LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091520\
Data File : BM027412.D
Acq On : 15 Sep 2020 15:15
Operator : JU/CG
Sample : L3999-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** H17Y3

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-BM090420MA.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 | 3.128 | 21 | 24 | 27 | rVB2 | 14310 | 16546 | 1.05% | 0.101% |
| 2 | 3.746 | 126 | 129 | 135 | rVB | 33604 | 51904 | 3.31% | 0.316% |
| 3 | 4.058 | 178 | 182 | 186 | rBV3 | 13814 | 18935 | 1.21% | 0.115% |
| 4 | 4.722 | 292 | 295 | 301 | rVB | 15743 | 22465 | 1.43% | 0.137% |
| 5 | 5.746 | 468 | 469 | 471 | rBV2 | 3272 | 3149 | 0.20% | 0.019% |
| 6 | 6.216 | 548 | 549 | 553 | rVB2 | 3429 | 2521 | 0.16% | 0.015% |
| 7 | 6.246 | 553 | 554 | 557 | rBV3 | 2803 | 2266 | 0.14% | 0.014% |
| 8 | 6.746 | 633 | 639 | 651 | rBV | 184897 | 311776 | 19.86% | 1.899% |
| 9 | 6.899 | 660 | 665 | 675 | rBV | 176292 | 286523 | 18.25% | 1.746% |
| 10 | 7.099 | 692 | 699 | 709 | rBV | 228664 | 366868 | 23.36% | 2.235% |
| 11 | 7.557 | 770 | 777 | 785 | rBV | 371191 | 569015 | 36.24% | 3.467% |
| 12 | 7.787 | 810 | 816 | 821 | rVB7 | 3846 | 8613 | 0.55% | 0.052% |
| 13 | 7.857 | 825 | 828 | 830 | rVB3 | 2079 | 2285 | 0.15% | 0.014% |
| 14 | 8.269 | 892 | 898 | 911 | rBV | 238946 | 392538 | 25.00% | 2.391% |
| 15 | 8.375 | 913 | 916 | 924 | rVB3 | 9621 | 15660 | 1.00% | 0.095% |
| 16 | 8.698 | 965 | 971 | 981 | rBV | 212220 | 350388 | 22.31% | 2.135% |
| 17 | 8.798 | 987 | 988 | 991 | rVB3 | 2780 | 1993 | 0.13% | 0.012% |
| 18 | 8.893 | 1001 | 1004 | 1006 | rBV4 | 1927 | 2271 | 0.14% | 0.014% |
| 19 | 9.169 | 1048 | 1051 | 1055 | rVV4 | 2331 | 3158 | 0.20% | 0.019% |
| 20 | 9.234 | 1059 | 1062 | 1067 | rVB4 | 1642 | 2566 | 0.16% | 0.016% |
| 21 | 9.416 | 1086 | 1093 | 1105 | rBV | 162051 | 281979 | 17.96% | 1.718% |
| 22 | 9.492 | 1105 | 1106 | 1110 | rVB3 | 2531 | 1730 | 0.11% | 0.011% |
| 23 | 9.881 | 1169 | 1172 | 1176 | rVB6 | 1774 | 2329 | 0.15% | 0.014% |
| 24 | 9.957 | 1176 | 1185 | 1198 | rBV | 239529 | 429476 | 27.35% | 2.616% |
| 25 | 10.322 | 1239 | 1247 | 1255 | rBV | 434594 | 713483 | 45.44% | 4.347% |
| 26 | 10.469 | 1265 | 1272 | 1287 | rBV | 158469 | 337266 | 21.48% | 2.055% |
| 27 | 10.687 | 1305 | 1309 | 1312 | rVB4 | 1823 | 2425 | 0.15% | 0.015% |
| 28 | 10.728 | 1314 | 1316 | 1319 | rVB4 | 1919 | 2144 | 0.14% | 0.013% |
| 29 | 11.933 | 1517 | 1521 | 1524 | rBV3 | 2749 | 3934 | 0.25% | 0.024% |
| 30 | 12.328 | 1585 | 1588 | 1591 | rVB3 | 1339 | 1637 | 0.10% | 0.010% |
| 31 | 12.563 | 1621 | 1628 | 1633 | rBV5 | 3874 | 6436 | 0.41% | 0.039% |
| 32 | 12.816 | 1667 | 1671 | 1676 | rBV4 | 3629 | 6109 | 0.39% | 0.037% |
| 33 | 12.957 | 1692 | 1695 | 1701 | rVB6 | 2866 | 4306 | 0.27% | 0.026% |
| 34 | 13.045 | 1706 | 1710 | 1716 | rVB3 | 8744 | 12899 | 0.82% | 0.079% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091520\
Data File : BM027412.D
Acq On : 15 Sep 2020 15:15
Operator : JU/CG
Sample : L3999-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** H17Y3

