LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

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-BG013020.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 | 4.457 | 228 | 233 | 243 | rVB | 1452977 | 3024445 | 9.33% | 0.393% |
| 2 | 5.373 | 379 | 389 | 392 | rBV4 | 1082252 | 2519720 | 7.77% | 0.327% |
| 3 | 5.503 | 404 | 411 | 422 | rVB2 | 2522024 | 5425443 | 16.74% | 0.704% |
| 4 | 6.202 | 522 | 530 | 538 | rBV4 | 1455134 | 3740435 | 11.54% | 0.486% |
| 5 | 6.419 | 560 | 567 | 574 | rBV5 | 1501523 | 3860766 | 11.91% | 0.501% |
| 6 | 6.490 | 574 | 579 | 584 | rBV | 2007552 | 3175049 | 9.79% | 0.412% |
| 7 | 6.566 | 584 | 592 | 596 | rBV3 | 2139928 | 4848630 | 14.96% | 0.630% |
| 8 | 6.824 | 629 | 636 | 643 | rBV4 | 1027816 | 2505086 | 7.73% | 0.325% |
| 9 | 6.924 | 643 | 653 | 658 | rBV3 | 2213470 | 6178403 | 19.06% | 0.802% |
| 10 | 6.983 | 658 | 663 | 667 | rVV | 1716180 | 2583248 | 7.97% | 0.335% |
| 11 | 7.089 | 673 | 681 | 694 | rVB3 | 3624752 | 8767227 | 27.05% | 1.138% |
| 12 | 7.418 | 734 | 737 | 746 | rVB4 | 1068293 | 2160986 | 6.67% | 0.281% |
| 13 | 7.494 | 746 | 750 | 762 | rVB5 | 1035094 | 2749855 | 8.48% | 0.357% |
| 14 | 7.753 | 789 | 794 | 803 | rBV7 | 605605 | 2277123 | 7.02% | 0.296% |
| 15 | 7.917 | 816 | 822 | 828 | rVB | 4082510 | 7629132 | 23.54% | 0.991% |
| 16 | 8.011 | 828 | 838 | 840 | rBV4 | 1089354 | 2509465 | 7.74% | 0.326% |
| 17 | 8.047 | 840 | 844 | 852 | rVB2 | 1240408 | 2509480 | 7.74% | 0.326% |
| 18 | 8.229 | 866 | 875 | 882 | rBV5 | 2836607 | 8186833 | 25.26% | 1.063% |
| 19 | 8.293 | 882 | 886 | 892 | rVB3 | 1186382 | 2328053 | 7.18% | 0.302% |
| 20 | 8.470 | 912 | 916 | 923 | rVB2 | 1793534 | 3563297 | 10.99% | 0.463% |
| 21 | 8.605 | 935 | 939 | 949 | rVB | 3173312 | 6706701 | 20.69% | 0.871% |
| 22 | 8.711 | 951 | 957 | 960 | rBV | 2909541 | 5429822 | 16.75% | 0.705% |
| 23 | 9.045 | 1004 | 1014 | 1023 | rBV4 | 4991617 | 15052975 | 46.44% | 1.954% |
| 24 | 9.139 | 1023 | 1030 | 1038 | rVB4 | 1977584 | 6088890 | 18.78% | 0.791% |
| 25 | 9.292 | 1046 | 1056 | 1063 | rBV10 | 3286917 | 11018556 | 33.99% | 1.431% |
| 26 | 9.374 | 1063 | 1070 | 1073 | rBV2 | 2059160 | 4644193 | 14.33% | 0.603% |
| 27 | 9.598 | 1105 | 1108 | 1113 | rVB2 | 1947426 | 2921686 | 9.01% | 0.379% |
| 28 | 9.662 | 1114 | 1119 | 1125 | rVB4 | 2480691 | 4646912 | 14.34% | 0.603% |
| 29 | 9.827 | 1141 | 1147 | 1151 | rBV4 | 1996292 | 4116668 | 12.70% | 0.535% |
| 30 | 9.874 | 1151 | 1155 | 1159 | rBV2 | 2189417 | 3217962 | 9.93% | 0.418% |
| 31 | 9.927 | 1159 | 1164 | 1170 | rVB7 | 3249607 | 5723621 | 17.66% | 0.743% |
| 32 | 10.027 | 1171 | 1181 | 1186 | rVB5 | 3080413 | 9711071 | 29.96% | 1.261% |
| 33 | 10.103 | 1189 | 1194 | 1196 | rBV | 2640753 | 4273865 | 13.18% | 0.555% |
| 34 | 10.144 | 1196 | 1201 | 1204 | rVV3 | 2880027 | 5178725 | 15.98% | 0.672% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

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-BG013020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 10.185 | 1204 | 1208 | 1217 | rVB4 | 4477777 | 10361530 | 31.96% | 1.345% |
| 36 | 10.285 | 1220 | 1225 | 1229 | rBV2 | 3133919 | 5368792 | 16.56% | 0.697% |
| 37 | 10.444 | 1247 | 1252 | 1257 | rBV | 1995085 | 3735050 | 11.52% | 0.485% |
| 38 | 10.614 | 1277 | 1281 | 1284 | rBV2 | 2024225 | 3395356 | 10.47% | 0.441% |
| 39 | 10.655 | 1284 | 1288 | 1292 | rVV3 | 2828836 | 5003530 | 15.44% | 0.650% |
| 40 | 10.726 | 1294 | 1300 | 1305 | rVV5 | 5470221 | 12130533 | 37.42% | 1.575% |
| 41 | 10.790 | 1306 | 1311 | 1316 | rVV3 | 4998814 | 10365874 | 31.98% | 1.346% |
| 42 | 10.867 | 1320 | 1324 | 1328 | rVB3 | 2611823 | 4518854 | 13.94% | 0.587% |
| 43 | 10.926 | 1328 | 1334 | 1338 | rBV | 5830297 | 10296539 | 31.76% | 1.337% |
| 44 | 11.043 | 1351 | 1354 | 1360 | rVB2 | 2154837 | 3481117 | 10.74% | 0.452% |
| 45 | 11.249 | 1385 | 1389 | 1394 | rVB3 | 1616547 | 2516756 | 7.76% | 0.327% |
| 46 | 11.454 | 1421 | 1424 | 1429 | rVV2 | 3875478 | 6441444 | 19.87% | 0.836% |
| 47 | 11.525 | 1433 | 1436 | 1442 | rVB | 2977564 | 5135388 | 15.84% | 0.667% |
| 48 | 11.601 | 1444 | 1449 | 1454 | rBV3 | 2669670 | 4602426 | 14.20% | 0.598% |
| 49 | 11.684 | 1455 | 1463 | 1469 | rVB4 | 3540720 | 9755189 | 30.09% | 1.267% |
| 50 | 11.801 | 1475 | 1483 | 1488 | rBV3 | 9059248 | 21928446 | 67.65% | 2.847% |
| 51 | 11.942 | 1502 | 1507 | 1515 | rVB3 | 4470037 | 8883225 | 27.40% | 1.153% |
| 52 | 12.412 | 1579 | 1587 | 1594 | rVB3 | 9927661 | 32415750 | 100.00% | 4.209% |
| 53 | 12.641 | 1618 | 1626 | 1629 | rBV2 | 7214310 | 17977289 | 55.46% | 2.334% |
| 54 | 12.817 | 1651 | 1656 | 1659 | rBV3 | 2592322 | 4912991 | 15.16% | 0.638% |
| 55 | 12.864 | 1660 | 1664 | 1670 | rVV4 | 3550913 | 7889729 | 24.34% | 1.024% |
| 56 | 12.923 | 1670 | 1674 | 1680 | rVV5 | 3043926 | 5273034 | 16.27% | 0.685% |
| 57 | 13.088 | 1697 | 1702 | 1706 | rBV5 | 3780353 | 7577268 | 23.38% | 0.984% |
| 58 | 13.147 | 1706 | 1712 | 1716 | rVV2 | 8384708 | 17068000 | 52.65% | 2.216% |
| 59 | 13.199 | 1717 | 1721 | 1725 | rVB2 | 3667945 | 5817104 | 17.95% | 0.755% |
| 60 | 13.382 | 1749 | 1752 | 1761 | rVB6 | 2308562 | 6497572 | 20.04% | 0.844% |
| 61 | 13.458 | 1761 | 1765 | 1768 | rBV | 2843958 | 4493949 | 13.86% | 0.583% |
| 62 | 13.528 | 1773 | 1777 | 1783 | rBV5 | 4238517 | 7882379 | 24.32% | 1.023% |
| 63 | 13.599 | 1785 | 1789 | 1791 | rBV3 | 2973340 | 4841020 | 14.93% | 0.629% |
| 64 | 13.763 | 1809 | 1817 | 1818 | rBV6 | 9175603 | 18434620 | 56.87% | 2.394% |
| 65 | 13.934 | 1837 | 1846 | 1850 | rBV3 | 8253263 | 23308005 | 71.90% | 3.026% |
| 66 | 13.987 | 1850 | 1855 | 1859 | rVB4 | 8162577 | 16436459 | 50.71% | 2.134% |
| 67 | 14.040 | 1859 | 1864 | 1868 | rBV2 | 5835376 | 10424447 | 32.16% | 1.354% |
| 68 | 14.092 | 1869 | 1873 | 1877 | rVB2 | 6267499 | 11078000 | 34.17% | 1.438% |
| 69 | 14.157 | 1880 | 1884 | 1888 | rVV3 | 3353890 | 5346235 | 16.49% | 0.694% |
| 70 | 14.316 | 1904 | 1911 | 1923 | rBV7 | 3384384 | 13258767 | 40.90% | 1.722% |
| 71 | 14.433 | 1927 | 1931 | 1937 | rVB3 | 5970833 | 9614649 | 29.66% | 1.248% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

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-BG013020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 14.568 | 1948 | 1954 | 1961 | rBV5 | 6456900 | 14909931 | 46.00% | 1.936% |
| 73 | 14.809 | 1988 | 1995 | 2003 | rVB2 | 5871595 | 17683278 | 54.55% | 2.296% |
| 74 | 14.880 | 2004 | 2007 | 2011 | rBV3 | 2040246 | 2557319 | 7.89% | 0.332% |
| 75 | 14.997 | 2024 | 2027 | 2032 | rVB3 | 8507406 | 13931639 | 42.98% | 1.809% |
| 76 | 15.080 | 2033 | 2041 | 2045 | rVV2 | 6597865 | 13550806 | 41.80% | 1.759% |
| 77 | 15.127 | 2045 | 2049 | 2056 | rVB5 | 5318993 | 9209328 | 28.41% | 1.196% |
| 78 | 15.215 | 2059 | 2064 | 2068 | rVV | 5566864 | 10570434 | 32.61% | 1.372% |
| 79 | 15.268 | 2069 | 2073 | 2077 | rVB | 6311463 | 10265884 | 31.67% | 1.333% |
| 80 | 15.550 | 2117 | 2121 | 2128 | rVB4 | 3812403 | 6932254 | 21.39% | 0.900% |
| 81 | 15.632 | 2131 | 2135 | 2138 | rVV2 | 3932441 | 5564291 | 17.17% | 0.722% |
| 82 | 15.679 | 2139 | 2143 | 2148 | rVV3 | 2963175 | 6037310 | 18.62% | 0.784% |
| 83 | 15.802 | 2160 | 2164 | 2167 | rBV4 | 2389332 | 3830375 | 11.82% | 0.497% |
| 84 | 15.855 | 2168 | 2173 | 2179 | rVB2 | 7977667 | 15432894 | 47.61% | 2.004% |
| 85 | 16.014 | 2195 | 2200 | 2202 | rBV4 | 2032531 | 3635148 | 11.21% | 0.472% |
| 86 | 16.061 | 2203 | 2208 | 2218 | rVB6 | 4179263 | 12256024 | 37.81% | 1.591% |
| 87 | 16.149 | 2219 | 2223 | 2227 | rVV4 | 2613442 | 4158869 | 12.83% | 0.540% |
| 88 | 16.343 | 2246 | 2256 | 2263 | rBV2 | 9025592 | 25043053 | 77.26% | 3.252% |
| 89 | 16.443 | 2270 | 2273 | 2277 | rVB2 | 2382003 | 3441948 | 10.62% | 0.447% |
| 90 | 16.695 | 2311 | 2316 | 2321 | rBV5 | 4467073 | 8078209 | 24.92% | 1.049% |
| 91 | 16.842 | 2337 | 2341 | 2344 | rBV3 | 1729566 | 3041270 | 9.38% | 0.395% |
| 92 | 17.154 | 2389 | 2394 | 2403 | rVB3 | 8256991 | 17192452 | 53.04% | 2.232% |
| 93 | 17.371 | 2427 | 2431 | 2434 | rBV | 3045735 | 4385154 | 13.53% | 0.569% |
| 94 | 18.205 | 2568 | 2573 | 2576 | rBV | 3372747 | 5545170 | 17.11% | 0.720% |
| 95 | 18.252 | 2577 | 2581 | 2587 | rVB | 4418416 | 7343408 | 22.65% | 0.953% |
| 96 | 18.382 | 2601 | 2603 | 2607 | rVB | 2121452 | 2644297 | 8.16% | 0.343% |
| 97 | 19.110 | 2723 | 2727 | 2732 | rVB | 3426486 | 4903675 | 15.13% | 0.637% |
| 98 | 19.745 | 2832 | 2835 | 2840 | rVB | 1456356 | 2346534 | 7.24% | 0.305% |
| 99 | 19.803 | 2841 | 2845 | 2850 | rVB | 1729966 | 2541146 | 7.84% | 0.330% |
| 100 | 19.921 | 2861 | 2865 | 2870 | rVB | 3959874 | 5404518 | 16.67% | 0.702% |

