LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111459.D
Acq On : 15 Dec 2018 10:55
Operator : JU/SJ
Sample : J6208-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-1

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-BF121418.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.240 | 193 | 196 | 218 | rBV | 81546 | 187986 | 2.16% | 0.223% |
| 2 | 5.004 | 493 | 496 | 502 | rVB | 166616 | 223120 | 2.57% | 0.265% |
| 3 | 5.422 | 562 | 567 | 571 | rBV | 4025570 | 4236070 | 48.72% | 5.030% |
| 4 | 6.439 | 735 | 740 | 757 | rBV | 4069645 | 4878047 | 56.10% | 5.792% |
| 5 | 6.569 | 757 | 762 | 765 | rBV | 4802752 | 4438802 | 51.05% | 5.271% |
| 6 | 6.792 | 796 | 800 | 804 | rBV | 1159972 | 922588 | 10.61% | 1.095% |
| 7 | 6.951 | 823 | 827 | 830 | rBV | 3821617 | 3215886 | 36.98% | 3.819% |
| 8 | 7.357 | 890 | 896 | 899 | rBV | 2921869 | 2860316 | 32.89% | 3.396% |
| 9 | 8.075 | 1014 | 1018 | 1021 | rBV | 1494028 | 1168656 | 13.44% | 1.388% |
| 10 | 9.151 | 1196 | 1201 | 1204 | rBV | 4628767 | 3994655 | 45.94% | 4.743% |
| 11 | 9.545 | 1264 | 1268 | 1271 | rBV | 488438 | 415115 | 4.77% | 0.493% |
| 12 | 9.827 | 1310 | 1316 | 1320 | rBV | 1504678 | 1335987 | 15.36% | 1.586% |
| 13 | 10.045 | 1347 | 1353 | 1360 | rBV2 | 186350 | 233508 | 2.69% | 0.277% |
| 14 | 10.621 | 1446 | 1451 | 1454 | rBV | 2766822 | 2741952 | 31.53% | 3.256% |
| 15 | 10.986 | 1509 | 1513 | 1521 | rVB | 220585 | 265178 | 3.05% | 0.315% |
| 16 | 11.316 | 1565 | 1569 | 1571 | rBV | 1371224 | 1327035 | 15.26% | 1.576% |
| 17 | 11.333 | 1571 | 1572 | 1576 | rVV | 320460 | 244933 | 2.82% | 0.291% |
| 18 | 11.527 | 1592 | 1605 | 1606 | rBV | 507956 | 1353432 | 15.56% | 1.607% |
| 19 | 11.704 | 1633 | 1635 | 1643 | rBV5 | 44156 | 88299 | 1.02% | 0.105% |
| 20 | 11.780 | 1643 | 1648 | 1649 | rBV4 | 103573 | 138422 | 1.59% | 0.164% |
| 21 | 11.874 | 1651 | 1664 | 1670 | rVV | 4670648 | 8695445 | 100.00% | 10.325% |
| 22 | 12.521 | 1771 | 1774 | 1777 | rBV | 632539 | 669071 | 7.69% | 0.794% |
| 23 | 12.562 | 1778 | 1781 | 1788 | rVV2 | 687965 | 999107 | 11.49% | 1.186% |
| 24 | 12.645 | 1788 | 1795 | 1802 | rVV | 3294126 | 4930057 | 56.70% | 5.854% |
| 25 | 12.727 | 1803 | 1809 | 1811 | rVV2 | 667421 | 1364305 | 15.69% | 1.620% |
| 26 | 12.751 | 1811 | 1813 | 1817 | rVB | 674802 | 614296 | 7.06% | 0.729% |
| 27 | 12.857 | 1823 | 1831 | 1835 | rBV | 1687781 | 3837388 | 44.13% | 4.557% |
| 28 | 12.904 | 1835 | 1839 | 1842 | rVB | 3397625 | 3370291 | 38.76% | 4.002% |
| 29 | 13.021 | 1853 | 1859 | 1864 | rVB3 | 166928 | 356378 | 4.10% | 0.423% |
| 30 | 13.133 | 1875 | 1878 | 1882 | rVB3 | 151119 | 202452 | 2.33% | 0.240% |
| 31 | 13.351 | 1912 | 1915 | 1922 | rBV4 | 122117 | 228949 | 2.63% | 0.272% |
| 32 | 13.451 | 1929 | 1932 | 1935 | rBV | 91874 | 99669 | 1.15% | 0.118% |
| 33 | 13.645 | 1957 | 1965 | 1970 | rBV | 2828903 | 4740340 | 54.52% | 5.629% |
| 34 | 13.804 | 1988 | 1992 | 2000 | rVB3 | 485553 | 721713 | 8.30% | 0.857% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111459.D
Acq On : 15 Dec 2018 10:55
Operator : JU/SJ
Sample : J6208-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-1

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-BF121418.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.951 | 2012 | 2017 | 2020 | rBV2 | 1125174 | 1257937 | 14.47% | 1.494% |
| 36 | 13.974 | 2020 | 2021 | 2024 | rVB | 204954 | 113859 | 1.31% | 0.135% |
| 37 | 14.239 | 2058 | 2066 | 2071 | rBV | 2892249 | 4474767 | 51.46% | 5.313% |
| 38 | 14.427 | 2095 | 2098 | 2105 | rBV5 | 94555 | 172460 | 1.98% | 0.205% |
| 39 | 14.545 | 2115 | 2118 | 2125 | rVB2 | 87658 | 132034 | 1.52% | 0.157% |
| 40 | 14.739 | 2144 | 2151 | 2157 | rBV | 2385702 | 3943295 | 45.35% | 4.682% |
| 41 | 14.974 | 2187 | 2191 | 2199 | rVB | 201061 | 373382 | 4.29% | 0.443% |
| 42 | 15.056 | 2201 | 2205 | 2215 | rBV2 | 233111 | 600853 | 6.91% | 0.713% |
| 43 | 15.292 | 2237 | 2245 | 2249 | rBV | 1618218 | 2754828 | 31.68% | 3.271% |
| 44 | 15.327 | 2249 | 2251 | 2257 | rVV | 192338 | 200691 | 2.31% | 0.238% |
| 45 | 15.392 | 2257 | 2262 | 2265 | rVV | 712459 | 876582 | 10.08% | 1.041% |
| 46 | 15.427 | 2265 | 2268 | 2273 | rVB2 | 209257 | 293301 | 3.37% | 0.348% |
| 47 | 15.851 | 2336 | 2340 | 2342 | rBV | 157470 | 221397 | 2.55% | 0.263% |
| 48 | 15.898 | 2342 | 2348 | 2363 | rVB | 729272 | 1763598 | 20.28% | 2.094% |
| 49 | 16.621 | 2464 | 2471 | 2480 | rBV | 423879 | 955616 | 10.99% | 1.135% |
| 50 | 17.227 | 2570 | 2574 | 2581 | rVB2 | 67550 | 135102 | 1.55% | 0.160% |
| 51 | 17.462 | 2607 | 2614 | 2626 | rVB3 | 219124 | 675891 | 7.77% | 0.803% |
| 52 | 17.592 | 2632 | 2636 | 2647 | rVB3 | 74004 | 171445 | 1.97% | 0.204% |