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-BM090420MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.116 | 1718 | 1722 | 1727 | rVB5 | 3538 | 5316 | 0.34% | 0.032% |
| 36 | 13.522 | 1789 | 1791 | 1792 | rBV | 2269 | 1707 | 0.11% | 0.010% |
| 37 | 13.616 | 1801 | 1807 | 1813 | rBV | 481091 | 668365 | 42.57% | 4.072% |
| 38 | 13.663 | 1813 | 1815 | 1823 | rVB | 26488 | 35758 | 2.28% | 0.218% |
| 39 | 13.886 | 1846 | 1853 | 1865 | rBV | 485063 | 717948 | 45.72% | 4.374% |
| 40 | 14.198 | 1897 | 1906 | 1913 | rBV | 655106 | 932908 | 59.41% | 5.683% |
| 41 | 14.245 | 1913 | 1914 | 1918 | rVB2 | 1792 | 1905 | 0.12% | 0.012% |
| 42 | 14.427 | 1940 | 1945 | 1958 | rBV2 | 31590 | 92223 | 5.87% | 0.562% |
| 43 | 14.516 | 1958 | 1960 | 1962 | rVB3 | 2233 | 1917 | 0.12% | 0.012% |
| 44 | 14.627 | 1976 | 1979 | 1981 | rVB4 | 1762 | 1682 | 0.11% | 0.010% |
| 45 | 14.645 | 1981 | 1982 | 1985 | rVB2 | 2619 | 1706 | 0.11% | 0.010% |
| 46 | 14.733 | 1993 | 1997 | 1998 | rBV3 | 1549 | 1846 | 0.12% | 0.011% |
| 47 | 14.992 | 2038 | 2041 | 2043 | rBV3 | 2185 | 2152 | 0.14% | 0.013% |
| 48 | 15.027 | 2043 | 2047 | 2054 | rVV5 | 5926 | 9374 | 0.60% | 0.057% |
| 49 | 15.086 | 2054 | 2057 | 2061 | rVB3 | 3833 | 4582 | 0.29% | 0.028% |
| 50 | 15.116 | 2061 | 2062 | 2067 | rVB3 | 1436 | 1616 | 0.10% | 0.010% |
| 51 | 15.198 | 2067 | 2076 | 2085 | rBV | 646018 | 947020 | 60.31% | 5.769% |
| 52 | 15.322 | 2092 | 2097 | 2108 | rBV | 78663 | 147021 | 9.36% | 0.896% |
| 53 | 15.439 | 2114 | 2117 | 2124 | rVB6 | 8777 | 11346 | 0.72% | 0.069% |
| 54 | 15.845 | 2182 | 2186 | 2190 | rBV3 | 1523 | 2932 | 0.19% | 0.018% |
| 55 | 15.980 | 2207 | 2209 | 2214 | rVB6 | 3443 | 3930 | 0.25% | 0.024% |
| 56 | 16.045 | 2217 | 2220 | 2222 | rBV3 | 1915 | 2094 | 0.13% | 0.013% |
| 57 | 16.116 | 2230 | 2232 | 2236 | rVB5 | 2887 | 3377 | 0.22% | 0.021% |
| 58 | 16.739 | 2334 | 2338 | 2341 | rBV3 | 4689 | 6893 | 0.44% | 0.042% |
| 59 | 16.880 | 2359 | 2362 | 2363 | rBV2 | 2081 | 1987 | 0.13% | 0.012% |
| 60 | 16.945 | 2367 | 2373 | 2383 | rBV | 792129 | 1091736 | 69.53% | 6.651% |
| 61 | 17.045 | 2383 | 2390 | 2401 | rBV | 667309 | 971259 | 61.86% | 5.917% |
| 62 | 17.251 | 2421 | 2425 | 2427 | rBV4 | 2426 | 3323 | 0.21% | 0.020% |
| 63 | 17.398 | 2448 | 2450 | 2453 | rVB3 | 2250 | 2852 | 0.18% | 0.017% |
| 64 | 17.545 | 2469 | 2475 | 2476 | rBV5 | 1502 | 2040 | 0.13% | 0.012% |
| 65 | 17.874 | 2524 | 2531 | 2538 | rBV3 | 41423 | 83559 | 5.32% | 0.509% |
| 66 | 17.927 | 2538 | 2540 | 2546 | rVB2 | 10338 | 16515 | 1.05% | 0.101% |
| 67 | 18.180 | 2581 | 2583 | 2586 | rVB4 | 2630 | 1891 | 0.12% | 0.012% |
| 68 | 18.404 | 2619 | 2621 | 2622 | rBV2 | 3567 | 2025 | 0.13% | 0.012% |
| 69 | 18.421 | 2622 | 2624 | 2625 | rBV2 | 2654 | 2285 | 0.15% | 0.014% |
| 70 | 18.592 | 2649 | 2653 | 2660 | rBV | 133030 | 173139 | 11.03% | 1.055% |
| 71 | 18.980 | 2716 | 2719 | 2721 | rBV3 | 8548 | 11699 | 0.75% | 0.071% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091520\
Data File : BM027412.D
Acq On : 15 Sep 2020 15:15
Operator : JU/CG
Sample : L3999-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** H17Y3

