LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

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_N\METHODS\SOM-EPA-BN021220MA.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 | 3.028 | 4 | 7 | 17 | rVB | 35872 | 55724 | 1.56% | 0.114% |
| 2 | 3.628 | 102 | 109 | 114 | rBV4 | 12496 | 20706 | 0.58% | 0.042% |
| 3 | 4.587 | 267 | 272 | 277 | rBV | 32869 | 49472 | 1.39% | 0.101% |
| 4 | 6.093 | 523 | 528 | 538 | rVB | 272858 | 396775 | 11.12% | 0.809% |
| 5 | 6.346 | 566 | 571 | 575 | rBV | 78426 | 117105 | 3.28% | 0.239% |
| 6 | 6.387 | 575 | 578 | 582 | rVB4 | 21699 | 28599 | 0.80% | 0.058% |
| 7 | 6.587 | 606 | 612 | 624 | rBV | 551779 | 966761 | 27.09% | 1.972% |
| 8 | 6.746 | 634 | 639 | 647 | rBV | 395925 | 629801 | 17.65% | 1.285% |
| 9 | 6.828 | 647 | 653 | 659 | rVB | 632865 | 921456 | 25.82% | 1.880% |
| 10 | 6.928 | 664 | 670 | 683 | rVV | 568355 | 924786 | 25.92% | 1.887% |
| 11 | 7.281 | 724 | 730 | 739 | rVB | 240988 | 363299 | 10.18% | 0.741% |
| 12 | 7.387 | 741 | 748 | 756 | rBV | 346235 | 555238 | 15.56% | 1.133% |
| 13 | 7.522 | 766 | 771 | 776 | rVV3 | 24460 | 35909 | 1.01% | 0.073% |
| 14 | 7.599 | 780 | 784 | 791 | rBV2 | 55410 | 85484 | 2.40% | 0.174% |
| 15 | 8.099 | 863 | 869 | 883 | rBV | 559771 | 944126 | 26.46% | 1.926% |
| 16 | 8.528 | 931 | 942 | 952 | rBV | 548289 | 934950 | 26.20% | 1.907% |
| 17 | 9.240 | 1056 | 1063 | 1074 | rBV | 461597 | 783549 | 21.96% | 1.599% |
| 18 | 9.557 | 1112 | 1117 | 1122 | rVV6 | 12956 | 20316 | 0.57% | 0.041% |
| 19 | 9.775 | 1144 | 1154 | 1174 | rBV | 594038 | 1141750 | 32.00% | 2.329% |
| 20 | 9.940 | 1177 | 1182 | 1188 | rVB | 28760 | 44167 | 1.24% | 0.090% |
| 21 | 10.057 | 1198 | 1202 | 1206 | rBV2 | 7211 | 12264 | 0.34% | 0.025% |
| 22 | 10.128 | 1208 | 1214 | 1223 | rVB | 458467 | 768677 | 21.54% | 1.568% |
| 23 | 10.287 | 1235 | 1241 | 1255 | rBV | 307514 | 692788 | 19.41% | 1.413% |
| 24 | 11.304 | 1410 | 1414 | 1419 | rVB4 | 8866 | 13464 | 0.38% | 0.027% |
| 25 | 11.751 | 1485 | 1490 | 1497 | rVB6 | 8212 | 16687 | 0.47% | 0.034% |
| 26 | 12.369 | 1590 | 1595 | 1601 | rVB2 | 23349 | 34616 | 0.97% | 0.071% |
| 27 | 12.740 | 1652 | 1658 | 1662 | rBV2 | 161059 | 240199 | 6.73% | 0.490% |
| 28 | 12.775 | 1662 | 1664 | 1669 | rVB3 | 8961 | 13759 | 0.39% | 0.028% |
| 29 | 12.892 | 1678 | 1684 | 1689 | rBV | 352004 | 492883 | 13.81% | 1.006% |
| 30 | 12.934 | 1689 | 1691 | 1697 | rVV2 | 33252 | 48347 | 1.35% | 0.099% |
| 31 | 13.016 | 1699 | 1705 | 1710 | rVV6 | 13112 | 24008 | 0.67% | 0.049% |
| 32 | 13.339 | 1755 | 1760 | 1769 | rVB4 | 22168 | 33418 | 0.94% | 0.068% |
| 33 | 13.451 | 1769 | 1779 | 1784 | rBV | 1162232 | 1647675 | 46.17% | 3.361% |
| 34 | 13.498 | 1784 | 1787 | 1798 | rVB | 170684 | 259495 | 7.27% | 0.529% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

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_N\METHODS\SOM-EPA-BN021220MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.622 | 1803 | 1808 | 1813 | rBV3 | 17655 | 25207 | 0.71% | 0.051% |
| 36 | 13.710 | 1817 | 1823 | 1837 | rBV | 1287247 | 1875895 | 52.57% | 3.827% |
| 37 | 13.875 | 1846 | 1851 | 1856 | rVB3 | 34035 | 41024 | 1.15% | 0.084% |
| 38 | 14.022 | 1868 | 1876 | 1885 | rVV | 665775 | 1053137 | 29.51% | 2.149% |
| 39 | 14.110 | 1885 | 1891 | 1896 | rVV3 | 159445 | 257038 | 7.20% | 0.524% |
| 40 | 14.151 | 1896 | 1898 | 1907 | rVB4 | 28061 | 38960 | 1.09% | 0.079% |
| 41 | 14.275 | 1911 | 1919 | 1923 | rBV | 338865 | 616675 | 17.28% | 1.258% |
| 42 | 14.316 | 1923 | 1926 | 1930 | rVV2 | 258315 | 398412 | 11.16% | 0.813% |
| 43 | 14.351 | 1930 | 1932 | 1938 | rVV3 | 50977 | 90404 | 2.53% | 0.184% |
| 44 | 14.398 | 1938 | 1940 | 1943 | rVV4 | 21813 | 26824 | 0.75% | 0.055% |
| 45 | 14.445 | 1943 | 1948 | 1950 | rVV4 | 11899 | 20500 | 0.57% | 0.042% |
| 46 | 14.486 | 1951 | 1955 | 1961 | rVB7 | 18563 | 34727 | 0.97% | 0.071% |
| 47 | 14.604 | 1968 | 1975 | 1977 | rBV2 | 16054 | 24287 | 0.68% | 0.050% |
| 48 | 14.928 | 2025 | 2030 | 2031 | rVV4 | 14885 | 19500 | 0.55% | 0.040% |
| 49 | 14.945 | 2031 | 2033 | 2041 | rVB5 | 17769 | 28784 | 0.81% | 0.059% |
| 50 | 15.028 | 2041 | 2047 | 2054 | rBV | 1578783 | 2251486 | 63.09% | 4.593% |
| 51 | 15.186 | 2069 | 2074 | 2085 | rBV | 524328 | 836448 | 23.44% | 1.706% |
| 52 | 15.275 | 2085 | 2089 | 2092 | rVB | 14769 | 20587 | 0.58% | 0.042% |
| 53 | 15.522 | 2125 | 2131 | 2137 | rVV3 | 51741 | 104901 | 2.94% | 0.214% |
| 54 | 15.604 | 2140 | 2145 | 2150 | rBV7 | 10744 | 23555 | 0.66% | 0.048% |
| 55 | 15.692 | 2157 | 2160 | 2163 | rVB3 | 15255 | 17442 | 0.49% | 0.036% |
| 56 | 15.786 | 2172 | 2176 | 2179 | rBV2 | 9755 | 14938 | 0.42% | 0.030% |
| 57 | 15.857 | 2184 | 2188 | 2194 | rVV | 76134 | 103704 | 2.91% | 0.212% |
| 58 | 16.375 | 2273 | 2276 | 2281 | rVV3 | 10674 | 15427 | 0.43% | 0.031% |
| 59 | 16.716 | 2330 | 2334 | 2338 | rBV6 | 12454 | 18879 | 0.53% | 0.039% |
| 60 | 16.780 | 2340 | 2345 | 2351 | rBV | 885170 | 1202379 | 33.69% | 2.453% |
| 61 | 16.880 | 2356 | 2362 | 2373 | rBV2 | 1701709 | 2443077 | 68.46% | 4.984% |
| 62 | 17.198 | 2413 | 2416 | 2422 | rBV3 | 24285 | 36963 | 1.04% | 0.075% |
| 63 | 17.398 | 2446 | 2450 | 2456 | rVB4 | 22365 | 28808 | 0.81% | 0.059% |
| 64 | 17.657 | 2489 | 2494 | 2498 | rVB6 | 14363 | 23489 | 0.66% | 0.048% |
| 65 | 17.716 | 2498 | 2504 | 2510 | rBV | 393922 | 570853 | 16.00% | 1.165% |
| 66 | 17.775 | 2511 | 2514 | 2518 | rVB | 57089 | 79916 | 2.24% | 0.163% |
| 67 | 17.986 | 2545 | 2550 | 2560 | rVB6 | 102095 | 162171 | 4.54% | 0.331% |
| 68 | 18.133 | 2571 | 2575 | 2580 | rBV8 | 31275 | 53384 | 1.50% | 0.109% |
| 69 | 18.239 | 2589 | 2593 | 2602 | rBV | 60968 | 115090 | 3.23% | 0.235% |
| 70 | 18.457 | 2615 | 2630 | 2631 | rBV10 | 55668 | 153039 | 4.29% | 0.312% |
| 71 | 18.580 | 2638 | 2651 | 2660 | rBV2 | 149194 | 516200 | 14.47% | 1.053% |

LSC Area Percent Report

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Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

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_N\METHODS\SOM-EPA-BN021220MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 19.192 | 2750 | 2755 | 2768 | rVB | 2264925 | 3568517 | 100.00% | 7.280% |
| 73 | 19.745 | 2846 | 2849 | 2852 | rVV2 | 64240 | 70195 | 1.97% | 0.143% |
| 74 | 19.780 | 2852 | 2855 | 2858 | rVV | 112847 | 115646 | 3.24% | 0.236% |
| 75 | 19.810 | 2858 | 2860 | 2865 | rVB4 | 29934 | 29117 | 0.82% | 0.059% |
| 76 | 20.216 | 2926 | 2929 | 2934 | rBV7 | 32083 | 39086 | 1.10% | 0.080% |
| 77 | 20.280 | 2934 | 2940 | 2944 | rBV | 147986 | 186839 | 5.24% | 0.381% |
| 78 | 20.739 | 3014 | 3018 | 3025 | rVB | 1256567 | 1468364 | 41.15% | 2.996% |
| 79 | 20.939 | 3049 | 3052 | 3057 | rVB | 106119 | 126514 | 3.55% | 0.258% |
| 80 | 21.004 | 3057 | 3063 | 3074 | rBV | 1074429 | 1531445 | 42.92% | 3.124% |
| 81 | 21.186 | 3090 | 3094 | 3099 | rBV | 285619 | 282634 | 7.92% | 0.577% |
| 82 | 21.604 | 3161 | 3165 | 3176 | rBV2 | 523174 | 915451 | 25.65% | 1.868% |
| 83 | 21.792 | 3194 | 3197 | 3201 | rBV2 | 76890 | 89270 | 2.50% | 0.182% |
| 84 | 22.033 | 3234 | 3238 | 3242 | rBV | 442555 | 565234 | 15.84% | 1.153% |
| 85 | 22.145 | 3255 | 3257 | 3261 | rVB2 | 52590 | 52294 | 1.47% | 0.107% |
| 86 | 22.498 | 3312 | 3317 | 3321 | rBV | 800545 | 1142066 | 32.00% | 2.330% |
| 87 | 22.539 | 3321 | 3324 | 3334 | rVB2 | 255312 | 385163 | 10.79% | 0.786% |
| 88 | 22.968 | 3391 | 3397 | 3402 | rBV | 1726522 | 2838434 | 79.54% | 5.791% |
| 89 | 23.015 | 3402 | 3405 | 3412 | rVV | 455947 | 707645 | 19.83% | 1.444% |
| 90 | 23.098 | 3413 | 3419 | 3426 | rVB2 | 707417 | 1358540 | 38.07% | 2.772% |
| 91 | 23.245 | 3440 | 3444 | 3449 | rBV6 | 72308 | 116215 | 3.26% | 0.237% |
| 92 | 23.598 | 3499 | 3504 | 3511 | rBV | 574584 | 948436 | 26.58% | 1.935% |
| 93 | 23.668 | 3511 | 3516 | 3528 | rVB | 521803 | 978440 | 27.42% | 1.996% |
| 94 | 24.262 | 3611 | 3617 | 3623 | rVB | 291605 | 654383 | 18.34% | 1.335% |
| 95 | 24.662 | 3681 | 3685 | 3693 | rVB4 | 119219 | 234497 | 6.57% | 0.478% |
| 96 | 24.968 | 3732 | 3737 | 3743 | rBV3 | 146152 | 296023 | 8.30% | 0.604% |
| 97 | 25.039 | 3745 | 3749 | 3761 | rVB3 | 174689 | 586848 | 16.45% | 1.197% |
| 98 | 25.162 | 3764 | 3770 | 3780 | rVB | 330158 | 765238 | 21.44% | 1.561% |
| 99 | 25.821 | 3874 | 3882 | 3894 | rVB2 | 684458 | 1796422 | 50.34% | 3.665% |
| 100 | 26.633 | 4013 | 4020 | 4027 | rVB8 | 175488 | 505833 | 14.17% | 1.032% |

Sum of corrected areas: 49017152

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
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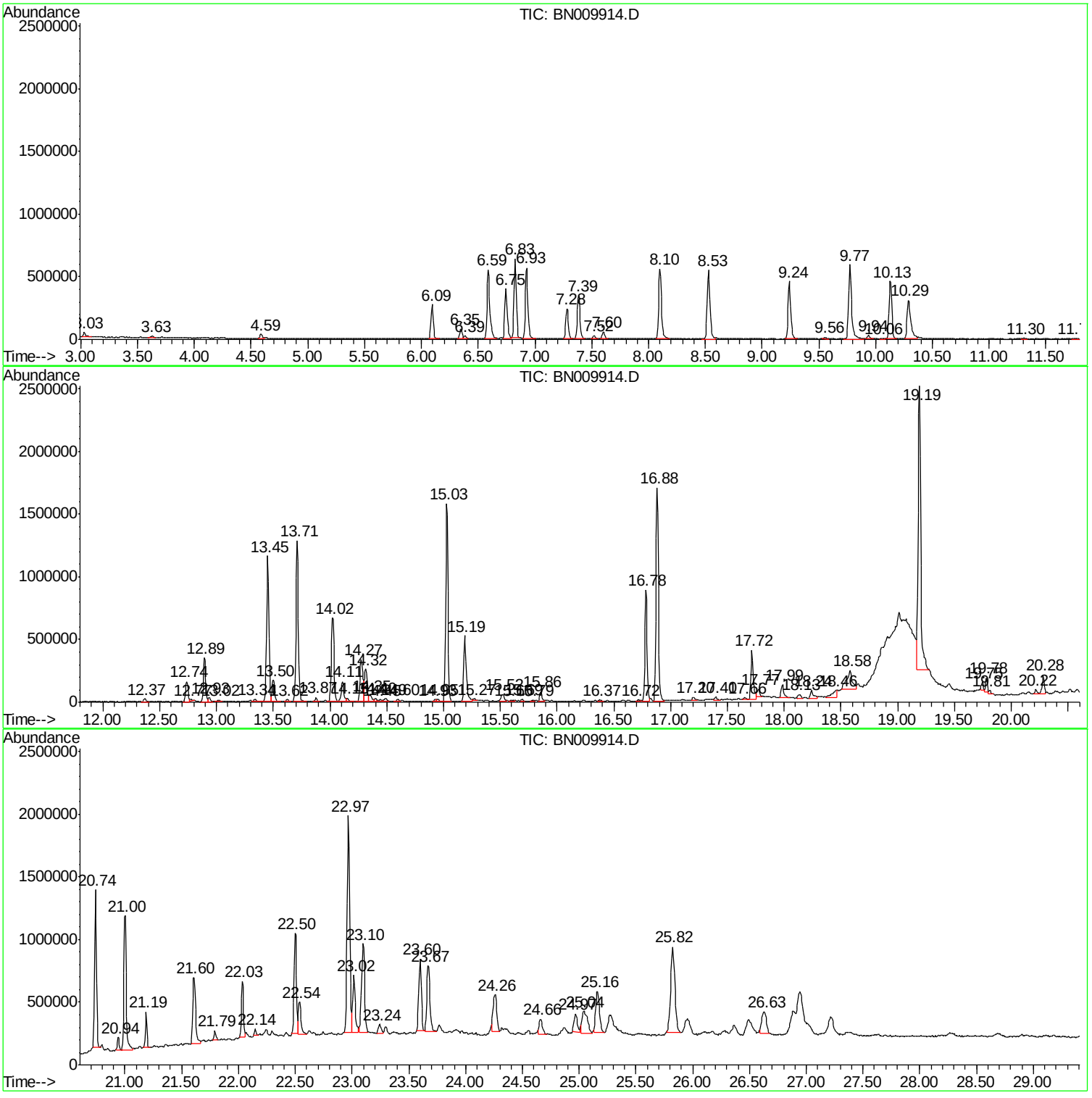
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

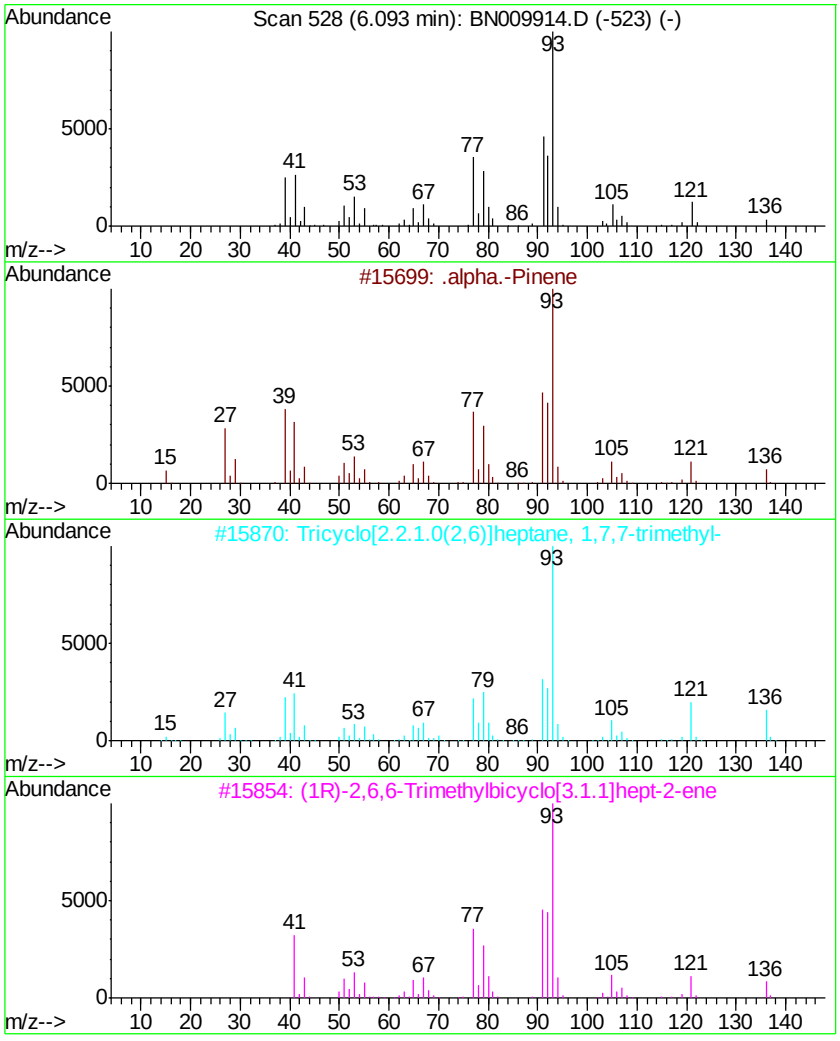
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

