LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109347.D
Acq On : 26 Sep 2018 19:55
Operator : JU/SJ
Sample : J4773-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CL-02-092518-B

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-BF092218.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 | 4.887 | 472 | 476 | 485 | rBV | 31043 | 39259 | 3.08% | 0.218% |
| 2 | 5.310 | 544 | 548 | 558 | rBV | 1176530 | 1027405 | 80.58% | 5.707% |
| 3 | 6.339 | 719 | 723 | 726 | rBV | 1362256 | 1095866 | 85.95% | 6.087% |
| 4 | 6.475 | 742 | 746 | 749 | rBV | 1302055 | 1115706 | 87.50% | 6.198% |
| 5 | 6.704 | 782 | 785 | 789 | rBV | 756911 | 596881 | 46.81% | 3.316% |
| 6 | 6.863 | 808 | 812 | 815 | rBV | 1076317 | 849263 | 66.61% | 4.718% |
| 7 | 7.263 | 876 | 880 | 883 | rBV | 861927 | 682313 | 53.51% | 3.790% |
| 8 | 7.986 | 999 | 1003 | 1009 | rBV | 997476 | 807370 | 63.32% | 4.485% |
| 9 | 8.492 | 1086 | 1089 | 1093 | rVB2 | 19126 | 16524 | 1.30% | 0.092% |
| 10 | 8.592 | 1102 | 1106 | 1109 | rBV | 50090 | 42720 | 3.35% | 0.237% |
| 11 | 8.810 | 1137 | 1143 | 1145 | rBV3 | 21637 | 25607 | 2.01% | 0.142% |
| 12 | 9.022 | 1177 | 1179 | 1182 | rVB3 | 23626 | 21867 | 1.72% | 0.121% |
| 13 | 9.063 | 1182 | 1186 | 1189 | rBV | 1673775 | 1275030 | 100.00% | 7.083% |
| 14 | 9.157 | 1196 | 1202 | 1205 | rBV | 90492 | 78910 | 6.19% | 0.438% |
| 15 | 9.322 | 1226 | 1230 | 1237 | rBV10 | 15009 | 27709 | 2.17% | 0.154% |
| 16 | 9.457 | 1250 | 1253 | 1255 | rBV | 391998 | 323118 | 25.34% | 1.795% |
| 17 | 9.527 | 1263 | 1265 | 1268 | rVB3 | 15206 | 16326 | 1.28% | 0.091% |
| 18 | 9.686 | 1289 | 1292 | 1296 | rVB | 107444 | 88254 | 6.92% | 0.490% |
| 19 | 9.739 | 1296 | 1301 | 1304 | rBV | 950355 | 872634 | 68.44% | 4.847% |
| 20 | 9.922 | 1327 | 1332 | 1334 | rBV5 | 17798 | 28681 | 2.25% | 0.159% |
| 21 | 9.945 | 1334 | 1336 | 1339 | rVB4 | 28058 | 24464 | 1.92% | 0.136% |
| 22 | 10.004 | 1344 | 1346 | 1350 | rVB3 | 28641 | 31203 | 2.45% | 0.173% |
| 23 | 10.180 | 1373 | 1376 | 1379 | rVB | 141543 | 105119 | 8.24% | 0.584% |
| 24 | 10.233 | 1383 | 1385 | 1391 | rVB5 | 12757 | 20398 | 1.60% | 0.113% |
| 25 | 10.280 | 1391 | 1393 | 1395 | rBV | 26921 | 19930 | 1.56% | 0.111% |
| 26 | 10.404 | 1409 | 1414 | 1416 | rBV | 49229 | 56779 | 4.45% | 0.315% |
| 27 | 10.451 | 1420 | 1422 | 1425 | rVB | 22123 | 18654 | 1.46% | 0.104% |
| 28 | 10.480 | 1425 | 1427 | 1430 | rBV2 | 18142 | 18592 | 1.46% | 0.103% |
| 29 | 10.522 | 1430 | 1434 | 1438 | rBV | 726805 | 714187 | 56.01% | 3.967% |
| 30 | 10.651 | 1453 | 1456 | 1463 | rBV | 170696 | 179649 | 14.09% | 0.998% |
| 31 | 10.857 | 1487 | 1491 | 1493 | rBV4 | 18665 | 22402 | 1.76% | 0.124% |
| 32 | 10.974 | 1509 | 1511 | 1515 | rVB3 | 21050 | 22390 | 1.76% | 0.124% |
| 33 | 11.022 | 1515 | 1519 | 1524 | rVB6 | 17361 | 24726 | 1.94% | 0.137% |
| 34 | 11.098 | 1529 | 1532 | 1535 | rVV | 153554 | 130926 | 10.27% | 0.727% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109347.D
Acq On : 26 Sep 2018 19:55
Operator : JU/SJ
Sample : J4773-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CL-02-092518-B

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-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 11.127 | 1535 | 1537 | 1542 | rVB | 60380 | 57865 | 4.54% | 0.321% |
| 36 | 11.216 | 1548 | 1552 | 1554 | rBV | 844059 | 770462 | 60.43% | 4.280% |
| 37 | 11.233 | 1554 | 1555 | 1559 | rVB | 86922 | 62557 | 4.91% | 0.347% |
| 38 | 11.286 | 1559 | 1564 | 1567 | rBV2 | 34149 | 40184 | 3.15% | 0.223% |
| 39 | 11.474 | 1594 | 1596 | 1600 | rVB4 | 15418 | 16889 | 1.32% | 0.094% |
| 40 | 11.521 | 1601 | 1604 | 1607 | rBV | 115420 | 102557 | 8.04% | 0.570% |
| 41 | 11.621 | 1617 | 1621 | 1624 | rBV | 518206 | 414641 | 32.52% | 2.303% |
| 42 | 11.751 | 1639 | 1643 | 1647 | rBV2 | 83656 | 85526 | 6.71% | 0.475% |
| 43 | 11.821 | 1653 | 1655 | 1658 | rBV2 | 34259 | 35634 | 2.79% | 0.198% |
| 44 | 11.927 | 1670 | 1673 | 1679 | rBV | 104442 | 87625 | 6.87% | 0.487% |
| 45 | 12.080 | 1697 | 1699 | 1705 | rBV6 | 16709 | 22405 | 1.76% | 0.124% |
| 46 | 12.263 | 1727 | 1730 | 1733 | rBV2 | 18576 | 19354 | 1.52% | 0.108% |
| 47 | 12.304 | 1733 | 1737 | 1739 | rBV | 1262634 | 1250935 | 98.11% | 6.949% |
| 48 | 12.321 | 1739 | 1740 | 1747 | rVB | 1288219 | 1065917 | 83.60% | 5.921% |
| 49 | 12.410 | 1752 | 1755 | 1760 | rVV2 | 259671 | 277067 | 21.73% | 1.539% |
| 50 | 12.457 | 1760 | 1763 | 1771 | rVB9 | 18845 | 35934 | 2.82% | 0.200% |
| 51 | 12.533 | 1773 | 1776 | 1781 | rBV5 | 16317 | 24306 | 1.91% | 0.135% |
| 52 | 12.645 | 1790 | 1795 | 1799 | rBV | 114647 | 120577 | 9.46% | 0.670% |
| 53 | 12.686 | 1799 | 1802 | 1805 | rVB | 61033 | 47247 | 3.71% | 0.262% |
| 54 | 12.792 | 1817 | 1820 | 1824 | rBV | 1183190 | 1023059 | 80.24% | 5.683% |
| 55 | 12.974 | 1849 | 1851 | 1855 | rVB2 | 28567 | 23492 | 1.84% | 0.130% |
| 56 | 13.039 | 1859 | 1862 | 1866 | rBV2 | 70290 | 75112 | 5.89% | 0.417% |
| 57 | 13.080 | 1866 | 1869 | 1872 | rVV2 | 18723 | 17788 | 1.40% | 0.099% |
| 58 | 13.168 | 1882 | 1884 | 1887 | rVB2 | 21126 | 16918 | 1.33% | 0.094% |
| 59 | 13.198 | 1887 | 1889 | 1893 | rBV2 | 17438 | 19928 | 1.56% | 0.111% |
| 60 | 13.245 | 1894 | 1897 | 1900 | rBV4 | 20247 | 27722 | 2.17% | 0.154% |
| 61 | 13.380 | 1917 | 1920 | 1925 | rBV | 52573 | 50350 | 3.95% | 0.280% |
| 62 | 13.551 | 1946 | 1949 | 1952 | rVB4 | 23800 | 28151 | 2.21% | 0.156% |
| 63 | 13.710 | 1972 | 1976 | 1984 | rVB | 122441 | 169058 | 13.26% | 0.939% |
| 64 | 13.839 | 1994 | 1998 | 2001 | rBV | 866325 | 803957 | 63.05% | 4.466% |
| 65 | 14.021 | 2027 | 2029 | 2032 | rVB2 | 46811 | 40710 | 3.19% | 0.226% |
| 66 | 14.327 | 2078 | 2081 | 2083 | rBV | 57691 | 56658 | 4.44% | 0.315% |
| 67 | 14.621 | 2129 | 2131 | 2134 | rBV | 61400 | 62090 | 4.87% | 0.345% |
| 68 | 14.692 | 2140 | 2143 | 2146 | rVB | 75878 | 74430 | 5.84% | 0.413% |
| 69 | 15.245 | 2232 | 2237 | 2241 | rBV | 489238 | 554368 | 43.48% | 3.079% |