Sum of corrected areas: 84216486

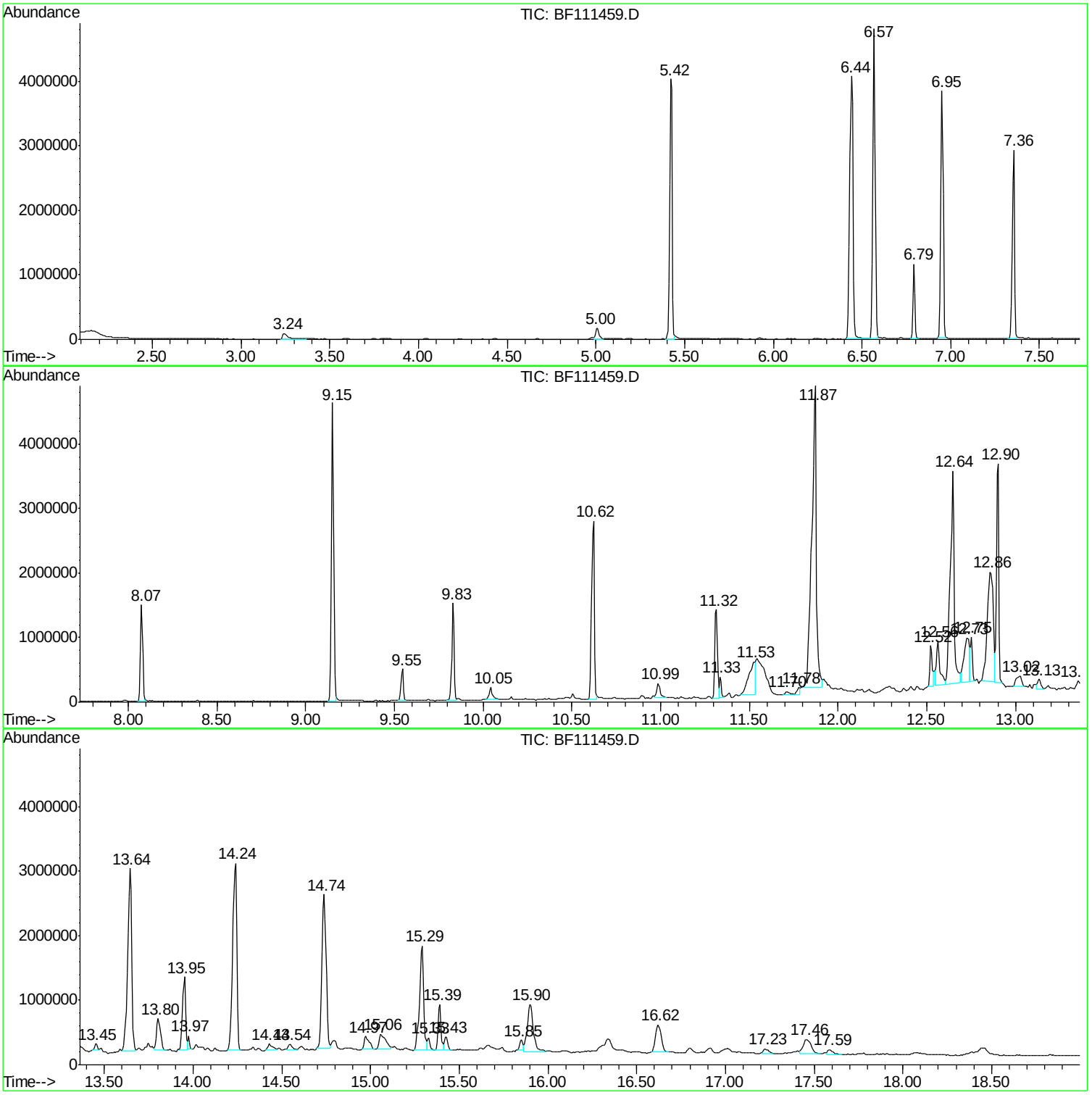
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111459.D
Acq On : 15 Dec 2018 10:55
Operator : JU/SJ
Sample : J6208-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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\BF121518\
Data File : BF111459.D
Acq On : 15 Dec 2018 10:55
Operator : JU/SJ
Sample : J6208-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

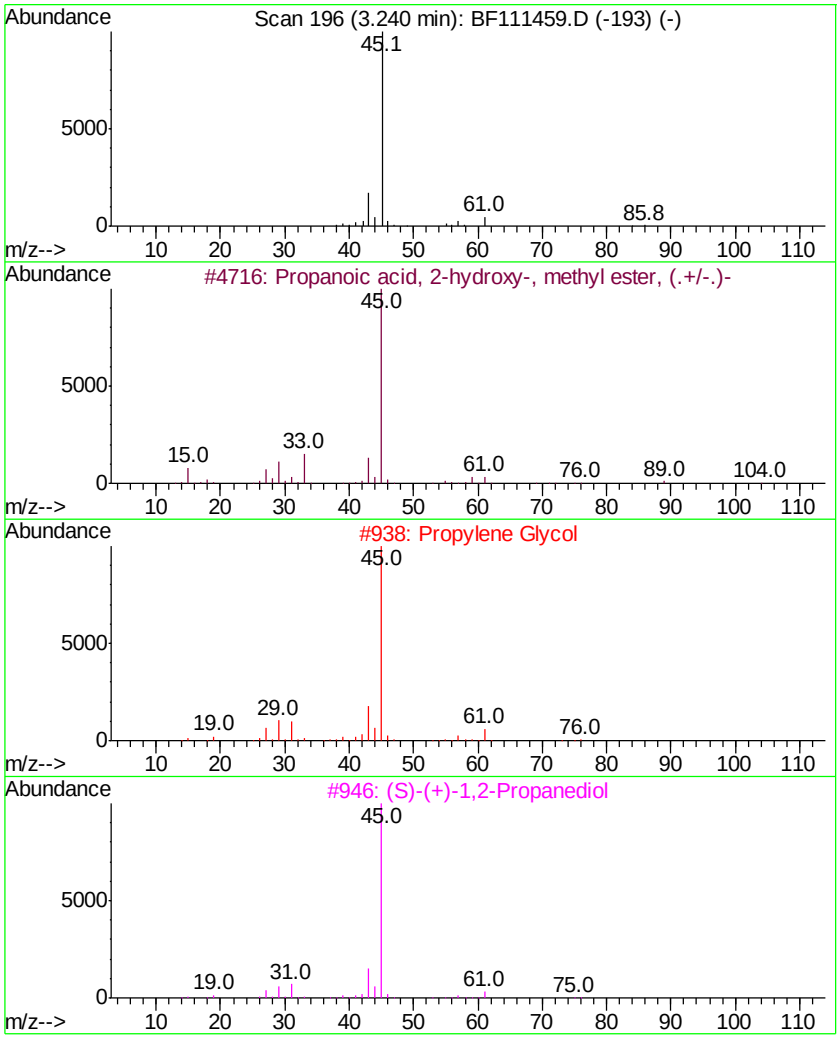
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

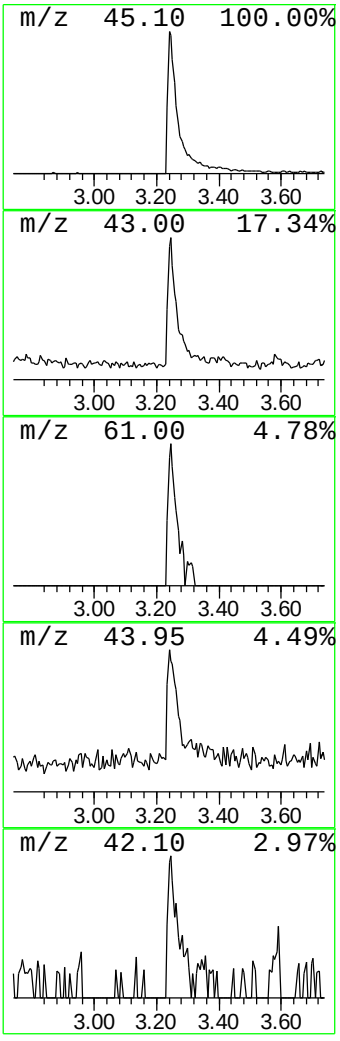
**********

Peak Number 1 unknown-01 Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.24 | 4.08 ng | 187986 | 1,4-Dichlorobenzene-d4 | 6.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanoic acid, 2-hydroxy-, meth... | 104 | C4H8O3 | 002155-30-8 | 43 |
| 2 | Propylene Glycol | 76 | C3H8O2 | 000057-55-6 | 43 |
| 3 | (S)-(+)-1,2-Propanediol | 76 | C3H8O2 | 004254-15-3 | 40 |
| 4 | Isopropyl Alcohol | 60 | C3H8O | 000067-63-0 | 9 |
| 5 | Propane, 2-ethoxy- | 88 | C5H12O | 000625-54-7 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111459.D
Acq On : 15 Dec 2018 10:55
Operator : JU/SJ
Sample : J6208-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-1

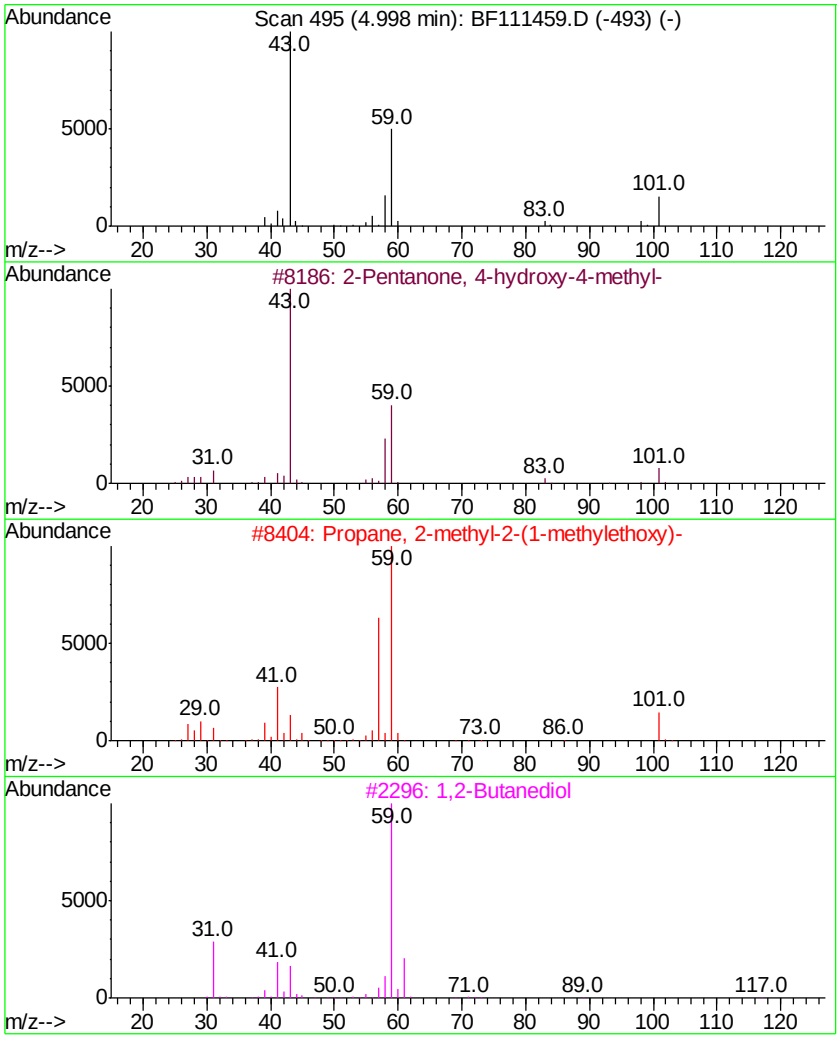
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

