LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023801.D
Acq On : 19 Nov 2019 17:38
Operator : JU
Sample : K5748-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEHP5

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-BM111119MA.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 | 3.063 | 27 | 30 | 36 | rBV | 64309 | 78290 | 0.83% | 0.078% |
| 2 | 6.028 | 529 | 534 | 541 | rBV | 63122 | 90851 | 0.96% | 0.090% |
| 3 | 6.710 | 641 | 650 | 665 | rVB2 | 296867 | 592964 | 6.29% | 0.591% |
| 4 | 6.869 | 670 | 677 | 693 | rBV | 953061 | 1619044 | 17.16% | 1.613% |
| 5 | 7.057 | 699 | 709 | 719 | rBV | 1114973 | 1780368 | 18.87% | 1.773% |
| 6 | 7.516 | 780 | 787 | 796 | rBV | 1280892 | 2043494 | 21.66% | 2.035% |
| 7 | 8.234 | 903 | 909 | 924 | rVV | 854229 | 1401527 | 14.86% | 1.396% |
| 8 | 8.587 | 964 | 969 | 973 | rBV | 35985 | 52440 | 0.56% | 0.052% |
| 9 | 8.669 | 976 | 983 | 995 | rVV | 1222828 | 1984102 | 21.03% | 1.976% |
| 10 | 8.863 | 1010 | 1016 | 1024 | rVB | 289864 | 470545 | 4.99% | 0.469% |
| 11 | 8.975 | 1026 | 1035 | 1043 | rBV | 127371 | 238413 | 2.53% | 0.237% |
| 12 | 9.051 | 1043 | 1048 | 1054 | rVV | 99848 | 163098 | 1.73% | 0.162% |
| 13 | 9.122 | 1055 | 1060 | 1068 | rVB3 | 27684 | 59358 | 0.63% | 0.059% |
| 14 | 9.386 | 1097 | 1105 | 1116 | rBV | 976140 | 1618806 | 17.16% | 1.612% |
| 15 | 9.710 | 1154 | 1160 | 1171 | rBV4 | 42056 | 86298 | 0.91% | 0.086% |
| 16 | 9.798 | 1171 | 1175 | 1179 | rBV4 | 27319 | 44455 | 0.47% | 0.044% |
| 17 | 9.922 | 1189 | 1196 | 1210 | rBV | 1526262 | 2674763 | 28.36% | 2.664% |
| 18 | 10.292 | 1251 | 1259 | 1266 | rVV | 1786779 | 2955234 | 31.33% | 2.943% |
| 19 | 10.357 | 1266 | 1270 | 1277 | rVV5 | 55793 | 125254 | 1.33% | 0.125% |
| 20 | 10.451 | 1280 | 1286 | 1288 | rVV4 | 97276 | 187172 | 1.98% | 0.186% |
| 21 | 10.486 | 1289 | 1292 | 1298 | rVV | 135793 | 255295 | 2.71% | 0.254% |
| 22 | 10.545 | 1298 | 1302 | 1306 | rVV | 77651 | 137303 | 1.46% | 0.137% |
| 23 | 10.592 | 1306 | 1310 | 1317 | rVB2 | 50097 | 92410 | 0.98% | 0.092% |
| 24 | 10.716 | 1326 | 1331 | 1338 | rVV | 95304 | 169052 | 1.79% | 0.168% |
| 25 | 11.063 | 1385 | 1390 | 1397 | rVB | 31599 | 53492 | 0.57% | 0.053% |
| 26 | 11.398 | 1440 | 1447 | 1454 | rBV | 393782 | 697458 | 7.39% | 0.695% |
| 27 | 11.857 | 1518 | 1525 | 1529 | rBV | 101354 | 176253 | 1.87% | 0.176% |
| 28 | 12.192 | 1577 | 1582 | 1588 | rVB | 190071 | 307874 | 3.26% | 0.307% |
| 29 | 12.975 | 1708 | 1715 | 1718 | rVV5 | 32078 | 62619 | 0.66% | 0.062% |
| 30 | 13.145 | 1739 | 1744 | 1747 | rBV2 | 30477 | 49129 | 0.52% | 0.049% |
| 31 | 13.227 | 1754 | 1758 | 1763 | rVB2 | 57539 | 83068 | 0.88% | 0.083% |
| 32 | 13.345 | 1774 | 1778 | 1786 | rVV6 | 34055 | 67678 | 0.72% | 0.067% |
| 33 | 13.486 | 1797 | 1802 | 1809 | rBV10 | 21207 | 58289 | 0.62% | 0.058% |
| 34 | 13.598 | 1813 | 1821 | 1826 | rBV | 3014106 | 4274178 | 45.31% | 4.257% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023801.D
Acq On : 19 Nov 2019 17:38
Operator : JU
Sample : K5748-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEHP5

