LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
Data File : BF106700.D
Acq On : 22 Jun 2018 11:18
Operator : JU/SJ
Sample : J3603-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26KV-TP-10

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-BF061918.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 | 5.201 | 483 | 487 | 501 | rBB | 122237 | 161151 | 9.46% | 0.990% |
| 2 | 5.607 | 552 | 556 | 559 | rBV | 1418368 | 1391295 | 81.66% | 8.543% |
| 3 | 6.607 | 721 | 726 | 729 | rBV | 1377249 | 1500890 | 88.10% | 9.216% |
| 4 | 6.736 | 744 | 748 | 752 | rBV | 1453627 | 1510226 | 88.64% | 9.273% |
| 5 | 6.778 | 752 | 755 | 759 | rVB | 27725 | 23537 | 1.38% | 0.145% |
| 6 | 6.960 | 782 | 786 | 789 | rBV | 510803 | 407605 | 23.92% | 2.503% |
| 7 | 7.119 | 808 | 813 | 816 | rVB | 1364186 | 1236410 | 72.57% | 7.592% |
| 8 | 7.525 | 877 | 882 | 885 | rBV | 1032117 | 1104200 | 64.81% | 6.780% |
| 9 | 7.601 | 889 | 895 | 898 | rBV2 | 14353 | 17696 | 1.04% | 0.109% |
| 10 | 8.242 | 1000 | 1004 | 1007 | rBV | 623965 | 524929 | 30.81% | 3.223% |
| 11 | 8.642 | 1069 | 1072 | 1075 | rBV | 22091 | 20514 | 1.20% | 0.126% |
| 12 | 9.319 | 1180 | 1187 | 1190 | rBV | 1761881 | 1703679 | 100.00% | 10.461% |
| 13 | 9.383 | 1195 | 1198 | 1201 | rBV2 | 21115 | 19566 | 1.15% | 0.120% |
| 14 | 9.707 | 1249 | 1253 | 1260 | rVB | 271791 | 229785 | 13.49% | 1.411% |
| 15 | 9.913 | 1284 | 1288 | 1292 | rBV | 36854 | 32649 | 1.92% | 0.200% |
| 16 | 10.001 | 1299 | 1303 | 1307 | rVB2 | 694013 | 604275 | 35.47% | 3.710% |
| 17 | 10.413 | 1370 | 1373 | 1376 | rVB | 57825 | 49680 | 2.92% | 0.305% |
| 18 | 10.630 | 1405 | 1410 | 1412 | rBV | 20615 | 21175 | 1.24% | 0.130% |
| 19 | 10.795 | 1434 | 1438 | 1442 | rBV | 1197870 | 1179737 | 69.25% | 7.244% |
| 20 | 10.883 | 1450 | 1453 | 1459 | rBV2 | 60177 | 76743 | 4.50% | 0.471% |
| 21 | 11.336 | 1526 | 1530 | 1532 | rBV2 | 45247 | 40925 | 2.40% | 0.251% |
| 22 | 11.495 | 1553 | 1557 | 1559 | rBV | 789520 | 665694 | 39.07% | 4.088% |
| 23 | 11.519 | 1559 | 1561 | 1564 | rVB | 53613 | 43294 | 2.54% | 0.266% |
| 24 | 11.760 | 1600 | 1602 | 1605 | rVB2 | 41292 | 33381 | 1.96% | 0.205% |
| 25 | 11.824 | 1610 | 1613 | 1618 | rVB5 | 12360 | 18832 | 1.11% | 0.116% |
| 26 | 11.995 | 1639 | 1642 | 1644 | rBV | 30126 | 26064 | 1.53% | 0.160% |
| 27 | 12.024 | 1644 | 1647 | 1651 | rVB3 | 44122 | 45838 | 2.69% | 0.281% |
| 28 | 12.101 | 1658 | 1660 | 1663 | rBV2 | 32812 | 27211 | 1.60% | 0.167% |
| 29 | 12.171 | 1668 | 1672 | 1675 | rBV2 | 31602 | 30425 | 1.79% | 0.187% |
| 30 | 12.289 | 1688 | 1692 | 1695 | rBV2 | 26757 | 24862 | 1.46% | 0.153% |
| 31 | 12.542 | 1732 | 1735 | 1740 | rBV2 | 50736 | 68393 | 4.01% | 0.420% |
| 32 | 12.630 | 1747 | 1750 | 1754 | rVB2 | 16849 | 20377 | 1.20% | 0.125% |
| 33 | 12.707 | 1760 | 1763 | 1767 | rVB | 86307 | 76427 | 4.49% | 0.469% |
| 34 | 12.942 | 1797 | 1803 | 1808 | rBV3 | 66713 | 99368 | 5.83% | 0.610% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
Data File : BF106700.D
Acq On : 22 Jun 2018 11:18
Operator : JU/SJ
Sample : J3603-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26KV-TP-10