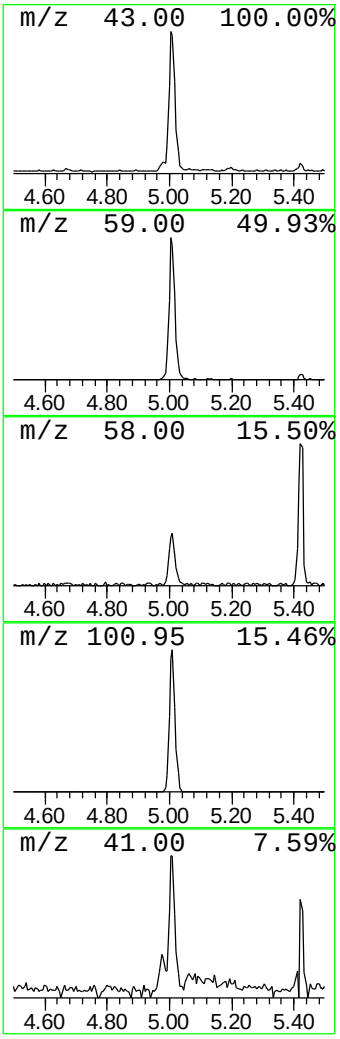
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.00 | 4.84 ng | 223120 | 1,4-Dichlorobenzene-d4 | 6.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O | 017348-59-3 | 42 |
| 3 | 1,2-Butanediol | 90 | C4H10O2 | 000584-03-2 | 28 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 5 | 1-Propen-2-ol, acetate | 100 | C5H8O2 | 000108-22-5 | 10 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111459.D
Acq On : 15 Dec 2018 10:55
Operator : JU/SJ
Sample : J6208-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

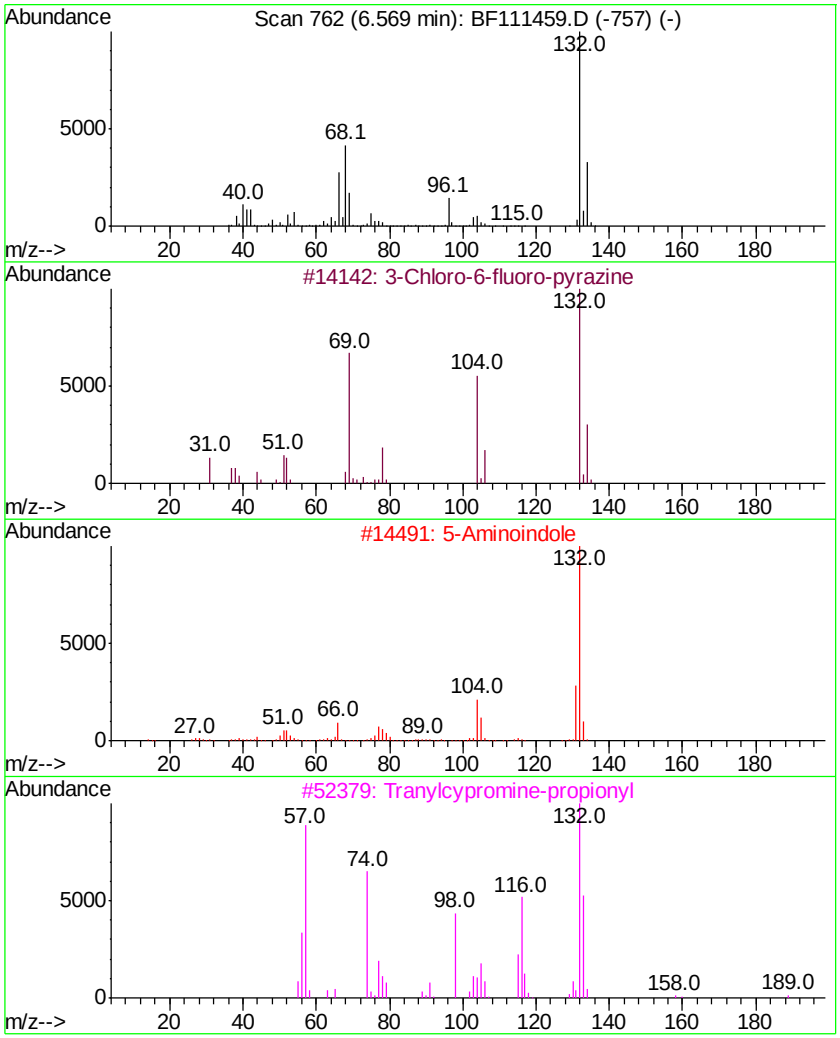
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

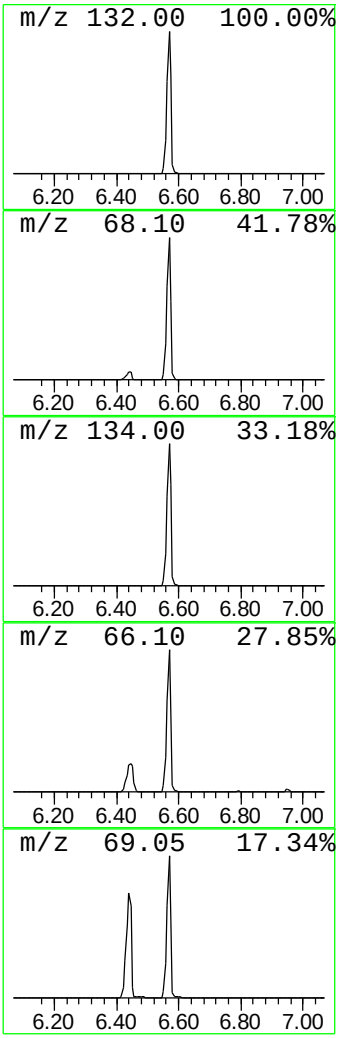
**********

Peak Number 3 unknown6.57 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.57 | 96.23 ng | 4438800 | 1,4-Dichlorobenzene-d4 | 6.79 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 4 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 9 |
| 5 | 1,3,5-Trifluorobenzene | 132 | C6H3F3 | 000372-38-3 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111459.D
Acq On : 15 Dec 2018 10:55
Operator : JU/SJ
Sample : J6208-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

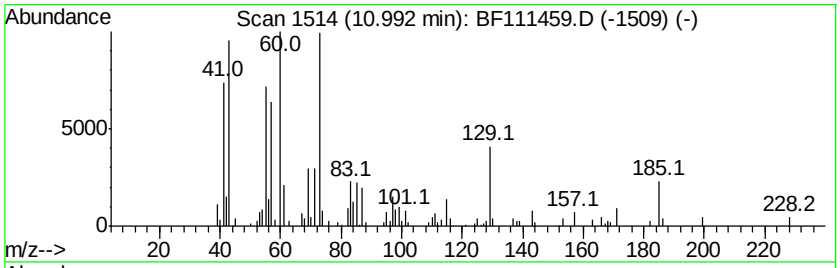
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

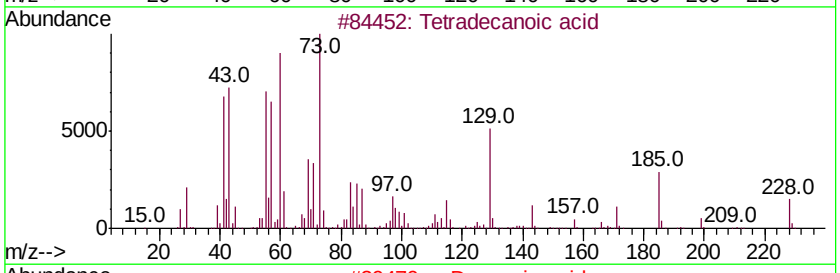
**********

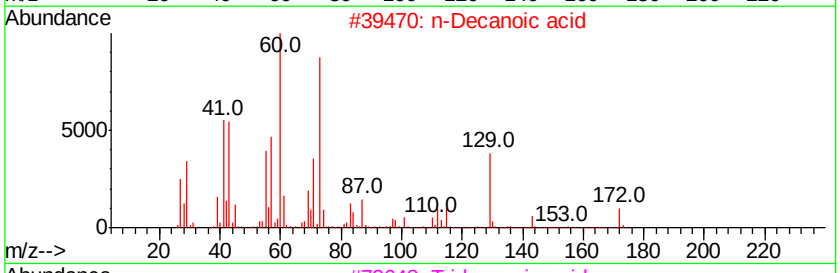
Peak Number 5 Tetradecanoic acid Concentration Rank 18

