LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120518\
Data File : BF111119.D
Acq On : 5 Dec 2018 20:49
Operator : JU/SJ
Sample : J5764-29 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-113018-E

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-BF120518.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 | 4.998 | 490 | 495 | 505 | rVB | 281722 | 333633 | 1.80% | 0.296% |
| 2 | 5.410 | 560 | 565 | 568 | rBV | 6618766 | 5903755 | 31.89% | 5.245% |
| 3 | 6.428 | 733 | 738 | 747 | rVB | 7039248 | 6682121 | 36.09% | 5.937% |
| 4 | 6.569 | 758 | 762 | 766 | rBV | 7068178 | 6130237 | 33.11% | 5.447% |
| 5 | 6.804 | 799 | 802 | 806 | rBV | 4350306 | 3411991 | 18.43% | 3.032% |
| 6 | 6.963 | 825 | 829 | 832 | rBV | 5864630 | 4584555 | 24.76% | 4.073% |
| 7 | 7.363 | 891 | 897 | 900 | rBV | 4195945 | 3932116 | 21.24% | 3.494% |
| 8 | 8.086 | 1016 | 1020 | 1023 | rBV | 5877477 | 4694093 | 25.35% | 4.171% |
| 9 | 8.692 | 1118 | 1123 | 1126 | rBV | 388854 | 355341 | 1.92% | 0.316% |
| 10 | 9.163 | 1199 | 1203 | 1206 | rBV | 8147409 | 6273854 | 33.89% | 5.574% |
| 11 | 9.257 | 1215 | 1219 | 1222 | rBV | 502185 | 434847 | 2.35% | 0.386% |
| 12 | 9.551 | 1267 | 1269 | 1272 | rBV | 395690 | 391210 | 2.11% | 0.348% |
| 13 | 9.786 | 1306 | 1309 | 1312 | rBV | 531643 | 439316 | 2.37% | 0.390% |
| 14 | 9.839 | 1313 | 1318 | 1322 | rBV2 | 5210433 | 4538798 | 24.51% | 4.033% |
| 15 | 10.280 | 1390 | 1393 | 1396 | rVB | 612936 | 513266 | 2.77% | 0.456% |
| 16 | 10.504 | 1424 | 1431 | 1434 | rBV | 282327 | 364841 | 1.97% | 0.324% |
| 17 | 10.622 | 1447 | 1451 | 1454 | rBV | 3610589 | 2898439 | 15.66% | 2.575% |
| 18 | 10.757 | 1471 | 1474 | 1476 | rBV | 656721 | 618682 | 3.34% | 0.550% |
| 19 | 11.204 | 1547 | 1550 | 1553 | rBV | 556478 | 456139 | 2.46% | 0.405% |
| 20 | 11.233 | 1553 | 1555 | 1559 | rVB | 241652 | 217251 | 1.17% | 0.193% |
| 21 | 11.321 | 1566 | 1570 | 1573 | rBV | 4399872 | 3583270 | 19.35% | 3.184% |
| 22 | 11.627 | 1619 | 1622 | 1625 | rBV | 431511 | 385548 | 2.08% | 0.343% |
| 23 | 11.727 | 1635 | 1639 | 1642 | rBV | 7585949 | 5841666 | 31.55% | 5.190% |
| 24 | 11.857 | 1657 | 1661 | 1665 | rBV | 440765 | 444948 | 2.40% | 0.395% |
| 25 | 12.039 | 1689 | 1692 | 1698 | rVB | 357610 | 391482 | 2.11% | 0.348% |
| 26 | 12.416 | 1752 | 1756 | 1758 | rBV | 18517641 | 18514371 | 100.00% | 16.450% |
| 27 | 12.439 | 1758 | 1760 | 1766 | rVV | 15274019 | 13113779 | 70.83% | 11.652% |
| 28 | 12.521 | 1770 | 1774 | 1779 | rBV2 | 3001455 | 2728348 | 14.74% | 2.424% |
| 29 | 12.563 | 1779 | 1781 | 1785 | rVV3 | 255615 | 238990 | 1.29% | 0.212% |
| 30 | 12.639 | 1791 | 1794 | 1800 | rVB | 317780 | 338106 | 1.83% | 0.300% |
| 31 | 12.757 | 1810 | 1814 | 1817 | rBV2 | 700395 | 714940 | 3.86% | 0.635% |
| 32 | 12.798 | 1818 | 1821 | 1823 | rVB | 241871 | 186493 | 1.01% | 0.166% |
| 33 | 12.904 | 1836 | 1839 | 1843 | rBV | 4497358 | 4110851 | 22.20% | 3.653% |
| 34 | 13.080 | 1866 | 1869 | 1870 | rBV | 399127 | 323574 | 1.75% | 0.287% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120518\
Data File : BF111119.D
Acq On : 5 Dec 2018 20:49
Operator : JU/SJ
Sample : J5764-29 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-113018-E

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-BF120518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.098 | 1870 | 1872 | 1879 | rVV7 | 238466 | 352727 | 1.91% | 0.313% |
| 36 | 13.151 | 1879 | 1881 | 1886 | rVB3 | 357381 | 503159 | 2.72% | 0.447% |
| 37 | 13.245 | 1894 | 1897 | 1899 | rBV | 319938 | 333783 | 1.80% | 0.297% |
| 38 | 13.304 | 1905 | 1907 | 1912 | rVB4 | 146796 | 187328 | 1.01% | 0.166% |
| 39 | 13.498 | 1937 | 1940 | 1944 | rBV | 205424 | 196481 | 1.06% | 0.175% |
| 40 | 13.821 | 1992 | 1995 | 2002 | rBV2 | 384526 | 442617 | 2.39% | 0.393% |
| 41 | 13.910 | 2008 | 2010 | 2013 | rBV | 249437 | 243776 | 1.32% | 0.217% |
| 42 | 13.957 | 2014 | 2018 | 2021 | rVV | 3072320 | 2993163 | 16.17% | 2.659% |
| 43 | 14.139 | 2047 | 2049 | 2053 | rVB | 309845 | 269443 | 1.46% | 0.239% |
| 44 | 14.445 | 2099 | 2101 | 2104 | rVB | 293304 | 224581 | 1.21% | 0.200% |
| 45 | 14.745 | 2150 | 2152 | 2155 | rBV | 347821 | 362858 | 1.96% | 0.322% |
| 46 | 15.080 | 2206 | 2209 | 2213 | rVB | 416440 | 429211 | 2.32% | 0.381% |
| 47 | 15.392 | 2258 | 2262 | 2266 | rVB | 1699100 | 1918971 | 10.36% | 1.705% |

Sum of corrected areas: 112548949

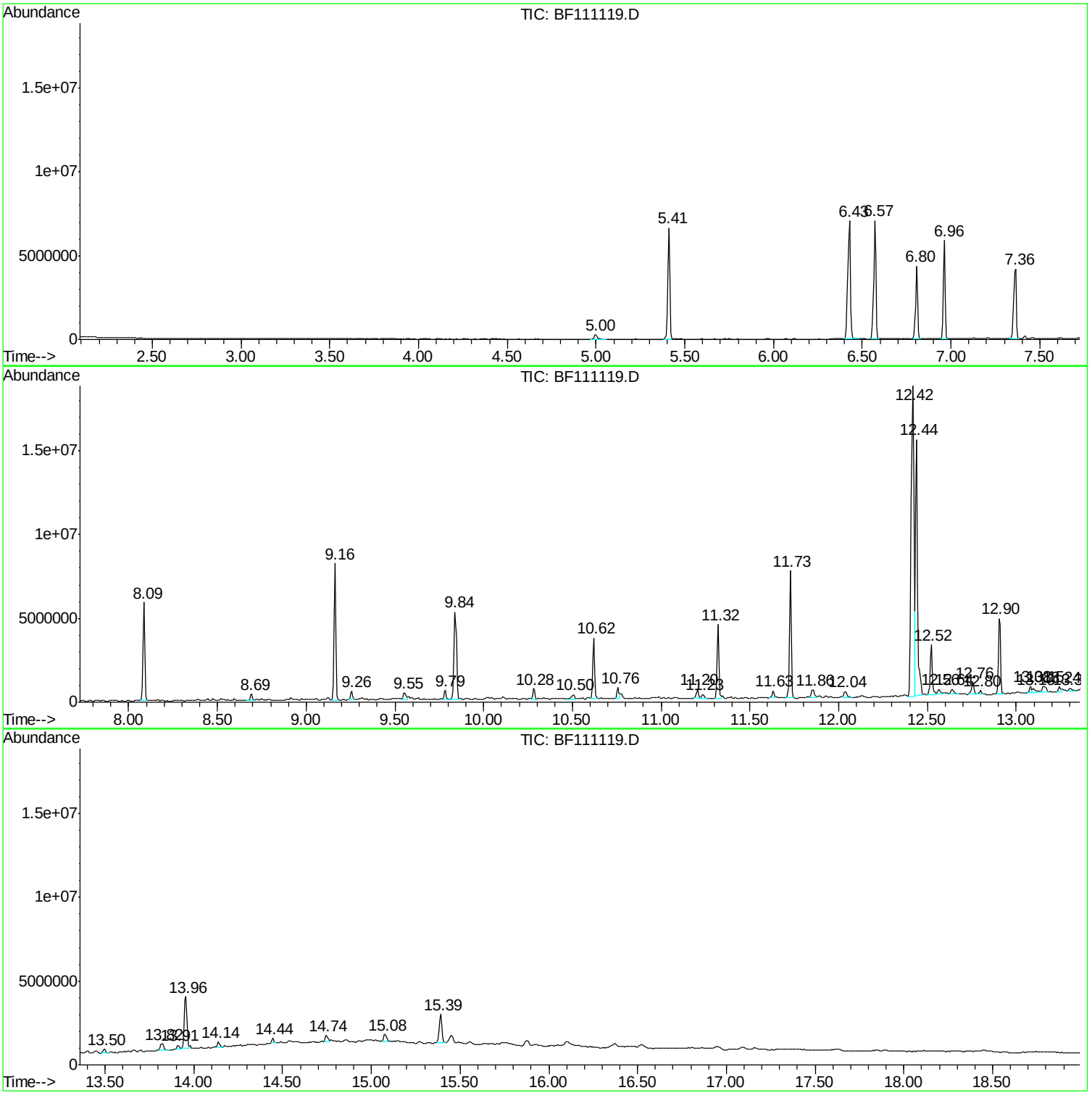
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120518\
Data File : BF111119.D
Acq On : 5 Dec 2018 20:49
Operator : JU/SJ
Sample : J5764-29 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-113018-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.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\BF120518\
Data File : BF111119.D
Acq On : 5 Dec 2018 20:49
Operator : JU/SJ
Sample : J5764-29 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-113018-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