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.989 | 1808 | 1811 | 1814 | rVB2 | 24735 | 23904 | 1.40% | 0.147% |
| 36 | 13.077 | 1822 | 1826 | 1830 | rBV | 1618352 | 1659536 | 97.41% | 10.190% |
| 37 | 13.154 | 1835 | 1839 | 1846 | rVB3 | 19243 | 34129 | 2.00% | 0.210% |
| 38 | 13.777 | 1943 | 1945 | 1950 | rVB2 | 19715 | 23271 | 1.37% | 0.143% |
| 39 | 13.960 | 1972 | 1976 | 1979 | rBV2 | 69099 | 68821 | 4.04% | 0.423% |
| 40 | 14.077 | 1989 | 1996 | 1998 | rBV4 | 15746 | 25483 | 1.50% | 0.156% |
| 41 | 14.148 | 2003 | 2008 | 2011 | rVV | 629032 | 594224 | 34.88% | 3.649% |
| 42 | 14.171 | 2011 | 2012 | 2015 | rVB | 40925 | 24362 | 1.43% | 0.150% |
| 43 | 14.289 | 2029 | 2032 | 2035 | rBV3 | 13868 | 18757 | 1.10% | 0.115% |
| 44 | 14.548 | 2070 | 2076 | 2079 | rBV | 20348 | 34948 | 2.05% | 0.215% |
| 45 | 14.607 | 2083 | 2086 | 2092 | rVB6 | 16106 | 24522 | 1.44% | 0.151% |
| 46 | 15.236 | 2189 | 2193 | 2196 | rBV | 30092 | 44904 | 2.64% | 0.276% |
| 47 | 15.554 | 2244 | 2247 | 2252 | rVB | 25250 | 32701 | 1.92% | 0.201% |
| 48 | 15.624 | 2255 | 2259 | 2265 | rVB | 28129 | 40074 | 2.35% | 0.246% |
| 49 | 15.695 | 2265 | 2271 | 2280 | rBV | 420459 | 581637 | 34.14% | 3.571% |
| 50 | 16.136 | 2344 | 2346 | 2352 | rVB6 | 10841 | 17911 | 1.05% | 0.110% |

