LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.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 | 3.016 | 3 | 5 | 19 | rVB | 2432807 | 2965439 | 9.22% | 1.013% |
| 2 | 4.352 | 228 | 232 | 237 | rBV | 310808 | 410882 | 1.28% | 0.140% |
| 3 | 4.404 | 237 | 241 | 247 | rVB | 310326 | 420547 | 1.31% | 0.144% |
| 4 | 5.828 | 479 | 483 | 498 | rVB3 | 125049 | 221803 | 0.69% | 0.076% |
| 5 | 6.863 | 653 | 659 | 664 | rBV | 232642 | 341575 | 1.06% | 0.117% |
| 6 | 6.934 | 664 | 671 | 682 | rVB | 1118400 | 1828267 | 5.68% | 0.624% |
| 7 | 7.098 | 695 | 699 | 710 | rVB | 841000 | 1327714 | 4.13% | 0.453% |
| 8 | 7.293 | 726 | 732 | 741 | rVB | 1149794 | 1790861 | 5.57% | 0.612% |
| 9 | 7.757 | 804 | 811 | 818 | rBV | 1040339 | 1631871 | 5.07% | 0.557% |
| 10 | 7.887 | 827 | 833 | 839 | rVB | 478295 | 730037 | 2.27% | 0.249% |
| 11 | 8.057 | 857 | 862 | 869 | rVB | 325039 | 505828 | 1.57% | 0.173% |
| 12 | 8.357 | 901 | 913 | 918 | rBV4 | 114823 | 228568 | 0.71% | 0.078% |
| 13 | 8.463 | 925 | 931 | 941 | rVB | 1464944 | 2421374 | 7.53% | 0.827% |
| 14 | 8.922 | 1002 | 1009 | 1017 | rBV | 1166764 | 1956683 | 6.08% | 0.668% |
| 15 | 9.069 | 1029 | 1034 | 1042 | rVV2 | 136861 | 230429 | 0.72% | 0.079% |
| 16 | 9.245 | 1055 | 1064 | 1068 | rVV | 429197 | 682477 | 2.12% | 0.233% |
| 17 | 9.287 | 1068 | 1071 | 1083 | rVB | 174126 | 254876 | 0.79% | 0.087% |
| 18 | 9.634 | 1121 | 1130 | 1140 | rBV | 1017477 | 1734669 | 5.39% | 0.592% |
| 19 | 10.169 | 1214 | 1221 | 1229 | rBV | 1736393 | 2861359 | 8.90% | 0.977% |
| 20 | 10.545 | 1277 | 1285 | 1291 | rBV | 1523376 | 2502446 | 7.78% | 0.855% |
| 21 | 10.692 | 1304 | 1310 | 1323 | rBV | 574409 | 1067559 | 3.32% | 0.365% |
| 22 | 11.222 | 1394 | 1400 | 1407 | rBV | 147250 | 233494 | 0.73% | 0.080% |
| 23 | 11.486 | 1433 | 1445 | 1452 | rBV2 | 133842 | 235612 | 0.73% | 0.080% |
| 24 | 11.775 | 1489 | 1494 | 1501 | rVB2 | 130309 | 208051 | 0.65% | 0.071% |
| 25 | 12.657 | 1638 | 1644 | 1652 | rBV3 | 95118 | 197617 | 0.61% | 0.067% |
| 26 | 12.845 | 1668 | 1676 | 1681 | rVB3 | 125959 | 182640 | 0.57% | 0.062% |
| 27 | 13.816 | 1829 | 1841 | 1845 | rBV | 3166050 | 4447712 | 13.83% | 1.519% |
| 28 | 13.863 | 1845 | 1849 | 1855 | rVB | 1343523 | 1852180 | 5.76% | 0.633% |
| 29 | 14.092 | 1882 | 1888 | 1901 | rVB | 3569098 | 5328628 | 16.57% | 1.820% |
| 30 | 14.398 | 1934 | 1940 | 1947 | rVV2 | 2301405 | 3694764 | 11.49% | 1.262% |
| 31 | 14.463 | 1947 | 1951 | 1958 | rVB | 120200 | 211866 | 0.66% | 0.072% |
| 32 | 14.616 | 1970 | 1977 | 1989 | rBV | 1031221 | 1848672 | 5.75% | 0.631% |
| 33 | 14.804 | 1999 | 2009 | 2018 | rBV3 | 65495 | 220459 | 0.69% | 0.075% |
| 34 | 15.398 | 2104 | 2110 | 2116 | rVV | 4883580 | 6909724 | 21.48% | 2.360% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 15.527 | 2126 | 2132 | 2138 | rBV | 966988 | 1399538 | 4.35% | 0.478% |
| 36 | 15.639 | 2144 | 2151 | 2157 | rBV4 | 148517 | 256413 | 0.80% | 0.088% |
| 37 | 15.963 | 2199 | 2206 | 2213 | rVB | 323667 | 520586 | 1.62% | 0.178% |
| 38 | 16.268 | 2252 | 2258 | 2263 | rBV2 | 148844 | 233977 | 0.73% | 0.080% |
| 39 | 16.474 | 2287 | 2293 | 2301 | rVB3 | 135576 | 247786 | 0.77% | 0.085% |
| 40 | 16.651 | 2319 | 2323 | 2327 | rBV | 155704 | 217458 | 0.68% | 0.074% |
| 41 | 16.904 | 2359 | 2366 | 2371 | rBV5 | 120037 | 285002 | 0.89% | 0.097% |
| 42 | 16.968 | 2373 | 2377 | 2383 | rVB2 | 104618 | 177452 | 0.55% | 0.061% |
| 43 | 17.045 | 2386 | 2390 | 2397 | rBV | 194560 | 302490 | 0.94% | 0.103% |
| 44 | 17.151 | 2403 | 2408 | 2412 | rVV2 | 2993667 | 4226015 | 13.14% | 1.443% |
| 45 | 17.192 | 2412 | 2415 | 2419 | rVV | 1759265 | 2253563 | 7.01% | 0.770% |
| 46 | 17.251 | 2419 | 2425 | 2434 | rVB | 4729768 | 6974509 | 21.69% | 2.382% |
| 47 | 17.527 | 2468 | 2472 | 2475 | rVV | 189499 | 264917 | 0.82% | 0.090% |
| 48 | 17.668 | 2492 | 2496 | 2502 | rVB2 | 111562 | 174741 | 0.54% | 0.060% |
| 49 | 17.927 | 2534 | 2540 | 2545 | rBV | 430068 | 691988 | 2.15% | 0.236% |
| 50 | 17.986 | 2545 | 2550 | 2555 | rBV | 2094699 | 3055793 | 9.50% | 1.044% |
| 51 | 18.051 | 2556 | 2561 | 2569 | rVB2 | 4316746 | 6307726 | 19.61% | 2.154% |
| 52 | 18.221 | 2585 | 2590 | 2593 | rBV3 | 311231 | 502000 | 1.56% | 0.171% |
| 53 | 18.345 | 2605 | 2611 | 2616 | rBV3 | 1103420 | 1650582 | 5.13% | 0.564% |
| 54 | 18.527 | 2638 | 2642 | 2646 | rVV | 215910 | 273826 | 0.85% | 0.094% |
| 55 | 18.574 | 2646 | 2650 | 2654 | rBV | 259035 | 360126 | 1.12% | 0.123% |
| 56 | 19.004 | 2720 | 2723 | 2727 | rVB4 | 150917 | 183936 | 0.57% | 0.063% |
| 57 | 19.056 | 2727 | 2732 | 2744 | rVB2 | 1191956 | 1837299 | 5.71% | 0.628% |
| 58 | 19.180 | 2749 | 2753 | 2754 | rBV | 673184 | 776410 | 2.41% | 0.265% |
| 59 | 19.209 | 2754 | 2758 | 2764 | rVB | 4712844 | 6617596 | 20.58% | 2.260% |
| 60 | 19.321 | 2773 | 2777 | 2788 | rVB | 1164301 | 1523051 | 4.74% | 0.520% |
| 61 | 19.545 | 2809 | 2815 | 2818 | rBV | 5399700 | 7921906 | 24.63% | 2.706% |
| 62 | 19.574 | 2818 | 2820 | 2825 | rVB | 3118763 | 3431830 | 10.67% | 1.172% |
| 63 | 19.751 | 2847 | 2850 | 2856 | rVB | 166948 | 282130 | 0.88% | 0.096% |
| 64 | 19.898 | 2870 | 2875 | 2881 | rBV4 | 179079 | 420487 | 1.31% | 0.144% |
| 65 | 20.074 | 2894 | 2905 | 2909 | rBV3 | 594665 | 1590591 | 4.95% | 0.543% |
| 66 | 20.168 | 2918 | 2921 | 2924 | rBV2 | 248791 | 288450 | 0.90% | 0.099% |
| 67 | 20.221 | 2926 | 2930 | 2934 | rBV2 | 228380 | 418449 | 1.30% | 0.143% |
| 68 | 20.415 | 2958 | 2963 | 2970 | rVB4 | 364848 | 544415 | 1.69% | 0.186% |
| 69 | 20.515 | 2977 | 2980 | 2982 | rBV3 | 162248 | 195765 | 0.61% | 0.067% |
| 70 | 20.815 | 3028 | 3031 | 3036 | rBV | 281158 | 357542 | 1.11% | 0.122% |
| 71 | 20.898 | 3041 | 3045 | 3050 | rVV4 | 344398 | 634297 | 1.97% | 0.217% |

LSC Area Percent Report

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Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 21.039 | 3063 | 3069 | 3077 | rVB4 | 2123239 | 3133508 | 9.74% | 1.070% |
| 73 | 21.115 | 3079 | 3082 | 3087 | rVB | 364378 | 471792 | 1.47% | 0.161% |
| 74 | 21.333 | 3112 | 3119 | 3123 | rBV2 | 3382563 | 6499962 | 20.21% | 2.220% |
| 75 | 21.368 | 3123 | 3125 | 3133 | rVB | 1748685 | 2186272 | 6.80% | 0.747% |
| 76 | 21.474 | 3140 | 3143 | 3152 | rVB3 | 714796 | 1023273 | 3.18% | 0.349% |
| 77 | 21.656 | 3171 | 3174 | 3184 | rVB4 | 523202 | 1087099 | 3.38% | 0.371% |
| 78 | 21.915 | 3214 | 3218 | 3220 | rBV | 1514652 | 1865248 | 5.80% | 0.637% |
| 79 | 22.121 | 3250 | 3253 | 3257 | rVB3 | 455468 | 525057 | 1.63% | 0.179% |
| 80 | 22.380 | 3293 | 3297 | 3301 | rBV | 1666944 | 2110685 | 6.56% | 0.721% |
| 81 | 22.509 | 3316 | 3319 | 3324 | rVB | 524781 | 657173 | 2.04% | 0.224% |
| 82 | 22.621 | 3332 | 3338 | 3349 | rBV | 13281655 | 18325921 | 56.98% | 6.259% |
| 83 | 22.903 | 3380 | 3386 | 3389 | rBV | 3784995 | 7172715 | 22.30% | 2.450% |
| 84 | 22.956 | 3389 | 3395 | 3405 | rVB2 | 17944792 | 32161254 | 100.00% | 10.984% |
| 85 | 23.168 | 3428 | 3431 | 3436 | rVB2 | 391891 | 522545 | 1.62% | 0.178% |
| 86 | 23.409 | 3468 | 3472 | 3476 | rBV | 724185 | 1324072 | 4.12% | 0.452% |
| 87 | 23.462 | 3476 | 3481 | 3486 | rVV | 4400973 | 8468098 | 26.33% | 2.892% |
| 88 | 23.509 | 3486 | 3489 | 3500 | rVV | 1822359 | 5140326 | 15.98% | 1.756% |
| 89 | 23.609 | 3501 | 3506 | 3511 | rVB | 1697985 | 3161925 | 9.83% | 1.080% |
| 90 | 23.791 | 3531 | 3537 | 3545 | rVB | 5468782 | 9398903 | 29.22% | 3.210% |
| 91 | 24.127 | 3586 | 3594 | 3602 | rVV | 6385999 | 12340915 | 38.37% | 4.215% |
| 92 | 24.215 | 3603 | 3609 | 3620 | rVB | 3679016 | 7620591 | 23.69% | 2.603% |
| 93 | 24.880 | 3716 | 3722 | 3732 | rVB2 | 2140719 | 4994568 | 15.53% | 1.706% |
| 94 | 25.338 | 3793 | 3800 | 3810 | rVB | 3121698 | 7242008 | 22.52% | 2.473% |
| 95 | 25.762 | 3864 | 3872 | 3878 | rBV | 3856996 | 10290705 | 32.00% | 3.515% |
| 96 | 25.921 | 3891 | 3899 | 3911 | rVB3 | 2062034 | 6247400 | 19.43% | 2.134% |
| 97 | 26.050 | 3914 | 3921 | 3934 | rVB3 | 1931122 | 5574278 | 17.33% | 1.904% |
| 98 | 26.685 | 4021 | 4029 | 4041 | rVB2 | 3957487 | 12298116 | 38.24% | 4.200% |
| 99 | 27.468 | 4154 | 4162 | 4182 | rVB2 | 1691869 | 5683629 | 17.67% | 1.941% |
| 100 | 28.279 | 4292 | 4300 | 4318 | rVB4 | 1718779 | 6174487 | 19.20% | 2.109% |

Sum of corrected areas: 292789850

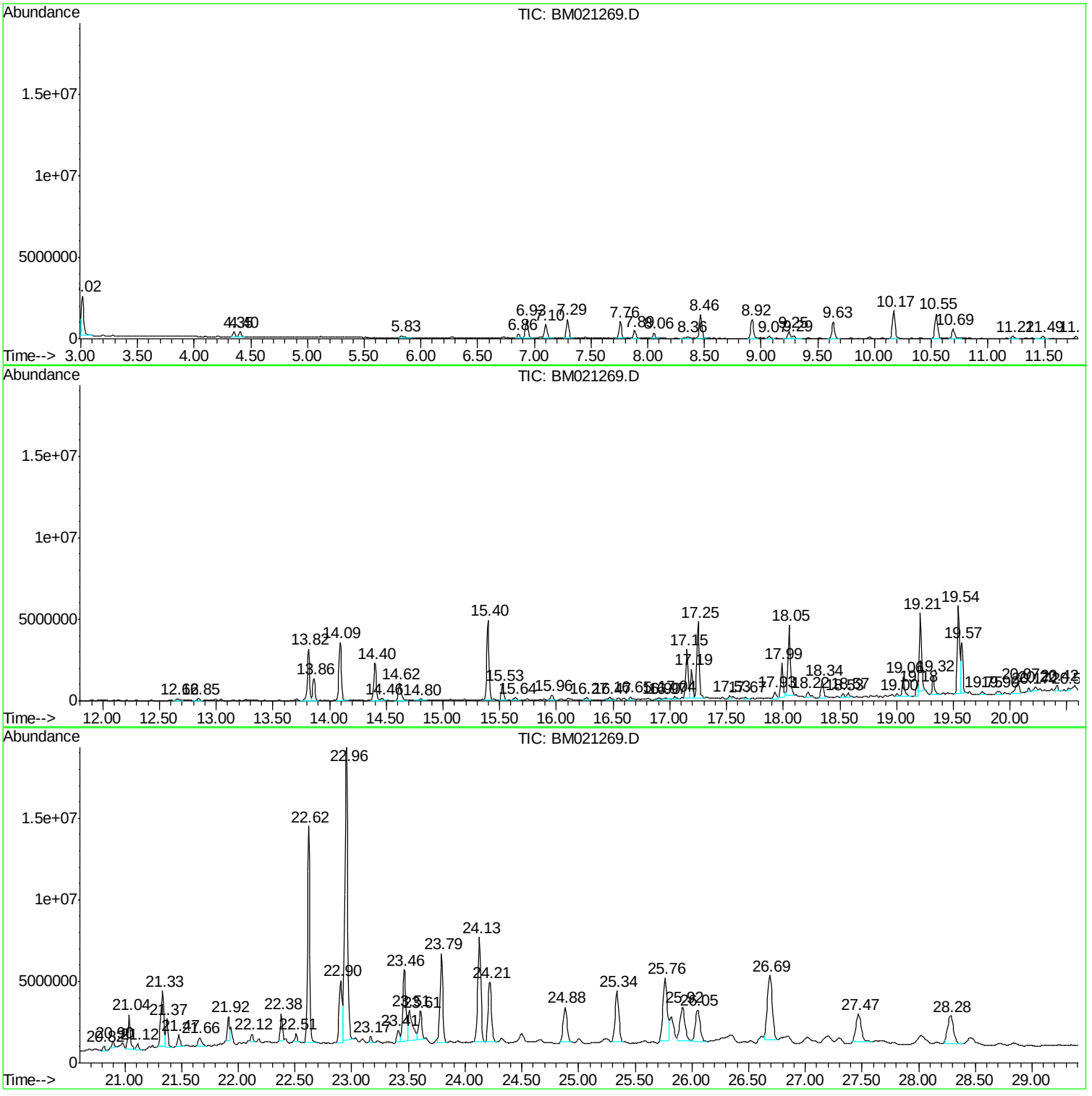
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

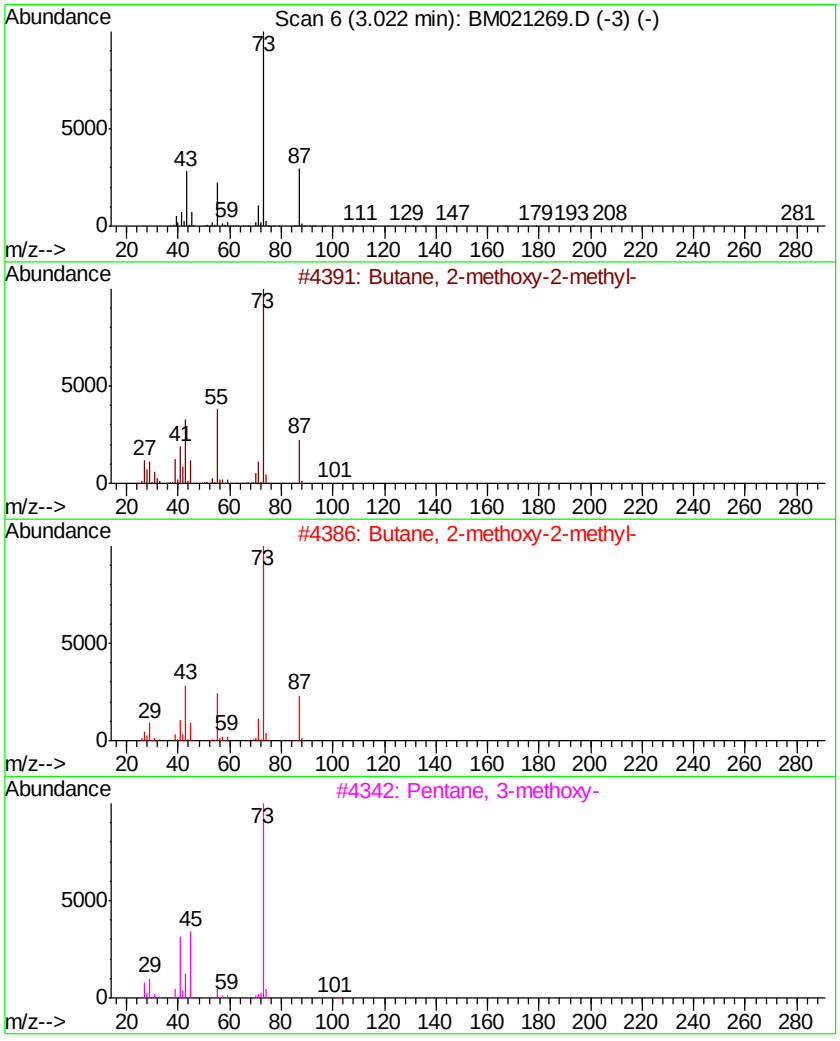
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

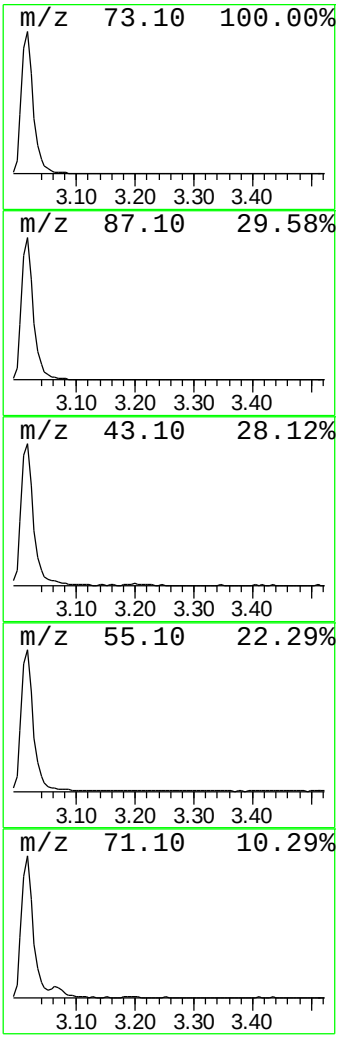
**********

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 3.02 | 36.34 ng/ul | 2965440 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 83 |
| 2 | Butane, 2-methoxy-2-methyl- | 102 | C6H14O | 000994-05-8 | 78 |
| 3 | Pentane, 3-methoxy- | 102 | C6H14O | 036839-67-5 | 23 |
| 4 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 17 |
| 5 | Acetamide, N-ethyl- | 87 | C4H9NO | 000625-50-3 | 9 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