Sum of corrected areas: 18002335

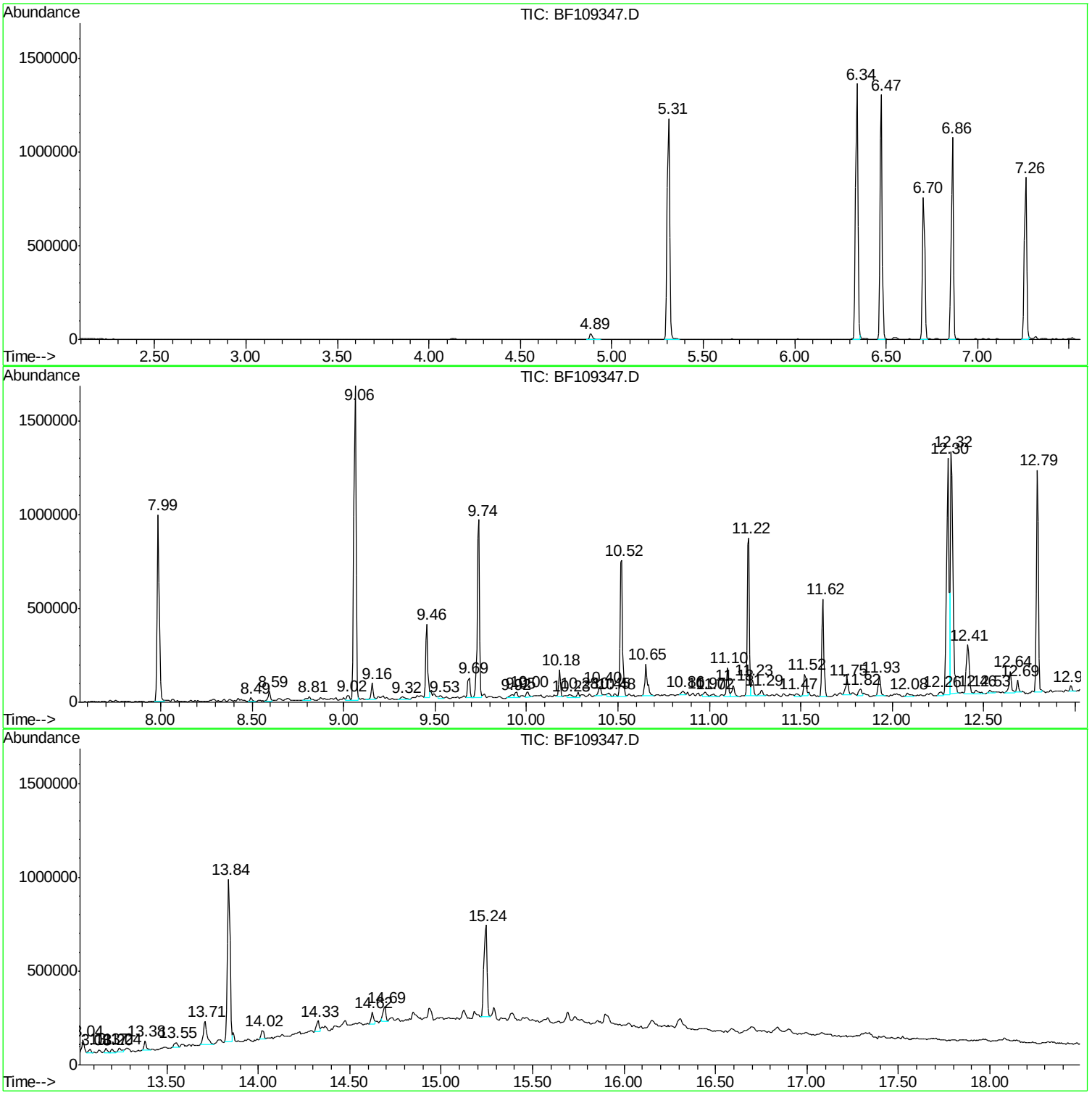
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109347.D
Acq On : 26 Sep 2018 19:55
Operator : JU/SJ
Sample : J4773-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CL-02-092518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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\BF092618\
Data File : BF109347.D
Acq On : 26 Sep 2018 19:55
Operator : JU/SJ
Sample : J4773-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CL-02-092518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

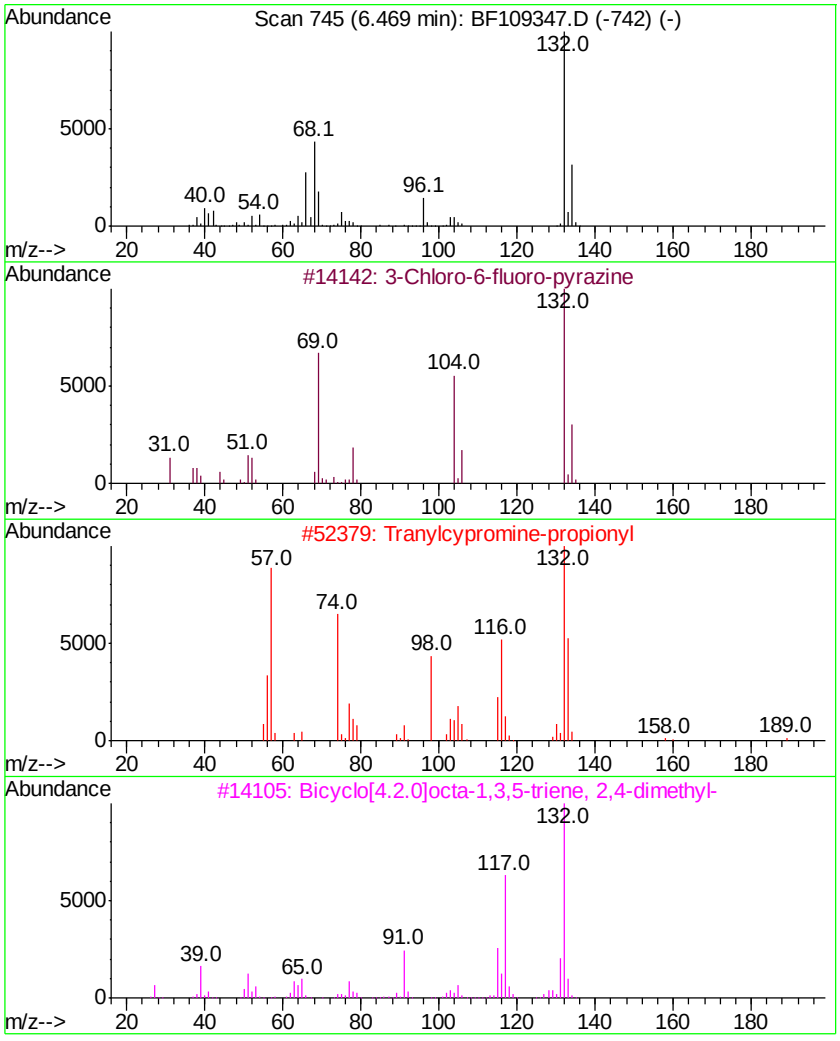
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

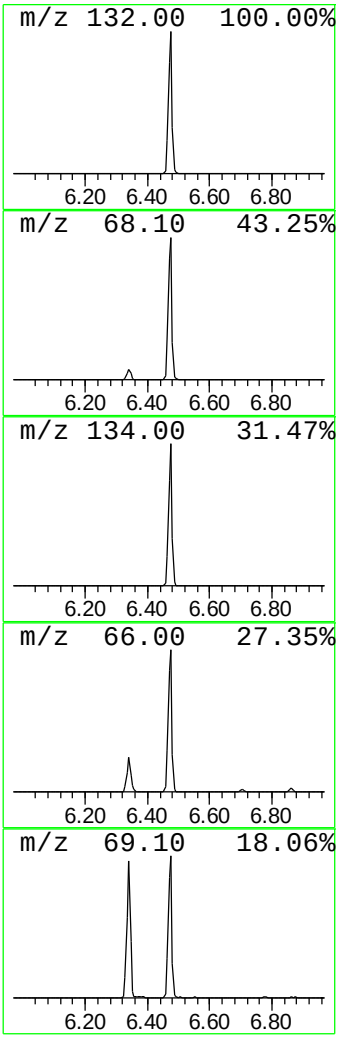
**********

Peak Number 1 unknown6.47 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.47 | 37.38 ng | 1115710 | 1,4-Dichlorobenzene-d4 | 6.70 |

| 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 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 4 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |
| 5 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109347.D
Acq On : 26 Sep 2018 19:55
Operator : JU/SJ
Sample : J4773-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CL-02-092518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

