LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103439.D
Acq On : 6 Mar 2018 4:50
Operator : SJ/JU
Sample : J1761-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TR-04-0302018

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-BF022218.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 | 2.116 | 3 | 5 | 12 | rVB | 156375 | 182352 | 5.97% | 0.681% |
| 2 | 5.104 | 510 | 513 | 526 | rBV | 47250 | 71676 | 2.35% | 0.268% |
| 3 | 5.504 | 577 | 581 | 608 | rBV | 1889881 | 2893357 | 94.78% | 10.811% |
| 4 | 6.516 | 749 | 753 | 771 | rBV | 2206262 | 3052611 | 100.00% | 11.407% |
| 5 | 6.645 | 771 | 775 | 786 | rVV | 2486889 | 2718501 | 89.05% | 10.158% |
| 6 | 6.875 | 810 | 814 | 830 | rVB | 708467 | 813920 | 26.66% | 3.041% |
| 7 | 7.028 | 836 | 840 | 856 | rBV | 2108951 | 2084677 | 68.29% | 7.790% |
| 8 | 7.439 | 906 | 910 | 925 | rBV | 1506765 | 1667767 | 54.63% | 6.232% |
| 9 | 8.157 | 1028 | 1032 | 1050 | rVB | 905860 | 993675 | 32.55% | 3.713% |
| 10 | 9.092 | 1188 | 1191 | 1197 | rBV | 167649 | 142682 | 4.67% | 0.533% |
| 11 | 9.228 | 1211 | 1214 | 1224 | rVB | 2746815 | 2560539 | 83.88% | 9.568% |
| 12 | 9.333 | 1229 | 1232 | 1237 | rBV | 46542 | 43093 | 1.41% | 0.161% |
| 13 | 9.392 | 1239 | 1242 | 1250 | rVB | 49899 | 71723 | 2.35% | 0.268% |
| 14 | 9.622 | 1277 | 1281 | 1284 | rBV2 | 124316 | 140750 | 4.61% | 0.526% |
| 15 | 9.645 | 1284 | 1285 | 1292 | rVB4 | 33783 | 35701 | 1.17% | 0.133% |
| 16 | 9.704 | 1292 | 1295 | 1300 | rBB3 | 31751 | 41967 | 1.37% | 0.157% |
| 17 | 9.916 | 1326 | 1331 | 1342 | rVB | 991672 | 989874 | 32.43% | 3.699% |
| 18 | 10.298 | 1394 | 1396 | 1398 | rBV | 68200 | 57569 | 1.89% | 0.215% |
| 19 | 10.322 | 1398 | 1400 | 1404 | rVB2 | 58748 | 53526 | 1.75% | 0.200% |
| 20 | 10.545 | 1433 | 1438 | 1441 | rBV2 | 37763 | 48957 | 1.60% | 0.183% |
| 21 | 10.710 | 1462 | 1466 | 1475 | rBV | 1182953 | 1269106 | 41.57% | 4.742% |
| 22 | 10.810 | 1479 | 1483 | 1487 | rVV | 63763 | 78019 | 2.56% | 0.292% |
| 23 | 10.904 | 1496 | 1499 | 1503 | rVB | 38405 | 35056 | 1.15% | 0.131% |
| 24 | 11.251 | 1555 | 1558 | 1560 | rBV | 32041 | 33643 | 1.10% | 0.126% |
| 25 | 11.280 | 1560 | 1563 | 1570 | rVB2 | 47937 | 58464 | 1.92% | 0.218% |
| 26 | 11.339 | 1570 | 1573 | 1578 | rBV3 | 57906 | 61934 | 2.03% | 0.231% |
| 27 | 11.410 | 1581 | 1585 | 1589 | rBV | 836981 | 814887 | 26.69% | 3.045% |
| 28 | 11.557 | 1607 | 1610 | 1613 | rBV | 193788 | 161975 | 5.31% | 0.605% |
| 29 | 11.616 | 1615 | 1620 | 1626 | rBV4 | 31132 | 71449 | 2.34% | 0.267% |
| 30 | 11.674 | 1627 | 1630 | 1632 | rBV | 36991 | 31436 | 1.03% | 0.117% |
| 31 | 11.780 | 1644 | 1648 | 1651 | rVB2 | 281819 | 238303 | 7.81% | 0.890% |
| 32 | 11.916 | 1668 | 1671 | 1674 | rBV3 | 53188 | 58056 | 1.90% | 0.217% |
| 33 | 11.957 | 1674 | 1678 | 1681 | rVB | 614145 | 547394 | 17.93% | 2.045% |
| 34 | 12.027 | 1687 | 1690 | 1693 | rBV2 | 31590 | 32109 | 1.05% | 0.120% |

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103439.D
Acq On : 6 Mar 2018 4:50
Operator : SJ/JU
Sample : J1761-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TR-04-0302018

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-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.192 | 1715 | 1718 | 1721 | rBV | 51845 | 46498 | 1.52% | 0.174% |
| 36 | 12.469 | 1761 | 1765 | 1766 | rBV | 632954 | 542634 | 17.78% | 2.028% |
| 37 | 12.486 | 1766 | 1768 | 1776 | rVB | 612751 | 573926 | 18.80% | 2.145% |
| 38 | 12.574 | 1778 | 1783 | 1788 | rBV | 112345 | 114452 | 3.75% | 0.428% |
| 39 | 12.633 | 1790 | 1793 | 1796 | rVB | 27832 | 30608 | 1.00% | 0.114% |
| 40 | 12.792 | 1818 | 1820 | 1826 | rVB3 | 28319 | 36888 | 1.21% | 0.138% |
| 41 | 12.845 | 1826 | 1829 | 1831 | rBV | 107702 | 91965 | 3.01% | 0.344% |
| 42 | 12.992 | 1850 | 1854 | 1858 | rBV | 1746984 | 1719691 | 56.34% | 6.426% |
| 43 | 13.204 | 1887 | 1890 | 1893 | rVB | 139321 | 120905 | 3.96% | 0.452% |
| 44 | 13.427 | 1925 | 1928 | 1930 | rBV3 | 29551 | 33250 | 1.09% | 0.124% |
| 45 | 13.545 | 1945 | 1948 | 1953 | rVB | 126164 | 108292 | 3.55% | 0.405% |
| 46 | 13.874 | 2001 | 2004 | 2012 | rBV | 197123 | 221641 | 7.26% | 0.828% |
| 47 | 14.068 | 2033 | 2037 | 2045 | rVB | 523060 | 567472 | 18.59% | 2.120% |
| 48 | 14.198 | 2056 | 2059 | 2062 | rBV | 59840 | 65656 | 2.15% | 0.245% |
| 49 | 15.580 | 2291 | 2294 | 2301 | rVB2 | 259228 | 331398 | 10.86% | 1.238% |