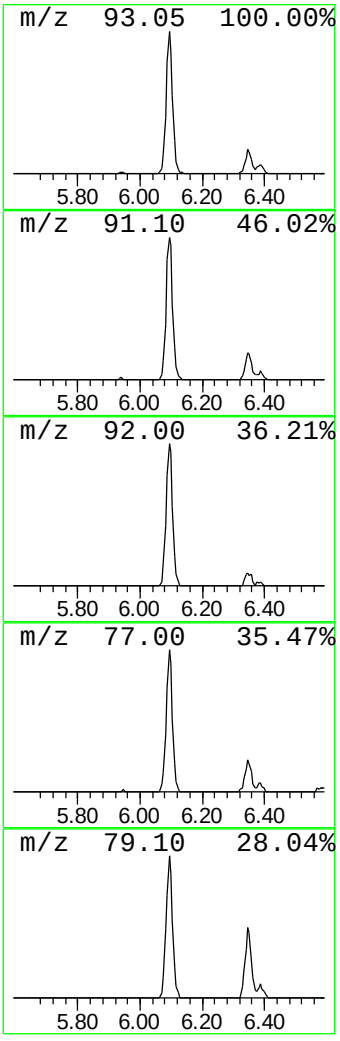
**********

Peak Number 1 .alpha.-Pinene Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.09 | 14.29 ng/ul | 396775 | 1,4-Dichlorobenzene-d4 | 7.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .alpha.-Pinene | 136 | C10H16 | 000080-56-8 | 94 |
| 2 | Tricyclo[2.2.1.0(2,6)]heptane, 1... | 136 | C10H16 | 000508-32-7 | 91 |
| 3 | (1R)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16 | 007785-70-8 | 91 |
| 4 | (1S)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16 | 007785-26-4 | 90 |
| 5 | .alpha.-Pinene | 136 | C10H16 | 000080-56-8 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

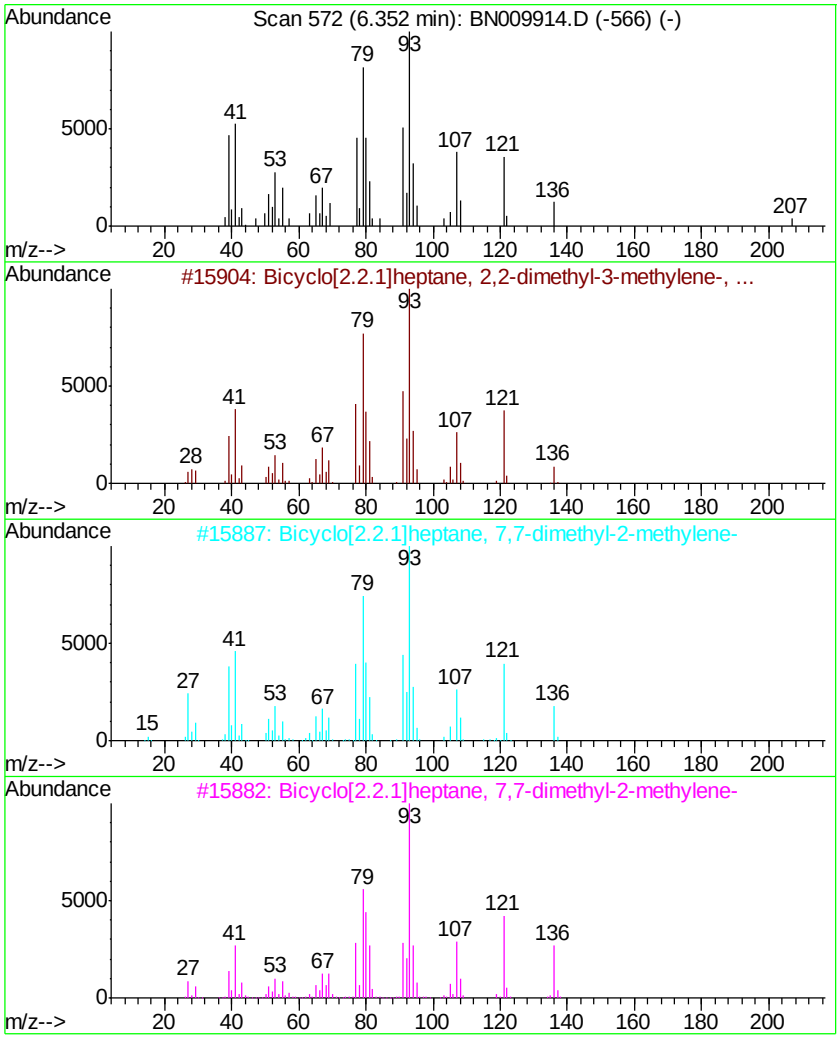
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

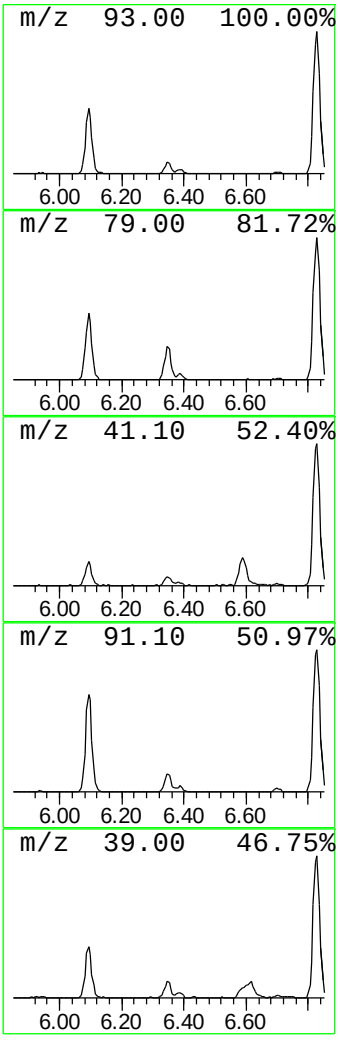
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Bicyclo[2.2.1]heptane, 2,2-... Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.35 | 4.22 ng/ul | 117105 | 1,4-Dichlorobenzene-d4 | 7.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[2.2.1]heptane, 2,2-dimet... | 136 | C10H16 | 005794-03-6 | 98 |
| 2 | Bicyclo[2.2.1]heptane, 7,7-dimet... | 136 | C10H16 | 000471-84-1 | 96 |
| 3 | Bicyclo[2.2.1]heptane, 7,7-dimet... | 136 | C10H16 | 000471-84-1 | 81 |
| 4 | Cyclobutane, 2-ethylidene-1-vinyl- | 108 | C8H12 | 1000150-32-4 | 72 |
| 5 | 1,5-Heptadiene, 2,5-dimethyl-3-m... | 136 | C10H16 | 074663-83-5 | 64 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
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Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

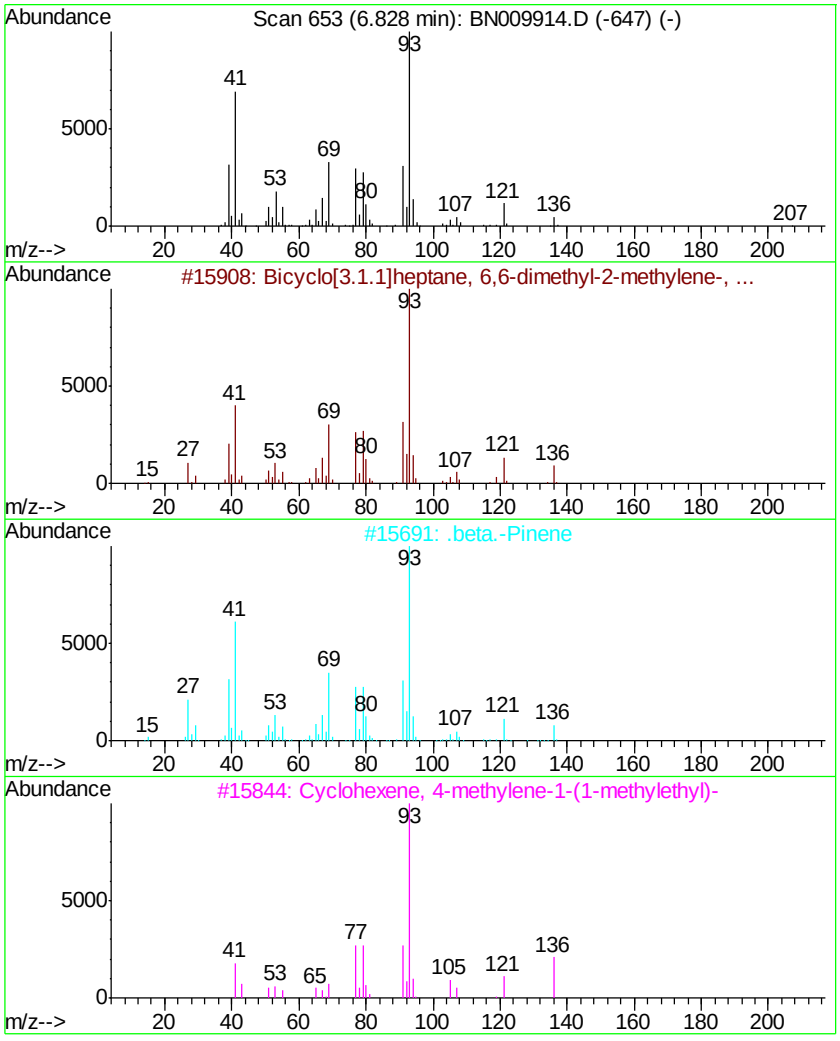
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

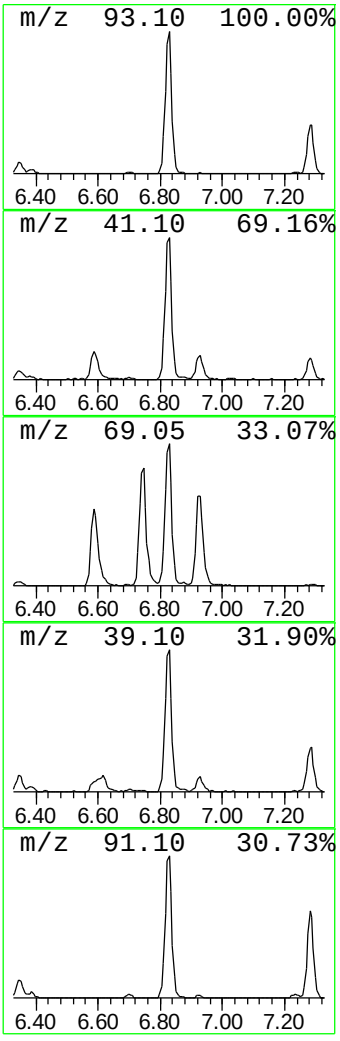
**********

Peak Number 3 Bicyclo[3.1.1]heptane, 6,6-... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.83 | 33.19 ng/ul | 921456 | 1,4-Dichlorobenzene-d4 | 7.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Bicyclo[3.1.1]heptane, 6,6-dimet... | 136 | C10H16 | 018172-67-3 | 91 |
| 2 | .beta.-Pinene | 136 | C10H16 | 000127-91-3 | 91 |
| 3 | Cyclohexene, 4-methylene-1-(1-me... | 136 | C10H16 | 000099-84-3 | 91 |
| 4 | .beta.-Pinene | 136 | C10H16 | 000127-91-3 | 91 |
| 5 | .beta.-Pinene | 136 | C10H16 | 000127-91-3 | 87 |



Library Search Compound Report

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ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

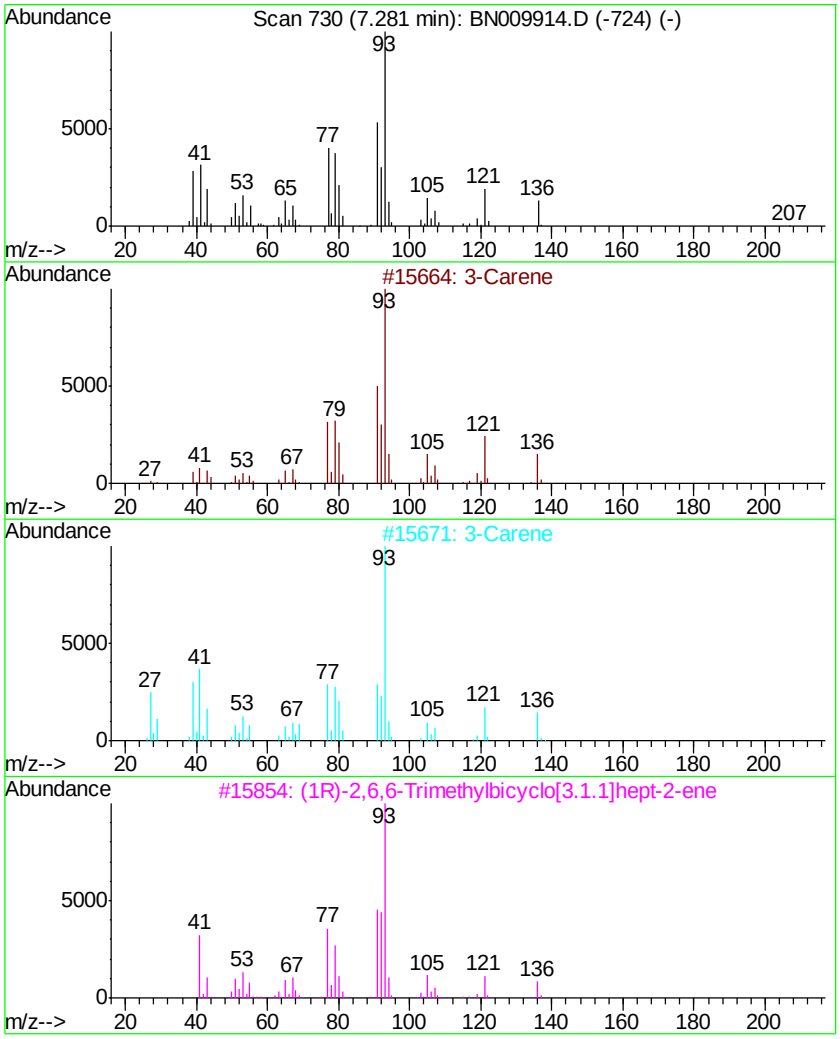
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

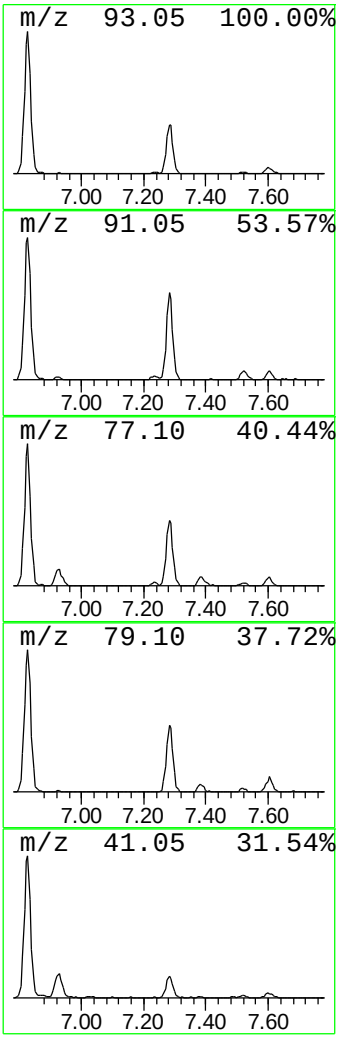
**********

Peak Number 4 3-Carene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.28 | 13.09 ng/ul | 363299 | 1,4-Dichlorobenzene-d4 | 7.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Carene | 136 | C10H16 | 013466-78-9 | 96 |
| 2 | 3-Carene | 136 | C10H16 | 013466-78-9 | 93 |
| 3 | (1R)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16 | 007785-70-8 | 91 |
| 4 | Cyclopropane, 1,1-dimethyl-2-(3-... | 136 | C10H16 | 068998-21-0 | 91 |
| 5 | (1S)-2,6,6-Trimethylbicyclo[3.1.... | 136 | C10H16 | 007785-26-4 | 91 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
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Acq On : 25 Feb 2020 23:31
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Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

