LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-B7COMP

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.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 | 3.658 | 117 | 120 | 126 | rVB | 11091 | 20528 | 2.29% | 0.125% |
| 2 | 4.961 | 231 | 234 | 239 | rBV | 15926 | 30647 | 3.41% | 0.187% |
| 3 | 5.350 | 266 | 268 | 269 | rBV | 15031 | 22222 | 2.48% | 0.135% |
| 4 | 5.384 | 269 | 271 | 283 | rVB | 416200 | 450761 | 50.21% | 2.748% |
| 5 | 5.613 | 289 | 291 | 295 | rVB | 22703 | 24789 | 2.76% | 0.151% |
| 6 | 6.436 | 361 | 363 | 369 | rBV | 393904 | 487505 | 54.30% | 2.973% |
| 7 | 6.561 | 372 | 374 | 377 | rVV | 623106 | 544857 | 60.69% | 3.322% |
| 8 | 6.630 | 377 | 380 | 383 | rVB2 | 25851 | 45273 | 5.04% | 0.276% |
| 9 | 6.801 | 392 | 395 | 397 | rBV | 372261 | 517408 | 57.63% | 3.155% |
| 10 | 6.859 | 397 | 400 | 404 | rVB | 8367 | 14857 | 1.65% | 0.091% |
| 11 | 6.950 | 406 | 408 | 411 | rBV | 510868 | 441674 | 49.20% | 2.693% |
| 12 | 7.076 | 416 | 419 | 421 | rVV2 | 11002 | 17534 | 1.95% | 0.107% |
| 13 | 7.122 | 421 | 423 | 427 | rVB2 | 10107 | 15743 | 1.75% | 0.096% |
| 14 | 7.362 | 442 | 444 | 446 | rBV | 374534 | 313130 | 34.88% | 1.909% |
| 15 | 7.396 | 446 | 447 | 449 | rVB | 25968 | 27414 | 3.05% | 0.167% |
| 16 | 7.659 | 468 | 470 | 472 | rBV | 15961 | 14046 | 1.56% | 0.086% |
| 17 | 7.704 | 472 | 474 | 478 | rVB3 | 7561 | 14000 | 1.56% | 0.085% |
| 18 | 7.842 | 481 | 486 | 488 | rBV | 13981 | 29188 | 3.25% | 0.178% |
| 19 | 7.887 | 488 | 490 | 495 | rVB5 | 7317 | 15703 | 1.75% | 0.096% |
| 20 | 8.082 | 505 | 507 | 512 | rVV | 818598 | 793816 | 88.42% | 4.840% |
| 21 | 8.299 | 524 | 526 | 529 | rVB2 | 7818 | 12788 | 1.42% | 0.078% |
| 22 | 8.379 | 529 | 533 | 536 | rBV4 | 13120 | 32691 | 3.64% | 0.199% |
| 23 | 8.470 | 539 | 541 | 542 | rVB | 10628 | 13846 | 1.54% | 0.084% |
| 24 | 8.505 | 542 | 544 | 550 | rBV2 | 24330 | 43226 | 4.81% | 0.264% |
| 25 | 8.676 | 557 | 559 | 562 | rBV | 57278 | 52312 | 5.83% | 0.319% |
| 26 | 8.802 | 566 | 570 | 571 | rBV2 | 59090 | 72137 | 8.04% | 0.440% |
| 27 | 8.893 | 576 | 578 | 583 | rVB | 56287 | 64533 | 7.19% | 0.393% |
| 28 | 8.996 | 585 | 587 | 589 | rVB3 | 7155 | 12773 | 1.42% | 0.078% |
| 29 | 9.042 | 589 | 591 | 593 | rBV2 | 12027 | 13013 | 1.45% | 0.079% |
| 30 | 9.110 | 595 | 597 | 599 | rVB2 | 30242 | 29102 | 3.24% | 0.177% |
| 31 | 9.156 | 599 | 601 | 604 | rBV | 670559 | 609201 | 67.86% | 3.715% |
| 32 | 9.247 | 606 | 609 | 611 | rBV | 69442 | 87217 | 9.71% | 0.532% |
| 33 | 9.305 | 613 | 614 | 617 | rVB3 | 9158 | 15087 | 1.68% | 0.092% |
| 34 | 9.362 | 617 | 619 | 621 | rBV | 15230 | 18779 | 2.09% | 0.115% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-B7COMP

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 9.430 | 623 | 625 | 626 | rBV | 25785 | 32687 | 3.64% | 0.199% |
| 36 | 9.499 | 629 | 631 | 632 | rBV | 88272 | 88207 | 9.83% | 0.538% |
| 37 | 9.522 | 632 | 633 | 635 | rVV2 | 38596 | 58826 | 6.55% | 0.359% |
| 38 | 9.556 | 635 | 636 | 640 | rVB | 132549 | 128658 | 14.33% | 0.784% |
| 39 | 9.613 | 640 | 641 | 644 | rBV2 | 23993 | 28982 | 3.23% | 0.177% |
| 40 | 9.682 | 646 | 647 | 651 | rVB3 | 22796 | 36420 | 4.06% | 0.222% |
| 41 | 9.773 | 651 | 655 | 657 | rBV | 112482 | 106961 | 11.91% | 0.652% |
| 42 | 9.842 | 658 | 661 | 662 | rVV | 554783 | 697457 | 77.69% | 4.253% |
| 43 | 9.865 | 662 | 663 | 668 | rVB4 | 31302 | 43768 | 4.88% | 0.267% |
| 44 | 9.945 | 668 | 670 | 672 | rVB2 | 20680 | 25129 | 2.80% | 0.153% |
| 45 | 10.002 | 672 | 675 | 676 | rBV2 | 13568 | 25589 | 2.85% | 0.156% |
| 46 | 10.036 | 676 | 678 | 681 | rVB3 | 27814 | 39691 | 4.42% | 0.242% |
| 47 | 10.093 | 681 | 683 | 685 | rBV3 | 20346 | 28486 | 3.17% | 0.174% |
| 48 | 10.150 | 687 | 688 | 690 | rBV | 20088 | 27370 | 3.05% | 0.167% |
| 49 | 10.185 | 690 | 691 | 694 | rVB3 | 15481 | 15748 | 1.75% | 0.096% |
| 50 | 10.242 | 694 | 696 | 697 | rBV | 29752 | 32180 | 3.58% | 0.196% |
| 51 | 10.265 | 697 | 698 | 700 | rVB | 83028 | 90102 | 10.04% | 0.549% |
| 52 | 10.322 | 700 | 703 | 705 | rBV4 | 9781 | 22192 | 2.47% | 0.135% |
| 53 | 10.356 | 705 | 706 | 707 | rBV | 25022 | 19826 | 2.21% | 0.121% |
| 54 | 10.379 | 707 | 708 | 712 | rVB2 | 43949 | 53586 | 5.97% | 0.327% |
| 55 | 10.493 | 715 | 718 | 721 | rBV | 47198 | 69773 | 7.77% | 0.425% |
| 56 | 10.539 | 721 | 722 | 724 | rVB | 29680 | 29560 | 3.29% | 0.180% |
| 57 | 10.573 | 724 | 725 | 727 | rBV | 14311 | 20482 | 2.28% | 0.125% |
| 58 | 10.619 | 727 | 729 | 732 | rBV2 | 139007 | 193038 | 21.50% | 1.177% |
| 59 | 10.665 | 732 | 733 | 735 | rVB2 | 13550 | 15825 | 1.76% | 0.096% |
| 60 | 10.745 | 737 | 740 | 743 | rBV | 128657 | 184886 | 20.59% | 1.127% |
| 61 | 10.928 | 755 | 756 | 757 | rBV | 17267 | 20136 | 2.24% | 0.123% |
| 62 | 11.065 | 766 | 768 | 772 | rBV4 | 21128 | 37219 | 4.15% | 0.227% |
| 63 | 11.133 | 772 | 774 | 775 | rVB2 | 12237 | 12952 | 1.44% | 0.079% |
| 64 | 11.190 | 775 | 779 | 780 | rBV | 116501 | 119024 | 13.26% | 0.726% |
| 65 | 11.213 | 780 | 781 | 784 | rVB | 56886 | 80929 | 9.01% | 0.493% |
| 66 | 11.316 | 788 | 790 | 794 | rBV2 | 634683 | 840507 | 93.62% | 5.125% |
| 67 | 11.396 | 796 | 797 | 799 | rVB | 59293 | 43274 | 4.82% | 0.264% |
| 68 | 11.431 | 799 | 800 | 802 | rBV2 | 11120 | 16341 | 1.82% | 0.100% |
| 69 | 11.499 | 804 | 806 | 807 | rBV2 | 13026 | 14328 | 1.60% | 0.087% |
| 70 | 11.556 | 809 | 811 | 814 | rBV2 | 23645 | 44794 | 4.99% | 0.273% |
| 71 | 11.613 | 814 | 816 | 818 | rBV | 103125 | 94662 | 10.54% | 0.577% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-B7COMP

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 11.785 | 829 | 831 | 832 | rBV | 19453 | 31581 | 3.52% | 0.193% |
| 73 | 11.819 | 832 | 834 | 835 | rVV | 51343 | 66078 | 7.36% | 0.403% |
| 74 | 11.853 | 835 | 837 | 838 | rVV | 64553 | 74812 | 8.33% | 0.456% |
| 75 | 11.933 | 842 | 844 | 848 | rVB2 | 78263 | 132231 | 14.73% | 0.806% |
| 76 | 12.025 | 850 | 852 | 853 | rBV | 104375 | 102596 | 11.43% | 0.626% |
| 77 | 12.059 | 853 | 855 | 856 | rBV2 | 13807 | 14953 | 1.67% | 0.091% |
| 78 | 12.116 | 858 | 860 | 861 | rBV | 30897 | 31897 | 3.55% | 0.194% |
| 79 | 12.242 | 870 | 871 | 874 | rBV3 | 27746 | 56123 | 6.25% | 0.342% |
| 80 | 12.299 | 874 | 876 | 880 | rVV3 | 42043 | 68976 | 7.68% | 0.421% |
| 81 | 12.368 | 880 | 882 | 884 | rBV | 61159 | 72631 | 8.09% | 0.443% |
| 82 | 12.413 | 884 | 886 | 888 | rVB2 | 121999 | 145287 | 16.18% | 0.886% |
| 83 | 12.528 | 894 | 896 | 899 | rBV | 283016 | 272914 | 30.40% | 1.664% |
| 84 | 12.631 | 903 | 905 | 908 | rBV3 | 33385 | 82963 | 9.24% | 0.506% |
| 85 | 12.756 | 913 | 916 | 920 | rVV2 | 256201 | 455223 | 50.71% | 2.776% |
| 86 | 12.905 | 926 | 929 | 931 | rBV | 434006 | 471986 | 52.57% | 2.878% |
| 87 | 13.088 | 942 | 945 | 947 | rBV | 71586 | 116118 | 12.93% | 0.708% |
| 88 | 13.134 | 947 | 949 | 952 | rBV2 | 161852 | 232871 | 25.94% | 1.420% |
| 89 | 13.476 | 977 | 979 | 981 | rBV | 209281 | 235373 | 26.22% | 1.435% |
| 90 | 13.808 | 1006 | 1008 | 1013 | rVB | 253355 | 267510 | 29.80% | 1.631% |
| 91 | 13.956 | 1018 | 1021 | 1027 | rVV2 | 577684 | 896223 | 99.83% | 5.465% |
| 92 | 14.128 | 1033 | 1036 | 1037 | rBV | 224879 | 297177 | 33.10% | 1.812% |
| 93 | 14.425 | 1060 | 1062 | 1064 | rBV | 209350 | 279112 | 31.09% | 1.702% |
| 94 | 14.722 | 1086 | 1088 | 1095 | rVB2 | 237597 | 391030 | 43.56% | 2.384% |
| 95 | 15.042 | 1114 | 1116 | 1118 | rVB | 261644 | 302792 | 33.73% | 1.846% |
| 96 | 15.385 | 1143 | 1146 | 1154 | rVB2 | 422754 | 897780 | 100.00% | 5.474% |
| 97 | 15.499 | 1154 | 1156 | 1161 | rVB2 | 233792 | 350245 | 39.01% | 2.136% |
| 98 | 16.025 | 1200 | 1202 | 1209 | rVB | 322473 | 753419 | 83.92% | 4.594% |
| 99 | 16.265 | 1221 | 1223 | 1228 | rVB | 173329 | 343054 | 38.21% | 2.092% |
| 100 | 16.425 | 1234 | 1237 | 1242 | rVB | 326237 | 599909 | 66.82% | 3.658% |

