LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104845.D
Acq On : 26 Apr 2018 18:53
Operator : JU/SJ
Sample : J2156-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HR-05-042518-A

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-BF040618.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 | 5.004 | 490 | 496 | 505 | rVB | 59322 | 79376 | 4.21% | 0.421% |
| 2 | 5.263 | 536 | 540 | 544 | rBV | 48515 | 44282 | 2.35% | 0.235% |
| 3 | 5.375 | 555 | 559 | 560 | rBV | 25446 | 25979 | 1.38% | 0.138% |
| 4 | 5.416 | 562 | 566 | 581 | rVB | 1938901 | 1798640 | 95.50% | 9.541% |
| 5 | 6.440 | 736 | 740 | 753 | rBV | 1784484 | 1866230 | 99.09% | 9.899% |
| 6 | 6.569 | 758 | 762 | 766 | rVV | 2077762 | 1883416 | 100.00% | 9.990% |
| 7 | 6.622 | 768 | 771 | 774 | rVB | 29191 | 26009 | 1.38% | 0.138% |
| 8 | 6.798 | 797 | 801 | 807 | rBV | 748557 | 597206 | 31.71% | 3.168% |
| 9 | 6.951 | 823 | 827 | 831 | rBV | 1515288 | 1400480 | 74.36% | 7.429% |
| 10 | 7.363 | 893 | 897 | 900 | rBV | 1199818 | 1084214 | 57.57% | 5.751% |
| 11 | 8.057 | 1012 | 1015 | 1016 | rBV | 77822 | 59602 | 3.16% | 0.316% |
| 12 | 8.081 | 1016 | 1019 | 1025 | rVV | 836737 | 767882 | 40.77% | 4.073% |
| 13 | 8.134 | 1025 | 1028 | 1031 | rVV2 | 50870 | 57399 | 3.05% | 0.304% |
| 14 | 8.163 | 1031 | 1033 | 1041 | rVB6 | 18845 | 28780 | 1.53% | 0.153% |
| 15 | 8.281 | 1050 | 1053 | 1055 | rVB3 | 22632 | 21766 | 1.16% | 0.115% |
| 16 | 8.369 | 1064 | 1068 | 1072 | rVB5 | 41951 | 46523 | 2.47% | 0.247% |
| 17 | 8.451 | 1080 | 1082 | 1086 | rVB4 | 24212 | 26898 | 1.43% | 0.143% |
| 18 | 8.492 | 1086 | 1089 | 1091 | rBV | 72353 | 55745 | 2.96% | 0.296% |
| 19 | 8.581 | 1102 | 1104 | 1107 | rBV3 | 39120 | 38917 | 2.07% | 0.206% |
| 20 | 8.663 | 1116 | 1118 | 1122 | rBV | 154472 | 125514 | 6.66% | 0.666% |
| 21 | 8.739 | 1127 | 1131 | 1133 | rBV4 | 17612 | 23053 | 1.22% | 0.122% |
| 22 | 8.851 | 1148 | 1150 | 1153 | rBV3 | 14764 | 20095 | 1.07% | 0.107% |
| 23 | 8.898 | 1156 | 1158 | 1161 | rVV | 51126 | 45125 | 2.40% | 0.239% |
| 24 | 8.945 | 1164 | 1166 | 1170 | rVV3 | 30583 | 37193 | 1.97% | 0.197% |
| 25 | 8.981 | 1170 | 1172 | 1176 | rVB4 | 27576 | 39164 | 2.08% | 0.208% |
| 26 | 9.028 | 1176 | 1180 | 1185 | rBV4 | 47610 | 63768 | 3.39% | 0.338% |
| 27 | 9.069 | 1185 | 1187 | 1189 | rVB | 40002 | 24778 | 1.32% | 0.131% |
| 28 | 9.092 | 1189 | 1191 | 1194 | rBV | 109584 | 87927 | 4.67% | 0.466% |
| 29 | 9.157 | 1198 | 1202 | 1206 | rBV | 2051061 | 1639460 | 87.05% | 8.696% |
| 30 | 9.228 | 1211 | 1214 | 1218 | rVV | 175518 | 169508 | 9.00% | 0.899% |
| 31 | 9.269 | 1218 | 1221 | 1223 | rVV3 | 32850 | 34730 | 1.84% | 0.184% |
| 32 | 9.304 | 1225 | 1227 | 1230 | rVB2 | 47273 | 39055 | 2.07% | 0.207% |
| 33 | 9.428 | 1245 | 1248 | 1252 | rVB5 | 23253 | 25915 | 1.38% | 0.137% |
| 34 | 9.469 | 1252 | 1255 | 1256 | rBV2 | 23826 | 24204 | 1.29% | 0.128% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104845.D
Acq On : 26 Apr 2018 18:53
Operator : JU/SJ
Sample : J2156-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HR-05-042518-A

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-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 9.551 | 1265 | 1269 | 1272 | rBV | 278552 | 276011 | 14.65% | 1.464% |
| 36 | 9.610 | 1276 | 1279 | 1282 | rVB4 | 33699 | 27373 | 1.45% | 0.145% |
| 37 | 9.698 | 1291 | 1294 | 1297 | rBV4 | 33443 | 36290 | 1.93% | 0.192% |
| 38 | 9.763 | 1302 | 1305 | 1309 | rVB | 112786 | 103586 | 5.50% | 0.549% |
| 39 | 9.798 | 1309 | 1311 | 1313 | rBV2 | 22340 | 25198 | 1.34% | 0.134% |
| 40 | 9.839 | 1314 | 1318 | 1321 | rVB | 809239 | 681883 | 36.20% | 3.617% |
| 41 | 9.939 | 1332 | 1335 | 1339 | rVB4 | 23267 | 29367 | 1.56% | 0.156% |
| 42 | 9.992 | 1340 | 1344 | 1346 | rBV4 | 28834 | 41332 | 2.19% | 0.219% |
| 43 | 10.045 | 1351 | 1353 | 1356 | rVB3 | 29984 | 30885 | 1.64% | 0.164% |
| 44 | 10.081 | 1356 | 1359 | 1363 | rBV3 | 54254 | 61535 | 3.27% | 0.326% |
| 45 | 10.116 | 1363 | 1365 | 1368 | rVB3 | 24176 | 21821 | 1.16% | 0.116% |
| 46 | 10.151 | 1368 | 1371 | 1375 | rBV4 | 33341 | 52024 | 2.76% | 0.276% |
| 47 | 10.239 | 1383 | 1386 | 1387 | rBV2 | 27993 | 29371 | 1.56% | 0.156% |
| 48 | 10.257 | 1387 | 1389 | 1392 | rVB2 | 104256 | 92134 | 4.89% | 0.489% |
| 49 | 10.316 | 1397 | 1399 | 1405 | rVB5 | 21122 | 29478 | 1.57% | 0.156% |
| 50 | 10.480 | 1423 | 1427 | 1429 | rBV | 87362 | 92336 | 4.90% | 0.490% |
| 51 | 10.533 | 1433 | 1436 | 1438 | rVB4 | 25072 | 22329 | 1.19% | 0.118% |
| 52 | 10.633 | 1449 | 1453 | 1462 | rBV | 998463 | 983117 | 52.20% | 5.215% |
| 53 | 10.745 | 1468 | 1472 | 1480 | rVB | 156871 | 210483 | 11.18% | 1.116% |
| 54 | 10.922 | 1500 | 1502 | 1507 | rBV4 | 22496 | 37662 | 2.00% | 0.200% |
| 55 | 10.957 | 1507 | 1508 | 1512 | rVB4 | 24895 | 22999 | 1.22% | 0.122% |
| 56 | 11.057 | 1522 | 1525 | 1527 | rBV4 | 17994 | 22454 | 1.19% | 0.119% |
| 57 | 11.180 | 1544 | 1546 | 1548 | rBV | 45407 | 36200 | 1.92% | 0.192% |
| 58 | 11.210 | 1548 | 1551 | 1554 | rVV | 84312 | 71361 | 3.79% | 0.379% |
| 59 | 11.327 | 1567 | 1571 | 1574 | rBV | 714822 | 626867 | 33.28% | 3.325% |
| 60 | 11.563 | 1608 | 1611 | 1614 | rVB3 | 29644 | 27132 | 1.44% | 0.144% |
| 61 | 11.610 | 1616 | 1619 | 1622 | rVB | 35461 | 31799 | 1.69% | 0.169% |
| 62 | 11.669 | 1622 | 1629 | 1633 | rBV10 | 19262 | 45575 | 2.42% | 0.242% |
| 63 | 12.404 | 1752 | 1754 | 1758 | rVB5 | 26293 | 35928 | 1.91% | 0.191% |
| 64 | 12.504 | 1769 | 1771 | 1775 | rVB5 | 24468 | 22395 | 1.19% | 0.119% |
| 65 | 12.545 | 1775 | 1778 | 1781 | rBV | 41442 | 42359 | 2.25% | 0.225% |
| 66 | 12.774 | 1815 | 1817 | 1820 | rBV2 | 47492 | 49234 | 2.61% | 0.261% |
| 67 | 12.916 | 1837 | 1841 | 1844 | rBV | 1553450 | 1277442 | 67.83% | 6.776% |
| 68 | 13.804 | 1989 | 1992 | 1998 | rVB | 129900 | 126356 | 6.71% | 0.670% |
| 69 | 13.980 | 2018 | 2022 | 2030 | rBV | 668206 | 693743 | 36.83% | 3.680% |
| 70 | 15.451 | 2268 | 2272 | 2276 | rVB | 437457 | 527754 | 28.02% | 2.799% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104845.D
Acq On : 26 Apr 2018 18:53
Operator : JU/SJ
Sample : J2156-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HR-05-042518-A