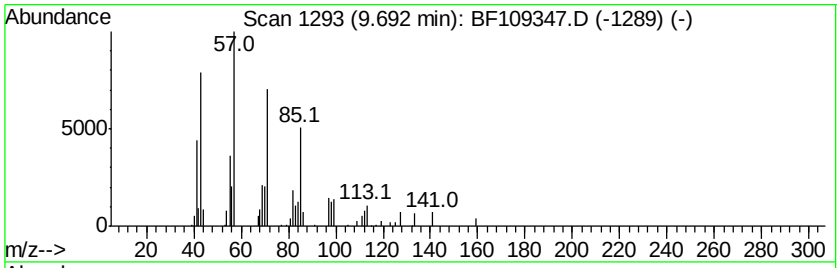
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

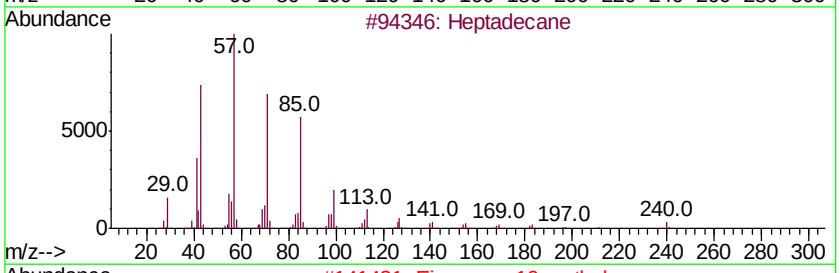
**********

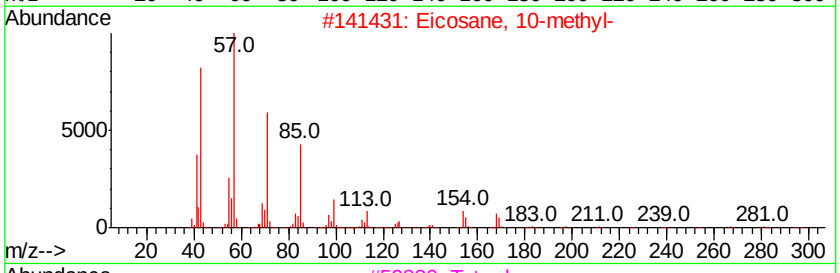
Peak Number 3 Heptadecane Concentration Rank 15

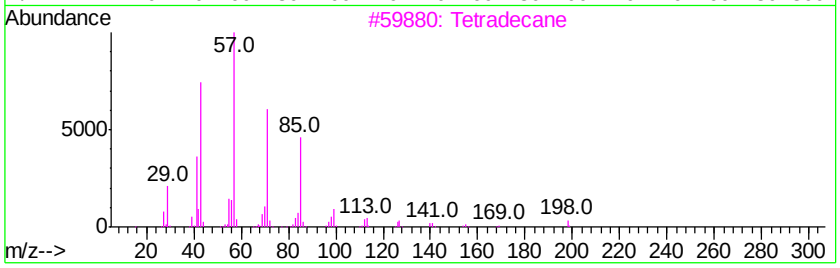
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.69 | 2.02 ng | 88254 | Acenaphthene-d10 | 9.74 |

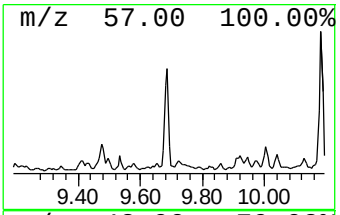
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 90 |
| 2 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 86 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |
| 4 | Tridecane, 7-propyl- | 226 | C16H34 | 055045-09-5 | 80 |
| 5 | 9-methylheptadecane | 254 | C18H38 | 026741-18-4 | 78 |

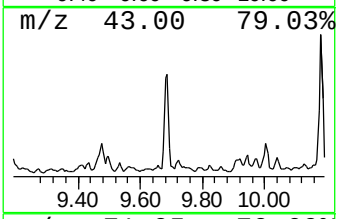


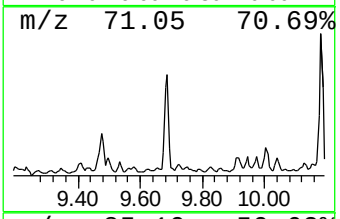



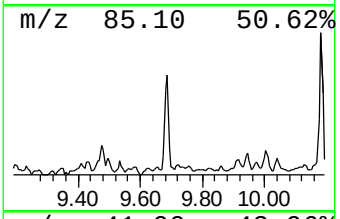



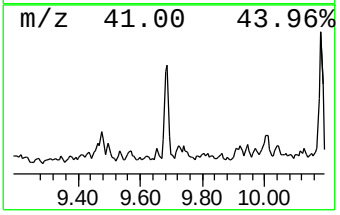



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109347.D
Acq On : 26 Sep 2018 19:55
Operator : JU/SJ
Sample : J4773-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CL-02-092518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

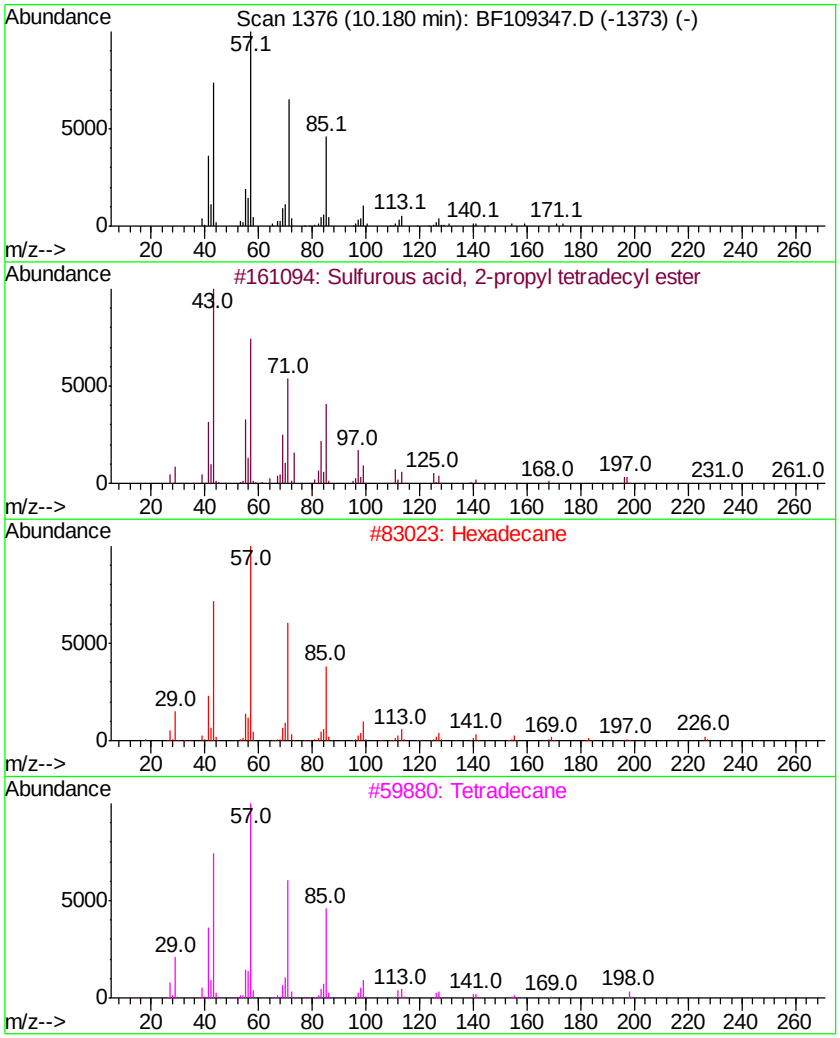
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

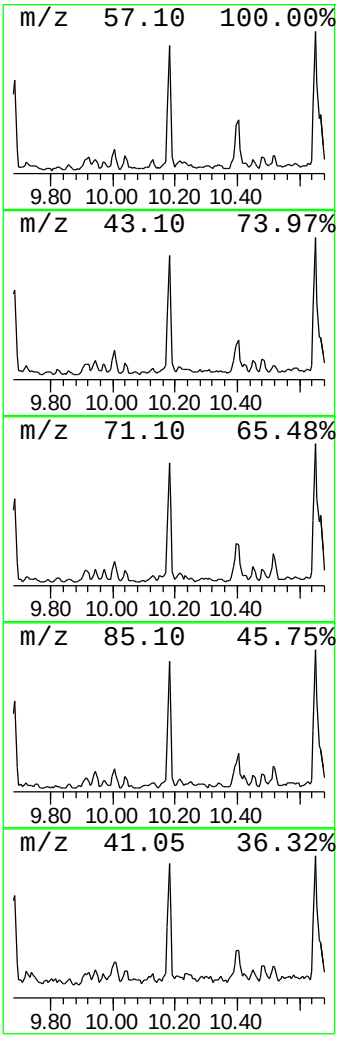
**********

Peak Number 4 Sulfurous acid, 2-propyl te... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.18 | 2.41 ng | 105119 | Acenaphthene-d10 | 9.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfurous acid, 2-propyl tetrade... | 320 | C17H36O3S | 1000309-12-5 | 90 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 4 | Pentadecane | 212 | C15H32 | 000629-62-9 | 86 |
| 5 | Eicosane | 282 | C20H42 | 000112-95-8 | 86 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109347.D
Acq On : 26 Sep 2018 19:55
Operator : JU/SJ
Sample : J4773-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CL-02-092518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

