LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109276.D
Acq On : 24 Sep 2018 19:03
Operator : JU/SJ
Sample : J4770-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-092118-H

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 | 5.310 | 545 | 548 | 561 | rVB | 739885 | 662839 | 16.51% | 3.005% |
| 2 | 6.339 | 720 | 723 | 734 | rVB | 842024 | 659090 | 16.41% | 2.988% |
| 3 | 6.475 | 742 | 746 | 750 | rBV | 870547 | 684767 | 17.05% | 3.105% |
| 4 | 6.710 | 782 | 786 | 789 | rBV | 731910 | 564553 | 14.06% | 2.560% |
| 5 | 6.863 | 809 | 812 | 816 | rBV | 618408 | 519991 | 12.95% | 2.358% |
| 6 | 7.263 | 877 | 880 | 884 | rBV | 464323 | 376634 | 9.38% | 1.708% |
| 7 | 7.992 | 1000 | 1004 | 1007 | rBV | 818717 | 671530 | 16.72% | 3.045% |
| 8 | 9.063 | 1183 | 1186 | 1190 | rBV | 896854 | 660109 | 16.44% | 2.993% |
| 9 | 9.457 | 1250 | 1253 | 1259 | rBV | 200773 | 157441 | 3.92% | 0.714% |
| 10 | 9.739 | 1297 | 1301 | 1305 | rBV2 | 883157 | 726979 | 18.10% | 3.296% |
| 11 | 10.186 | 1373 | 1377 | 1379 | rBV | 67276 | 57622 | 1.43% | 0.261% |
| 12 | 10.404 | 1410 | 1414 | 1416 | rBV | 41332 | 43028 | 1.07% | 0.195% |
| 13 | 10.522 | 1430 | 1434 | 1439 | rBV | 544110 | 436885 | 10.88% | 1.981% |
| 14 | 10.657 | 1453 | 1457 | 1464 | rBV | 119567 | 159988 | 3.98% | 0.725% |
| 15 | 11.104 | 1530 | 1533 | 1536 | rBV2 | 119141 | 118235 | 2.94% | 0.536% |
| 16 | 11.133 | 1536 | 1538 | 1543 | rVB | 78808 | 71245 | 1.77% | 0.323% |
| 17 | 11.216 | 1549 | 1552 | 1555 | rBV | 923256 | 820114 | 20.42% | 3.719% |
| 18 | 11.239 | 1555 | 1556 | 1560 | rVV | 242431 | 136187 | 3.39% | 0.618% |
| 19 | 11.292 | 1562 | 1565 | 1568 | rVB | 79294 | 72242 | 1.80% | 0.328% |
| 20 | 11.527 | 1602 | 1605 | 1607 | rBV | 135877 | 100728 | 2.51% | 0.457% |
| 21 | 11.621 | 1618 | 1621 | 1625 | rVB | 1082463 | 906085 | 22.56% | 4.108% |
| 22 | 11.757 | 1640 | 1644 | 1647 | rBV2 | 149446 | 163517 | 4.07% | 0.741% |
| 23 | 11.827 | 1653 | 1656 | 1659 | rBV2 | 88359 | 98268 | 2.45% | 0.446% |
| 24 | 11.933 | 1671 | 1674 | 1680 | rVB | 140540 | 138155 | 3.44% | 0.626% |
| 25 | 12.268 | 1728 | 1731 | 1734 | rBV2 | 49526 | 47983 | 1.19% | 0.218% |
| 26 | 12.310 | 1734 | 1738 | 1740 | rBV | 3928435 | 4015722 | 100.00% | 18.208% |
| 27 | 12.333 | 1740 | 1742 | 1749 | rVB | 3452189 | 2885594 | 71.86% | 13.084% |
| 28 | 12.416 | 1752 | 1756 | 1760 | rBV2 | 858135 | 1133889 | 28.24% | 5.141% |
| 29 | 12.468 | 1762 | 1765 | 1772 | rVB3 | 158045 | 230583 | 5.74% | 1.046% |
| 30 | 12.651 | 1791 | 1796 | 1799 | rBV | 743726 | 724114 | 18.03% | 3.283% |
| 31 | 12.692 | 1800 | 1803 | 1807 | rVV2 | 88318 | 87660 | 2.18% | 0.397% |
| 32 | 12.798 | 1818 | 1821 | 1826 | rVB | 902938 | 738452 | 18.39% | 3.348% |
| 33 | 12.968 | 1847 | 1850 | 1852 | rBV3 | 139681 | 155703 | 3.88% | 0.706% |
| 34 | 13.045 | 1860 | 1863 | 1867 | rBV3 | 149913 | 181174 | 4.51% | 0.821% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109276.D
Acq On : 24 Sep 2018 19:03
Operator : JU/SJ
Sample : J4770-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-092118-H

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 | 13.080 | 1867 | 1869 | 1872 | rVB | 60246 | 54348 | 1.35% | 0.246% |
| 36 | 13.139 | 1876 | 1879 | 1881 | rBV2 | 103038 | 92446 | 2.30% | 0.419% |
| 37 | 13.174 | 1883 | 1885 | 1888 | rVB | 54340 | 41596 | 1.04% | 0.189% |
| 38 | 13.204 | 1888 | 1890 | 1894 | rBV3 | 54021 | 68191 | 1.70% | 0.309% |
| 39 | 13.386 | 1918 | 1921 | 1924 | rBV | 81839 | 82074 | 2.04% | 0.372% |
| 40 | 13.551 | 1947 | 1949 | 1952 | rVB3 | 51398 | 58029 | 1.45% | 0.263% |
| 41 | 13.710 | 1974 | 1976 | 1981 | rVB | 78083 | 78348 | 1.95% | 0.355% |
| 42 | 13.804 | 1989 | 1992 | 1994 | rBV | 77527 | 70279 | 1.75% | 0.319% |
| 43 | 13.845 | 1994 | 1999 | 2002 | rVV2 | 860791 | 1005851 | 25.05% | 4.561% |
| 44 | 13.868 | 2002 | 2003 | 2006 | rVB | 239269 | 141262 | 3.52% | 0.641% |
| 45 | 14.027 | 2028 | 2030 | 2033 | rVB2 | 58991 | 45947 | 1.14% | 0.208% |
| 46 | 14.727 | 2146 | 2149 | 2154 | rBV | 146369 | 178982 | 4.46% | 0.812% |
| 47 | 14.851 | 2167 | 2170 | 2179 | rVB | 188747 | 351019 | 8.74% | 1.592% |
| 48 | 15.192 | 2225 | 2228 | 2234 | rVB | 136423 | 152121 | 3.79% | 0.690% |
| 49 | 15.251 | 2234 | 2238 | 2241 | rBV | 384915 | 426689 | 10.63% | 1.935% |

