LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
Data File : BF099017.D
Acq On : 2 Oct 2017 23:20
Operator : SJ/JU
Sample : I5531-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** G-62A-2.5-5

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-BF092317.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 | 2.198 | 14 | 19 | 24 | rVB | 91243 | 114962 | 5.09% | 0.684% |
| 2 | 2.581 | 77 | 84 | 89 | rVB3 | 15507 | 23394 | 1.04% | 0.139% |
| 3 | 4.516 | 410 | 413 | 421 | rBV | 87399 | 94512 | 4.19% | 0.563% |
| 4 | 4.645 | 431 | 435 | 439 | rBV | 30086 | 33137 | 1.47% | 0.197% |
| 5 | 4.822 | 462 | 465 | 476 | rBV | 19545 | 35825 | 1.59% | 0.213% |
| 6 | 5.139 | 512 | 519 | 522 | rBV | 1781185 | 2258190 | 100.00% | 13.441% |
| 7 | 5.522 | 581 | 584 | 588 | rVB | 70936 | 60782 | 2.69% | 0.362% |
| 8 | 6.522 | 748 | 754 | 763 | rVB | 796596 | 686334 | 30.39% | 4.085% |
| 9 | 6.669 | 776 | 779 | 783 | rVB | 246559 | 189123 | 8.37% | 1.126% |
| 10 | 6.728 | 786 | 789 | 793 | rBV2 | 29821 | 26674 | 1.18% | 0.159% |
| 11 | 6.904 | 815 | 819 | 822 | rBV | 926148 | 713691 | 31.60% | 4.248% |
| 12 | 6.957 | 824 | 828 | 831 | rBV | 141912 | 109085 | 4.83% | 0.649% |
| 13 | 7.057 | 841 | 845 | 849 | rBV | 1534655 | 1441373 | 63.83% | 8.579% |
| 14 | 7.463 | 910 | 914 | 917 | rBV | 1156202 | 1020087 | 45.17% | 6.072% |
| 15 | 7.492 | 917 | 919 | 923 | rVB | 27703 | 25130 | 1.11% | 0.150% |
| 16 | 8.157 | 1029 | 1032 | 1034 | rBV | 28874 | 30592 | 1.35% | 0.182% |
| 17 | 8.186 | 1034 | 1037 | 1040 | rVV | 1067768 | 880773 | 39.00% | 5.243% |
| 18 | 8.598 | 1104 | 1107 | 1109 | rBV | 30008 | 24455 | 1.08% | 0.146% |
| 19 | 8.769 | 1133 | 1136 | 1140 | rVB | 46143 | 34883 | 1.54% | 0.208% |
| 20 | 8.898 | 1155 | 1158 | 1161 | rBV | 35136 | 25955 | 1.15% | 0.154% |
| 21 | 8.998 | 1171 | 1175 | 1178 | rBV2 | 30712 | 32656 | 1.45% | 0.194% |
| 22 | 9.257 | 1215 | 1219 | 1223 | rBV | 1968520 | 1737288 | 76.93% | 10.341% |
| 23 | 9.333 | 1229 | 1232 | 1235 | rBV | 80756 | 70967 | 3.14% | 0.422% |
| 24 | 9.527 | 1261 | 1265 | 1268 | rBV3 | 22403 | 33235 | 1.47% | 0.198% |
| 25 | 9.598 | 1274 | 1277 | 1280 | rBV | 28387 | 31629 | 1.40% | 0.188% |
| 26 | 9.651 | 1283 | 1286 | 1289 | rVV | 325468 | 259029 | 11.47% | 1.542% |
| 27 | 9.804 | 1309 | 1312 | 1315 | rVV2 | 30092 | 24738 | 1.10% | 0.147% |
| 28 | 9.863 | 1318 | 1322 | 1325 | rVB | 81126 | 77622 | 3.44% | 0.462% |
| 29 | 9.945 | 1330 | 1336 | 1339 | rVV | 852397 | 790667 | 35.01% | 4.706% |
| 30 | 9.974 | 1339 | 1341 | 1345 | rVB | 40097 | 31166 | 1.38% | 0.186% |
| 31 | 10.098 | 1357 | 1362 | 1364 | rBV5 | 15624 | 22759 | 1.01% | 0.135% |
| 32 | 10.145 | 1367 | 1370 | 1373 | rVV2 | 32686 | 33667 | 1.49% | 0.200% |
| 33 | 10.180 | 1373 | 1376 | 1381 | rVB3 | 32675 | 34921 | 1.55% | 0.208% |
| 34 | 10.257 | 1387 | 1389 | 1391 | rBV2 | 25689 | 23140 | 1.02% | 0.138% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
Data File : BF099017.D
Acq On : 2 Oct 2017 23:20
Operator : SJ/JU
Sample : I5531-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** G-62A-2.5-5

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-BF092317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 10.363 | 1401 | 1407 | 1410 | rVB | 94232 | 93664 | 4.15% | 0.558% |
| 36 | 10.486 | 1425 | 1428 | 1431 | rBV2 | 25629 | 29888 | 1.32% | 0.178% |
| 37 | 10.580 | 1438 | 1444 | 1447 | rBV2 | 48353 | 60187 | 2.67% | 0.358% |
| 38 | 10.633 | 1450 | 1453 | 1457 | rBV6 | 13713 | 23706 | 1.05% | 0.141% |
| 39 | 10.727 | 1467 | 1469 | 1474 | rBV4 | 19455 | 23249 | 1.03% | 0.138% |
| 40 | 10.833 | 1485 | 1487 | 1488 | rBV | 93609 | 73858 | 3.27% | 0.440% |
| 41 | 11.027 | 1517 | 1520 | 1524 | rBV6 | 16480 | 24679 | 1.09% | 0.147% |
| 42 | 11.280 | 1560 | 1563 | 1566 | rBV | 107440 | 97179 | 4.30% | 0.578% |
| 43 | 11.310 | 1566 | 1568 | 1576 | rVB3 | 48395 | 72695 | 3.22% | 0.433% |
| 44 | 11.433 | 1585 | 1589 | 1591 | rBV | 732169 | 697424 | 30.88% | 4.151% |
| 45 | 11.451 | 1591 | 1592 | 1599 | rVV | 180444 | 170048 | 7.53% | 1.012% |
| 46 | 11.504 | 1599 | 1601 | 1604 | rVB | 35992 | 28628 | 1.27% | 0.170% |
| 47 | 11.639 | 1620 | 1624 | 1626 | rBV | 48368 | 49955 | 2.21% | 0.297% |
| 48 | 11.663 | 1626 | 1628 | 1631 | rVV2 | 27049 | 27272 | 1.21% | 0.162% |
| 49 | 11.710 | 1633 | 1636 | 1639 | rVB | 54565 | 41984 | 1.86% | 0.250% |
| 50 | 11.933 | 1671 | 1674 | 1676 | rBV | 31826 | 34176 | 1.51% | 0.203% |
| 51 | 11.957 | 1676 | 1678 | 1681 | rVB | 33258 | 28984 | 1.28% | 0.173% |
| 52 | 12.039 | 1689 | 1692 | 1695 | rBV2 | 34194 | 39131 | 1.73% | 0.233% |
| 53 | 12.115 | 1703 | 1705 | 1707 | rBV | 53262 | 38811 | 1.72% | 0.231% |
| 54 | 12.504 | 1769 | 1771 | 1775 | rVB2 | 57359 | 56275 | 2.49% | 0.335% |
| 55 | 12.645 | 1792 | 1795 | 1798 | rBV | 201372 | 163954 | 7.26% | 0.976% |
| 56 | 12.892 | 1831 | 1837 | 1842 | rBV2 | 539884 | 756072 | 33.48% | 4.500% |
| 57 | 13.015 | 1851 | 1858 | 1861 | rBV | 1450075 | 1386119 | 61.38% | 8.250% |
| 58 | 13.233 | 1893 | 1895 | 1897 | rBV | 43556 | 32081 | 1.42% | 0.191% |
| 59 | 13.486 | 1935 | 1938 | 1942 | rVB | 174679 | 132284 | 5.86% | 0.787% |
| 60 | 13.898 | 2006 | 2008 | 2015 | rVB3 | 96277 | 118644 | 5.25% | 0.706% |
| 61 | 14.074 | 2034 | 2038 | 2041 | rBV | 768862 | 754750 | 33.42% | 4.492% |
| 62 | 15.568 | 2288 | 2292 | 2300 | rVB | 551391 | 712331 | 31.54% | 4.240% |

