LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100979.D
Acq On : 29 Nov 2017 15:50
Operator : SJ/JU
Sample : I6306-05 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-08-112817-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:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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 | 5.069 | 504 | 507 | 516 | rBB | 49560 | 59069 | 1.78% | 0.331% |
| 2 | 5.463 | 570 | 574 | 578 | rBV | 828189 | 796879 | 24.03% | 4.471% |
| 3 | 6.481 | 743 | 747 | 757 | rVB | 922063 | 819240 | 24.70% | 4.596% |
| 4 | 6.622 | 767 | 771 | 774 | rBV | 968862 | 867127 | 26.14% | 4.865% |
| 5 | 6.851 | 806 | 810 | 814 | rVB | 561892 | 440682 | 13.29% | 2.472% |
| 6 | 7.004 | 832 | 836 | 840 | rBV | 756557 | 679799 | 20.50% | 3.814% |
| 7 | 7.416 | 902 | 906 | 908 | rBV | 555546 | 505558 | 15.24% | 2.836% |
| 8 | 8.133 | 1025 | 1028 | 1031 | rVB | 757703 | 564571 | 17.02% | 3.168% |
| 9 | 8.716 | 1124 | 1127 | 1131 | rVB | 58165 | 46125 | 1.39% | 0.259% |
| 10 | 9.210 | 1207 | 1211 | 1214 | rVB | 1235292 | 1026633 | 30.95% | 5.760% |
| 11 | 9.280 | 1220 | 1223 | 1226 | rBV | 96439 | 79207 | 2.39% | 0.444% |
| 12 | 9.598 | 1274 | 1277 | 1280 | rBV | 84627 | 81541 | 2.46% | 0.457% |
| 13 | 9.810 | 1310 | 1313 | 1316 | rVB | 119890 | 88796 | 2.68% | 0.498% |
| 14 | 9.892 | 1323 | 1327 | 1330 | rVB | 625095 | 585452 | 17.65% | 3.285% |
| 15 | 10.133 | 1364 | 1368 | 1372 | rBV3 | 27531 | 36671 | 1.11% | 0.206% |
| 16 | 10.310 | 1392 | 1398 | 1401 | rBV | 131808 | 114815 | 3.46% | 0.644% |
| 17 | 10.527 | 1431 | 1435 | 1442 | rVB | 39069 | 57844 | 1.74% | 0.325% |
| 18 | 10.674 | 1457 | 1460 | 1464 | rBV | 524801 | 437034 | 13.18% | 2.452% |
| 19 | 10.780 | 1475 | 1478 | 1483 | rBV | 110946 | 130794 | 3.94% | 0.734% |
| 20 | 11.233 | 1552 | 1555 | 1557 | rBV | 89577 | 78621 | 2.37% | 0.441% |
| 21 | 11.257 | 1557 | 1559 | 1565 | rVB2 | 37070 | 44795 | 1.35% | 0.251% |
| 22 | 11.374 | 1576 | 1579 | 1582 | rBV | 551445 | 474928 | 14.32% | 2.665% |
| 23 | 11.657 | 1624 | 1627 | 1630 | rBV | 76910 | 57900 | 1.75% | 0.325% |
| 24 | 11.763 | 1641 | 1645 | 1648 | rBV | 1533170 | 1181397 | 35.62% | 6.628% |
| 25 | 11.892 | 1663 | 1667 | 1672 | rBV4 | 48809 | 51362 | 1.55% | 0.288% |
| 26 | 12.063 | 1693 | 1696 | 1701 | rVB | 62421 | 57797 | 1.74% | 0.324% |
| 27 | 12.457 | 1757 | 1763 | 1764 | rBV | 3270086 | 3316753 | 100.00% | 18.609% |
| 28 | 12.474 | 1764 | 1766 | 1772 | rVB2 | 2615143 | 2422517 | 73.04% | 13.591% |
| 29 | 12.551 | 1776 | 1779 | 1782 | rBV | 523137 | 422114 | 12.73% | 2.368% |
| 30 | 12.586 | 1782 | 1785 | 1787 | rBV | 45827 | 51616 | 1.56% | 0.290% |
| 31 | 12.786 | 1817 | 1819 | 1823 | rBV | 57206 | 52521 | 1.58% | 0.295% |
| 32 | 12.821 | 1823 | 1825 | 1829 | rBV | 52881 | 44760 | 1.35% | 0.251% |
| 33 | 12.957 | 1844 | 1848 | 1852 | rBV | 725800 | 639869 | 19.29% | 3.590% |
| 34 | 13.110 | 1871 | 1874 | 1876 | rBV | 63659 | 54406 | 1.64% | 0.305% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100979.D
Acq On : 29 Nov 2017 15:50
Operator : SJ/JU
Sample : I6306-05 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-08-112817-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:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.180 | 1884 | 1886 | 1888 | rBV2 | 44386 | 41177 | 1.24% | 0.231% |
| 36 | 13.198 | 1888 | 1889 | 1896 | rVB3 | 56918 | 48462 | 1.46% | 0.272% |
| 37 | 13.274 | 1900 | 1902 | 1905 | rVB | 51735 | 40379 | 1.22% | 0.227% |
| 38 | 13.386 | 1918 | 1921 | 1927 | rBV7 | 25331 | 33692 | 1.02% | 0.189% |
| 39 | 13.521 | 1940 | 1944 | 1949 | rBV2 | 32180 | 33812 | 1.02% | 0.190% |
| 40 | 13.845 | 1996 | 1999 | 2003 | rBV | 77781 | 78438 | 2.36% | 0.440% |
| 41 | 13.945 | 2013 | 2016 | 2019 | rBV | 43897 | 45310 | 1.37% | 0.254% |
| 42 | 14.015 | 2024 | 2028 | 2032 | rBV | 464873 | 431096 | 13.00% | 2.419% |
| 43 | 14.474 | 2100 | 2106 | 2112 | rBV3 | 57094 | 120749 | 3.64% | 0.677% |
| 44 | 14.892 | 2174 | 2177 | 2181 | rBV | 54749 | 70561 | 2.13% | 0.396% |
| 45 | 15.109 | 2212 | 2214 | 2218 | rBV | 42527 | 50505 | 1.52% | 0.283% |
| 46 | 15.486 | 2273 | 2278 | 2284 | rBV | 313923 | 381936 | 11.52% | 2.143% |
| 47 | 15.921 | 2350 | 2352 | 2358 | rVB | 33190 | 43300 | 1.31% | 0.243% |
| 48 | 16.433 | 2435 | 2439 | 2443 | rVB4 | 20250 | 35189 | 1.06% | 0.197% |

Sum of corrected areas: 17823799

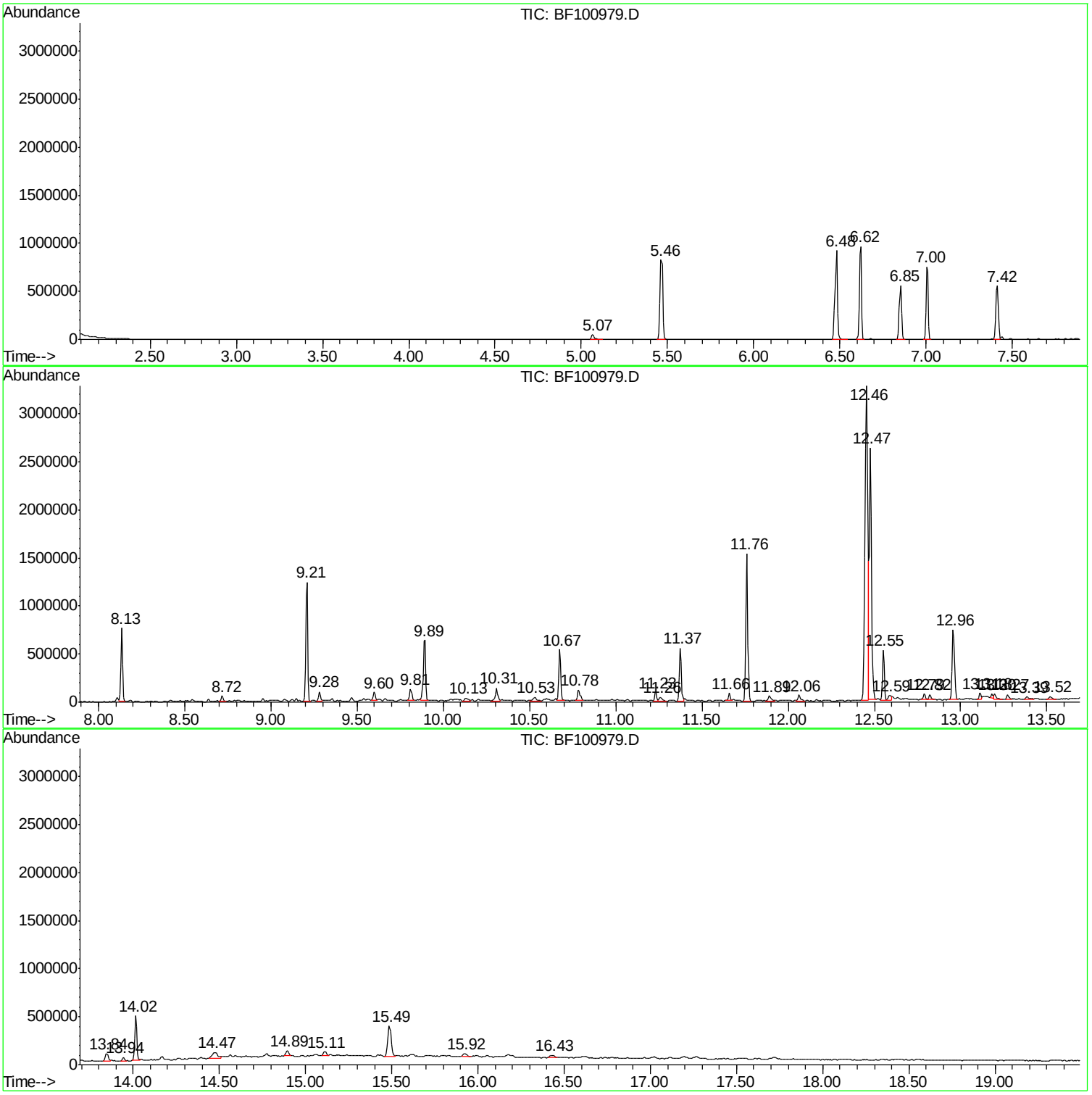
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100979.D
Acq On : 29 Nov 2017 15:50
Operator : SJ/JU
Sample : I6306-05 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-08-112817-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100979.D
Acq On : 29 Nov 2017 15:50
Operator : SJ/JU
Sample : I6306-05 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-08-112817-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

