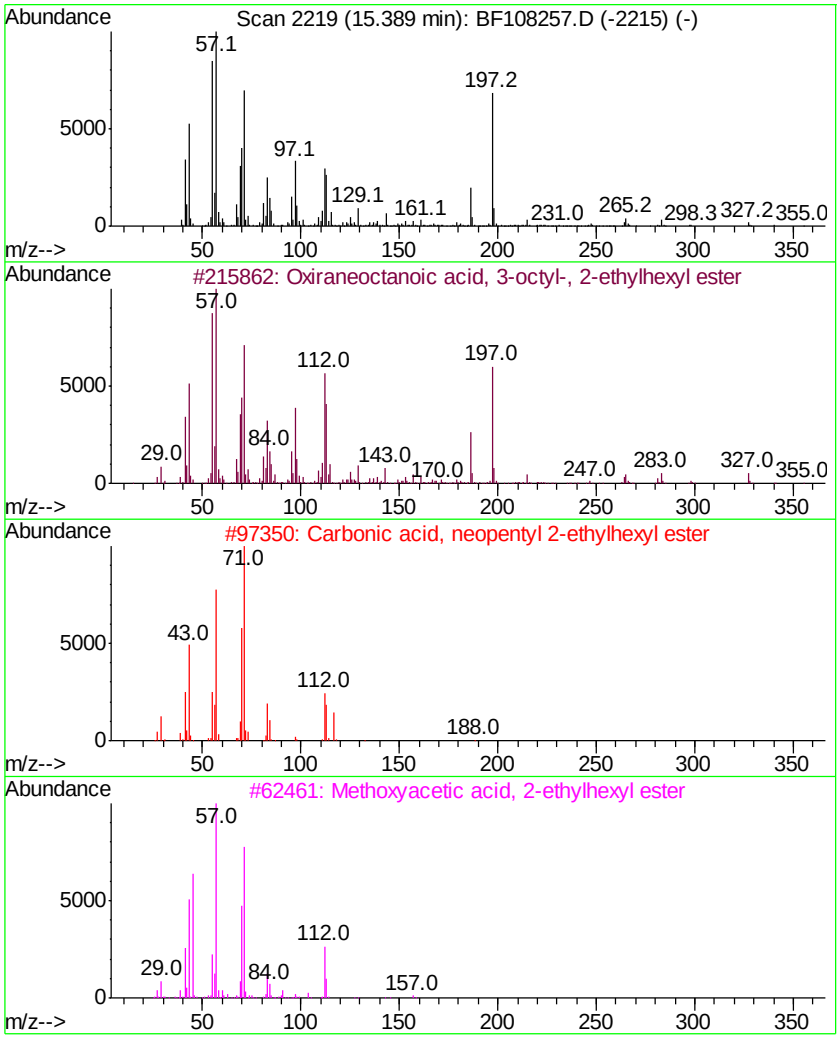
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

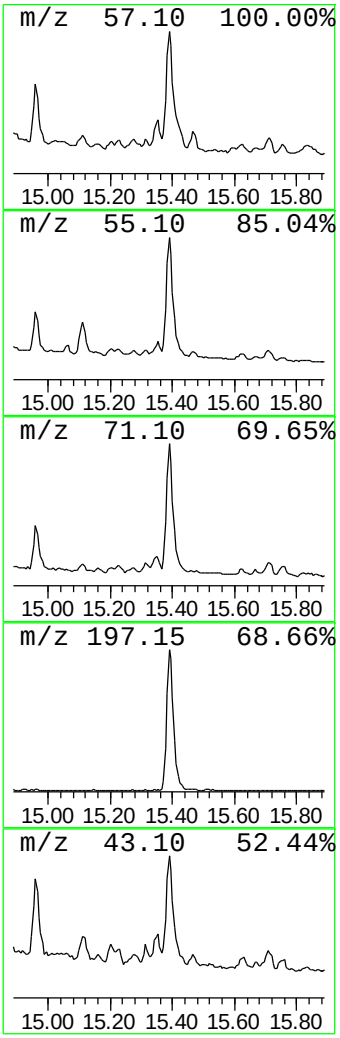
**********

Peak Number 17 Oxiraneoctanoic acid, 3-oct... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.39 | 20.00 ng | 1594790 | Perylene-d12 | 15.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxiraneoctanoic acid, 3-octyl-, ... | 410 | C26H50O3 | 000141-38-8 | 74 |
| 2 | Carbonic acid, neopentyl 2-ethyl... | 244 | C14H28O3 | 1000357-85-7 | 35 |
| 3 | Methoxyacetic acid, 2-ethylhexyl... | 202 | C11H22O3 | 1000282-41-4 | 35 |
| 4 | 2,4,4-Trimethyl-1-hexene | 126 | C9H18 | 051174-12-0 | 25 |
| 5 | Decane, 5,6-dipropyl- | 226 | C16H34 | 119209-20-0 | 22 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