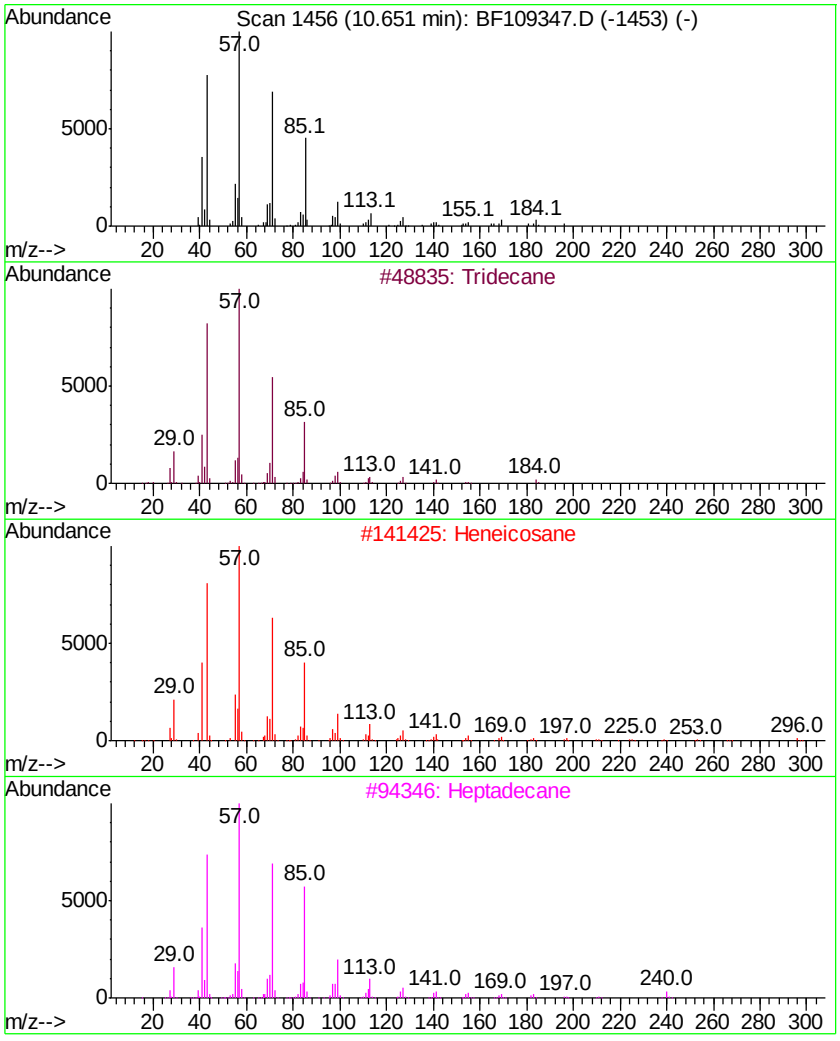
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

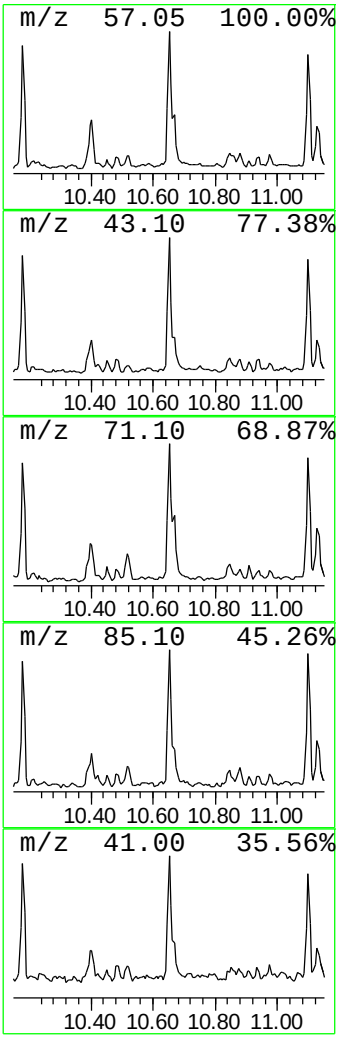
**********

Peak Number 5 Tridecane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.65 | 4.66 ng | 179649 | Phenanthrene-d10 | 11.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 93 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Heptadecane | 240 | C17H36 | 000629-78-7 | 91 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109347.D
Acq On : 26 Sep 2018 19:55
Operator : JU/SJ
Sample : J4773-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CL-02-092518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

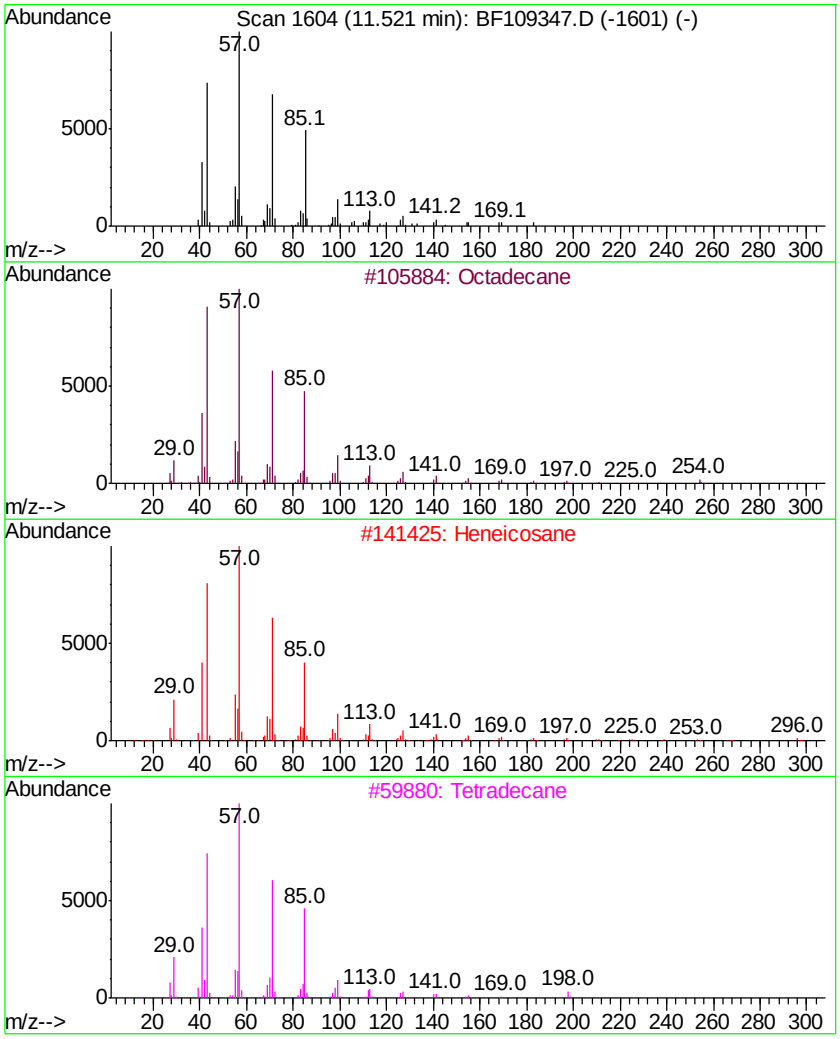
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

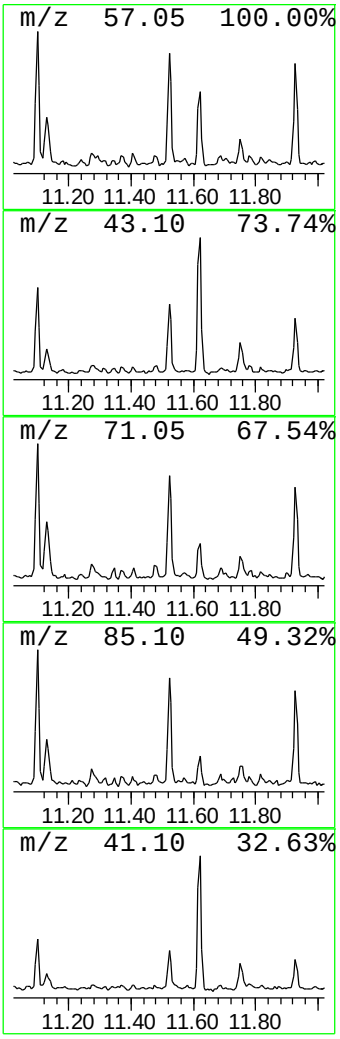
**********

Peak Number 7 Octadecane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.52 | 2.66 ng | 102557 | Phenanthrene-d10 | 11.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 91 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 5 | Heptadecane | 240 | C17H36 | 000629-78-7 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109347.D
Acq On : 26 Sep 2018 19:55
Operator : JU/SJ
Sample : J4773-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CL-02-092518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

