LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 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_F\METHODS\8270-BF090518.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 | 4.784 | 407 | 416 | 421 | rBV | 73118 | 81835 | 1.60% | 0.080% |
| 2 | 4.872 | 428 | 431 | 438 | rVB3 | 74685 | 104824 | 2.05% | 0.103% |
| 3 | 4.937 | 438 | 442 | 446 | rBV | 129842 | 140105 | 2.74% | 0.137% |
| 4 | 5.142 | 473 | 477 | 480 | rBV | 237245 | 239028 | 4.67% | 0.234% |
| 5 | 5.190 | 480 | 485 | 489 | rVV4 | 31829 | 62365 | 1.22% | 0.061% |
| 6 | 5.237 | 489 | 493 | 495 | rVV | 170561 | 163923 | 3.20% | 0.160% |
| 7 | 5.260 | 495 | 497 | 501 | rVV | 82516 | 77311 | 1.51% | 0.076% |
| 8 | 5.313 | 502 | 506 | 507 | rVV | 62349 | 68084 | 1.33% | 0.067% |
| 9 | 5.337 | 507 | 510 | 515 | rVB | 394398 | 386855 | 7.56% | 0.378% |
| 10 | 5.425 | 520 | 525 | 528 | rBV2 | 114741 | 110149 | 2.15% | 0.108% |
| 11 | 5.507 | 535 | 539 | 544 | rBV2 | 293960 | 381359 | 7.45% | 0.373% |
| 12 | 5.554 | 544 | 547 | 550 | rVB | 416236 | 359457 | 7.02% | 0.351% |
| 13 | 5.595 | 550 | 554 | 556 | rBV | 289810 | 287764 | 5.62% | 0.281% |
| 14 | 5.666 | 561 | 566 | 570 | rBV2 | 177054 | 185620 | 3.63% | 0.182% |
| 15 | 5.760 | 574 | 582 | 586 | rBV2 | 536180 | 781513 | 15.27% | 0.764% |
| 16 | 5.825 | 586 | 593 | 595 | rBV3 | 387962 | 654788 | 12.80% | 0.640% |
| 17 | 5.854 | 595 | 598 | 600 | rVB3 | 91005 | 101618 | 1.99% | 0.099% |
| 18 | 5.901 | 600 | 606 | 610 | rVB2 | 1291748 | 1394658 | 27.25% | 1.364% |
| 19 | 5.954 | 610 | 615 | 619 | rBV2 | 565188 | 849380 | 16.60% | 0.831% |
| 20 | 6.001 | 619 | 623 | 629 | rVB | 3256650 | 3663337 | 71.59% | 3.582% |
| 21 | 6.060 | 629 | 633 | 635 | rBV | 1319632 | 1299135 | 25.39% | 1.270% |
| 22 | 6.089 | 635 | 638 | 640 | rBV3 | 202840 | 247013 | 4.83% | 0.242% |
| 23 | 6.113 | 640 | 642 | 644 | rVB | 295218 | 220533 | 4.31% | 0.216% |
| 24 | 6.137 | 644 | 646 | 649 | rVB | 339386 | 293421 | 5.73% | 0.287% |
| 25 | 6.189 | 649 | 655 | 659 | rBV4 | 1352668 | 1993075 | 38.95% | 1.949% |
| 26 | 6.237 | 659 | 663 | 664 | rBV2 | 513338 | 491483 | 9.60% | 0.481% |
| 27 | 6.254 | 664 | 666 | 668 | rVV | 1756885 | 1716136 | 33.54% | 1.678% |
| 28 | 6.284 | 668 | 671 | 679 | rVB3 | 2145397 | 3881644 | 75.85% | 3.796% |
| 29 | 6.348 | 679 | 682 | 684 | rBV | 2480775 | 2280598 | 44.57% | 2.230% |
| 30 | 6.401 | 689 | 691 | 693 | rVV | 915937 | 847031 | 16.55% | 0.828% |
| 31 | 6.425 | 693 | 695 | 697 | rVV2 | 988354 | 905398 | 17.69% | 0.885% |
| 32 | 6.448 | 697 | 699 | 702 | rVV2 | 752076 | 668400 | 13.06% | 0.654% |
| 33 | 6.489 | 702 | 706 | 711 | rVV4 | 1722532 | 3478866 | 67.98% | 3.402% |
| 34 | 6.525 | 711 | 712 | 715 | rVV | 1170865 | 1192223 | 23.30% | 1.166% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 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_F\METHODS\8270-BF090518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 6.572 | 717 | 720 | 722 | rVV | 3504923 | 3160456 | 61.76% | 3.090% |
| 36 | 6.607 | 722 | 726 | 729 | rVV2 | 1138395 | 1597711 | 31.22% | 1.562% |
| 37 | 6.636 | 729 | 731 | 733 | rVV | 334510 | 397457 | 7.77% | 0.389% |
| 38 | 6.660 | 733 | 735 | 736 | rVV2 | 399577 | 382483 | 7.47% | 0.374% |
| 39 | 6.701 | 736 | 742 | 744 | rVV4 | 1118161 | 2208053 | 43.15% | 2.159% |
| 40 | 6.742 | 746 | 749 | 751 | rVV2 | 1957916 | 2464867 | 48.17% | 2.410% |
| 41 | 6.778 | 751 | 755 | 757 | rVV | 4879085 | 5117402 | 100.00% | 5.004% |
| 42 | 6.807 | 757 | 760 | 765 | rVV3 | 2055925 | 3654381 | 71.41% | 3.573% |
| 43 | 6.848 | 765 | 767 | 769 | rVV2 | 1055877 | 1237067 | 24.17% | 1.210% |
| 44 | 6.872 | 769 | 771 | 773 | rVV | 1370574 | 1528609 | 29.87% | 1.495% |
| 45 | 6.901 | 773 | 776 | 780 | rVV2 | 3450741 | 4451469 | 86.99% | 4.353% |
| 46 | 6.936 | 780 | 782 | 784 | rVV | 1125429 | 948922 | 18.54% | 0.928% |
| 47 | 6.966 | 784 | 787 | 788 | rVV | 440428 | 484634 | 9.47% | 0.474% |
| 48 | 6.989 | 788 | 791 | 794 | rVV3 | 1197256 | 1812262 | 35.41% | 1.772% |
| 49 | 7.025 | 794 | 797 | 801 | rVV3 | 2955771 | 4235947 | 82.78% | 4.142% |
| 50 | 7.066 | 801 | 804 | 807 | rVV2 | 3659590 | 3530153 | 68.98% | 3.452% |
| 51 | 7.095 | 807 | 809 | 813 | rVV3 | 1617367 | 1858853 | 36.32% | 1.818% |
| 52 | 7.142 | 813 | 817 | 820 | rVV | 3584098 | 3546553 | 69.30% | 3.468% |
| 53 | 7.178 | 820 | 823 | 825 | rVV | 658974 | 903325 | 17.65% | 0.883% |
| 54 | 7.213 | 827 | 829 | 831 | rVV | 1091477 | 1013117 | 19.80% | 0.991% |
| 55 | 7.236 | 831 | 833 | 835 | rVV | 1415369 | 1259161 | 24.61% | 1.231% |
| 56 | 7.278 | 835 | 840 | 844 | rVV3 | 2455246 | 3896471 | 76.14% | 3.810% |
| 57 | 7.313 | 844 | 846 | 847 | rVV2 | 809025 | 819230 | 16.01% | 0.801% |
| 58 | 7.331 | 847 | 849 | 851 | rVV2 | 1110469 | 1098126 | 21.46% | 1.074% |
| 59 | 7.354 | 851 | 853 | 855 | rVV2 | 461121 | 471291 | 9.21% | 0.461% |
| 60 | 7.395 | 855 | 860 | 864 | rVV4 | 1743457 | 2634107 | 51.47% | 2.576% |
| 61 | 7.431 | 864 | 866 | 869 | rVV2 | 863910 | 1087446 | 21.25% | 1.063% |
| 62 | 7.466 | 869 | 872 | 875 | rVV2 | 1372758 | 1559289 | 30.47% | 1.525% |
| 63 | 7.513 | 875 | 880 | 882 | rVV3 | 938637 | 1344255 | 26.27% | 1.314% |
| 64 | 7.542 | 882 | 885 | 891 | rVV3 | 1699199 | 2318350 | 45.30% | 2.267% |
| 65 | 7.589 | 891 | 893 | 895 | rVB | 213037 | 141788 | 2.77% | 0.139% |
| 66 | 7.654 | 901 | 904 | 905 | rBV | 679355 | 531719 | 10.39% | 0.520% |
| 67 | 7.713 | 912 | 914 | 917 | rVB2 | 608852 | 515862 | 10.08% | 0.504% |
| 68 | 7.748 | 917 | 920 | 922 | rVV2 | 766323 | 901508 | 17.62% | 0.882% |
| 69 | 7.766 | 922 | 923 | 925 | rVV | 947150 | 555858 | 10.86% | 0.544% |
| 70 | 7.795 | 925 | 928 | 931 | rVV2 | 648314 | 539360 | 10.54% | 0.527% |
| 71 | 7.831 | 932 | 934 | 936 | rVV3 | 395683 | 414308 | 8.10% | 0.405% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 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_F\METHODS\8270-BF090518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 7.860 | 937 | 939 | 942 | rVB | 736998 | 651895 | 12.74% | 0.637% |
| 73 | 7.895 | 942 | 945 | 947 | rBV | 310598 | 246091 | 4.81% | 0.241% |
| 74 | 7.972 | 955 | 958 | 959 | rBV2 | 163922 | 174914 | 3.42% | 0.171% |
| 75 | 7.983 | 959 | 960 | 962 | rVV2 | 217238 | 148989 | 2.91% | 0.146% |
| 76 | 8.019 | 962 | 966 | 968 | rVV | 1458820 | 1361951 | 26.61% | 1.332% |
| 77 | 8.042 | 968 | 970 | 973 | rVV3 | 320651 | 346553 | 6.77% | 0.339% |
| 78 | 8.072 | 973 | 975 | 977 | rVV2 | 170800 | 170080 | 3.32% | 0.166% |
| 79 | 8.095 | 977 | 979 | 981 | rVV | 258921 | 191446 | 3.74% | 0.187% |
| 80 | 8.119 | 981 | 983 | 986 | rVB2 | 98892 | 86915 | 1.70% | 0.085% |
| 81 | 8.201 | 995 | 997 | 1001 | rVB4 | 45481 | 55922 | 1.09% | 0.055% |
| 82 | 8.319 | 1013 | 1017 | 1020 | rVB4 | 79912 | 93958 | 1.84% | 0.092% |
| 83 | 9.089 | 1145 | 1148 | 1153 | rVB | 74082 | 57969 | 1.13% | 0.057% |
| 84 | 9.766 | 1259 | 1263 | 1272 | rVB2 | 1215903 | 1069911 | 20.91% | 1.046% |
| 85 | 11.242 | 1510 | 1514 | 1521 | rBV | 1204474 | 992987 | 19.40% | 0.971% |
| 86 | 13.865 | 1956 | 1960 | 1964 | rBV | 943863 | 830113 | 16.22% | 0.812% |
| 87 | 14.654 | 2090 | 2094 | 2097 | rVB | 55233 | 56568 | 1.11% | 0.055% |
| 88 | 14.971 | 2144 | 2148 | 2152 | rBV | 78457 | 88001 | 1.72% | 0.086% |
| 89 | 15.277 | 2194 | 2200 | 2205 | rBV | 802618 | 927137 | 18.12% | 0.907% |
| 90 | 15.330 | 2205 | 2209 | 2216 | rVB | 99676 | 134381 | 2.63% | 0.131% |
| 91 | 15.736 | 2273 | 2278 | 2285 | rBV2 | 105812 | 159565 | 3.12% | 0.156% |
| 92 | 16.206 | 2353 | 2358 | 2364 | rVB | 75176 | 133336 | 2.61% | 0.130% |
| 93 | 16.753 | 2447 | 2451 | 2458 | rVB3 | 29076 | 57716 | 1.13% | 0.056% |