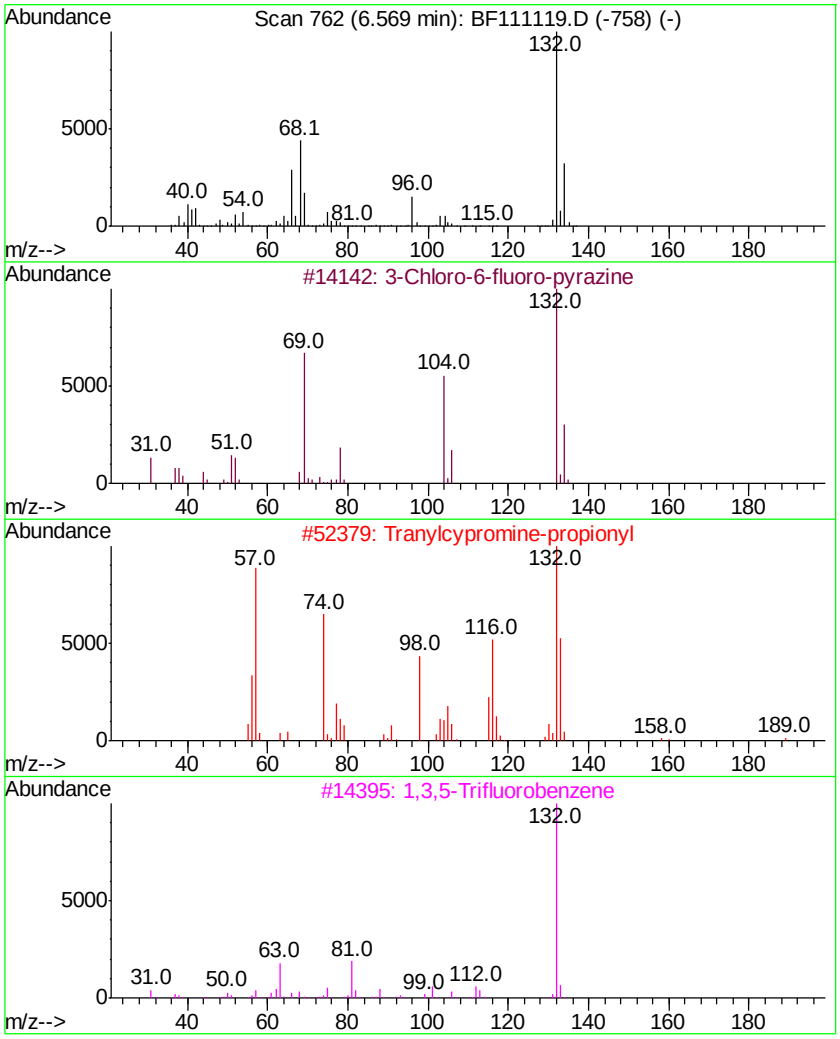
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

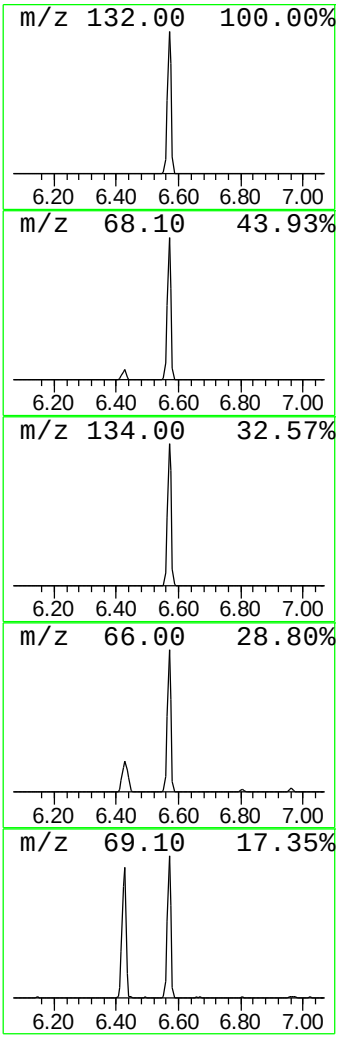
**********

Peak Number 1 unknown6.57 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.57 | 35.93 ng | 6130240 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 3 | 1,3,5-Trifluorobenzene | 132 | C6H3F3 | 000372-38-3 | 9 |
| 4 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 5 | Benzene, 1-ethenyl-3,5-dimethyl- | 132 | C10H12 | 005379-20-4 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120518\
Data File : BF111119.D
Acq On : 5 Dec 2018 20:49
Operator : JU/SJ
Sample : J5764-29 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-113018-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

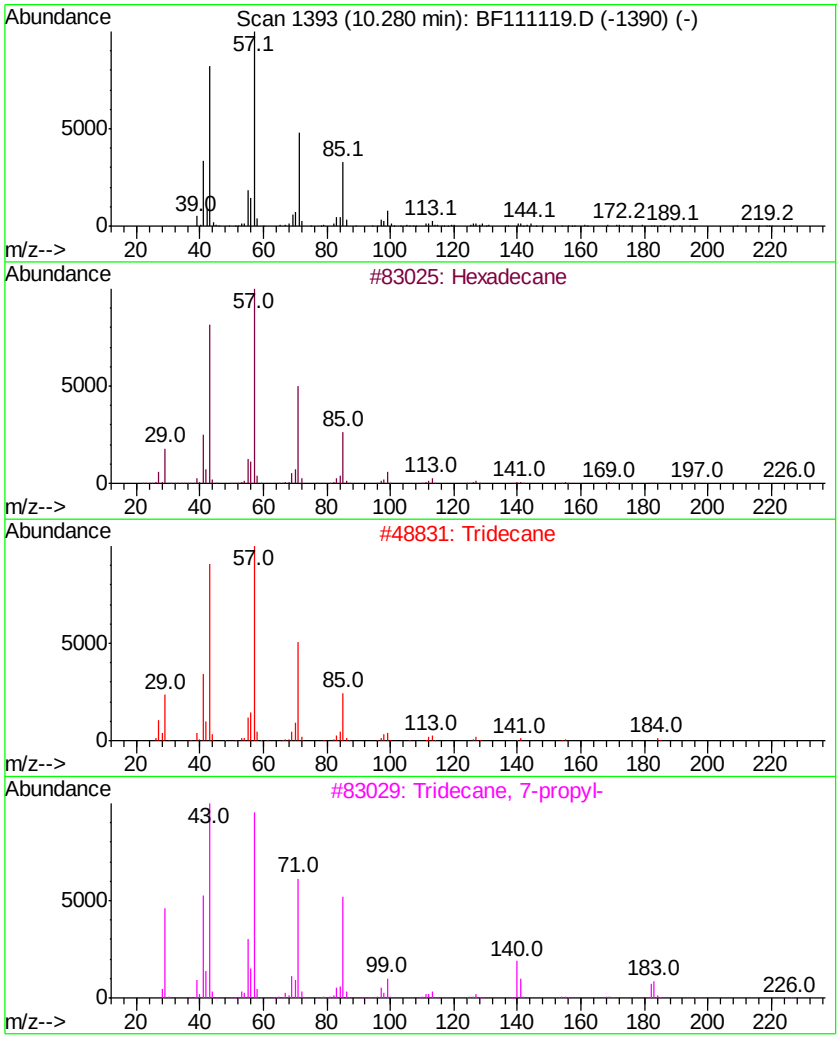
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

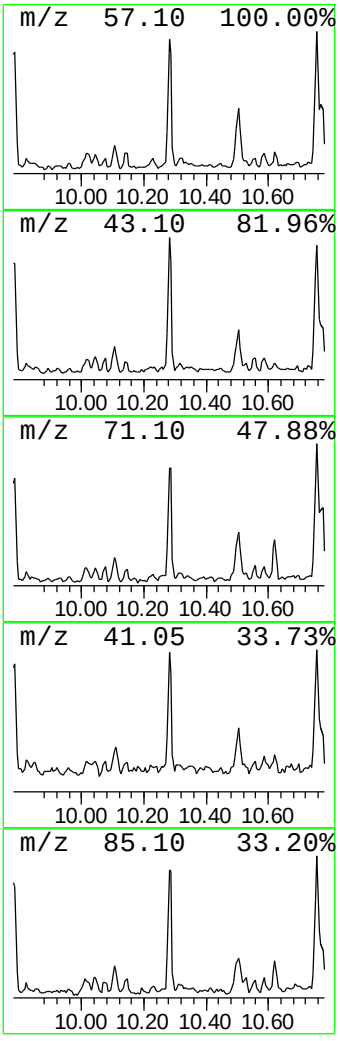
**********

Peak Number 3 Hexadecane Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.28 | 2.26 ng | 513266 | Acenaphthene-d10 | 9.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 97 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 83 |
| 3 | Tridecane, 7-propyl- | 226 | C16H34 | 055045-09-5 | 60 |
| 4 | Octane, 2,3,7-trimethyl- | 156 | C11H24 | 062016-34-6 | 59 |
| 5 | Decane, 3-bromo- | 220 | C10H21Br | 030571-71-2 | 59 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120518\
Data File : BF111119.D
Acq On : 5 Dec 2018 20:49
Operator : JU/SJ
Sample : J5764-29 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-113018-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

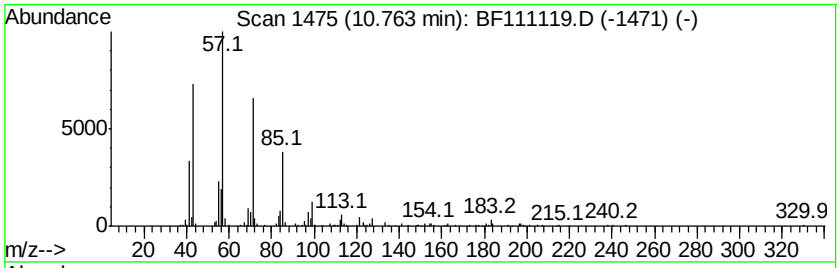
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