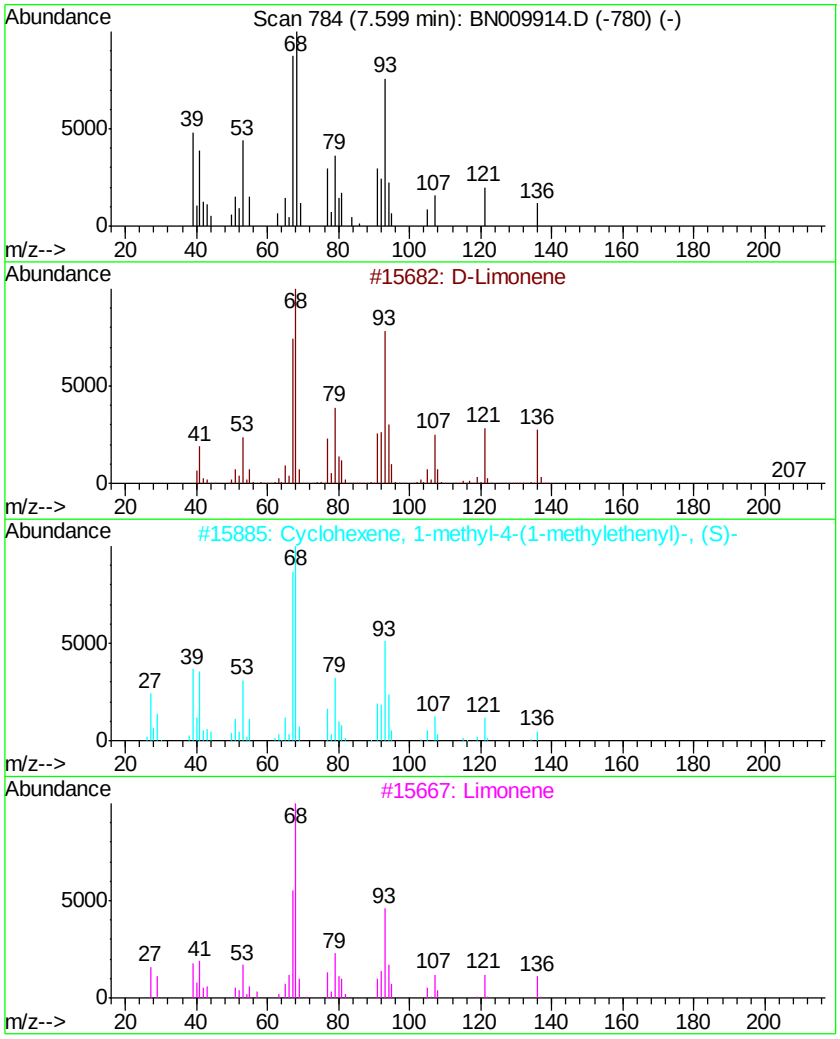
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

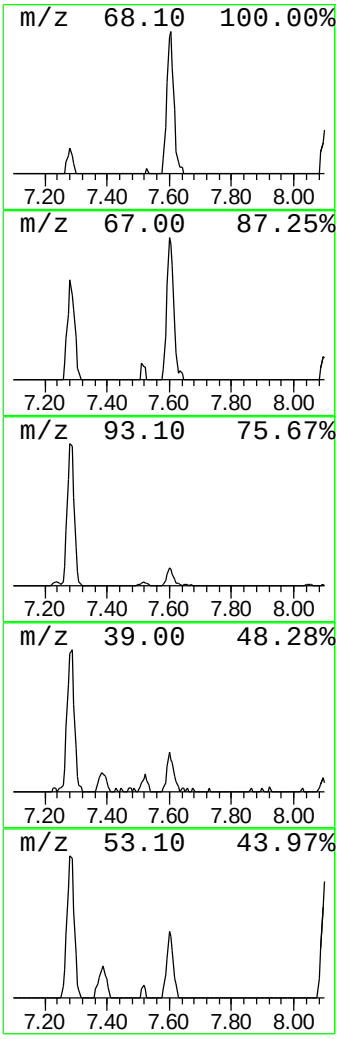
**********

Peak Number 5 D-Limonene Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.60 | 3.08 ng/ul | 85484 | 1,4-Dichlorobenzene-d4 | 7.39 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | D-Limonene | 136 | C10H16 | 005989-27-5 | 94 |
| 2 | Cyclohexene, 1-methyl-4-(1-methy... | 136 | C10H16 | 005989-54-8 | 64 |
| 3 | Limonene | 136 | C10H16 | 000138-86-3 | 60 |
| 4 | 1,4-Pentadiene | 68 | C5H8 | 000591-93-5 | 52 |
| 5 | D-Limonene | 136 | C10H16 | 005989-27-5 | 49 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

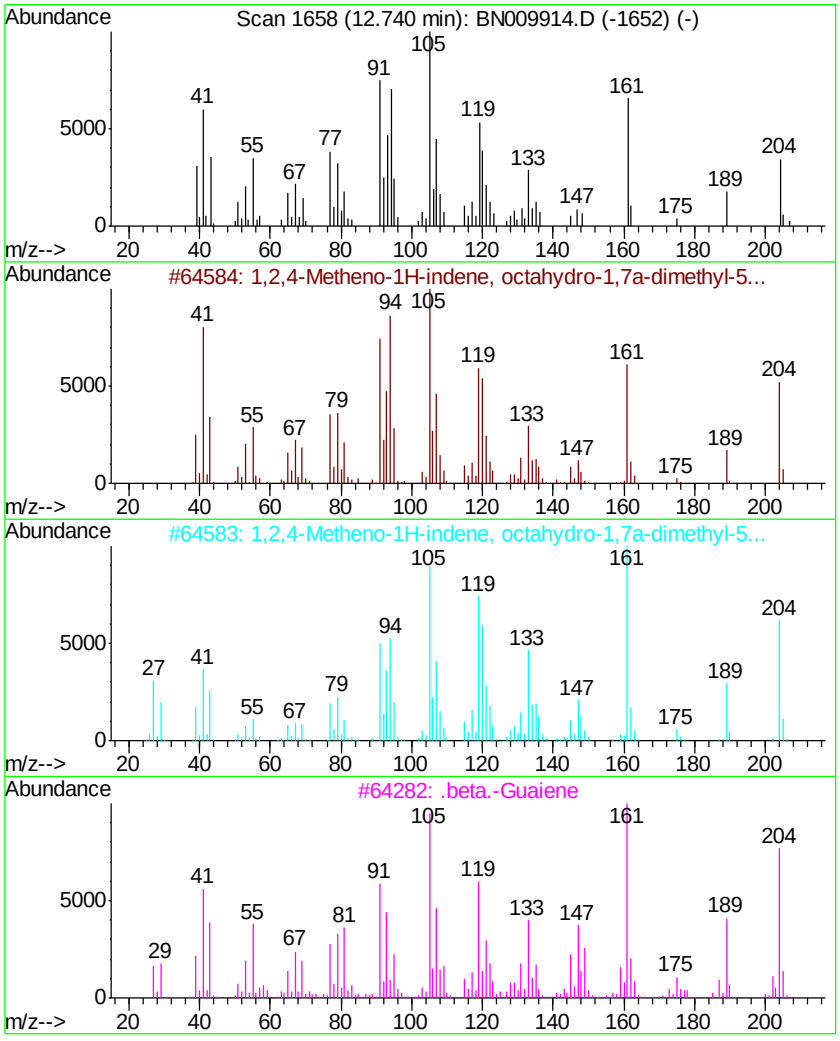
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

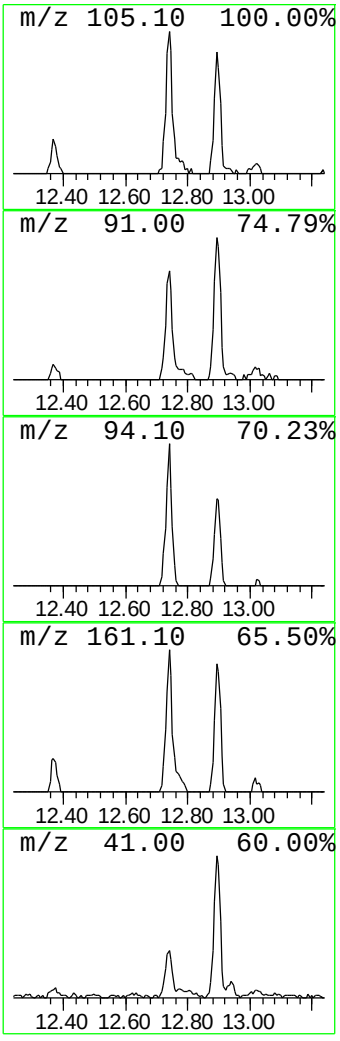
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 1,2,4-Metheno-1H-indene, oc... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.74 | 4.56 ng/ul | 240199 | Acenaphthene-d10 | 14.03 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2,4-Metheno-1H-indene, octahyd... | 204 | C15H24 | 022469-52-9 | 98 |
| 2 | 1,2,4-Metheno-1H-indene, octahyd... | 204 | C15H24 | 022469-52-9 | 95 |
| 3 | .beta.-Guaiene | 204 | C15H24 | 000088-84-6 | 83 |
| 4 | 4,7-Methanoazulene, 1,2,3,4,5,6,... | 204 | C15H24 | 000514-51-2 | 78 |
| 5 | Selina-3,7(11)-diene | 204 | C15H24 | 006813-21-4 | 70 |



# Library Search Compound Report

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Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

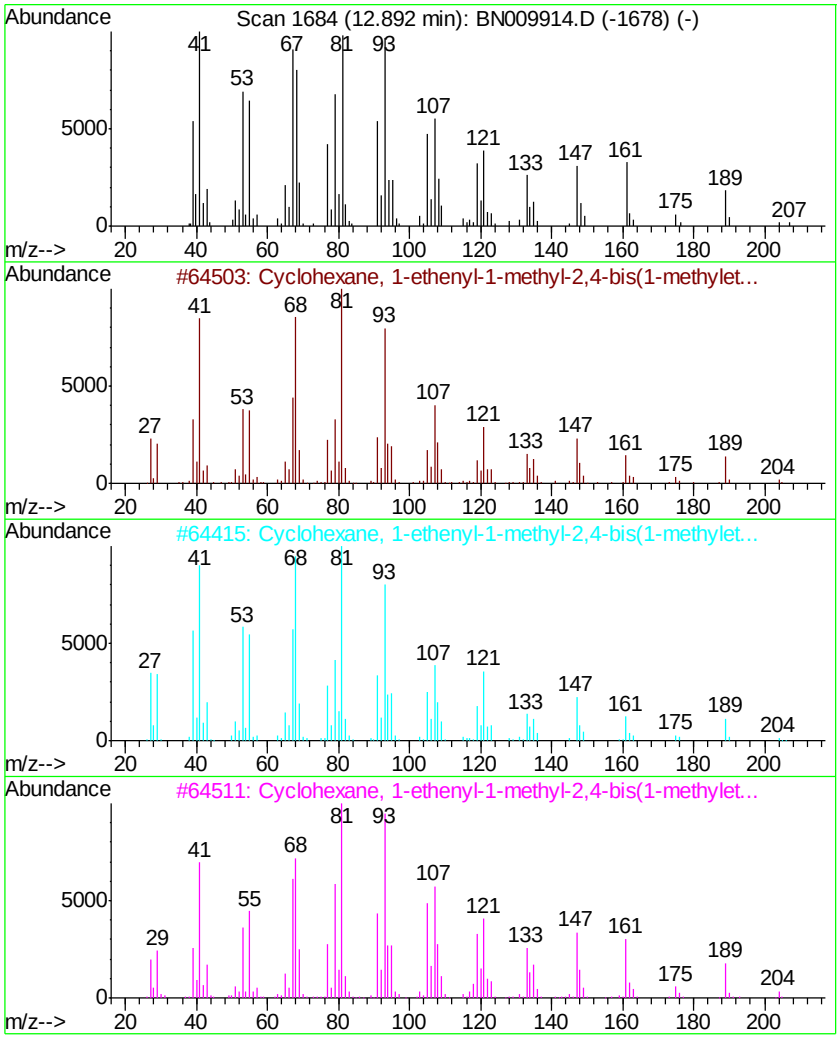
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

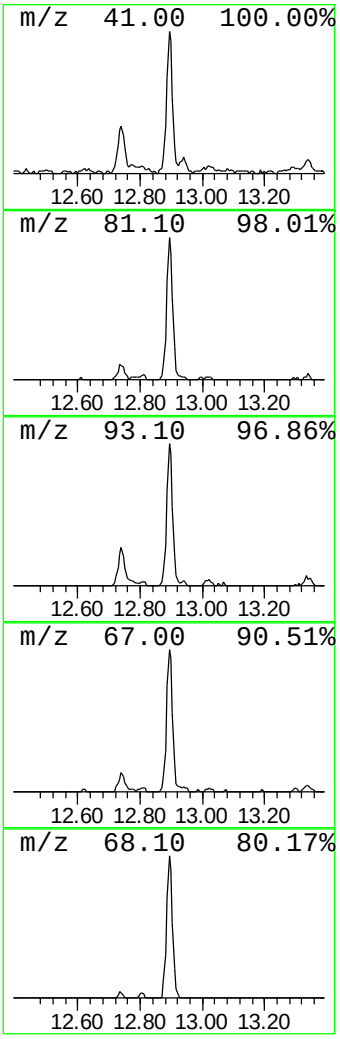
**********

Peak Number 7 Cyclohexane, 1-ethenyl-1-me... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.89 | 9.36 ng/ul | 492883 | Acenaphthene-d10 | 14.03 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1-ethenyl-1-methyl-... | 204 | C15H24 | 033880-83-0 | 95 |
| 2 | Cyclohexane, 1-ethenyl-1-methyl-... | 204 | C15H24 | 110823-68-2 | 94 |
| 3 | Cyclohexane, 1-ethenyl-1-methyl-... | 204 | C15H24 | 000515-13-9 | 70 |
| 4 | (2R,4R)-p-Mentha-[1(7),8]-diene,... | 168 | C10H16O2 | 1000292-74-1 | 52 |
| 5 | Cyclohexane, 1-ethenyl-1-methyl-... | 204 | C15H24 | 000515-13-9 | 47 |



# Library Search Compound Report

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Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

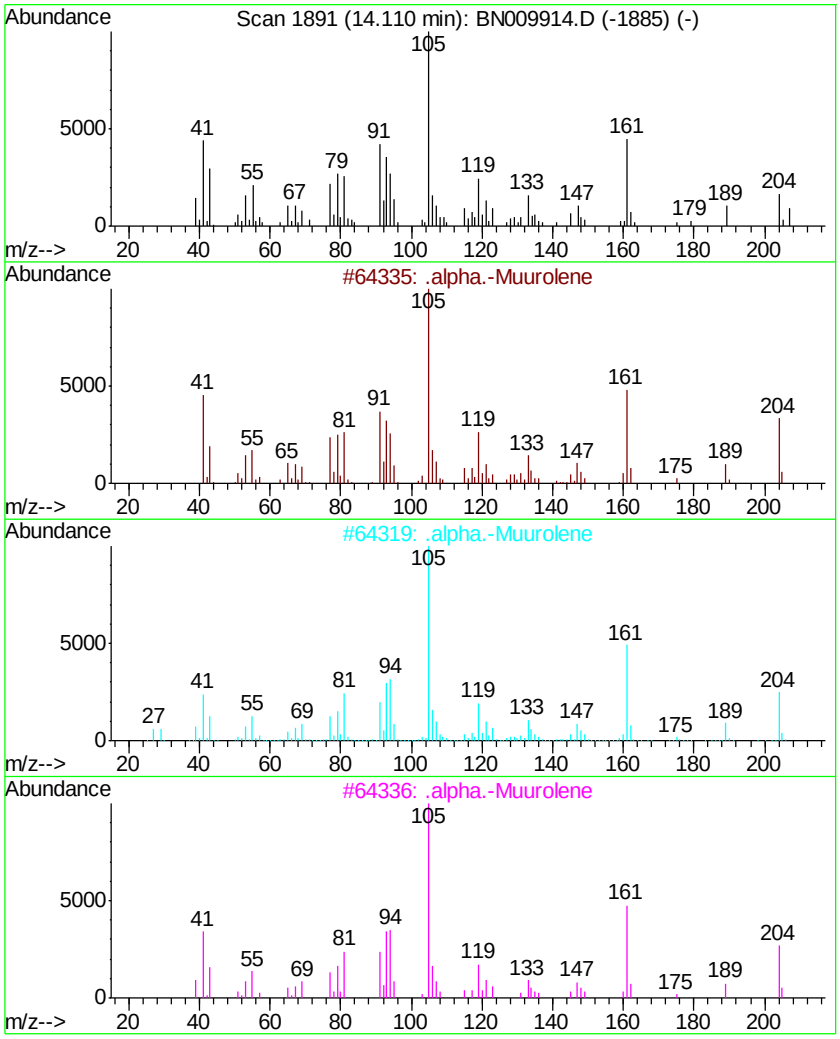
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

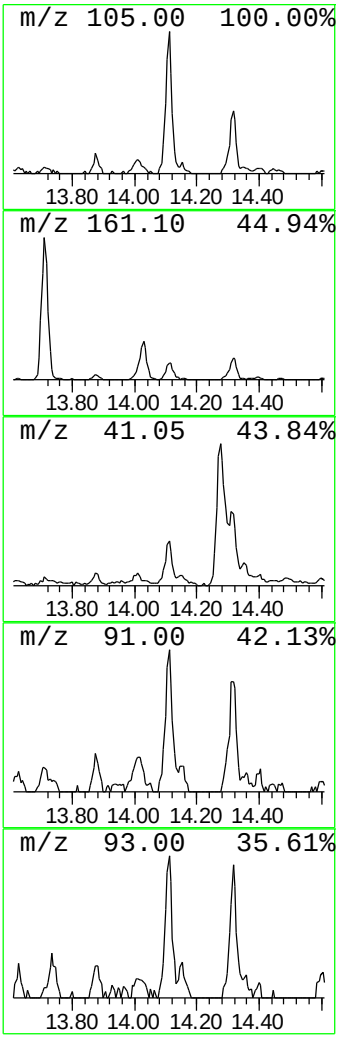
**********

Peak Number 8 .alpha.-Muurolene Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.11 | 4.88 ng/ul | 257038 | Acenaphthene-d10 | 14.03 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .alpha.-Muurolene | 204 | C15H24 | 031983-22-9 | 98 |
| 2 | .alpha.-Muurolene | 204 | C15H24 | 010208-80-7 | 97 |
| 3 | .alpha.-Muurolene | 204 | C15H24 | 031983-22-9 | 96 |
| 4 | Naphthalene, 1,2,4a,5,6,8a-hexah... | 204 | C15H24 | 000483-75-0 | 96 |
| 5 | .alpha.-Muurolene | 204 | C15H24 | 031983-22-9 | 96 |



# Library Search Compound Report

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Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

