LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

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_G\Methods\8270-BG031522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG052769.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 6.783 | 569 | 578 | 591 | rVB4 | 70787 | 210102 | 10.75% | 0.412% |
| 2 | 7.136 | 628 | 638 | 644 | rBV3 | 111090 | 248741 | 12.73% | 0.488% |
| 3 | 7.294 | 659 | 665 | 673 | rVB4 | 183192 | 369378 | 18.91% | 0.725% |
| 4 | 7.794 | 744 | 750 | 758 | rVV | 317798 | 548351 | 28.07% | 1.076% |
| 5 | 8.058 | 786 | 795 | 802 | rBV4 | 64327 | 168630 | 8.63% | 0.331% |
| 6 | 8.140 | 802 | 809 | 816 | rVB2 | 277995 | 611626 | 31.31% | 1.200% |
| 7 | 8.269 | 826 | 831 | 839 | rVB2 | 119414 | 239643 | 12.27% | 0.470% |
| 8 | 8.446 | 857 | 861 | 867 | rVB2 | 95841 | 166587 | 8.53% | 0.327% |
| 9 | 8.798 | 915 | 921 | 927 | rBV3 | 141506 | 354448 | 18.14% | 0.695% |
| 10 | 8.921 | 935 | 942 | 945 | rBV2 | 102474 | 192812 | 9.87% | 0.378% |
| 11 | 9.156 | 977 | 982 | 990 | rVB | 137919 | 265596 | 13.60% | 0.521% |
| 12 | 9.262 | 990 | 1000 | 1005 | rBV3 | 284177 | 649333 | 33.24% | 1.274% |
| 13 | 9.344 | 1009 | 1014 | 1024 | rVB4 | 113527 | 282438 | 14.46% | 0.554% |
| 14 | 9.503 | 1032 | 1041 | 1048 | rBV10 | 92260 | 343646 | 17.59% | 0.674% |
| 15 | 9.591 | 1051 | 1056 | 1061 | rBV4 | 76638 | 189266 | 9.69% | 0.371% |
| 16 | 9.791 | 1084 | 1090 | 1095 | rVV3 | 115829 | 265759 | 13.60% | 0.521% |
| 17 | 9.844 | 1095 | 1099 | 1103 | rVV | 151480 | 253134 | 12.96% | 0.497% |
| 18 | 10.043 | 1124 | 1133 | 1137 | rBV3 | 116687 | 266924 | 13.66% | 0.524% |
| 19 | 10.090 | 1137 | 1141 | 1145 | rVB3 | 109862 | 181256 | 9.28% | 0.356% |
| 20 | 10.143 | 1145 | 1150 | 1156 | rBV6 | 155312 | 281644 | 14.42% | 0.553% |
| 21 | 10.208 | 1156 | 1161 | 1164 | rBV3 | 153629 | 274021 | 14.03% | 0.538% |
| 22 | 10.302 | 1171 | 1177 | 1181 | rBV2 | 112143 | 197085 | 10.09% | 0.387% |
| 23 | 10.355 | 1181 | 1186 | 1193 | rVV3 | 268326 | 620472 | 31.76% | 1.217% |
| 24 | 10.419 | 1193 | 1197 | 1203 | rVB4 | 161885 | 303244 | 15.52% | 0.595% |
| 25 | 10.490 | 1203 | 1209 | 1212 | rBV | 131888 | 247395 | 12.66% | 0.485% |
| 26 | 10.537 | 1214 | 1217 | 1222 | rVV3 | 107208 | 189535 | 9.70% | 0.372% |
| 27 | 10.590 | 1222 | 1226 | 1233 | rVB | 189841 | 341760 | 17.49% | 0.671% |
| 28 | 10.660 | 1233 | 1238 | 1242 | rBV | 99705 | 180032 | 9.22% | 0.353% |
| 29 | 10.954 | 1278 | 1288 | 1293 | rVV2 | 386638 | 1173437 | 60.07% | 2.302% |
| 30 | 11.007 | 1293 | 1297 | 1305 | rVV2 | 353315 | 876960 | 44.89% | 1.721% |
| 31 | 11.077 | 1305 | 1309 | 1312 | rVV | 171381 | 321326 | 16.45% | 0.630% |
| 32 | 11.124 | 1312 | 1317 | 1322 | rVV | 351746 | 606071 | 31.02% | 1.189% |
| 33 | 11.183 | 1322 | 1327 | 1334 | rVV3 | 112903 | 253153 | 12.96% | 0.497% |
| 34 | 11.430 | 1364 | 1369 | 1380 | rVB3 | 245032 | 575446 | 29.46% | 1.129% |
| 35 | 11.541 | 1381 | 1388 | 1397 | rBV5 | 133764 | 383273 | 19.62% | 0.752% |
| 36 | 11.624 | 1398 | 1402 | 1405 | rVV2 | 146688 | 257348 | 13.17% | 0.505% |

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

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_G\Methods\8270-BG031522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 11.665 | 1405 | 1409 | 1416 | rVV5 | 218446 | 515296 | 26.38% | 1.011% |
| 38 | 11.723 | 1416 | 1419 | 1426 | rVB3 | 112611 | 225547 | 11.55% | 0.443% |
| 39 | 11.794 | 1426 | 1431 | 1437 | rBV3 | 175624 | 299269 | 15.32% | 0.587% |
| 40 | 11.876 | 1438 | 1445 | 1451 | rBV4 | 229268 | 504123 | 25.81% | 0.989% |
| 41 | 11.982 | 1457 | 1463 | 1467 | rBV | 426359 | 710084 | 36.35% | 1.393% |
| 42 | 12.064 | 1473 | 1477 | 1483 | rVB2 | 162246 | 279632 | 14.31% | 0.549% |
| 43 | 12.146 | 1485 | 1491 | 1498 | rVB2 | 550692 | 996714 | 51.02% | 1.955% |
| 44 | 12.499 | 1546 | 1551 | 1556 | rVB3 | 306150 | 523622 | 26.80% | 1.027% |
| 45 | 12.605 | 1560 | 1569 | 1575 | rVB2 | 934030 | 1951026 | 99.87% | 3.828% |
| 46 | 12.699 | 1580 | 1585 | 1592 | rBV6 | 61988 | 165363 | 8.46% | 0.324% |
| 47 | 12.822 | 1599 | 1606 | 1609 | rBV | 573638 | 1111352 | 56.89% | 2.180% |
| 48 | 12.857 | 1609 | 1612 | 1617 | rVB2 | 417436 | 630278 | 32.26% | 1.237% |
| 49 | 12.998 | 1631 | 1636 | 1639 | rBV3 | 178074 | 277707 | 14.22% | 0.545% |
| 50 | 13.039 | 1639 | 1643 | 1645 | rBV4 | 120950 | 194383 | 9.95% | 0.381% |
| 51 | 13.104 | 1650 | 1654 | 1661 | rVV4 | 178765 | 340387 | 17.42% | 0.668% |
| 52 | 13.263 | 1677 | 1681 | 1685 | rBV5 | 96216 | 212073 | 10.86% | 0.416% |
| 53 | 13.315 | 1685 | 1690 | 1696 | rVB2 | 607981 | 960273 | 49.16% | 1.884% |
| 54 | 13.603 | 1730 | 1739 | 1745 | rBV6 | 200579 | 567689 | 29.06% | 1.114% |
| 55 | 13.715 | 1754 | 1758 | 1763 | rVB2 | 304599 | 513996 | 26.31% | 1.008% |
| 56 | 13.768 | 1763 | 1767 | 1769 | rBV3 | 161894 | 227383 | 11.64% | 0.446% |
| 57 | 13.803 | 1769 | 1773 | 1776 | rBV | 189287 | 248766 | 12.73% | 0.488% |
| 58 | 13.932 | 1789 | 1795 | 1810 | rVB3 | 625014 | 1836988 | 94.03% | 3.604% |
| 59 | 14.091 | 1811 | 1822 | 1827 | rBV2 | 878400 | 1953542 | 100.00% | 3.833% |
| 60 | 14.144 | 1827 | 1831 | 1837 | rVB2 | 664323 | 1113521 | 57.00% | 2.185% |
| 61 | 14.202 | 1837 | 1841 | 1843 | rBV2 | 158786 | 235616 | 12.06% | 0.462% |
| 62 | 14.249 | 1845 | 1849 | 1853 | rVB | 564098 | 759126 | 38.86% | 1.489% |
| 63 | 14.326 | 1858 | 1862 | 1872 | rVB4 | 392733 | 1017815 | 52.10% | 1.997% |
| 64 | 14.490 | 1887 | 1890 | 1894 | rVB | 130764 | 172805 | 8.85% | 0.339% |
| 65 | 14.608 | 1906 | 1910 | 1915 | rBV4 | 200466 | 294106 | 15.06% | 0.577% |
| 66 | 14.737 | 1927 | 1932 | 1934 | rBV | 415187 | 675712 | 34.59% | 1.326% |
| 67 | 14.766 | 1934 | 1937 | 1942 | rVB2 | 457110 | 677364 | 34.67% | 1.329% |
| 68 | 14.819 | 1942 | 1946 | 1948 | rBV | 102485 | 168150 | 8.61% | 0.330% |
| 69 | 14.972 | 1967 | 1972 | 1981 | rVB | 387645 | 1010561 | 51.73% | 1.983% |
| 70 | 15.054 | 1982 | 1986 | 1990 | rBV2 | 117268 | 202787 | 10.38% | 0.398% |
| 71 | 15.160 | 2000 | 2004 | 2012 | rVB | 561132 | 940414 | 48.14% | 1.845% |
| 72 | 15.236 | 2012 | 2017 | 2021 | rVB | 419638 | 606315 | 31.04% | 1.190% |
| 73 | 15.283 | 2021 | 2025 | 2036 | rVB7 | 261363 | 624481 | 31.97% | 1.225% |
| 74 | 15.383 | 2036 | 2042 | 2046 | rBV | 364508 | 735563 | 37.65% | 1.443% |
| 75 | 15.436 | 2047 | 2051 | 2055 | rVB | 346359 | 504804 | 25.84% | 0.990% |
| 76 | 15.671 | 2085 | 2091 | 2094 | rBV5 | 101286 | 240531 | 12.31% | 0.472% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