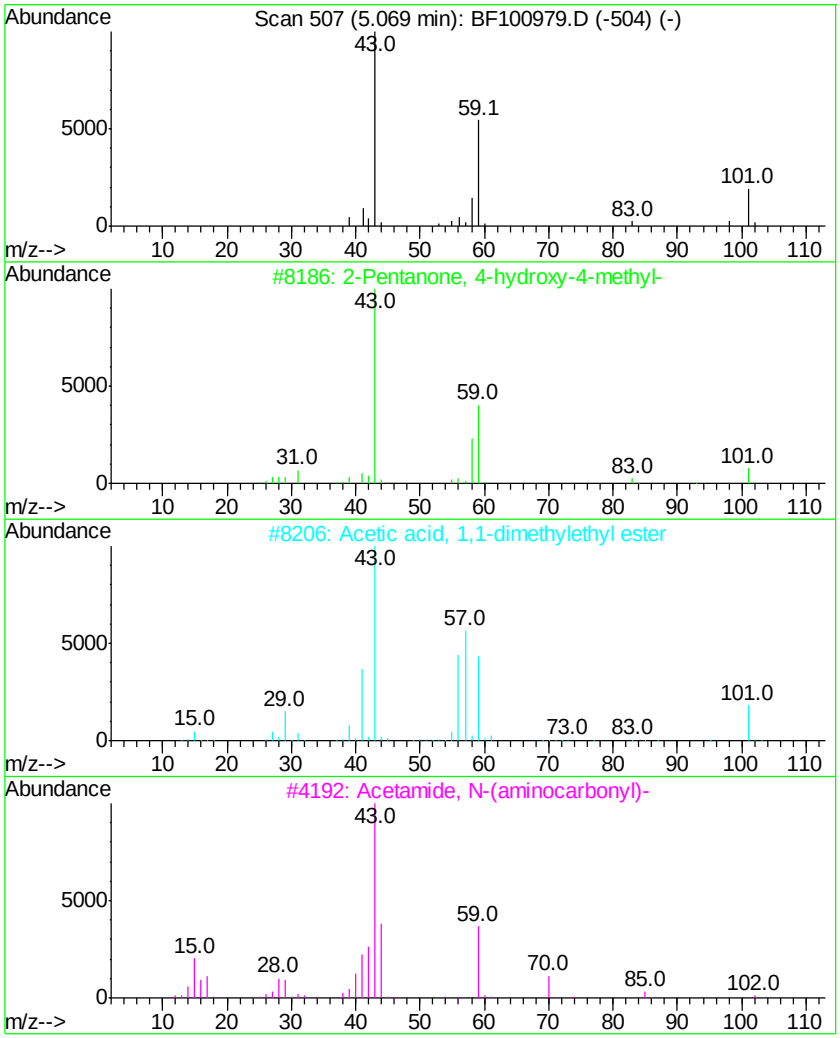
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

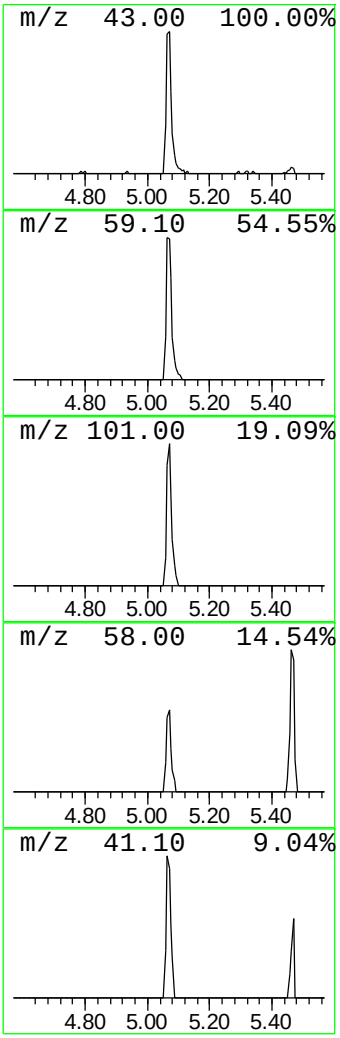
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.07 | 2.68 ng | 59069 | 1,4-Dichlorobenzene-d4 | 6.85 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 42 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 3 | Acetamide, N-(aminocarbonyl)- | 102 | C3H6N2O2 | 000591-07-1 | 9 |
| 4 | Propane, 1-ethoxy-2-methyl- | 102 | C6H14O | 000627-02-1 | 9 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100979.D
Acq On : 29 Nov 2017 15:50
Operator : SJ/JU
Sample : I6306-05 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-08-112817-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

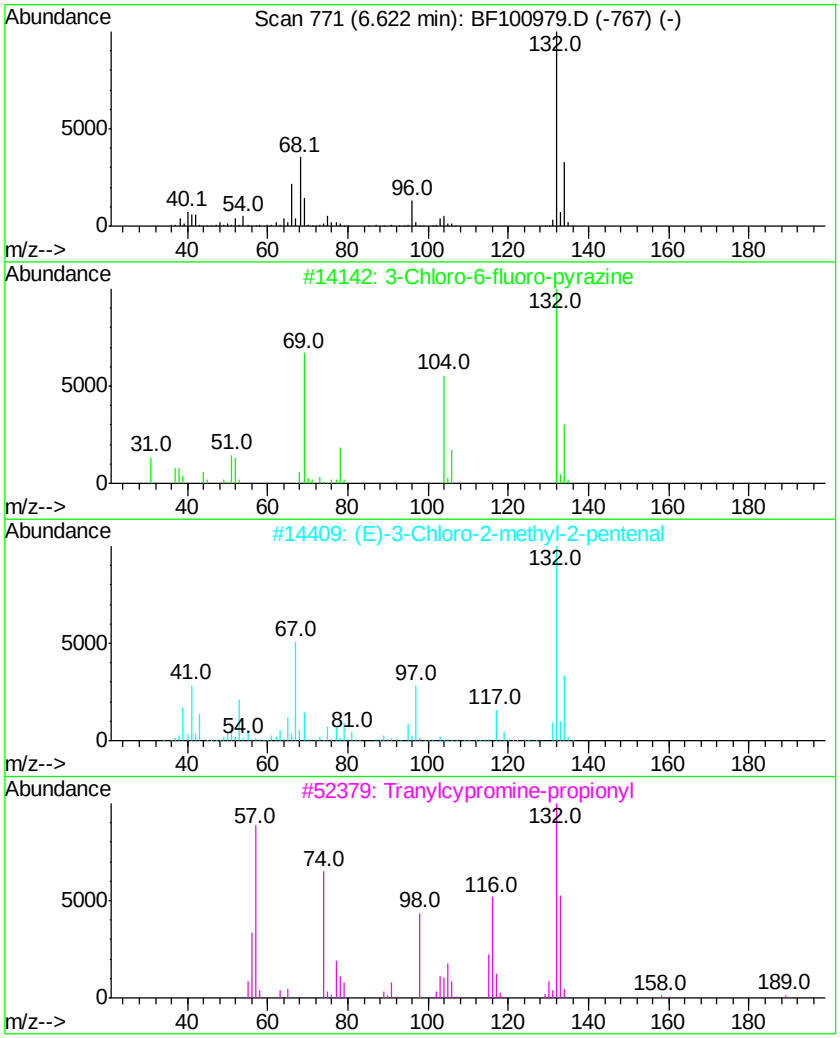
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

