LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM110417\
Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_M\METHODS\SOM-EPA-BM110417MA.M
Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.469 | 399 | 405 | 414 | rBV | 45810 | 84608 | 1.30% | 0.108% |
| 2 | 5.834 | 462 | 467 | 472 | rBV2 | 51230 | 75716 | 1.16% | 0.097% |
| 3 | 6.987 | 653 | 663 | 676 | rVB | 317243 | 642926 | 9.86% | 0.823% |
| 4 | 7.146 | 676 | 690 | 696 | rBV | 250428 | 395673 | 6.07% | 0.506% |
| 5 | 7.346 | 718 | 724 | 732 | rVB | 338418 | 545576 | 8.37% | 0.698% |
| 6 | 7.434 | 735 | 739 | 743 | rBV | 55574 | 90299 | 1.38% | 0.116% |
| 7 | 7.810 | 794 | 803 | 810 | rVB | 383401 | 640136 | 9.82% | 0.819% |
| 8 | 8.516 | 917 | 923 | 930 | rBV | 384580 | 620715 | 9.52% | 0.794% |
| 9 | 8.969 | 994 | 1000 | 1007 | rVV | 312956 | 537047 | 8.24% | 0.687% |
| 10 | 9.034 | 1007 | 1011 | 1022 | rVB | 66604 | 108995 | 1.67% | 0.140% |
| 11 | 9.687 | 1115 | 1122 | 1128 | rBV | 285863 | 471580 | 7.23% | 0.604% |
| 12 | 10.016 | 1171 | 1178 | 1184 | rVB6 | 55142 | 110370 | 1.69% | 0.141% |
| 13 | 10.228 | 1203 | 1214 | 1223 | rVB | 451531 | 773951 | 11.87% | 0.991% |
| 14 | 10.598 | 1266 | 1277 | 1283 | rBV | 516543 | 937622 | 14.38% | 1.200% |
| 15 | 13.857 | 1826 | 1831 | 1836 | rBV | 827360 | 1114208 | 17.09% | 1.426% |
| 16 | 13.904 | 1836 | 1839 | 1842 | rVB | 117972 | 138888 | 2.13% | 0.178% |
| 17 | 14.139 | 1873 | 1879 | 1890 | rVB | 931757 | 1424408 | 21.84% | 1.823% |
| 18 | 14.445 | 1922 | 1931 | 1937 | rBV2 | 800075 | 1236372 | 18.96% | 1.582% |
| 19 | 14.510 | 1937 | 1942 | 1950 | rVB2 | 117202 | 181466 | 2.78% | 0.232% |
| 20 | 14.657 | 1960 | 1967 | 1980 | rBV | 204951 | 370480 | 5.68% | 0.474% |
| 21 | 14.851 | 1996 | 2000 | 2007 | rVB | 55251 | 110714 | 1.70% | 0.142% |
| 22 | 15.439 | 2094 | 2100 | 2106 | rBV | 1183059 | 1677412 | 25.72% | 2.147% |
| 23 | 15.492 | 2106 | 2109 | 2113 | rVV | 107891 | 137534 | 2.11% | 0.176% |
| 24 | 15.568 | 2117 | 2122 | 2128 | rBV | 271824 | 392627 | 6.02% | 0.503% |
| 25 | 15.674 | 2134 | 2140 | 2144 | rBV3 | 74025 | 148123 | 2.27% | 0.190% |
| 26 | 15.804 | 2155 | 2162 | 2170 | rVB2 | 181782 | 298174 | 4.57% | 0.382% |
| 27 | 16.033 | 2197 | 2201 | 2206 | rBV | 107754 | 155462 | 2.38% | 0.199% |
| 28 | 16.180 | 2220 | 2226 | 2232 | rBV3 | 61346 | 131623 | 2.02% | 0.168% |
| 29 | 16.851 | 2336 | 2340 | 2346 | rVB2 | 53629 | 82584 | 1.27% | 0.106% |
| 30 | 16.951 | 2349 | 2357 | 2360 | rVV4 | 65676 | 133566 | 2.05% | 0.171% |
| 31 | 17.010 | 2363 | 2367 | 2375 | rVV2 | 104346 | 169039 | 2.59% | 0.216% |
| 32 | 17.192 | 2393 | 2398 | 2401 | rBV2 | 921107 | 1279572 | 19.62% | 1.638% |
| 33 | 17.233 | 2401 | 2405 | 2410 | rVV | 1475191 | 2002708 | 30.71% | 2.563% |
| 34 | 17.292 | 2410 | 2415 | 2418 | rVV | 1188734 | 1685747 | 25.85% | 2.158% |

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM110417\
Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_M\METHODS\SOM-EPA-BM110417MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 17.321 | 2418 | 2420 | 2425 | rVB | 328273 | 413258 | 6.34% | 0.529% |
| 36 | 17.592 | 2461 | 2466 | 2478 | rVB | 157385 | 280733 | 4.31% | 0.359% |
| 37 | 17.710 | 2482 | 2486 | 2489 | rBV2 | 88962 | 128881 | 1.98% | 0.165% |
| 38 | 18.033 | 2536 | 2541 | 2544 | rBV | 325235 | 449010 | 6.89% | 0.575% |
| 39 | 18.062 | 2544 | 2546 | 2547 | rVV | 142776 | 130919 | 2.01% | 0.168% |
| 40 | 18.092 | 2547 | 2551 | 2558 | rVV2 | 888684 | 1416541 | 21.72% | 1.813% |
| 41 | 18.162 | 2558 | 2563 | 2567 | rVV | 5097655 | 6024969 | 92.39% | 7.711% |
| 42 | 18.198 | 2567 | 2569 | 2574 | rVB2 | 131309 | 151213 | 2.32% | 0.194% |
| 43 | 18.262 | 2574 | 2580 | 2584 | rBV3 | 317833 | 568955 | 8.72% | 0.728% |
| 44 | 18.474 | 2612 | 2616 | 2620 | rBV2 | 133159 | 156345 | 2.40% | 0.200% |
| 45 | 18.568 | 2628 | 2632 | 2636 | rBV | 142838 | 181985 | 2.79% | 0.233% |
| 46 | 18.609 | 2636 | 2639 | 2645 | rVB | 138022 | 183345 | 2.81% | 0.235% |
| 47 | 18.874 | 2678 | 2684 | 2692 | rBV | 407775 | 703230 | 10.78% | 0.900% |
| 48 | 19.127 | 2724 | 2727 | 2733 | rVB2 | 84940 | 143098 | 2.19% | 0.183% |
| 49 | 19.251 | 2740 | 2748 | 2755 | rBV | 3532378 | 4832270 | 74.10% | 6.185% |
| 50 | 19.368 | 2764 | 2768 | 2776 | rVB2 | 476152 | 687453 | 10.54% | 0.880% |
| 51 | 19.586 | 2799 | 2805 | 2807 | rBV2 | 1882182 | 2789838 | 42.78% | 3.571% |
| 52 | 19.615 | 2807 | 2810 | 2817 | rVV | 2723871 | 3441750 | 52.78% | 4.405% |
| 53 | 19.680 | 2818 | 2821 | 2827 | rVB2 | 142390 | 211396 | 3.24% | 0.271% |
| 54 | 19.792 | 2837 | 2840 | 2843 | rVB | 137390 | 137868 | 2.11% | 0.176% |
| 55 | 19.933 | 2860 | 2864 | 2870 | rBV2 | 166310 | 415951 | 6.38% | 0.532% |
| 56 | 20.103 | 2890 | 2893 | 2900 | rVB | 477273 | 684837 | 10.50% | 0.877% |
| 57 | 20.203 | 2907 | 2910 | 2914 | rBV | 358060 | 423325 | 6.49% | 0.542% |
| 58 | 20.303 | 2924 | 2927 | 2930 | rBV | 117386 | 152943 | 2.35% | 0.196% |
| 59 | 20.445 | 2948 | 2951 | 2956 | rVB3 | 234429 | 311430 | 4.78% | 0.399% |
| 60 | 20.509 | 2958 | 2962 | 2966 | rVV | 474542 | 540299 | 8.29% | 0.692% |
| 61 | 20.803 | 3008 | 3012 | 3017 | rBV3 | 332044 | 413620 | 6.34% | 0.529% |
| 62 | 21.056 | 3052 | 3055 | 3057 | rBV | 273580 | 348629 | 5.35% | 0.446% |
| 63 | 21.080 | 3057 | 3059 | 3067 | rVB3 | 456002 | 785602 | 12.05% | 1.005% |
| 64 | 21.280 | 3091 | 3093 | 3098 | rVB | 504772 | 583335 | 8.95% | 0.747% |
| 65 | 21.356 | 3102 | 3106 | 3112 | rVV3 | 2088401 | 4277103 | 65.59% | 5.474% |
| 66 | 21.409 | 3112 | 3115 | 3121 | rVB | 1497930 | 1845741 | 28.30% | 2.362% |
| 67 | 21.521 | 3132 | 3134 | 3142 | rVB | 472974 | 645379 | 9.90% | 0.826% |
| 68 | 21.686 | 3159 | 3162 | 3167 | rVB2 | 302071 | 399549 | 6.13% | 0.511% |
| 69 | 21.915 | 3197 | 3201 | 3206 | rBV2 | 520139 | 860871 | 13.20% | 1.102% |
| 70 | 21.974 | 3206 | 3211 | 3216 | rVB3 | 629776 | 1237329 | 18.97% | 1.584% |
| 71 | 22.956 | 3372 | 3378 | 3383 | rBV3 | 2998846 | 6521023 | 100.00% | 8.346% |

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM110417\
Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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_M\METHODS\SOM-EPA-BM110417MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 23.462 | 3459 | 3464 | 3468 | rBV | 763147 | 1317542 | 20.20% | 1.686% |
| 73 | 23.515 | 3468 | 3473 | 3477 | rVV2 | 983887 | 2029477 | 31.12% | 2.598% |
| 74 | 23.556 | 3477 | 3480 | 3489 | rVB | 1303796 | 2159793 | 33.12% | 2.764% |
| 75 | 23.656 | 3492 | 3497 | 3501 | rBV | 644421 | 1047883 | 16.07% | 1.341% |
| 76 | 24.197 | 3583 | 3589 | 3597 | rVB | 1248355 | 2459589 | 37.72% | 3.148% |
| 77 | 24.280 | 3598 | 3603 | 3611 | rVB | 639240 | 1236842 | 18.97% | 1.583% |
| 78 | 25.974 | 3884 | 3891 | 3905 | rVB | 789360 | 2736241 | 41.96% | 3.502% |
| 79 | 26.785 | 4022 | 4029 | 4042 | rVB3 | 929087 | 2757663 | 42.29% | 3.530% |

Sum of corrected areas: 78130974

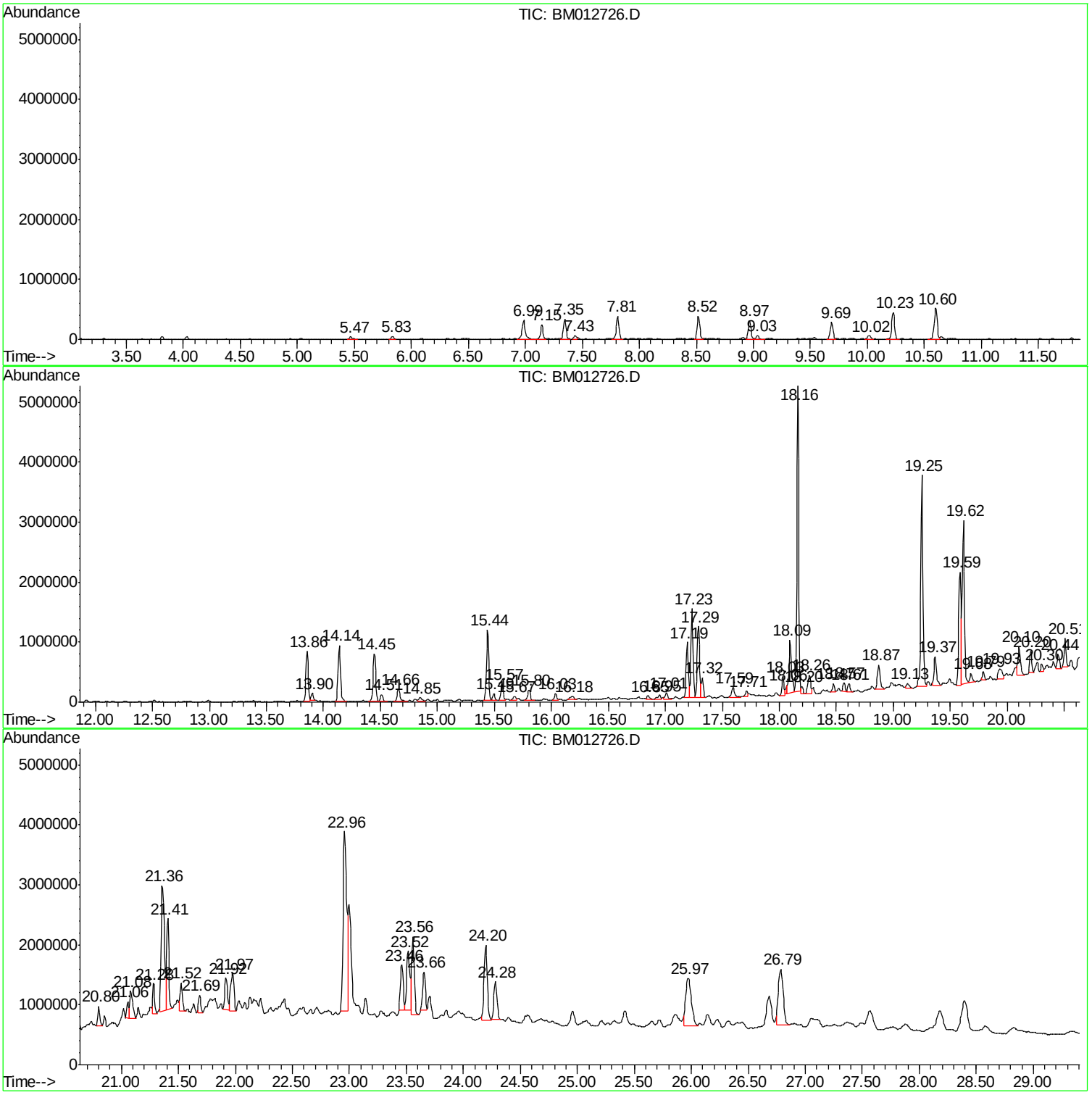
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM110417\
Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM110417\
Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

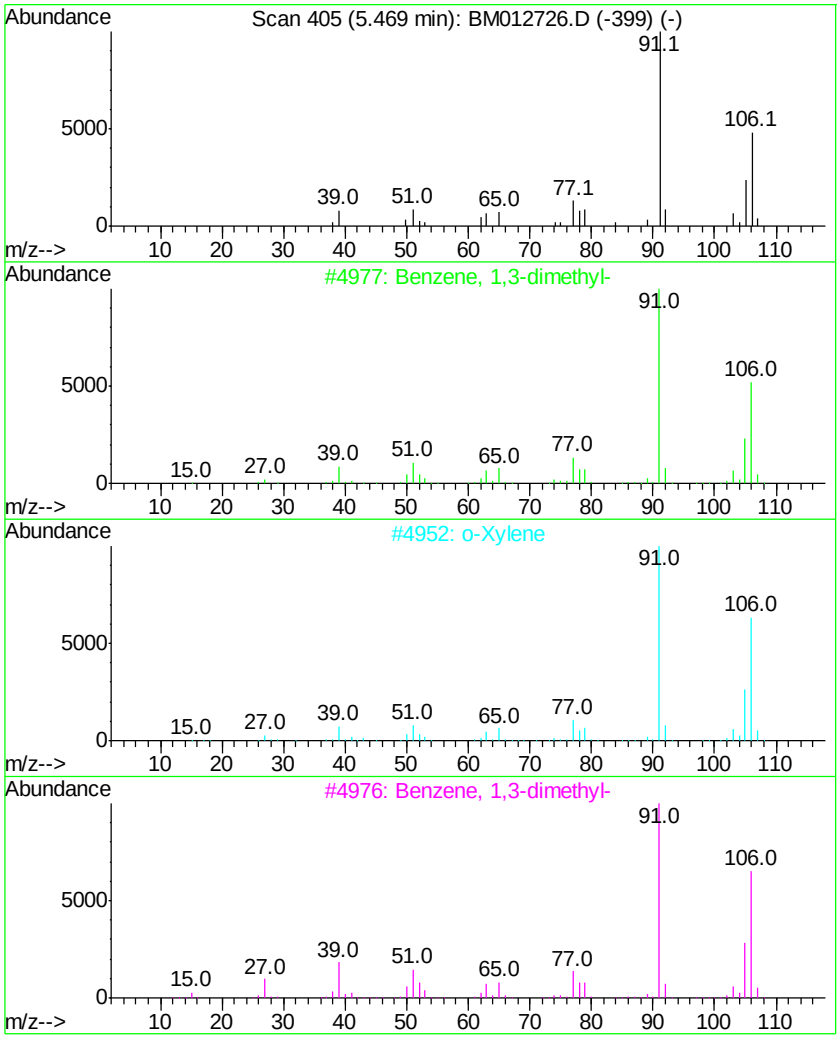
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

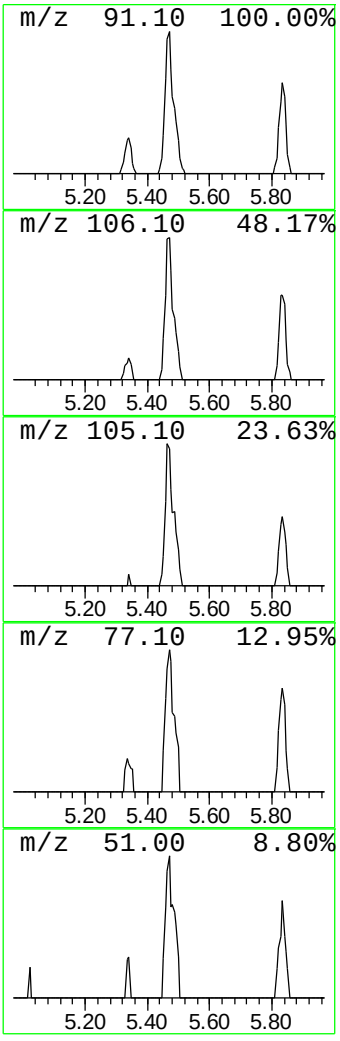
**********

Peak Number 1 Benzene, 1,3-dimethyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.47 | 2.64 ng/ul | 84608 | 1,4-Dichlorobenzene-d4 | 7.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 94 |
| 2 | o-Xylene | 106 | C8H10 | 000095-47-6 | 91 |
| 3 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 91 |
| 4 | p-Xylene | 106 | C8H10 | 000106-42-3 | 91 |
| 5 | p-Xylene | 106 | C8H10 | 000106-42-3 | 91 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM110417\
Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