Sum of corrected areas: 770178257

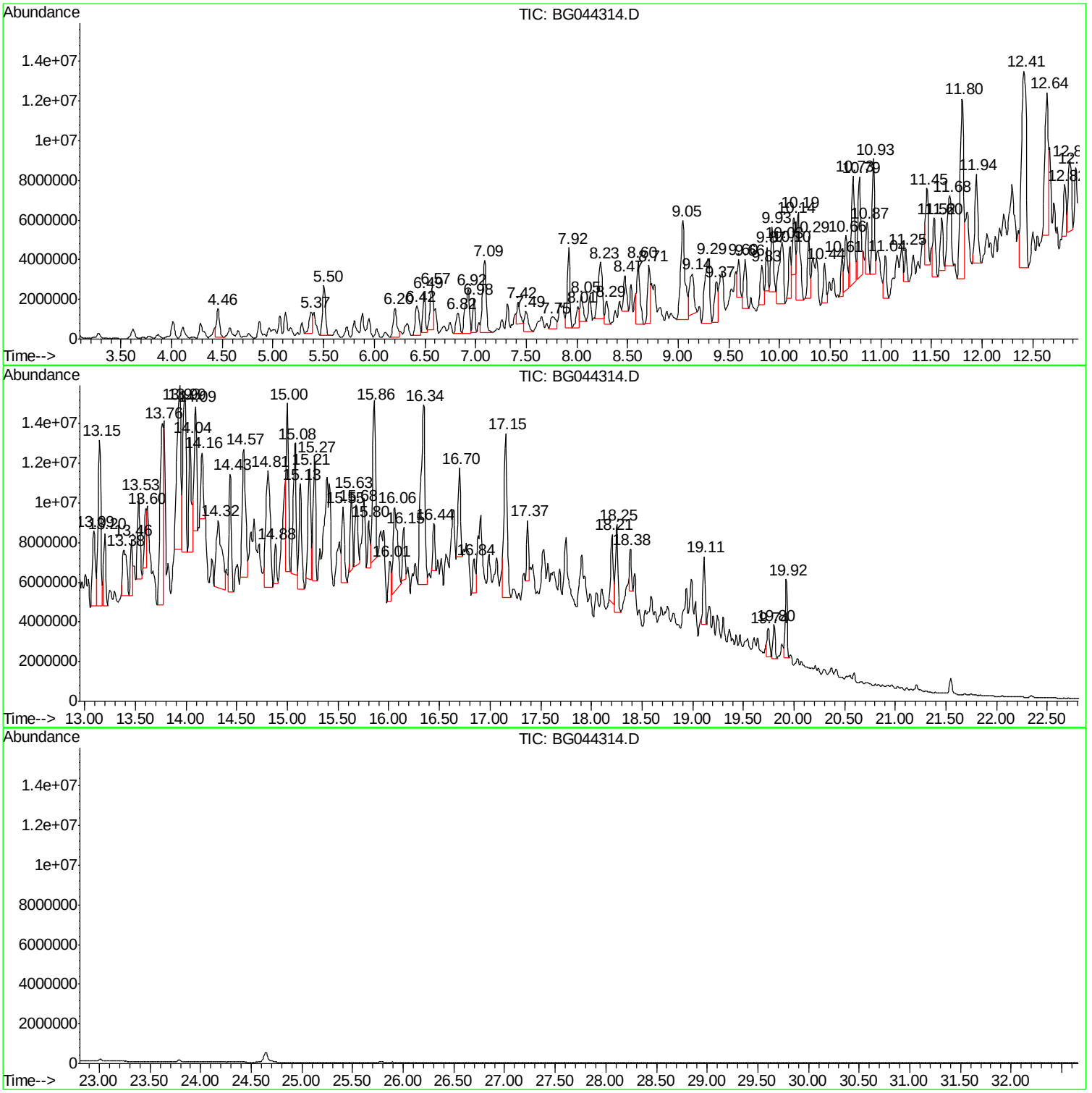
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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 G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

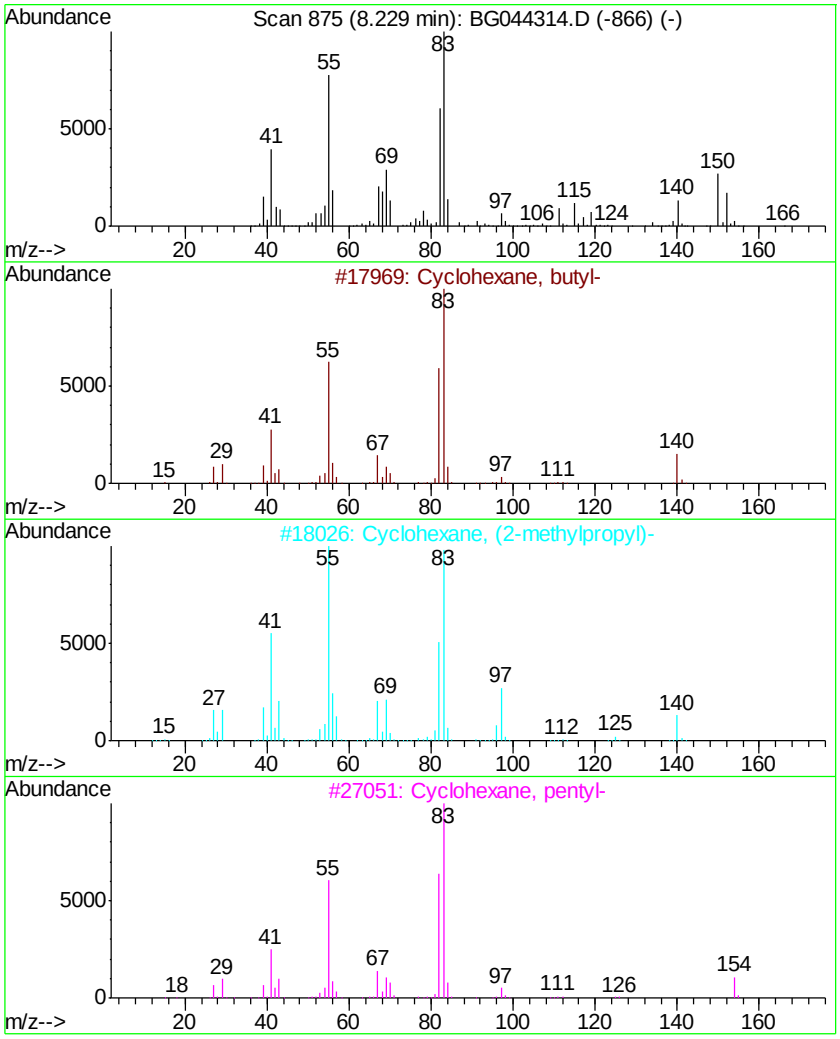
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

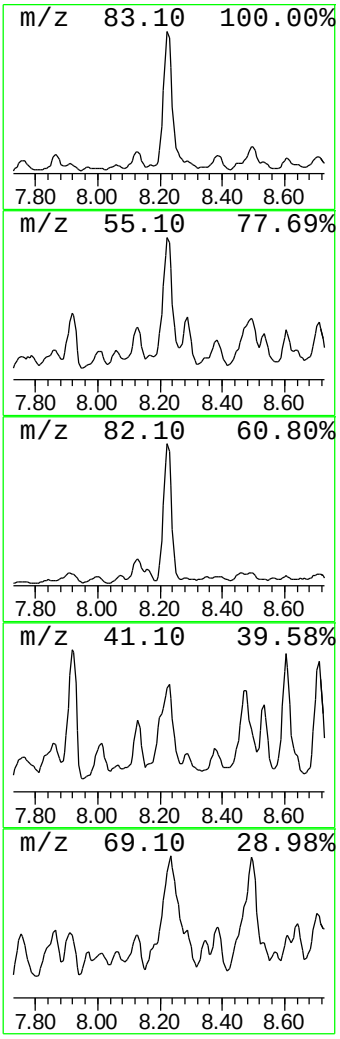
**********

Peak Number 1 Cyclohexane, butyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.23 | 21.46 ng | 8186830 | 1,4-Dichlorobenzene-d4 | 7.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, butyl- | 140 | C10H20 | 001678-93-9 | 81 |
| 2 | Cyclohexane, (2-methylpropyl)- | 140 | C10H20 | 001678-98-4 | 64 |
| 3 | Cyclohexane, pentyl- | 154 | C11H22 | 004292-92-6 | 64 |
| 4 | Cyclohexane, undecyl- | 238 | C17H34 | 054105-66-7 | 59 |
| 5 | Cyclohexane, octyl- | 196 | C14H28 | 001795-15-9 | 59 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

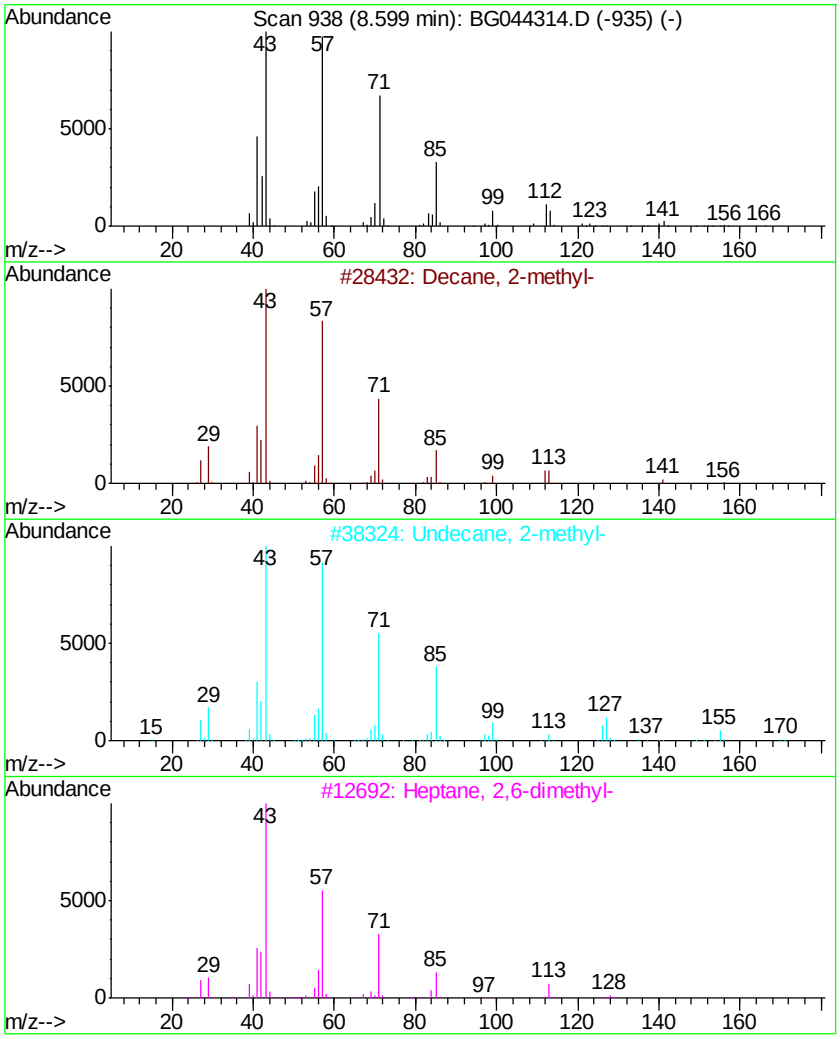
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

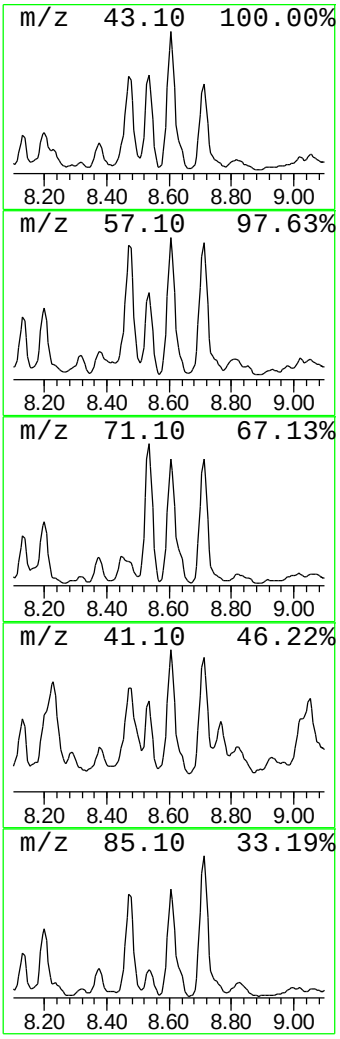
**********

Peak Number 2 Decane, 2-methyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.60 | 17.58 ng | 6706700 | 1,4-Dichlorobenzene-d4 | 7.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 87 |
| 2 | Undecane, 2-methyl- | 170 | C12H26 | 007045-71-8 | 72 |
| 3 | Heptane, 2,6-dimethyl- | 128 | C9H20 | 001072-05-5 | 64 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 59 |
| 5 | Octane, 2,3,7-trimethyl- | 156 | C11H24 | 062016-34-6 | 58 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

