LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111650.D
Acq On : 20 Dec 2018 20:32
Operator : JU/SJ
Sample : J6353-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-SS006-0002-01

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-BF121918.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 | 5.122 | 511 | 516 | 523 | rVB | 185662 | 235411 | 2.10% | 0.383% |
| 2 | 5.522 | 576 | 584 | 587 | rBV | 4278249 | 4181303 | 37.36% | 6.811% |
| 3 | 5.740 | 616 | 621 | 629 | rBV3 | 136331 | 201771 | 1.80% | 0.329% |
| 4 | 6.522 | 747 | 754 | 759 | rBV2 | 4295521 | 4887757 | 43.68% | 7.961% |
| 5 | 6.669 | 772 | 779 | 782 | rBV | 4520829 | 4295849 | 38.39% | 6.997% |
| 6 | 6.728 | 785 | 789 | 794 | rVB3 | 110531 | 116677 | 1.04% | 0.190% |
| 7 | 6.898 | 814 | 818 | 821 | rBV | 1431228 | 1256177 | 11.22% | 2.046% |
| 8 | 7.051 | 840 | 844 | 848 | rVB | 3206597 | 2858243 | 25.54% | 4.656% |
| 9 | 7.292 | 879 | 885 | 890 | rVB | 150094 | 157995 | 1.41% | 0.257% |
| 10 | 7.451 | 906 | 912 | 915 | rBV | 2903523 | 2686196 | 24.00% | 4.375% |
| 11 | 8.175 | 1030 | 1035 | 1038 | rBV | 1869903 | 1656817 | 14.80% | 2.699% |
| 12 | 8.775 | 1133 | 1137 | 1142 | rBV2 | 169166 | 211224 | 1.89% | 0.344% |
| 13 | 9.251 | 1214 | 1218 | 1221 | rVB | 4675087 | 3845822 | 34.37% | 6.264% |
| 14 | 9.339 | 1228 | 1233 | 1237 | rBV2 | 185272 | 210879 | 1.88% | 0.343% |
| 15 | 9.639 | 1281 | 1284 | 1287 | rBV | 691479 | 560492 | 5.01% | 0.913% |
| 16 | 9.869 | 1320 | 1323 | 1327 | rVB | 205734 | 181386 | 1.62% | 0.295% |
| 17 | 9.933 | 1327 | 1334 | 1337 | rBV | 1791010 | 1750668 | 15.64% | 2.852% |
| 18 | 10.339 | 1400 | 1403 | 1405 | rBV | 143395 | 129730 | 1.16% | 0.211% |
| 19 | 10.363 | 1405 | 1407 | 1410 | rVB | 252203 | 205437 | 1.84% | 0.335% |
| 20 | 10.586 | 1442 | 1445 | 1449 | rVB | 141387 | 138119 | 1.23% | 0.225% |
| 21 | 10.716 | 1462 | 1467 | 1470 | rBV | 2890422 | 2526687 | 22.58% | 4.116% |
| 22 | 10.745 | 1470 | 1472 | 1475 | rVB | 155123 | 129193 | 1.15% | 0.210% |
| 23 | 10.839 | 1485 | 1488 | 1489 | rBV | 285660 | 240894 | 2.15% | 0.392% |
| 24 | 10.851 | 1489 | 1490 | 1496 | rVB2 | 245044 | 224084 | 2.00% | 0.365% |
| 25 | 11.286 | 1560 | 1564 | 1566 | rBV2 | 260171 | 345229 | 3.08% | 0.562% |
| 26 | 11.316 | 1566 | 1569 | 1576 | rVB2 | 266465 | 329427 | 2.94% | 0.537% |
| 27 | 11.416 | 1582 | 1586 | 1588 | rBV | 1520523 | 1363524 | 12.18% | 2.221% |
| 28 | 11.710 | 1634 | 1636 | 1641 | rVB | 191087 | 154936 | 1.38% | 0.252% |
| 29 | 11.810 | 1650 | 1653 | 1656 | rVB | 211241 | 171552 | 1.53% | 0.279% |
| 30 | 11.939 | 1672 | 1675 | 1679 | rBV | 419931 | 361652 | 3.23% | 0.589% |
| 31 | 12.121 | 1703 | 1706 | 1709 | rVB | 144622 | 128811 | 1.15% | 0.210% |
| 32 | 12.721 | 1806 | 1808 | 1812 | rBV | 227906 | 219271 | 1.96% | 0.357% |
| 33 | 12.868 | 1830 | 1833 | 1837 | rBV2 | 453894 | 459201 | 4.10% | 0.748% |
| 34 | 12.998 | 1850 | 1855 | 1858 | rBV | 3284087 | 3093186 | 27.64% | 5.038% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111650.D
Acq On : 20 Dec 2018 20:32
Operator : JU/SJ
Sample : J6353-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-SS006-0002-01

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-BF121918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.057 | 1862 | 1865 | 1867 | rBV | 240774 | 226300 | 2.02% | 0.369% |
| 36 | 13.080 | 1867 | 1869 | 1871 | rBV | 377755 | 265922 | 2.38% | 0.433% |
| 37 | 13.157 | 1880 | 1882 | 1884 | rBV | 246350 | 182087 | 1.63% | 0.297% |
| 38 | 13.192 | 1884 | 1888 | 1890 | rBV | 744909 | 713843 | 6.38% | 1.163% |
| 39 | 13.268 | 1898 | 1901 | 1903 | rBV | 590125 | 544610 | 4.87% | 0.887% |
| 40 | 13.292 | 1903 | 1905 | 1910 | rVB | 889055 | 703241 | 6.28% | 1.145% |
| 41 | 13.398 | 1920 | 1923 | 1927 | rVB | 827964 | 747359 | 6.68% | 1.217% |
| 42 | 13.468 | 1932 | 1935 | 1939 | rVV | 1002506 | 1025376 | 9.16% | 1.670% |
| 43 | 13.727 | 1976 | 1979 | 1981 | rVB | 230635 | 189595 | 1.69% | 0.309% |
| 44 | 13.751 | 1981 | 1983 | 1986 | rBV | 386493 | 372679 | 3.33% | 0.607% |
| 45 | 13.792 | 1986 | 1990 | 1992 | rVB2 | 354430 | 465959 | 4.16% | 0.759% |
| 46 | 13.821 | 1992 | 1995 | 1997 | rBV | 377758 | 384822 | 3.44% | 0.627% |
| 47 | 13.845 | 1997 | 1999 | 2003 | rVB3 | 403351 | 515338 | 4.60% | 0.839% |
| 48 | 13.886 | 2003 | 2006 | 2009 | rBV | 1003238 | 963795 | 8.61% | 1.570% |
| 49 | 14.045 | 2028 | 2033 | 2037 | rBV2 | 10710050 | 11190969 | 100.00% | 18.228% |
| 50 | 14.686 | 2138 | 2142 | 2146 | rBV | 2636799 | 2340042 | 20.91% | 3.812% |
| 51 | 15.527 | 2281 | 2285 | 2289 | rVB | 873658 | 1045713 | 9.34% | 1.703% |

Sum of corrected areas: 61393250

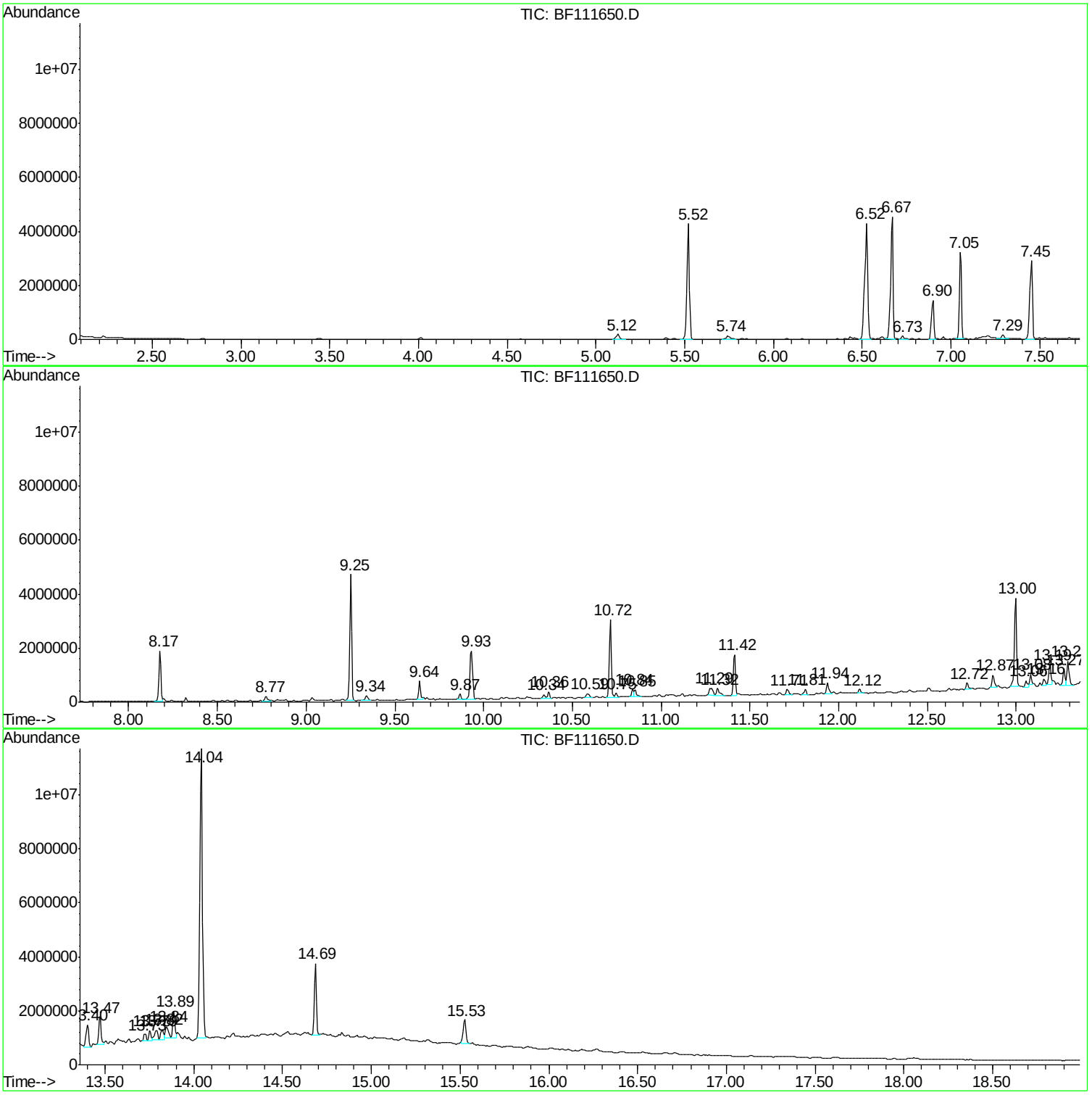
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111650.D
Acq On : 20 Dec 2018 20:32
Operator : JU/SJ
Sample : J6353-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-SS006-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.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\BF122018\
Data File : BF111650.D
Acq On : 20 Dec 2018 20:32
Operator : JU/SJ
Sample : J6353-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-SS006-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