Sum of corrected areas: 16800469

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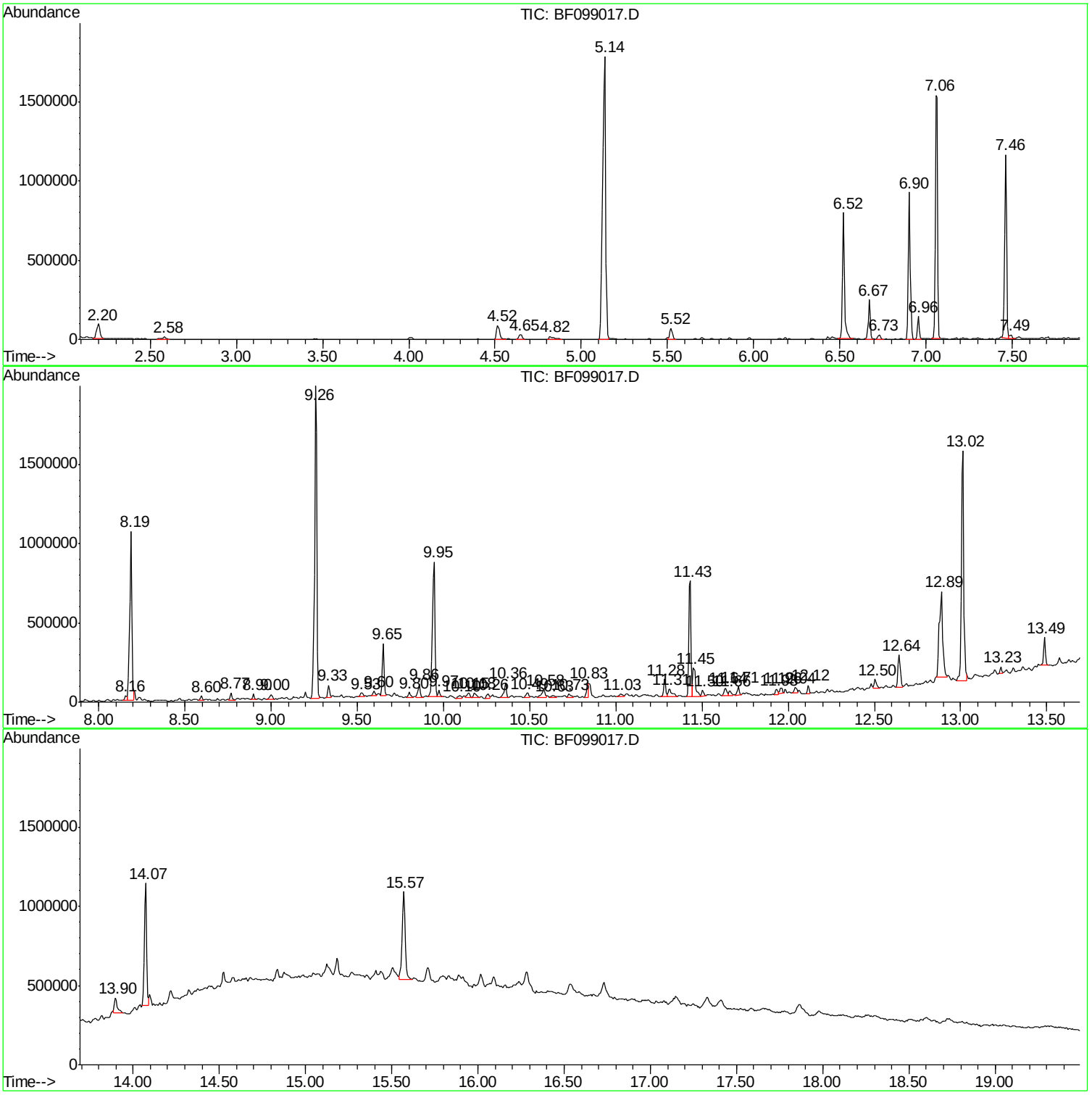
Sample : I5531-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** G-62A-2.5-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
Data File : BF099017.D
Acq On : 2 Oct 2017 23:20
Operator : SJ/JU
Sample : I5531-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** G-62A-2.5-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

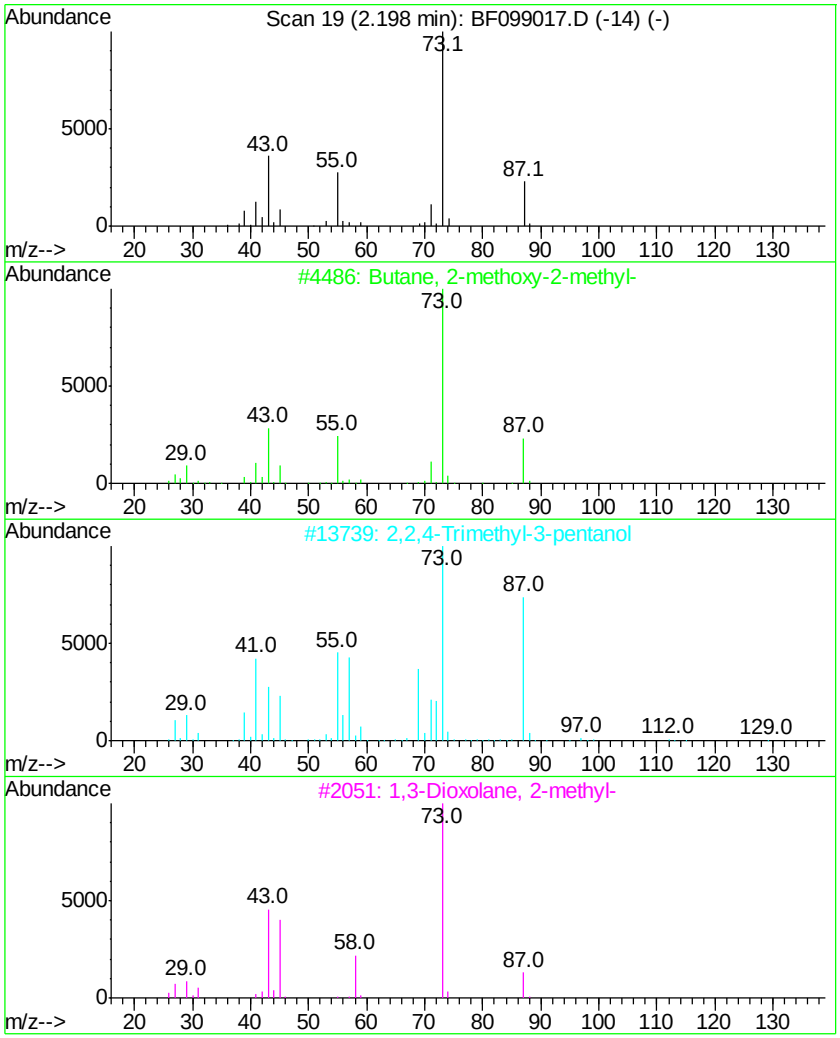
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

