LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-021119-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-BF012519.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 | 5.475 | 573 | 576 | 593 | rBV | 239351 | 345155 | 9.26% | 1.501% |
| 2 | 6.492 | 745 | 749 | 762 | rBV | 223236 | 377994 | 10.14% | 1.643% |
| 3 | 6.616 | 766 | 770 | 776 | rBV | 407093 | 404937 | 10.87% | 1.760% |
| 4 | 6.834 | 804 | 807 | 815 | rBV | 721491 | 635062 | 17.04% | 2.761% |
| 5 | 6.992 | 829 | 834 | 841 | rBV | 363867 | 345794 | 9.28% | 1.503% |
| 6 | 7.398 | 900 | 903 | 906 | rBV | 183647 | 189443 | 5.08% | 0.824% |
| 7 | 7.428 | 906 | 908 | 912 | rVB | 59643 | 53405 | 1.43% | 0.232% |
| 8 | 8.098 | 1018 | 1022 | 1023 | rBV | 98494 | 97227 | 2.61% | 0.423% |
| 9 | 8.116 | 1023 | 1025 | 1032 | rVV | 762857 | 792901 | 21.28% | 3.447% |
| 10 | 8.175 | 1032 | 1035 | 1038 | rVB2 | 56611 | 57435 | 1.54% | 0.250% |
| 11 | 8.410 | 1070 | 1075 | 1079 | rBV5 | 46197 | 66688 | 1.79% | 0.290% |
| 12 | 8.533 | 1093 | 1096 | 1098 | rBV | 67392 | 53240 | 1.43% | 0.231% |
| 13 | 8.622 | 1107 | 1111 | 1113 | rBV | 59822 | 56860 | 1.53% | 0.247% |
| 14 | 8.704 | 1122 | 1125 | 1129 | rBV | 207505 | 169614 | 4.55% | 0.737% |
| 15 | 8.939 | 1162 | 1165 | 1170 | rBV3 | 62383 | 60111 | 1.61% | 0.261% |
| 16 | 9.069 | 1183 | 1187 | 1191 | rVB3 | 50468 | 66679 | 1.79% | 0.290% |
| 17 | 9.133 | 1196 | 1198 | 1200 | rVV2 | 91968 | 68054 | 1.83% | 0.296% |
| 18 | 9.186 | 1204 | 1207 | 1213 | rBV | 455663 | 455565 | 12.23% | 1.981% |
| 19 | 9.269 | 1217 | 1221 | 1224 | rBV | 280438 | 245542 | 6.59% | 1.068% |
| 20 | 9.345 | 1231 | 1234 | 1236 | rVB | 51448 | 46935 | 1.26% | 0.204% |
| 21 | 9.586 | 1271 | 1275 | 1278 | rBV3 | 132238 | 158021 | 4.24% | 0.687% |
| 22 | 9.651 | 1283 | 1286 | 1288 | rVB2 | 58071 | 48655 | 1.31% | 0.212% |
| 23 | 9.739 | 1297 | 1301 | 1304 | rBV6 | 31772 | 43950 | 1.18% | 0.191% |
| 24 | 9.798 | 1304 | 1311 | 1314 | rBV | 290931 | 259751 | 6.97% | 1.129% |
| 25 | 9.875 | 1320 | 1324 | 1327 | rBV | 873155 | 741366 | 19.90% | 3.223% |
| 26 | 9.904 | 1327 | 1329 | 1333 | rVB | 83086 | 68847 | 1.85% | 0.299% |
| 27 | 10.033 | 1347 | 1351 | 1353 | rBV3 | 43148 | 60071 | 1.61% | 0.261% |
| 28 | 10.080 | 1357 | 1359 | 1362 | rVV2 | 62645 | 63015 | 1.69% | 0.274% |
| 29 | 10.116 | 1362 | 1365 | 1369 | rVV2 | 75350 | 92168 | 2.47% | 0.401% |
| 30 | 10.192 | 1374 | 1378 | 1381 | rBV4 | 41943 | 64601 | 1.73% | 0.281% |
| 31 | 10.298 | 1390 | 1396 | 1399 | rBV | 283959 | 284514 | 7.64% | 1.237% |
| 32 | 10.351 | 1403 | 1405 | 1411 | rVB4 | 31821 | 53163 | 1.43% | 0.231% |
| 33 | 10.427 | 1411 | 1418 | 1422 | rBV2 | 78617 | 138391 | 3.71% | 0.602% |
| 34 | 10.516 | 1428 | 1433 | 1439 | rVB | 113092 | 160071 | 4.30% | 0.696% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-021119-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-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 10.669 | 1456 | 1459 | 1468 | rBV | 245283 | 277538 | 7.45% | 1.207% |
| 36 | 10.769 | 1473 | 1476 | 1485 | rVB | 296308 | 360189 | 9.67% | 1.566% |
| 37 | 10.963 | 1505 | 1509 | 1513 | rBV4 | 33551 | 66420 | 1.78% | 0.289% |
| 38 | 11.216 | 1549 | 1552 | 1555 | rBV | 241873 | 200756 | 5.39% | 0.873% |
| 39 | 11.245 | 1555 | 1557 | 1564 | rVB2 | 102951 | 138062 | 3.71% | 0.600% |
| 40 | 11.363 | 1574 | 1577 | 1580 | rBV | 847008 | 818718 | 21.97% | 3.559% |
| 41 | 11.386 | 1580 | 1581 | 1587 | rVV | 353392 | 291209 | 7.82% | 1.266% |
| 42 | 11.439 | 1587 | 1590 | 1596 | rVV | 79760 | 93273 | 2.50% | 0.406% |
| 43 | 11.604 | 1614 | 1618 | 1622 | rBV2 | 48828 | 69817 | 1.87% | 0.304% |
| 44 | 11.645 | 1622 | 1625 | 1627 | rBV | 189988 | 154136 | 4.14% | 0.670% |
| 45 | 11.745 | 1638 | 1642 | 1645 | rVB | 1200463 | 1045941 | 28.07% | 4.547% |
| 46 | 11.880 | 1660 | 1665 | 1672 | rVB3 | 96757 | 174440 | 4.68% | 0.758% |
| 47 | 11.980 | 1679 | 1682 | 1684 | rBV | 58138 | 52435 | 1.41% | 0.228% |
| 48 | 12.051 | 1691 | 1694 | 1699 | rVB | 166295 | 141700 | 3.80% | 0.616% |
| 49 | 12.433 | 1754 | 1759 | 1761 | rBV | 3368117 | 3609375 | 96.86% | 15.692% |
| 50 | 12.457 | 1761 | 1763 | 1769 | rVB | 4481725 | 3726245 | 100.00% | 16.200% |
| 51 | 12.533 | 1773 | 1776 | 1781 | rVB | 568436 | 472875 | 12.69% | 2.056% |
| 52 | 12.586 | 1781 | 1785 | 1788 | rBV | 375934 | 448087 | 12.03% | 1.948% |
| 53 | 12.668 | 1797 | 1799 | 1804 | rVB6 | 40103 | 47215 | 1.27% | 0.205% |
| 54 | 12.768 | 1813 | 1816 | 1819 | rBV | 131735 | 121395 | 3.26% | 0.528% |
| 55 | 12.810 | 1819 | 1823 | 1830 | rVB2 | 333314 | 403929 | 10.84% | 1.756% |
| 56 | 12.945 | 1842 | 1846 | 1849 | rBV | 523931 | 442639 | 11.88% | 1.924% |
| 57 | 13.092 | 1869 | 1871 | 1873 | rBV2 | 99982 | 88625 | 2.38% | 0.385% |
| 58 | 13.168 | 1881 | 1884 | 1885 | rBV2 | 85231 | 80581 | 2.16% | 0.350% |
| 59 | 13.204 | 1889 | 1890 | 1893 | rVB | 65016 | 52043 | 1.40% | 0.226% |
| 60 | 13.257 | 1896 | 1899 | 1905 | rBV3 | 93491 | 98043 | 2.63% | 0.426% |
| 61 | 13.510 | 1939 | 1942 | 1946 | rVB | 72324 | 70641 | 1.90% | 0.307% |
| 62 | 13.833 | 1995 | 1997 | 2001 | rVB | 110202 | 100294 | 2.69% | 0.436% |
| 63 | 13.927 | 2010 | 2013 | 2018 | rBV3 | 80226 | 108032 | 2.90% | 0.470% |
| 64 | 14.015 | 2023 | 2028 | 2031 | rVV | 887939 | 992560 | 26.64% | 4.315% |
| 65 | 14.039 | 2031 | 2032 | 2040 | rVB | 127595 | 112712 | 3.02% | 0.490% |
| 66 | 14.151 | 2049 | 2051 | 2054 | rBV | 103136 | 82375 | 2.21% | 0.358% |
| 67 | 14.457 | 2100 | 2103 | 2107 | rVB | 141029 | 139160 | 3.73% | 0.605% |
| 68 | 14.762 | 2152 | 2155 | 2158 | rBV | 132432 | 121259 | 3.25% | 0.527% |
| 69 | 15.092 | 2209 | 2211 | 2216 | rVB | 192954 | 210769 | 5.66% | 0.916% |
| 70 | 15.498 | 2273 | 2280 | 2290 | rVB2 | 419625 | 762690 | 20.47% | 3.316% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-021119-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-BF012519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 23001403