Sum of corrected areas: 22054288

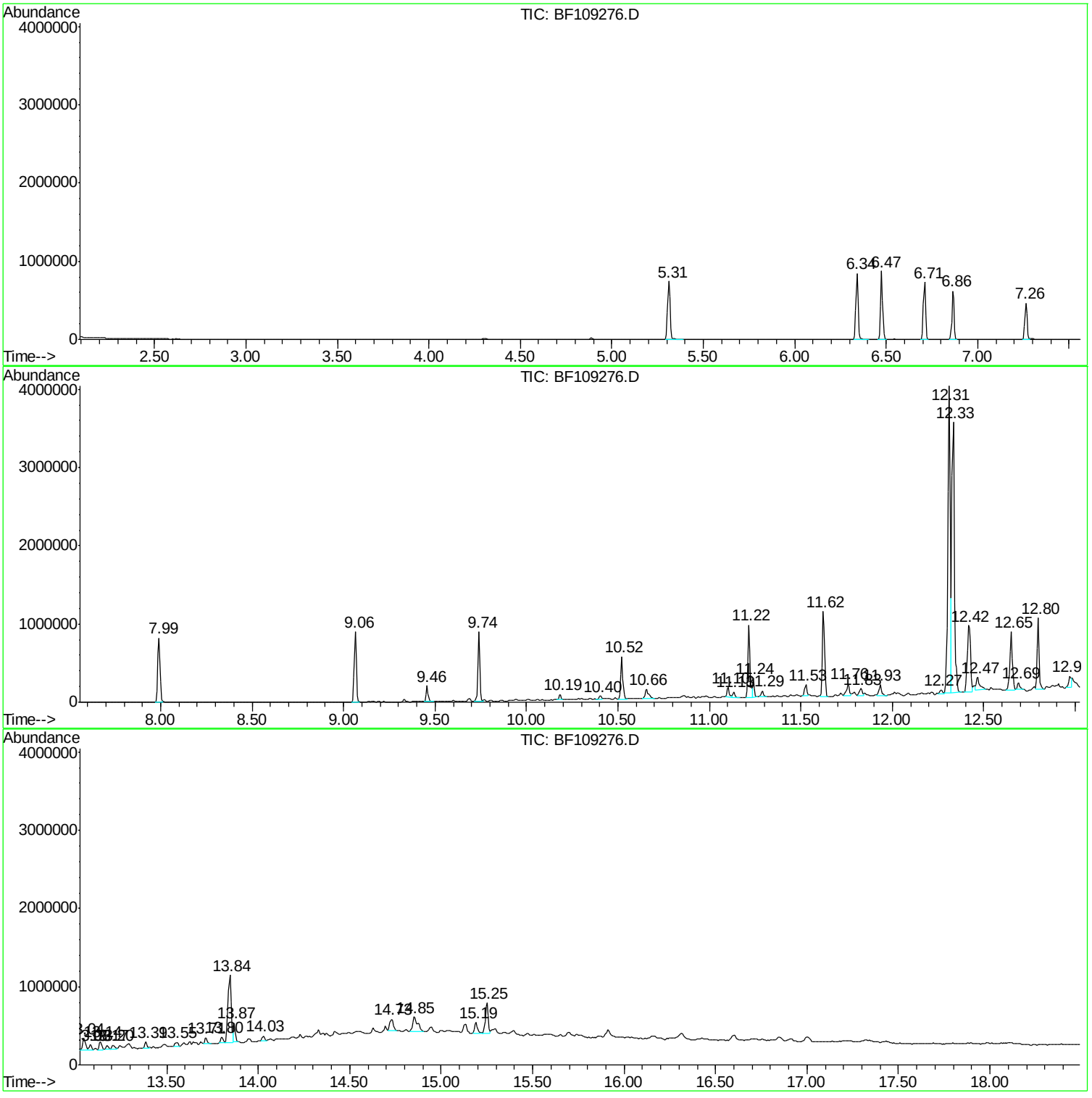
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109276.D
Acq On : 24 Sep 2018 19:03
Operator : JU/SJ
Sample : J4770-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-092118-H

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\BF092418\
Data File : BF109276.D
Acq On : 24 Sep 2018 19:03
Operator : JU/SJ
Sample : J4770-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-092118-H

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

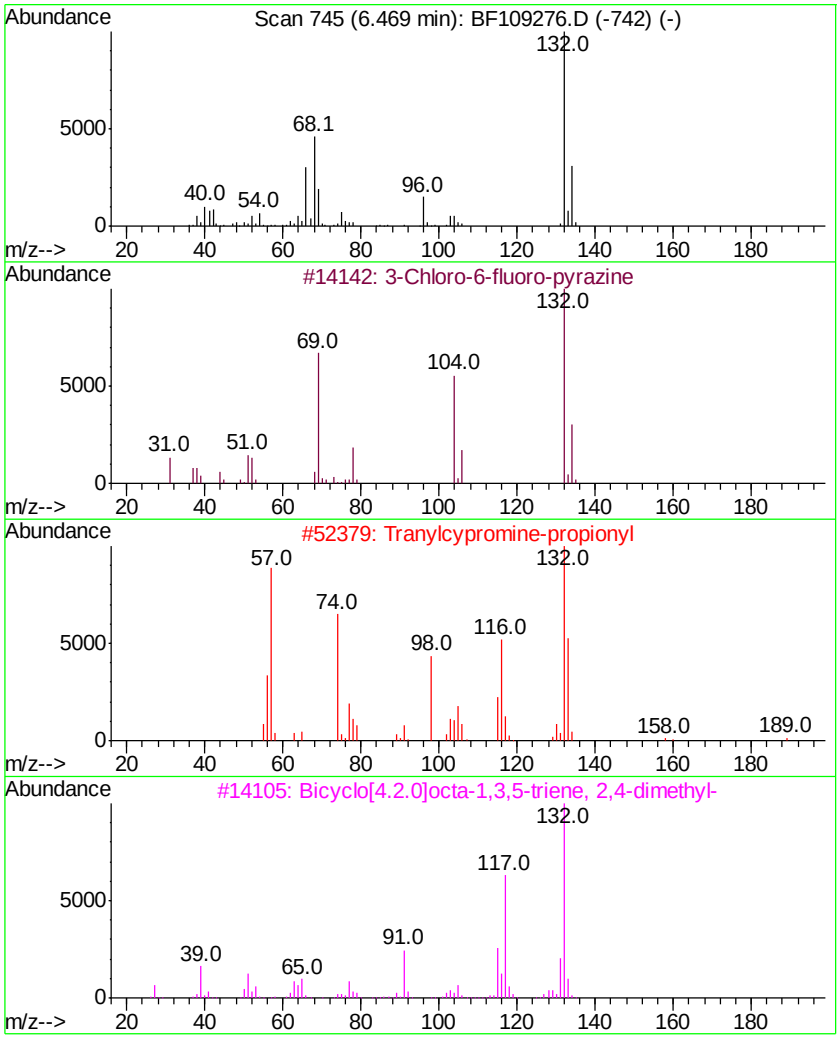
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

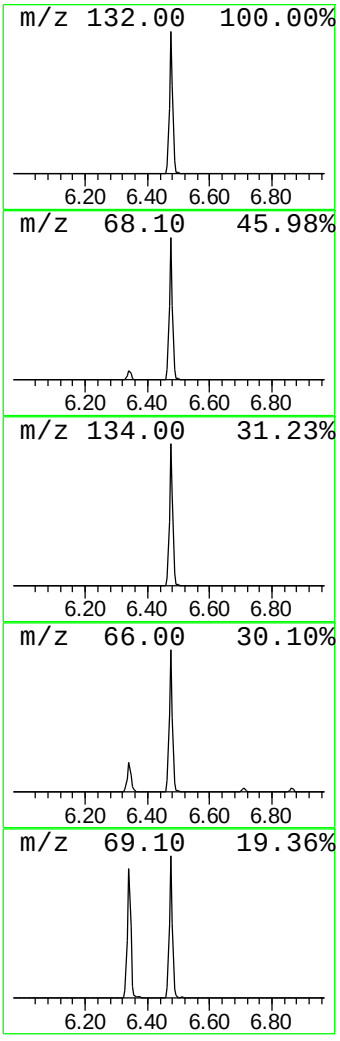
**********

Peak Number 1 unknown6.47 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.47 | 24.26 ng | 684767 | 1,4-Dichlorobenzene-d4 | 6.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 16 |
| 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 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 9 |
| 5 | 4-Chloro-2-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-00-5 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109276.D
Acq On : 24 Sep 2018 19:03
Operator : JU/SJ
Sample : J4770-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-092118-H

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

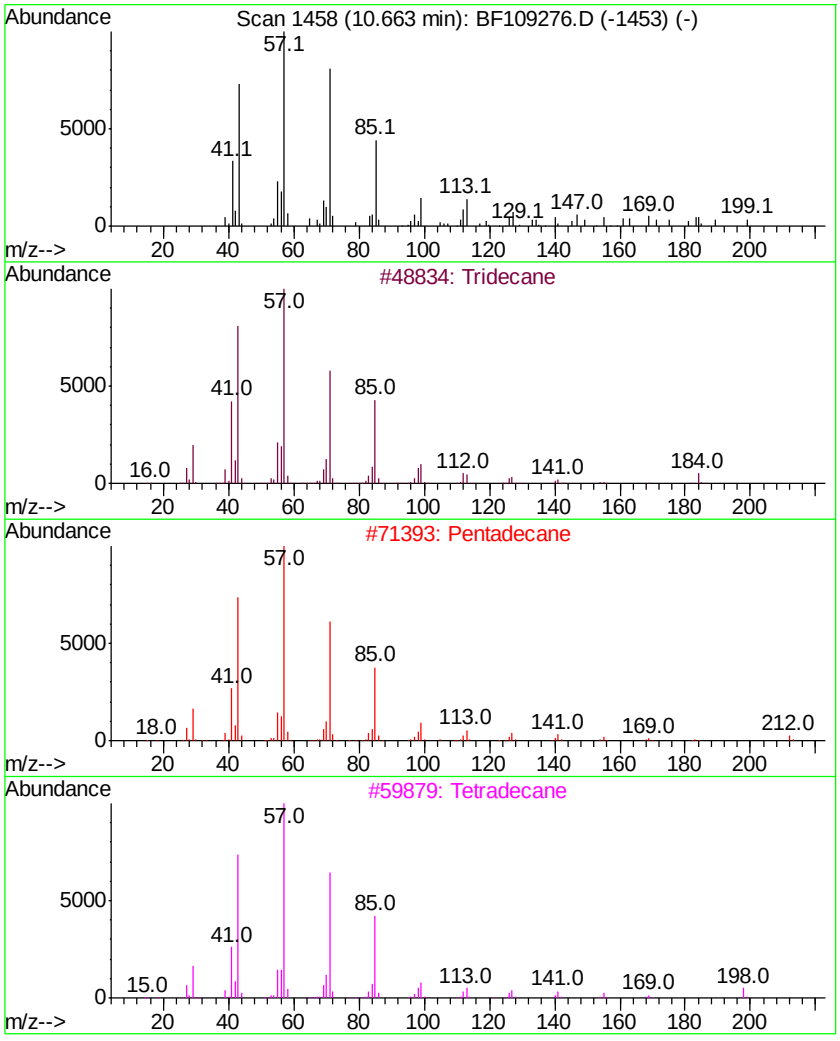
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