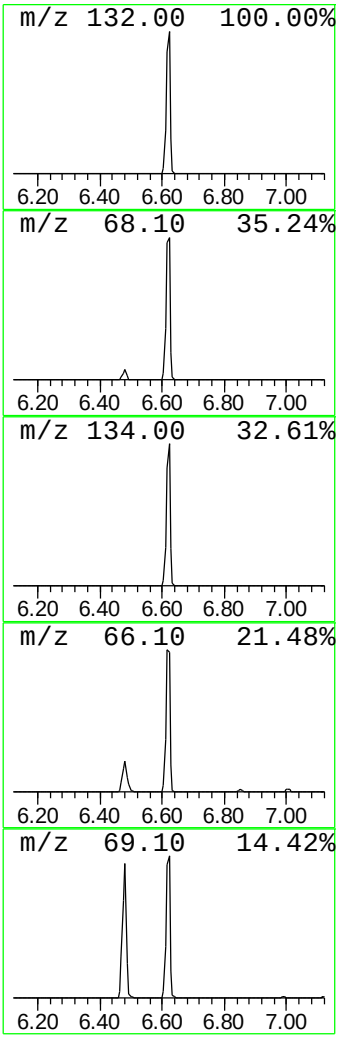
**********

Peak Number 2 unknown6.62 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.62 | 39.35 ng | 867127 | 1,4-Dichlorobenzene-d4 | 6.85 |

| 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 | 17 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 12 |
| 4 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100979.D
Acq On : 29 Nov 2017 15:50
Operator : SJ/JU
Sample : I6306-05 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-08-112817-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

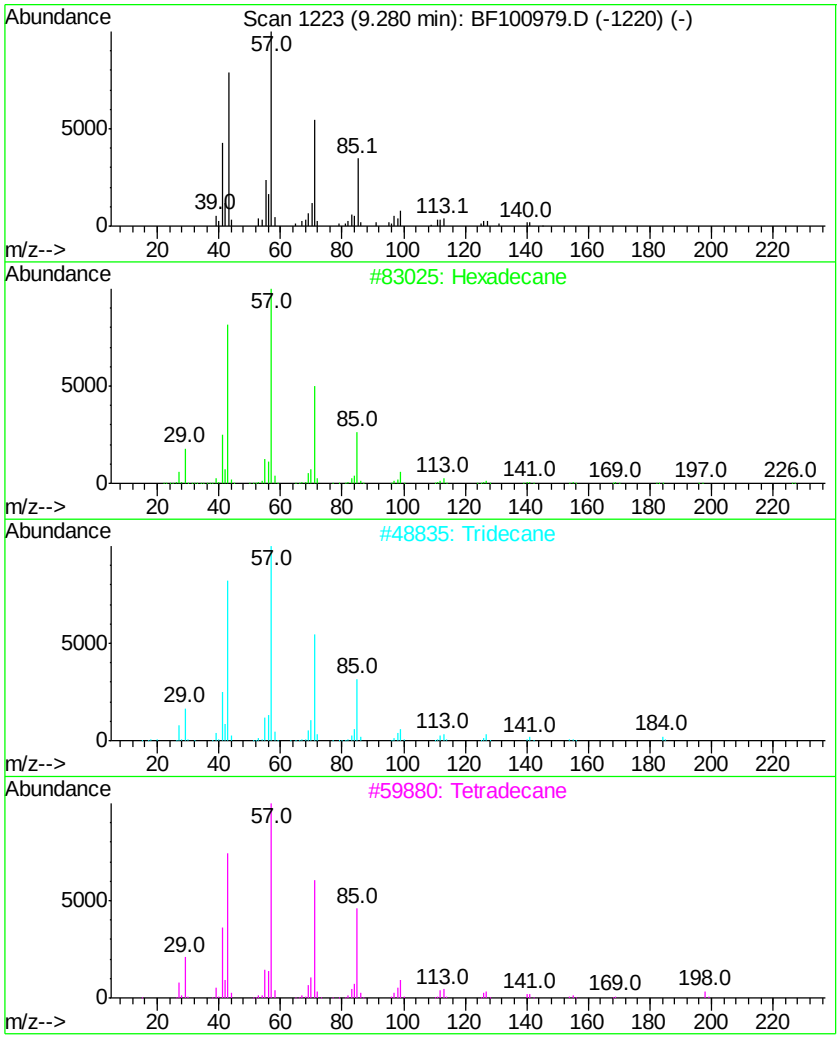
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

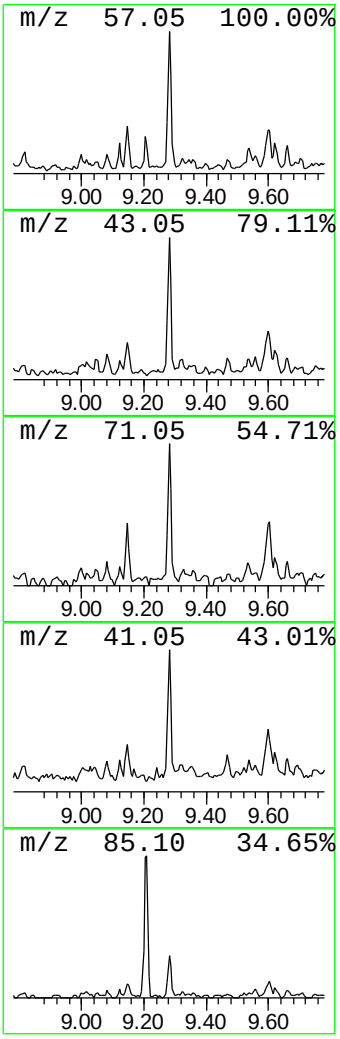
**********

Peak Number 4 Hexadecane Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.28 | 2.71 ng | 79207 | Acenaphthene-d10 | 9.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 90 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 4 | Heptadecane | 240 | C17H36 | 000629-78-7 | 90 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 83 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100979.D
Acq On : 29 Nov 2017 15:50
Operator : SJ/JU
Sample : I6306-05 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-08-112817-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

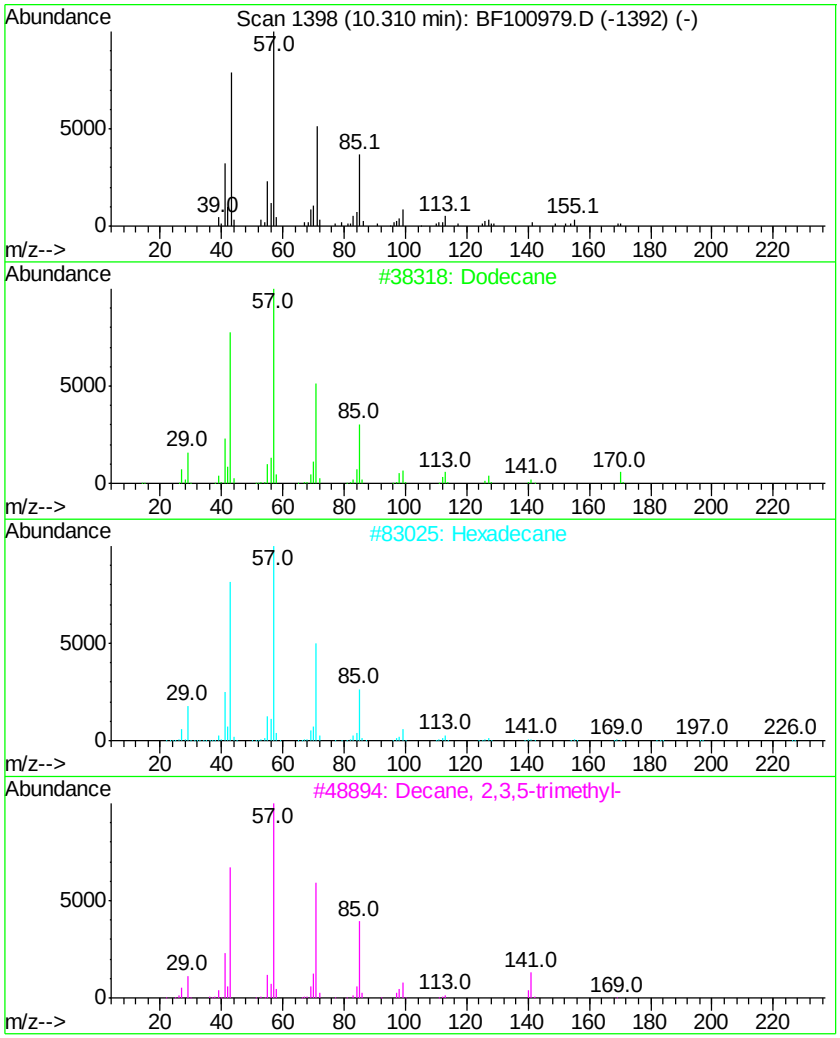
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

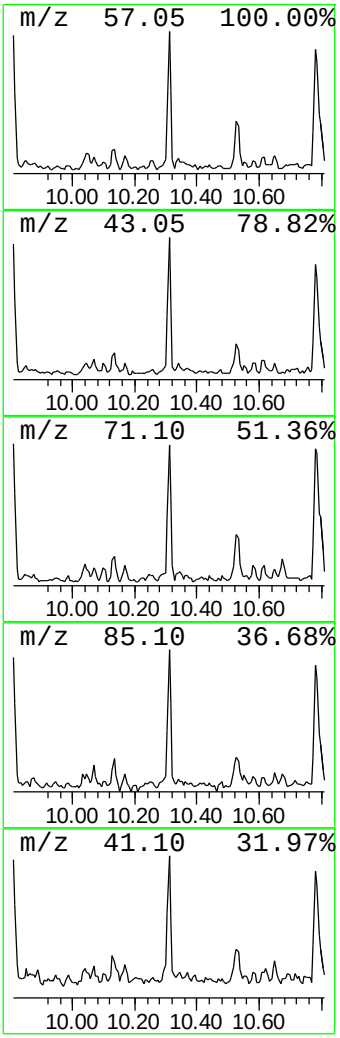
**********

Peak Number 6 Dodecane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.31 | 3.92 ng | 114815 | Acenaphthene-d10 | 9.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane | 170 | C12H26 | 000112-40-3 | 91 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 3 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 90 |
| 4 | Tridecane | 184 | C13H28 | 000629-50-5 | 86 |
| 5 | Heptadecane | 240 | C17H36 | 000629-78-7 | 86 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100979.D
Acq On : 29 Nov 2017 15:50
Operator : SJ/JU
Sample : I6306-05 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-08-112817-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