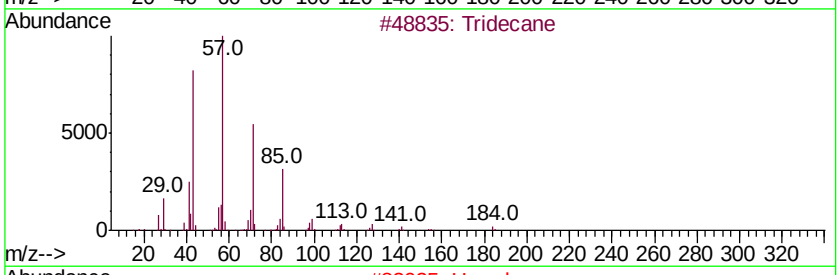
**********

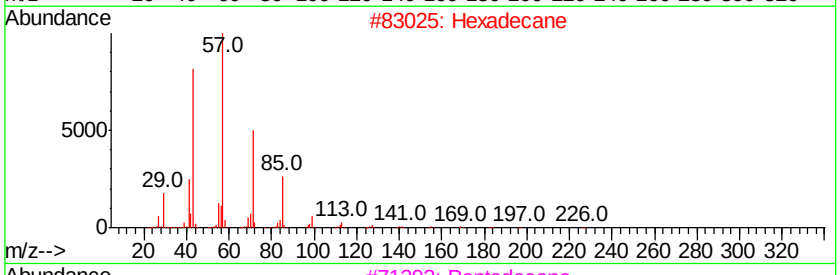
Peak Number 4 Tridecane Concentration Rank 9

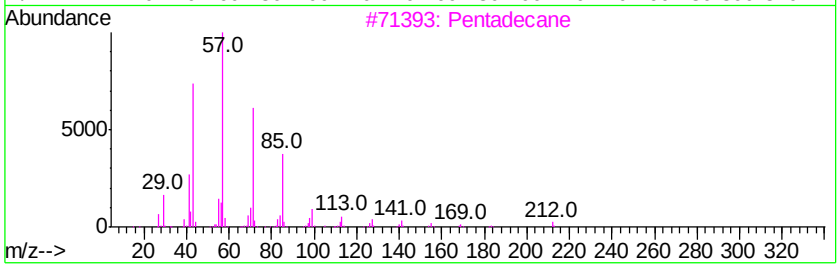
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.76 | 3.45 ng | 618682 | Phenanthrene-d10 | 11.32 |

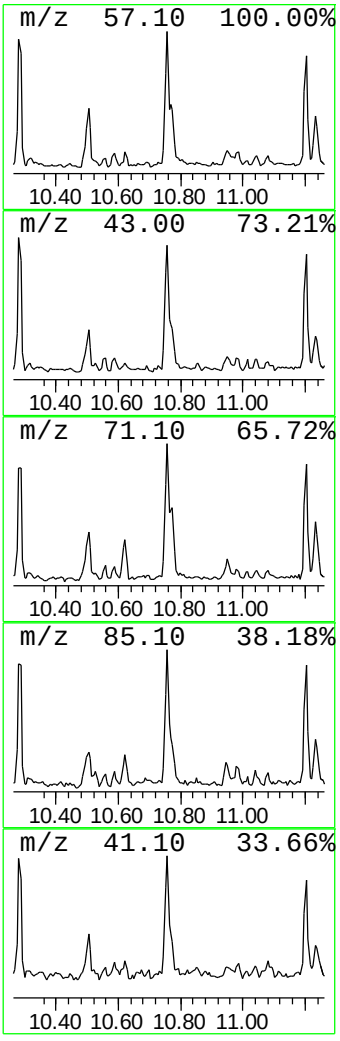
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 91 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 90 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 90 |
| 5 | 2,3-Dimethyldodecane | 198 | C14H30 | 006117-98-2 | 83 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120518\
Data File : BF111119.D
Acq On : 5 Dec 2018 20:49
Operator : JU/SJ
Sample : J5764-29 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-113018-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

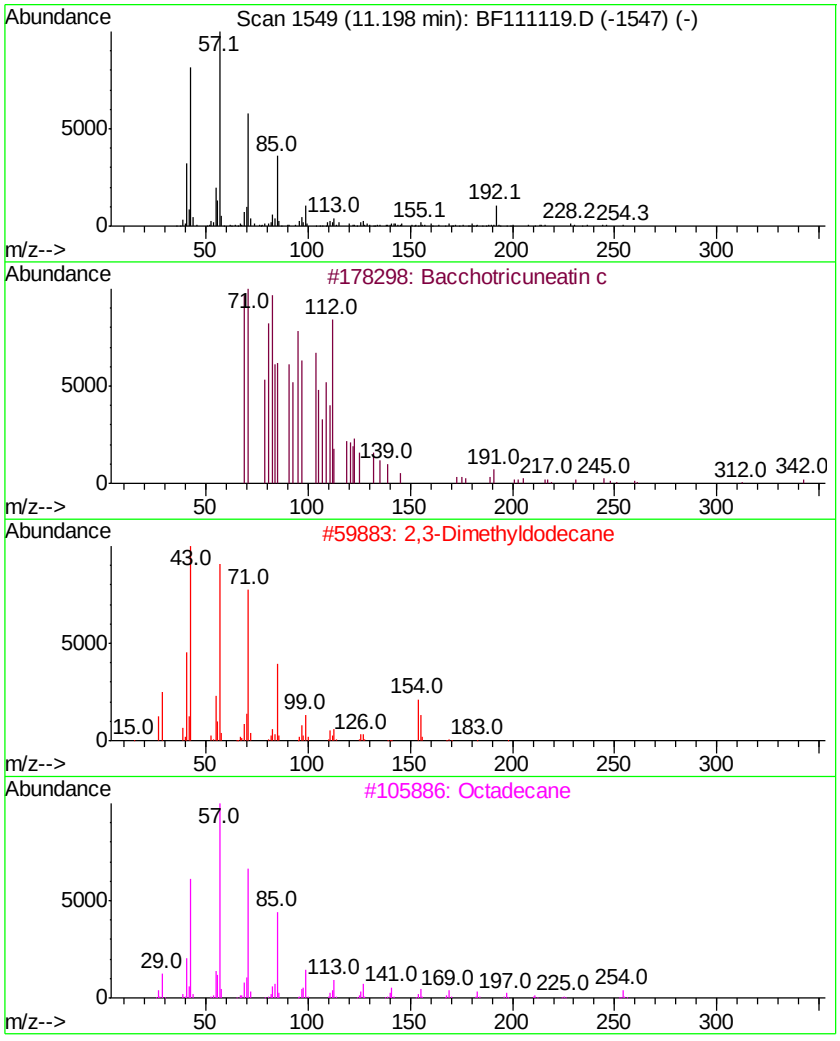
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

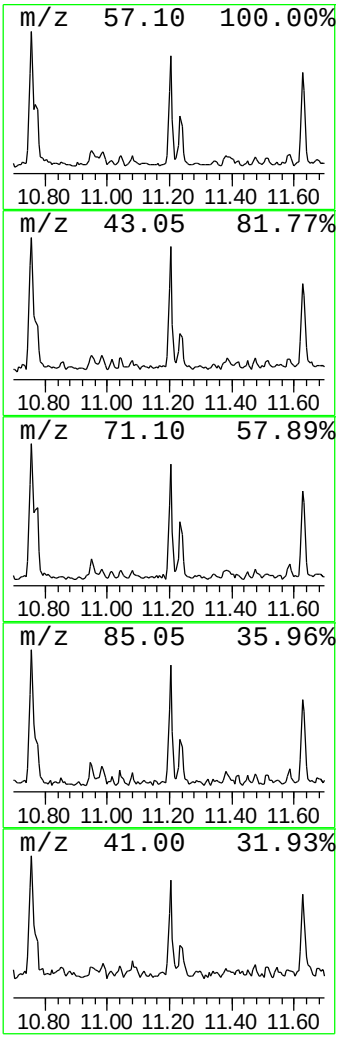
**********

Peak Number 5 Bacchotricuneatin c Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.20 | 2.55 ng | 456139 | Phenanthrene-d10 | 11.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bacchotricuneatin c | 342 | C20H22O5 | 066563-30-2 | 99 |
| 2 | 2,3-Dimethyldodecane | 198 | C14H30 | 006117-98-2 | 91 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 5 | Tridecane, 6-methyl- | 198 | C14H30 | 013287-21-3 | 87 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120518\
Data File : BF111119.D
Acq On : 5 Dec 2018 20:49
Operator : JU/SJ
Sample : J5764-29 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-113018-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

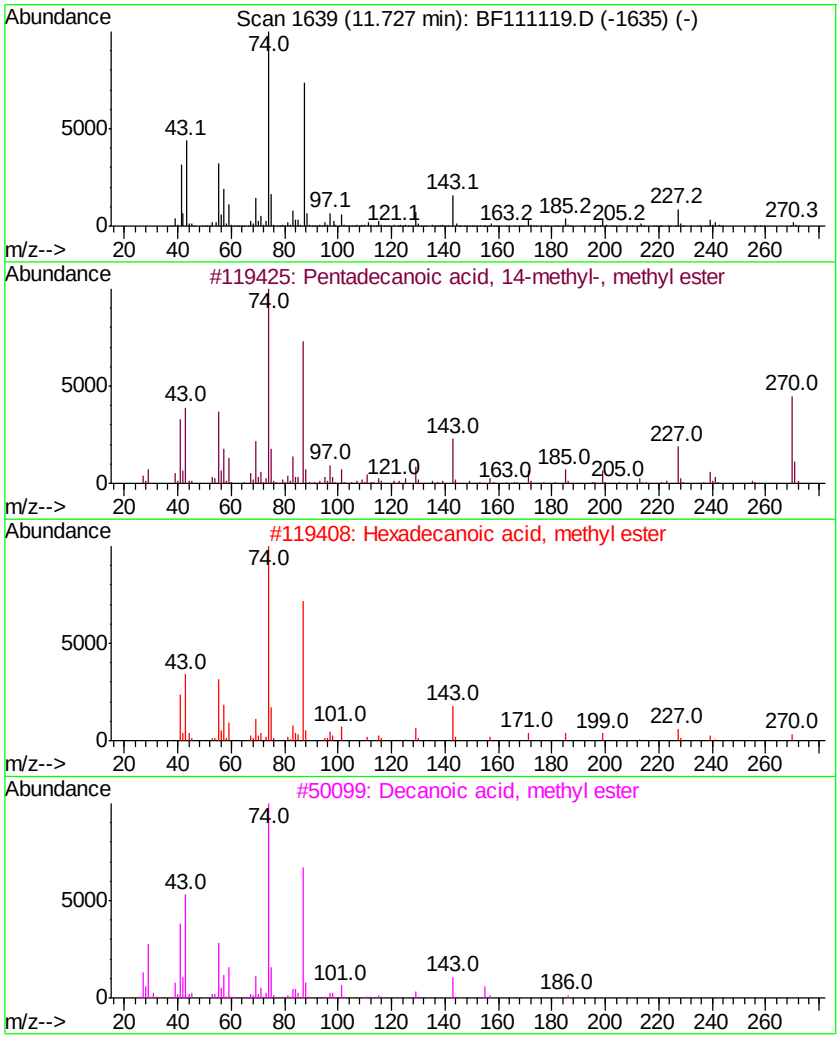
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