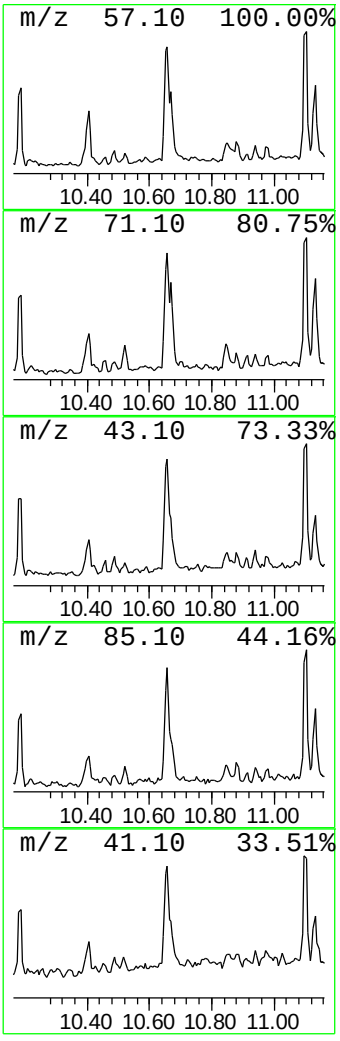
**********

Peak Number 3 Tridecane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.66 | 3.90 ng | 159988 | Phenanthrene-d10 | 11.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 93 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 86 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |
| 4 | Heptadecane | 240 | C17H36 | 000629-78-7 | 86 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 86 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109276.D
Acq On : 24 Sep 2018 19:03
Operator : JU/SJ
Sample : J4770-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-092118-H

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

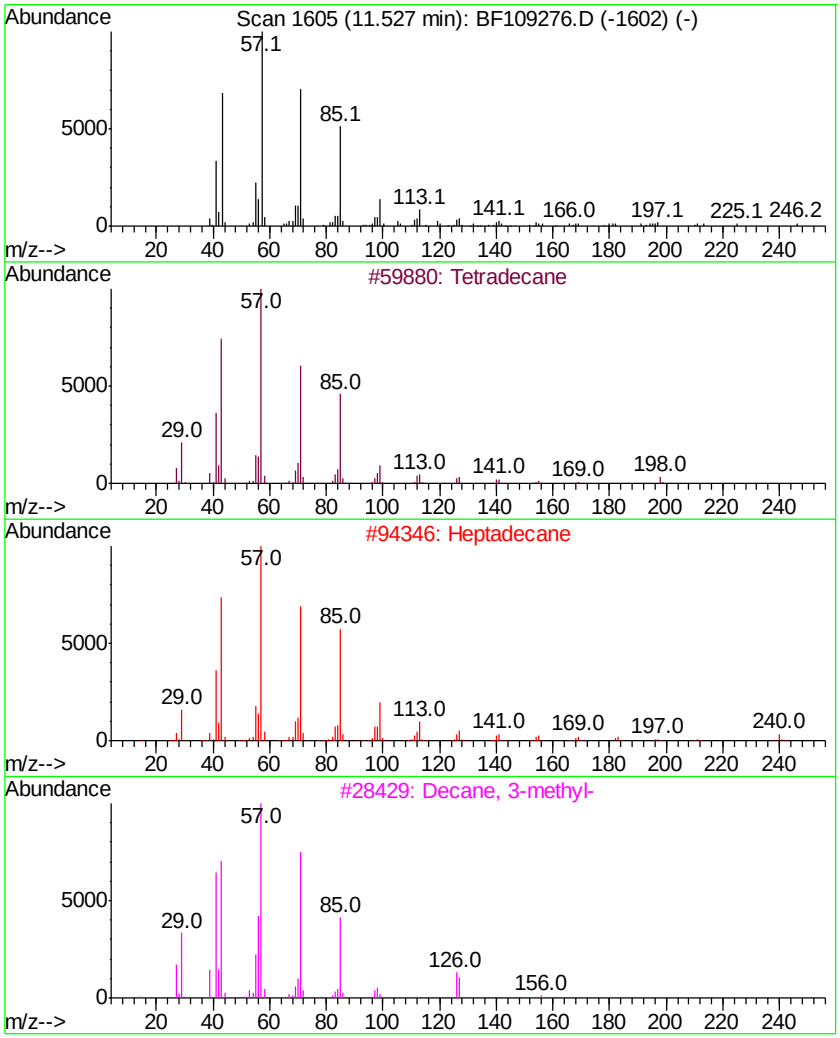
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

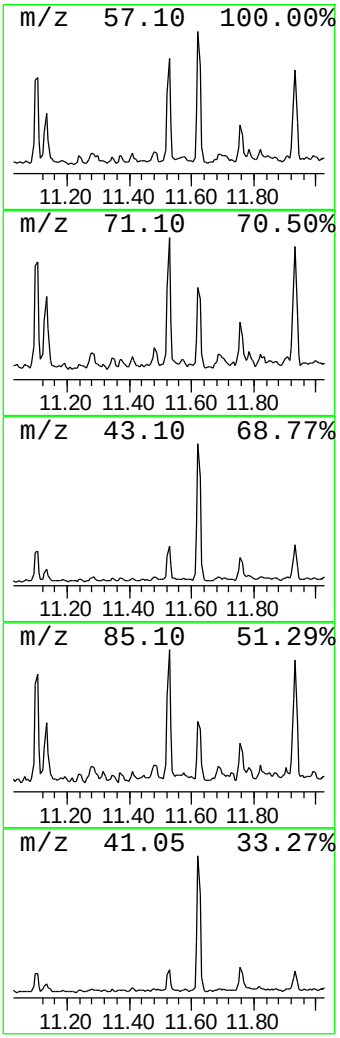
**********

Peak Number 5 Tetradecane Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.53 | 2.46 ng | 100728 | Phenanthrene-d10 | 11.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 83 |
| 3 | Decane, 3-methyl- | 156 | C11H24 | 013151-34-3 | 74 |
| 4 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 68 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 68 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109276.D
Acq On : 24 Sep 2018 19:03
Operator : JU/SJ
Sample : J4770-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-092118-H