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-BM090420MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 19.174 | 2747 | 2752 | 2758 | rBV10 | 15685 | 46372 | 2.95% | 0.283% |
| 73 | 19.345 | 2776 | 2781 | 2789 | rBV | 886470 | 1180661 | 75.19% | 7.193% |
| 74 | 20.298 | 2941 | 2943 | 2948 | rVB2 | 37633 | 40895 | 2.60% | 0.249% |
| 75 | 20.886 | 3040 | 3043 | 3049 | rBV2 | 185586 | 262140 | 16.69% | 1.597% |
| 76 | 21.145 | 3083 | 3087 | 3099 | rBV | 1067667 | 1368961 | 87.18% | 8.340% |
| 77 | 21.762 | 3189 | 3192 | 3198 | rVB3 | 109870 | 157434 | 10.03% | 0.959% |
| 78 | 22.698 | 3347 | 3351 | 3355 | rBV | 247258 | 318178 | 20.26% | 1.938% |
| 79 | 23.174 | 3427 | 3432 | 3439 | rVB | 709238 | 1262052 | 80.37% | 7.689% |
| 80 | 23.309 | 3450 | 3455 | 3464 | rVB | 870439 | 1570215 | 100.00% | 9.566% |

Sum of corrected areas: 16414429

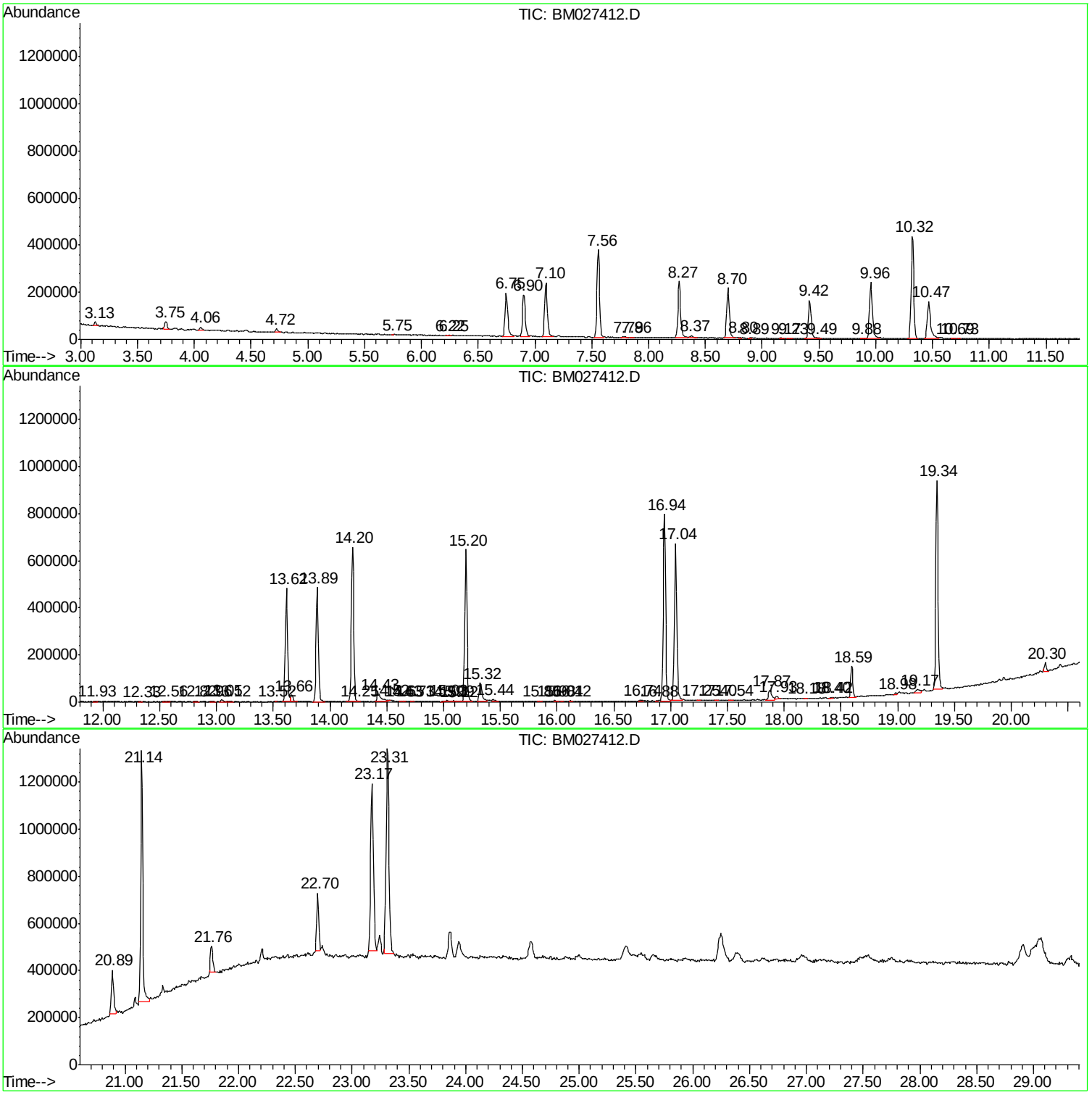
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091520\
Data File : BM027412.D
Acq On : 15 Sep 2020 15:15
Operator : JU/CG
Sample : L3999-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** H17Y3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.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 M\DATA\BM091520\
Data File : BM027412.D
Acq On : 15 Sep 2020 15:15
Operator : JU/CG
Sample : L3999-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** H17Y3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.M
Quant Title : SVOA CALIBRATION

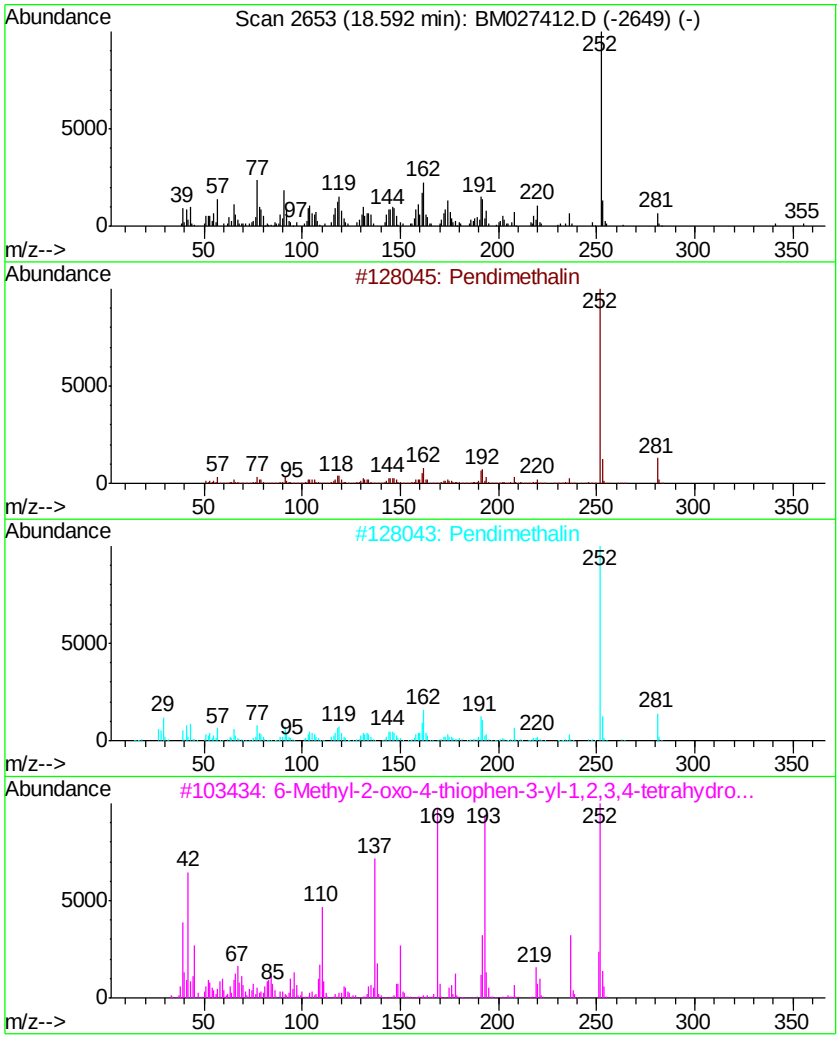
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