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-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 18852646

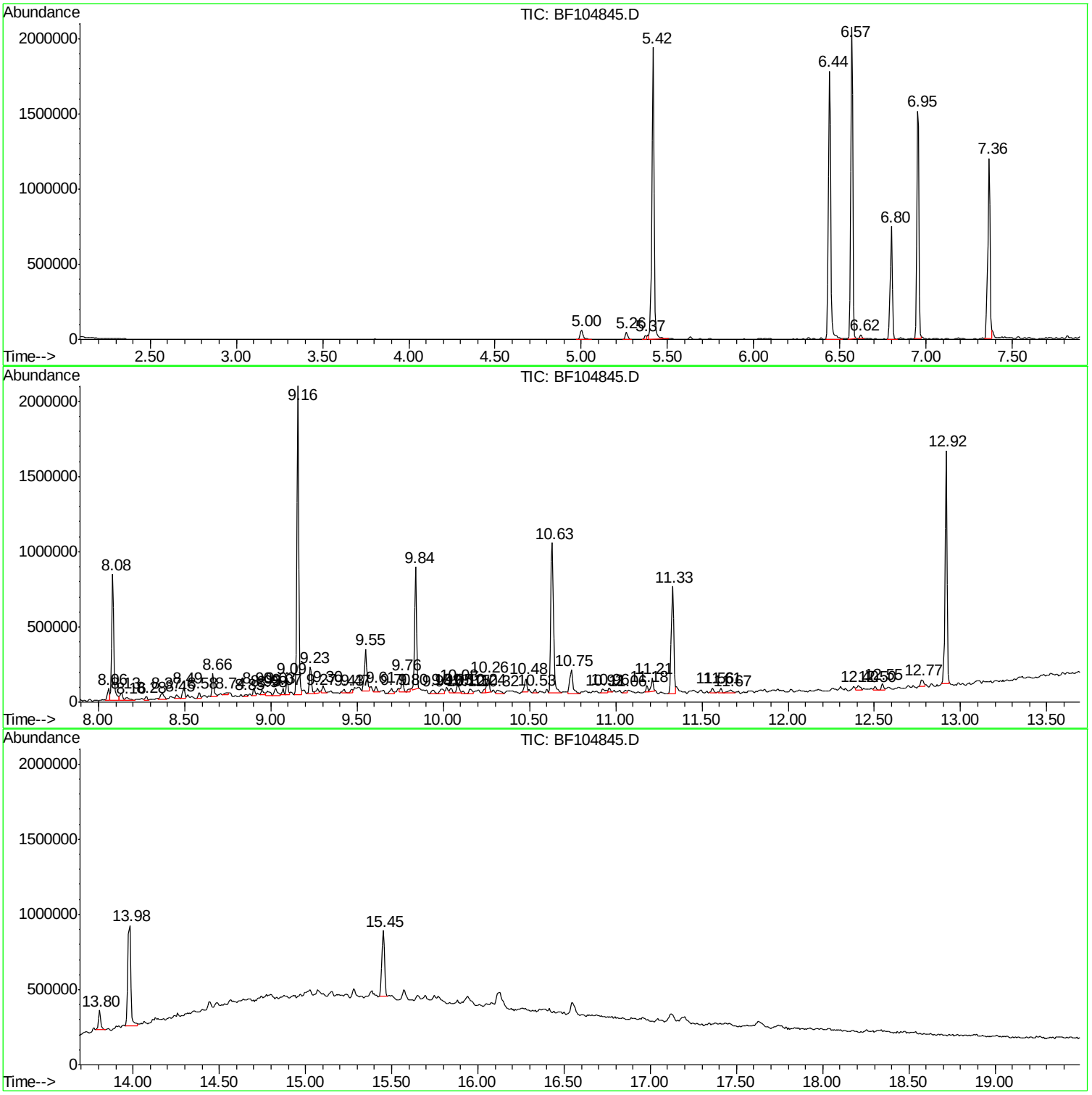
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104845.D
Acq On : 26 Apr 2018 18:53
Operator : JU/SJ
Sample : J2156-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HR-05-042518-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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\BF042618\
Data File : BF104845.D
Acq On : 26 Apr 2018 18:53
Operator : JU/SJ
Sample : J2156-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HR-05-042518-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

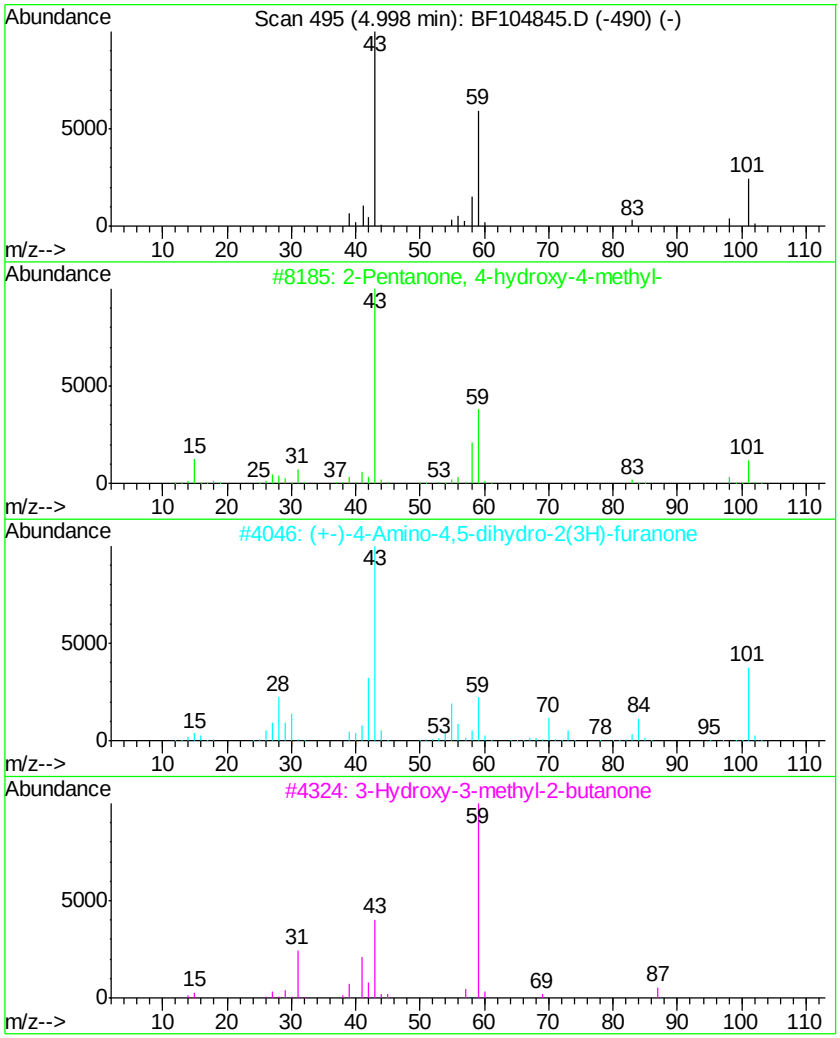
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