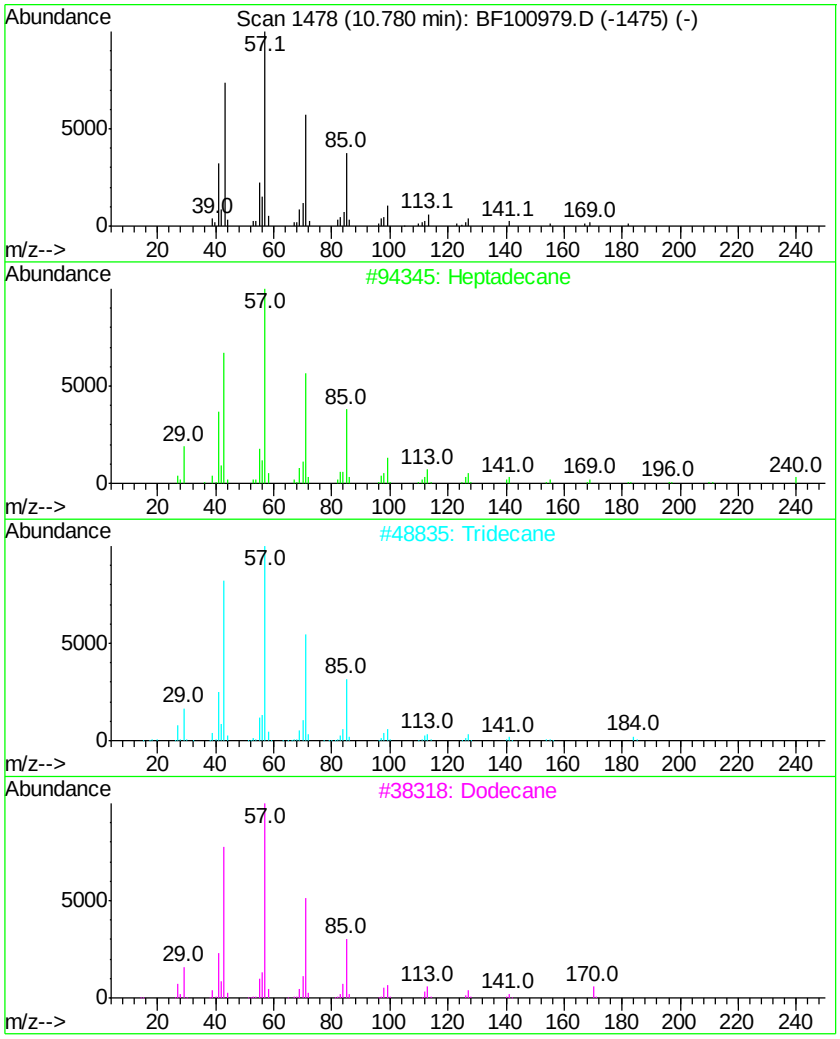
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

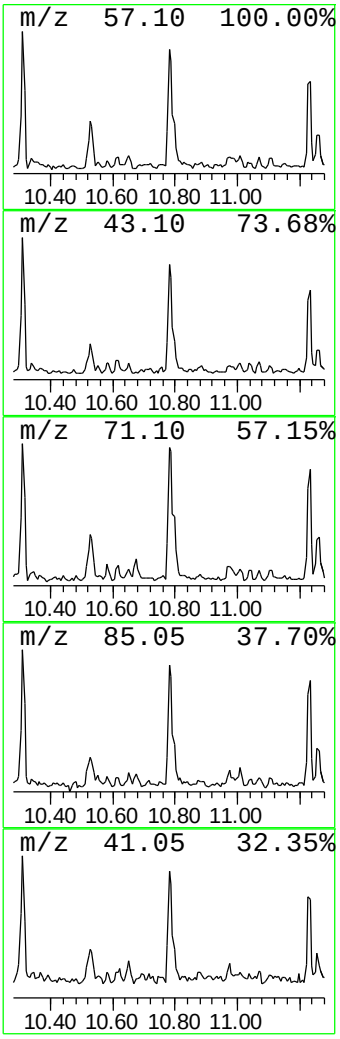
**********

Peak Number 7 Heptadecane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.78 | 5.51 ng | 130794 | Phenanthrene-d10 | 11.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 91 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 90 |
| 3 | Dodecane | 170 | C12H26 | 000112-40-3 | 90 |
| 4 | Pentadecane | 212 | C15H32 | 000629-62-9 | 90 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100979.D
Acq On : 29 Nov 2017 15:50
Operator : SJ/JU
Sample : I6306-05 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-08-112817-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

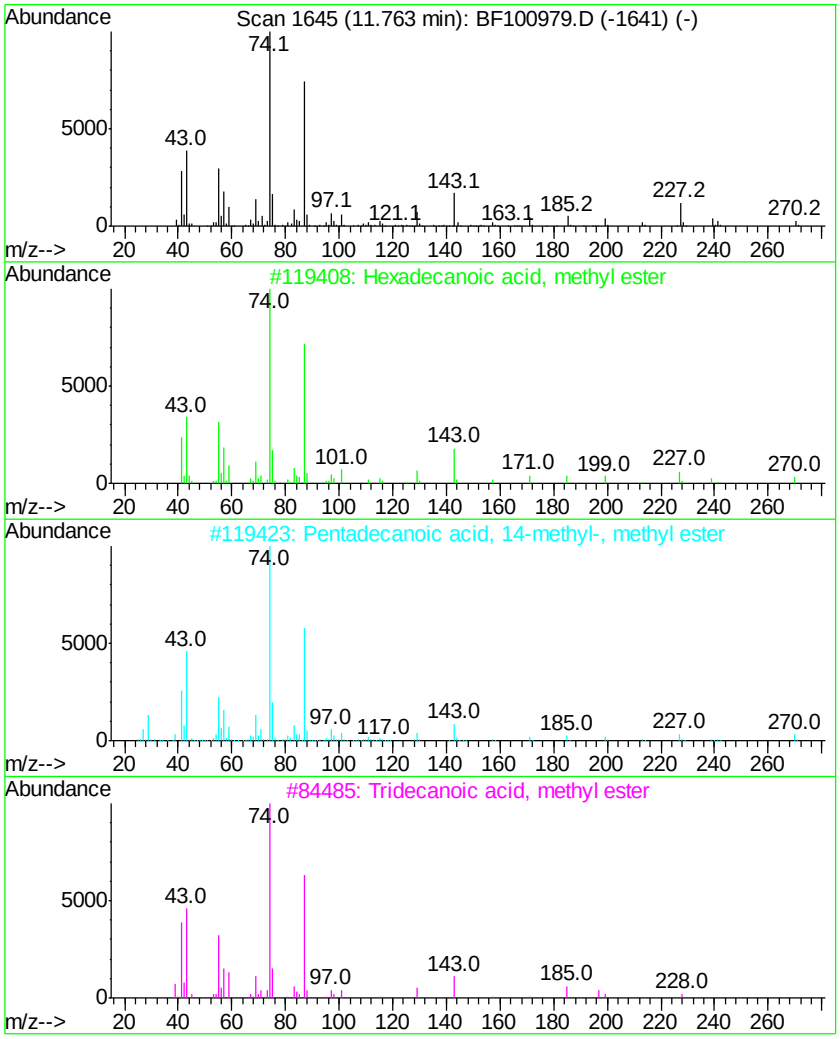
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

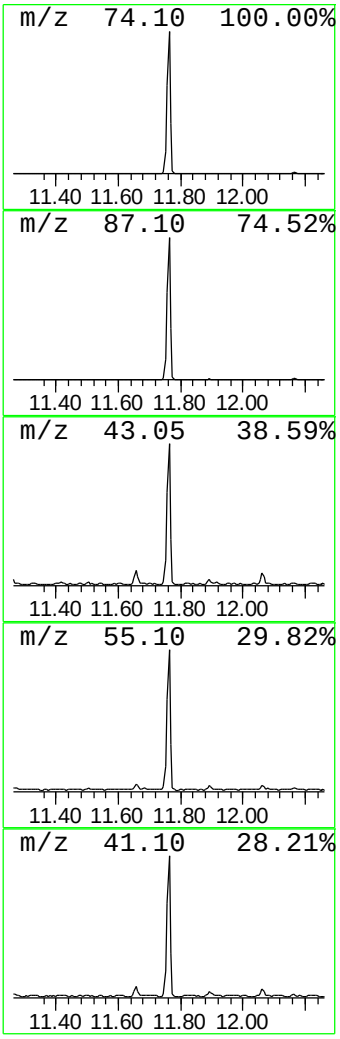
**********

Peak Number 10 Hexadecanoic acid, methyl e... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.76 | 49.75 ng | 1181400 | Phenanthrene-d10 | 11.37 |

| 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 | 95 |
| 3 | Tridecanoic acid, methyl ester | 228 | C14H28O2 | 001731-88-0 | 91 |
| 4 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 86 |
| 5 | Decanoic acid, methyl ester | 186 | C11H22O2 | 000110-42-9 | 83 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100979.D
Acq On : 29 Nov 2017 15:50
Operator : SJ/JU
Sample : I6306-05 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-08-112817-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