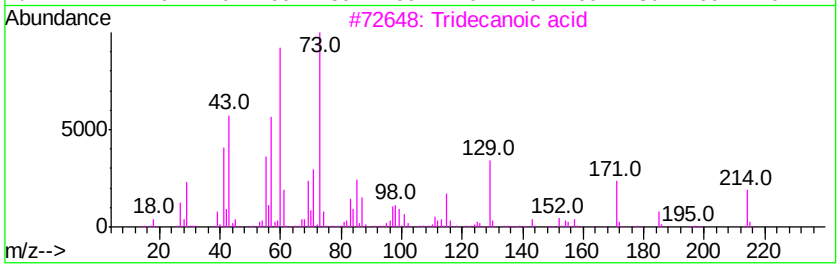
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.99 | 4.00 ng | 265178 | Phenanthrene-d10 | 11.32 |

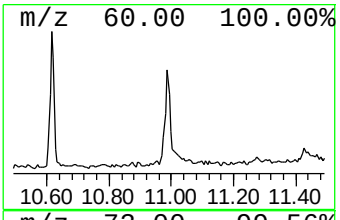
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 86 |
| 2 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 80 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 72 |
| 4 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 72 |
| 5 | .beta.-D-Mannofuranoside, 1-O-(1... | 332 | C17H32O6 | 1000155-29-9 | 11 |

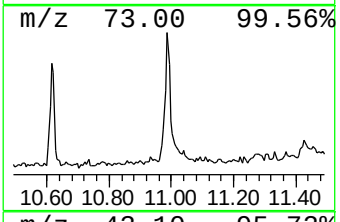


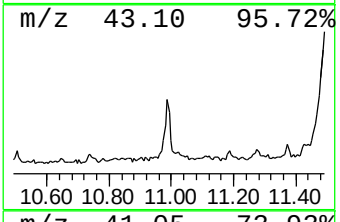



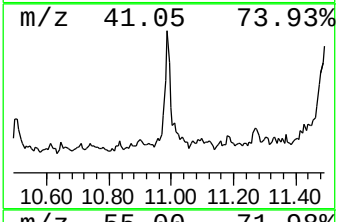



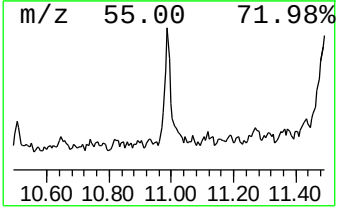



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111459.D
Acq On : 15 Dec 2018 10:55
Operator : JU/SJ
Sample : J6208-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

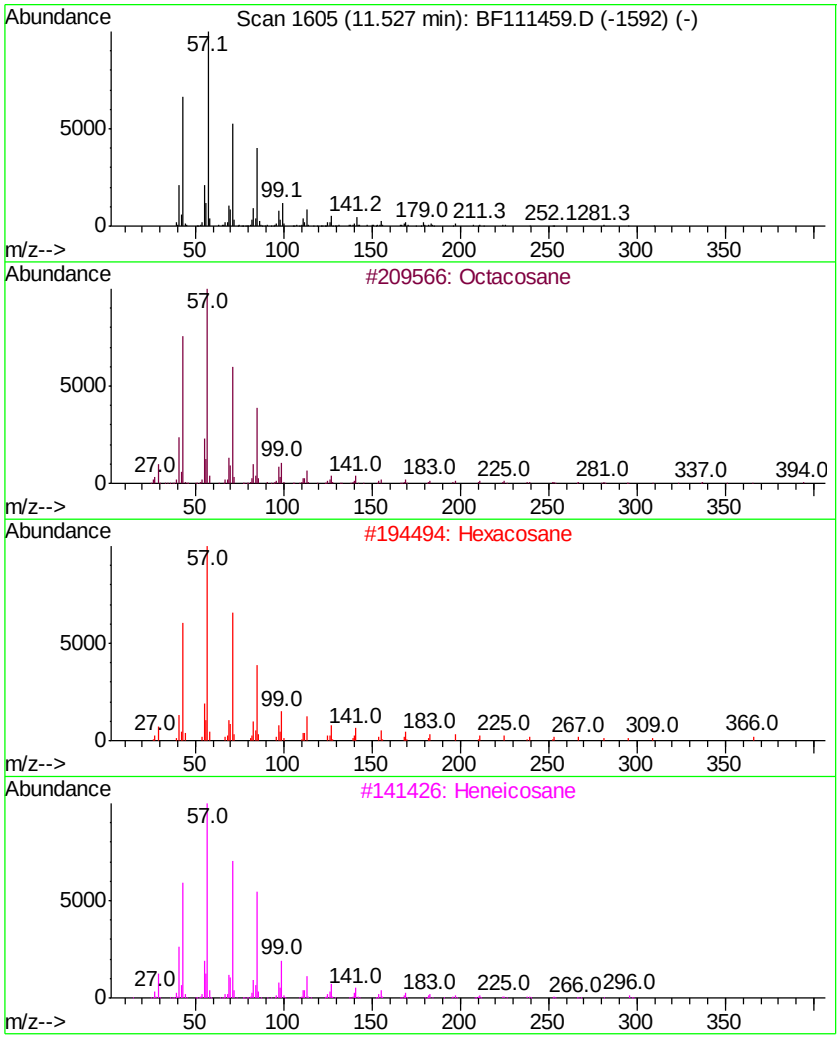
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

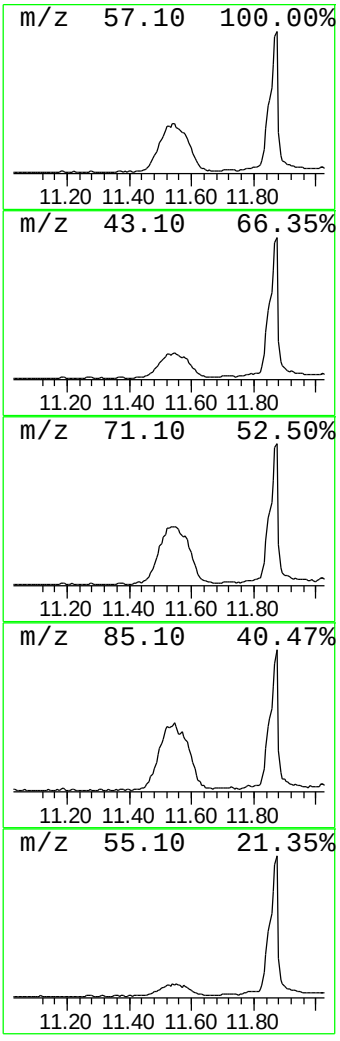
**********

Peak Number 6 Octacosane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.53 | 20.40 ng | 1353430 | Phenanthrene-d10 | 11.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 4 | Pentacosane | 352 | C25H52 | 000629-99-2 | 90 |
| 5 | Heneicosane, 11-decyl- | 437 | C31H64 | 055320-06-4 | 90 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111459.D
Acq On : 15 Dec 2018 10:55
Operator : JU/SJ
Sample : J6208-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

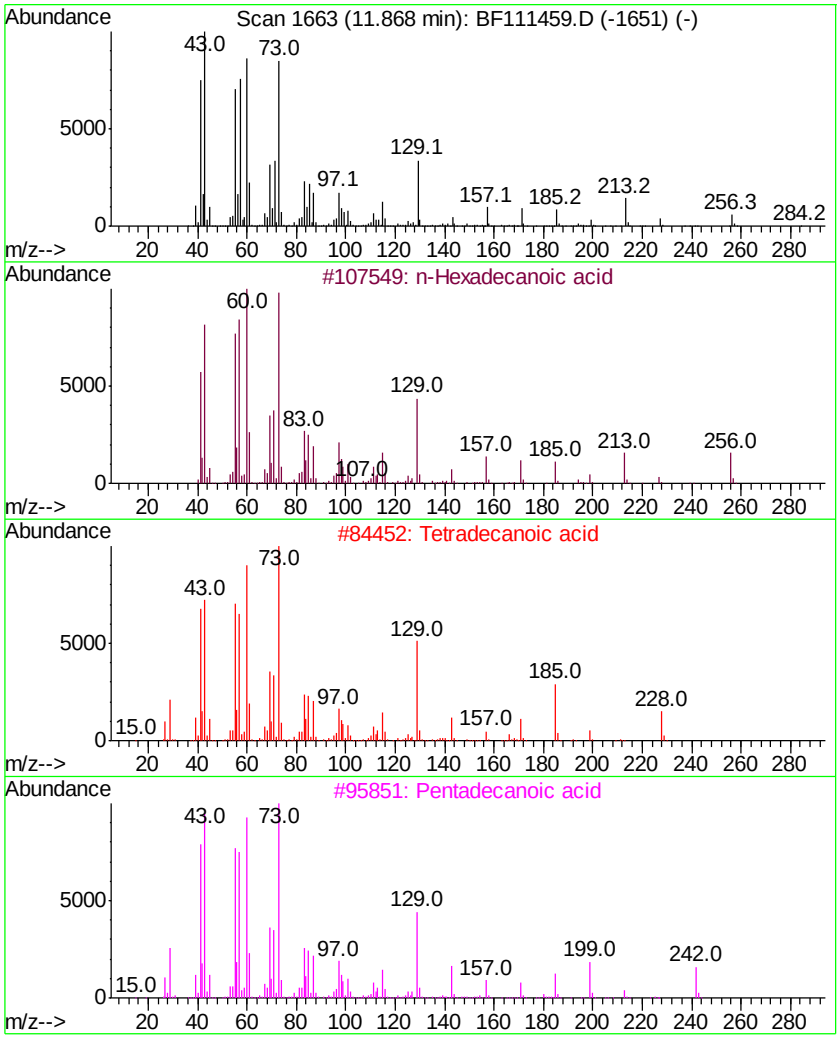
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