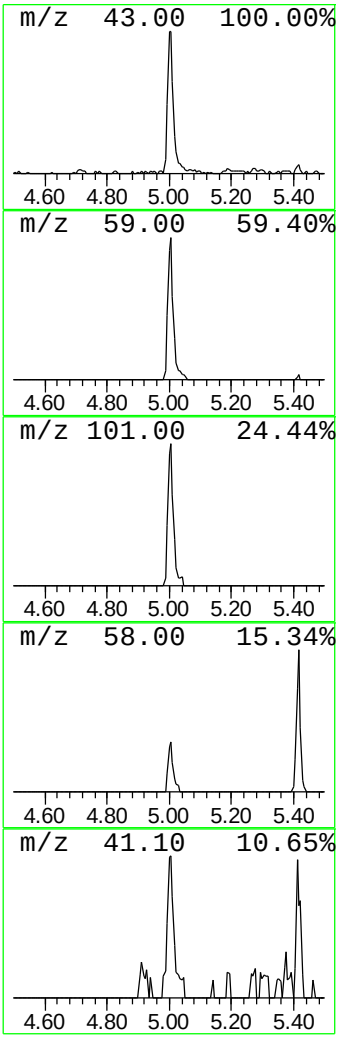
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.00 | 2.66 ng | 79376 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 56 |
| 2 | (+-)-4-Amino-4,5-dihydro-2(3H)-f... | 101 | C4H7NO2 | 016504-58-8 | 25 |
| 3 | 3-Hydroxy-3-methyl-2-butanone | 102 | C5H10O2 | 000115-22-0 | 17 |
| 4 | 2,3-Butanedione, monooxime | 101 | C4H7NO2 | 000057-71-6 | 9 |
| 5 | 5-Hexen-2-one | 98 | C6H10O | 000109-49-9 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104845.D
Acq On : 26 Apr 2018 18:53
Operator : JU/SJ
Sample : J2156-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HR-05-042518-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

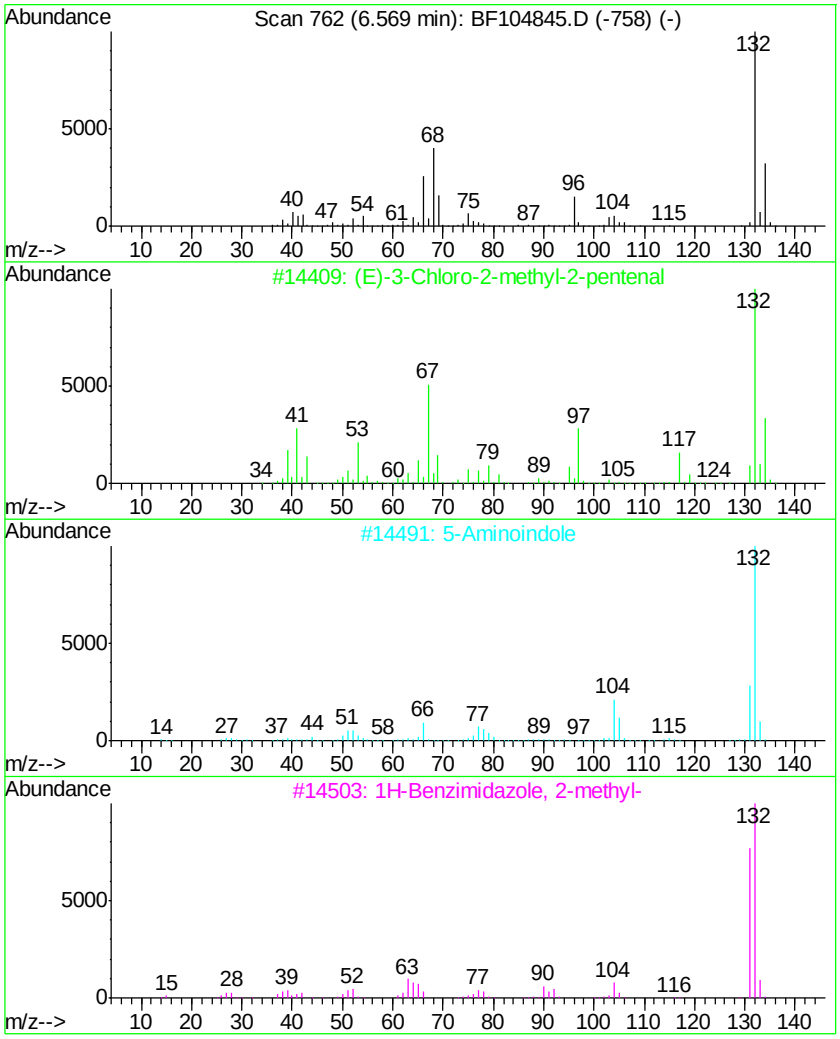
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

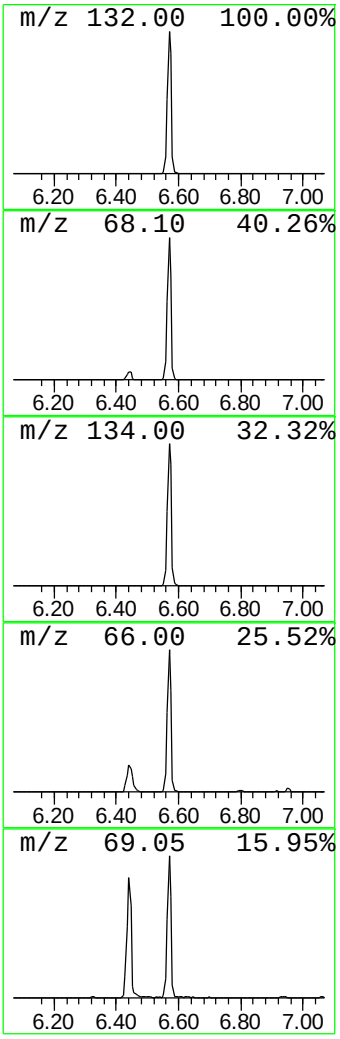
**********

Peak Number 2 unknown6.57 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.57 | 63.07 ng | 1883420 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (E)-3-Chloro-2-methyl-2-pentenal | 132 | C6H9ClO | 031357-76-3 | 17 |
| 2 | 5-Aminoindole | 132 | C8H8N2 | 005192-03-0 | 12 |
| 3 | 1H-Benzimidazole, 2-methyl- | 132 | C8H8N2 | 000615-15-6 | 10 |
| 4 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |
| 5 | 2H-Cyclopenta[d]pyridazine, 2-me... | 132 | C8H8N2 | 022291-85-6 | 9 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104845.D
Acq On : 26 Apr 2018 18:53
Operator : JU/SJ
Sample : J2156-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HR-05-042518-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