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

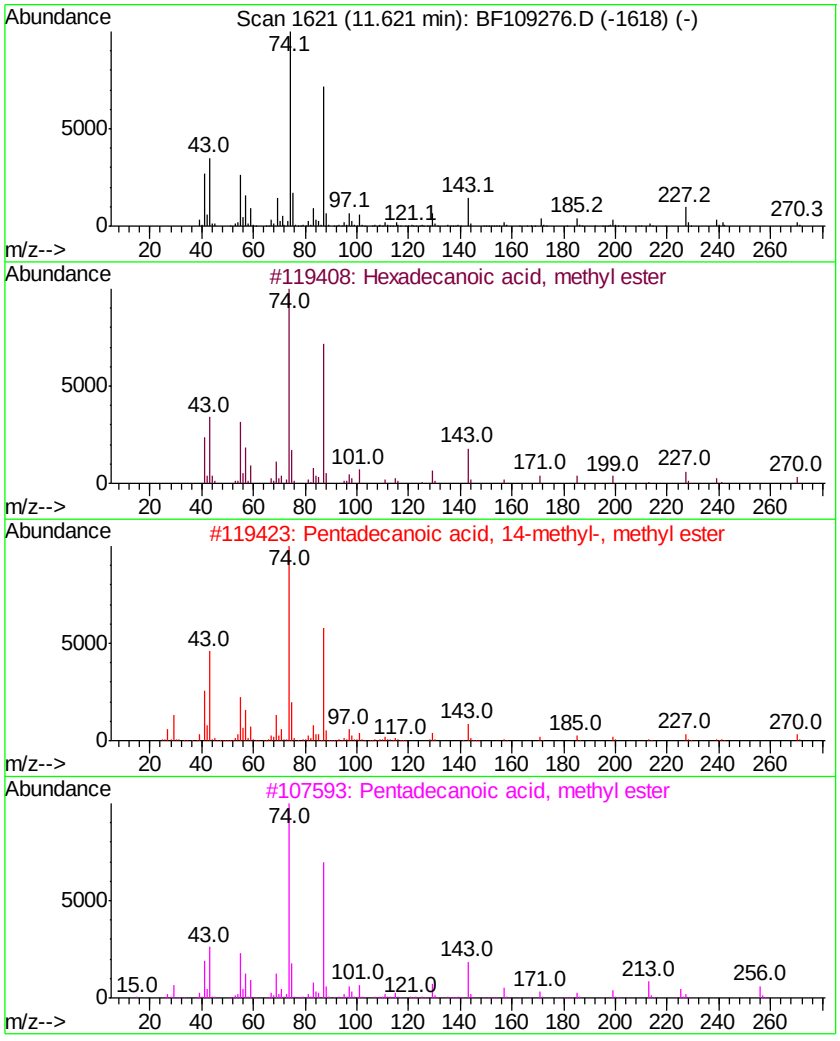
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

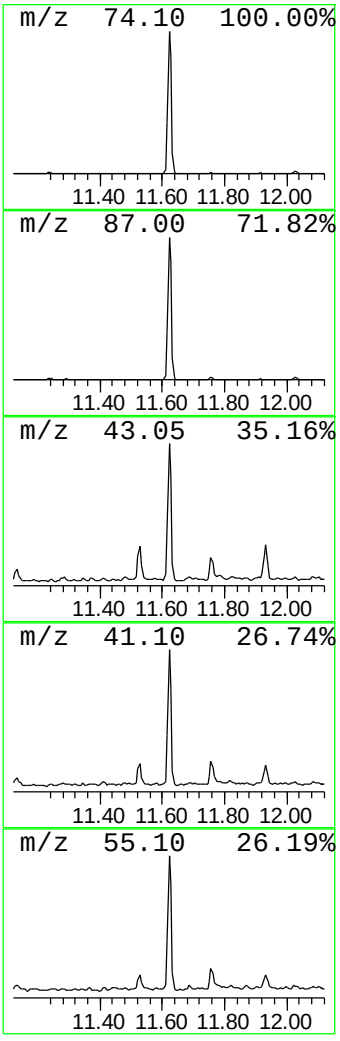
**********

Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.62 | 22.10 ng | 906085 | 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 | 87 |
| 3 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 86 |
| 4 | Dodecanoic acid, methyl ester | 214 | C13H26O2 | 000111-82-0 | 80 |
| 5 | Tridecanoic acid, methyl ester | 228 | C14H28O2 | 001731-88-0 | 80 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109276.D
Acq On : 24 Sep 2018 19:03
Operator : JU/SJ
Sample : J4770-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-092118-H

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

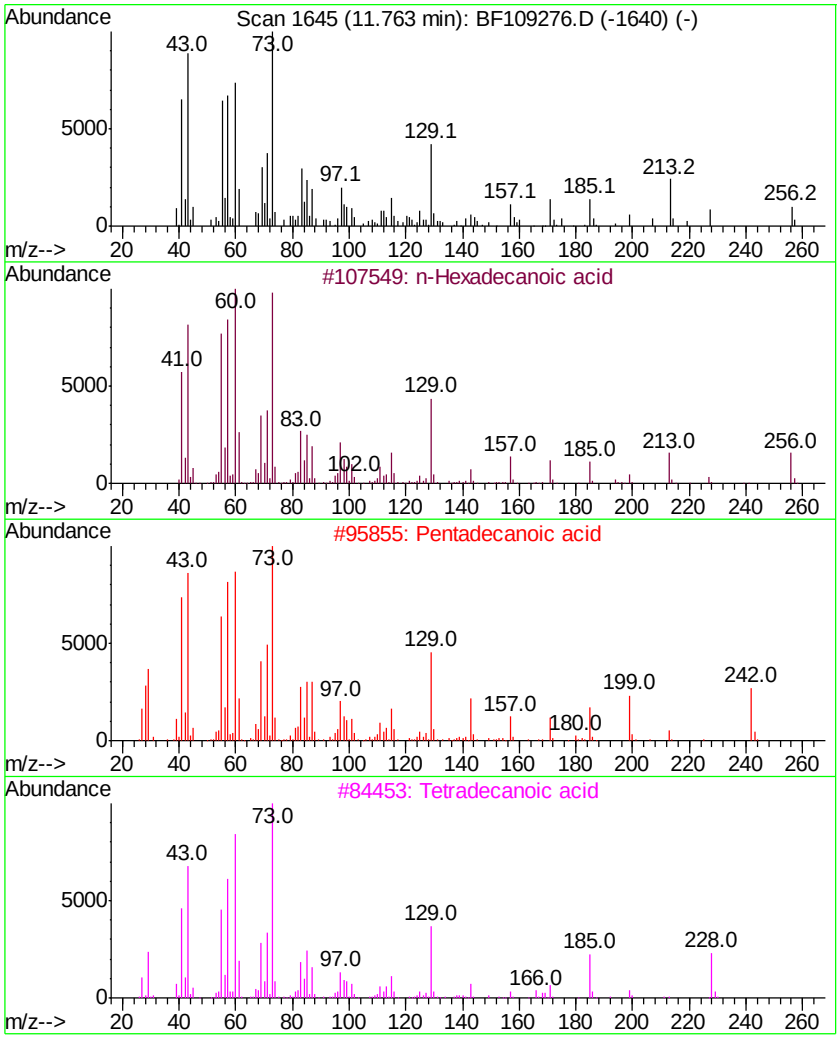
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

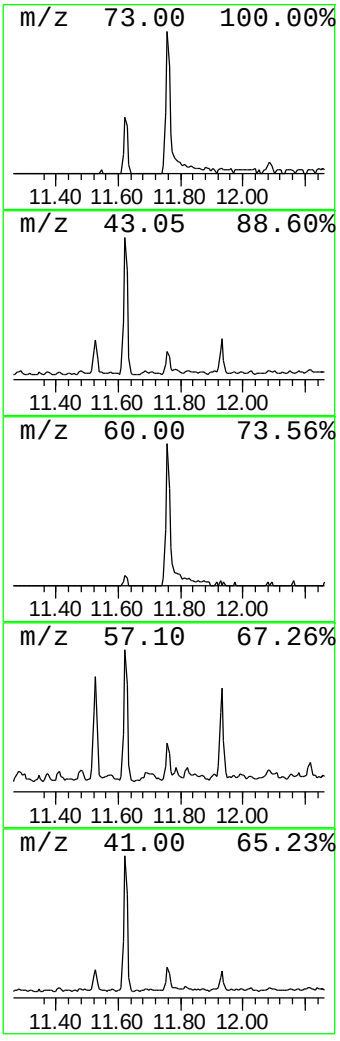
**********

Peak Number 7 n-Hexadecanoic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.76 | 3.99 ng | 163517 | Phenanthrene-d10 | 11.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 83 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 72 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109276.D
Acq On : 24 Sep 2018 19:03
Operator : JU/SJ
Sample : J4770-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-092118-H