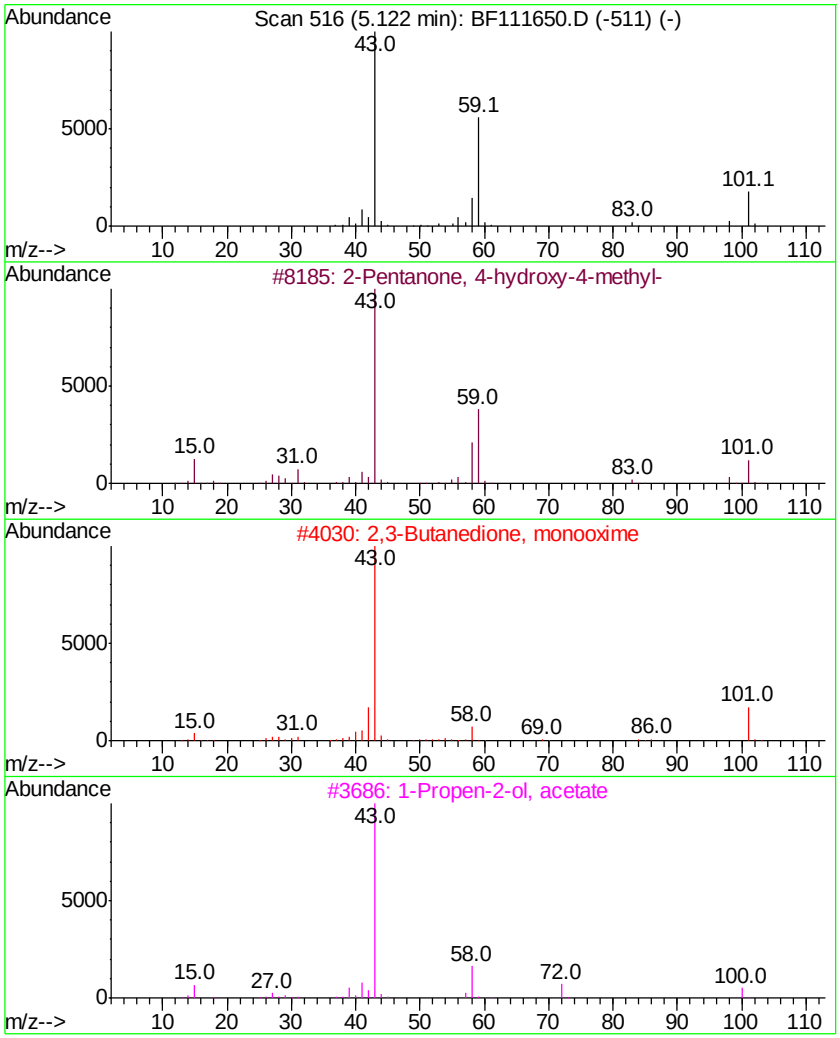
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

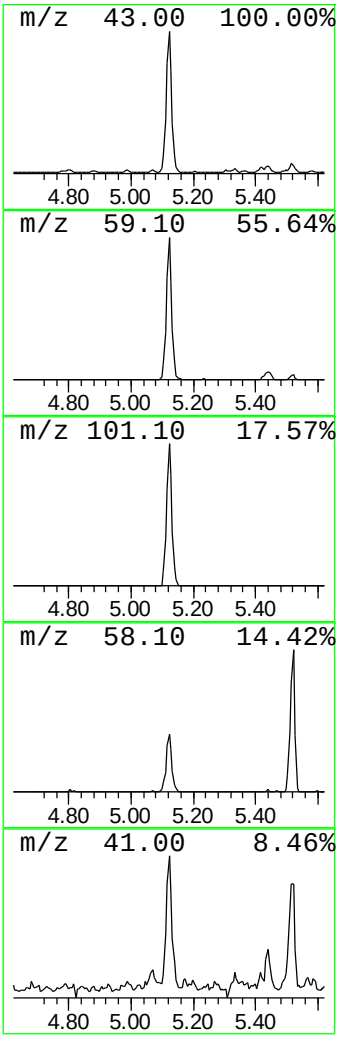
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.12 | 3.75 ng | 235411 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 59 |
| 2 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 12 |
| 3 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |
| 4 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |
| 5 | Butane | 58 | C4H10 | 000106-97-8 | 9 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111650.D
Acq On : 20 Dec 2018 20:32
Operator : JU/SJ
Sample : J6353-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-SS006-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

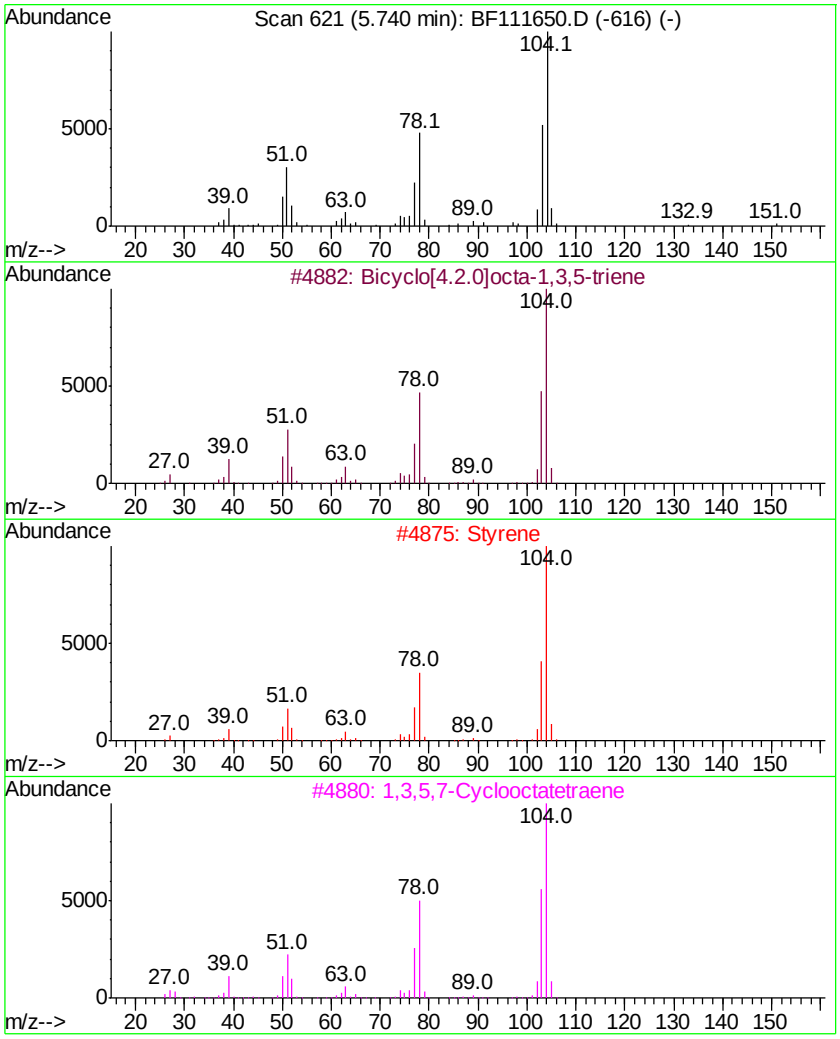
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

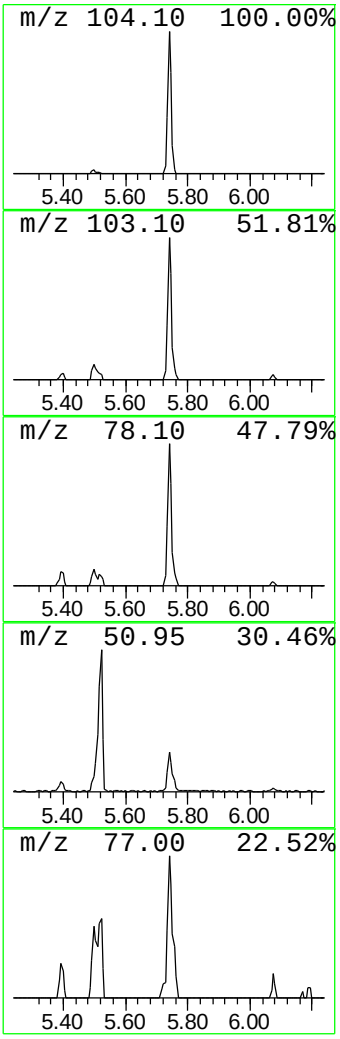
**********

Peak Number 2 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.74 | 3.21 ng | 201771 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[4.2.0]octa-1,3,5-triene | 104 | C8H8 | 000694-87-1 | 94 |
| 2 | Styrene | 104 | C8H8 | 000100-42-5 | 94 |
| 3 | 1,3,5,7-Cyclooctatetraene | 104 | C8H8 | 000629-20-9 | 94 |
| 4 | Butanedioic acid, phenyl- | 194 | C10H10O4 | 000635-51-8 | 64 |
| 5 | Indan, epoxide | 132 | C9H8O | 000768-22-9 | 59 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111650.D
Acq On : 20 Dec 2018 20:32
Operator : JU/SJ
Sample : J6353-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-SS006-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