Sum of corrected areas: 16400259

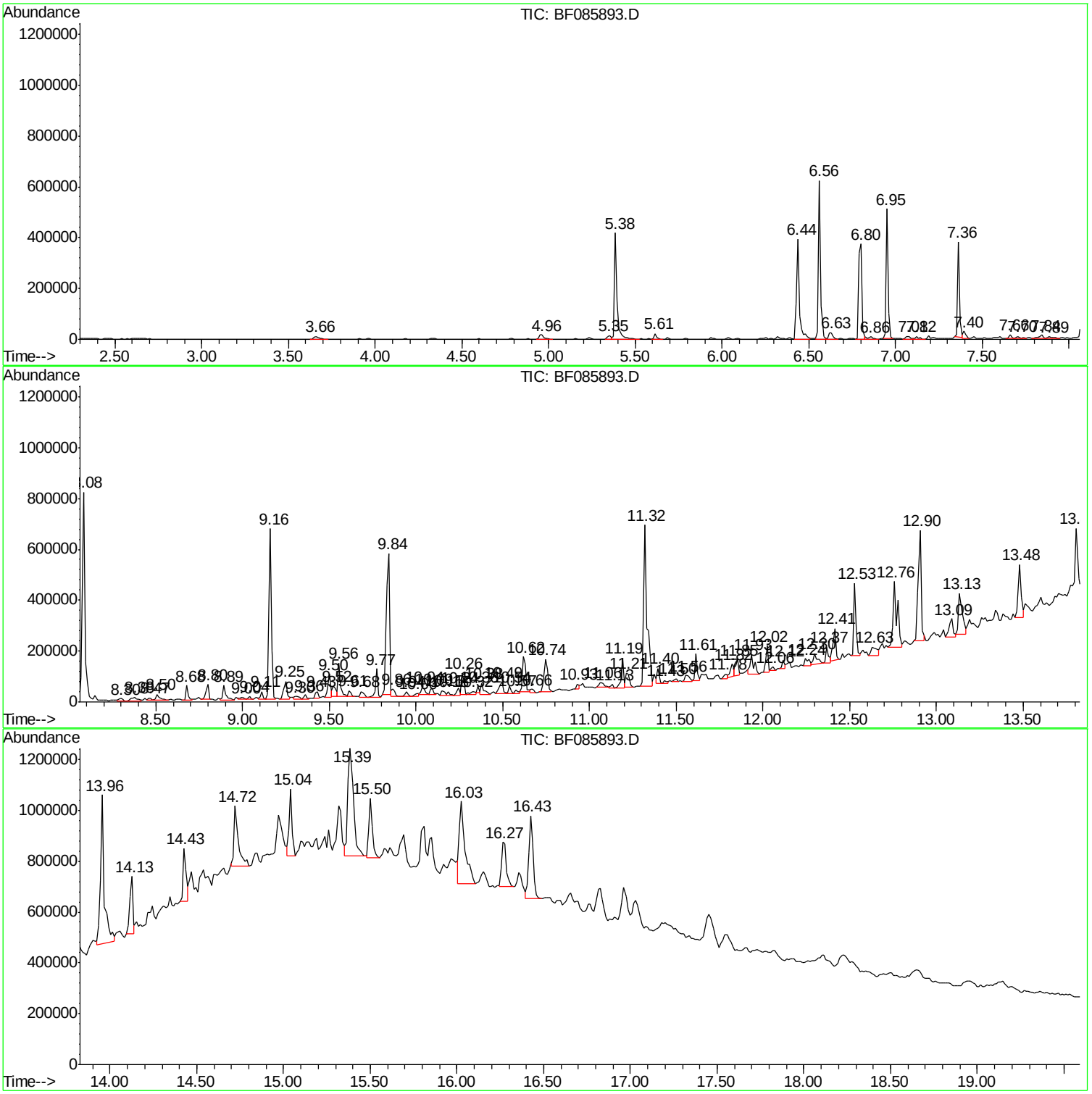
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-B7COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-B7COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

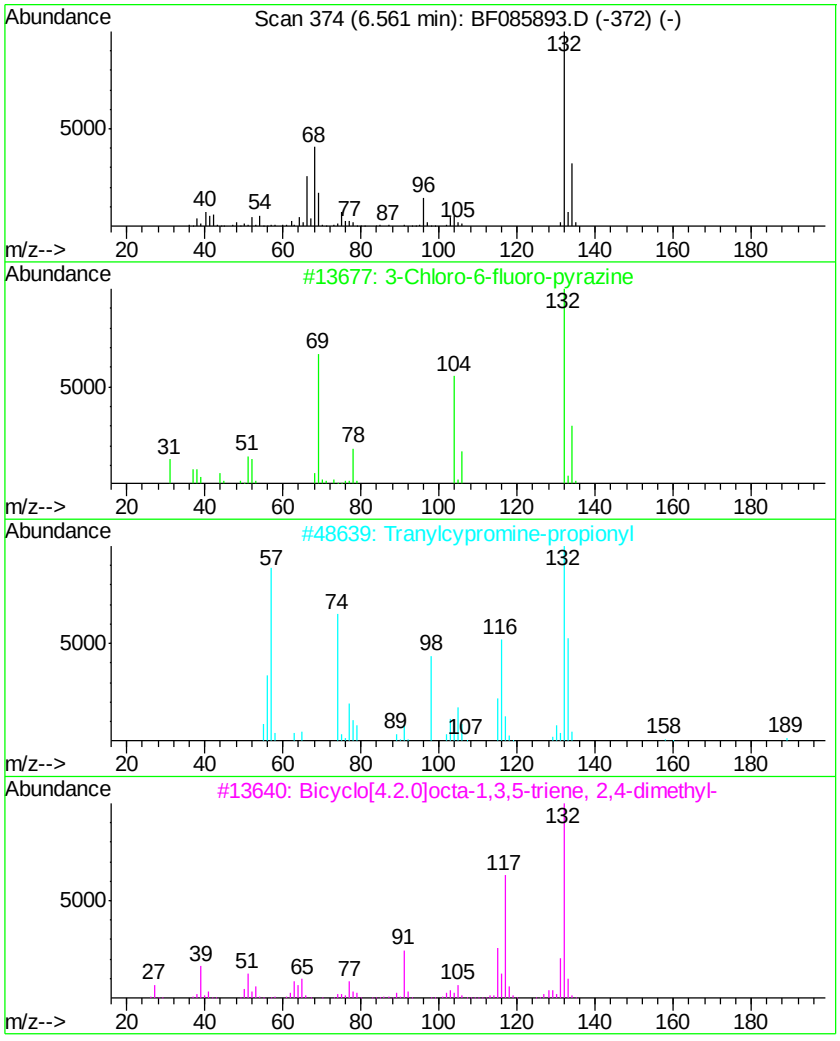
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

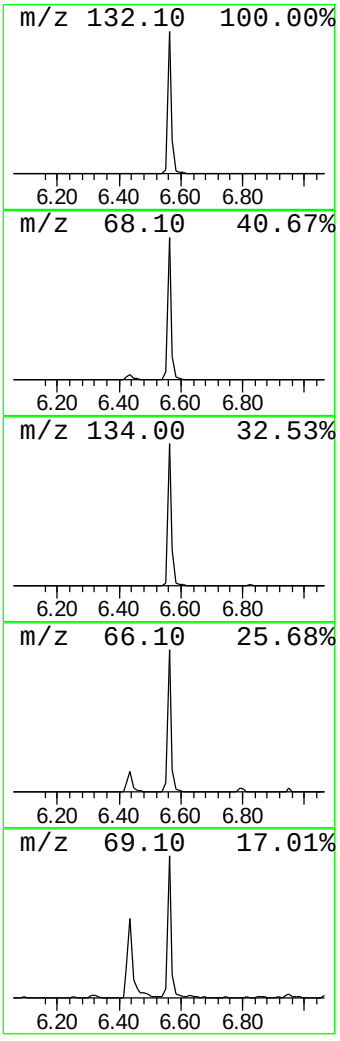
**********

Peak Number 1 unknown6.56 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.56 | 21.06 ng | 544857 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Chloro-6-fluoro-pyrazine | 132 | C4H2ClFN2 | 1000146-10-7 | 35 |
| 2 | Tranylcypromine-propionyl | 189 | C12H15NO | 1000123-86-3 | 10 |
| 3 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 132 | C10H12 | 028749-81-7 | 9 |
| 4 | 5-Fluoro-2-chloropyrimidine | 132 | C4H2ClFN2 | 062802-42-0 | 9 |
| 5 | 4-Methylpyrrolo[1,2-a]pyrazine | 132 | C8H8N2 | 064608-60-2 | 9 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-B7COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

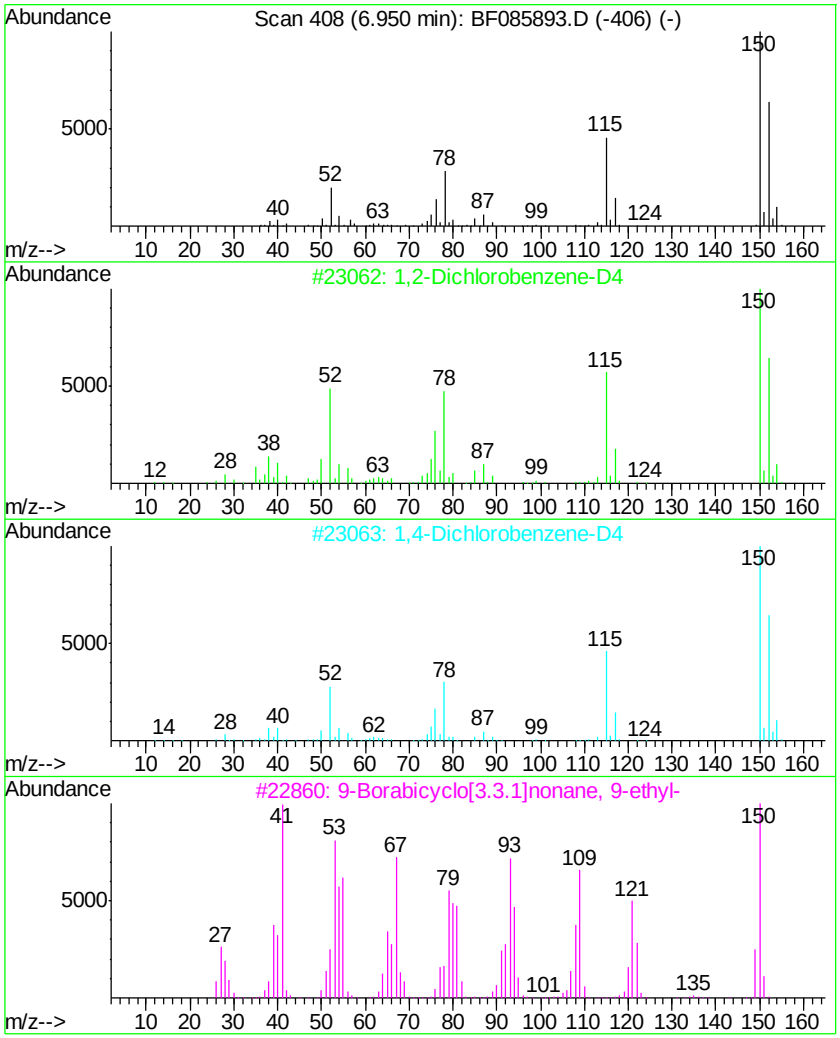
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