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

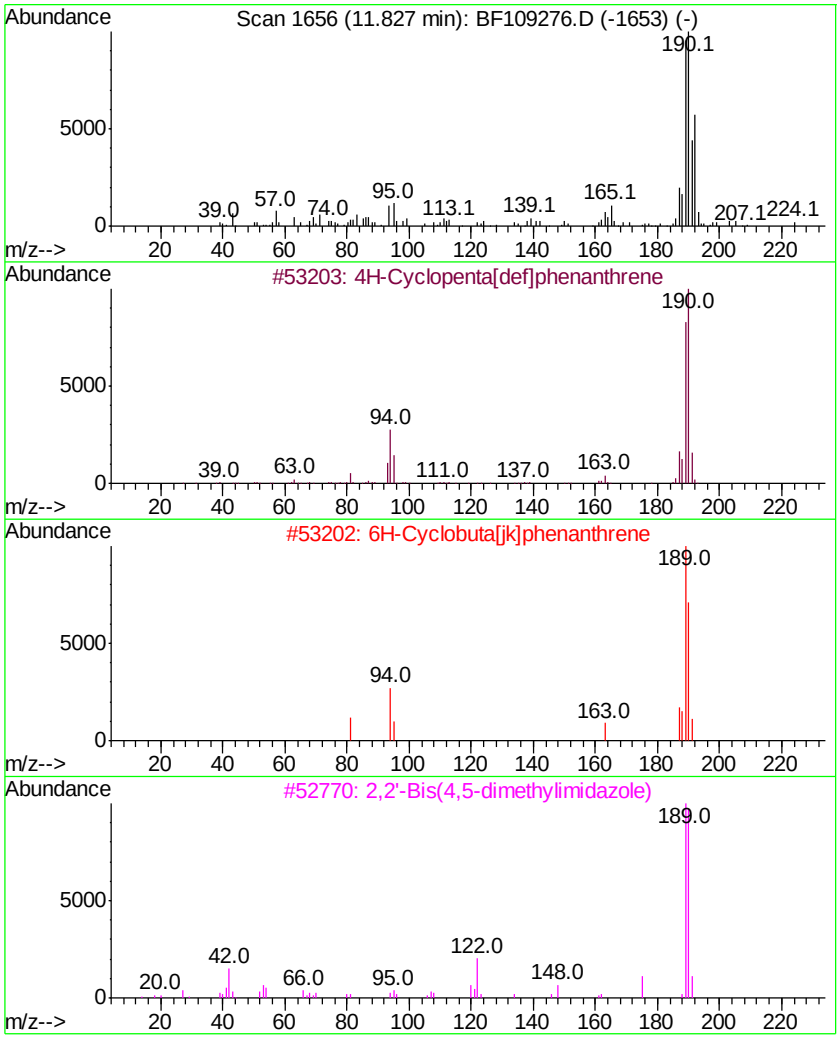
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

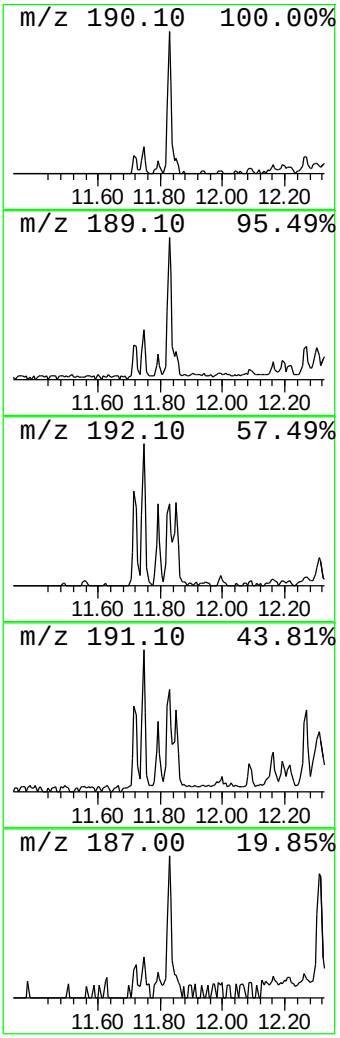
**********

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.83 | 2.40 ng | 98268 | Phenanthrene-d10 | 11.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 70 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 53 |
| 3 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 47 |
| 4 | Benzene, 1,1'-(1,2-propadienylid... | 192 | C15H12 | 014251-57-1 | 25 |
| 5 | Propyne, 1,3-diphenyl- | 192 | C15H12 | 004980-70-5 | 18 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109276.D
Acq On : 24 Sep 2018 19:03
Operator : JU/SJ
Sample : J4770-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-092118-H

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

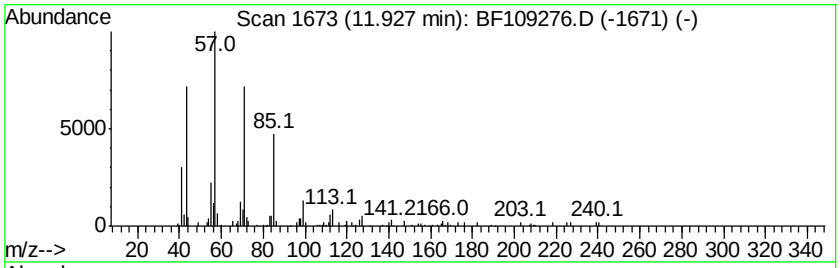
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

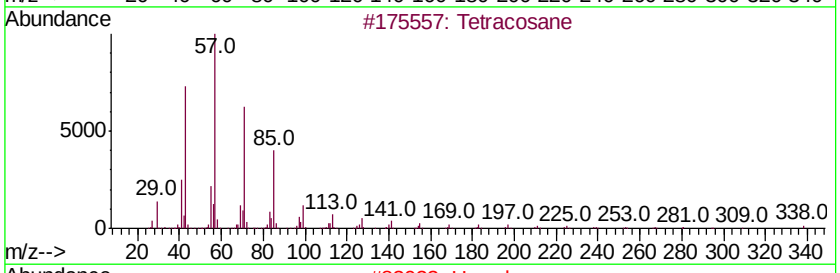
**********

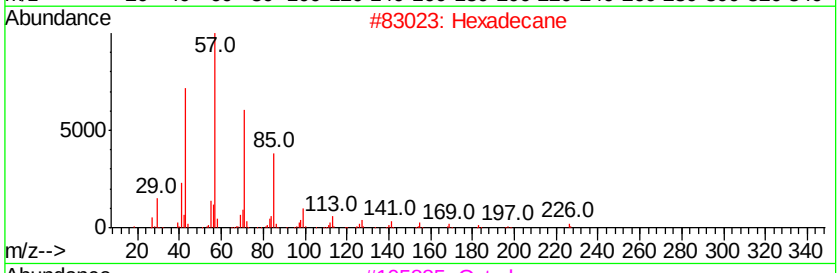
Peak Number 9 Tetracosane Concentration Rank 10

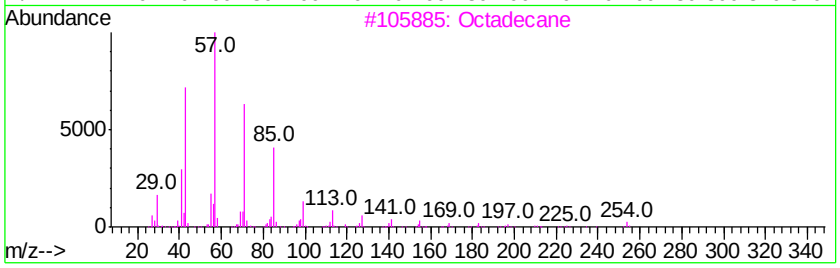
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.93 | 3.37 ng | 138155 | Phenanthrene-d10 | 11.22 |

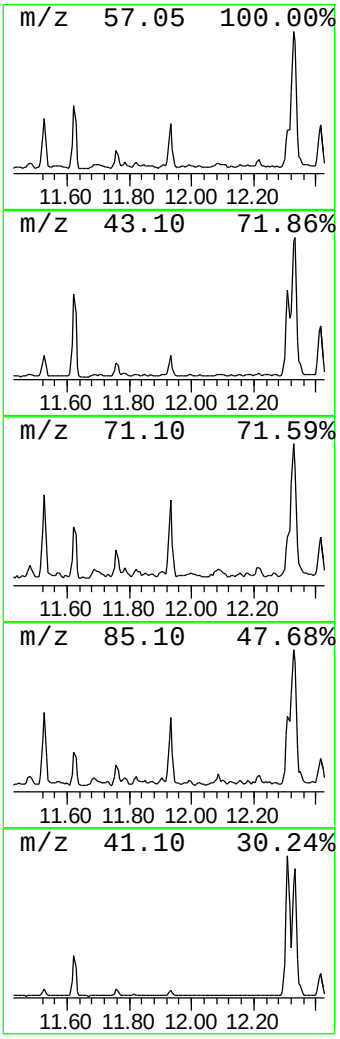
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 90 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109276.D
Acq On : 24 Sep 2018 19:03
Operator : JU/SJ
Sample : J4770-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-092118-H