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-BM111119MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.645 | 1826 | 1829 | 1834 | rVB | 165576 | 218460 | 2.32% | 0.218% |
| 36 | 13.727 | 1839 | 1843 | 1846 | rVV | 77250 | 112294 | 1.19% | 0.112% |
| 37 | 13.763 | 1846 | 1849 | 1855 | rVB | 78128 | 114795 | 1.22% | 0.114% |
| 38 | 13.863 | 1859 | 1866 | 1881 | rBV | 3303186 | 5074501 | 53.80% | 5.054% |
| 39 | 14.174 | 1910 | 1919 | 1925 | rVV2 | 2644255 | 3925426 | 41.62% | 3.910% |
| 40 | 14.239 | 1925 | 1930 | 1941 | rVV | 1647276 | 2337602 | 24.78% | 2.328% |
| 41 | 14.410 | 1953 | 1959 | 1967 | rBV | 165456 | 321631 | 3.41% | 0.320% |
| 42 | 14.492 | 1969 | 1973 | 1980 | rVB | 43823 | 73759 | 0.78% | 0.073% |
| 43 | 14.580 | 1980 | 1988 | 1993 | rBV | 80036 | 140389 | 1.49% | 0.140% |
| 44 | 15.033 | 2058 | 2065 | 2074 | rBV5 | 38420 | 108014 | 1.15% | 0.108% |
| 45 | 15.174 | 2074 | 2089 | 2094 | rBV | 4454995 | 6414492 | 68.00% | 6.389% |
| 46 | 15.233 | 2094 | 2099 | 2105 | rVB | 1193188 | 1741037 | 18.46% | 1.734% |
| 47 | 15.310 | 2106 | 2112 | 2118 | rVV | 1354283 | 1862923 | 19.75% | 1.855% |
| 48 | 15.392 | 2122 | 2126 | 2135 | rVV3 | 175470 | 371715 | 3.94% | 0.370% |
| 49 | 15.486 | 2138 | 2142 | 2145 | rVV3 | 29564 | 47607 | 0.50% | 0.047% |
| 50 | 15.527 | 2145 | 2149 | 2156 | rVB | 195703 | 318968 | 3.38% | 0.318% |
| 51 | 15.633 | 2162 | 2167 | 2171 | rBV | 126449 | 192118 | 2.04% | 0.191% |
| 52 | 15.674 | 2171 | 2174 | 2184 | rVB | 275667 | 501018 | 5.31% | 0.499% |
| 53 | 15.768 | 2184 | 2190 | 2195 | rBV | 37529 | 62885 | 0.67% | 0.063% |
| 54 | 15.910 | 2209 | 2214 | 2220 | rVB2 | 119963 | 199958 | 2.12% | 0.199% |
| 55 | 16.039 | 2229 | 2236 | 2243 | rVB2 | 18511 | 46180 | 0.49% | 0.046% |
| 56 | 16.151 | 2249 | 2255 | 2258 | rVV6 | 63569 | 98291 | 1.04% | 0.098% |
| 57 | 16.186 | 2258 | 2261 | 2263 | rVV4 | 37997 | 51508 | 0.55% | 0.051% |
| 58 | 16.215 | 2264 | 2266 | 2268 | rVV3 | 43246 | 49032 | 0.52% | 0.049% |
| 59 | 16.239 | 2268 | 2270 | 2275 | rVB5 | 40596 | 47593 | 0.50% | 0.047% |
| 60 | 16.386 | 2291 | 2295 | 2300 | rVB3 | 50586 | 72825 | 0.77% | 0.073% |
| 61 | 16.474 | 2303 | 2310 | 2312 | rBV6 | 41664 | 66904 | 0.71% | 0.067% |
| 62 | 16.663 | 2338 | 2342 | 2346 | rBV7 | 23676 | 51257 | 0.54% | 0.051% |
| 63 | 16.745 | 2348 | 2356 | 2361 | rBV2 | 183365 | 314401 | 3.33% | 0.313% |
| 64 | 16.927 | 2377 | 2387 | 2392 | rBV | 3301887 | 4874133 | 51.67% | 4.855% |
| 65 | 17.027 | 2398 | 2404 | 2416 | rBV | 5040858 | 7035556 | 74.59% | 7.007% |
| 66 | 17.133 | 2416 | 2422 | 2427 | rVB4 | 47625 | 101731 | 1.08% | 0.101% |
| 67 | 17.257 | 2438 | 2443 | 2446 | rBV5 | 28832 | 45151 | 0.48% | 0.045% |
| 68 | 17.333 | 2448 | 2456 | 2461 | rVV | 175200 | 285820 | 3.03% | 0.285% |
| 69 | 17.380 | 2461 | 2464 | 2469 | rVB6 | 40469 | 60259 | 0.64% | 0.060% |
| 70 | 17.457 | 2469 | 2477 | 2484 | rBV5 | 70950 | 168129 | 1.78% | 0.167% |
| 71 | 17.651 | 2504 | 2510 | 2513 | rBV2 | 104716 | 167288 | 1.77% | 0.167% |

LSC Area Percent Report

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Acq On : 19 Nov 2019 17:38
Operator : JU
Sample : K5748-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEHP5

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-BM111119MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 17.686 | 2513 | 2516 | 2522 | rVB4 | 58802 | 102910 | 1.09% | 0.102% |
| 73 | 17.757 | 2522 | 2528 | 2529 | rBV6 | 40897 | 77265 | 0.82% | 0.077% |
| 74 | 17.851 | 2539 | 2544 | 2554 | rBV | 518379 | 792792 | 8.40% | 0.790% |
| 75 | 17.998 | 2565 | 2569 | 2573 | rBV | 96712 | 138430 | 1.47% | 0.138% |
| 76 | 18.109 | 2583 | 2588 | 2591 | rBV3 | 39322 | 67512 | 0.72% | 0.067% |
| 77 | 18.151 | 2591 | 2595 | 2601 | rBV | 138007 | 210379 | 2.23% | 0.210% |
| 78 | 18.245 | 2607 | 2611 | 2619 | rVB | 154262 | 249747 | 2.65% | 0.249% |
| 79 | 18.315 | 2619 | 2623 | 2631 | rVB9 | 44868 | 84458 | 0.90% | 0.084% |
| 80 | 18.721 | 2687 | 2692 | 2700 | rVB7 | 53086 | 109421 | 1.16% | 0.109% |
| 81 | 18.962 | 2728 | 2733 | 2735 | rVV2 | 72543 | 116968 | 1.24% | 0.117% |
| 82 | 18.992 | 2735 | 2738 | 2746 | rVB | 214122 | 308858 | 3.27% | 0.308% |
| 83 | 19.145 | 2760 | 2764 | 2769 | rBV2 | 114587 | 168426 | 1.79% | 0.168% |
| 84 | 19.215 | 2772 | 2776 | 2780 | rVV | 65568 | 87767 | 0.93% | 0.087% |
| 85 | 19.333 | 2787 | 2796 | 2807 | rBV | 6156591 | 8827451 | 93.58% | 8.792% |
| 86 | 19.503 | 2823 | 2825 | 2829 | rVB | 42291 | 45155 | 0.48% | 0.045% |
| 87 | 19.680 | 2850 | 2855 | 2856 | rBV4 | 78176 | 116313 | 1.23% | 0.116% |
| 88 | 19.698 | 2856 | 2858 | 2861 | rVV2 | 112097 | 135386 | 1.44% | 0.135% |
| 89 | 19.739 | 2861 | 2865 | 2870 | rVV3 | 192480 | 298295 | 3.16% | 0.297% |
| 90 | 20.421 | 2977 | 2981 | 2984 | rBV2 | 134920 | 208961 | 2.22% | 0.208% |
| 91 | 20.874 | 3054 | 3058 | 3064 | rBV | 411619 | 586414 | 6.22% | 0.584% |
| 92 | 21.133 | 3096 | 3102 | 3110 | rBV | 4312176 | 5601928 | 59.39% | 5.580% |
| 93 | 21.315 | 3130 | 3133 | 3138 | rBV2 | 193317 | 218210 | 2.31% | 0.217% |
| 94 | 21.733 | 3201 | 3204 | 3212 | rBV | 377001 | 512384 | 5.43% | 0.510% |
| 95 | 22.180 | 3277 | 3280 | 3285 | rVB | 587318 | 672789 | 7.13% | 0.670% |
| 96 | 22.668 | 3359 | 3363 | 3369 | rVB | 634119 | 892823 | 9.47% | 0.889% |
| 97 | 23.150 | 3438 | 3445 | 3451 | rBV | 5371305 | 9432667 | 100.00% | 9.395% |
| 98 | 23.209 | 3451 | 3455 | 3460 | rVV | 687548 | 1069422 | 11.34% | 1.065% |
| 99 | 23.280 | 3461 | 3467 | 3479 | rVB | 3234352 | 5942999 | 63.00% | 5.919% |
| 100 | 23.821 | 3556 | 3559 | 3568 | rVB | 543751 | 899279 | 9.53% | 0.896% |