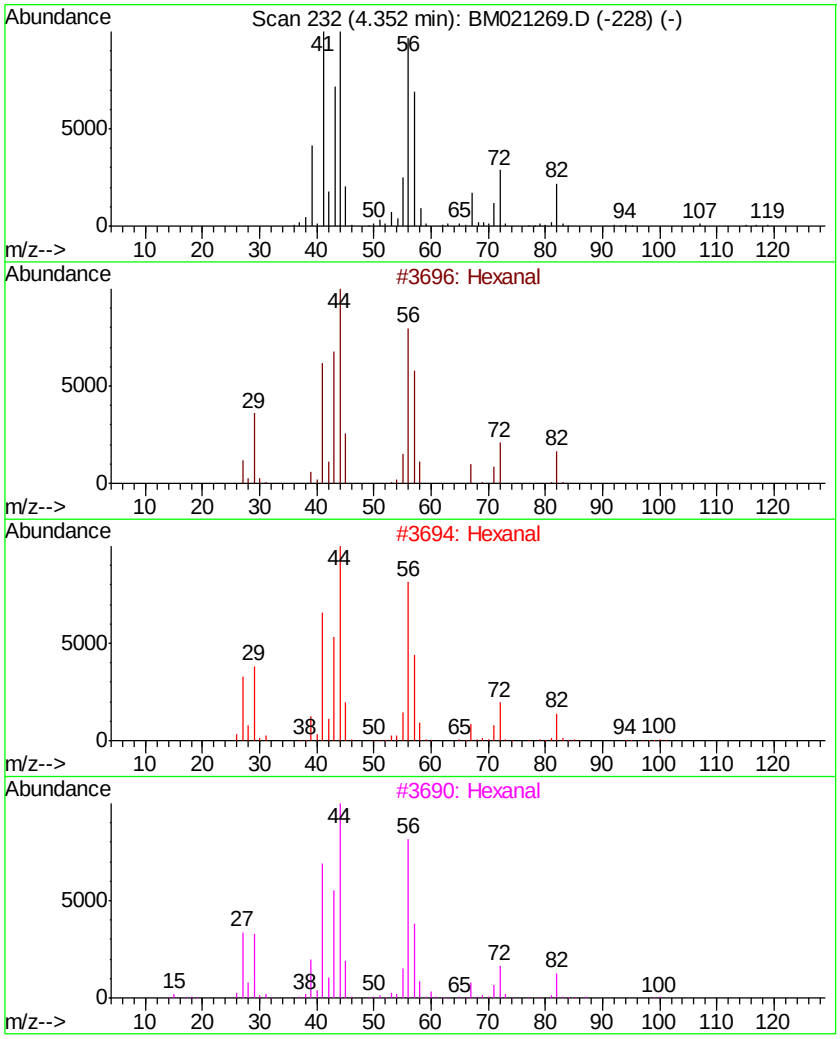
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

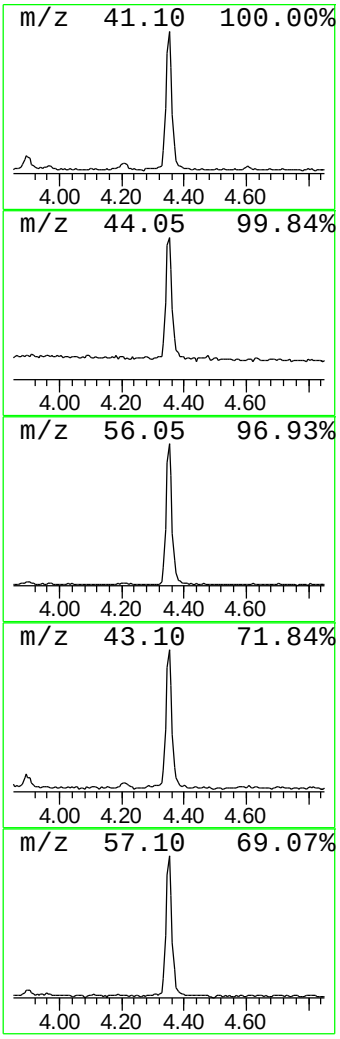
**********

Peak Number 2 Hexanal Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.35 | 5.04 ng/ul | 410882 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexanal | 100 | C6H12O | 000066-25-1 | 72 |
| 2 | Hexanal | 100 | C6H12O | 000066-25-1 | 64 |
| 3 | Hexanal | 100 | C6H12O | 000066-25-1 | 59 |
| 4 | Hexanal | 100 | C6H12O | 000066-25-1 | 59 |
| 5 | 2,2-Dimethyl-3-hydroxypropionald... | 102 | C5H10O2 | 000597-31-9 | 37 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

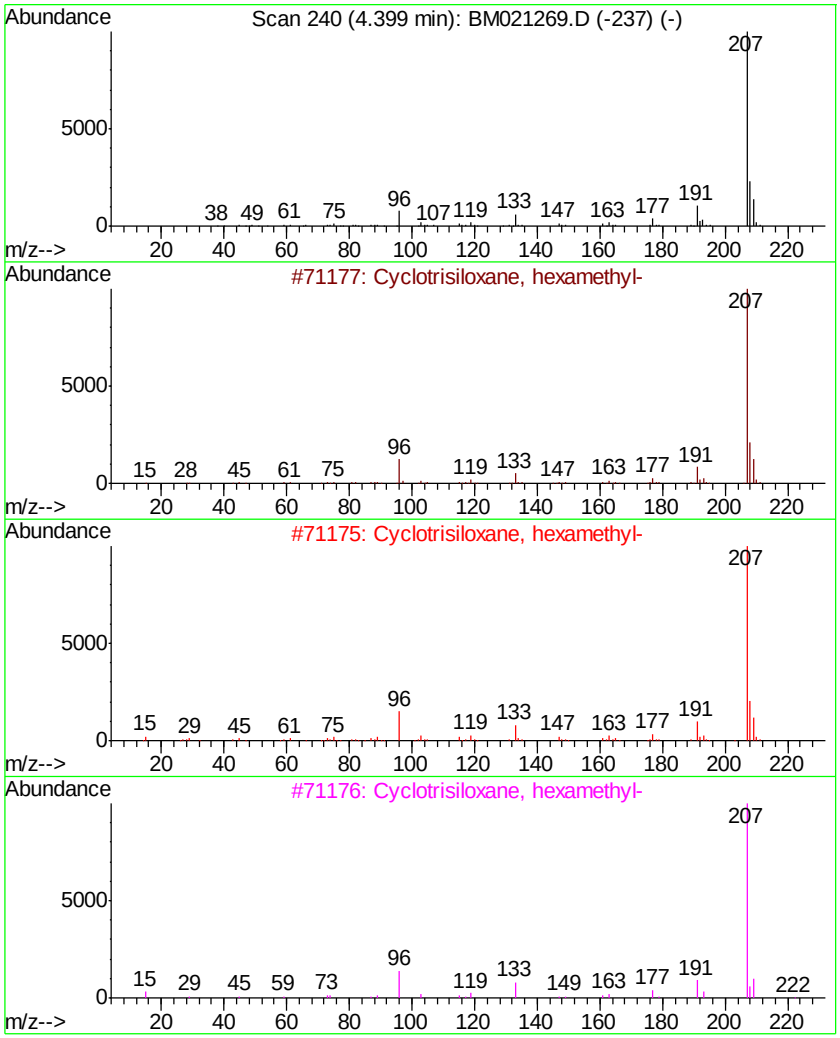
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

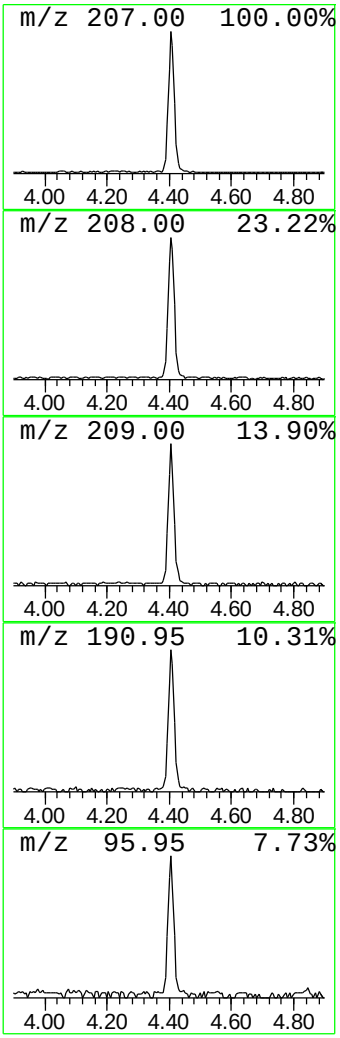
**********

Peak Number 3 Cyclotrisiloxane, hexamethyl- Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.40 | 5.15 ng/ul | 420547 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotrisiloxane, hexamethyl- | 222 | C6H18O3Si3 | 000541-05-9 | 91 |
| 2 | Cyclotrisiloxane, hexamethyl- | 222 | C6H18O3Si3 | 000541-05-9 | 78 |
| 3 | Cyclotrisiloxane, hexamethyl- | 222 | C6H18O3Si3 | 000541-05-9 | 50 |
| 4 | 5-Methyl-2-phenylindolizine | 207 | C15H13N | 036944-99-7 | 39 |
| 5 | Benzo[h]quinoline, 2,4-dimethyl- | 207 | C15H13N | 000605-67-4 | 39 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

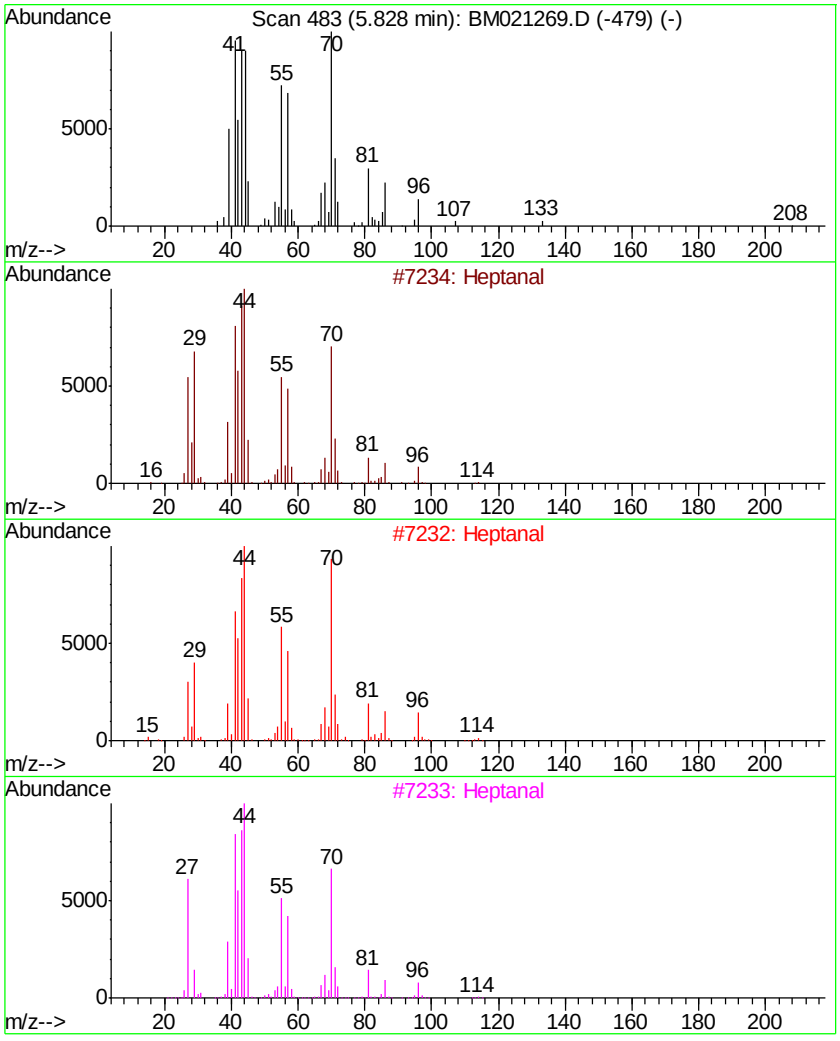
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

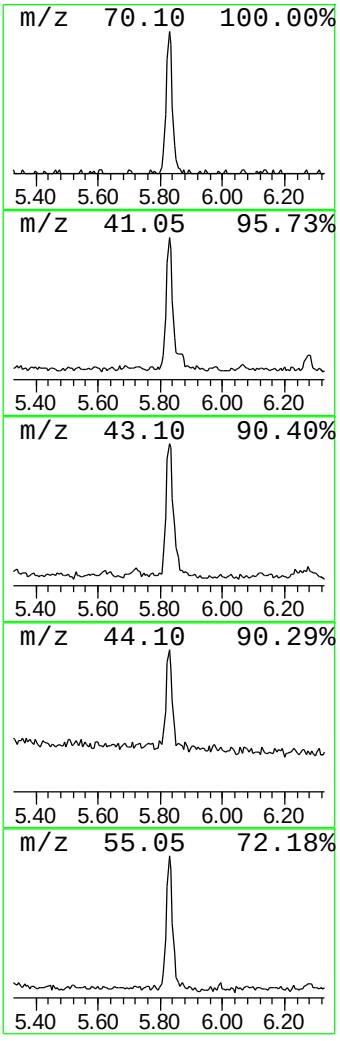
**********

Peak Number 4 Heptanal Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.83 | 2.72 ng/ul | 221803 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptanal | 114 | C7H14O | 000111-71-7 | 80 |
| 2 | Heptanal | 114 | C7H14O | 000111-71-7 | 80 |
| 3 | Heptanal | 114 | C7H14O | 000111-71-7 | 72 |
| 4 | Heptanal | 114 | C7H14O | 000111-71-7 | 53 |
| 5 | 2-Butene, 2-methyl- | 70 | C5H10 | 000513-35-9 | 35 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

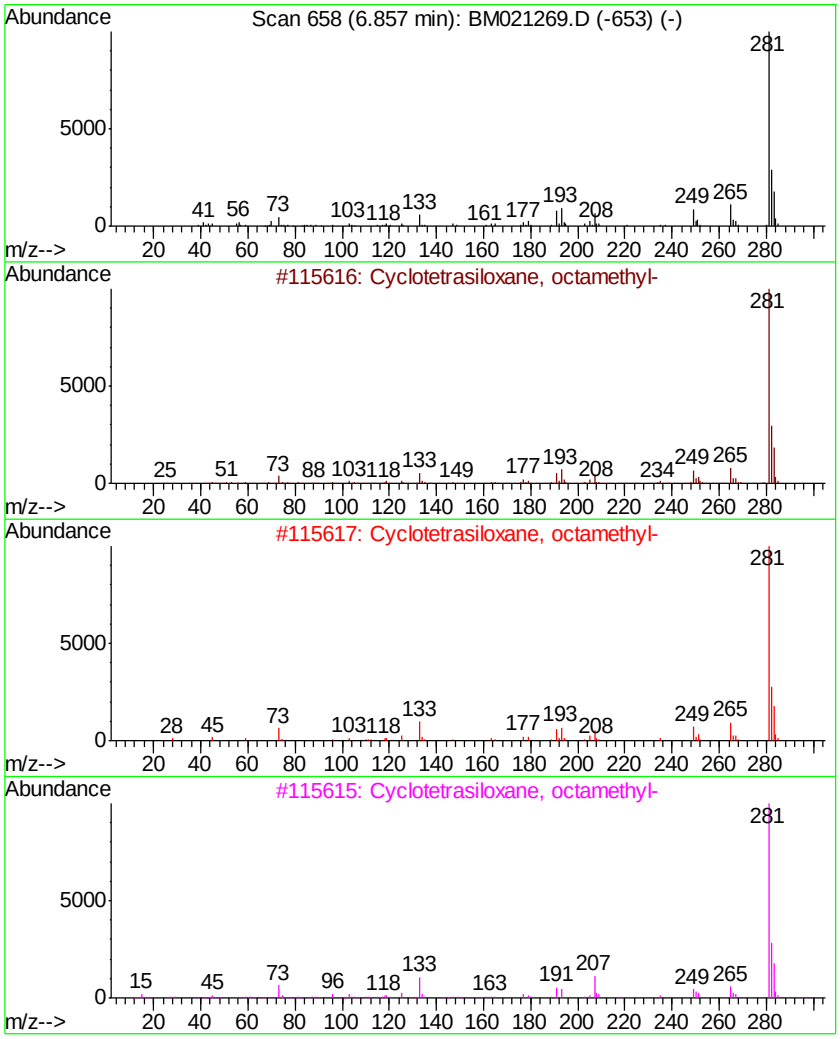
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

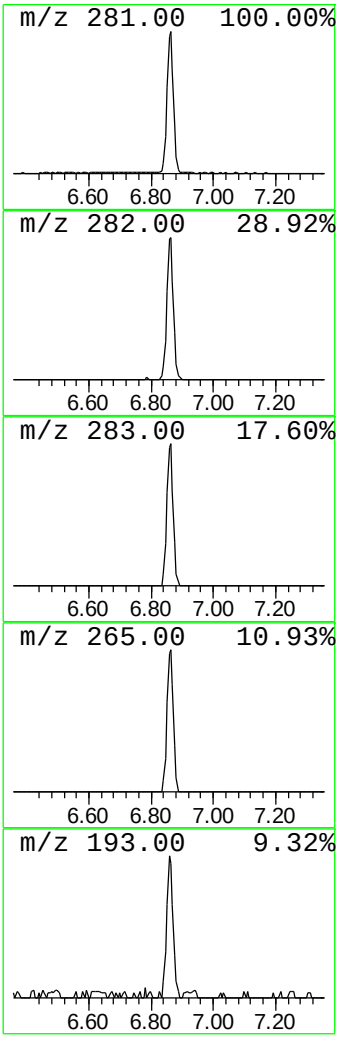
**********

Peak Number 5 Cyclotetrasiloxane, octamet... Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.86 | 4.19 ng/ul | 341575 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclotetrasiloxane, octamethyl- | 296 | C8H24O4Si4 | 000556-67-2 | 91 |
| 2 | Cyclotetrasiloxane, octamethyl- | 296 | C8H24O4Si4 | 000556-67-2 | 91 |
| 3 | Cyclotetrasiloxane, octamethyl- | 296 | C8H24O4Si4 | 000556-67-2 | 83 |
| 4 | Benzene, 1-phenyl-4-(2-cyano-2-p... | 281 | C21H15N | 027869-56-3 | 64 |
| 5 | Benzoic acid, 3-methyl-2-trimeth... | 296 | C14H24O3Si2 | 1000153-57-1 | 59 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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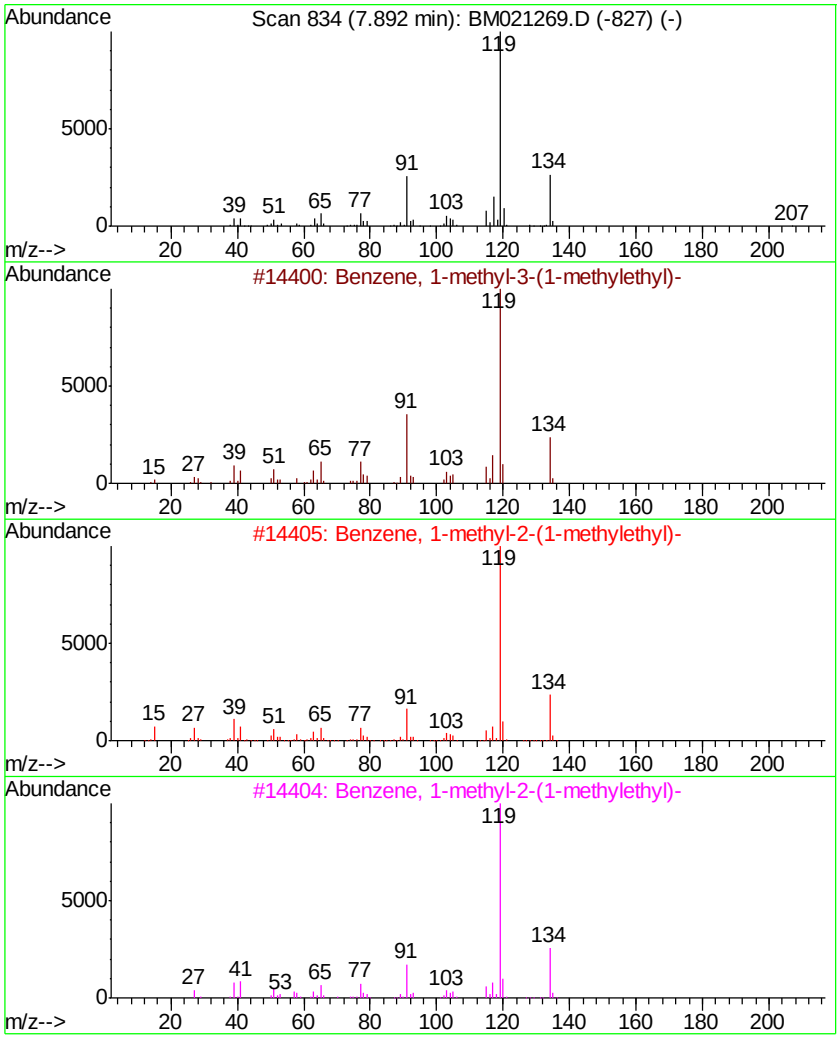
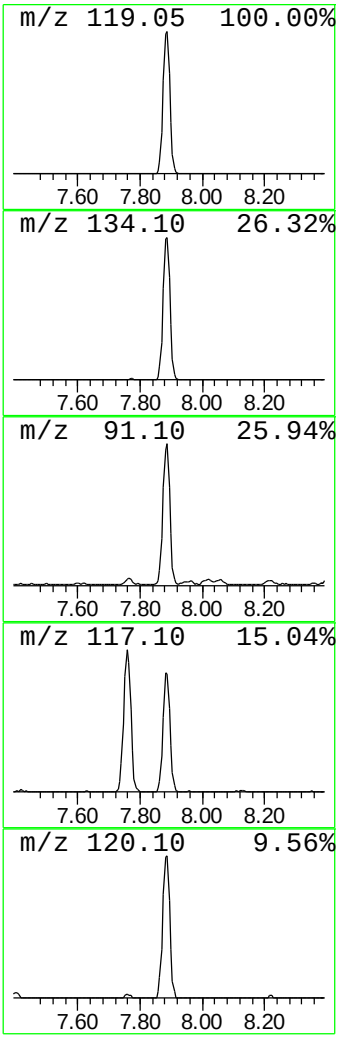
Peak Number 6 Benzene, 1-methyl-3-(1-meth... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.89 | 8.95 ng/ul | 730037 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-3-(1-methyleth... | 134 | C10H14 | 000535-77-3 | 95 |
| 2 | Benzene, 1-methyl-2-(1-methyleth... | 134 | C10H14 | 000527-84-4 | 94 |
| 3 | Benzene, 1-methyl-2-(1-methyleth... | 134 | C10H14 | 000527-84-4 | 94 |
| 4 | Benzene, 1-methyl-4-(1-methyleth... | 134 | C10H14 | 000099-87-6 | 94 |
| 5 | Benzene, 1-methyl-2-(1-methyleth... | 134 | C10H14 | 000527-84-4 | 94 |



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Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