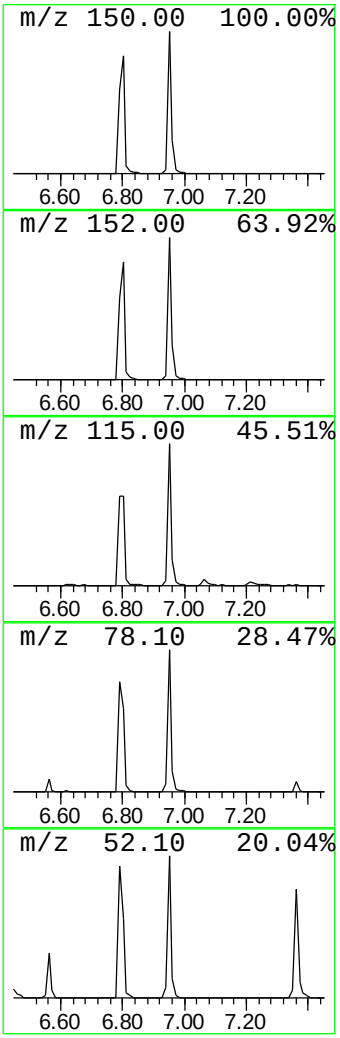
**********

Peak Number 2 unknown6.95 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.95 | 17.07 ng | 441674 | 1,4-Dichlorobenzene-d4 | 6.80 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2-Dichlorobenzene-D4 | 150 | C6D4Cl2 | 002199-69-1 | 97 |
| 2 | 1,4-Dichlorobenzene-D4 | 150 | C6D4Cl2 | 003855-82-1 | 95 |
| 3 | 9-Borabicyclo[3.3.1]nonane, 9-et... | 150 | C10H19B | 052102-17-7 | 38 |
| 4 | 2-Chloro-4,6-difluoro-pyrimidine | 150 | C4HClF2N2 | 038953-30-9 | 38 |
| 5 | 2,3,5-Tri-O-p-nitrobenzoyl-.alph... | 606 | C27H18N4O13 | 1000129-91-5 | 10 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-B7COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

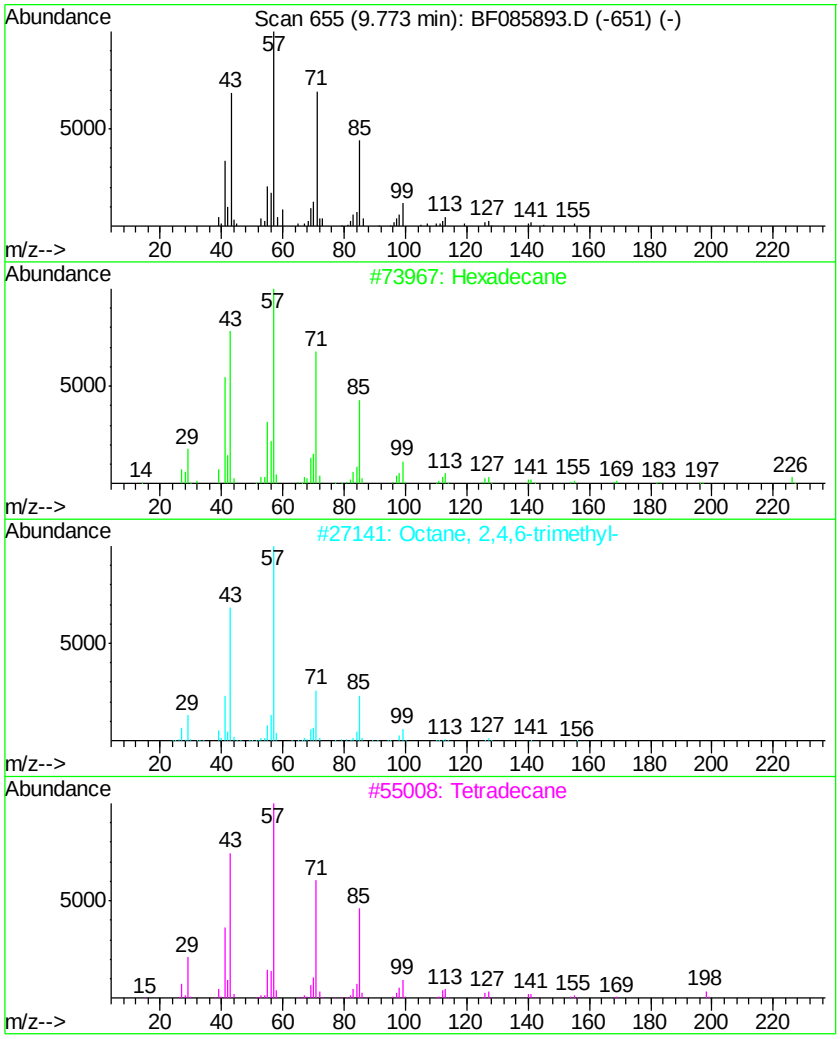
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

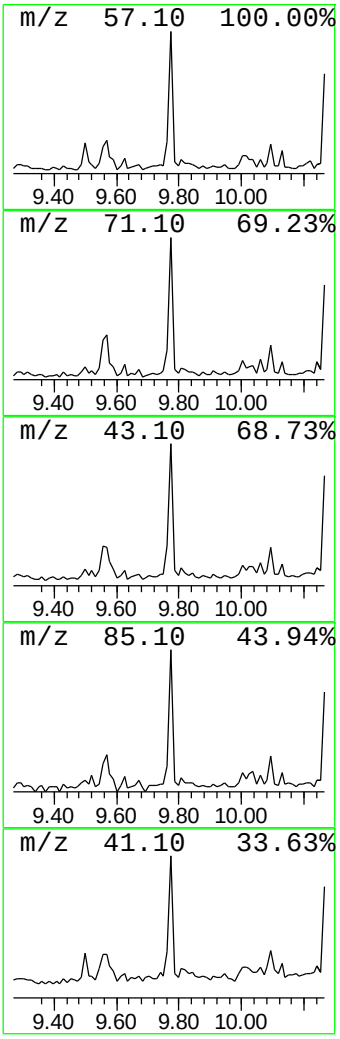
**********

Peak Number 3 Hexadecane Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.77 | 3.07 ng | 106961 | Acenaphthene-d10 | 9.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 2 | Octane, 2,4,6-trimethyl- | 156 | C11H24 | 062016-37-9 | 86 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |
| 4 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 83 |
| 5 | Heptadecane | 240 | C17H36 | 000629-78-7 | 83 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-B7COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

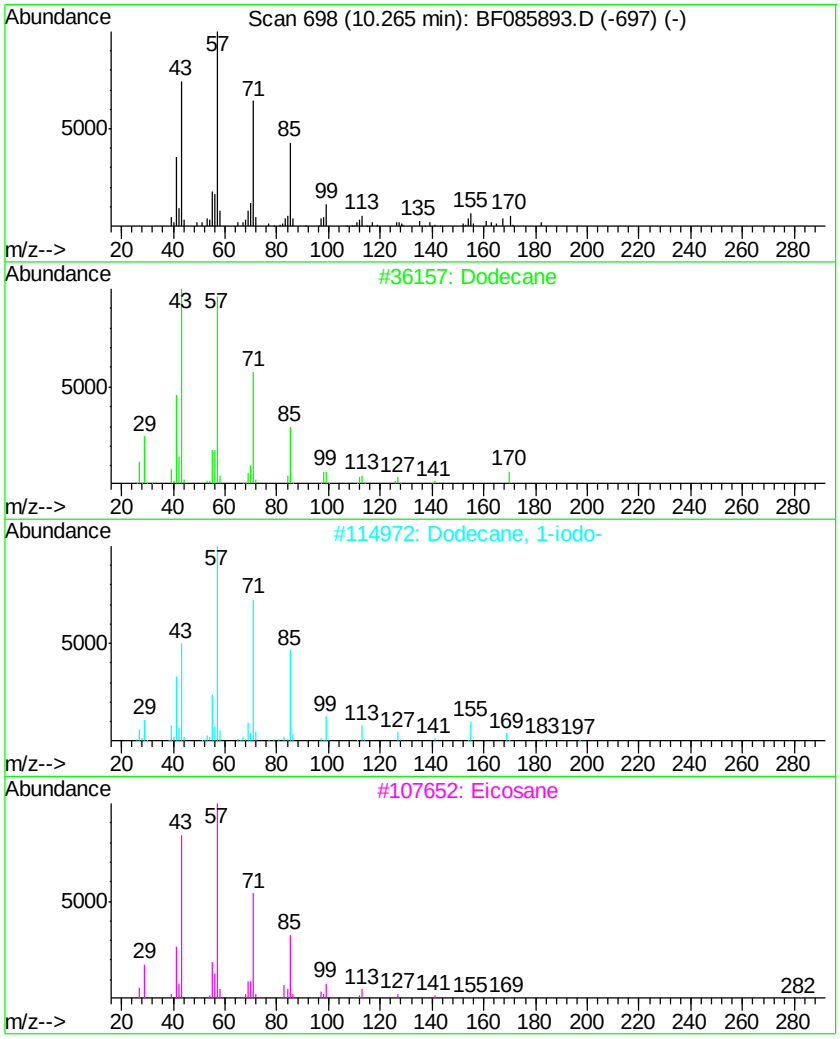
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

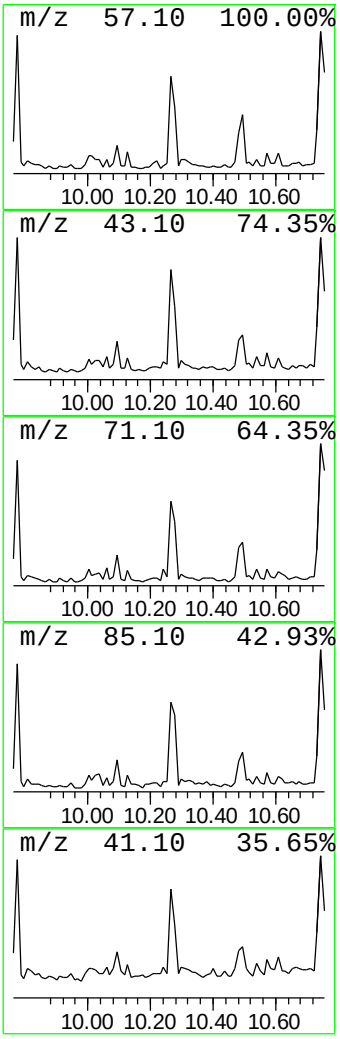
**********

Peak Number 4 Dodecane Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.26 | 2.58 ng | 90102 | Acenaphthene-d10 | 9.84 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane | 170 | C12H26 | 000112-40-3 | 87 |
| 2 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 80 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 74 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 72 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 72 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-B7COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