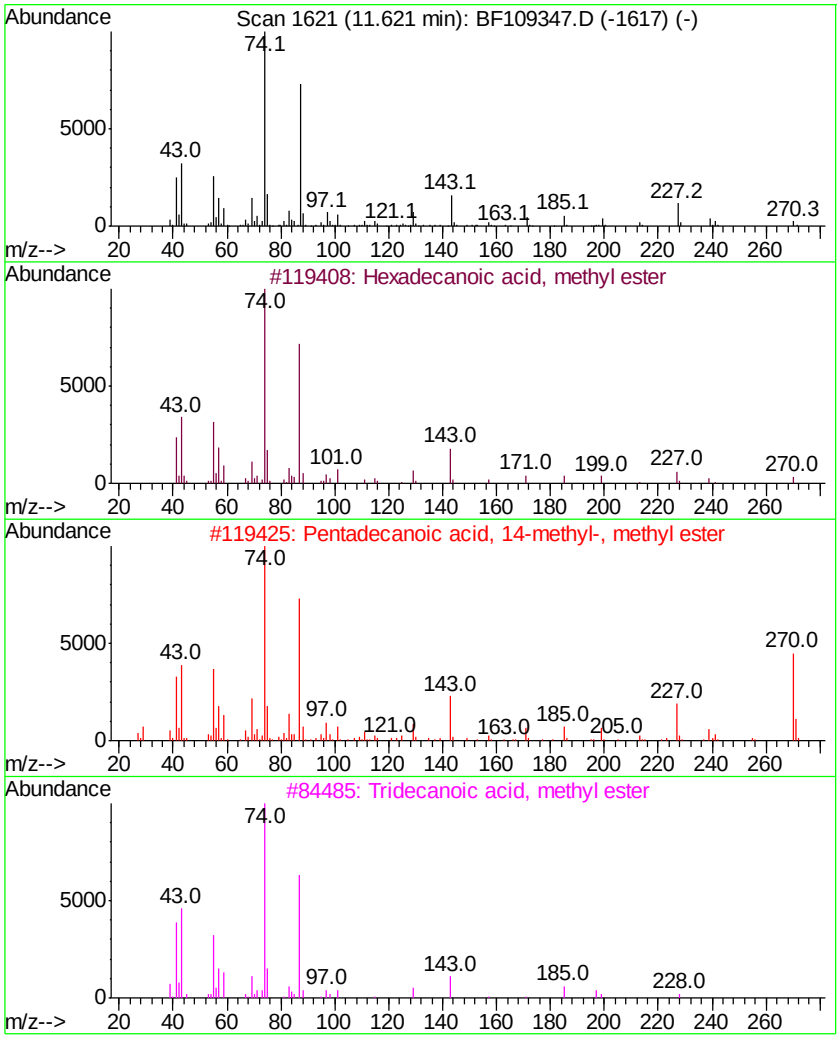
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

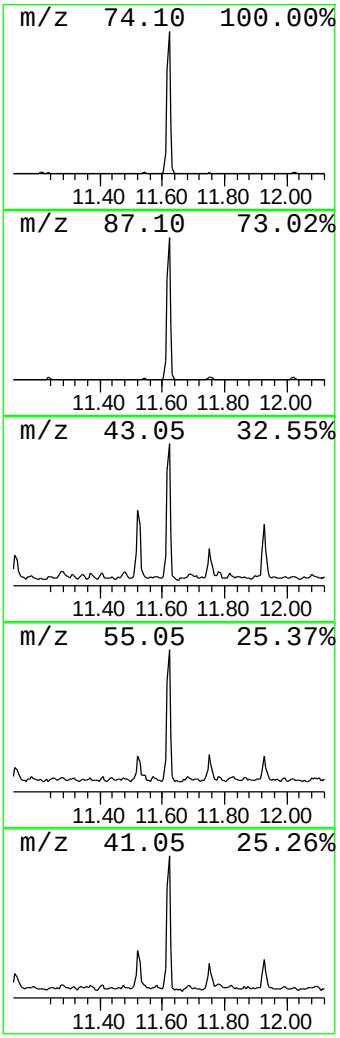
**********

Peak Number 8 Hexadecanoic acid, methyl e... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.62 | 10.76 ng | 414641 | Phenanthrene-d10 | 11.22 |

| 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 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 86 |
| 5 | Tridecanoic acid, 12-methyl-, me... | 242 | C15H30O2 | 005129-58-8 | 83 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109347.D
Acq On : 26 Sep 2018 19:55
Operator : JU/SJ
Sample : J4773-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CL-02-092518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

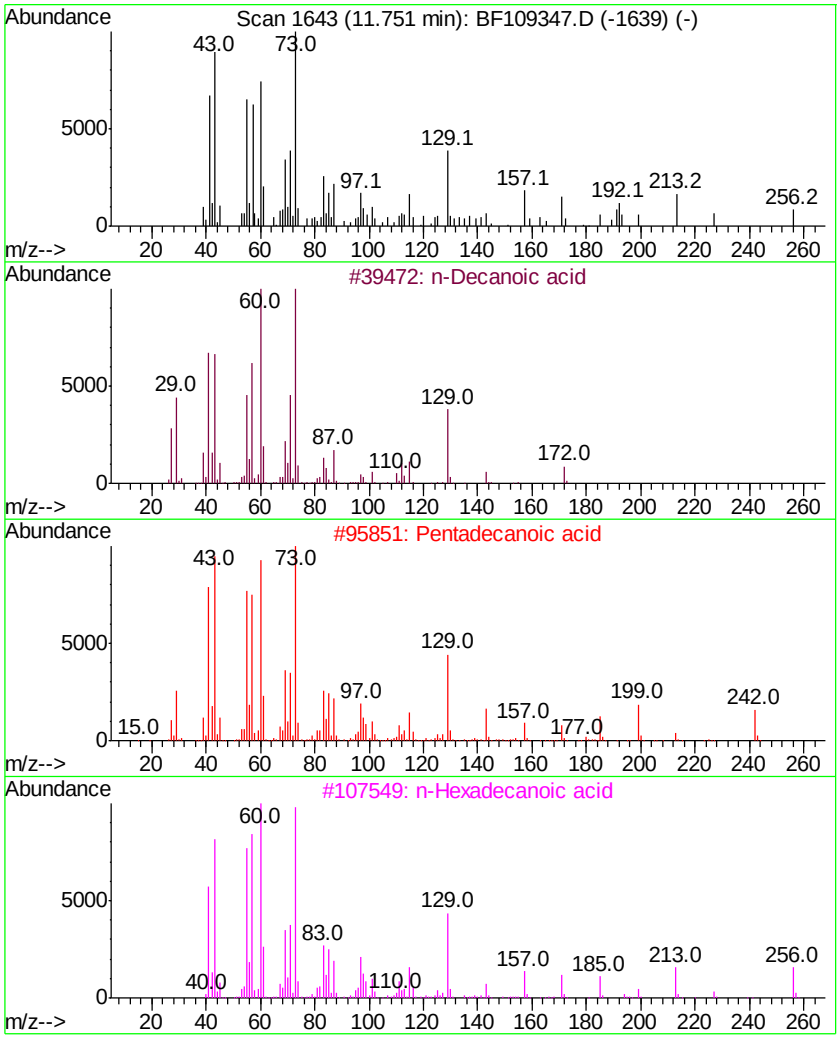
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