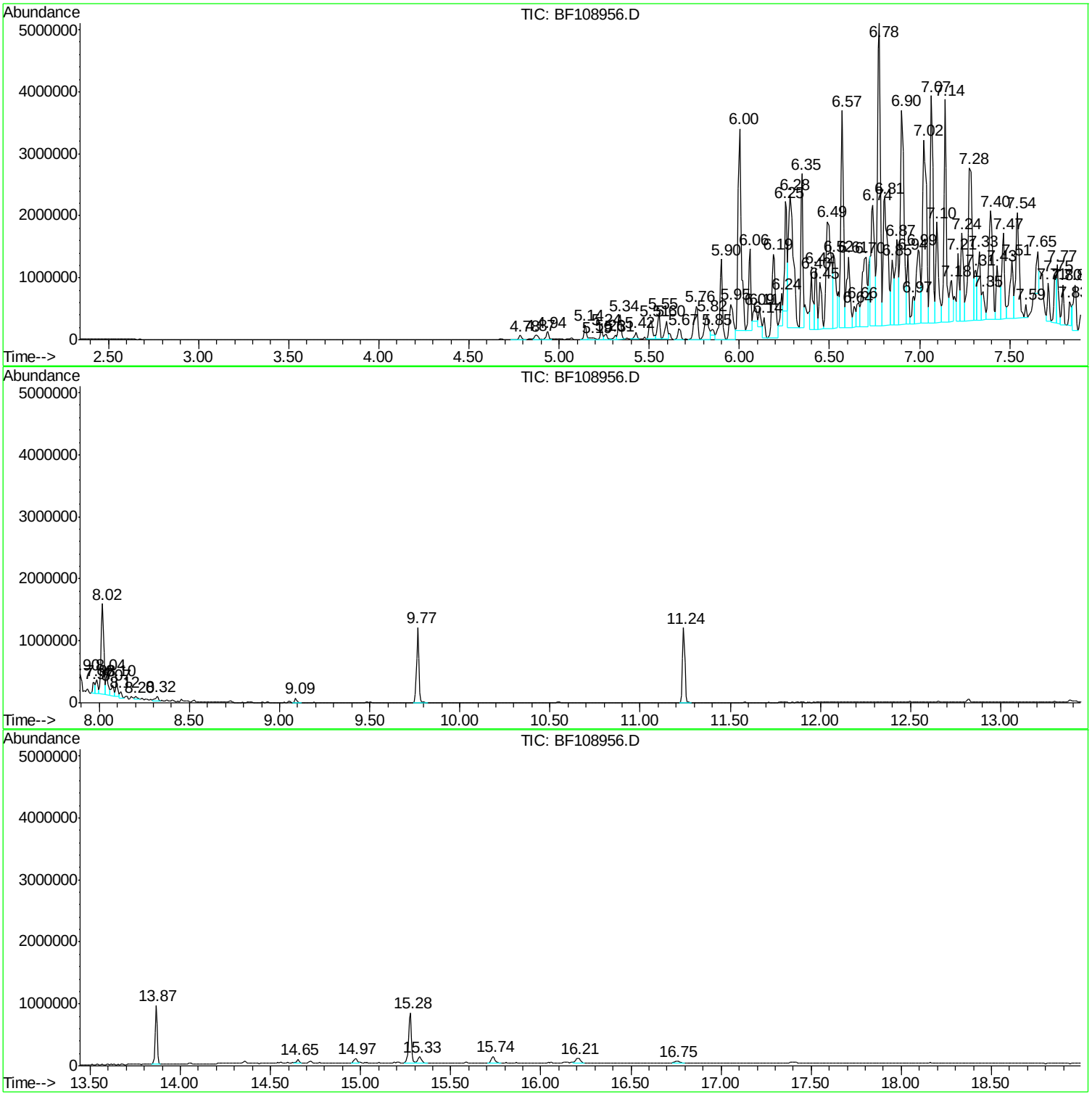
Sum of corrected areas: 102267177

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

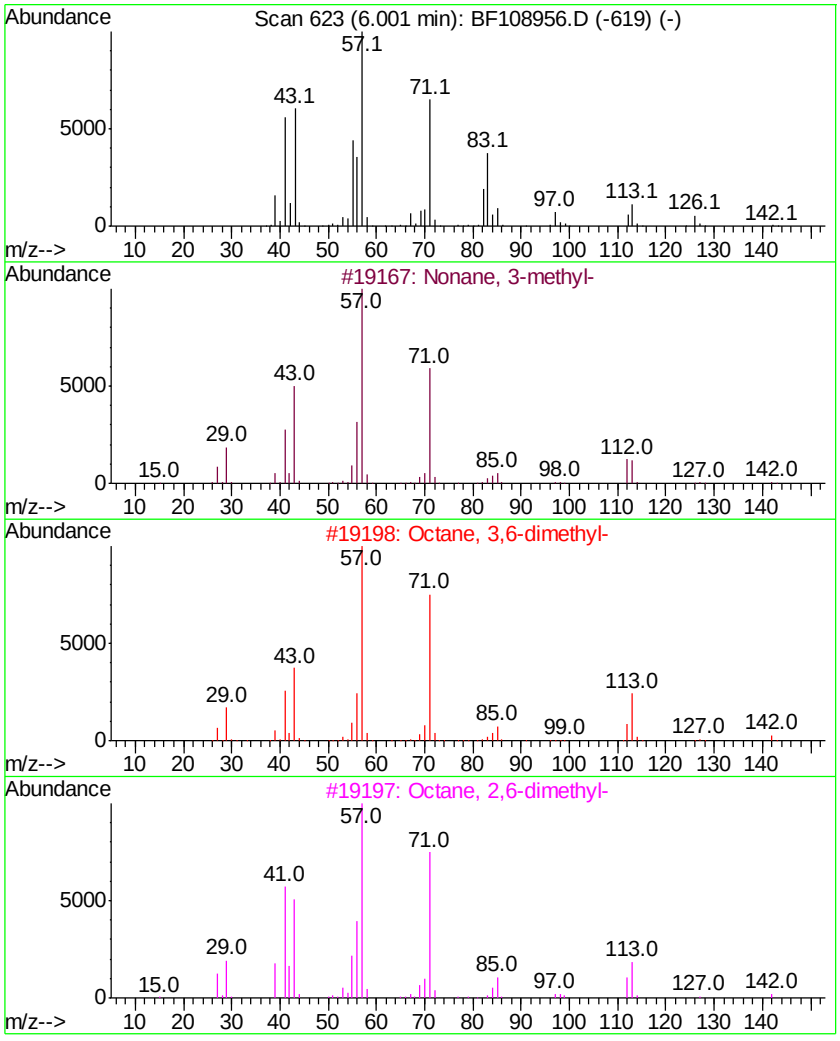
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

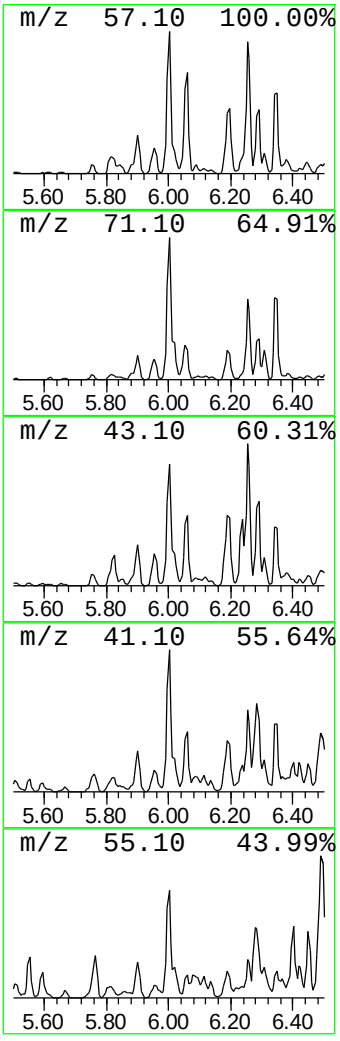
**********

Peak Number 1 Nonane, 3-methyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.00 | 29.72 ng | 3663340 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane, 3-methyl- | 142 | C10H22 | 005911-04-6 | 64 |
| 2 | Octane, 3,6-dimethyl- | 142 | C10H22 | 015869-94-0 | 58 |
| 3 | Octane, 2,6-dimethyl- | 142 | C10H22 | 002051-30-1 | 47 |
| 4 | Tridecane, 7-methyl- | 198 | C14H30 | 026730-14-3 | 47 |
| 5 | Octane, 2-bromo- | 192 | C8H17Br | 000557-35-7 | 43 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

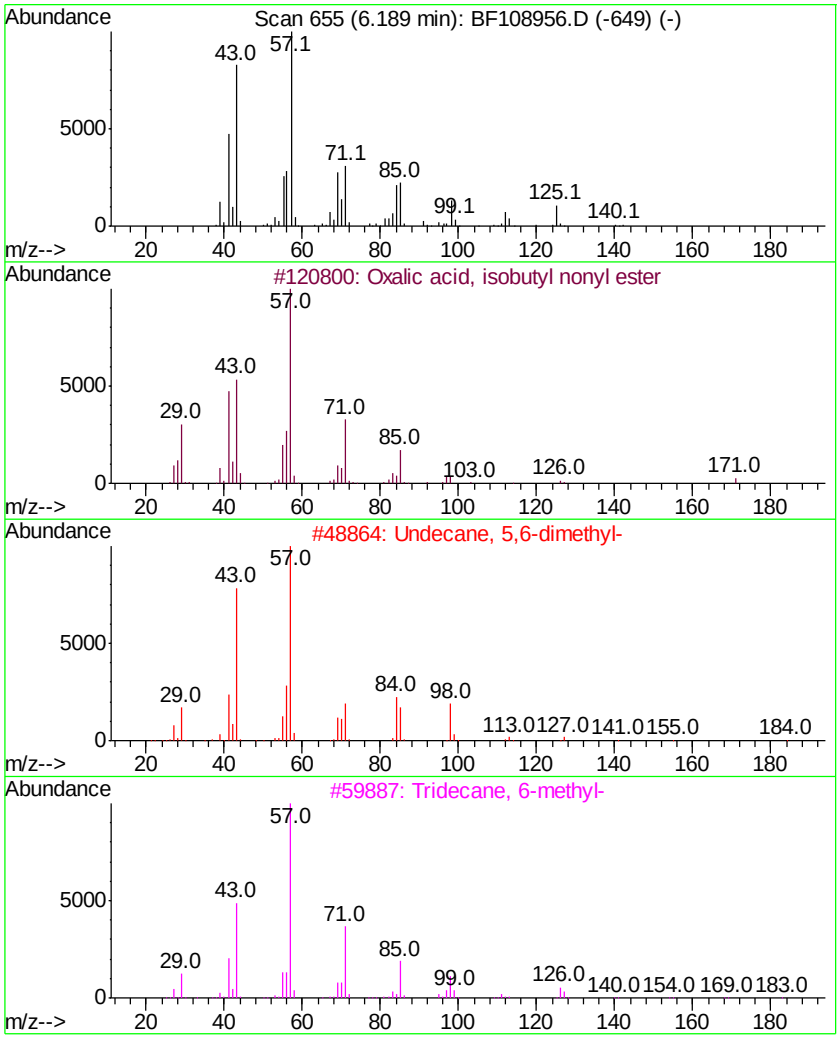
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

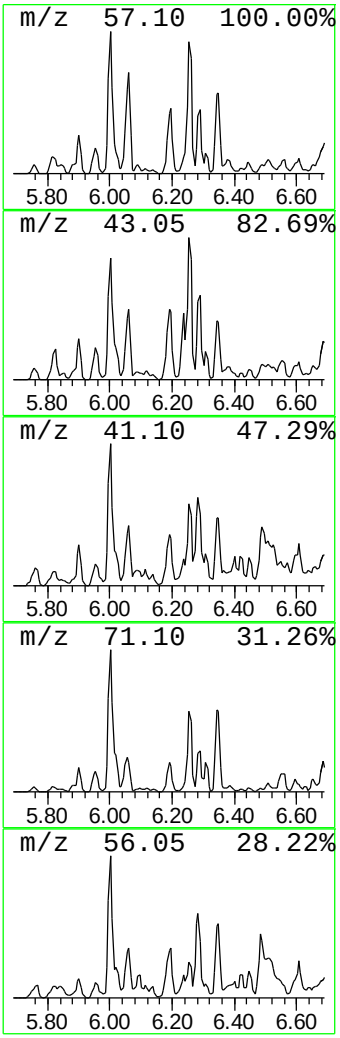
**********

Peak Number 2 Oxalic acid, isobutyl nonyl... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.19 | 16.17 ng | 1993080 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxalic acid, isobutyl nonyl ester | 272 | C15H28O4 | 1000309-37-4 | 53 |
| 2 | Undecane, 5,6-dimethyl- | 184 | C13H28 | 017615-91-7 | 53 |
| 3 | Tridecane, 6-methyl- | 198 | C14H30 | 013287-21-3 | 50 |
| 4 | Hexane, 2,4-dimethyl- | 114 | C8H18 | 000589-43-5 | 49 |
| 5 | Octane, 4-ethyl- | 142 | C10H22 | 015869-86-0 | 46 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