Sum of corrected areas: 16286017

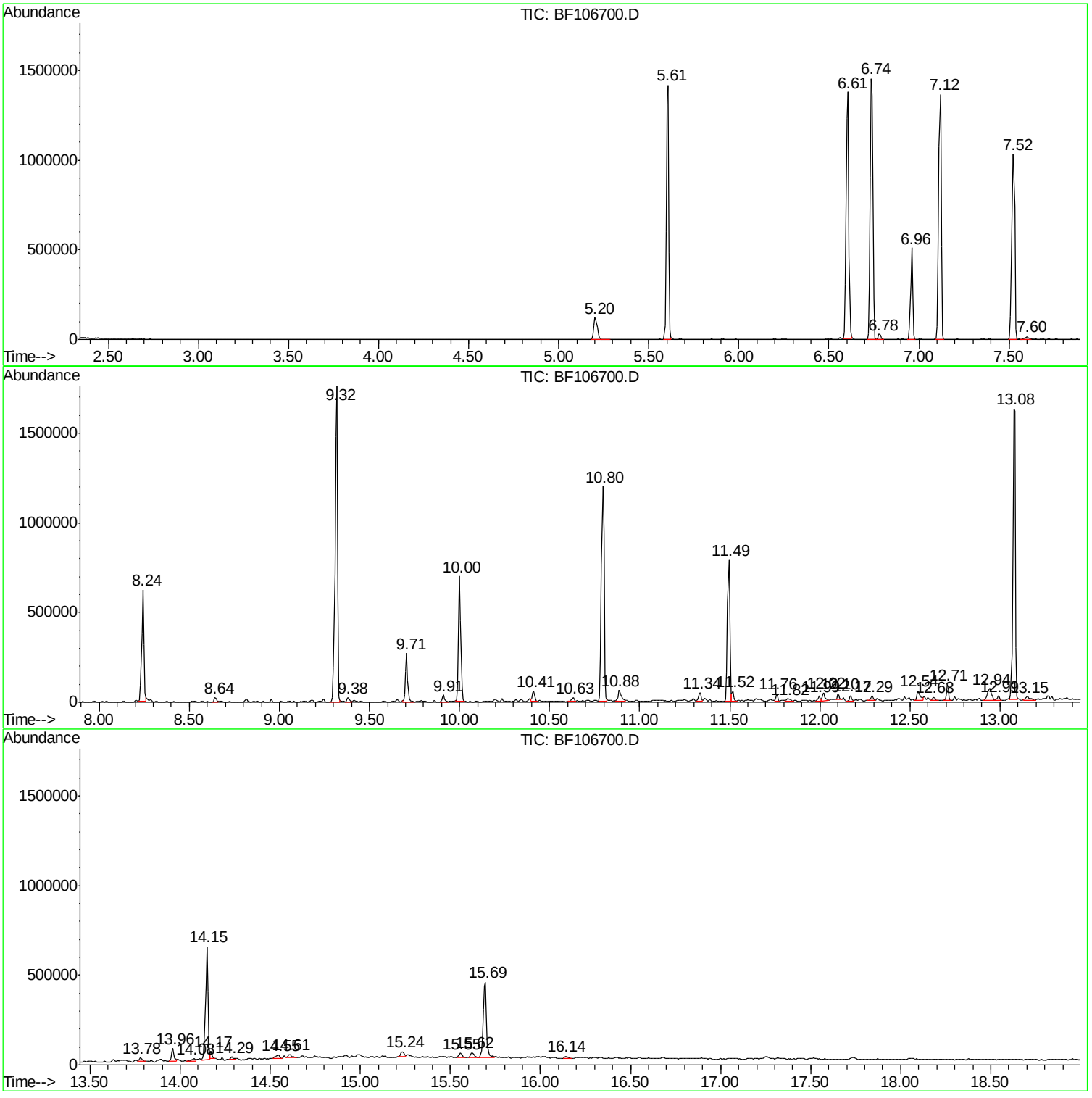
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
Data File : BF106700.D
Acq On : 22 Jun 2018 11:18
Operator : JU/SJ
Sample : J3603-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26KV-TP-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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\BF062218\
Data File : BF106700.D
Acq On : 22 Jun 2018 11:18
Operator : JU/SJ
Sample : J3603-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26KV-TP-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

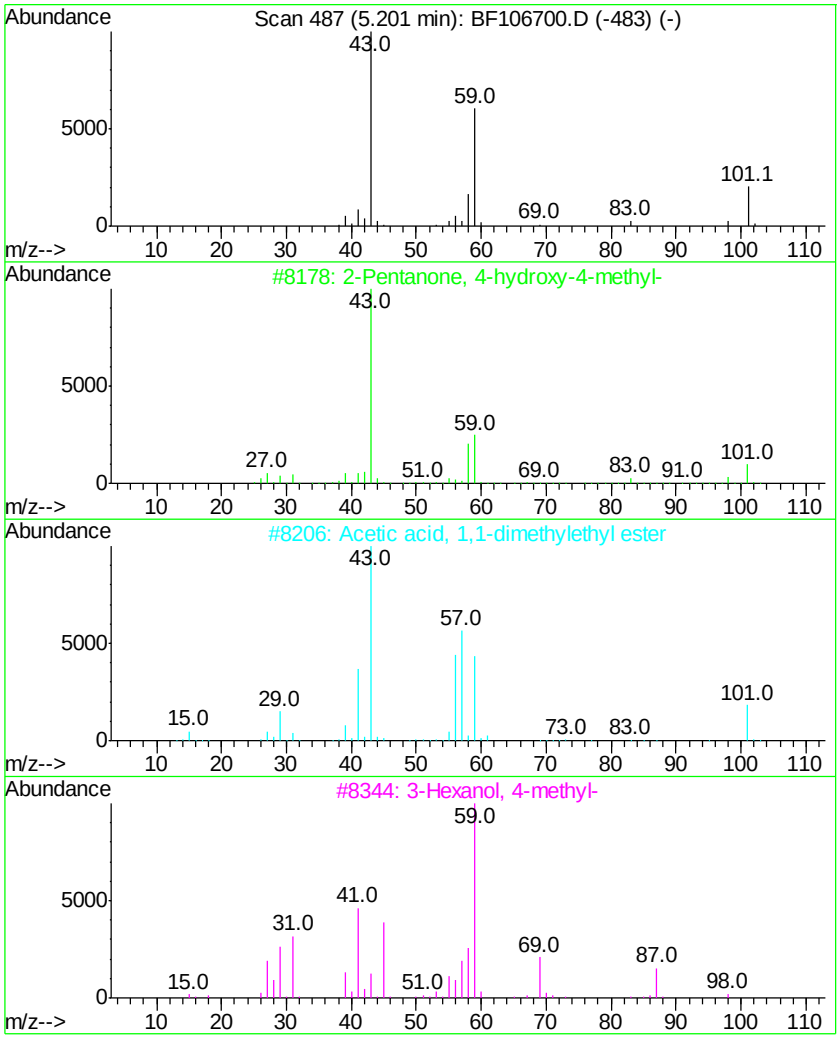
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