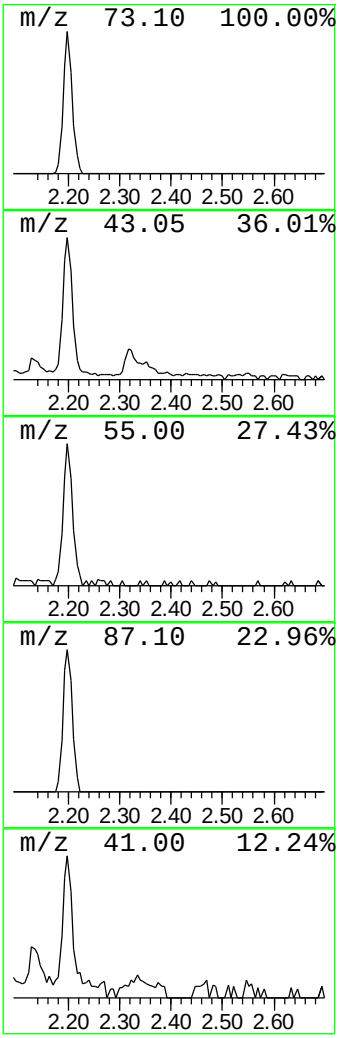
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.20 | 3.22 ng | 114962 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 3 | 1,3-Dioxolane, 2-methyl- | 88 | C4H8O2 | 000497-26-7 | 37 |
| 4 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 5 | 3-Hexanol, 2-methyl- | 116 | C7H16O | 000617-29-8 | 16 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
Data File : BF099017.D
Acq On : 2 Oct 2017 23:20
Operator : SJ/JU
Sample : I5531-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** G-62A-2.5-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

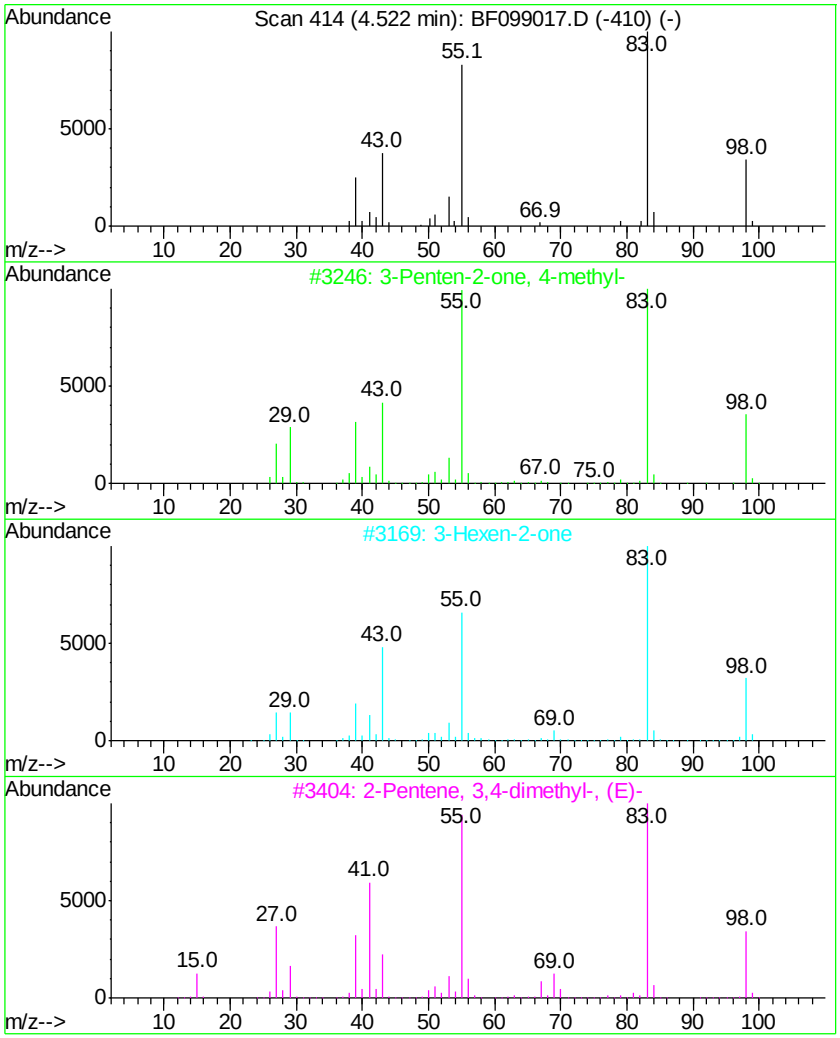
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

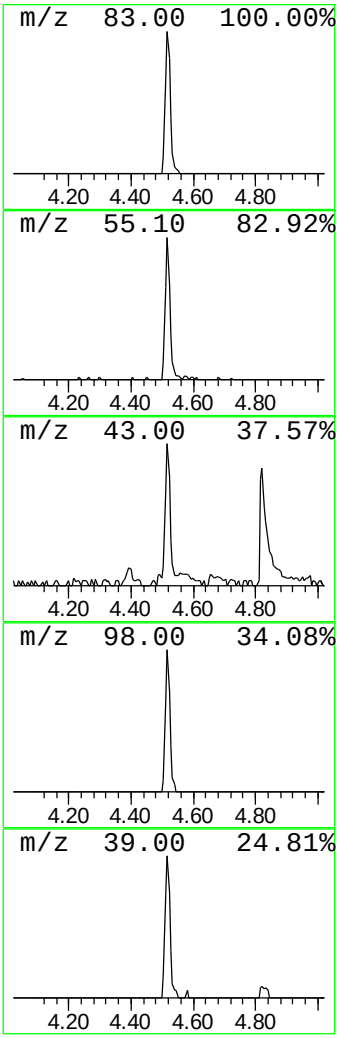
**********

Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.52 | 2.65 ng | 94512 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Penten-2-one, 4-methyl- | 98 | C6H10O | 000141-79-7 | 95 |
| 2 | 3-Hexen-2-one | 98 | C6H10O | 000763-93-9 | 91 |
| 3 | 2-Pentene, 3,4-dimethyl-, (E)- | 98 | C7H14 | 004914-92-5 | 90 |
| 4 | 2-Pentene, 2,4-dimethyl- | 98 | C7H14 | 000625-65-0 | 87 |
| 5 | 2-Pentene, 4,4-dimethyl-, (Z)- | 98 | C7H14 | 000762-63-0 | 86 |



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Data File : BF099017.D
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Operator : SJ/JU
Sample : I5531-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** G-62A-2.5-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

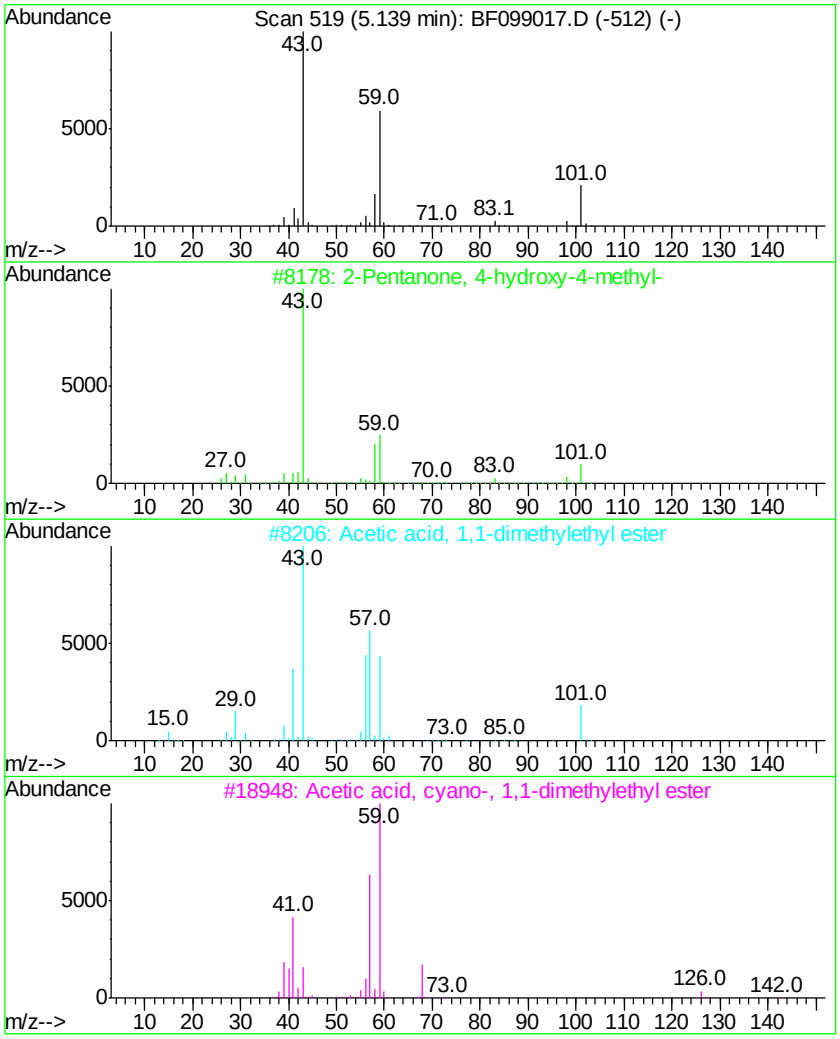
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