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

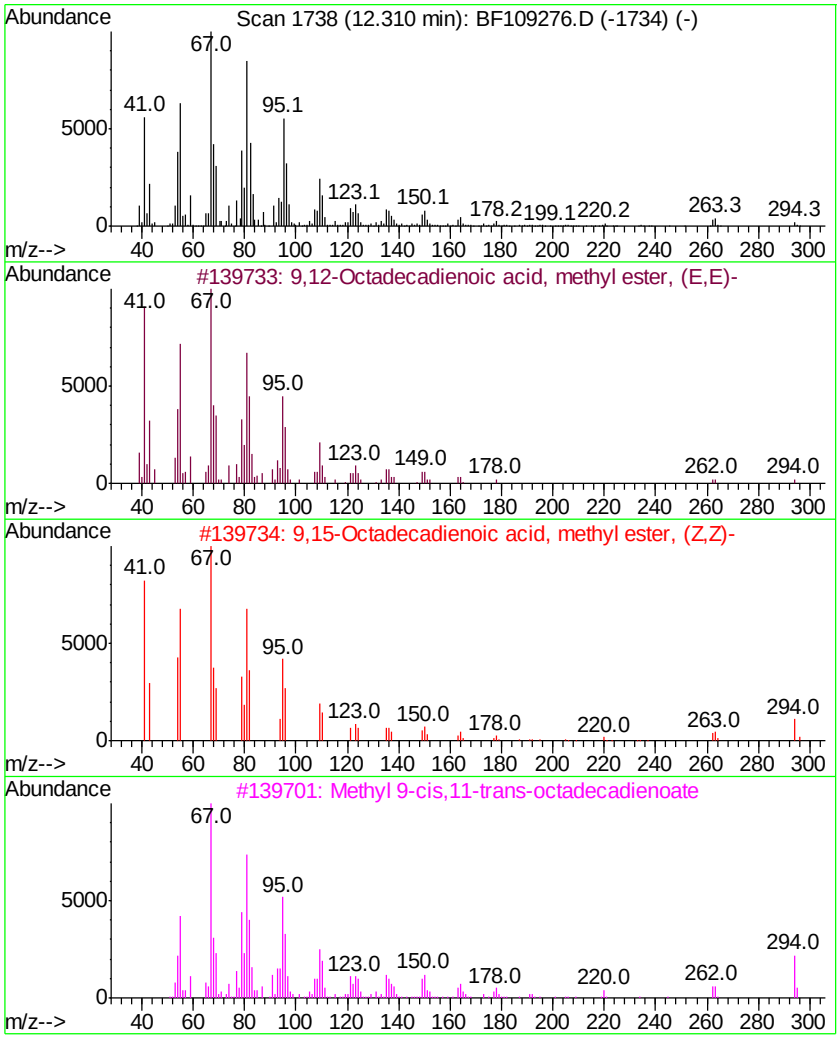
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

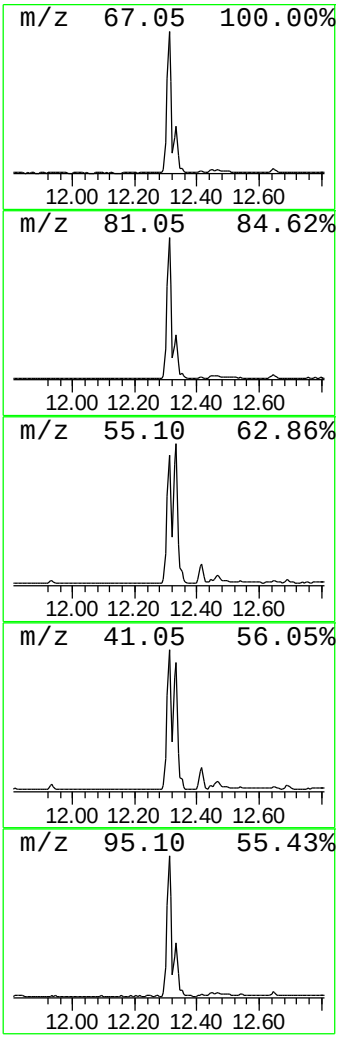
**********

Peak Number 10 9,12-Octadecadienoic acid, ... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.31 | 97.93 ng | 4015720 | 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 | 9,15-Octadecadienoic acid, methy... | 294 | C19H34O2 | 017309-05-6 | 99 |
| 3 | Methyl 9-cis,11-trans-octadecadi... | 294 | C19H34O2 | 1000336-44-0 | 98 |
| 4 | 10,13-Octadecadienoic acid, meth... | 294 | C19H34O2 | 056554-62-2 | 97 |
| 5 | 11,14-Octadecadienoic acid, meth... | 294 | C19H34O2 | 056554-61-1 | 96 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109276.D
Acq On : 24 Sep 2018 19:03
Operator : JU/SJ
Sample : J4770-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-092118-H

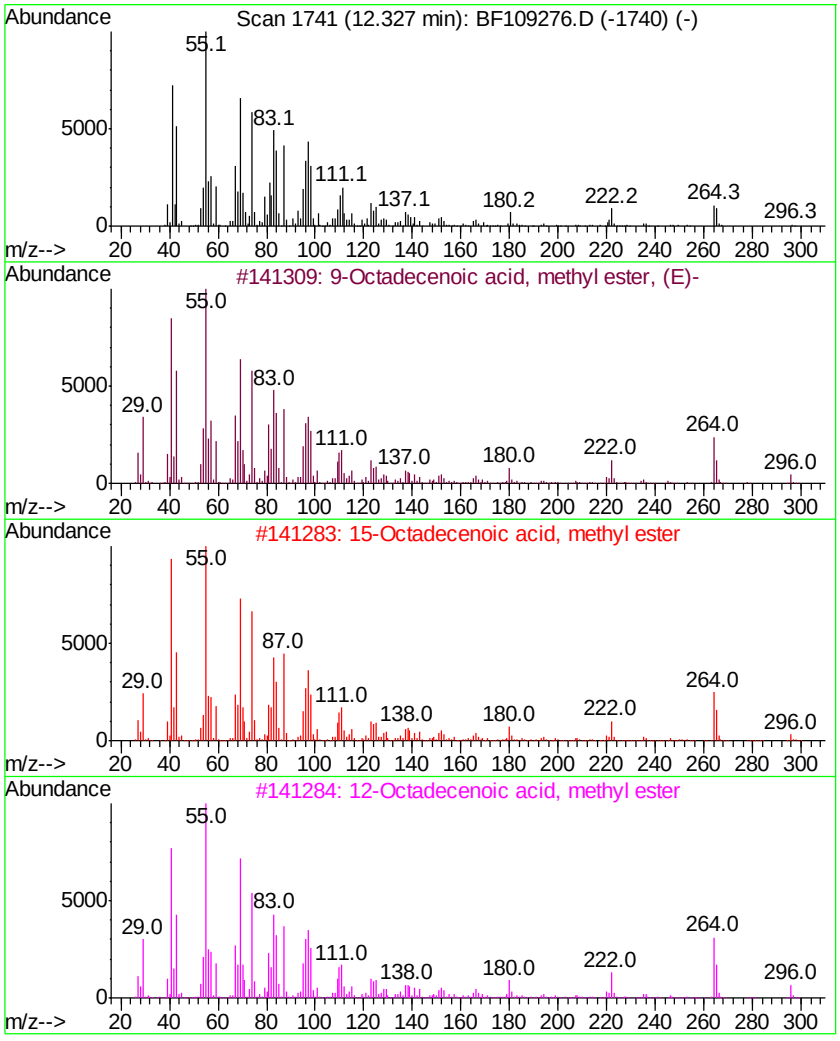
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

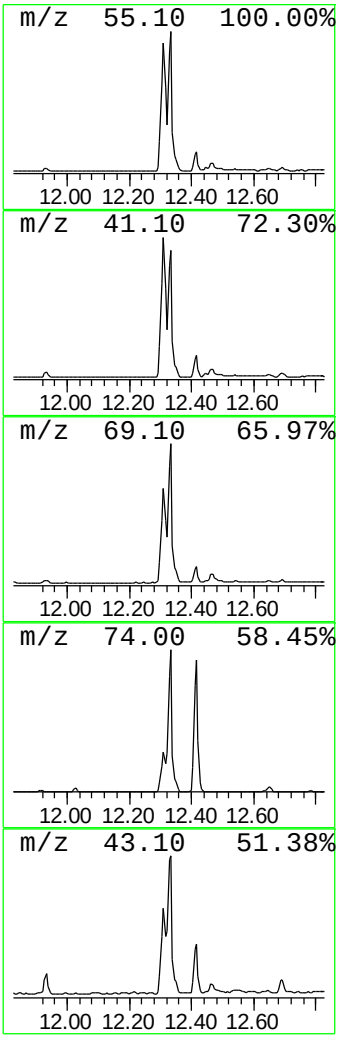
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 9-Octadecenoic acid, methyl... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.33 | 70.37 ng | 2885590 | Phenanthrene-d10 | 11.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenoic acid, methyl este... | 296 | C19H36O2 | 001937-62-8 | 99 |
| 2 | 15-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 004764-72-1 | 99 |
| 3 | 12-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-46-2 | 99 |
| 4 | 16-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-49-5 | 99 |
| 5 | 6-Octadecenoic acid, methyl este... | 296 | C19H36O2 | 002777-58-4 | 99 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
Data File : BF109276.D
Acq On : 24 Sep 2018 19:03
Operator : JU/SJ
Sample : J4770-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-092118-H