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_G\Methods\8270-BG031522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 15.718 | 2095 | 2099 | 2106 | rVB4 | 195903 | 404671 | 20.71% | 0.794% |
| 78 | 15.800 | 2109 | 2113 | 2117 | rBV2 | 221195 | 340756 | 17.44% | 0.669% |
| 79 | 15.853 | 2117 | 2122 | 2126 | rVB3 | 157043 | 330445 | 16.92% | 0.648% |
| 80 | 15.935 | 2133 | 2136 | 2139 | rVB3 | 195280 | 241596 | 12.37% | 0.474% |
| 81 | 15.977 | 2139 | 2143 | 2146 | rVV4 | 145119 | 242801 | 12.43% | 0.476% |
| 82 | 16.018 | 2146 | 2150 | 2157 | rVB2 | 715976 | 1071489 | 54.85% | 2.102% |
| 83 | 16.223 | 2182 | 2185 | 2189 | rVV2 | 131871 | 193085 | 9.88% | 0.379% |
| 84 | 16.317 | 2198 | 2201 | 2206 | rBV3 | 110936 | 191540 | 9.80% | 0.376% |
| 85 | 16.494 | 2226 | 2231 | 2242 | rVB2 | 1114980 | 1868069 | 95.62% | 3.665% |
| 86 | 16.869 | 2289 | 2295 | 2300 | rBV4 | 386735 | 719016 | 36.81% | 1.411% |
| 87 | 17.316 | 2366 | 2371 | 2382 | rVB2 | 746416 | 1420651 | 72.72% | 2.787% |
| 88 | 17.510 | 2399 | 2404 | 2408 | rBV | 522654 | 834990 | 42.74% | 1.638% |
| 89 | 17.551 | 2408 | 2411 | 2415 | rVB | 251357 | 350999 | 17.97% | 0.689% |
| 90 | 17.704 | 2434 | 2437 | 2442 | rVB5 | 111826 | 169481 | 8.68% | 0.333% |
| 91 | 17.921 | 2470 | 2474 | 2485 | rVB4 | 222652 | 429561 | 21.99% | 0.843% |
| 92 | 18.385 | 2549 | 2553 | 2557 | rBV | 299780 | 442698 | 22.66% | 0.869% |
| 93 | 18.432 | 2557 | 2561 | 2568 | rVB | 393145 | 624396 | 31.96% | 1.225% |
| 94 | 18.567 | 2581 | 2584 | 2588 | rVB2 | 137003 | 189857 | 9.72% | 0.372% |
| 95 | 19.296 | 2703 | 2708 | 2712 | rVV | 268808 | 397542 | 20.35% | 0.780% |
| 96 | 19.930 | 2812 | 2816 | 2822 | rVB3 | 110719 | 196666 | 10.07% | 0.386% |
| 97 | 19.989 | 2822 | 2826 | 2832 | rVB | 129602 | 193474 | 9.90% | 0.380% |
| 98 | 20.106 | 2843 | 2846 | 2851 | rVB | 156597 | 188723 | 9.66% | 0.370% |
| 99 | 21.792 | 3126 | 3133 | 3142 | rVB | 507194 | 879444 | 45.02% | 1.725% |
| 100 | 25.111 | 3688 | 3698 | 3712 | rVB2 | 315991 | 933423 | 47.78% | 1.831% |

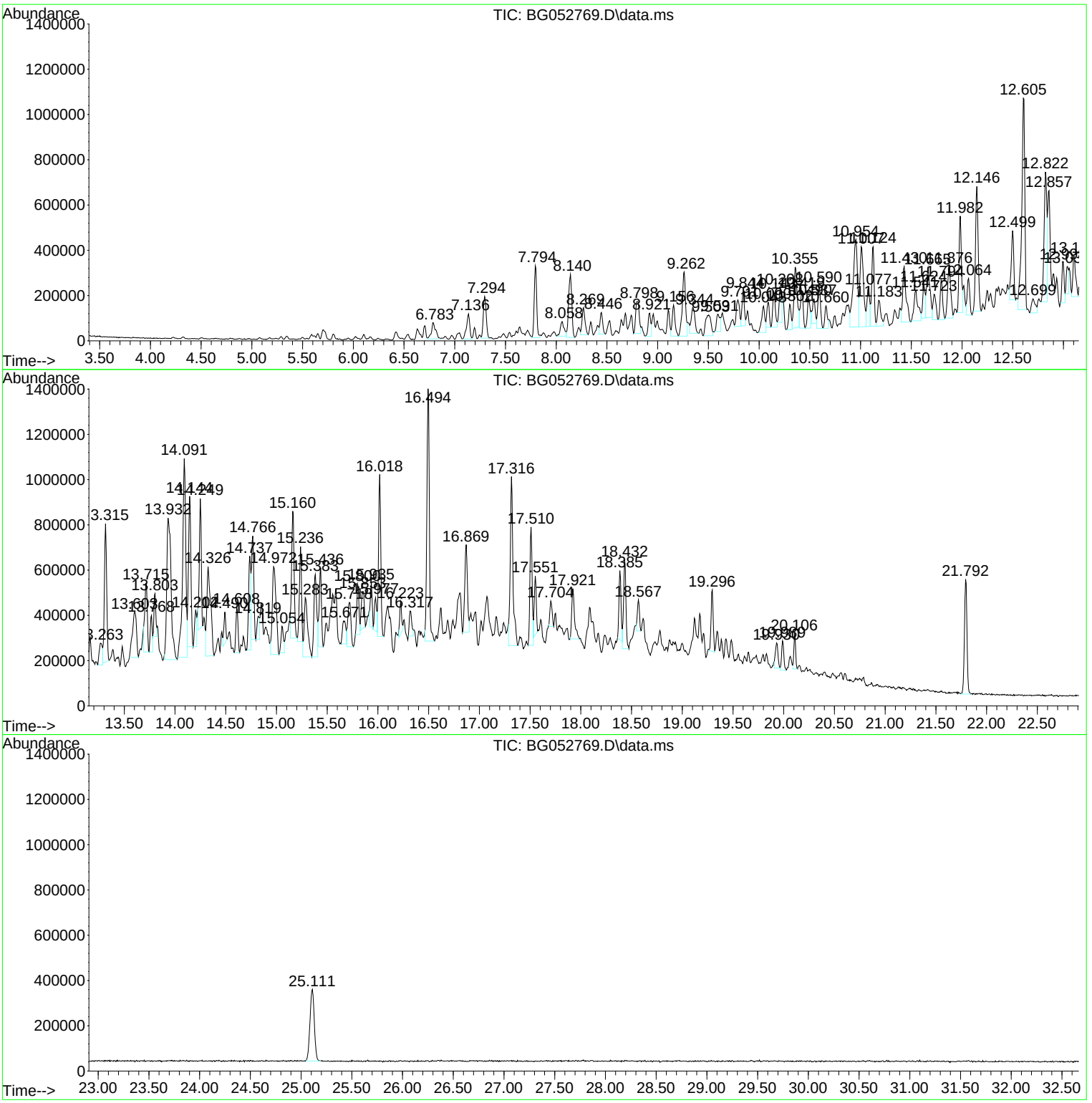
Sum of corrected areas: 50970409

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

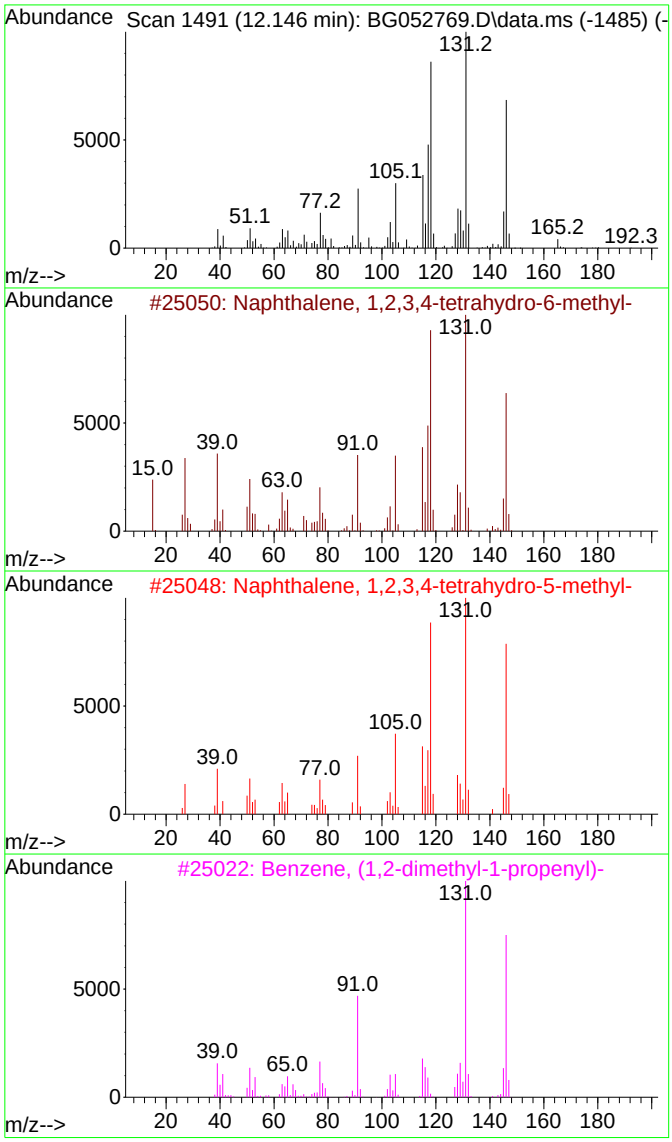
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