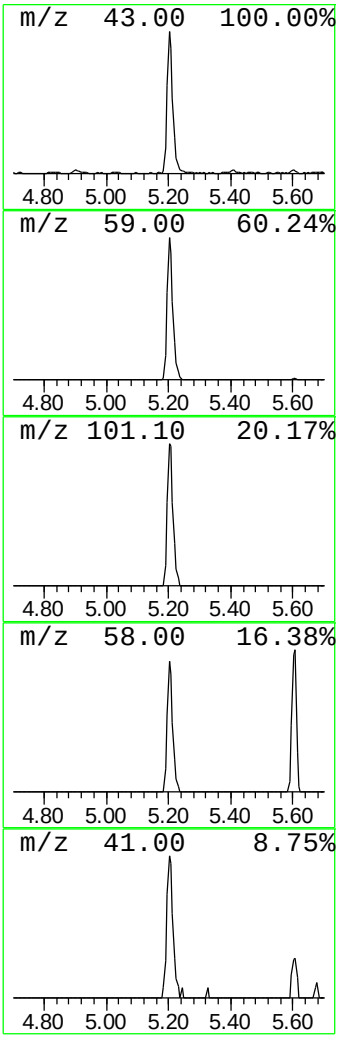
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.20 | 7.91 ng | 161151 | 1,4-Dichlorobenzene-d4 | 6.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 64 |
| 2 | Acetic acid, 1,1-dimethylethyl e... | 116 | C6H12O2 | 000540-88-5 | 39 |
| 3 | 3-Hexanol, 4-methyl- | 116 | C7H16O | 000615-29-2 | 28 |
| 4 | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 17 |
| 5 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
Data File : BF106700.D
Acq On : 22 Jun 2018 11:18
Operator : JU/SJ
Sample : J3603-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26KV-TP-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

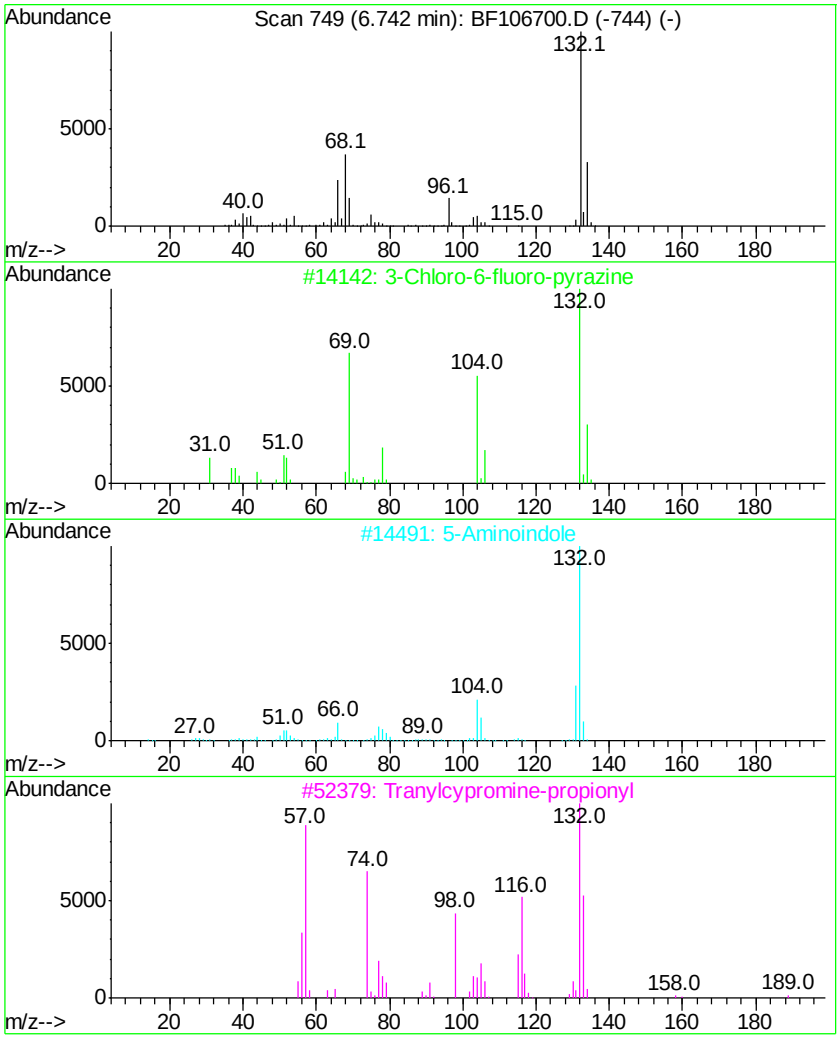
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