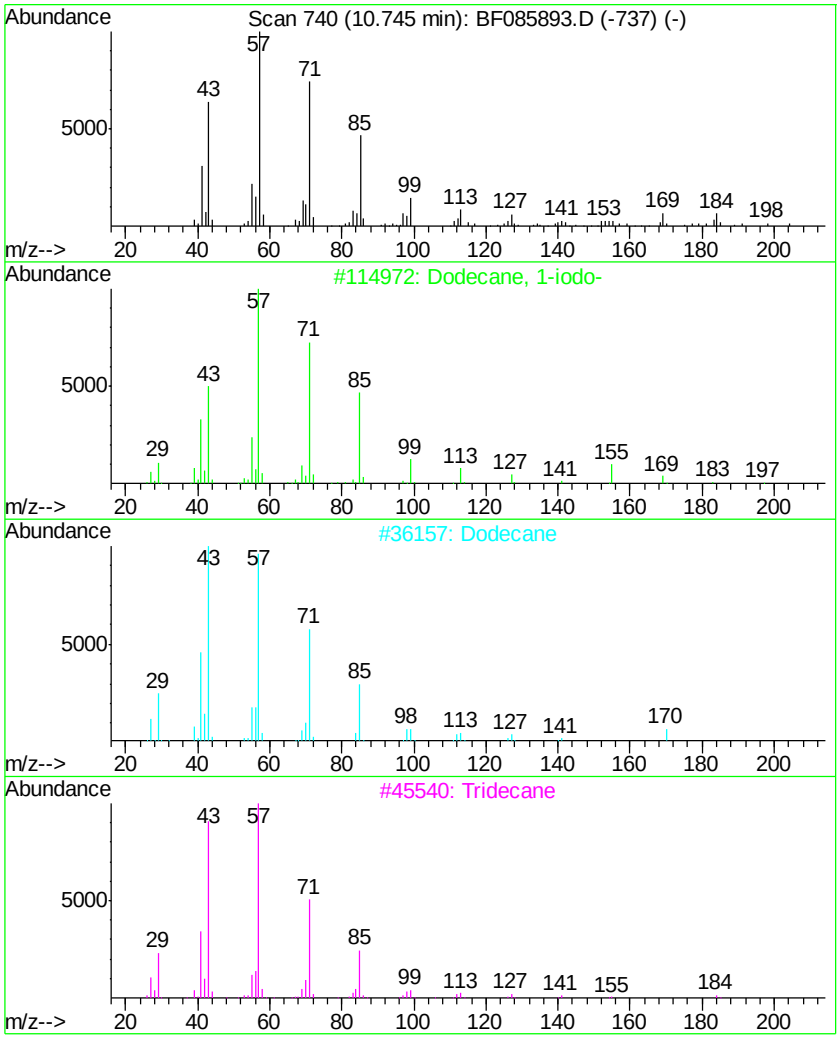
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

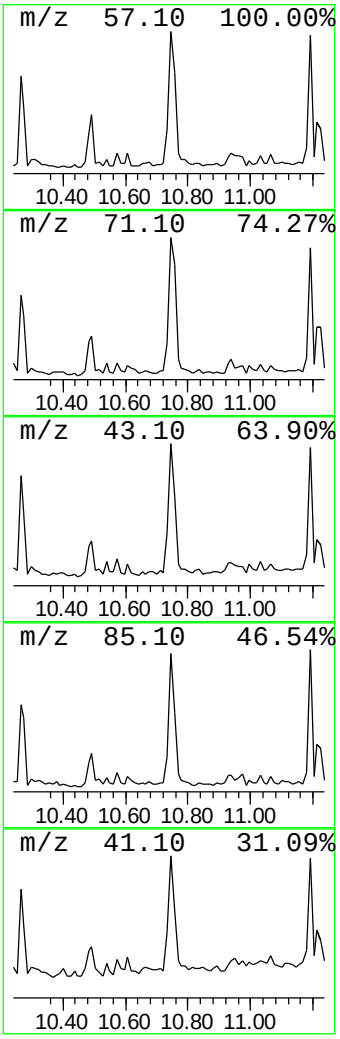
**********

Peak Number 5 Dodecane, 1-iodo- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.74 | 4.40 ng | 184886 | Phenanthrene-d10 | 11.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 91 |
| 2 | Dodecane | 170 | C12H26 | 000112-40-3 | 90 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 90 |
| 4 | Pentadecane | 212 | C15H32 | 000629-62-9 | 87 |
| 5 | Heptadecane | 240 | C17H36 | 000629-78-7 | 87 |



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Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-B7COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

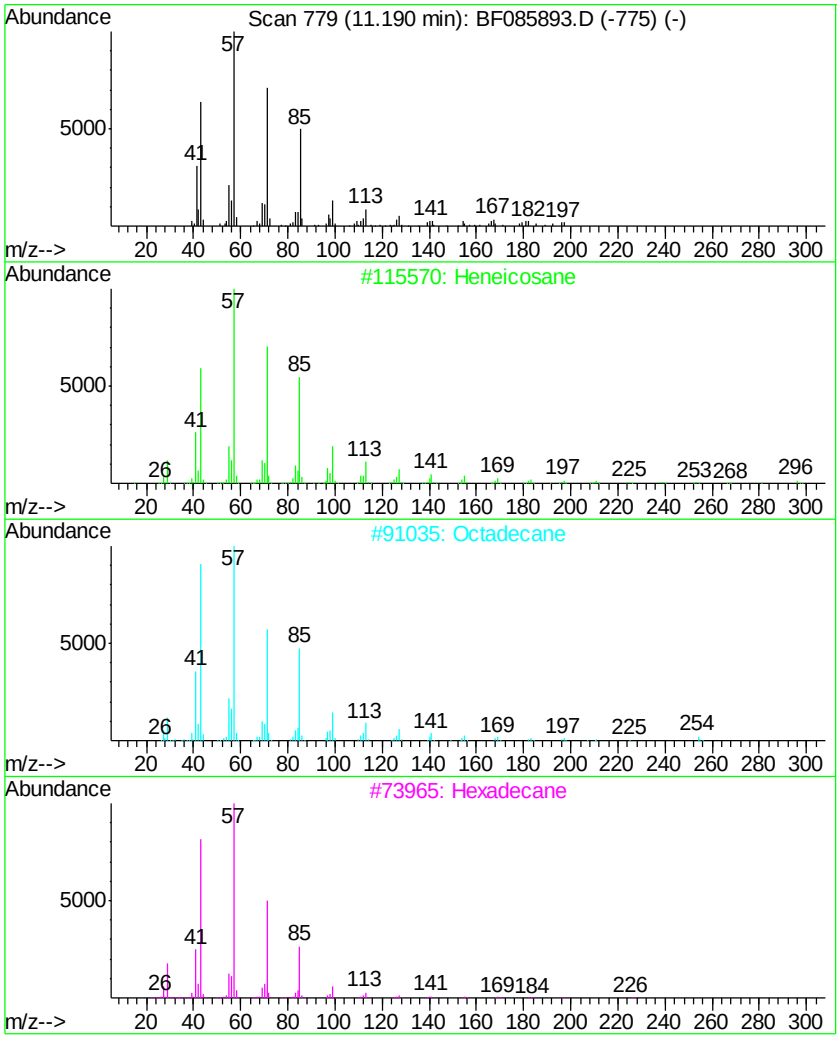
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

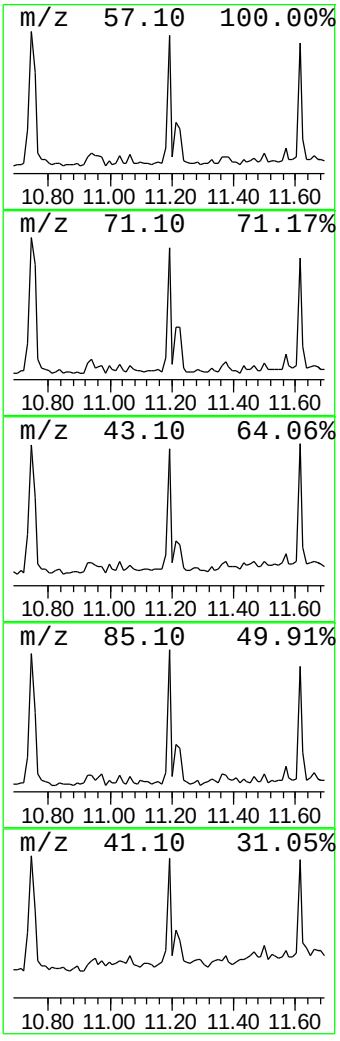
**********

Peak Number 6 Heneicosane Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.19 | 2.83 ng | 119024 | Phenanthrene-d10 | 11.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 2 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 4 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 87 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 86 |



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Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
TEC-B7COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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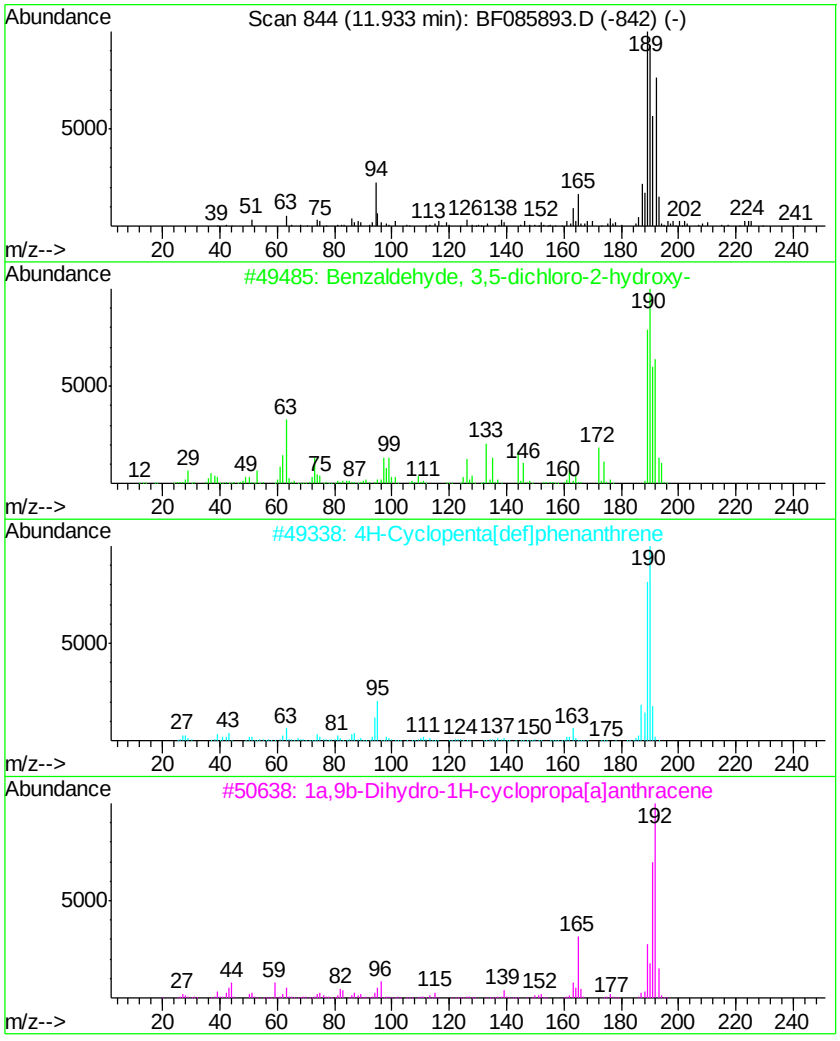
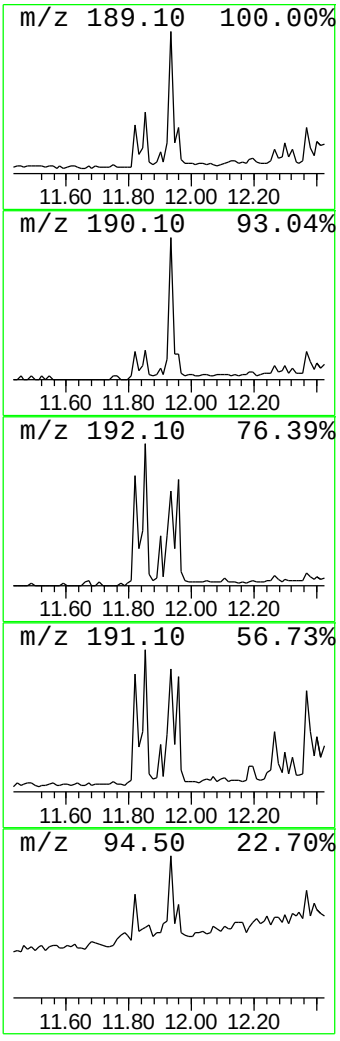
Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.93 | 3.15 ng | 132231 | Phenanthrene-d10 | 11.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzaldehyde, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2 | 000090-60-8 | 72 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 46 |
| 3 | 1a,9b-Dihydro-1H-cyclopropa[a]an... | 192 | C15H12 | 006109-24-6 | 38 |
| 4 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 30 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 30 |