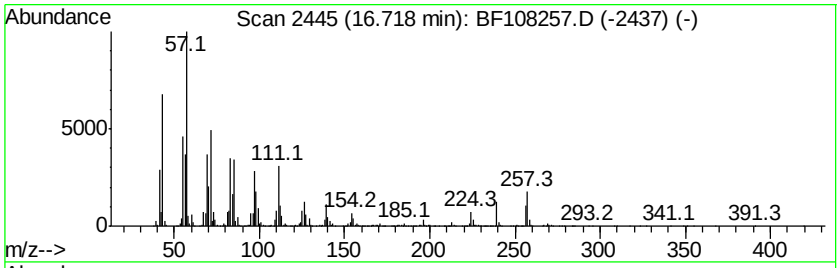
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

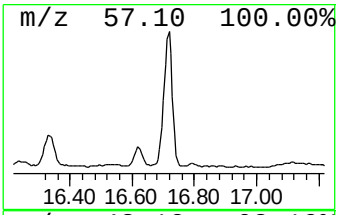
**********

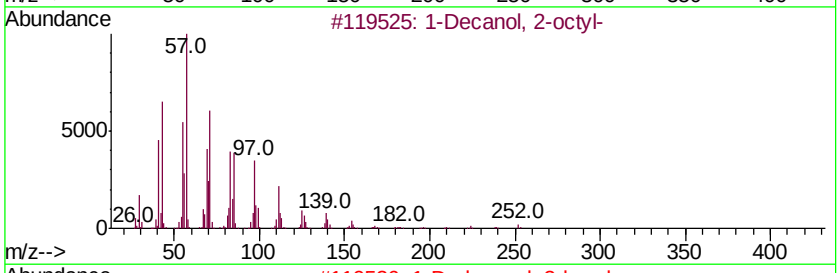
Peak Number 18 1-Decanol, 2-octyl- Concentration Rank 7

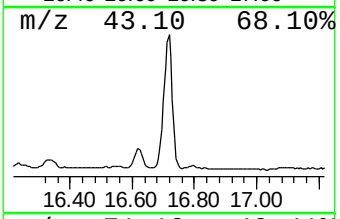
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.72 | 55.52 ng | 4427310 | Perylene-d12 | 15.77 |

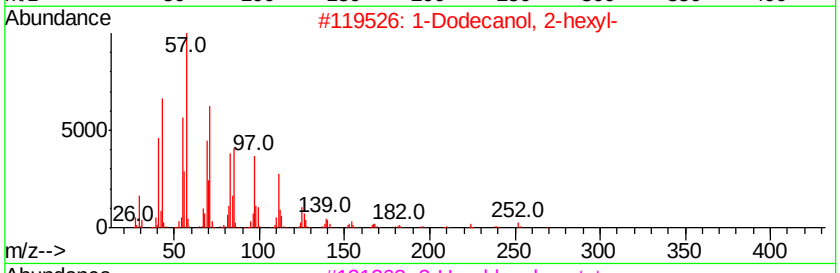
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Decanol, 2-octyl- | 270 | C18H38O | 045235-48-1 | 62 |
| 2 | 1-Dodecanol, 2-hexyl- | 270 | C18H38O | 110225-00-8 | 62 |
| 3 | 2-Hexyldecyl acetate | 284 | C18H36O2 | 082409-75-4 | 60 |
| 4 | 2-Hexyldecyl propionate | 298 | C19H38O2 | 1072781-99-7 | 60 |
| 5 | 1-Decanol, 2-hexyl- | 242 | C16H34O | 002425-77-6 | 58 |