Sum of corrected areas: 100401633

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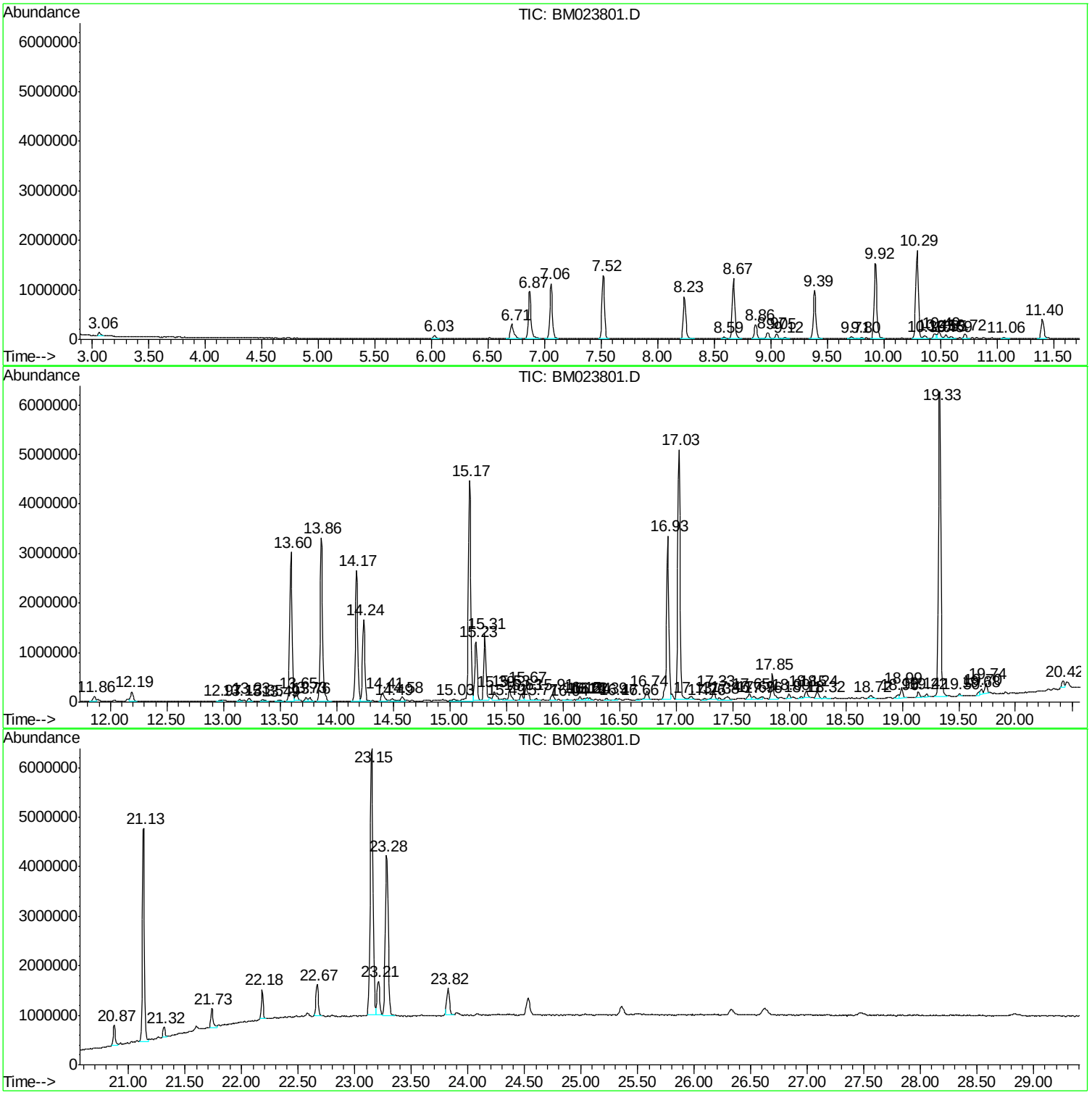
Sample : K5748-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BEHP5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.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\BM111919\
Data File : BM023801.D
Acq On : 19 Nov 2019 17:38
Operator : JU
Sample : K5748-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEHP5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