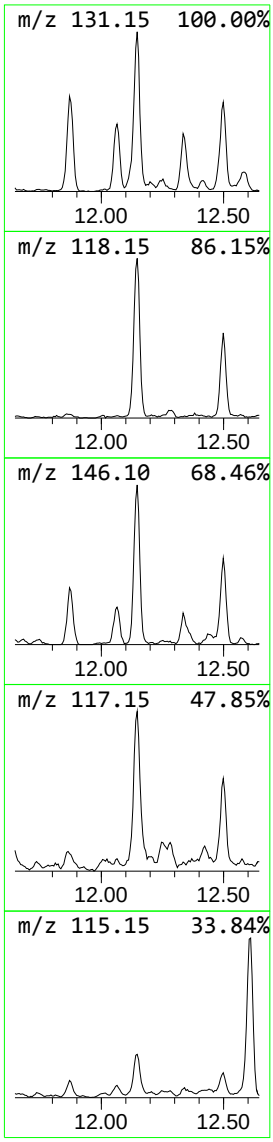
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.146 | 16.99 ng | 996714 | Naphthalene-d8 | 10.960 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 96 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 96 |
| 3 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 90 |
| 4 | Benzene, (1-ethyl-2-propenyl)- | 146 | C11H14 | 019947-22-9 | 74 |
| 5 | 2,3,4,5,6,7-Hexahydro-1H-cyclope... | 146 | C11H14 | 1010189-31-0 | 70 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

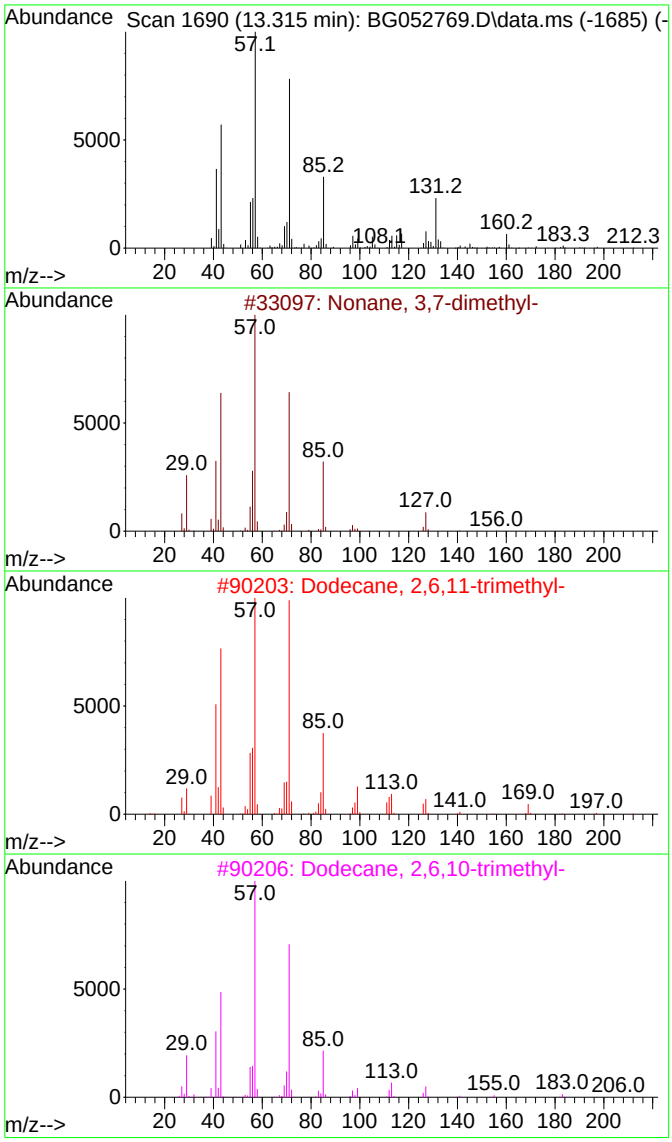
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

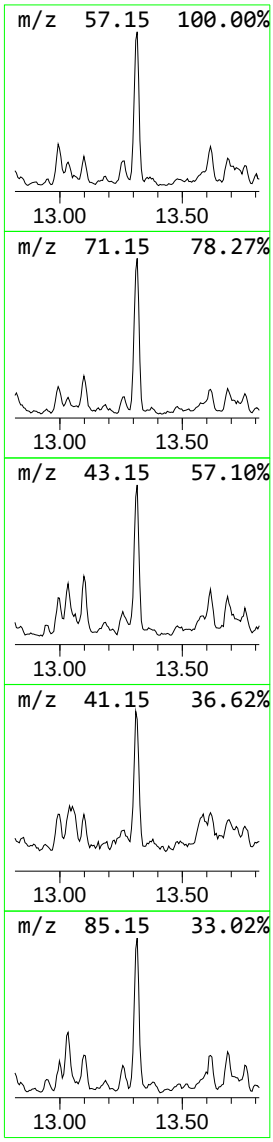
**********

Peak Number 3 Nonane, 3,7-dimethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.316 | 28.35 ng | 960273 | Acenaphthene-d10 | 14.766 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane, 3,7-dimethyl- | 156 | C11H24 | 017302-32-8 | 64 |
| 2 | Dodecane, 2,6,11-trimethyl- | 212 | C15H32 | 031295-56-4 | 64 |
| 3 | Dodecane, 2,6,10-trimethyl- | 212 | C15H32 | 003891-98-3 | 58 |
| 4 | Decane, 5-propyl- | 184 | C13H28 | 017312-62-8 | 53 |
| 5 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 52 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

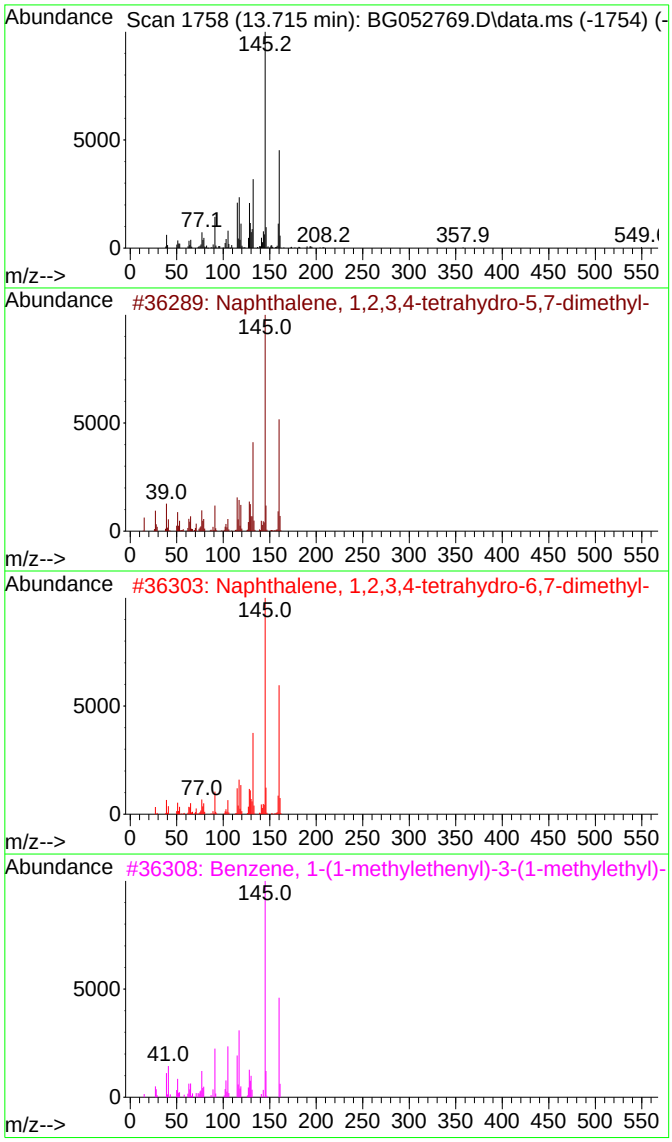
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

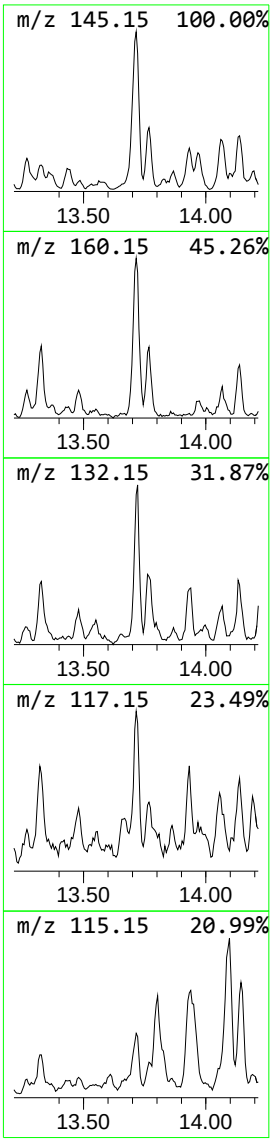
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.715 | 15.18 ng | 513996 | Acenaphthene-d10 | 14.766 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 021693-54-9 | 95 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 001076-61-5 | 94 |
| 3 | Benzene, 1-(1-methylethenyl)-3-(... | 160 | C12H16 | 001129-29-9 | 89 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 020027-77-4 | 87 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 004175-54-6 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

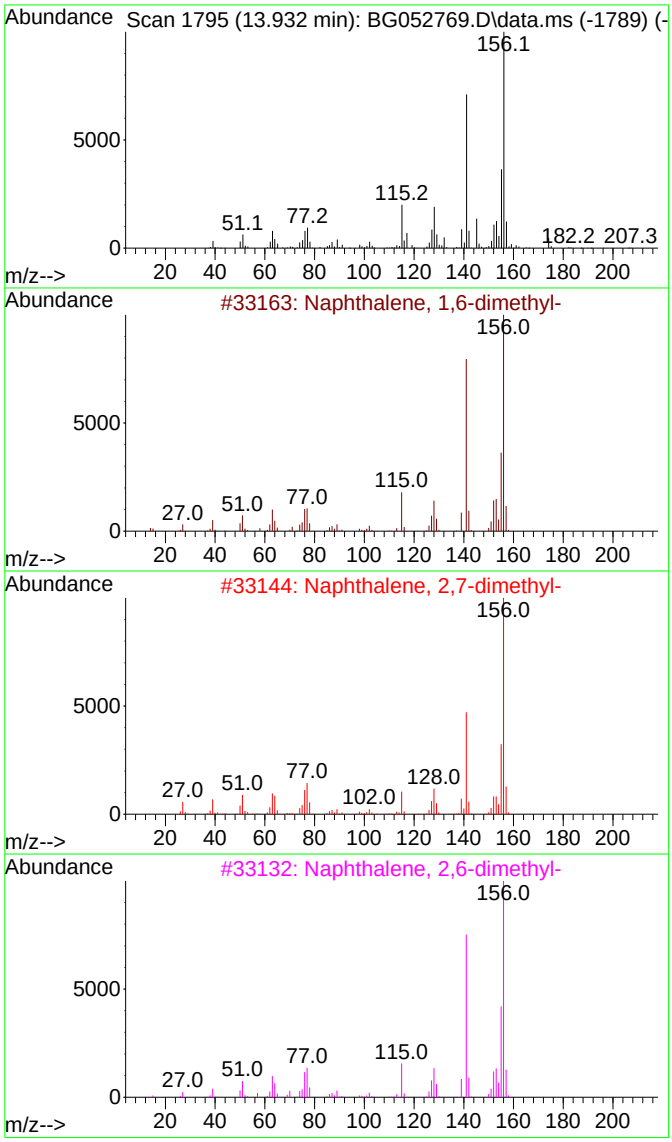
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