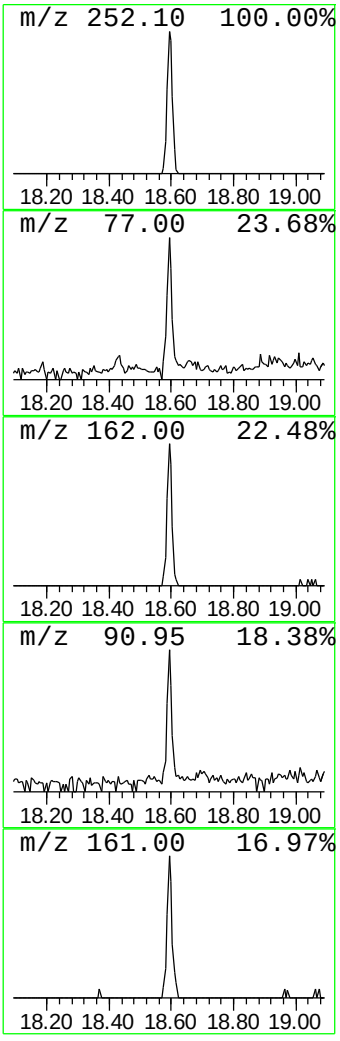
**********

Peak Number 1 Pendimethalin Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.59 | 3.17 ng/ul | 173139 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pendimethalin | 281 | C13H19N3O4 | 040487-42-1 | 97 |
| 2 | Pendimethalin | 281 | C13H19N3O4 | 040487-42-1 | 96 |
| 3 | 6-Methyl-2-oxo-4-thiophen-3-yl-1... | 252 | C11H12N2O3S | 1000296-69-1 | 94 |
| 4 | Pendimethalin | 281 | C13H19N3O4 | 040487-42-1 | 60 |
| 5 | Benzothiophene-2-carboxylic acid... | 252 | C10H8N2O4S | 035212-90-9 | 58 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091520\
Data File : BM027412.D
Acq On : 15 Sep 2020 15:15
Operator : JU/CG
Sample : L3999-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** H17Y3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.M
Quant Title : SVOA CALIBRATION

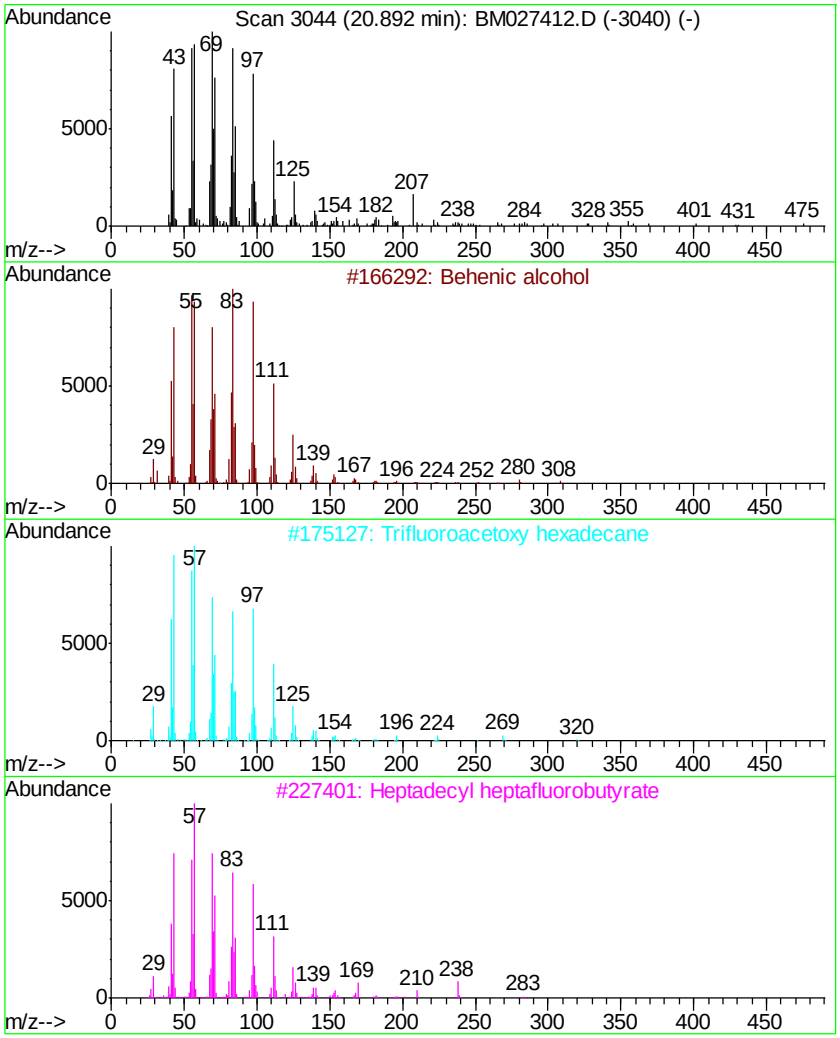
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