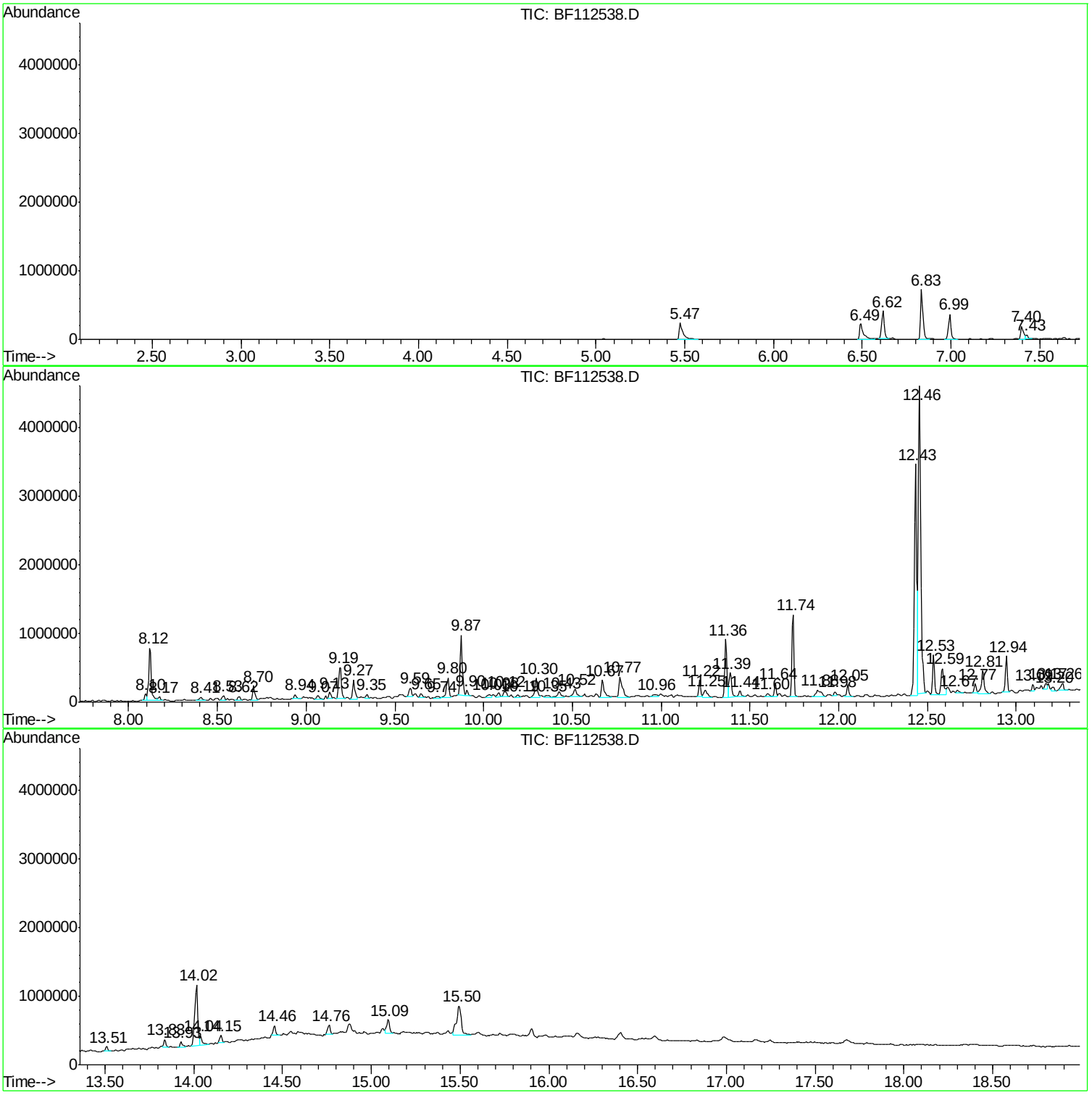
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-021119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-021119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

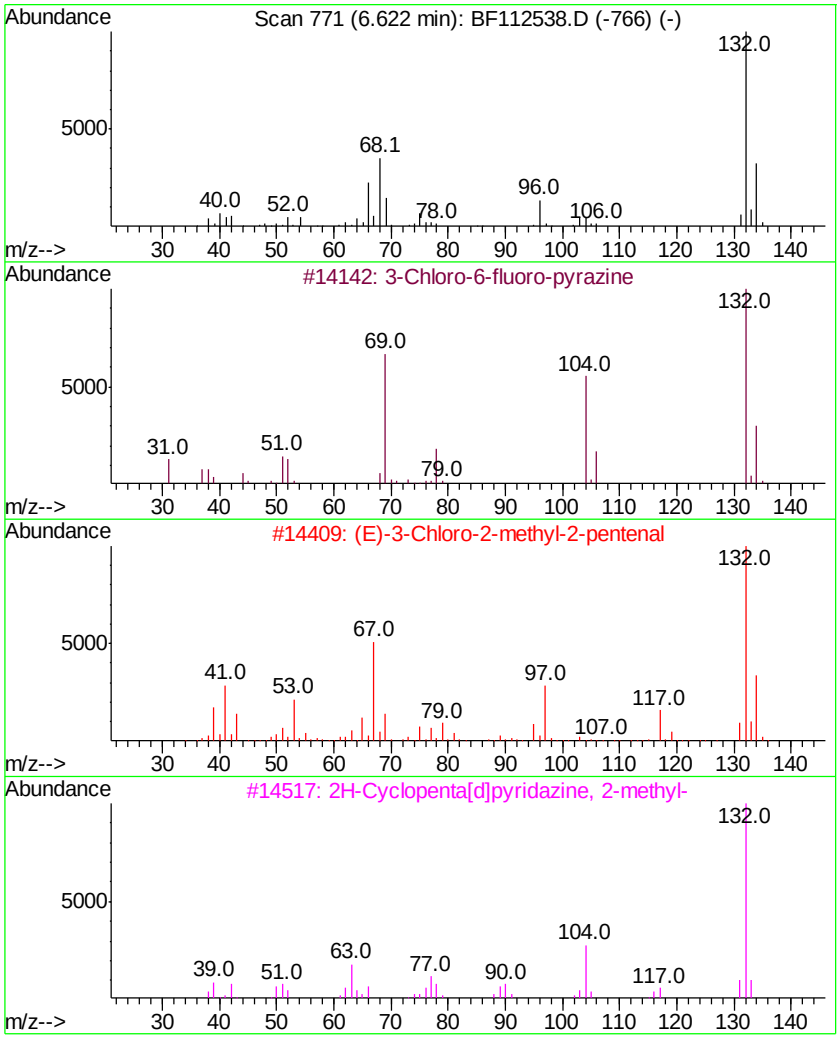
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

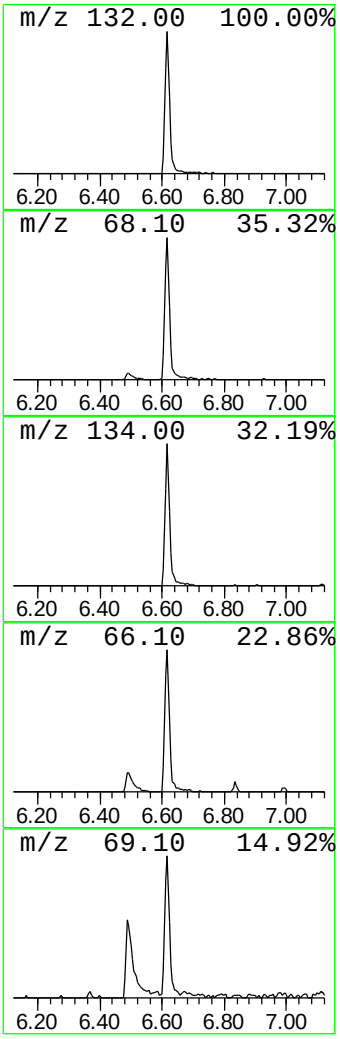
**********

Peak Number 1 unknown6.62 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.62 | 12.75 ng | 404937 | 1,4-Dichlorobenzene-d4 | 6.83 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 35 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 25 |
| 3 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |
| 4 | Cyclopropanamine, 1-phenyl- | 133 | C9H11N | 1000351-26-2 | 9 |
| 5 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-021119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

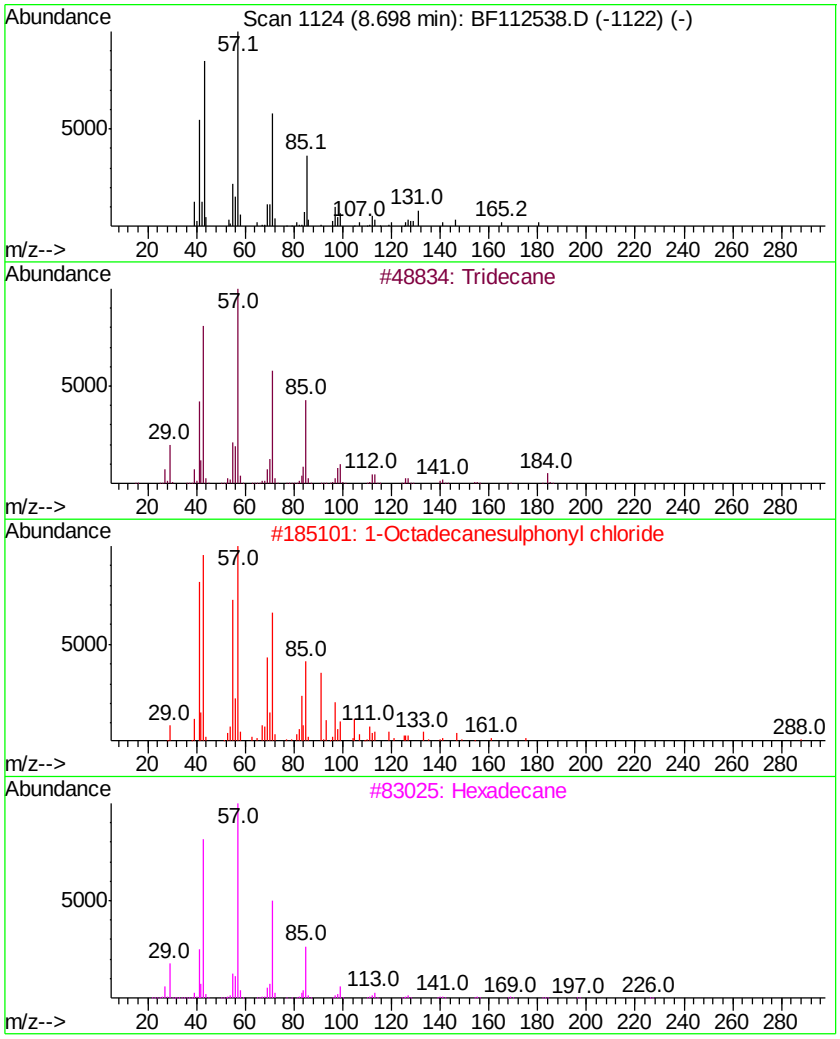
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