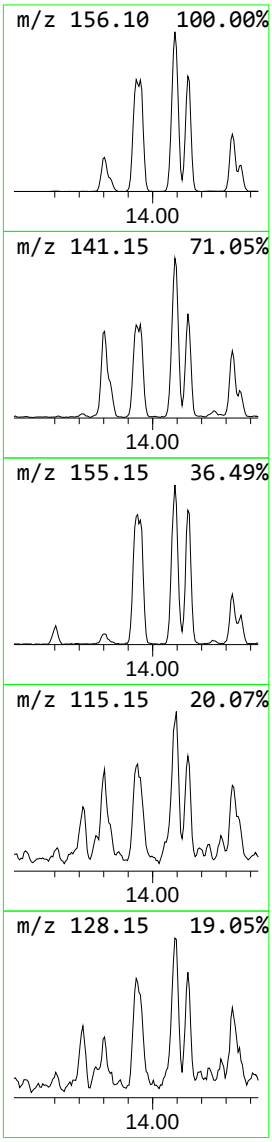
**********

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.932 | 54.24 ng | 1836990 | Acenaphthene-d10 | 14.766 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 2 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |
| 3 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 96 |
| 4 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 95 |
| 5 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

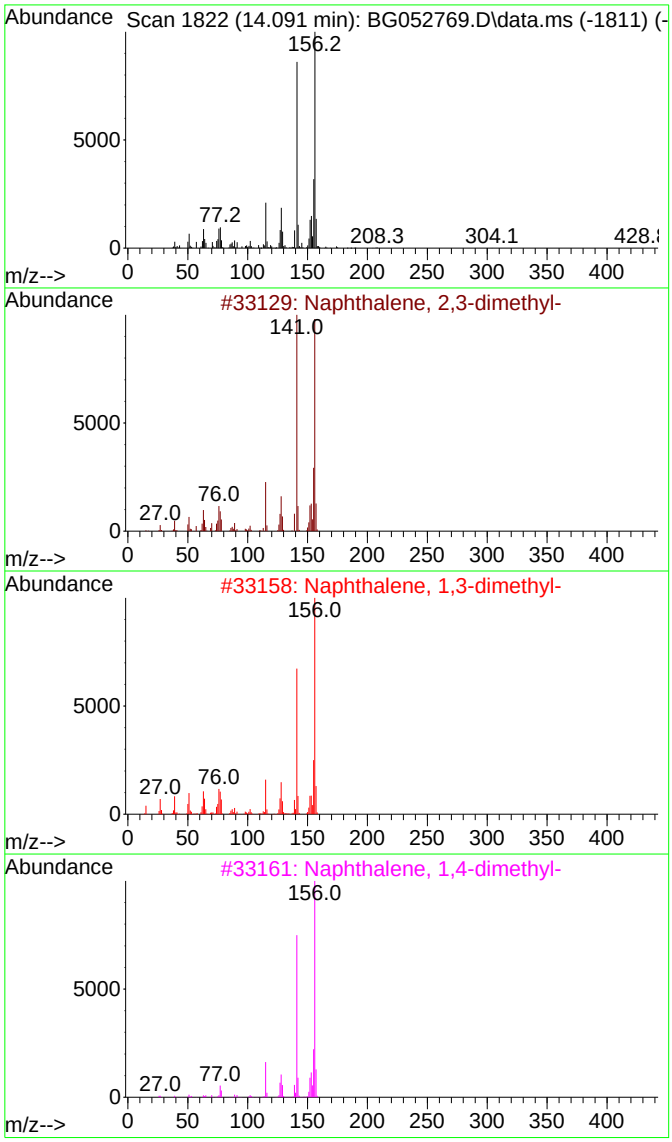
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

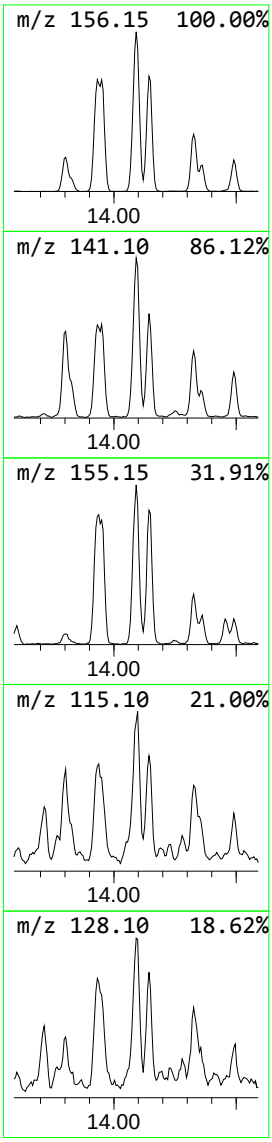
**********

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.091 | 57.68 ng | 1953540 | Acenaphthene-d10 | 14.766 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 2 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 97 |
| 3 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 97 |
| 4 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 96 |
| 5 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

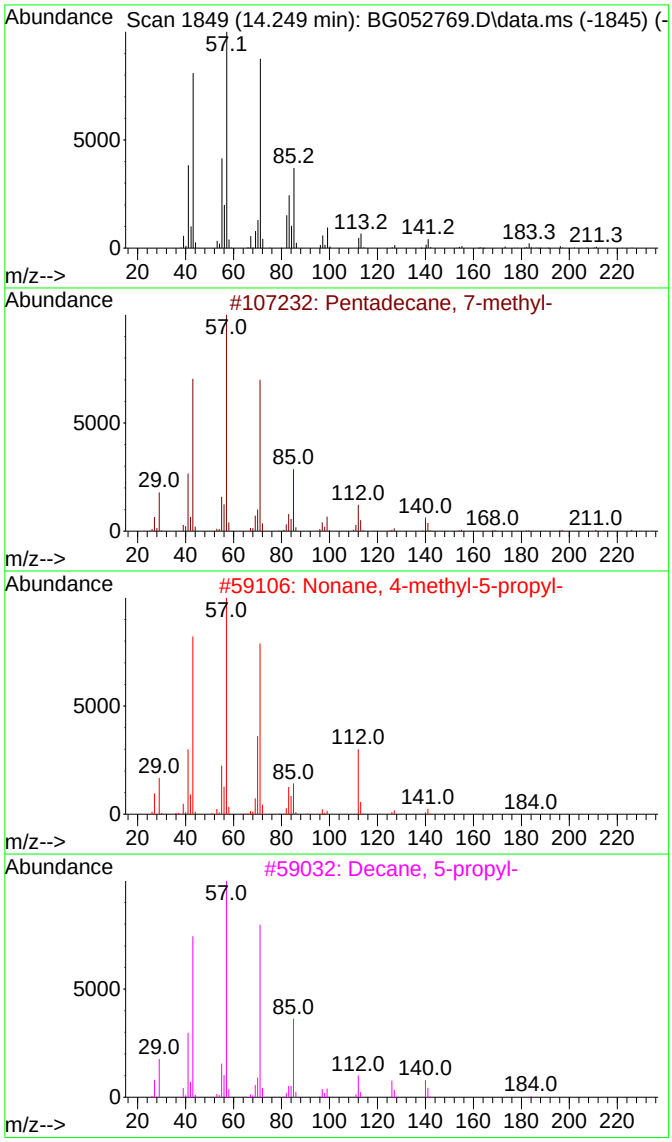
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

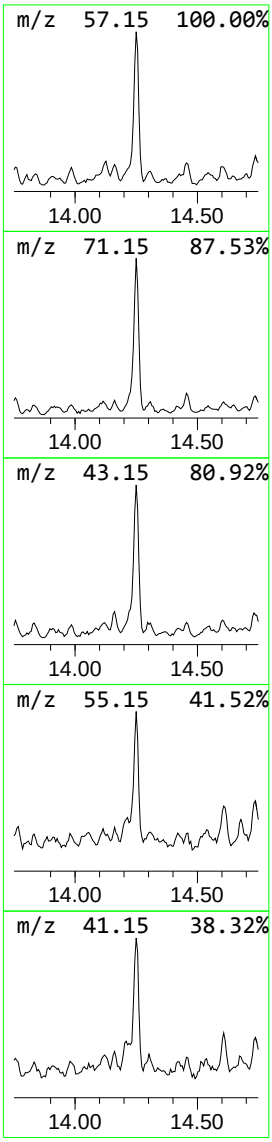
**********

Peak Number 8 Pentadecane, 7-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.249 | 22.41 ng | 759126 | Acenaphthene-d10 | 14.766 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane, 7-methyl- | 226 | C16H34 | 006165-40-8 | 72 |
| 2 | Nonane, 4-methyl-5-propyl- | 184 | C13H28 | 062185-55-1 | 68 |
| 3 | Decane, 5-propyl- | 184 | C13H28 | 017312-62-8 | 68 |
| 4 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 64 |
| 5 | Tridecane, 5-propyl- | 226 | C16H34 | 055045-11-9 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