Sum of corrected areas: 26762024

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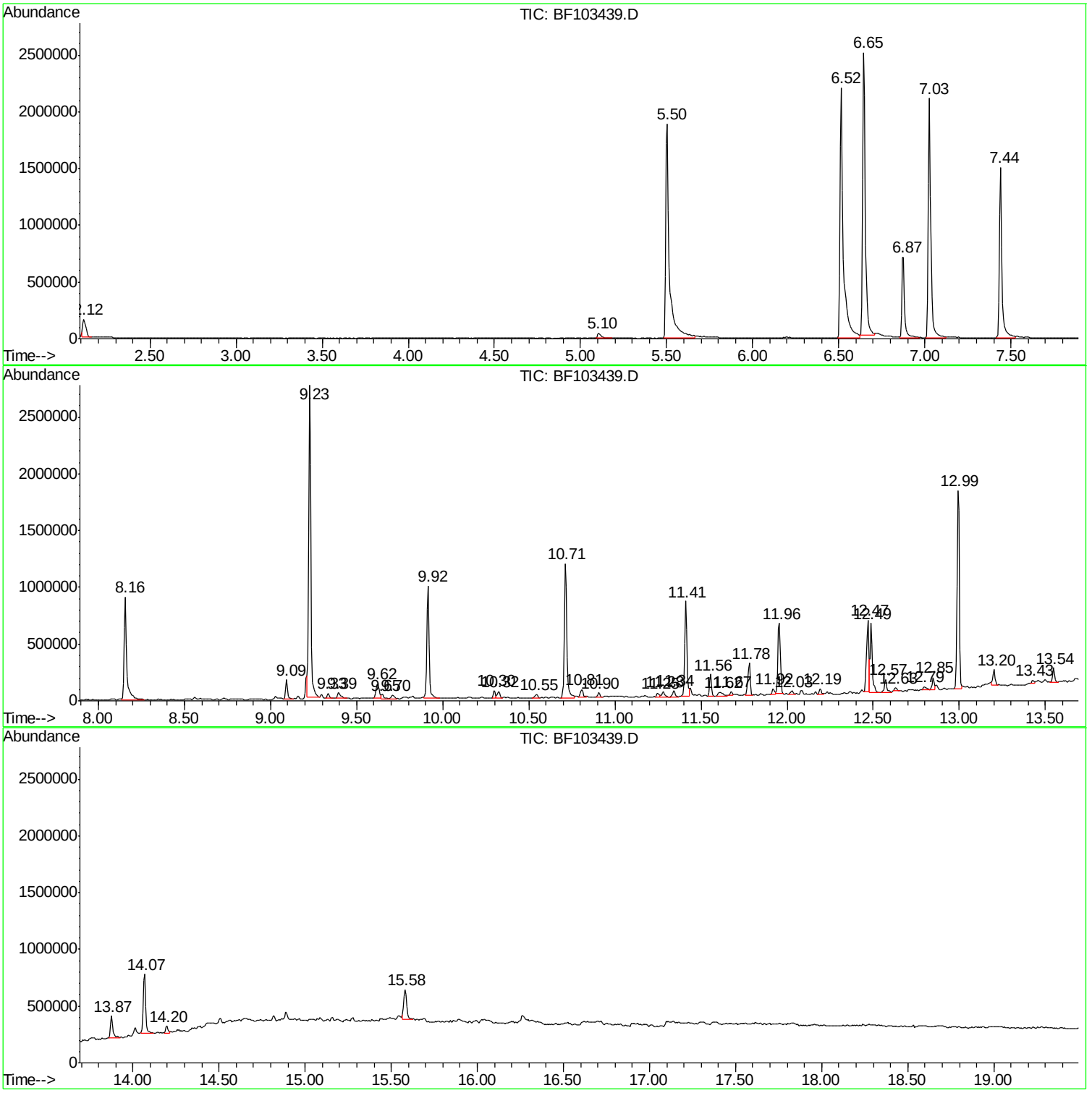
Sample : J1761-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TR-04-0302018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103439.D
Acq On : 6 Mar 2018 4:50
Operator : SJ/JU
Sample : J1761-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TR-04-0302018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

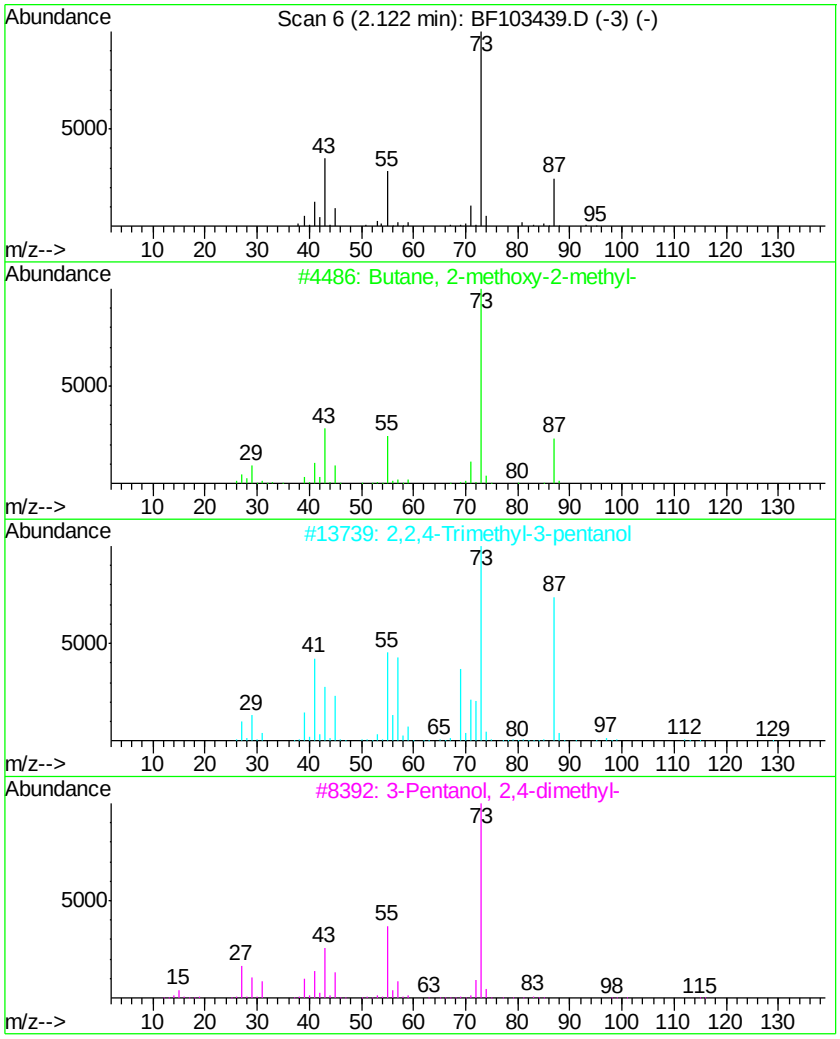
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

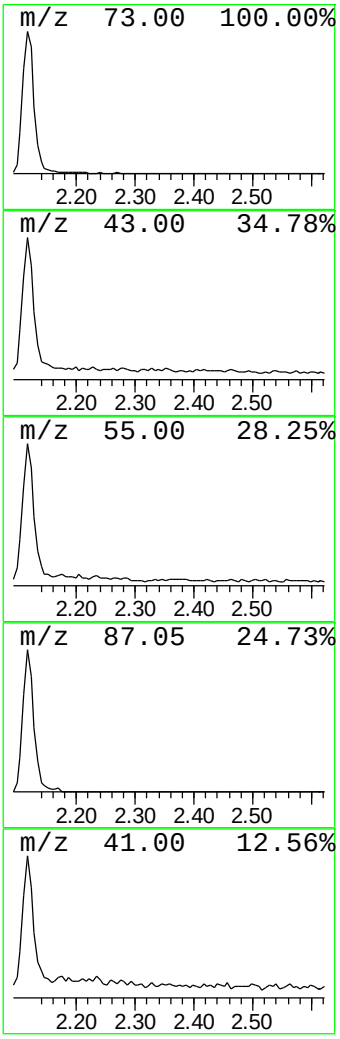
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 2.12 | 4.48 ng | 182352 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | 2,2,4-Trimethyl-3-pentanol | 130 | C8H18O | 005162-48-1 | 39 |
| 3 | 3-Pentanol, 2,4-dimethyl- | 116 | C7H16O | 000600-36-2 | 37 |
| 4 | Silane, ethyltrimethyl- | 102 | C5H14Si | 003439-38-1 | 33 |
| 5 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 16 |



Library Search Compound Report

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Data File : BF103439.D
Acq On : 6 Mar 2018 4:50
Operator : SJ/JU
Sample : J1761-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TR-04-0302018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

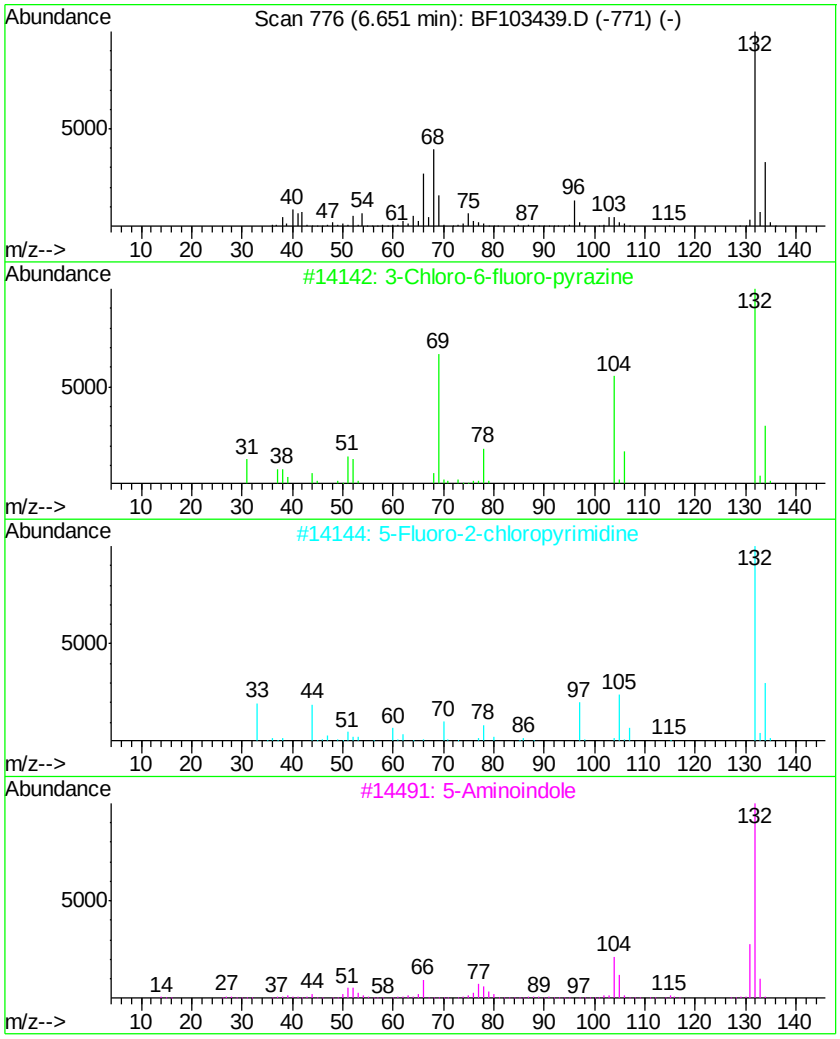
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