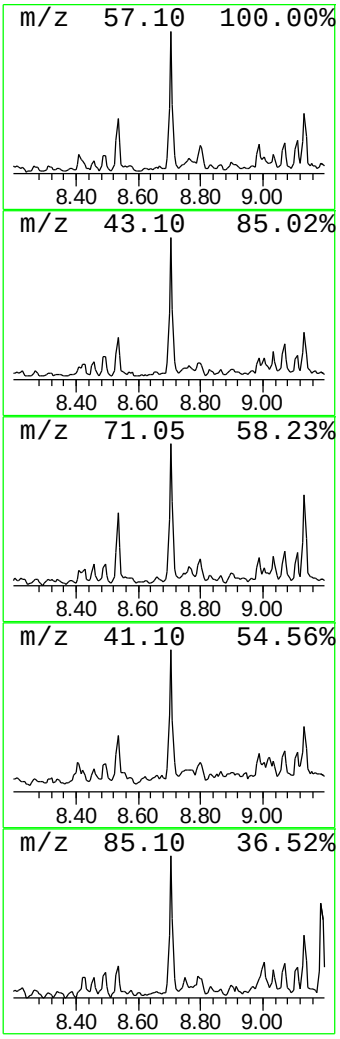
**********

Peak Number 3 Tridecane Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.70 | 4.28 ng | 169614 | Naphthalene-d8 | 8.12 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 96 |
| 2 | 1-Octadecanesulphonyl chloride | 352 | C18H37ClO2S | 1000342-70-4 | 80 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 80 |
| 4 | Dodecane | 170 | C12H26 | 000112-40-3 | 80 |
| 5 | Dotriacontane | 451 | C32H66 | 000544-85-4 | 72 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-021119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

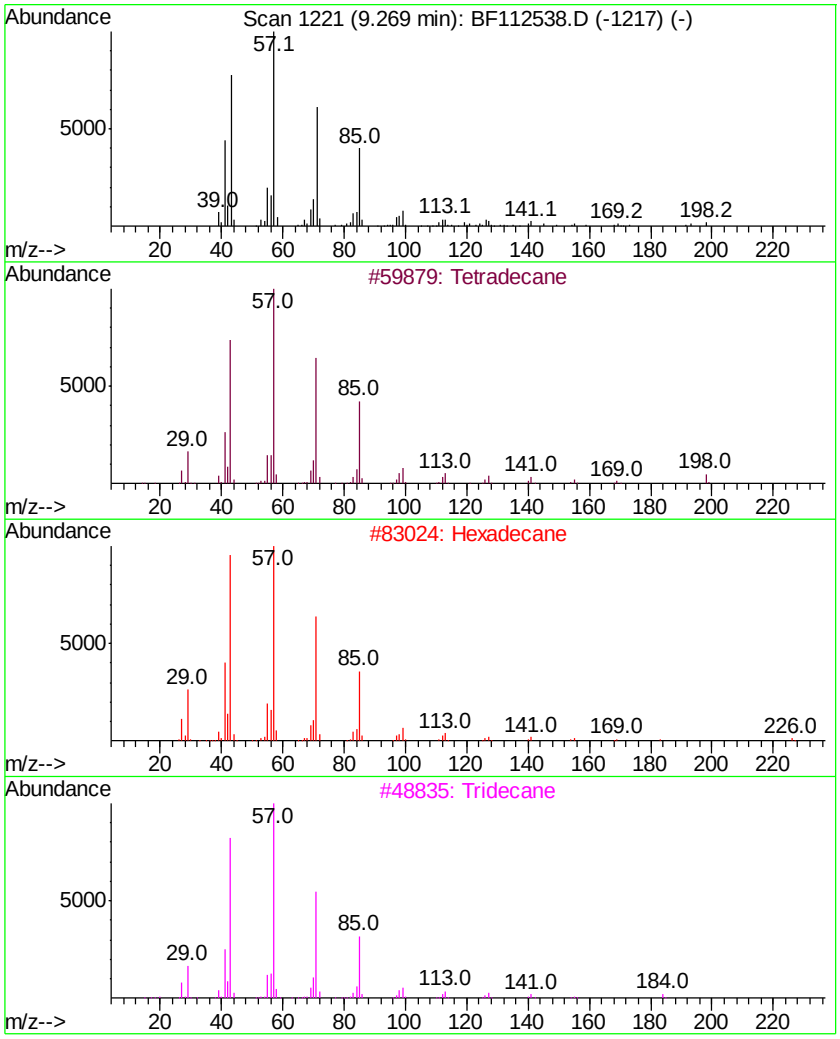
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

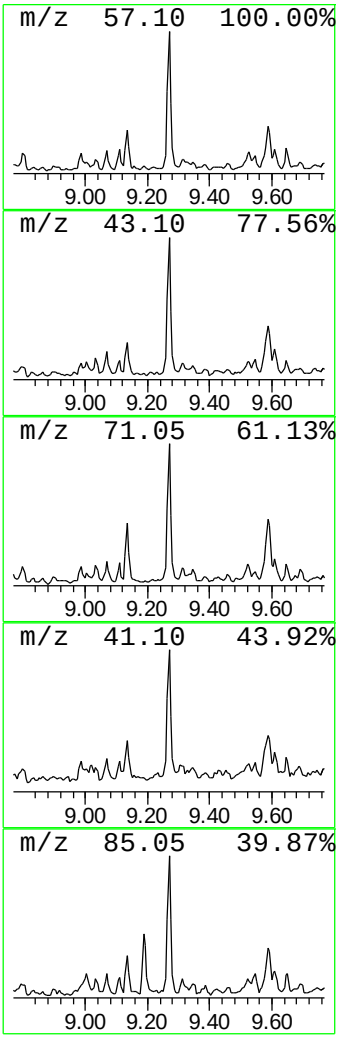
**********

Peak Number 4 Tetradecane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.27 | 6.62 ng | 245542 | Acenaphthene-d10 | 9.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 96 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 86 |
| 4 | Tridecane, 7-propyl- | 226 | C16H34 | 055045-09-5 | 86 |
| 5 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 80 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-021119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

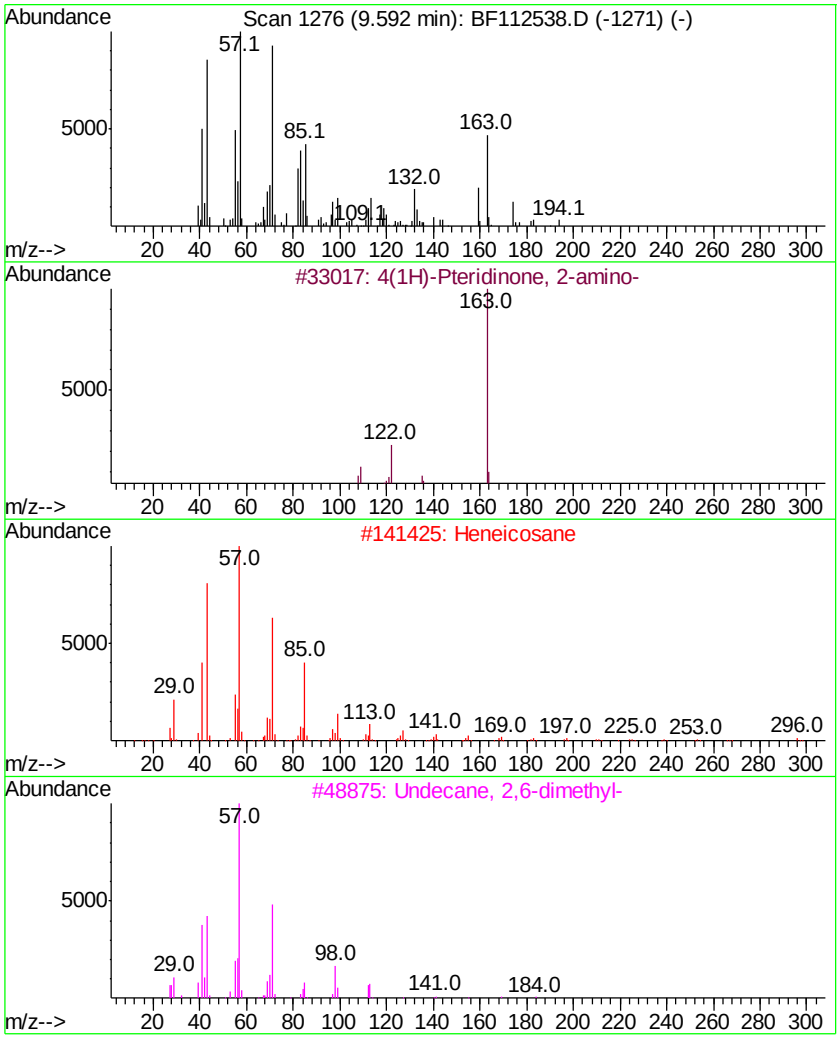
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