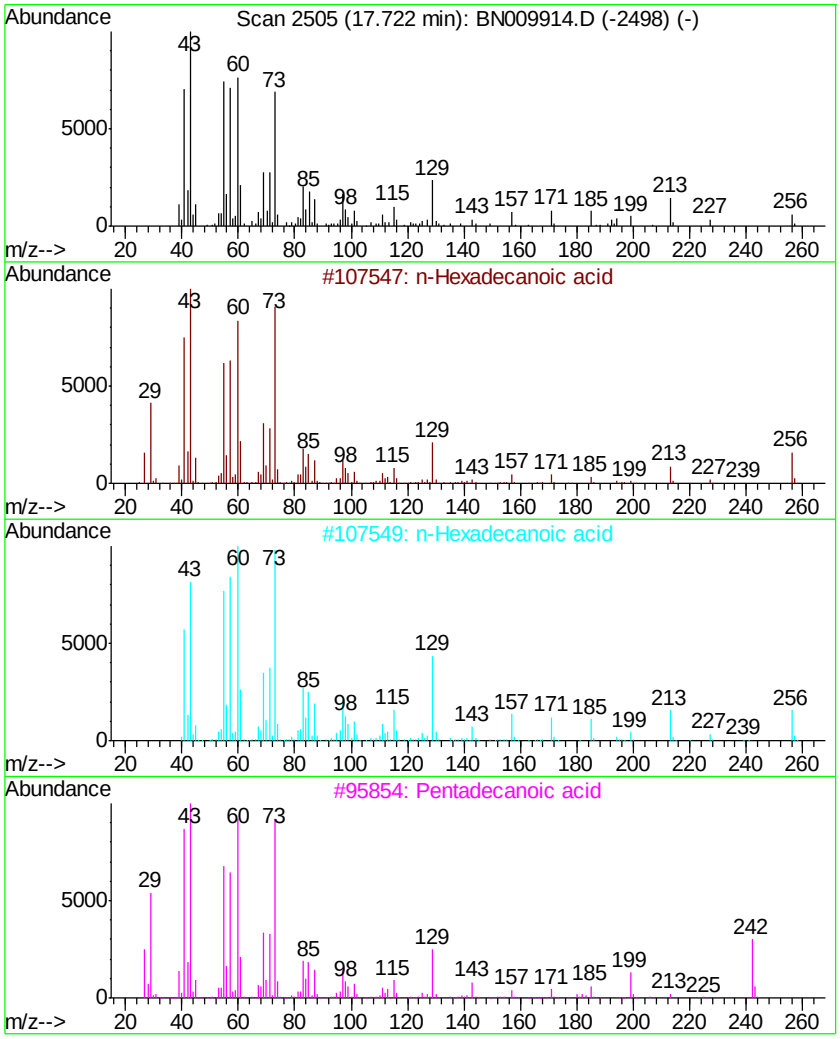
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

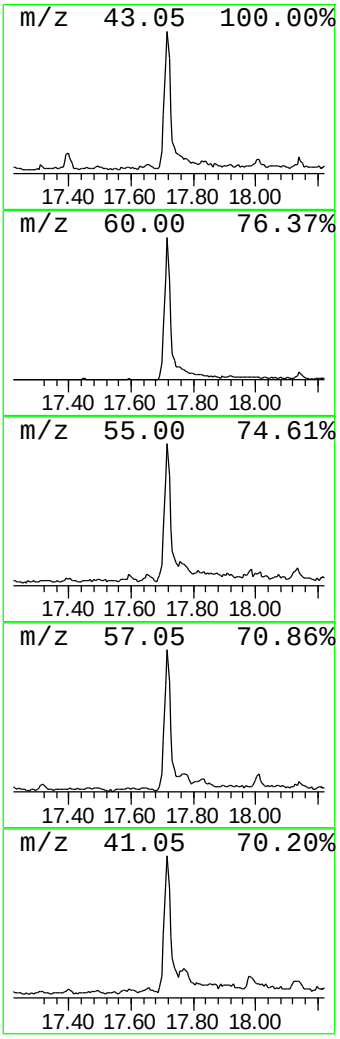
**********

Peak Number 9 n-Hexadecanoic acid Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.72 | 9.50 ng/ul | 570853 | Phenanthrene-d10 | 16.78 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 91 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 91 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 87 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 86 |
| 5 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 72 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

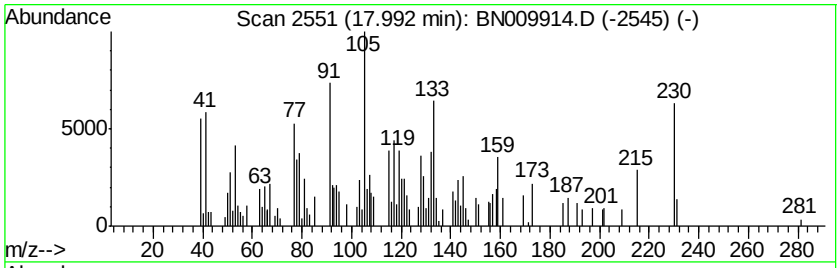
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

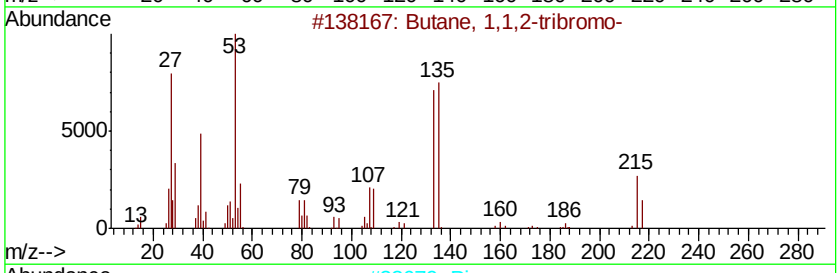
**********

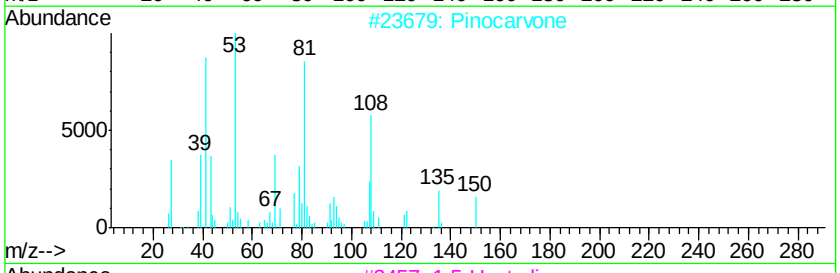
Peak Number 10 unknown-01 Concentration Rank 26

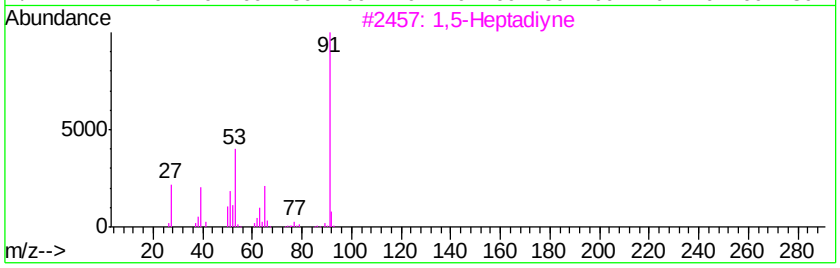
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.99 | 2.70 ng/ul | 162171 | Phenanthrene-d10 | 16.78 |

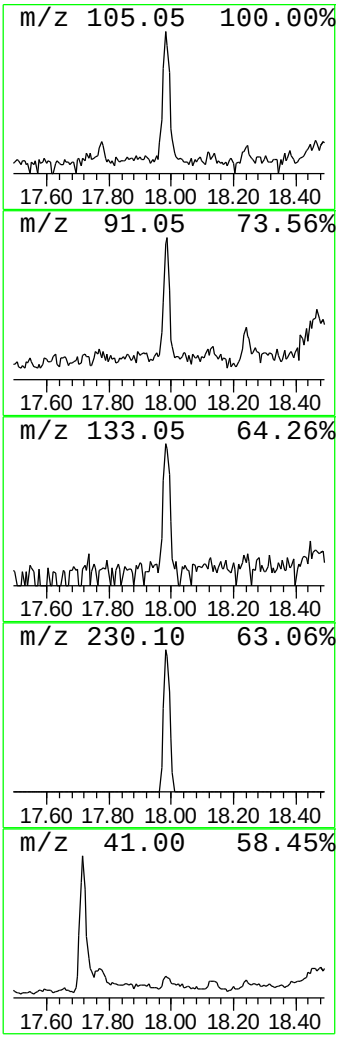
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butane, 1,1,2-tribromo- | 292 | C4H7Br3 | 003675-68-1 | 47 |
| 2 | Pinocarvone | 150 | C10H14O | 030460-92-5 | 38 |
| 3 | 1,5-Heptadiyne | 92 | C7H8 | 000764-56-7 | 38 |
| 4 | 1,5-Heptadiyne | 92 | C7H8 | 000764-56-7 | 38 |
| 5 | Butane, 2,2,3-tribromo- | 292 | C4H7Br3 | 062127-47-3 | 38 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

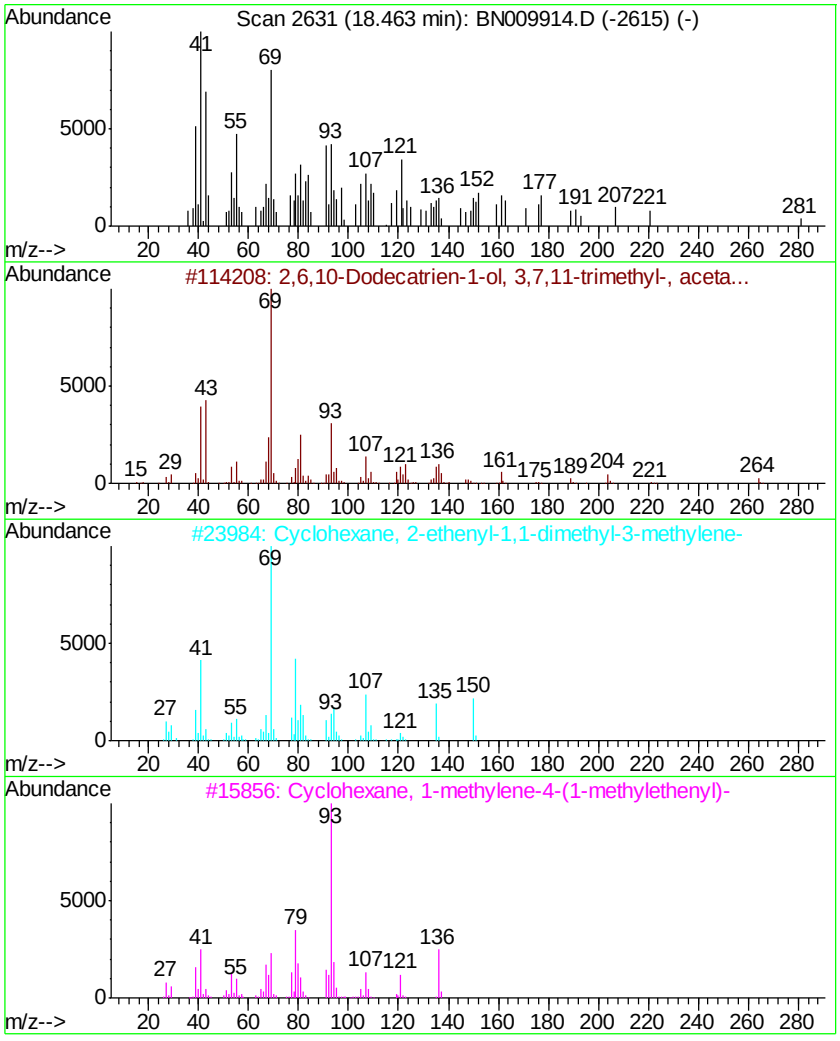
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

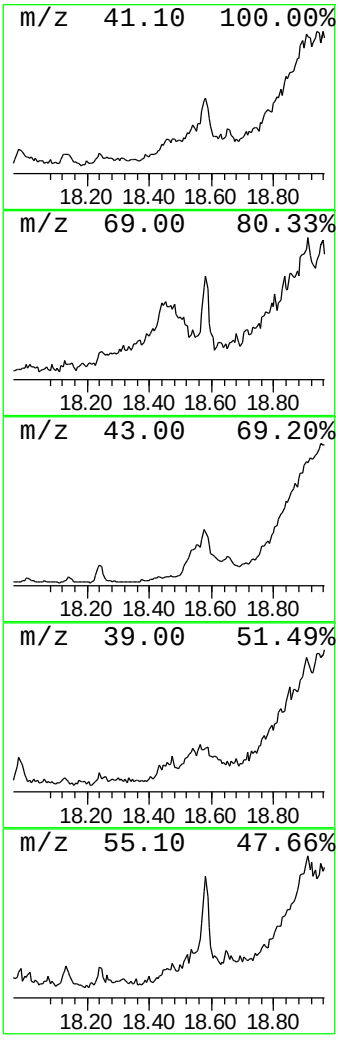
**********

Peak Number 11 unknown-02 Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.46 | 2.55 ng/ul | 153039 | Phenanthrene-d10 | 16.78 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,6,10-Dodecatrien-1-ol, 3,7,11-... | 264 | C17H28O2 | 004128-17-0 | 49 |
| 2 | Cyclohexane, 2-ethenyl-1,1-dimet... | 150 | C11H18 | 095452-08-7 | 45 |
| 3 | Cyclohexane, 1-methylene-4-(1-me... | 136 | C10H16 | 000499-97-8 | 35 |
| 4 | Cycloheptene, 5-ethylidene-1-met... | 136 | C10H16 | 015402-94-5 | 30 |
| 5 | 2,6,10-Dodecatrien-1-ol, 3,7,11-... | 264 | C17H28O2 | 004128-17-0 | 30 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

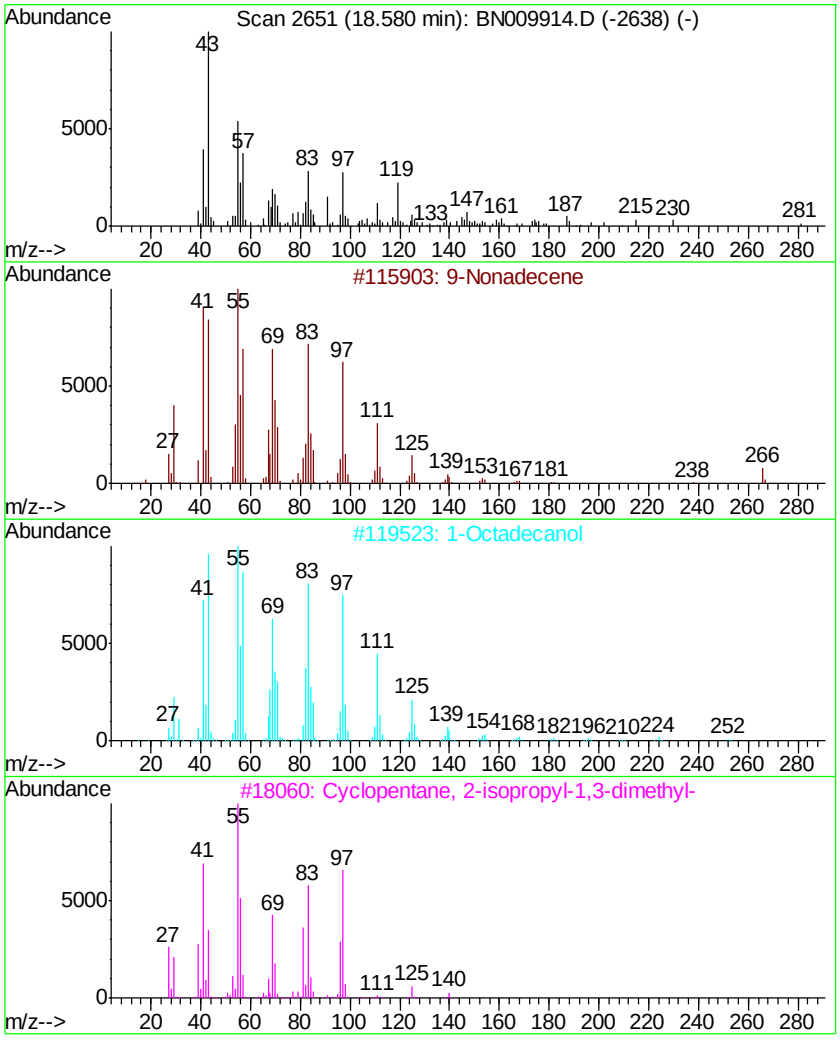
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

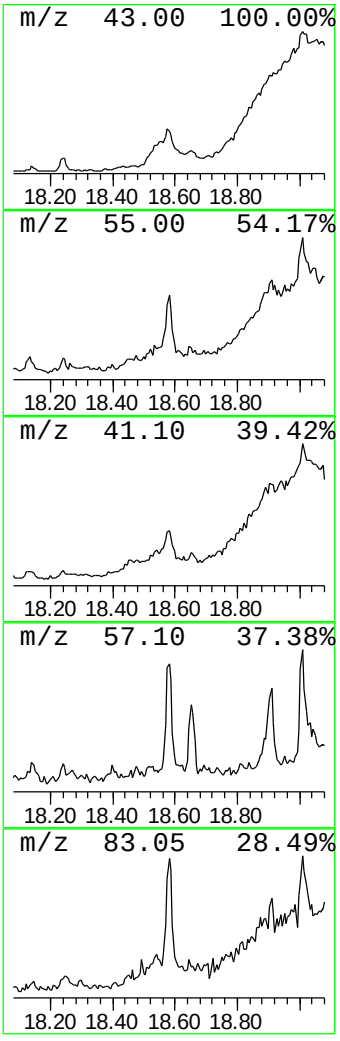
**********

Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.58 | 8.59 ng/ul | 516200 | Phenanthrene-d10 | 16.78 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Nonadecene | 266 | C19H38 | 031035-07-1 | 58 |
| 2 | 1-Octadecanol | 270 | C18H38O | 000112-92-5 | 52 |
| 3 | Cyclopentane, 2-isopropyl-1,3-di... | 140 | C10H20 | 032281-85-9 | 49 |
| 4 | Cycloeicosane | 280 | C20H40 | 000296-56-0 | 49 |
| 5 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 49 |



# Library Search Compound Report

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Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