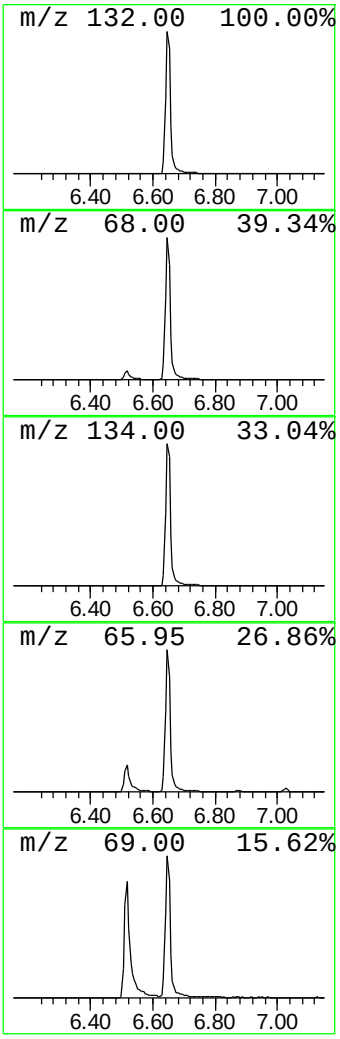
**********

Peak Number 2 unknown6.65 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.65 | 66.80 ng | 2718500 | 1,4-Dichlorobenzene-d4 | 6.87 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 16 |
| 3 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 4 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 5 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103439.D
Acq On : 6 Mar 2018 4:50
Operator : SJ/JU
Sample : J1761-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TR-04-0302018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

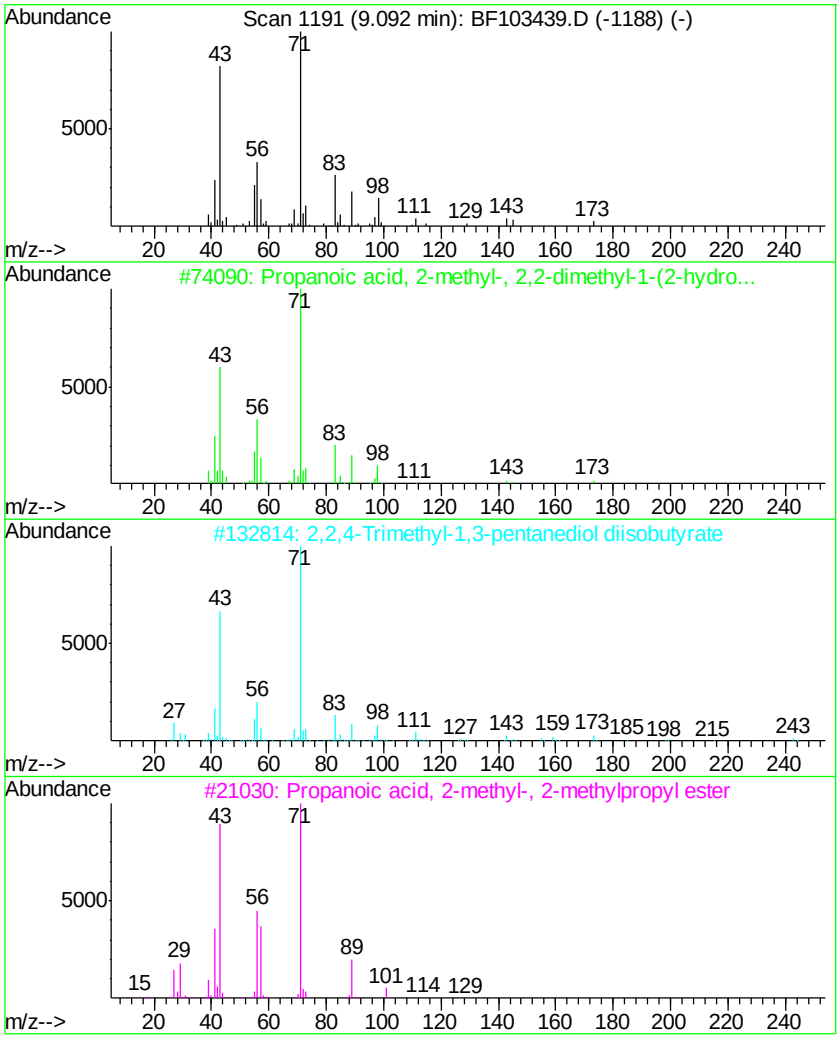
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

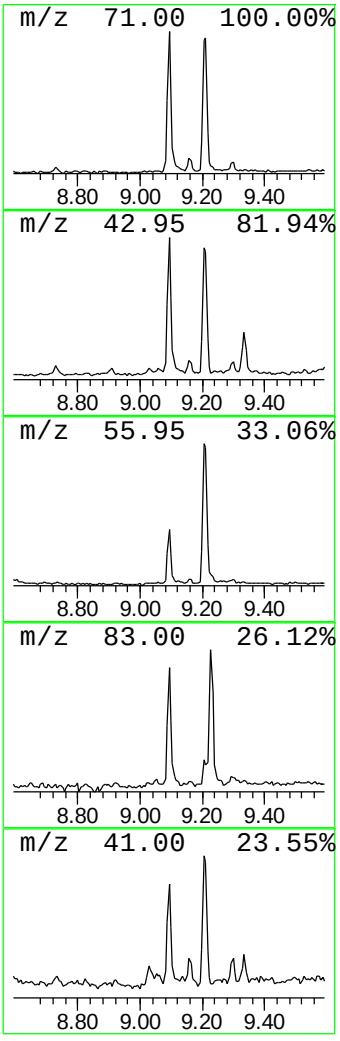
**********

Peak Number 4 Propanoic acid, 2-methyl-, ... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.09 | 2.88 ng | 142682 | Acenaphthene-d10 | 9.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanoic acid, 2-methyl-, 2,2-d... | 216 | C12H24O3 | 074367-33-2 | 90 |
| 2 | 2,2,4-Trimethyl-1,3-pentanediol ... | 286 | C16H30O4 | 006846-50-0 | 64 |
| 3 | Propanoic acid, 2-methyl-, 2-met... | 144 | C8H16O2 | 000097-85-8 | 50 |
| 4 | 1-Hexadecen-3-ol, 3,5,11,15-tetr... | 296 | C20H40O | 1000262-55-5 | 43 |
| 5 | Isophytol | 296 | C20H40O | 000505-32-8 | 43 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
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Acq On : 6 Mar 2018 4:50
Operator : SJ/JU
Sample : J1761-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TR-04-0302018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