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Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-B7COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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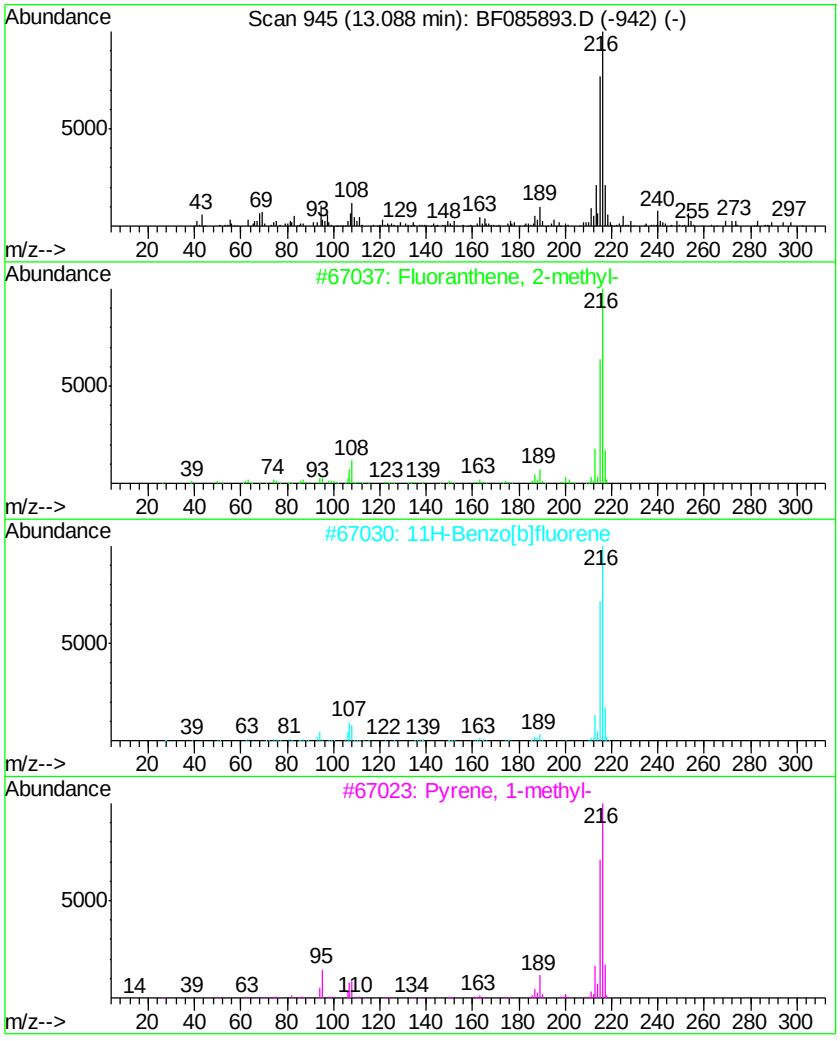
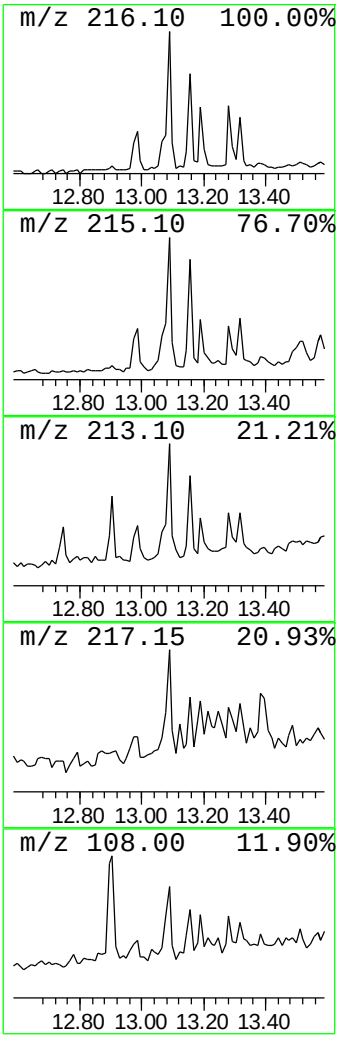
Peak Number 9 Fluoranthene, 2-methyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.09 | 2.59 ng | 116118 | Chrysene-d12 | 13.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 94 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 83 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-B7COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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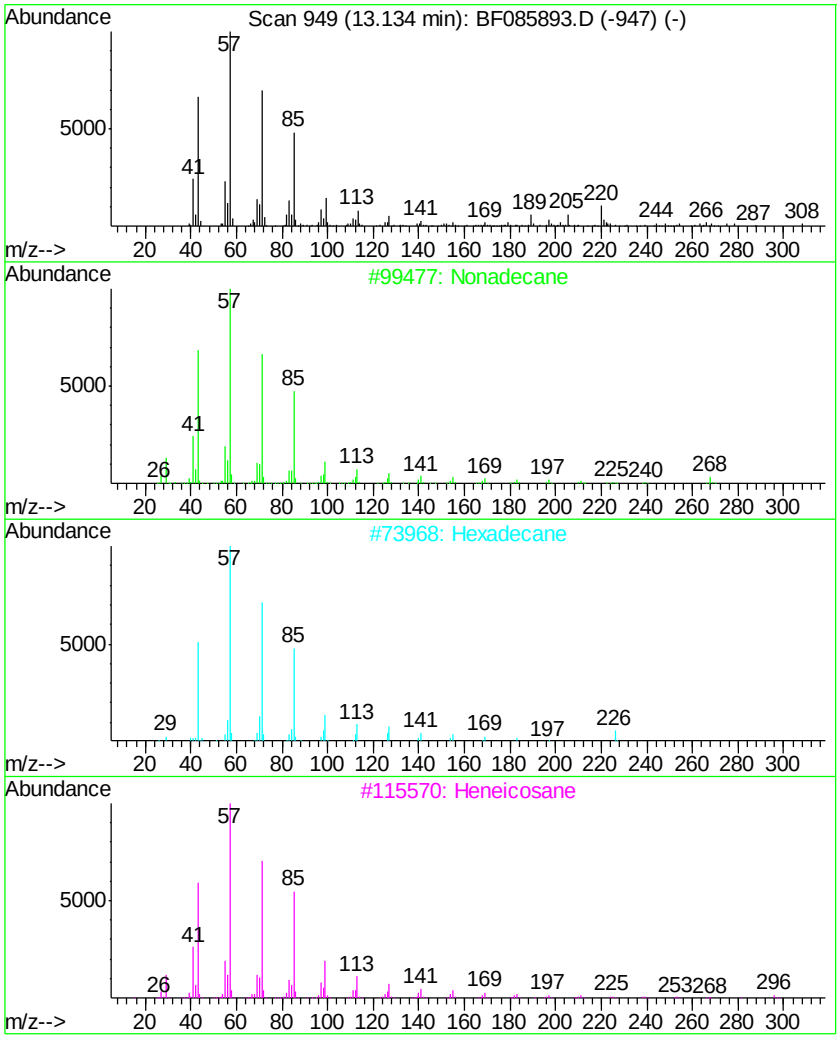
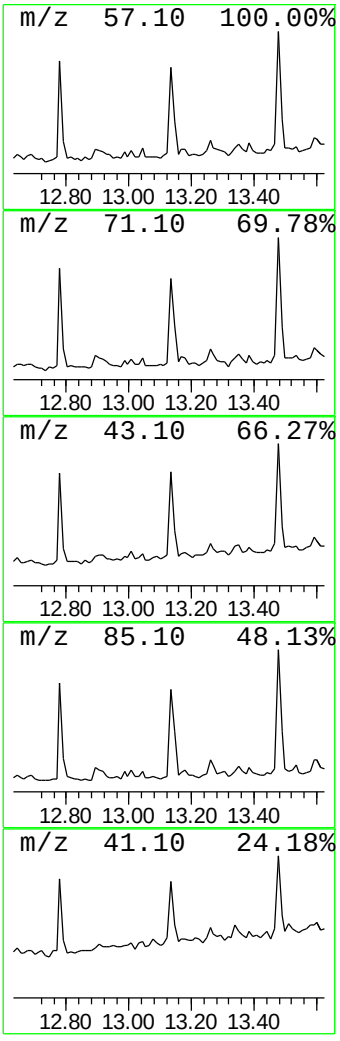
Peak Number 10 Nonadecane Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.13 | 5.20 ng | 232871 | Chrysene-d12 | 13.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 91 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 74 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 74 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 74 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-B7COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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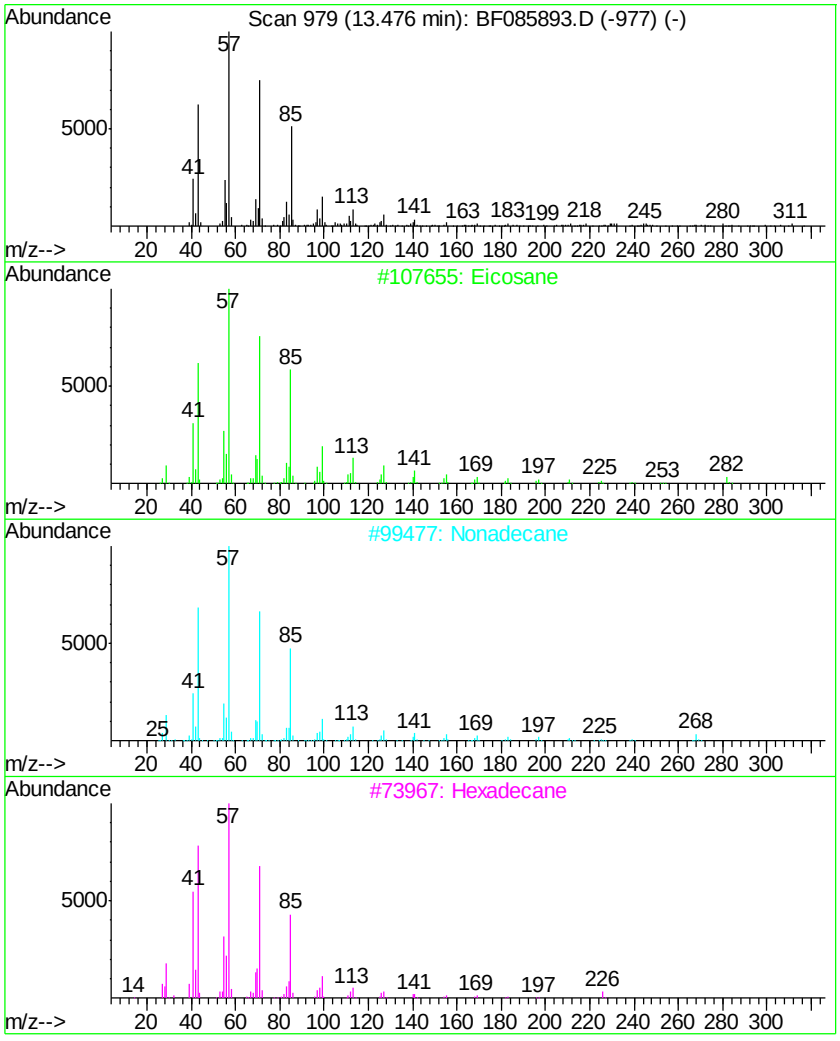
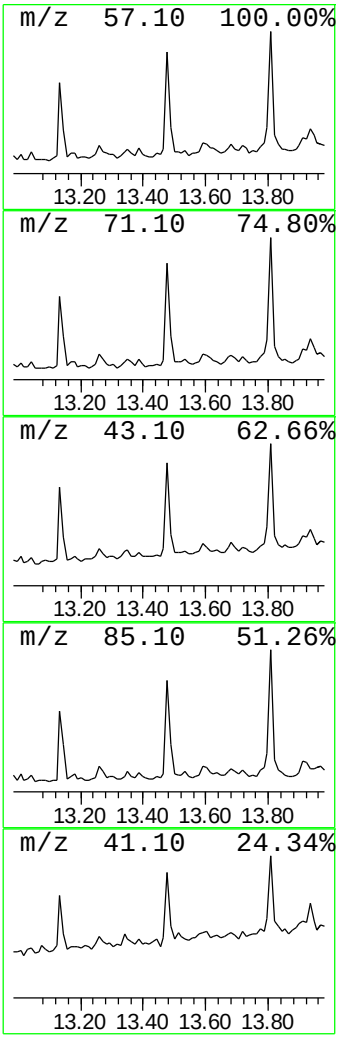
Peak Number 11 Eicosane Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.48 | 5.25 ng | 235373 | Chrysene-d12 | 13.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 97 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 87 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 87 |
| 4 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 86 |
| 5 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 86 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-B7COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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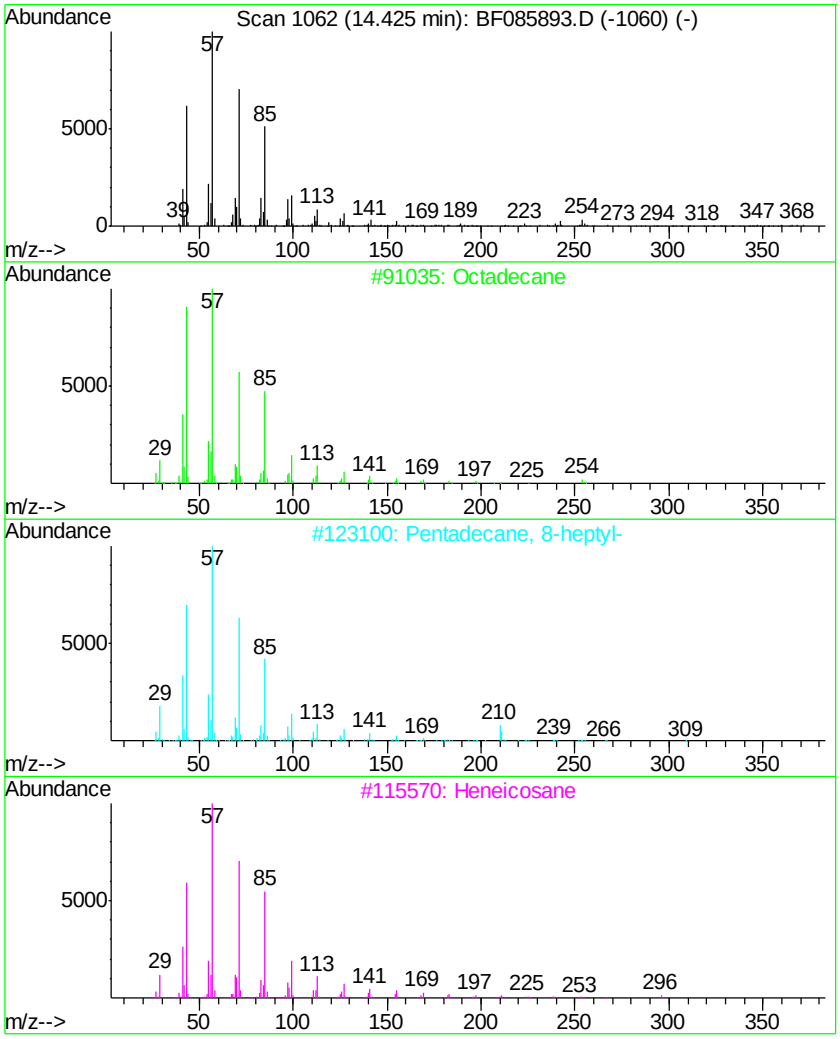
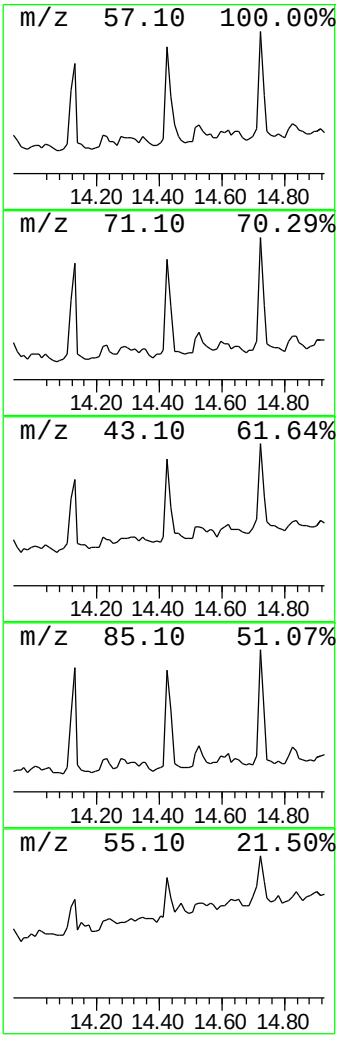
Peak Number 14 Octadecane Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.43 | 6.23 ng | 279112 | Chrysene-d12 | 13.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 93 |
| 2 | Pentadecane, 8-heptyl- | 310 | C22H46 | 071005-15-7 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 87 |
| 4 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 83 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 80 |