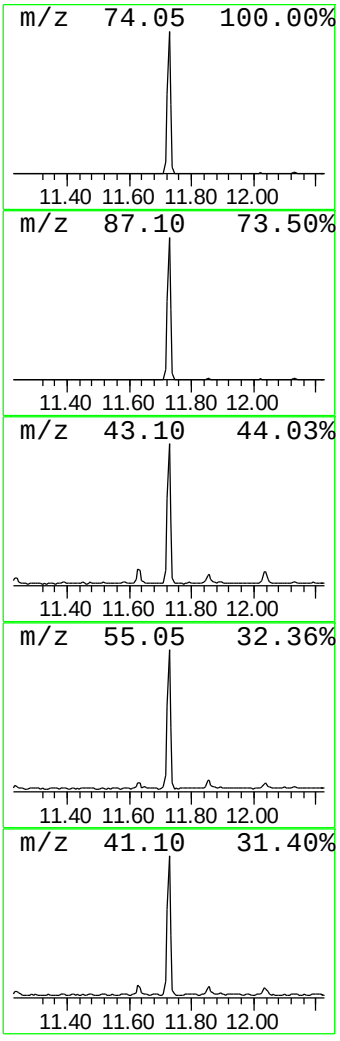
**********

Peak Number 7 Pentadecanoic acid, 14-meth... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.73 | 32.61 ng | 5841670 | Phenanthrene-d10 | 11.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 94 |
| 2 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 91 |
| 3 | Decanoic acid, methyl ester | 186 | C11H22O2 | 000110-42-9 | 90 |
| 4 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 90 |
| 5 | Methyl 11-methyl-dodecanoate | 228 | C14H28O2 | 1000336-45-1 | 90 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120518\
Data File : BF111119.D
Acq On : 5 Dec 2018 20:49
Operator : JU/SJ
Sample : J5764-29 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-113018-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

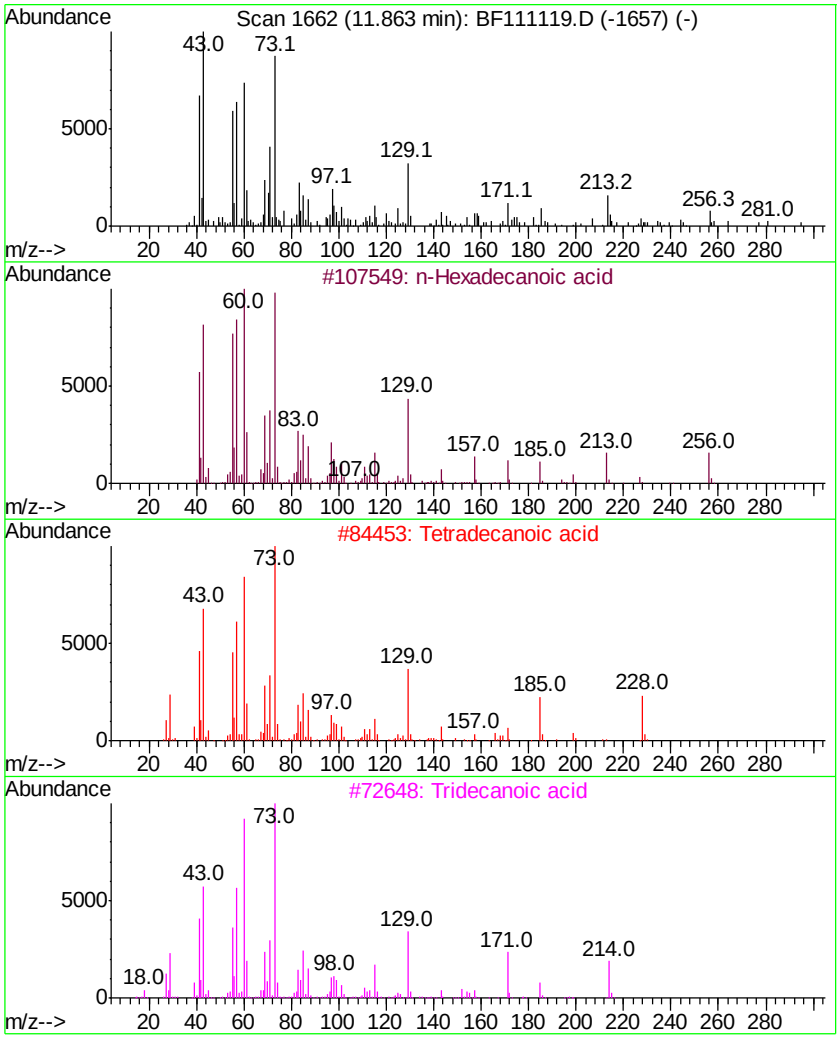
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

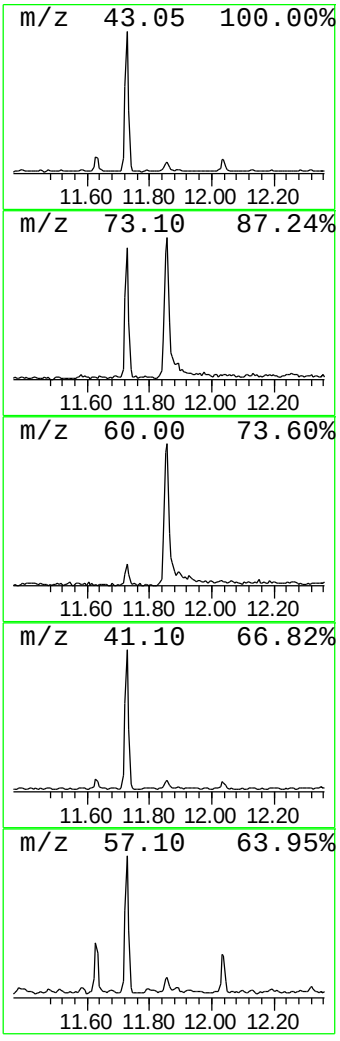
**********

Peak Number 8 n-Hexadecanoic acid Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.86 | 2.48 ng | 444948 | Phenanthrene-d10 | 11.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 91 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 87 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 81 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 68 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120518\
Data File : BF111119.D
Acq On : 5 Dec 2018 20:49
Operator : JU/SJ
Sample : J5764-29 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-113018-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

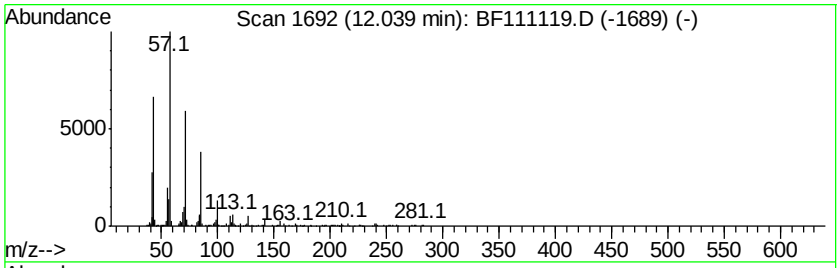
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

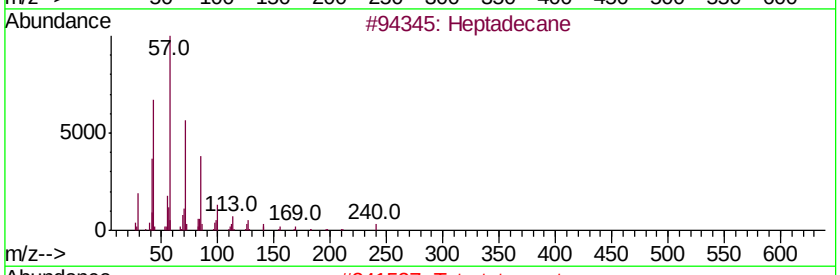
**********

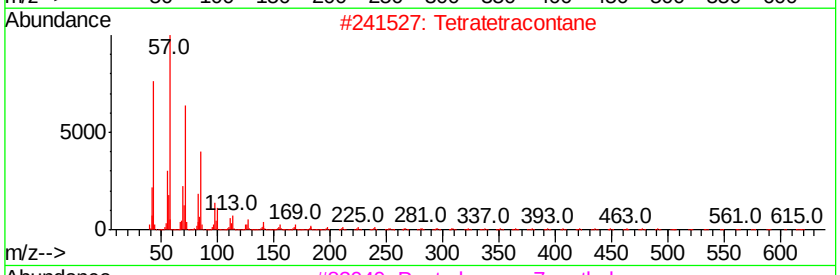
Peak Number 9 Heptadecane Concentration Rank 17

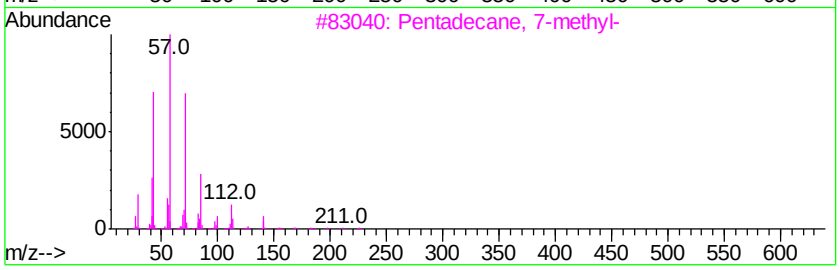
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.04 | 2.19 ng | 391482 | Phenanthrene-d10 | 11.32 |

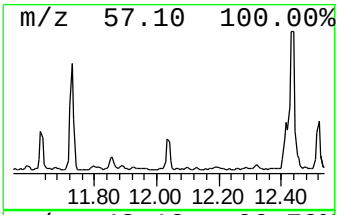
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 90 |
| 2 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 87 |
| 3 | Pentadecane, 7-methyl- | 226 | C16H34 | 006165-40-8 | 87 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 87 |
| 5 | Hexatriacontane | 507 | C36H74 | 000630-06-8 | 86 |