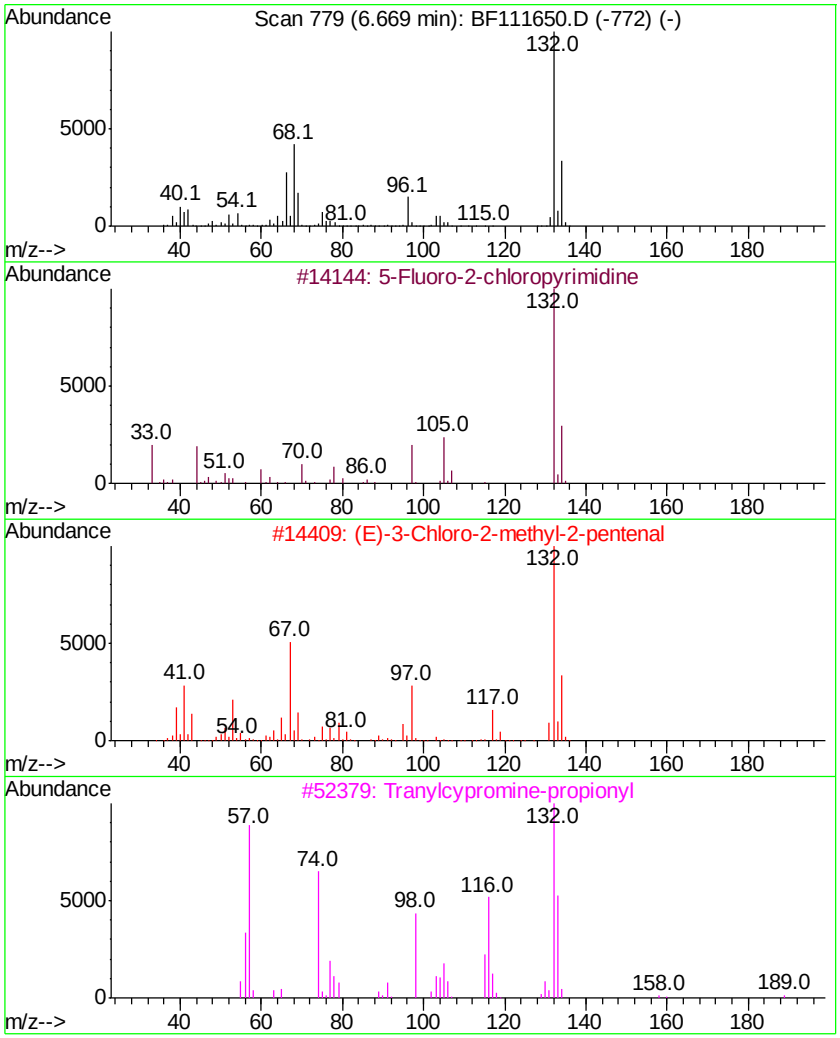
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

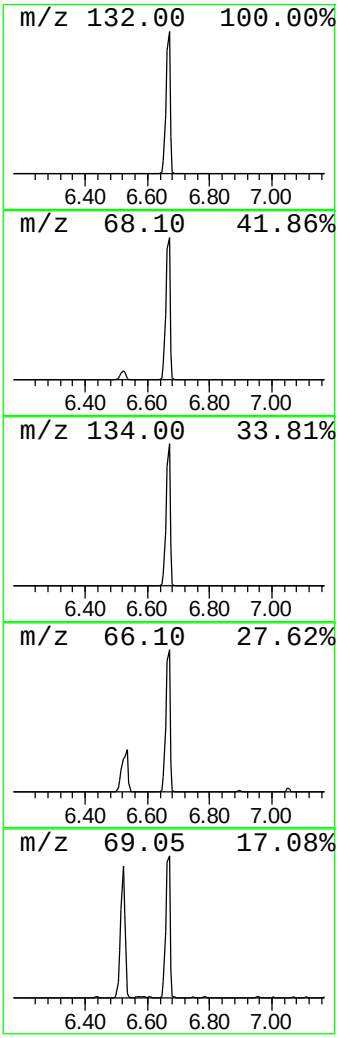
**********

Peak Number 3 unknown6.67 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.67 | 68.40 ng | 4295850 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 16 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 16 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 4 | Xenon | 132 | Xe | 007440-63-3 | 9 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111650.D
Acq On : 20 Dec 2018 20:32
Operator : JU/SJ
Sample : J6353-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
P001-SS006-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

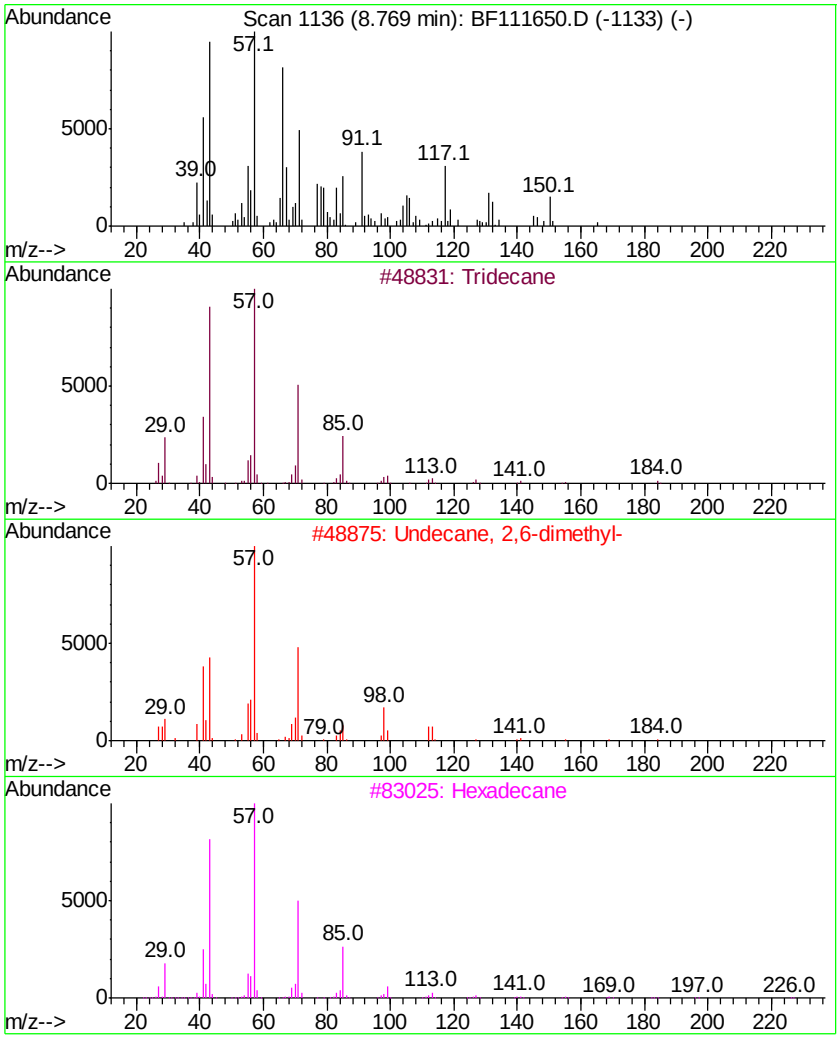
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

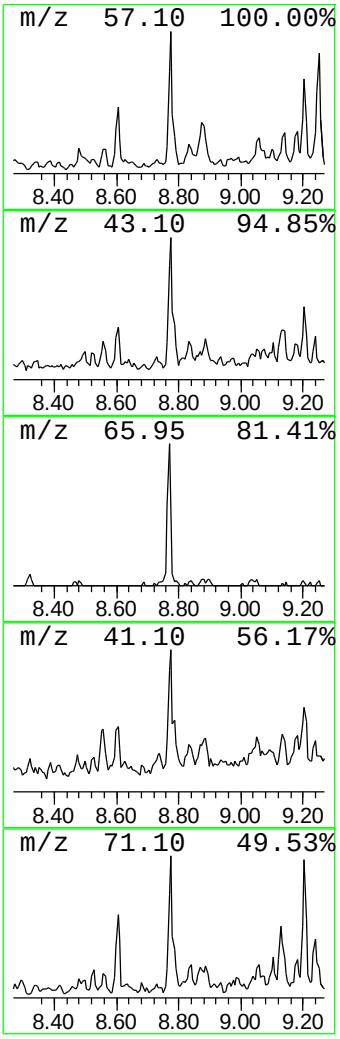
**********

Peak Number 6 Tridecane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.77 | 2.55 ng | 211224 | Naphthalene-d8 | 8.17 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 80 |
| 2 | Undecane, 2,6-dimethyl- | 184 | C13H28 | 017301-23-4 | 38 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 30 |
| 4 | Silane, trichlorodocosyl- | 442 | C22H45Cl3Si | 007325-84-0 | 27 |
| 5 | Tridecane, 2,5-dimethyl- | 212 | C15H32 | 056292-66-1 | 27 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111650.D
Acq On : 20 Dec 2018 20:32
Operator : JU/SJ
Sample : J6353-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-SS006-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