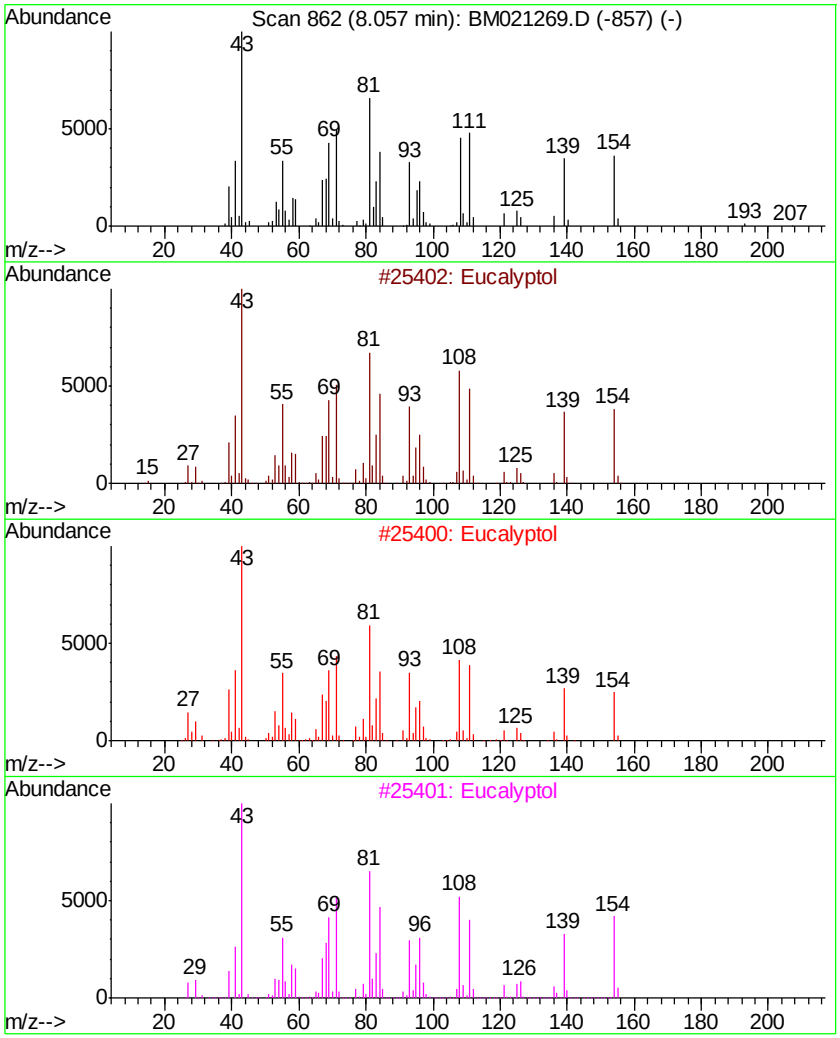
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

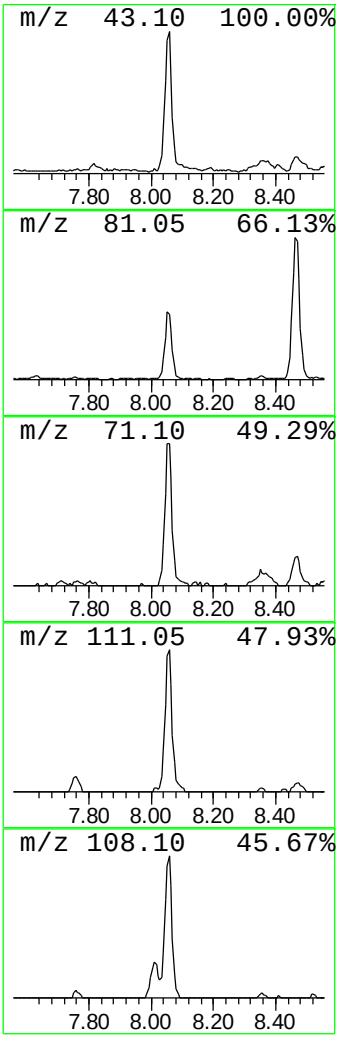
**********

Peak Number 7 Eucalyptol Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.06 | 6.20 ng/ul | 505828 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eucalyptol | 154 | C10H18O | 000470-82-6 | 99 |
| 2 | Eucalyptol | 154 | C10H18O | 000470-82-6 | 98 |
| 3 | Eucalyptol | 154 | C10H18O | 000470-82-6 | 97 |
| 4 | Eucalyptol | 154 | C10H18O | 000470-82-6 | 93 |
| 5 | Trifluoroacetyl-.alpha.-terpineol | 250 | C12H17F3O2 | 1000058-17-6 | 58 |



# Library Search Compound Report

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Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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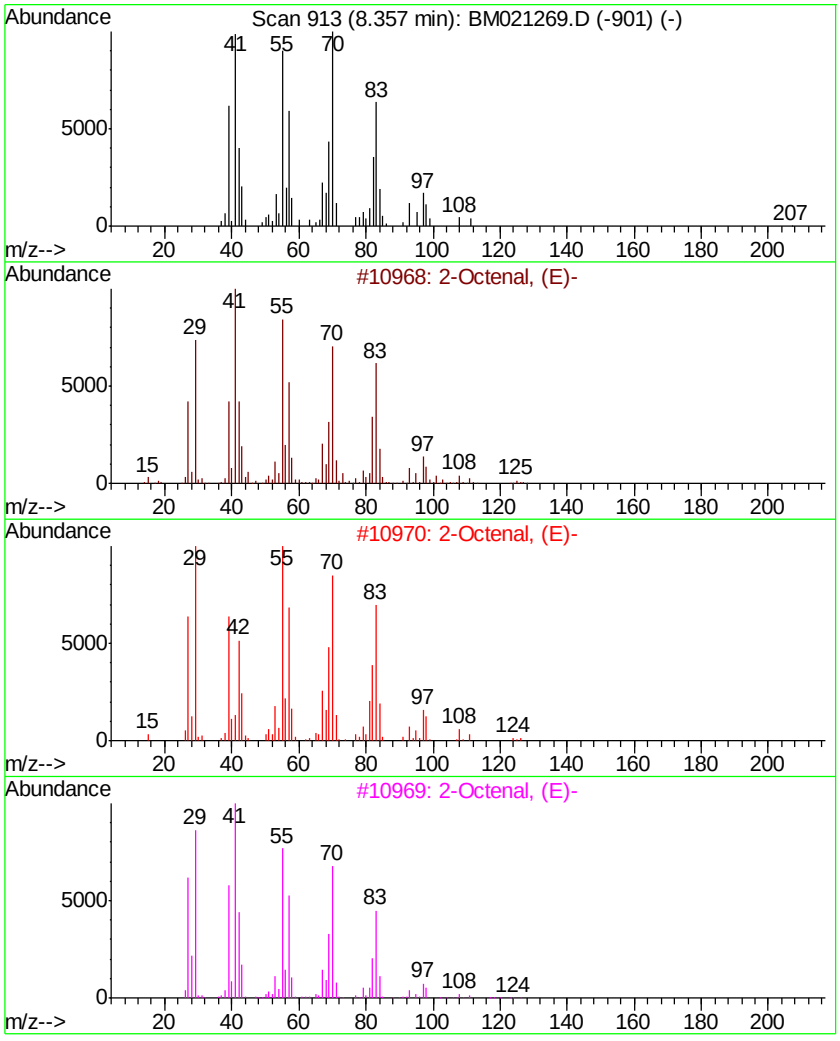
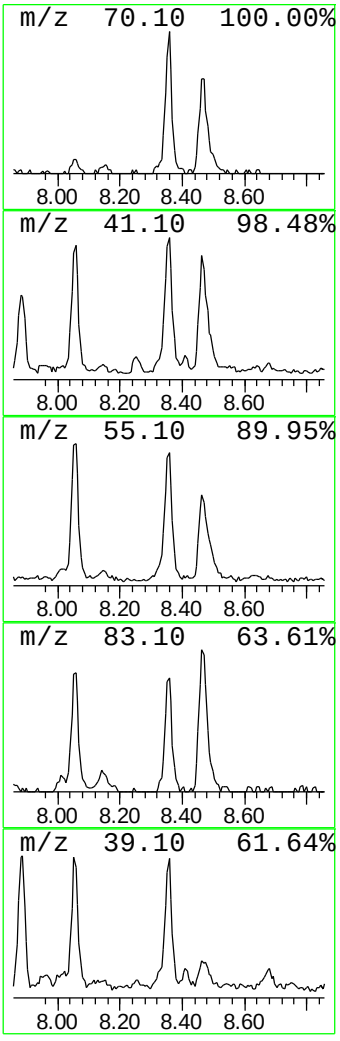
Peak Number 8 2-Octenal, (E)- Concentration Rank 35

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.36 | 2.80 ng/ul | 228568 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Octenal, (E)- | 126 | C8H14O | 002548-87-0 | 90 |
| 2 | 2-Octenal, (E)- | 126 | C8H14O | 002548-87-0 | 80 |
| 3 | 2-Octenal, (E)- | 126 | C8H14O | 002548-87-0 | 78 |
| 4 | 2-Methylene cyclopentanol | 98 | C6H10O | 020461-31-8 | 59 |
| 5 | 2-Methyl-1-butene | 70 | C5H10 | 000563-46-2 | 38 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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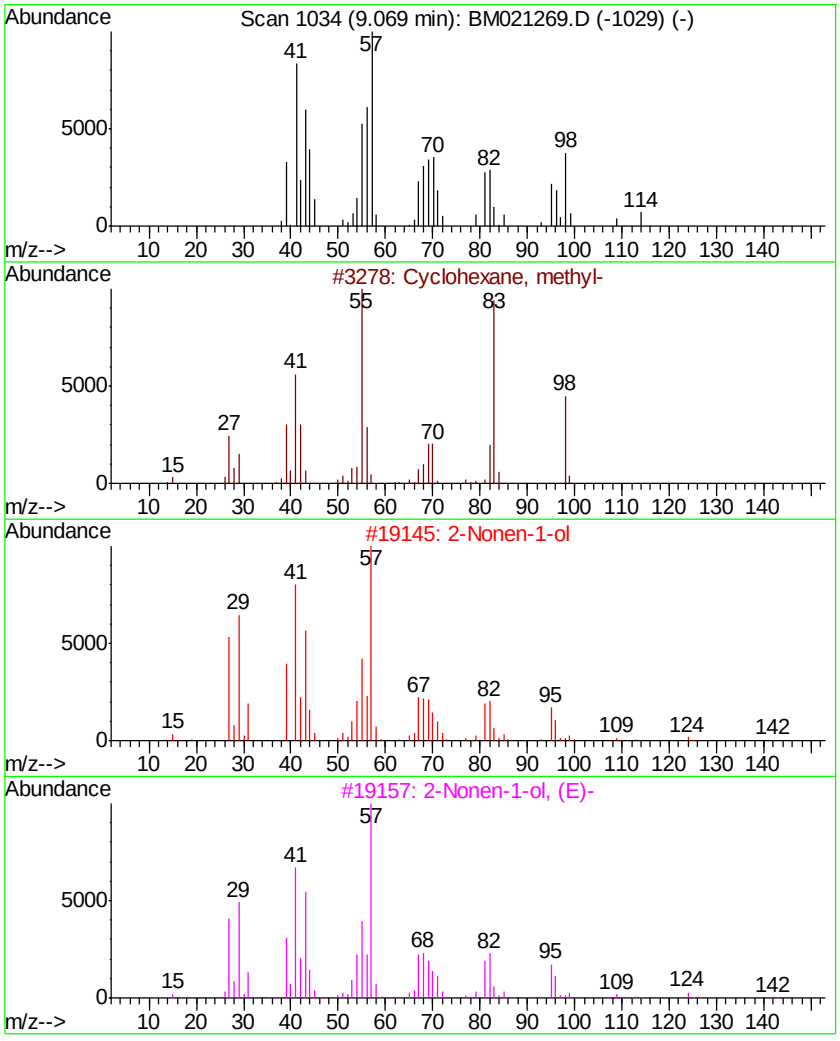
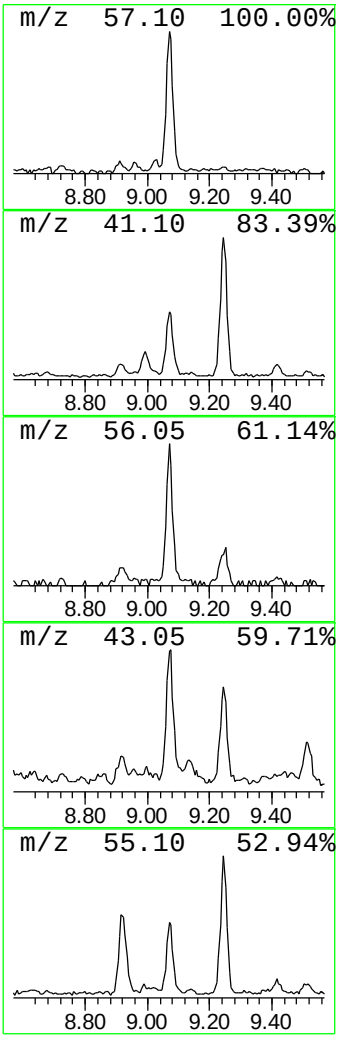
Peak Number 9 (DEL) Alkane: Cyclic9.07 Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.07 | 2.82 ng/ul | 230429 | 1,4-Dichlorobenzene-d4 | 7.76 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, methyl- | 98 | C7H14 | 000108-87-2 | 46 |
| 2 | 2-Nonen-1-ol | 142 | C9H18O | 022104-79-6 | 35 |
| 3 | 2-Nonen-1-ol, (E)- | 142 | C9H18O | 031502-14-4 | 35 |
| 4 | Cyclohexanol | 100 | C6H12O | 000108-93-0 | 27 |
| 5 | Cyclohexanol, 4-methyl- | 114 | C7H14O | 000589-91-3 | 27 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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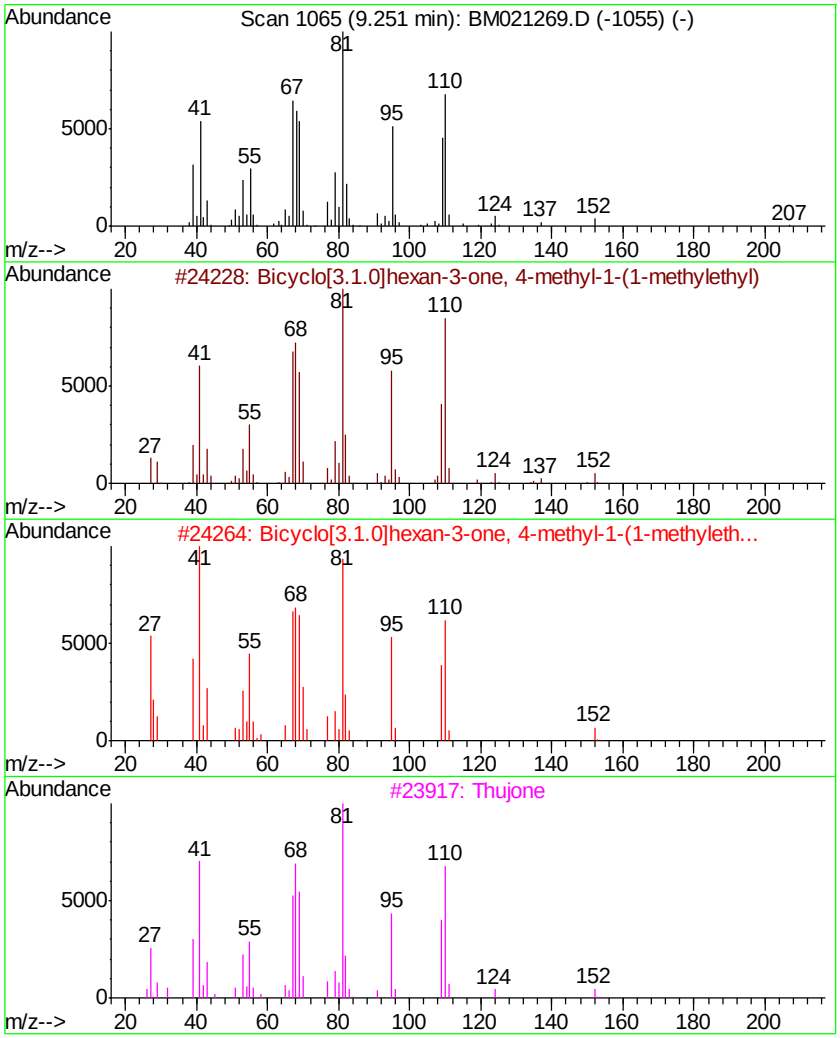
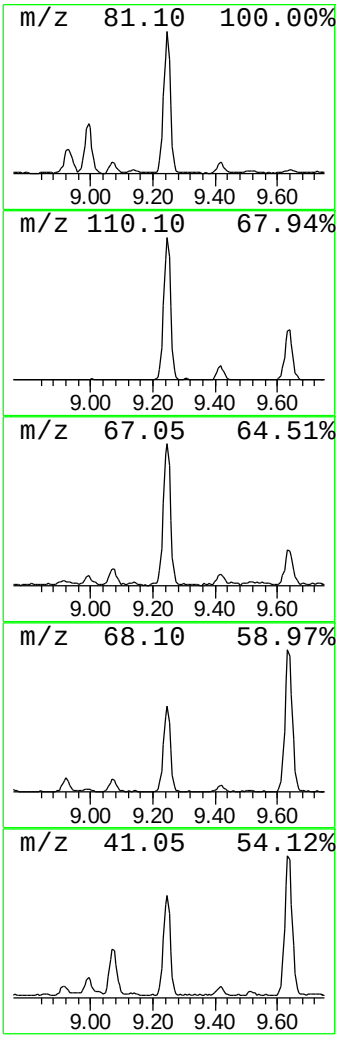
Peak Number 10 Bicyclo[3.1.0]hexan-3-one, ... Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.25 | 5.45 ng/ul | 682477 | Naphthalene-d8 | 10.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[3.1.0]hexan-3-one, 4-met... | 152 | C10H16O | 001125-12-8 | 91 |
| 2 | Bicyclo[3.1.0]hexan-3-one, 4-met... | 152 | C10H16O | 000471-15-8 | 87 |
| 3 | Thujone | 152 | C10H16O | 000546-80-5 | 87 |
| 4 | Bicyclo[3.1.0]hexan-3-one, 4-met... | 152 | C10H16O | 001125-12-8 | 83 |
| 5 | 3,5-Octadiene, (Z,Z)- | 110 | C8H14 | 007348-80-3 | 74 |



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Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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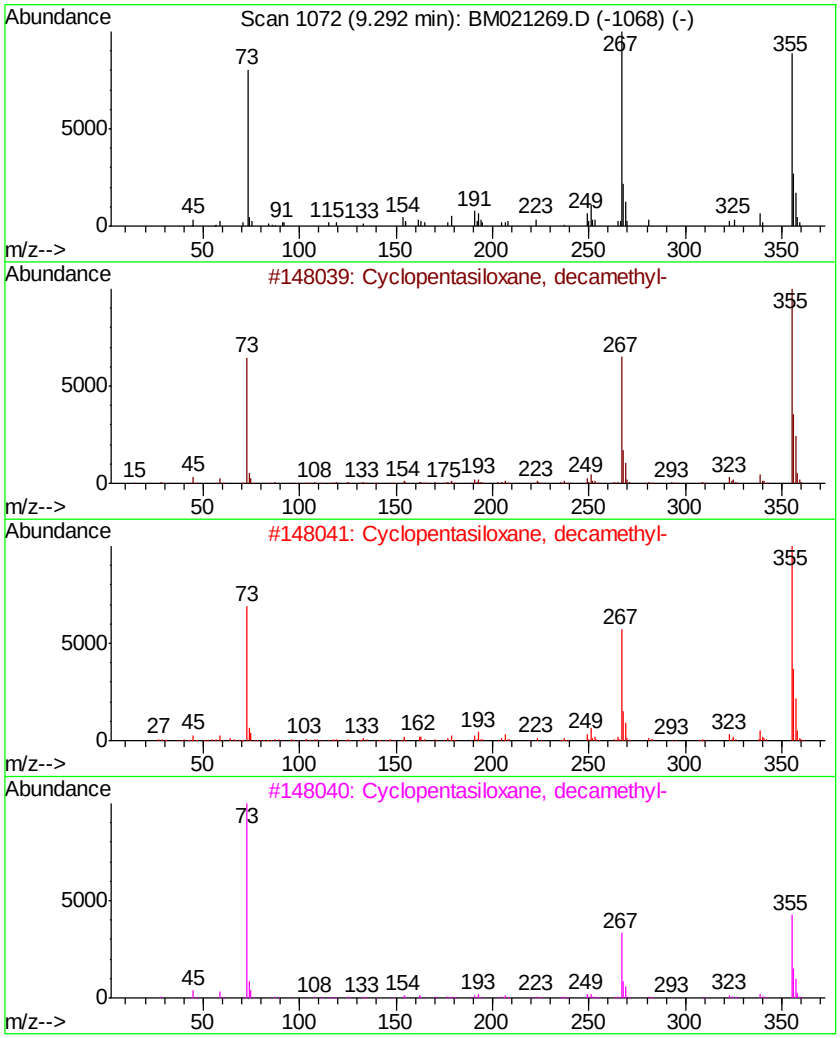
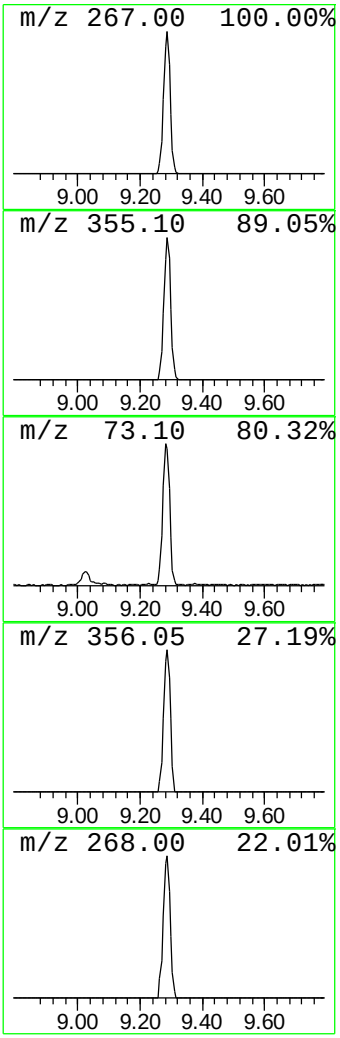
Peak Number 11 Cyclopentasiloxane, decamet... Concentration Rank 39