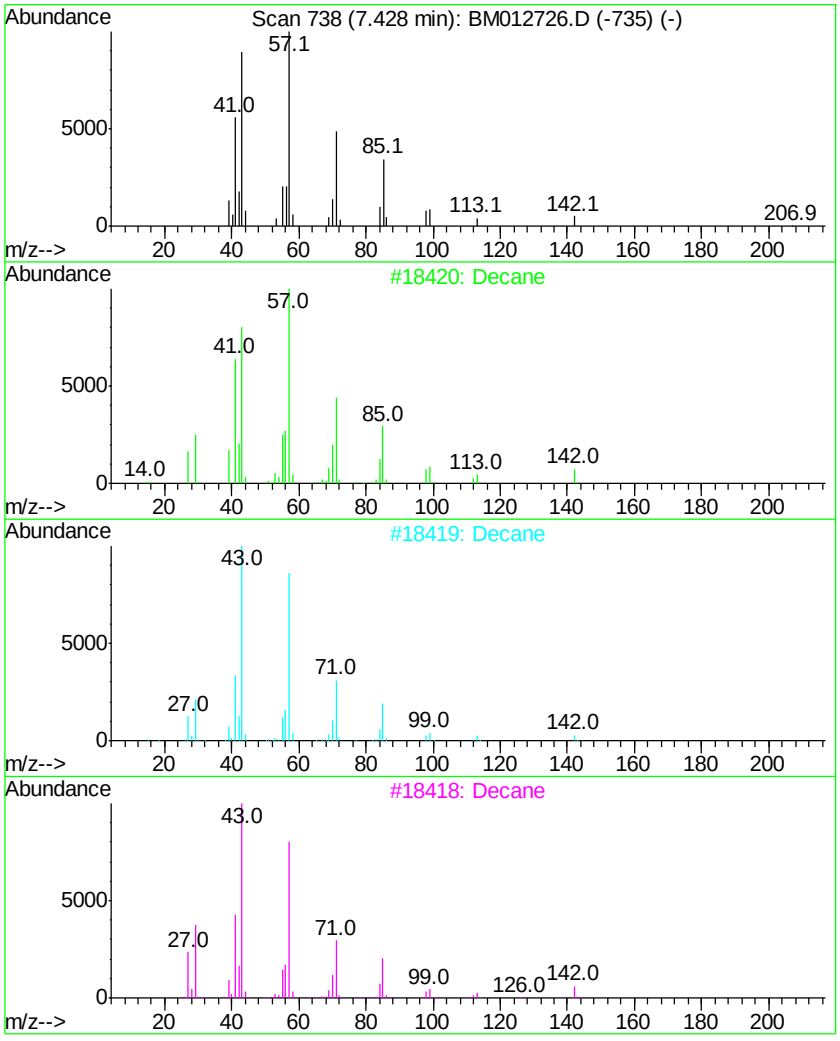
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

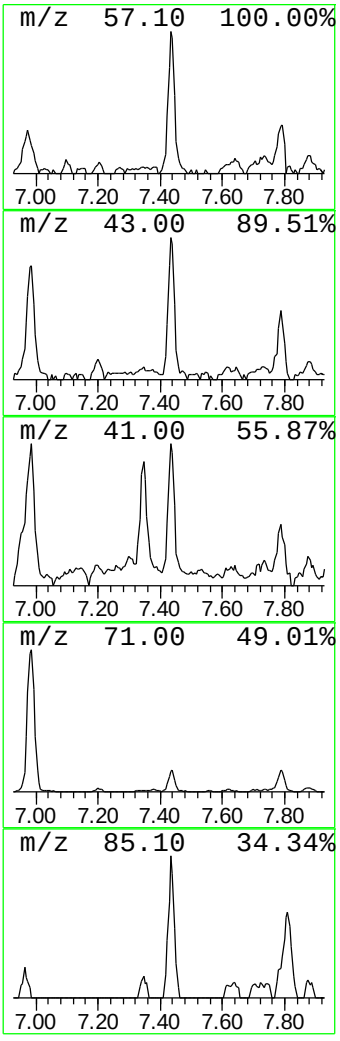
**********

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.43 | 2.82 ng/ul | 90299 | 1,4-Dichlorobenzene-d4 | 7.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane | 142 | C10H22 | 000124-18-5 | 90 |
| 2 | Decane | 142 | C10H22 | 000124-18-5 | 90 |
| 3 | Decane | 142 | C10H22 | 000124-18-5 | 90 |
| 4 | Decane | 142 | C10H22 | 000124-18-5 | 87 |
| 5 | 1-Iodo-2-methylundecane | 296 | C12H25I | 073105-67-6 | 78 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM110417\
Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

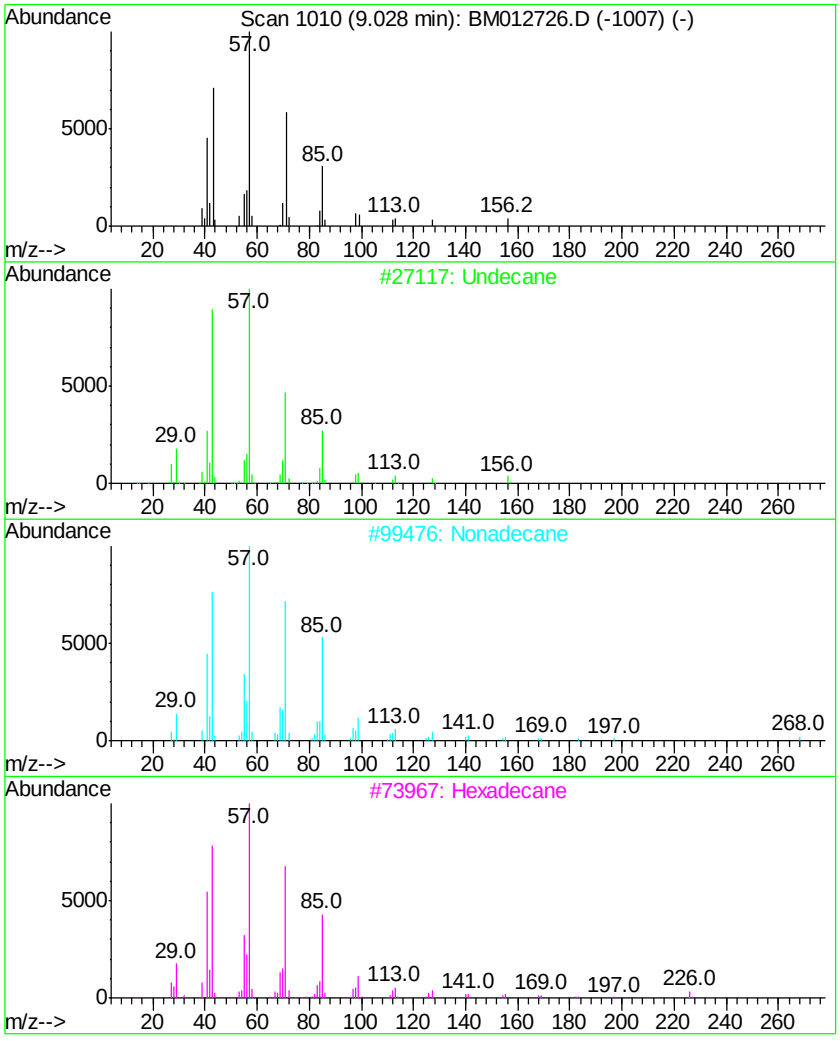
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

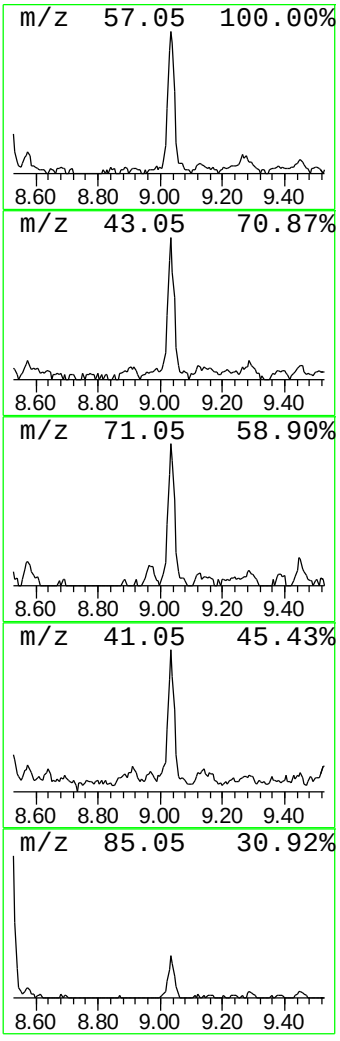
**********

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.03 | 3.41 ng/ul | 108995 | 1,4-Dichlorobenzene-d4 | 7.81 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane | 156 | C11H24 | 001120-21-4 | 90 |
| 2 | Nonadecane | 268 | C19H40 | 000629-92-5 | 86 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 4 | Tridecane | 184 | C13H28 | 000629-50-5 | 78 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 78 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM110417\
Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

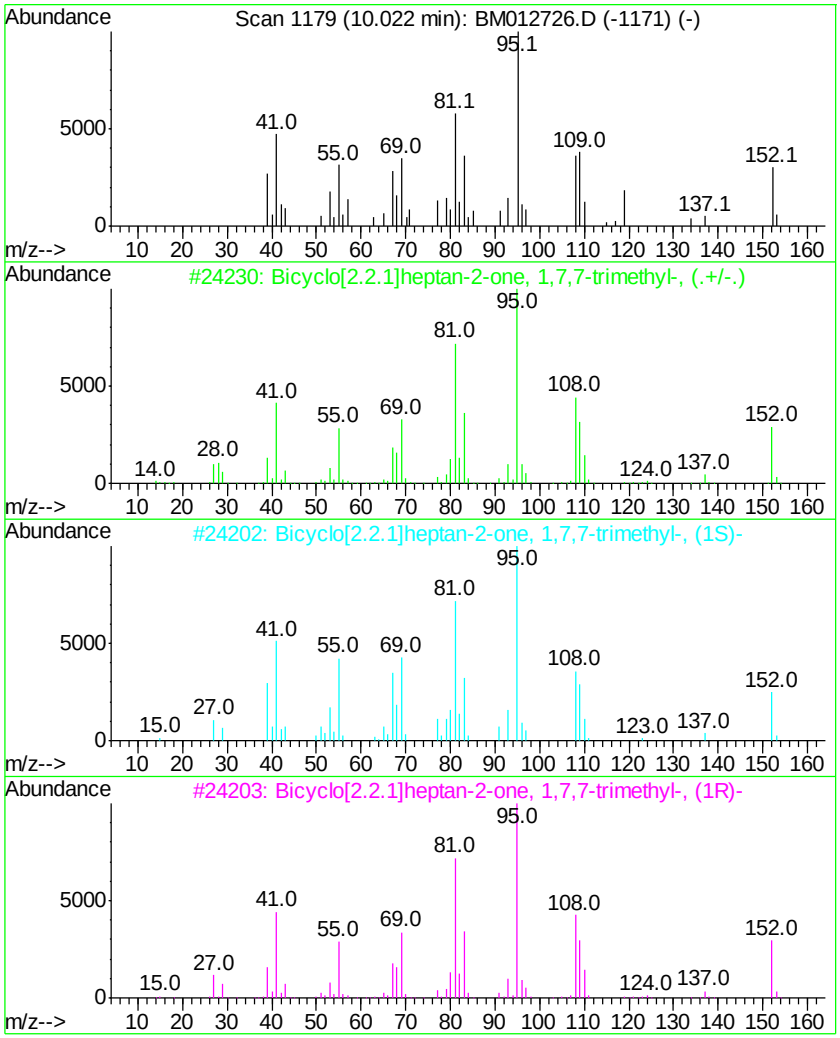
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

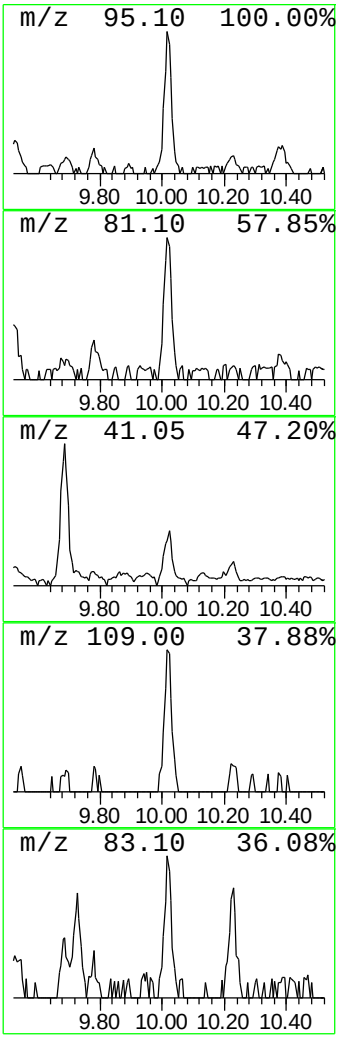
**********

Peak Number 5 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.02 | 2.35 ng/ul | 110370 | Naphthalene-d8 | 10.60 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 | C10H16O | 021368-68-3 | 96 |
| 2 | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 | C10H16O | 000464-48-2 | 95 |
| 3 | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 | C10H16O | 000464-49-3 | 94 |
| 4 | Bicyclo[2.2.1]heptan-2-one, 1,7,... | 152 | C10H16O | 021368-68-3 | 94 |
| 5 | Camphor | 152 | C10H16O | 000076-22-2 | 93 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM110417\
Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

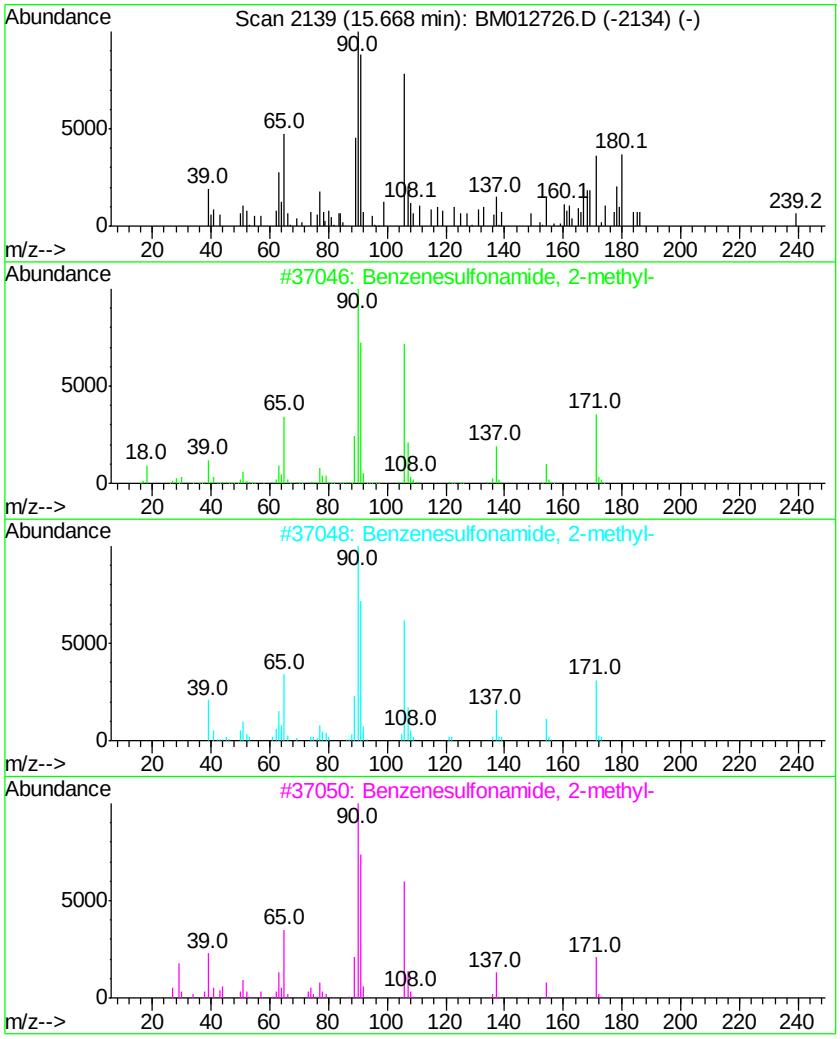
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

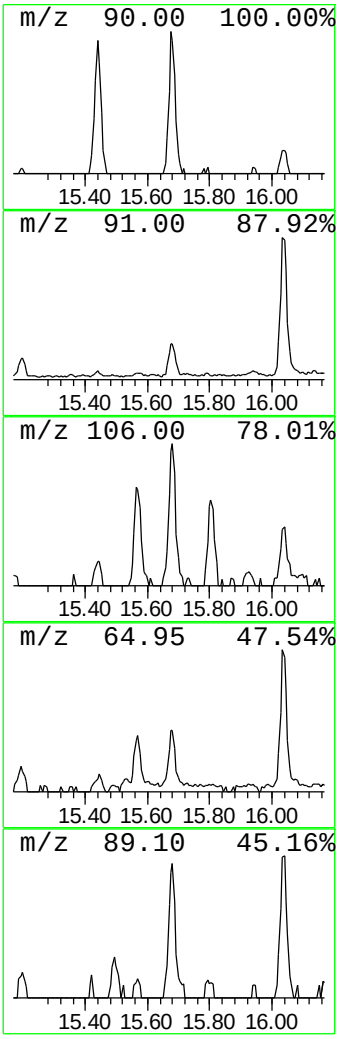
**********

Peak Number 6 Benzenesulfonamide, 2-methyl- Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.67 | 2.40 ng/ul | 148123 | Acenaphthene-d10 | 14.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzenesulfonamide, 2-methyl- | 171 | C7H9NO2S | 000088-19-7 | 94 |
| 2 | Benzenesulfonamide, 2-methyl- | 171 | C7H9NO2S | 000088-19-7 | 93 |
| 3 | Benzenesulfonamide, 2-methyl- | 171 | C7H9NO2S | 000088-19-7 | 90 |
| 4 | Benzenesulfonamide, 2-methyl- | 171 | C7H9NO2S | 000088-19-7 | 90 |
| 5 | 1H-1,2,3-Triazol-1-amine, 4-(4-m... | 262 | C16H14N4 | 113261-43-1 | 53 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM110417\
Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