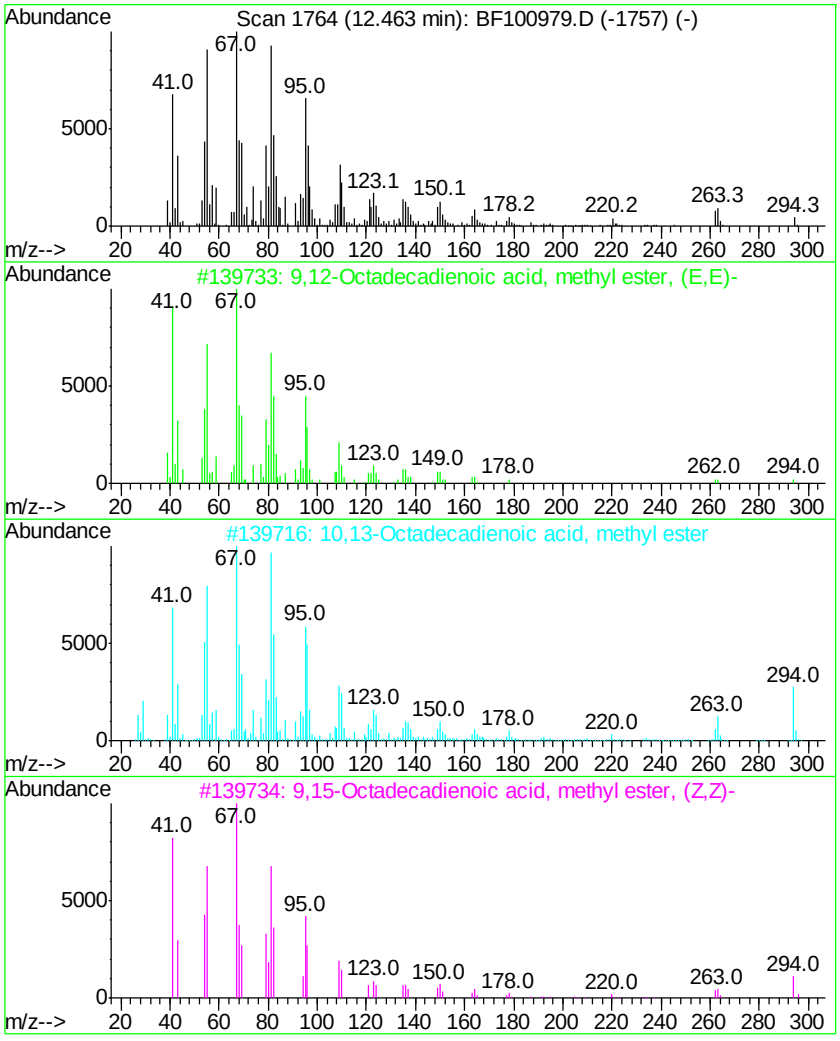
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

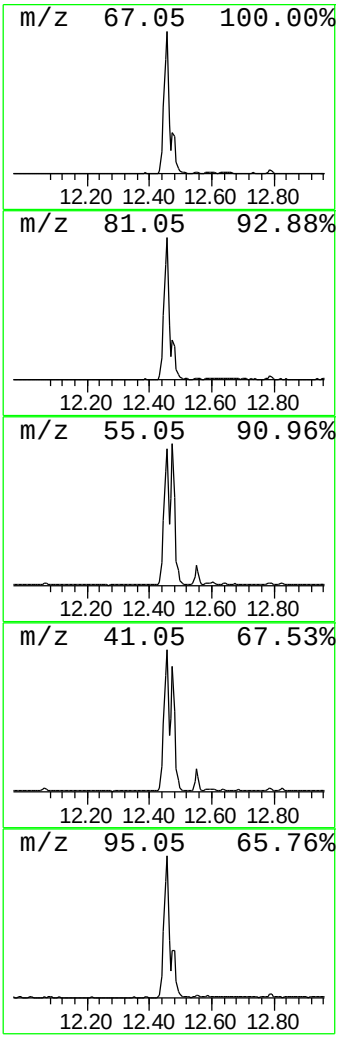
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.46 | 139.67 ng | 3316750 | Phenanthrene-d10 | 11.37 |

| 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:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100979.D
Acq On : 29 Nov 2017 15:50
Operator : SJ/JU
Sample : I6306-05 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-08-112817-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

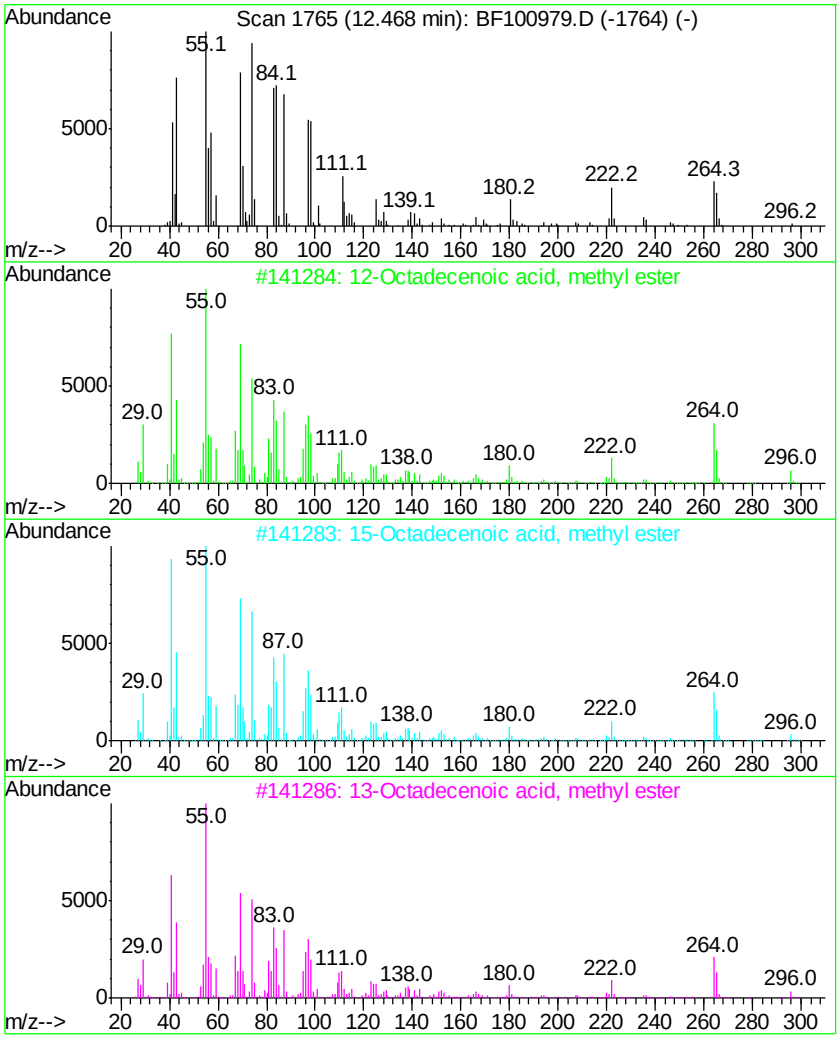
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