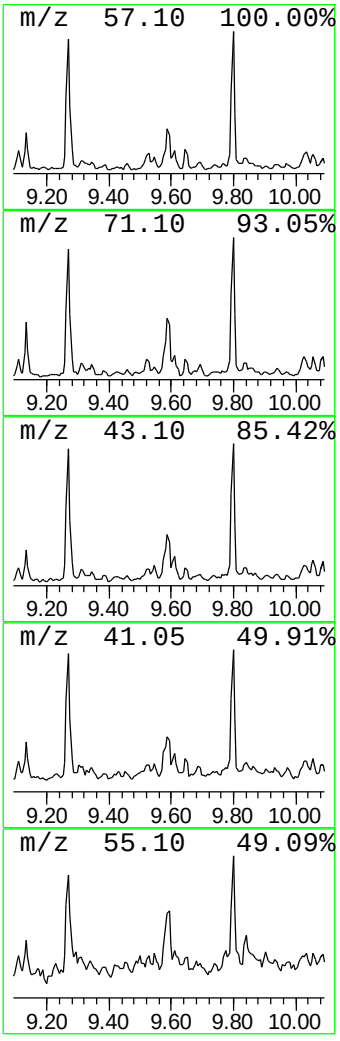
**********

Peak Number 5 4(1H)-Pteridinone, 2-amino- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.59 | 4.26 ng | 158021 | Acenaphthene-d10 | 9.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4(1H)-Pteridinone, 2-amino- | 163 | C6H5N5O | 002236-60-4 | 59 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 49 |
| 3 | Undecane, 2,6-dimethyl- | 184 | C13H28 | 017301-23-4 | 46 |
| 4 | Decane, 2,3,5,8-tetramethyl- | 198 | C14H30 | 192823-15-7 | 43 |
| 5 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 43 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-021119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

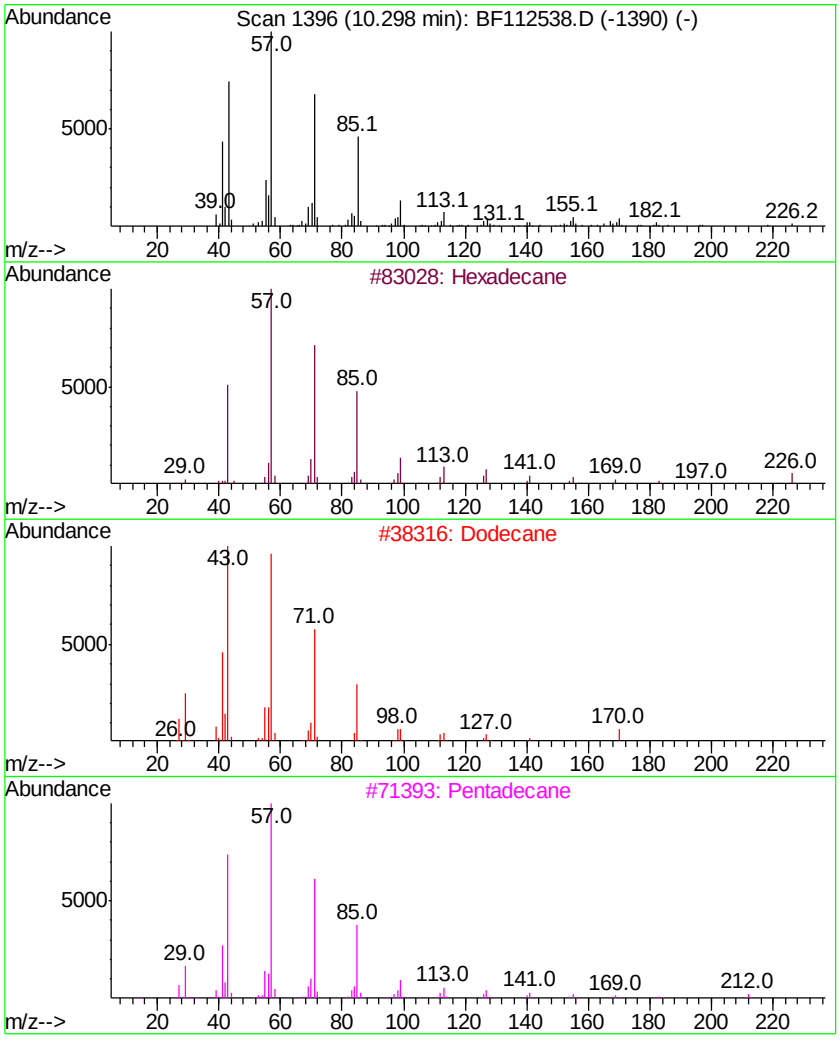
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

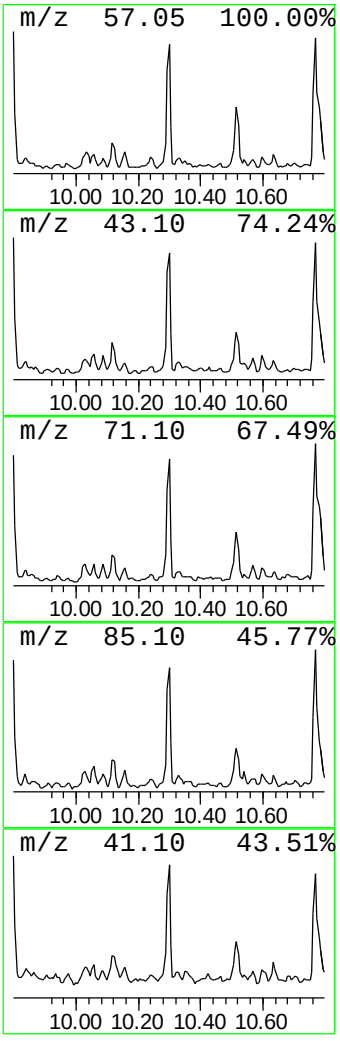
**********

Peak Number 7 Hexadecane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.30 | 7.68 ng | 284514 | Acenaphthene-d10 | 9.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 95 |
| 2 | Dodecane | 170 | C12H26 | 000112-40-3 | 90 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 90 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 87 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 86 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-021119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

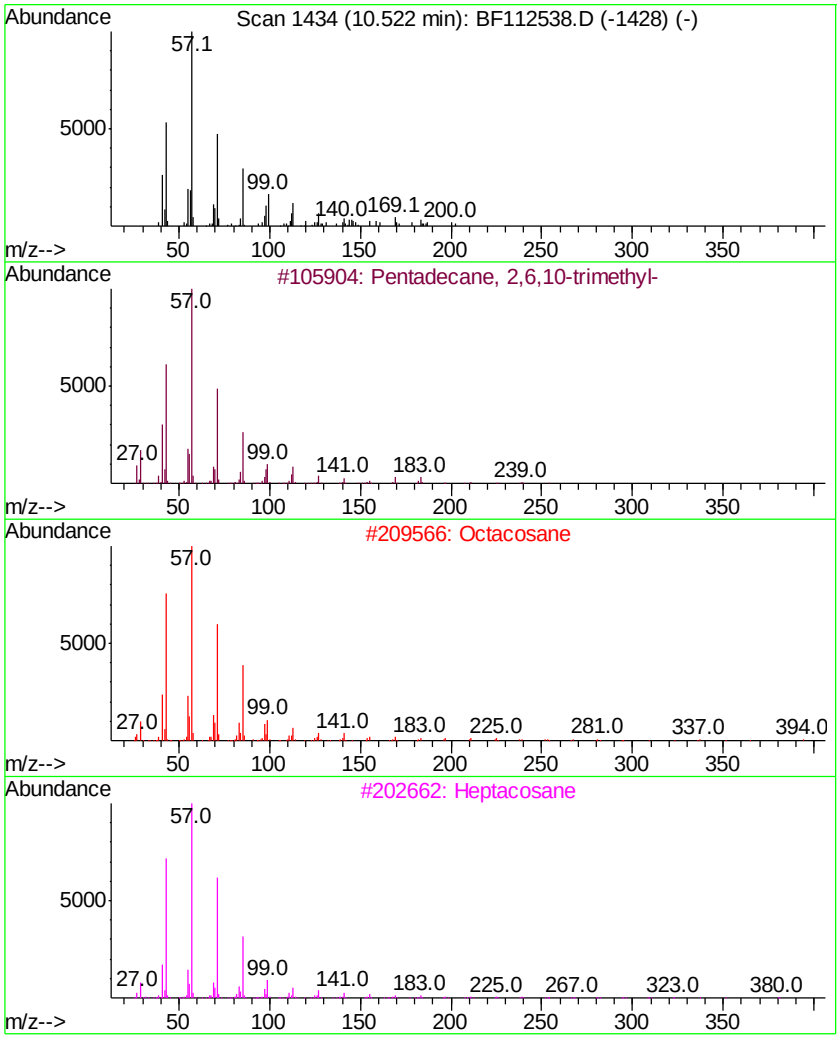
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