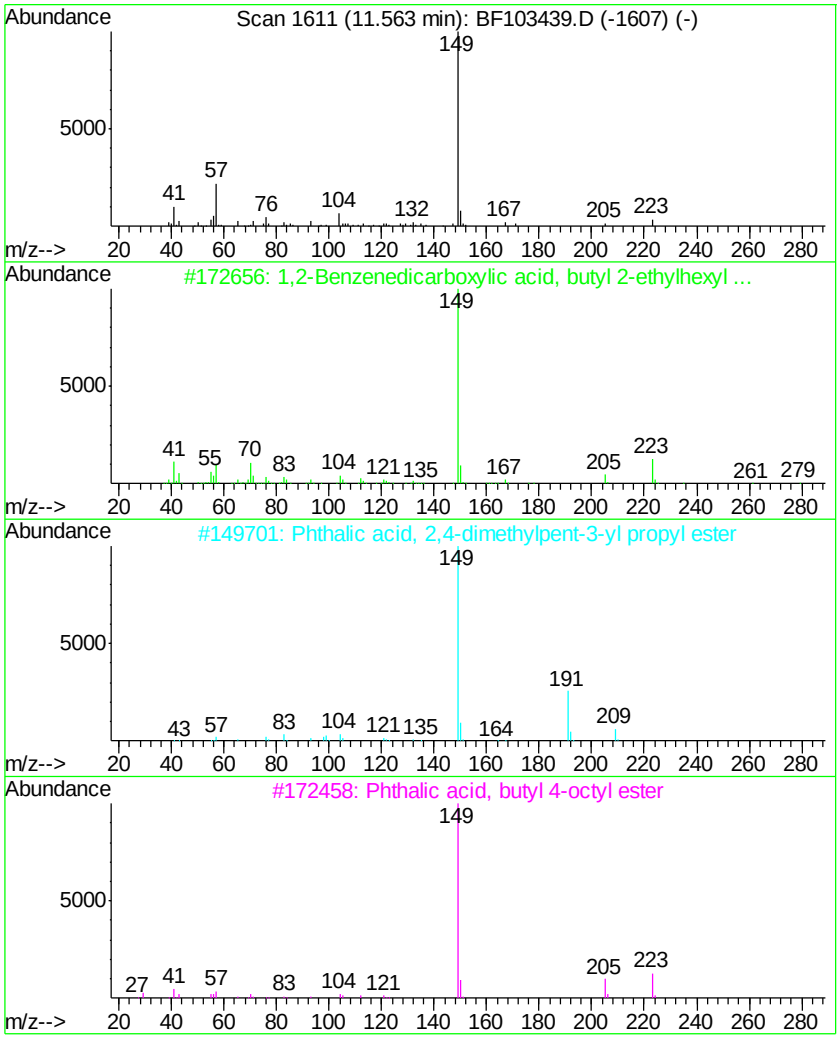
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

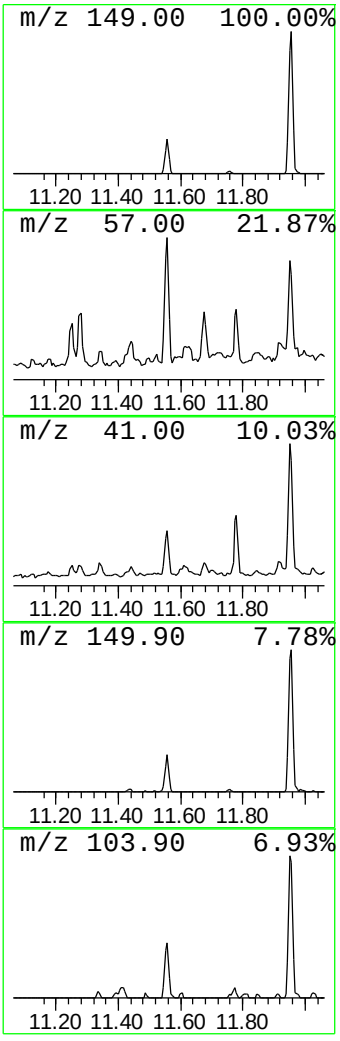
**********

Peak Number 5 1,2-Benzenedicarboxylic aci... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.56 | 3.98 ng | 161975 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2-Benzenedicarboxylic acid, bu... | 334 | C20H30O4 | 000085-69-8 | 83 |
| 2 | Phthalic acid, 2,4-dimethylpent-... | 306 | C18H26O4 | 1000356-84-2 | 78 |
| 3 | Phthalic acid, butyl 4-octyl ester | 334 | C20H30O4 | 1000314-83-8 | 78 |
| 4 | 1,2-Benzenedicarboxylic acid, bi... | 278 | C16H22O4 | 000084-69-5 | 78 |
| 5 | Phthalic acid, isobutyl propyl e... | 264 | C15H20O4 | 1000308-97-1 | 78 |



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Sample : J1761-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TR-04-0302018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

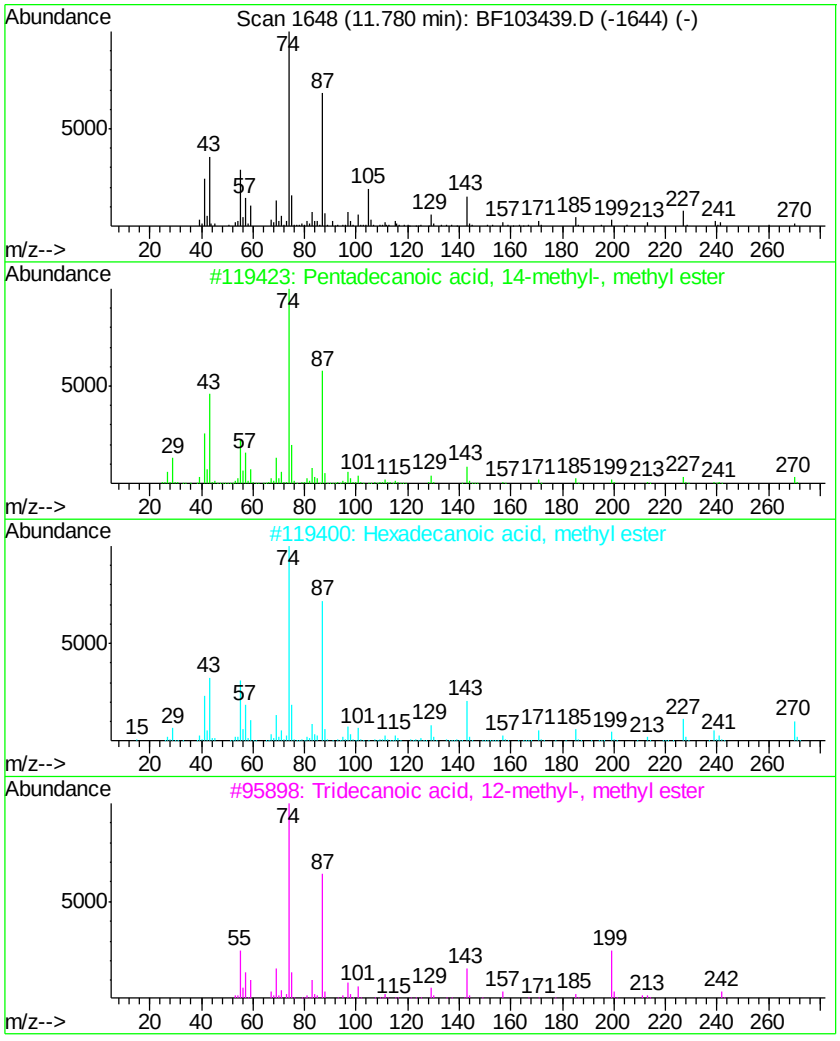
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

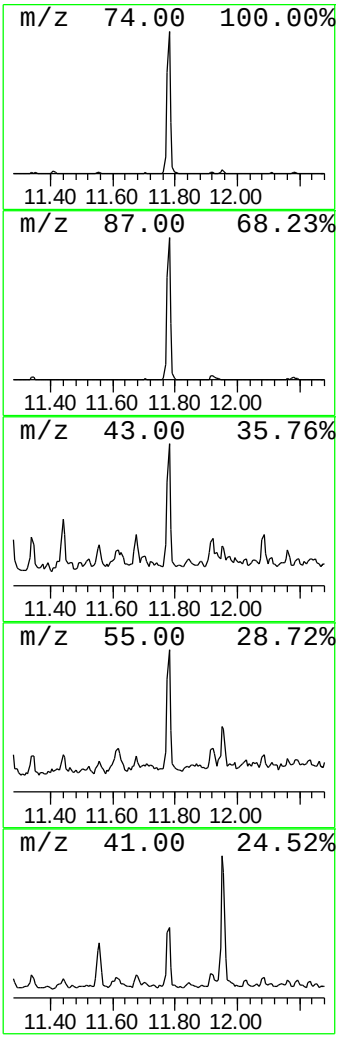
**********

Peak Number 6 Pentadecanoic acid, 14-meth... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.78 | 5.85 ng | 238303 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 83 |
| 2 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 83 |
| 3 | Tridecanoic acid, 12-methyl-, me... | 242 | C15H30O2 | 005129-58-8 | 83 |
| 4 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 80 |
| 5 | Tridecanoic acid, methyl ester | 228 | C14H28O2 | 001731-88-0 | 80 |



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Data File : BF103439.D
Acq On : 6 Mar 2018 4:50
Operator : SJ/JU
Sample : J1761-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TR-04-0302018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