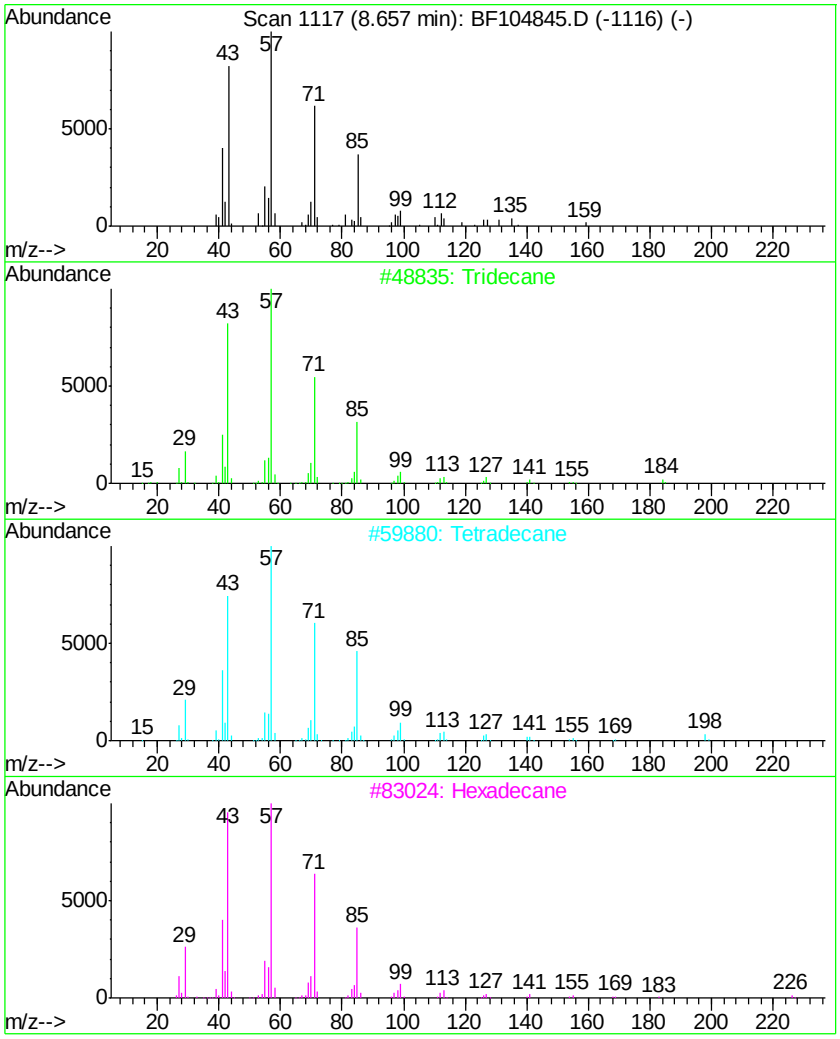
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

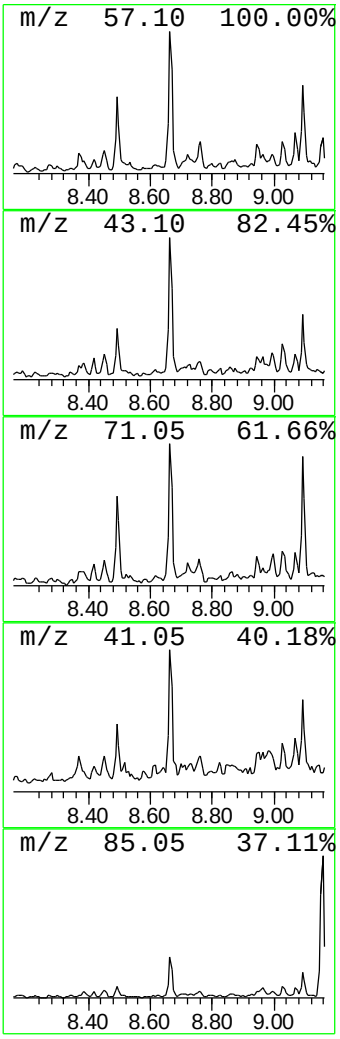
**********

Peak Number 4 Tridecane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.66 | 3.27 ng | 125514 | Naphthalene-d8 | 8.08 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 86 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 80 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 74 |
| 4 | Pentadecane | 212 | C15H32 | 000629-62-9 | 72 |
| 5 | Nonadecane | 268 | C19H40 | 000629-92-5 | 64 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104845.D
Acq On : 26 Apr 2018 18:53
Operator : JU/SJ
Sample : J2156-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HR-05-042518-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

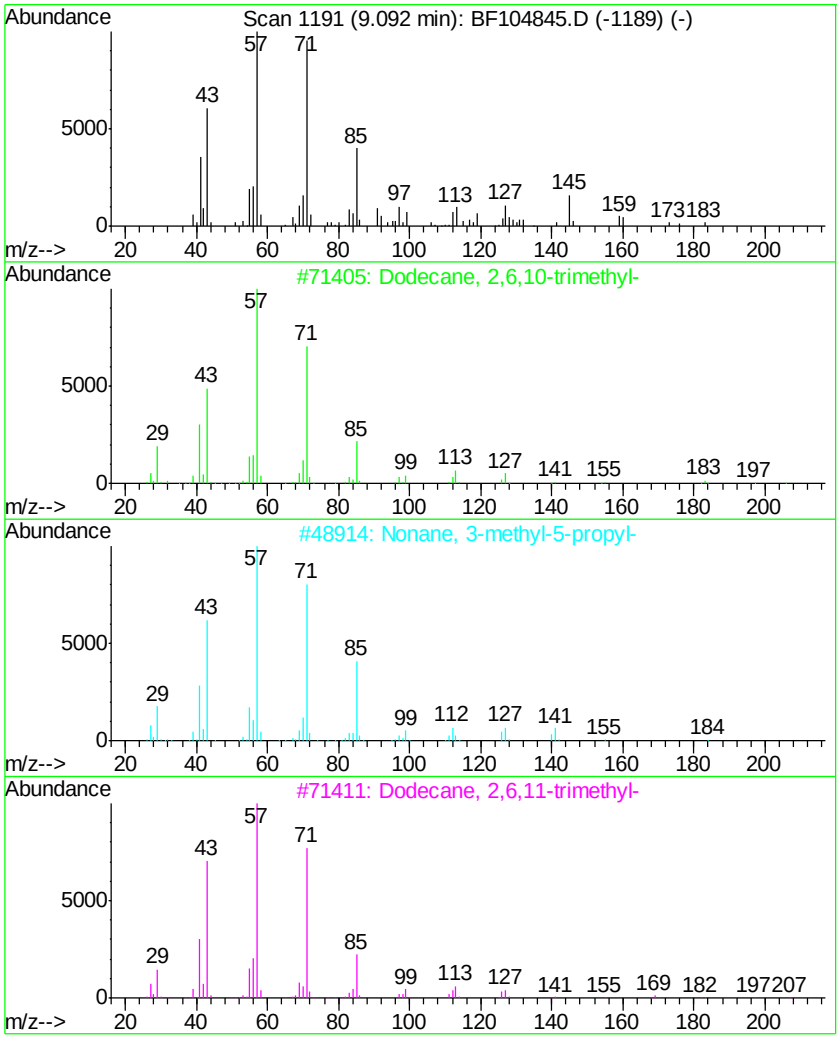
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