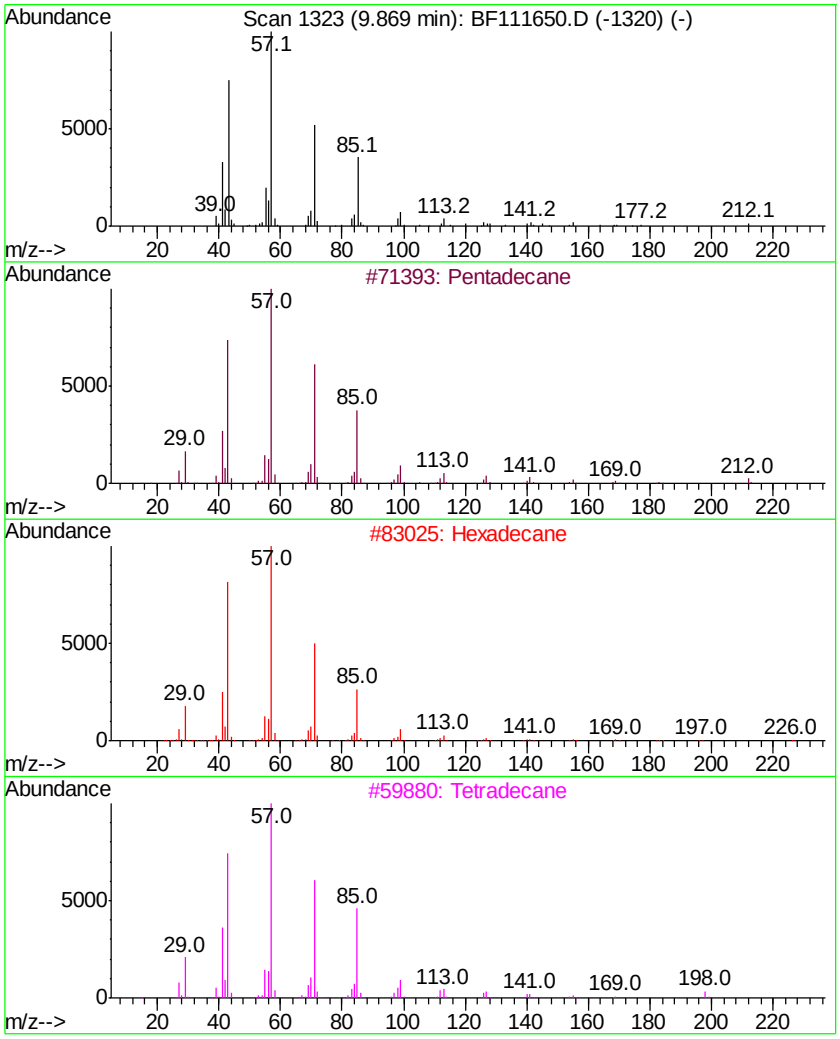
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

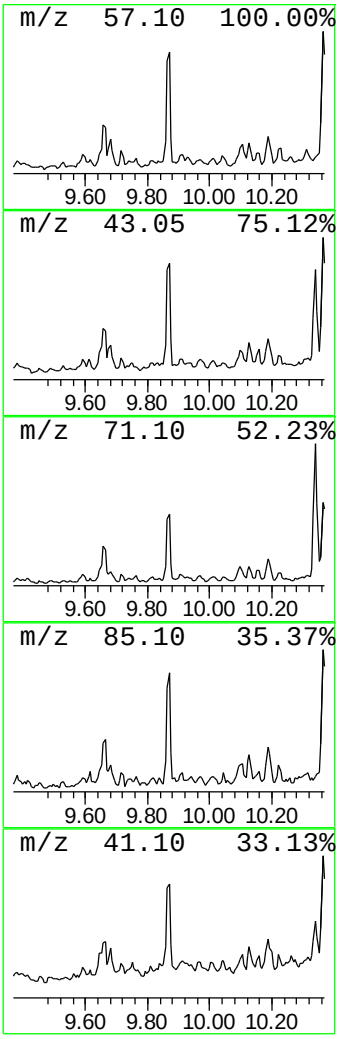
**********

Peak Number 8 Pentadecane Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.87 | 2.07 ng | 181386 | Acenaphthene-d10 | 9.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane | 212 | C15H32 | 000629-62-9 | 95 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 4 | Nonane, 5-butyl- | 184 | C13H28 | 017312-63-9 | 72 |
| 5 | Tridecane | 184 | C13H28 | 000629-50-5 | 72 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111650.D
Acq On : 20 Dec 2018 20:32
Operator : JU/SJ
Sample : J6353-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-SS006-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

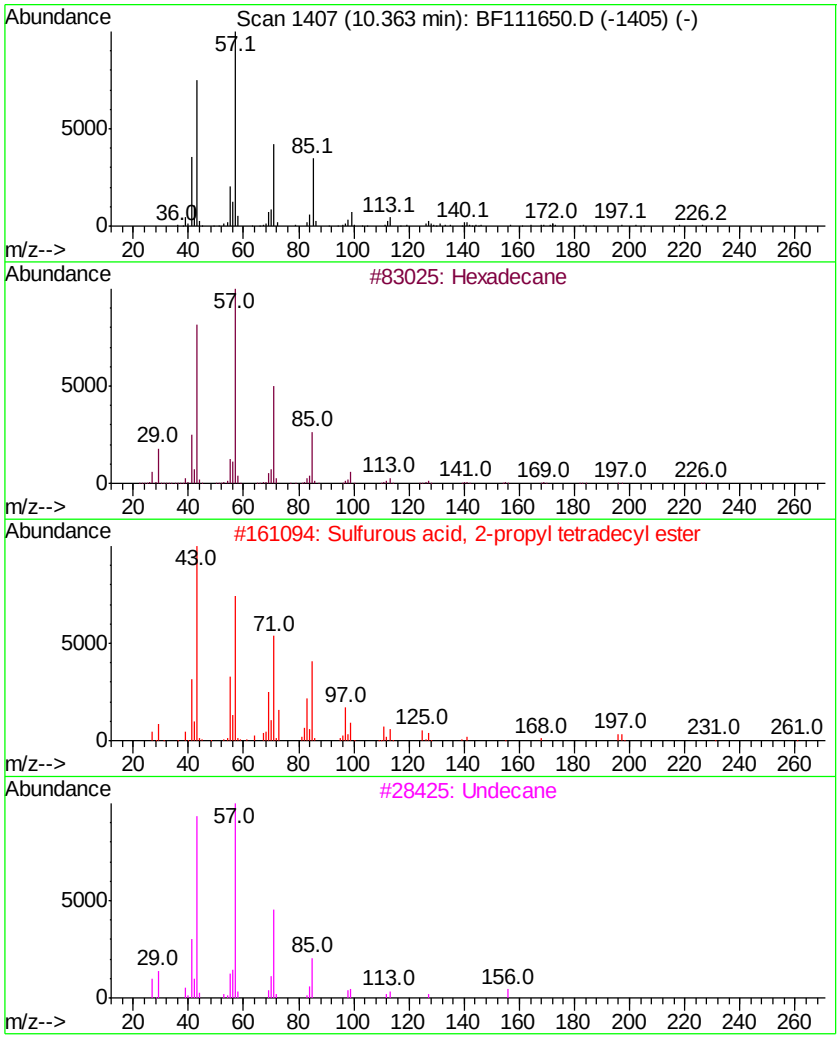
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

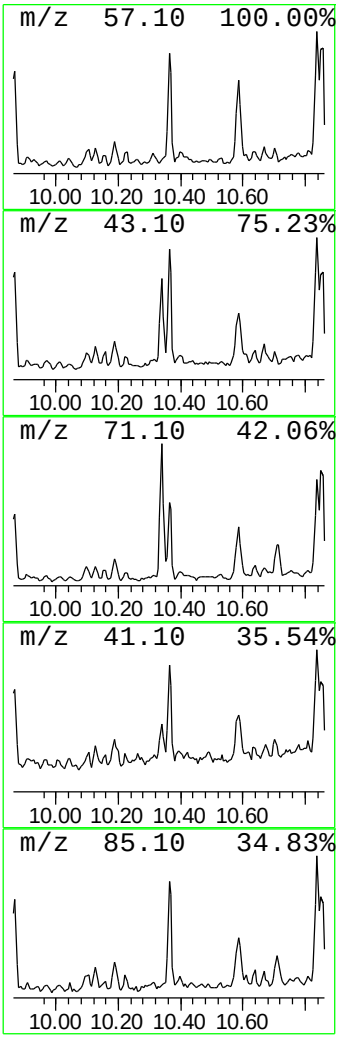
**********

Peak Number 9 Hexadecane Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.36 | 2.35 ng | 205437 | Acenaphthene-d10 | 9.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 87 |
| 2 | Sulfurous acid, 2-propyl tetrade... | 320 | C17H36O3S | 1000309-12-5 | 86 |
| 3 | Undecane | 156 | C11H24 | 001120-21-4 | 86 |
| 4 | Tridecane | 184 | C13H28 | 000629-50-5 | 86 |
| 5 | Sulfurous acid, 2-propyl tridecy... | 306 | C16H34O3S | 1000309-12-4 | 78 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111650.D
Acq On : 20 Dec 2018 20:32
Operator : JU/SJ
Sample : J6353-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-SS006-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

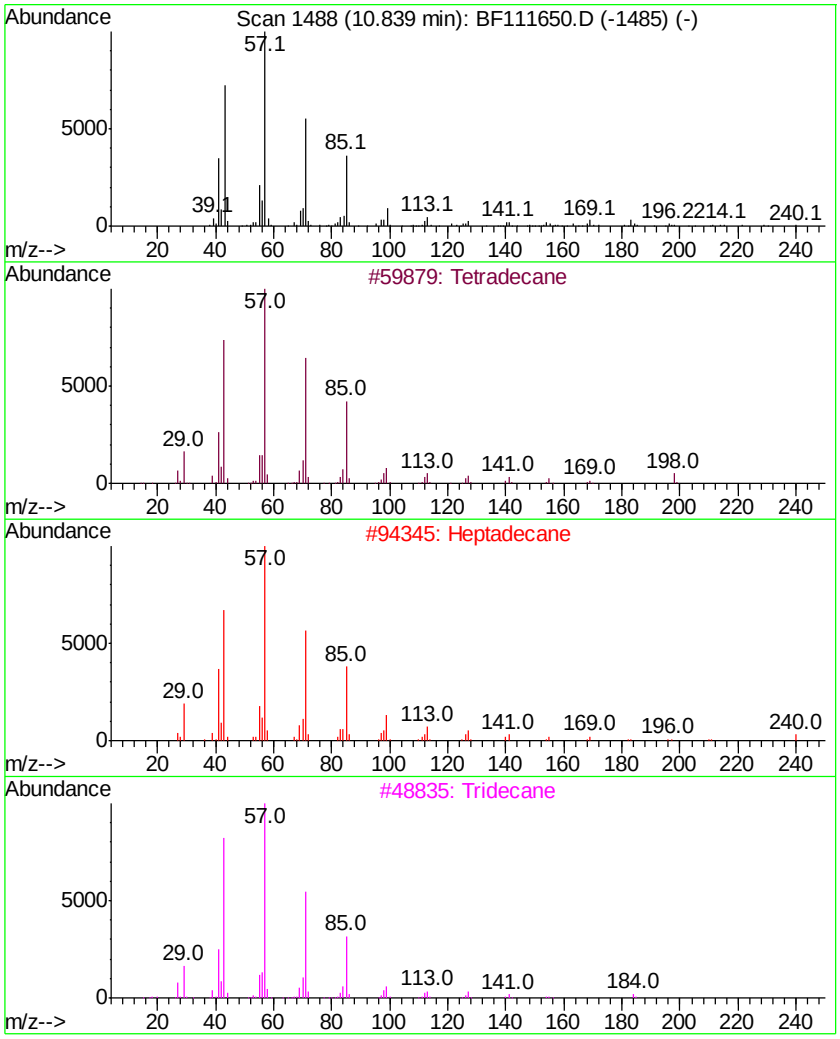
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