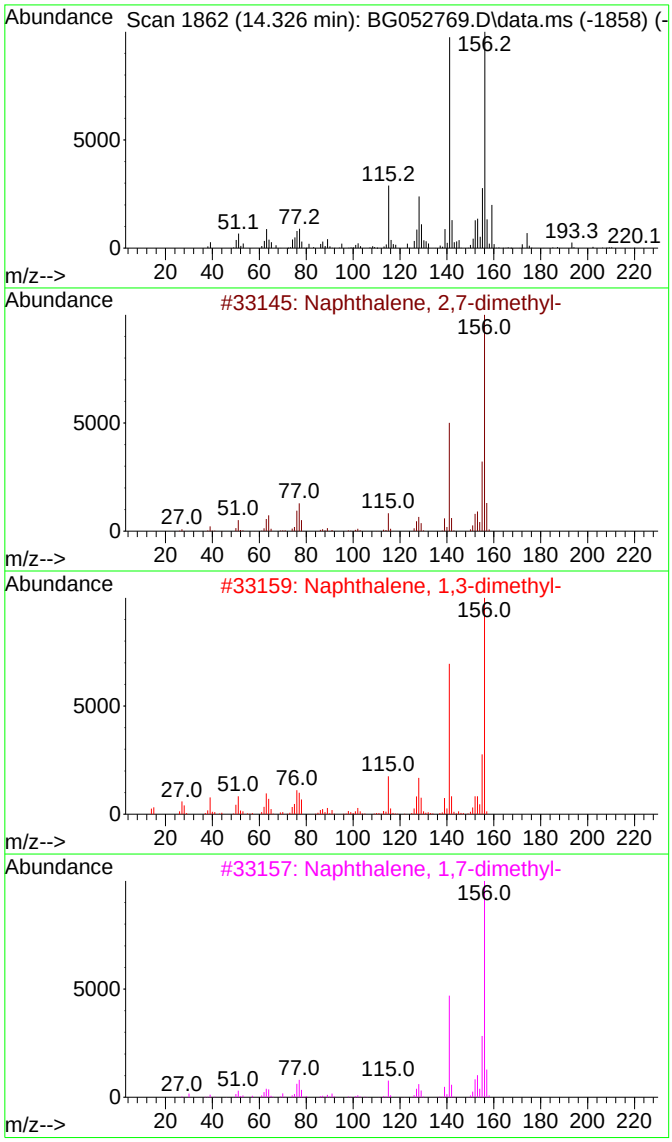
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

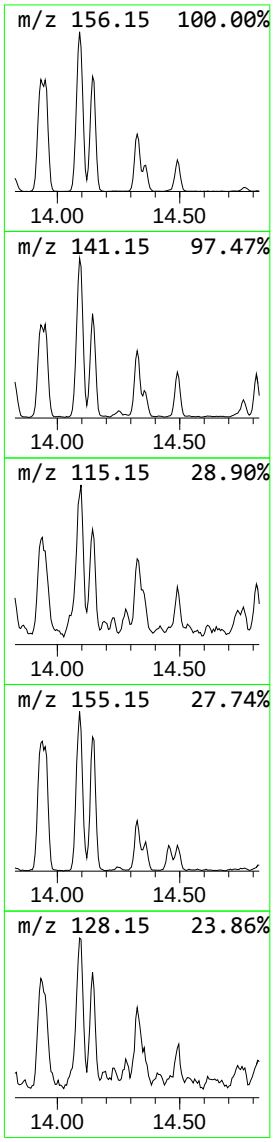
**********

Peak Number 9 Naphthalene, 2,7-dimethyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.326 | 30.05 ng | 1017820 | Acenaphthene-d10 | 14.766 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 95 |
| 2 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 95 |
| 3 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 95 |
| 4 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 95 |
| 5 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

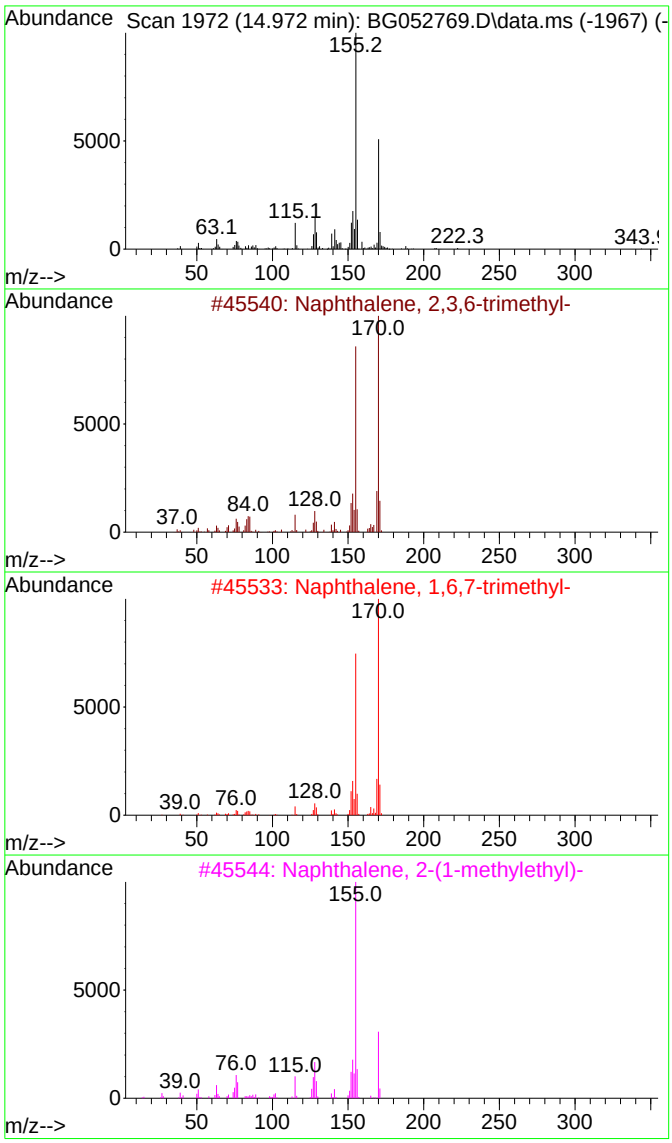
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

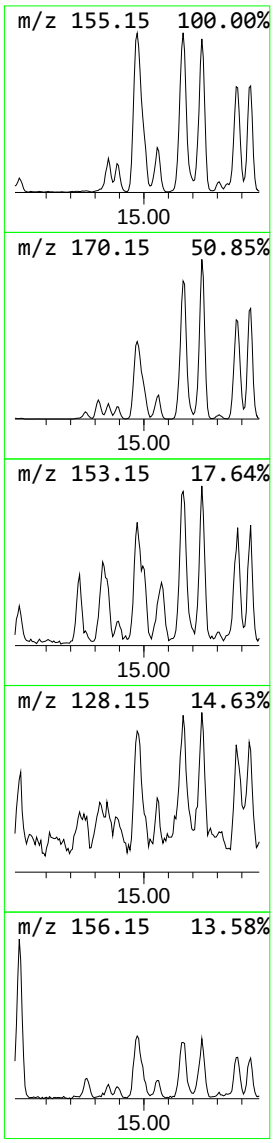
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Naphthalene, 2,3,6-trimethyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.972 | 29.84 ng | 1010560 | Acenaphthene-d10 | 14.766 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 94 |
| 2 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 94 |
| 3 | Naphthalene, 2-(1-methylethyl)- | 170 | C13H14 | 002027-17-0 | 93 |
| 4 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 91 |
| 5 | 3-(2-Methyl-propenyl)-1H-indene | 170 | C13H14 | 1000187-78-5 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

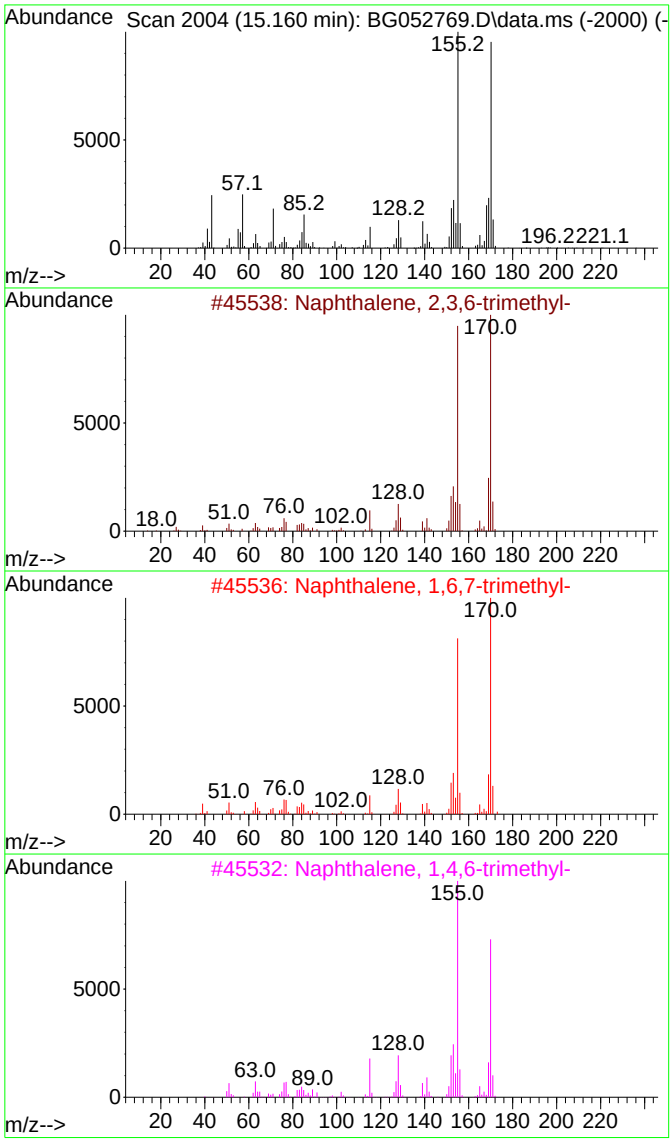
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