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Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-B7COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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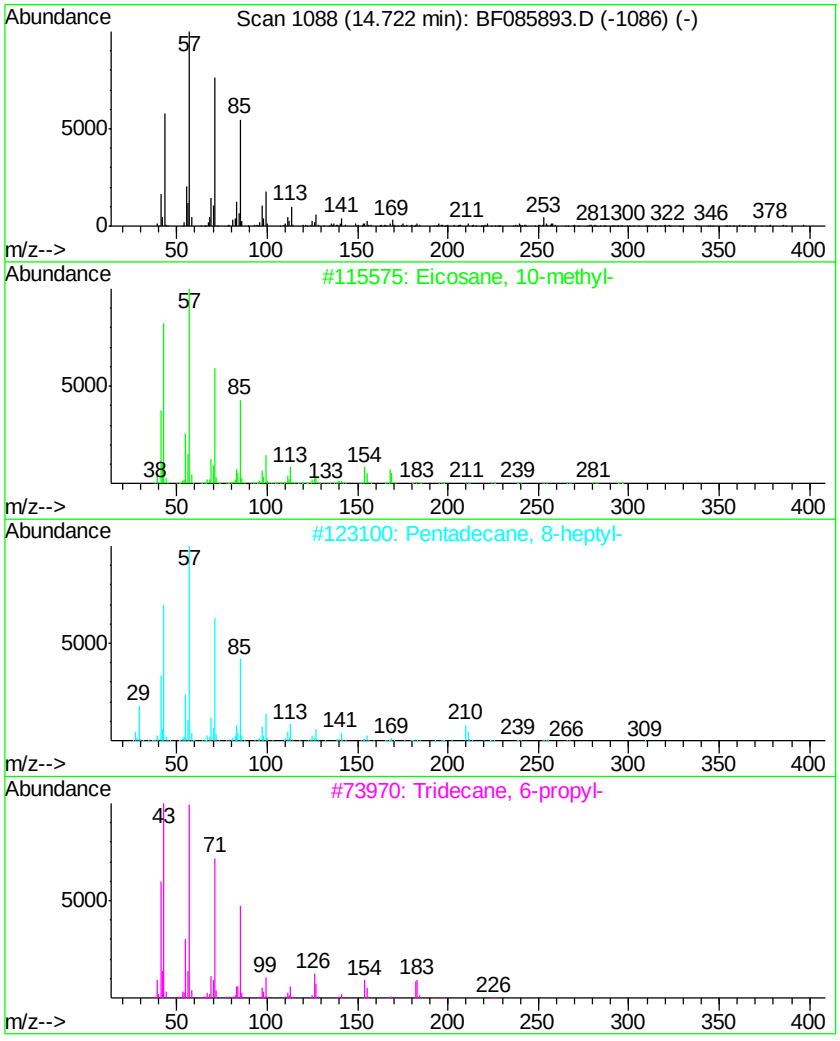
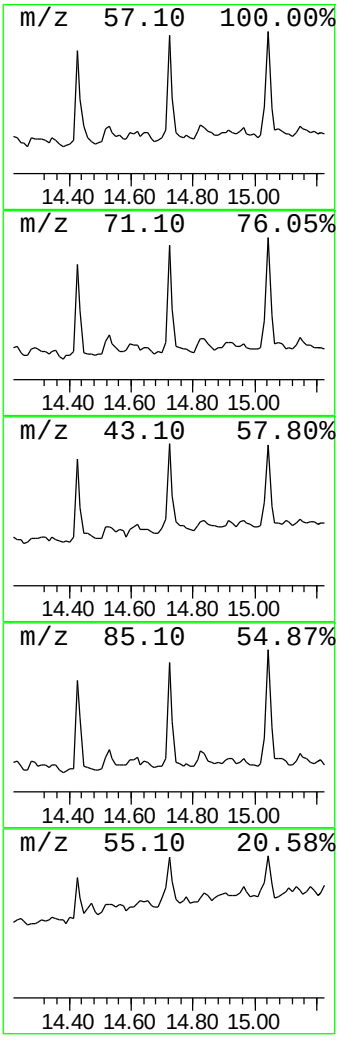
Peak Number 15 Eicosane, 10-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.72 | 8.71 ng | 391030 | Perylene-d12 | 15.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 93 |
| 2 | Pentadecane, 8-heptyl- | 310 | C22H46 | 071005-15-7 | 90 |
| 3 | Tridecane, 6-propyl- | 226 | C16H34 | 055045-10-8 | 87 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |
| 5 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 86 |