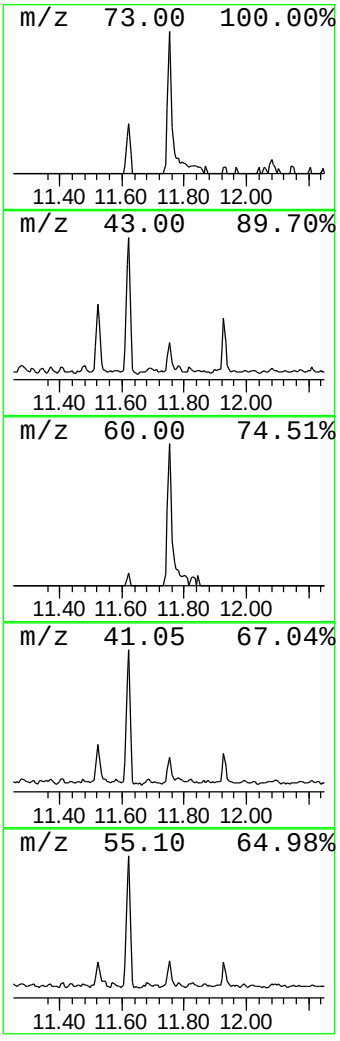
**********

Peak Number 9 n-Decanoic acid Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.75 | 2.22 ng | 85526 | Phenanthrene-d10 | 11.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 87 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 64 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 64 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 53 |
| 5 | Dodecanoic acid | 200 | C12H24O2 | 000143-07-7 | 52 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109347.D
Acq On : 26 Sep 2018 19:55
Operator : JU/SJ
Sample : J4773-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CL-02-092518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

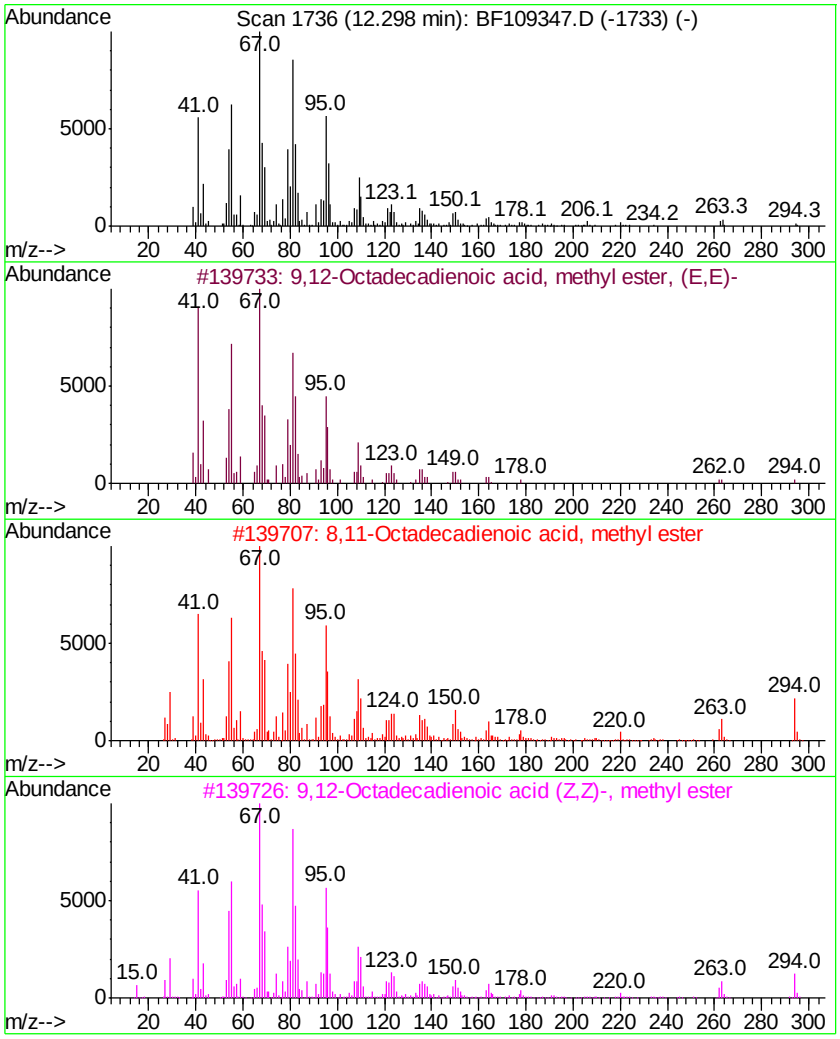
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

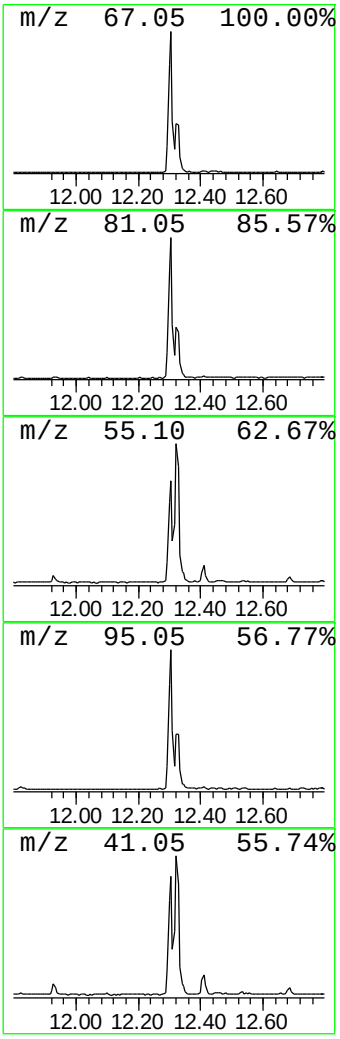
**********

Peak Number 11 9,12-Octadecadienoic acid, ... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.30 | 32.47 ng | 1250940 | Phenanthrene-d10 | 11.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002566-97-4 | 99 |
| 2 | 8,11-Octadecadienoic acid, methy... | 294 | C19H34O2 | 056599-58-7 | 99 |
| 3 | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 99 |
| 4 | 10,13-Octadecadienoic acid, meth... | 294 | C19H34O2 | 056554-62-2 | 98 |
| 5 | 9,12-Octadecadienoic acid (Z,Z)- | 280 | C18H32O2 | 000060-33-3 | 95 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109347.D
Acq On : 26 Sep 2018 19:55
Operator : JU/SJ
Sample : J4773-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CL-02-092518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

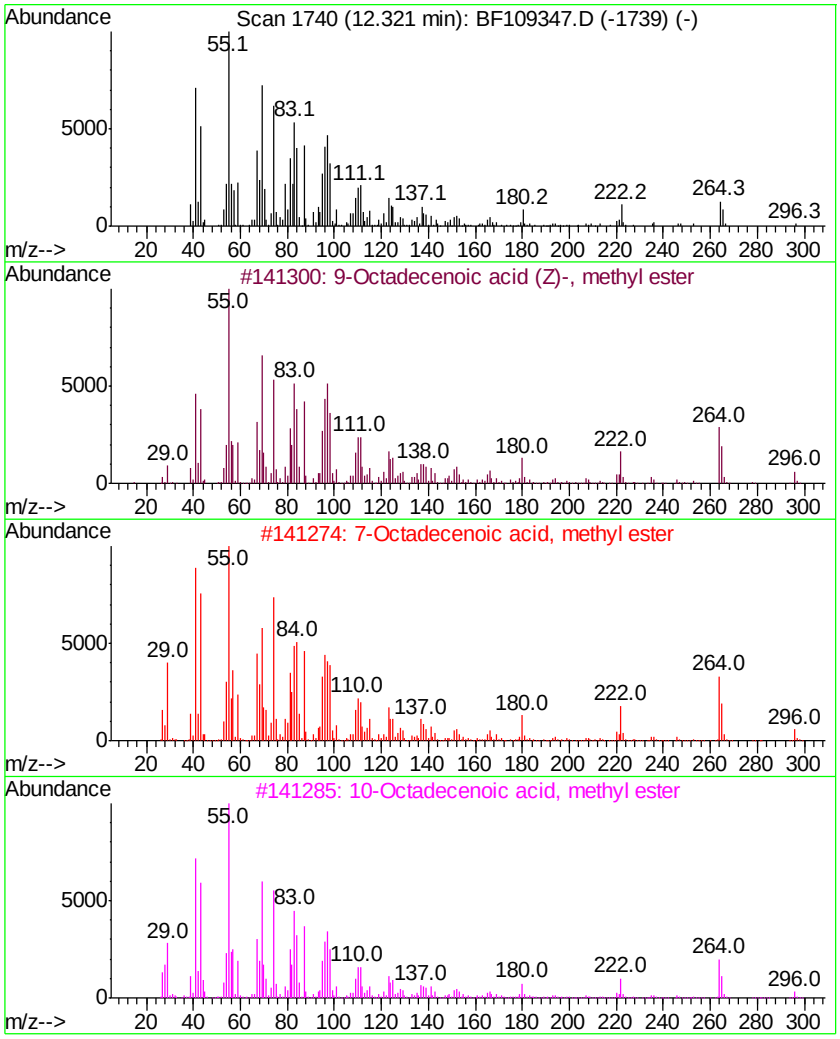
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