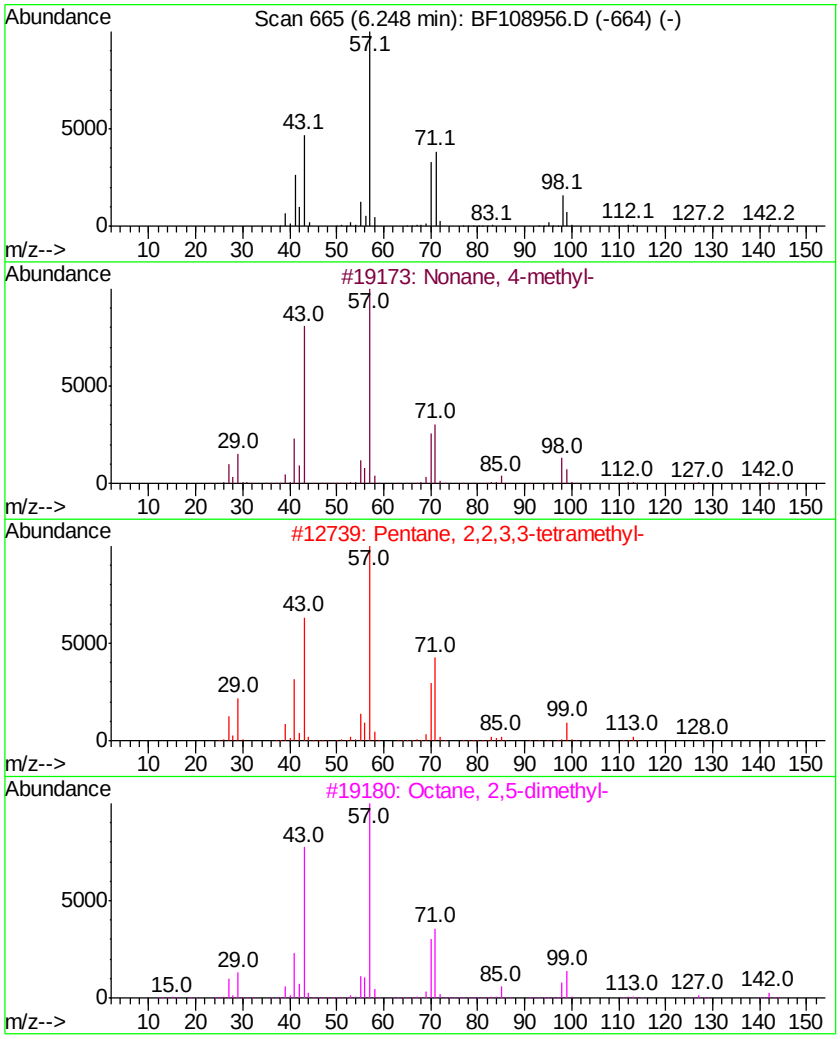
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

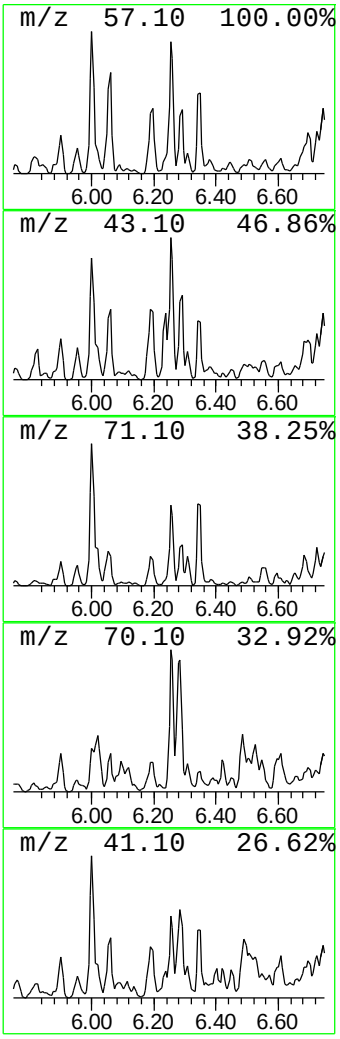
**********

Peak Number 3 Nonane, 4-methyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.25 | 13.92 ng | 1716140 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonane, 4-methyl- | 142 | C10H22 | 017301-94-9 | 72 |
| 2 | Pentane, 2,2,3,3-tetramethyl- | 128 | C9H20 | 007154-79-2 | 64 |
| 3 | Octane, 2,5-dimethyl- | 142 | C10H22 | 015869-89-3 | 56 |
| 4 | Heptane, 4-methyl- | 114 | C8H18 | 000589-53-7 | 53 |
| 5 | Hexane, 3-methyl- | 100 | C7H16 | 000589-34-4 | 53 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

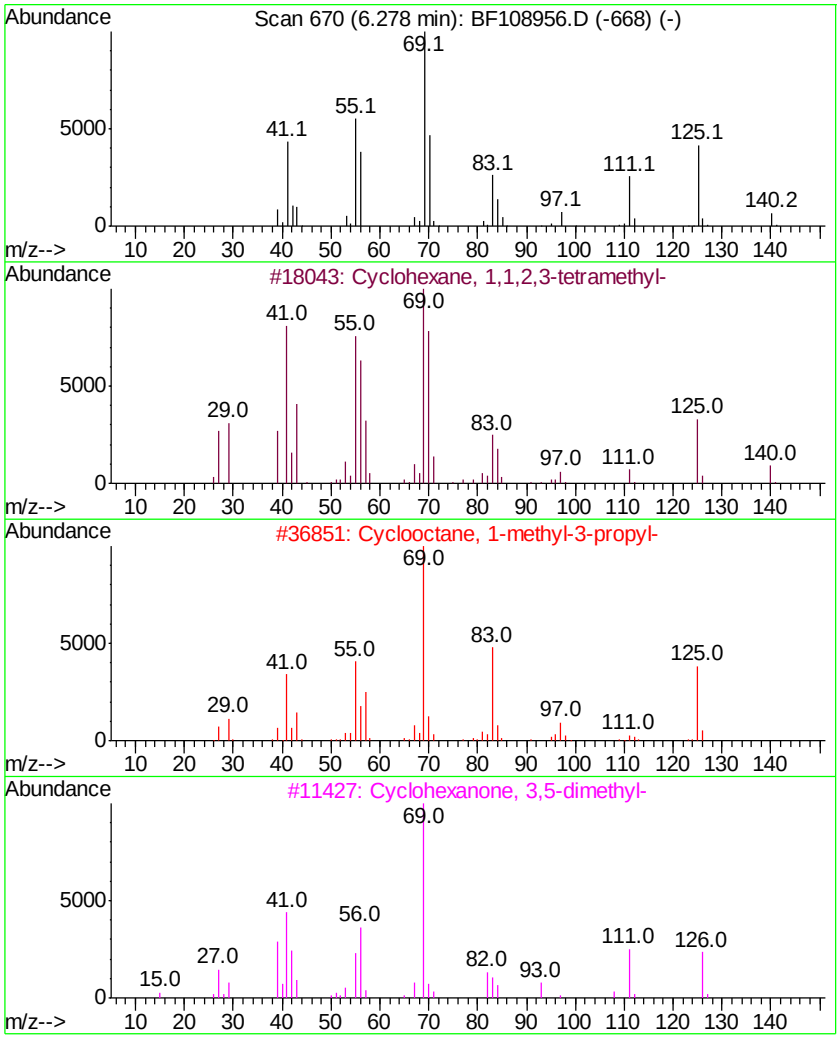
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

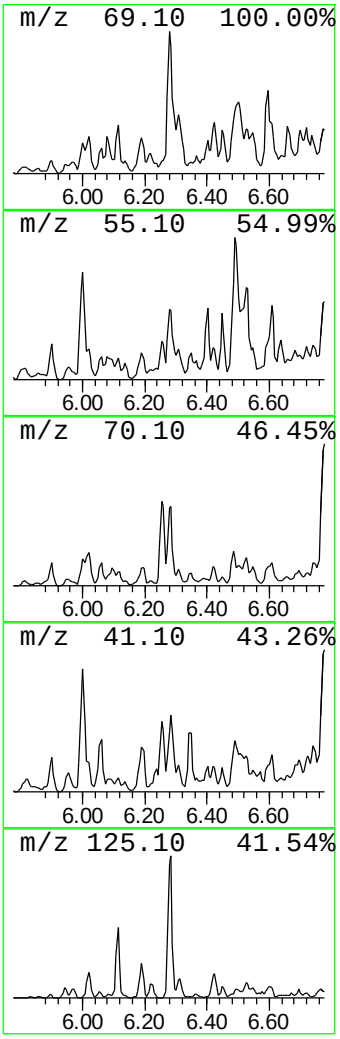
**********

Peak Number 4 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.28 | 31.50 ng | 3881640 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,1,2,3-tetramethyl- | 140 | C10H20 | 006783-92-2 | 50 |
| 2 | Cyclooctane, 1-methyl-3-propyl- | 168 | C12H24 | 255885-37-1 | 47 |
| 3 | Cyclohexanone, 3,5-dimethyl- | 126 | C8H14O | 002320-30-1 | 46 |
| 4 | 4-Octene, 2,6-dimethyl-, [S-(E)]- | 140 | C10H20 | 062960-76-3 | 46 |
| 5 | 2-Nonene, 2-methyl- | 140 | C10H20 | 002129-95-5 | 43 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

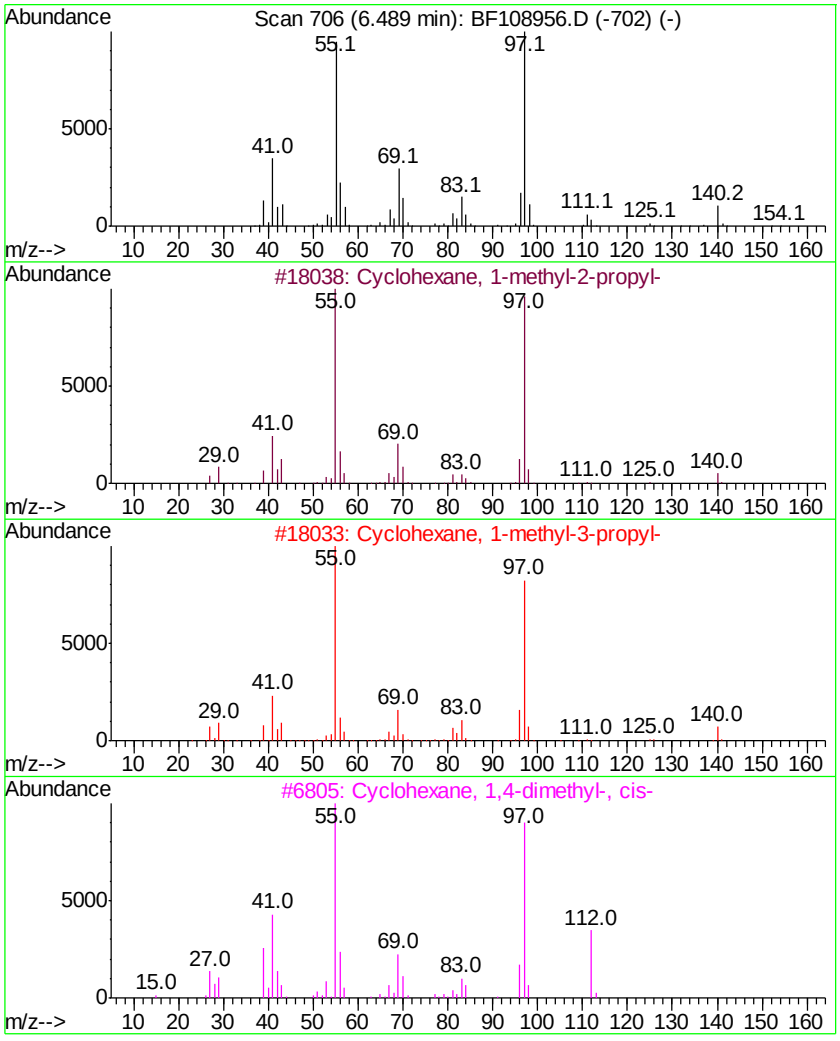
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

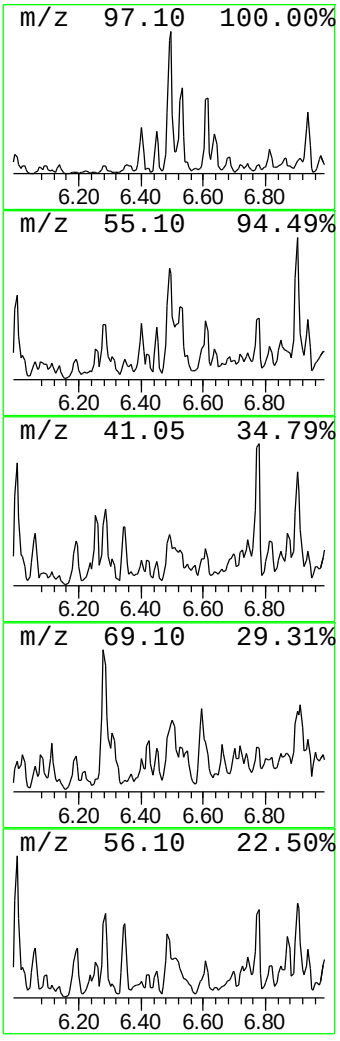
**********

Peak Number 5 Cyclohexane, 1-methyl-2-pro... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.49 | 28.23 ng | 3478870 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1-methyl-2-propyl- | 140 | C10H20 | 004291-79-6 | 90 |
| 2 | Cyclohexane, 1-methyl-3-propyl- | 140 | C10H20 | 004291-80-9 | 87 |
| 3 | Cyclohexane, 1,4-dimethyl-, cis- | 112 | C8H16 | 000624-29-3 | 80 |
| 4 | Ethanone, 1-(1-methylcyclohexyl)- | 140 | C9H16O | 002890-62-2 | 64 |
| 5 | Cyclohexane, 1-methyl-4-(1-methy... | 140 | C10H20 | 001678-82-6 | 58 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