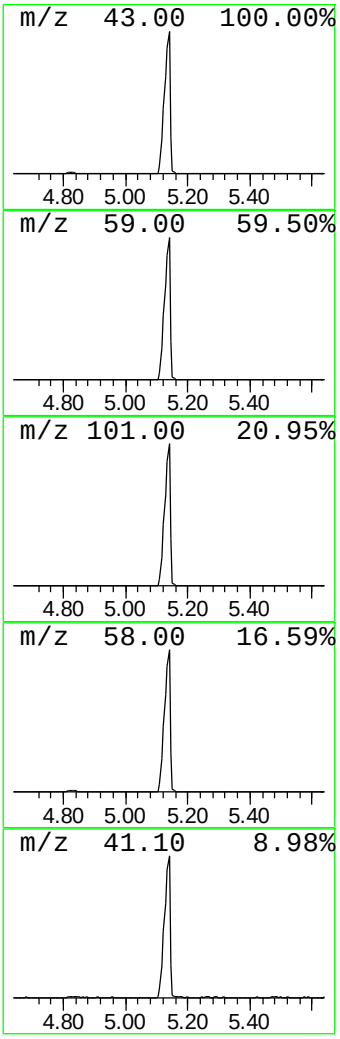
**********

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.14 | 63.28 ng | 2258190 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 3 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 23 |
| 4 | Acetone | 58 | C3H6O | 000067-64-1 | 9 |
| 5 | Morpholine, 4-methyl- | 101 | C5H11NO | 000109-02-4 | 9 |



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Misc :
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**Instrument :** BNA_F
**ClientSampleId :** G-62A-2.5-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

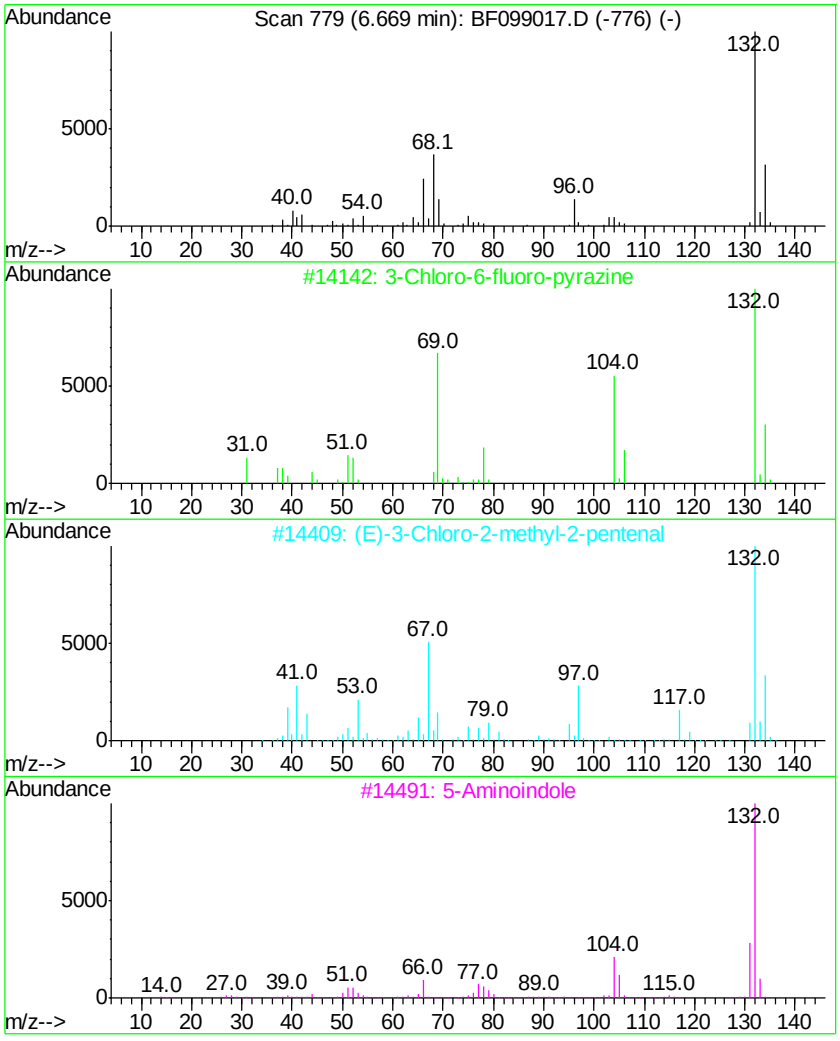
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

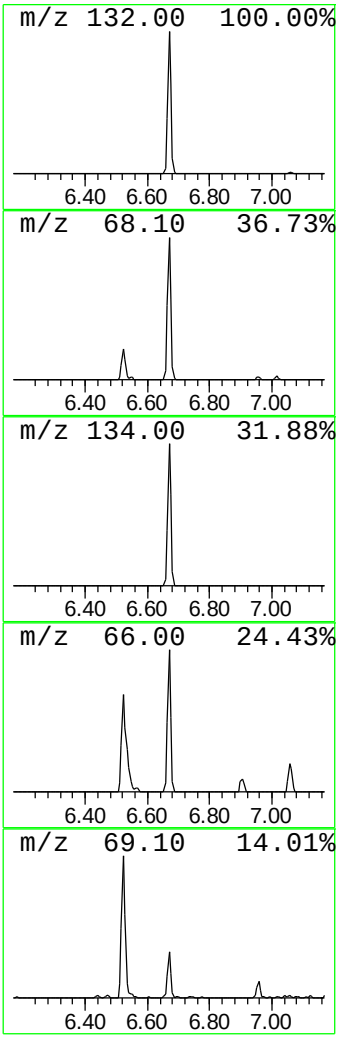
**********

Peak Number 4 unknown6.67 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.67 | 5.30 ng | 189123 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 25 |
| 2 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 9 |
| 5 | 4-Chloro-6-fluoro-pyrimidine | 132 | C4H2ClFN2 | 051422-01-6 | 9 |



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Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** G-62A-2.5-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

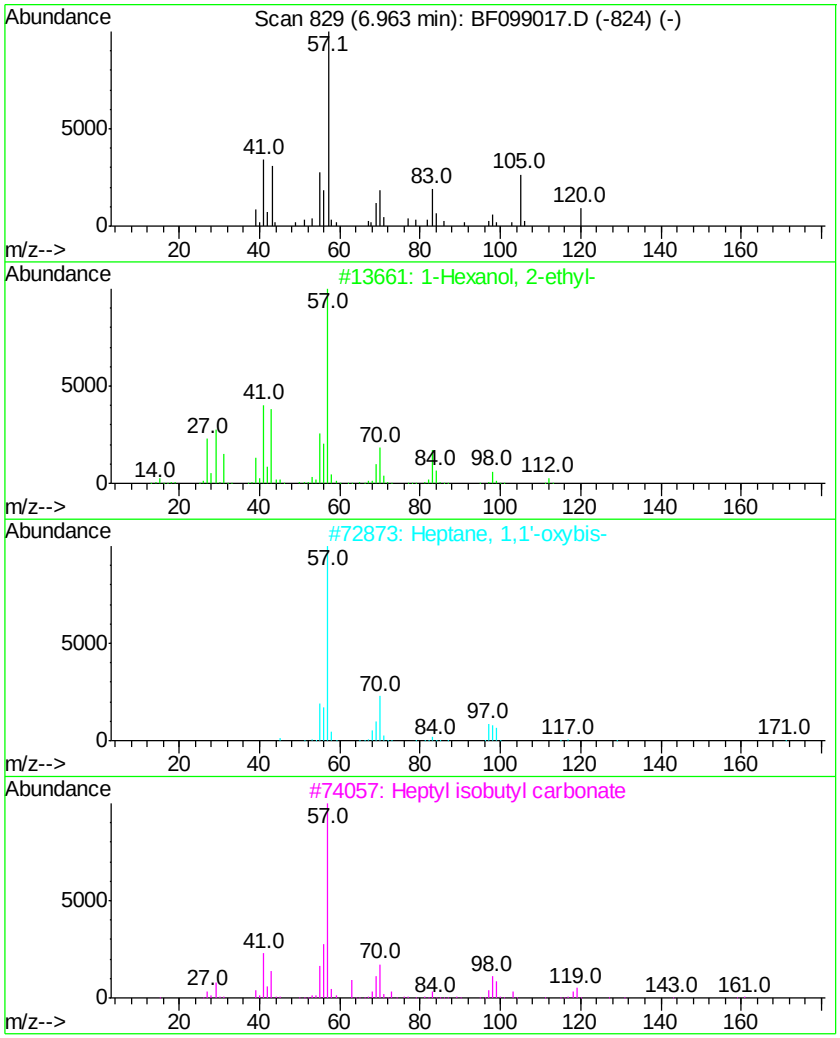
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