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Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-B7COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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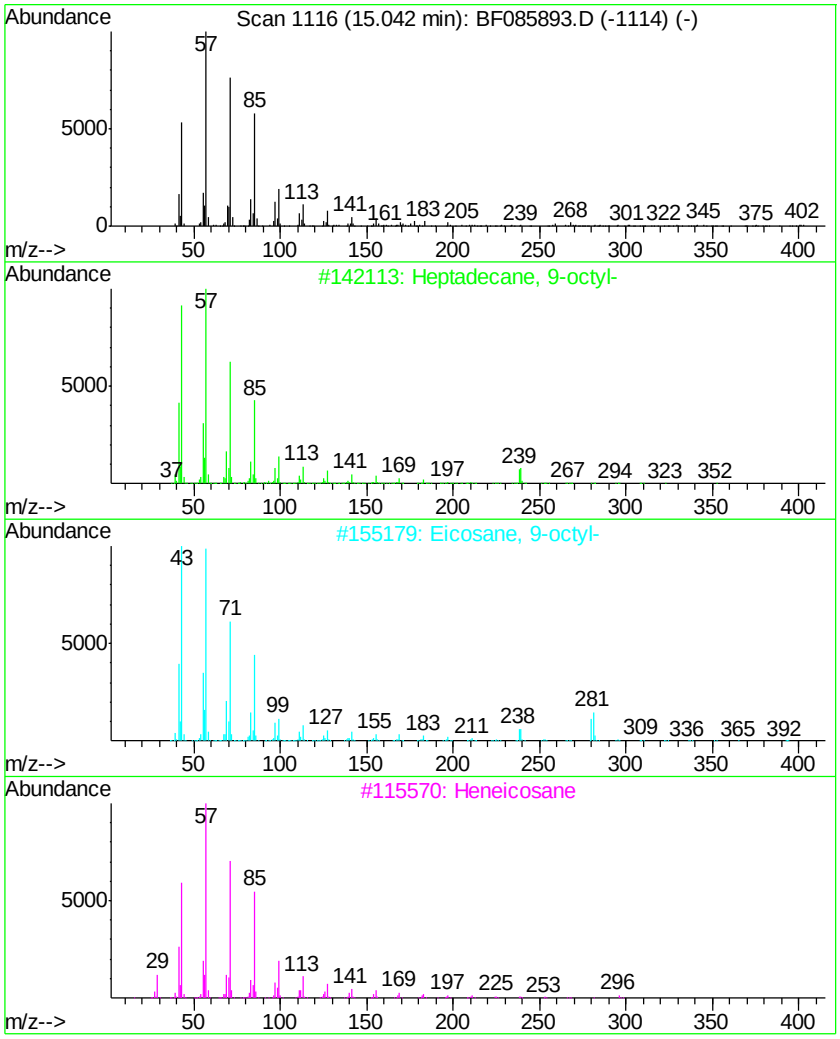
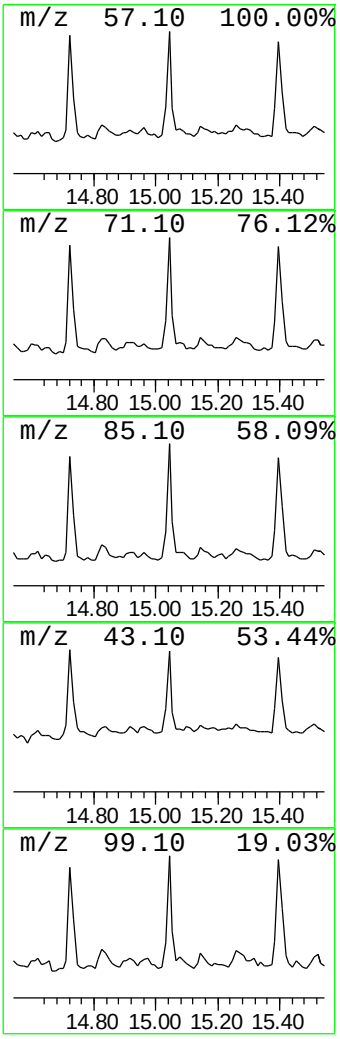
Peak Number 16 Heptadecane, 9-octyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.04 | 6.75 ng | 302792 | Perylene-d12 | 15.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 94 |
| 2 | Eicosane, 9-octyl- | 394 | C28H58 | 013475-77-9 | 93 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 90 |
| 5 | Octadecane | 254 | C18H38 | 000593-45-3 | 86 |



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Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-B7COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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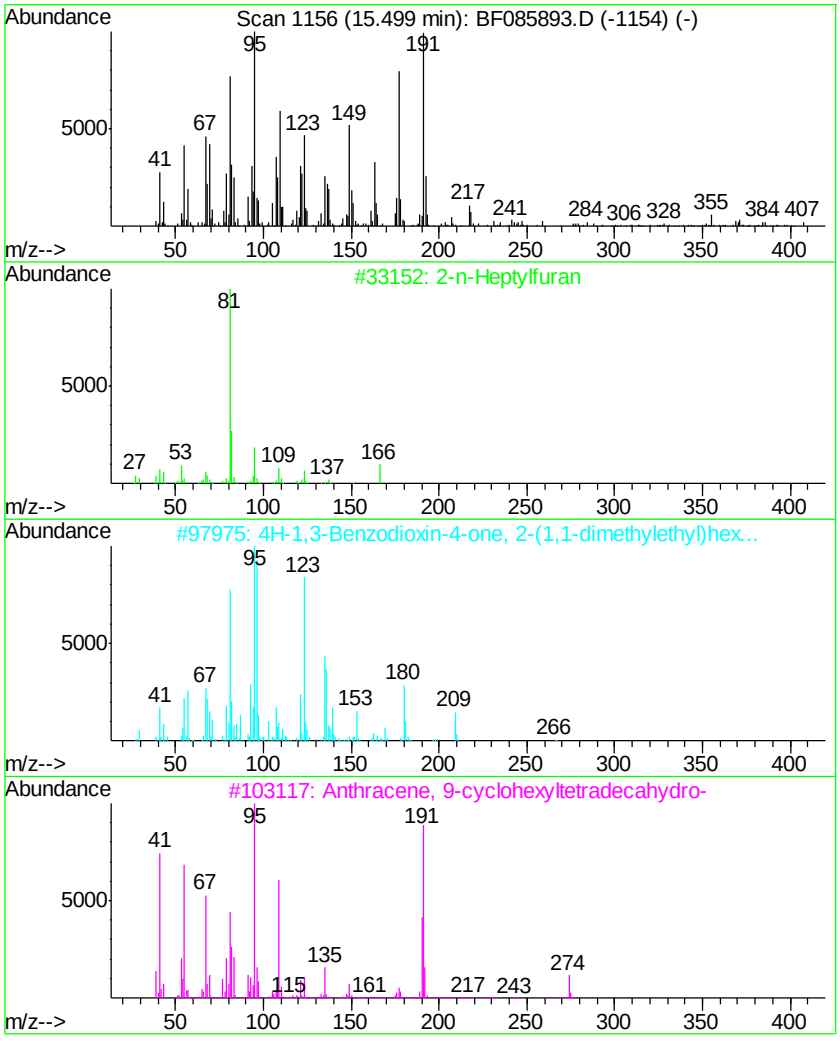
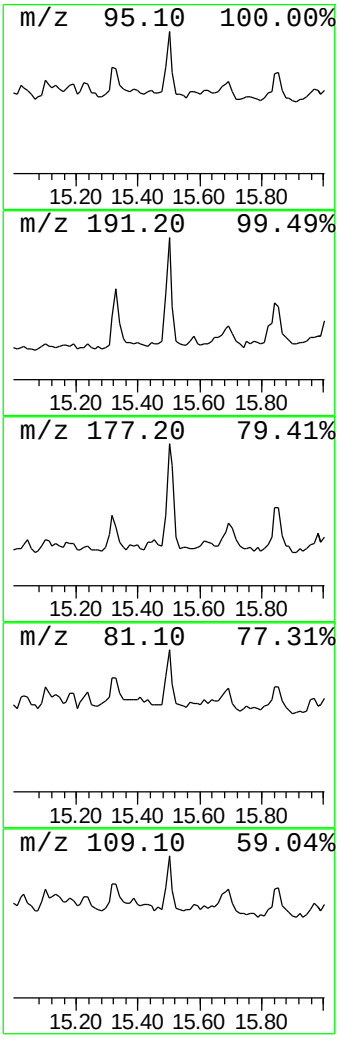
Peak Number 17 unknown15.50 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.50 | 7.80 ng | 350245 | Perylene-d12 | 15.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-n-Heptylfuran | 166 | C11H18O | 003777-71-7 | 46 |
| 2 | 4H-1,3-Benzodioxin-4-one, 2-(1,1... | 266 | C16H26O3 | 124899-18-9 | 35 |
| 3 | Anthracene, 9-cyclohexyltetradec... | 274 | C20H34 | 055255-70-4 | 35 |
| 4 | 3-Buten-1-one, 4-[2,6,6-trimethy... | 192 | C13H20O | 085949-43-5 | 22 |
| 5 | 2H-1,2,3-Triazole-4-carboxaldehy... | 191 | C9H6FN3O | 051306-43-5 | 22 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
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Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-B7COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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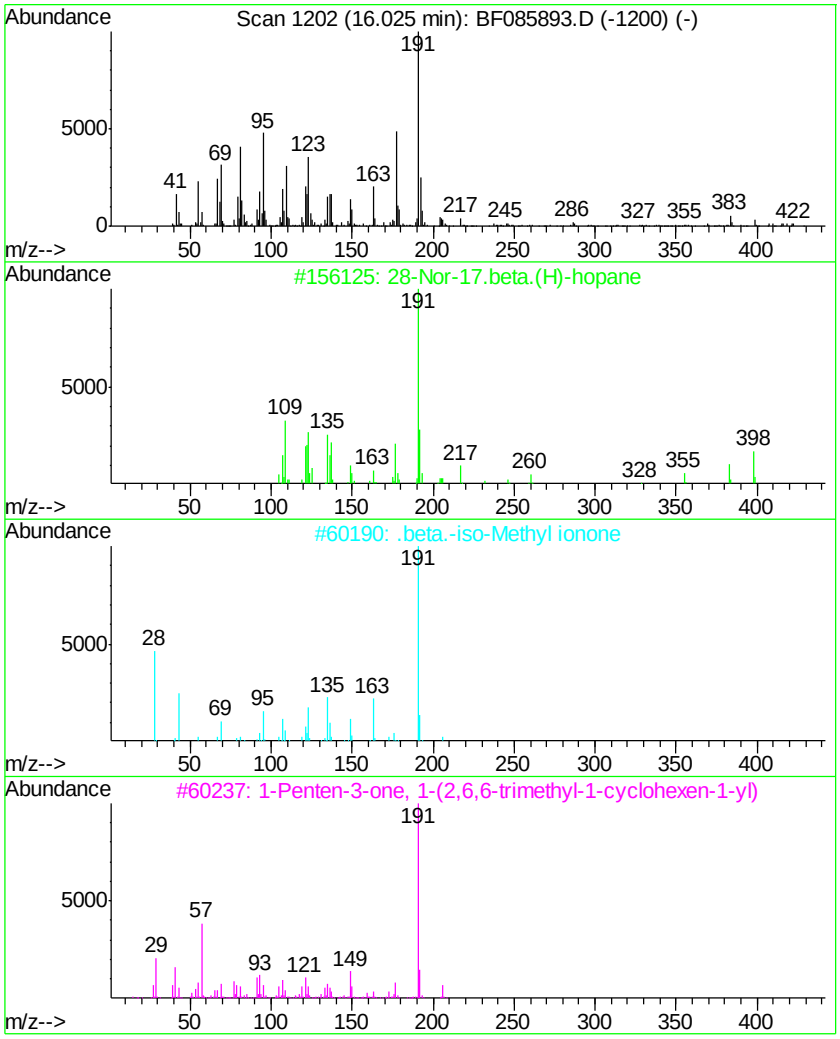
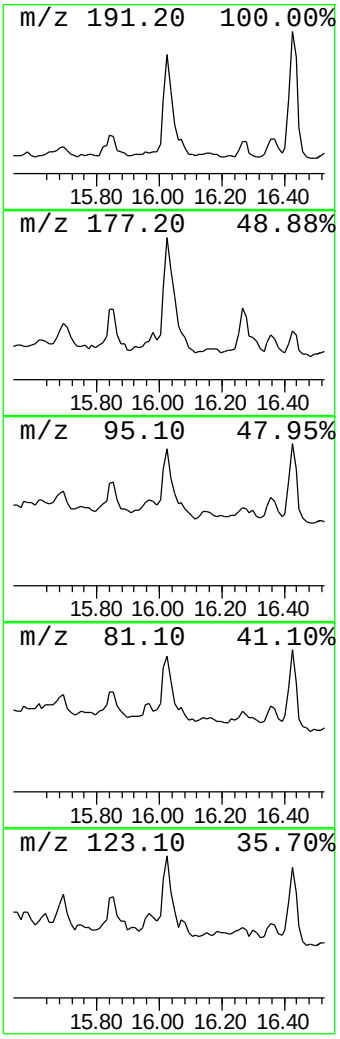
Peak Number 18 28-Nor-17.beta.(H)-hopane Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.03 | 16.78 ng | 753419 | Perylene-d12 | 15.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 28-Nor-17.beta.(H)-hopane | 398 | C29H50 | 036728-72-0 | 58 |
| 2 | .beta.-iso-Methyl ionone | 206 | C14H22O | 1000285-40-2 | 50 |
| 3 | 1-Penten-3-one, 1-(2,6,6-trimeth... | 206 | C14H22O | 000127-43-5 | 37 |
| 4 | Anthracene, 9-butyltetradecahydro- | 248 | C18H32 | 055133-89-6 | 25 |
| 5 | 2-Phenyliminoperhydro-1,3-thiazine | 192 | C10H12N2S | 1000138-91-3 | 22 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-B7COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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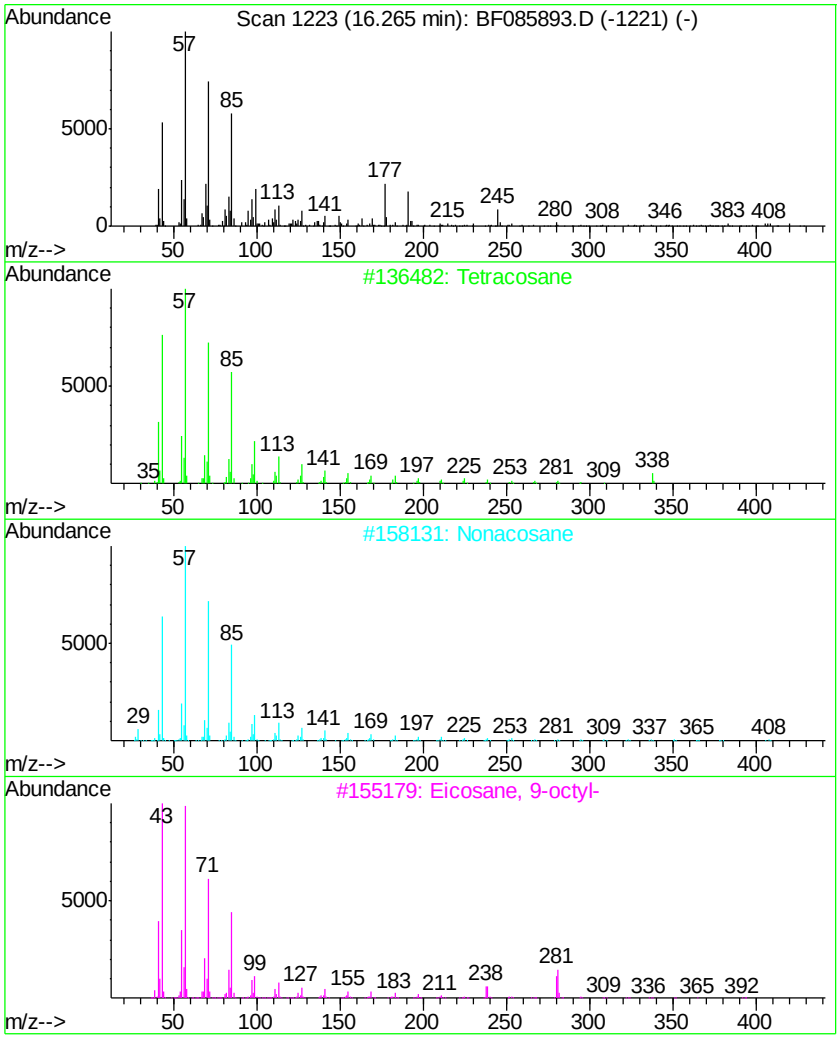
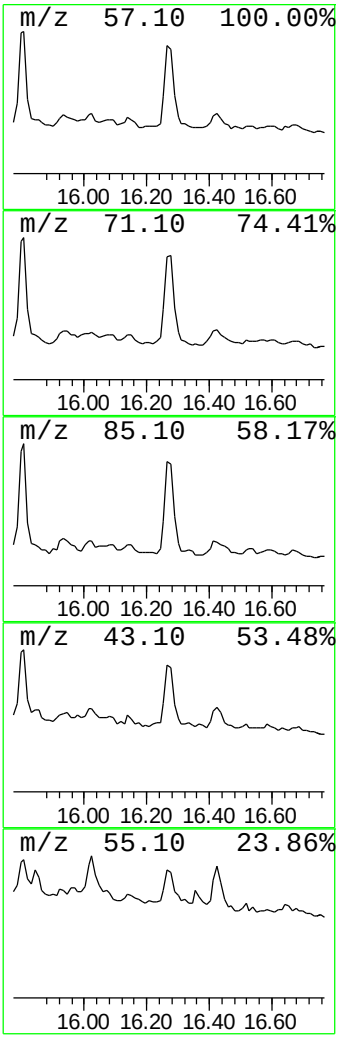
Peak Number 19 Tetracosane Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.27 | 7.64 ng | 343054 | Perylene-d12 | 15.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 94 |
| 2 | Nonacosane | 408 | C29H60 | 000630-03-5 | 86 |
| 3 | Eicosane, 9-octyl- | 394 | C28H58 | 013475-77-9 | 86 |
| 4 | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54 | 055282-11-6 | 68 |
| 5 | Tetratriacontane | 479 | C34H70 | 014167-59-0 | 68 |