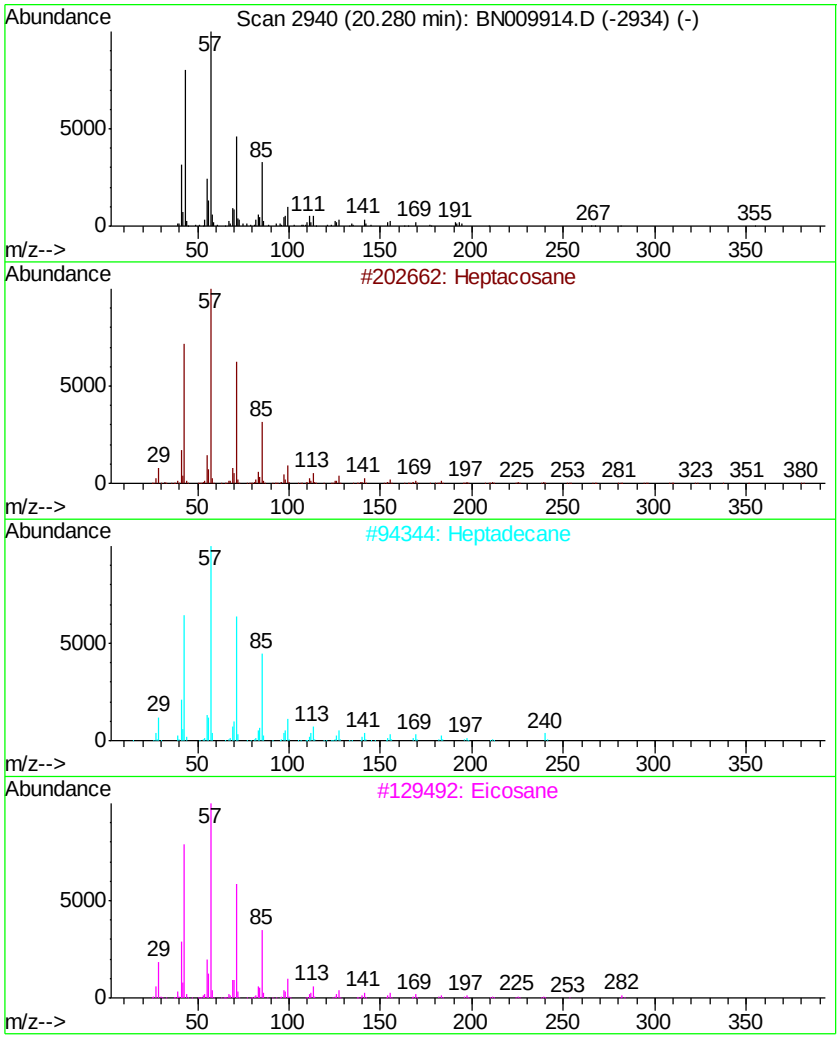
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

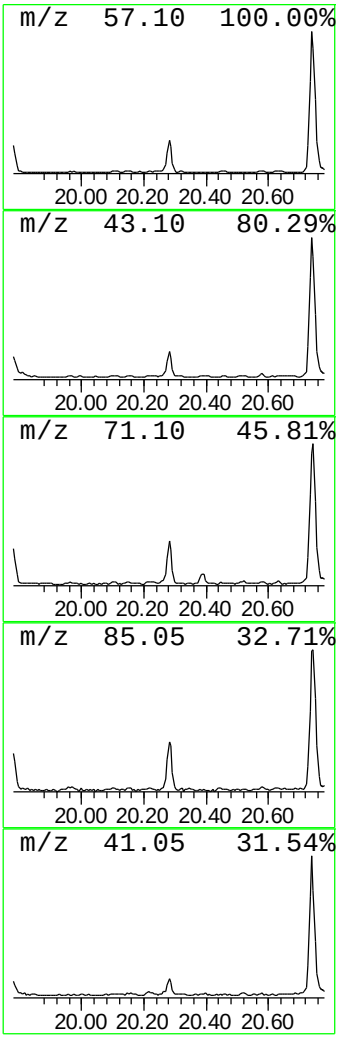
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.28 | 2.44 ng/ul | 186839 | Chrysene-d12 | 21.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 86 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 86 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 83 |
| 4 | Pentadecane | 212 | C15H32 | 000629-62-9 | 80 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 80 |



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Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

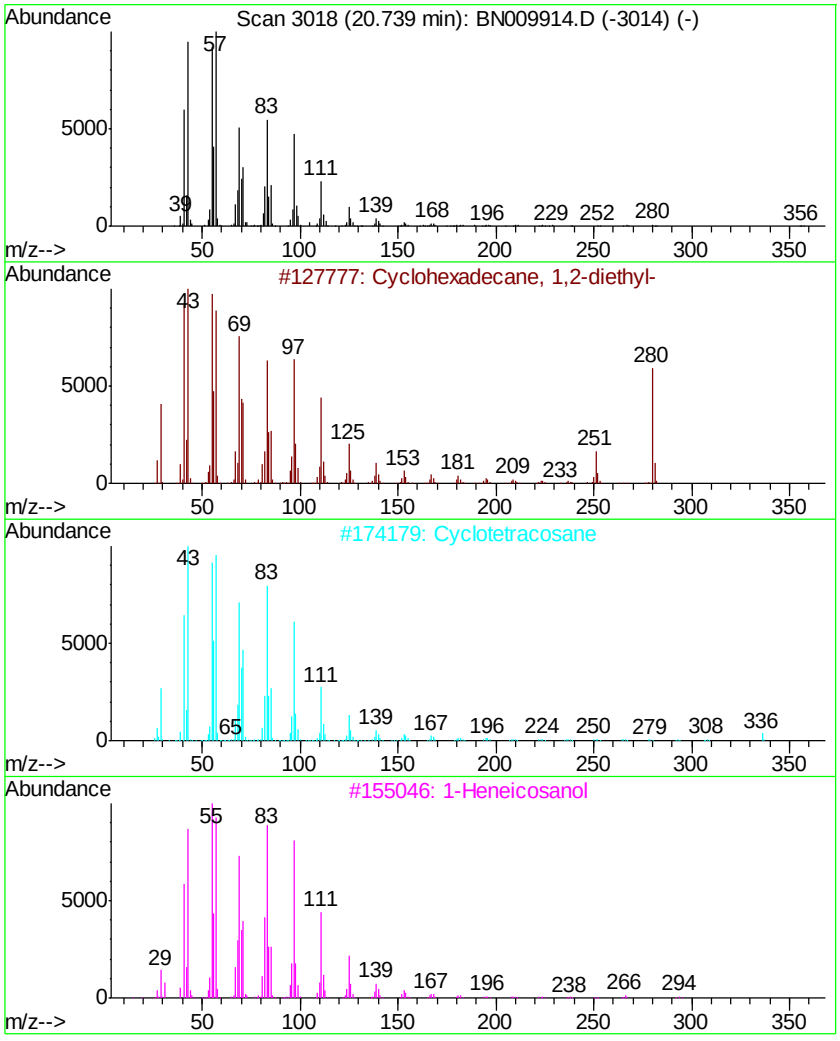
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

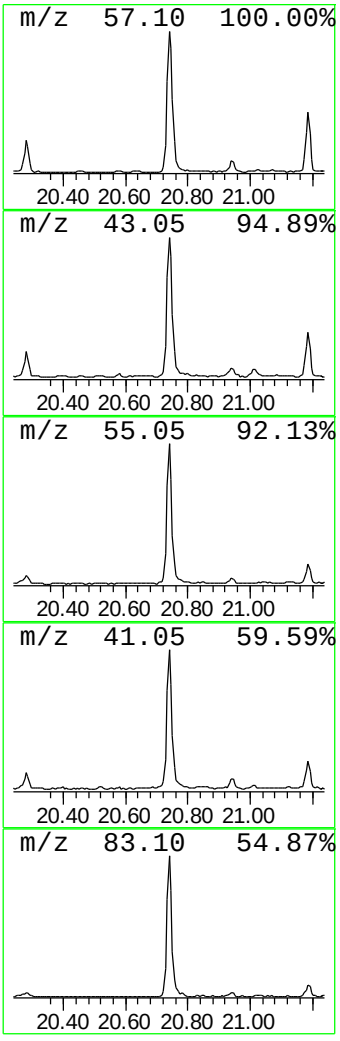
**********

Peak Number 14 (DEL) Alkane: Cyclic20.74 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.74 | 19.18 ng/ul | 1468360 | Chrysene-d12 | 21.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexadecane, 1,2-diethyl- | 280 | C20H40 | 1000155-85-3 | 93 |
| 2 | Cyclotetracosane | 336 | C24H48 | 000297-03-0 | 91 |
| 3 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 91 |
| 4 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 91 |
| 5 | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

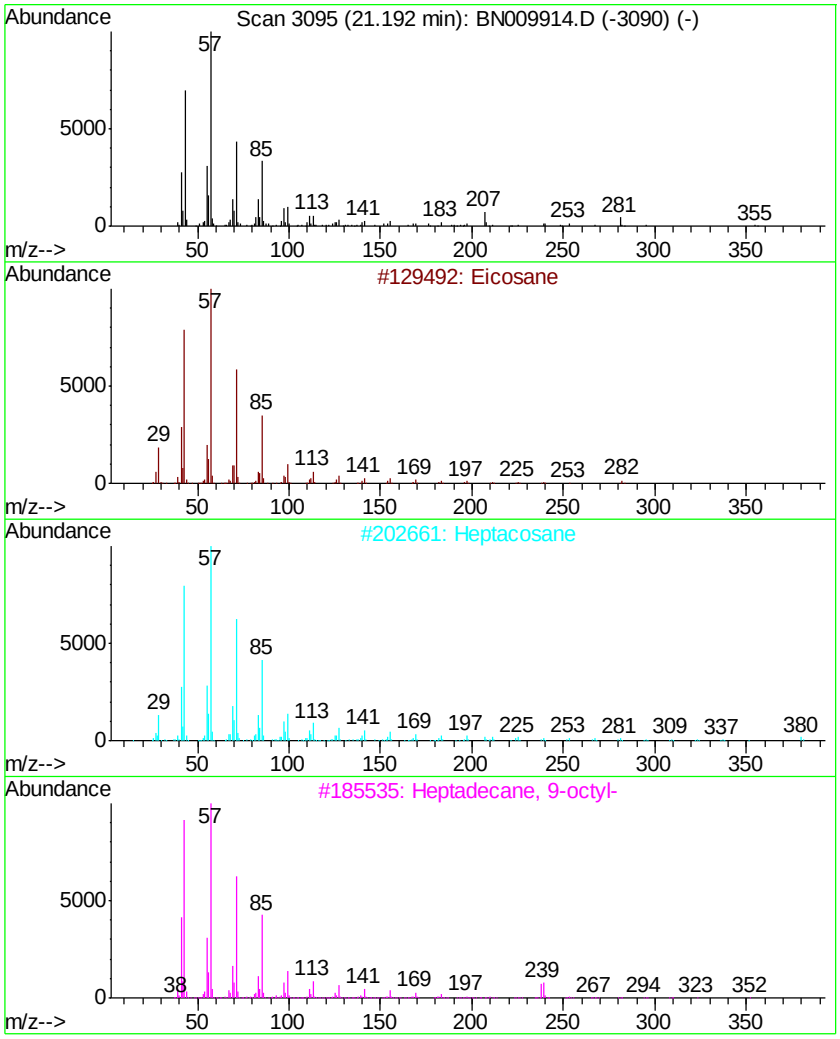
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

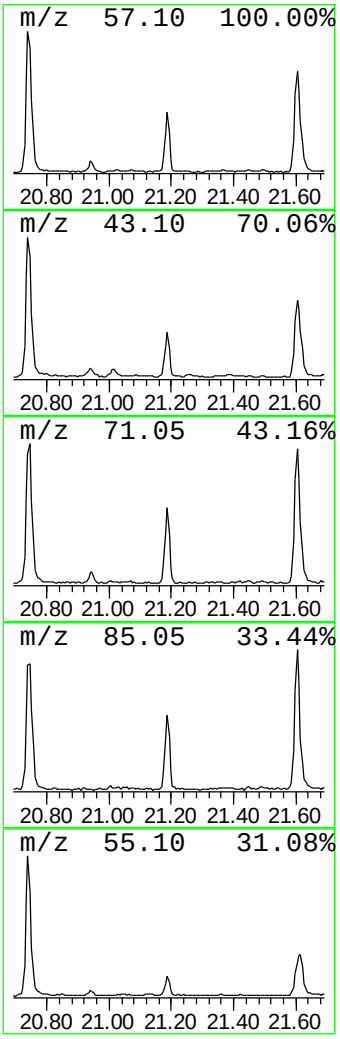
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.19 | 3.69 ng/ul | 282634 | Chrysene-d12 | 21.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 96 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 3 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |
| 4 | Sulfurous acid, butyl dodecyl ester | 306 | C16H34O3S | 1000309-17-9 | 91 |
| 5 | Sulfurous acid, butyl tridecyl e... | 320 | C17H36O3S | 1000309-18-0 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

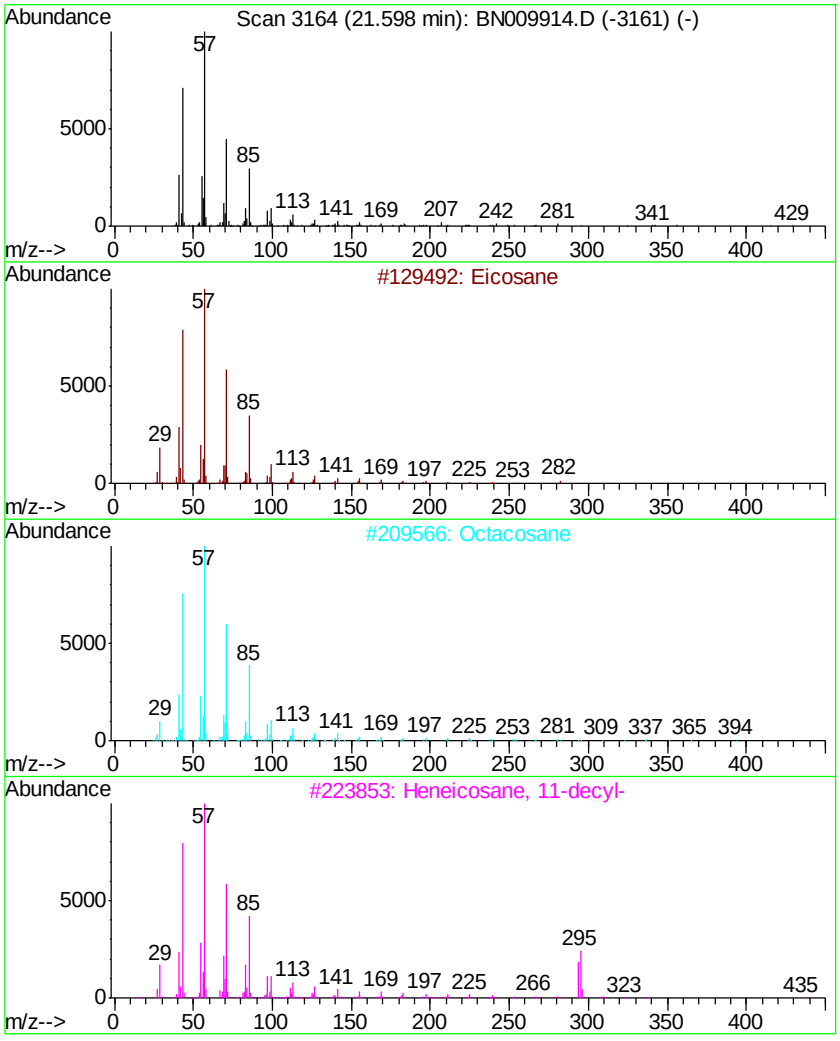
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

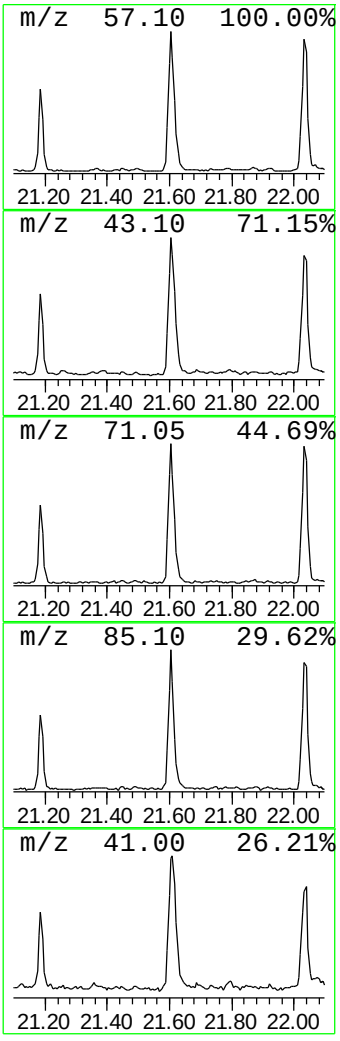
**********

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.60 | 11.96 ng/ul | 915451 | Chrysene-d12 | 21.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 96 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |
| 3 | Heneicosane, 11-decyl- | 437 | C31H64 | 055320-06-4 | 90 |
| 4 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 90 |
| 5 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 90 |



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Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

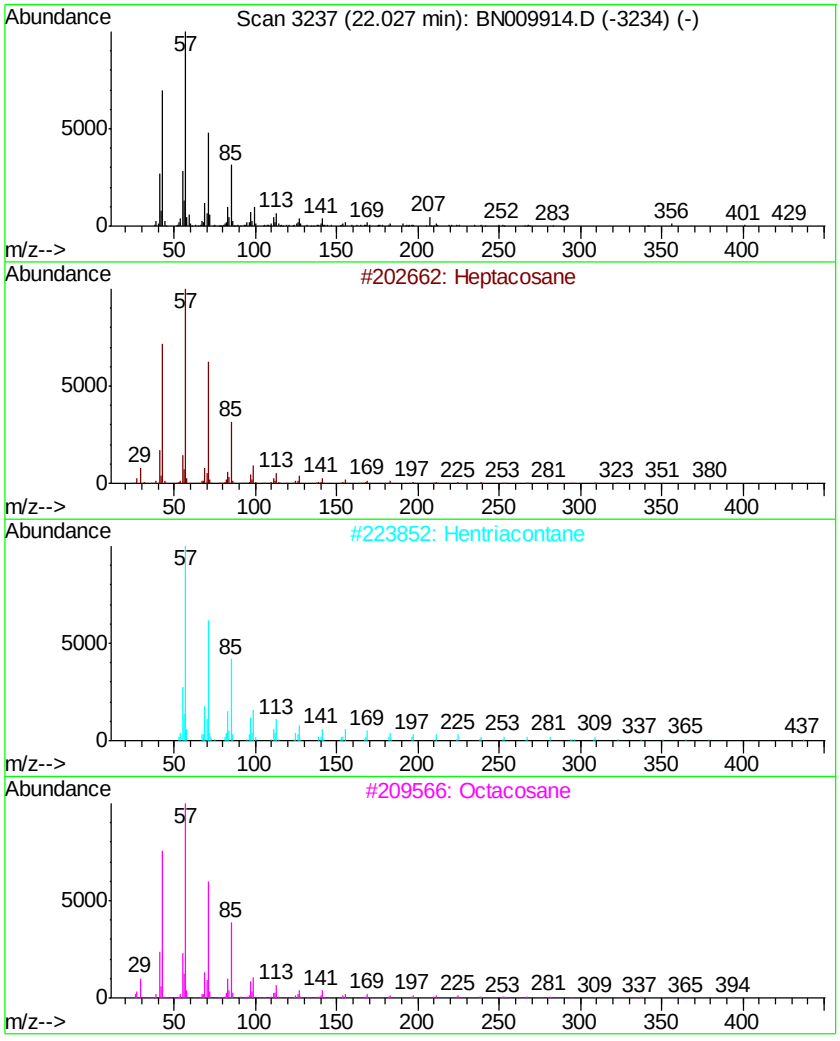
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