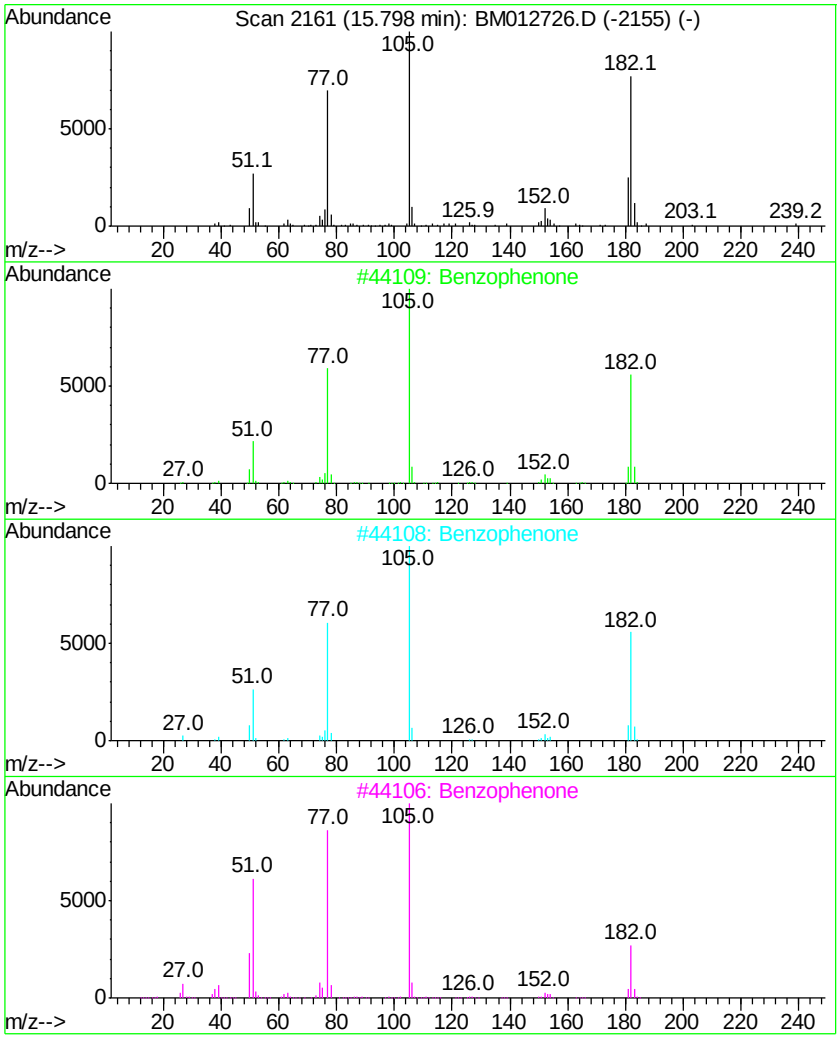
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

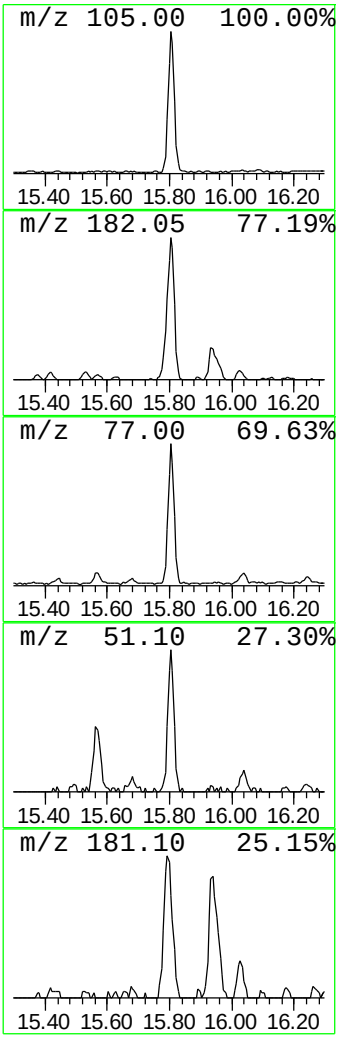
**********

Peak Number 7 Benzophenone Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.80 | 4.82 ng/ul | 298174 | Acenaphthene-d10 | 14.45 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 2 | Benzophenone | 182 | C13H10O | 000119-61-9 | 96 |
| 3 | Benzophenone | 182 | C13H10O | 000119-61-9 | 95 |
| 4 | Benzophenone | 182 | C13H10O | 000119-61-9 | 95 |
| 5 | Benzophenone | 182 | C13H10O | 000119-61-9 | 91 |



# Library Search Compound Report

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Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

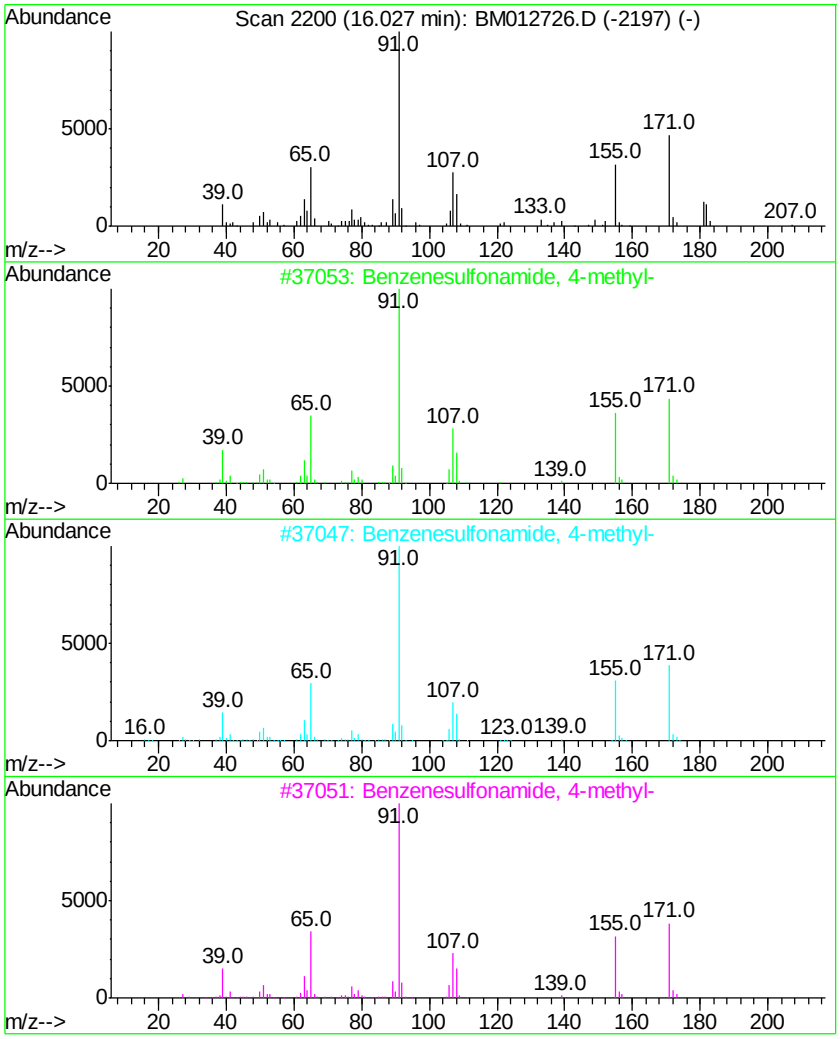
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

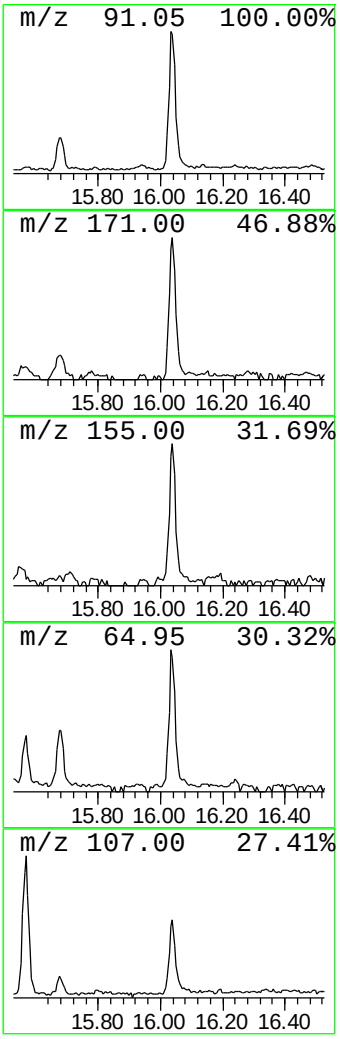
**********

Peak Number 8 Benzenesulfonamide, 4-methyl- Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.03 | 2.43 ng/ul | 155462 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzenesulfonamide, 4-methyl- | 171 | C7H9NO2S | 000070-55-3 | 98 |
| 2 | Benzenesulfonamide, 4-methyl- | 171 | C7H9NO2S | 000070-55-3 | 96 |
| 3 | Benzenesulfonamide, 4-methyl- | 171 | C7H9NO2S | 000070-55-3 | 95 |
| 4 | O-p-toluenesulfonyl-N-acetylser... | 315 | C13H17NO6S | 1000126-44-8 | 74 |
| 5 | Benzenesulfonamide, 4-methyl- | 171 | C7H9NO2S | 000070-55-3 | 72 |



# Library Search Compound Report

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Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

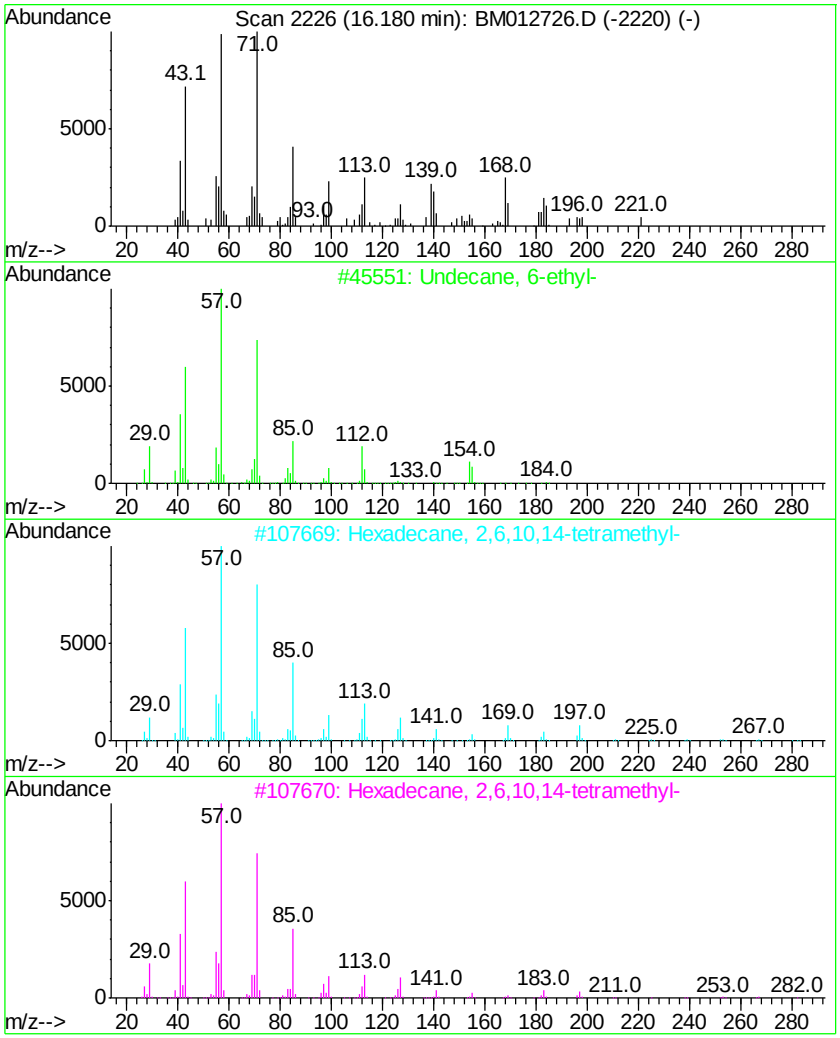
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

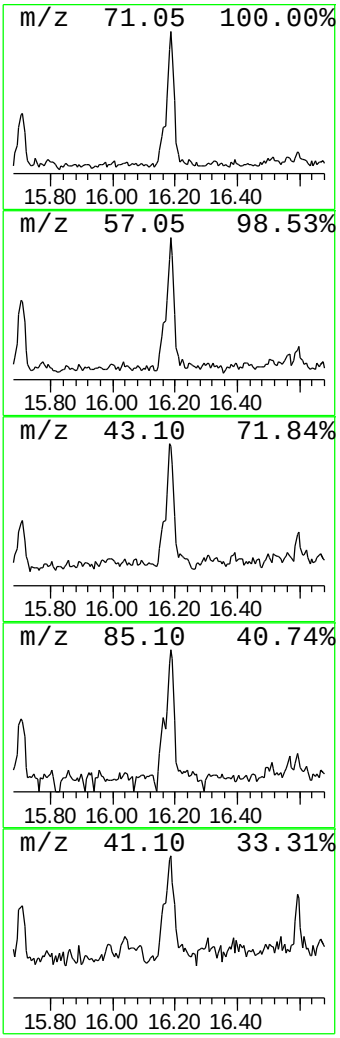
**********

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.18 | 2.06 ng/ul | 131623 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane, 6-ethyl- | 184 | C13H28 | 017312-60-6 | 70 |
| 2 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 58 |
| 3 | Hexadecane, 2,6,10,14-tetramethyl- | 282 | C20H42 | 000638-36-8 | 52 |
| 4 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 47 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 41 |



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Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

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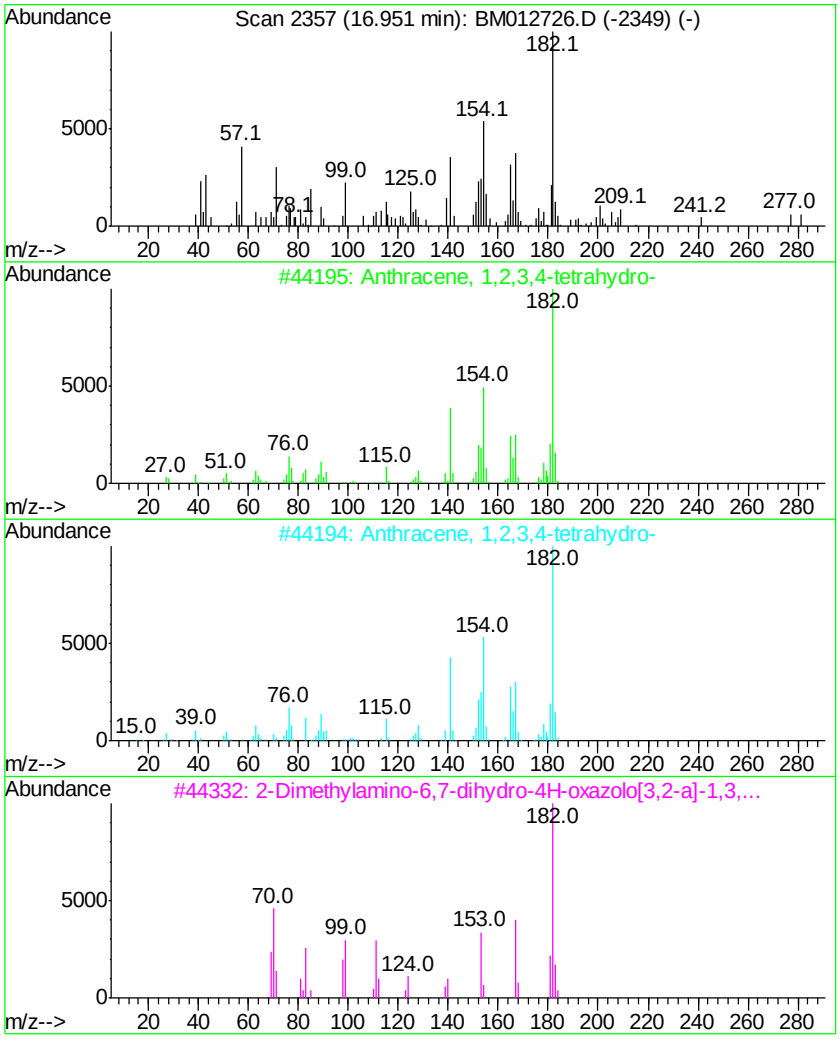
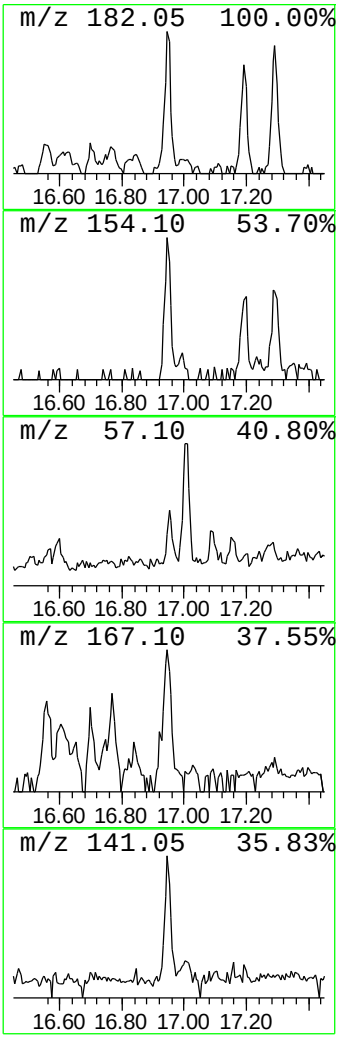
Peak Number 10 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.95 | 2.09 ng/ul | 133566 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 1,2,3,4-tetrahydro- | 182 | C14H14 | 002141-42-6 | 93 |
| 2 | Anthracene, 1,2,3,4-tetrahydro- | 182 | C14H14 | 002141-42-6 | 93 |
| 3 | 2-Dimethylamino-6,7-dihydro-4H-o... | 182 | C7H10N4O2 | 062626-99-7 | 60 |
| 4 | Phenanthrene, 1,2,3,4-tetrahydro- | 182 | C14H14 | 001013-08-7 | 58 |
| 5 | Phenanthrene, 1,2,3,4-tetrahydro- | 182 | C14H14 | 001013-08-7 | 58 |



Library Search Compound Report

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Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