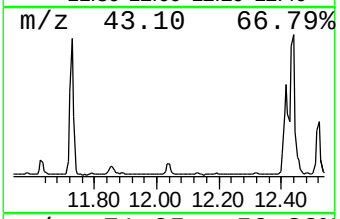


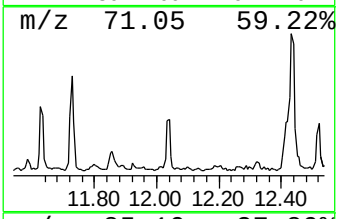



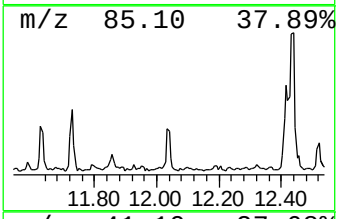



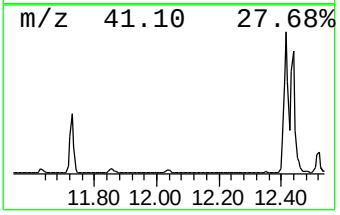



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Data File : BF111119.D
Acq On : 5 Dec 2018 20:49
Operator : JU/SJ
Sample : J5764-29 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-113018-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

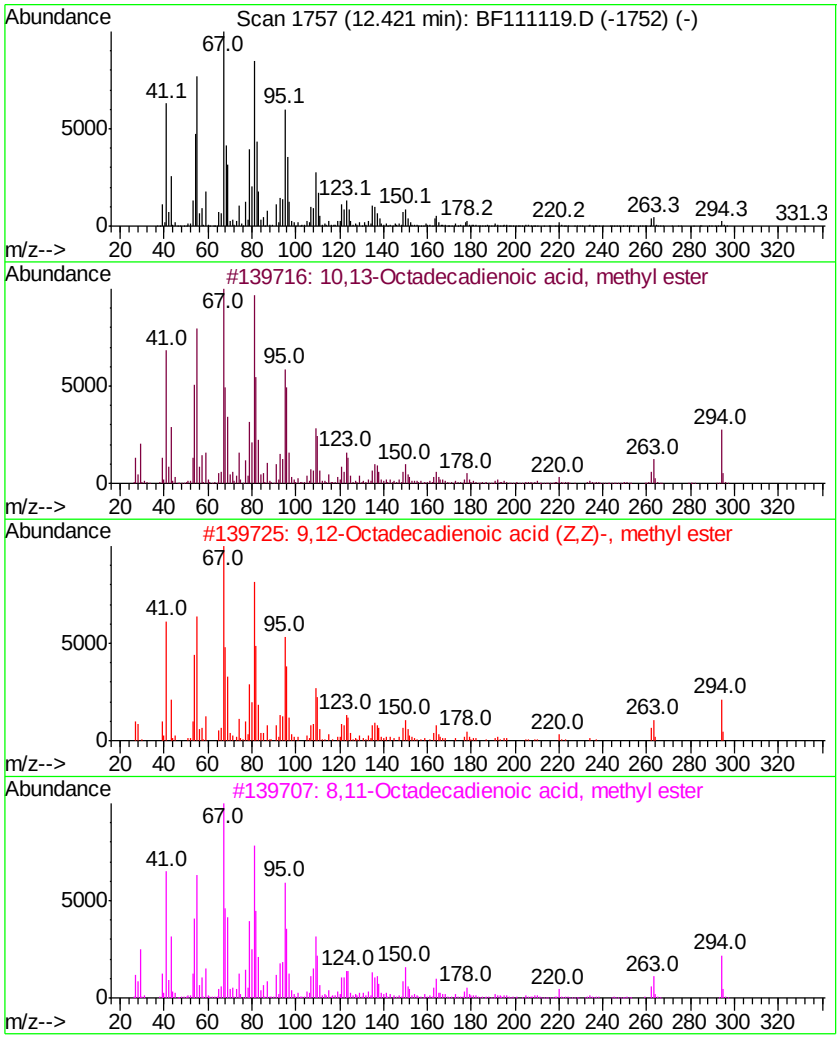
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

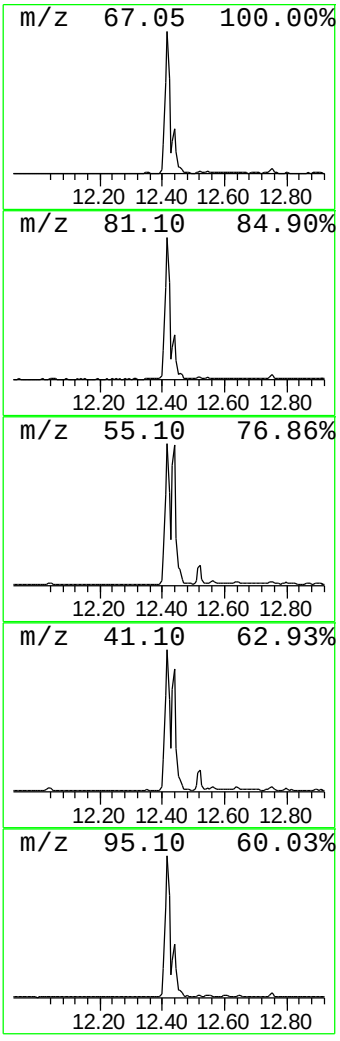
**********

Peak Number 10 10,13-Octadecadienoic acid,... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.42 | 103.34 ng | 18514400 | Phenanthrene-d10 | 11.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 10,13-Octadecadienoic acid, meth... | 294 | C19H34O2 | 056554-62-2 | 99 |
| 2 | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 99 |
| 3 | 8,11-Octadecadienoic acid, methy... | 294 | C19H34O2 | 056599-58-7 | 99 |
| 4 | Methyl 9-cis,11-trans-octadecadi... | 294 | C19H34O2 | 1000336-44-0 | 95 |
| 5 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 95 |



# Library Search Compound Report

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Data File : BF111119.D
Acq On : 5 Dec 2018 20:49
Operator : JU/SJ
Sample : J5764-29 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-113018-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

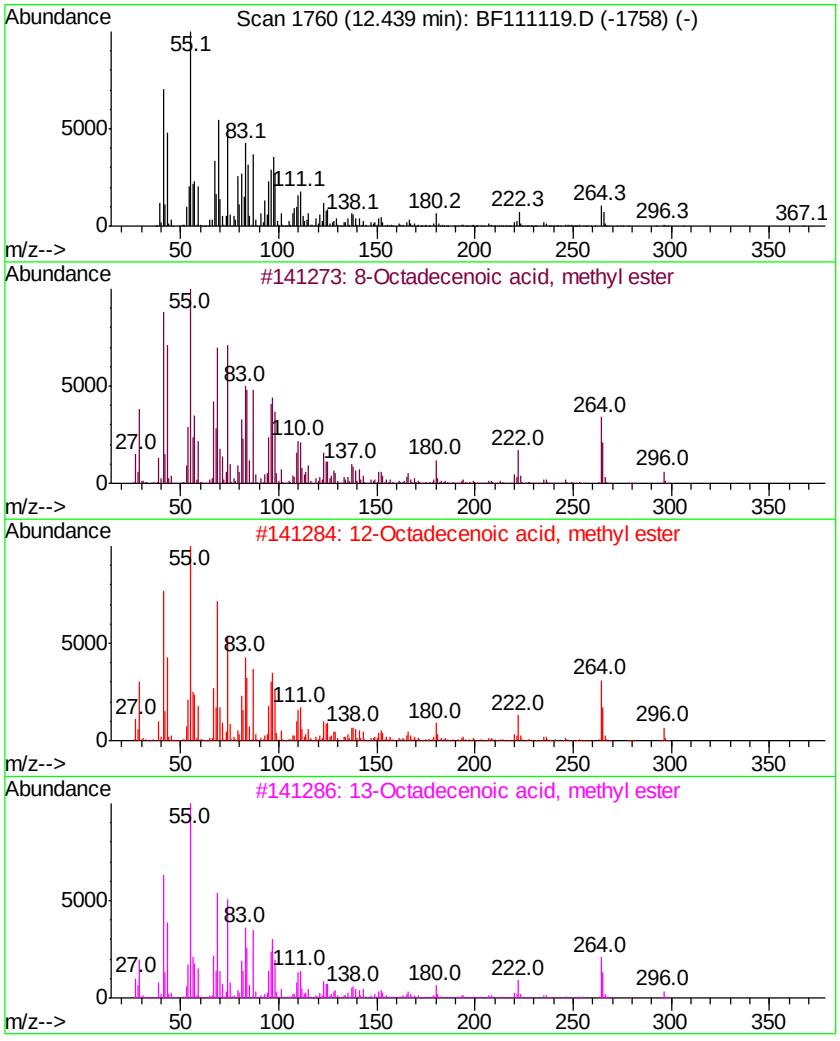
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

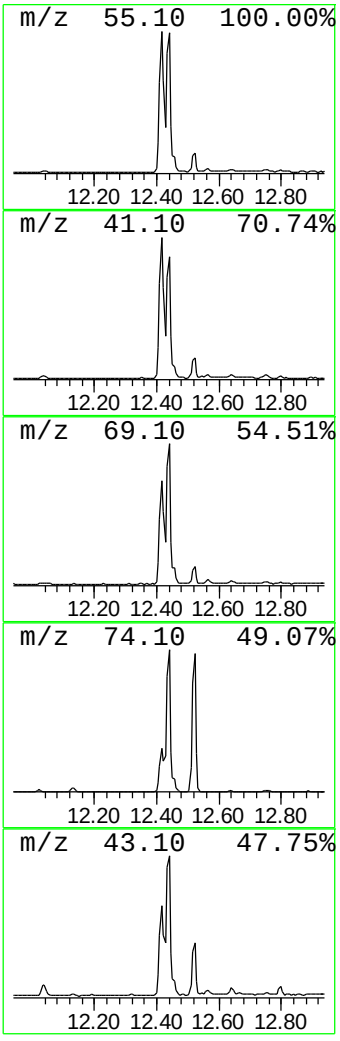
**********

Peak Number 11 8-Octadecenoic acid, methyl... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.44 | 73.19 ng | 13113800 | Phenanthrene-d10 | 11.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 8-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 002345-29-1 | 99 |
| 2 | 12-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-46-2 | 99 |
| 3 | 13-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-47-3 | 99 |
| 4 | 14-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-48-4 | 99 |
| 5 | 9-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 002462-84-2 | 98 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120518\
Data File : BF111119.D
Acq On : 5 Dec 2018 20:49
Operator : JU/SJ
Sample : J5764-29 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-113018-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