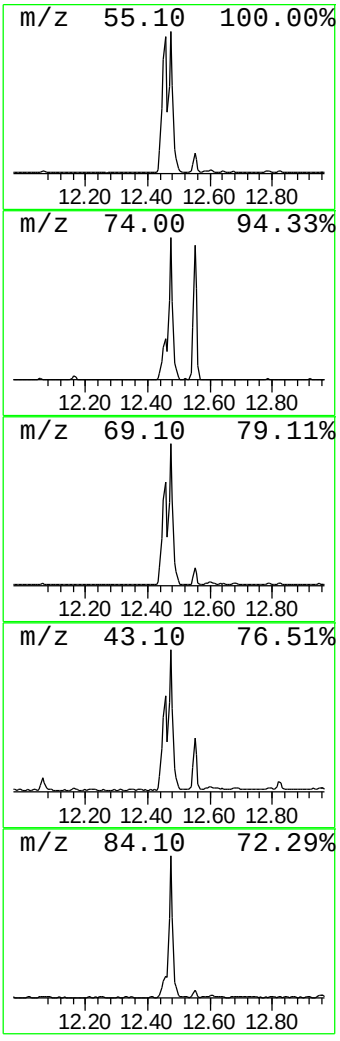
**********

Peak Number 13 12-Octadecenoic acid, methy... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.47 | 102.02 ng | 2422520 | Phenanthrene-d10 | 11.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 12-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-46-2 | 93 |
| 2 | 15-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 004764-72-1 | 90 |
| 3 | 13-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-47-3 | 90 |
| 4 | 16-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-49-5 | 90 |
| 5 | 14-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-48-4 | 90 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100979.D
Acq On : 29 Nov 2017 15:50
Operator : SJ/JU
Sample : I6306-05 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-08-112817-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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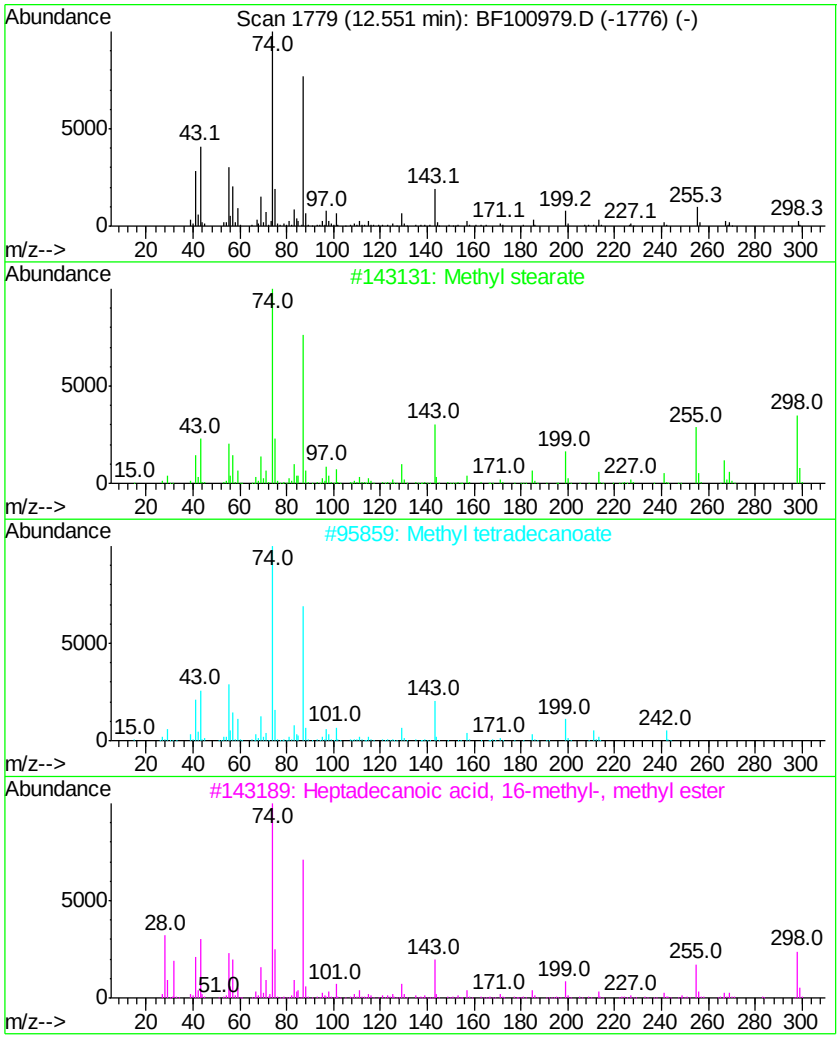
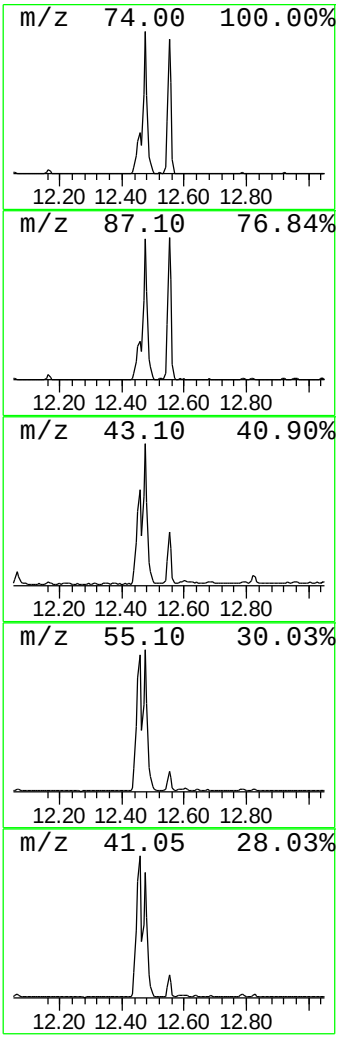
Peak Number 14 Methyl stearate Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.55 | 17.78 ng | 422114 | Phenanthrene-d10 | 11.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl stearate | 298 | C19H38O2 | 000112-61-8 | 98 |
| 2 | Methyl tetradecanoate | 242 | C15H30O2 | 000124-10-7 | 94 |
| 3 | Heptadecanoic acid, 16-methyl-, ... | 298 | C19H38O2 | 005129-61-3 | 92 |
| 4 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 87 |
| 5 | Heptadecanoic acid, methyl ester | 284 | C18H36O2 | 001731-92-6 | 86 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100979.D
Acq On : 29 Nov 2017 15:50
Operator : SJ/JU
Sample : I6306-05 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-08-112817-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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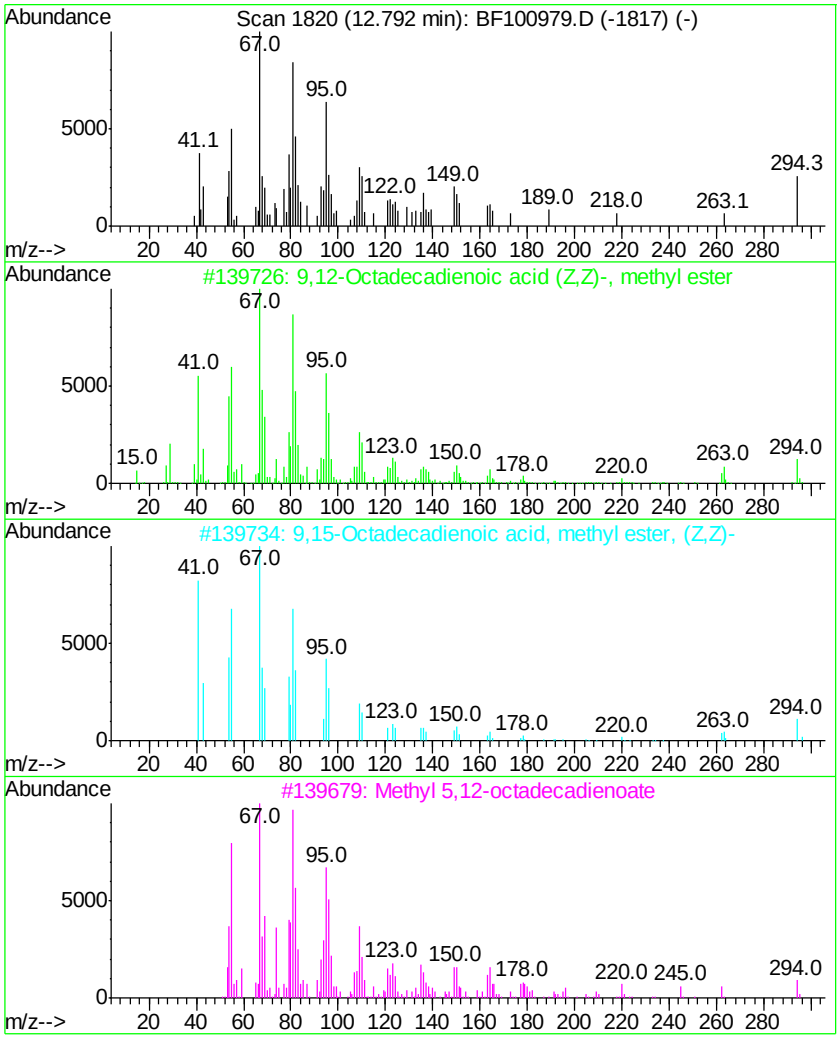
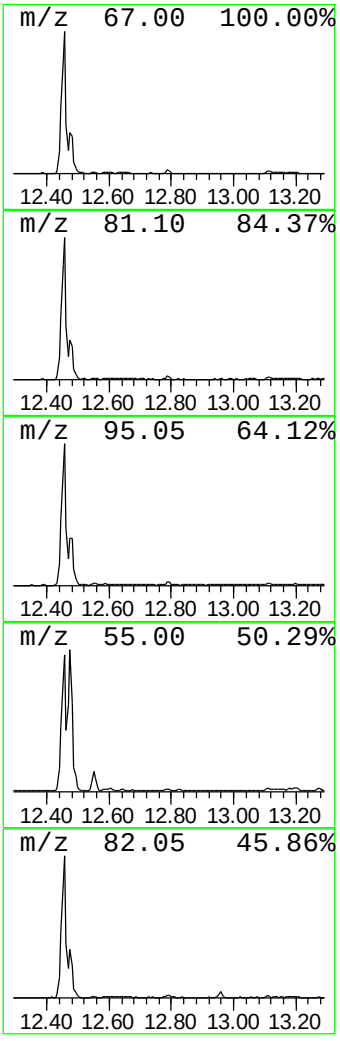
Peak Number 15 9,12-Octadecadienoic acid (... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.79 | 2.44 ng | 52521 | Chrysene-d12 | 14.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 86 |
| 2 | 9,15-Octadecadienoic acid, methy... | 294 | C19H34O2 | 017309-05-6 | 83 |
| 3 | Methyl 5,12-octadecadienoate | 294 | C19H34O2 | 1000336-43-1 | 80 |
| 4 | 11,14-Octadecadienoic acid, meth... | 294 | C19H34O2 | 056554-61-1 | 74 |
| 5 | 7-Hexadecyne | 222 | C16H30 | 074685-28-2 | 72 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100979.D
Acq On : 29 Nov 2017 15:50
Operator : SJ/JU