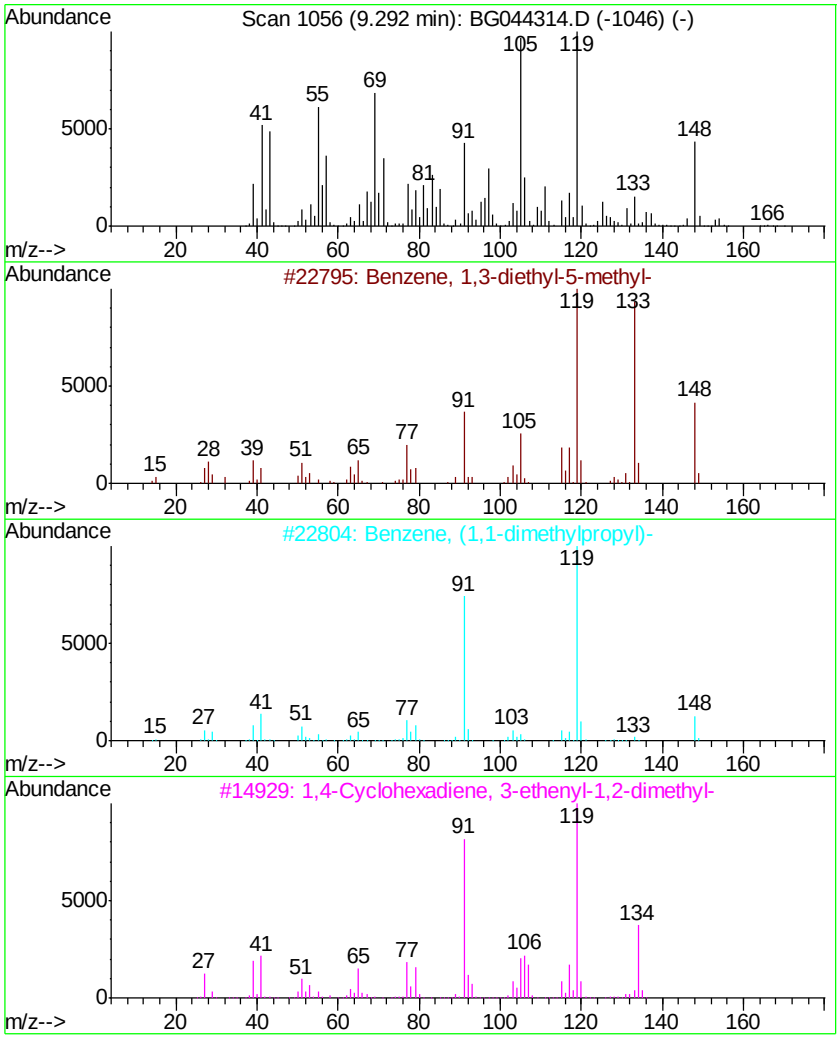
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

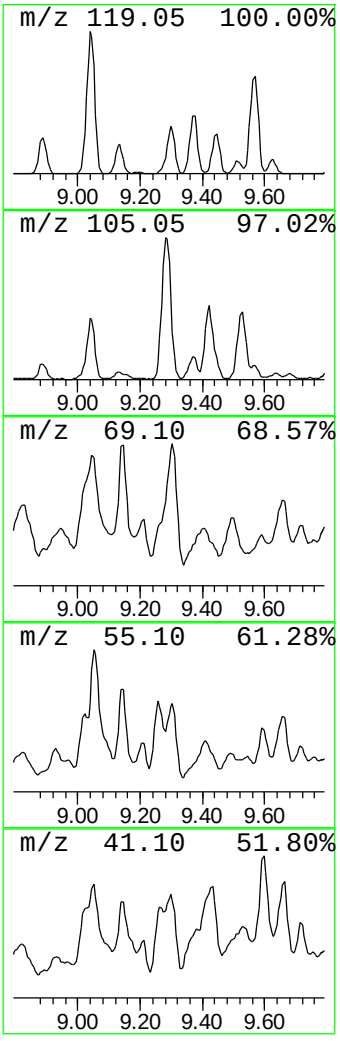
**********

Peak Number 3 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.29 | 28.89 ng | 11018600 | 1,4-Dichlorobenzene-d4 | 7.92 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-diethyl-5-methyl- | 148 | C11H16 | 002050-24-0 | 64 |
| 2 | Benzene, (1,1-dimethylpropyl)- | 148 | C11H16 | 002049-95-8 | 47 |
| 3 | 1,4-Cyclohexadiene, 3-ethenyl-1,... | 134 | C10H14 | 062338-57-2 | 45 |
| 4 | 2,5-Dimethylbenzyl chloride | 154 | C9H11Cl | 000824-45-3 | 42 |
| 5 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 38 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

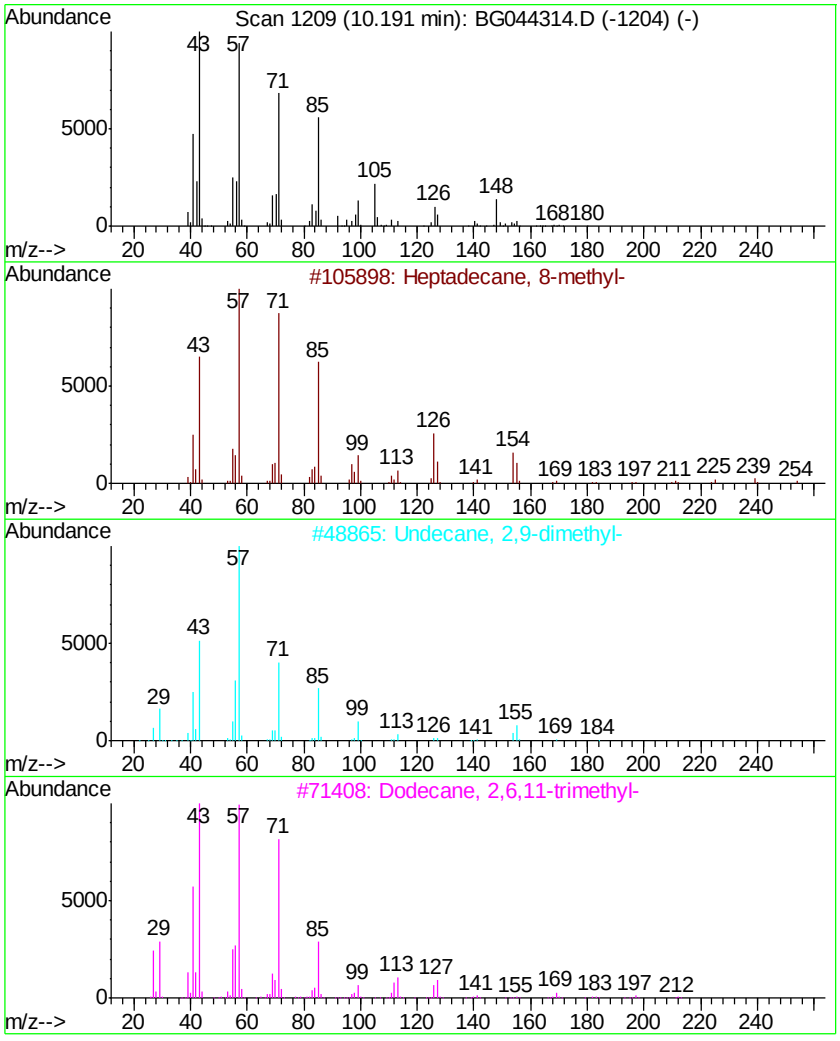
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

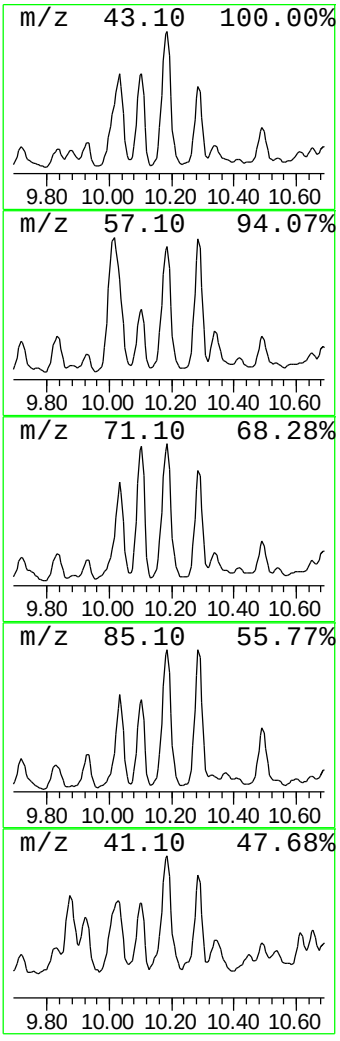
**********

Peak Number 4 Heptadecane, 8-methyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.19 | 17.08 ng | 10361500 | Naphthalene-d8 | 10.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 8-methyl- | 254 | C18H38 | 013287-23-5 | 58 |
| 2 | Undecane, 2,9-dimethyl- | 184 | C13H28 | 017301-26-7 | 58 |
| 3 | Dodecane, 2,6,11-trimethyl- | 212 | C15H32 | 031295-56-4 | 53 |
| 4 | Decane, 3,8-dimethyl- | 170 | C12H26 | 017312-55-9 | 53 |
| 5 | Undecane, 5-ethyl- | 184 | C13H28 | 017453-94-0 | 50 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

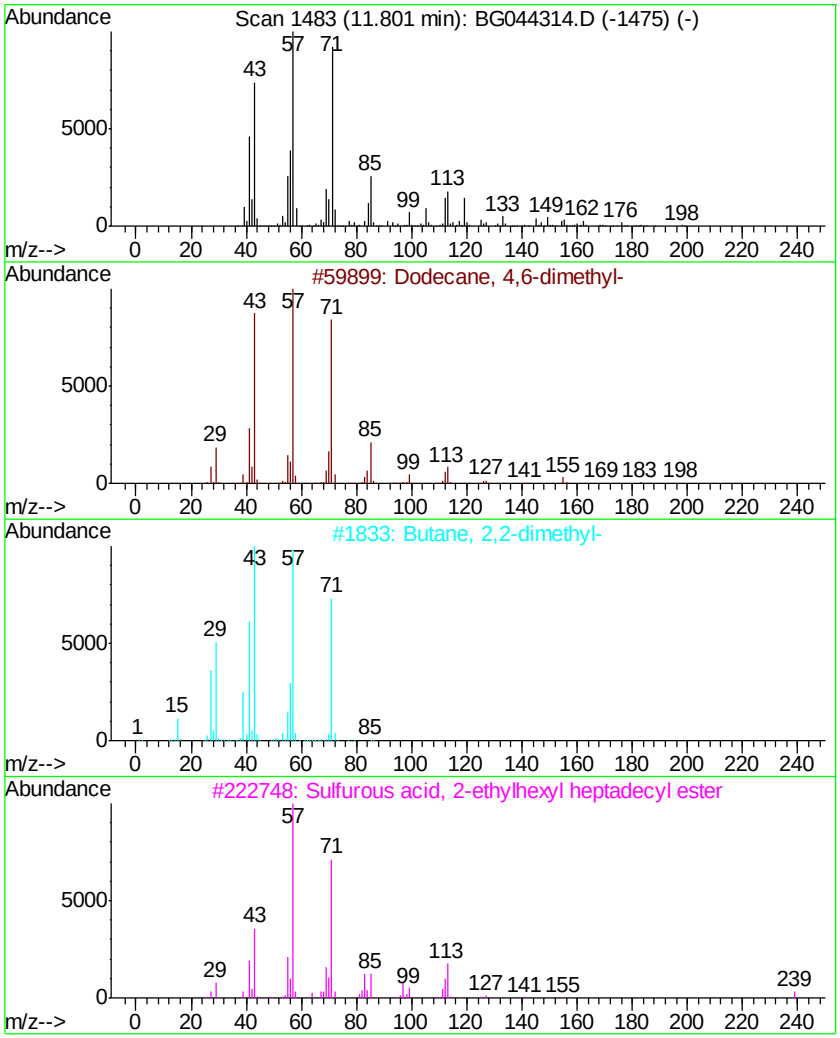
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

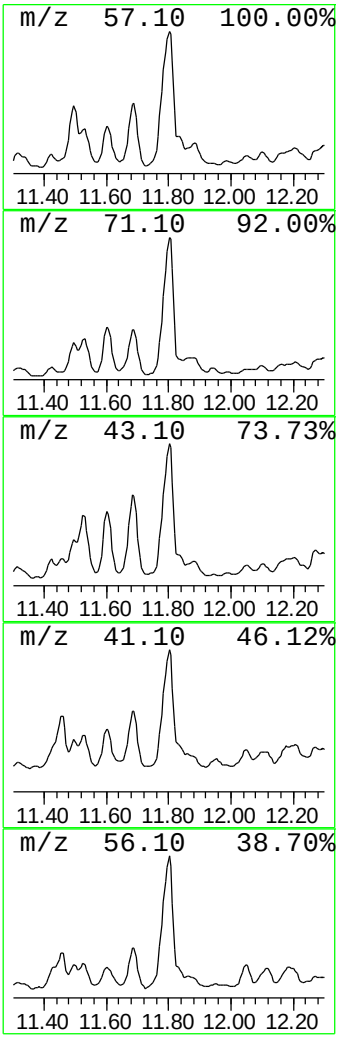
**********

Peak Number 5 Dodecane, 4,6-dimethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.80 | 36.15 ng | 21928400 | Naphthalene-d8 | 10.73 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 4,6-dimethyl- | 198 | C14H30 | 061141-72-8 | 70 |
| 2 | Butane, 2,2-dimethyl- | 86 | C6H14 | 000075-83-2 | 50 |
| 3 | Sulfurous acid, 2-ethylhexyl hep... | 432 | C25H52O3S | 1000309-20-0 | 50 |
| 4 | Heptane, 3-ethyl-5-methyl- | 142 | C10H22 | 052896-90-9 | 47 |
| 5 | Sulfurous acid, hexyl pentyl ester | 236 | C11H24O3S | 1000309-14-1 | 43 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