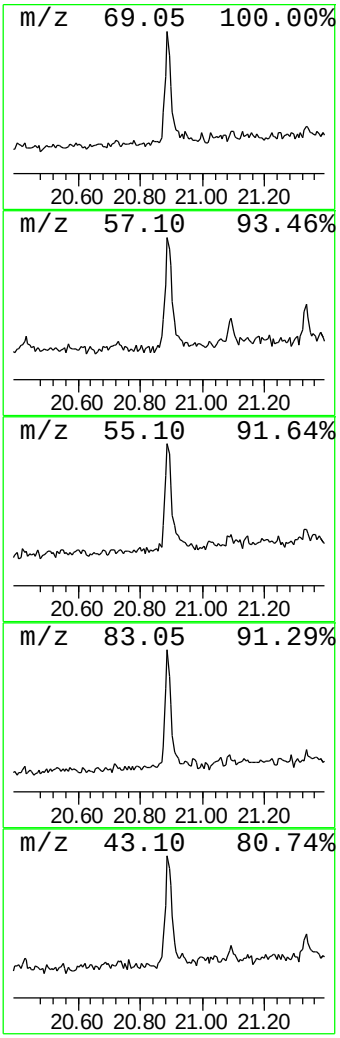
**********

Peak Number 2 Behenic alcohol Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.89 | 3.83 ng/ul | 262140 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 93 |
| 2 | Trifluoroacetoxy hexadecane | 338 | C18H33F3O2 | 006222-03-3 | 91 |
| 3 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 91 |
| 4 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 87 |
| 5 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 86 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091520\
Data File : BM027412.D
Acq On : 15 Sep 2020 15:15
Operator : JU/CG
Sample : L3999-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** H17Y3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.M
Quant Title : SVOA CALIBRATION