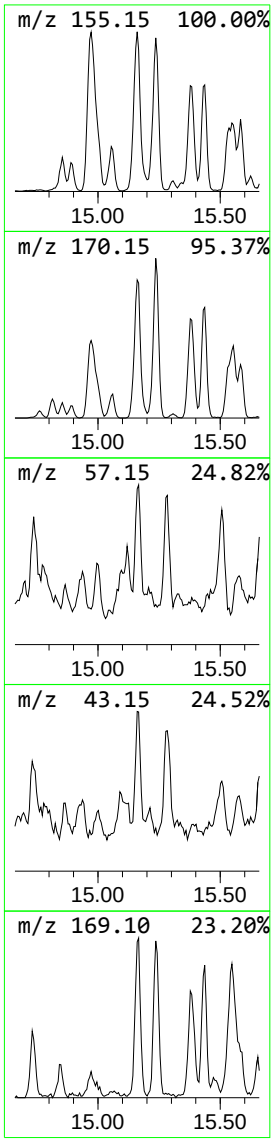
**********

Peak Number 11 Naphthalene, 1,6,7-trimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.160 | 27.77 ng | 940414 | Acenaphthene-d10 | 14.766 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 98 |
| 2 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 96 |
| 3 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 95 |
| 4 | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14 | 002131-41-1 | 90 |
| 5 | 4,6,8-Trimethylazulene | 170 | C13H14 | 000941-81-1 | 87 |



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Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

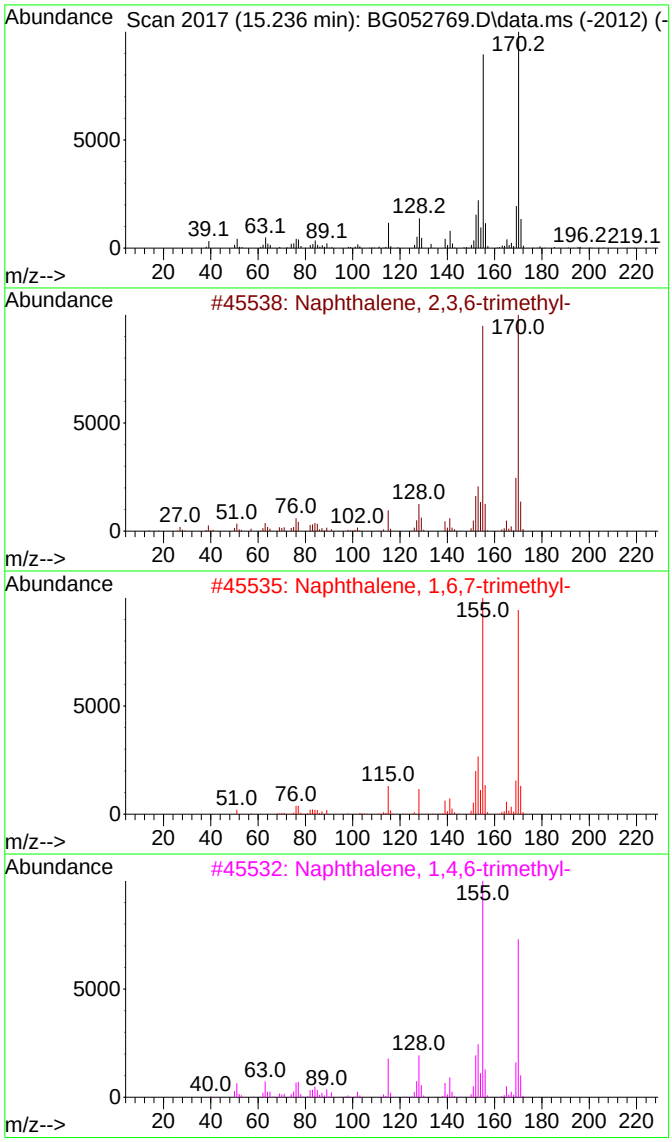
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

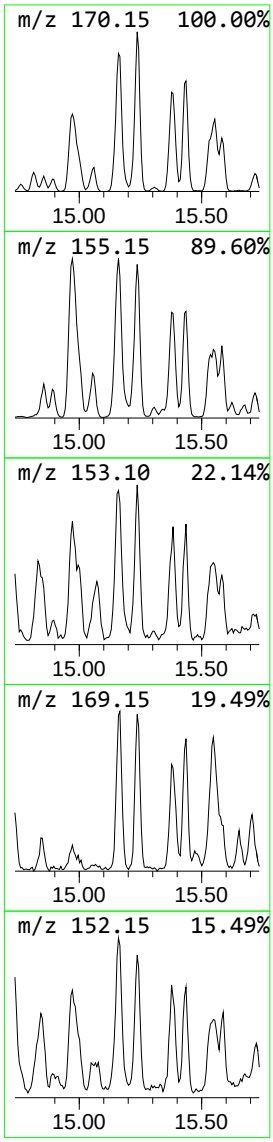
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Naphthalene, 1,4,6-trimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.236 | 17.90 ng | 606315 | Acenaphthene-d10 | 14.766 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 97 |
| 2 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 96 |
| 3 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 96 |
| 4 | 1-(2,2-Dimethylcyclopropyl)-2-ph... | 170 | C13H14 | 1000294-91-1 | 94 |
| 5 | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14 | 002131-41-1 | 93 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

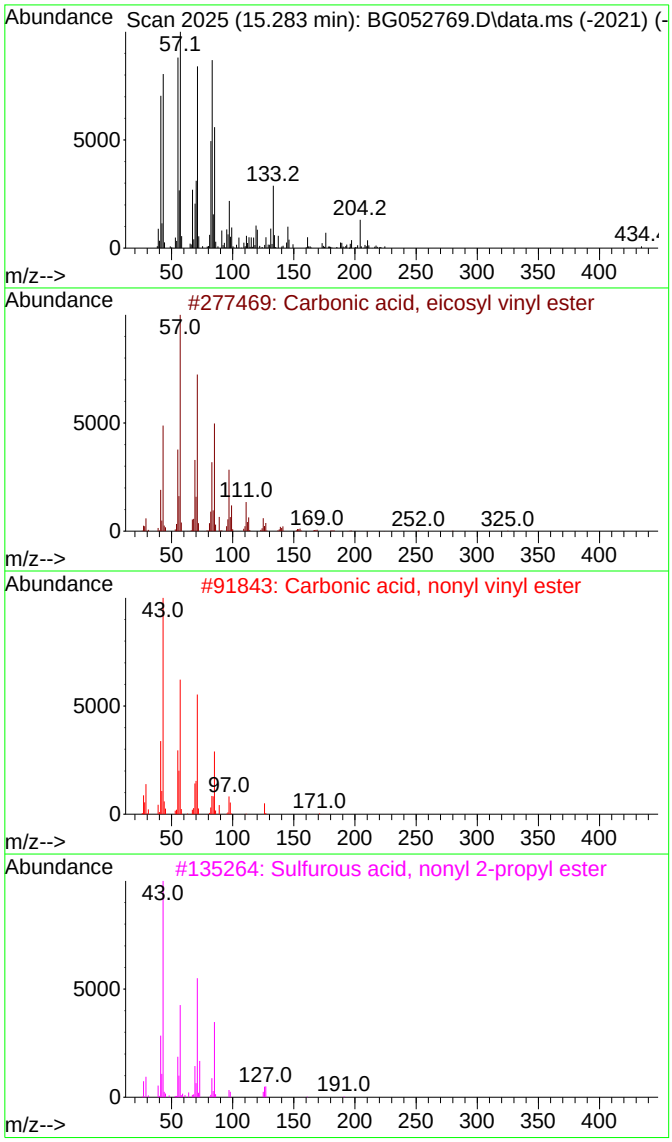
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

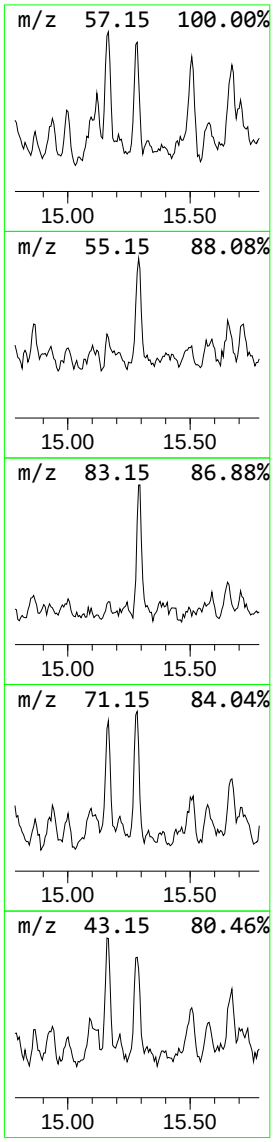
**********

Peak Number 13 unknown15.283 Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.283 | 18.44 ng | 624481 | Acenaphthene-d10 | 14.766 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Carbonic acid, eicosyl vinyl ester | 368 | C23H44O3 | 1000382-54-3 | 38 |
| 2 | Carbonic acid, nonyl vinyl ester | 214 | C12H22O3 | 1000383-25-6 | 38 |
| 3 | Sulfurous acid, nonyl 2-propyl e... | 250 | C12H26O3S | 1000309-12-0 | 27 |
| 4 | Sulfurous acid, decyl 2-propyl e... | 264 | C13H28O3S | 1000309-12-1 | 27 |
| 5 | 1,3-Dimethylcyclopentanol | 114 | C7H14O | 019550-46-0 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