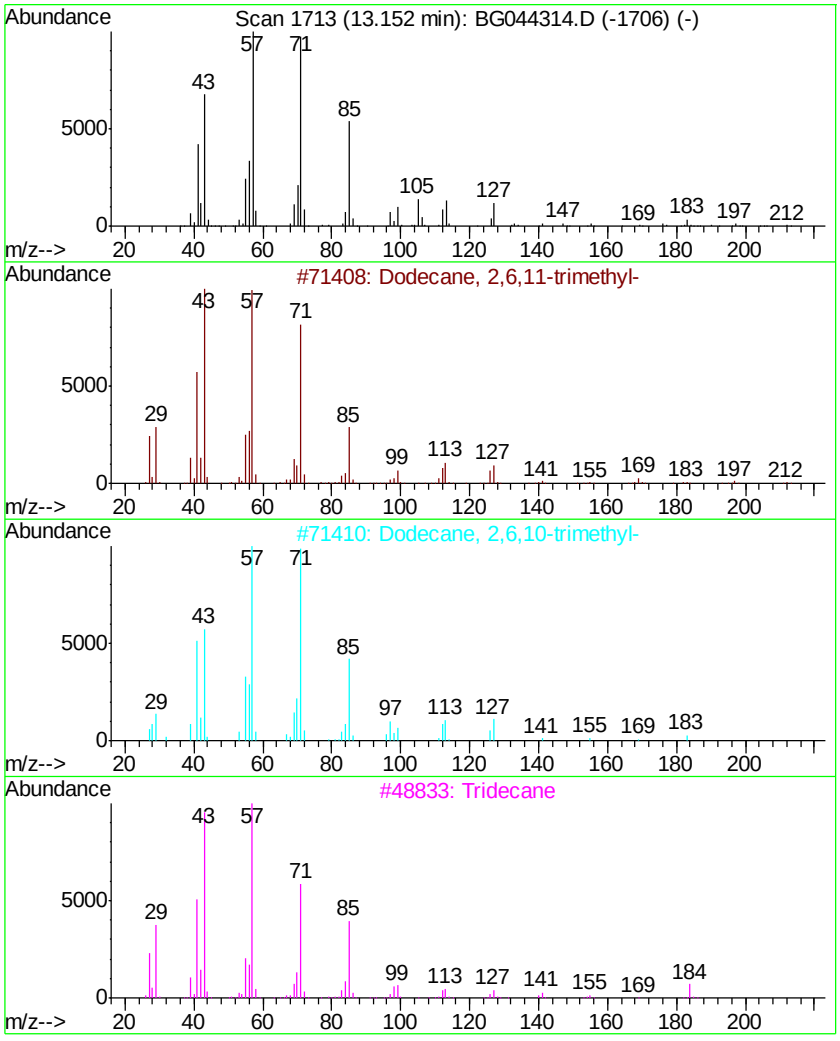
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

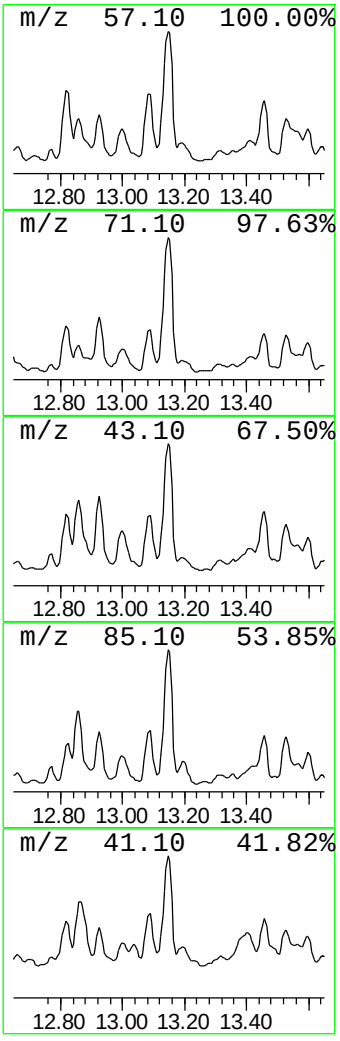
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.15 | 22.89 ng | 17068000 | Acenaphthene-d10 | 14.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 2,6,11-trimethyl- | 212 | C15H32 | 031295-56-4 | 89 |
| 2 | Dodecane, 2,6,10-trimethyl- | 212 | C15H32 | 003891-98-3 | 74 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 74 |
| 4 | Sulfurous acid, hexyl pentyl ester | 236 | C11H24O3S | 1000309-14-1 | 58 |
| 5 | Dodecane, 4,6-dimethyl- | 198 | C14H30 | 061141-72-8 | 58 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

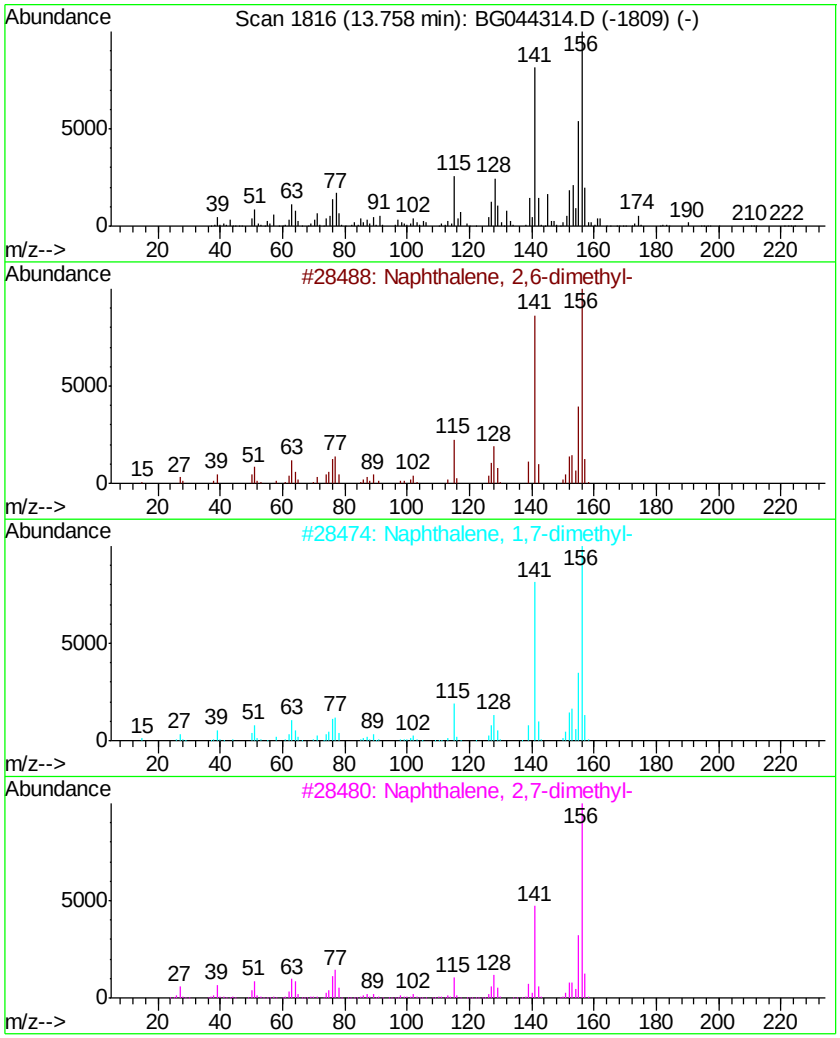
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

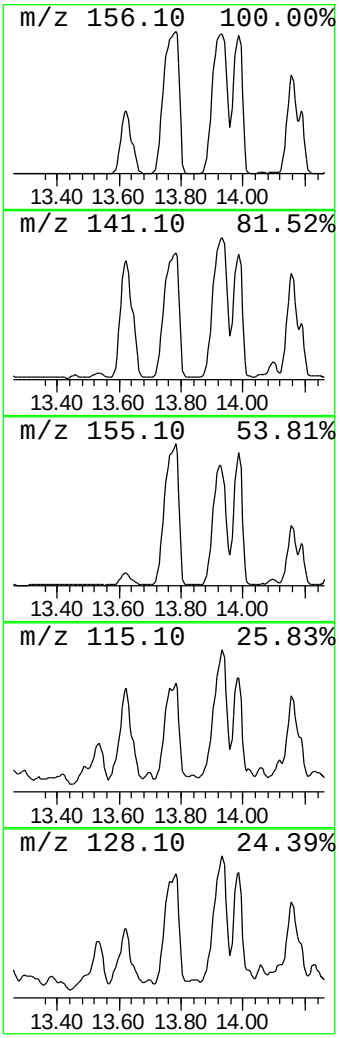
**********

Peak Number 7 Naphthalene, 2,6-dimethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.76 | 24.73 ng | 18434600 | Acenaphthene-d10 | 14.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 96 |
| 2 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 93 |
| 3 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 93 |
| 4 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 86 |
| 5 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 76 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

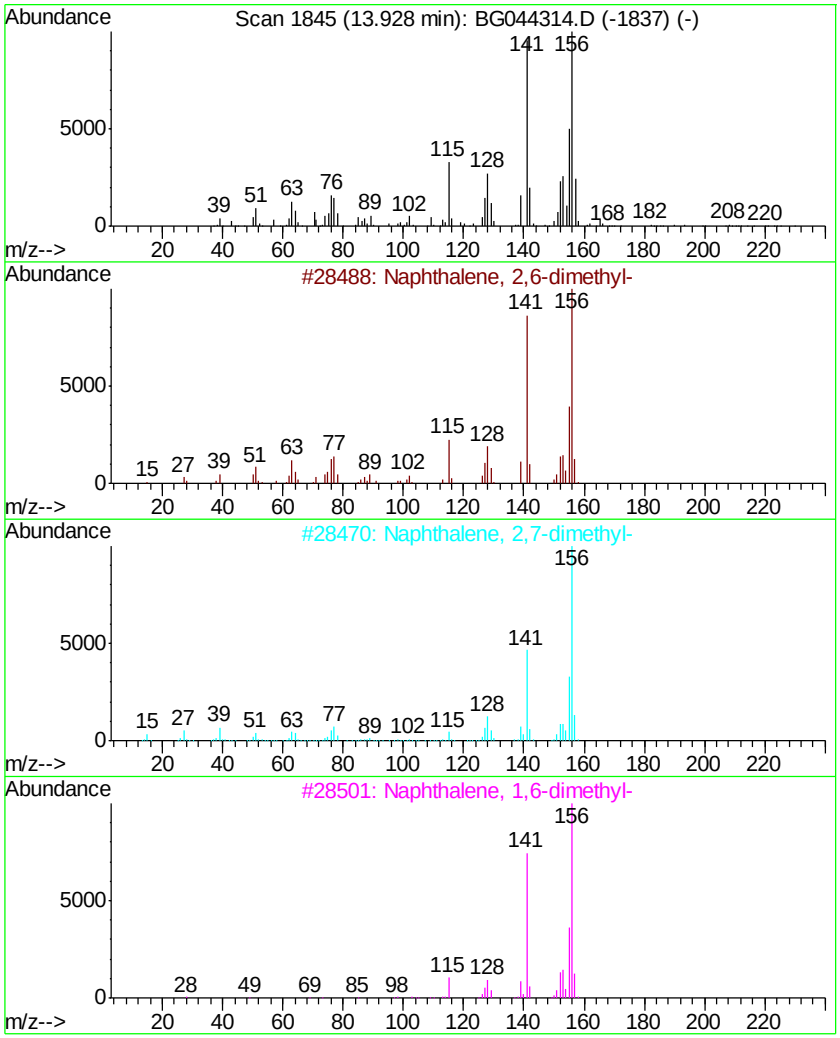
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

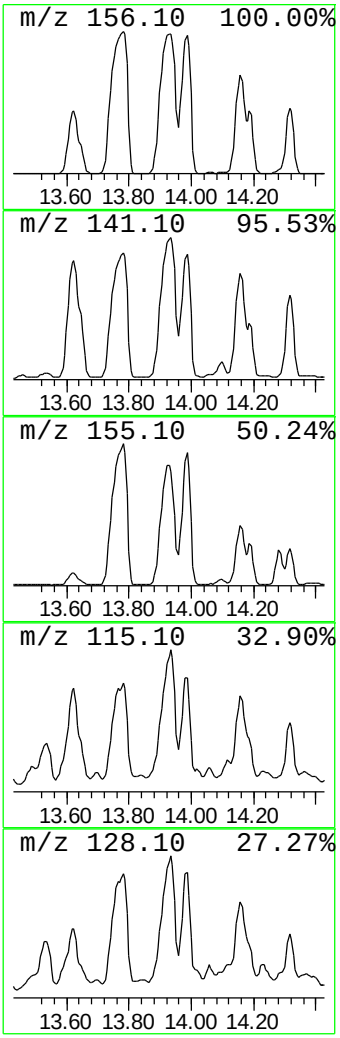
**********

Peak Number 8 Naphthalene, 2,7-dimethyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.93 | 31.27 ng | 23308000 | Acenaphthene-d10 | 14.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 94 |
| 2 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 91 |
| 3 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 76 |
| 4 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 76 |
| 5 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 76 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