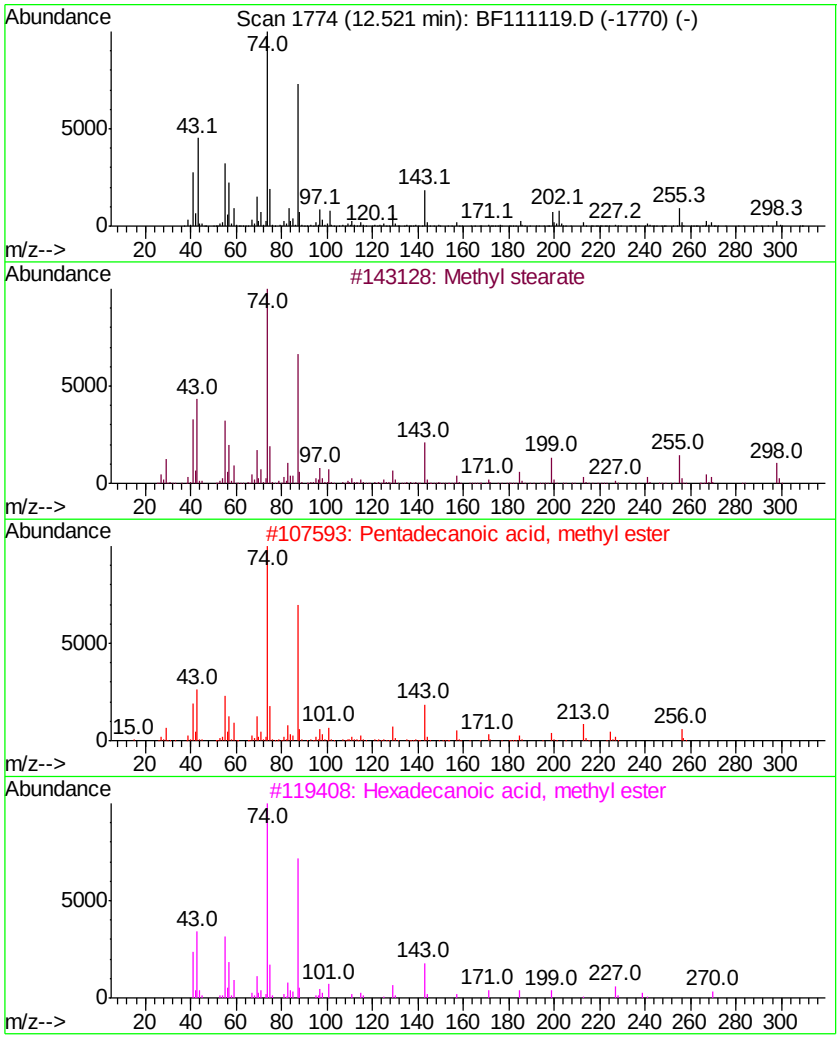
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

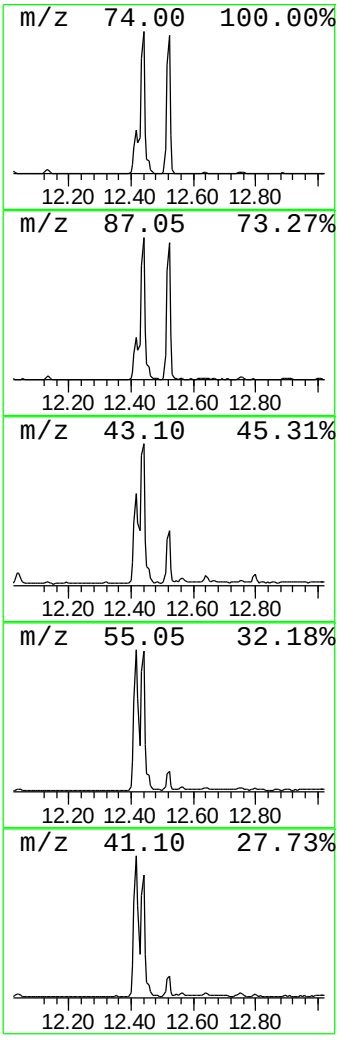
**********

Peak Number 12 Methyl stearate Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.52 | 15.23 ng | 2728350 | Phenanthrene-d10 | 11.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl stearate | 298 | C19H38O2 | 000112-61-8 | 97 |
| 2 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 90 |
| 3 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 90 |
| 4 | Heptadecanoic acid, methyl ester | 284 | C18H36O2 | 001731-92-6 | 87 |
| 5 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 86 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120518\
Data File : BF111119.D
Acq On : 5 Dec 2018 20:49
Operator : JU/SJ
Sample : J5764-29 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-113018-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

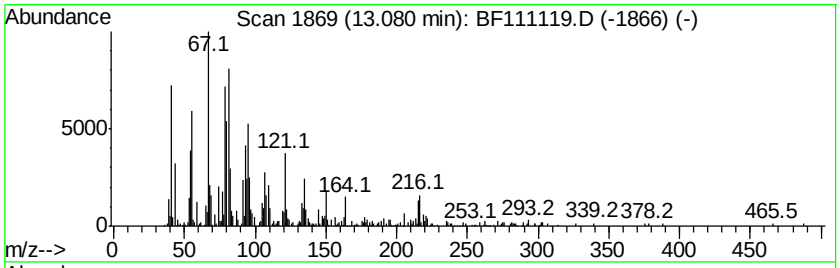
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

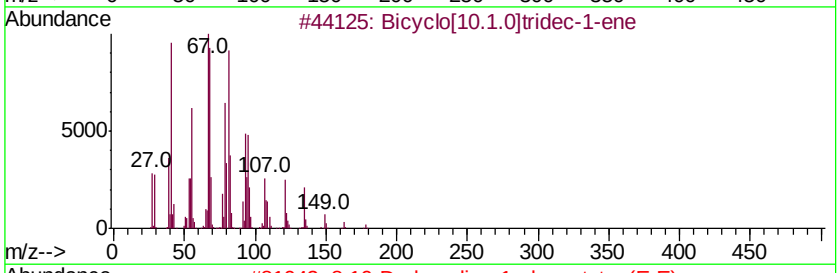
**********

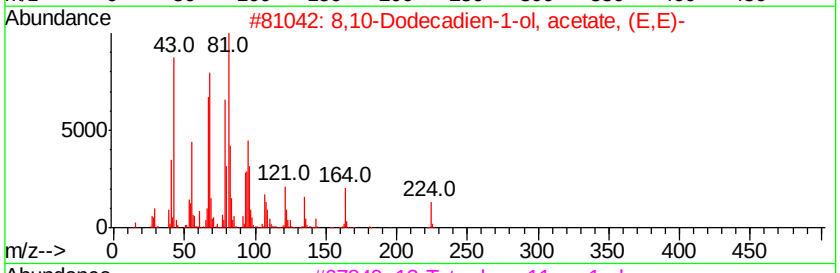
Peak Number 13 Bicyclo[10.1.0]tridec-1-ene Concentration Rank 18

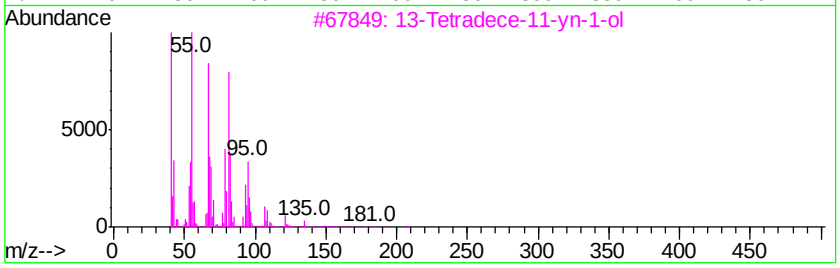
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.08 | 2.16 ng | 323574 | Chrysene-d12 | 13.96 |

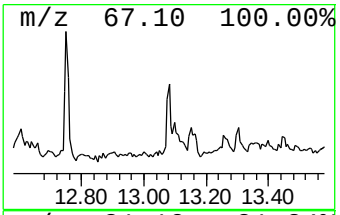
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[10.1.0]tridec-1-ene | 178 | C13H22 | 054766-91-5 | 93 |
| 2 | 8,10-Dodecadien-1-ol, acetate, (... | 224 | C14H24O2 | 053880-51-6 | 70 |
| 3 | 13-Tetradece-11-yn-1-ol | 208 | C14H24O | 1000131-00-4 | 60 |
| 4 | 9,12,15-Octadecatrienoic acid, m... | 292 | C19H32O2 | 000301-00-8 | 60 |
| 5 | Bicyclo[6.1.0]non-1-ene | 122 | C9H14 | 002570-06-1 | 53 |

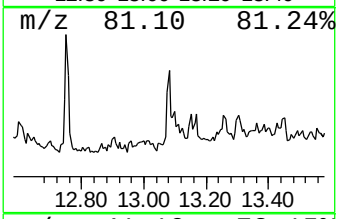


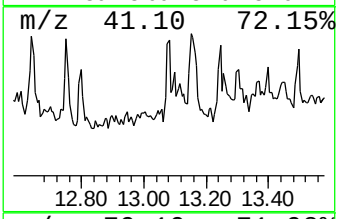



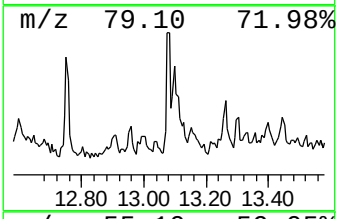



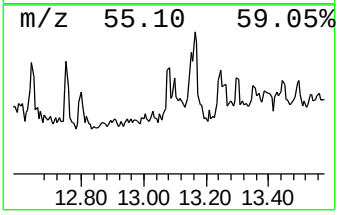



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120518\
Data File : BF111119.D
Acq On : 5 Dec 2018 20:49
Operator : JU/SJ
Sample : J5764-29 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-113018-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