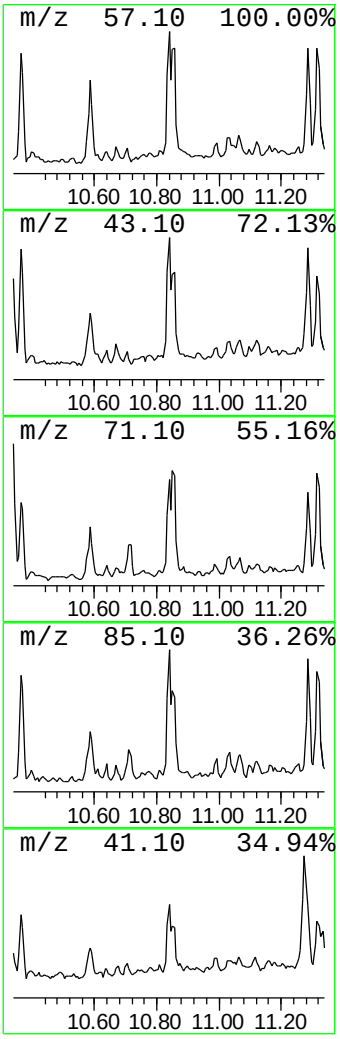
**********

Peak Number 10 Tetradecane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.84 | 3.53 ng | 240894 | Phenanthrene-d10 | 11.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 96 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 94 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 90 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111650.D
Acq On : 20 Dec 2018 20:32
Operator : JU/SJ
Sample : J6353-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-SS006-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

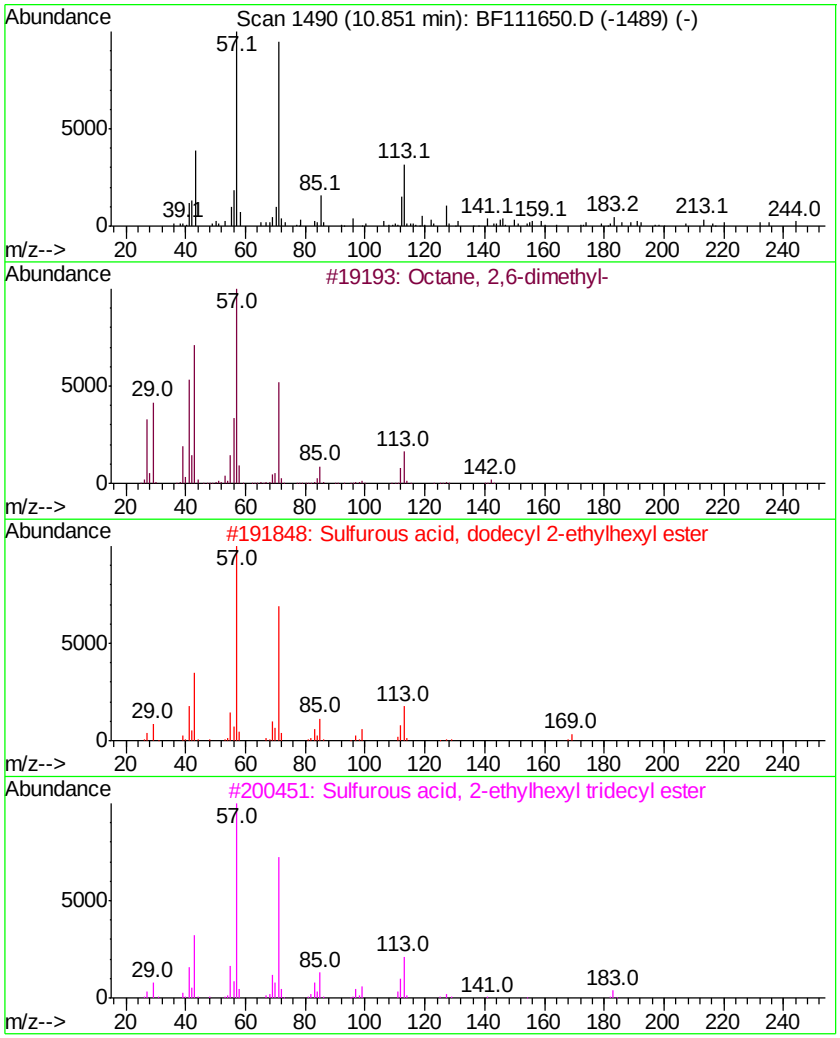
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

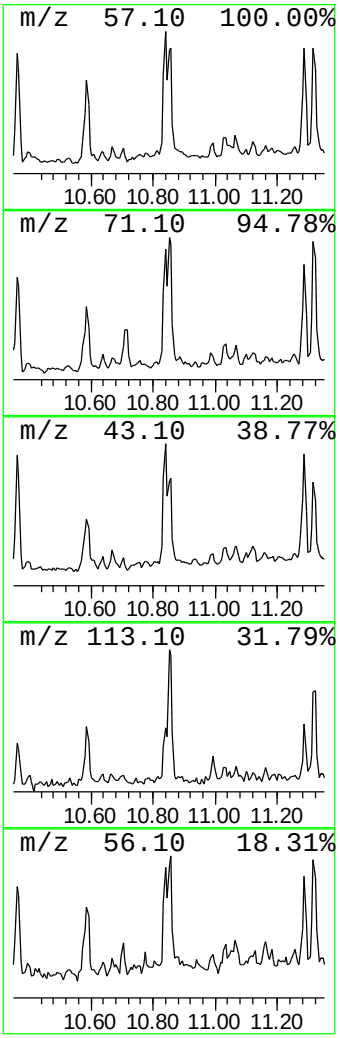
**********

Peak Number 11 Octane, 2,6-dimethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.85 | 3.29 ng | 224084 | Phenanthrene-d10 | 11.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 72 |
| 2 | Sulfurous acid, dodecyl 2-ethylh... | 362 | C20H42O3S | 1000309-19-5 | 64 |
| 3 | Sulfurous acid, 2-ethylhexyl tri... | 376 | C21H44O3S | 1000309-19-6 | 64 |
| 4 | 2,4-Dimethyl-heptane-3,5-dione | 156 | C9H16O2 | 037484-68-7 | 64 |
| 5 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 59 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111650.D
Acq On : 20 Dec 2018 20:32
Operator : JU/SJ
Sample : J6353-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-SS006-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

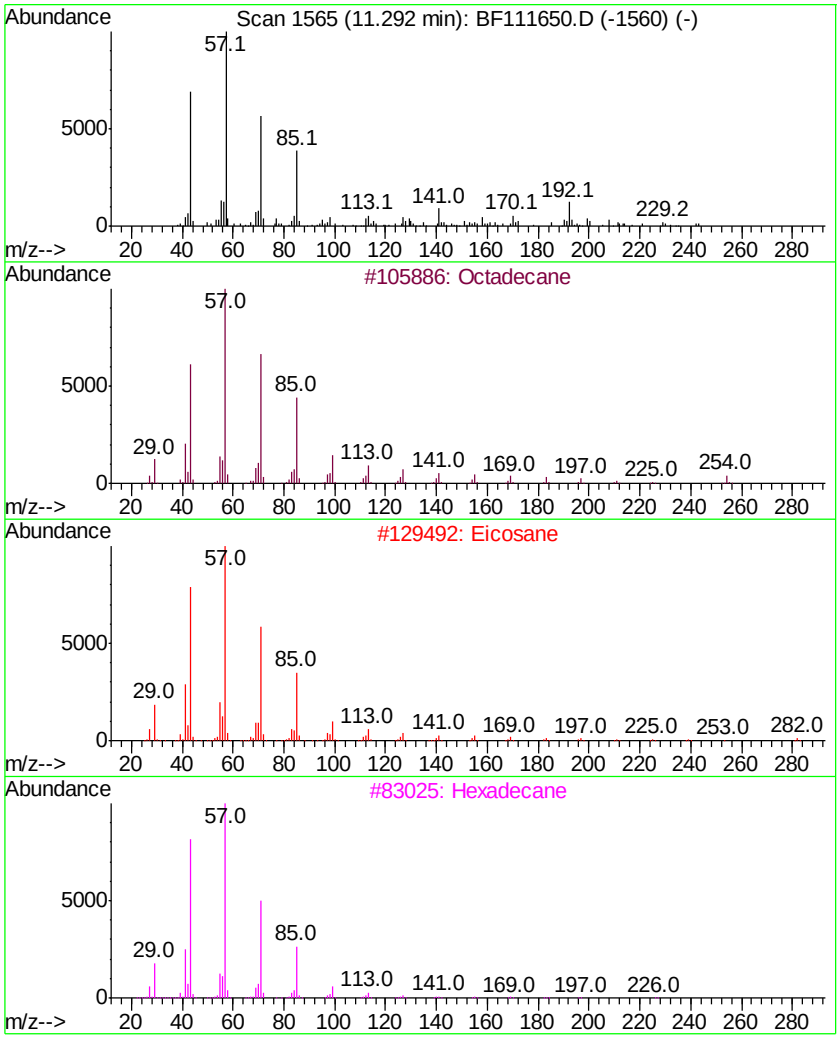
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