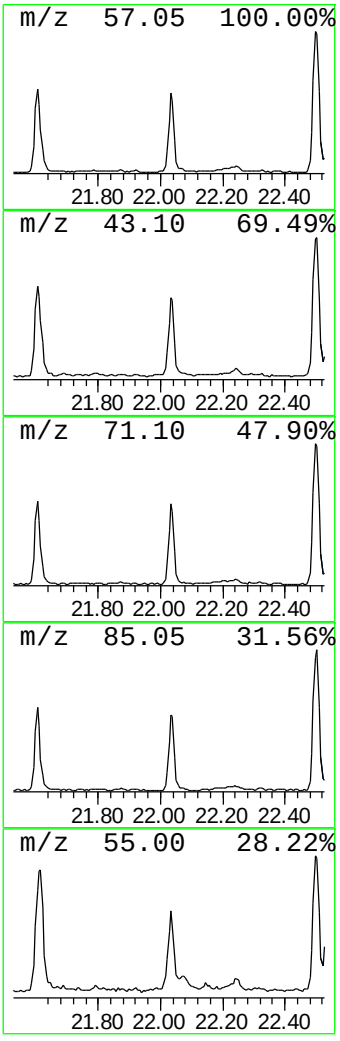
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.03 | 7.38 ng/ul | 565234 | Chrysene-d12 | 21.00 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 2 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 91 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |
| 4 | Pentacosane | 352 | C25H52 | 000629-99-2 | 90 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 87 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

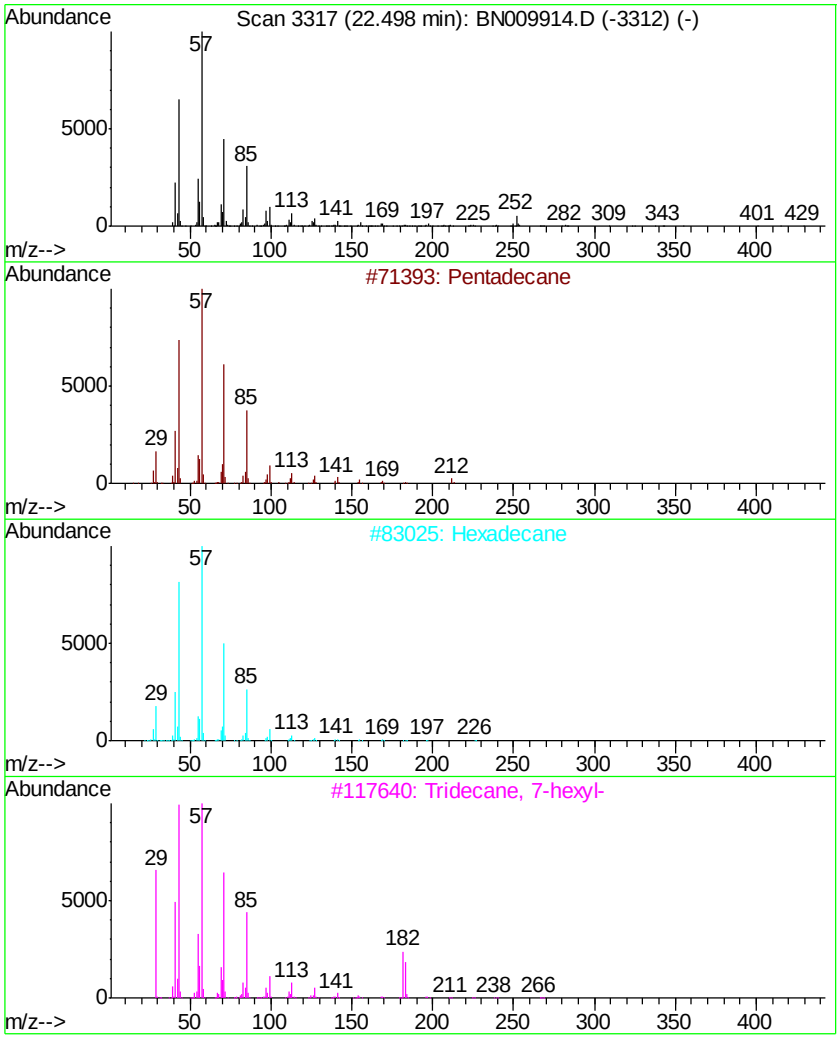
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

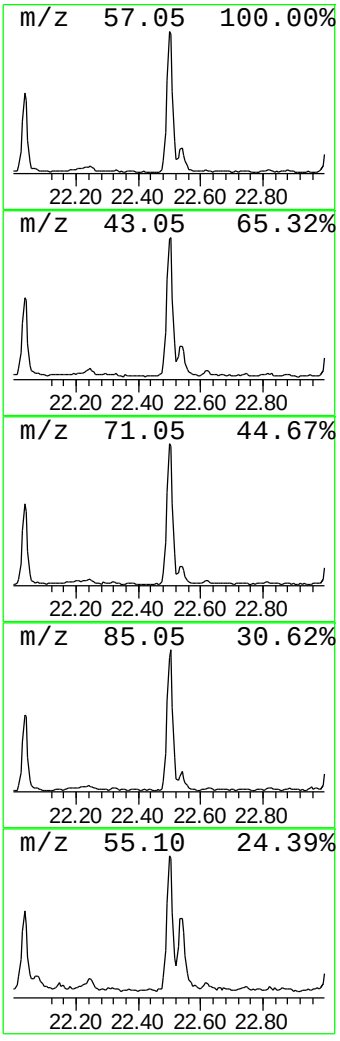
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.50 | 16.81 ng/ul | 1142070 | Perylene-d12 | 23.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane | 212 | C15H32 | 000629-62-9 | 94 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 93 |
| 3 | Tridecane, 7-hexyl- | 268 | C19H40 | 007225-66-3 | 93 |
| 4 | Hexadecane, 3-methyl- | 240 | C17H36 | 006418-43-5 | 90 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 87 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

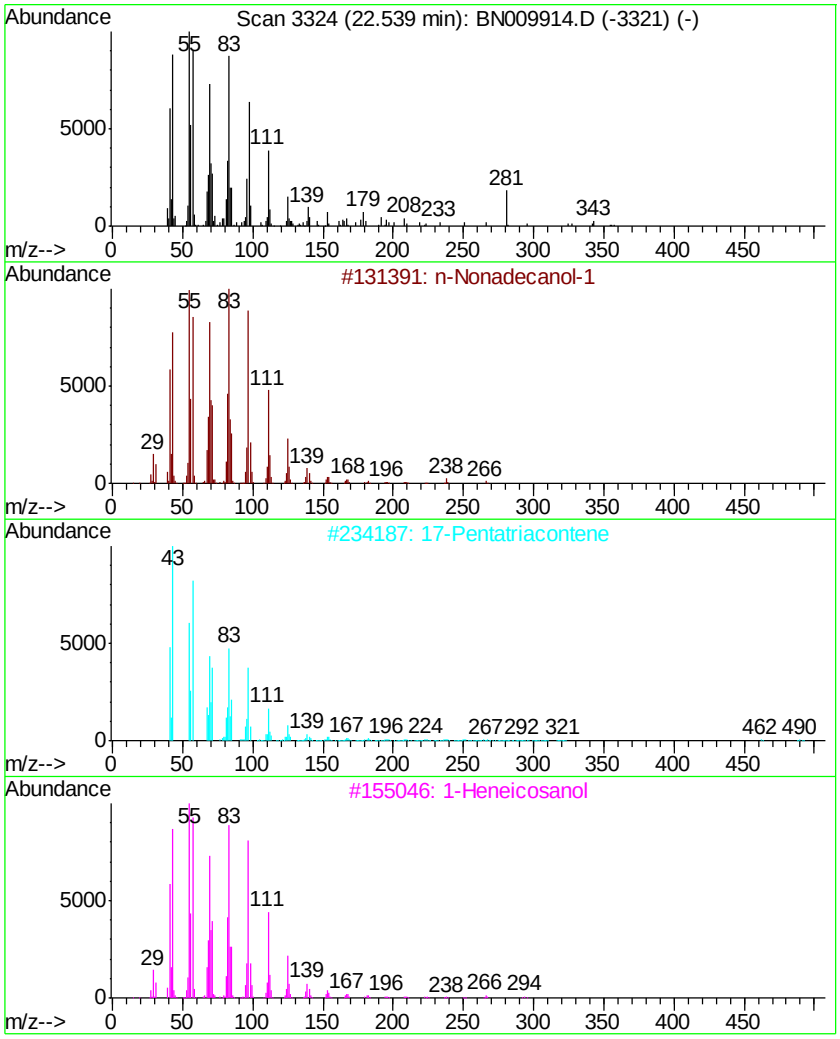
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

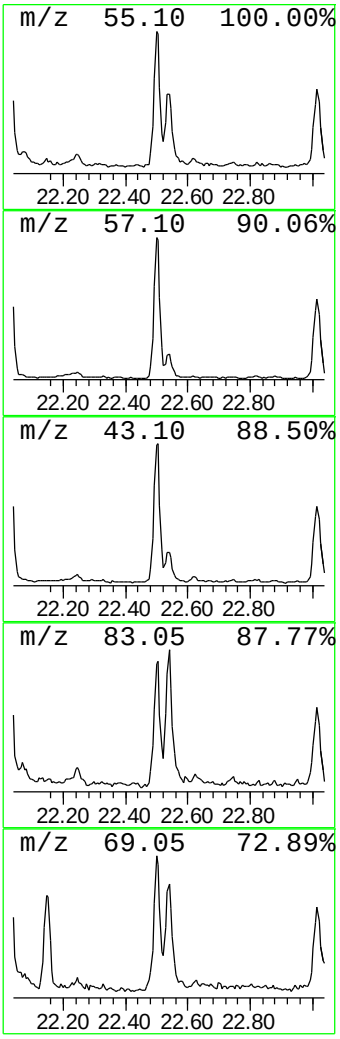
**********

Peak Number 19 n-Nonadecanol-1 Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.54 | 5.67 ng/ul | 385163 | Perylene-d12 | 23.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 74 |
| 2 | 17-Pentatriacontene | 491 | C35H70 | 006971-40-0 | 68 |
| 3 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 62 |
| 4 | 1-Docosanol, methyl ether | 340 | C23H48O | 1000333-91-9 | 62 |
| 5 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 62 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

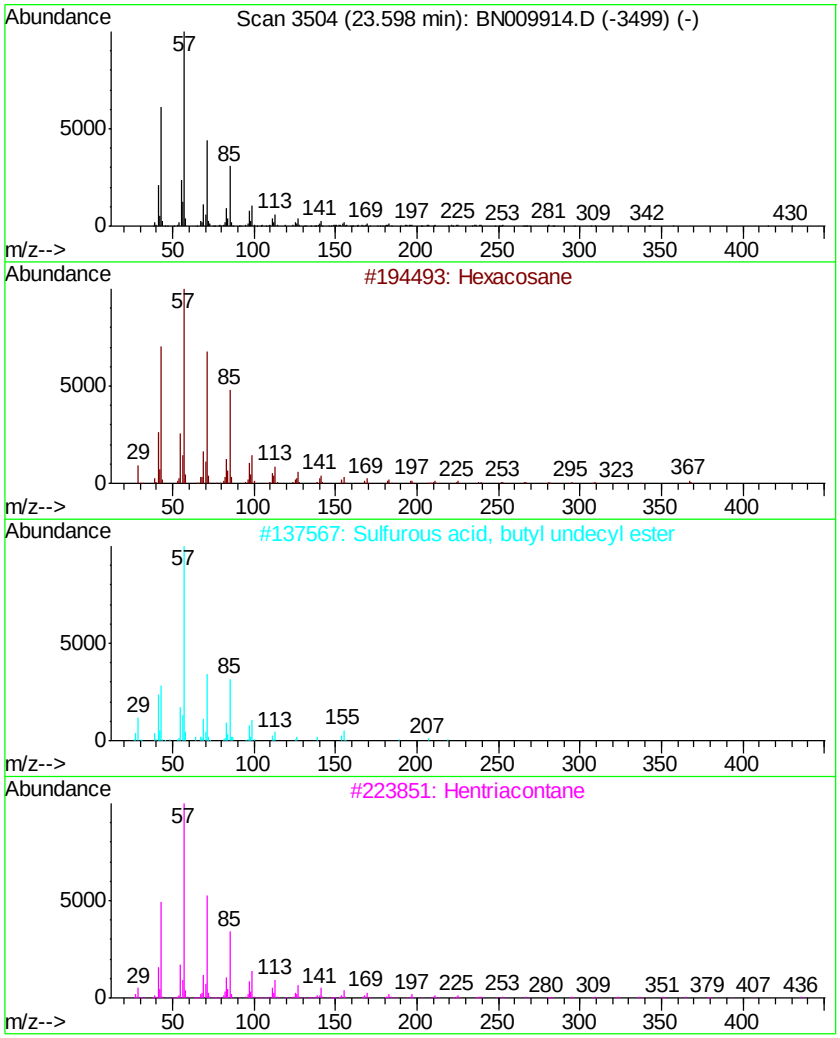
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

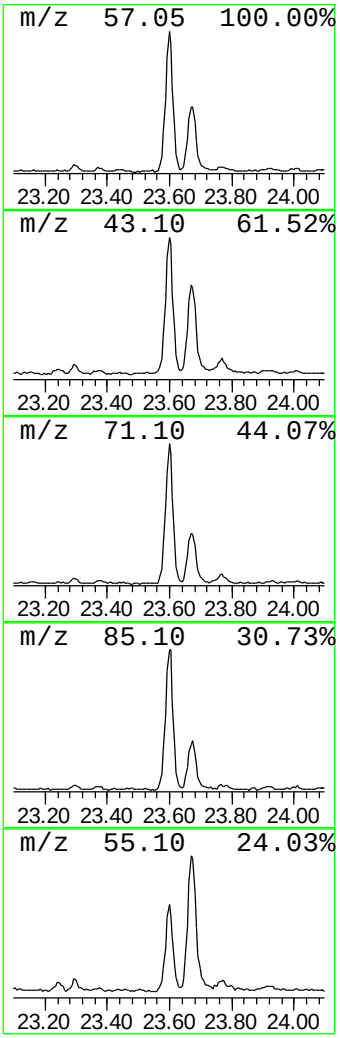
**********

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.60 | 13.96 ng/ul | 948436 | Perylene-d12 | 23.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 2 | Sulfurous acid, butyl undecyl ester | 292 | C15H32O3S | 1000309-17-8 | 90 |
| 3 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 90 |
| 4 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 87 |
| 5 | Heptacosane | 380 | C27H56 | 000593-49-7 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

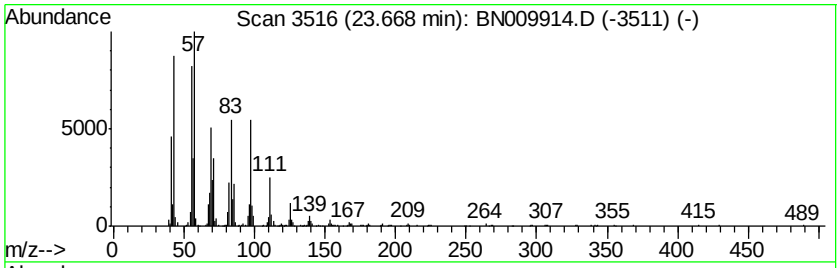
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

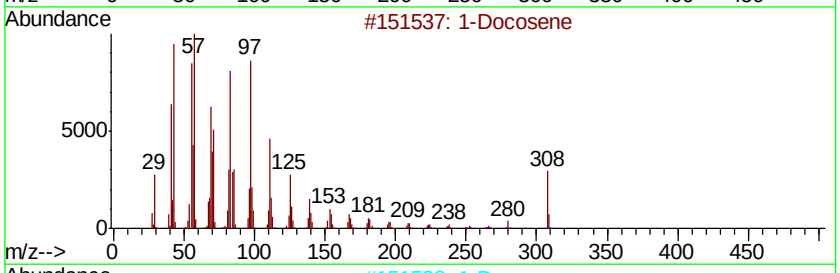
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

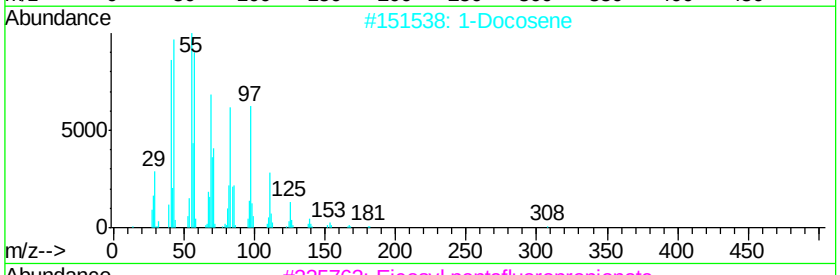
**********
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 5

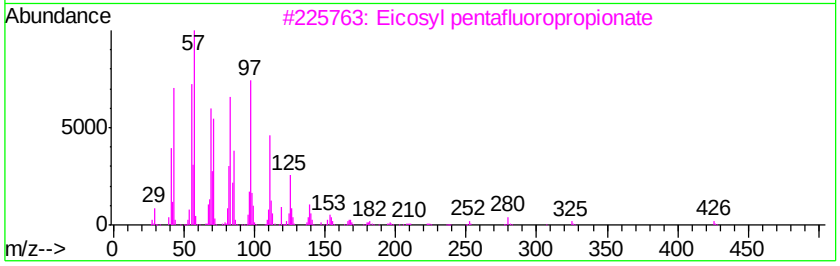
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.67 | 14.40 ng/ul | 978440 | Perylene-d12 | 23.10 |

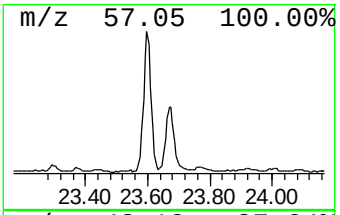
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 94 |
| 2 | 1-Docosene | 308 | C22H44 | 001599-67-3 | 92 |
| 3 | Eicosyl pentafluoropropionate | 444 | C23H41F5O2 | 1000351-80-8 | 91 |
| 4 | Pentafluoropropionic acid, octad... | 416 | C21H37F5O2 | 959261-25-7 | 91 |
| 5 | Octacosyl acetate | 452 | C30H60O2 | 018206-97-8 | 91 |