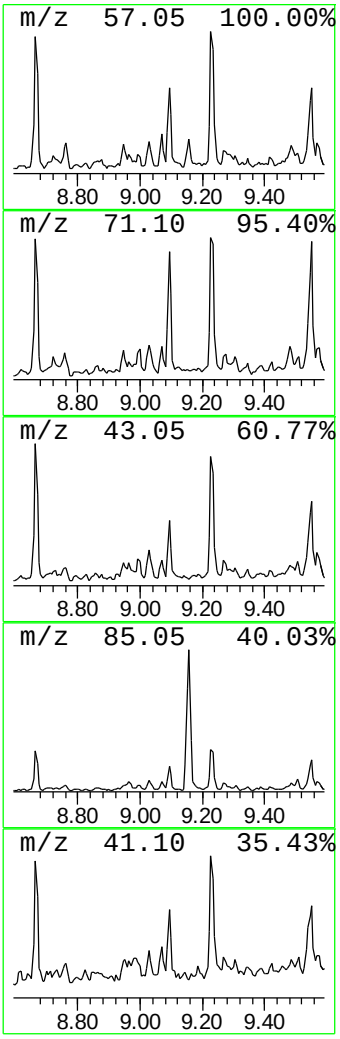
**********

Peak Number 5 Dodecane, 2,6,10-trimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.09 | 2.58 ng | 87927 | Acenaphthene-d10 | 9.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 2,6,10-trimethyl- | 212 | C15H32 | 003891-98-3 | 64 |
| 2 | Nonane, 3-methyl-5-propyl- | 184 | C13H28 | 031081-18-2 | 59 |
| 3 | Dodecane, 2,6,11-trimethyl- | 212 | C15H32 | 031295-56-4 | 59 |
| 4 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 52 |
| 5 | Sulfurous acid, hexyl pentyl ester | 236 | C11H24O3S | 1000309-14-1 | 52 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104845.D
Acq On : 26 Apr 2018 18:53
Operator : JU/SJ
Sample : J2156-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HR-05-042518-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

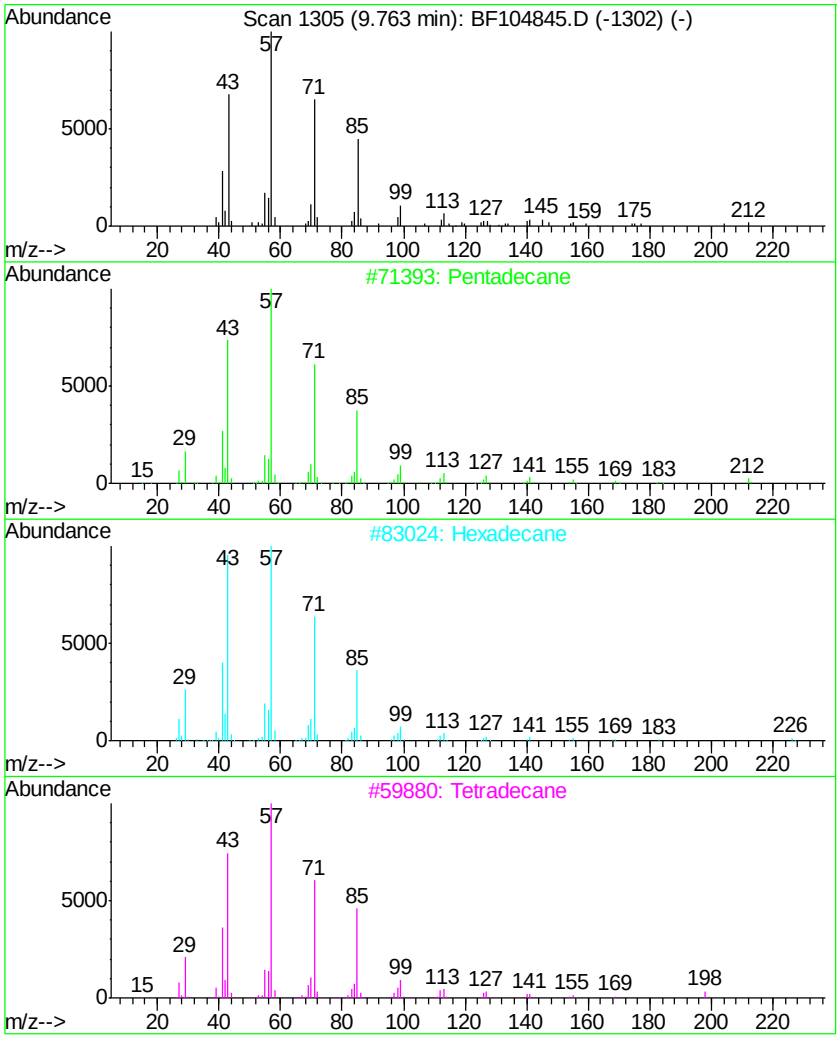
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

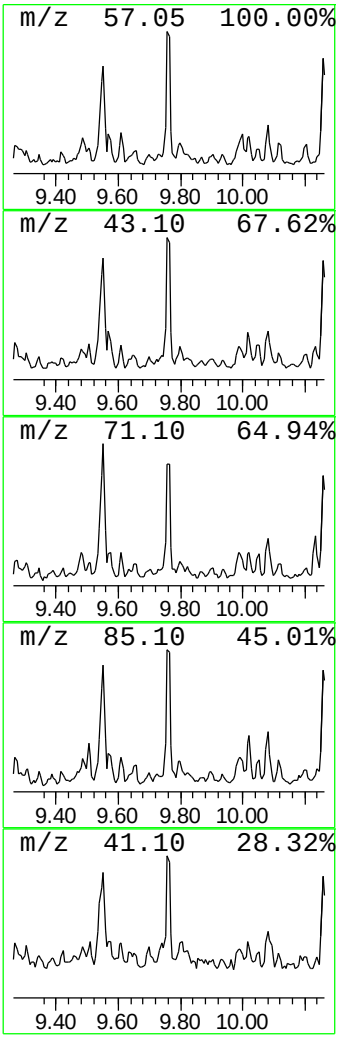
**********

Peak Number 7 Pentadecane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.76 | 3.04 ng | 103586 | Acenaphthene-d10 | 9.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane | 212 | C15H32 | 000629-62-9 | 93 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 87 |
| 4 | Tridecane | 184 | C13H28 | 000629-50-5 | 86 |
| 5 | Nonadecane | 268 | C19H40 | 000629-92-5 | 80 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104845.D
Acq On : 26 Apr 2018 18:53
Operator : JU/SJ
Sample : J2156-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HR-05-042518-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