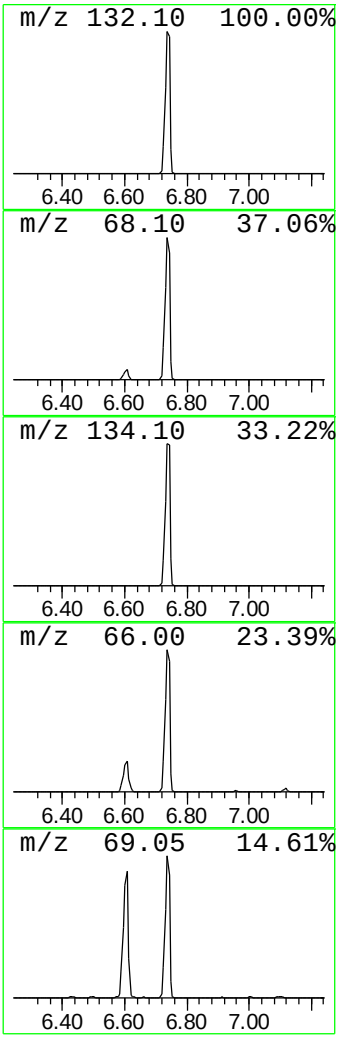
**********

Peak Number 2 unknown6.74 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.74 | 74.10 ng | 1510230 | 1,4-Dichlorobenzene-d4 | 6.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 27 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 3 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 4 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 9 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
Data File : BF106700.D
Acq On : 22 Jun 2018 11:18
Operator : JU/SJ
Sample : J3603-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26KV-TP-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

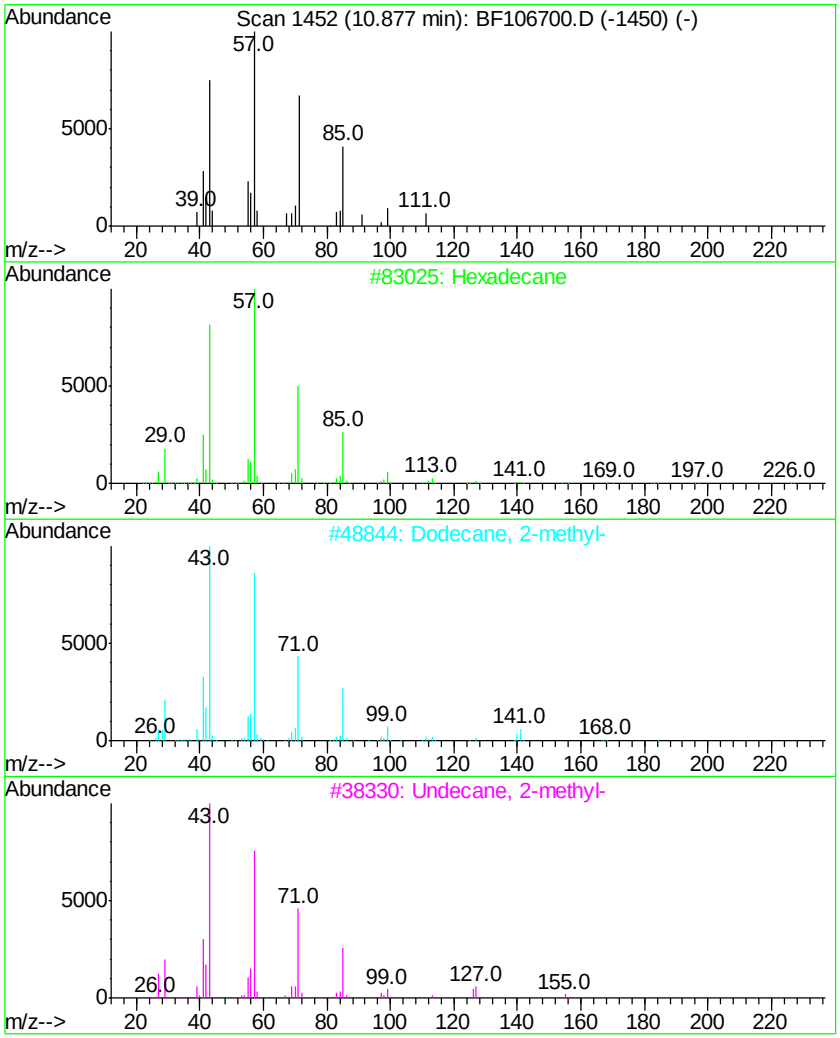
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