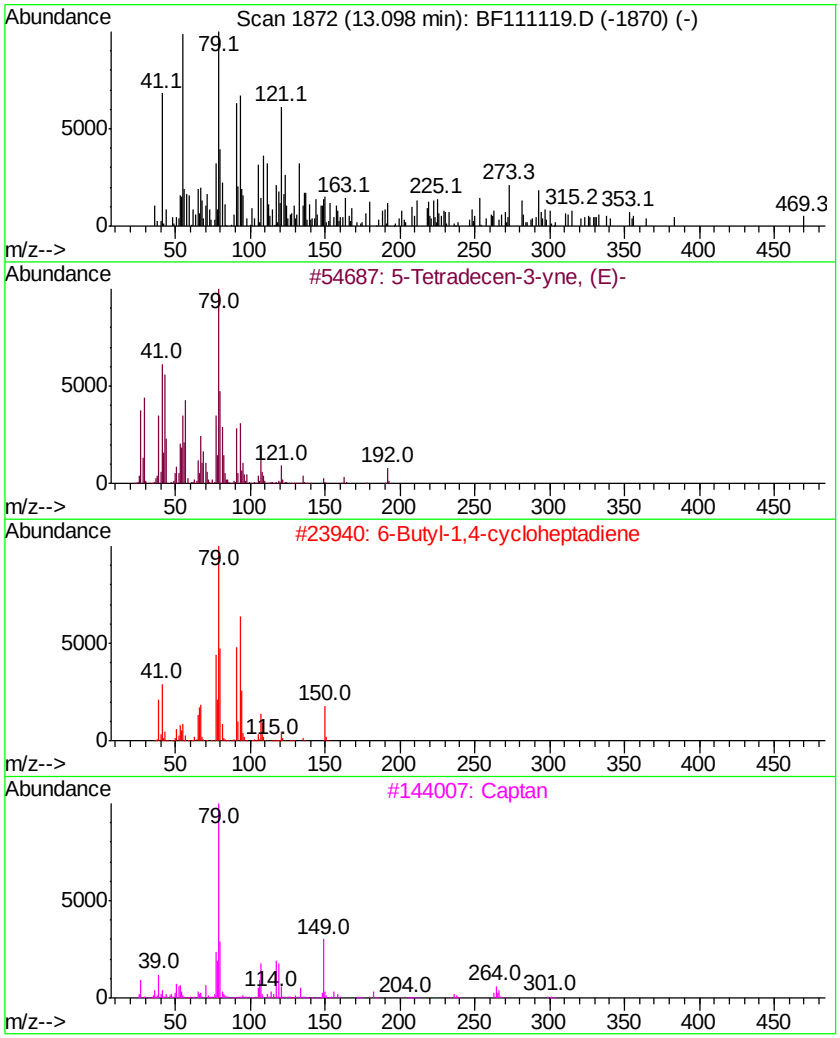
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

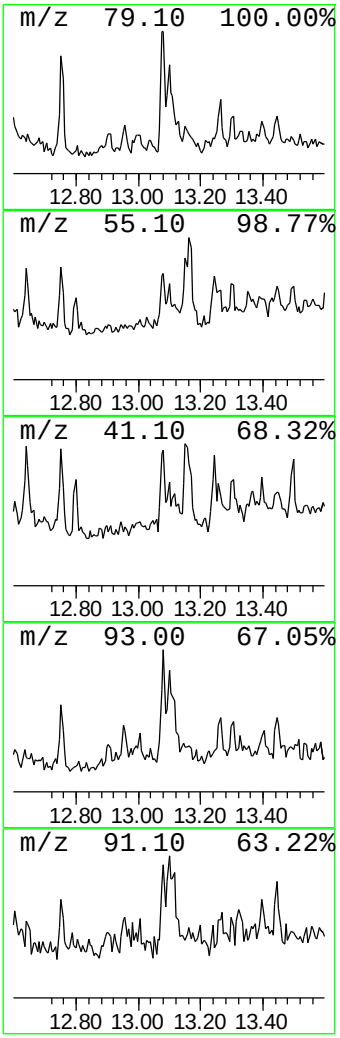
**********

Peak Number 14 5-Tetradecen-3-yne, (E)- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.10 | 2.36 ng | 352727 | Chrysene-d12 | 13.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Tetradecen-3-yne, (E)- | 192 | C14H24 | 074744-48-2 | 60 |
| 2 | 6-Butyl-1,4-cycloheptadiene | 150 | C11H18 | 022735-58-6 | 49 |
| 3 | Captan | 299 | C9H8Cl3NO2S | 000133-06-2 | 46 |
| 4 | Methyl 6-cis,9-cis,11-trans-octa... | 292 | C19H32O2 | 1000336-37-7 | 41 |
| 5 | 5-Undecen-3-yne, (Z)- | 150 | C11H18 | 074744-30-2 | 35 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120518\
Data File : BF111119.D
Acq On : 5 Dec 2018 20:49
Operator : JU/SJ
Sample : J5764-29 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-113018-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

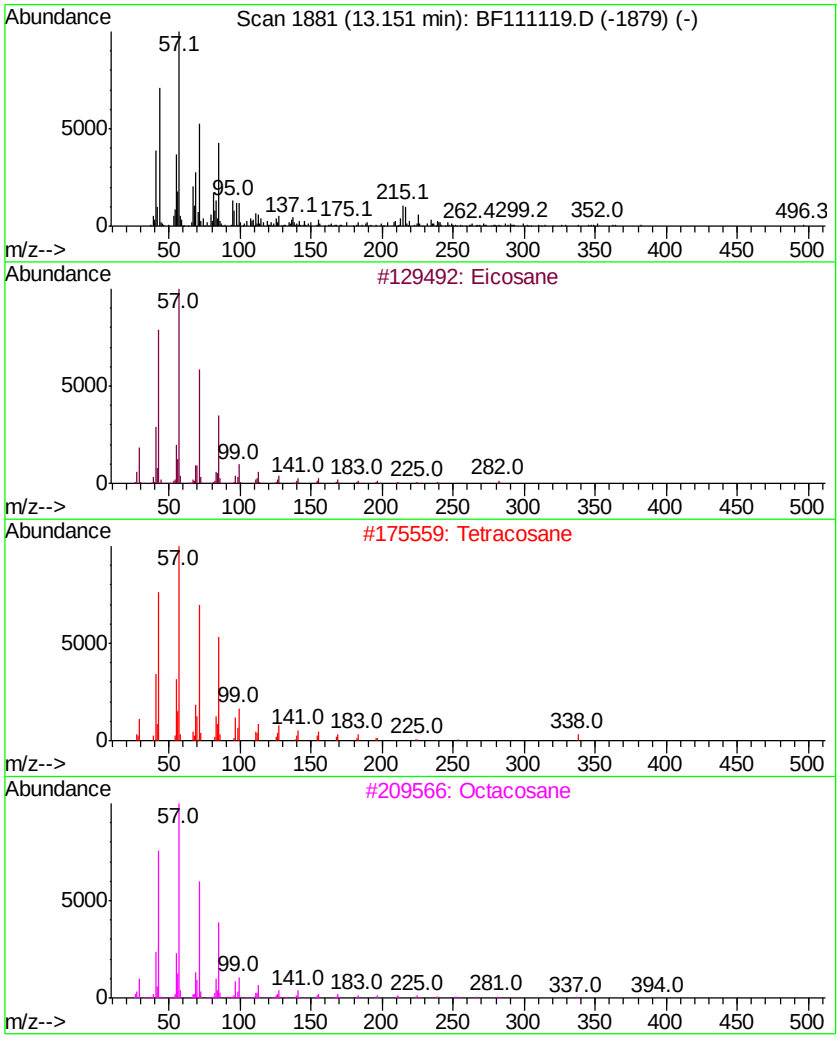
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

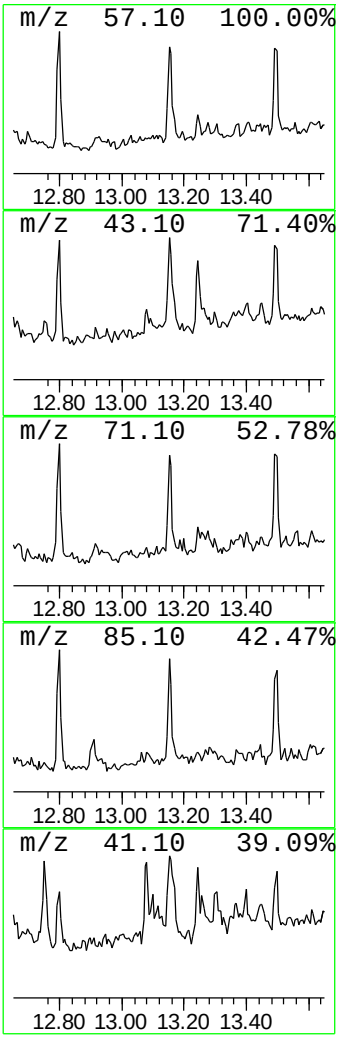
**********

Peak Number 15 Eicosane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.15 | 3.36 ng | 503159 | Chrysene-d12 | 13.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 64 |
| 2 | Tetracosane | 338 | C24H50 | 000646-31-1 | 60 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 58 |
| 4 | Heptadecane | 240 | C17H36 | 000629-78-7 | 58 |
| 5 | Docosane | 310 | C22H46 | 000629-97-0 | 52 |



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Data File : BF111119.D
Acq On : 5 Dec 2018 20:49
Operator : JU/SJ
Sample : J5764-29 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-113018-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