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.29 | 2.04 ng/ul | 254876 | Naphthalene-d8 | 10.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 91 |
| 2 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 91 |
| 3 | Cyclopentasiloxane, decamethyl- | 370 | C10H30O5Si5 | 000541-02-6 | 91 |
| 4 | N-(Trifluoracetyl)-O,O',O''-tris... | 495 | C20H36F3NO4Si3 | 054135-51-2 | 38 |
| 5 | Terbutaline, N-trifluoroacetyl-o... | 537 | C23H42F3NO4Si3 | 325836-92-8 | 38 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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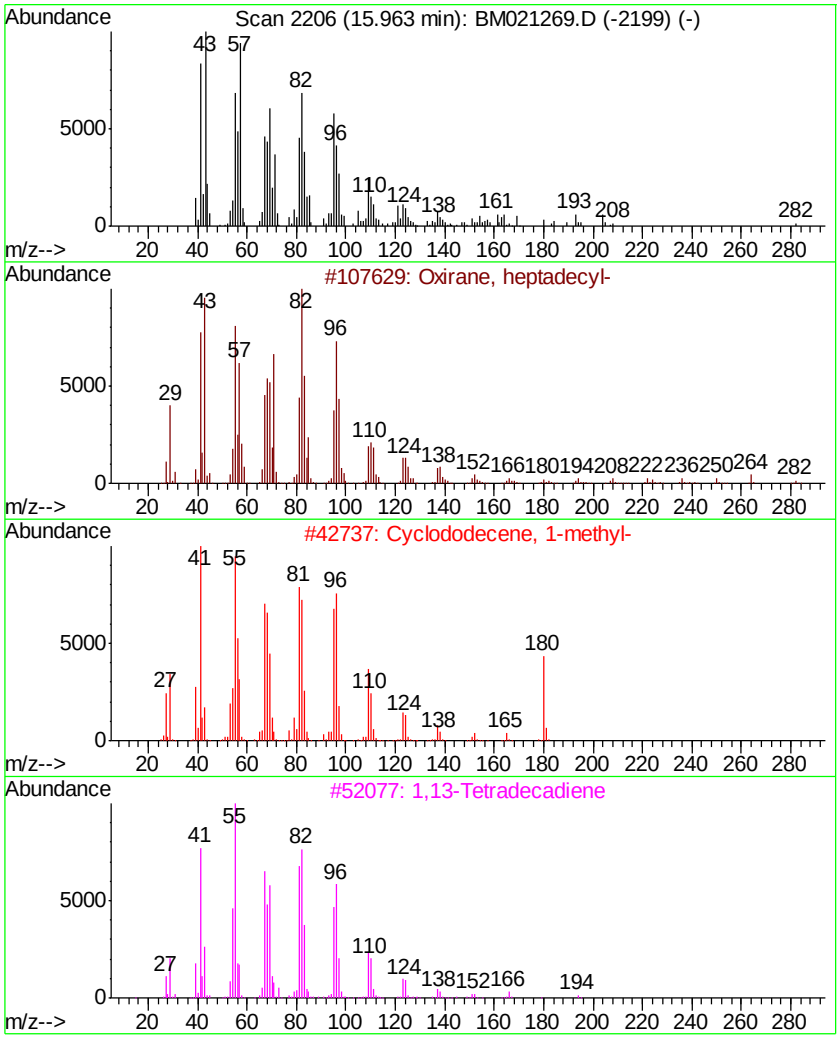
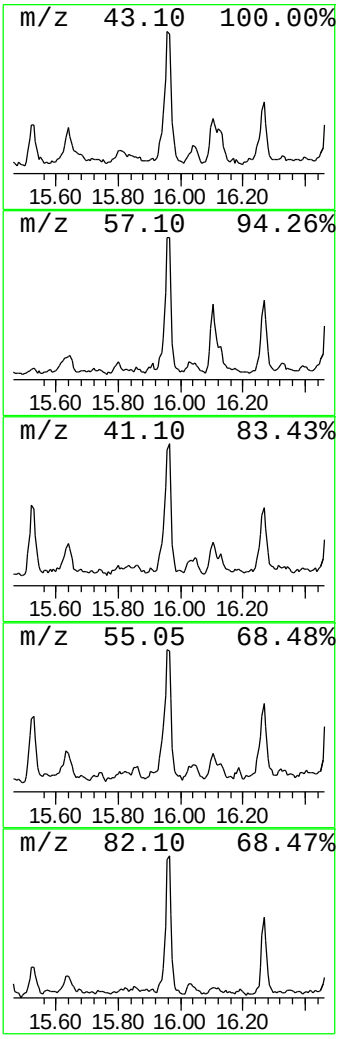
Peak Number 12 Oxirane, heptadecyl- Concentration Rank 37

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.96 | 2.46 ng/ul | 520586 | Phenanthrene-d10 | 17.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2 | 89 |
| 2 | Cyclododecene, 1-methyl- | 180 | C13H24 | 023070-53-3 | 89 |
| 3 | 1,13-Tetradecadiene | 194 | C14H26 | 021964-49-8 | 89 |
| 4 | Z-2-Dodecenol | 184 | C12H24O | 069064-36-4 | 78 |
| 5 | 2-Decen-1-ol, (E)- | 156 | C10H20O | 018409-18-2 | 76 |



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Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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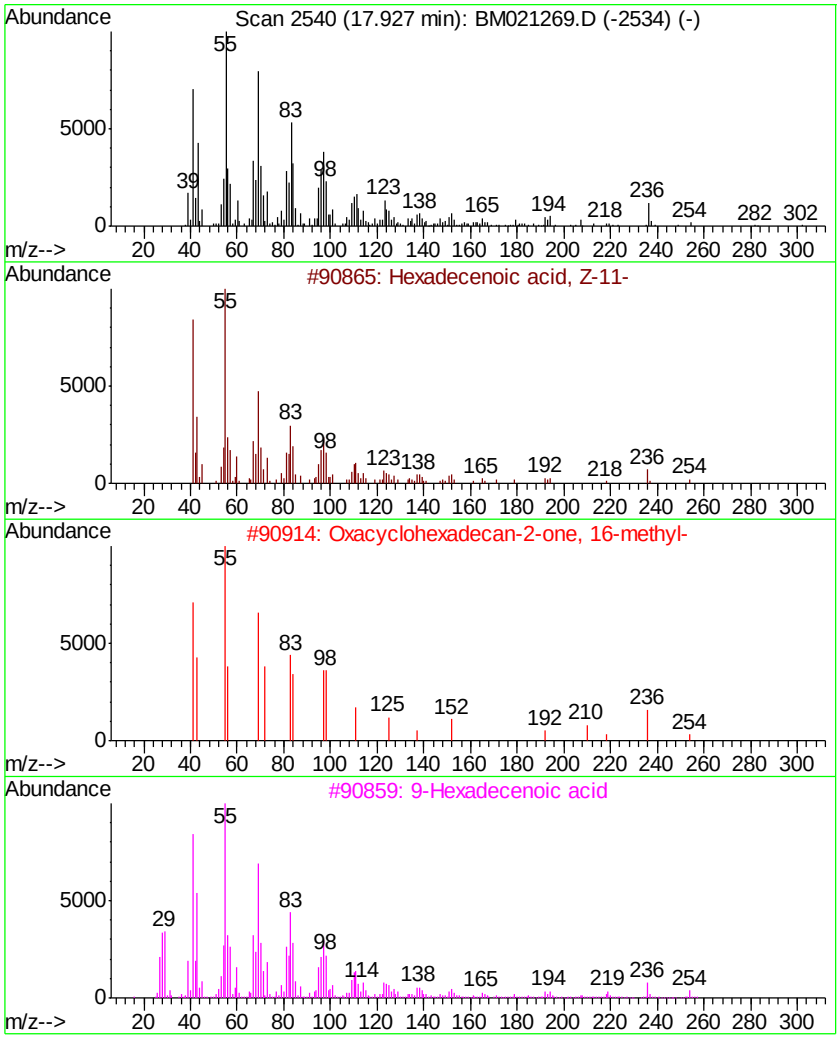
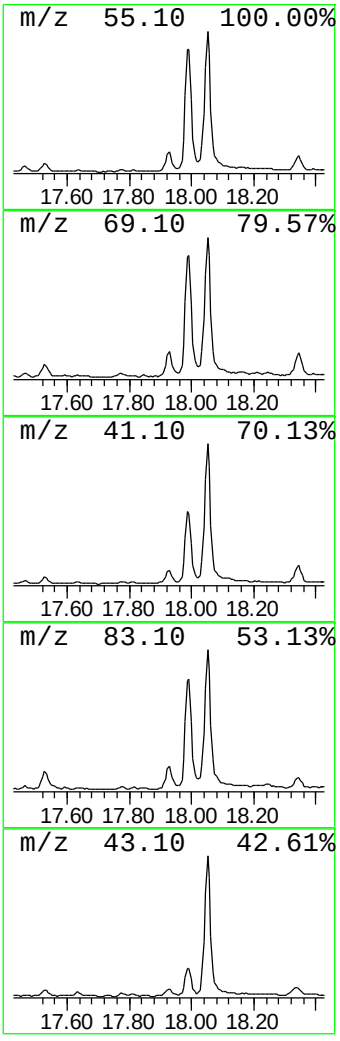
Peak Number 13 Hexadecenoic acid, Z-11- Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.93 | 3.27 ng/ul | 691988 | Phenanthrene-d10 | 17.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecenoic acid, Z-11- | 254 | C16H30O2 | 002416-20-8 | 90 |
| 2 | Oxacyclohexadecan-2-one, 16-methyl- | 254 | C16H30O2 | 004459-57-8 | 81 |
| 3 | 9-Hexadecenoic acid | 254 | C16H30O2 | 002091-29-4 | 78 |
| 4 | Z-7-Hexadecenoic acid | 254 | C16H30O2 | 1000130-90-8 | 70 |
| 5 | 1-Cyclohexyl-2-methyl-prop-2-en-... | 152 | C10H16O | 025183-82-8 | 55 |



# Library Search Compound Report

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Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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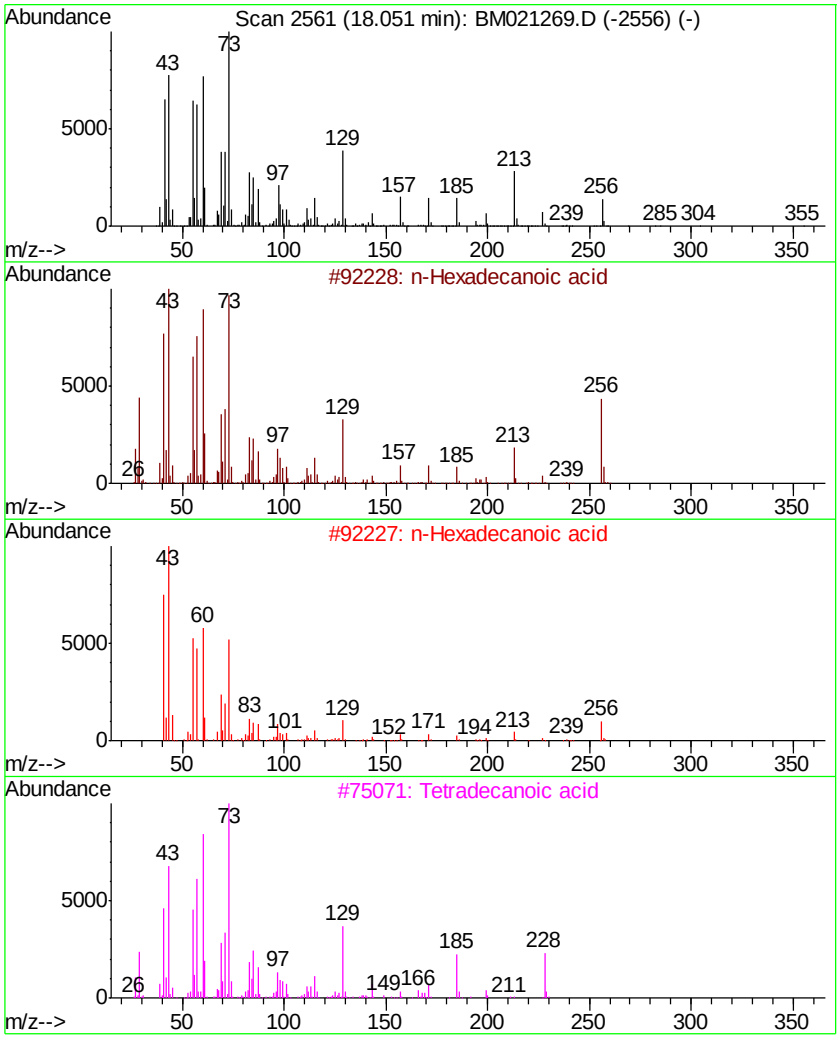
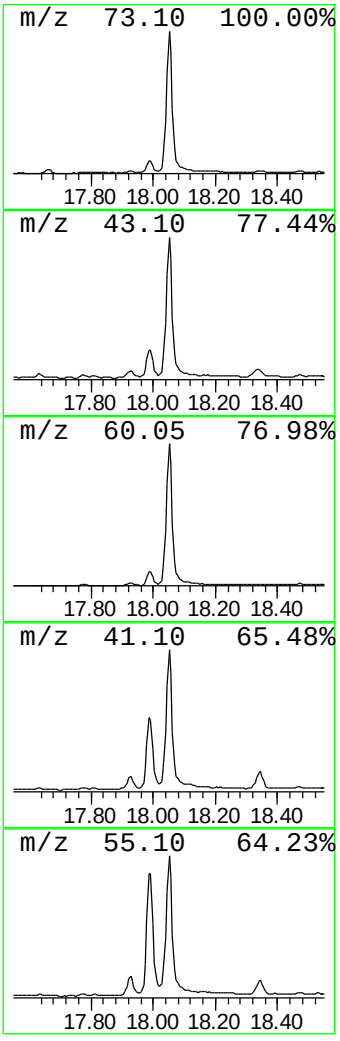
Peak Number 15 n-Hexadecanoic acid Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.05 | 29.85 ng/ul | 6307730 | Phenanthrene-d10 | 17.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 95 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 89 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 76 |



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Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

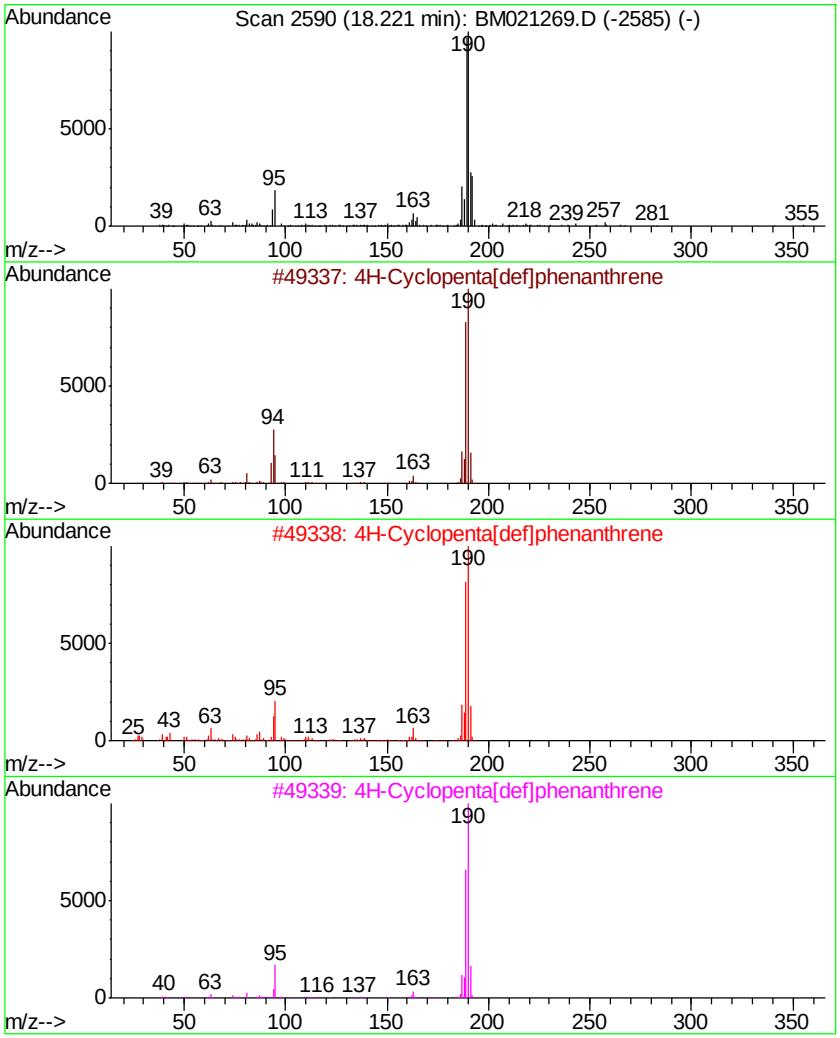
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

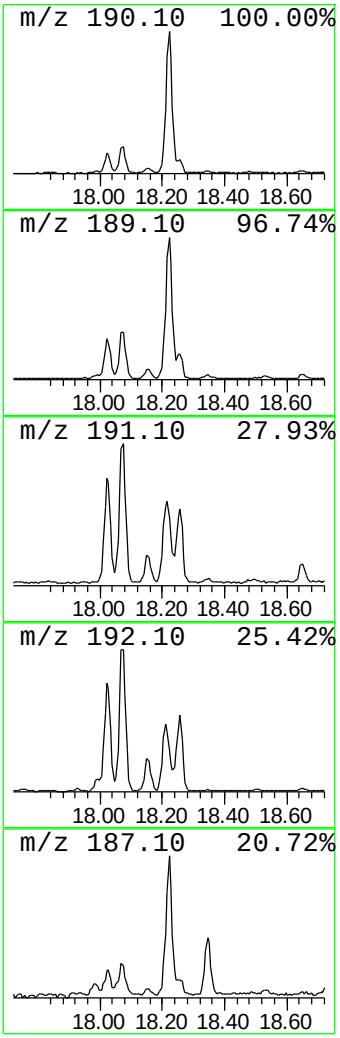
**********

Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 38

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.22 | 2.38 ng/ul | 502000 | Phenanthrene-d10 | 17.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 87 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 81 |
| 3 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 81 |
| 4 | Pyrazole-4-carboxaldehyde, 3-(4-... | 190 | C10H7FN2O | 306936-57-2 | 53 |
| 5 | 1,4-Naphthalenedione, 2,5-dihydr... | 190 | C10H6O4 | 004923-55-1 | 23 |



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Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

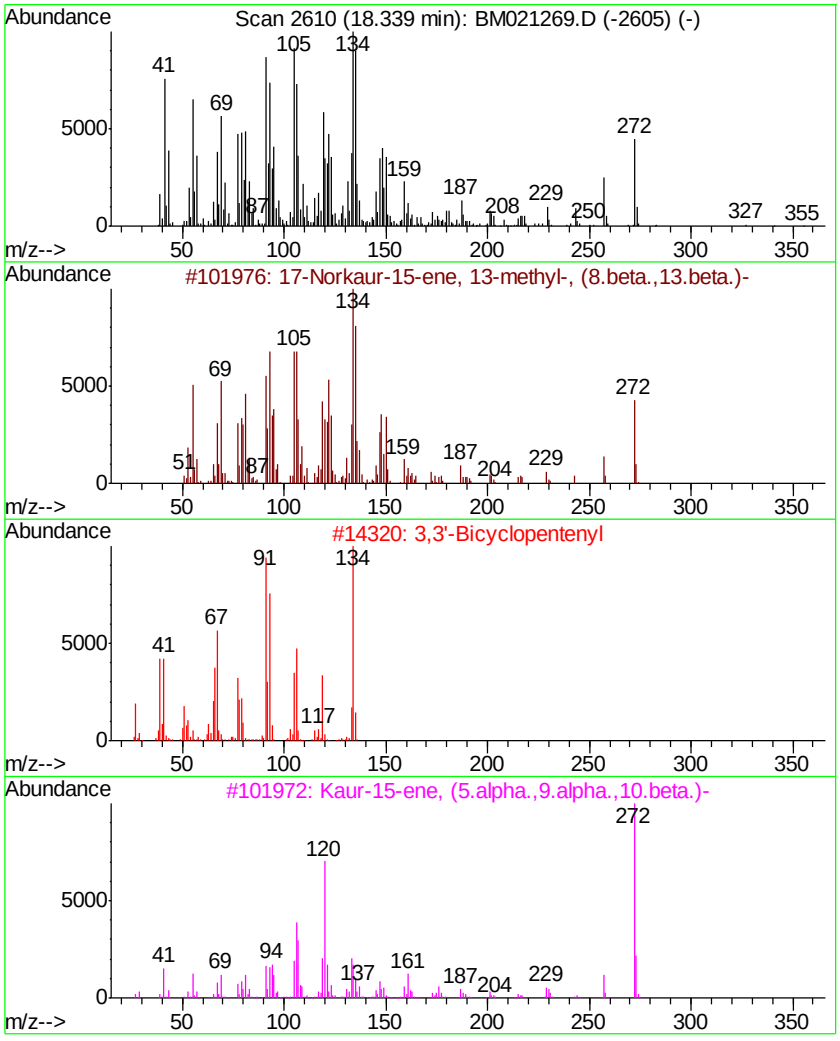
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

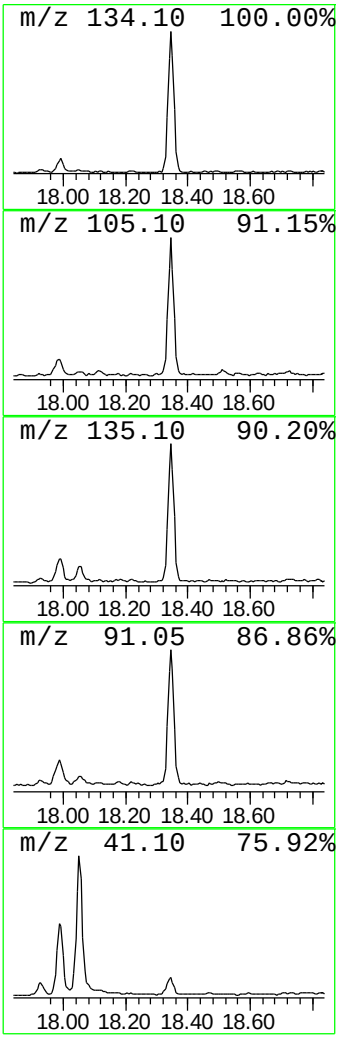
**********

Peak Number 17 17-Norkaur-15-ene, 13-methy... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.34 | 7.81 ng/ul | 1650580 | Phenanthrene-d10 | 17.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 17-Norkaur-15-ene, 13-methyl-, (... | 272 | C20H32 | 003564-54-3 | 99 |
| 2 | 3,3'-Bicyclopentenyl | 134 | C10H14 | 002690-18-8 | 27 |
| 3 | Kaur-15-ene, (5.alpha.,9.alpha.,... | 272 | C20H32 | 000511-85-3 | 27 |
| 4 | (E,E)-7,11,15-Trimethyl-3-methyl... | 272 | C20H32 | 070901-63-2 | 27 |
| 5 | 1,3,8-p-Menthatriene | 134 | C10H14 | 021195-59-5 | 25 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