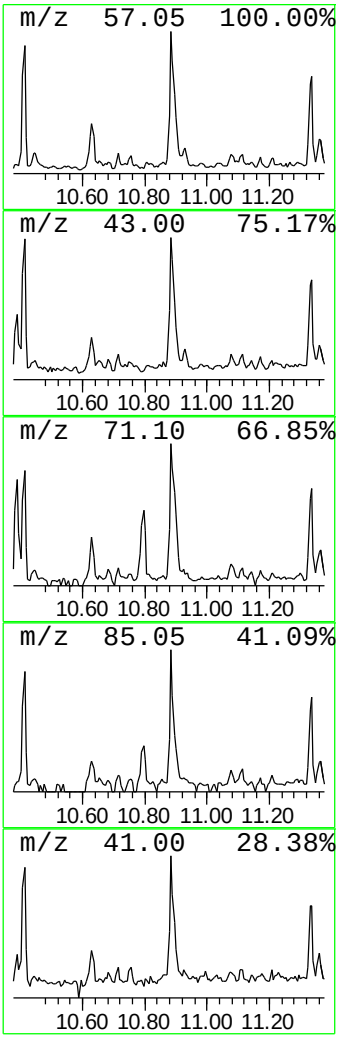
**********

Peak Number 4 Hexadecane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.88 | 2.31 ng | 76743 | Phenanthrene-d10 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 80 |
| 2 | Dodecane, 2-methyl- | 184 | C13H28 | 001560-97-0 | 80 |
| 3 | Undecane, 2-methyl- | 170 | C12H26 | 007045-71-8 | 72 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 72 |
| 5 | Pentadecane, 7-methyl- | 226 | C16H34 | 006165-40-8 | 72 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062218\
Data File : BF106700.D
Acq On : 22 Jun 2018 11:18
Operator : JU/SJ
Sample : J3603-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26KV-TP-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