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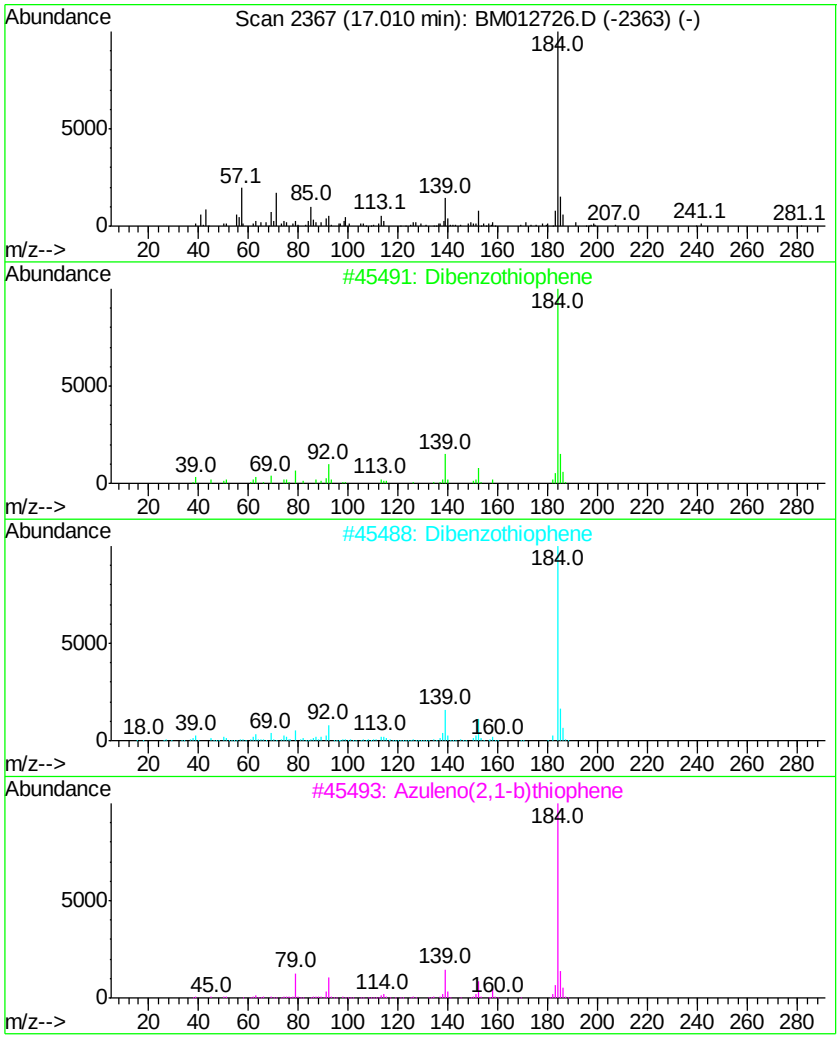
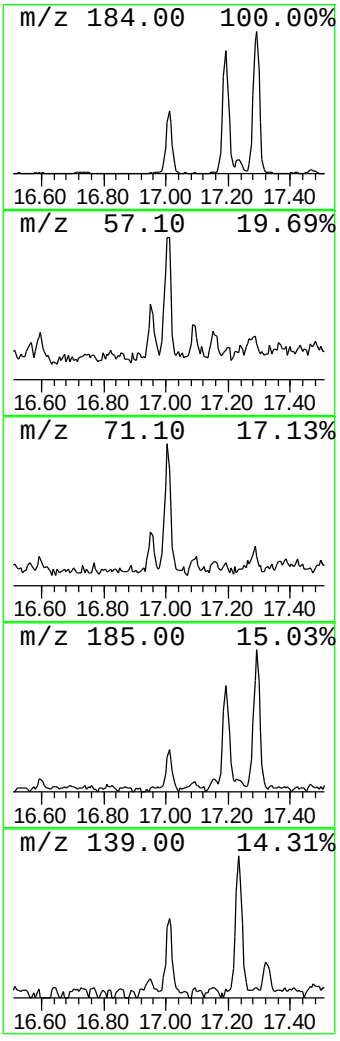
Peak Number 11 Dibenzothiophene Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.01 | 2.64 ng/ul | 169039 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 91 |
| 2 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 87 |
| 3 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 87 |
| 4 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 87 |
| 5 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 83 |



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Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

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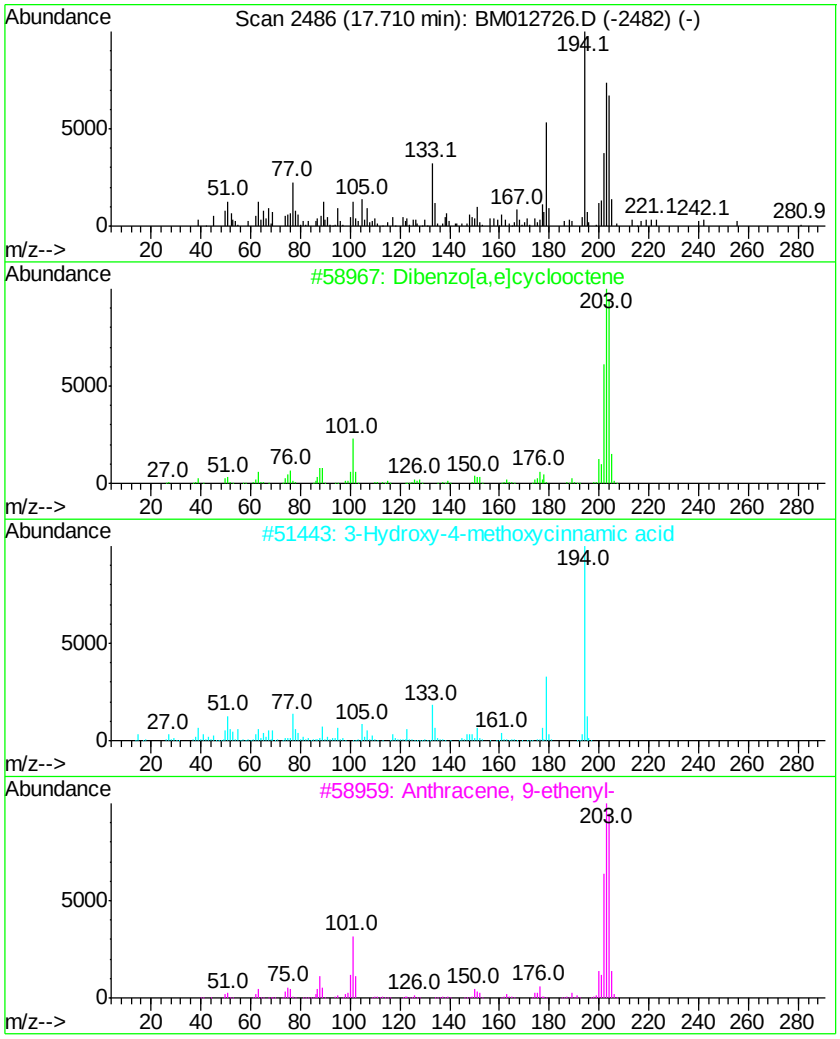
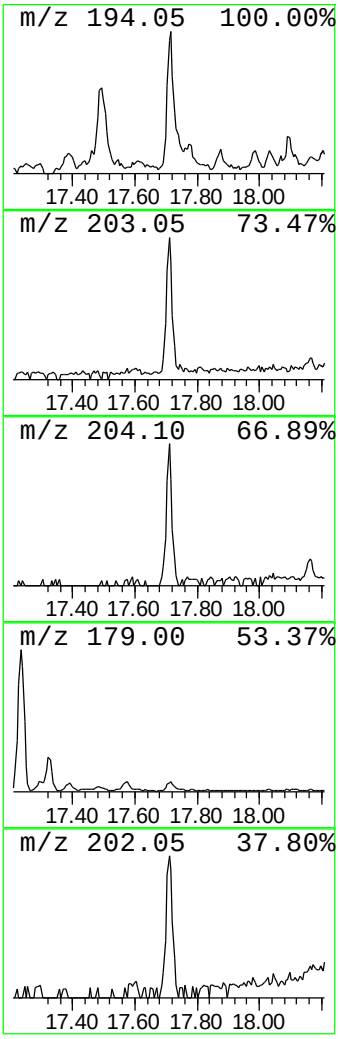
Peak Number 12 Dibenzo[a,e]cyclooctene Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.71 | 2.01 ng/ul | 128881 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzo[a,e]cyclooctene | 204 | C16H12 | 000262-89-5 | 80 |
| 2 | 3-Hydroxy-4-methoxycinnamic acid | 194 | C10H10O4 | 000537-73-5 | 55 |
| 3 | Anthracene, 9-ethenyl- | 204 | C16H12 | 002444-68-0 | 49 |
| 4 | Anthracene, 9-ethenyl- | 204 | C16H12 | 002444-68-0 | 42 |
| 5 | Cyclobuta[1'',2'':3,4;3'',4'':3'... | 204 | C16H12 | 006574-36-3 | 42 |



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Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

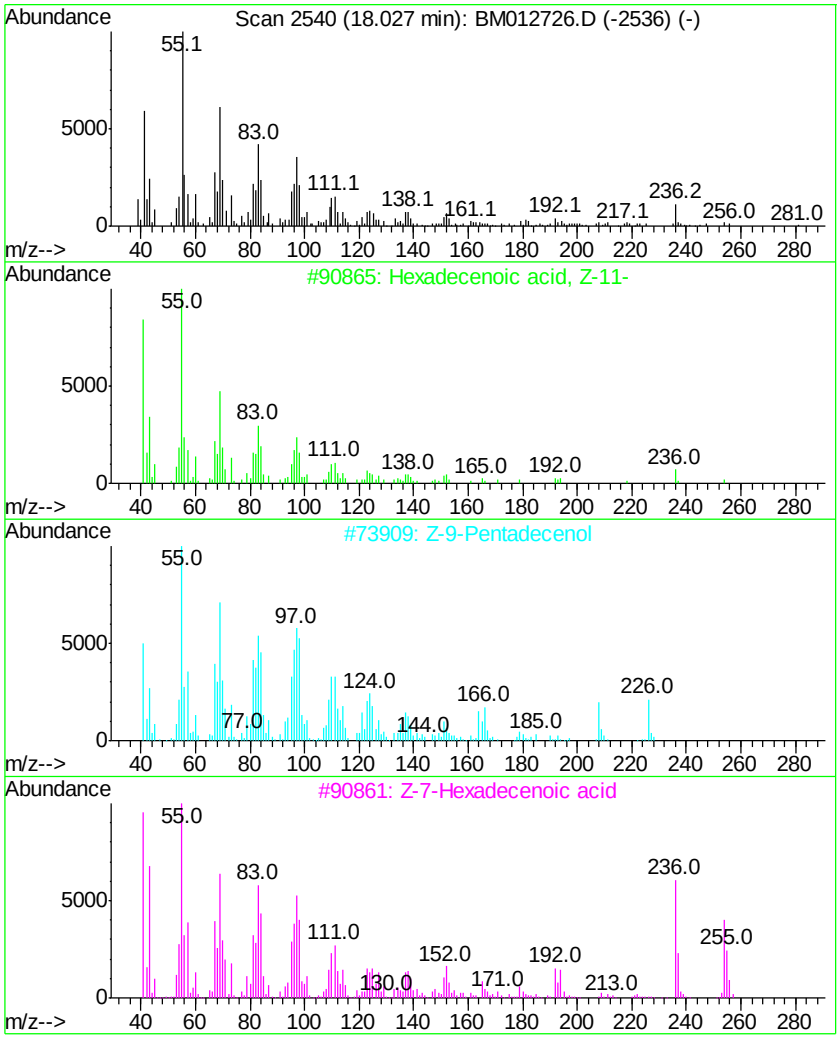
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

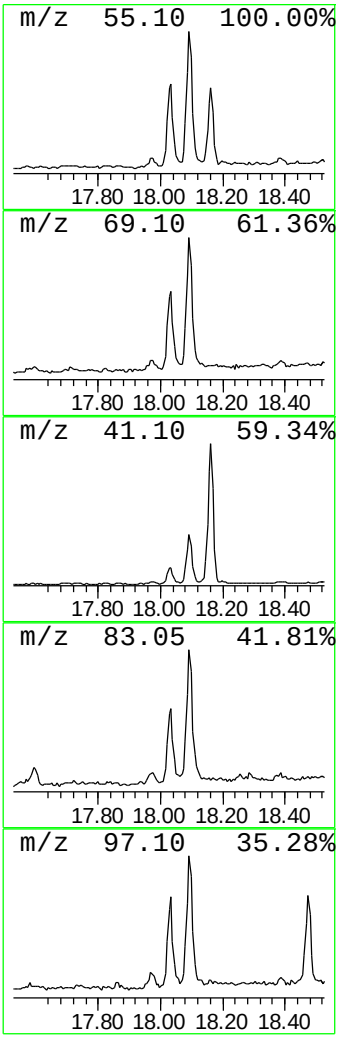
**********

Peak Number 13 Hexadecenoic acid, Z-11- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.03 | 7.02 ng/ul | 449010 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecenoic acid, Z-11- | 254 | C16H30O2 | 002416-20-8 | 93 |
| 2 | Z-9-Pentadecenol | 226 | C15H30O | 1000130-76-9 | 92 |
| 3 | Z-7-Hexadecenoic acid | 254 | C16H30O2 | 1000130-90-8 | 91 |
| 4 | Z-8-Methyl-9-tetradecenoic acid | 240 | C15H28O2 | 1000130-84-5 | 90 |
| 5 | 15-Tetracosenoic acid, methyl es... | 380 | C25H48O2 | 002733-88-2 | 76 |



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Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

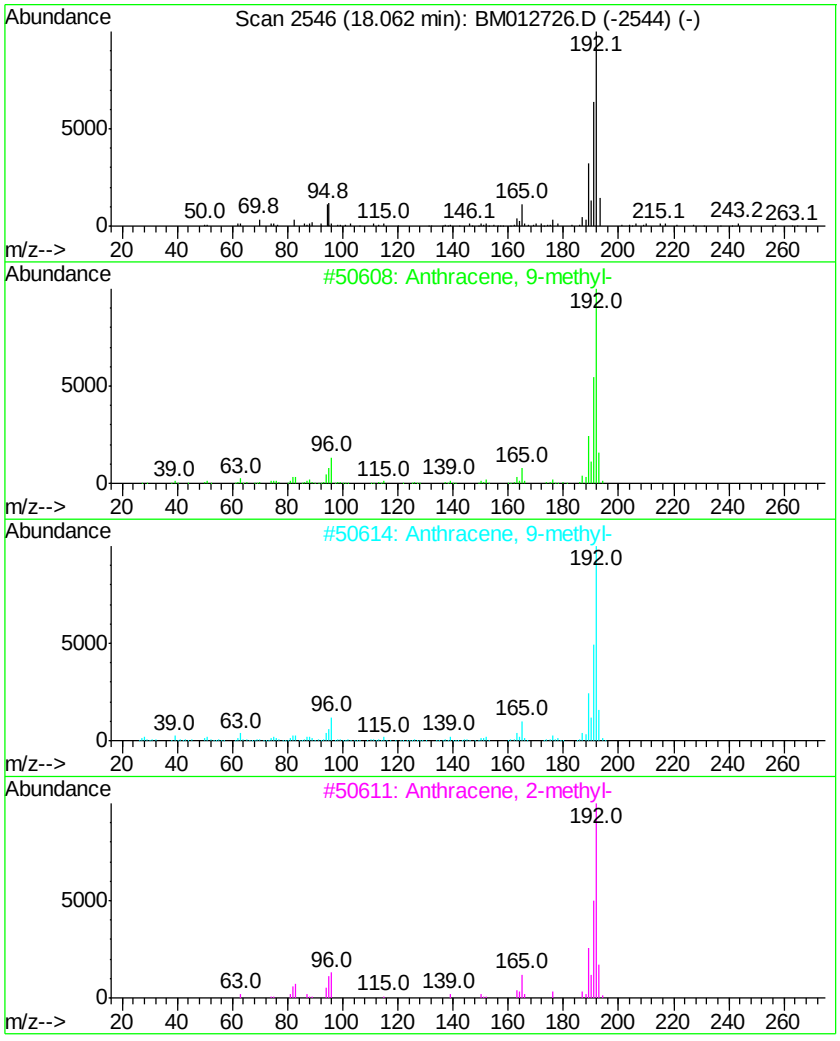
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

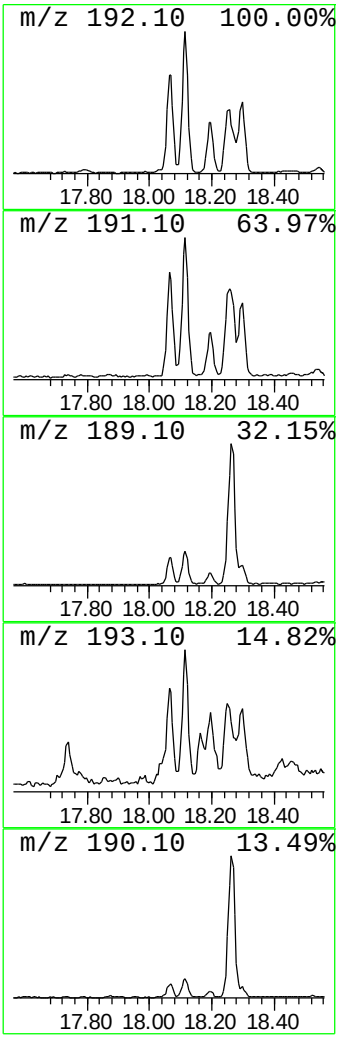
**********

Peak Number 14 Anthracene, 9-methyl- Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.06 | 2.05 ng/ul | 130919 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 94 |
| 2 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 91 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 90 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 87 |



# Library Search Compound Report

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Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