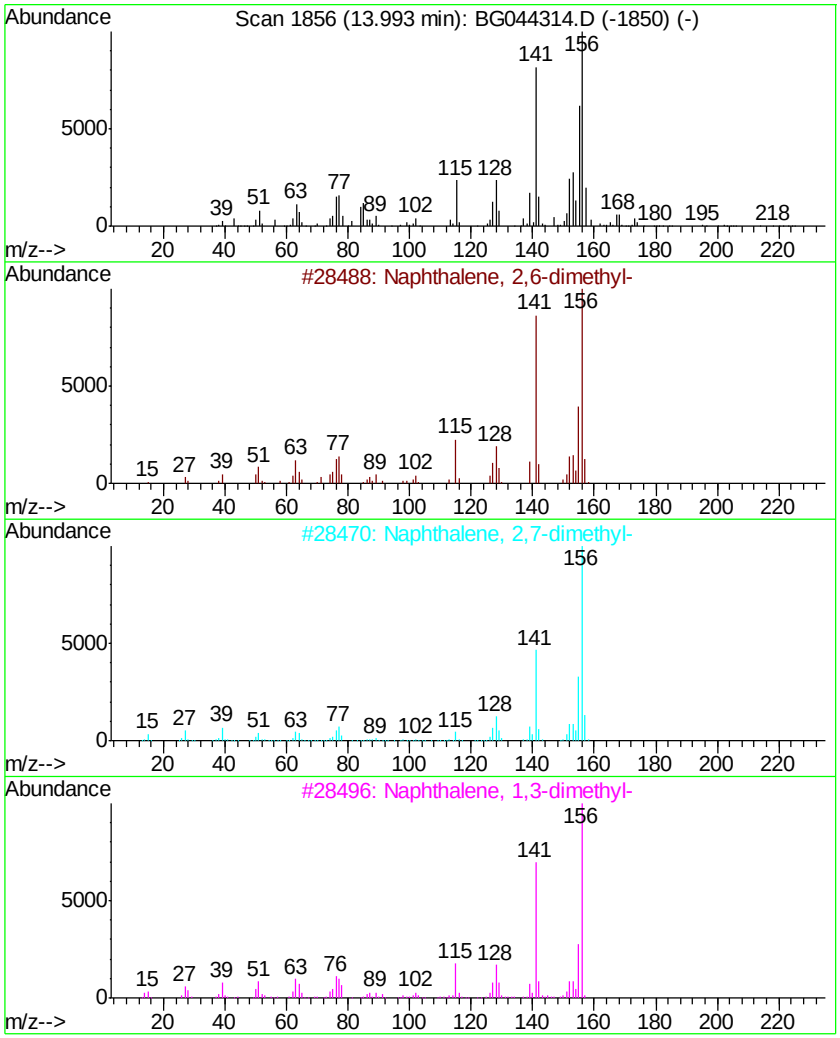
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

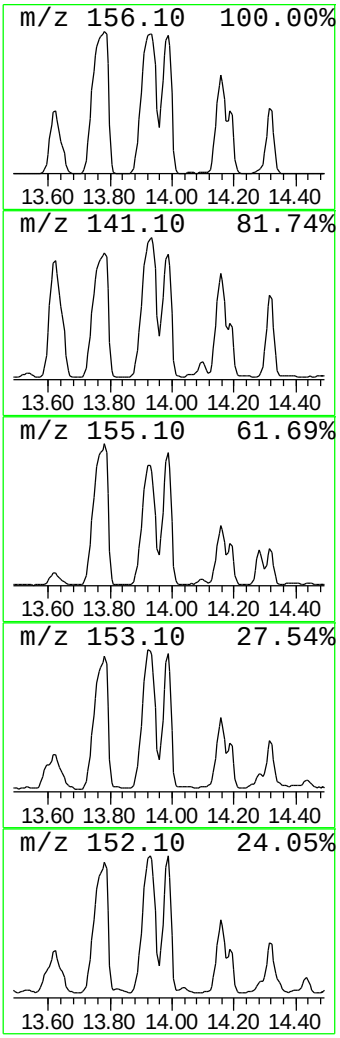
**********

Peak Number 9 Naphthalene, 1,3-dimethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.99 | 22.05 ng | 16436500 | Acenaphthene-d10 | 14.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 81 |
| 2 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 81 |
| 3 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 70 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 68 |
| 5 | Pent-1-yn-3-ene, 4-methyl-3-phenyl- | 156 | C12H12 | 065050-80-8 | 64 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

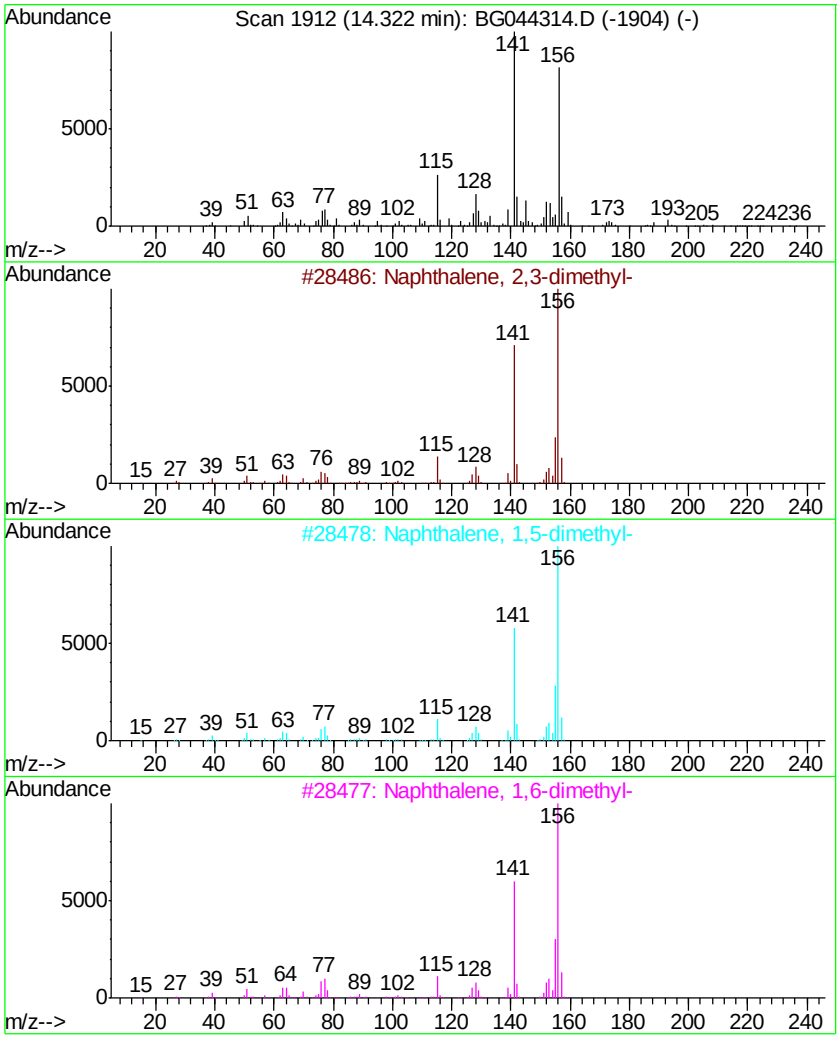
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

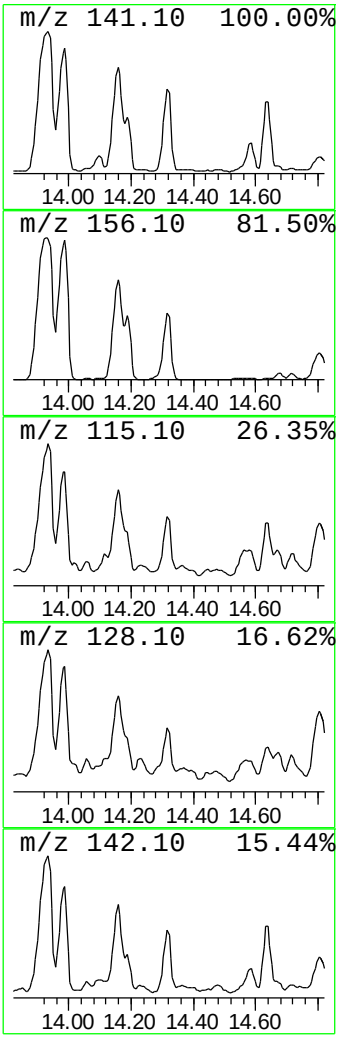
**********

Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.32 | 17.79 ng | 13258800 | Acenaphthene-d10 | 14.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 94 |
| 2 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 91 |
| 3 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 91 |
| 4 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 91 |
| 5 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 90 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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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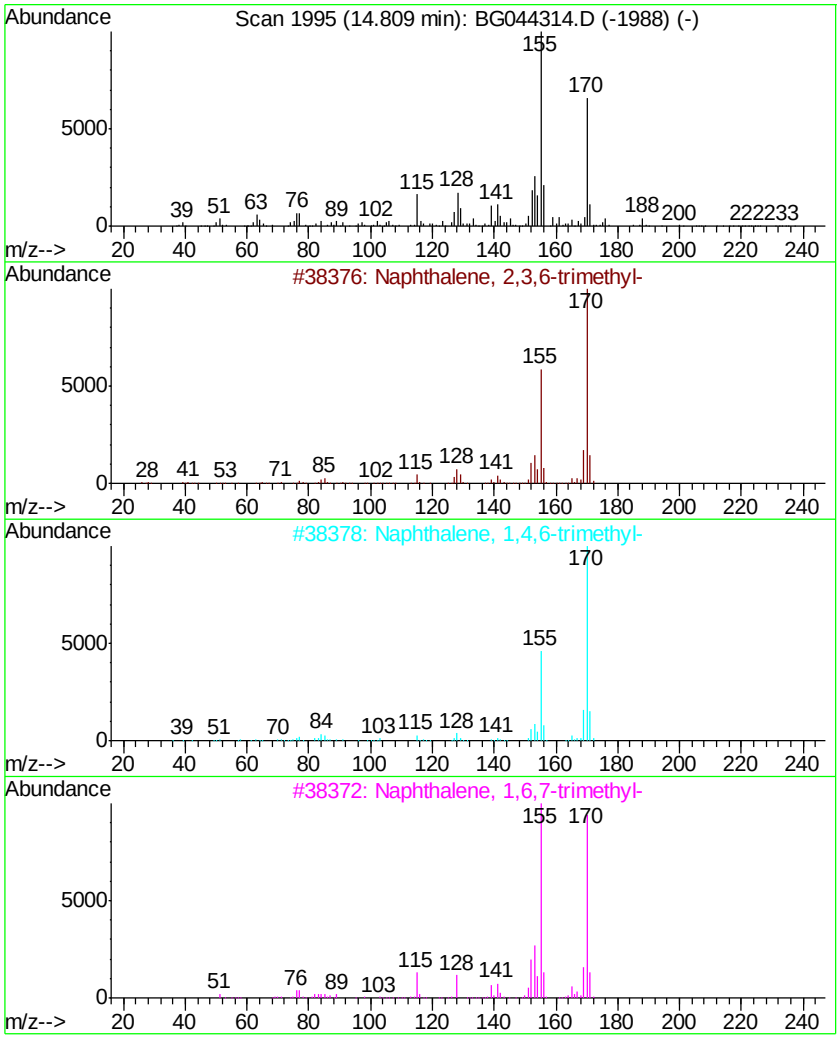
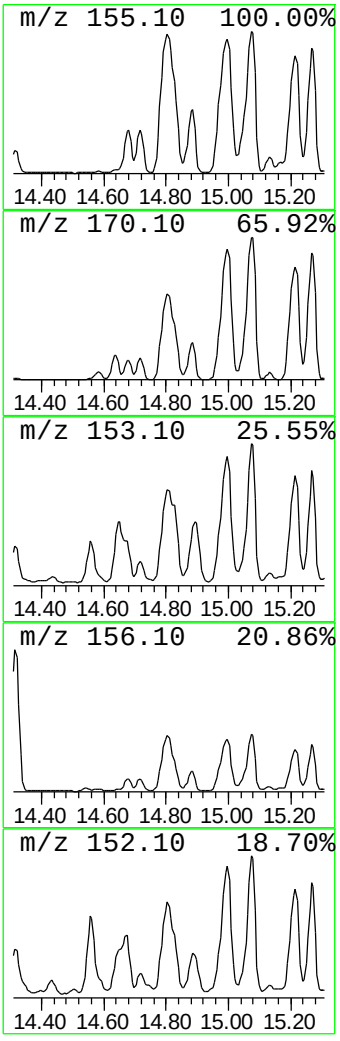
Peak Number 11 Naphthalene, 2,3,6-trimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.81 | 23.72 ng | 17683300 | Acenaphthene-d10 | 14.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 93 |
| 2 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 93 |
| 3 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 93 |
| 4 | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14 | 002131-41-1 | 91 |
| 5 | 4,6,8-Trimethylazulene | 170 | C13H14 | 000941-81-1 | 90 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