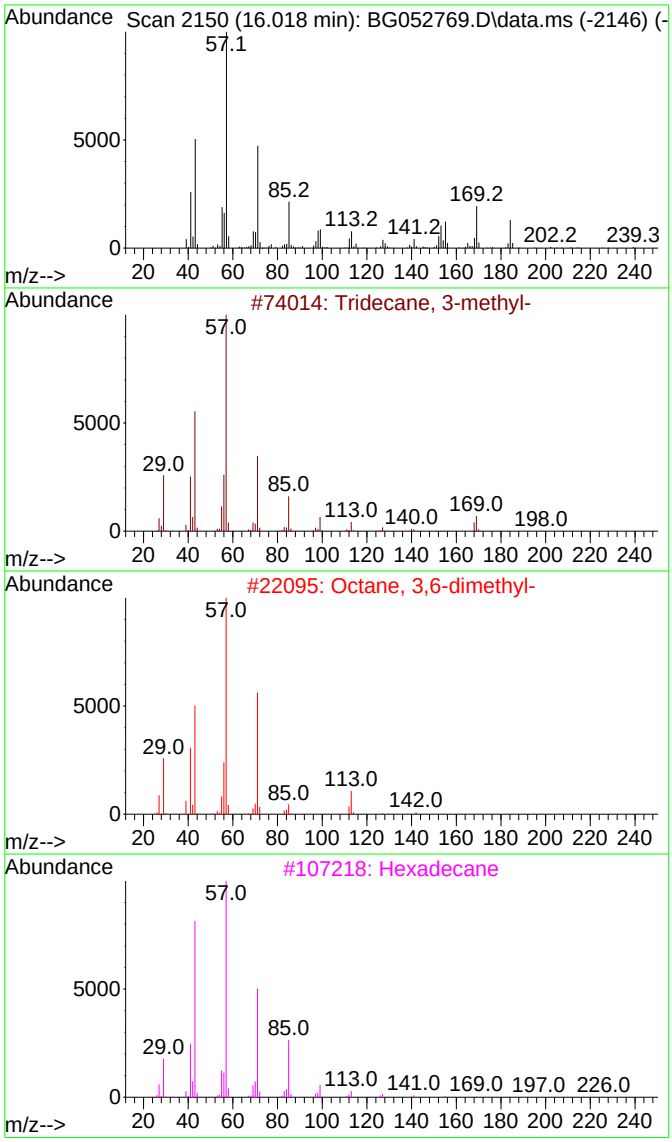
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

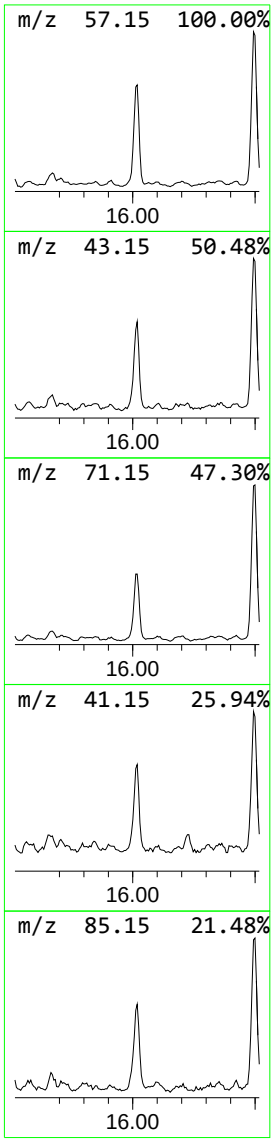
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 Tridecane, 3-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.018 | 31.64 ng | 1071490 | Acenaphthene-d10 | 14.766 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 3-methyl- | 198 | C14H30 | 006418-41-3 | 50 |
| 2 | Octane, 3,6-dimethyl- | 142 | C10H22 | 015869-94-0 | 46 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 46 |
| 4 | Octane, 2-methyl- | 128 | C9H20 | 003221-61-2 | 46 |
| 5 | Hexadecane, 3-methyl- | 240 | C17H36 | 006418-43-5 | 41 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

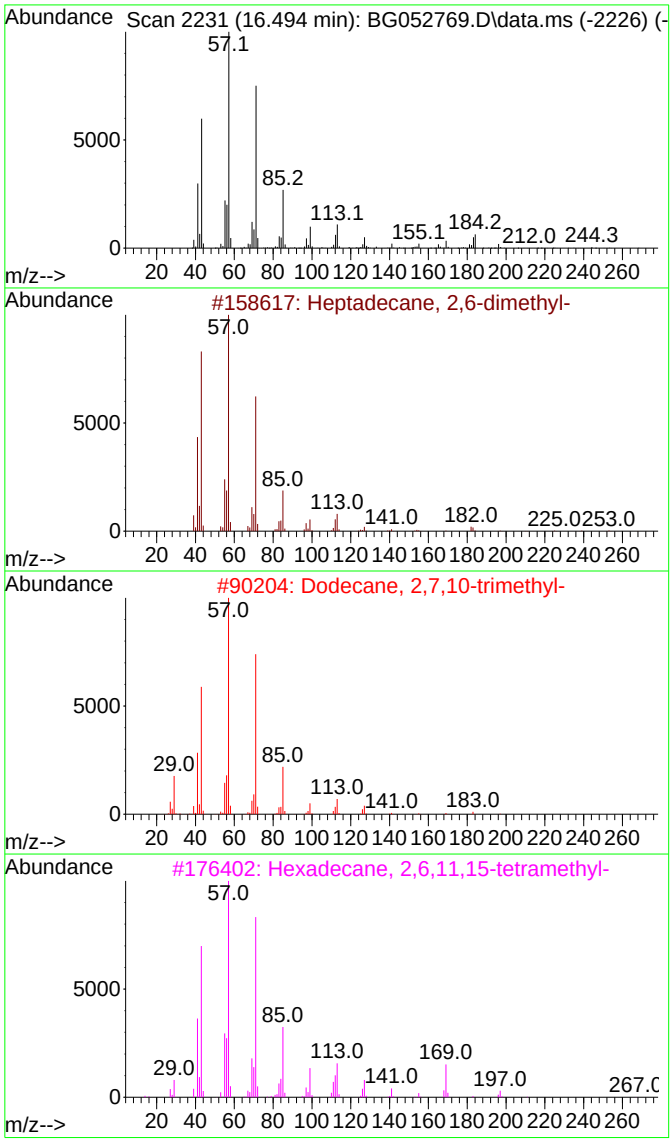
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

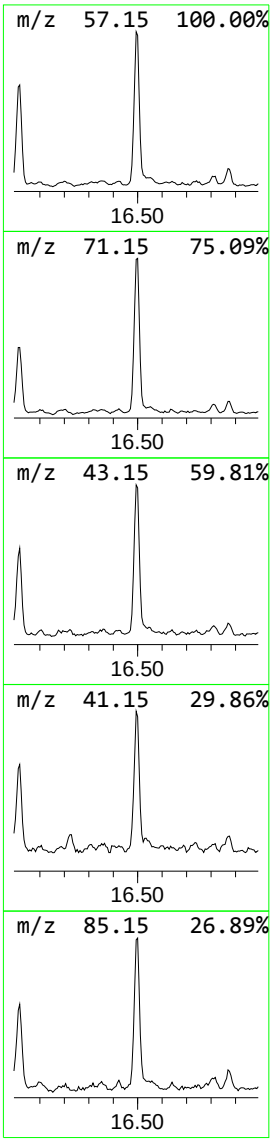
**********

Peak Number 17 Heptadecane, 2,6-dimethyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.494 | 44.74 ng | 1868070 | Phenanthrene-d10 | 17.510 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 2,6-dimethyl- | 268 | C19H40 | 054105-67-8 | 93 |
| 2 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 87 |
| 3 | Hexadecane, 2,6,11,15-tetramethyl- | 282 | C20H42 | 000504-44-9 | 74 |
| 4 | Tridecane | 184 | C13H28 | 000629-50-5 | 64 |
| 5 | Sulfurous acid, 2-ethylhexyl non... | 320 | C17H36O3S | 1010309-19-2 | 58 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

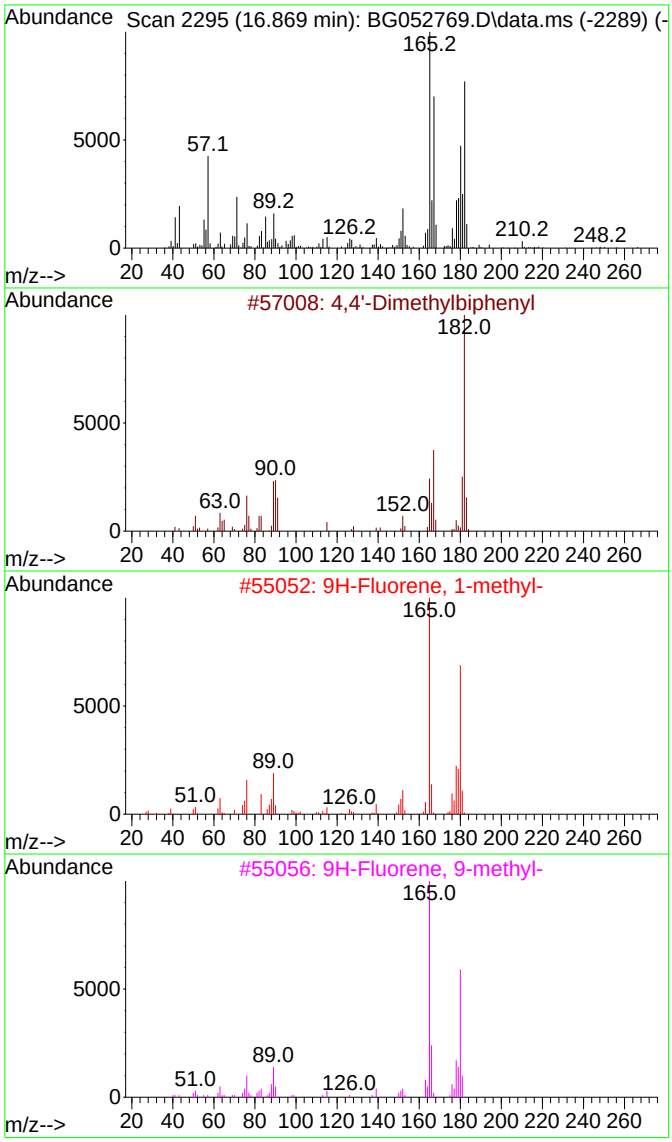
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

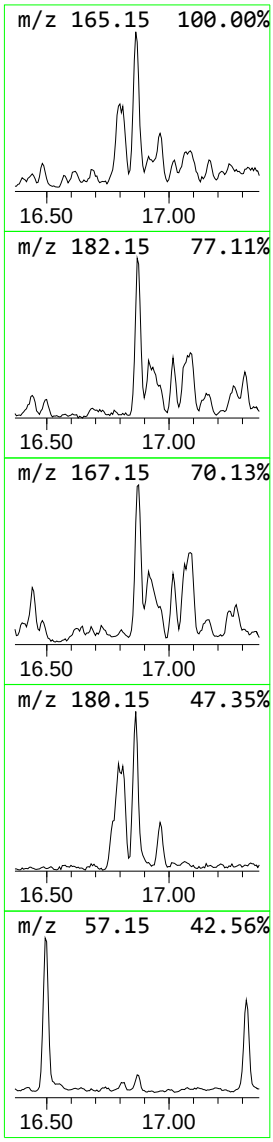
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 4,4'-Dimethylbiphenyl Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.869 | 17.22 ng | 719016 | Phenanthrene-d10 | 17.510 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4,4'-Dimethylbiphenyl | 182 | C14H14 | 000613-33-2 | 64 |
| 2 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 49 |
| 3 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 46 |
| 4 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 46 |
| 5 | 3,3'-Dimethylbiphenyl | 182 | C14H14 | 000612-75-9 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