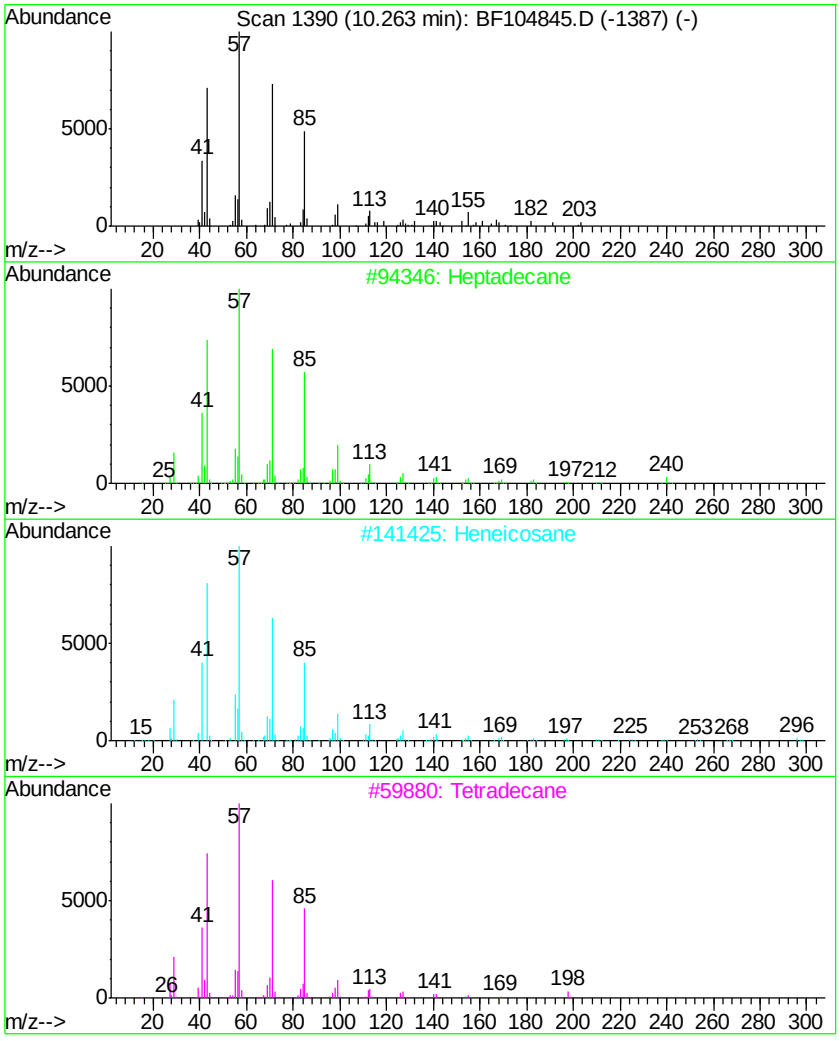
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

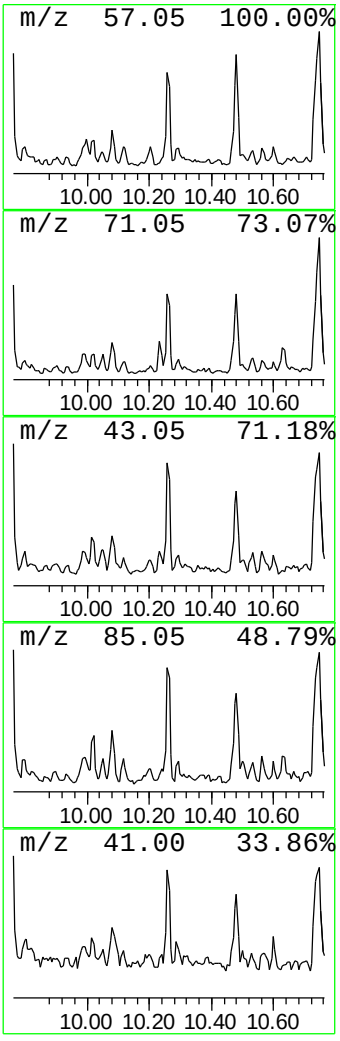
**********

Peak Number 8 Heptadecane Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.26 | 2.70 ng | 92134 | Acenaphthene-d10 | 9.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 90 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 86 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |
| 4 | Octane, 2,4,6-trimethyl- | 156 | C11H24 | 062016-37-9 | 80 |
| 5 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 78 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104845.D
Acq On : 26 Apr 2018 18:53
Operator : JU/SJ
Sample : J2156-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HR-05-042518-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

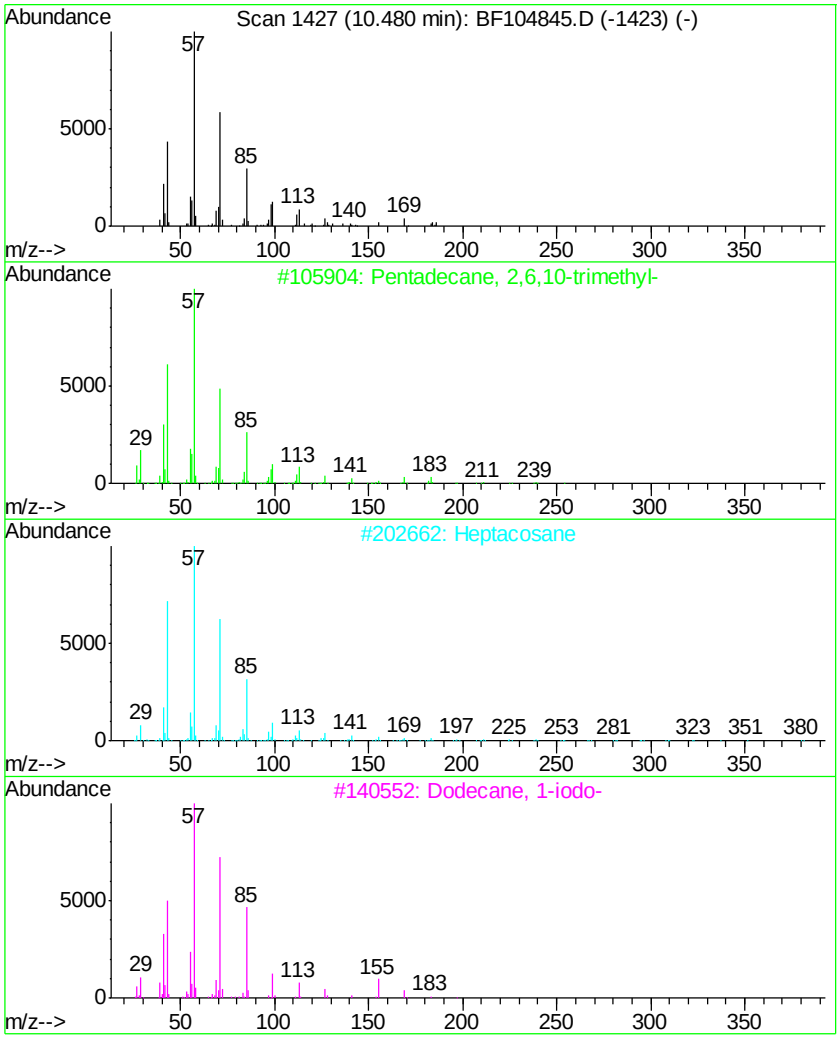
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

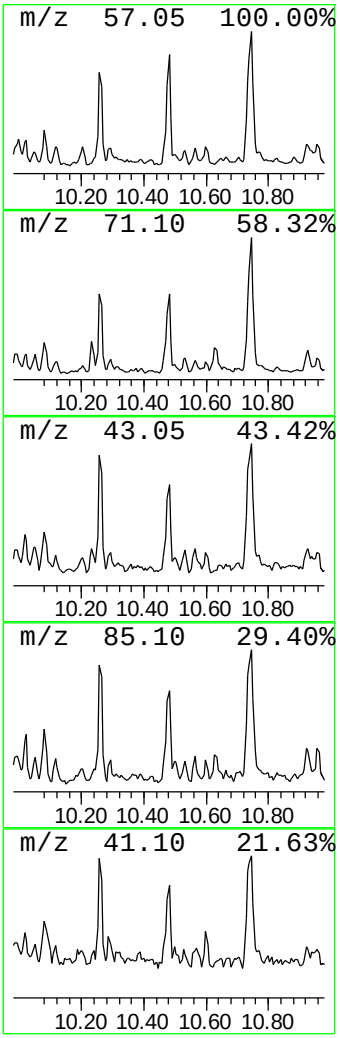
**********

Peak Number 9 Pentadecane, 2,6,10-trimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.48 | 2.71 ng | 92336 | Acenaphthene-d10 | 9.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane, 2,6,10-trimethyl- | 254 | C18H38 | 003892-00-0 | 83 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 72 |
| 3 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 72 |
| 4 | Dodecane, 6-methyl- | 184 | C13H28 | 006044-71-9 | 64 |
| 5 | Octadecane | 254 | C18H38 | 000593-45-3 | 64 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104845.D
Acq On : 26 Apr 2018 18:53
Operator : JU/SJ
Sample : J2156-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HR-05-042518-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