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

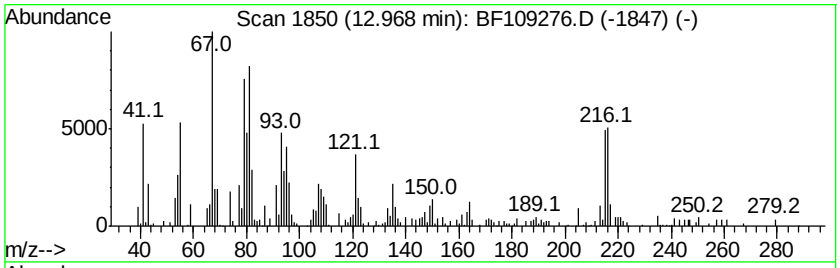
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

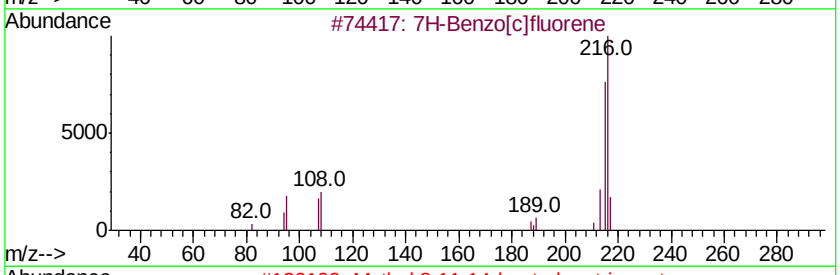
**********

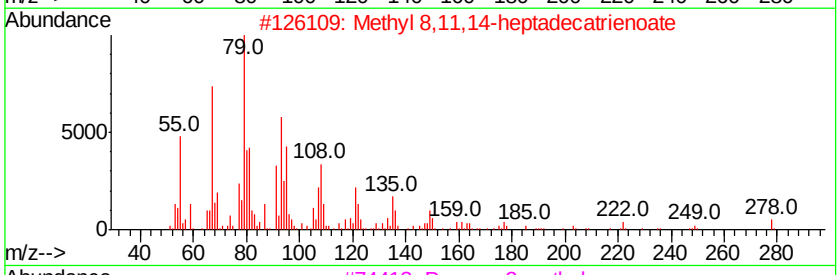
Peak Number 12 unknown12.97 Concentration Rank 11

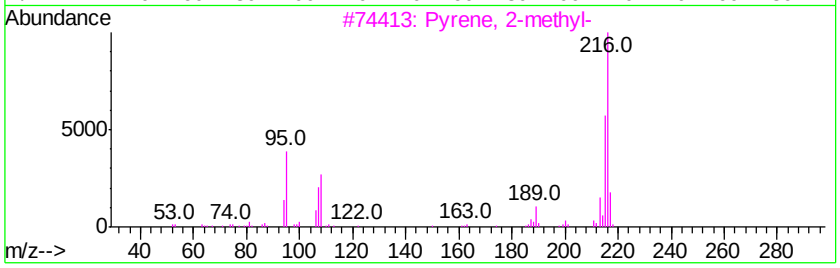
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.97 | 3.10 ng | 155703 | Chrysene-d12 | 13.84 |

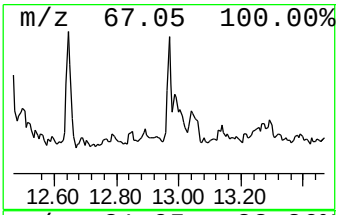
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7H-Benzo[c]fluorene | 216 | C17H12 | 000205-12-9 | 46 |
| 2 | Methyl 8,11,14-heptadecatrienoate | 278 | C18H30O2 | 1000336-35-1 | 38 |
| 3 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 35 |
| 4 | 4-Hexadecen-6-yne, (E)- | 220 | C16H28 | 074744-51-7 | 30 |
| 5 | Spiro[2.5]octane | 110 | C8H14 | 000185-65-9 | 30 |

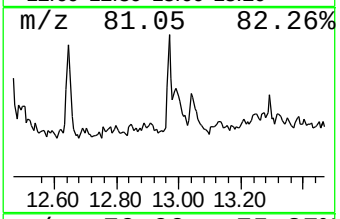


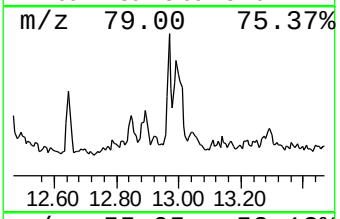



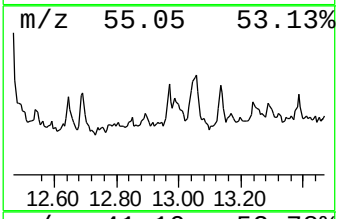



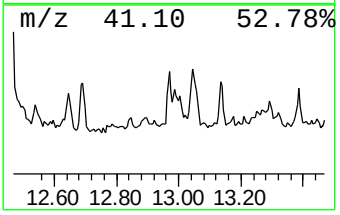



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Operator : JU/SJ
Sample : J4770-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-092118-H

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

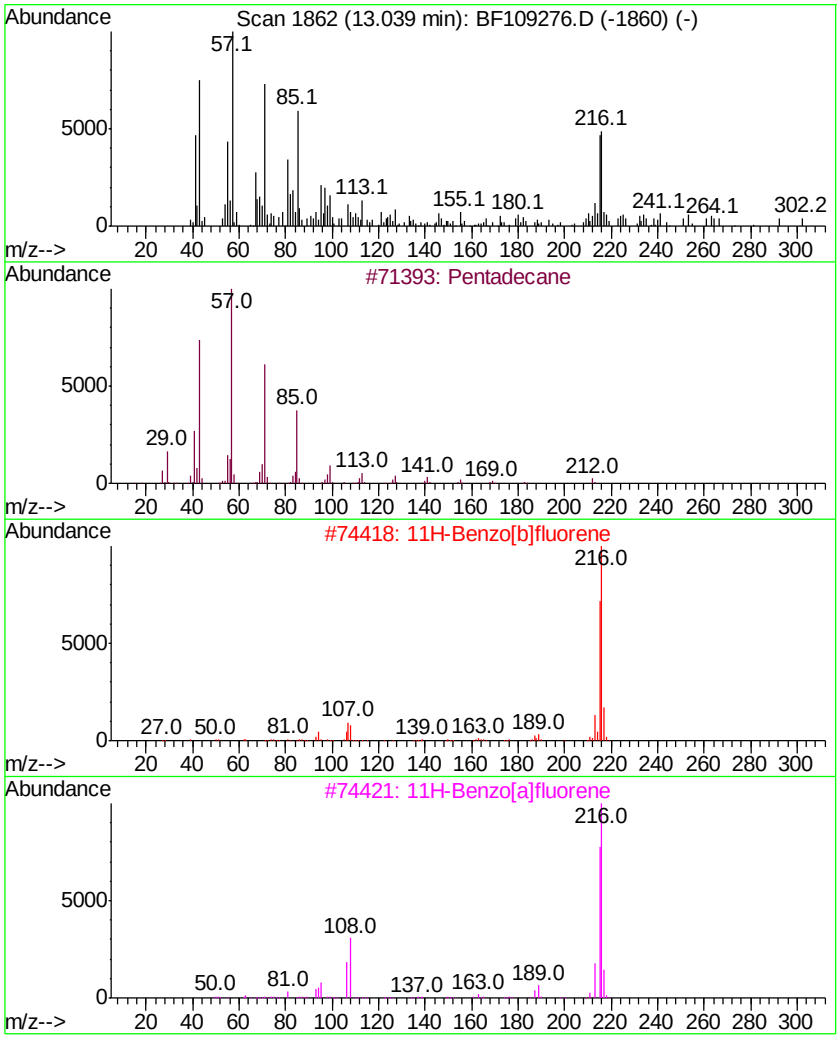
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