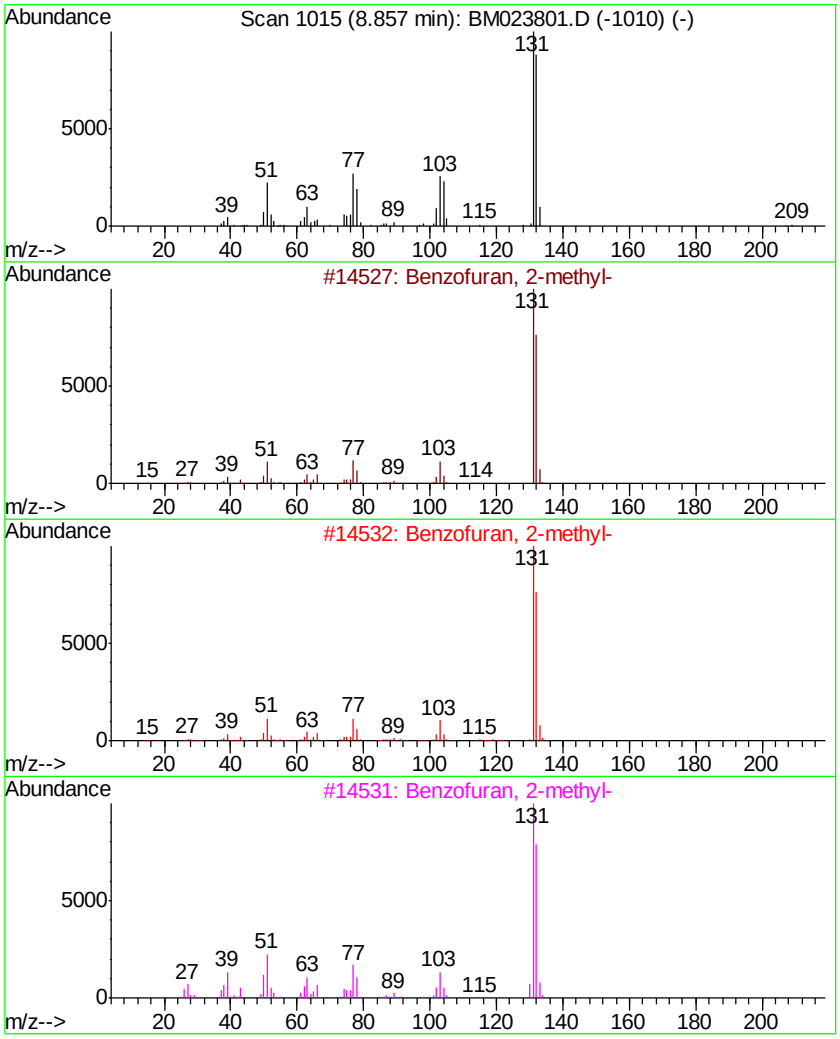
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

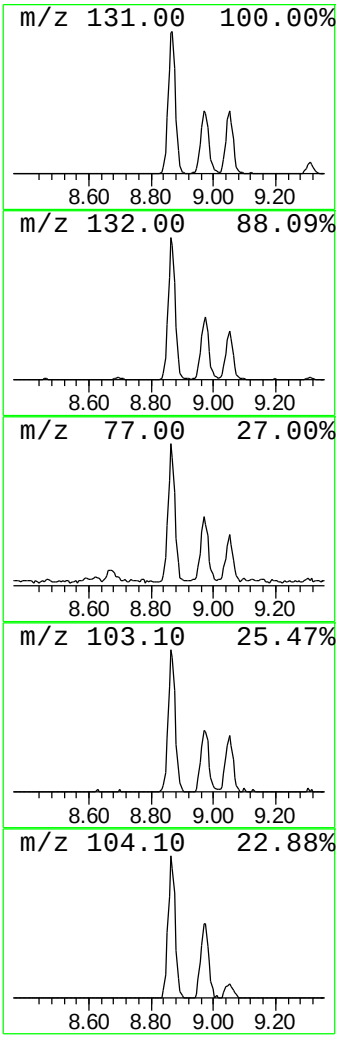
**********

Peak Number 1 Benzofuran, 2-methyl- Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.86 | 4.61 ng/ul | 470545 | 1,4-Dichlorobenzene-d4 | 7.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 91 |
| 2 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 91 |
| 3 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 91 |
| 4 | 2-Propenal, 3-phenyl- | 132 | C9H8O | 000104-55-2 | 87 |
| 5 | Cinnamaldehyde, (E)- | 132 | C9H8O | 014371-10-9 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023801.D
Acq On : 19 Nov 2019 17:38
Operator : JU
Sample : K5748-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEHP5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

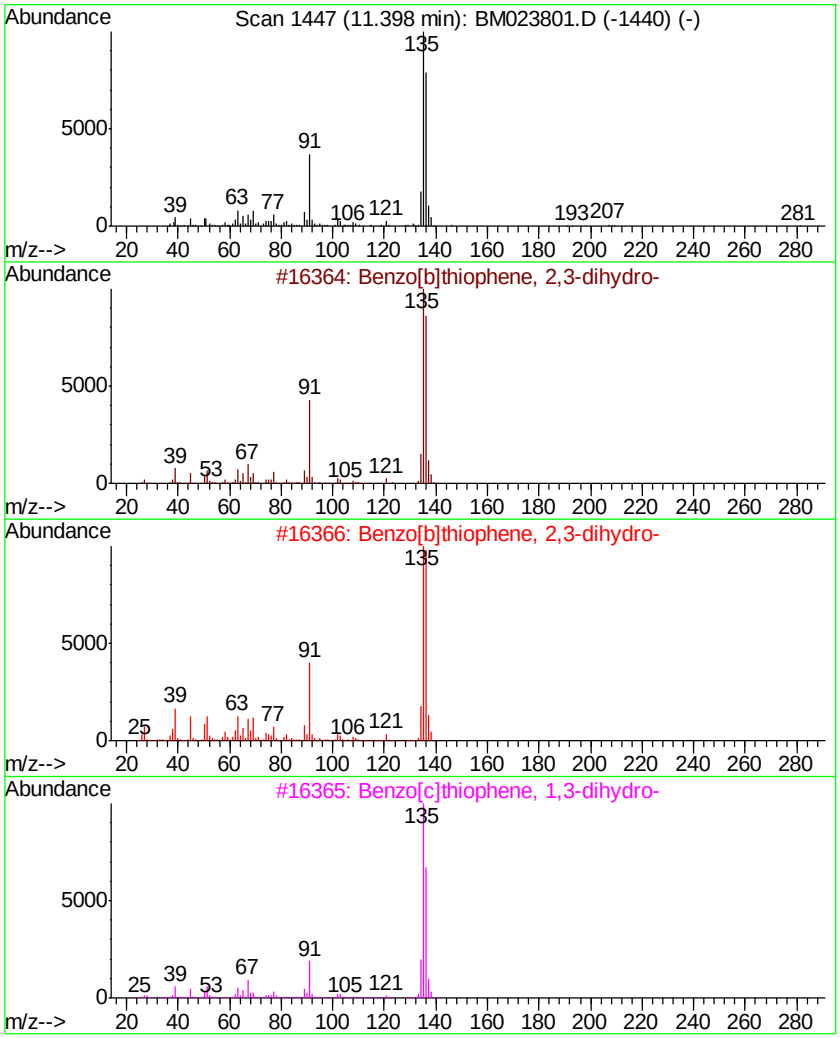
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