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-B7COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

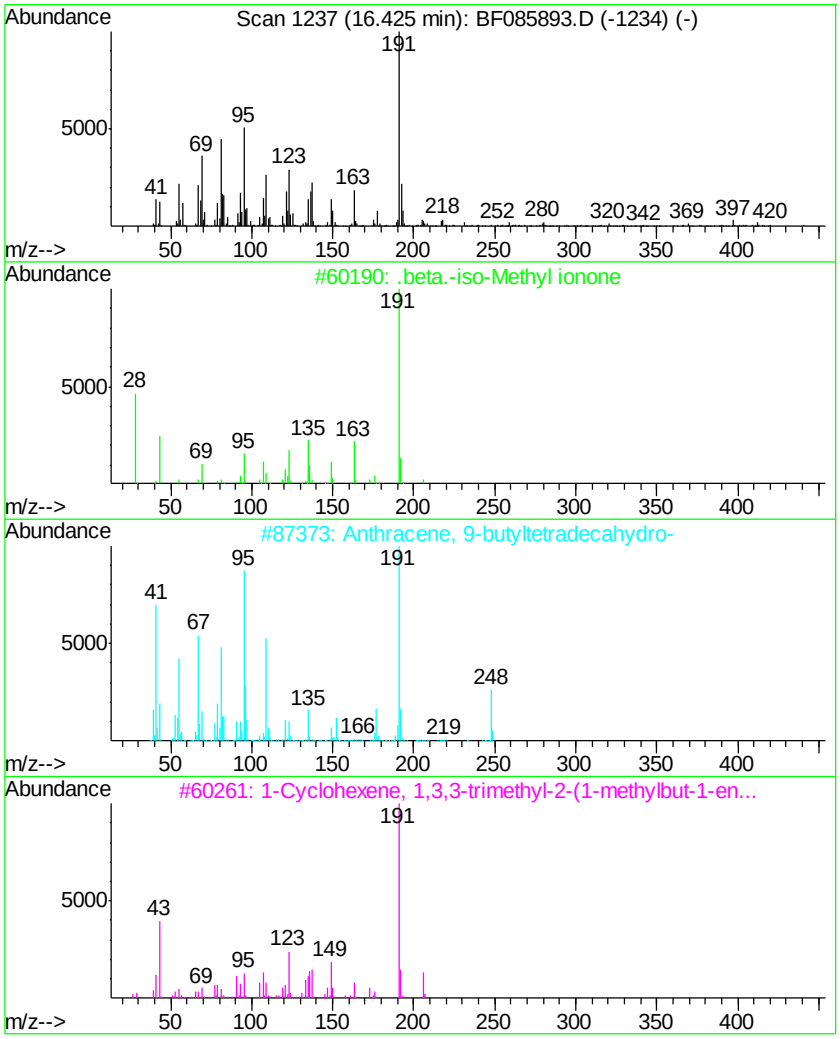
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

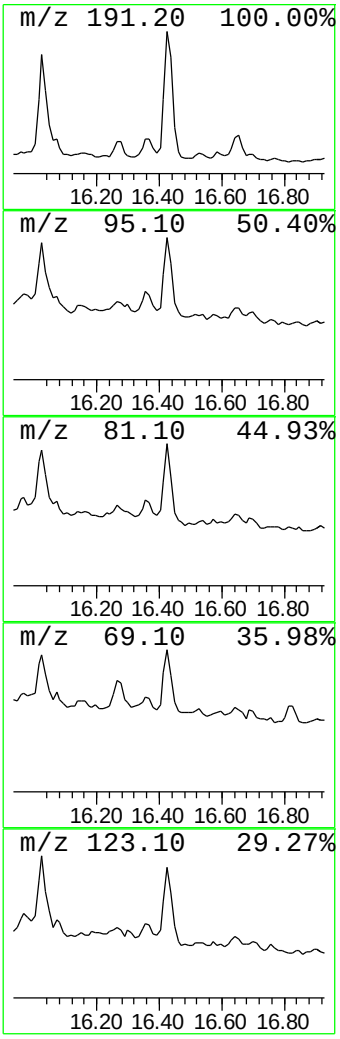
**********

Peak Number 20 .beta.-iso-Methyl ionone Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.43 | 13.36 ng | 599909 | Perylene-d12 | 15.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .beta.-iso-Methyl ionone | 206 | C14H22O | 1000285-40-2 | 53 |
| 2 | Anthracene, 9-butyltetradecahydro- | 248 | C18H32 | 055133-89-6 | 50 |
| 3 | 1-Cyclohexene, 1,3,3-trimethyl-2... | 206 | C14H22O | 1000197-08-4 | 38 |
| 4 | 1-Penten-3-one, 1-(2,6,6-trimeth... | 206 | C14H22O | 000127-43-5 | 38 |
| 5 | Anthracene, 9-cyclohexyltetradec... | 274 | C20H34 | 055255-70-4 | 38 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033016\
Data File : BF085893.D
Acq On : 30 Mar 2016 18:28
Operator : UM/SJ
Sample : H2026-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** TEC-B7COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| unknown6.56 | 6.56 | 21.1 | ng | 544857 | 1 | 6.80 | 517408 | 20.0 |
| unknown6.95 | 6.95 | 17.1 | ng | 441674 | 1 | 6.80 | 517408 | 20.0 |
| Hexadecane | 9.77 | 3.1 | ng | 106961 | 3 | 9.84 | 697457 | 20.0 |
| Dodecane | 10.26 | 2.6 | ng | 90102 | 3 | 9.84 | 697457 | 20.0 |
| Dodecane, 1-iodo- | 10.74 | 4.4 | ng | 184886 | 4 | 11.32 | 840507 | 20.0 |
| Heneicosane | 11.19 | 2.8 | ng | 119024 | 4 | 11.32 | 840507 | 20.0 |
| Benzaldehyde, 3,5... | 11.93 | 3.1 | ng | 132231 | 4 | 11.32 | 840507 | 20.0 |
| Fluoranthene, 2-m... | 13.09 | 2.6 | ng | 116118 | 5 | 13.96 | 896223 | 20.0 |
| Nonadecane | 13.13 | 5.2 | ng | 232871 | 5 | 13.96 | 896223 | 20.0 |
| Eicosane | 13.48 | 5.3 | ng | 235373 | 5 | 13.96 | 896223 | 20.0 |
| Octadecane | 14.43 | 6.2 | ng | 279112 | 5 | 13.96 | 896223 | 20.0 |
| Eicosane, 10-methyl- | 14.72 | 8.7 | ng | 391030 | 6 | 15.39 | 897780 | 20.0 |
| Heptadecane, 9-oc... | 15.04 | 6.8 | ng | 302792 | 6 | 15.39 | 897780 | 20.0 |
| unknown15.50 | 15.50 | 7.8 | ng | 350245 | 6 | 15.39 | 897780 | 20.0 |
| 28-Nor-17.beta.(H... | 16.03 | 16.8 | ng | 753419 | 6 | 15.39 | 897780 | 20.0 |
| Tetracosane | 16.27 | 7.6 | ng | 343054 | 6 | 15.39 | 897780 | 20.0 |
| .beta.-iso-Methyl... | 16.43 | 13.4 | ng | 599909 | 6 | 15.39 | 897780 | 20.0 |