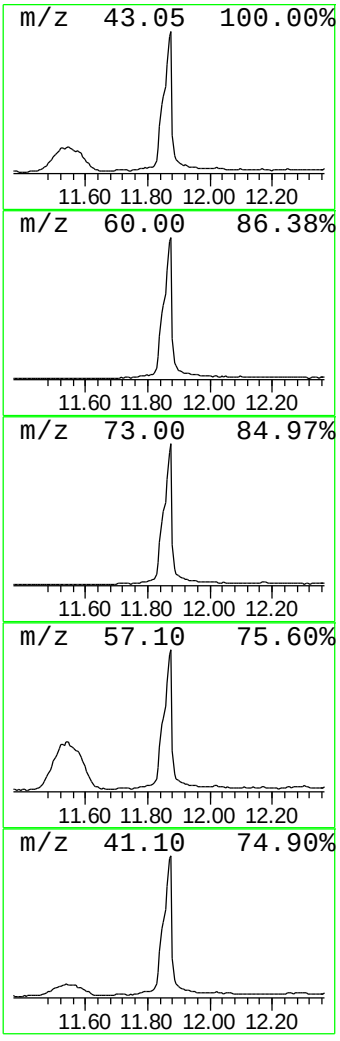
**********

Peak Number 7 n-Hexadecanoic acid Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.87 | 131.05 ng | 8695450 | Phenanthrene-d10 | 11.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 95 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 93 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 90 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 72 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 60 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111459.D
Acq On : 15 Dec 2018 10:55
Operator : JU/SJ
Sample : J6208-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

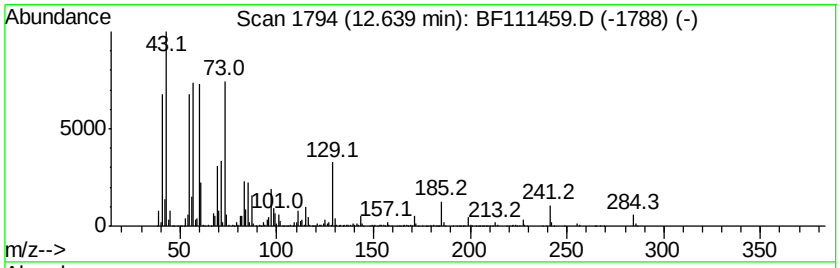
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

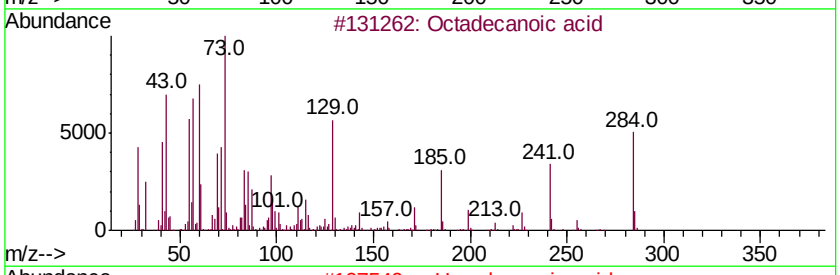
**********

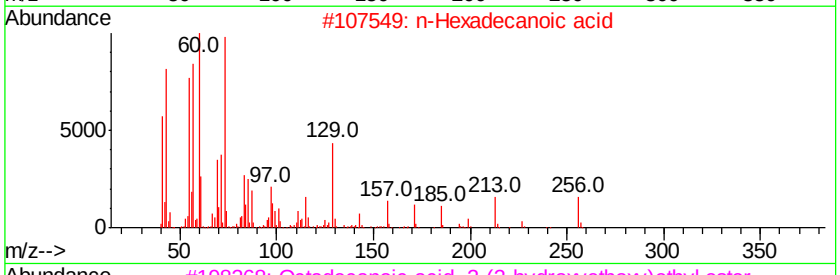
Peak Number 8 Octadecanoic acid Concentration Rank 4

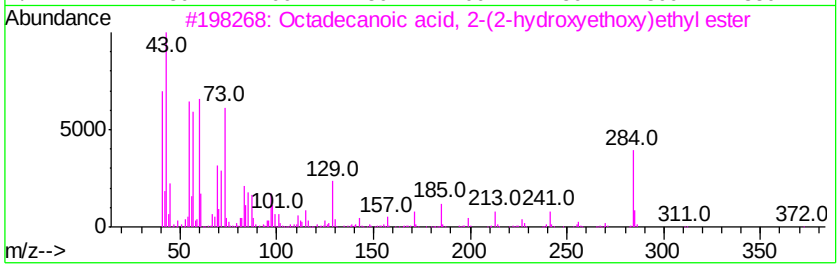
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.64 | 78.38 ng | 4930060 | Chrysene-d12 | 13.95 |

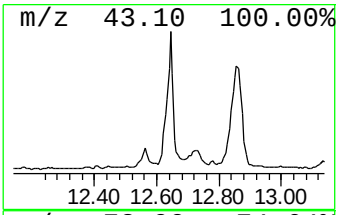
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 83 |
| 3 | Octadecanoic acid, 2-(2-hydroxye... | 372 | C22H44O4 | 000106-11-6 | 72 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 70 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 64 |

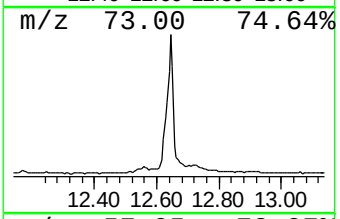


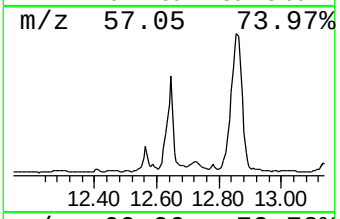



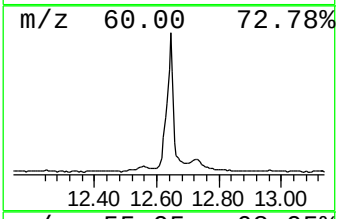



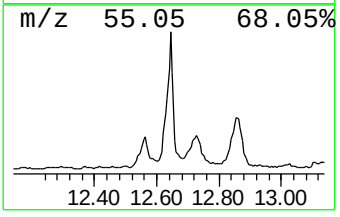



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111459.D
Acq On : 15 Dec 2018 10:55
Operator : JU/SJ
Sample : J6208-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

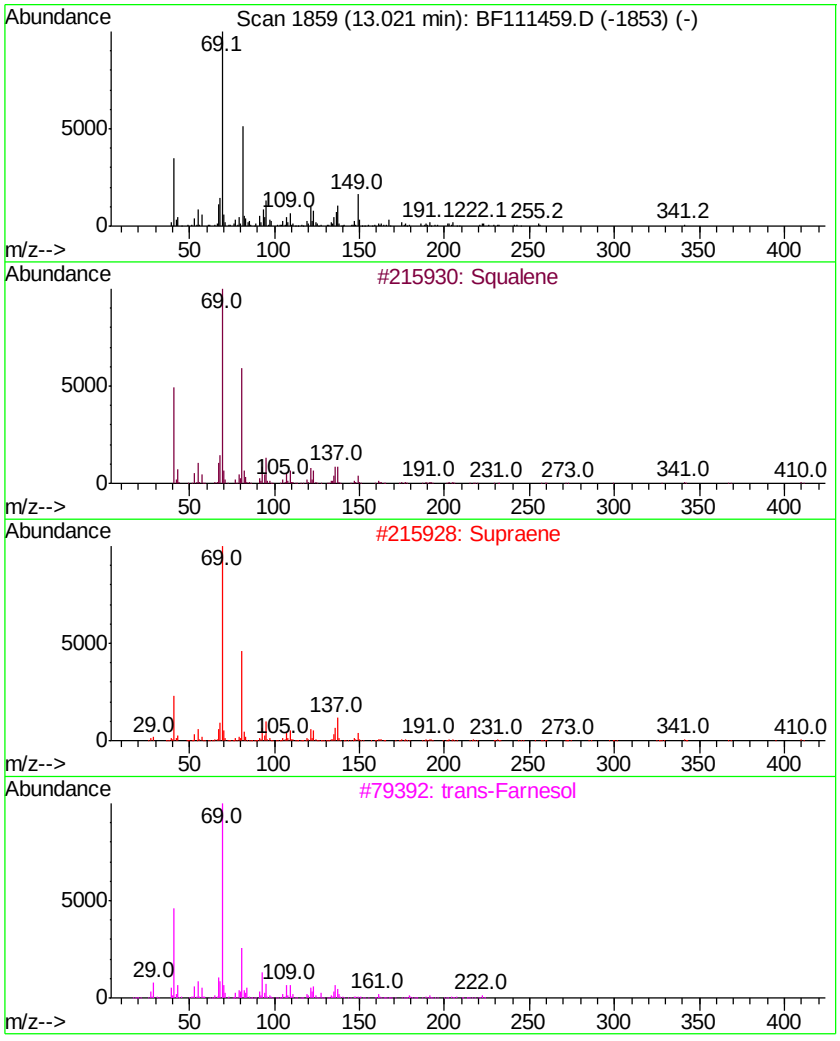
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