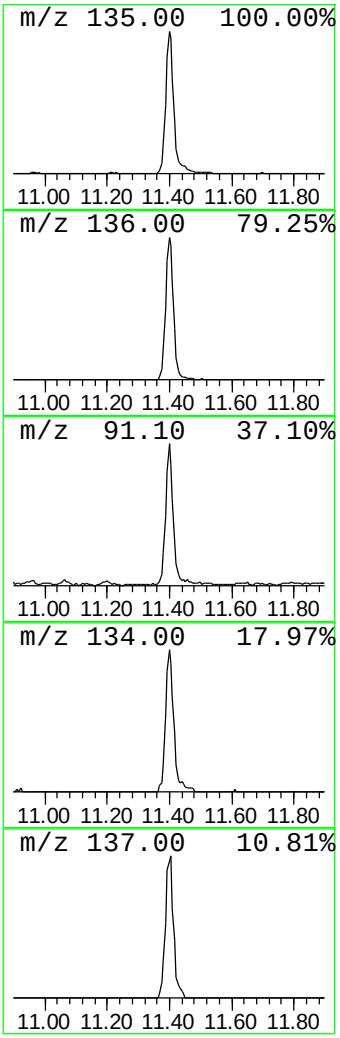
**********

Peak Number 2 Benzo[b]thiophene, 2,3-dihy... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.40 | 4.72 ng/ul | 697458 | Naphthalene-d8 | 10.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]thiophene, 2,3-dihydro- | 136 | C8H8S | 004565-32-6 | 95 |
| 2 | Benzo[b]thiophene, 2,3-dihydro- | 136 | C8H8S | 004565-32-6 | 91 |
| 3 | Benzo[c]thiophene, 1,3-dihydro- | 136 | C8H8S | 002471-92-3 | 90 |
| 4 | Benzene, (ethenylthio)- | 136 | C8H8S | 001822-73-7 | 86 |
| 5 | 2-Hydroxy-3-methylbenzaldehyde | 136 | C8H8O2 | 000824-42-0 | 72 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023801.D
Acq On : 19 Nov 2019 17:38
Operator : JU
Sample : K5748-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEHP5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

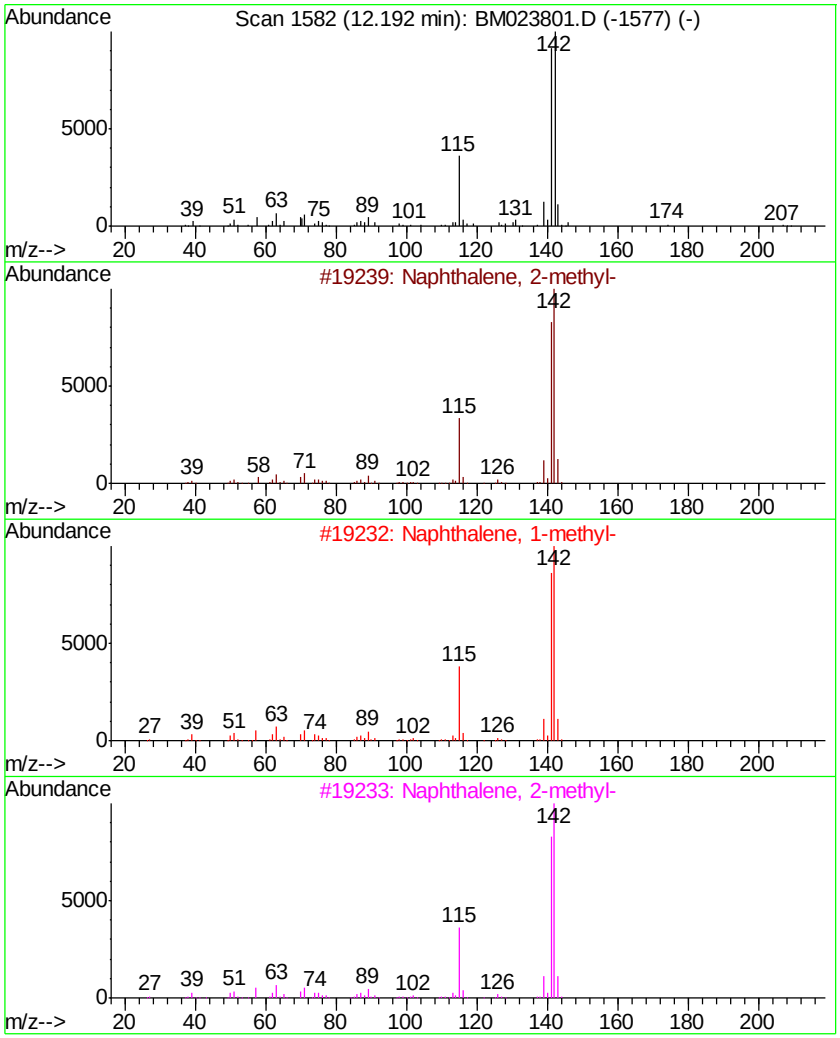
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

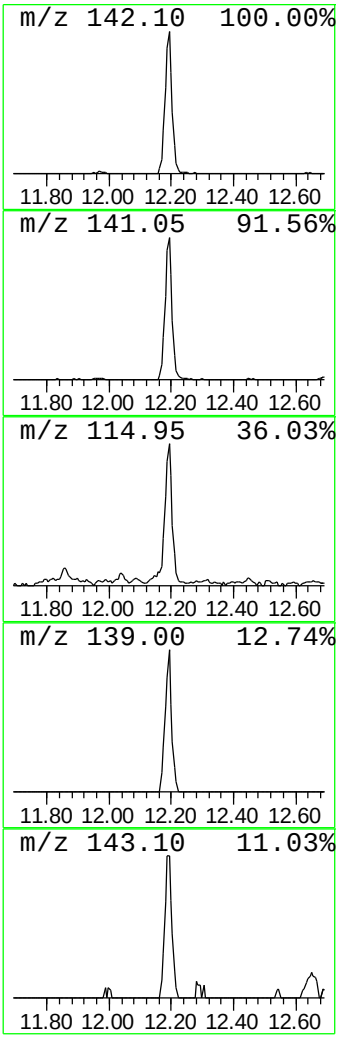
**********

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.19 | 2.08 ng/ul | 307874 | Naphthalene-d8 | 10.29 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 97 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 97 |
| 3 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 95 |
| 4 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 94 |
| 5 | 1H-Indene, 1-ethylidene- | 142 | C11H10 | 002471-83-2 | 91 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023801.D
Acq On : 19 Nov 2019 17:38
Operator : JU
Sample : K5748-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEHP5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