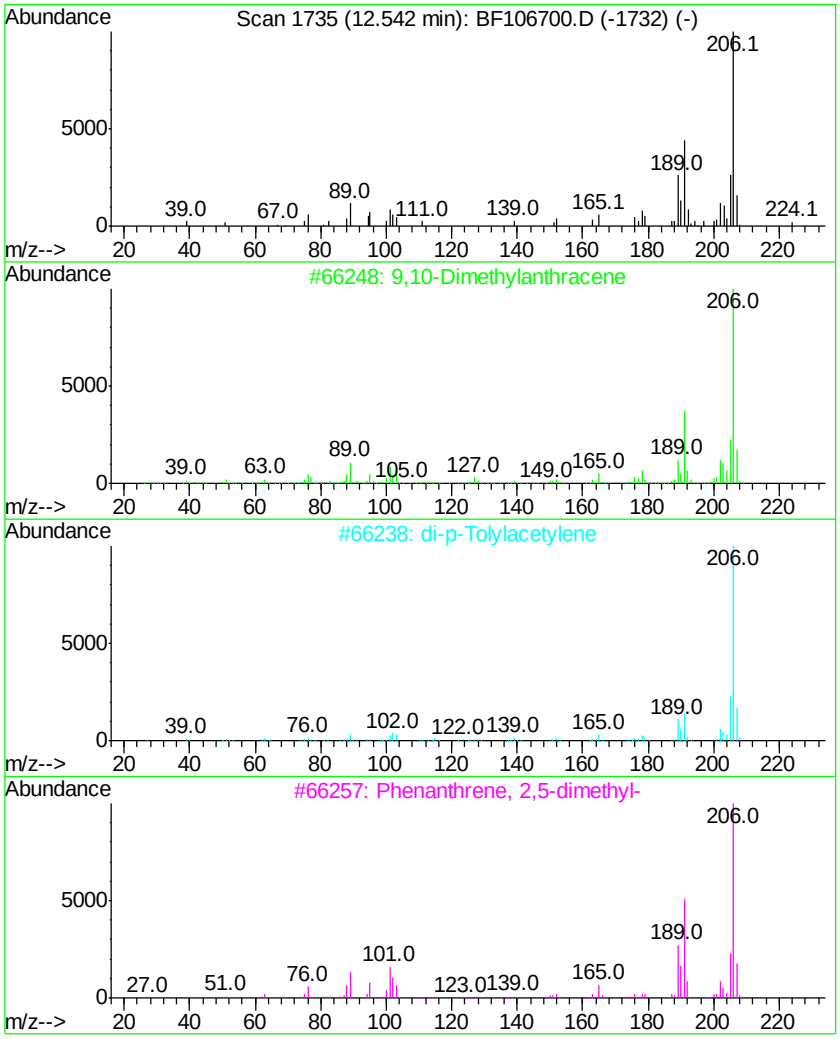
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

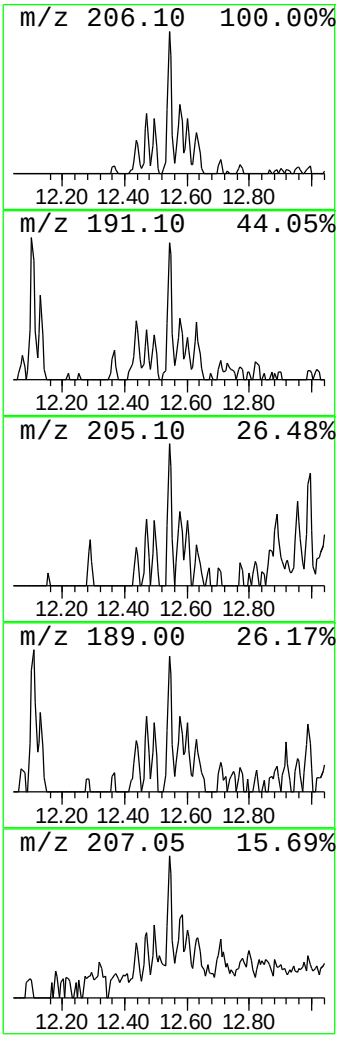
**********

Peak Number 5 9,10-Dimethylanthracene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.54 | 2.05 ng | 68393 | Phenanthrene-d10 | 11.49 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 93 |
| 2 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 93 |
| 3 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 4 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 89 |
| 5 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 87 |



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Data File : BF106700.D
Acq On : 22 Jun 2018 11:18
Operator : JU/SJ
Sample : J3603-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26KV-TP-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