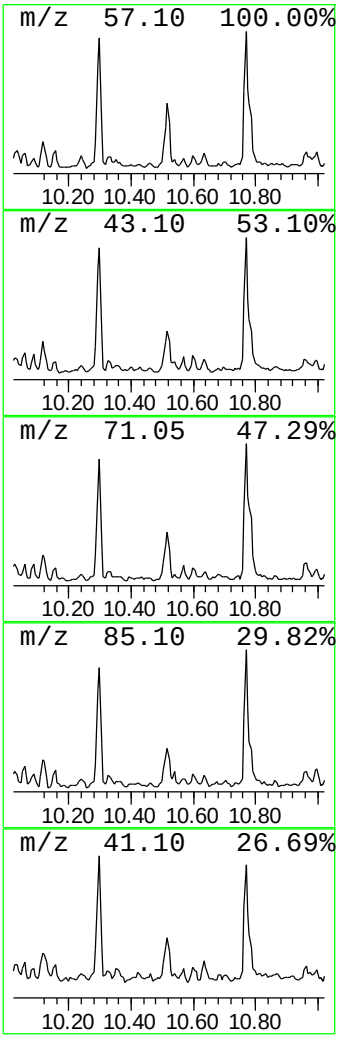
**********

Peak Number 9 Pentadecane, 2,6,10-trimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.52 | 4.32 ng | 160071 | Acenaphthene-d10 | 9.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane, 2,6,10-trimethyl- | 254 | C18H38 | 003892-00-0 | 86 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 83 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 83 |
| 4 | Pentadecane | 212 | C15H32 | 000629-62-9 | 80 |
| 5 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 80 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-021119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

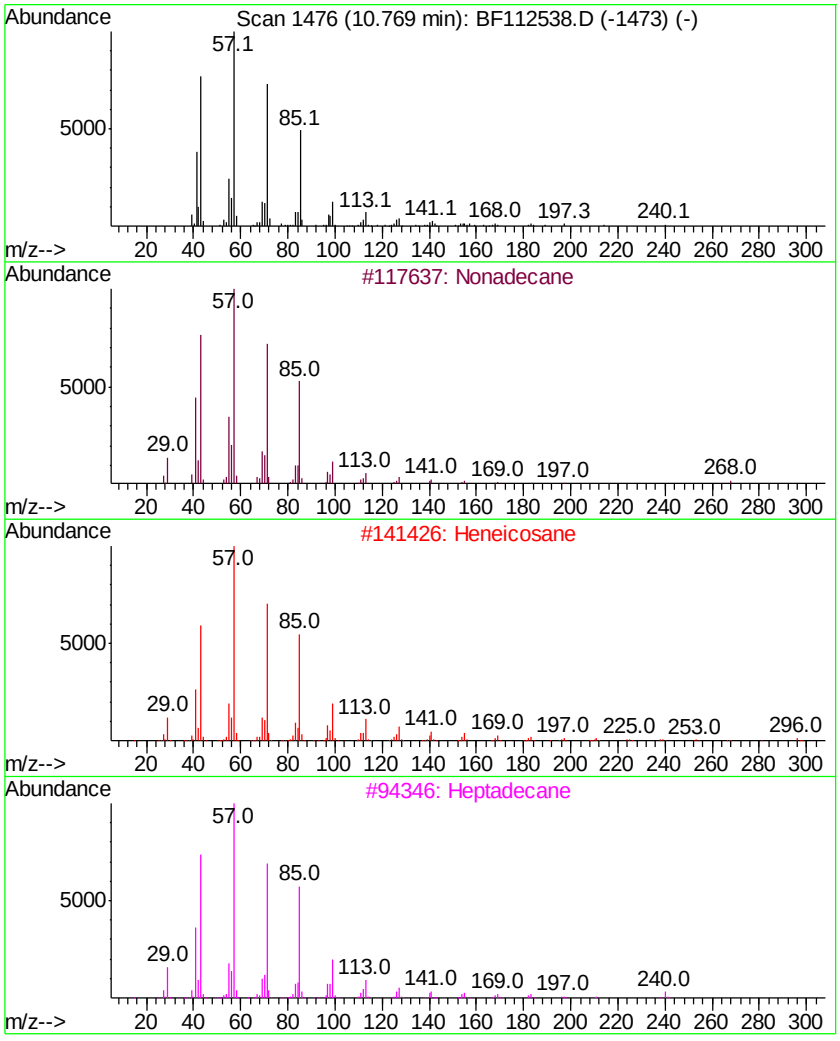
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

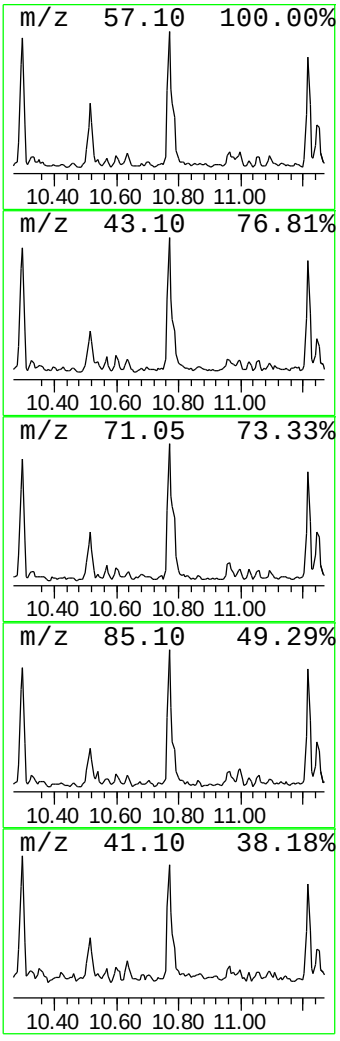
**********

Peak Number 10 Nonadecane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.77 | 8.80 ng | 360189 | Phenanthrene-d10 | 11.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 91 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Heptadecane | 240 | C17H36 | 000629-78-7 | 91 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 91 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-021119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

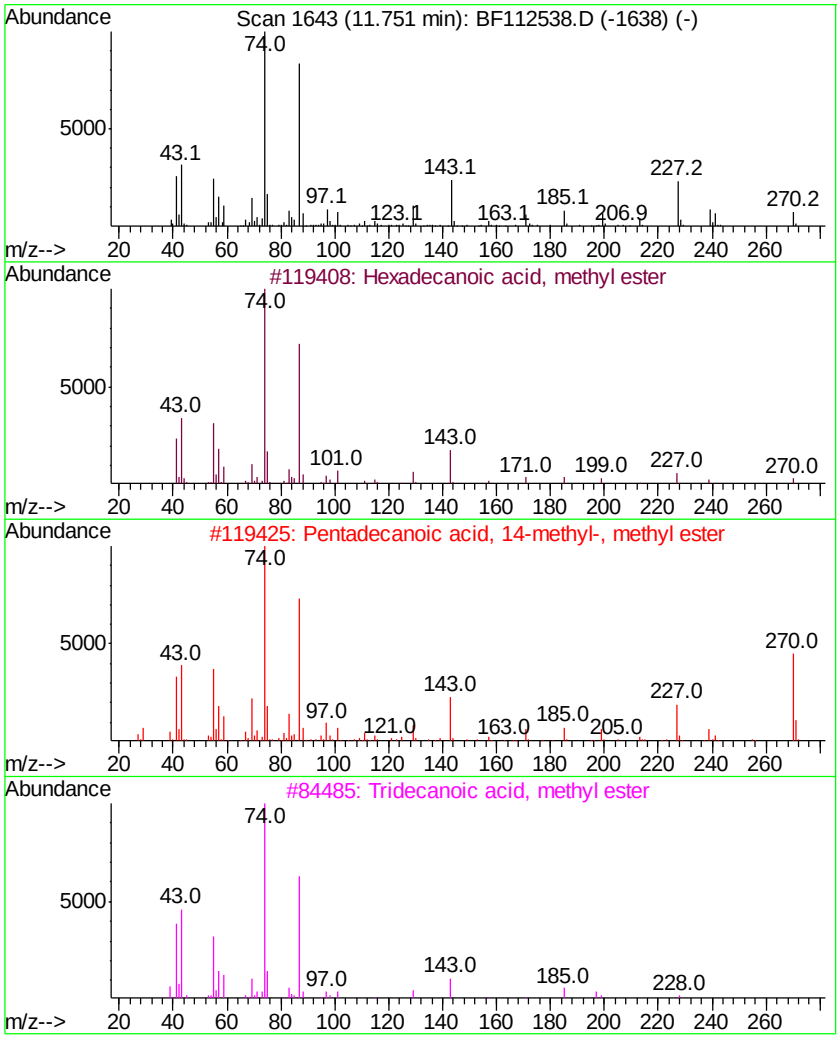
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

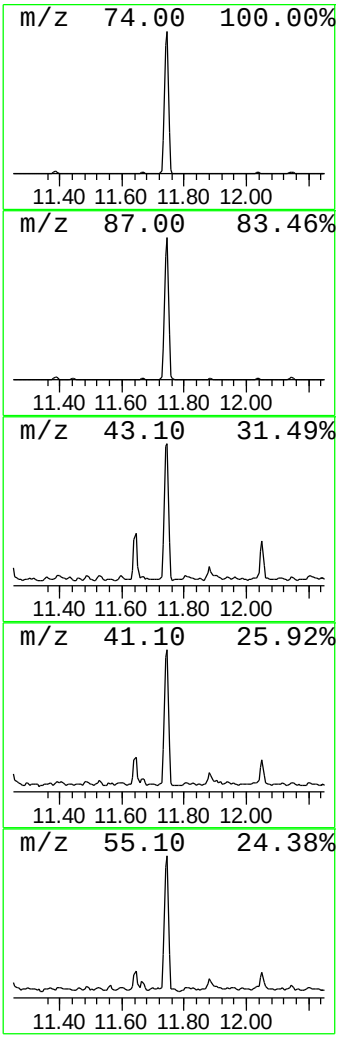
**********

Peak Number 14 Hexadecanoic acid, methyl e... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.75 | 25.55 ng | 1045940 | Phenanthrene-d10 | 11.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 98 |
| 2 | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 94 |
| 3 | Tridecanoic acid, methyl ester | 228 | C14H28O2 | 001731-88-0 | 90 |
| 4 | Decanoic acid, methyl ester | 186 | C11H22O2 | 000110-42-9 | 83 |
| 5 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 80 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-021119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