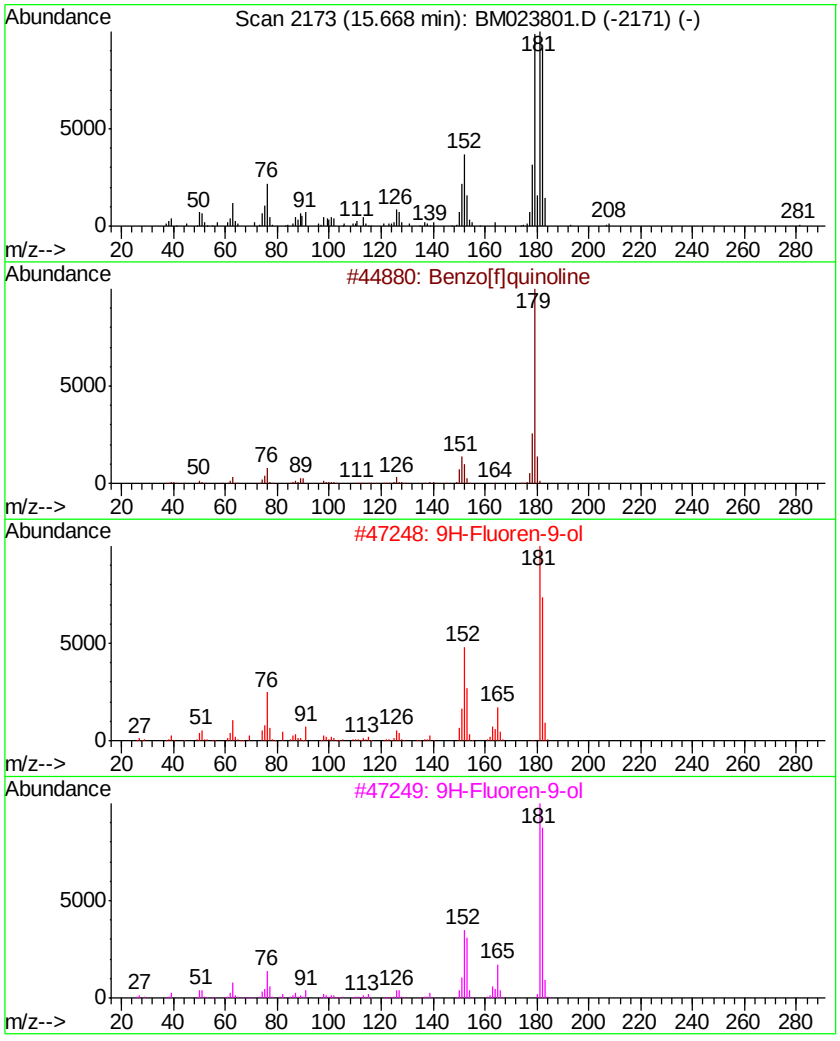
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

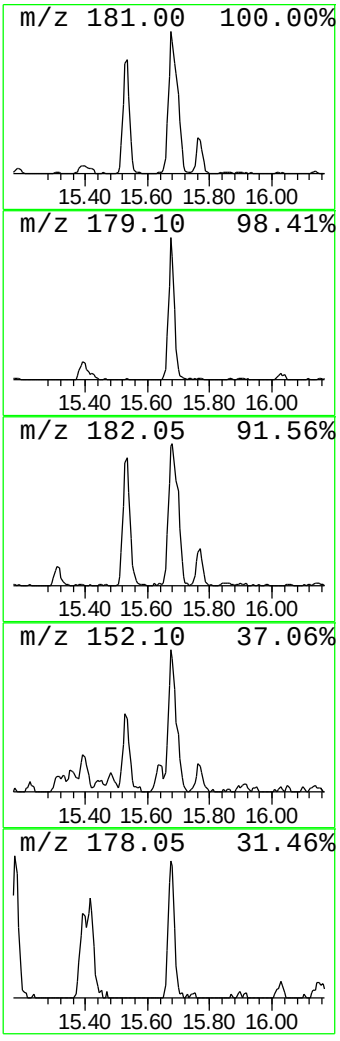
**********

Peak Number 4 Benzo[f]quinoline Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.67 | 2.06 ng/ul | 501018 | Phenanthrene-d10 | 16.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[f]quinoline | 179 | C13H9N | 000085-02-9 | 60 |
| 2 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 53 |
| 3 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 53 |
| 4 | Acridine | 179 | C13H9N | 000260-94-6 | 46 |
| 5 | Acridine | 179 | C13H9N | 000260-94-6 | 46 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023801.D
Acq On : 19 Nov 2019 17:38
Operator : JU
Sample : K5748-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEHP5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