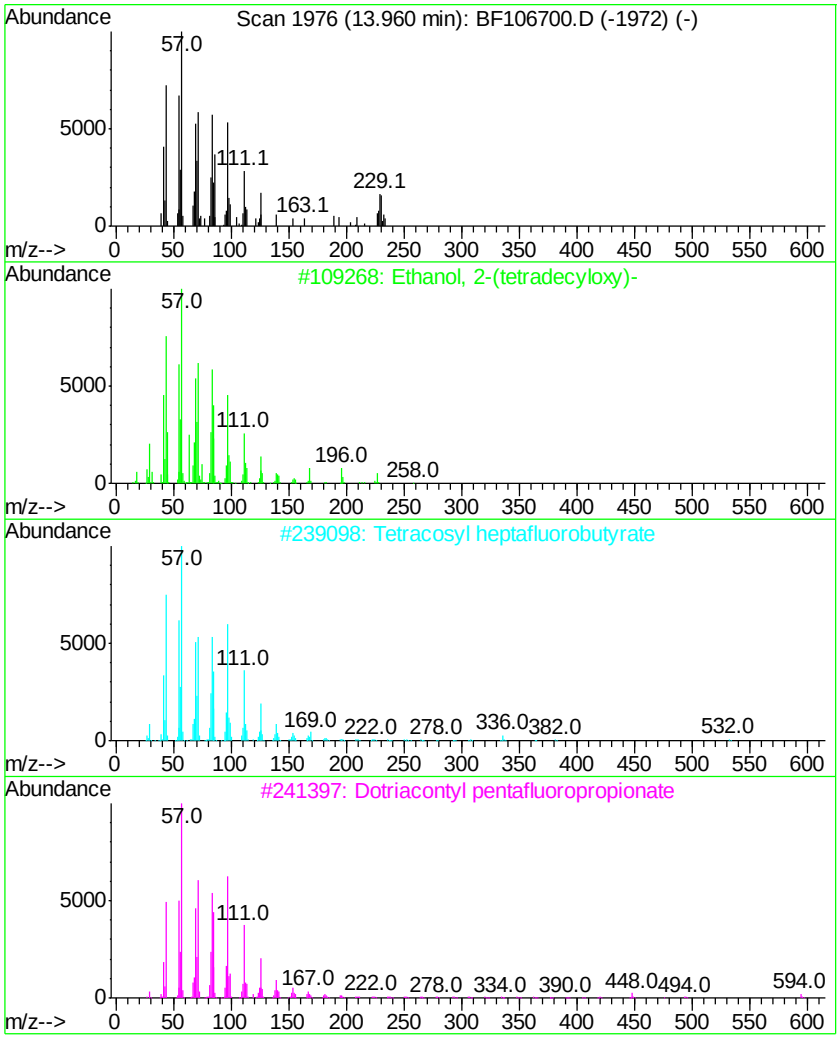
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

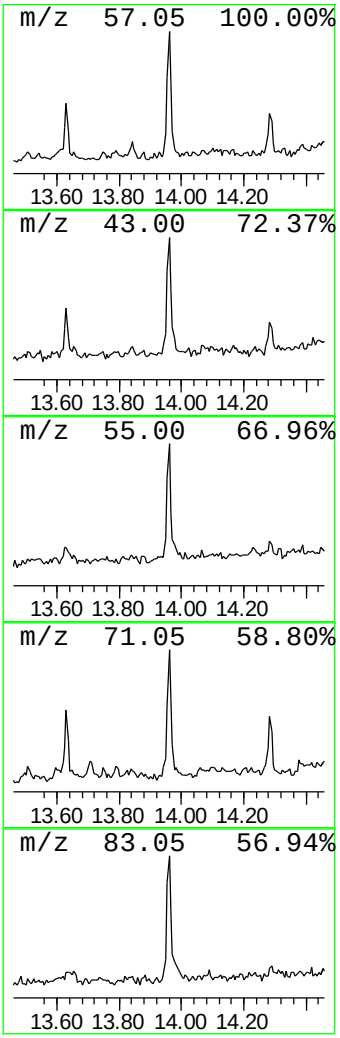
**********

Peak Number 8 Ethanol, 2-(tetradecyloxy)- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.96 | 2.32 ng | 68821 | Chrysene-d12 | 14.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-(tetradecyloxy)- | 258 | C16H34O2 | 002136-70-1 | 87 |
| 2 | Tetracosyl heptafluorobutyrate | 550 | C28H49F7O2 | 1000351-83-7 | 81 |
| 3 | Dotriacontyl pentafluoropropionate | 612 | C35H65F5O2 | 1000351-81-4 | 74 |
| 4 | Dotriacontyl heptafluorobutyrate | 662 | C36H65F7O2 | 1000351-84-2 | 74 |
| 5 | Octatriacontyl pentafluoropropio... | 697 | C41H77F5O2 | 1000351-89-1 | 74 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062218\
Data File : BF106700.D
Acq On : 22 Jun 2018 11:18
Operator : JU/SJ
Sample : J3603-13
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 26KV-TP-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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... | 5.20 | 7.9 | ng | 161151 | 1 | 6.96 | 407605 | 20.0 |
| unknown6.74 | 6.74 | 74.1 | ng | 1510230 | 1 | 6.96 | 407605 | 20.0 |
| Hexadecane | 10.88 | 2.3 | ng | 76743 | 4 | 11.49 | 665694 | 20.0 |
| 9,10-Dimethylanth... | 12.54 | 2.0 | ng | 68393 | 4 | 11.49 | 665694 | 20.0 |
| Ethanol, 2-(tetra... | 13.96 | 2.3 | ng | 68821 | 5 | 14.15 | 594224 | 20.0 |