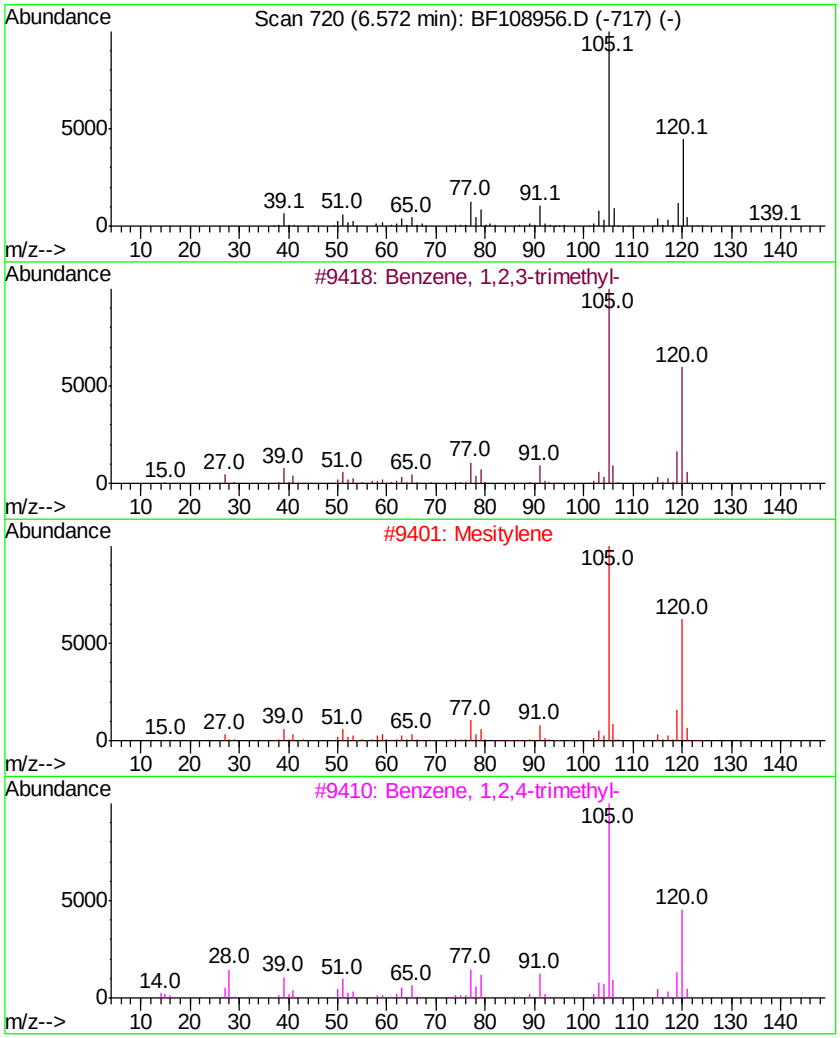
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

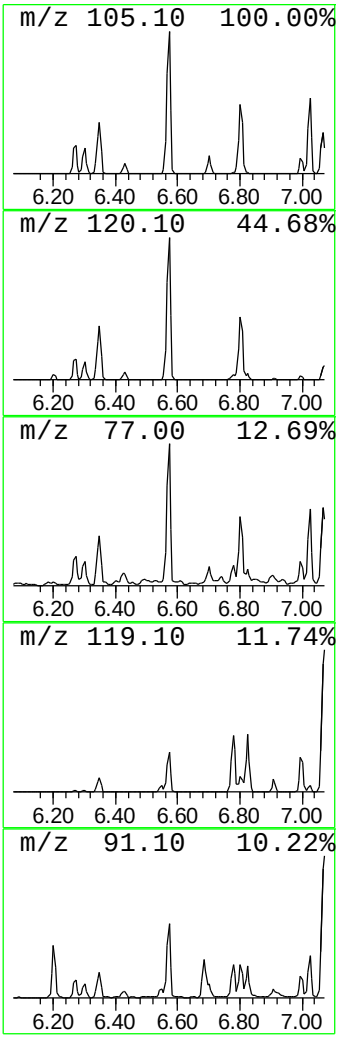
**********

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.57 | 25.64 ng | 3160460 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 97 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 94 |
| 3 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 94 |
| 4 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 90 |
| 5 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 90 |



Library Search Compound Report

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Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

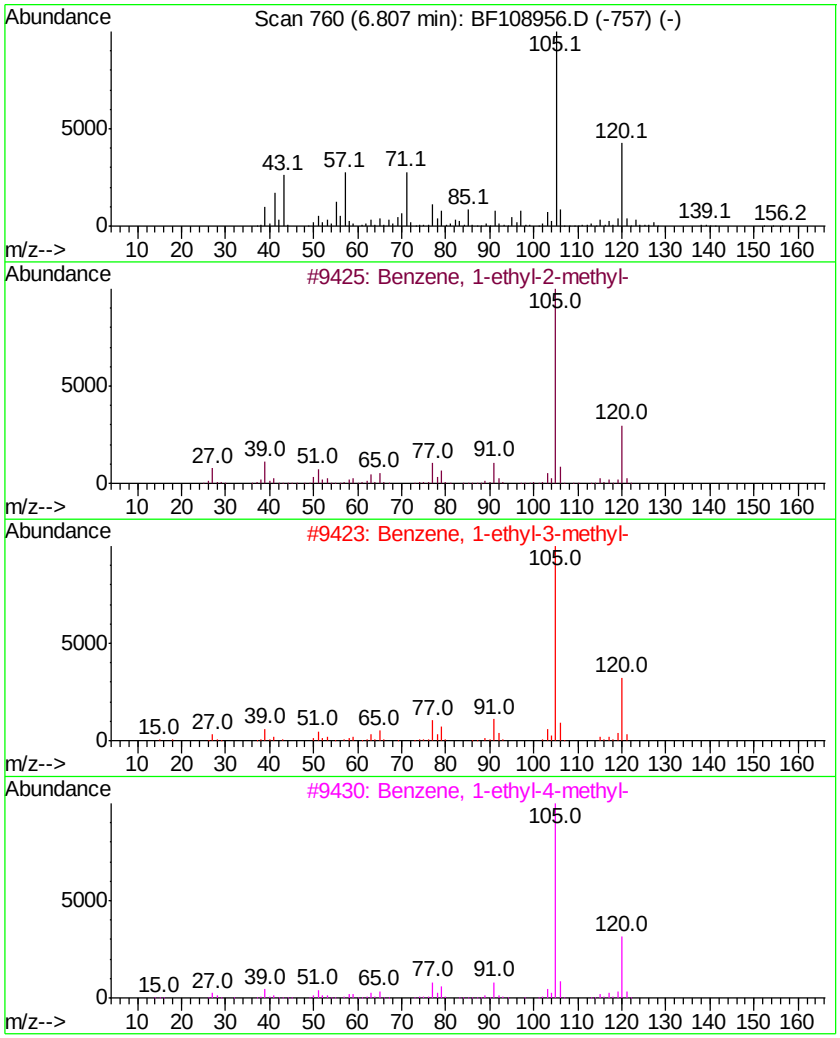
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

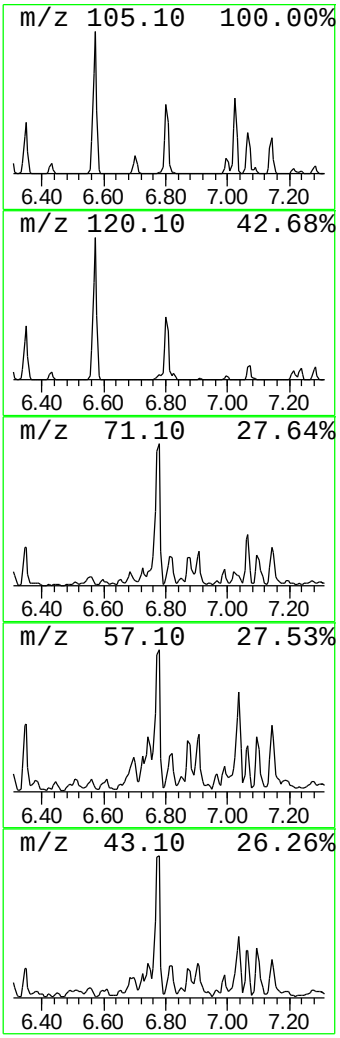
**********

Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.81 | 29.65 ng | 3654380 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethyl-2-methyl- | 120 | C9H12 | 000611-14-3 | 70 |
| 2 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 70 |
| 3 | Benzene, 1-ethyl-4-methyl- | 120 | C9H12 | 000622-96-8 | 64 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 64 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 64 |



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Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

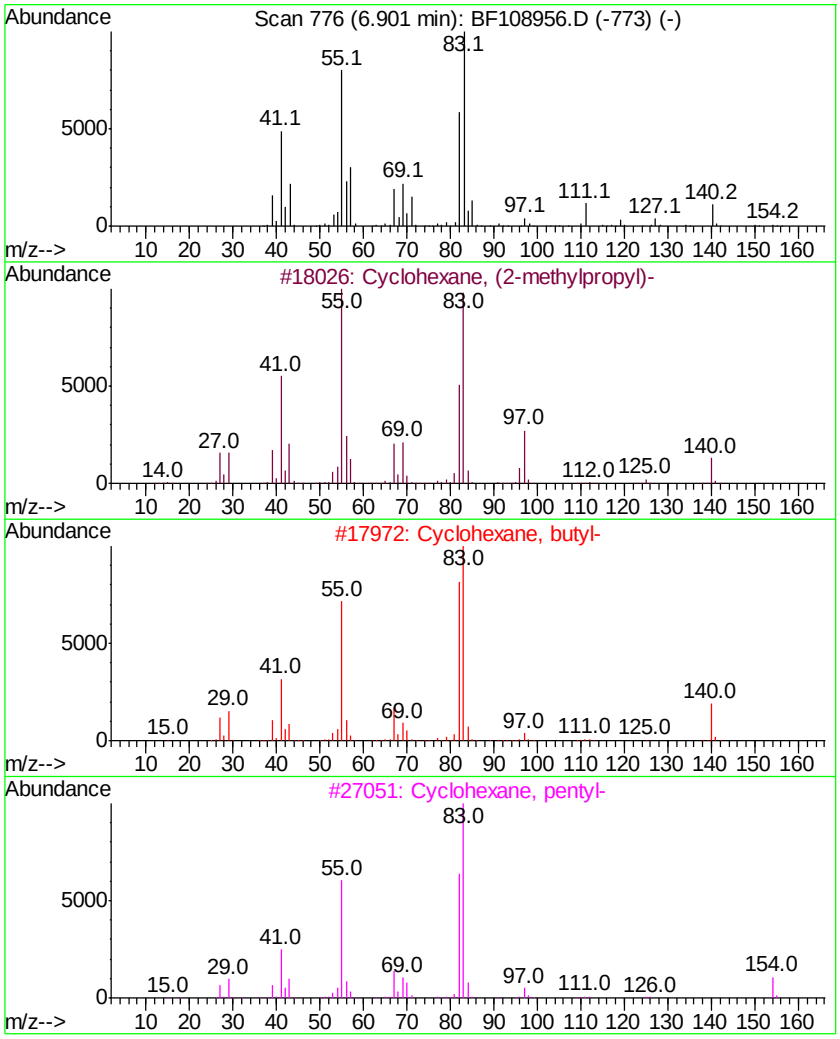
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

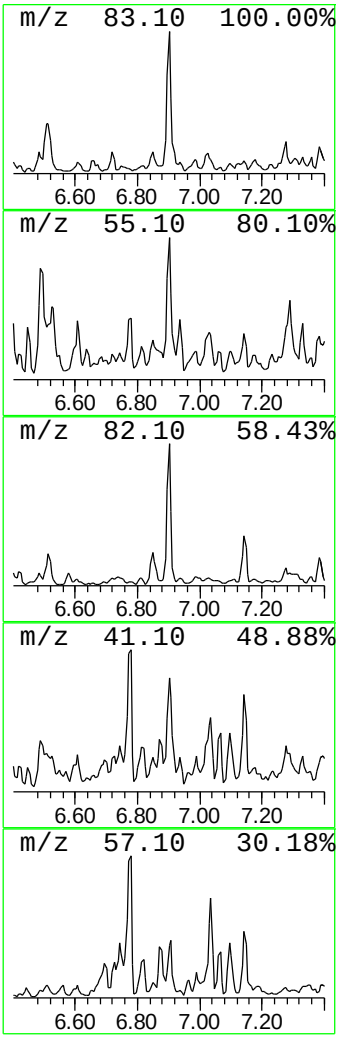
**********

Peak Number 9 Cyclohexane, (2-methylpropyl)- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.90 | 36.12 ng | 4451470 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, (2-methylpropyl)- | 140 | C10H20 | 001678-98-4 | 83 |
| 2 | Cyclohexane, butyl- | 140 | C10H20 | 001678-93-9 | 81 |
| 3 | Cyclohexane, pentyl- | 154 | C11H22 | 004292-92-6 | 68 |
| 4 | Cyclohexane, propyl- | 126 | C9H18 | 001678-92-8 | 64 |
| 5 | Cyclohexane, octyl- | 196 | C14H28 | 001795-15-9 | 59 |



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Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