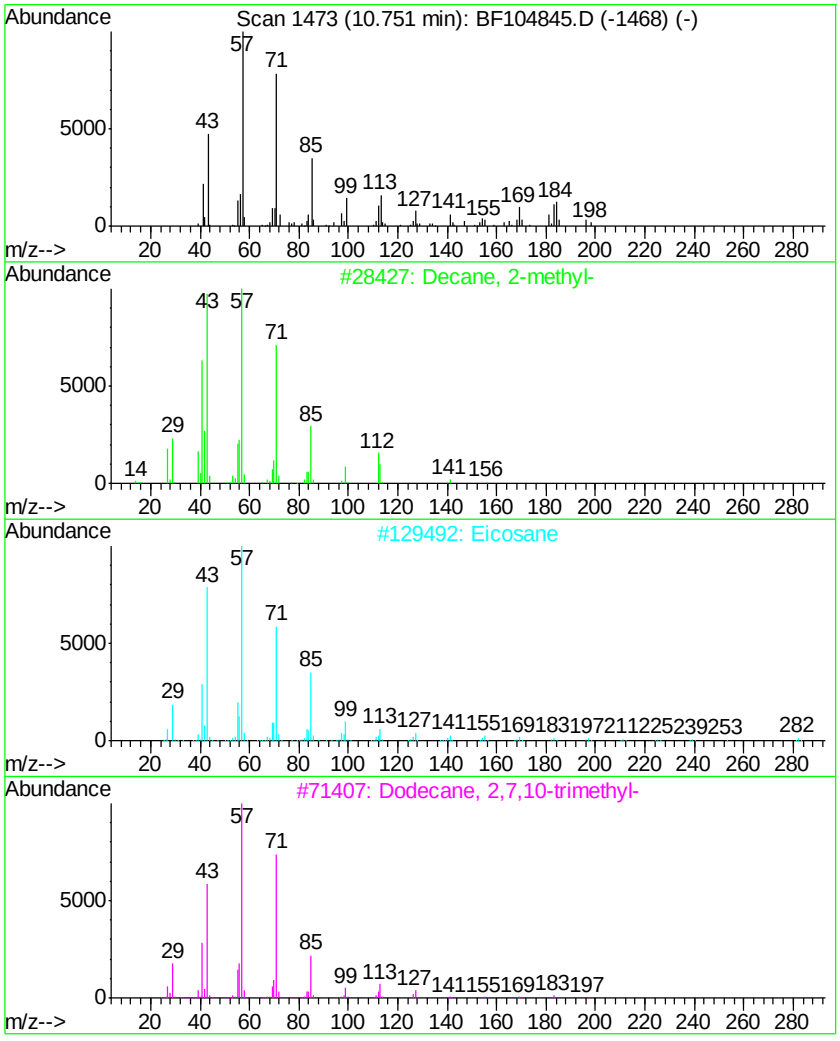
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

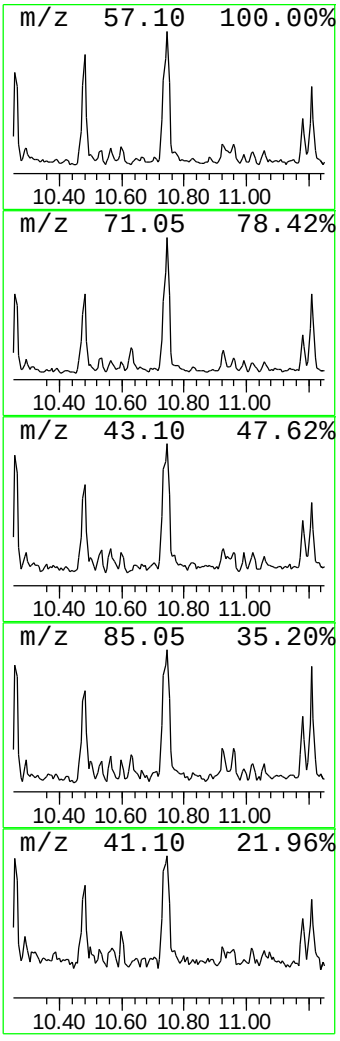
**********

Peak Number 10 Decane, 2-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.75 | 6.72 ng | 210483 | Phenanthrene-d10 | 11.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 87 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 80 |
| 3 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 80 |
| 4 | Tridecane, 7-methyl- | 198 | C14H30 | 026730-14-3 | 76 |
| 5 | Octane, 5-ethyl-2-methyl- | 156 | C11H24 | 062016-18-6 | 72 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104845.D
Acq On : 26 Apr 2018 18:53
Operator : JU/SJ
Sample : J2156-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HR-05-042518-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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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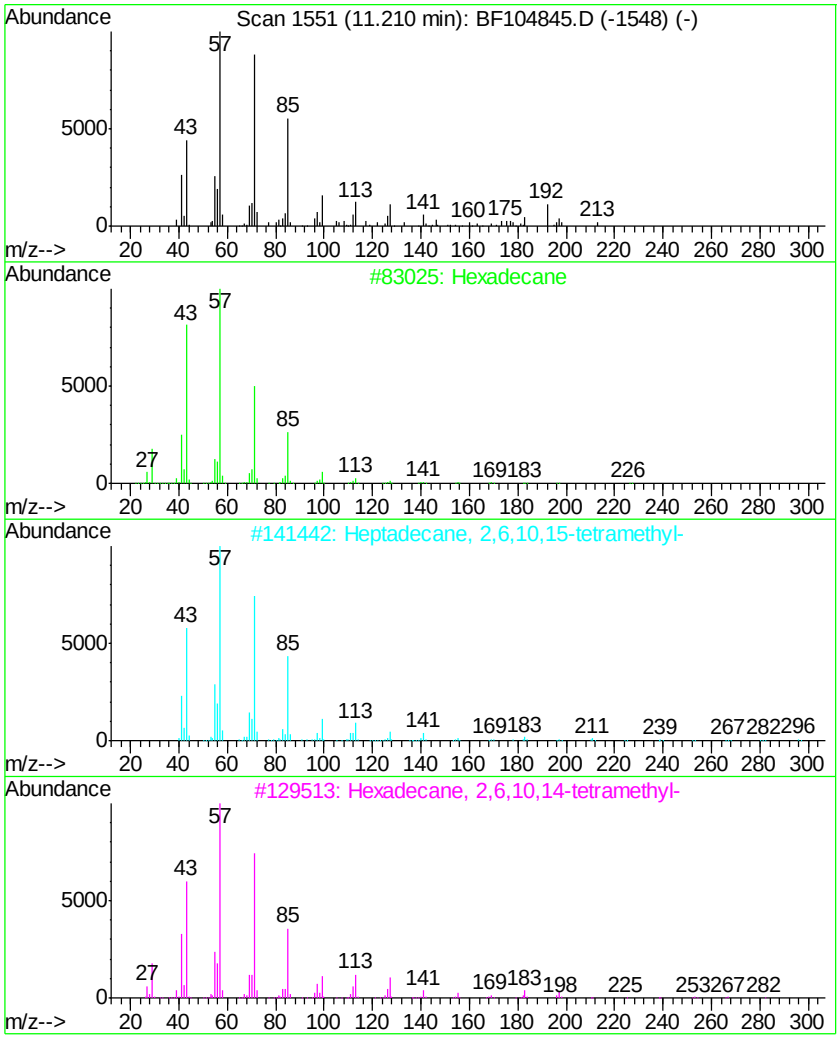
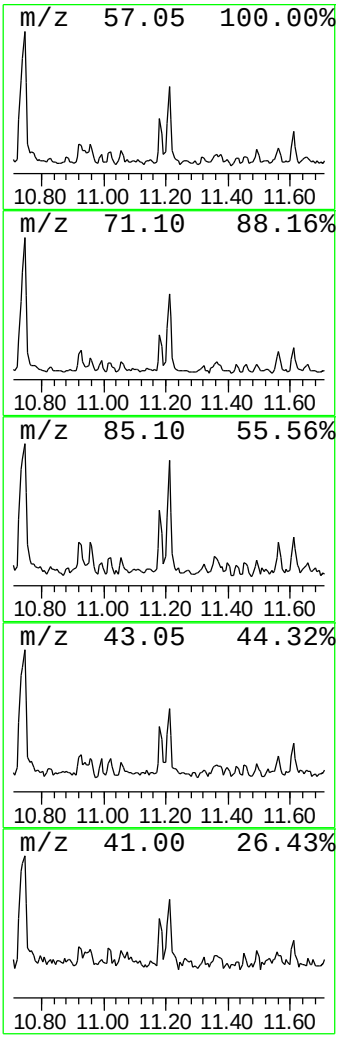
Peak Number 11 Hexadecane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.21 | 2.28 ng | 71361 | Phenanthrene-d10 | 11.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 2 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 86 |
| 3 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 83 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 78 |
| 5 | 2-methyltetracosane | 352 | C25H52 | 1000376-72-6 | 78 |