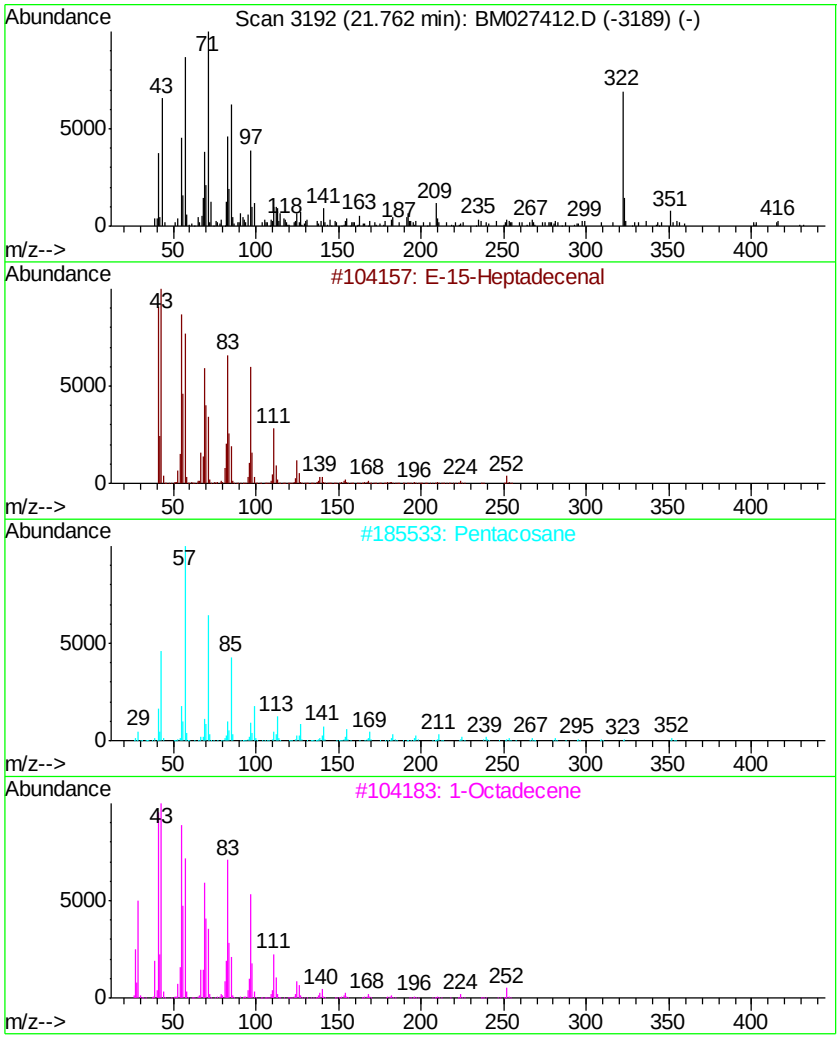
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

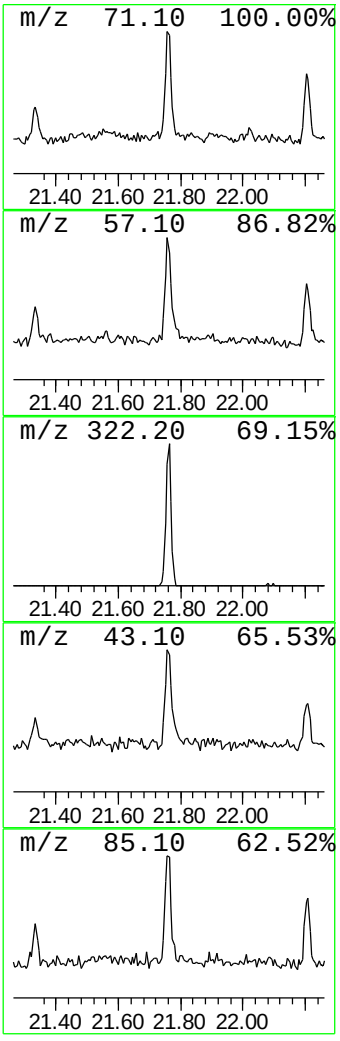
**********

Peak Number 3 E-15-Heptadecenal Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.76 | 2.30 ng/ul | 157434 | Chrysene-d12 | 21.14 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | E-15-Heptadecenal | 252 | C17H32O | 1000130-97-9 | 53 |
| 2 | Pentacosane | 352 | C25H52 | 000629-99-2 | 45 |
| 3 | 1-Octadecene | 252 | C18H36 | 000112-88-9 | 42 |
| 4 | Decane, 2,3,6-trimethyl- | 184 | C13H28 | 062238-12-4 | 38 |
| 5 | Sulfurous acid, octadecyl pentyl... | 404 | C23H48O3S | 1000309-15-0 | 38 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM091520\
Data File : BM027412.D
Acq On : 15 Sep 2020 15:15
Operator : JU/CG
Sample : L3999-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** H17Y3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.M
Quant Title : SVOA CALIBRATION