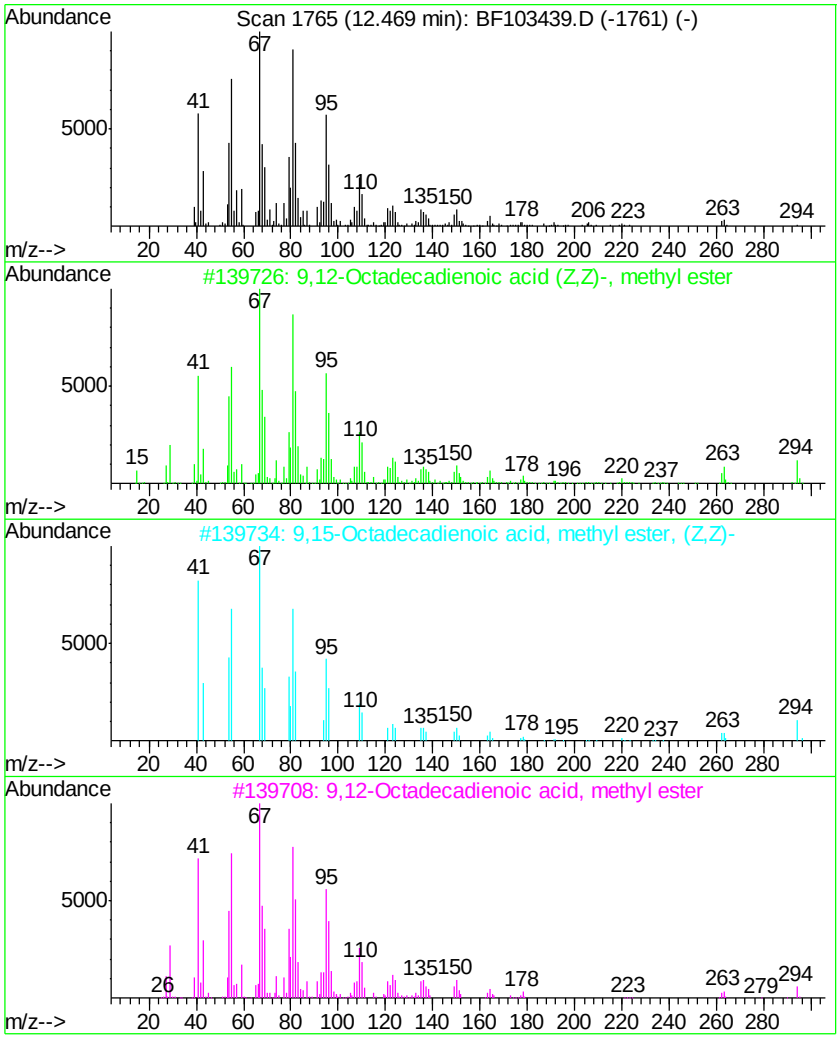
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

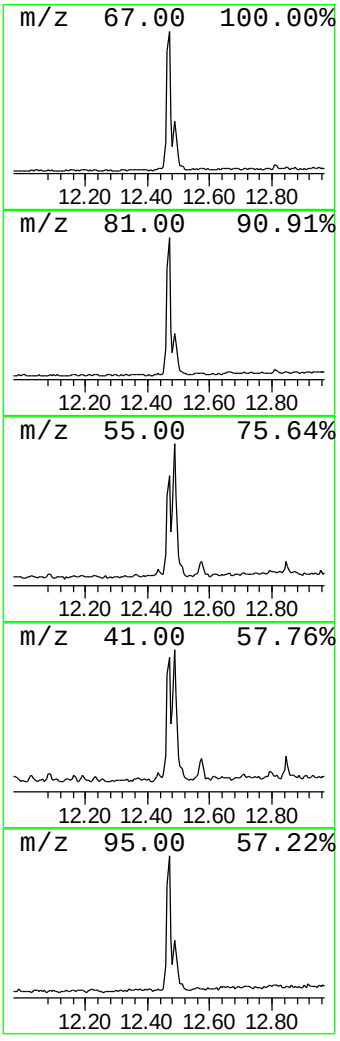
**********

Peak Number 7 9,12-Octadecadienoic acid (... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.47 | 13.32 ng | 542634 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,12-Octadecadienoic acid (Z,Z)-... | 294 | C19H34O2 | 000112-63-0 | 99 |
| 2 | 9,15-Octadecadienoic acid, methy... | 294 | C19H34O2 | 017309-05-6 | 99 |
| 3 | 9,12-Octadecadienoic acid, methy... | 294 | C19H34O2 | 002462-85-3 | 99 |
| 4 | 9,12-Octadecadienoic acid (Z,Z)- | 280 | C18H32O2 | 000060-33-3 | 95 |
| 5 | 2-Chloroethyl linoleate | 342 | C20H35ClO2 | 025525-76-2 | 94 |



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Operator : SJ/JU
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**Instrument :** BNA_F
**ClientSampleId :** TR-04-0302018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

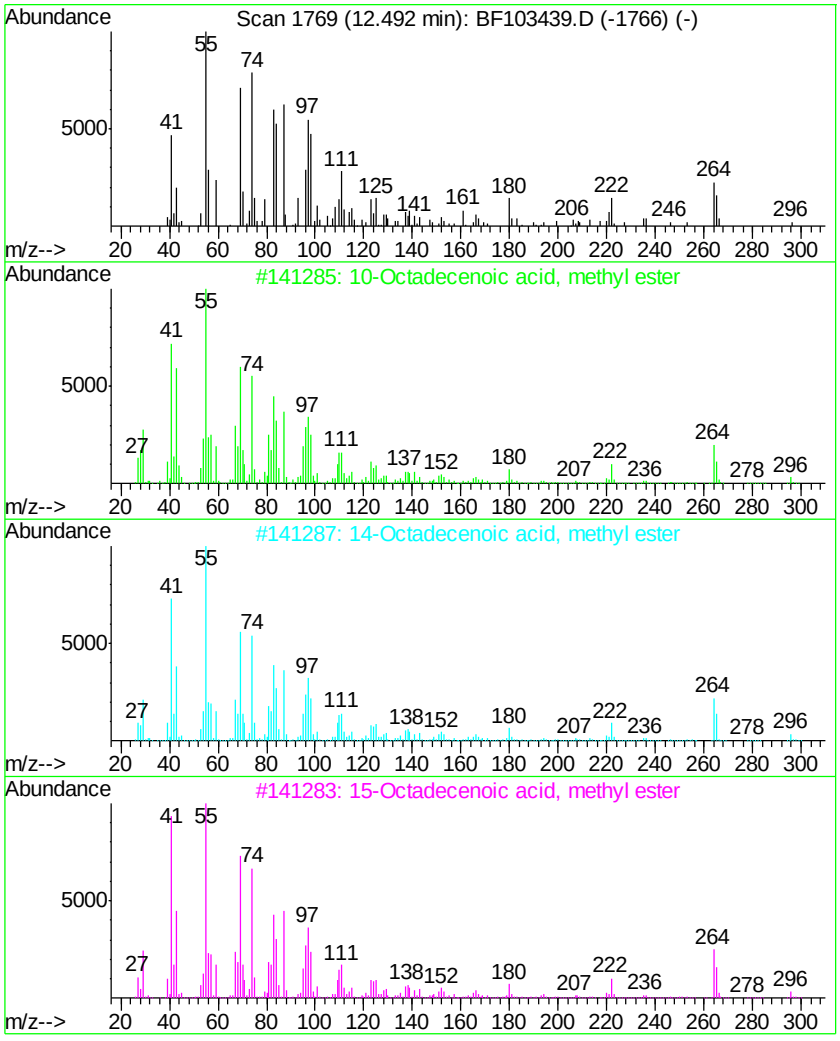
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