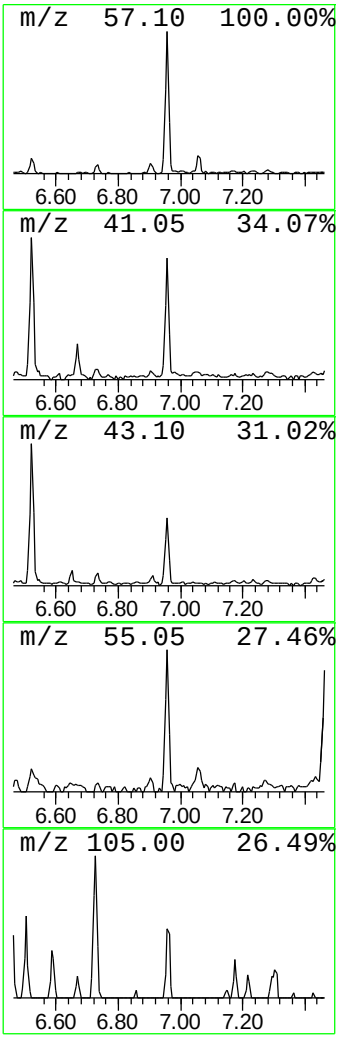
**********

Peak Number 5 1-Hexanol, 2-ethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.96 | 3.06 ng | 109085 | 1,4-Dichlorobenzene-d4 | 6.90 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 64 |
| 2 | Heptane, 1,1'-oxybis- | 214 | C14H30O | 000629-64-1 | 53 |
| 3 | Heptyl isobutyl carbonate | 216 | C12H24O3 | 959068-08-7 | 50 |
| 4 | Octane, 2,3-dimethyl- | 142 | C10H22 | 007146-60-3 | 42 |
| 5 | Oxalic acid, heptyl propyl ester | 230 | C12H22O4 | 1000309-26-0 | 38 |



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Sample : I5531-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** G-62A-2.5-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

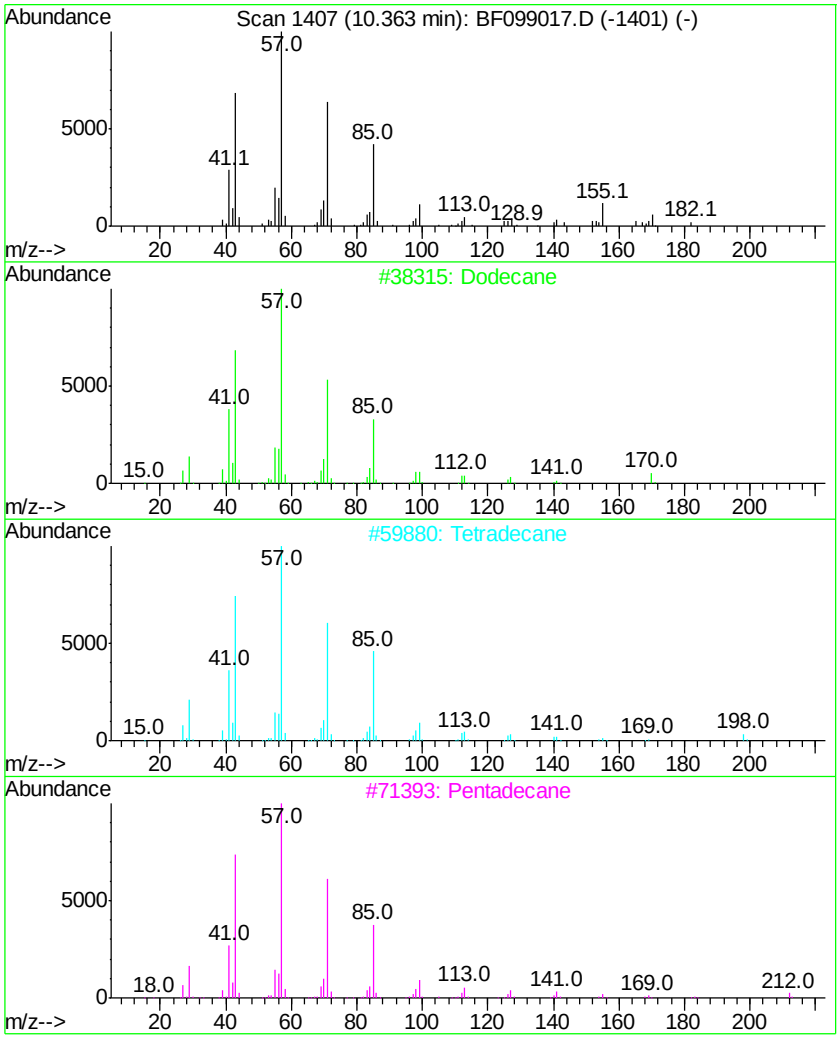
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

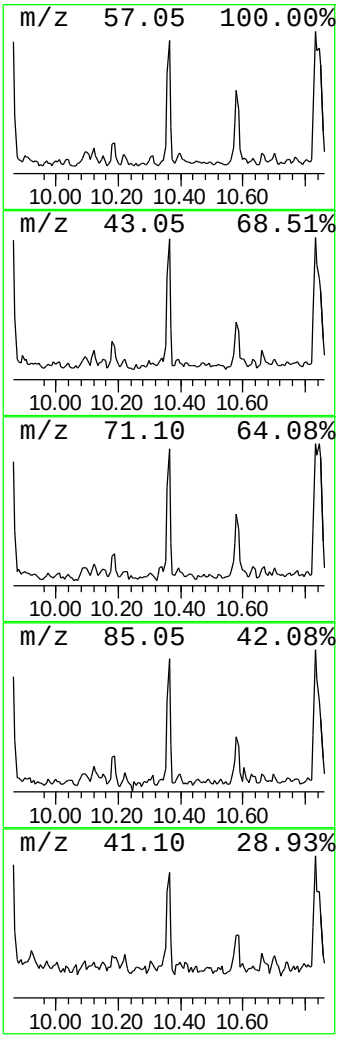
**********

Peak Number 7 Dodecane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.36 | 2.37 ng | 93664 | Acenaphthene-d10 | 9.95 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane | 170 | C12H26 | 000112-40-3 | 90 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 86 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 5 | Tridecane | 184 | C13H28 | 000629-50-5 | 86 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
Data File : BF099017.D
Acq On : 2 Oct 2017 23:20
Operator : SJ/JU
Sample : I5531-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** G-62A-2.5-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