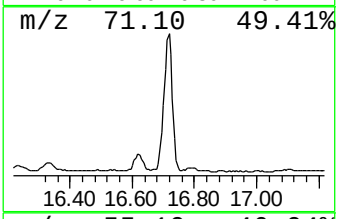


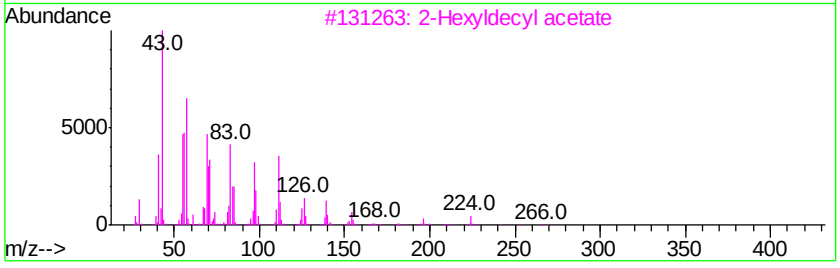



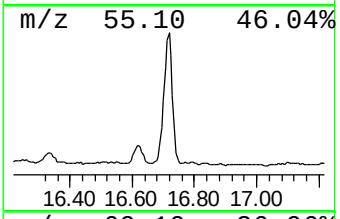



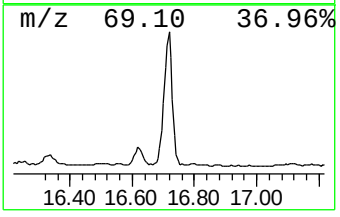



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

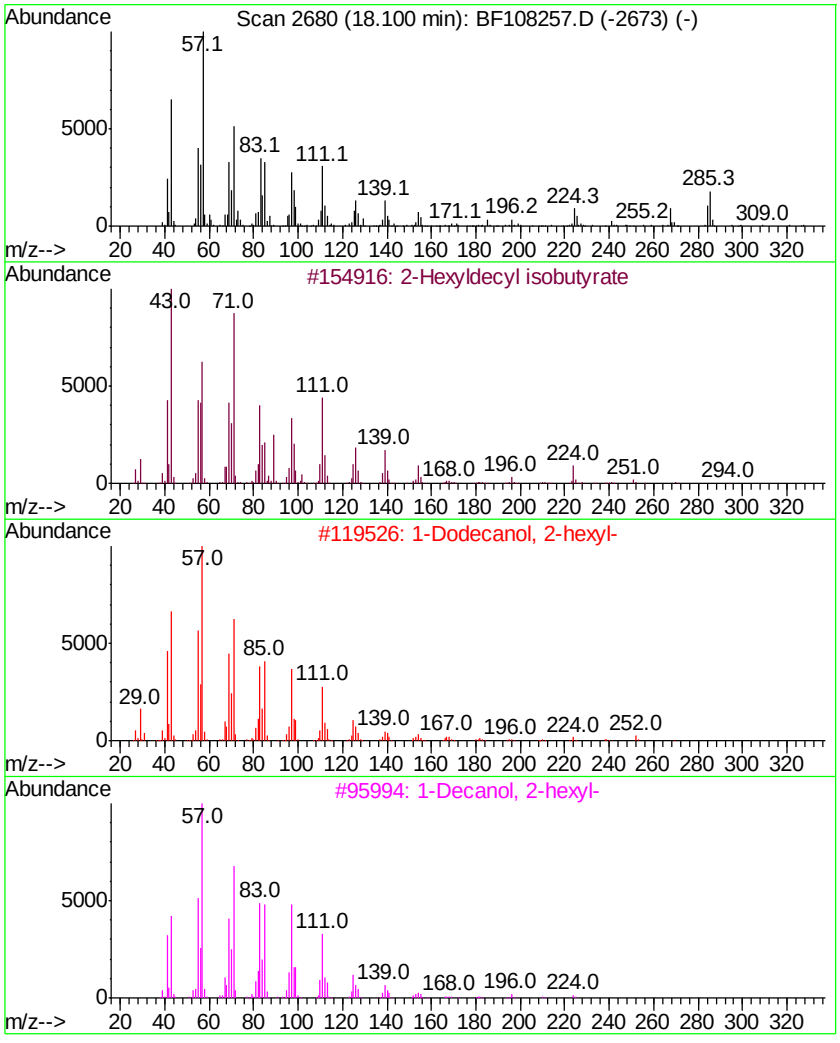
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