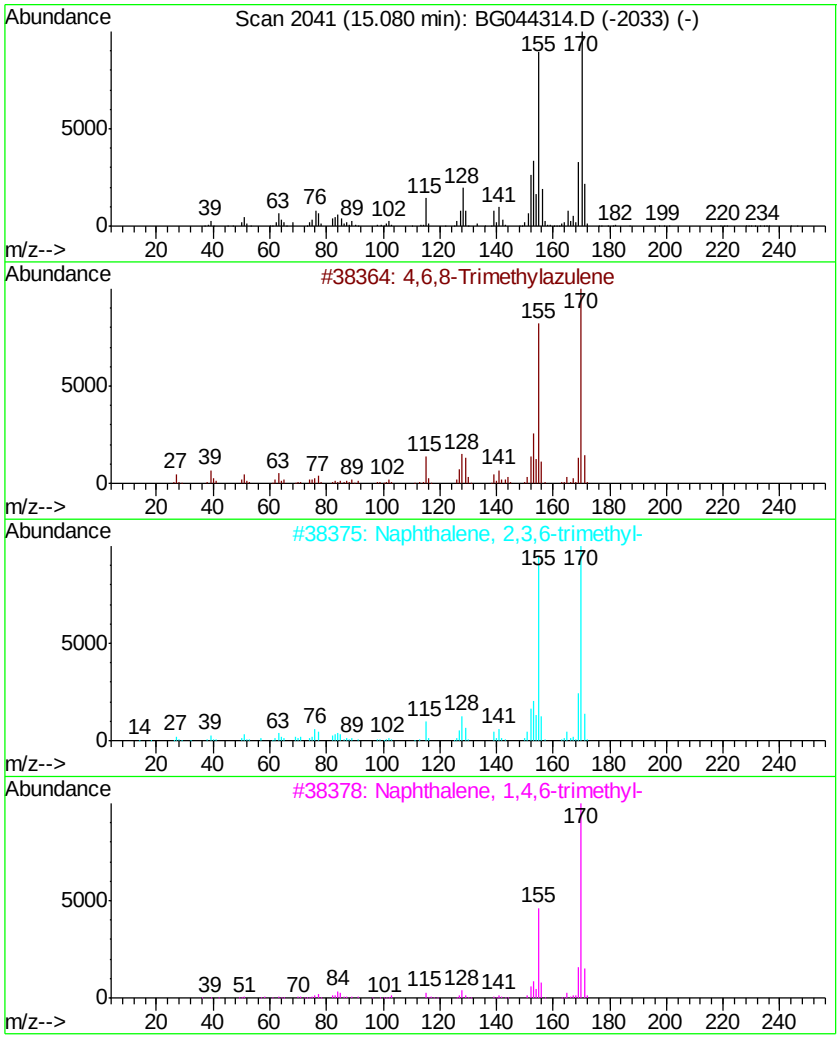
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

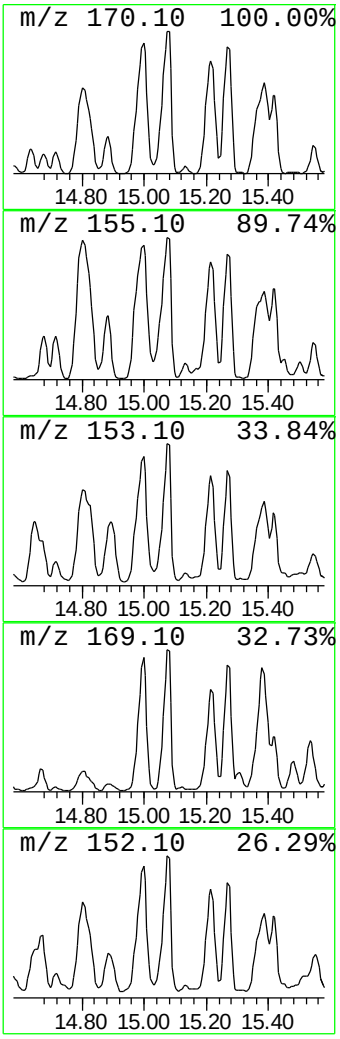
**********

Peak Number 12 4,6,8-Trimethylazulene Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.08 | 18.18 ng | 13550800 | Acenaphthene-d10 | 14.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4,6,8-Trimethylazulene | 170 | C13H14 | 000941-81-1 | 93 |
| 2 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 90 |
| 3 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 90 |
| 4 | Naphthalene, 1,4,5-trimethyl- | 170 | C13H14 | 002131-41-1 | 87 |
| 5 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

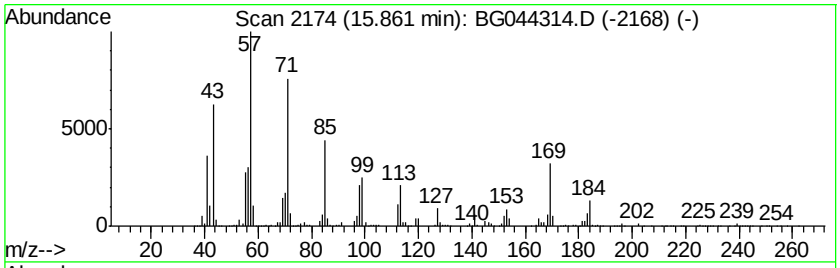
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

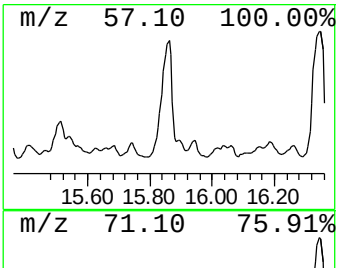
**********

Peak Number 13 Tridecane Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.86 | 20.70 ng | 15432900 | Acenaphthene-d10 | 14.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 60 |
| 2 | Pentadecane, 2,6,10-trimethyl- | 254 | C18H38 | 003892-00-0 | 53 |
| 3 | Heptane, 2,6-dimethyl- | 128 | C9H20 | 001072-05-5 | 50 |
| 4 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 49 |
| 5 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 46 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

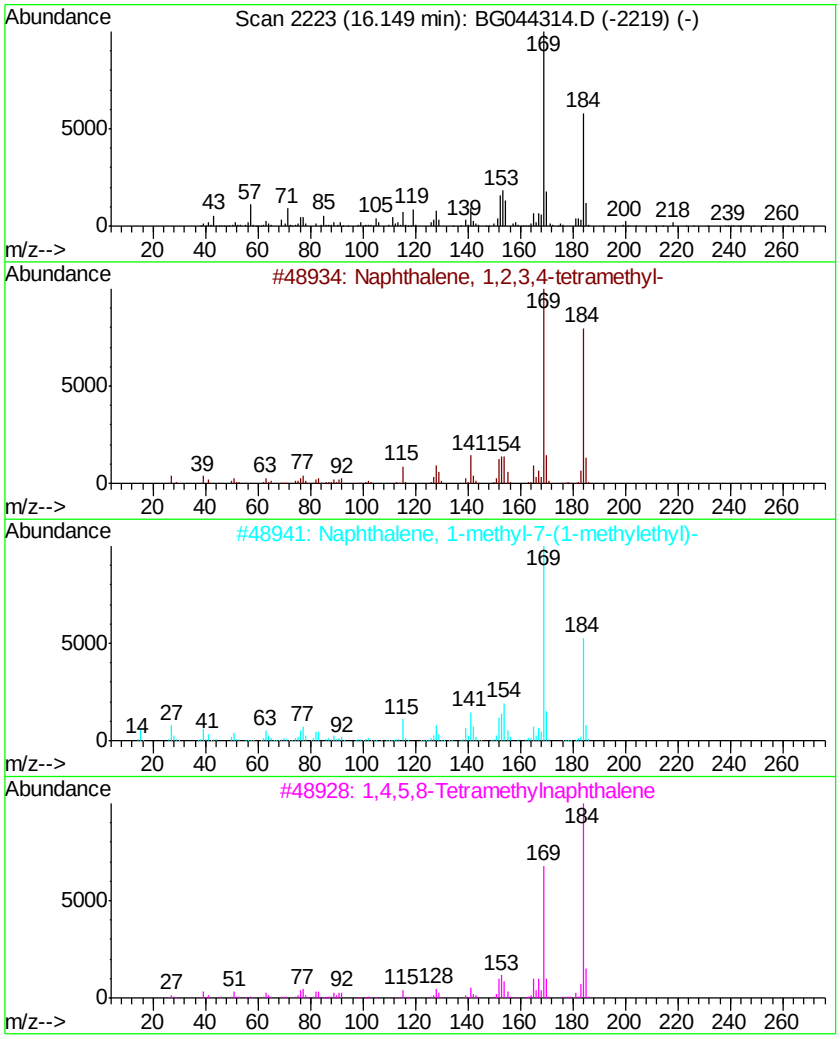
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

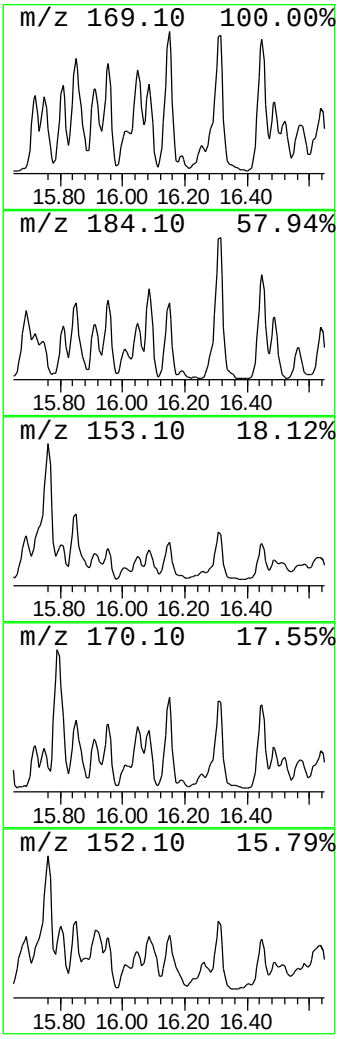
**********

Peak Number 14 Naphthalene, 1,2,3,4-tetram... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.15 | 18.97 ng | 4158870 | Phenanthrene-d10 | 17.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetramethyl- | 184 | C14H16 | 003031-15-0 | 91 |
| 2 | Naphthalene, 1-methyl-7-(1-methy... | 184 | C14H16 | 000490-65-3 | 91 |
| 3 | 1,4,5,8-Tetramethylnaphthalene | 184 | C14H16 | 002717-39-7 | 90 |
| 4 | Cyclopentene, 1,2-dimethyl-4-met... | 184 | C14H16 | 1000152-22-4 | 83 |
| 5 | Naphthalene, 1-(1,1-dimethylethyl)- | 184 | C14H16 | 017085-91-5 | 83 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

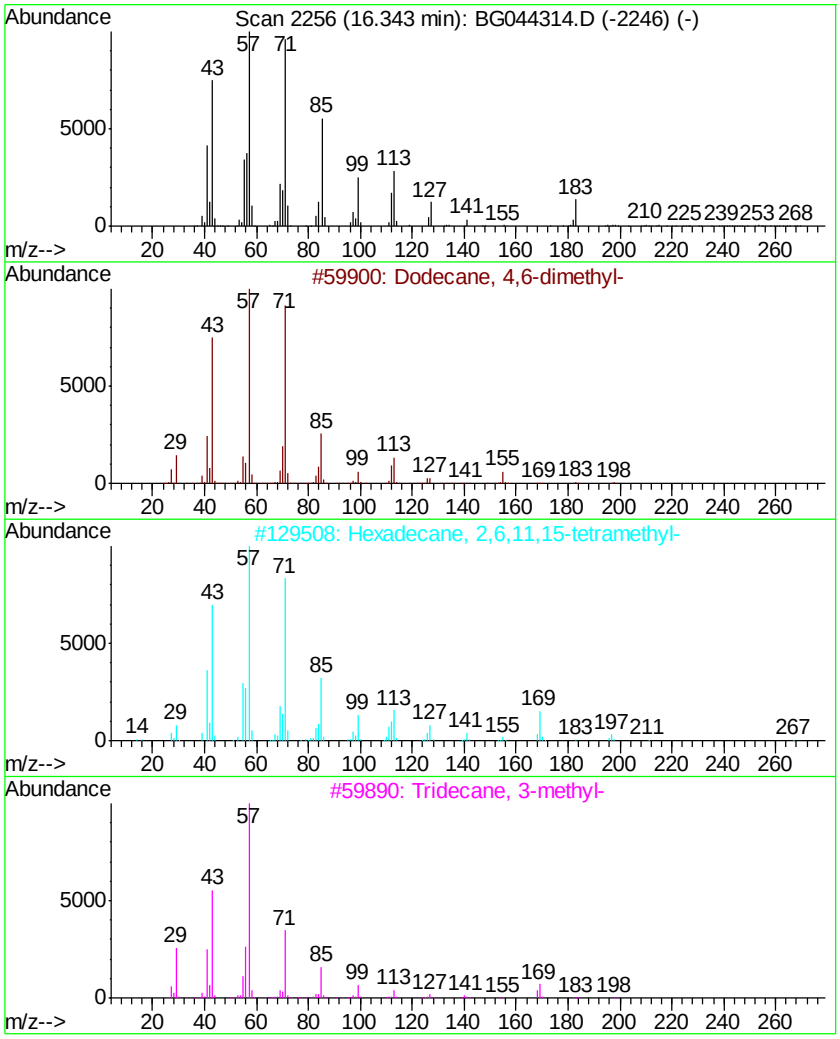
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