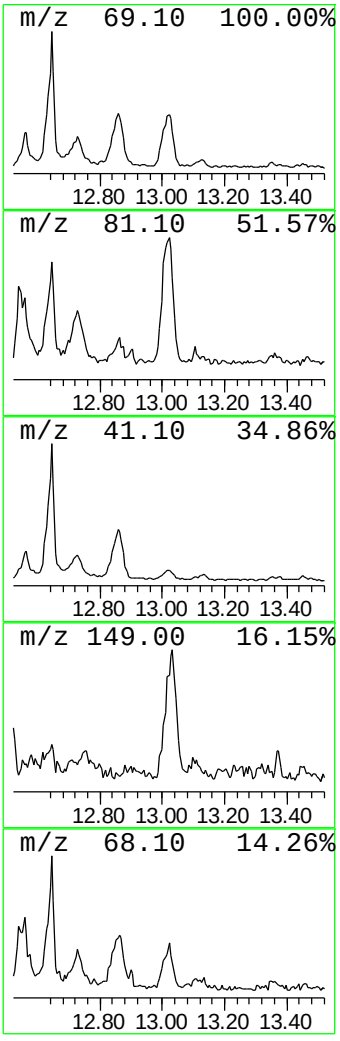
**********

Peak Number 9 Squalene Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.02 | 5.67 ng | 356378 | Chrysene-d12 | 13.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Squalene | 410 | C30H50 | 000111-02-4 | 87 |
| 2 | Supraene | 410 | C30H50 | 007683-64-9 | 87 |
| 3 | trans-Farnesol | 222 | C15H26O | 000106-28-5 | 81 |
| 4 | Farnesol (E), methyl ether | 236 | C16H28O | 1000352-67-3 | 64 |
| 5 | 4,8,12-Tetradecatrienal, 5,9,13-... | 248 | C17H28O | 066408-55-7 | 59 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111459.D
Acq On : 15 Dec 2018 10:55
Operator : JU/SJ
Sample : J6208-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

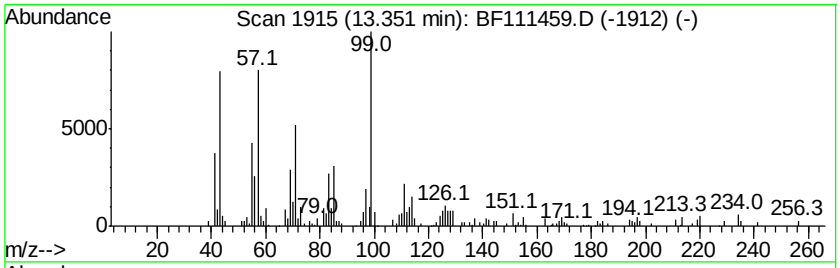
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

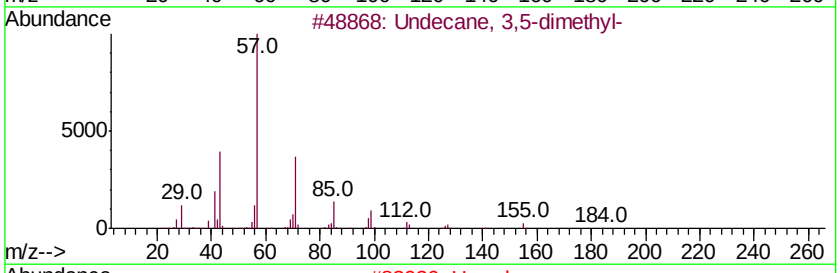
**********

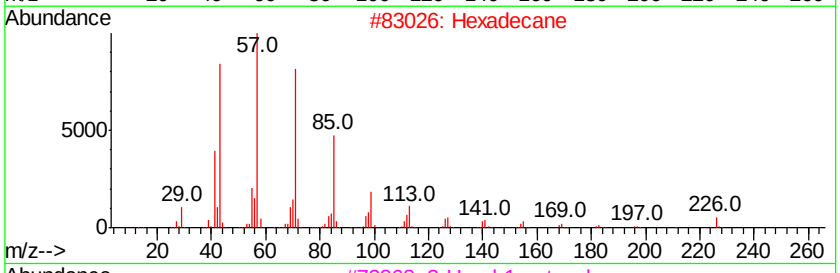
Peak Number 10 unknown13.35 Concentration Rank 20

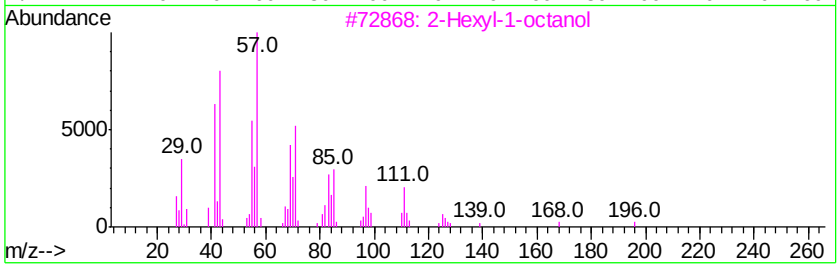
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.35 | 3.64 ng | 228949 | Chrysene-d12 | 13.95 |

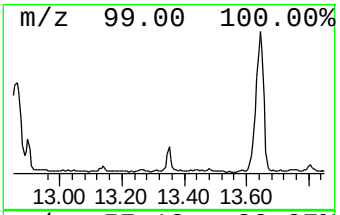
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane, 3,5-dimethyl- | 184 | C13H28 | 017312-81-1 | 41 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 38 |
| 3 | 2-Hexyl-1-octanol | 214 | C14H30O | 019780-79-1 | 38 |
| 4 | Decane, 3-methyl- | 156 | C11H24 | 013151-34-3 | 38 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 30 |

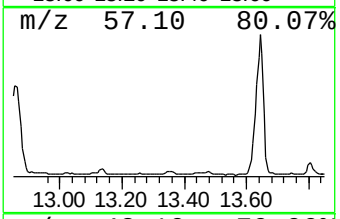


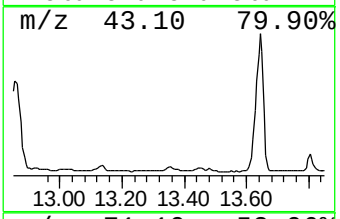



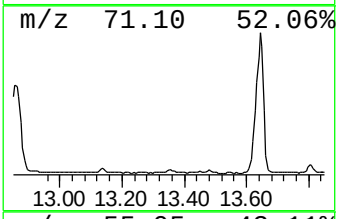



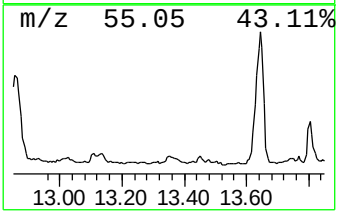



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111459.D
Acq On : 15 Dec 2018 10:55
Operator : JU/SJ
Sample : J6208-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

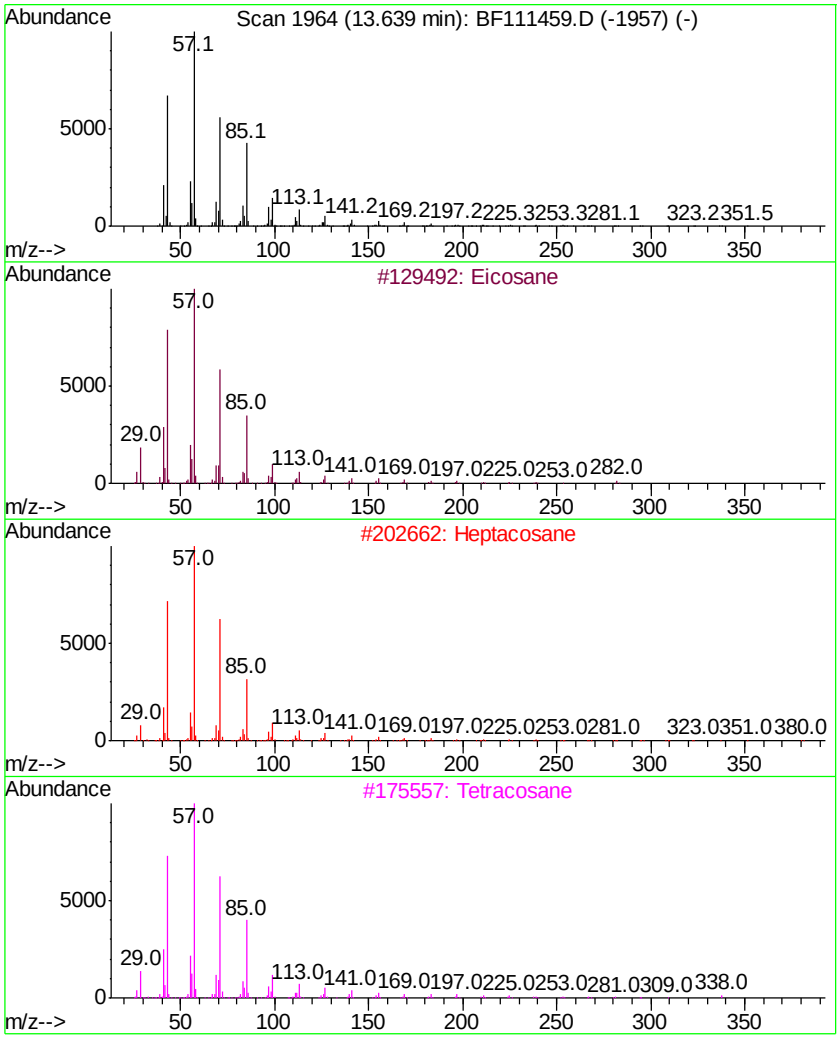
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