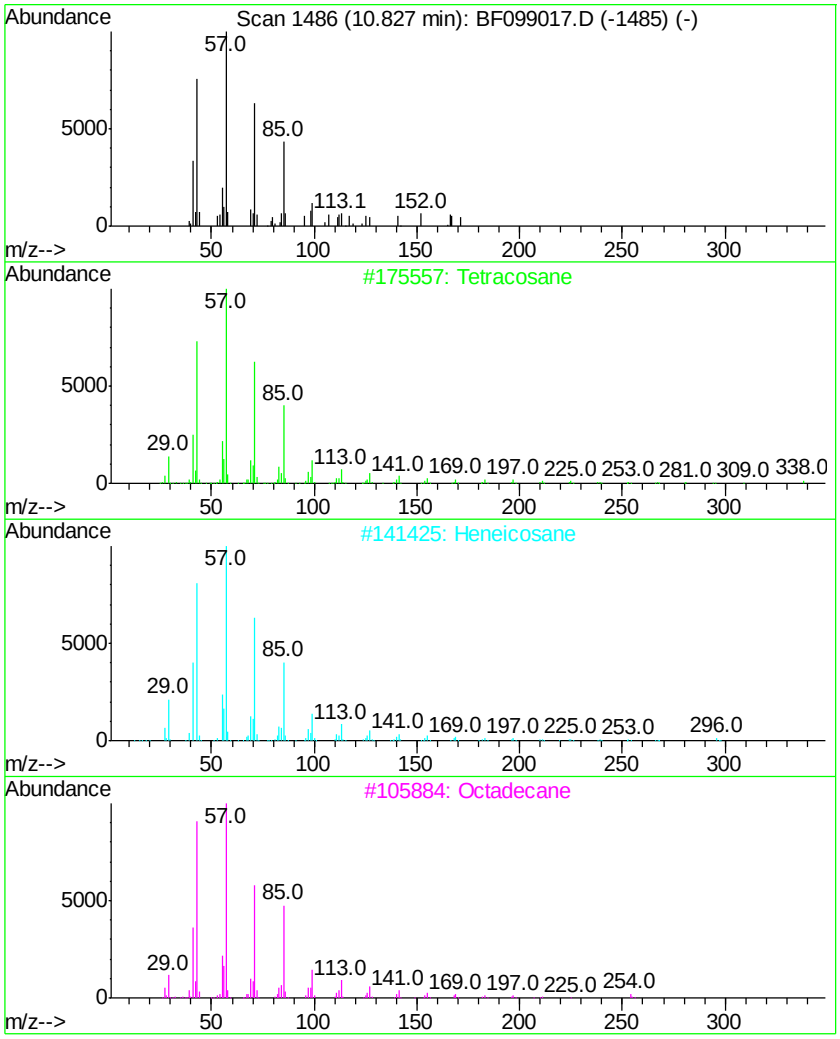
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

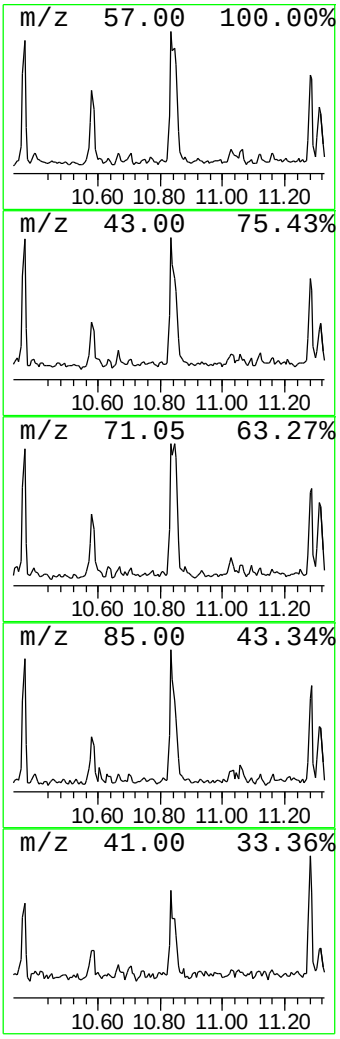
**********

Peak Number 8 Tetracosane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.83 | 2.12 ng | 73858 | Phenanthrene-d10 | 11.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 4 | Heptadecane | 240 | C17H36 | 000629-78-7 | 91 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
Data File : BF099017.D
Acq On : 2 Oct 2017 23:20
Operator : SJ/JU
Sample : I5531-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** G-62A-2.5-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

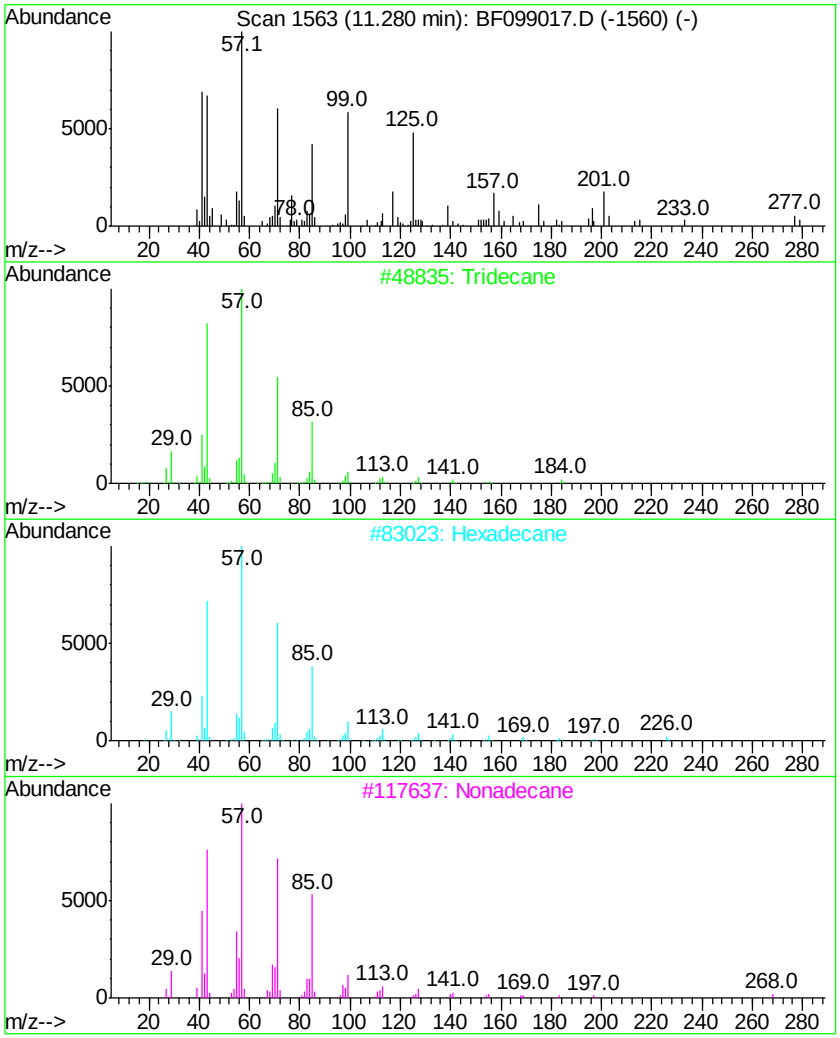
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