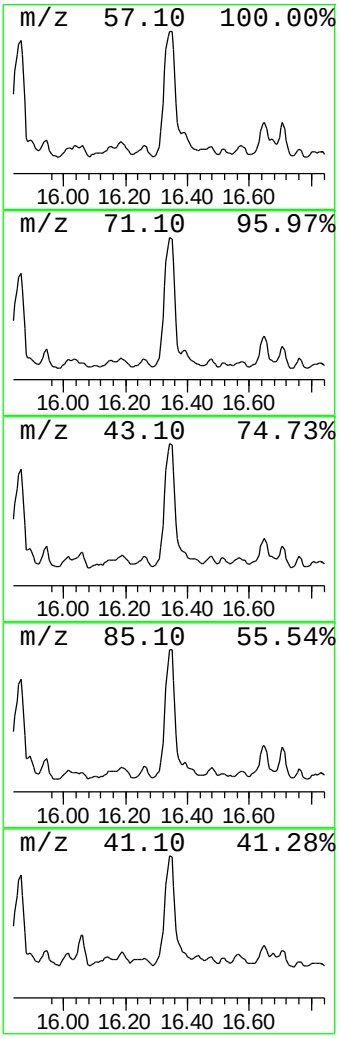
**********

Peak Number 15 Hexadecane, 2,6,11,15-tetra... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.34 | 114.22 ng | 25043100 | Phenanthrene-d10 | 17.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 4,6-dimethyl- | 198 | C14H30 | 061141-72-8 | 70 |
| 2 | Hexadecane, 2,6,11,15-tetramethyl- | 282 | C20H42 | 000504-44-9 | 64 |
| 3 | Tridecane, 3-methyl- | 198 | C14H30 | 006418-41-3 | 64 |
| 4 | Tridecane, 5-propyl- | 226 | C16H34 | 055045-11-9 | 64 |
| 5 | Pentadecane, 2,6,10,14-tetramethyl- | 268 | C19H40 | 001921-70-6 | 59 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

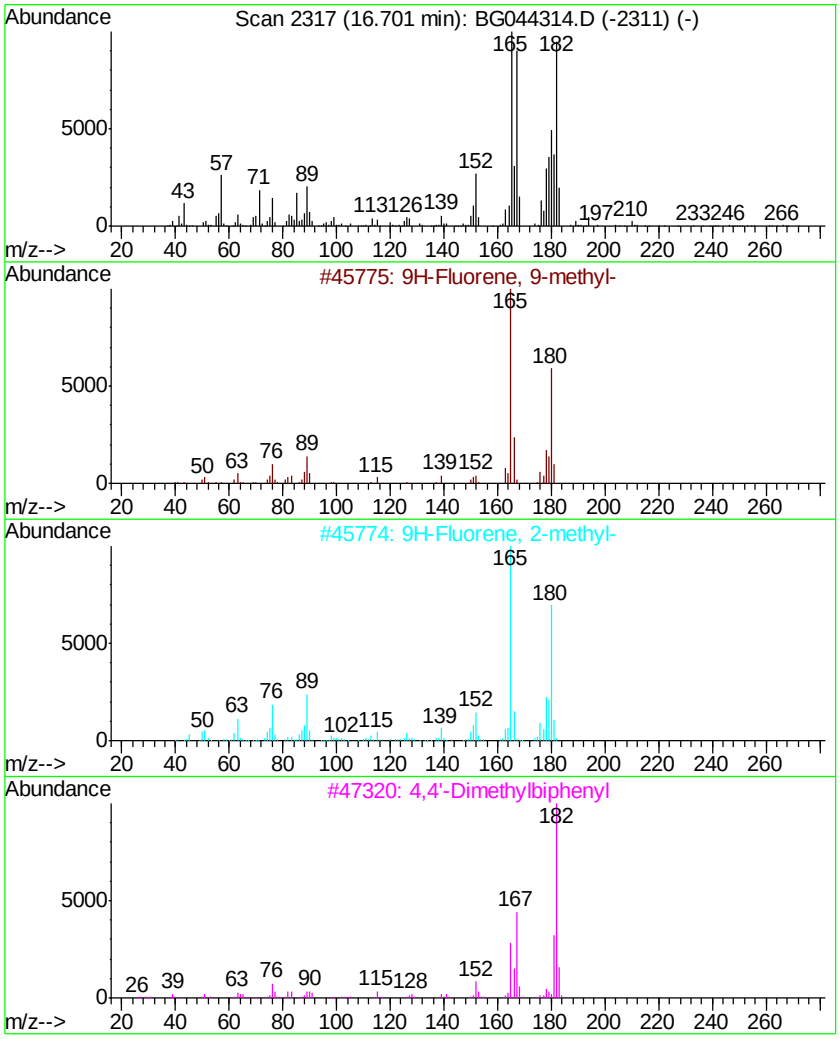
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

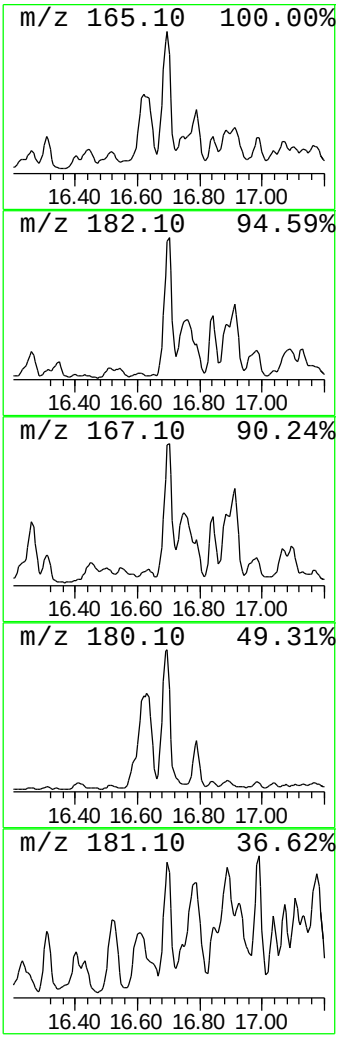
**********

Peak Number 16 9H-Fluorene, 9-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.70 | 36.84 ng | 8078210 | Phenanthrene-d10 | 17.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 86 |
| 2 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 86 |
| 3 | 4,4'-Dimethylbiphenyl | 182 | C14H14 | 000613-33-2 | 53 |
| 4 | 1,4-Methanonaphthalene,1,4-dihyd... | 182 | C14H14 | 007350-72-3 | 46 |
| 5 | 2,2'-Dimethylbiphenyl | 182 | C14H14 | 000605-39-0 | 46 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

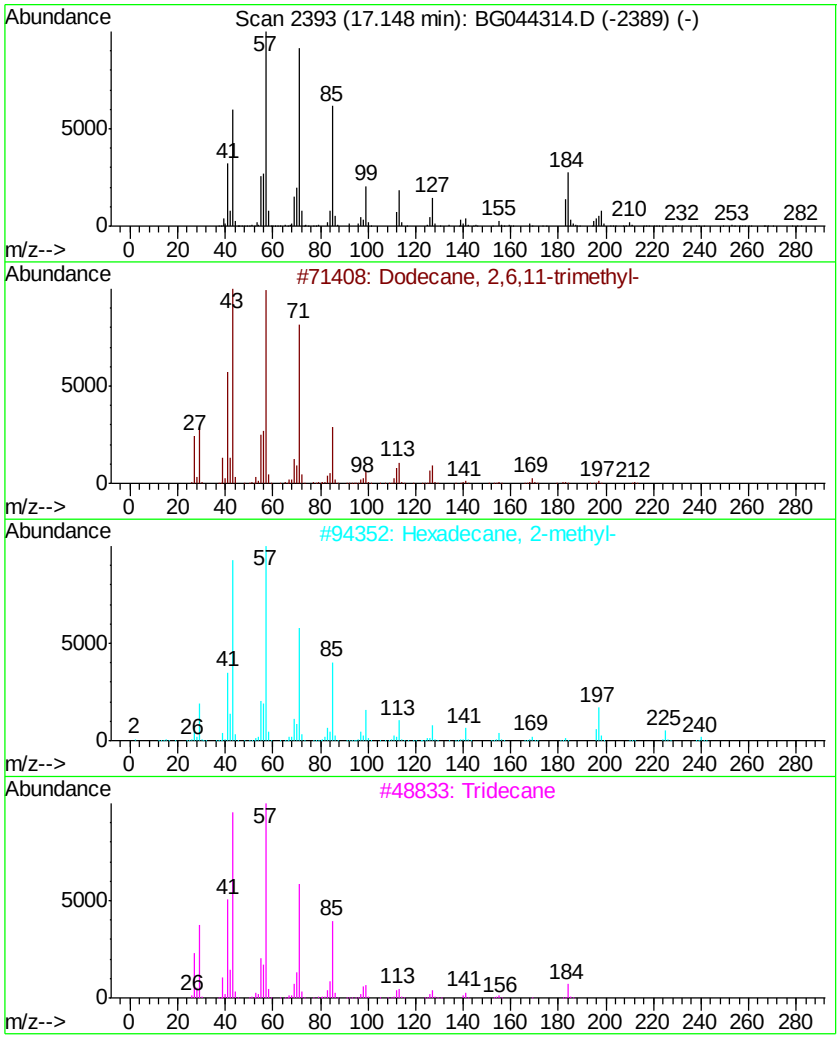
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

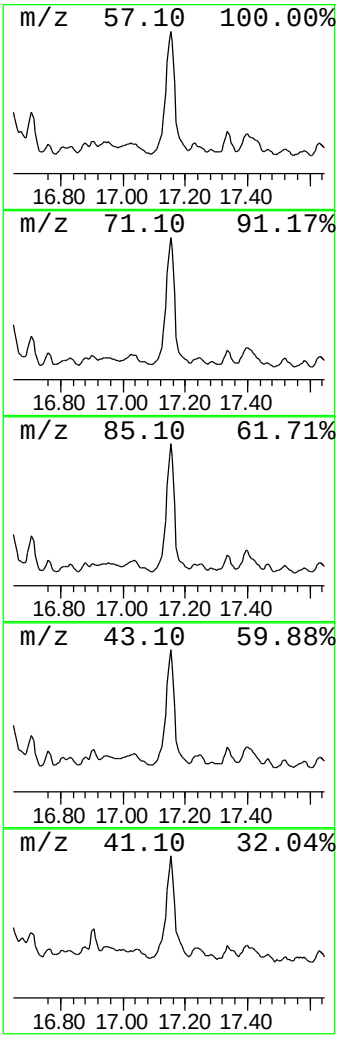
**********

Peak Number 17 Hexadecane, 2-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.15 | 78.41 ng | 17192500 | Phenanthrene-d10 | 17.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 2,6,11-trimethyl- | 212 | C15H32 | 031295-56-4 | 68 |
| 2 | Hexadecane, 2-methyl- | 240 | C17H36 | 001560-92-5 | 68 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 68 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 64 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 62 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

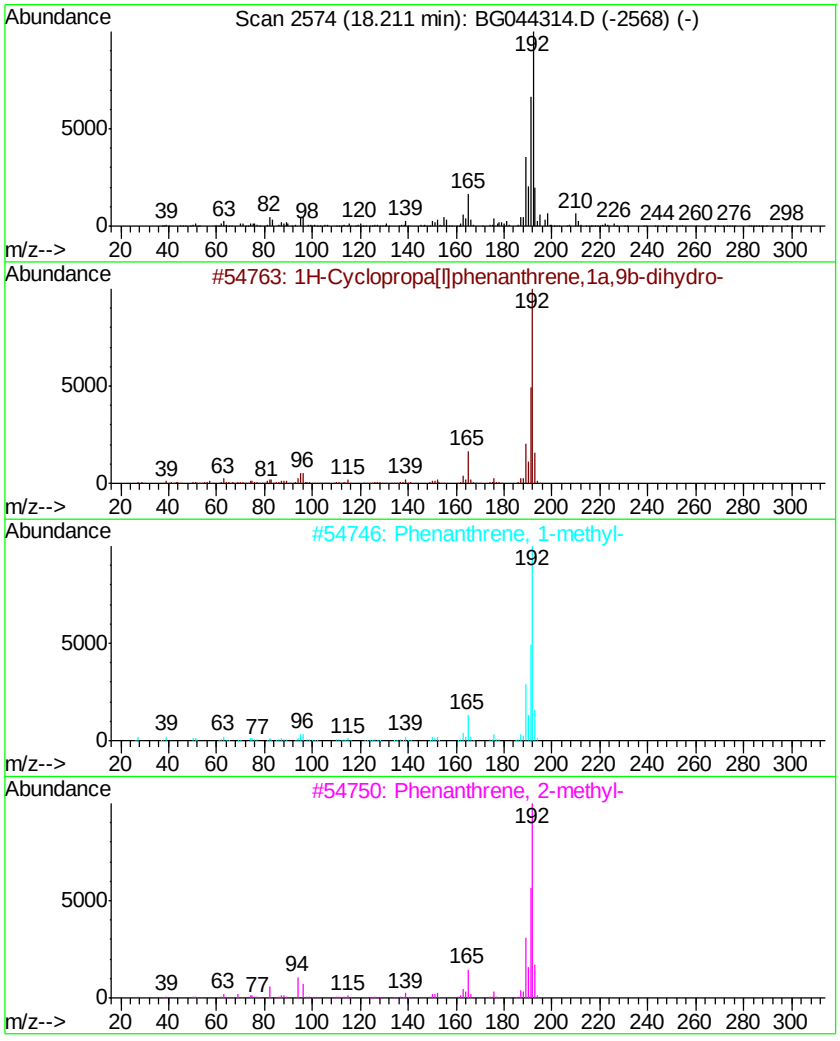
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