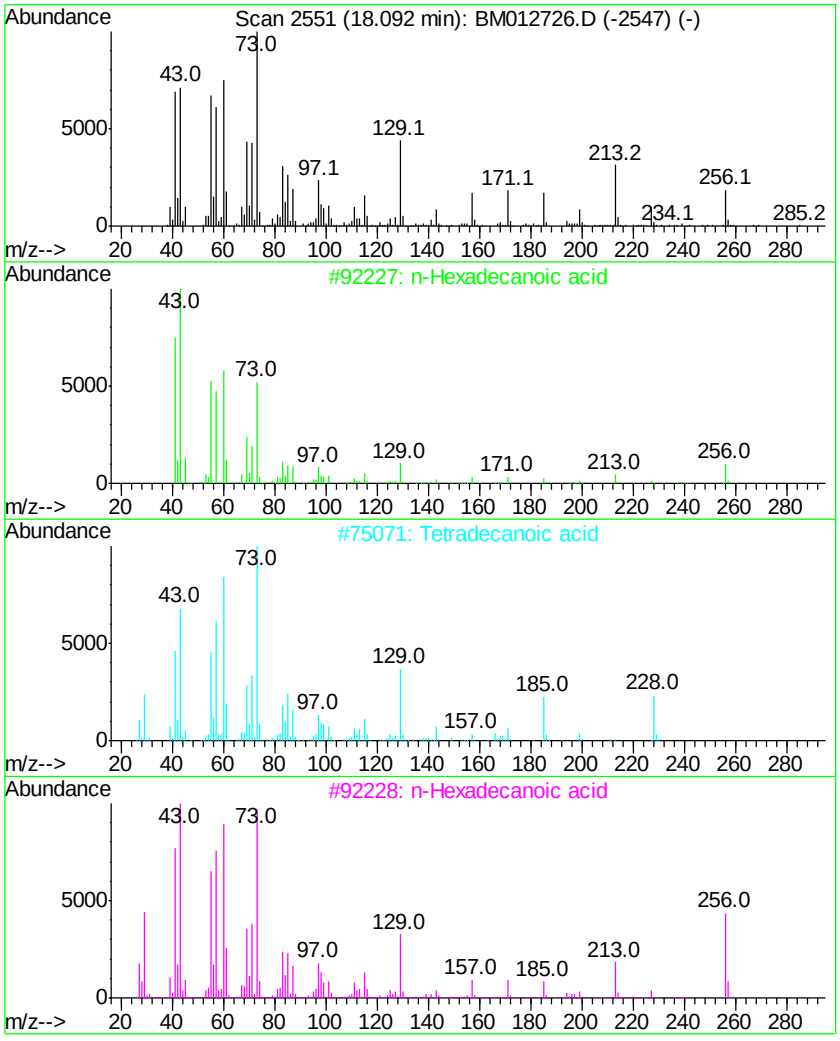
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

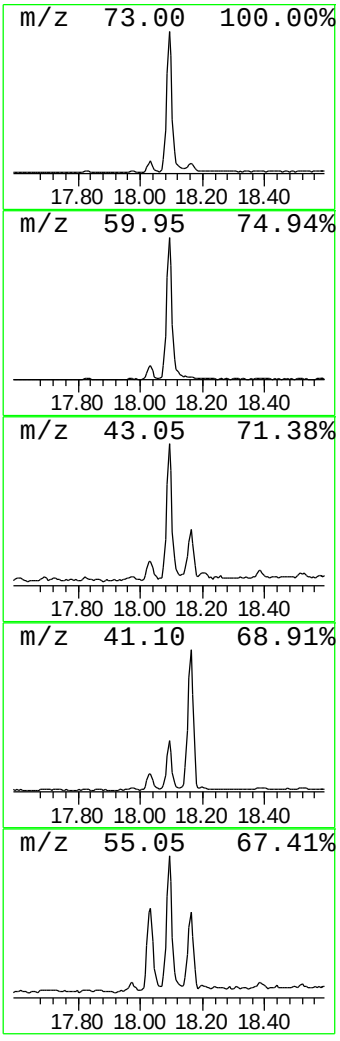
**********

Peak Number 15 n-Hexadecanoic acid Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.09 | 22.14 ng/ul | 1416540 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 95 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 94 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 89 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 89 |



# Library Search Compound Report

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Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

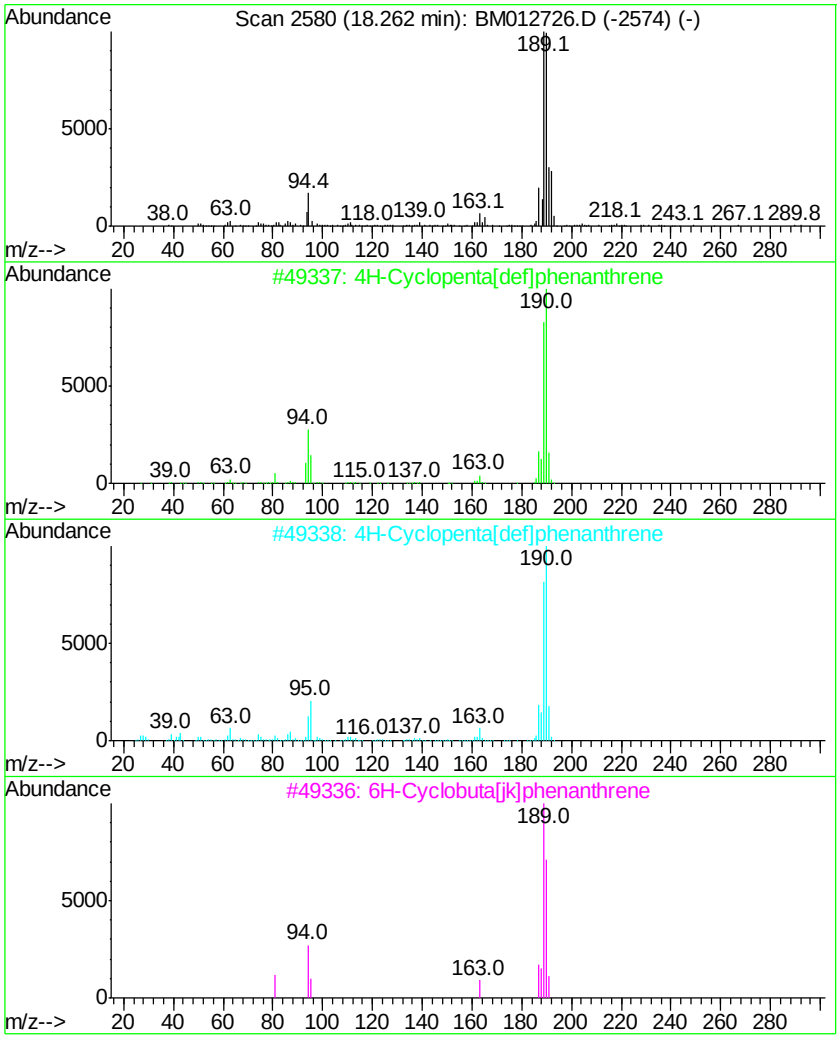
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

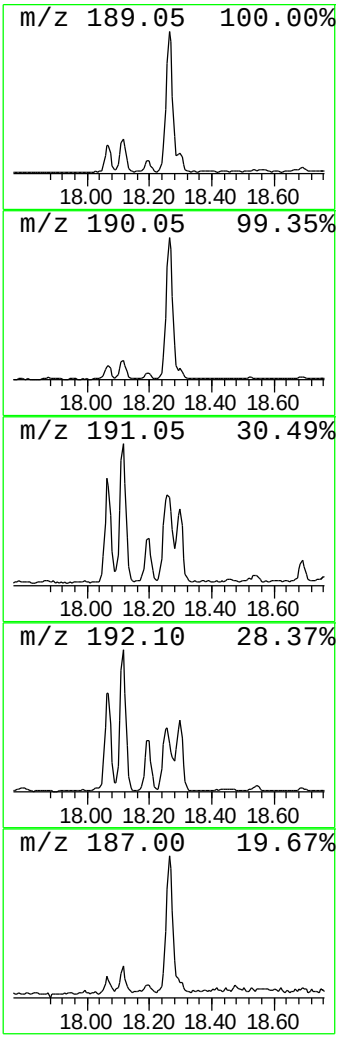
**********

Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.26 | 8.89 ng/ul | 568955 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 93 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 68 |
| 3 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 64 |
| 4 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 49 |
| 5 | 2,2'-Bis(4,5-dimethylimidazole) | 190 | C10H14N4 | 069286-06-2 | 45 |



Library Search Compound Report

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Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

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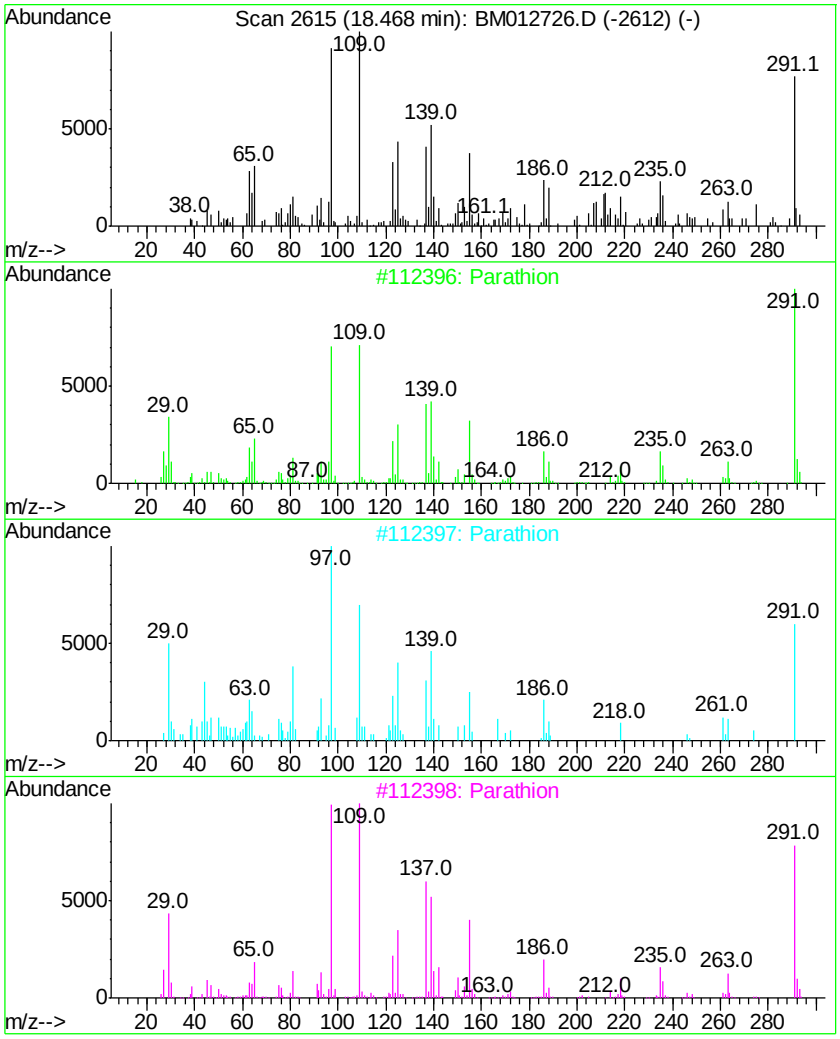
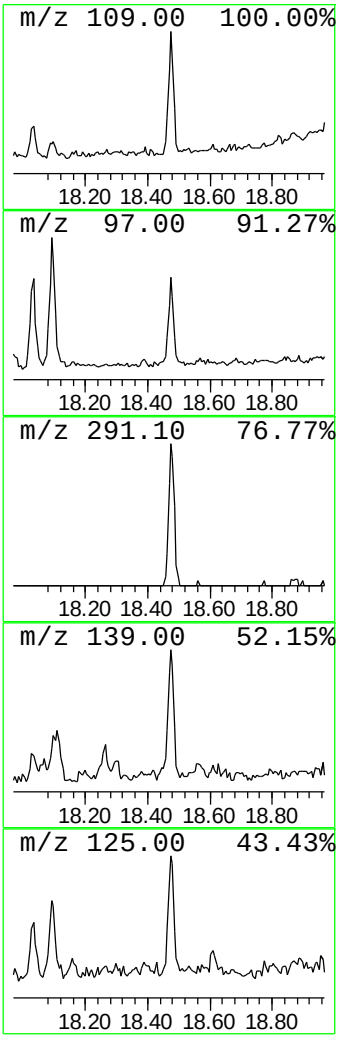
Peak Number 17 Parathion Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.47 | 2.44 ng/ul | 156345 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Parathion | 291 | C10H14NO5PS | 000056-38-2 | 93 |
| 2 | Parathion | 291 | C10H14NO5PS | 000056-38-2 | 76 |
| 3 | Parathion | 291 | C10H14NO5PS | 000056-38-2 | 64 |
| 4 | Imidazole, 2-acetamino-5-methyl- | 139 | C6H9N3O | 160041-61-2 | 18 |
| 5 | 1,2-Dihydro-9-methyl-6-phenoxyca... | 291 | C19H17NO2 | 330592-95-5 | 14 |



Library Search Compound Report

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Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

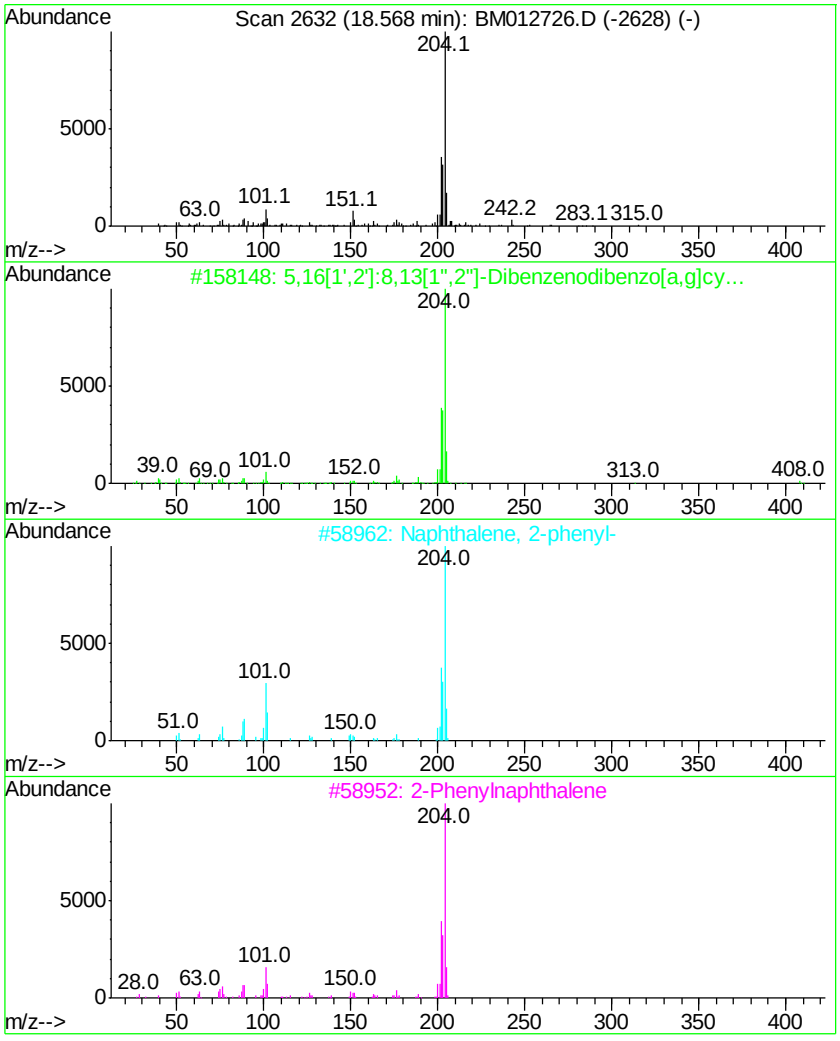
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

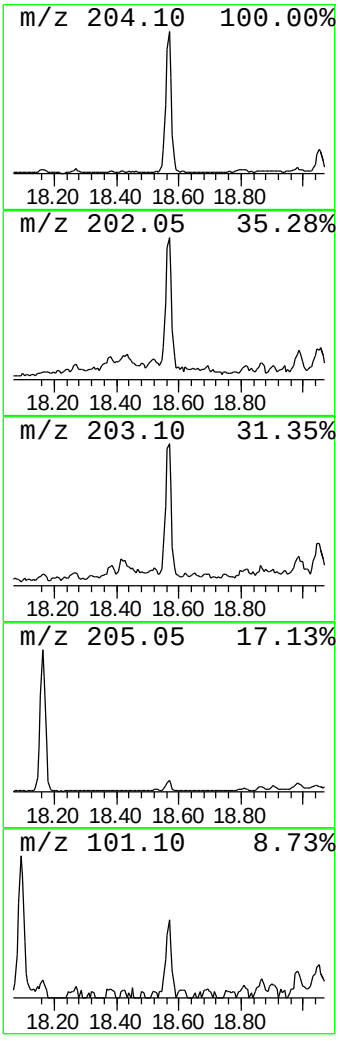
**********

Peak Number 18 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.57 | 2.84 ng/ul | 181985 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 86 |
| 2 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 76 |
| 3 | 2-Phenylnaphthalene | 204 | C16H12 | 035465-71-5 | 76 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 70 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 62 |



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Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

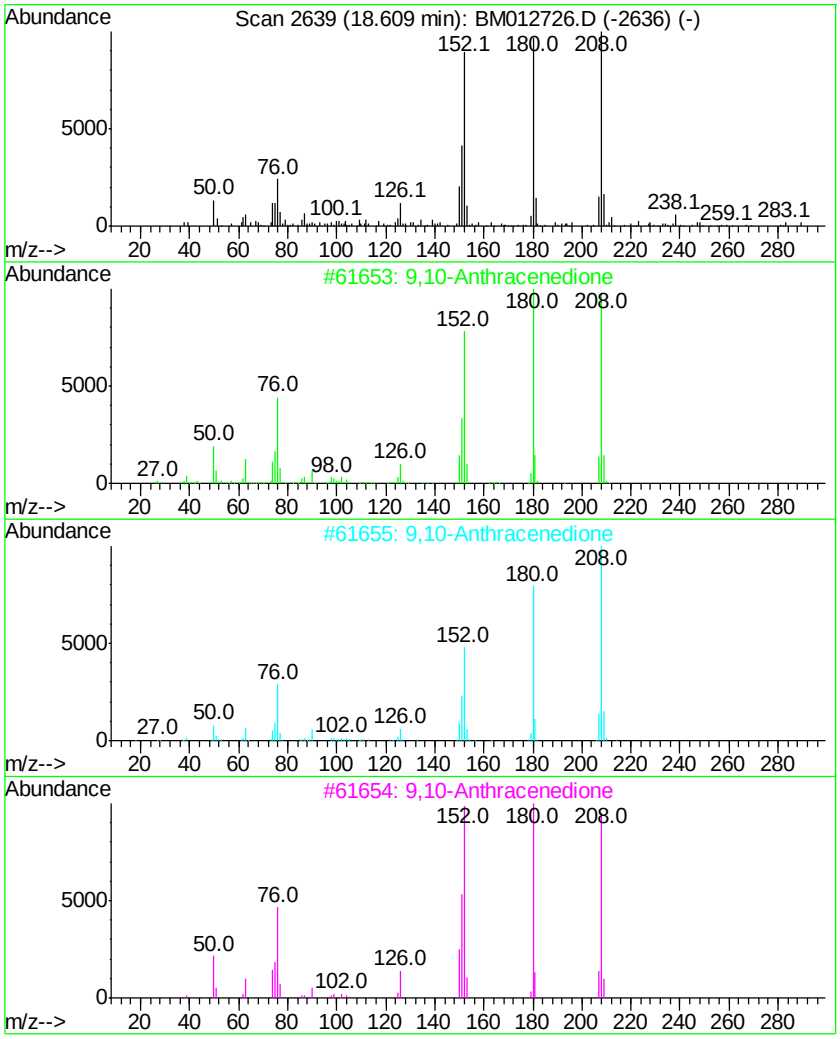
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