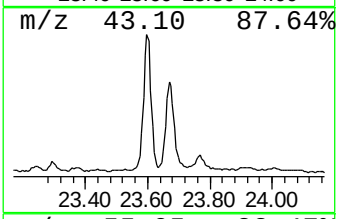


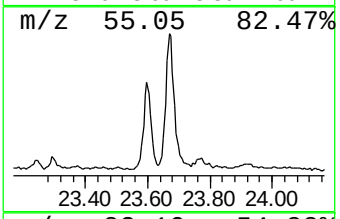



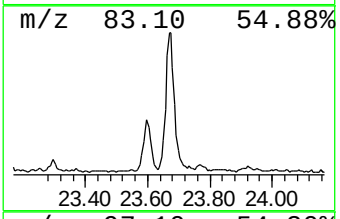



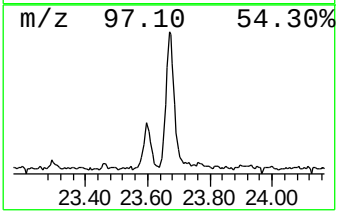



# Library Search Compound Report

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Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

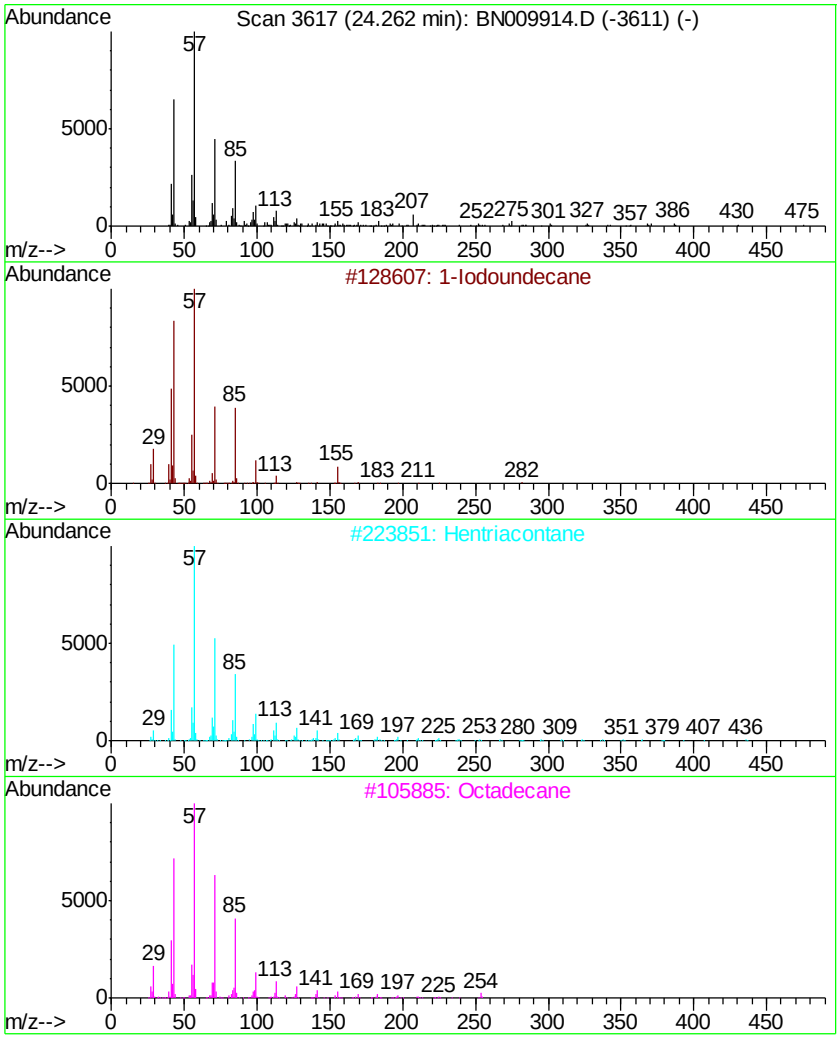
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

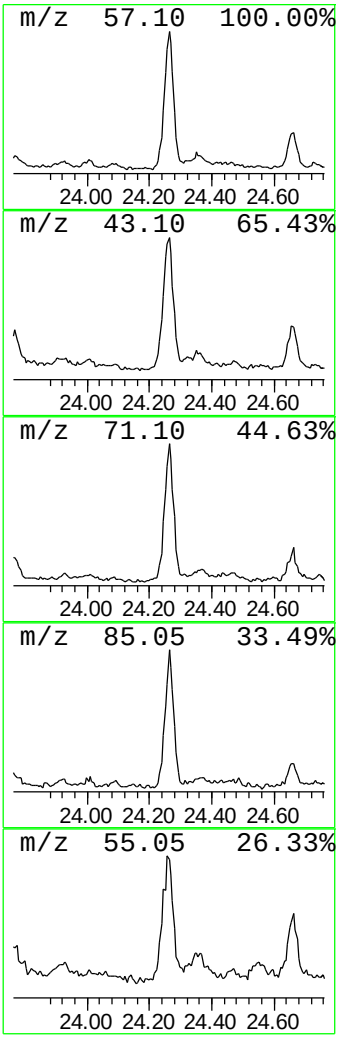
**********

Peak Number 22 1-Iodoundecane Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.26 | 9.63 ng/ul | 654383 | Perylene-d12 | 23.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Iodoundecane | 282 | C11H23I | 004282-44-4 | 87 |
| 2 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 83 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 80 |
| 4 | Sulfurous acid, butyl undecyl ester | 292 | C15H32O3S | 1000309-17-8 | 80 |
| 5 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 76 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

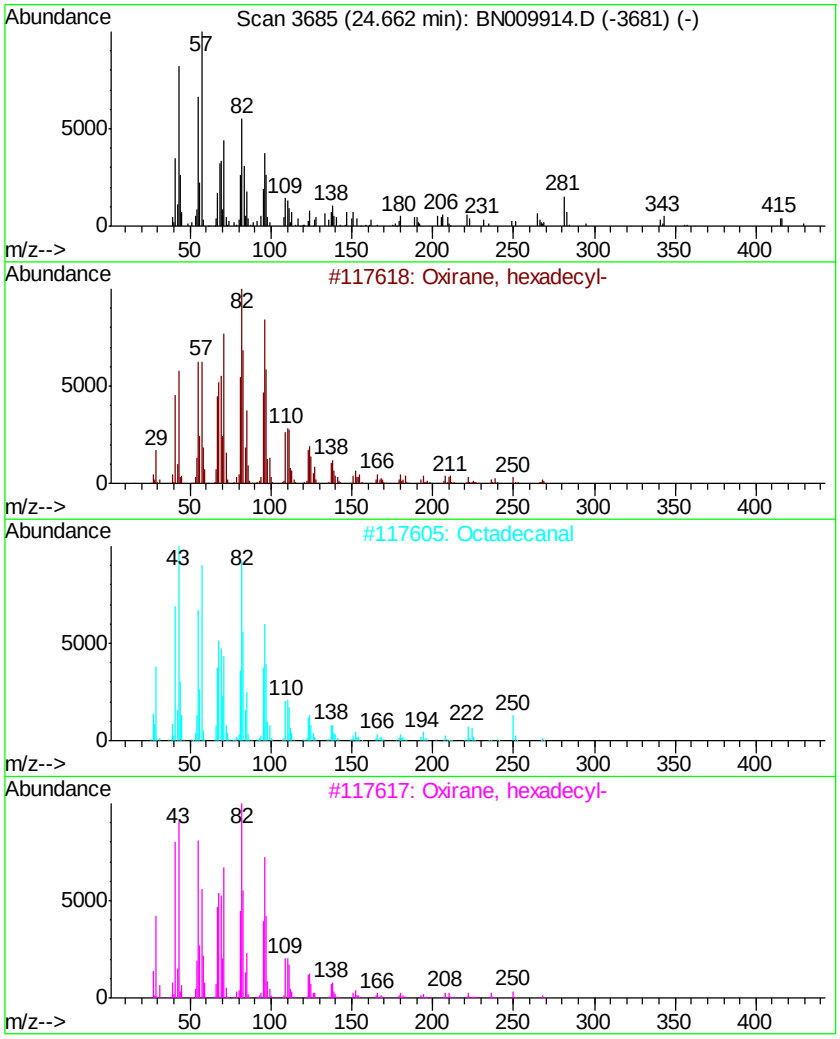
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

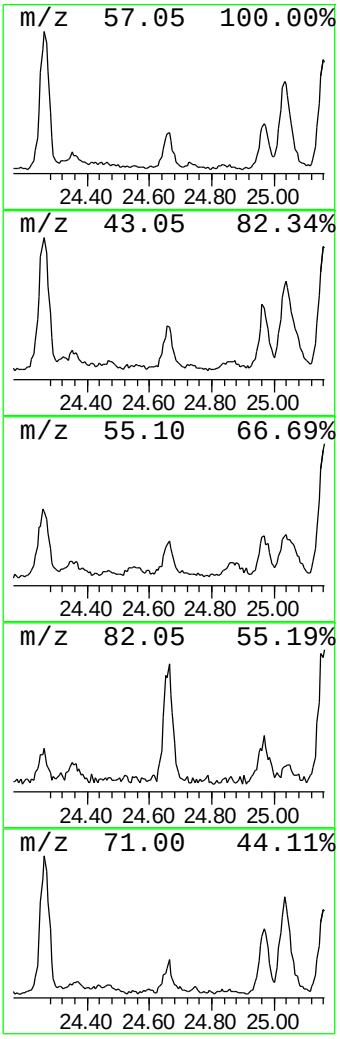
**********

Peak Number 23 Oxirane, hexadecyl- Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.66 | 3.45 ng/ul | 234497 | Perylene-d12 | 23.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Oxirane, hexadecyl- | 268 | C18H36O | 007390-81-0 | 95 |
| 2 | Octadecanal | 268 | C18H36O | 000638-66-4 | 92 |
| 3 | Oxirane, hexadecyl- | 268 | C18H36O | 007390-81-0 | 83 |
| 4 | Octadecanal | 268 | C18H36O | 000638-66-4 | 62 |
| 5 | Z-2-Octadecen-1-ol | 268 | C18H36O | 1000131-11-0 | 58 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

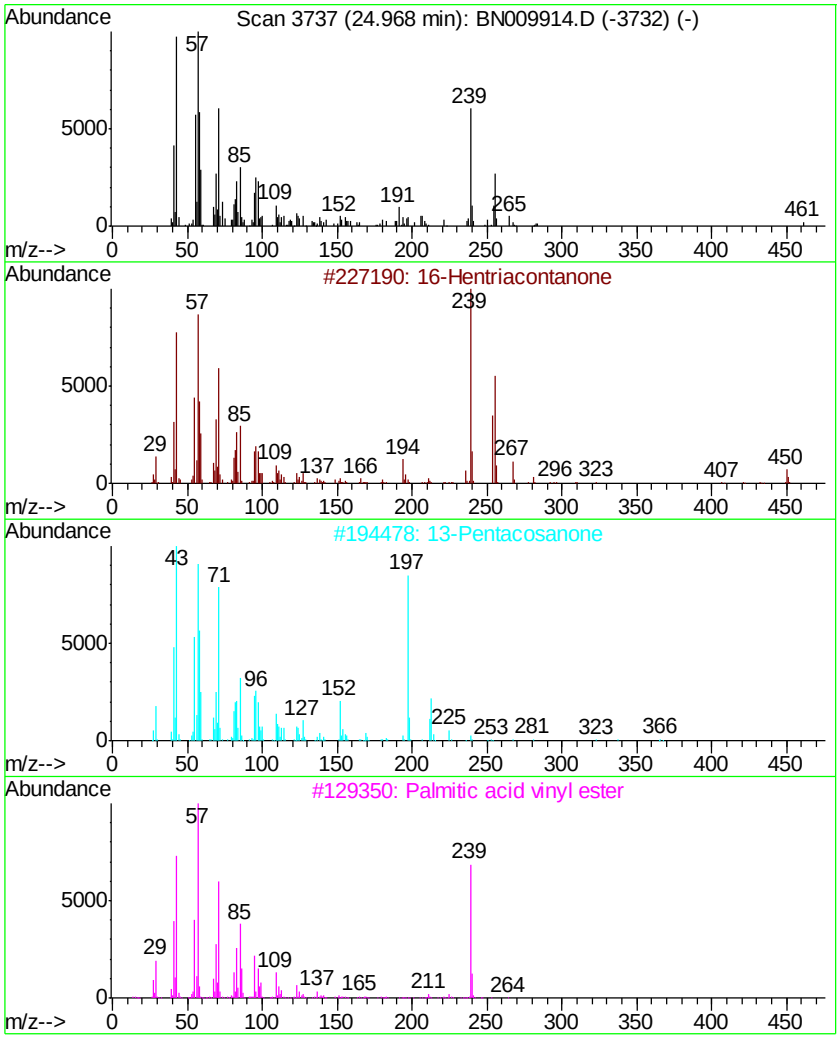
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

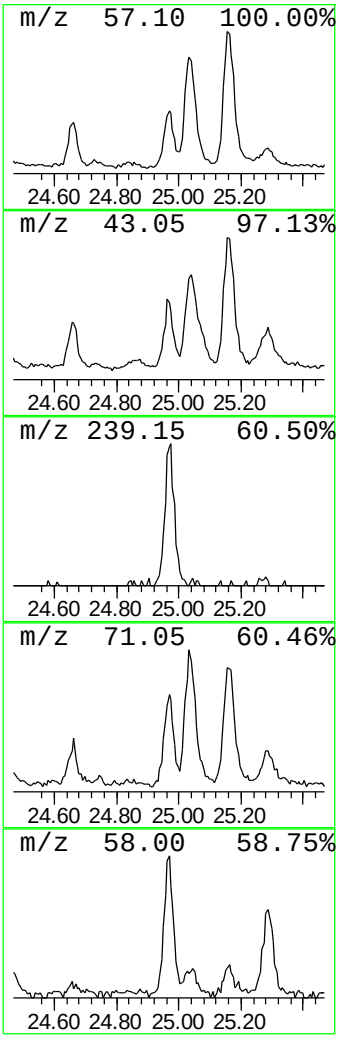
**********

Peak Number 24 16-Hentriacontanone Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.97 | 4.36 ng/ul | 296023 | Perylene-d12 | 23.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 16-Hentriacontanone | 450 | C31H62O | 000502-73-8 | 83 |
| 2 | 13-Pentacosanone | 366 | C25H50O | 002123-19-5 | 46 |
| 3 | Palmitic acid vinyl ester | 282 | C18H34O2 | 000693-38-9 | 45 |
| 4 | 2-Pentadecanone, 6,10,14-trimethyl- | 268 | C18H36O | 000502-69-2 | 38 |
| 5 | Octadecane | 254 | C18H38 | 000593-45-3 | 35 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

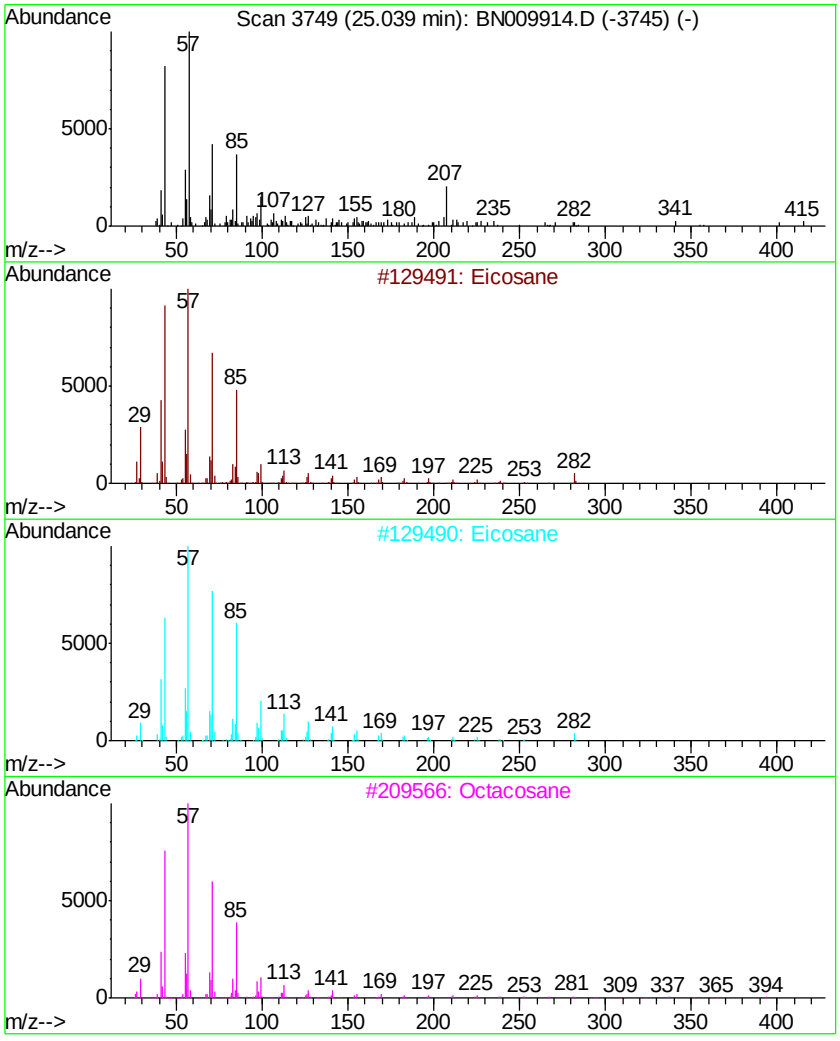
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

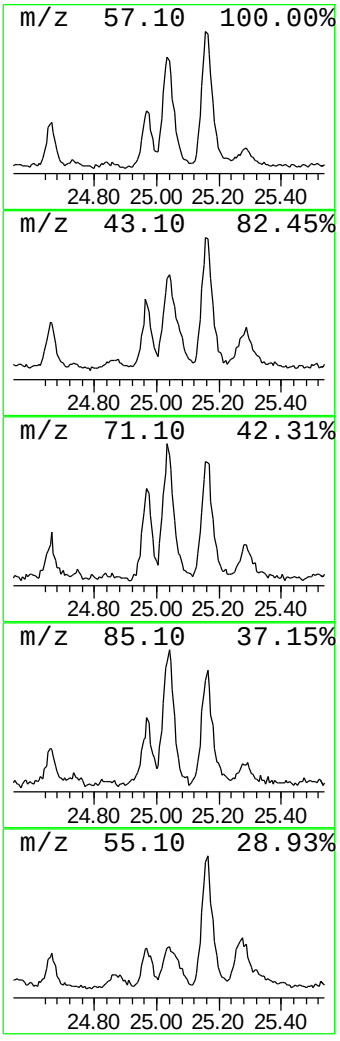
**********

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.04 | 8.64 ng/ul | 586848 | Perylene-d12 | 23.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 86 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 64 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 62 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 58 |
| 5 | 3,5-Dimethyldodecane | 198 | C14H30 | 107770-99-0 | 53 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