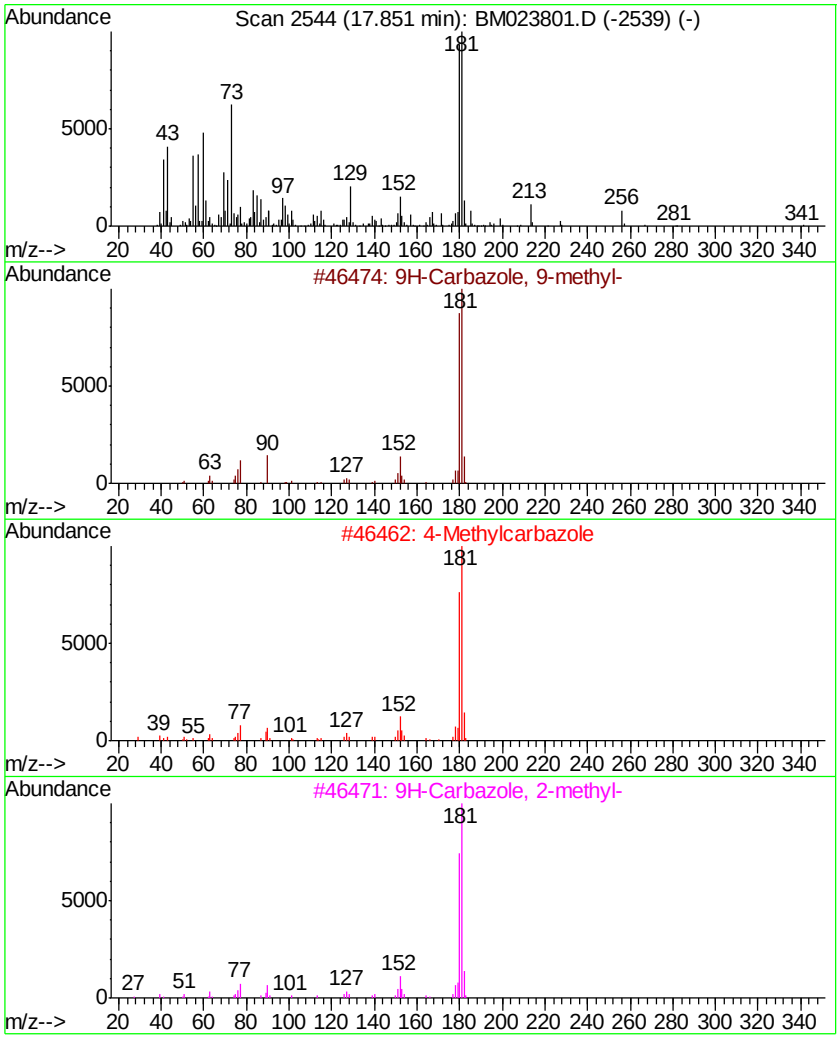
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