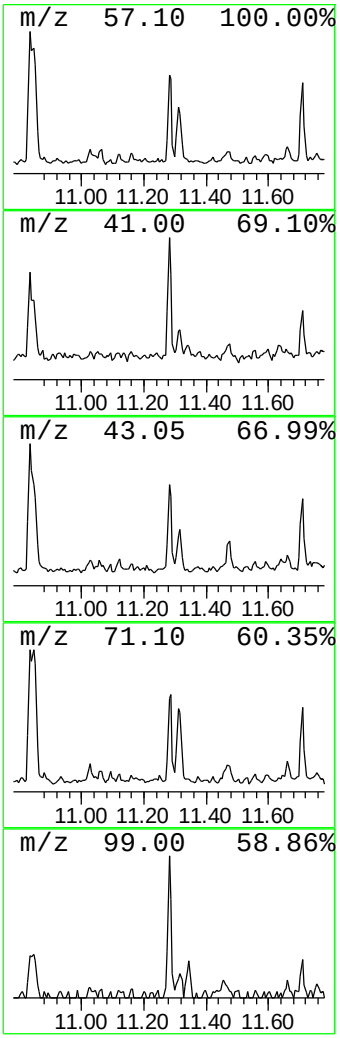
**********

Peak Number 9 Tridecane Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.28 | 2.79 ng | 97179 | Phenanthrene-d10 | 11.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 55 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 30 |
| 3 | Nonadecane | 268 | C19H40 | 000629-92-5 | 30 |
| 4 | Pentadecane | 212 | C15H32 | 000629-62-9 | 30 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 30 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
Data File : BF099017.D
Acq On : 2 Oct 2017 23:20
Operator : SJ/JU
Sample : I5531-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** G-62A-2.5-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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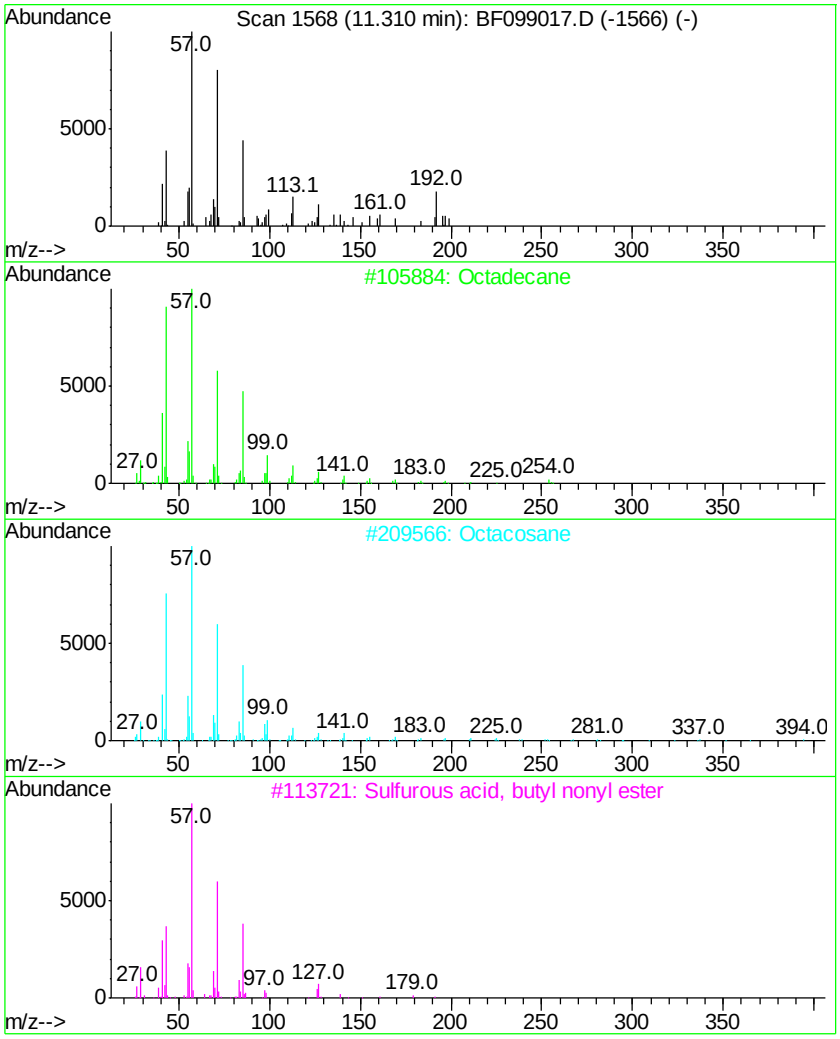
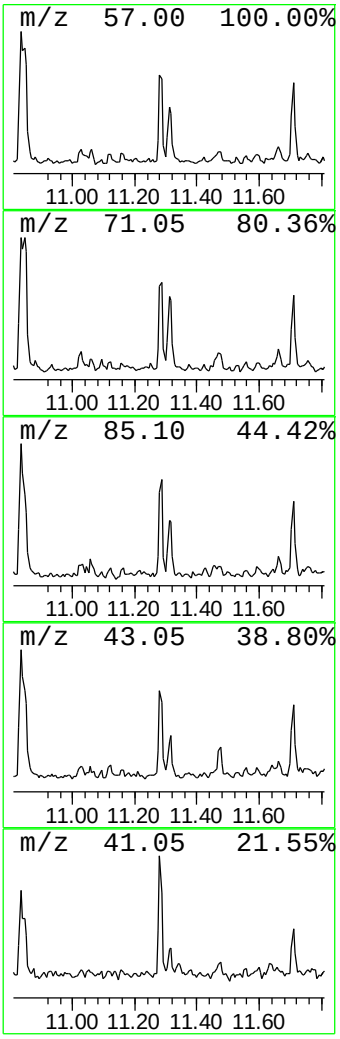
Peak Number 10 Octadecane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.31 | 2.08 ng | 72695 | Phenanthrene-d10 | 11.43 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 78 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 64 |
| 3 | Sulfurous acid, butyl nonyl ester | 264 | C13H28O3S | 1000309-17-6 | 64 |
| 4 | Decane, 3,6-dimethyl- | 170 | C12H26 | 017312-53-7 | 64 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 64 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
Data File : BF099017.D
Acq On : 2 Oct 2017 23:20
Operator : SJ/JU
Sample : I5531-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** G-62A-2.5-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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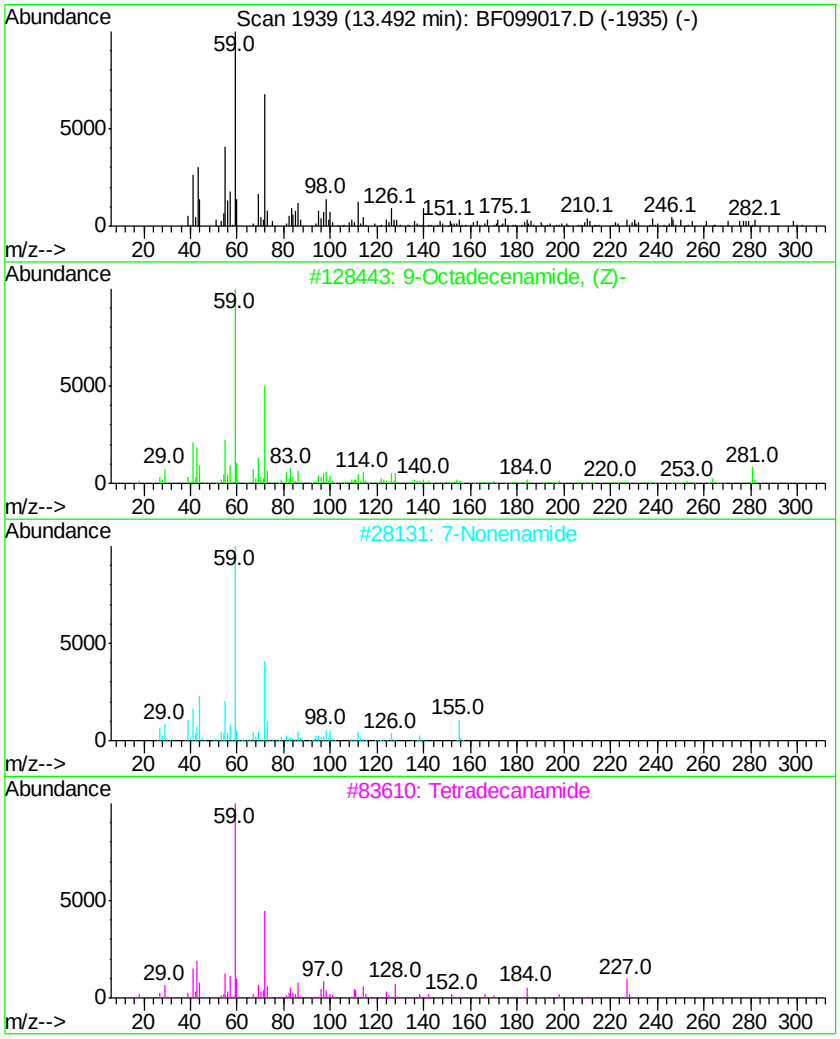
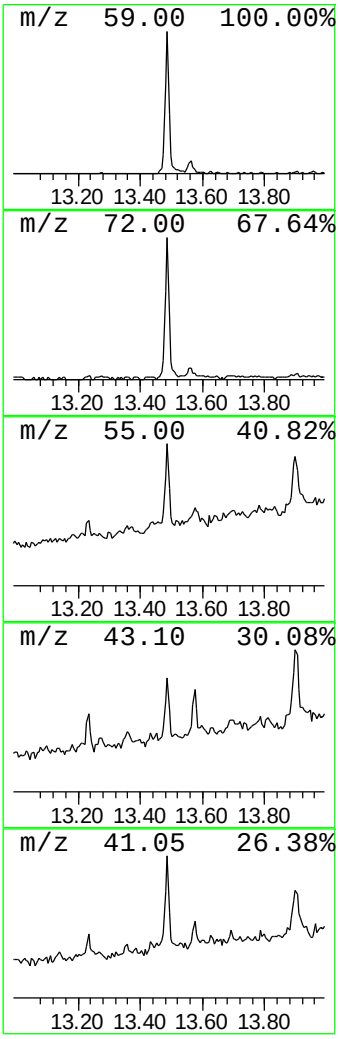
Peak Number 11 9-Octadecenamide, (Z)- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.49 | 3.51 ng | 132284 | Chrysene-d12 | 14.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Octadecenamide, (Z)- | 281 | C18H35NO | 000301-02-0 | 78 |
| 2 | 7-Nonenamide | 155 | C9H17NO | 090949-53-4 | 72 |
| 3 | Tetradecanamide | 227 | C14H29NO | 000638-58-4 | 72 |
| 4 | Octanamide | 143 | C8H17NO | 000629-01-6 | 64 |