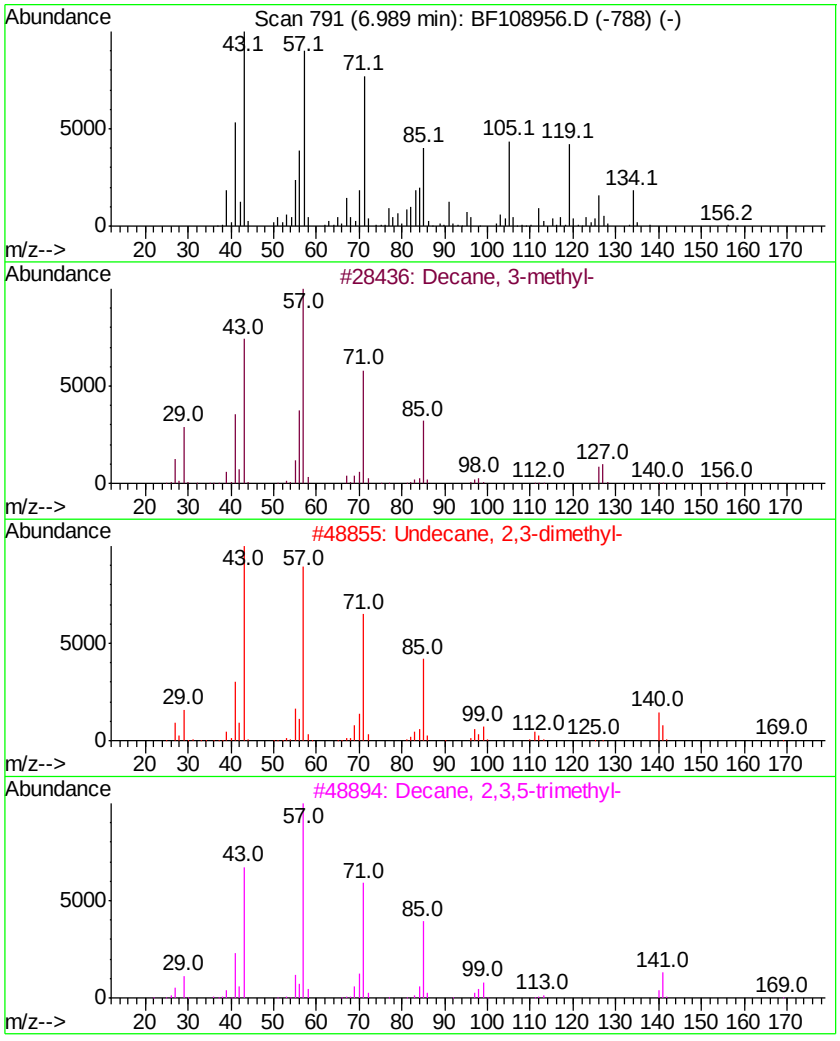
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

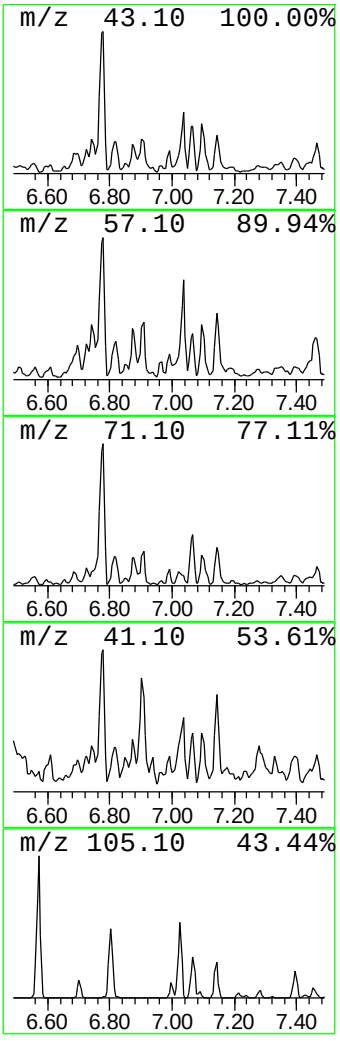
**********

Peak Number 10 Decane, 3-methyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.99 | 14.70 ng | 1812260 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 3-methyl- | 156 | C11H24 | 013151-34-3 | 62 |
| 2 | Undecane, 2,3-dimethyl- | 184 | C13H28 | 017312-77-5 | 43 |
| 3 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 43 |
| 4 | Octane, 1,1'-oxybis- | 242 | C16H34O | 000629-82-3 | 43 |
| 5 | 2,3-Dimethyldecane | 170 | C12H26 | 017312-44-6 | 43 |



Library Search Compound Report

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Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

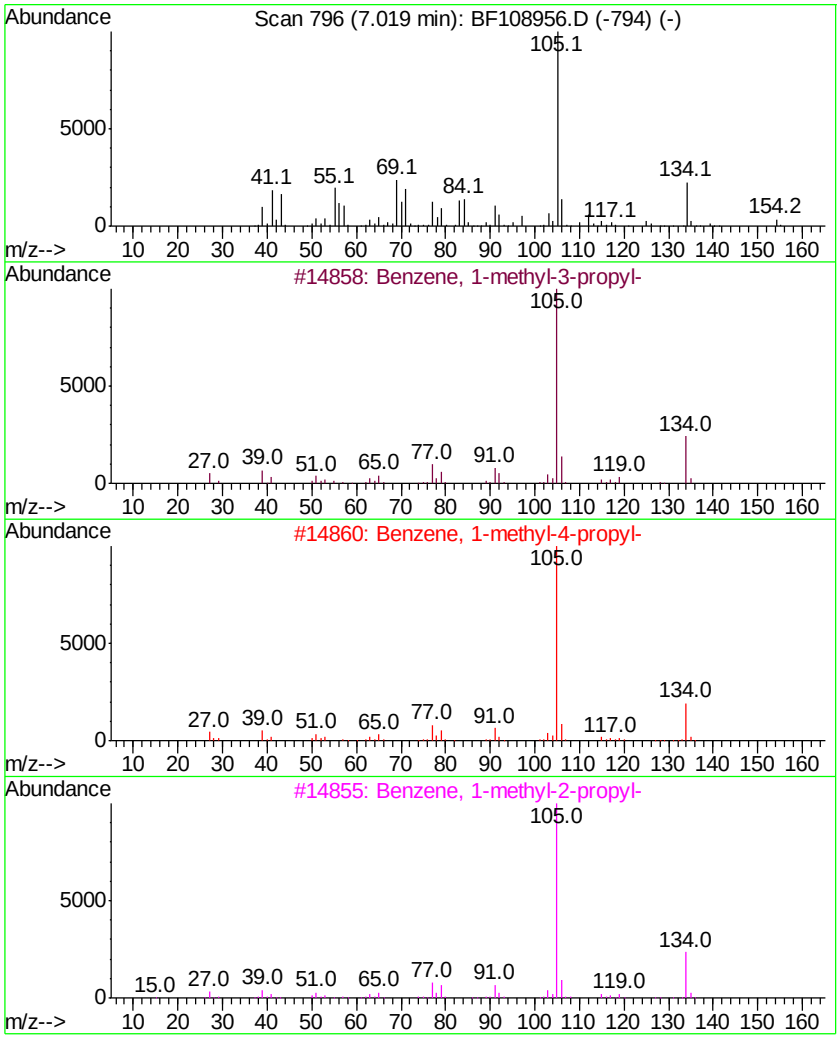
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

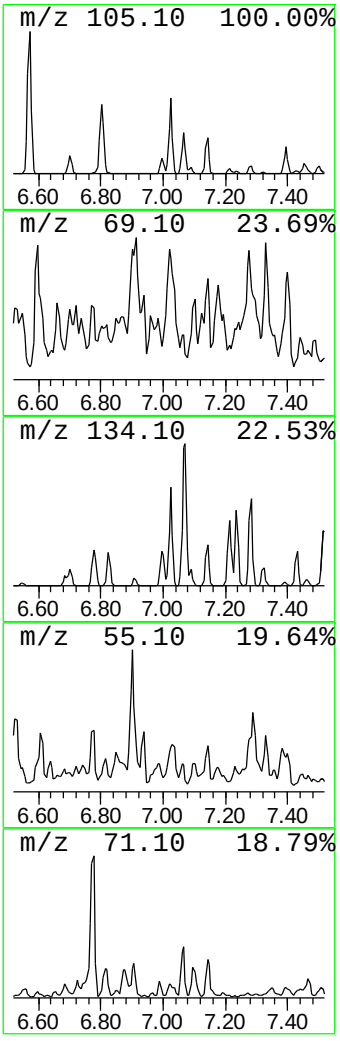
**********

Peak Number 11 Benzene, 1-methyl-3-propyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.02 | 34.37 ng | 4235950 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-3-propyl- | 134 | C10H14 | 001074-43-7 | 91 |
| 2 | Benzene, 1-methyl-4-propyl- | 134 | C10H14 | 001074-55-1 | 81 |
| 3 | Benzene, 1-methyl-2-propyl- | 134 | C10H14 | 001074-17-5 | 81 |
| 4 | 2-Tolyloxirane | 134 | C9H10O | 002783-26-8 | 68 |
| 5 | Oxirane, 2-methyl-2-phenyl- | 134 | C9H10O | 002085-88-3 | 59 |



Library Search Compound Report

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Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

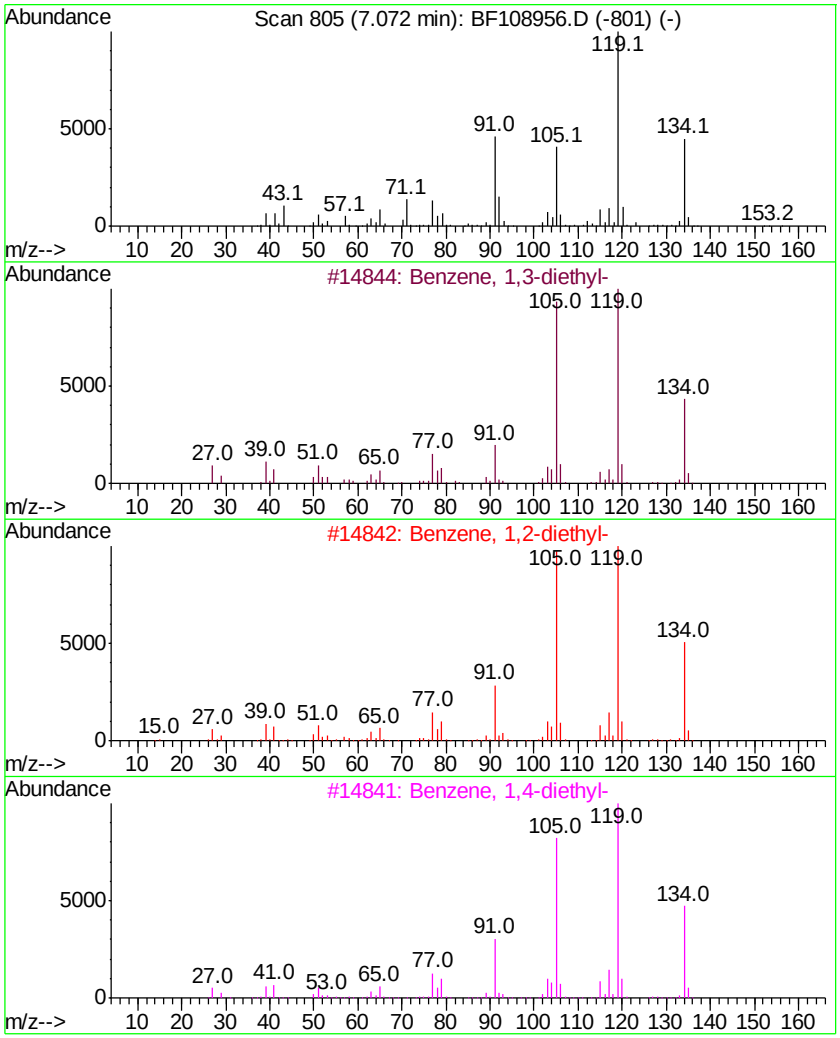
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

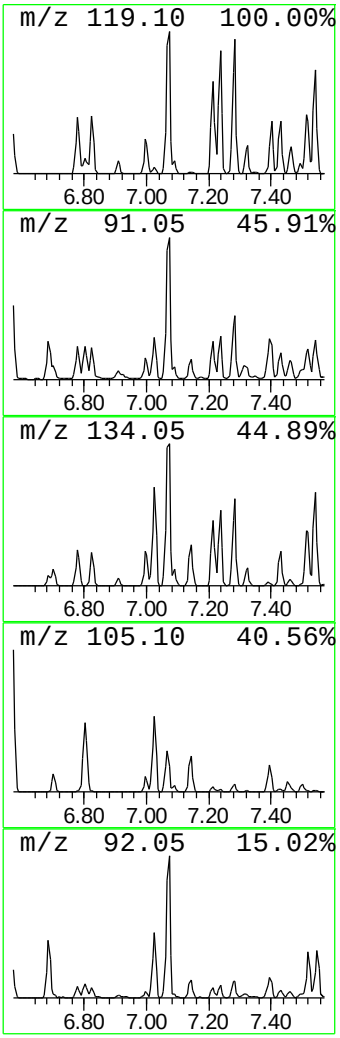
**********

Peak Number 12 Benzene, 1,3-diethyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.07 | 28.64 ng | 3530150 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 96 |
| 2 | Benzene, 1,2-diethyl- | 134 | C10H14 | 000135-01-3 | 93 |
| 3 | Benzene, 1,4-diethyl- | 134 | C10H14 | 000105-05-5 | 92 |
| 4 | o-Cymene | 134 | C10H14 | 000527-84-4 | 83 |
| 5 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 83 |