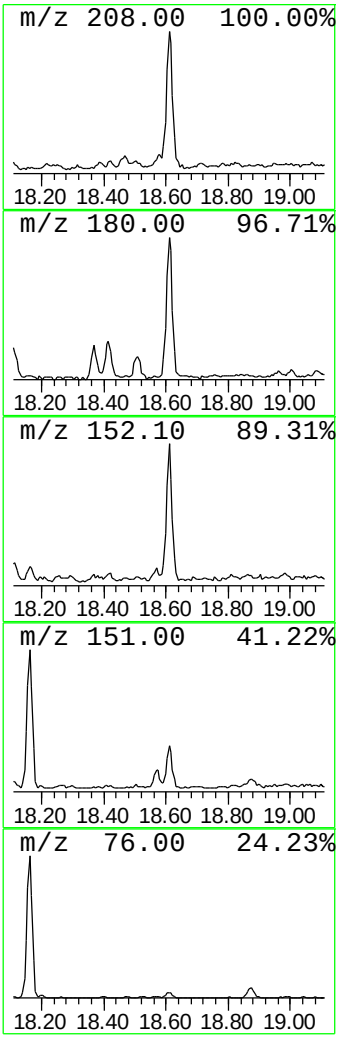
**********

Peak Number 19 9,10-Anthracenedione Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.61 | 2.87 ng/ul | 183345 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 94 |
| 2 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 94 |
| 3 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 93 |
| 4 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 64 |
| 5 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 60 |



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Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

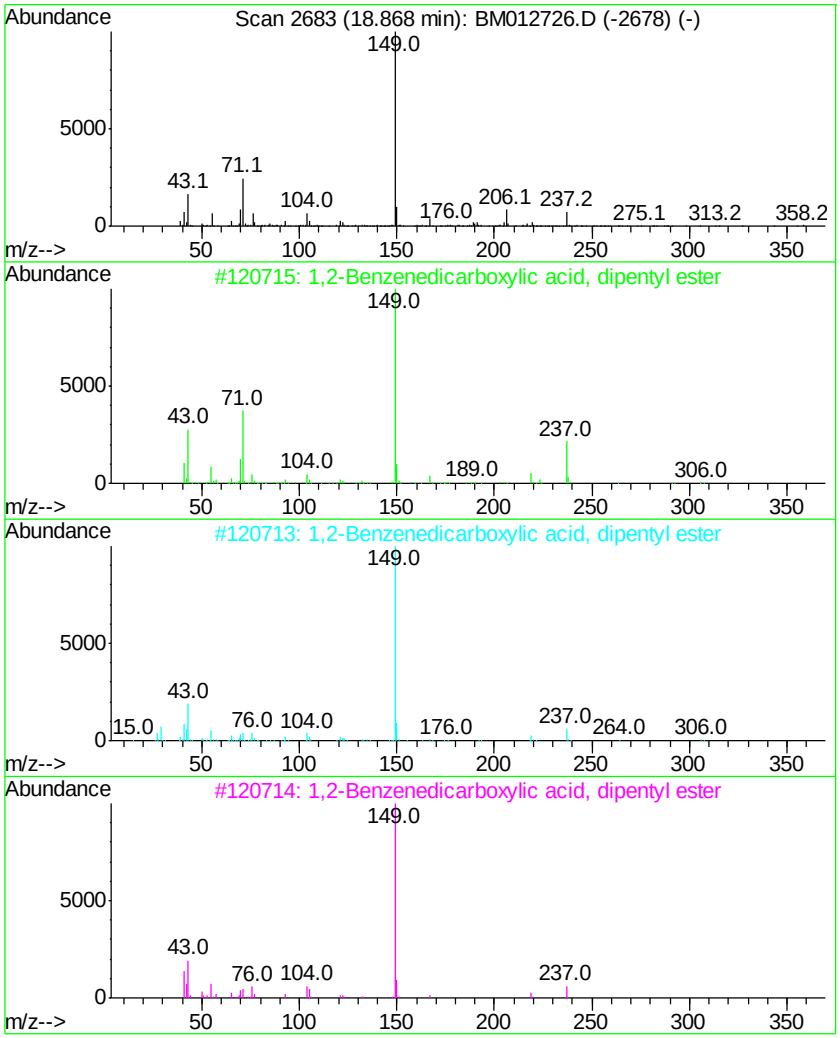
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

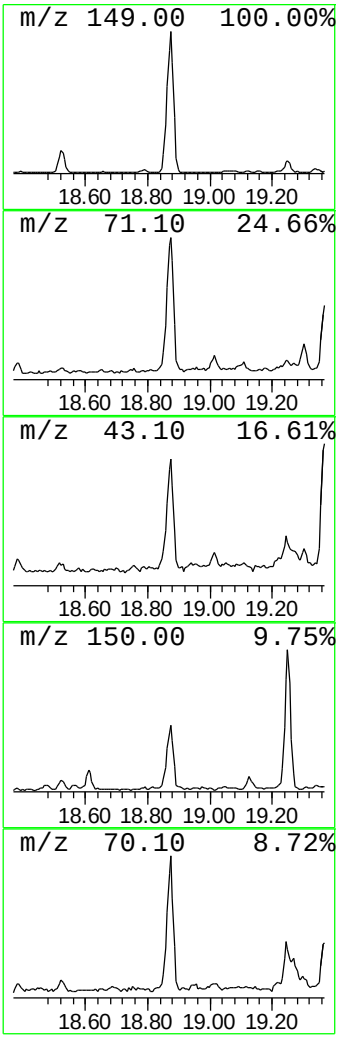
**********

Peak Number 20 1,2-Benzenedicarboxylic aci... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.87 | 10.99 ng/ul | 703230 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2-Benzenedicarboxylic acid, di... | 306 | C18H26O4 | 000131-18-0 | 78 |
| 2 | 1,2-Benzenedicarboxylic acid, di... | 306 | C18H26O4 | 000131-18-0 | 72 |
| 3 | 1,2-Benzenedicarboxylic acid, di... | 306 | C18H26O4 | 000131-18-0 | 72 |
| 4 | 1,2-Benzenedicarboxylic acid, bi... | 278 | C16H22O4 | 000084-69-5 | 53 |
| 5 | Dibutyl phthalate | 278 | C16H22O4 | 000084-74-2 | 53 |



# Library Search Compound Report

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Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

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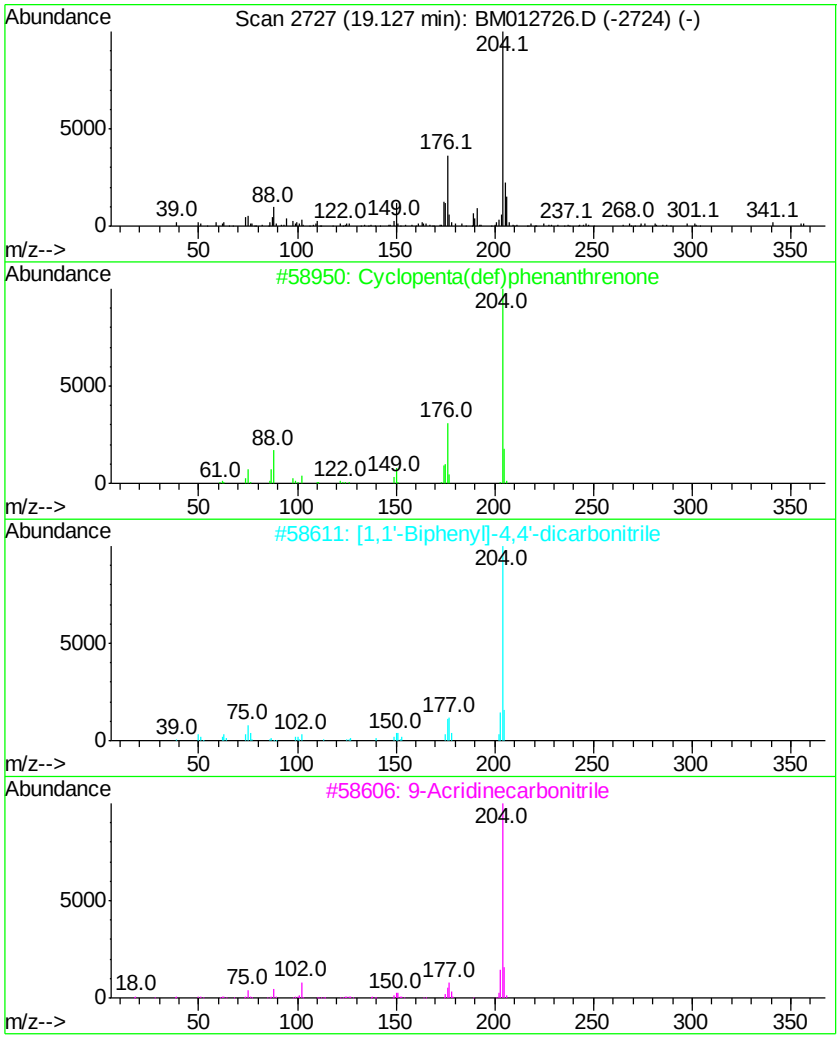
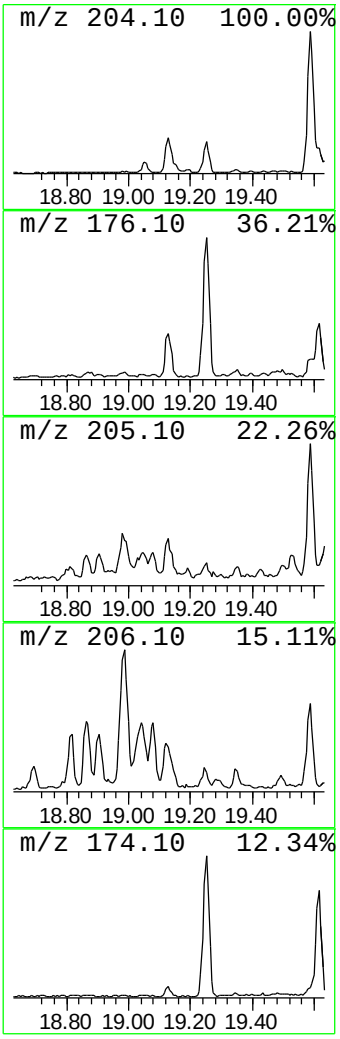
Peak Number 21 Cyclopenta(def)phenanthrenone Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.13 | 2.24 ng/ul | 143098 | Phenanthrene-d10 | 17.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 90 |
| 2 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 50 |
| 3 | 9-Acridinecarbonitrile | 204 | C14H8N2 | 005326-19-2 | 50 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 50 |
| 5 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 46 |



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Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

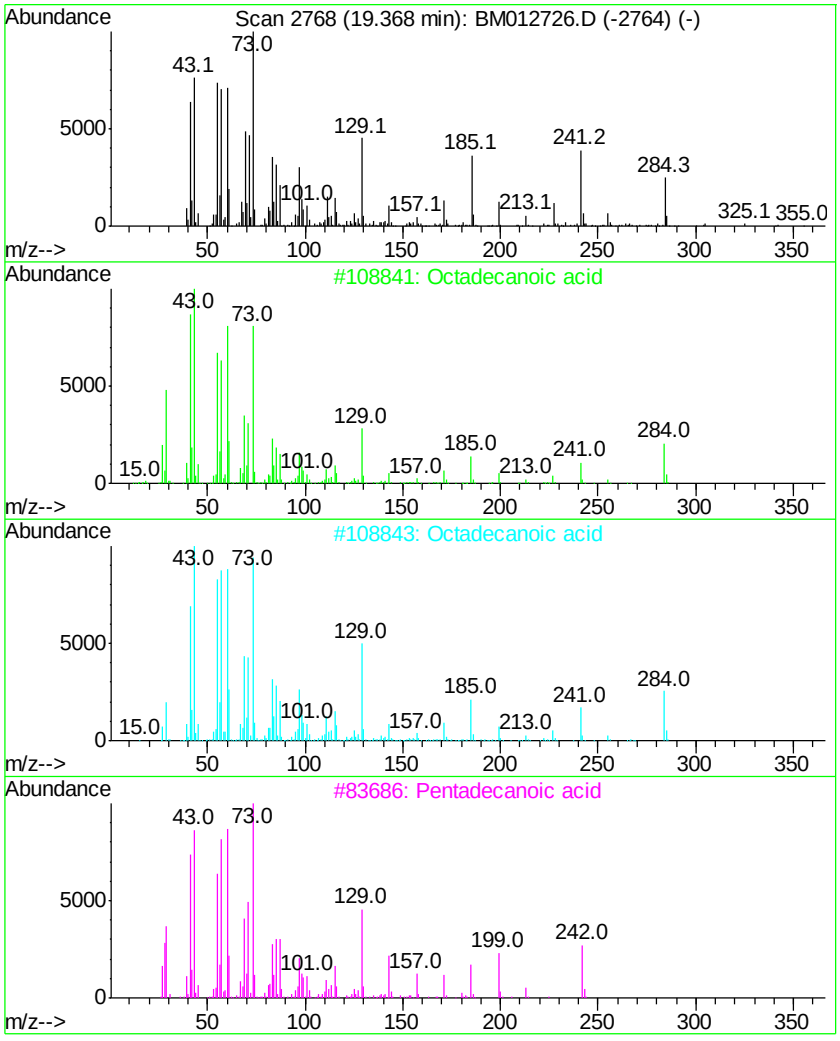
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

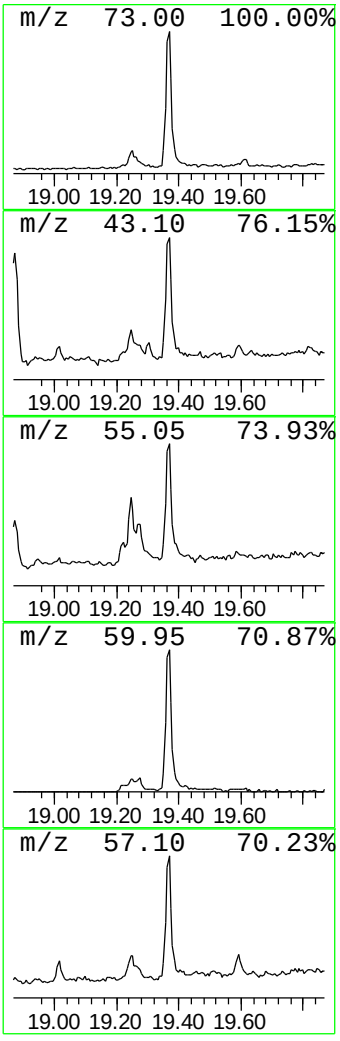
**********

Peak Number 22 Octadecanoic acid Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.37 | 3.21 ng/ul | 687453 | Chrysene-d12 | 21.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 98 |
| 2 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 98 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 83 |
| 4 | Undecanoic acid | 186 | C11H22O2 | 000112-37-8 | 64 |
| 5 | Octadecanoic acid, 2-hydroxy-1,3... | 625 | C39H76O5 | 000504-40-5 | 64 |



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Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

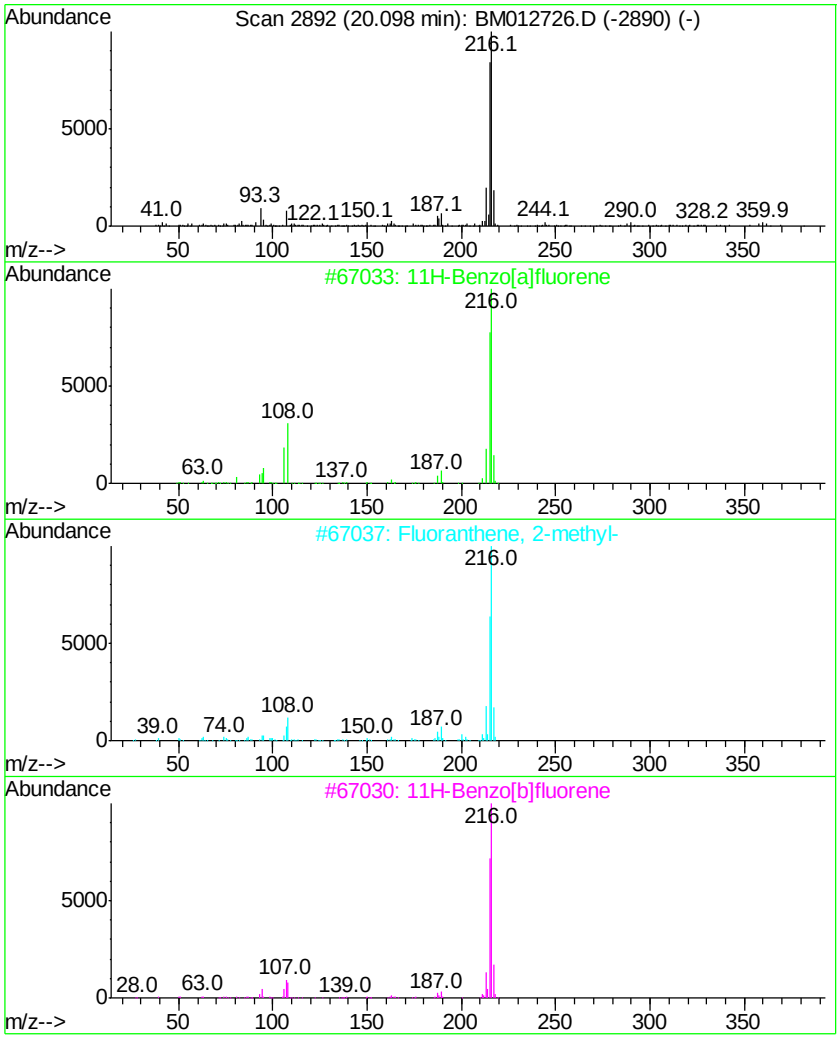
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