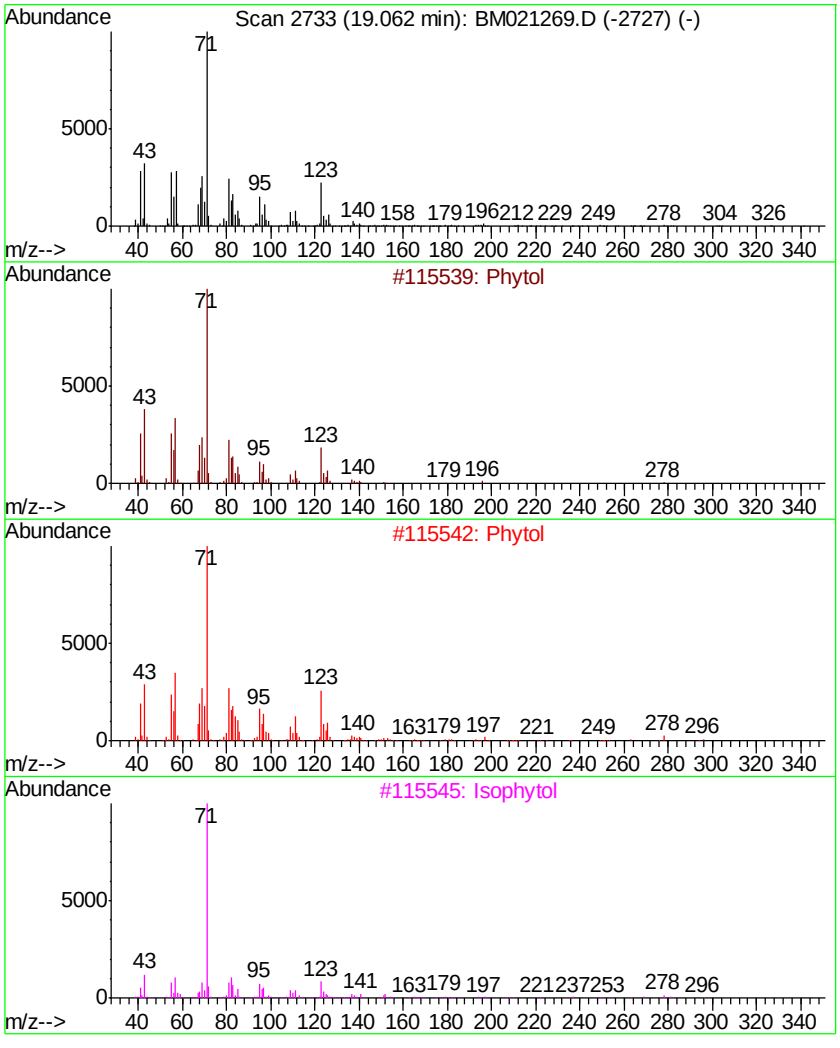
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

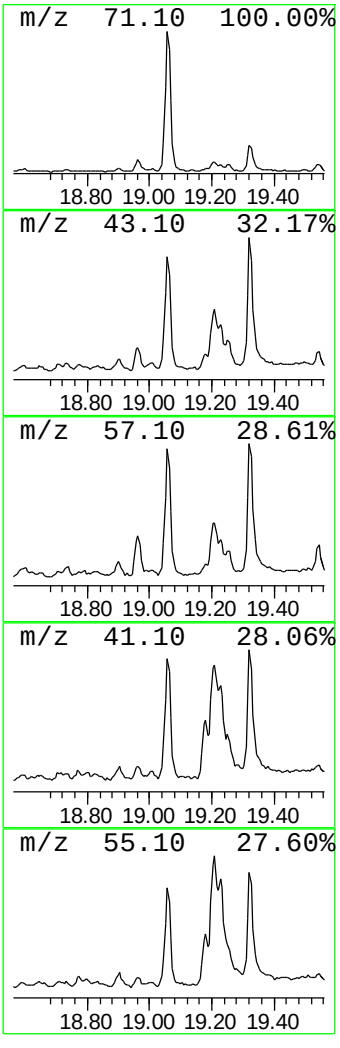
**********

Peak Number 18 Phytol Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.06 | 8.70 ng/ul | 1837300 | Phenanthrene-d10 | 17.15 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phytol | 296 | C20H40O | 000150-86-7 | 91 |
| 2 | Phytol | 296 | C20H40O | 000150-86-7 | 62 |
| 3 | Isophytol | 296 | C20H40O | 000505-32-8 | 59 |
| 4 | Butyric acid, 3-pentadecyl ester | 298 | C19H38O2 | 1000280-57-3 | 53 |
| 5 | Isophytol | 296 | C20H40O | 000505-32-8 | 53 |



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Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

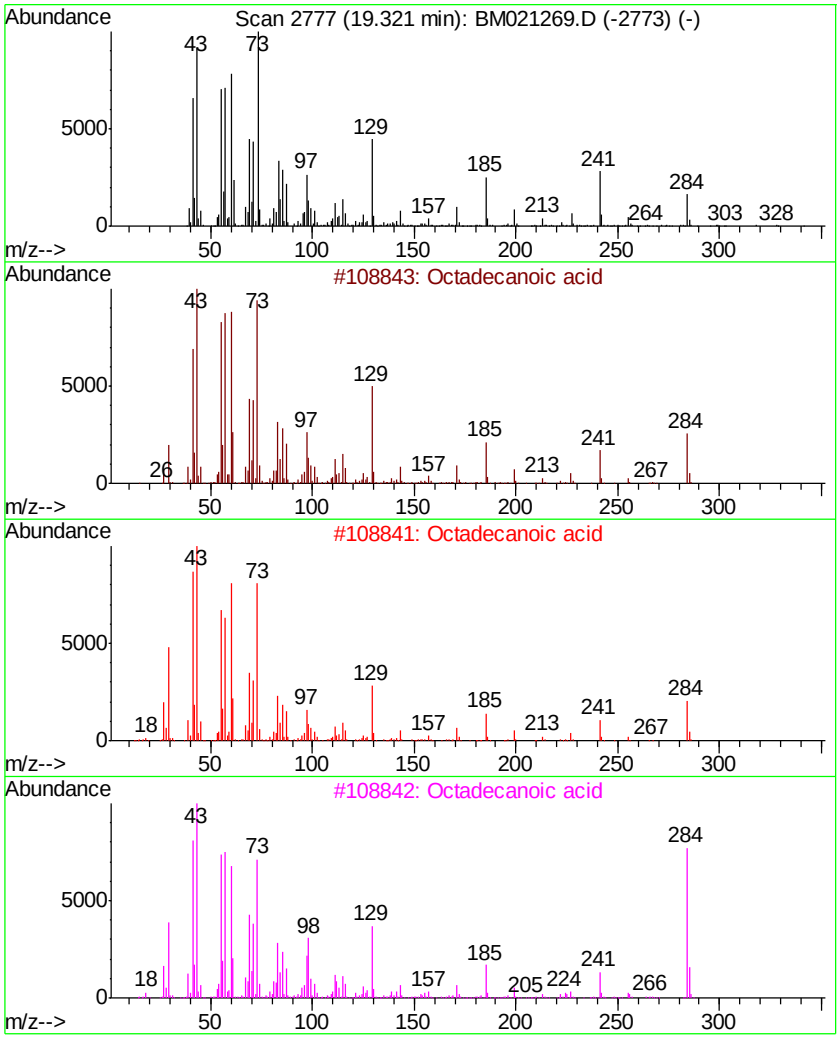
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

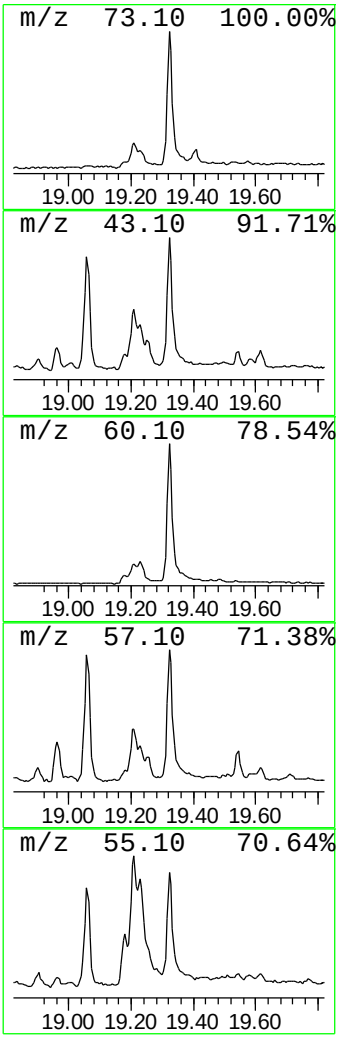
**********

Peak Number 19 Octadecanoic acid Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.32 | 4.69 ng/ul | 1523050 | Chrysene-d12 | 21.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 95 |
| 3 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 93 |
| 4 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 89 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 83 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

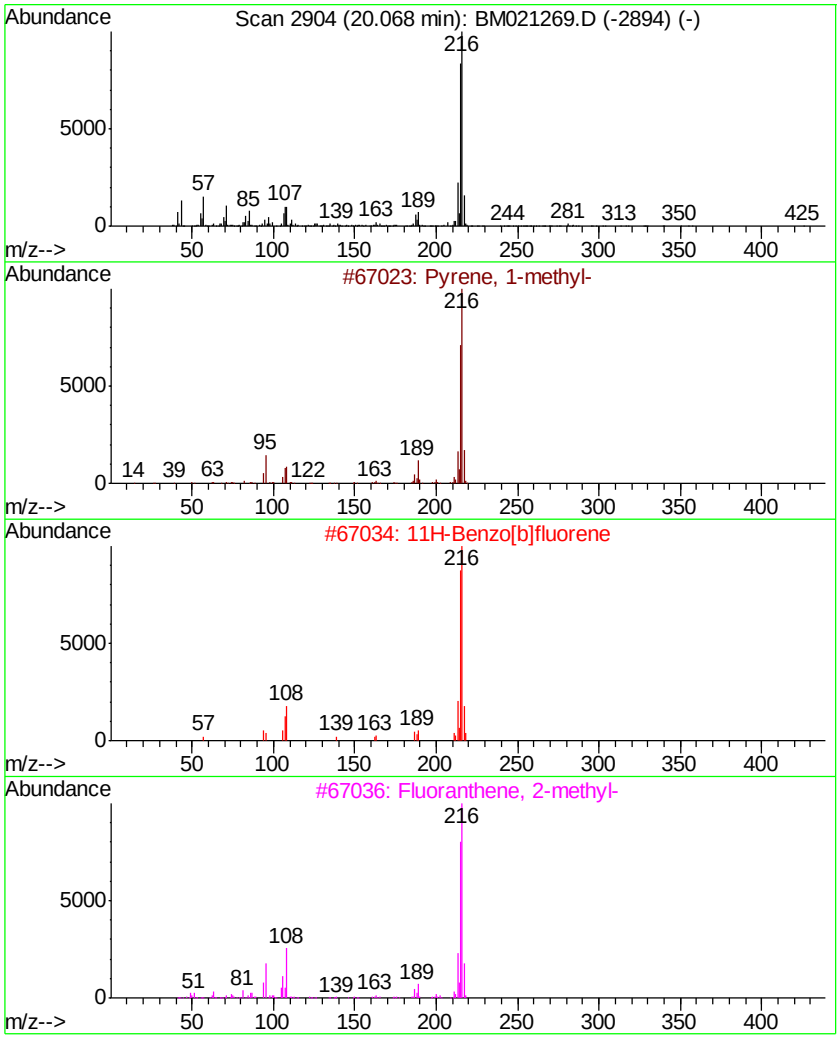
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

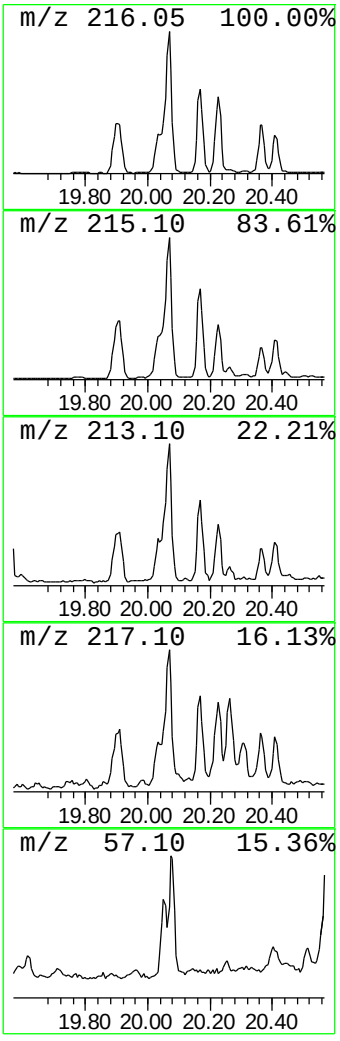
**********

Peak Number 20 Pyrene, 1-methyl- Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.07 | 4.89 ng/ul | 1590590 | Chrysene-d12 | 21.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 89 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 86 |
| 3 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 86 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 76 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 76 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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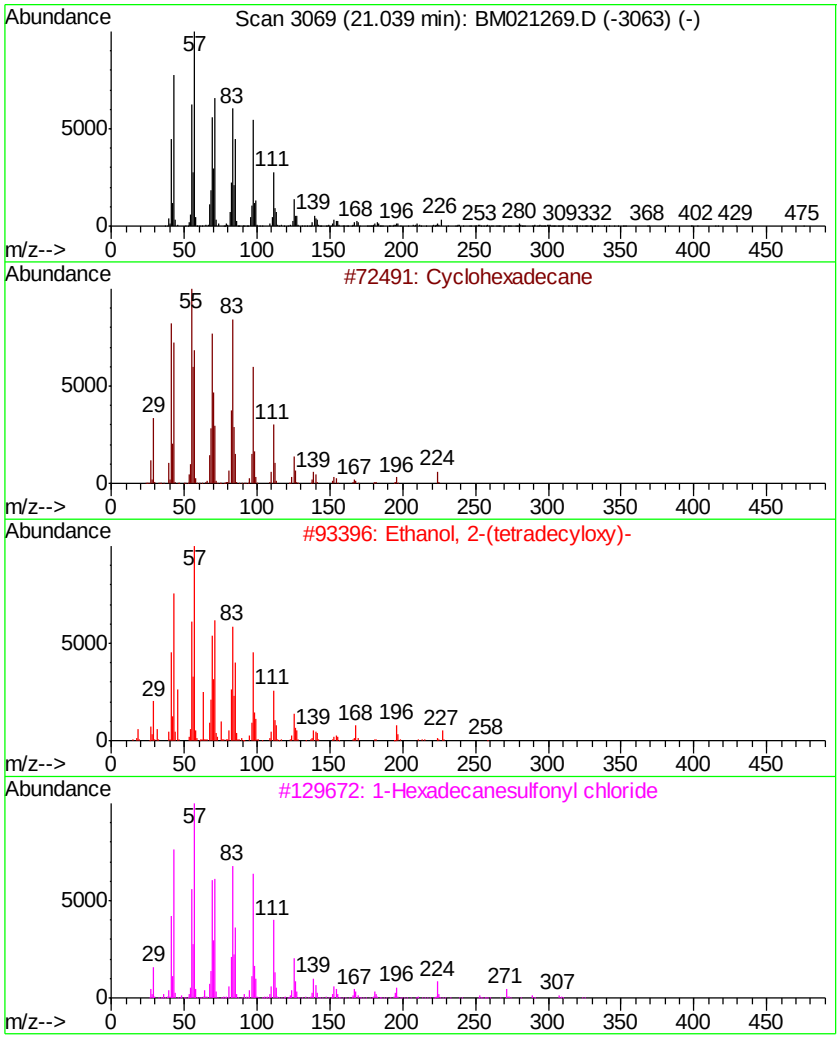
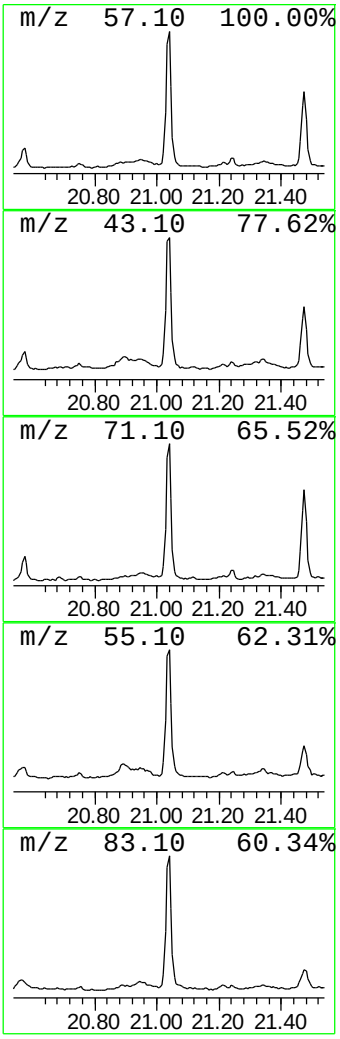
Peak Number 21 (DEL) Alkane: Cyclic21.04 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.04 | 9.64 ng/ul | 3133510 | Chrysene-d12 | 21.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 99 |
| 2 | Ethanol, 2-(tetradecyloxy)- | 258 | C16H34O2 | 002136-70-1 | 91 |
| 3 | 1-Hexadecanesulfonyl chloride | 324 | C16H33ClO2S | 038775-38-1 | 90 |
| 4 | Heptafluorobutanoic acid, heptad... | 452 | C21H35F7O2 | 1000282-97-3 | 81 |
| 5 | Pentafluoropropionic acid, hepta... | 402 | C20H35F5O2 | 1000283-04-2 | 81 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

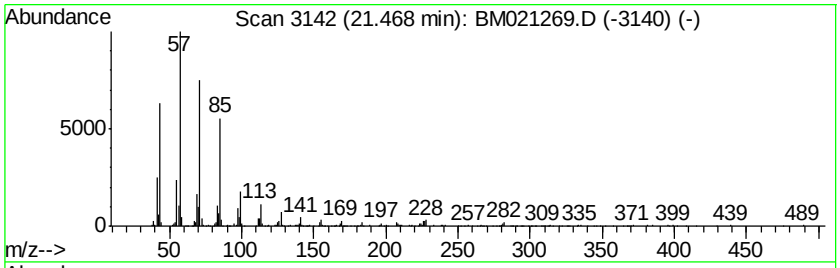
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

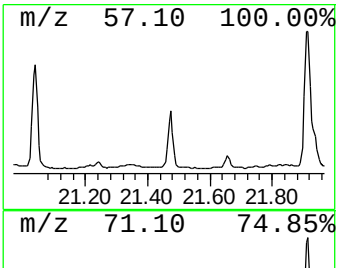
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.47 | 3.15 ng/ul | 1023270 | Chrysene-d12 | 21.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecane | 254 | C18H38 | 000593-45-3 | 96 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 94 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 93 |
| 4 | Octadecane | 254 | C18H38 | 000593-45-3 | 92 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |



# Library Search Compound Report

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Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

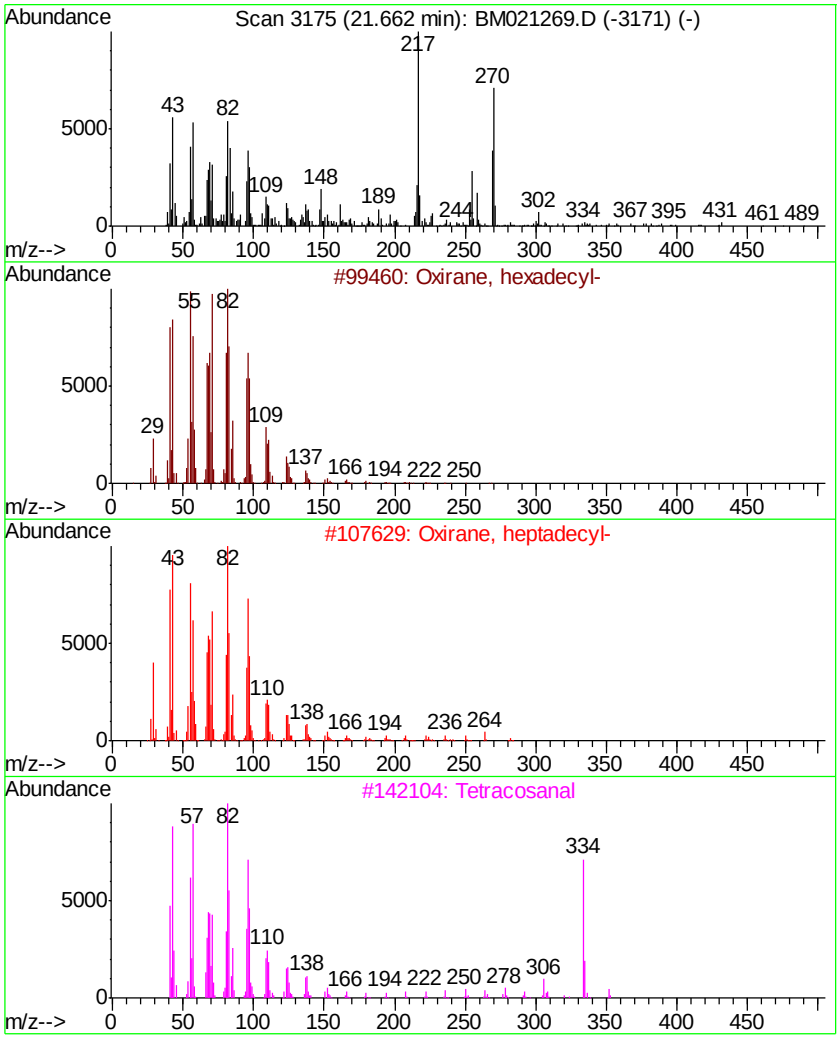
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