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042618\
Data File : BF104845.D
Acq On : 26 Apr 2018 18:53
Operator : JU/SJ
Sample : J2156-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HR-05-042518-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

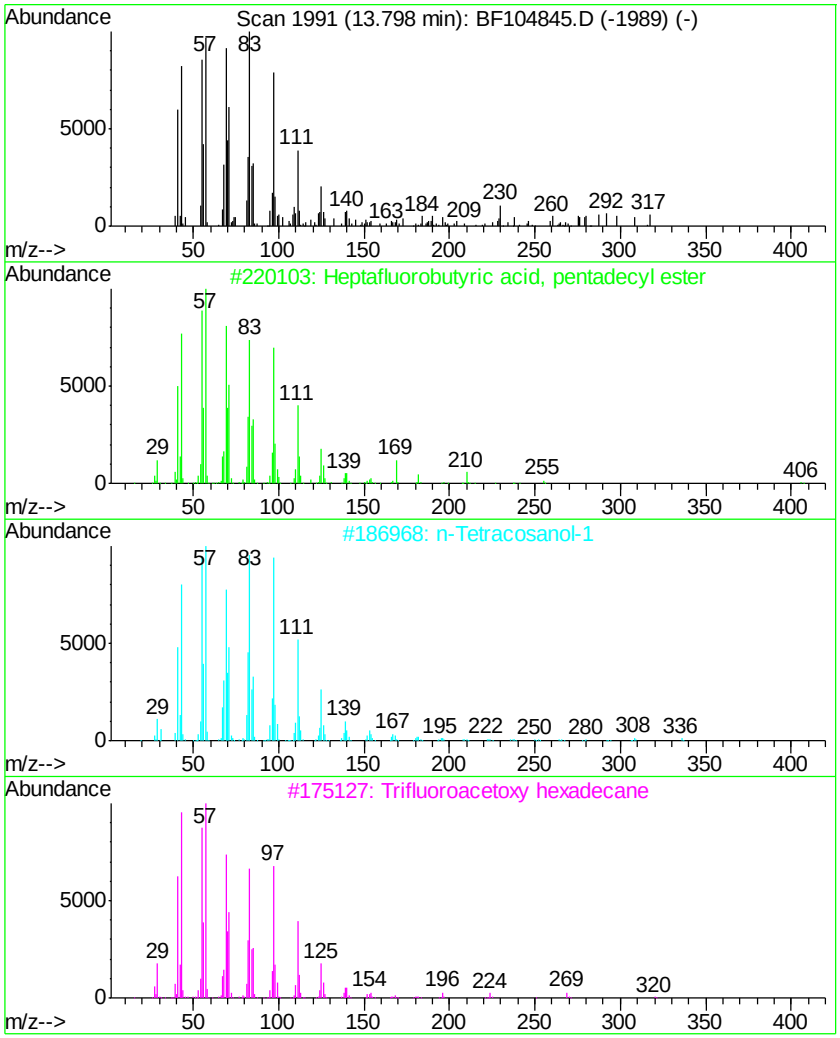
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

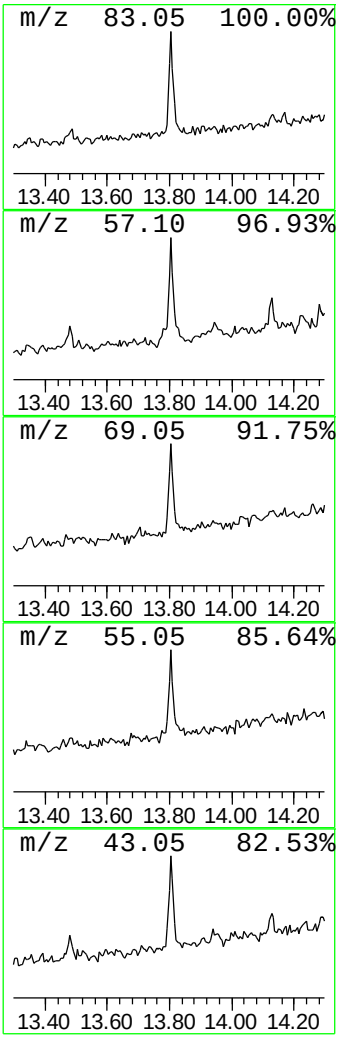
**********

Peak Number 12 Heptafluorobutyric acid, pe... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.80 | 3.64 ng | 126356 | Chrysene-d12 | 13.98 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptafluorobutyric acid, pentade... | 424 | C19H31F7O2 | 959261-23-5 | 94 |
| 2 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 94 |
| 3 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 94 |
| 4 | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 94 |
| 5 | Pentafluoropropionic acid, penta... | 374 | C18H31F5O2 | 959092-08-1 | 94 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042618\
Data File : BF104845.D
Acq On : 26 Apr 2018 18:53
Operator : JU/SJ
Sample : J2156-05
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** HR-05-042518-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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... | 5.00 | 2.7 | ng | 79376 | 1 | 6.80 | 597206 | 20.0 |
| unknown6.57 | 6.57 | 63.1 | ng | 1883420 | 1 | 6.80 | 597206 | 20.0 |
| Tridecane | 8.66 | 3.3 | ng | 125514 | 2 | 8.08 | 767882 | 20.0 |
| Dodecane, 2,6,10-... | 9.09 | 2.6 | ng | 87927 | 3 | 9.84 | 681883 | 20.0 |
| Pentadecane | 9.76 | 3.0 | ng | 103586 | 3 | 9.84 | 681883 | 20.0 |
| Heptadecane | 10.26 | 2.7 | ng | 92134 | 3 | 9.84 | 681883 | 20.0 |
| Pentadecane, 2,6,... | 10.48 | 2.7 | ng | 92336 | 3 | 9.84 | 681883 | 20.0 |
| Decane, 2-methyl- | 10.75 | 6.7 | ng | 210483 | 4 | 11.33 | 626867 | 20.0 |
| Hexadecane | 11.21 | 2.3 | ng | 71361 | 4 | 11.33 | 626867 | 20.0 |
| Heptafluorobutyri... | 13.80 | 3.6 | ng | 126356 | 5 | 13.98 | 693743 | 20.0 |