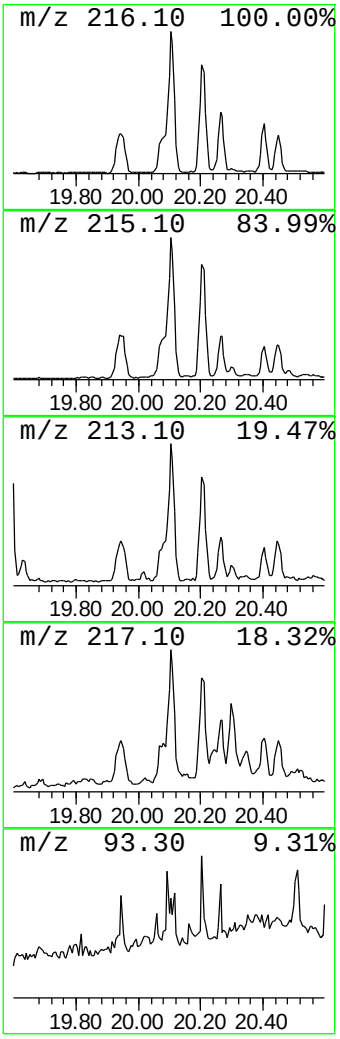
**********

Peak Number 23 11H-Benzo[a]fluorene Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.10 | 3.20 ng/ul | 684837 | Chrysene-d12 | 21.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 93 |
| 2 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 92 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |
| 5 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 86 |



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Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

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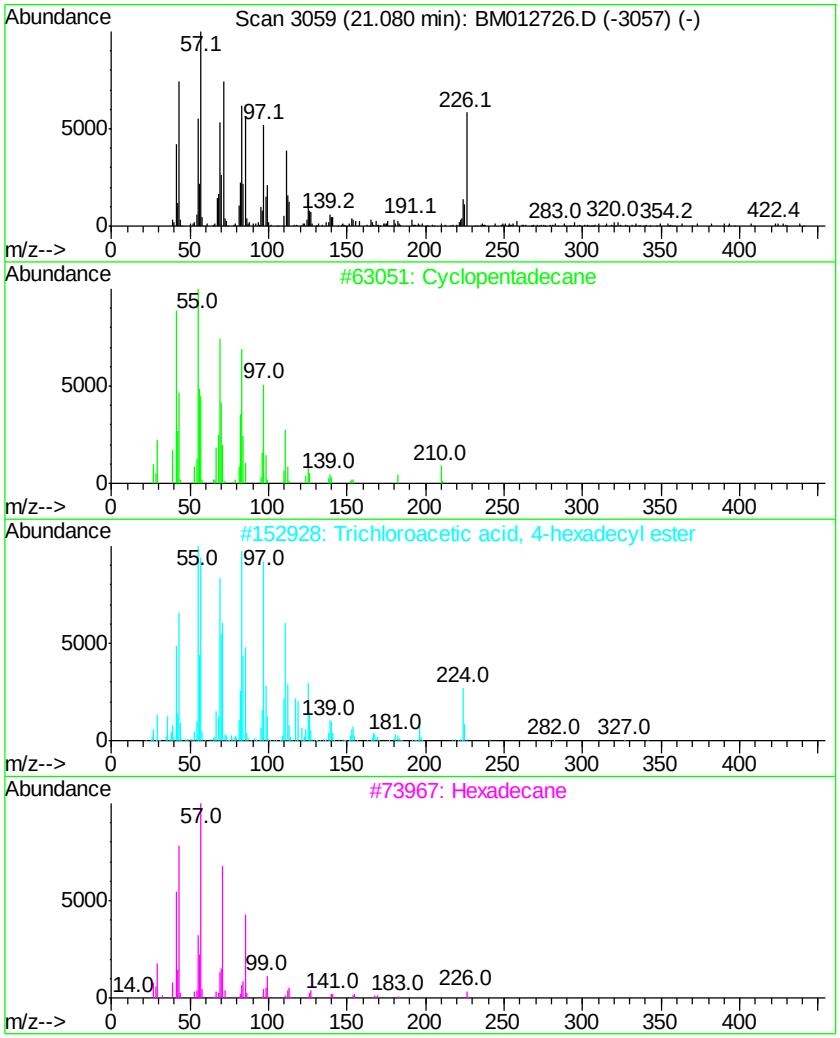
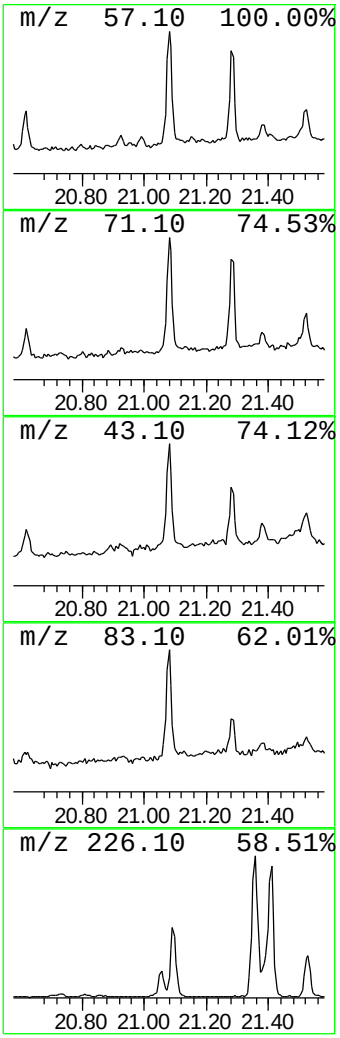
Peak Number 24 (DEL) Alkane: Cyclic21.08 Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.08 | 3.67 ng/ul | 785602 | Chrysene-d12 | 21.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 55 |
| 2 | Trichloroacetic acid, 4-hexadecy... | 386 | C18H33Cl3O2 | 1000282-92-4 | 55 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 55 |
| 4 | 2-Methyl-2-docosene | 322 | C23H46 | 1000131-16-9 | 55 |
| 5 | 4-Trifluoroacetoxyhexadecane | 338 | C18H33F3O2 | 1000215-97-5 | 49 |



Library Search Compound Report

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Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

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

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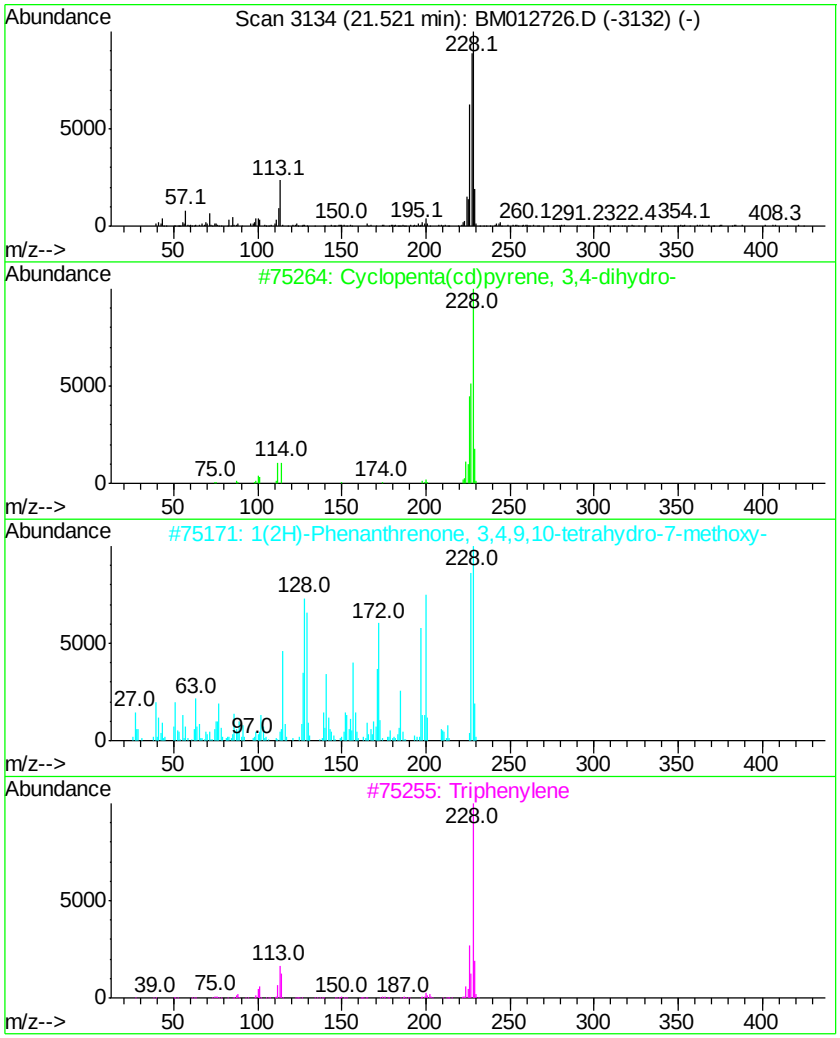
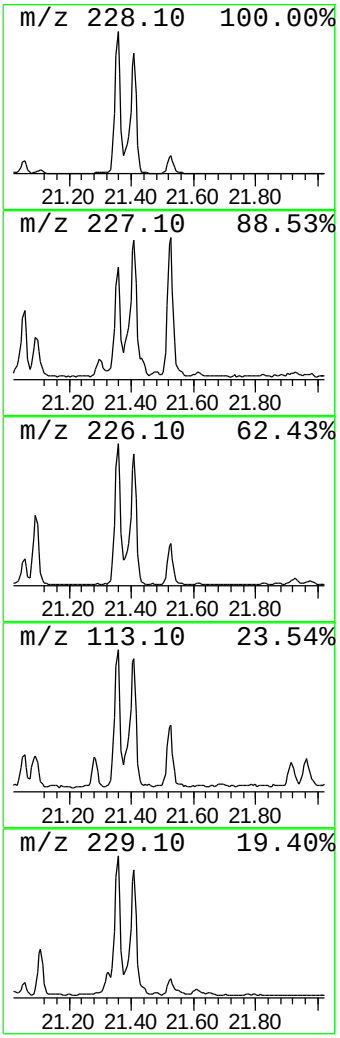
Peak Number 25 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.52 | 3.02 ng/ul | 645379 | Chrysene-d12 | 21.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(cd)pyrene, 3,4-dihydro- | 228 | C18H12 | 025732-74-5 | 55 |
| 2 | 1(2H)-Phenanthrenone, 3,4,9,10-t... | 228 | C15H16O2 | 014427-61-3 | 50 |
| 3 | Triphenylene | 228 | C18H12 | 000217-59-4 | 43 |
| 4 | Benzo[c]phenanthrene | 228 | C18H12 | 000195-19-7 | 43 |
| 5 | Isothiazol-5-amine, 4-bromo-3-ch... | 226 | C4H4BrClN2S | 1000272-59-9 | 43 |



# Library Search Compound Report

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Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

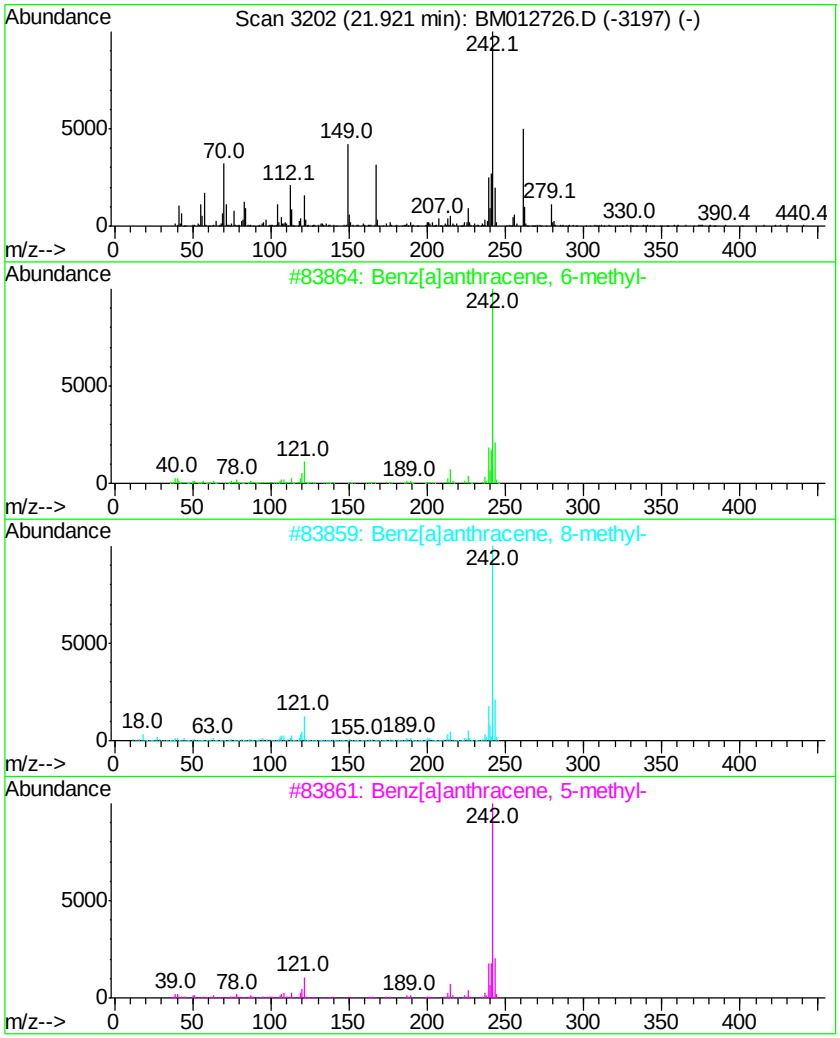
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

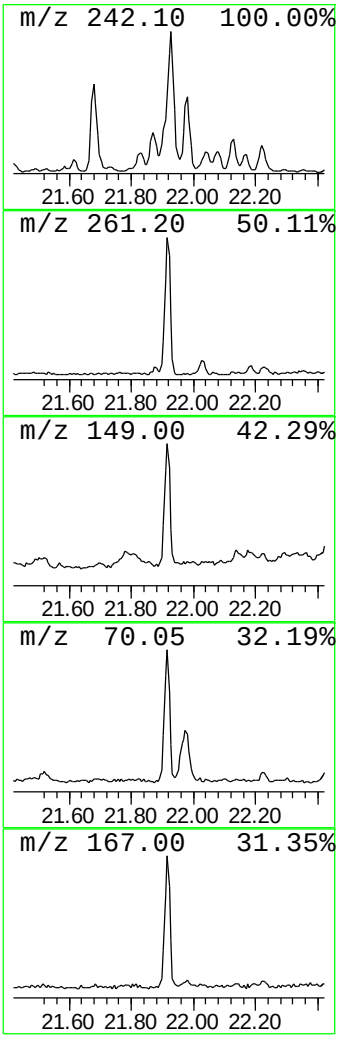
**********

Peak Number 26 Benz[a]anthracene, 6-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.92 | 4.03 ng/ul | 860871 | Chrysene-d12 | 21.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benz[a]anthracene, 6-methyl- | 242 | C19H14 | 000316-14-3 | 56 |
| 2 | Benz[a]anthracene, 8-methyl- | 242 | C19H14 | 002381-31-9 | 56 |
| 3 | Benz[a]anthracene, 5-methyl- | 242 | C19H14 | 002319-96-2 | 56 |
| 4 | Benz[a]anthracene, 11-methyl- | 242 | C19H14 | 006111-78-0 | 56 |
| 5 | Benz[a]anthracene, 10-methyl- | 242 | C19H14 | 002381-15-9 | 56 |



# Library Search Compound Report

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Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

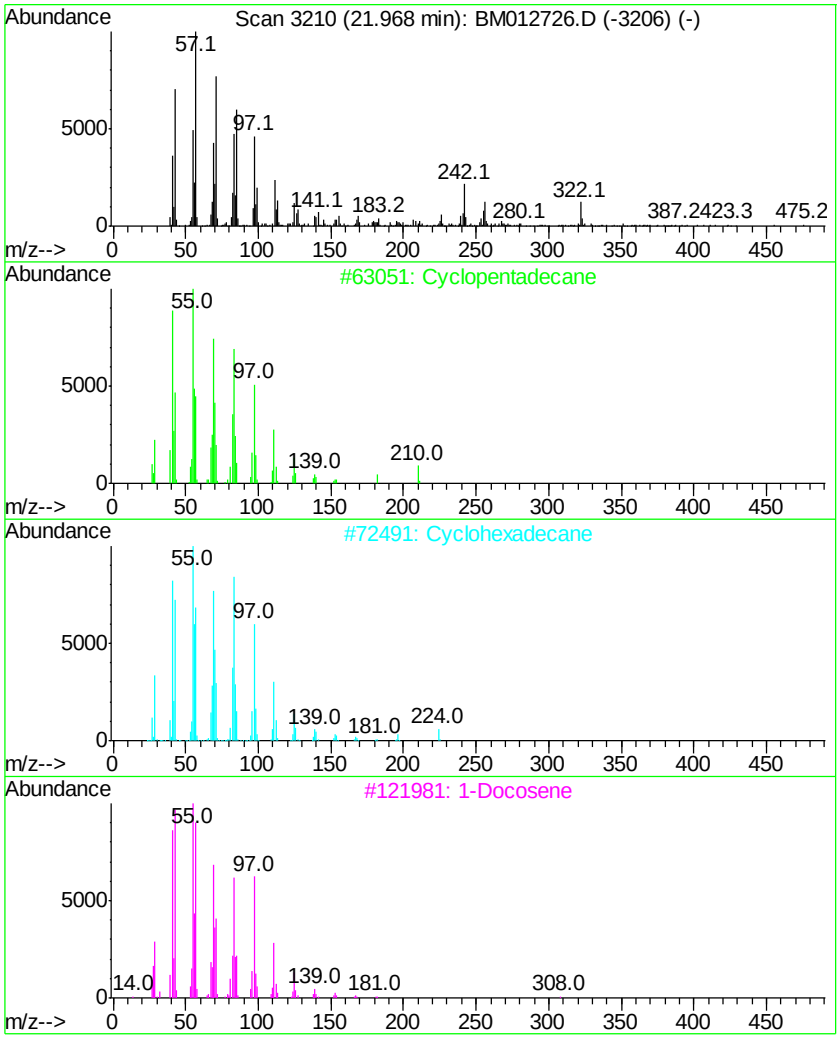
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

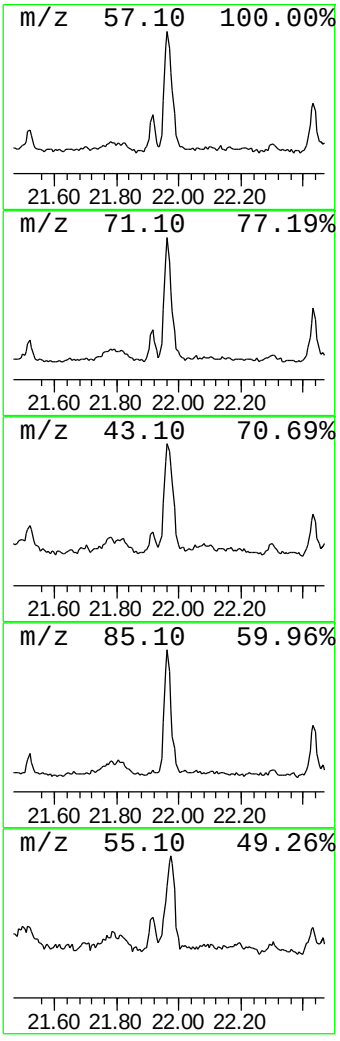
**********

Peak Number 27 (DEL) Alkane: Cyclic21.97 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.97 | 5.79 ng/ul | 1237330 | Chrysene-d12 | 21.37 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentadecane | 210 | C15H30 | 000295-48-7 | 87 |
| 2 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 87 |
| 3 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 86 |
| 4 | 9-Tricosene, (Z)- | 322 | C23H46 | 027519-02-4 | 86 |
| 5 | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2 | 088104-31-8 | 83 |