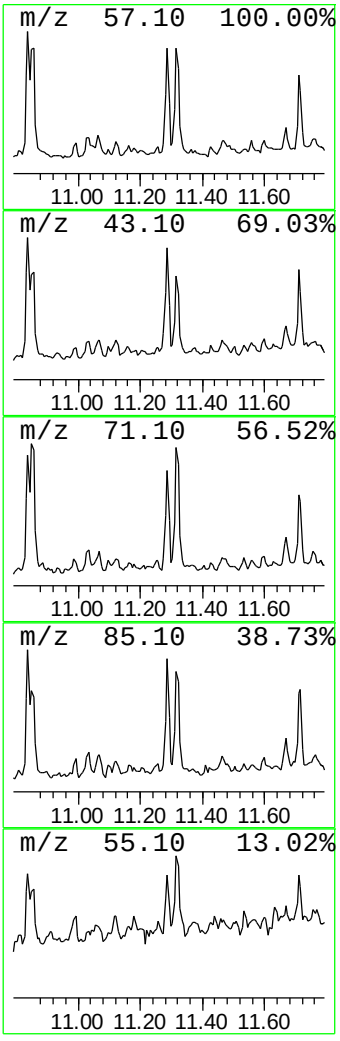
**********

Peak Number 12 Octadecane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.29 | 5.06 ng | 345229 | Phenanthrene-d10 | 11.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 86 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 80 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 80 |
| 4 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 74 |
| 5 | Nonadecane | 268 | C19H40 | 000629-92-5 | 74 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111650.D
Acq On : 20 Dec 2018 20:32
Operator : JU/SJ
Sample : J6353-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-SS006-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

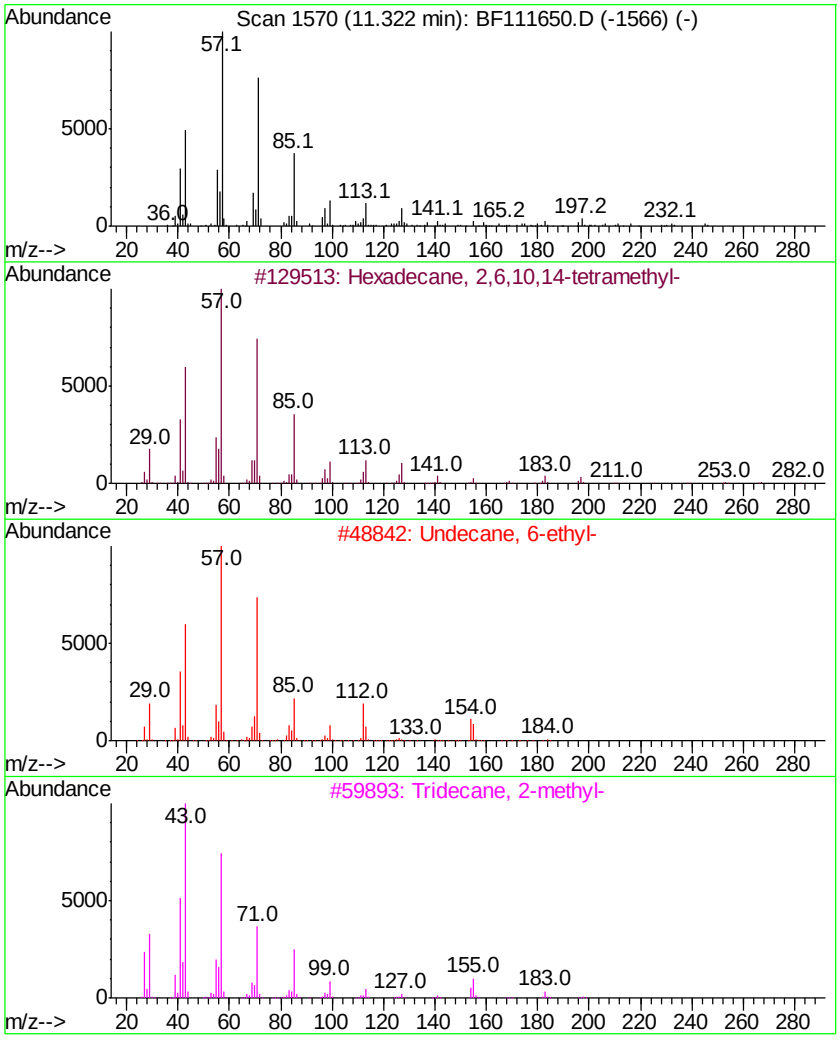
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

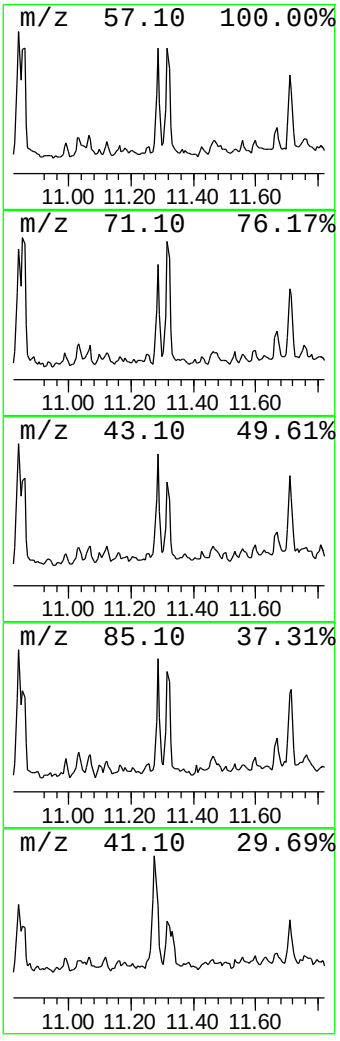
**********

Peak Number 13 Hexadecane, 2,6,10,14-tetra... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.32 | 4.83 ng | 329427 | Phenanthrene-d10 | 11.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 87 |
| 2 | Undecane, 6-ethyl- | 184 | C13H28 | 017312-60-6 | 87 |
| 3 | Tridecane, 2-methyl- | 198 | C14H30 | 001560-96-9 | 86 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 86 |
| 5 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 80 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111650.D
Acq On : 20 Dec 2018 20:32
Operator : JU/SJ
Sample : J6353-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-SS006-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

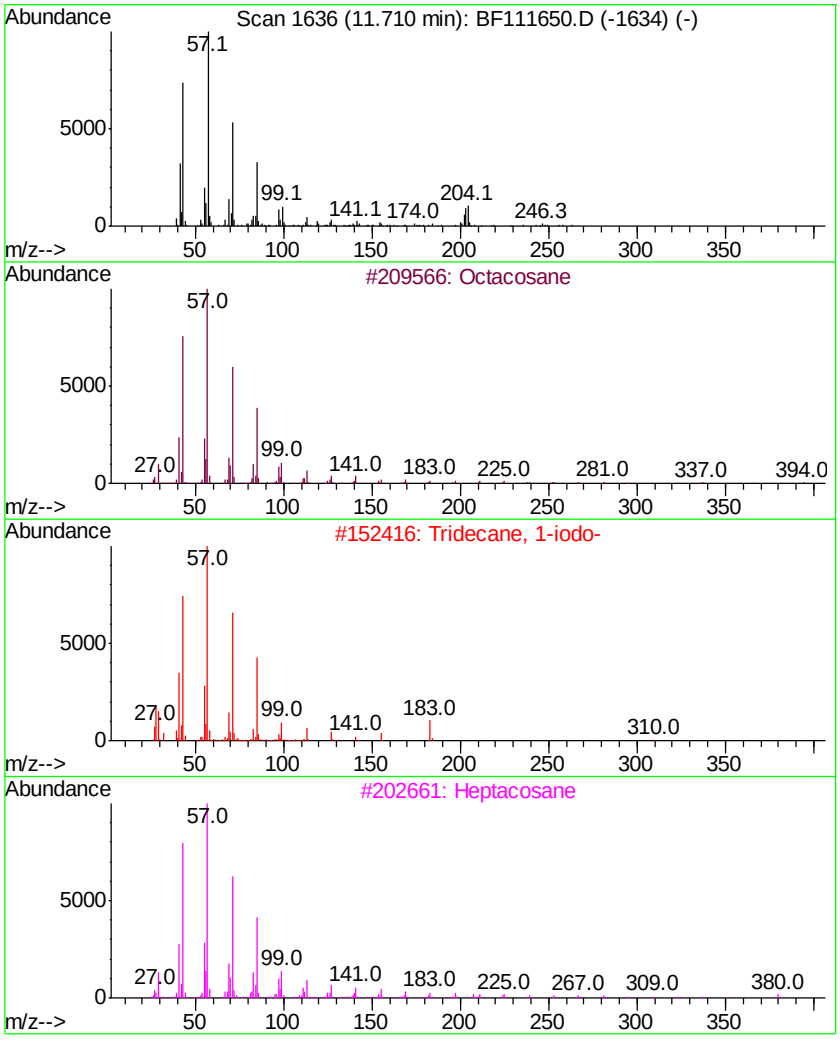
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

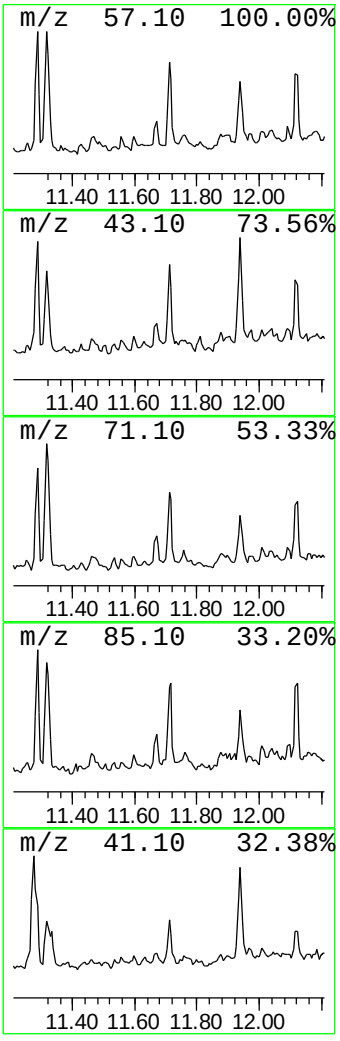
**********

Peak Number 14 Octacosane Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.71 | 2.27 ng | 154936 | Phenanthrene-d10 | 11.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane | 394 | C28H58 | 000630-02-4 | 68 |
| 2 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 68 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 68 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 64 |
| 5 | Eicosane | 282 | C20H42 | 000112-95-8 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111650.D
Acq On : 20 Dec 2018 20:32
Operator : JU/SJ
Sample : J6353-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-SS006-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