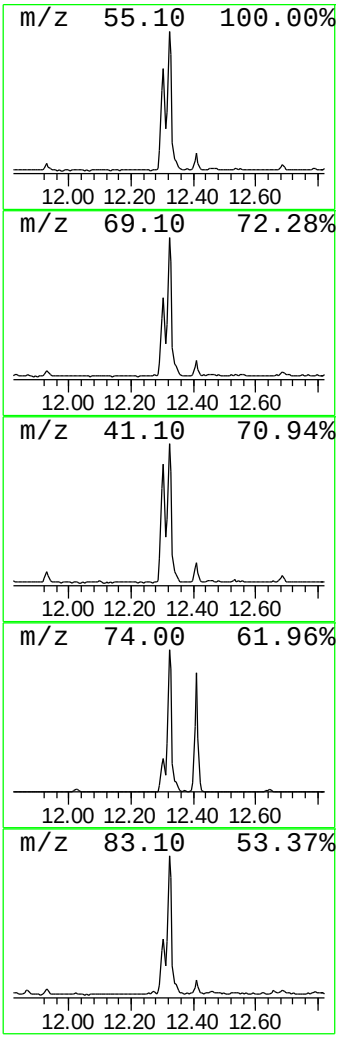
**********

Peak Number 12 9-Octadecenoic acid (Z)-, m... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.32 | 27.67 ng | 1065920 | Phenanthrene-d10 | 11.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9 | 99 |
| 2 | 7-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 057396-98-2 | 99 |
| 3 | 10-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 013481-95-3 | 99 |
| 4 | 9-Octadecenoic acid, methyl este... | 296 | C19H36O2 | 001937-62-8 | 99 |
| 5 | 8-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 002345-29-1 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109347.D
Acq On : 26 Sep 2018 19:55
Operator : JU/SJ
Sample : J4773-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CL-02-092518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

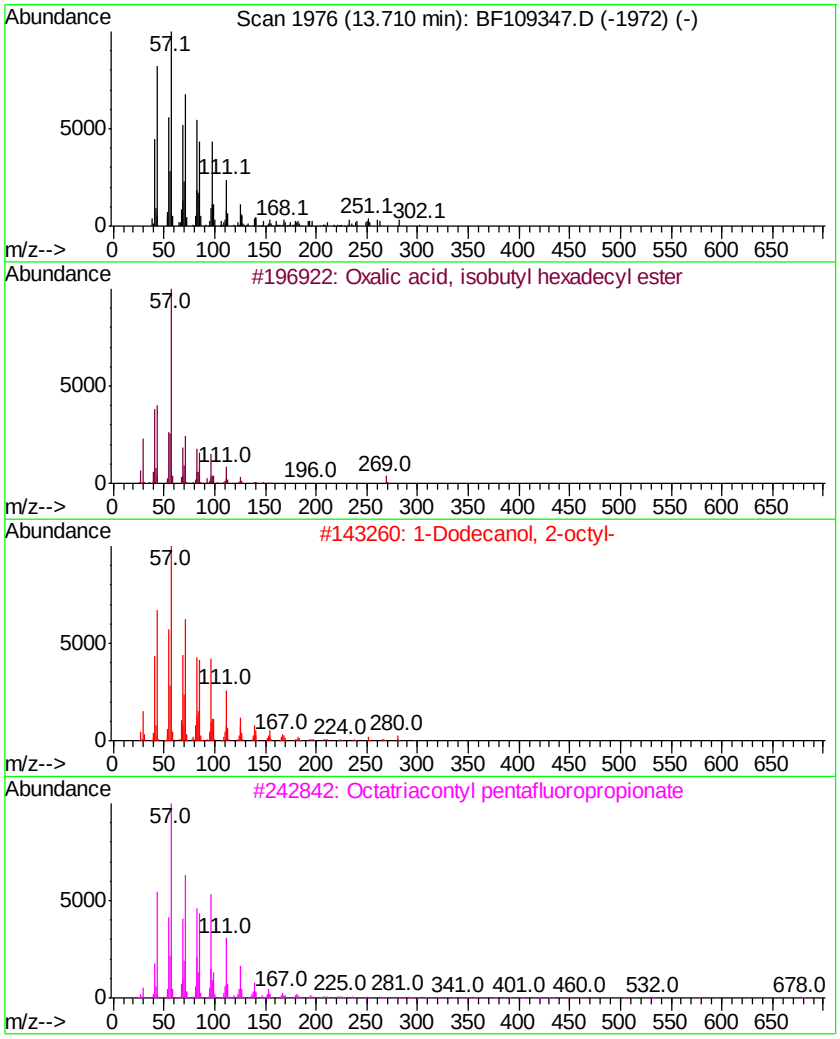
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

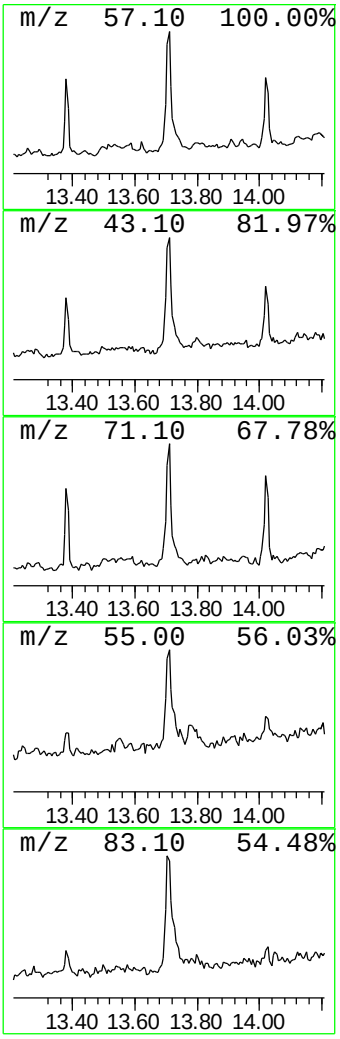
**********

Peak Number 13 Oxalic acid, isobutyl hexad... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.71 | 4.21 ng | 169058 | Chrysene-d12 | 13.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxalic acid, isobutyl hexadecyl ... | 370 | C22H42O4 | 1000309-38-1 | 90 |
| 2 | 1-Dodecanol, 2-octyl- | 298 | C20H42O | 005333-42-6 | 90 |
| 3 | Octatriacontyl pentafluoropropio... | 697 | C41H77F5O2 | 1000351-89-1 | 90 |
| 4 | Cyclotetradecane | 196 | C14H28 | 000295-17-0 | 86 |
| 5 | 1-Dodecanol, 2-hexyl- | 270 | C18H38O | 110225-00-8 | 81 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109347.D
Acq On : 26 Sep 2018 19:55
Operator : JU/SJ
Sample : J4773-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CL-02-092518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

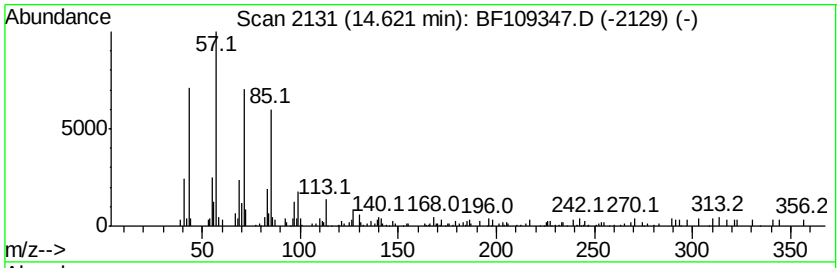
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

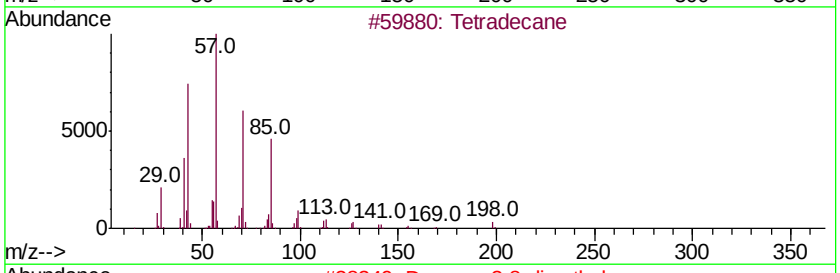
**********

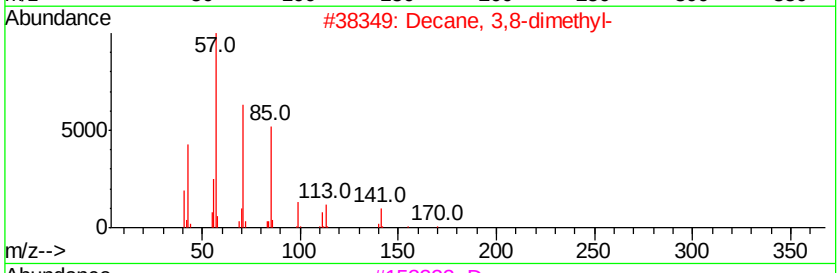
Peak Number 14 Tetradecane Concentration Rank 13