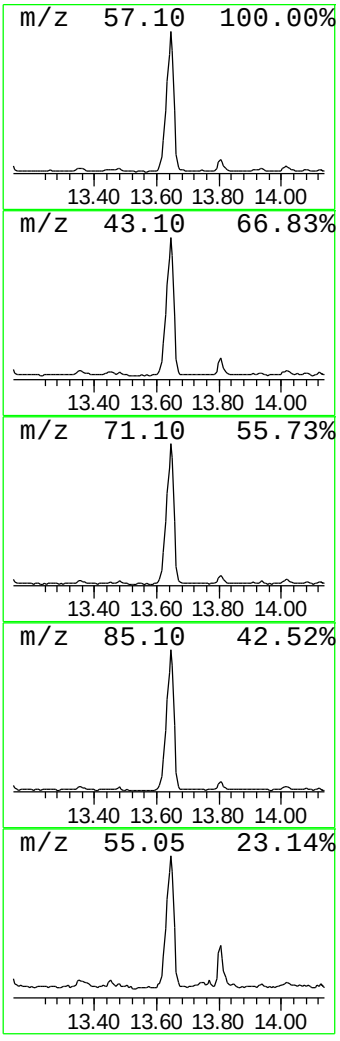
**********

Peak Number 11 Eicosane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.64 | 75.37 ng | 4740340 | Chrysene-d12 | 13.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 3 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |
| 4 | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 91 |
| 5 | Hexatriacontane | 507 | C36H74 | 000630-06-8 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111459.D
Acq On : 15 Dec 2018 10:55
Operator : JU/SJ
Sample : J6208-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

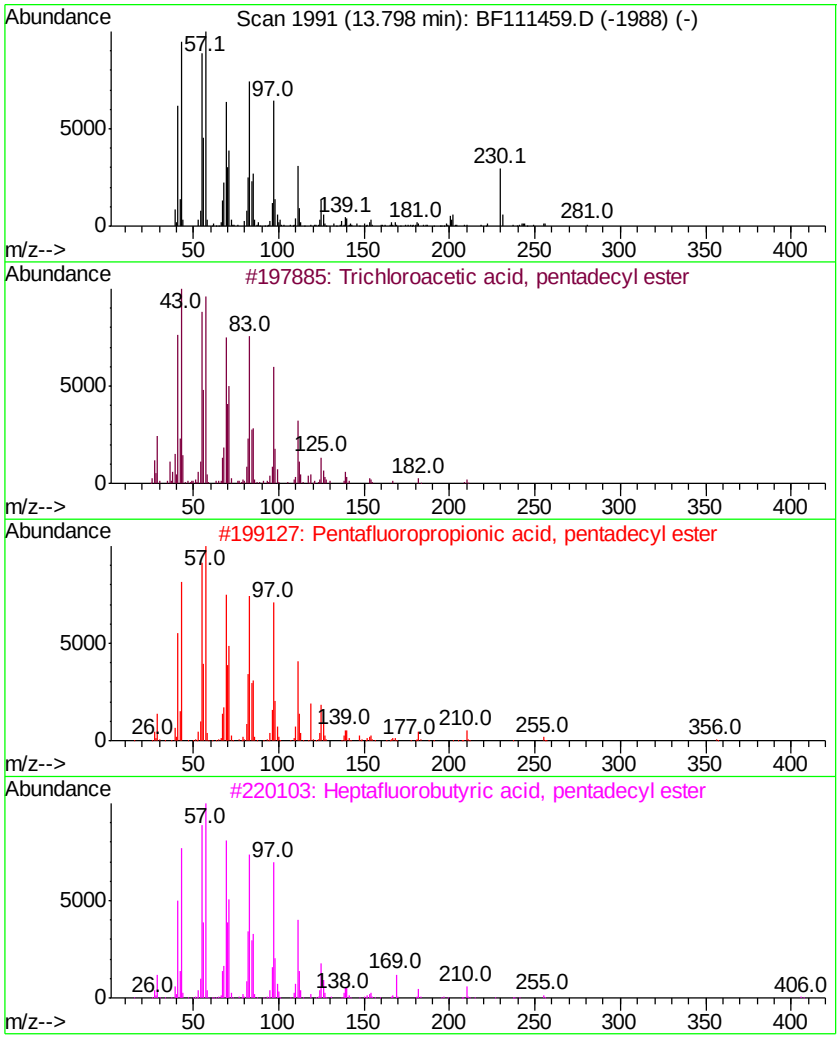
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

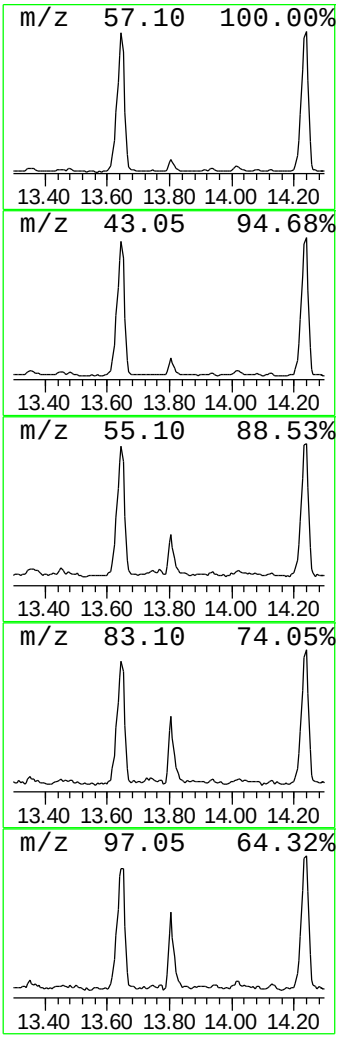
**********

Peak Number 12 Trichloroacetic acid, penta... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.80 | 11.47 ng | 721713 | Chrysene-d12 | 13.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 94 |
| 2 | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 94 |
| 3 | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 94 |
| 4 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 93 |
| 5 | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 959218-78-1 | 91 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111459.D
Acq On : 15 Dec 2018 10:55
Operator : JU/SJ
Sample : J6208-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

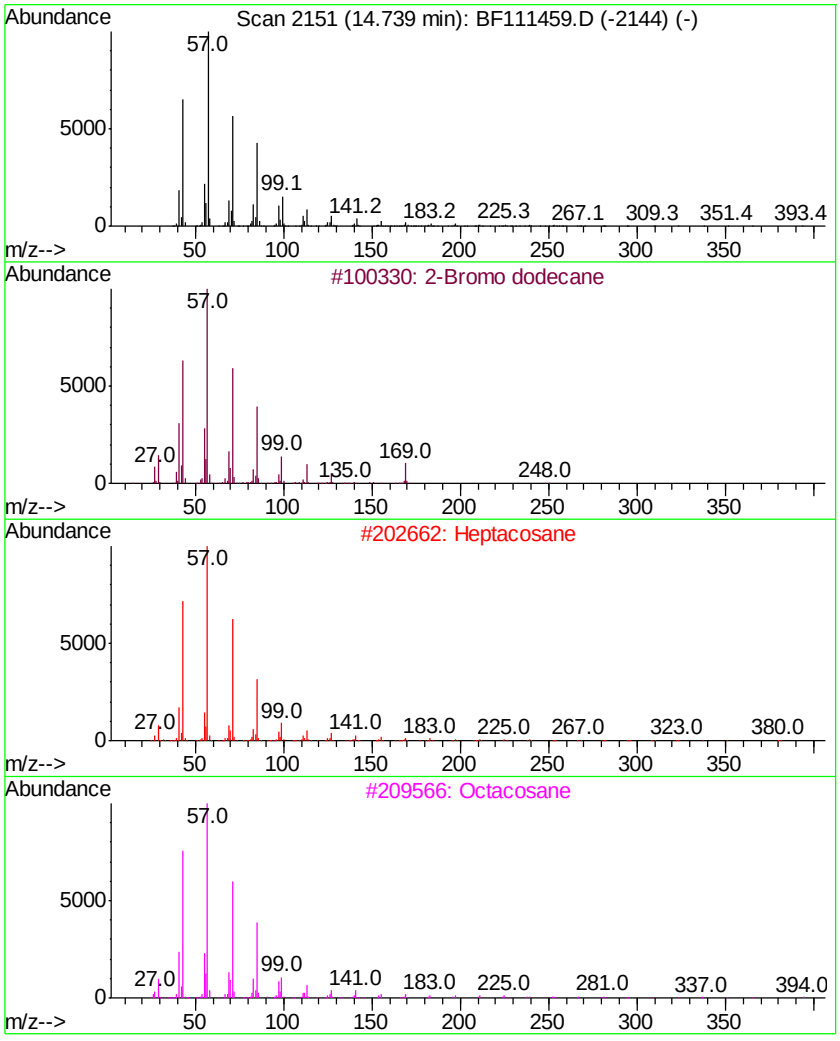
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