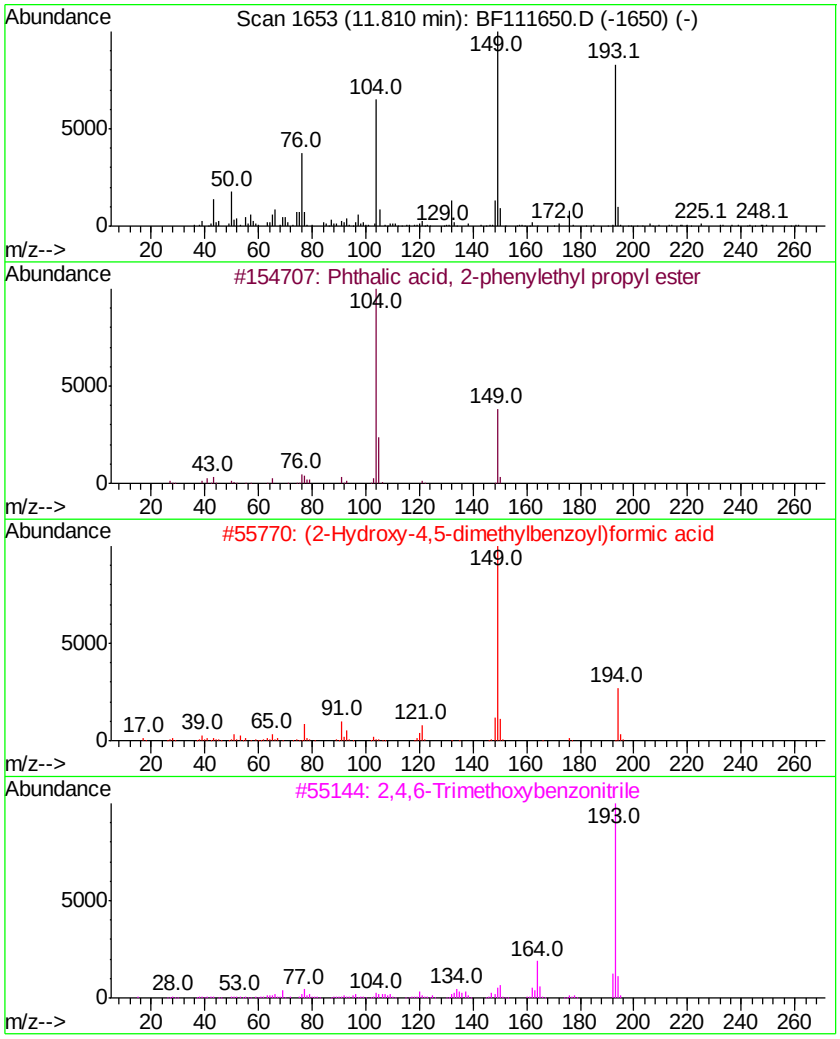
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

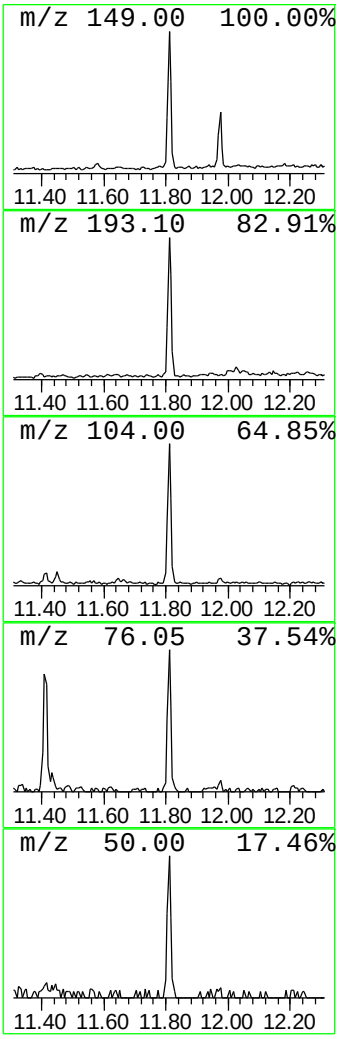
**********

Peak Number 15 unknown11.81 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.81 | 2.52 ng | 171552 | Phenanthrene-d10 | 11.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phthalic acid, 2-phenylethyl pro... | 312 | C19H20O4 | 1000309-77-1 | 38 |
| 2 | (2-Hydroxy-4,5-dimethylbenzoyl)f... | 194 | C10H10O4 | 1000241-63-9 | 27 |
| 3 | 2,4,6-Trimethoxybenzonitrile | 193 | C10H11NO3 | 002571-54-2 | 27 |
| 4 | m-Nitrobenzaldehyde dimethylhydr... | 193 | C9H11N3O2 | 032787-76-1 | 27 |
| 5 | 2,4,6-Trimethylmandelic acid | 194 | C11H14O3 | 020797-56-2 | 27 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111650.D
Acq On : 20 Dec 2018 20:32
Operator : JU/SJ
Sample : J6353-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-SS006-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

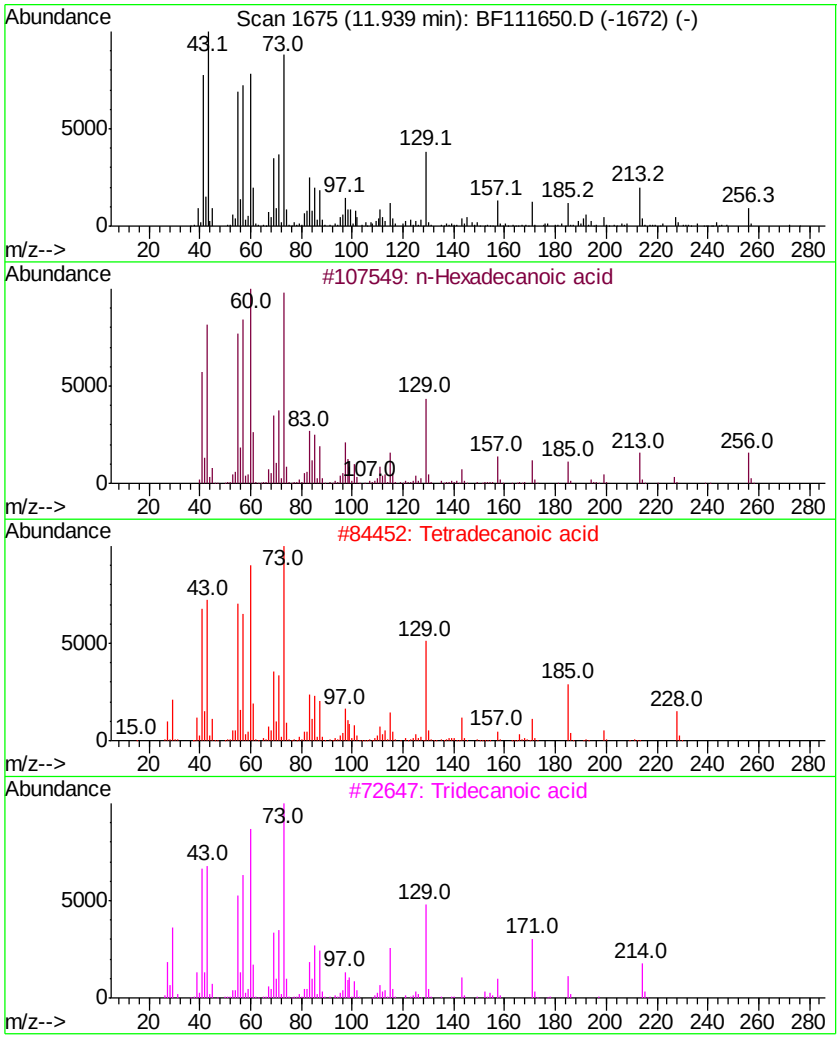
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

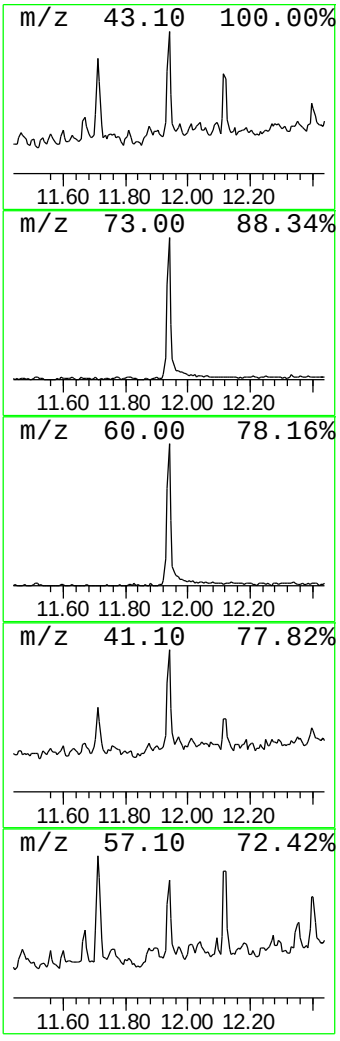
**********

Peak Number 16 n-Hexadecanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.94 | 5.30 ng | 361652 | Phenanthrene-d10 | 11.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 90 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 89 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 81 |
| 5 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111650.D
Acq On : 20 Dec 2018 20:32
Operator : JU/SJ
Sample : J6353-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-SS006-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