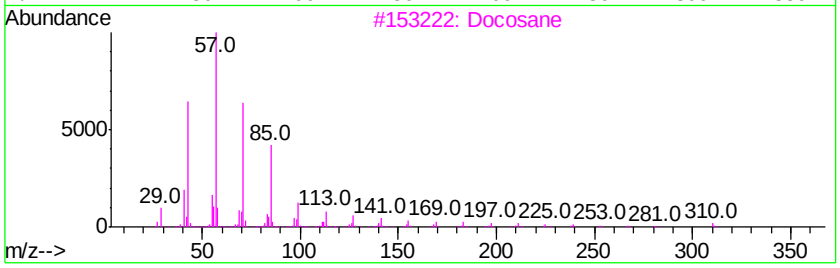
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.62 | 2.24 ng | 62090 | Perylene-d12 | 15.24 |

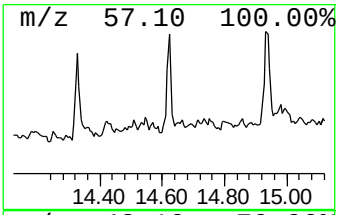
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 70 |
| 2 | Decane, 3,8-dimethyl- | 170 | C12H26 | 017312-55-9 | 64 |
| 3 | Docosane | 310 | C22H46 | 000629-97-0 | 58 |
| 4 | Sulfurous acid, butyl dodecyl ester | 306 | C16H34O3S | 1000309-17-9 | 58 |
| 5 | Hexacosane | 366 | C26H54 | 000630-01-3 | 52 |

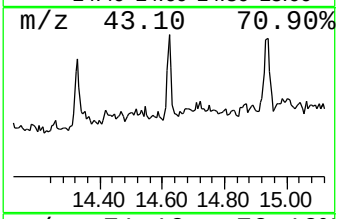


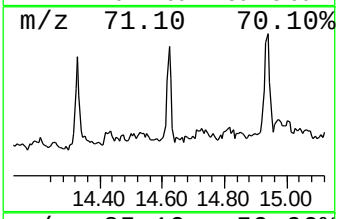



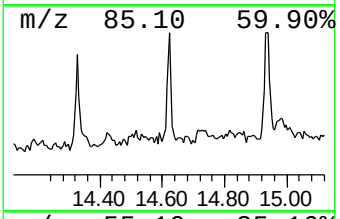



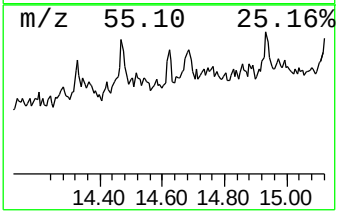



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
Data File : BF109347.D
Acq On : 26 Sep 2018 19:55
Operator : JU/SJ
Sample : J4773-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CL-02-092518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

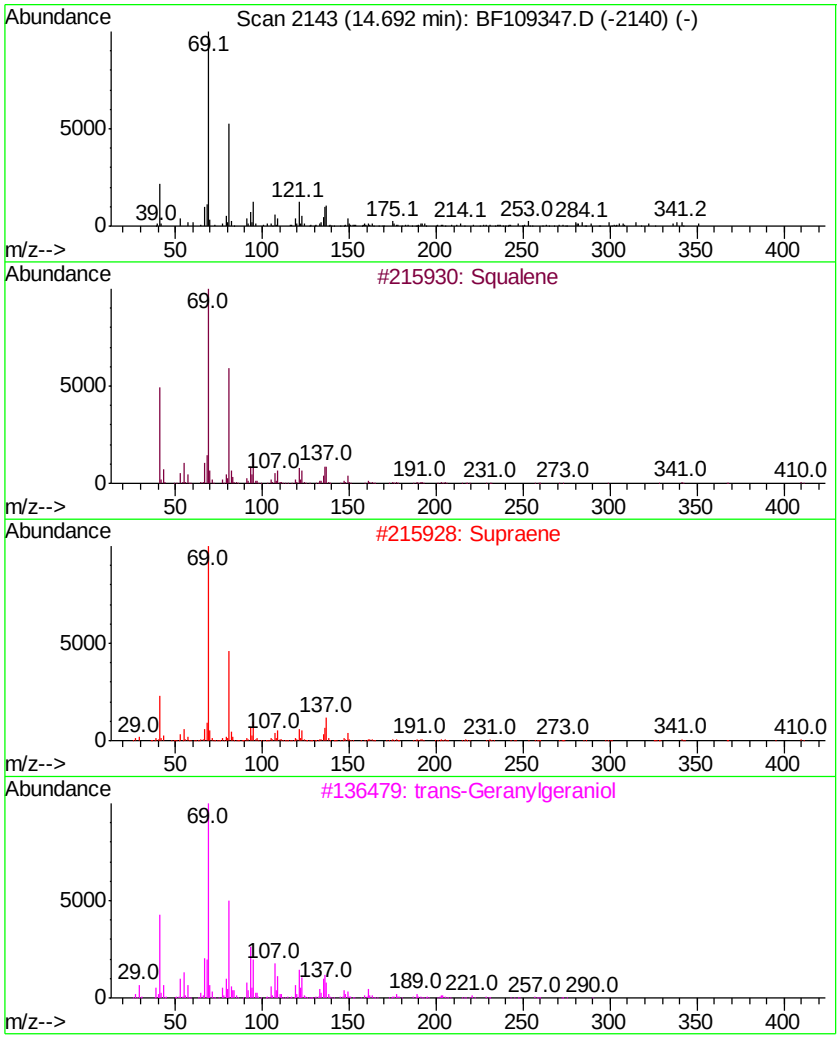
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

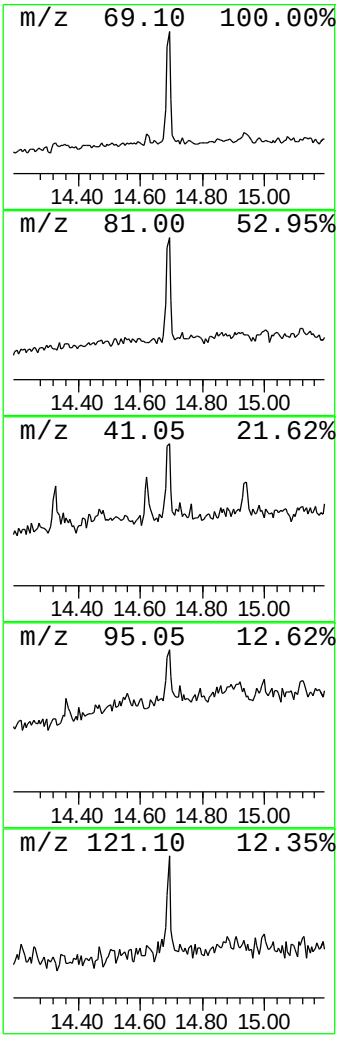
**********

Peak Number 15 Squalene Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.69 | 2.69 ng | 74430 | Perylene-d12 | 15.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Squalene | 410 | C30H50 | 000111-02-4 | 86 |
| 2 | Supraene | 410 | C30H50 | 007683-64-9 | 80 |
| 3 | trans-Geranylgeraniol | 290 | C20H34O | 024034-73-9 | 64 |
| 4 | Cyclopropanecarboxylic acid, 4-i... | 204 | C13H16O2 | 1000331-01-9 | 58 |
| 5 | 4,9,13,17-Tetramethyl-4,8,12,16-... | 316 | C22H36O | 056882-09-8 | 56 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092618\
Data File : BF109347.D
Acq On : 26 Sep 2018 19:55
Operator : JU/SJ
Sample : J4773-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** CL-02-092518-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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 |
| unknown6.47 | 6.47 | 37.4 | ng | 1115710 | 1 | 6.70 | 596881 | 20.0 |
| Heptadecane | 9.69 | 2.0 | ng | 88254 | 3 | 9.74 | 872634 | 20.0 |
| Sulfurous acid, 2... | 10.18 | 2.4 | ng | 105119 | 3 | 9.74 | 872634 | 20.0 |
| Tridecane | 10.65 | 4.7 | ng | 179649 | 4 | 11.22 | 770462 | 20.0 |
| Octadecane | 11.52 | 2.7 | ng | 102557 | 4 | 11.22 | 770462 | 20.0 |
| Hexadecanoic acid... | 11.62 | 10.8 | ng | 414641 | 4 | 11.22 | 770462 | 20.0 |
| n-Decanoic acid | 11.75 | 2.2 | ng | 85526 | 4 | 11.22 | 770462 | 20.0 |
| 9,12-Octadecadien... | 12.30 | 32.5 | ng | 1250940 | 4 | 11.22 | 770462 | 20.0 |
| 9-Octadecenoic ac... | 12.32 | 27.7 | ng | 1065920 | 4 | 11.22 | 770462 | 20.0 |
| Oxalic acid, isob... | 13.71 | 4.2 | ng | 169058 | 5 | 13.84 | 803957 | 20.0 |
| Tetradecane | 14.62 | 2.2 | ng | 62090 | 6 | 15.24 | 554368 | 20.0 |
| Squalene | 14.69 | 2.7 | ng | 74430 | 6 | 15.24 | 554368 | 20.0 |