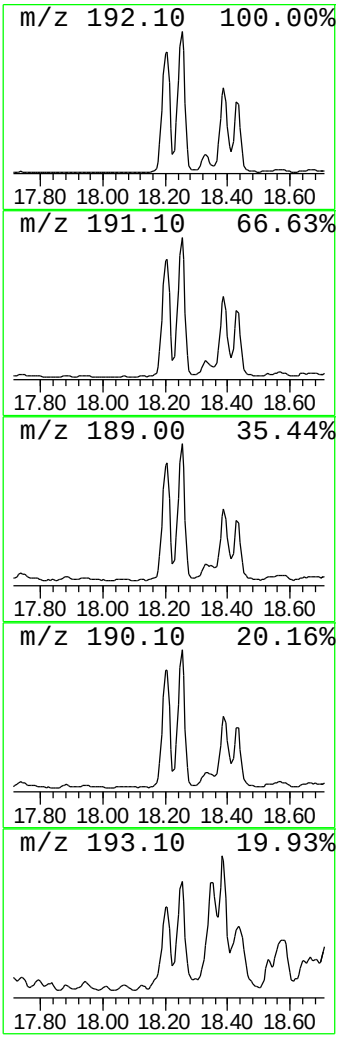
**********

Peak Number 18 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.21 | 25.29 ng | 5545170 | Phenanthrene-d10 | 17.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 3 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 4 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 94 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 90 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

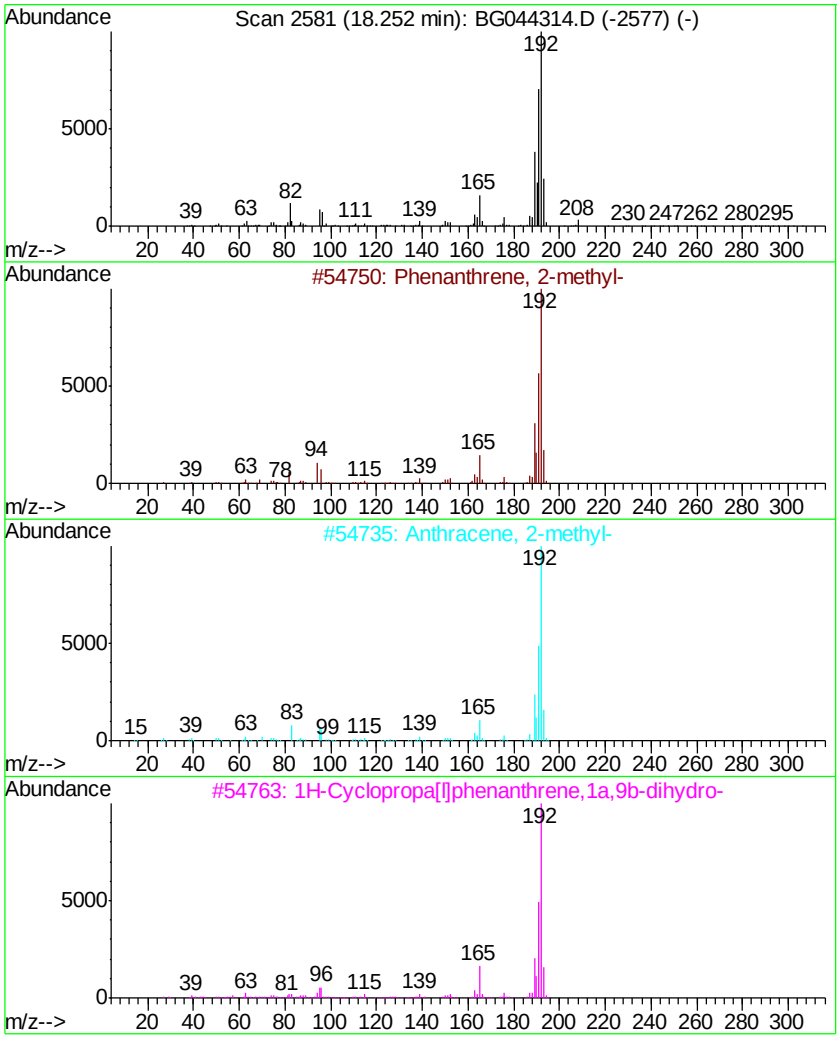
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

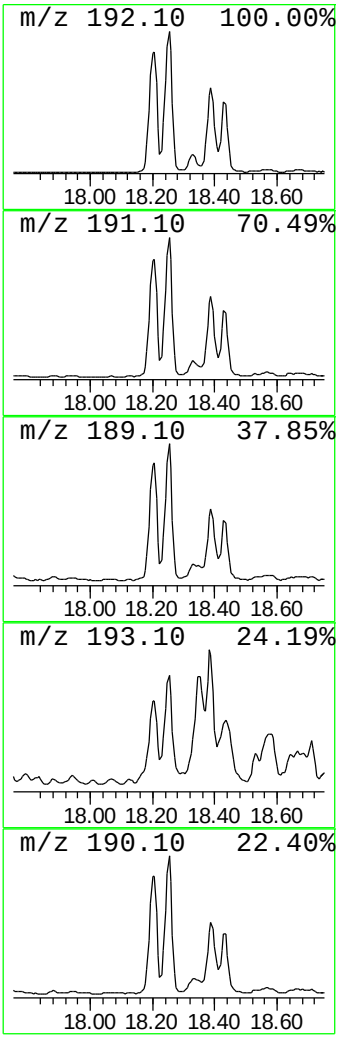
**********

Peak Number 19 Phenanthrene, 2-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.25 | 33.49 ng | 7343410 | Phenanthrene-d10 | 17.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 95 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 89 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 89 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

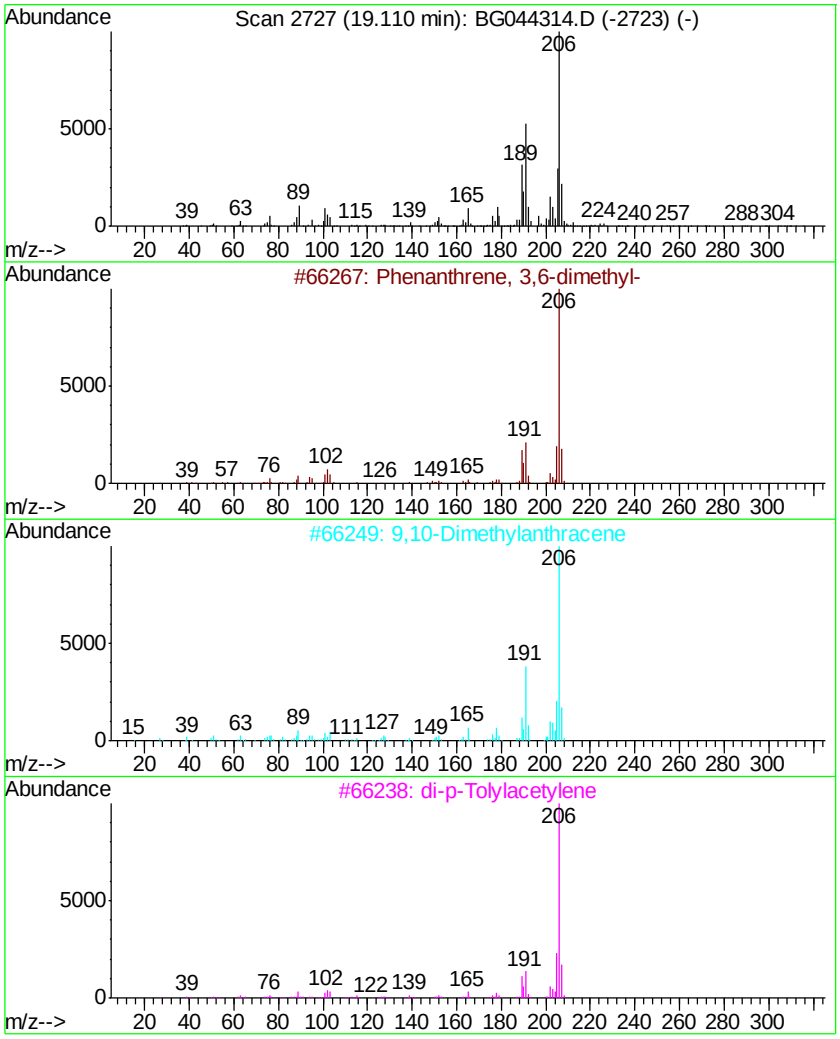
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

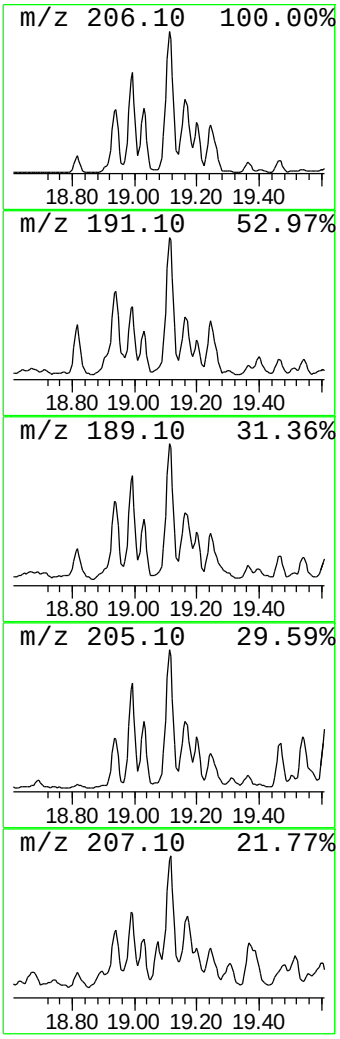
**********

Peak Number 20 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.11 | 22.36 ng | 4903680 | Phenanthrene-d10 | 17.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 94 |
| 2 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 93 |
| 3 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 93 |
| 4 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 5 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 89 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG020520\
Data File : BG044314.D
Acq On : 5 Feb 2020 21:23
Operator : CG/JU
Sample : L1390-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** SB-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.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 |
| Cyclohexane, butyl- | 8.23 | 21.5 | ng | 8186830 | 1 | 7.92 | 7629130 | 20.0 |
| Decane, 2-methyl- | 8.60 | 17.6 | ng | 6706700 | 1 | 7.92 | 7629130 | 20.0 |
| Benzene, 1,3-diet... | 9.29 | 28.9 | ng | 11018600 | 1 | 7.92 | 7629130 | 20.0 |
| Heptadecane, 8-me... | 10.19 | 17.1 | ng | 10361500 | 2 | 10.73 | 12130500 | 20.0 |
| Dodecane, 4,6-dim... | 11.80 | 36.1 | ng | 21928400 | 2 | 10.73 | 12130500 | 20.0 |
| Dodecane, 2,6,11-... | 13.15 | 22.9 | ng | 17068000 | 3 | 14.59 | 14909900 | 20.0 |
| Naphthalene, 2,6-... | 13.76 | 24.7 | ng | 18434600 | 3 | 14.59 | 14909900 | 20.0 |
| Naphthalene, 2,7-... | 13.93 | 31.3 | ng | 23308000 | 3 | 14.59 | 14909900 | 20.0 |
| Naphthalene, 1,3-... | 13.99 | 22.1 | ng | 16436500 | 3 | 14.59 | 14909900 | 20.0 |
| Naphthalene, 2,3-... | 14.32 | 17.8 | ng | 13258800 | 3 | 14.59 | 14909900 | 20.0 |
| Naphthalene, 2,3,... | 14.81 | 23.7 | ng | 17683300 | 3 | 14.59 | 14909900 | 20.0 |
| 4,6,8-Trimethylaz... | 15.08 | 18.2 | ng | 13550800 | 3 | 14.59 | 14909900 | 20.0 |
| Tridecane | 15.86 | 20.7 | ng | 15432900 | 3 | 14.59 | 14909900 | 20.0 |
| Naphthalene, 1,2,... | 16.15 | 19.0 | ng | 4158870 | 4 | 17.32 | 4385150 | 20.0 |
| Hexadecane, 2,6,1... | 16.34 | 114.2 | ng | 25043100 | 4 | 17.32 | 4385150 | 20.0 |
| 9H-Fluorene, 9-me... | 16.70 | 36.8 | ng | 8078210 | 4 | 17.32 | 4385150 | 20.0 |
| Hexadecane, 2-met... | 17.15 | 78.4 | ng | 17192500 | 4 | 17.32 | 4385150 | 20.0 |
| 1H-Cyclopropa[l]p... | 18.21 | 25.3 | ng | 5545170 | 4 | 17.32 | 4385150 | 20.0 |
| Phenanthrene, 2-m... | 18.25 | 33.5 | ng | 7343410 | 4 | 17.32 | 4385150 | 20.0 |
| Phenanthrene, 3,6... | 19.11 | 22.4 | ng | 4903680 | 4 | 17.32 | 4385150 | 20.0 |