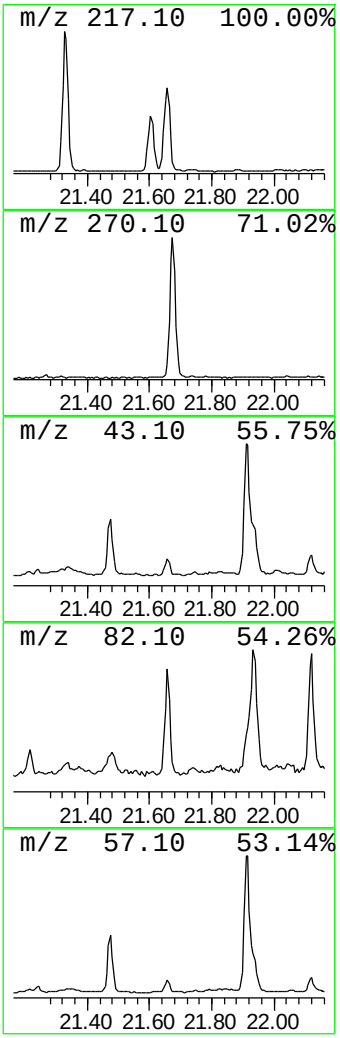
**********

Peak Number 23 Oxirane, hexadecyl- Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.66 | 3.34 ng/ul | 1087100 | Chrysene-d12 | 21.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxirane, hexadecyl- | 268 | C18H36O | 007390-81-0 | 64 |
| 2 | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2 | 50 |
| 3 | Tetracosanal | 352 | C24H48O | 057866-08-7 | 50 |
| 4 | Octadecanal | 268 | C18H36O | 000638-66-4 | 50 |
| 5 | 1-Aminopyrene | 217 | C16H11N | 001606-67-3 | 50 |



# Library Search Compound Report

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Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

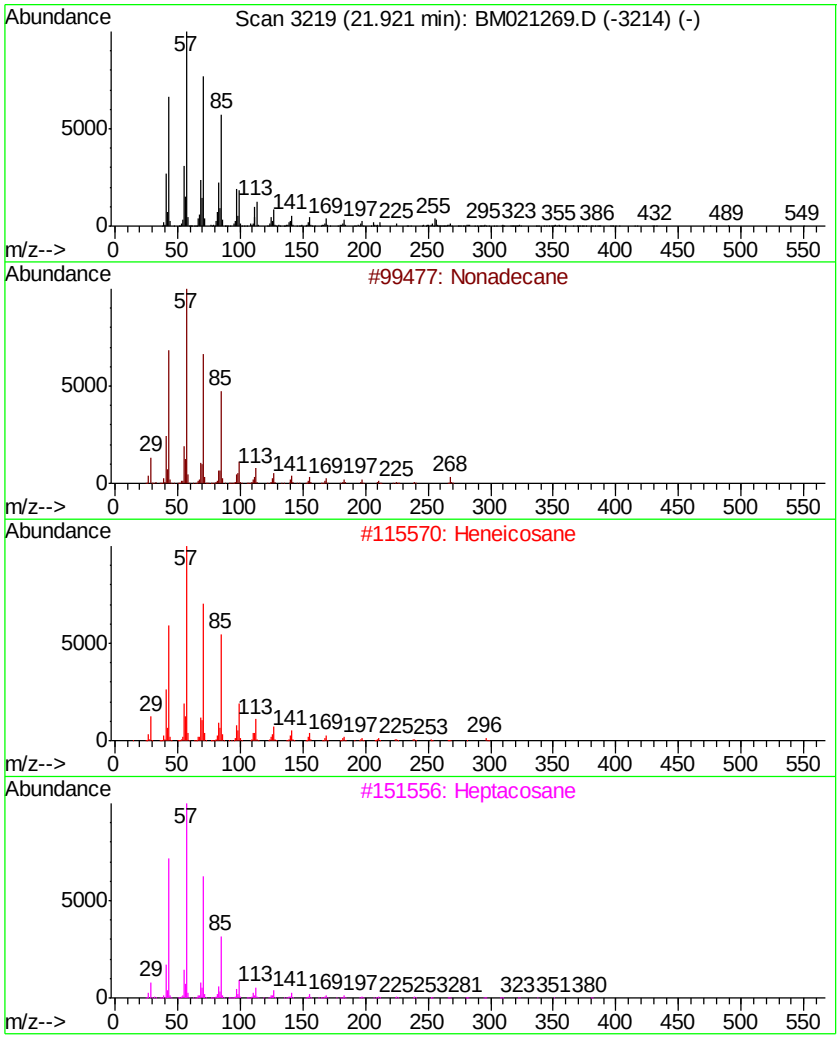
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

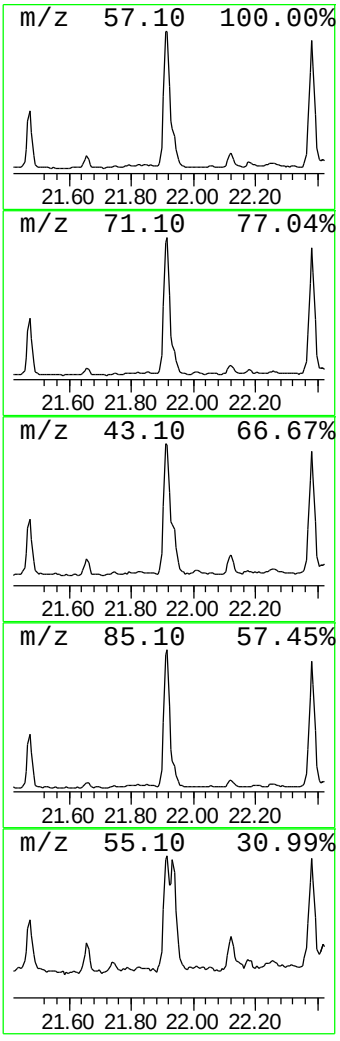
**********

Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.92 | 5.74 ng/ul | 1865250 | Chrysene-d12 | 21.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 93 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 5 | Triacontane | 422 | C30H62 | 000638-68-6 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

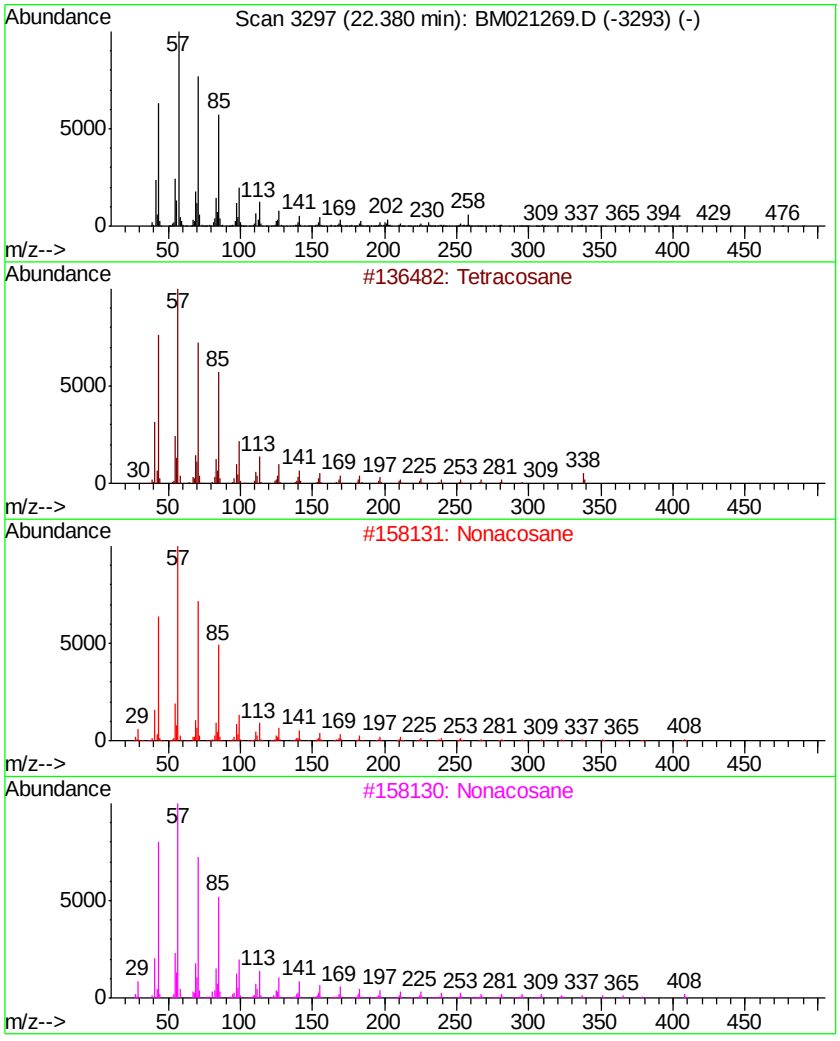
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

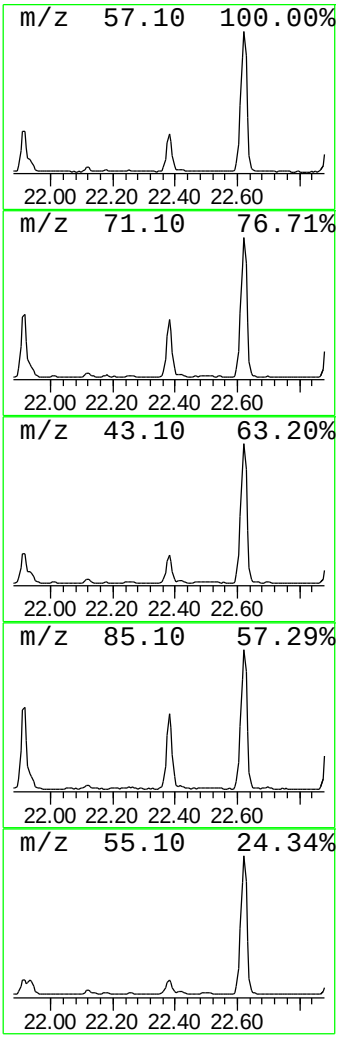
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.38 | 6.49 ng/ul | 2110690 | Chrysene-d12 | 21.33 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 98 |
| 2 | Nonacosane | 408 | C29H60 | 000630-03-5 | 96 |
| 3 | Nonacosane | 408 | C29H60 | 000630-03-5 | 93 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 93 |
| 5 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 93 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

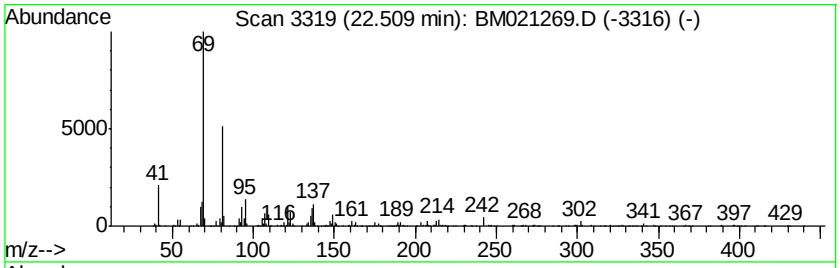
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

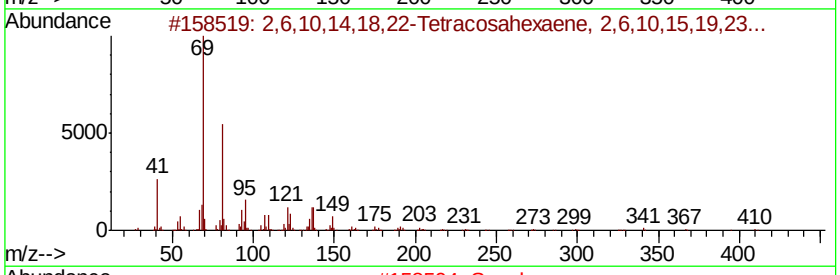
**********

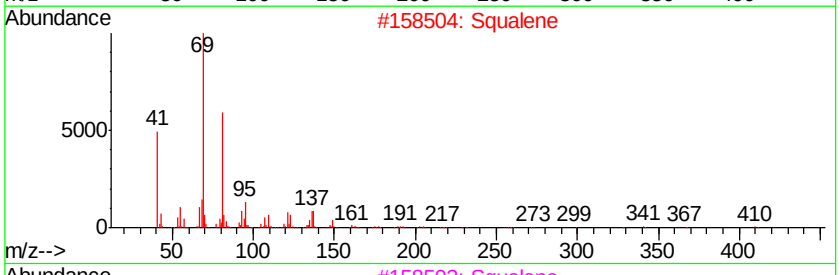
Peak Number 26 2,6,10,14,18,22-Tetracosahe... Concentration Rank 29

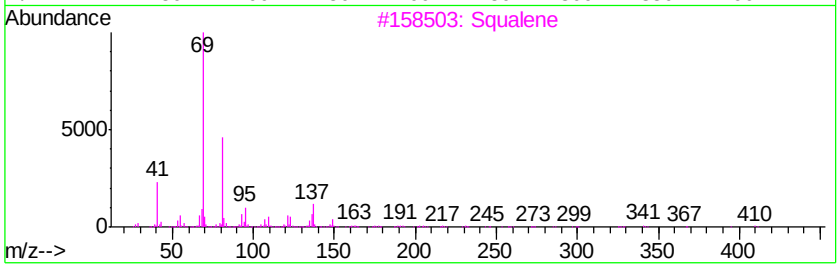
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.51 | 4.16 ng/ul | 657173 | Perylene-d12 | 23.61 |

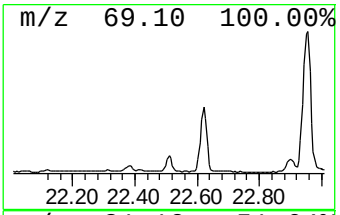
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50 | 000111-02-4 | 99 |
| 2 | Squalene | 410 | C30H50 | 007683-64-9 | 99 |
| 3 | Squalene | 410 | C30H50 | 007683-64-9 | 98 |
| 4 | 2,6,10,14,18,22-Tetracosahexaene... | 410 | C30H50 | 000111-02-4 | 93 |
| 5 | 2,6,10,14-Hexadecatetraenoic aci... | 332 | C22H36O2 | 024035-35-6 | 87 |

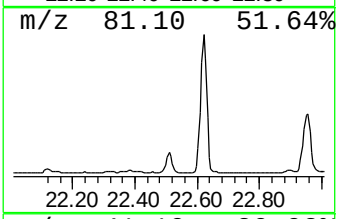


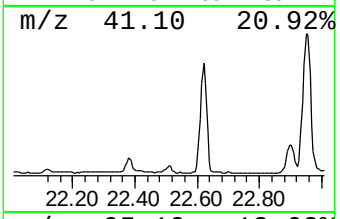



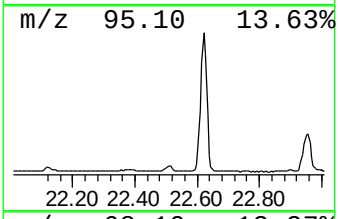



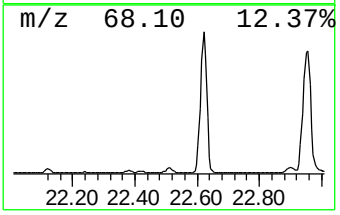



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

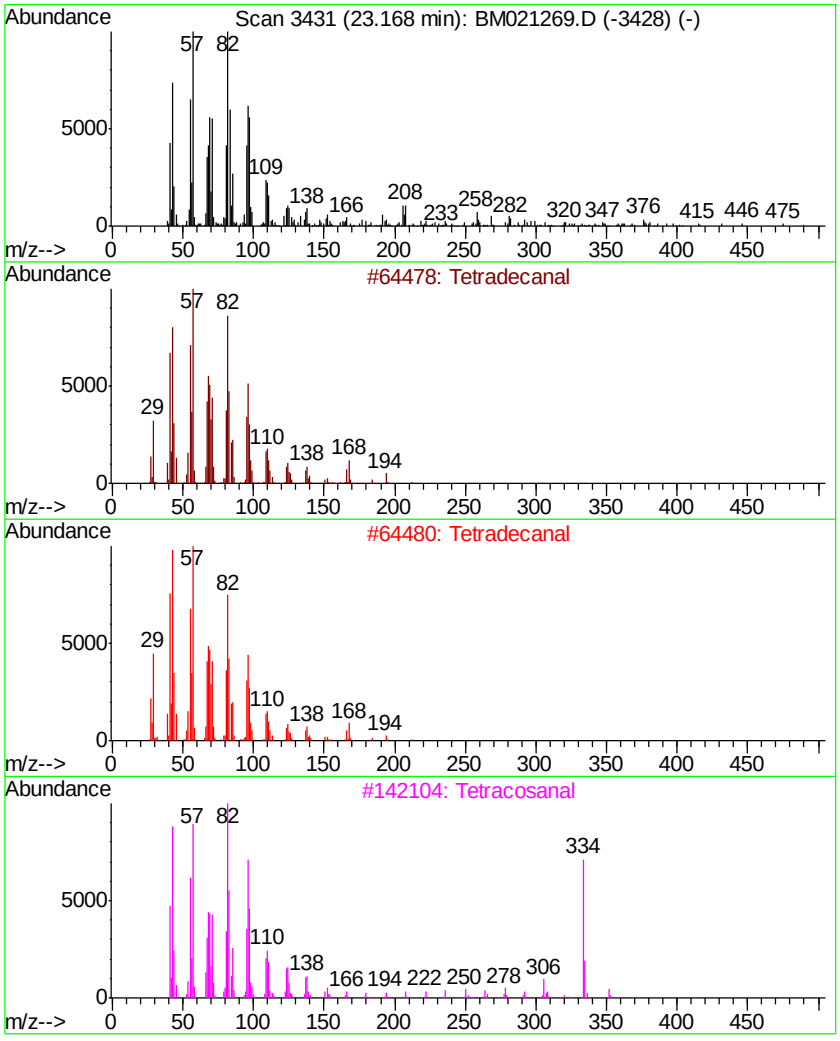
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

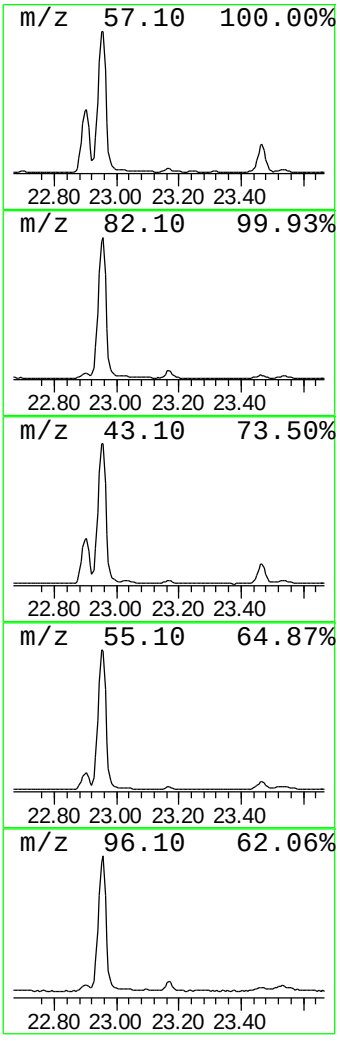
**********

Peak Number 28 Tetradecanal Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.17 | 3.31 ng/ul | 522545 | Perylene-d12 | 23.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecanal | 212 | C14H28O | 000124-25-4 | 93 |
| 2 | Tetradecanal | 212 | C14H28O | 000124-25-4 | 91 |
| 3 | Tetracosanal | 352 | C24H48O | 057866-08-7 | 87 |
| 4 | E-9-Tetradecen-1-ol formate | 240 | C15H28O2 | 1000130-78-2 | 86 |
| 5 | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2 | 76 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

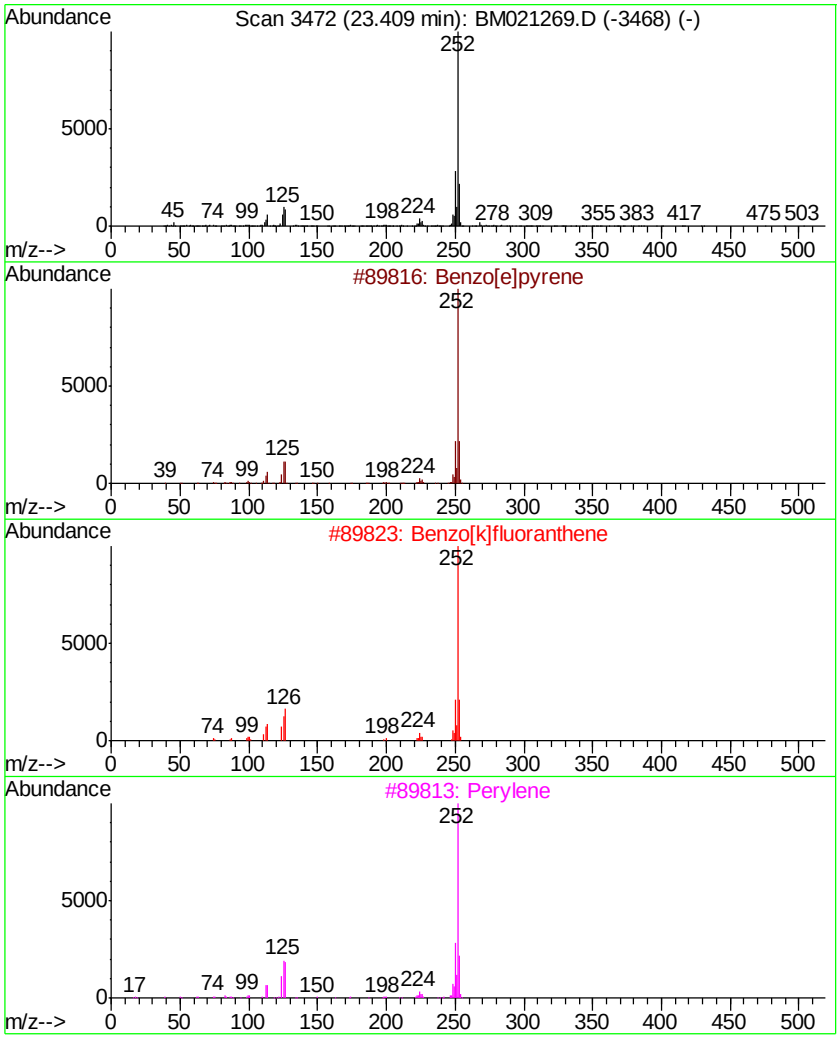
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