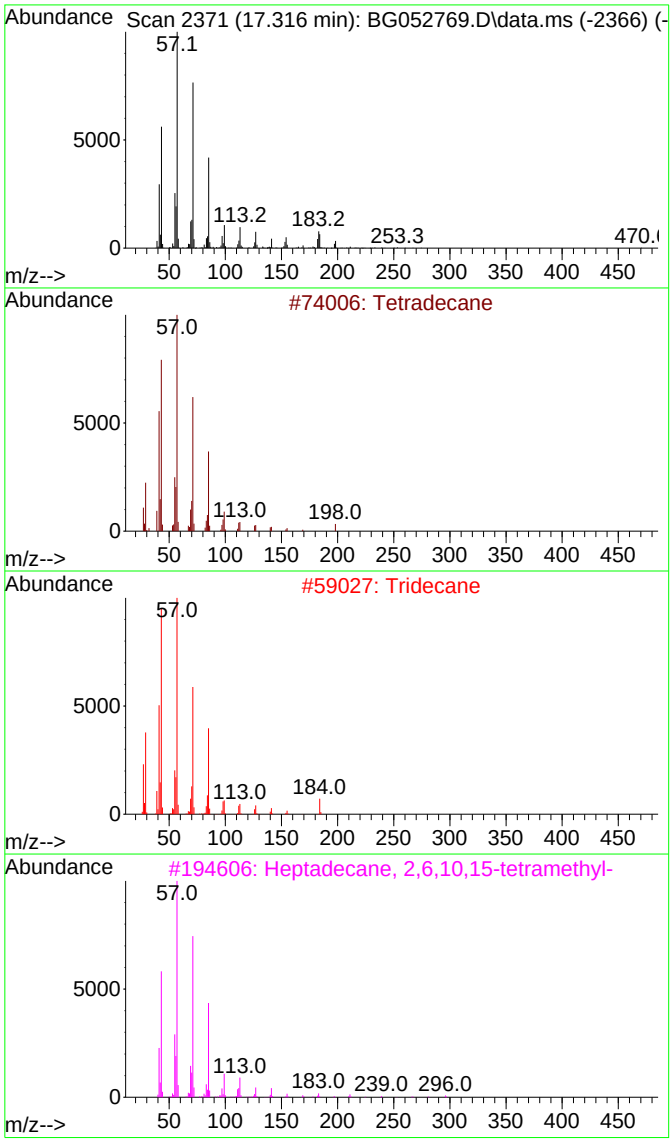
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

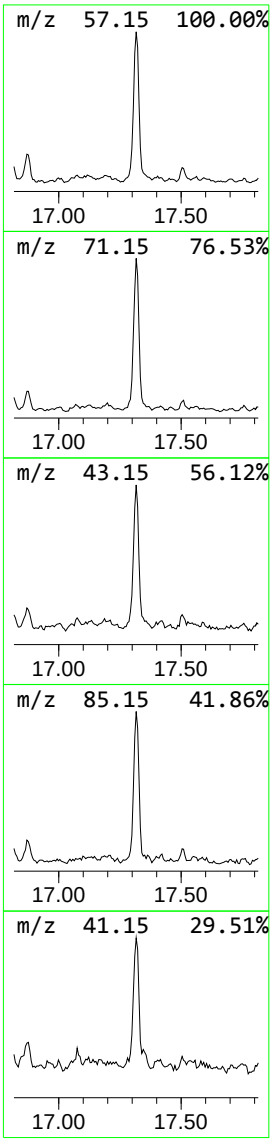
**********

Peak Number 19 Tetradecane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.316 | 34.03 ng | 1420650 | Phenanthrene-d10 | 17.510 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 90 |
| 3 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 87 |
| 4 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 86 |
| 5 | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

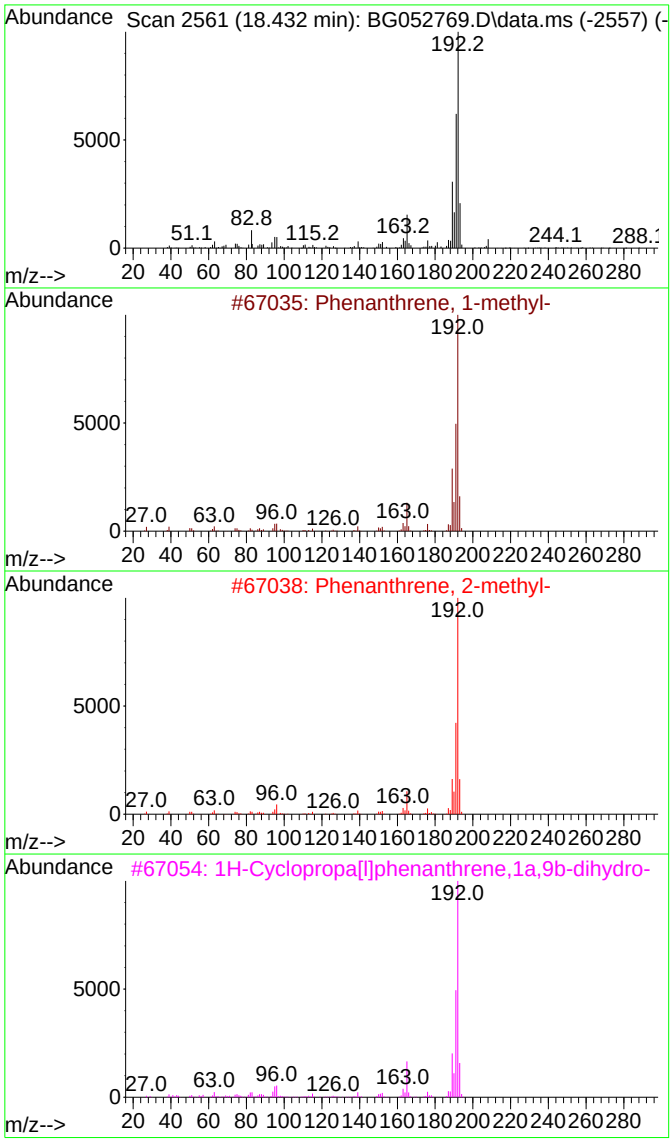
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

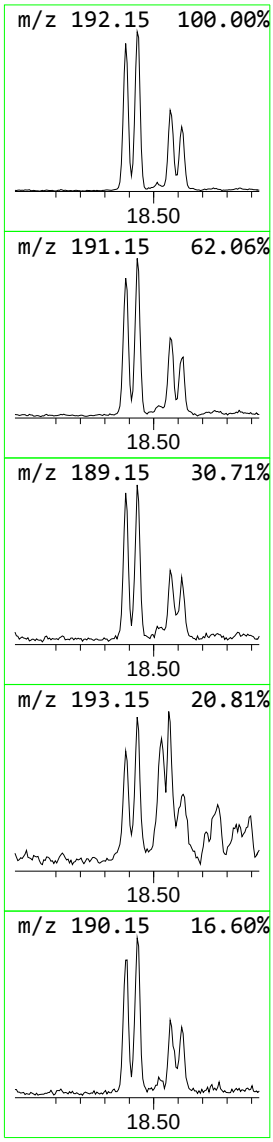
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 20 Phenanthrene, 1-methyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.432 | 14.96 ng | 624396 | Phenanthrene-d10 | 17.510 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 93 |
| 5 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG032122\
Data File : BG052769.D
Acq On : 21 Mar 2022 15:52
Operator : CG/JU
Sample : N1708-18 20X
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
PPSP-B10-25.5-26.0

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Naphthalene, 1,... | 12.146 | 17.0 | ng | 996714 | 2 | 10.960 | 1173440 | 20.0 |
| Nonane, 3,7-dim... | 13.316 | 28.4 | ng | 960273 | 3 | 14.766 | 677364 | 20.0 |
| Naphthalene, 1,... | 13.715 | 15.2 | ng | 513996 | 3 | 14.766 | 677364 | 20.0 |
| Naphthalene, 1,... | 13.932 | 54.2 | ng | 1836990 | 3 | 14.766 | 677364 | 20.0 |
| Naphthalene, 2,... | 14.091 | 57.7 | ng | 1953540 | 3 | 14.766 | 677364 | 20.0 |
| Pentadecane, 7-... | 14.249 | 22.4 | ng | 759126 | 3 | 14.766 | 677364 | 20.0 |
| Naphthalene, 2,... | 14.326 | 30.1 | ng | 1017820 | 3 | 14.766 | 677364 | 20.0 |
| Naphthalene, 2,... | 14.972 | 29.8 | ng | 1010560 | 3 | 14.766 | 677364 | 20.0 |
| Naphthalene, 1,... | 15.160 | 27.8 | ng | 940414 | 3 | 14.766 | 677364 | 20.0 |
| Naphthalene, 1,... | 15.236 | 17.9 | ng | 606315 | 3 | 14.766 | 677364 | 20.0 |
| unknown15.283 | 15.283 | 18.4 | ng | 624481 | 3 | 14.766 | 677364 | 20.0 |
| Tridecane, 3-me... | 16.018 | 31.6 | ng | 1071490 | 3 | 14.766 | 677364 | 20.0 |
| Heptadecane, 2,... | 16.494 | 44.7 | ng | 1868070 | 4 | 17.510 | 834990 | 20.0 |
| 4,4'-Dimethylbi... | 16.869 | 17.2 | ng | 719016 | 4 | 17.510 | 834990 | 20.0 |
| Tetradecane | 17.316 | 34.0 | ng | 1420650 | 4 | 17.510 | 834990 | 20.0 |
| Phenanthrene, 1... | 18.432 | 15.0 | ng | 624396 | 4 | 17.510 | 834990 | 20.0 |