Sample : I6306-05 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-08-112817-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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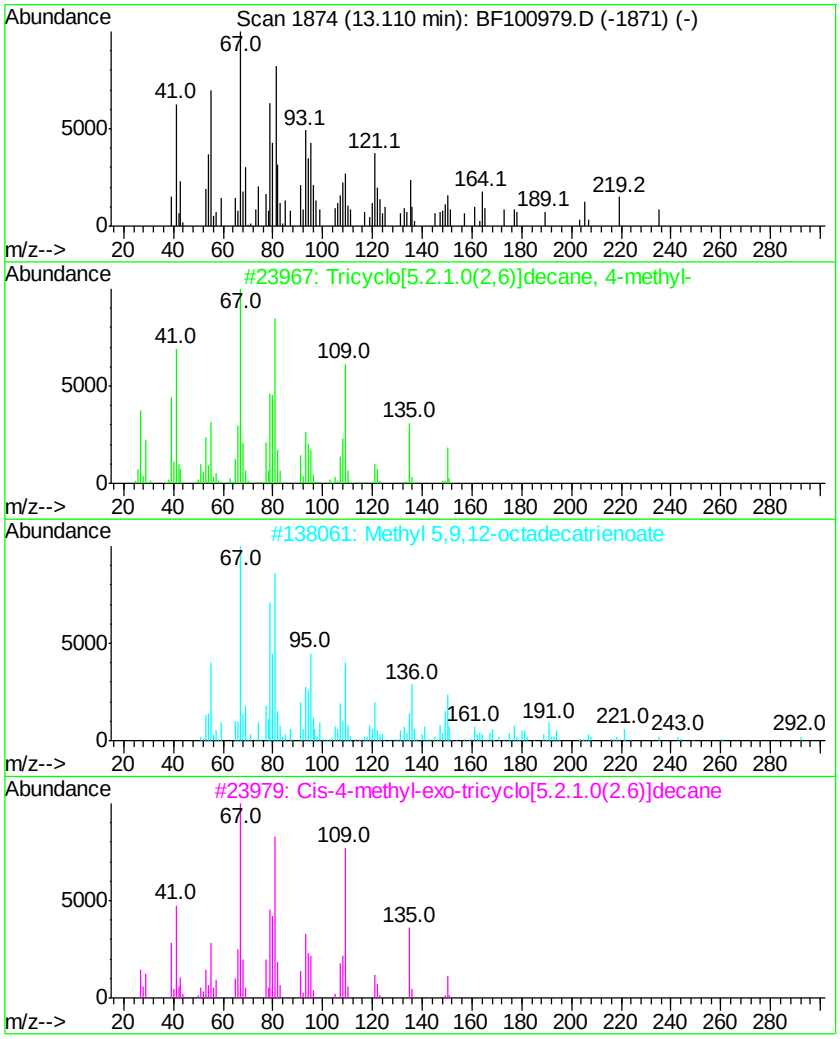
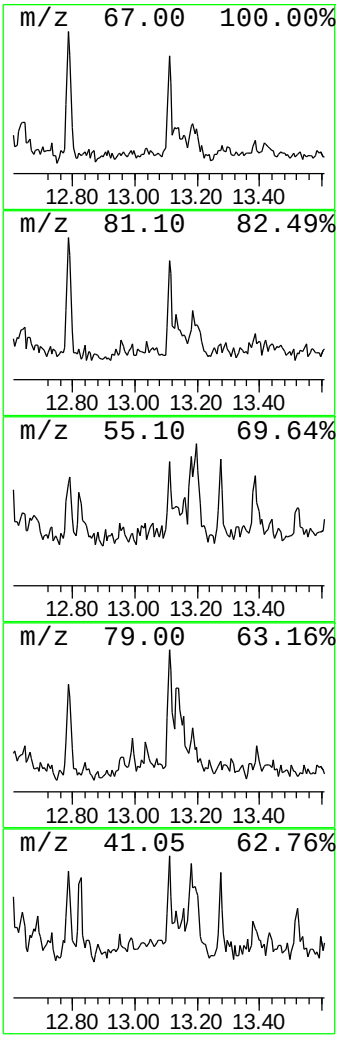
Peak Number 16 Tricyclo[5.2.1.0(2,6)]decan... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.11 | 2.52 ng | 54406 | Chrysene-d12 | 14.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tricyclo[5.2.1.0(2,6)]decane, 4-... | 150 | C11H18 | 1000150-03-4 | 70 |
| 2 | Methyl 5,9,12-octadecatrienoate | 292 | C19H32O2 | 1000336-37-5 | 58 |
| 3 | Cis-4-methyl-exo-tricyclo[5.2.1.... | 150 | C11H18 | 1000215-29-2 | 58 |
| 4 | Cyclooctene, 4-ethenyl- | 136 | C10H16 | 001124-45-4 | 50 |
| 5 | Tricyclo[6.4.0.0(3,7)]dodecane | 164 | C12H20 | 1000298-96-3 | 49 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100979.D
Acq On : 29 Nov 2017 15:50
Operator : SJ/JU
Sample : I6306-05 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-08-112817-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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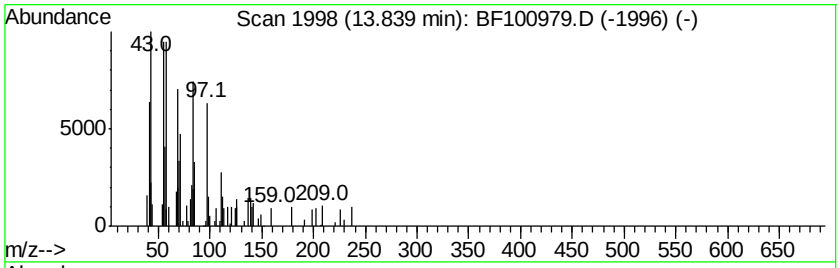
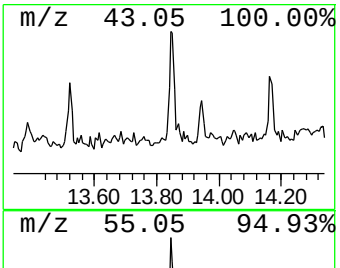
Peak Number 17 Octacosyl heptafluorobutyrate Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.84 | 3.64 ng | 78438 | Chrysene-d12 | 14.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octacosyl heptafluorobutyrate | 606 | C32H57F7O2 | 1000351-83-6 | 87 |
| 2 | Octacosyl trifluoroacetate | 506 | C30H57F3O2 | 1000351-74-9 | 87 |
| 3 | Tetratriacontyl heptafluorobutyrate | 691 | C38H69F7O2 | 1000351-84-1 | 83 |
| 4 | Triacontyl heptafluorobutyrate | 634 | C34H61F7O2 | 1000351-83-2 | 83 |
| 5 | Triacontyl trifluoroacetate | 534 | C32H61F3O2 | 1000351-75-7 | 83 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100979.D
Acq On : 29 Nov 2017 15:50
Operator : SJ/JU
Sample : I6306-05 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-08-112817-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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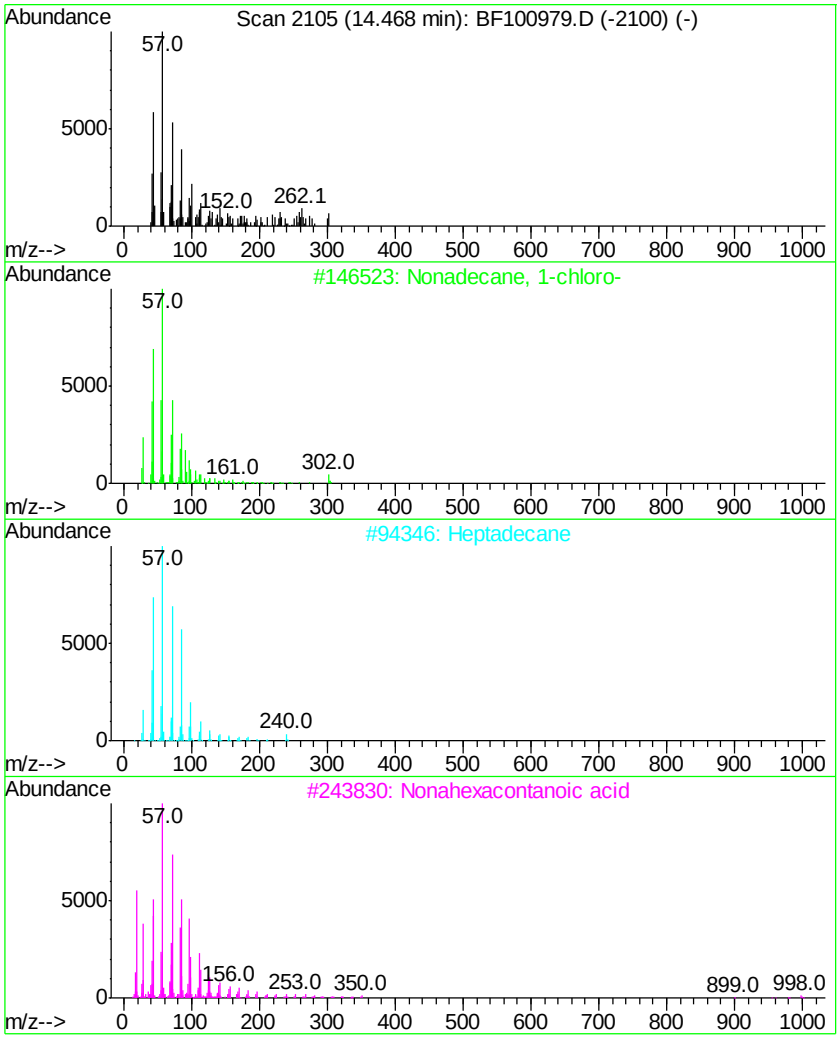
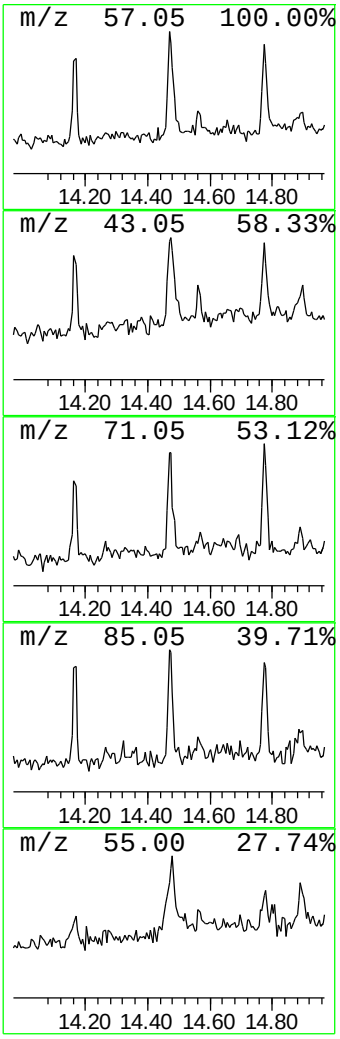
Peak Number 18 Nonadecane, 1-chloro- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.47 | 5.60 ng | 120749 | Chrysene-d12 | 14.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane, 1-chloro- | 302 | C19H39Cl | 062016-76-6 | 89 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 64 |
| 3 | Nonahexacontanoic acid | 999 | C69H138O2 | 040710-32-5 | 62 |