Library Search Compound Report

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Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

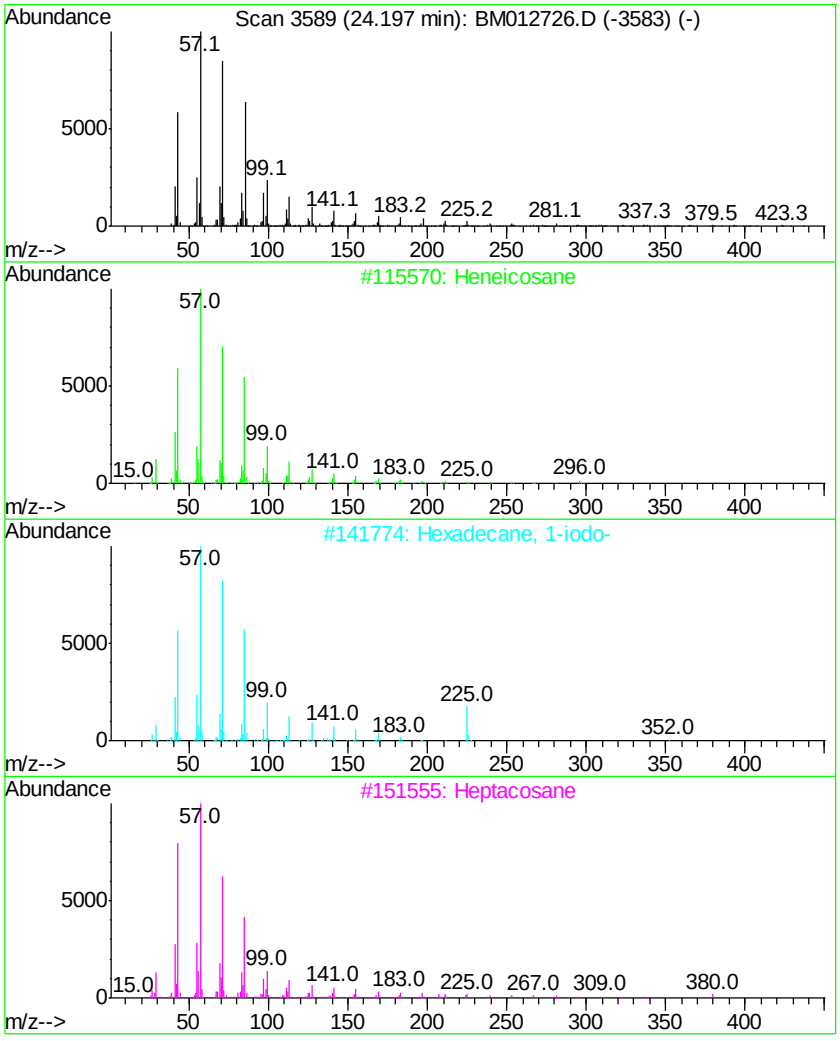
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

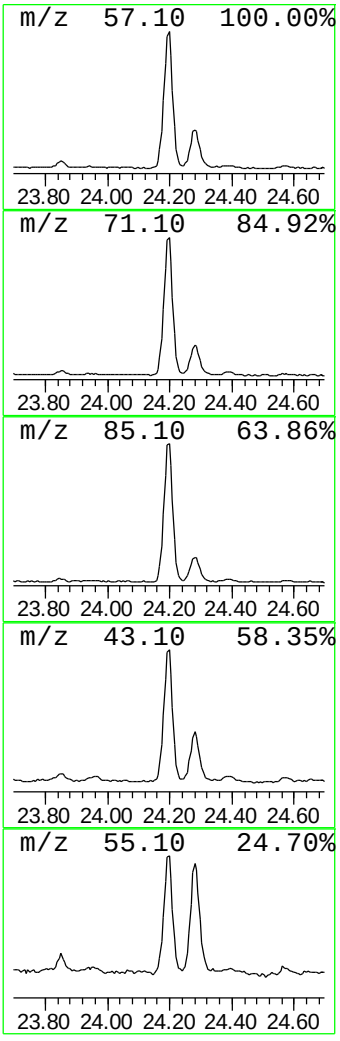
**********

Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.20 | 46.94 ng/ul | 2459590 | Perylene-d12 | 23.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 97 |
| 2 | Hexadecane, 1-iodo- | 352 | C16H33I | 000544-77-4 | 93 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 4 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 91 |
| 5 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 91 |



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM110417\
Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

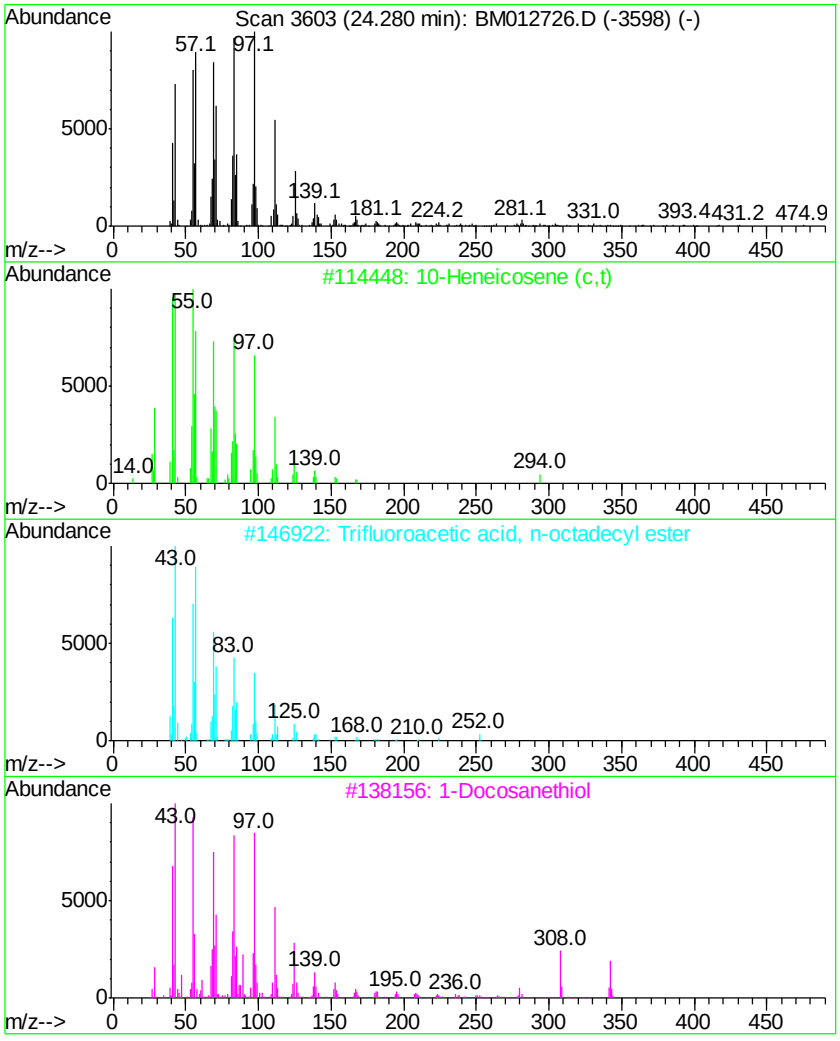
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

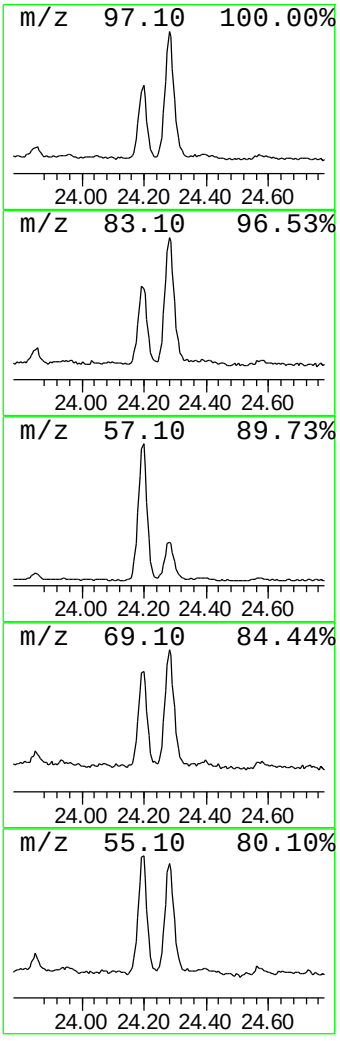
**********

Peak Number 29 (DEL) Alkane: Cyclic24.28 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.28 | 23.61 ng/ul | 1236840 | Perylene-d12 | 23.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 10-Heneicosene (c,t) | 294 | C21H42 | 095008-11-0 | 93 |
| 2 | Trifluoroacetic acid, n-octadecy... | 366 | C20H37F3O2 | 079392-43-1 | 91 |
| 3 | 1-Docosanethiol | 342 | C22H46S | 007773-83-3 | 91 |
| 4 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 87 |
| 5 | Cyclooctacosane | 392 | C28H56 | 000297-24-5 | 83 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM110417\
Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA CALIBRATION

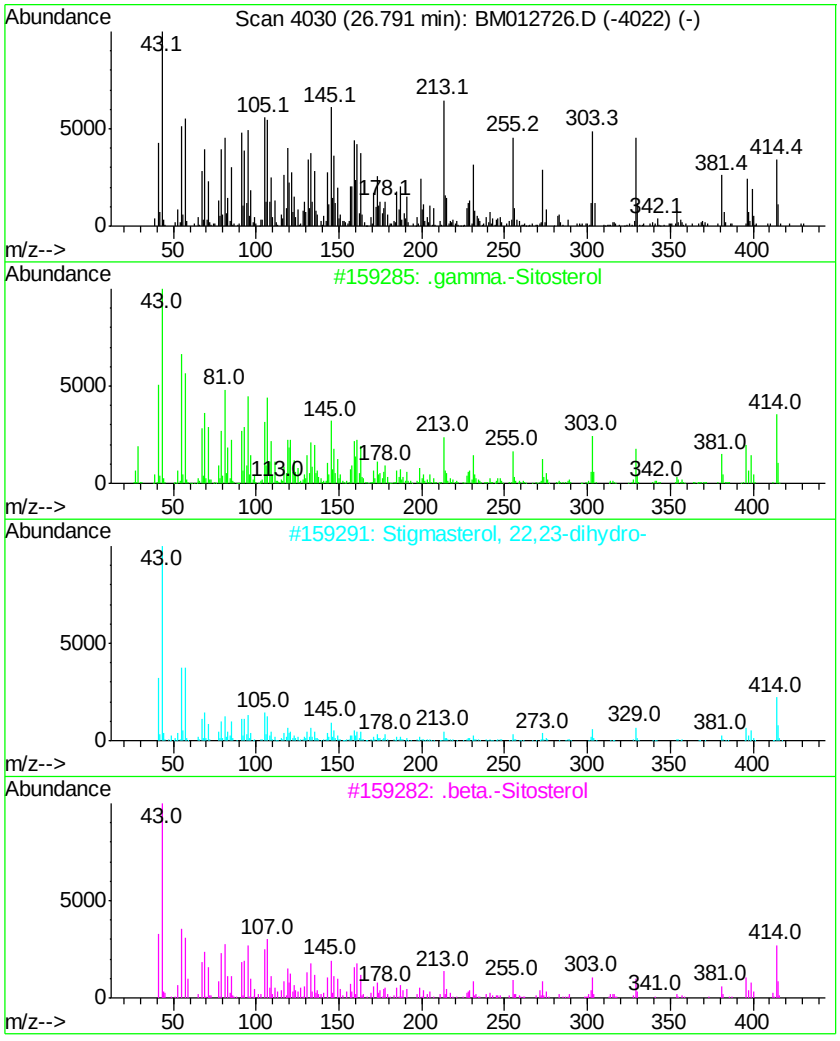
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

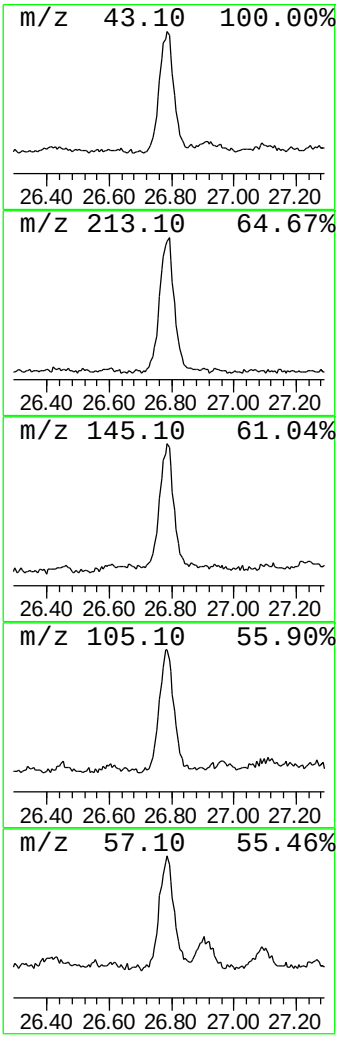
**********

Peak Number 30 .gamma.-Sitosterol Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.79 | 52.63 ng/ul | 2757660 | Perylene-d12 | 23.66 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .gamma.-Sitosterol | 414 | C29H50O | 000083-47-6 | 99 |
| 2 | Stigmasterol, 22,23-dihydro- | 414 | C29H50O | 1000214-20-7 | 97 |
| 3 | .beta.-Sitosterol | 414 | C29H50O | 000083-46-5 | 89 |
| 4 | .beta.-Sitosterol | 414 | C29H50O | 000083-46-5 | 64 |
| 5 | .gamma.-Sitosterol | 414 | C29H50O | 000083-47-6 | 56 |



Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM110417\
Data File : BM012726.D
Acq On : 05 Nov 2017 02:31
Operator : SJ/JU
Sample : I5825-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** B-63(0-1)-101117

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM110417MA.M
Quant Title : SVOA 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 |
| Benzene, 1,3-dime... | 5.47 | 2.6 | ng/ul | 84608 | 1 | 7.81 | 640136 | 20.0 |
| (DEL) Alkane: Str... | 7.43 | 2.8 | ng/ul | 90299 | 1 | 7.81 | 640136 | 20.0 |
| (DEL) Alkane: Str... | 9.03 | 3.4 | ng/ul | 108995 | 1 | 7.81 | 640136 | 20.0 |
| Bicyclo[2.2.1]hep... | 10.02 | 2.4 | ng/ul | 110370 | 2 | 10.60 | 937622 | 20.0 |
| Benzenesulfonamid... | 15.67 | 2.4 | ng/ul | 148123 | 3 | 14.45 | 1236370 | 20.0 |
| Benzophenone | 15.80 | 4.8 | ng/ul | 298174 | 3 | 14.45 | 1236370 | 20.0 |
| Benzenesulfonamid... | 16.03 | 2.4 | ng/ul | 155462 | 4 | 17.19 | 1279570 | 20.0 |
| (DEL) Alkane: Str... | 16.18 | 2.1 | ng/ul | 131623 | 4 | 17.19 | 1279570 | 20.0 |
| Anthracene, 1,2,3... | 16.95 | 2.1 | ng/ul | 133566 | 4 | 17.19 | 1279570 | 20.0 |
| Dibenzothiophene | 17.01 | 2.6 | ng/ul | 169039 | 4 | 17.19 | 1279570 | 20.0 |
| Dibenzo[a,e]cyclo... | 17.71 | 2.0 | ng/ul | 128881 | 4 | 17.19 | 1279570 | 20.0 |
| Hexadecenoic acid... | 18.03 | 7.0 | ng/ul | 449010 | 4 | 17.19 | 1279570 | 20.0 |
| Anthracene, 9-met... | 18.06 | 2.0 | ng/ul | 130919 | 4 | 17.19 | 1279570 | 20.0 |
| n-Hexadecanoic acid | 18.09 | 22.1 | ng/ul | 1416540 | 4 | 17.19 | 1279570 | 20.0 |
| 4H-Cyclopenta[def... | 18.26 | 8.9 | ng/ul | 568955 | 4 | 17.19 | 1279570 | 20.0 |
| Parathion | 18.47 | 2.4 | ng/ul | 156345 | 4 | 17.19 | 1279570 | 20.0 |
| 5,16[1',2']:8,13[... | 18.57 | 2.8 | ng/ul | 181985 | 4 | 17.19 | 1279570 | 20.0 |
| 9,10-Anthracenedione | 18.61 | 2.9 | ng/ul | 183345 | 4 | 17.19 | 1279570 | 20.0 |
| 1,2-Benzenedicarb... | 18.87 | 11.0 | ng/ul | 703230 | 4 | 17.19 | 1279570 | 20.0 |
| Cyclopenta(def)ph... | 19.13 | 2.2 | ng/ul | 143098 | 4 | 17.19 | 1279570 | 20.0 |
| Octadecanoic acid | 19.37 | 3.2 | ng/ul | 687453 | 5 | 21.37 | 4277100 | 20.0 |
| 11H-Benzo[a]fluorene | 20.10 | 3.2 | ng/ul | 684837 | 5 | 21.37 | 4277100 | 20.0 |
| (DEL) Alkane: Cyc... | 21.08 | 3.7 | ng/ul | 785602 | 5 | 21.37 | 4277100 | 20.0 |
| Cyclopenta(cd)pyr... | 21.52 | 3.0 | ng/ul | 645379 | 5 | 21.37 | 4277100 | 20.0 |
| Benz[a]anthracene... | 21.92 | 4.0 | ng/ul | 860871 | 5 | 21.37 | 4277100 | 20.0 |
| (DEL) Alkane: Cyc... | 21.97 | 5.8 | ng/ul | 1237330 | 5 | 21.37 | 4277100 | 20.0 |
| (DEL) Alkane: Str... | 24.20 | 46.9 | ng/ul | 2459590 | 6 | 23.66 | 1047880 | 20.0 |
| (DEL) Alkane: Cyc... | 24.28 | 23.6 | ng/ul | 1236840 | 6 | 23.66 | 1047880 | 20.0 |
| .gamma.-Sitosterol | 26.79 | 52.6 | ng/ul | 2757660 | 6 | 23.66 | 1047880 | 20.0 |