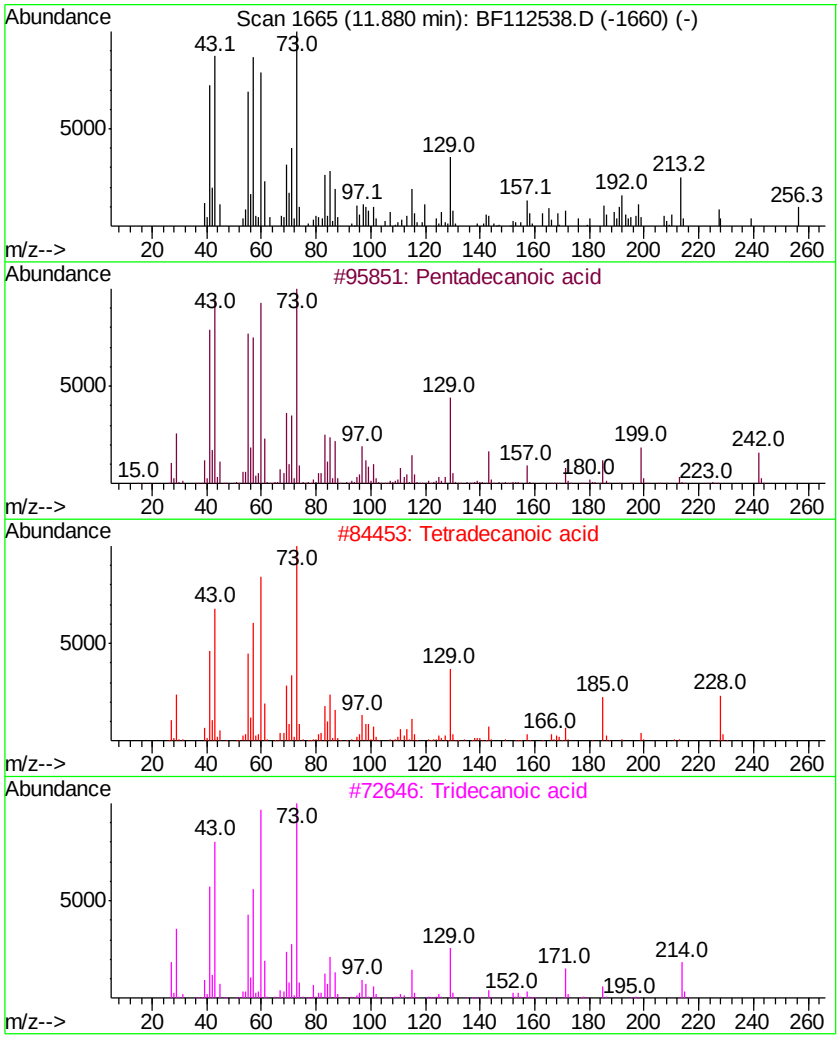
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

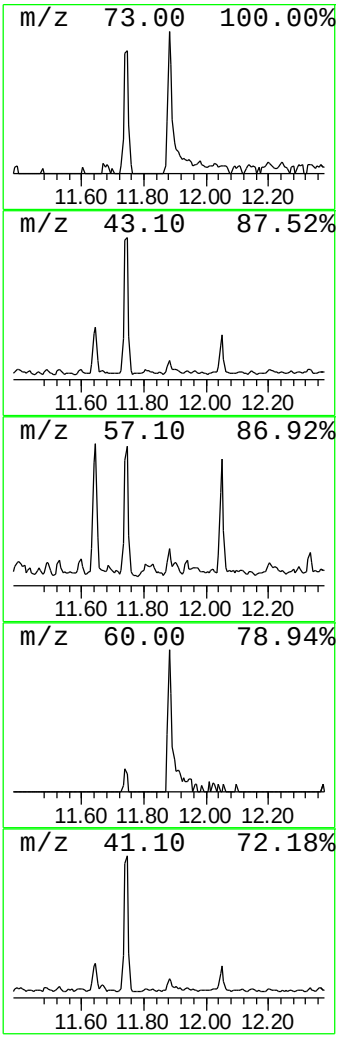
**********

Peak Number 15 Pentadecanoic acid Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.88 | 4.26 ng | 174440 | Phenanthrene-d10 | 11.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 83 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 70 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 70 |
| 4 | Decanoic acid, silver(1+) salt | 278 | C10H19AgO2 | 013126-67-5 | 59 |
| 5 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 49 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-021119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

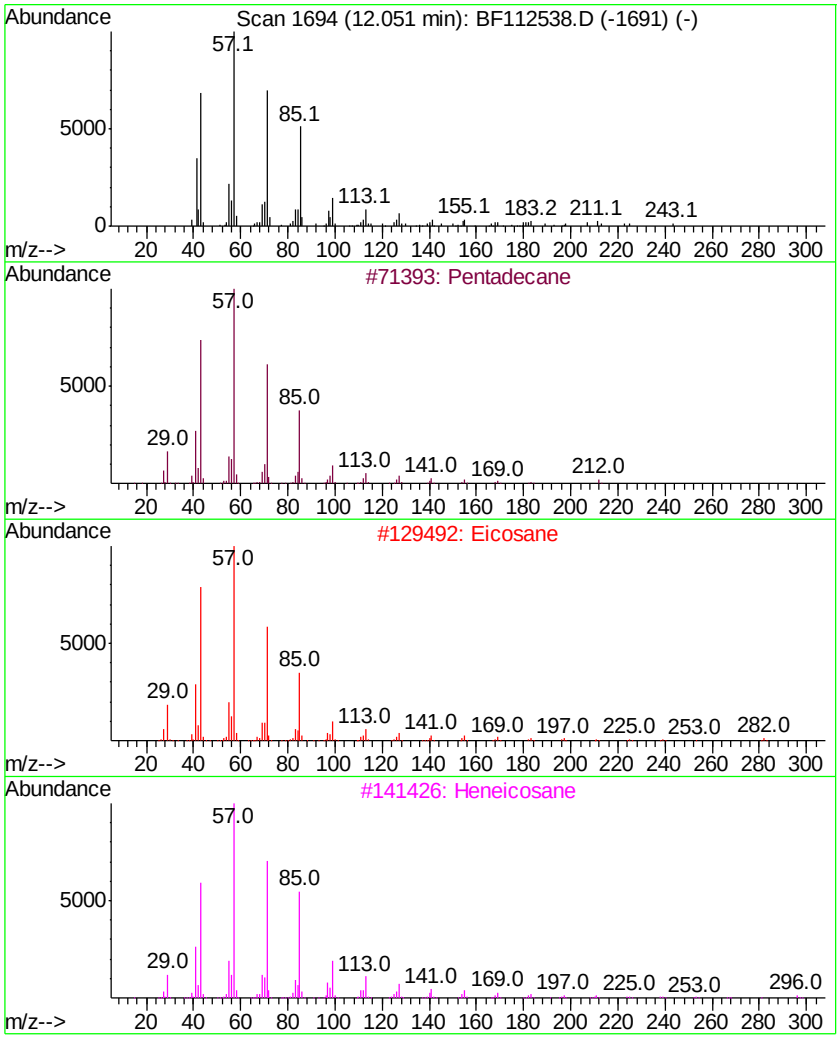
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

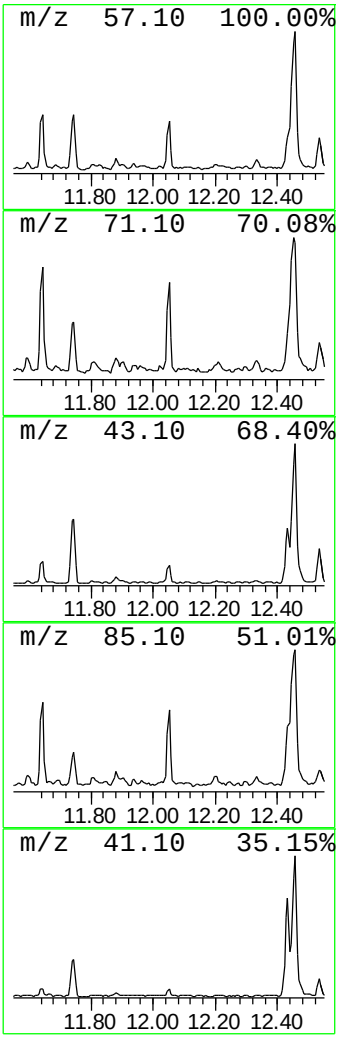
**********

Peak Number 16 Pentadecane Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.05 | 3.46 ng | 141700 | Phenanthrene-d10 | 11.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane | 212 | C15H32 | 000629-62-9 | 91 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-021119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

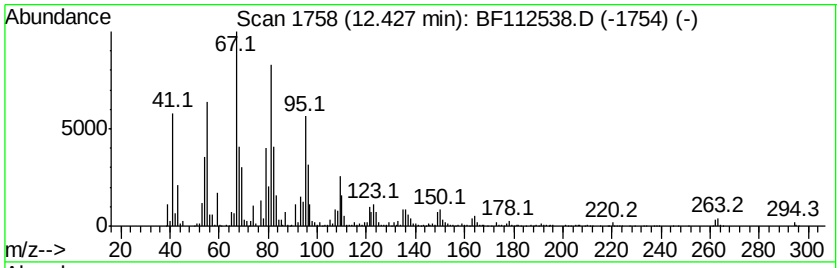
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