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Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

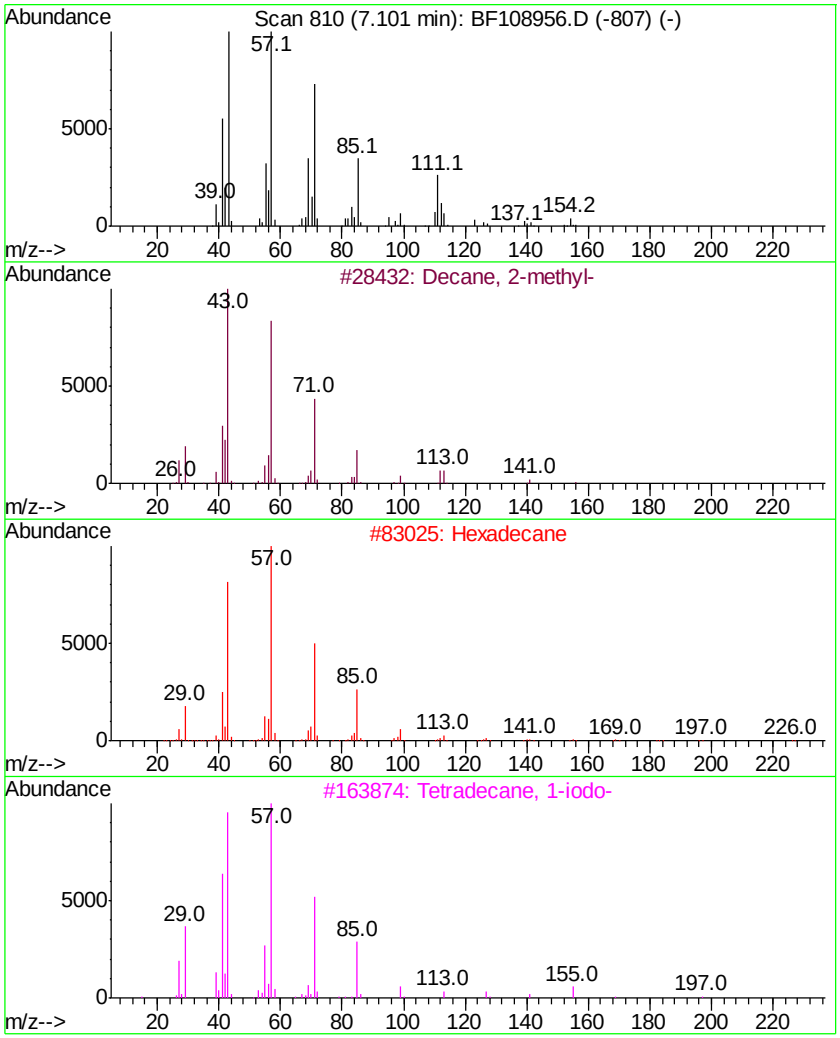
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

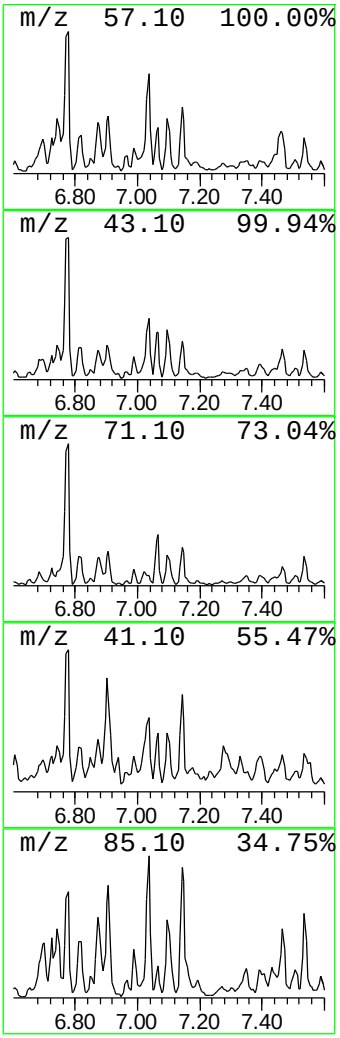
**********

Peak Number 13 Decane, 2-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.10 | 15.08 ng | 1858850 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 2-methyl- | 156 | C11H24 | 006975-98-0 | 87 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 59 |
| 3 | Tetradecane, 1-iodo- | 324 | C14H29I | 019218-94-1 | 53 |
| 4 | Heptacosane | 380 | C27H56 | 000593-49-7 | 53 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 53 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

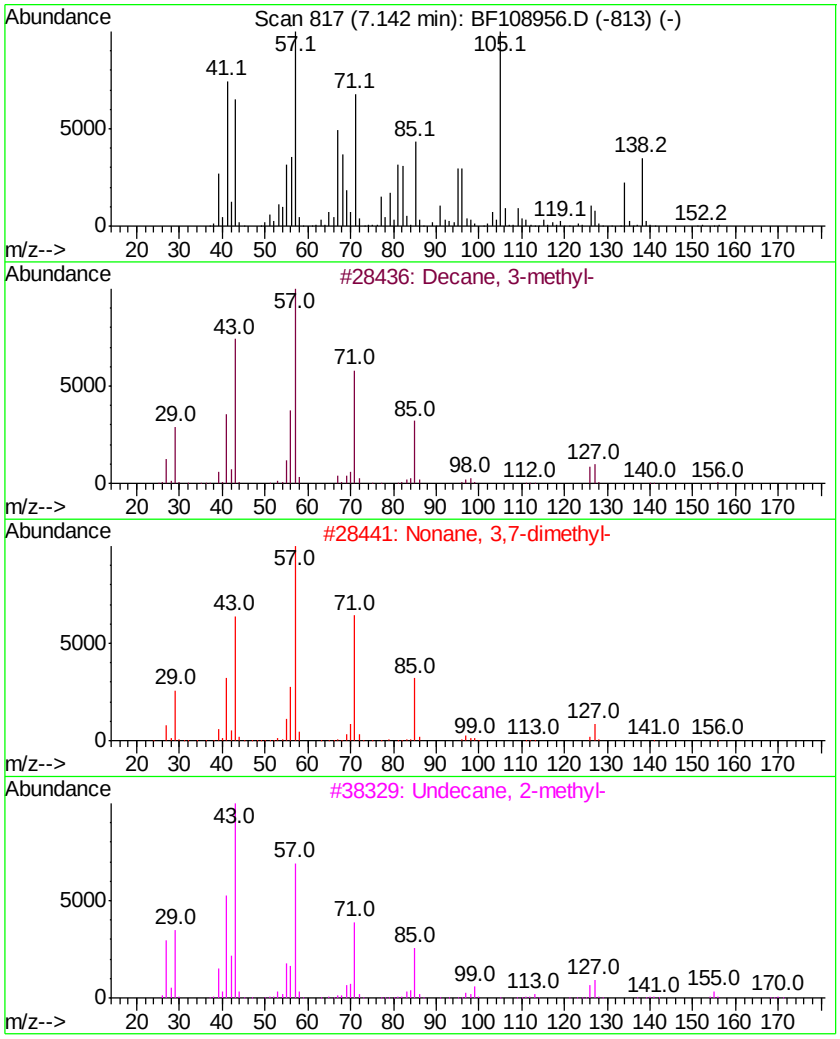
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

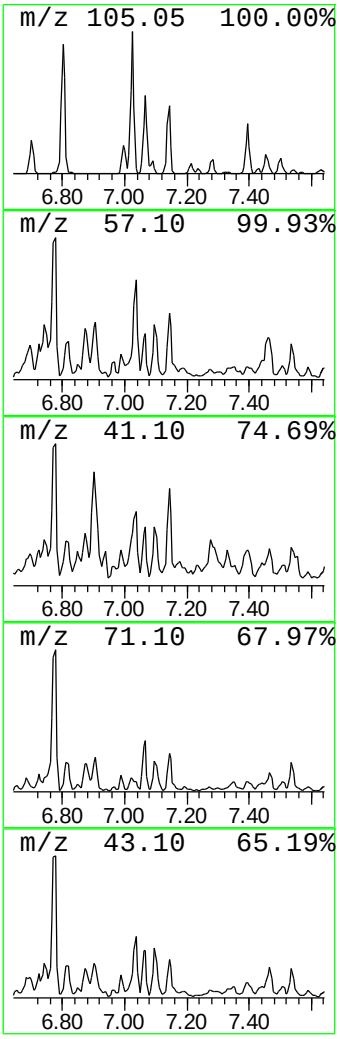
**********

Peak Number 14 unknown7.14 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.14 | 28.78 ng | 3546550 | 1,4-Dichlorobenzene-d4 | 6.74 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane, 3-methyl- | 156 | C11H24 | 013151-34-3 | 42 |
| 2 | Nonane, 3,7-dimethyl- | 156 | C11H24 | 017302-32-8 | 30 |
| 3 | Undecane, 2-methyl- | 170 | C12H26 | 007045-71-8 | 27 |
| 4 | Sulfurous acid, butyl nonyl ester | 264 | C13H28O3S | 1000309-17-6 | 27 |
| 5 | Cyclohexanol, 5-methyl-2-(1-meth... | 156 | C10H20O | 000490-99-3 | 27 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

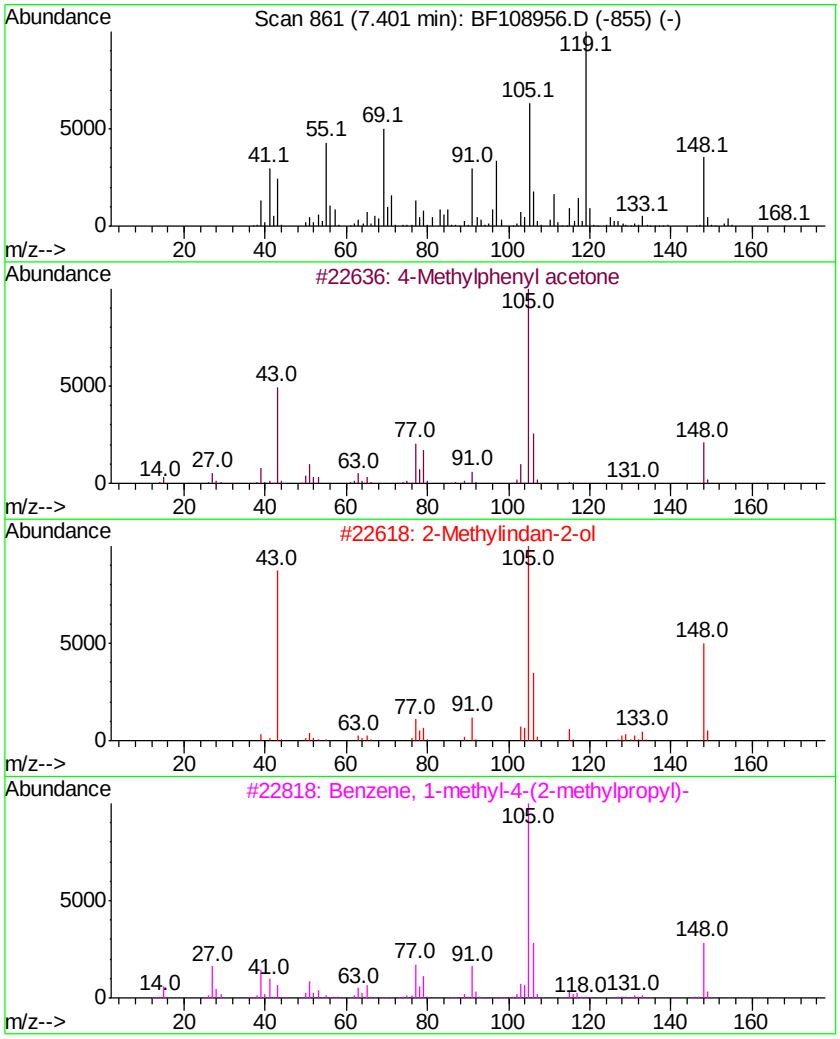
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