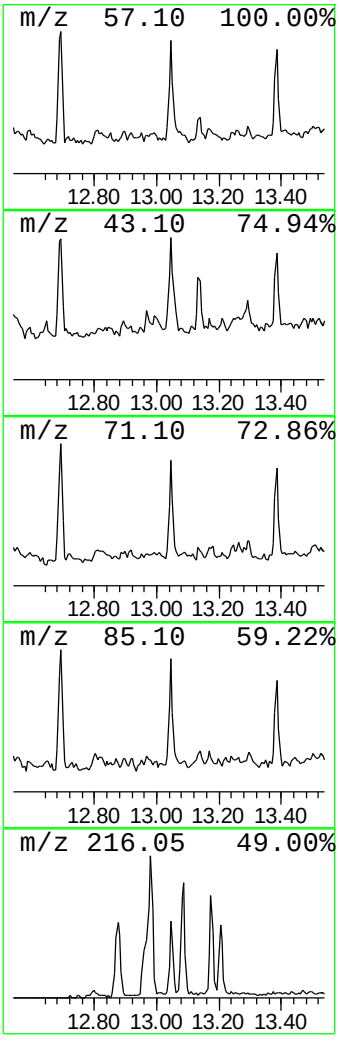
**********

Peak Number 13 Pentadecane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.04 | 3.60 ng | 181174 | Chrysene-d12 | 13.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane | 212 | C15H32 | 000629-62-9 | 83 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 50 |
| 3 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 50 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 46 |
| 5 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 45 |



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Data File : BF109276.D
Acq On : 24 Sep 2018 19:03
Operator : JU/SJ
Sample : J4770-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-092118-H

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

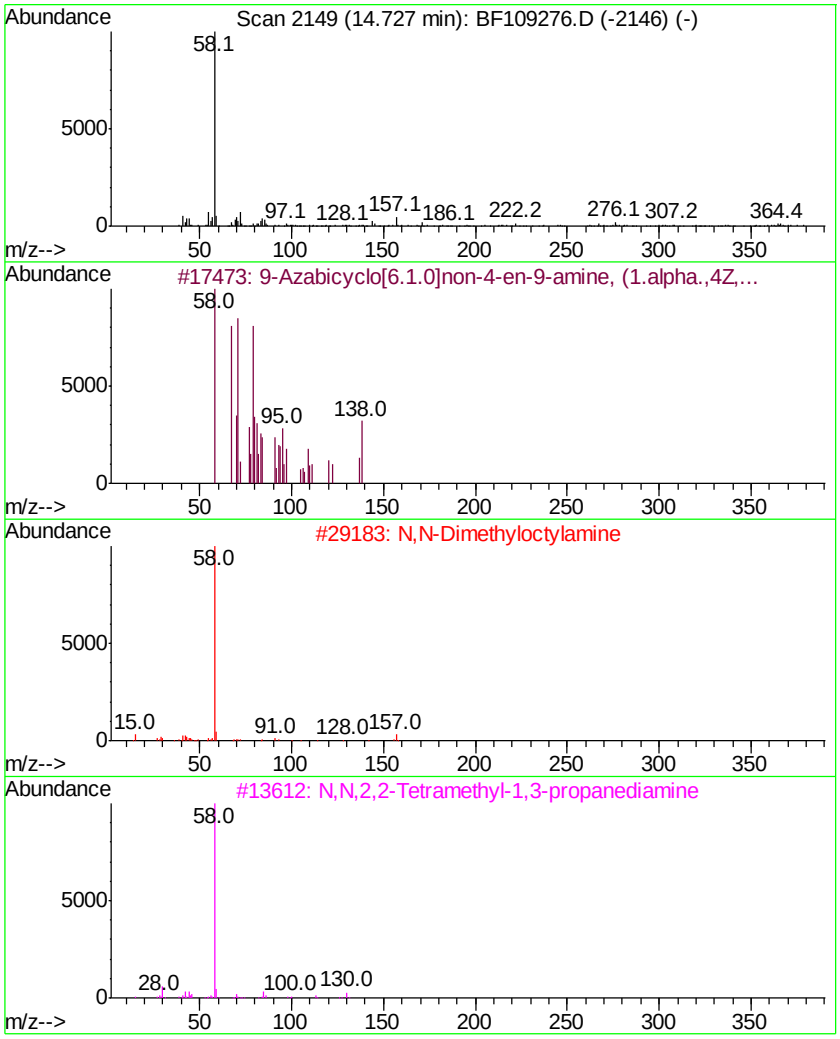
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

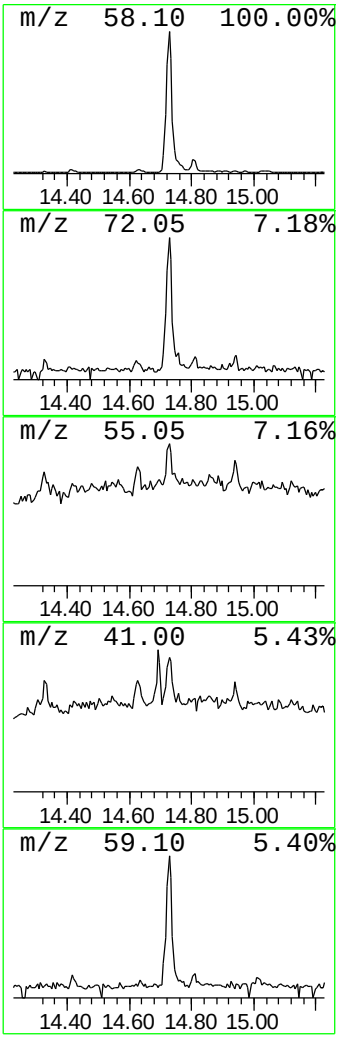
**********

Peak Number 14 9-Azabicyclo[6.1.0]non-4-en... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.73 | 8.39 ng | 178982 | Perylene-d12 | 15.25 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Azabicyclo[6.1.0]non-4-en-9-am... | 138 | C8H14N2 | 066387-78-8 | 76 |
| 2 | N,N-Dimethyloctylamine | 157 | C10H23N | 007378-99-6 | 64 |
| 3 | N,N,2,2-Tetramethyl-1,3-propaned... | 130 | C7H18N2 | 053369-71-4 | 59 |
| 4 | 5H-Dibenzo[a,d]cycloheptен-5-ol,... | 295 | C20H25NO | 001159-03-1 | 59 |
| 5 | 1-Dodecanamine, N,N-dimethyl- | 213 | C14H31N | 000112-18-5 | 59 |



# Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF092418\
Data File : BF109276.D
Acq On : 24 Sep 2018 19:03
Operator : JU/SJ
Sample : J4770-15 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** JC-02-092118-H

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 | 24.3 | ng | 684767 | 1 | 6.71 | 564553 | 20.0 |
| Tridecane | 10.66 | 3.9 | ng | 159988 | 4 | 11.22 | 820114 | 20.0 |
| Tetradecane | 11.53 | 2.5 | ng | 100728 | 4 | 11.22 | 820114 | 20.0 |
| Hexadecanoic acid... | 11.62 | 22.1 | ng | 906085 | 4 | 11.22 | 820114 | 20.0 |
| n-Hexadecanoic acid | 11.76 | 4.0 | ng | 163517 | 4 | 11.22 | 820114 | 20.0 |
| 4H-Cyclopenta[def... | 11.83 | 2.4 | ng | 98268 | 4 | 11.22 | 820114 | 20.0 |
| Tetracosane | 11.93 | 3.4 | ng | 138155 | 4 | 11.22 | 820114 | 20.0 |
| 9,12-Octadecadien... | 12.31 | 97.9 | ng | 4015720 | 4 | 11.22 | 820114 | 20.0 |
| 9-Octadecenoic ac... | 12.33 | 70.4 | ng | 2885590 | 4 | 11.22 | 820114 | 20.0 |
| unknown12.97 | 12.97 | 3.1 | ng | 155703 | 5 | 13.84 | 1005850 | 20.0 |
| Pentadecane | 13.04 | 3.6 | ng | 181174 | 5 | 13.84 | 1005850 | 20.0 |
| 9-Azabicyclo[6.1.... | 14.73 | 8.4 | ng | 178982 | 6 | 15.25 | 426689 | 20.0 |