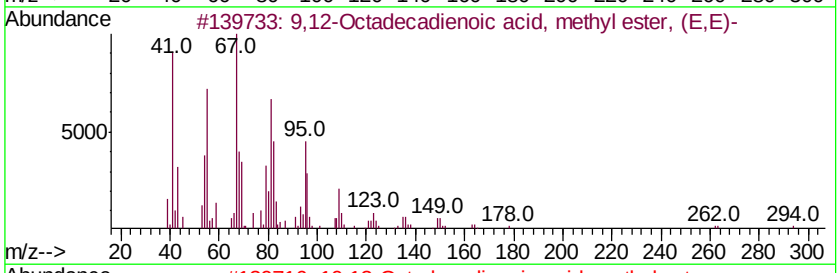
**********

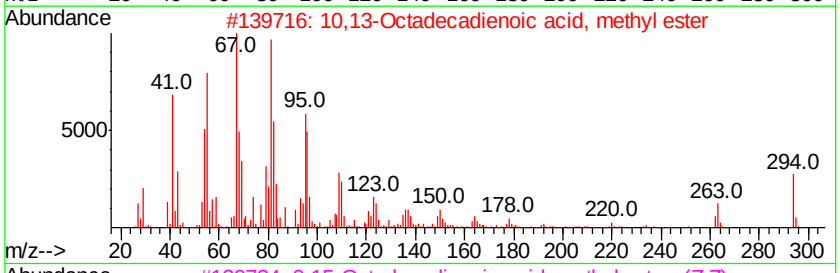
Peak Number 17 9,12-Octadecadienoic acid, ... Concentration Rank 2

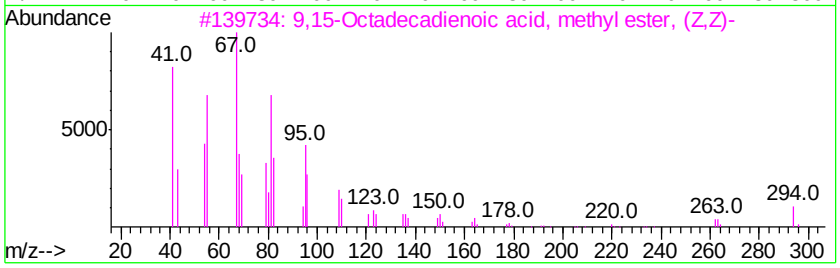
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.43 | 88.17 ng | 3609380 | Phenanthrene-d10 | 11.36 |

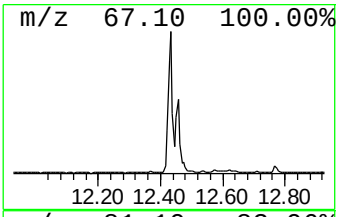
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 99 |
| 2 | 10,13-Octadecadienoic acid, meth... | 294 | C19H34O2 | 056554-62-2 | 99 |
| 3 | 9,15-Octadecadienoic acid, methy... | 294 | C19H34O2 | 017309-05-6 | 99 |
| 4 | 8,11-Octadecadienoic acid, methy... | 294 | C19H34O2 | 056599-58-7 | 99 |
| 5 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002462-85-3 | 99 |

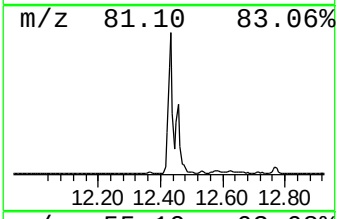


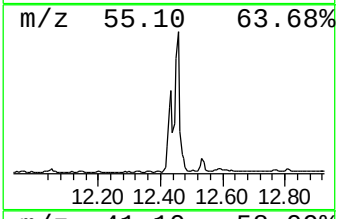



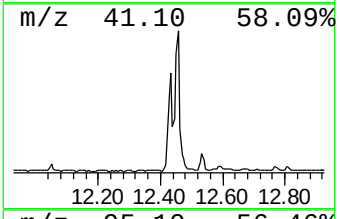



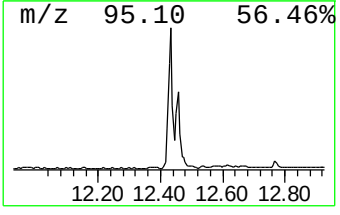



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-021119-E

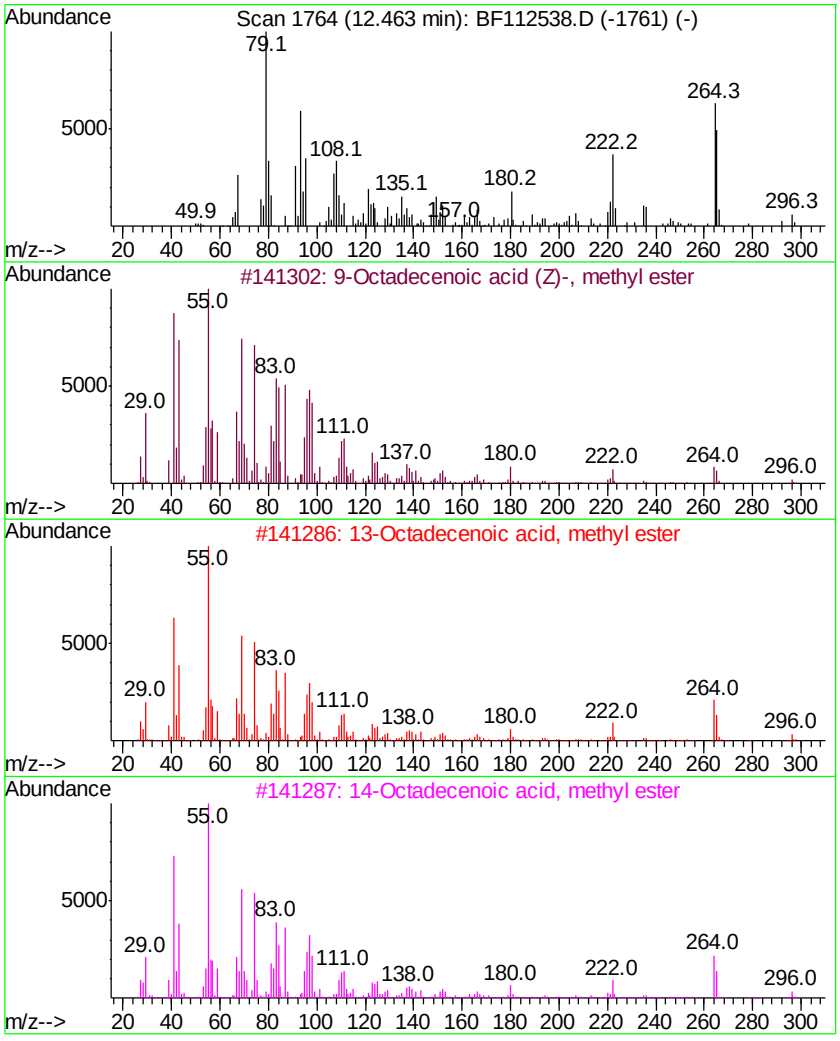
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

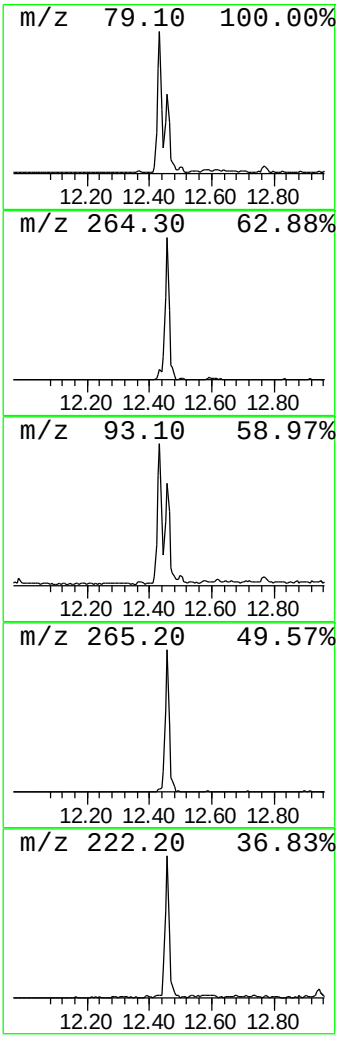
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.46 | 91.03 ng | 3726250 | Phenanthrene-d10 | 11.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9 | 99 |
| 2 | 13-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-47-3 | 99 |
| 3 | 14-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-48-4 | 99 |
| 4 | 6-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 052355-31-4 | 99 |
| 5 | 11-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 052380-33-3 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-021119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