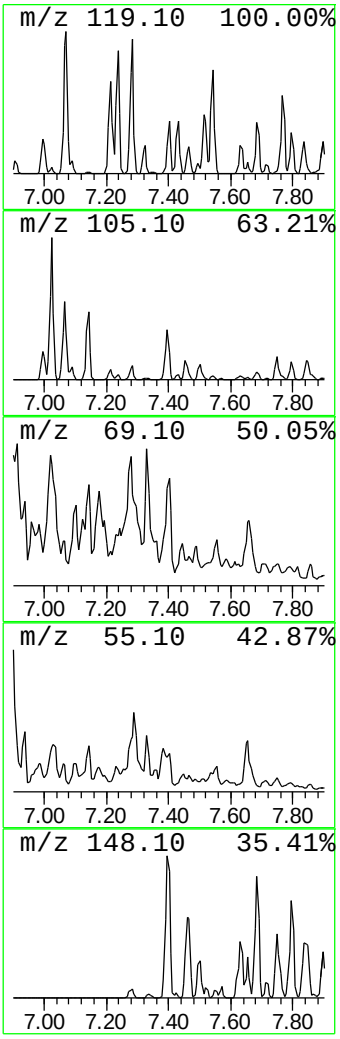
**********

Peak Number 15 unknown7.40 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.40 | 38.68 ng | 2634110 | Naphthalene-d8 | 8.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Methylphenyl acetone | 148 | C10H12O | 002096-86-8 | 46 |
| 2 | 2-Methylindan-2-ol | 148 | C10H12O | 033223-84-6 | 45 |
| 3 | Benzene, 1-methyl-4-(2-methylpro... | 148 | C11H16 | 005161-04-6 | 43 |
| 4 | 3-Buten-2-ol, 4-phenyl- | 148 | C10H12O | 017488-65-2 | 38 |
| 5 | 3-Buten-2-ol, 4-phenyl-, (E)- | 148 | C10H12O | 1000163-70-9 | 38 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

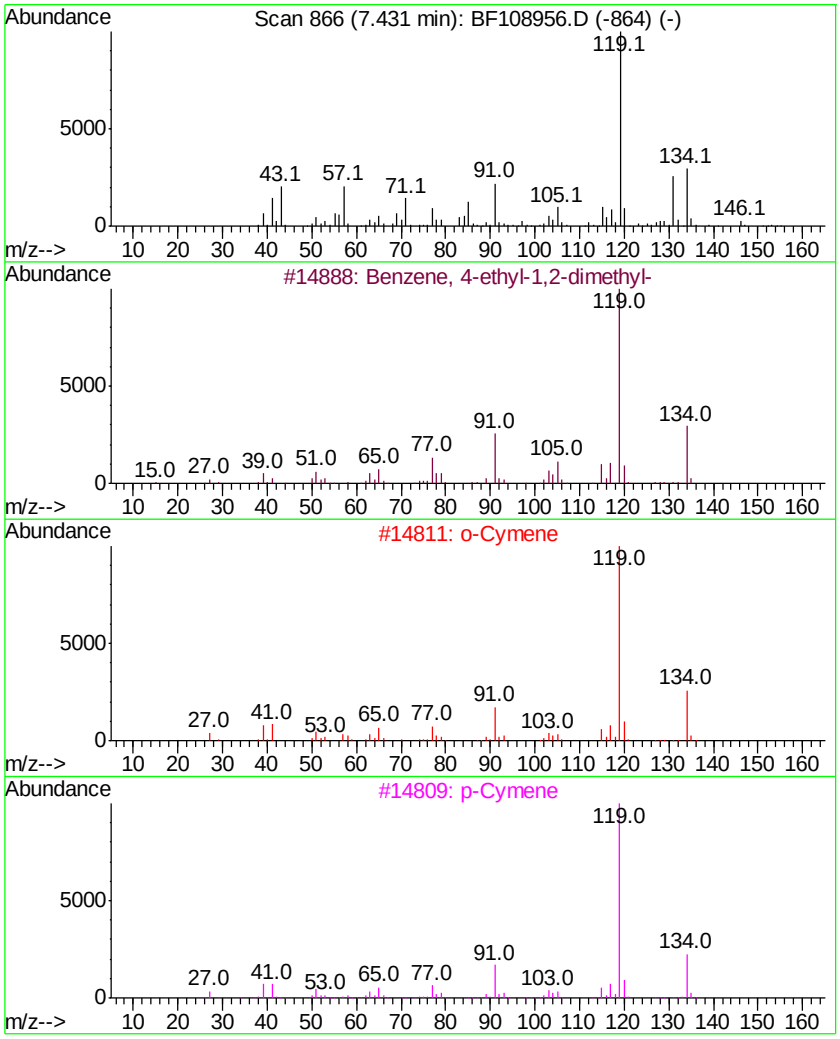
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

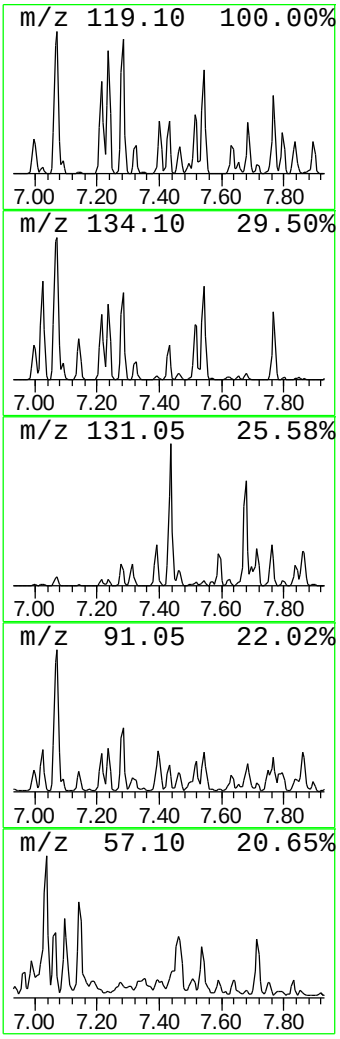
**********

Peak Number 16 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.43 | 15.97 ng | 1087450 | Naphthalene-d8 | 8.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 95 |
| 2 | o-Cymene | 134 | C10H14 | 000527-84-4 | 94 |
| 3 | p-Cymene | 134 | C10H14 | 000099-87-6 | 94 |
| 4 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 93 |
| 5 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 90 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

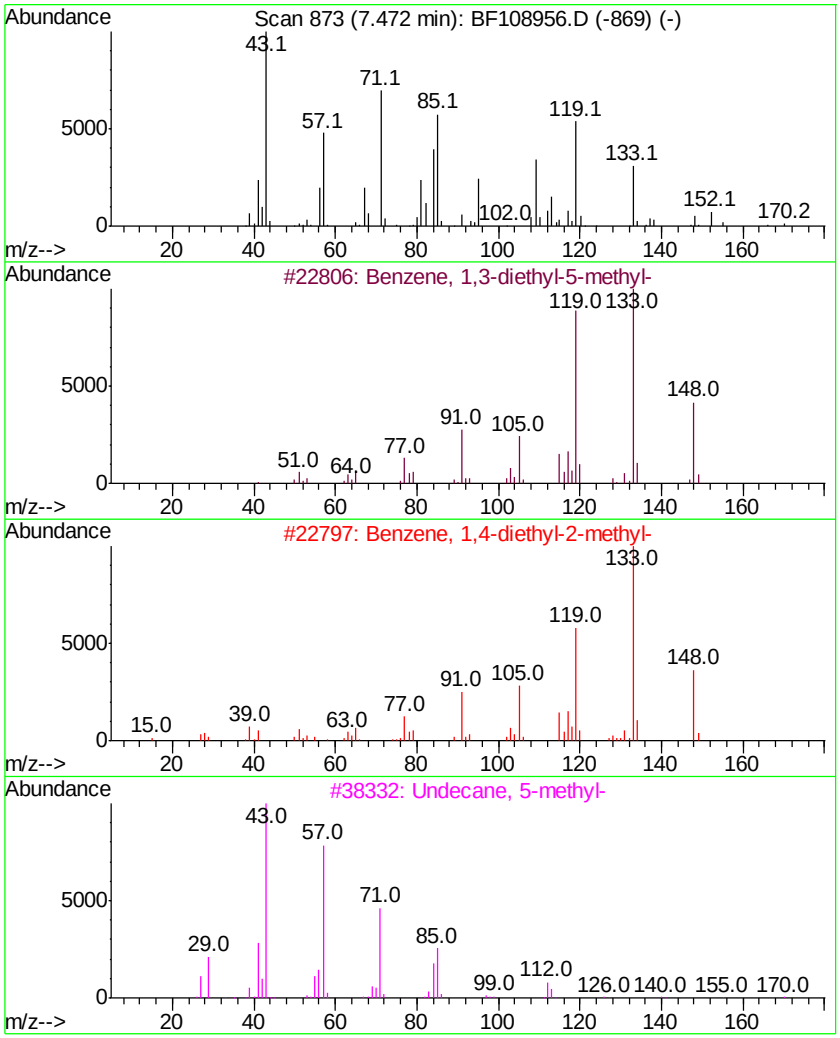
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

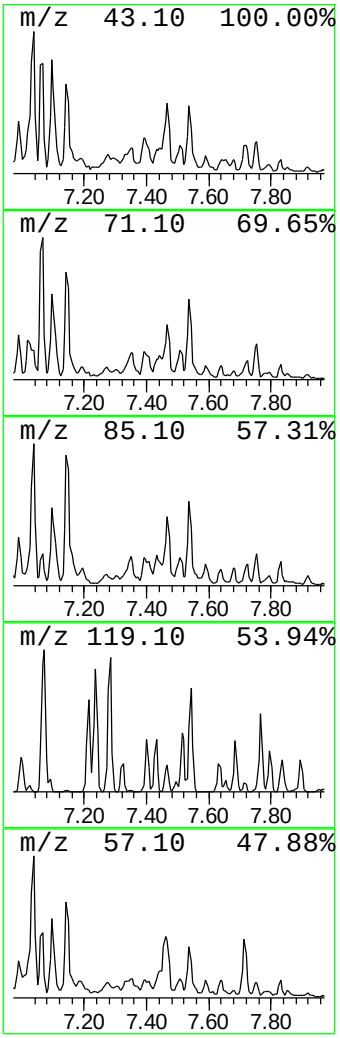
**********

Peak Number 17 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.47 | 22.90 ng | 1559290 | Naphthalene-d8 | 8.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-diethyl-5-methyl- | 148 | C11H16 | 002050-24-0 | 86 |
| 2 | Benzene, 1,4-diethyl-2-methyl- | 148 | C11H16 | 013632-94-5 | 80 |
| 3 | Undecane, 5-methyl- | 170 | C12H26 | 001632-70-8 | 42 |
| 4 | Benzene, pentamethyl- | 148 | C11H16 | 000700-12-9 | 38 |
| 5 | Ethanone, 1-(2,4-dimethylphenyl)- | 148 | C10H12O | 000089-74-7 | 35 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

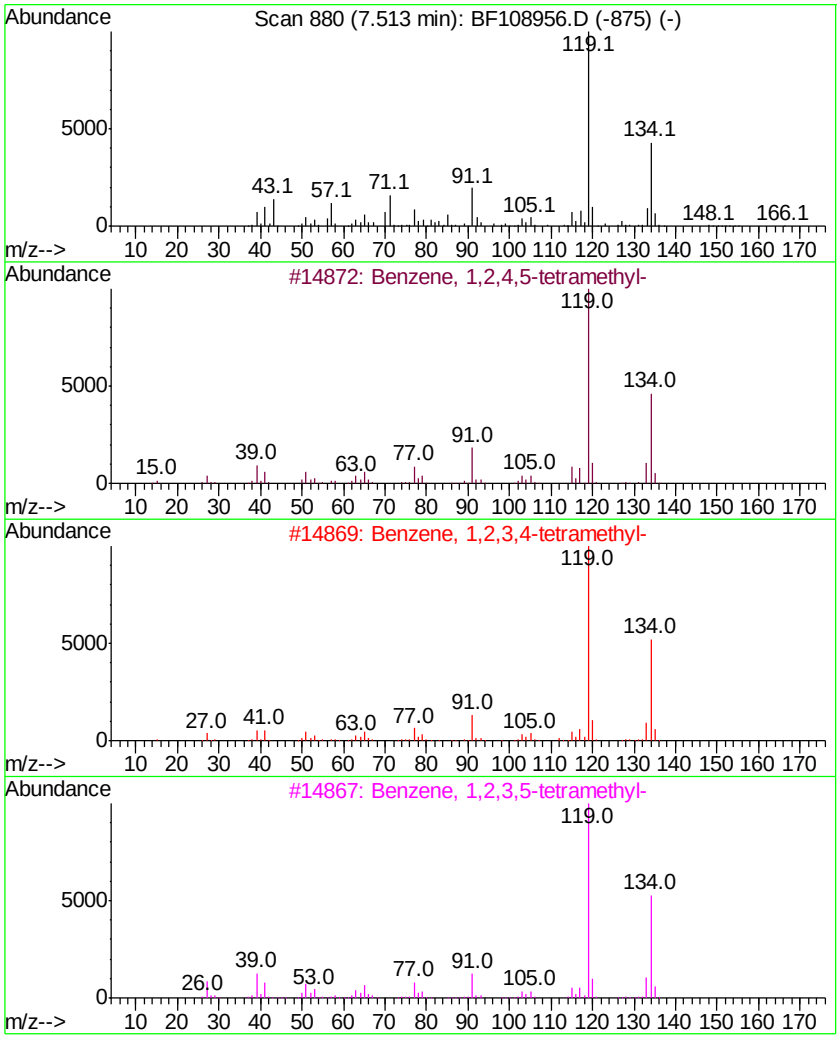
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