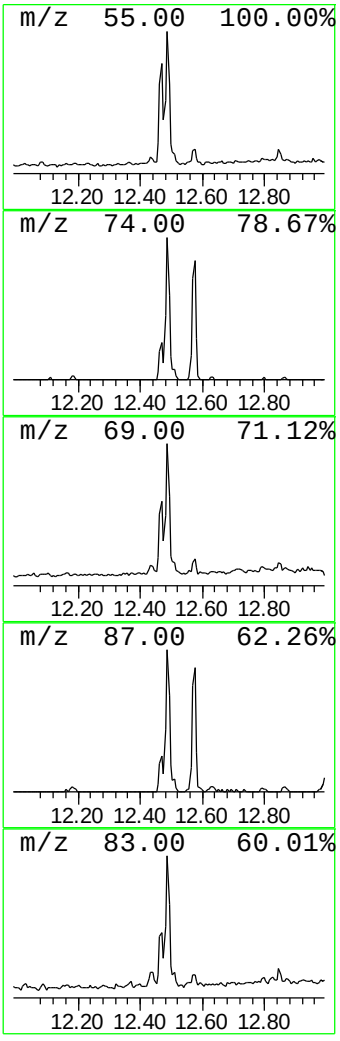
**********

Peak Number 8 10-Octadecenoic acid, methy... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.49 | 14.09 ng | 573926 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 10-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 013481-95-3 | 91 |
| 2 | 14-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-48-4 | 91 |
| 3 | 15-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 004764-72-1 | 91 |
| 4 | 9-Octadecenoic acid (Z)-, methyl... | 296 | C19H36O2 | 000112-62-9 | 87 |
| 5 | 16-Octadecenoic acid, methyl ester | 296 | C19H36O2 | 056554-49-5 | 86 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103439.D
Acq On : 6 Mar 2018 4:50
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Sample : J1761-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TR-04-0302018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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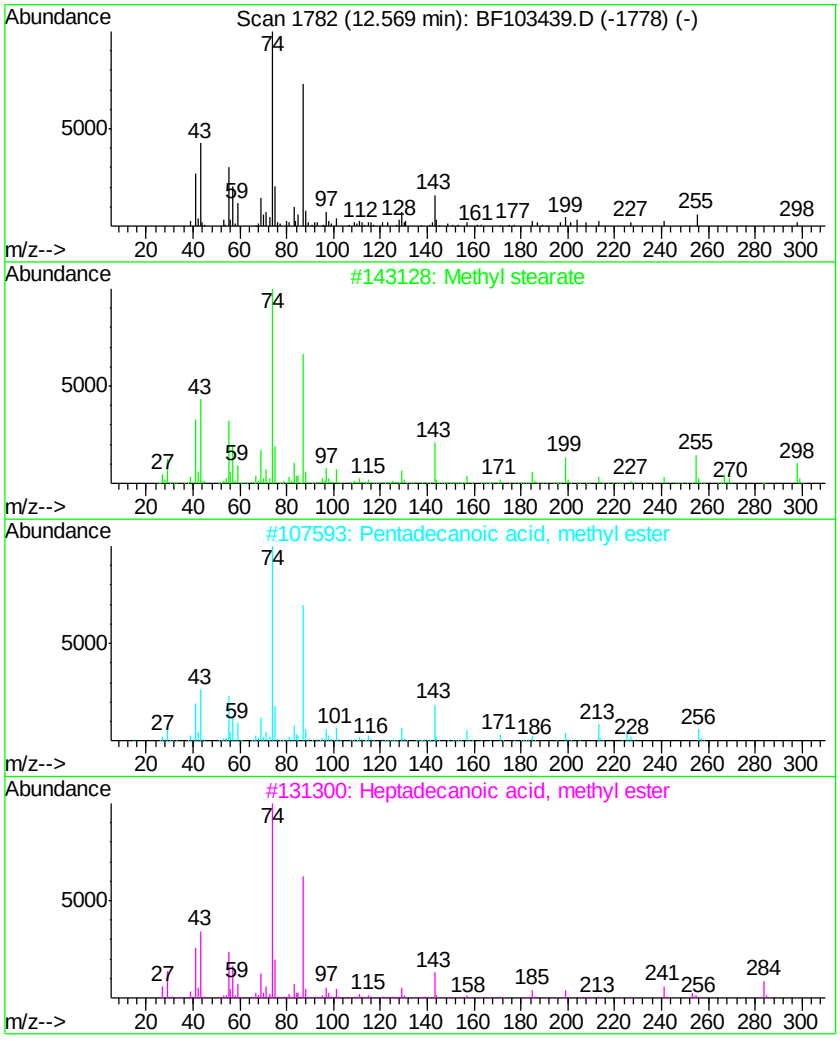
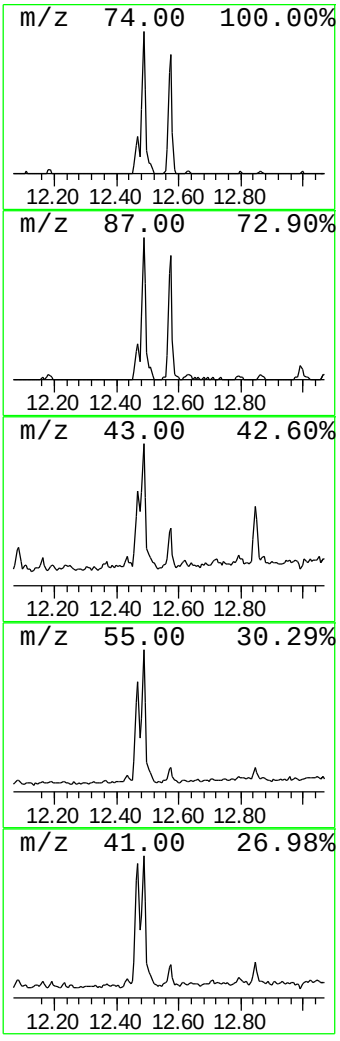
Peak Number 9 Methyl stearate Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.57 | 2.81 ng | 114452 | Phenanthrene-d10 | 11.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methyl stearate | 298 | C19H38O2 | 000112-61-8 | 94 |
| 2 | Pentadecanoic acid, methyl ester | 256 | C16H32O2 | 007132-64-1 | 91 |
| 3 | Heptadecanoic acid, methyl ester | 284 | C18H36O2 | 001731-92-6 | 91 |
| 4 | Hexadecanoic acid, methyl ester | 270 | C17H34O2 | 000112-39-0 | 90 |
| 5 | Pentadecanoic acid, 14-methyl-, ... | 270 | C17H34O2 | 005129-60-2 | 90 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103439.D
Acq On : 6 Mar 2018 4:50
Operator : SJ/JU
Sample : J1761-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TR-04-0302018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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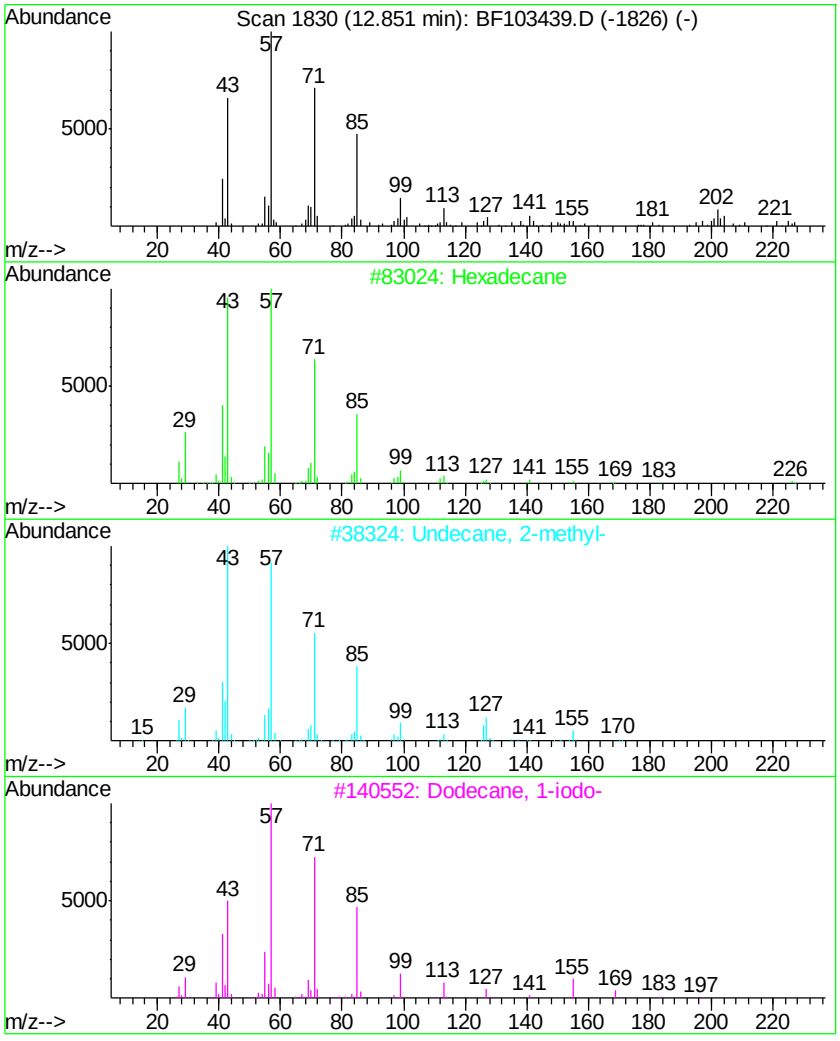
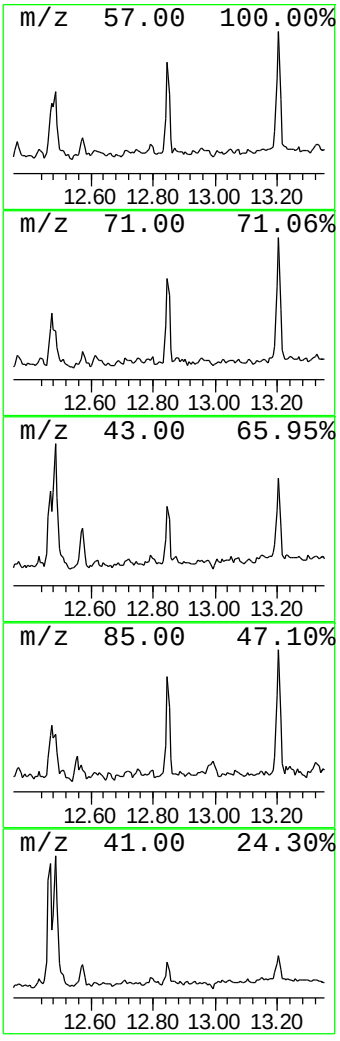
Peak Number 10 Hexadecane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.85 | 3.24 ng | 91965 | Chrysene-d12 | 14.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 87 |
| 2 | Undecane, 2-methyl- | 170 | C12H26 | 007045-71-8 | 80 |
| 3 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 80 |
| 4 | Dodecane, 2-methyl- | 184 | C13H28 | 001560-97-0 | 80 |
| 5 | Heptadecane | 240 | C17H36 | 000629-78-7 | 80 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103439.D
Acq On : 6 Mar 2018 4:50