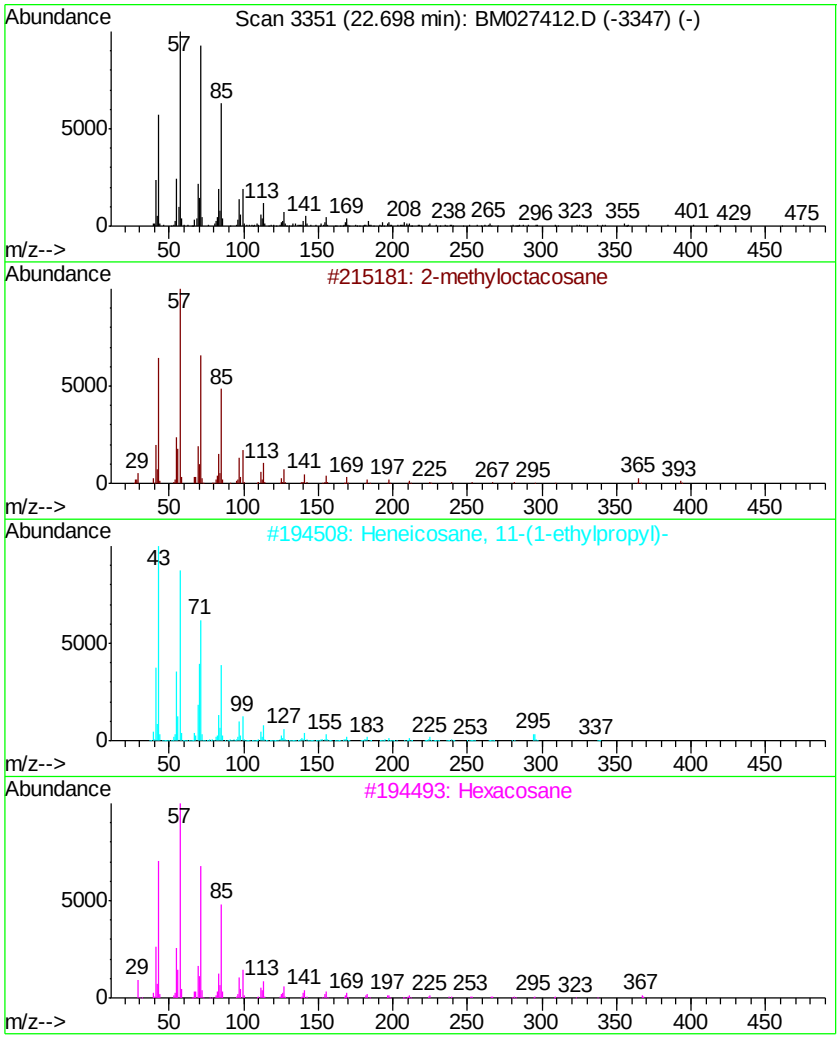
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

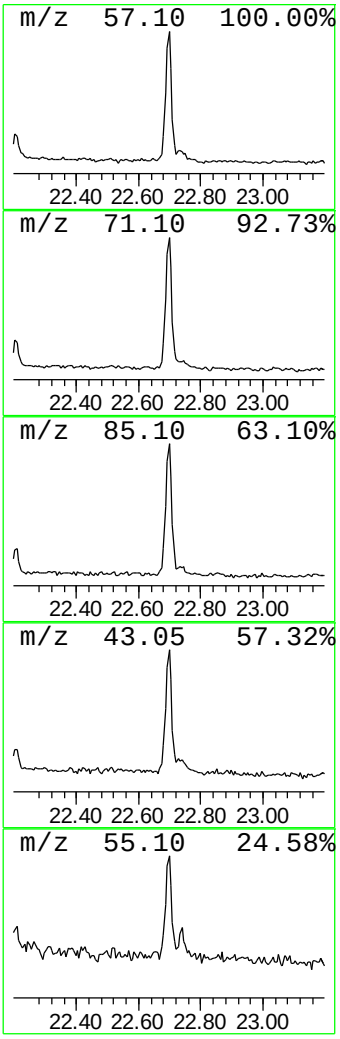
**********

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.70 | 4.05 ng/ul | 318178 | Perylene-d12 | 23.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 2 | Heneicosane, 11-(1-ethylpropyl)- | 366 | C26H54 | 055282-11-6 | 91 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 86 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 83 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091520\
Data File : BM027412.D
Acq On : 15 Sep 2020 15:15
Operator : JU/CG
Sample : L3999-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** H17Y3

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090420MA.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 |
| Pendimethalin | 18.59 | 3.2 | ng/ul | 173139 | 4 | 16.94 | 1091740 | 20.0 |
| Behenic alcohol | 20.89 | 3.8 | ng/ul | 262140 | 5 | 21.14 | 1368960 | 20.0 |
| E-15-Heptadecenal | 21.76 | 2.3 | ng/ul | 157434 | 5 | 21.14 | 1368960 | 20.0 |
| (DEL) Alkane: Str... | 22.70 | 4.0 | ng/ul | 318178 | 6 | 23.31 | 1570220 | 20.0 |