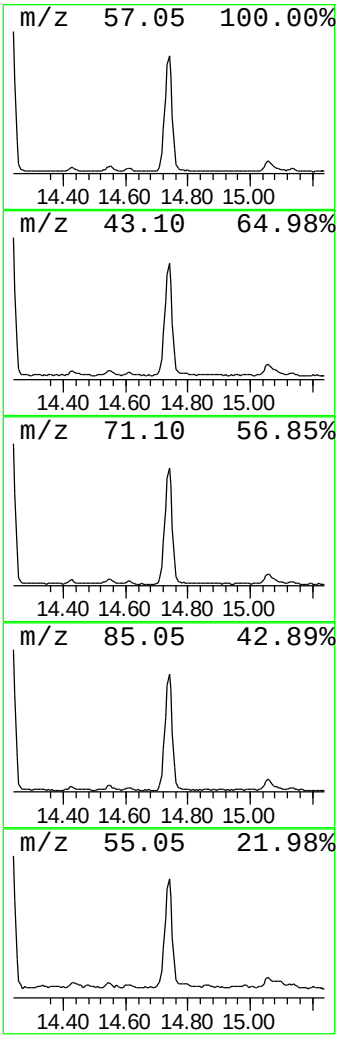
**********

Peak Number 14 2-Bromo dodecane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.74 | 89.97 ng | 3943300 | Perylene-d12 | 15.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 93 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 4 | Pentacosane | 352 | C25H52 | 000629-99-2 | 91 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111459.D
Acq On : 15 Dec 2018 10:55
Operator : JU/SJ
Sample : J6208-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

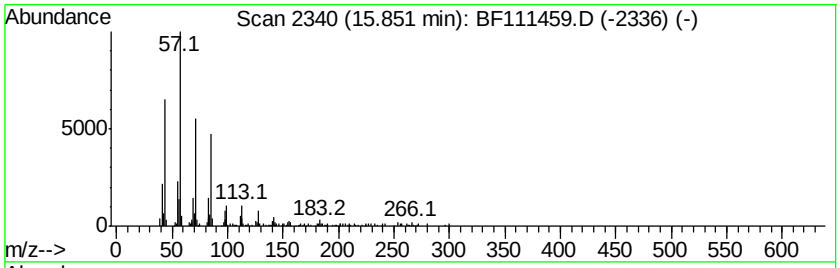
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

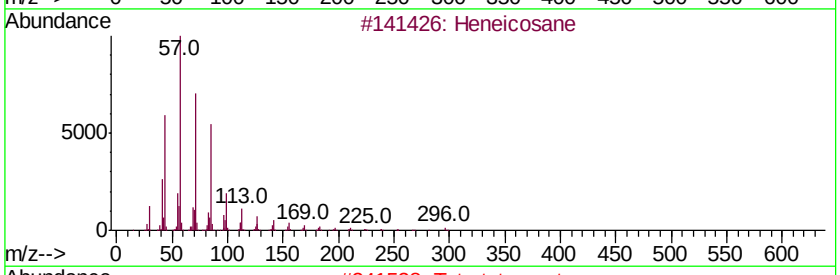
**********

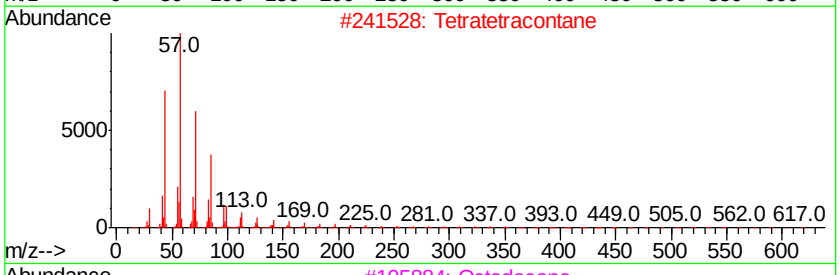
Peak Number 16 Heneicosane Concentration Rank 15

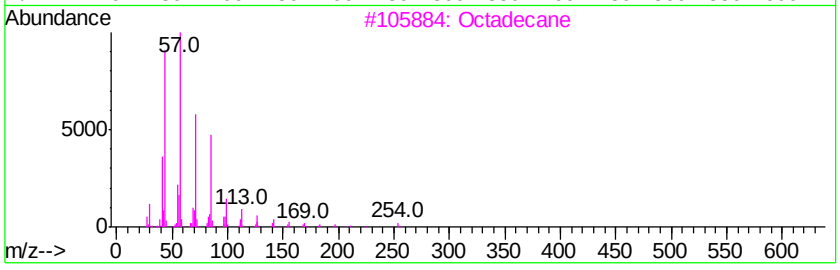
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.85 | 5.05 ng | 221397 | Perylene-d12 | 15.39 |

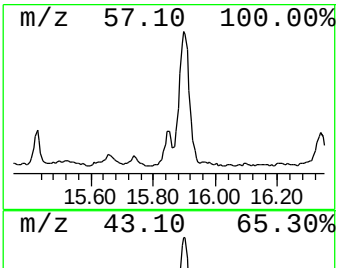
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 96 |
| 2 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 87 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 87 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 86 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 68 |

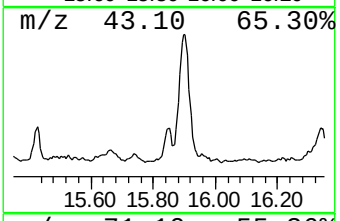


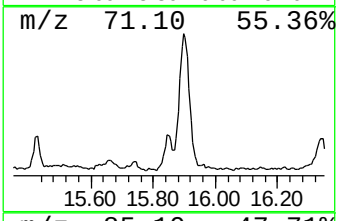



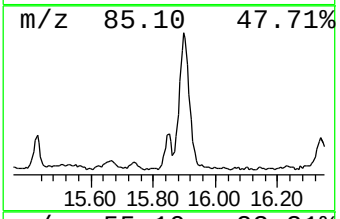



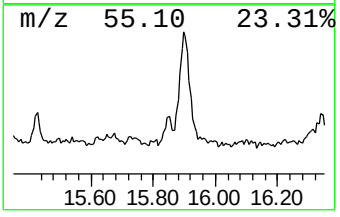



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121518\
Data File : BF111459.D
Acq On : 15 Dec 2018 10:55
Operator : JU/SJ
Sample : J6208-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TP-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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 |
| unknown-01 | 3.24 | 4.1 | ng | 187986 | 1 | 6.79 | 922588 | 20.0 |
| 2-Pentanone, 4-hy... | 5.00 | 4.8 | ng | 223120 | 1 | 6.79 | 922588 | 20.0 |
| unknown6.57 | 6.57 | 96.2 | ng | 4438800 | 1 | 6.79 | 922588 | 20.0 |
| Tetradecanoic acid | 10.99 | 4.0 | ng | 265178 | 4 | 11.32 | 1327040 | 20.0 |
| Octacosane | 11.53 | 20.4 | ng | 1353430 | 4 | 11.32 | 1327040 | 20.0 |
| n-Hexadecanoic acid | 11.87 | 131.1 | ng | 8695450 | 4 | 11.32 | 1327040 | 20.0 |
| Octadecanoic acid | 12.64 | 78.4 | ng | 4930060 | 5 | 13.95 | 1257940 | 20.0 |
| Squalene | 13.02 | 5.7 | ng | 356378 | 5 | 13.95 | 1257940 | 20.0 |
| unknown13.35 | 13.35 | 3.6 | ng | 228949 | 5 | 13.95 | 1257940 | 20.0 |
| Eicosane | 13.64 | 75.4 | ng | 4740340 | 5 | 13.95 | 1257940 | 20.0 |
| Trichloroacetic a... | 13.80 | 11.5 | ng | 721713 | 5 | 13.95 | 1257940 | 20.0 |
| 2-Bromo dodecane | 14.74 | 90.0 | ng | 3943300 | 6 | 15.39 | 876582 | 20.0 |
| Heneicosane | 15.85 | 5.0 | ng | 221397 | 6 | 15.39 | 876582 | 20.0 |