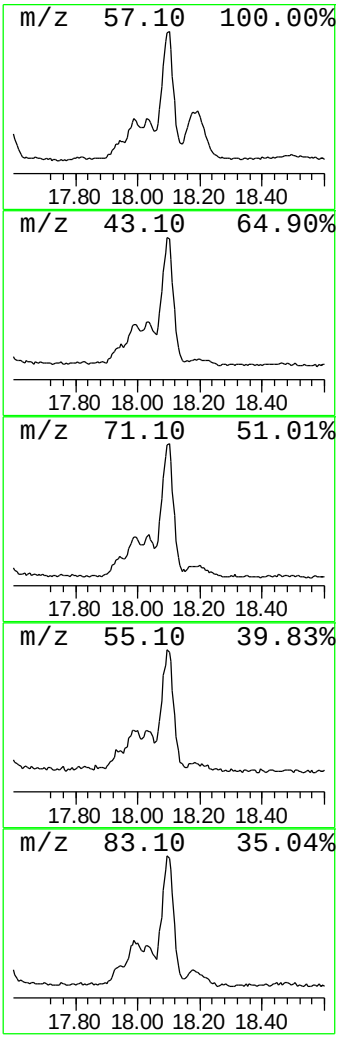
**********

Peak Number 19 2-Hexyldecyl isobutyrate Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.10 | 27.39 ng | 2184000 | Perylene-d12 | 15.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Hexyldecyl isobutyrate | 312 | C20H40O2 | 1000368-55-3 | 76 |
| 2 | 1-Dodecanol, 2-hexyl- | 270 | C18H38O | 110225-00-8 | 70 |
| 3 | 1-Decanol, 2-hexyl- | 242 | C16H34O | 002425-77-6 | 64 |
| 4 | 2-Hexyldecyl acetate | 284 | C18H36O2 | 082409-75-4 | 55 |
| 5 | 1-Decanol, 2-octyl- | 270 | C18H38O | 045235-48-1 | 53 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

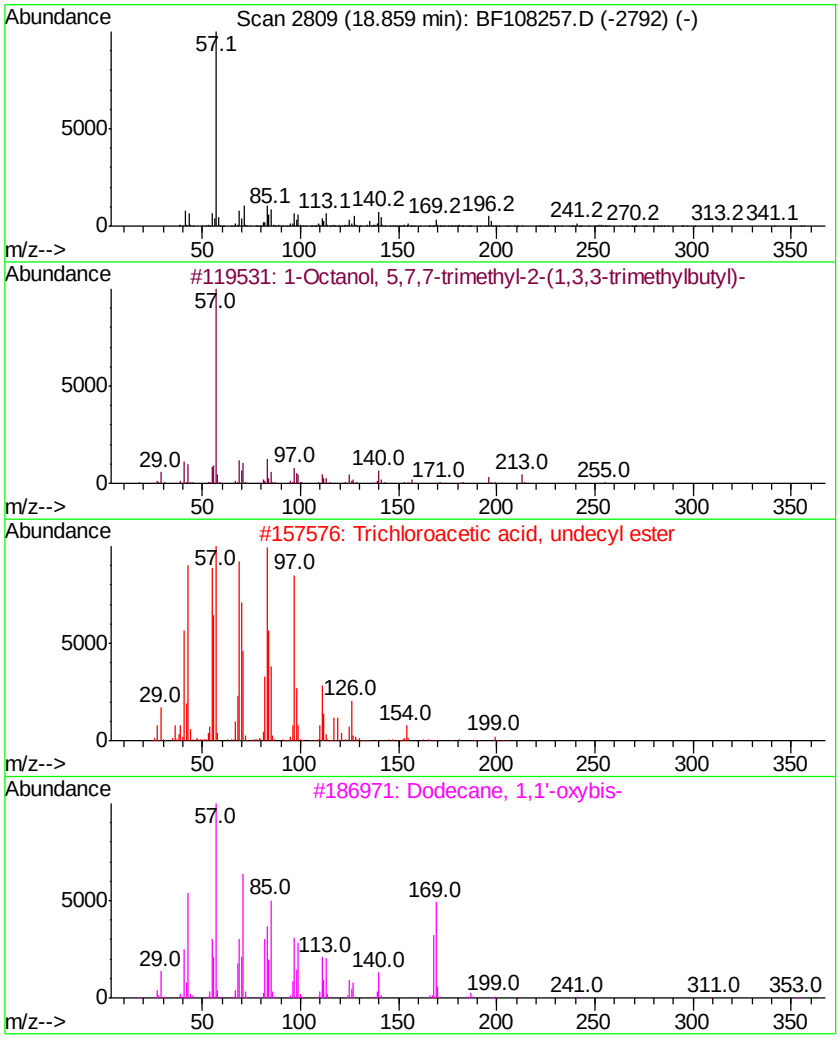
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