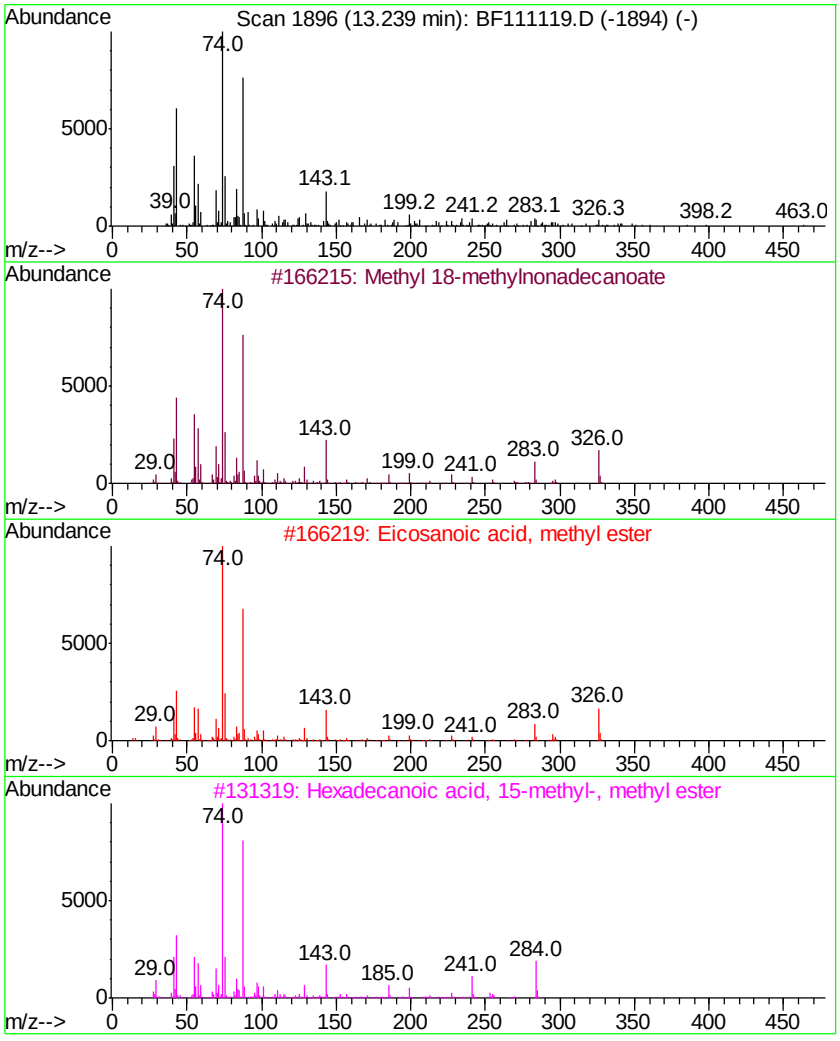
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

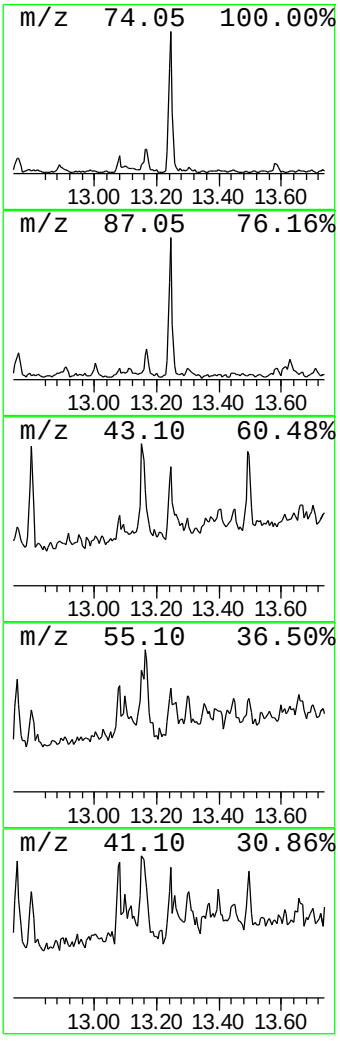
**********

Peak Number 16 Methyl 18-methylnonadecanoate Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.24 | 2.23 ng | 333783 | Chrysene-d12 | 13.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl 18-methylnonadecanoate | 326 | C21H42O2 | 1000352-20-6 | 93 |
| 2 | Eicosanoic acid, methyl ester | 326 | C21H42O2 | 001120-28-1 | 93 |
| 3 | Hexadecanoic acid, 15-methyl-, m... | 284 | C18H36O2 | 006929-04-0 | 93 |
| 4 | Heptadecanoic acid, methyl ester | 284 | C18H36O2 | 001731-92-6 | 91 |
| 5 | Nonadecanoic acid, methyl ester | 312 | C20H40O2 | 001731-94-8 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120518\
Data File : BF111119.D
Acq On : 5 Dec 2018 20:49
Operator : JU/SJ
Sample : J5764-29 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-113018-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

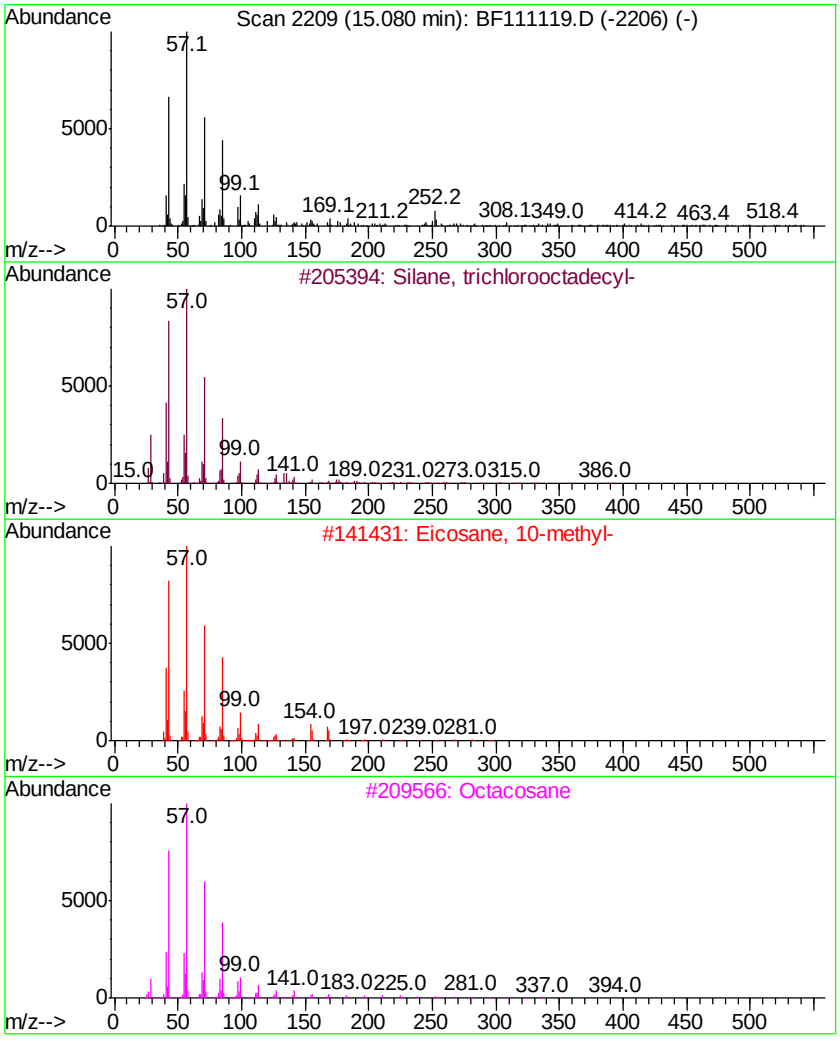
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

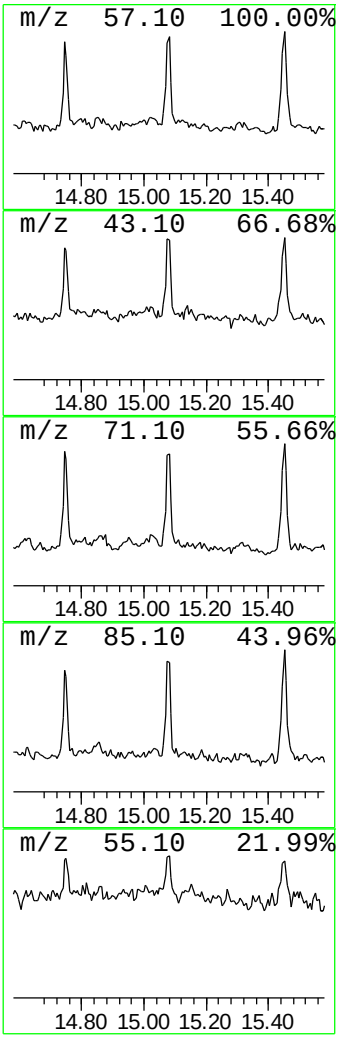
**********

Peak Number 19 Silane, trichlorooctadecyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.08 | 4.47 ng | 429211 | Perylene-d12 | 15.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, trichlorooctadecyl- | 386 | C18H37Cl3Si | 000112-04-9 | 90 |
| 2 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 81 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 81 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 74 |
| 5 | Docosane | 310 | C22H46 | 000629-97-0 | 74 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120518\
Data File : BF111119.D
Acq On : 5 Dec 2018 20:49
Operator : JU/SJ
Sample : J5764-29 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-113018-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.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 |
| unknown6.57 | 6.57 | 35.9 | ng | 6130240 | 1 | 6.80 | 3411990 | 20.0 |
| Hexadecane | 10.28 | 2.3 | ng | 513266 | 3 | 9.84 | 4538800 | 20.0 |
| Tridecane | 10.76 | 3.5 | ng | 618682 | 4 | 11.32 | 3583270 | 20.0 |
| Bacchotricuneatin c | 11.20 | 2.5 | ng | 456139 | 4 | 11.32 | 3583270 | 20.0 |
| Pentadecanoic aci... | 11.73 | 32.6 | ng | 5841670 | 4 | 11.32 | 3583270 | 20.0 |
| n-Hexadecanoic acid | 11.86 | 2.5 | ng | 444948 | 4 | 11.32 | 3583270 | 20.0 |
| Heptadecane | 12.04 | 2.2 | ng | 391482 | 4 | 11.32 | 3583270 | 20.0 |
| 10,13-Octadecadie... | 12.42 | 103.3 | ng | 18514400 | 4 | 11.32 | 3583270 | 20.0 |
| 8-Octadecenoic ac... | 12.44 | 73.2 | ng | 13113800 | 4 | 11.32 | 3583270 | 20.0 |
| Methyl stearate | 12.52 | 15.2 | ng | 2728350 | 4 | 11.32 | 3583270 | 20.0 |
| Bicyclo[10.1.0]tr... | 13.08 | 2.2 | ng | 323574 | 5 | 13.96 | 2993160 | 20.0 |
| 5-Tetradecen-3-yn... | 13.10 | 2.4 | ng | 352727 | 5 | 13.96 | 2993160 | 20.0 |
| Eicosane | 13.15 | 3.4 | ng | 503159 | 5 | 13.96 | 2993160 | 20.0 |
| Methyl 18-methyln... | 13.24 | 2.2 | ng | 333783 | 5 | 13.96 | 2993160 | 20.0 |
| Silane, trichloro... | 15.08 | 4.5 | ng | 429211 | 6 | 15.39 | 1918970 | 20.0 |