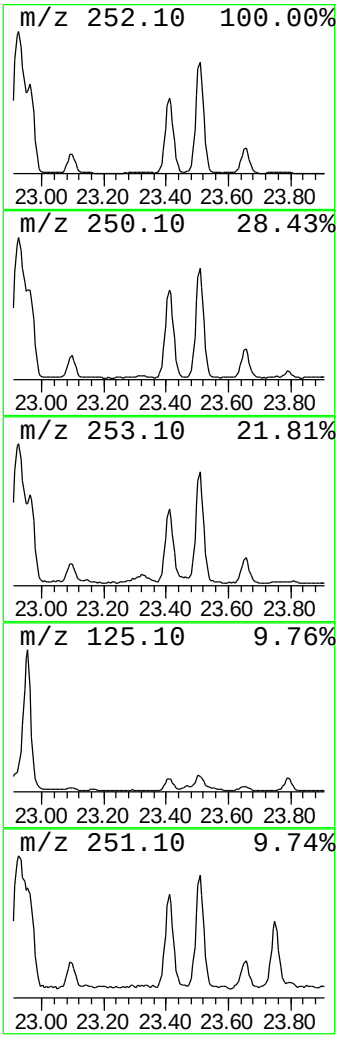
**********

Peak Number 29 Benzo[e]pyrene Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.41 | 8.38 ng/ul | 1324070 | Perylene-d12 | 23.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[e]pyrene | 252 | C20H12 | 000192-97-2 | 98 |
| 2 | Benzo[k]fluoranthene | 252 | C20H12 | 000207-08-9 | 98 |
| 3 | Perylene | 252 | C20H12 | 000198-55-0 | 96 |
| 4 | Perylene | 252 | C20H12 | 000198-55-0 | 94 |
| 5 | Benzo[j]fluoranthene | 252 | C20H12 | 000205-82-3 | 94 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

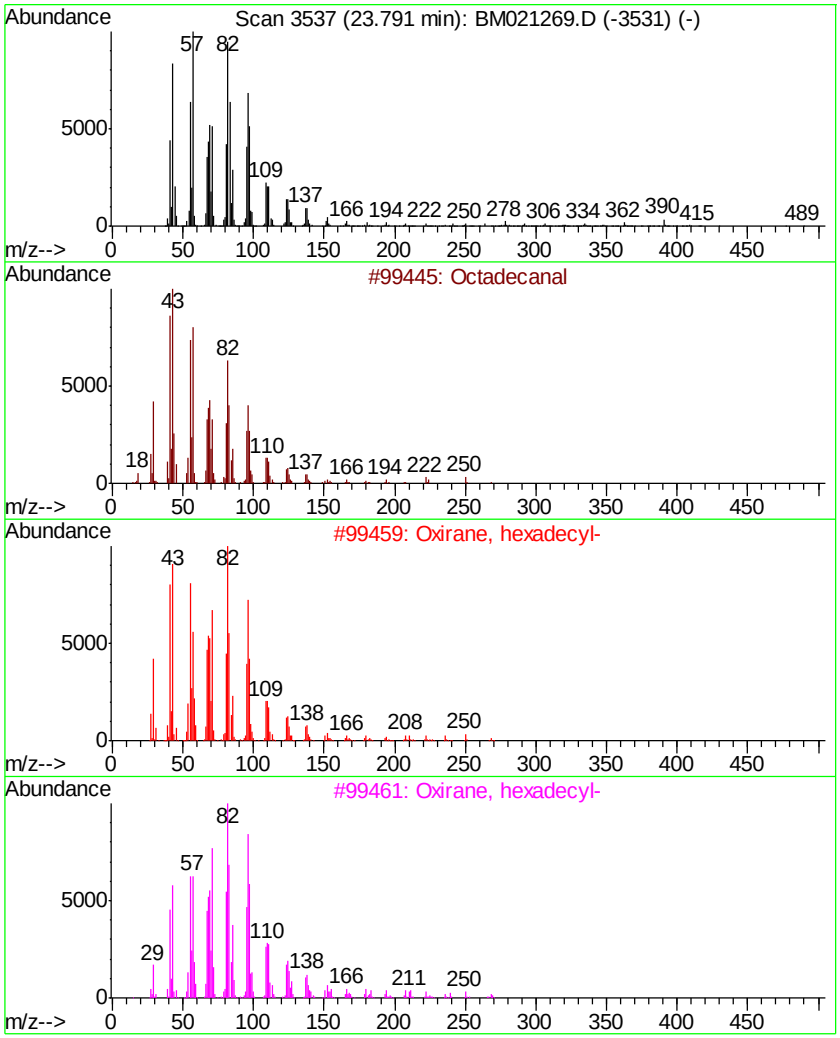
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

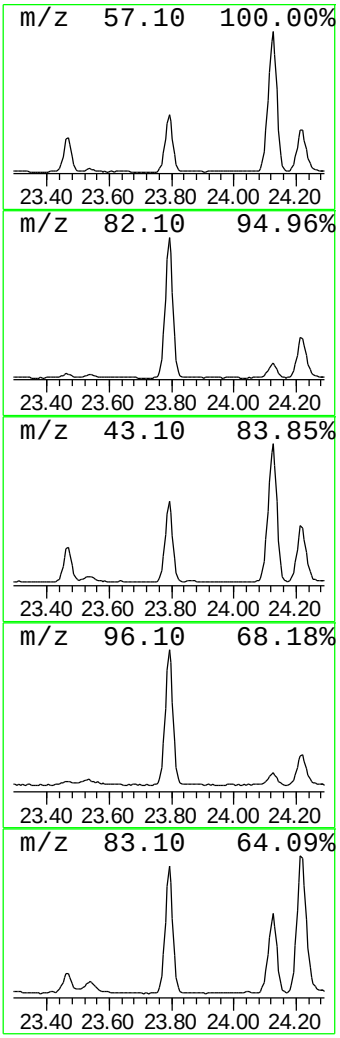
**********

Peak Number 30 Octadecanal Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.79 | 59.45 ng/ul | 9398900 | Perylene-d12 | 23.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanal | 268 | C18H36O | 000638-66-4 | 96 |
| 2 | Oxirane, hexadecyl- | 268 | C18H36O | 007390-81-0 | 91 |
| 3 | Oxirane, hexadecyl- | 268 | C18H36O | 007390-81-0 | 91 |
| 4 | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2 | 91 |
| 5 | Octadecanal | 268 | C18H36O | 000638-66-4 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

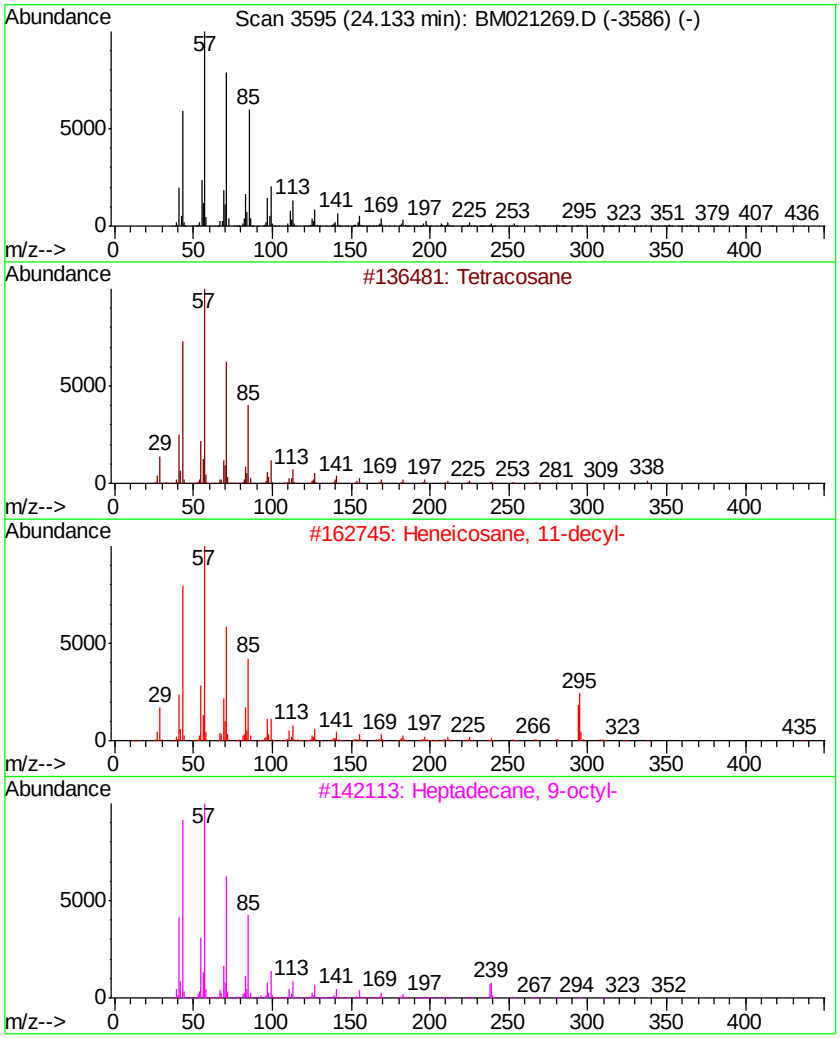
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

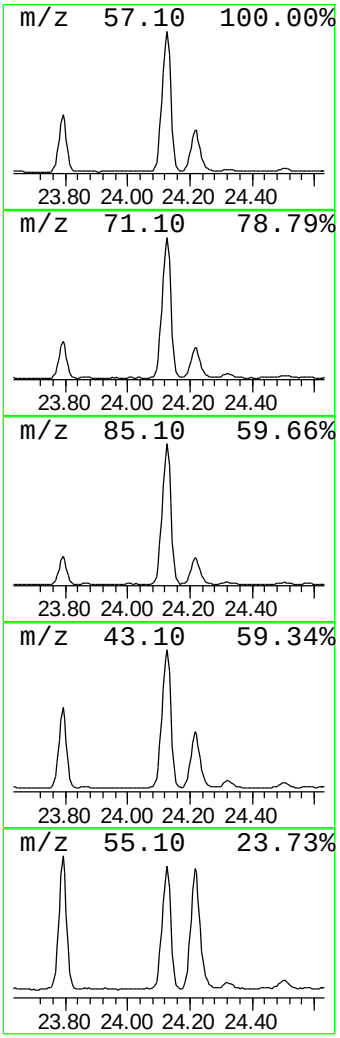
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.13 | 78.06 ng/ul | 12340900 | Perylene-d12 | 23.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 97 |
| 2 | Heneicosane, 11-decyl- | 437 | C31H64 | 055320-06-4 | 95 |
| 3 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 95 |
| 4 | Eicosane, 9-octyl- | 394 | C28H58 | 013475-77-9 | 93 |
| 5 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 93 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

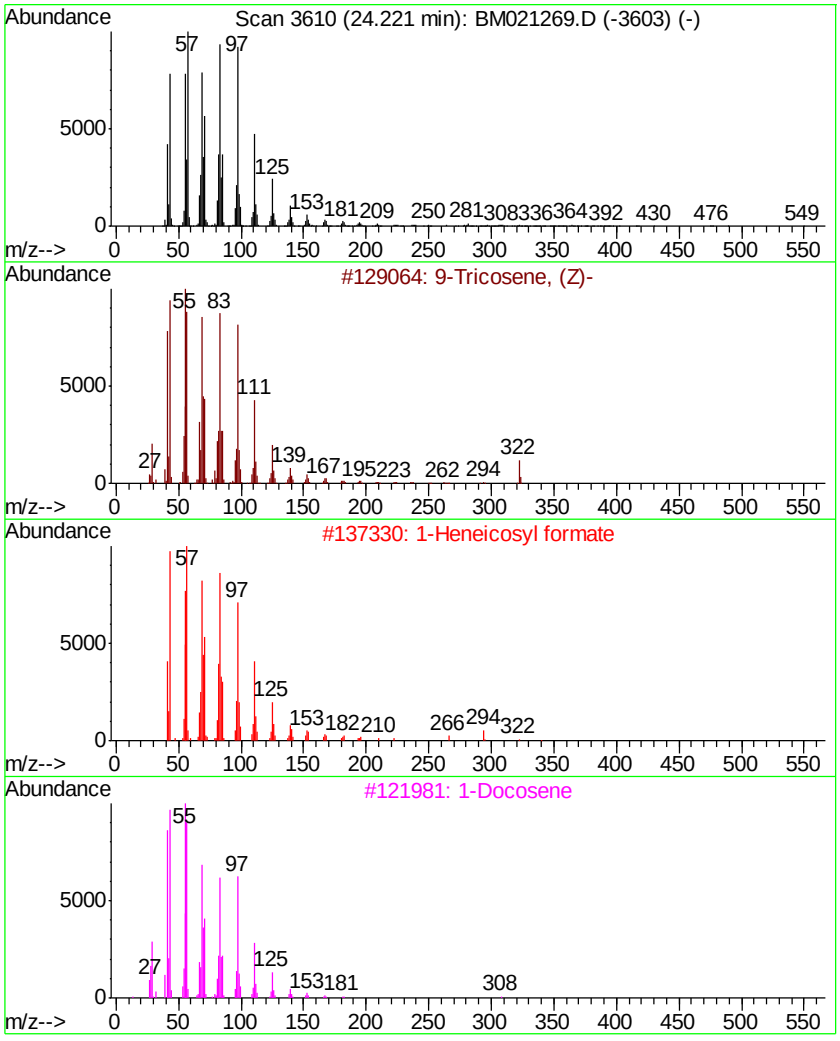
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

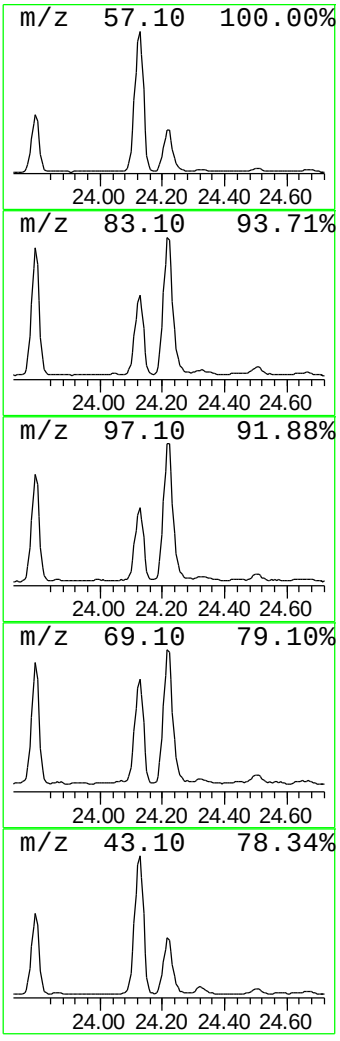
**********

Peak Number 32 (DEL) Alkane: Cyclic24.22 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.22 | 48.20 ng/ul | 7620590 | Perylene-d12 | 23.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Tricosene, (Z)- | 322 | C23H46 | 027519-02-4 | 87 |
| 2 | 1-Heneicosyl formate | 340 | C22H44O2 | 077899-03-7 | 83 |
| 3 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 76 |
| 4 | 1-Hexacosanol | 382 | C26H54O | 000506-52-5 | 74 |
| 5 | 2- Chloropropionic acid, octadec... | 360 | C21H41ClO2 | 088104-31-8 | 74 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

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

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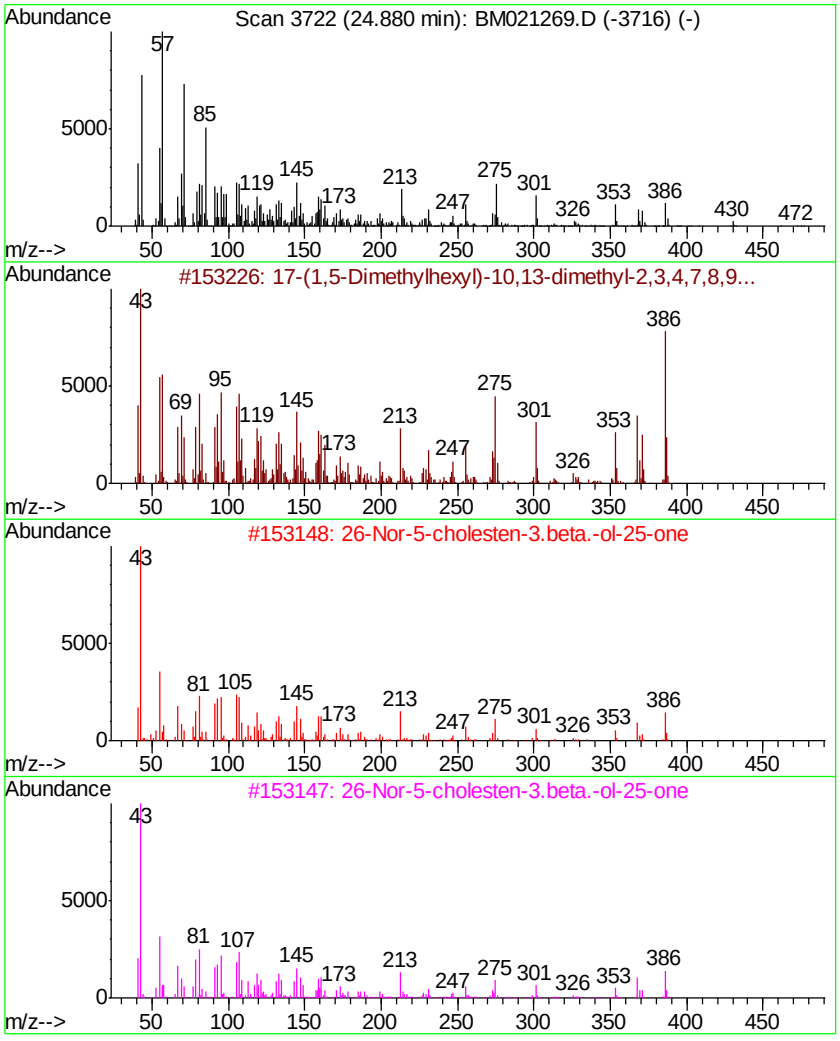
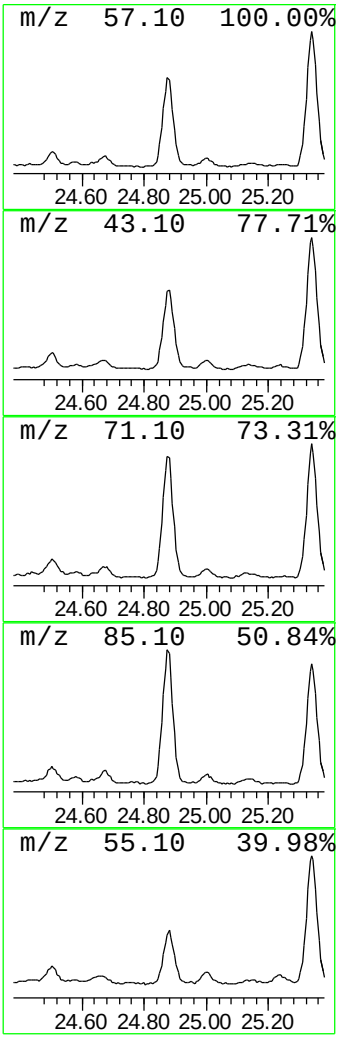
Peak Number 33 17-(1,5-Dimethylhexyl)-10,1... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.88 | 31.59 ng/ul | 4994570 | Perylene-d12 | 23.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 17-(1,5-Dimethylhexyl)-10,13-dim... | 386 | C27H46O | 1000210-38-4 | 96 |
| 2 | 26-Nor-5-cholesten-3.beta.-ol-25... | 386 | C26H42O2 | 007494-34-0 | 94 |
| 3 | 26-Nor-5-cholesten-3.beta.-ol-25... | 386 | C26H42O2 | 007494-34-0 | 91 |
| 4 | Cholesterol | 386 | C27H46O | 000057-88-5 | 90 |
| 5 | Cholesterol | 386 | C27H46O | 000057-88-5 | 74 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

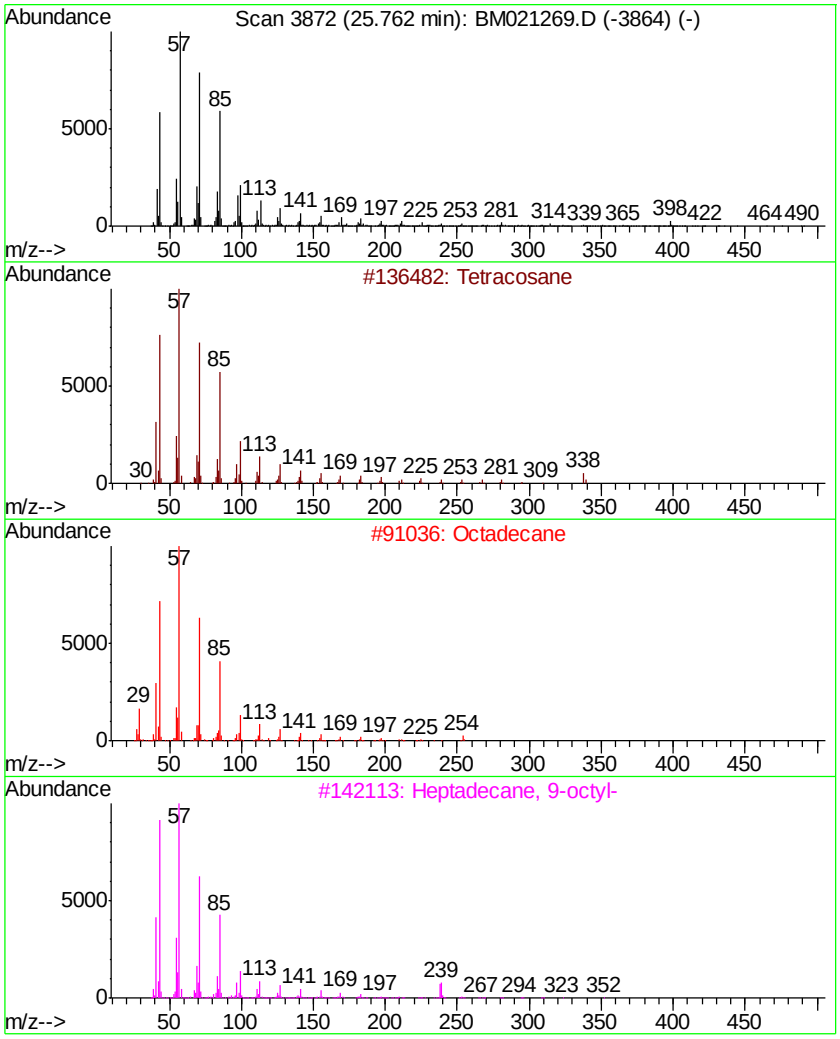
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