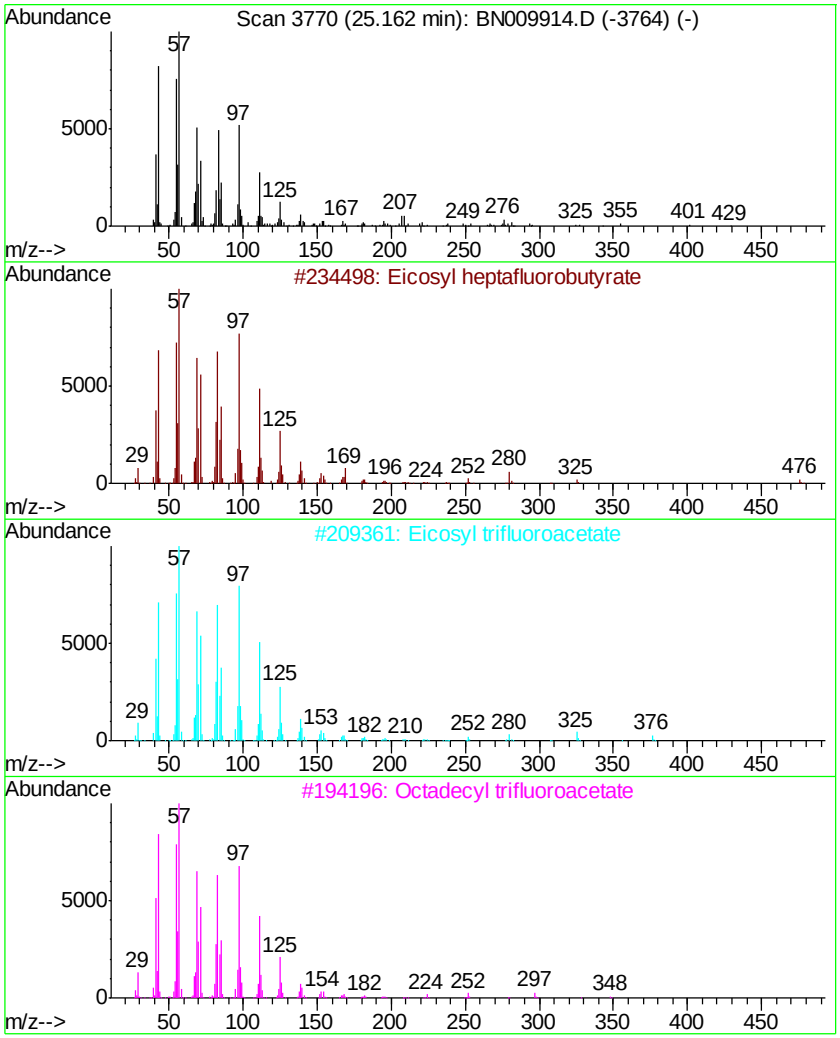
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

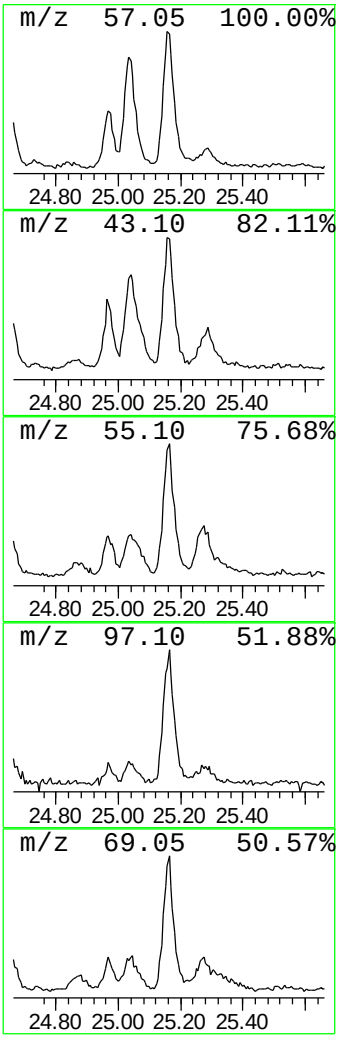
**********

Peak Number 26 Eicosyl heptafluorobutyrate Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.16 | 11.27 ng/ul | 765238 | Perylene-d12 | 23.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosyl heptafluorobutyrate | 494 | C24H41F7O2 | 1000351-83-5 | 91 |
| 2 | Eicosyl trifluoroacetate | 394 | C22H41F3O2 | 1000351-75-2 | 91 |
| 3 | Octadecyl trifluoroacetate | 366 | C20H37F3O2 | 079392-43-1 | 91 |
| 4 | Heneicosyl heptafluorobutyrate | 508 | C25H43F7O2 | 1000351-83-8 | 91 |
| 5 | Heptafluorobutyric acid, n-octad... | 466 | C22H37F7O2 | 000400-57-7 | 91 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

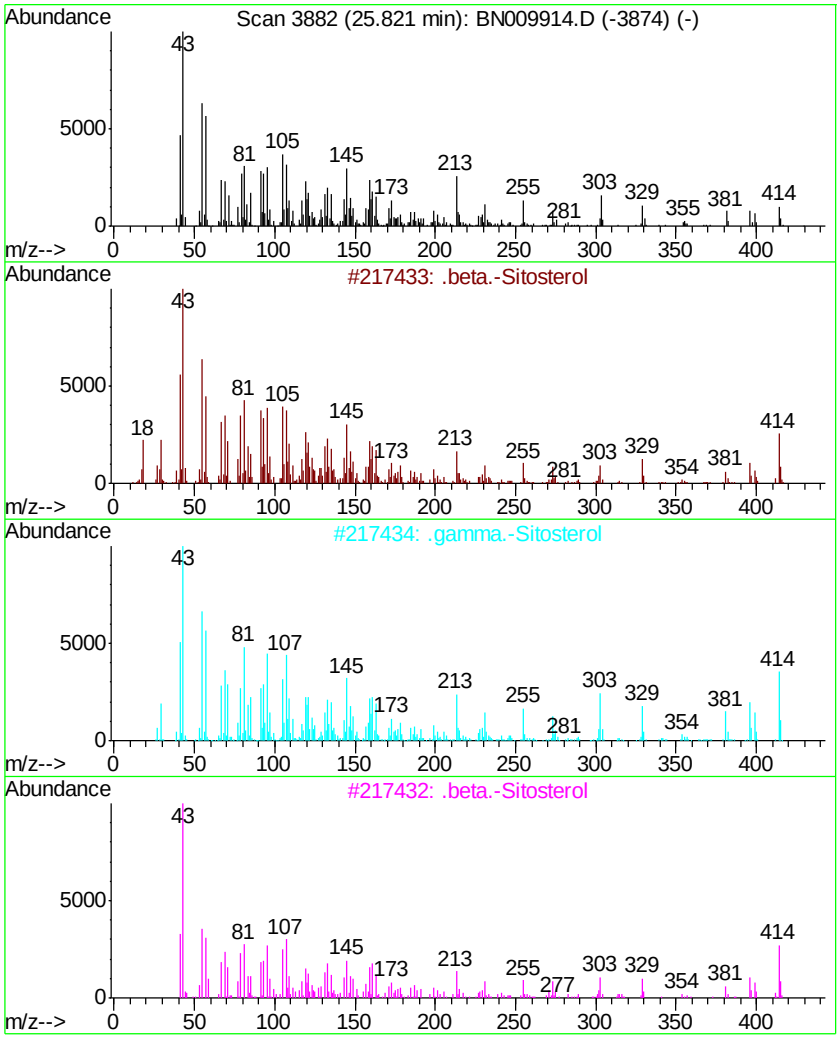
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

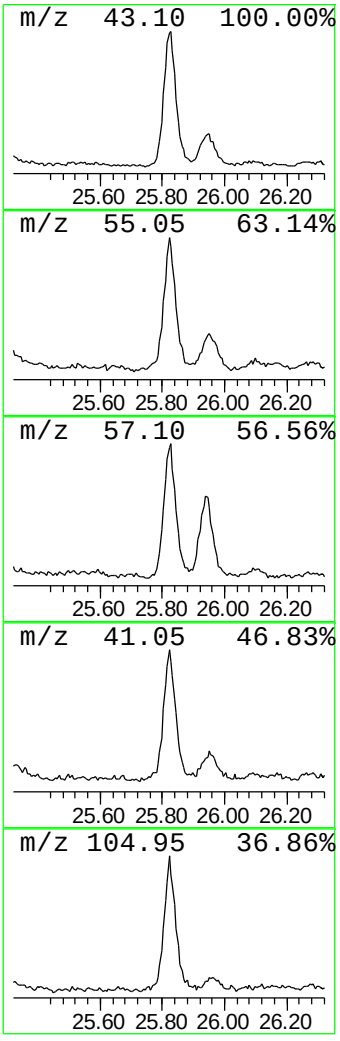
**********

Peak Number 27 .beta.-Sitosterol Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.82 | 26.45 ng/ul | 1796420 | Perylene-d12 | 23.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | .beta.-Sitosterol | 414 | C29H50O | 000083-46-5 | 99 |
| 2 | .gamma.-Sitosterol | 414 | C29H50O | 000083-47-6 | 99 |
| 3 | .beta.-Sitosterol | 414 | C29H50O | 000083-46-5 | 97 |
| 4 | Ergost-5-en-3-ol, (3.beta.)- | 400 | C28H48O | 004651-51-8 | 50 |
| 5 | Campesterol | 400 | C28H48O | 000474-62-4 | 43 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

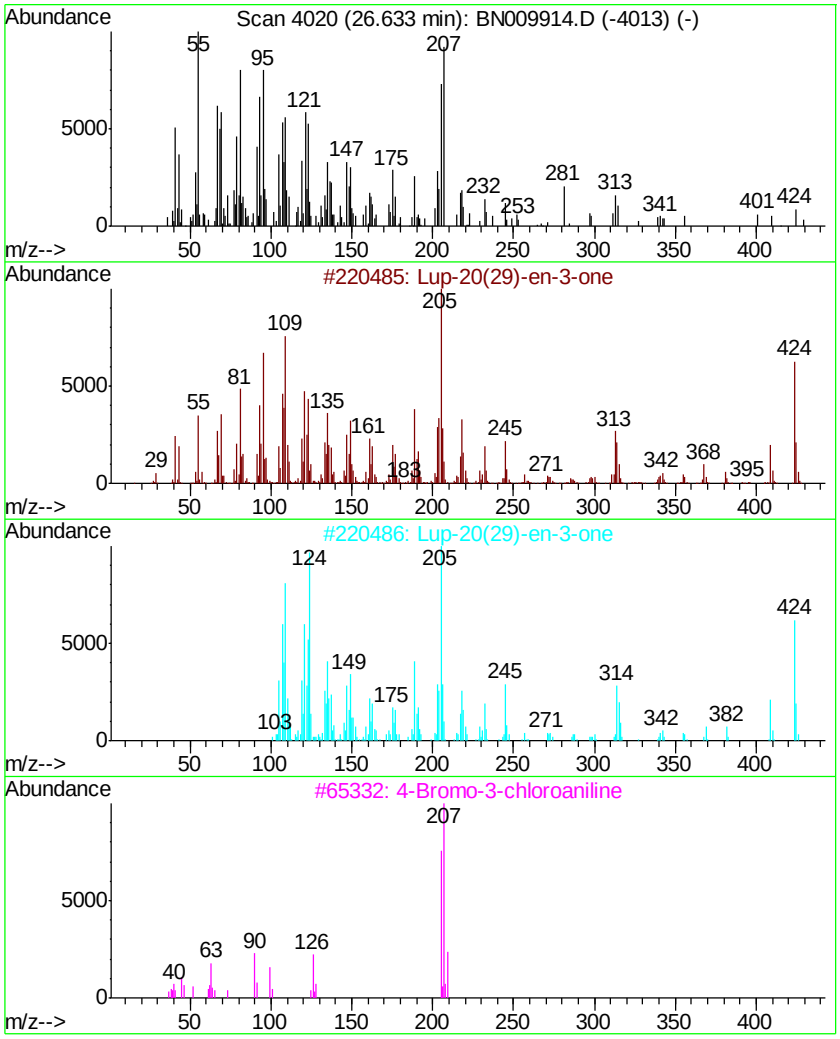
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

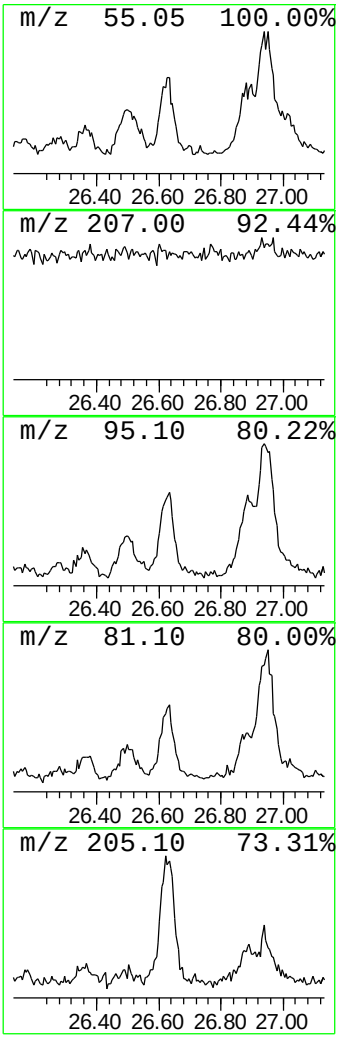
**********

Peak Number 28 Lup-20(29)-en-3-one Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.63 | 7.45 ng/ul | 505833 | Perylene-d12 | 23.10 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Lup-20(29)-en-3-one | 424 | C30H48O | 001617-70-5 | 94 |
| 2 | Lup-20(29)-en-3-one | 424 | C30H48O | 001617-70-5 | 50 |
| 3 | 4-Bromo-3-chloroaniline | 205 | C6H5BrClN | 021402-26-6 | 25 |
| 4 | 1,3,4-Oxadiazole, 2-(2-furyl)-5-... | 205 | C10H11N3O2 | 284674-14-2 | 25 |
| 5 | 2,4,6-Trichlorobenzonitrile | 205 | C7H2Cl3N | 006575-05-9 | 22 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN022420\
Data File : BN009914.D
Acq On : 25 Feb 2020 23:31
Operator : CG/JU
Sample : L1568-09
Misc :
ALS Vial : 52 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** DBDB2

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| .alpha.-Pinene | 6.09 | 14.3 | ng/ul | 396775 | 1 | 7.39 | 555238 | 20.0 |
| Bicyclo[2.2.1]hep... | 6.35 | 4.2 | ng/ul | 117105 | 1 | 7.39 | 555238 | 20.0 |
| Bicyclo[3.1.1]hep... | 6.83 | 33.2 | ng/ul | 921456 | 1 | 7.39 | 555238 | 20.0 |
| 3-Carene | 7.28 | 13.1 | ng/ul | 363299 | 1 | 7.39 | 555238 | 20.0 |
| D-Limonene | 7.60 | 3.1 | ng/ul | 85484 | 1 | 7.39 | 555238 | 20.0 |
| 1,2,4-Metheno-1H-... | 12.74 | 4.6 | ng/ul | 240199 | 3 | 14.03 | 1053140 | 20.0 |
| Cyclohexane, 1-et... | 12.89 | 9.4 | ng/ul | 492883 | 3 | 14.03 | 1053140 | 20.0 |
| .alpha.-Muurolene | 14.11 | 4.9 | ng/ul | 257038 | 3 | 14.03 | 1053140 | 20.0 |
| n-Hexadecanoic acid | 17.72 | 9.5 | ng/ul | 570853 | 4 | 16.78 | 1202380 | 20.0 |
| unknown-01 | 17.99 | 2.7 | ng/ul | 162171 | 4 | 16.78 | 1202380 | 20.0 |
| unknown-02 | 18.46 | 2.5 | ng/ul | 153039 | 4 | 16.78 | 1202380 | 20.0 |
| (DEL) Alkane: Str... | 18.58 | 8.6 | ng/ul | 516200 | 4 | 16.78 | 1202380 | 20.0 |
| (DEL) Alkane: Str... | 20.28 | 2.4 | ng/ul | 186839 | 5 | 21.00 | 1531450 | 20.0 |
| (DEL) Alkane: Cyc... | 20.74 | 19.2 | ng/ul | 1468360 | 5 | 21.00 | 1531450 | 20.0 |
| (DEL) Alkane: Str... | 21.19 | 3.7 | ng/ul | 282634 | 5 | 21.00 | 1531450 | 20.0 |
| (DEL) Alkane: Str... | 21.60 | 12.0 | ng/ul | 915451 | 5 | 21.00 | 1531450 | 20.0 |
| (DEL) Alkane: Str... | 22.03 | 7.4 | ng/ul | 565234 | 5 | 21.00 | 1531450 | 20.0 |
| (DEL) Alkane: Str... | 22.50 | 16.8 | ng/ul | 1142070 | 6 | 23.10 | 1358540 | 20.0 |
| n-Nonadecanol-1 | 22.54 | 5.7 | ng/ul | 385163 | 6 | 23.10 | 1358540 | 20.0 |
| (DEL) Alkane: Str... | 23.60 | 14.0 | ng/ul | 948436 | 6 | 23.10 | 1358540 | 20.0 |
| (DEL) Alkane: Str... | 23.67 | 14.4 | ng/ul | 978440 | 6 | 23.10 | 1358540 | 20.0 |
| 1-Iodoundecane | 24.26 | 9.6 | ng/ul | 654383 | 6 | 23.10 | 1358540 | 20.0 |
| Oxirane, hexadecyl- | 24.66 | 3.5 | ng/ul | 234497 | 6 | 23.10 | 1358540 | 20.0 |
| 16-Hentriacontanone | 24.97 | 4.4 | ng/ul | 296023 | 6 | 23.10 | 1358540 | 20.0 |
| (DEL) Alkane: Str... | 25.04 | 8.6 | ng/ul | 586848 | 6 | 23.10 | 1358540 | 20.0 |
| Eicosyl heptafluo... | 25.16 | 11.3 | ng/ul | 765238 | 6 | 23.10 | 1358540 | 20.0 |
| .beta.-Sitosterol | 25.82 | 26.4 | ng/ul | 1796420 | 6 | 23.10 | 1358540 | 20.0 |
| Lup-20(29)-en-3-one | 26.63 | 7.5 | ng/ul | 505833 | 6 | 23.10 | 1358540 | 20.0 |