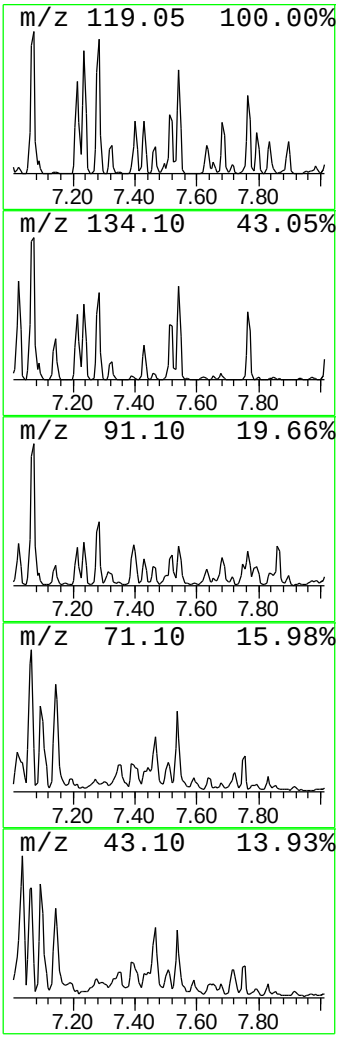
**********

Peak Number 18 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.51 | 19.74 ng | 1344260 | Naphthalene-d8 | 8.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 94 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 93 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 93 |
| 4 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 90 |
| 5 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 90 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

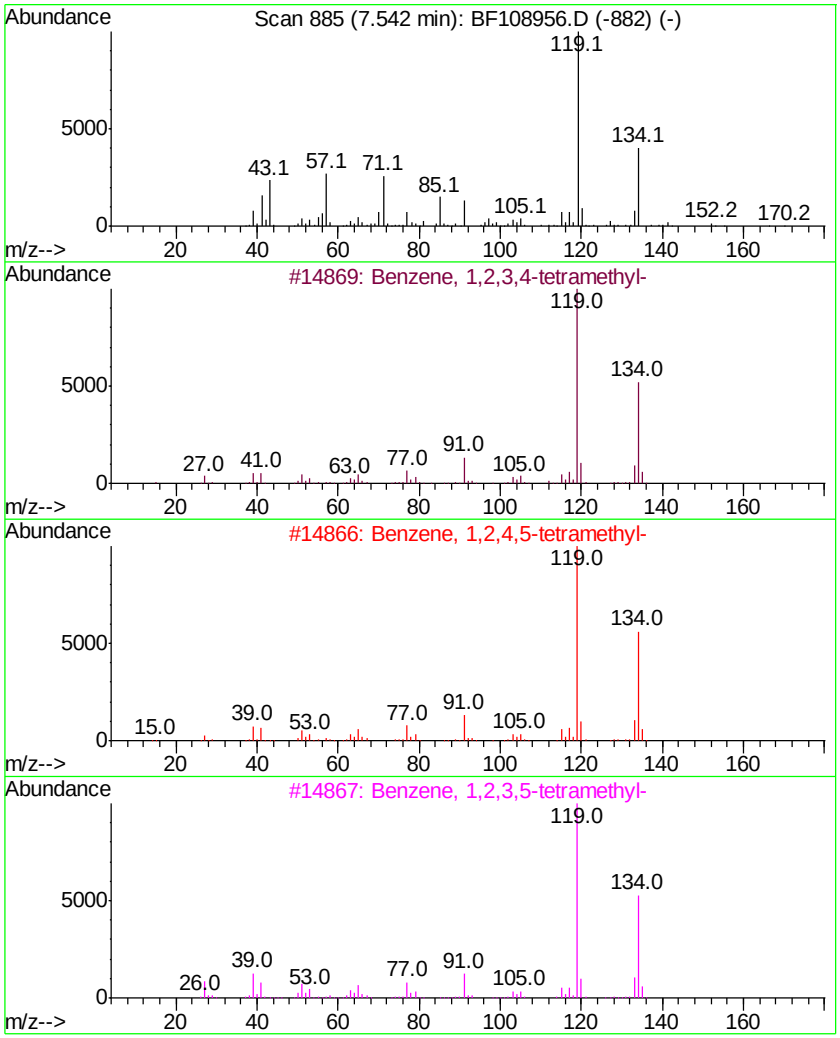
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

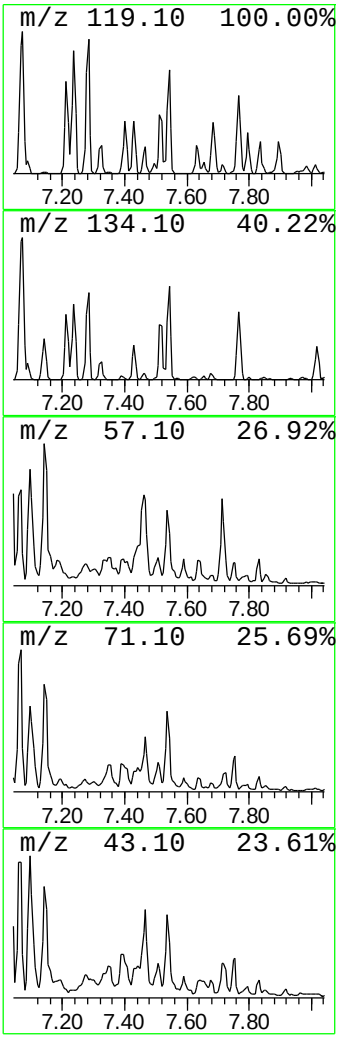
**********

Peak Number 19 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.54 | 34.04 ng | 2318350 | Naphthalene-d8 | 8.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 93 |
| 2 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 93 |
| 3 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 93 |
| 4 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 81 |
| 5 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 81 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091218\
Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

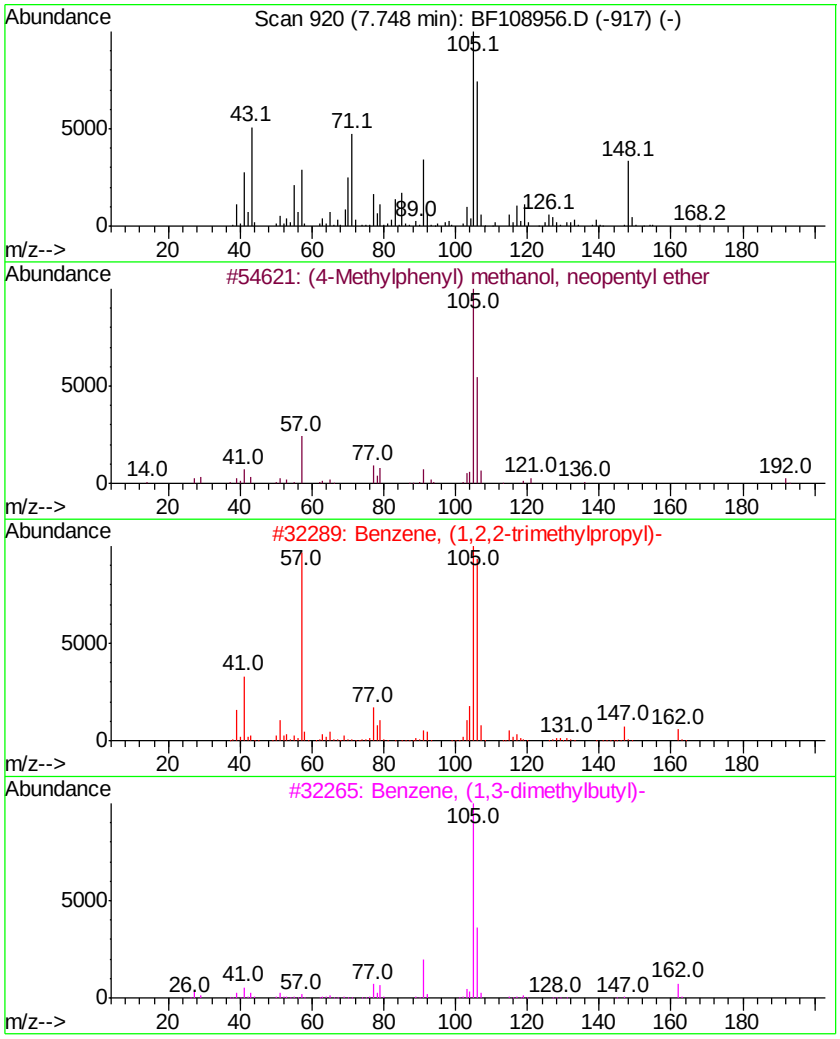
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

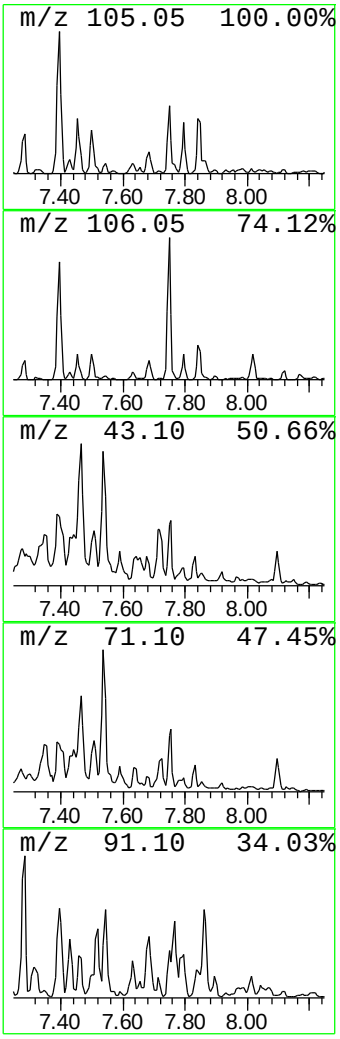
**********

Peak Number 20 unknown7.75 Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.75 | 13.24 ng | 901508 | Naphthalene-d8 | 8.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (4-Methylphenyl) methanol, neope... | 192 | C13H20O | 1000374-65-9 | 38 |
| 2 | Benzene, (1,2,2-trimethylpropyl)- | 162 | C12H18 | 019262-20-5 | 38 |
| 3 | Benzene, (1,3-dimethylbutyl)- | 162 | C12H18 | 019219-84-2 | 27 |
| 4 | Benzene, 1-methyl-4-(2-methylpro... | 148 | C11H16 | 005161-04-6 | 25 |
| 5 | Propanenitrile, 3-(phenylamino)- | 146 | C9H10N2 | 001075-76-9 | 22 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091218\
Data File : BF108956.D
Acq On : 12 Sep 2018 18:06
Operator : JU/SJ
Sample : J4724-16 50X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.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 |
| Nonane, 3-methyl- | 6.00 | 29.7 | ng | 3663340 | 1 | 6.74 | 2464870 | 20.0 |
| Oxalic acid, isob... | 6.19 | 16.2 | ng | 1993080 | 1 | 6.74 | 2464870 | 20.0 |
| Nonane, 4-methyl- | 6.25 | 13.9 | ng | 1716140 | 1 | 6.74 | 2464870 | 20.0 |
| Cyclohexane, 1,1,... | 6.28 | 31.5 | ng | 3881640 | 1 | 6.74 | 2464870 | 20.0 |
| Cyclohexane, 1-me... | 6.49 | 28.2 | ng | 3478870 | 1 | 6.74 | 2464870 | 20.0 |
| Benzene, 1,2,3-tr... | 6.57 | 25.6 | ng | 3160460 | 1 | 6.74 | 2464870 | 20.0 |
| Benzene, 1-ethyl-... | 6.81 | 29.6 | ng | 3654380 | 1 | 6.74 | 2464870 | 20.0 |
| Cyclohexane, (2-m... | 6.90 | 36.1 | ng | 4451470 | 1 | 6.74 | 2464870 | 20.0 |
| Decane, 3-methyl- | 6.99 | 14.7 | ng | 1812260 | 1 | 6.74 | 2464870 | 20.0 |
| Benzene, 1-methyl... | 7.02 | 34.4 | ng | 4235950 | 1 | 6.74 | 2464870 | 20.0 |
| Benzene, 1,3-diet... | 7.07 | 28.6 | ng | 3530150 | 1 | 6.74 | 2464870 | 20.0 |
| Decane, 2-methyl- | 7.10 | 15.1 | ng | 1858850 | 1 | 6.74 | 2464870 | 20.0 |
| unknown7.14 | 7.14 | 28.8 | ng | 3546550 | 1 | 6.74 | 2464870 | 20.0 |
| unknown7.40 | 7.40 | 38.7 | ng | 2634110 | 2 | 8.02 | 1361950 | 20.0 |
| Benzene, 4-ethyl-... | 7.43 | 16.0 | ng | 1087450 | 2 | 8.02 | 1361950 | 20.0 |
| Benzene, 1,3-diet... | 7.47 | 22.9 | ng | 1559290 | 2 | 8.02 | 1361950 | 20.0 |
| Benzene, 1,2,4,5-... | 7.51 | 19.7 | ng | 1344260 | 2 | 8.02 | 1361950 | 20.0 |
| Benzene, 1,2,3,4-... | 7.54 | 34.0 | ng | 2318350 | 2 | 8.02 | 1361950 | 20.0 |
| unknown7.75 | 7.75 | 13.2 | ng | 901508 | 2 | 8.02 | 1361950 | 20.0 |