Operator : SJ/JU
Sample : J1761-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TR-04-0302018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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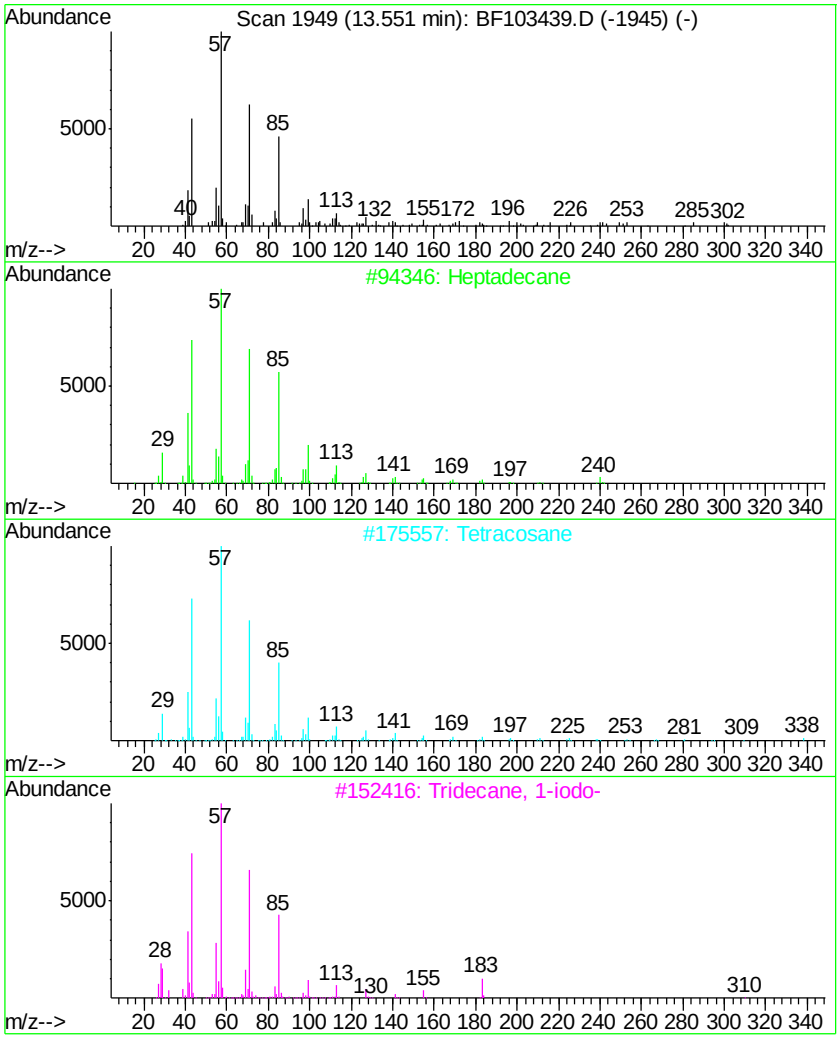
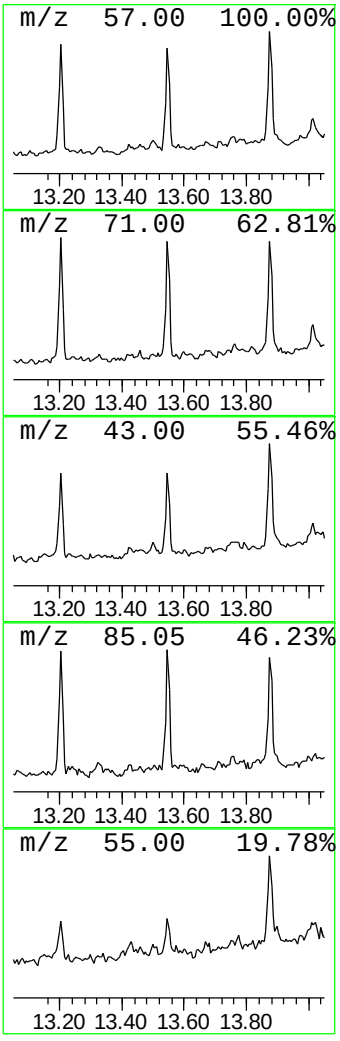
Peak Number 12 Heptadecane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.55 | 3.82 ng | 108292 | Chrysene-d12 | 14.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 95 |
| 2 | Tetracosane | 338 | C24H50 | 000646-31-1 | 83 |
| 3 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 83 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 83 |
| 5 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 80 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103439.D
Acq On : 6 Mar 2018 4:50
Operator : SJ/JU
Sample : J1761-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TR-04-0302018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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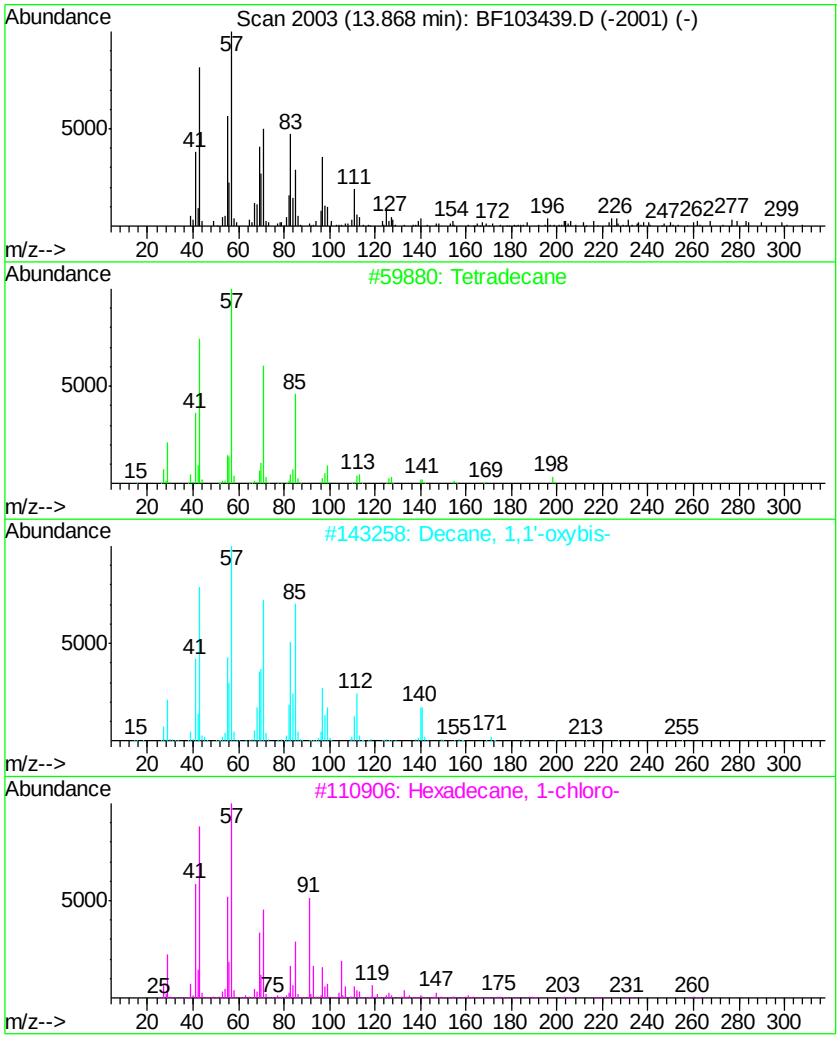
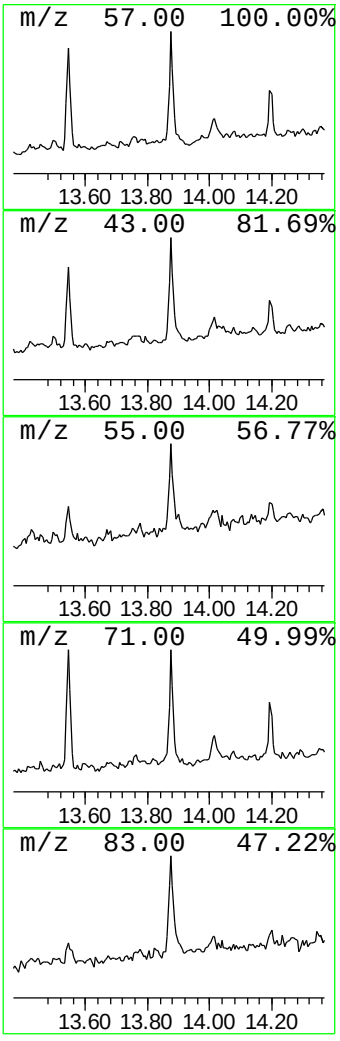
Peak Number 13 Tetradecane Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.87 | 7.81 ng | 221641 | Chrysene-d12 | 14.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 2 | Decane, 1,1'-oxybis- | 298 | C20H42O | 002456-28-2 | 83 |
| 3 | Hexadecane, 1-chloro- | 260 | C16H33Cl | 004860-03-1 | 72 |
| 4 | Oxalic acid, isobutyl tetradecyl... | 342 | C20H38O4 | 1000309-37-9 | 68 |
| 5 | Oxalic acid, isobutyl pentadecyl... | 356 | C21H40O4 | 1000309-38-0 | 68 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
Data File : BF103439.D
Acq On : 6 Mar 2018 4:50
Operator : SJ/JU
Sample : J1761-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TR-04-0302018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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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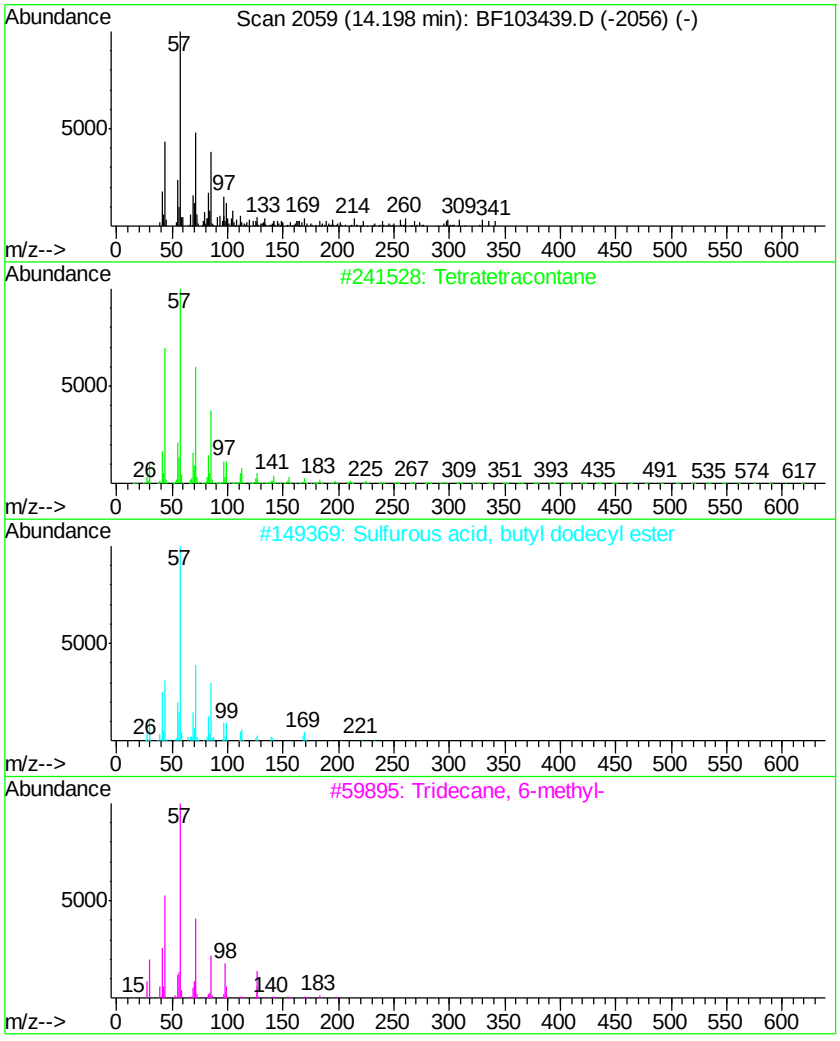
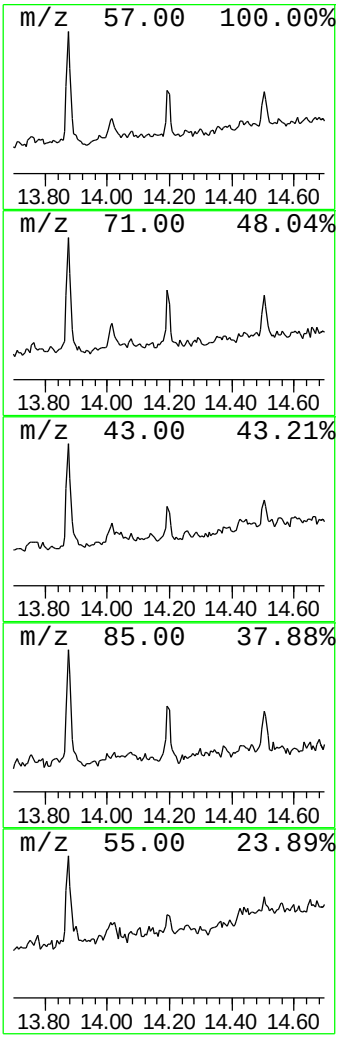
Peak Number 14 Tetratetracontane Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.20 | 2.31 ng | 65656 | Chrysene-d12 | 14.07 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 74 |
| 2 | Sulfurous acid, butyl dodecyl ester | 306 | C16H34O3S | 1000309-17-9 | 64 |
| 3 | Tridecane, 6-methyl- | 198 | C14H30 | 013287-21-3 | 64 |
| 4 | Heptacosane, 1-chloro- | 414 | C27H55Cl | 062016-79-9 | 64 |
| 5 | Ethanol, 2-(dodecyloxy)- | 230 | C14H30O2 | 004536-30-5 | 64 |



Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF030518\
Data File : BF103439.D
Acq On : 6 Mar 2018 4:50
Operator : SJ/JU
Sample : J1761-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TR-04-0302018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.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... | 2.12 | 4.5 | ng | 182352 | 1 | 6.87 | 813920 | 20.0 |
| unknown6.65 | 6.65 | 66.8 | ng | 2718500 | 1 | 6.87 | 813920 | 20.0 |
| Propanoic acid, 2... | 9.09 | 2.9 | ng | 142682 | 3 | 9.92 | 989874 | 20.0 |
| 1,2-Benzenedicarb... | 11.56 | 4.0 | ng | 161975 | 4 | 11.41 | 814887 | 20.0 |
| Pentadecanoic aci... | 11.78 | 5.8 | ng | 238303 | 4 | 11.41 | 814887 | 20.0 |
| 9,12-Octadecadien... | 12.47 | 13.3 | ng | 542634 | 4 | 11.41 | 814887 | 20.0 |
| 10-Octadecenoic a... | 12.49 | 14.1 | ng | 573926 | 4 | 11.41 | 814887 | 20.0 |
| Methyl stearate | 12.57 | 2.8 | ng | 114452 | 4 | 11.41 | 814887 | 20.0 |
| Hexadecane | 12.85 | 3.2 | ng | 91965 | 5 | 14.07 | 567472 | 20.0 |
| Heptadecane | 13.55 | 3.8 | ng | 108292 | 5 | 14.07 | 567472 | 20.0 |
| Tetradecane | 13.87 | 7.8 | ng | 221641 | 5 | 14.07 | 567472 | 20.0 |
| Tetratetracontane | 14.20 | 2.3 | ng | 65656 | 5 | 14.07 | 567472 | 20.0 |