| 5 | Heptanamide, 4-ethyl-5-methyl- | 171 | C10H21NO | 054789-40-1 | 59 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
Data File : BF099017.D
Acq On : 2 Oct 2017 23:20
Operator : SJ/JU
Sample : I5531-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** G-62A-2.5-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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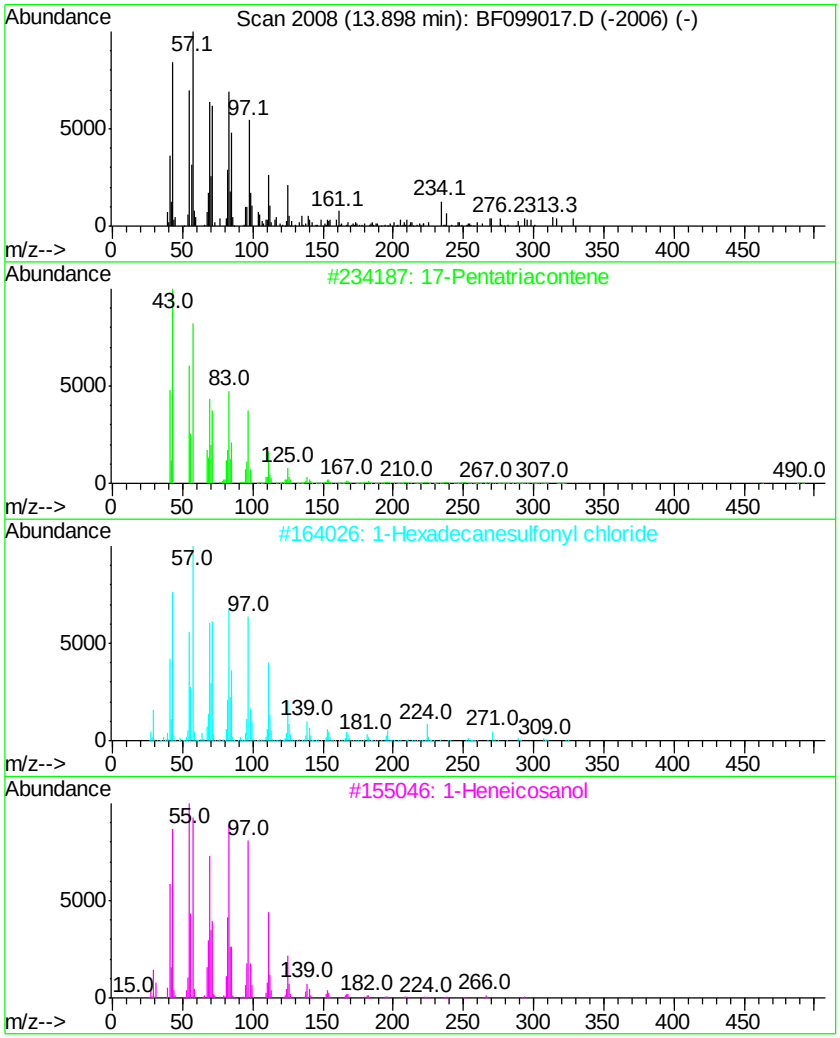
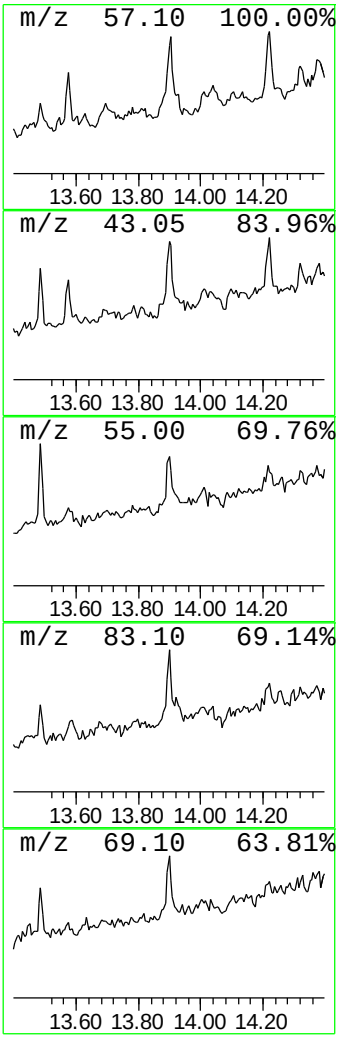
Peak Number 12 17-Pentatriacontene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.90 | 3.14 ng | 118644 | Chrysene-d12 | 14.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 68 |
| 2 | 1-Hexadecanesulfonyl chloride | 324 | C16H33ClO2S | 038775-38-1 | 64 |
| 3 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 60 |
| 4 | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 60 |
| 5 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 60 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100217\
Data File : BF099017.D
Acq On : 2 Oct 2017 23:20
Operator : SJ/JU
Sample : I5531-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** G-62A-2.5-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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 |
| Butane, 2-methoxy... | 2.20 | 3.2 | ng | 114962 | 1 | 6.90 | 713691 | 20.0 |
| 3-Penten-2-one, 4... | 4.52 | 2.6 | ng | 94512 | 1 | 6.90 | 713691 | 20.0 |
| 2-Pentanone, 4-hy... | 5.14 | 63.3 | ng | 2258190 | 1 | 6.90 | 713691 | 20.0 |
| unknown6.67 | 6.67 | 5.3 | ng | 189123 | 1 | 6.90 | 713691 | 20.0 |
| 1-Hexanol, 2-ethyl- | 6.96 | 3.1 | ng | 109085 | 1 | 6.90 | 713691 | 20.0 |
| Dodecane | 10.36 | 2.4 | ng | 93664 | 3 | 9.95 | 790667 | 20.0 |
| Tetracosane | 10.83 | 2.1 | ng | 73858 | 4 | 11.43 | 697424 | 20.0 |
| Tridecane | 11.28 | 2.8 | ng | 97179 | 4 | 11.43 | 697424 | 20.0 |
| Octadecane | 11.31 | 2.1 | ng | 72695 | 4 | 11.43 | 697424 | 20.0 |
| 9-Octadecenamide,... | 13.49 | 3.5 | ng | 132284 | 5 | 14.07 | 754750 | 20.0 |
| 17-Pentatriacontene | 13.90 | 3.1 | ng | 118644 | 5 | 14.07 | 754750 | 20.0 |