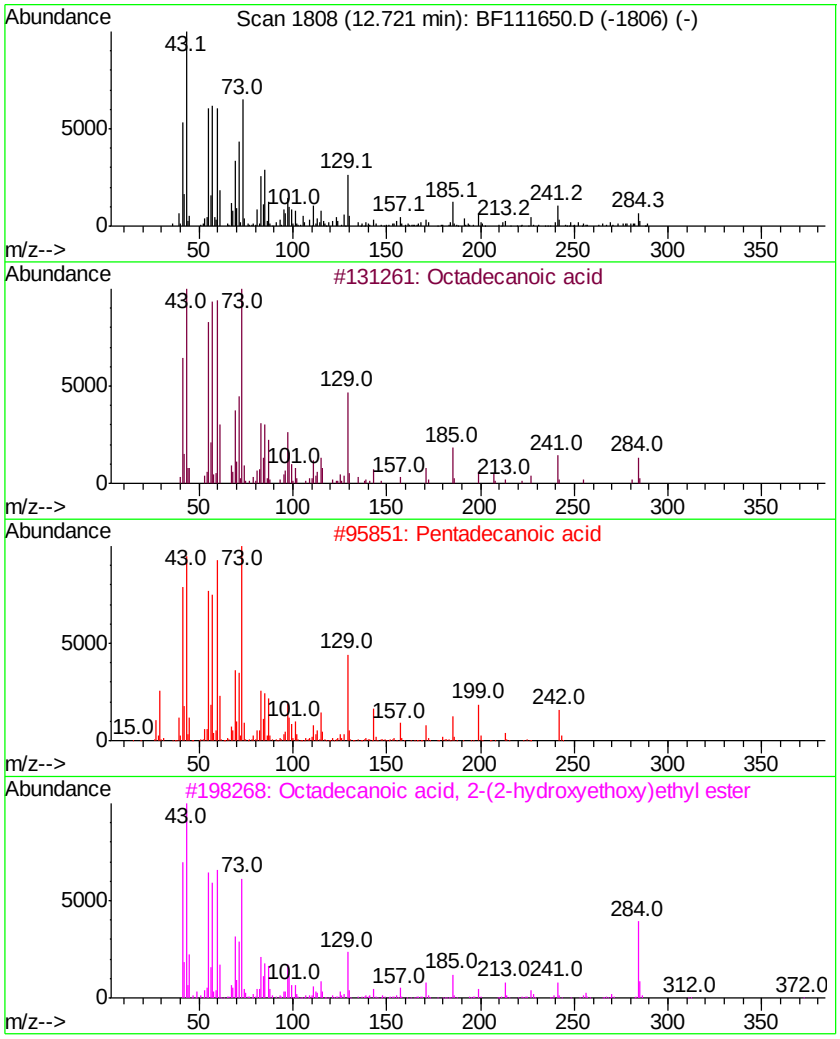
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

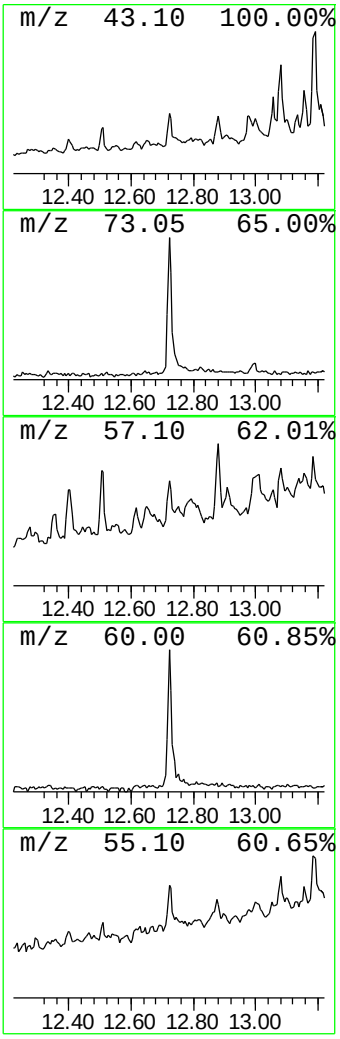
**********

Peak Number 17 Octadecanoic acid Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.72 | 3.22 ng | 219271 | Phenanthrene-d10 | 11.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 91 |
| 3 | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 64 |
| 4 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 58 |
| 5 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 58 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
Data File : BF111650.D
Acq On : 20 Dec 2018 20:32
Operator : JU/SJ
Sample : J6353-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-SS006-0002-01

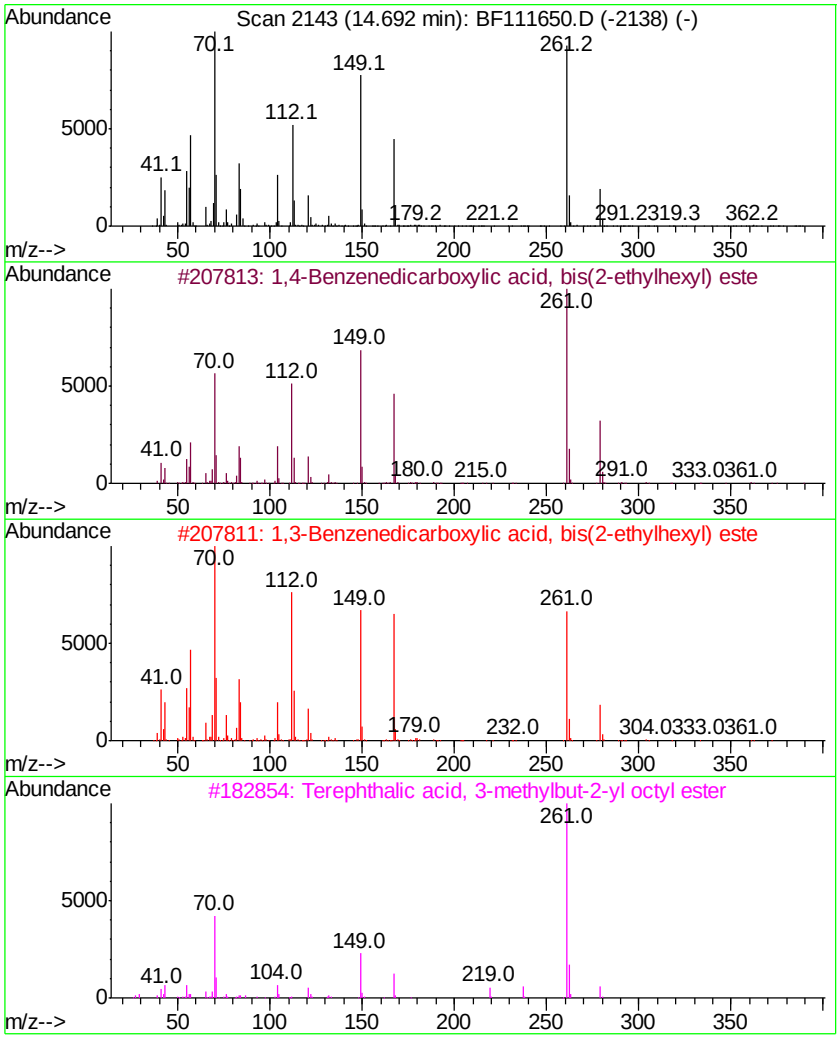
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

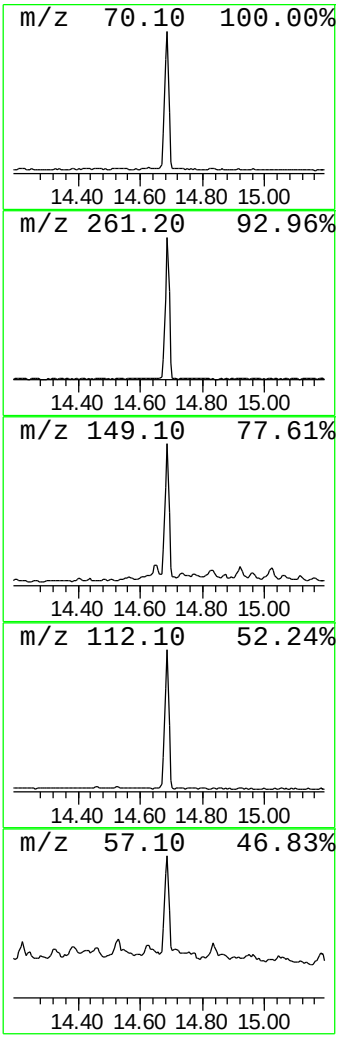
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 1,4-Benzenedicarboxylic aci... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.69 | 4.18 ng | 2340040 | Chrysene-d12 | 14.05 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,4-Benzenedicarboxylic acid, bi... | 390 | C24H38O4 | 006422-86-2 | 64 |
| 2 | 1,3-Benzenedicarboxylic acid, bi... | 390 | C24H38O4 | 000137-89-3 | 52 |
| 3 | Terephthalic acid, 3-methylbut-2... | 348 | C21H32O4 | 1000356-27-6 | 49 |
| 4 | Terephthalic acid, monochloride,... | 296 | C16H21ClO3 | 1000324-22-9 | 43 |
| 5 | 2-(Decyloxycarbonyl)benzoic acid | 306 | C18H26O4 | 1000373-53-2 | 35 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122018\
Data File : BF111650.D
Acq On : 20 Dec 2018 20:32
Operator : JU/SJ
Sample : J6353-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-SS006-0002-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121918.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 |
| 2-Pentanone, 4-hy... | 5.12 | 3.8 | ng | 235411 | 1 | 6.90 | 1256180 | 20.0 |
| Bicyclo[4.2.0]oct... | 5.74 | 3.2 | ng | 201771 | 1 | 6.90 | 1256180 | 20.0 |
| unknown6.67 | 6.67 | 68.4 | ng | 4295850 | 1 | 6.90 | 1256180 | 20.0 |
| Tridecane | 8.77 | 2.5 | ng | 211224 | 2 | 8.17 | 1656820 | 20.0 |
| Pentadecane | 9.87 | 2.1 | ng | 181386 | 3 | 9.93 | 1750670 | 20.0 |
| Hexadecane | 10.36 | 2.4 | ng | 205437 | 3 | 9.93 | 1750670 | 20.0 |
| Tetradecane | 10.84 | 3.5 | ng | 240894 | 4 | 11.42 | 1363520 | 20.0 |
| Octane, 2,6-dimet... | 10.85 | 3.3 | ng | 224084 | 4 | 11.42 | 1363520 | 20.0 |
| Octadecane | 11.29 | 5.1 | ng | 345229 | 4 | 11.42 | 1363520 | 20.0 |
| Hexadecane, 2,6,1... | 11.32 | 4.8 | ng | 329427 | 4 | 11.42 | 1363520 | 20.0 |
| Octacosane | 11.71 | 2.3 | ng | 154936 | 4 | 11.42 | 1363520 | 20.0 |
| unknown11.81 | 11.81 | 2.5 | ng | 171552 | 4 | 11.42 | 1363520 | 20.0 |
| n-Hexadecanoic acid | 11.94 | 5.3 | ng | 361652 | 4 | 11.42 | 1363520 | 20.0 |
| Octadecanoic acid | 12.72 | 3.2 | ng | 219271 | 4 | 11.42 | 1363520 | 20.0 |
| 1,4-Benzenedicarb... | 14.69 | 4.2 | ng | 2340040 | 5 | 14.05 | 11191000 | 20.0 |