| 4 | 1-Dodecanol, 2-octyl- | 298 | C20H42O | 005333-42-6 | 62 |
| 5 | Sulfurous acid, butyl heptadecyl... | 376 | C21H44O3S | 1000309-18-4 | 58 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
Data File : BF100979.D
Acq On : 29 Nov 2017 15:50
Operator : SJ/JU
Sample : I6306-05 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-08-112817-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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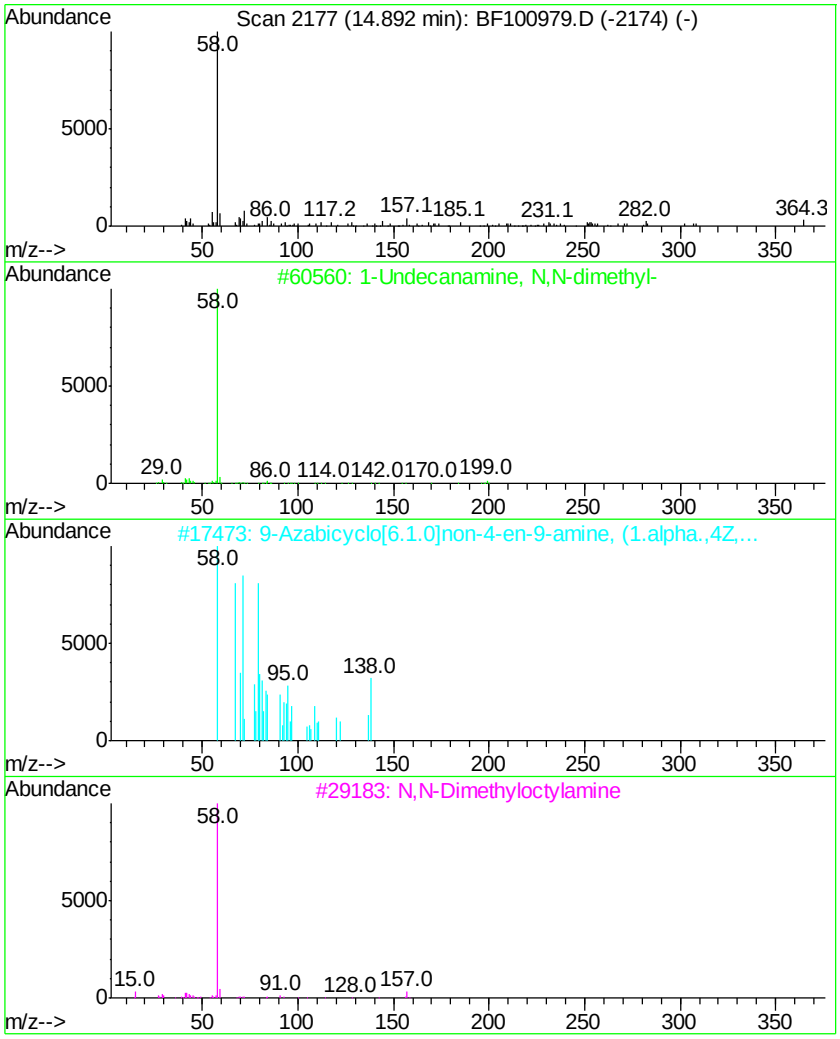
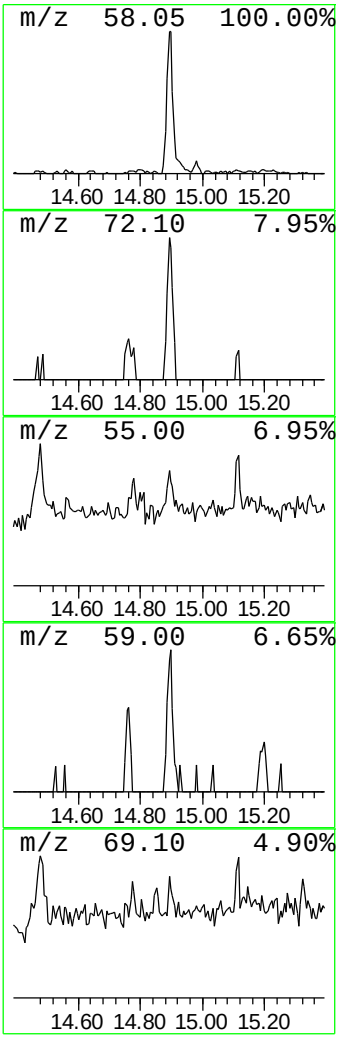
Peak Number 19 1-Undecanamine, N,N-dimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.89 | 3.69 ng | 70561 | Perylene-d12 | 15.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Undecanamine, N,N-dimethyl- | 199 | C13H29N | 017373-28-3 | 64 |
| 2 | 9-Azabicyclo[6.1.0]non-4-en-9-am... | 138 | C8H14N2 | 066387-78-8 | 64 |
| 3 | N,N-Dimethyloctylamine | 157 | C10H23N | 007378-99-6 | 64 |
| 4 | 1-Decanamine, N,N-dimethyl- | 185 | C12H27N | 001120-24-7 | 64 |
| 5 | N,N-Dimethyl-2-cyclohexyloxyethy... | 171 | C10H21NO | 071126-60-8 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112917\
Data File : BF100979.D
Acq On : 29 Nov 2017 15:50
Operator : SJ/JU
Sample : I6306-05 2X
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NB-08-112817-B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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 |
| 2-Pentanone, 4-hy... | 5.07 | 2.7 | ng | 59069 | 1 | 6.85 | 440682 | 20.0 |
| unknown6.62 | 6.62 | 39.4 | ng | 867127 | 1 | 6.85 | 440682 | 20.0 |
| Hexadecane | 9.28 | 2.7 | ng | 79207 | 3 | 9.89 | 585452 | 20.0 |
| Dodecane | 10.31 | 3.9 | ng | 114815 | 3 | 9.89 | 585452 | 20.0 |
| Heptadecane | 10.78 | 5.5 | ng | 130794 | 4 | 11.37 | 474928 | 20.0 |
| Hexadecanoic acid... | 11.76 | 49.8 | ng | 1181400 | 4 | 11.37 | 474928 | 20.0 |
| 9,12-Octadecadien... | 12.46 | 139.7 | ng | 3316750 | 4 | 11.37 | 474928 | 20.0 |
| 12-Octadecenoic a... | 12.47 | 102.0 | ng | 2422520 | 4 | 11.37 | 474928 | 20.0 |
| Methyl stearate | 12.55 | 17.8 | ng | 422114 | 4 | 11.37 | 474928 | 20.0 |
| 9,12-Octadecadien... | 12.79 | 2.4 | ng | 52521 | 5 | 14.02 | 431096 | 20.0 |
| Tricyclo[5.2.1.0(... | 13.11 | 2.5 | ng | 54406 | 5 | 14.02 | 431096 | 20.0 |
| Octacosyl heptafl... | 13.84 | 3.6 | ng | 78438 | 5 | 14.02 | 431096 | 20.0 |
| Nonadecane, 1-chl... | 14.47 | 5.6 | ng | 120749 | 5 | 14.02 | 431096 | 20.0 |
| 1-Undecanamine, N... | 14.89 | 3.7 | ng | 70561 | 6 | 15.49 | 381936 | 20.0 |