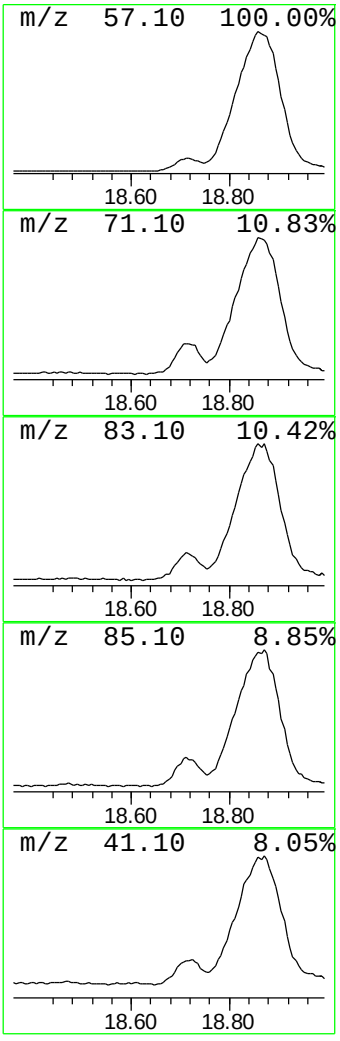
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 1-Octanol, 5,7,7-trimethyl-... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.86 | 152.43 ng | 12154300 | Perylene-d12 | 15.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Octanol, 5,7,7-trimethyl-2-(1,... | 270 | C18H38O | 036400-98-3 | 87 |
| 2 | Trichloroacetic acid, undecyl ester | 316 | C13H23Cl3O2 | 074339-49-4 | 46 |
| 3 | Dodecane, 1,1'-oxybis- | 354 | C24H50O | 004542-57-8 | 46 |
| 4 | Dichloroacetic acid, heptadecyl ... | 366 | C19H36Cl2O2 | 1000282-98-2 | 45 |
| 5 | 4-Propionyloxytetradecane | 270 | C17H34O2 | 1000245-62-9 | 43 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081718\
Data File : BF108257.D
Acq On : 17 Aug 2018 21:42
Operator : JU/SJ
Sample : J4506-02
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** EFF-WASTE-WATER

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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 |
| 1-Hexanol, 2-ethyl- | 7.18 | 225.3 | ng | 82799200 | 1 | 7.02 | 7350910 | 20.0 |
| Hexanoic acid, 2-... | 8.02 | 482.5 | ng | 64311100 | 2 | 8.31 | 2665540 | 20.0 |
| n-Decanoic acid | 9.30 | 163.5 | ng | 11274200 | 3 | 10.07 | 1378860 | 20.0 |
| 2(3H)-Furanone, 5... | 9.87 | 23.3 | ng | 1604950 | 3 | 10.07 | 1378860 | 20.0 |
| Dodecanoic acid | 10.51 | 1731.9 | ng | 119403000 | 3 | 10.07 | 1378860 | 20.0 |
| Tridecanoic acid | 10.81 | 22.5 | ng | 1554140 | 3 | 10.07 | 1378860 | 20.0 |
| 1-Octanol, 5,7,7-... | 11.12 | 31.1 | ng | 10847600 | 4 | 11.57 | 6983530 | 20.0 |
| Oxirane, [(dodecy... | 11.14 | 22.4 | ng | 7803220 | 4 | 11.57 | 6983530 | 20.0 |
| 1-Decanol, 2-hexyl- | 11.42 | 28.1 | ng | 9811930 | 4 | 11.57 | 6983530 | 20.0 |
| Isopropyl myristate | 11.50 | 20.0 | ng | 6983530 | 4 | 11.57 | 6983530 | 20.0 |
| 1-Dodecanol, 2-he... | 13.02 | 60.6 | ng | 8952730 | 5 | 14.21 | 2955980 | 20.0 |
| Benzoic acid, tri... | 13.08 | 23.7 | ng | 3507250 | 5 | 14.21 | 2955980 | 20.0 |
| Benzoic acid, hep... | 13.45 | 28.2 | ng | 4169400 | 5 | 14.21 | 2955980 | 20.0 |
| Benzoic acid, tet... | 13.81 | 23.1 | ng | 3415210 | 5 | 14.21 | 2955980 | 20.0 |
| Isobutyl octan-2-... | 14.03 | 41.5 | ng | 6133740 | 5 | 14.21 | 2955980 | 20.0 |
| Benzoic acid, pen... | 14.15 | 20.0 | ng | 2955980 | 5 | 14.21 | 2955980 | 20.0 |
| Oxiraneoctanoic a... | 15.39 | 20.0 | ng | 1594790 | 6 | 15.77 | 1594790 | 20.0 |
| 1-Decanol, 2-octyl- | 16.72 | 55.5 | ng | 4427310 | 6 | 15.77 | 1594790 | 20.0 |
| 2-Hexyldecyl isob... | 18.10 | 27.4 | ng | 2184000 | 6 | 15.77 | 1594790 | 20.0 |
| 1-Octanol, 5,7,7-... | 18.86 | 152.4 | ng | 12154300 | 6 | 15.77 | 1594790 | 20.0 |