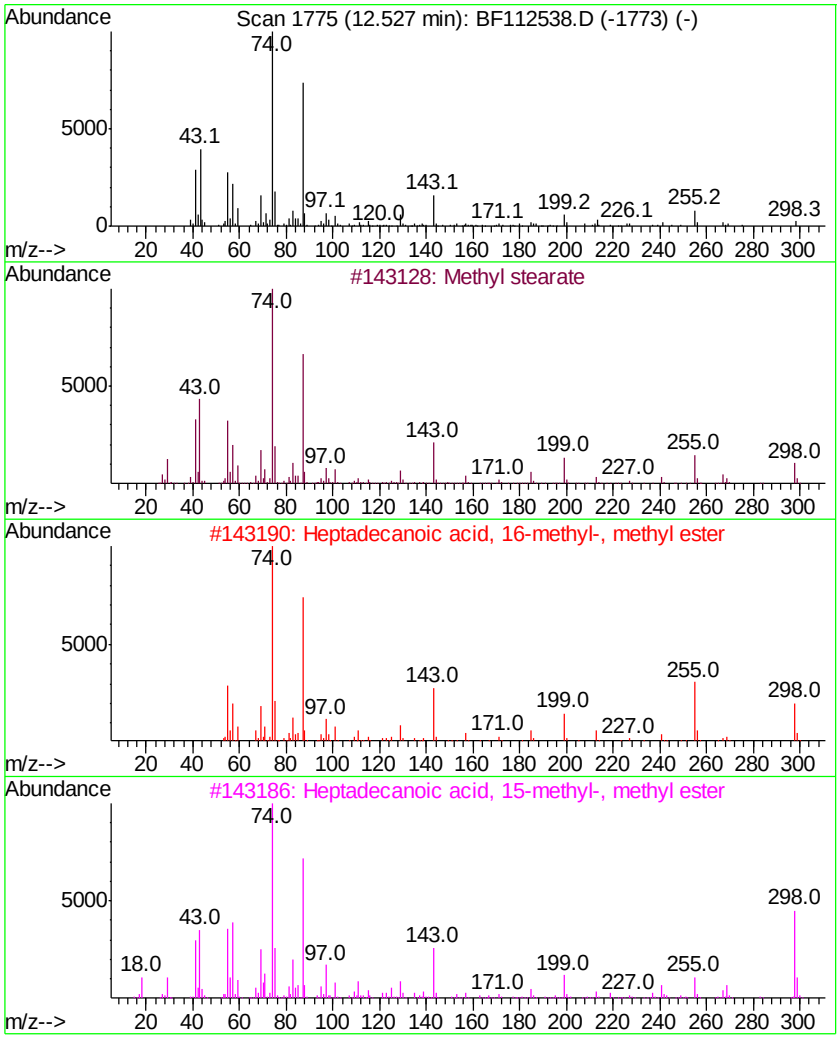
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

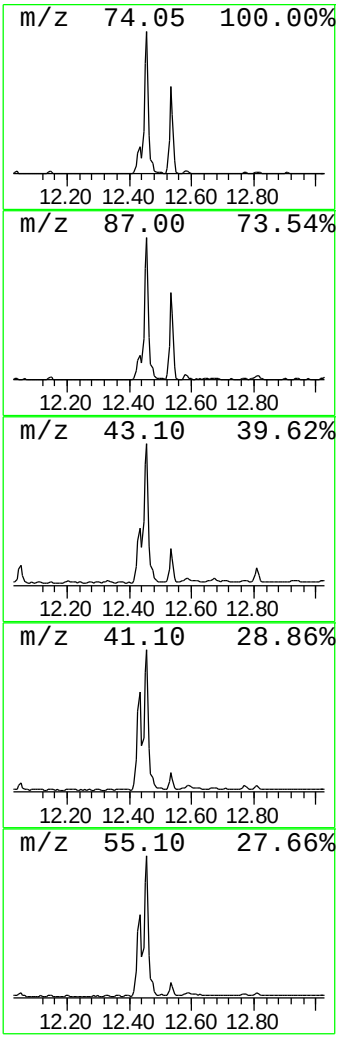
**********

Peak Number 19 Methyl stearate Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.53 | 11.55 ng | 472875 | Phenanthrene-d10 | 11.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl stearate | 298 | C19H38O2 | 000112-61-8 | 98 |
| 2 | Heptadecanoic acid, 16-methyl-, ... | 298 | C19H38O2 | 005129-61-3 | 94 |
| 3 | Heptadecanoic acid, 15-methyl-, ... | 298 | C19H38O2 | 054833-55-5 | 91 |
| 4 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 90 |
| 5 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-021119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

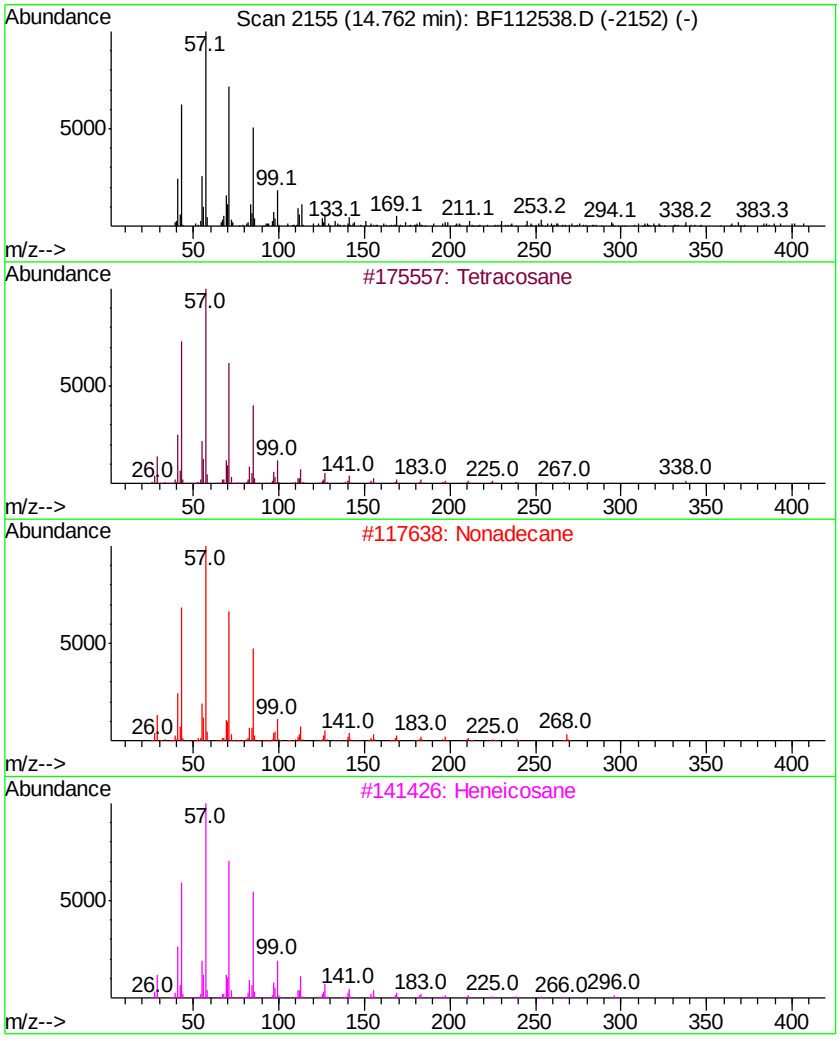
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

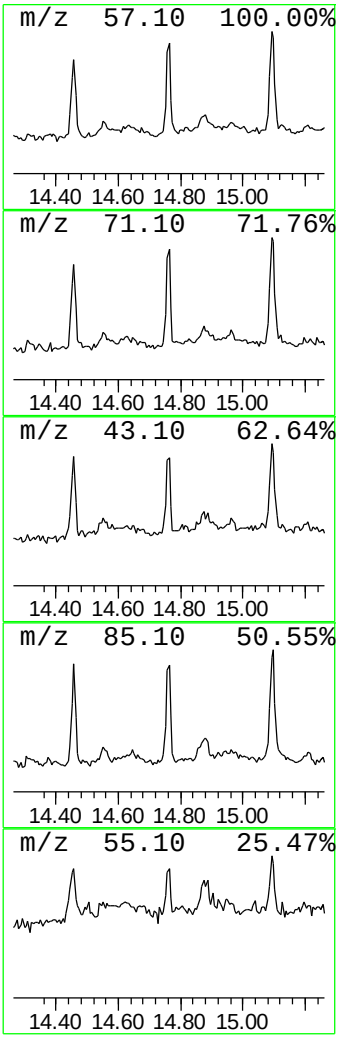
**********

Peak Number 20 Tetracosane Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.76 | 3.18 ng | 121259 | Perylene-d12 | 15.50 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 94 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 87 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 87 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 86 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021319\
Data File : BF112538.D
Acq On : 13 Feb 2019 14:53
Operator : JU/SJ
Sample : K1343-09 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-021119-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.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 |
| unknown6.62 | 6.62 | 12.8 | ng | 404937 | 1 | 6.83 | 635062 | 20.0 |
| Tridecane | 8.70 | 4.3 | ng | 169614 | 2 | 8.12 | 792901 | 20.0 |
| Tetradecane | 9.27 | 6.6 | ng | 245542 | 3 | 9.87 | 741366 | 20.0 |
| 4(1H)-Pteridinone... | 9.59 | 4.3 | ng | 158021 | 3 | 9.87 | 741366 | 20.0 |
| Hexadecane | 10.30 | 7.7 | ng | 284514 | 3 | 9.87 | 741366 | 20.0 |
| Pentadecane, 2,6,... | 10.52 | 4.3 | ng | 160071 | 3 | 9.87 | 741366 | 20.0 |
| Nonadecane | 10.77 | 8.8 | ng | 360189 | 4 | 11.36 | 818718 | 20.0 |
| Hexadecanoic acid... | 11.75 | 25.6 | ng | 1045940 | 4 | 11.36 | 818718 | 20.0 |
| Pentadecanoic acid | 11.88 | 4.3 | ng | 174440 | 4 | 11.36 | 818718 | 20.0 |
| Pentadecane | 12.05 | 3.5 | ng | 141700 | 4 | 11.36 | 818718 | 20.0 |
| 9,12-Octadecadien... | 12.43 | 88.2 | ng | 3609380 | 4 | 11.36 | 818718 | 20.0 |
| 9-Octadecenoic ac... | 12.46 | 91.0 | ng | 3726250 | 4 | 11.36 | 818718 | 20.0 |
| Methyl stearate | 12.53 | 11.6 | ng | 472875 | 4 | 11.36 | 818718 | 20.0 |
| Tetracosane | 14.76 | 3.2 | ng | 121259 | 6 | 15.50 | 762690 | 20.0 |