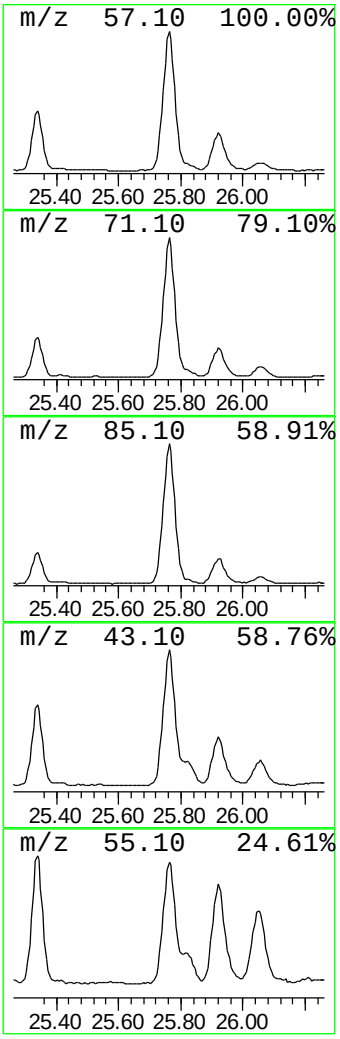
**********

Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.76 | 65.09 ng/ul | 10290700 | Perylene-d12 | 23.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetracosane | 338 | C24H50 | 000646-31-1 | 97 |
| 2 | Octadecane | 254 | C18H38 | 000593-45-3 | 96 |
| 3 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 93 |
| 4 | Eicosane, 9-octyl- | 394 | C28H58 | 013475-77-9 | 93 |
| 5 | Docosane, 7-hexyl- | 394 | C28H58 | 055373-86-9 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

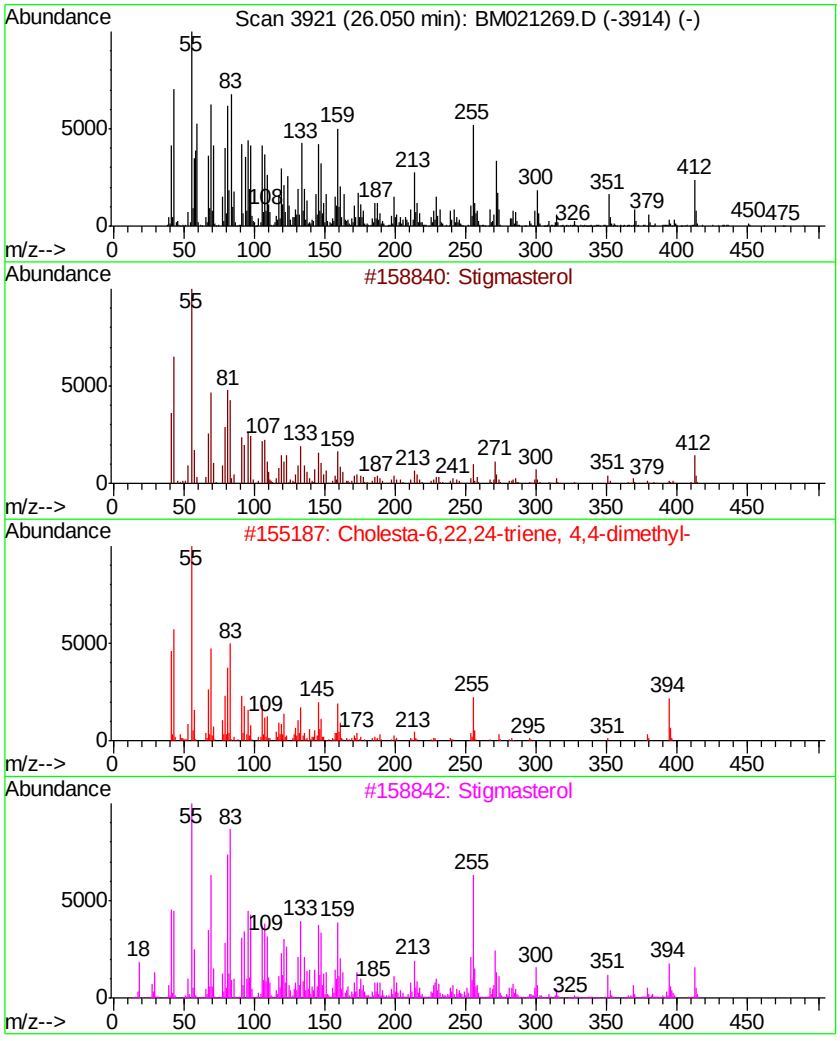
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

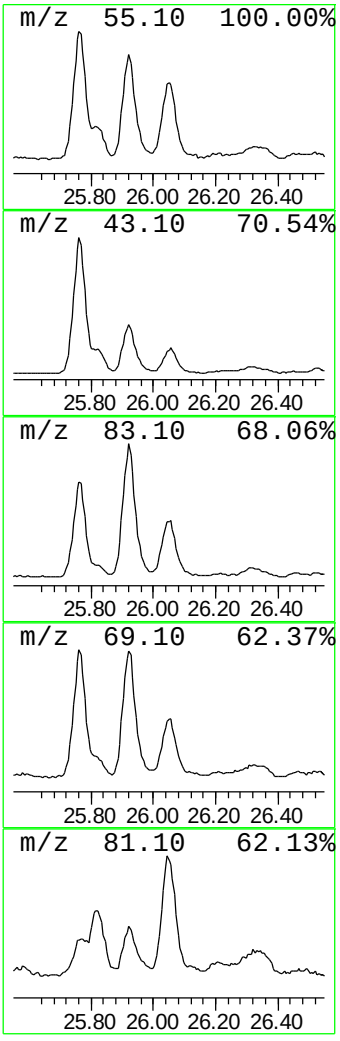
**********

Peak Number 36 Stigmasterol Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.05 | 35.26 ng/ul | 5574280 | Perylene-d12 | 23.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Stigmasterol | 412 | C29H48O | 000083-48-7 | 97 |
| 2 | Cholesta-6,22,24-triene, 4,4-dim... | 394 | C29H46 | 1000128-66-9 | 90 |
| 3 | Stigmasterol | 412 | C29H48O | 000083-48-7 | 68 |
| 4 | Stigmasta-5,22-dien-3-ol, acetat... | 454 | C31H50O2 | 004651-48-3 | 58 |
| 5 | Stigmasterol | 412 | C29H48O | 000083-48-7 | 58 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

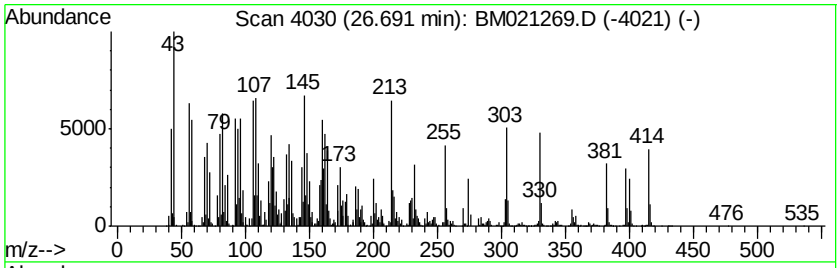
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

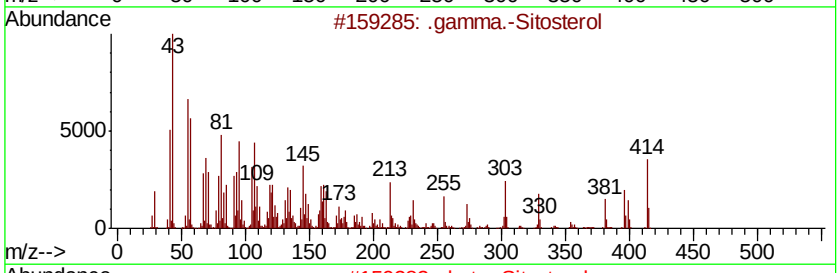
**********

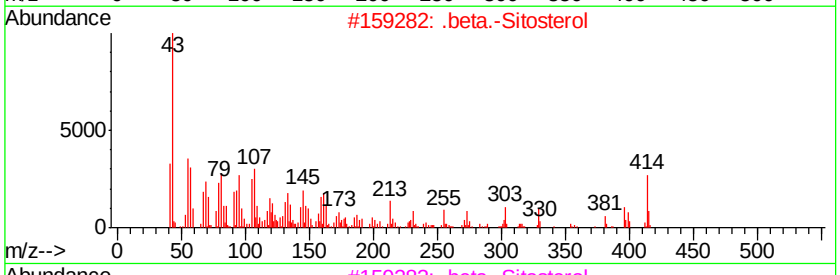
Peak Number 37 .gamma.-Sitosterol Concentration Rank 3

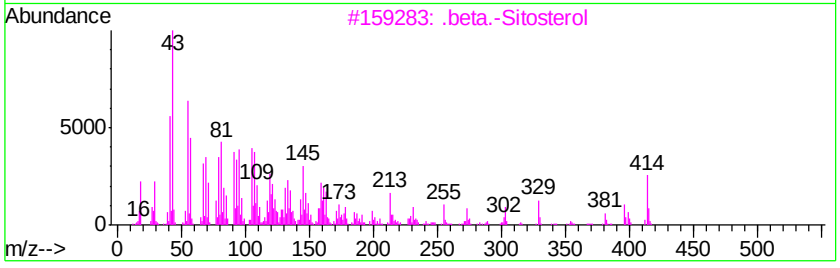
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.69 | 77.79 ng/ul | 12298100 | Perylene-d12 | 23.61 |

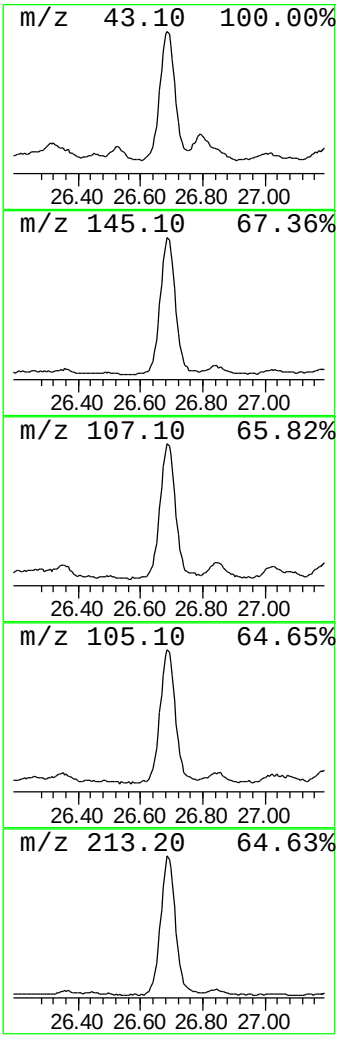
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .gamma.-Sitosterol | 414 | C29H50O | 000083-47-6 | 99 |
| 2 | .beta.-Sitosterol | 414 | C29H50O | 000083-46-5 | 96 |
| 3 | .beta.-Sitosterol | 414 | C29H50O | 000083-46-5 | 55 |
| 4 | .gamma.-Sitosterol | 414 | C29H50O | 000083-47-6 | 38 |
| 5 | .beta.-Sitosterol | 414 | C29H50O | 000083-46-5 | 25 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

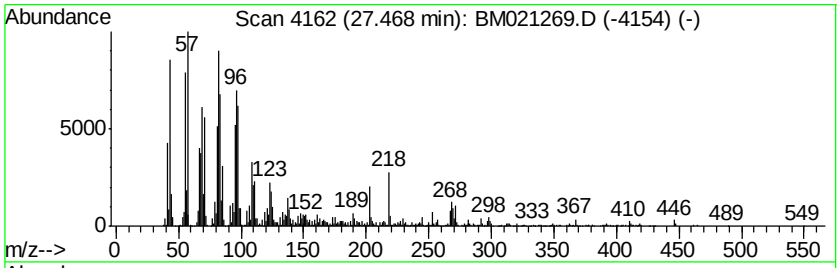
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

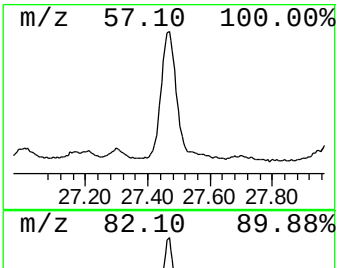
**********

Peak Number 38 1,19-Eicosadiene Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 27.47 | 35.95 ng/ul | 5683630 | Perylene-d12 | 23.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,19-Eicosadiene | 278 | C20H38 | 014811-95-1 | 89 |
| 2 | Oxirane, heptadecyl- | 282 | C19H38O | 067860-04-2 | 78 |
| 3 | 1,15-Hexadecadiene | 222 | C16H30 | 021964-51-2 | 70 |
| 4 | 1,19-Eicosadiene | 278 | C20H38 | 014811-95-1 | 64 |
| 5 | 1,13-Tetradecadiene | 194 | C14H26 | 021964-49-8 | 58 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
Quant Title : SVOA CALIBRATION

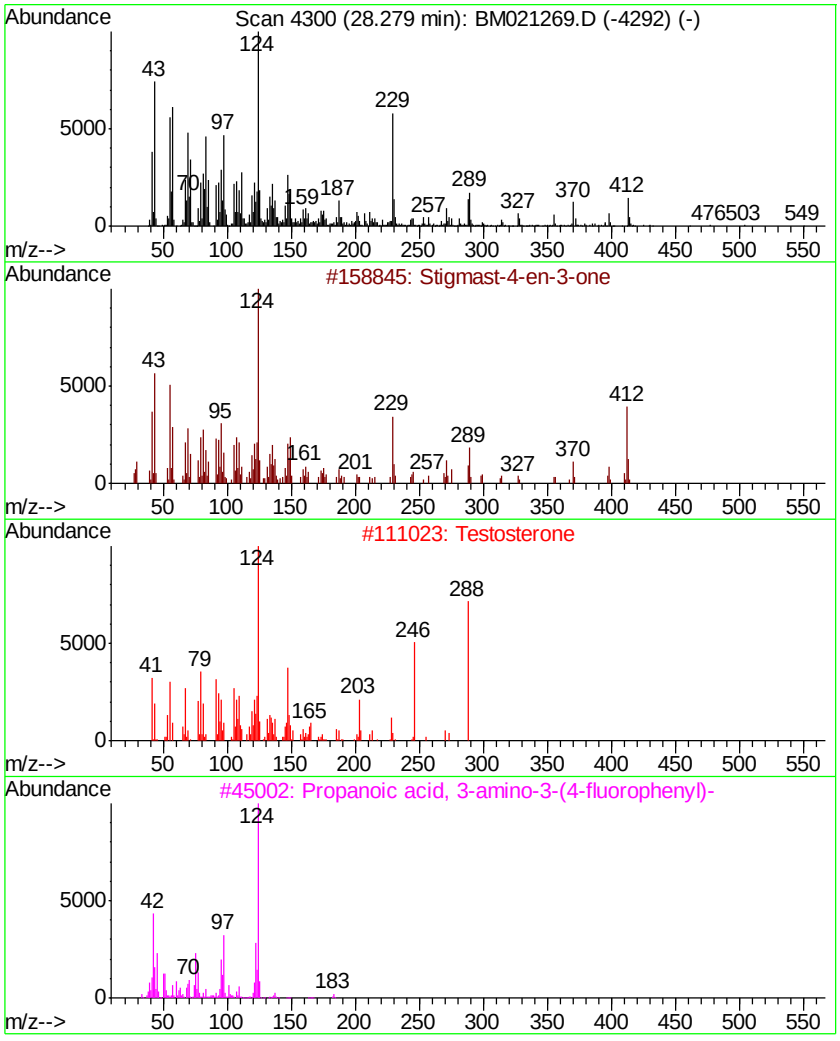
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

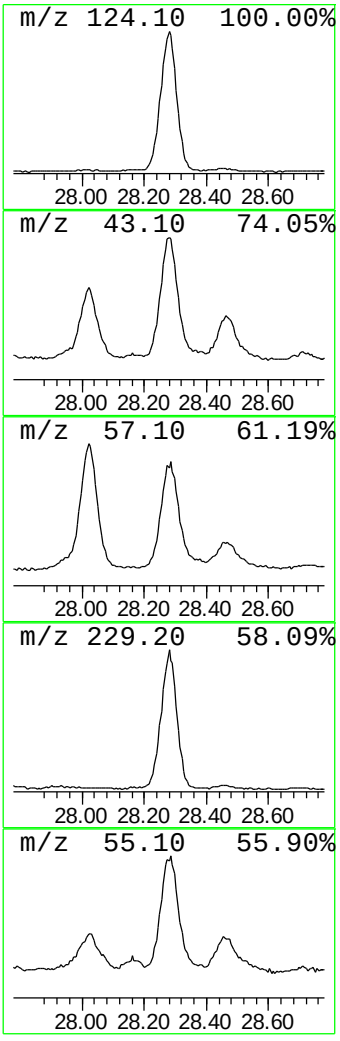
**********

Peak Number 39 Stigmast-4-en-3-one Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 28.28 | 39.06 ng/ul | 6174490 | Perylene-d12 | 23.61 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Stigmast-4-en-3-one | 412 | C29H48O | 001058-61-3 | 93 |
| 2 | Testosterone | 288 | C19H28O2 | 000058-22-0 | 59 |
| 3 | Propanoic acid, 3-amino-3-(4-flu... | 183 | C9H10FNO2 | 000325-89-3 | 43 |
| 4 | Androst-4-en-3-one, 17-hydroxy-,... | 288 | C19H28O2 | 000604-39-7 | 38 |
| 5 | Cholest-5-en-3-one, 4,4-dimethyl- | 412 | C29H48O | 002220-42-0 | 38 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM062919\
Data File : BM021269.D
Acq On : 29 Jun 2019 19:28
Operator : HP/JU
Sample : K3593-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C6BA8

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.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 |
| Butane, 2-methoxy... | 3.02 | 36.3 | ng/ul | 2965440 | 1 | 7.76 | 1631870 | 20.0 |
| Hexanal | 4.35 | 5.0 | ng/ul | 410882 | 1 | 7.76 | 1631870 | 20.0 |
| Cyclotrisiloxane,... | 4.40 | 5.2 | ng/ul | 420547 | 1 | 7.76 | 1631870 | 20.0 |
| Heptanal | 5.83 | 2.7 | ng/ul | 221803 | 1 | 7.76 | 1631870 | 20.0 |
| Cyclotetrasiloxan... | 6.86 | 4.2 | ng/ul | 341575 | 1 | 7.76 | 1631870 | 20.0 |
| Benzene, 1-methyl... | 7.89 | 8.9 | ng/ul | 730037 | 1 | 7.76 | 1631870 | 20.0 |
| Eucalyptol | 8.06 | 6.2 | ng/ul | 505828 | 1 | 7.76 | 1631870 | 20.0 |
| 2-Octenal, (E)- | 8.36 | 2.8 | ng/ul | 228568 | 1 | 7.76 | 1631870 | 20.0 |
| (DEL) Alkane: Cyc... | 9.07 | 2.8 | ng/ul | 230429 | 1 | 7.76 | 1631870 | 20.0 |
| Bicyclo[3.1.0]hex... | 9.25 | 5.5 | ng/ul | 682477 | 2 | 10.55 | 2502450 | 20.0 |
| Cyclopentasiloxan... | 9.29 | 2.0 | ng/ul | 254876 | 2 | 10.55 | 2502450 | 20.0 |
| Oxirane, heptadecyl- | 15.96 | 2.5 | ng/ul | 520586 | 4 | 17.15 | 4226020 | 20.0 |
| Hexadecenoic acid... | 17.93 | 3.3 | ng/ul | 691988 | 4 | 17.15 | 4226020 | 20.0 |
| n-Hexadecanoic acid | 18.05 | 29.9 | ng/ul | 6307730 | 4 | 17.15 | 4226020 | 20.0 |
| 4H-Cyclopenta[def... | 18.22 | 2.4 | ng/ul | 502000 | 4 | 17.15 | 4226020 | 20.0 |
| 17-Norkaur-15-ene... | 18.34 | 7.8 | ng/ul | 1650580 | 4 | 17.15 | 4226020 | 20.0 |
| Phytol | 19.06 | 8.7 | ng/ul | 1837300 | 4 | 17.15 | 4226020 | 20.0 |
| Octadecanoic acid | 19.32 | 4.7 | ng/ul | 1523050 | 5 | 21.33 | 6499960 | 20.0 |
| Pyrene, 1-methyl- | 20.07 | 4.9 | ng/ul | 1590590 | 5 | 21.33 | 6499960 | 20.0 |
| (DEL) Alkane: Cyc... | 21.04 | 9.6 | ng/ul | 3133510 | 5 | 21.33 | 6499960 | 20.0 |
| (DEL) Alkane: Str... | 21.47 | 3.1 | ng/ul | 1023270 | 5 | 21.33 | 6499960 | 20.0 |
| Oxirane, hexadecyl- | 21.66 | 3.3 | ng/ul | 1087100 | 5 | 21.33 | 6499960 | 20.0 |
| (DEL) Alkane: Str... | 21.92 | 5.7 | ng/ul | 1865250 | 5 | 21.33 | 6499960 | 20.0 |
| (DEL) Alkane: Str... | 22.38 | 6.5 | ng/ul | 2110690 | 5 | 21.33 | 6499960 | 20.0 |
| 2,6,10,14,18,22-T... | 22.51 | 4.2 | ng/ul | 657173 | 6 | 23.61 | 3161930 | 20.0 |
| Tetradecanal | 23.17 | 3.3 | ng/ul | 522545 | 6 | 23.61 | 3161930 | 20.0 |
| Benzo[e]pyrene | 23.41 | 8.4 | ng/ul | 1324070 | 6 | 23.61 | 3161930 | 20.0 |
| Octadecanal | 23.79 | 59.5 | ng/ul | 9398900 | 6 | 23.61 | 3161930 | 20.0 |
| (DEL) Alkane: Str... | 24.13 | 78.1 | ng/ul | 12340900 | 6 | 23.61 | 3161930 | 20.0 |
| (DEL) Alkane: Cyc... | 24.22 | 48.2 | ng/ul | 7620590 | 6 | 23.61 | 3161930 | 20.0 |
| 17-(1,5-Dimethylh... | 24.88 | 31.6 | ng/ul | 4994570 | 6 | 23.61 | 3161930 | 20.0 |
| (DEL) Alkane: Str... | 25.76 | 65.1 | ng/ul | 10290700 | 6 | 23.61 | 3161930 | 20.0 |
| Stigmasterol | 26.05 | 35.3 | ng/ul | 5574280 | 6 | 23.61 | 3161930 | 20.0 |
| .gamma.-Sitosterol | 26.69 | 77.8 | ng/ul | 12298100 | 6 | 23.61 | 3161930 | 20.0 |
| 1,19-Eicosadiene | 27.47 | 36.0 | ng/ul | 5683630 | 6 | 23.61 | 3161930 | 20.0 |
| Stigmast-4-en-3-one | 28.28 | 39.1 | ng/ul | 6174490 | 6 | 23.61 | 3161930 | 20.0 |