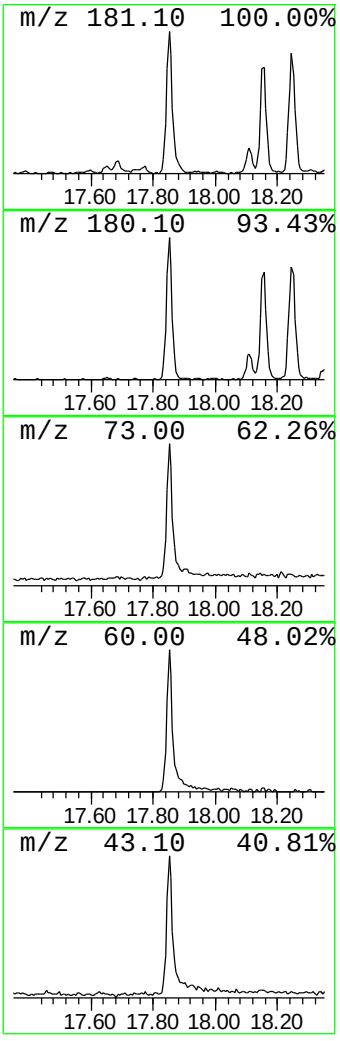
**********

Peak Number 5 9H-Carbazole, 9-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.85 | 3.25 ng/ul | 792792 | Phenanthrene-d10 | 16.93 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Carbazole, 9-methyl- | 181 | C13H11N | 001484-12-4 | 97 |
| 2 | 4-Methylcarbazole | 181 | C13H11N | 003770-48-7 | 96 |
| 3 | 9H-Carbazole, 2-methyl- | 181 | C13H11N | 003652-91-3 | 96 |
| 4 | 3-Methylcarbazole | 181 | C13H11N | 004630-20-0 | 91 |
| 5 | 3-Methylcarbazole | 181 | C13H11N | 004630-20-0 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023801.D
Acq On : 19 Nov 2019 17:38
Operator : JU
Sample : K5748-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEHP5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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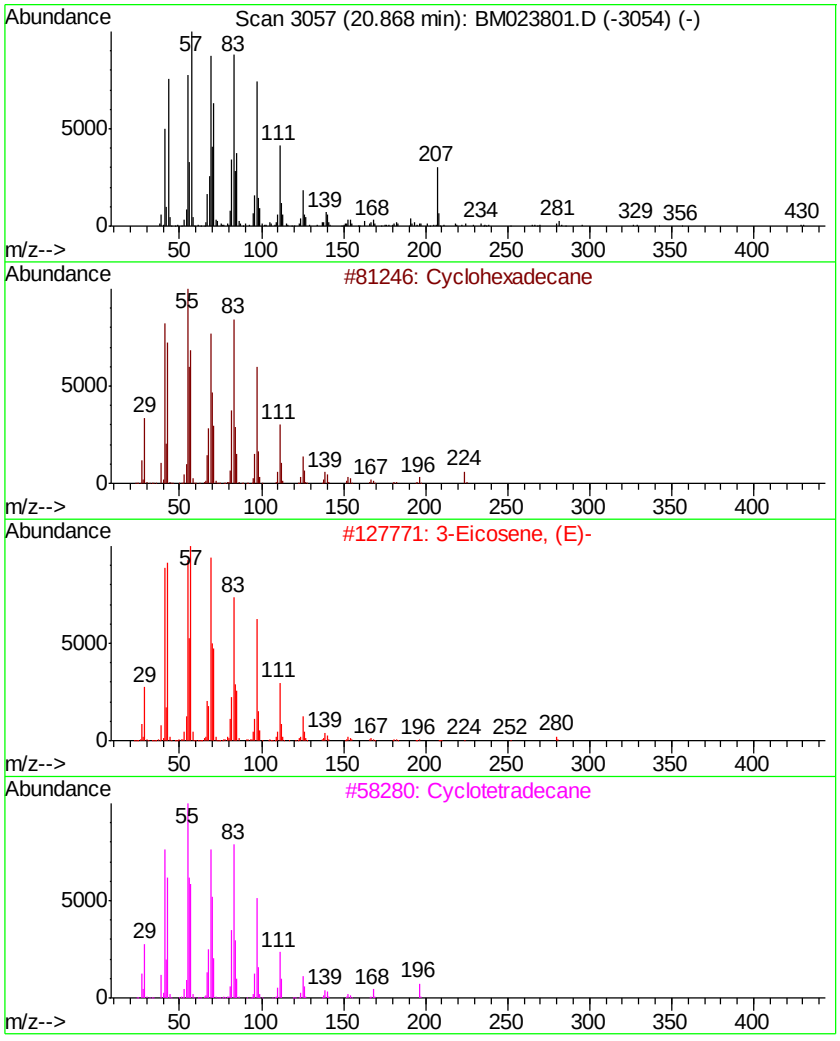
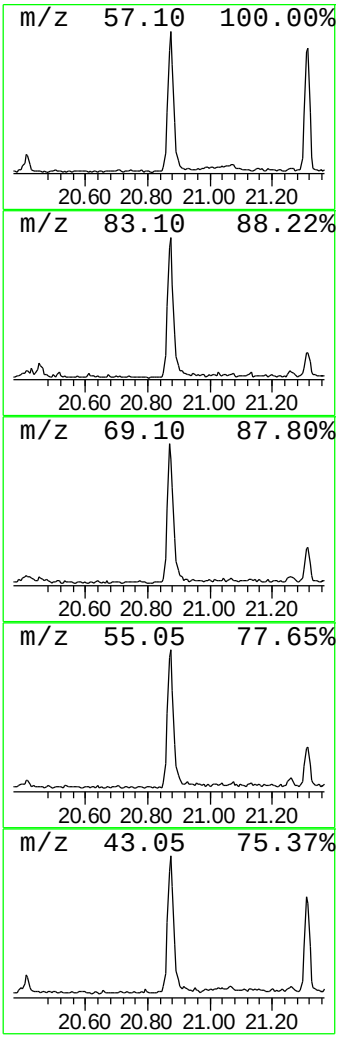
Peak Number 6 (DEL) Alkane: Cyclic20.87 Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.87 | 2.09 ng/ul | 586414 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 98 |
| 2 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 98 |
| 3 | Cyclotetradecane | 196 | C14H28 | 000295-17-0 | 95 |
| 4 | Oxalic acid, hexadecyl propyl ester | 356 | C21H40O4 | 1000309-26-9 | 81 |
| 5 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 81 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023801.D
Acq On : 19 Nov 2019 17:38
Operator : JU
Sample : K5748-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEHP5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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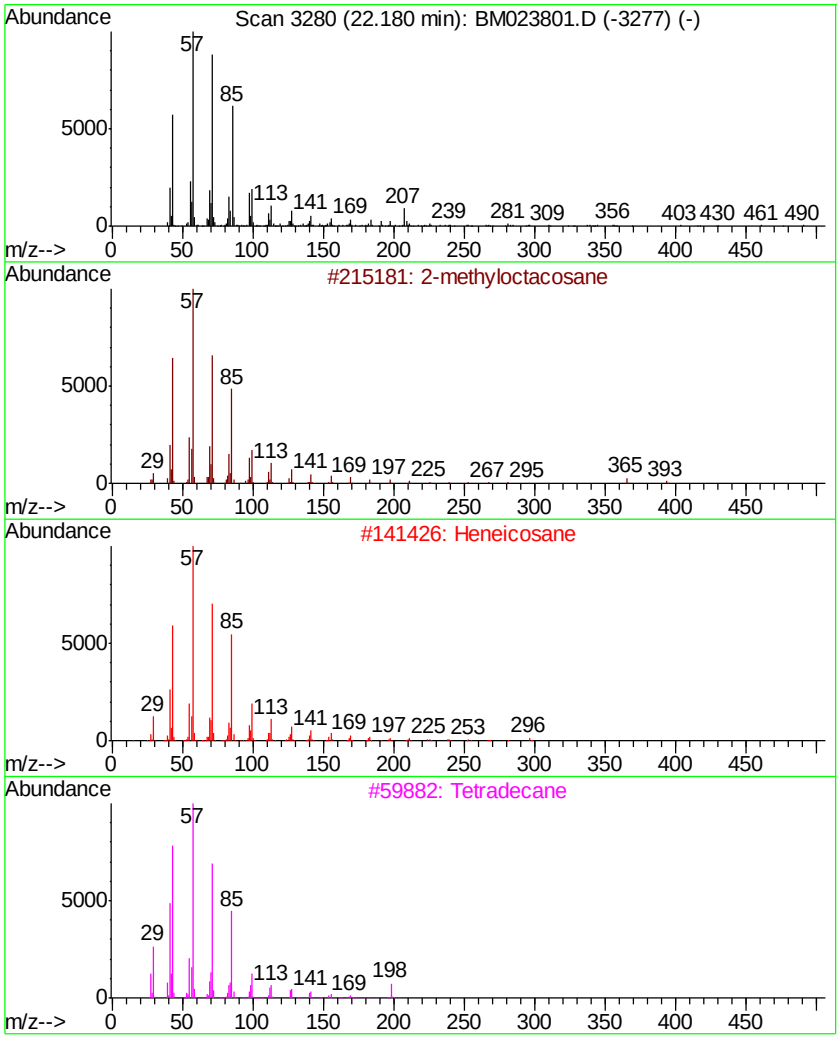
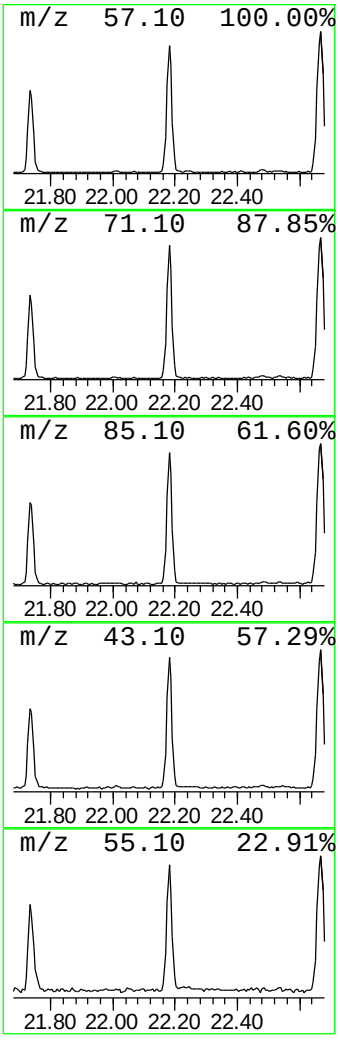
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.18 | 2.40 ng/ul | 672789 | Chrysene-d12 | 21.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 91 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 87 |
| 4 | Tridecane, 6-propyl- | 226 | C16H34 | 055045-10-8 | 87 |
| 5 | Docosane | 310 | C22H46 | 000629-97-0 | 86 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023801.D
Acq On : 19 Nov 2019 17:38
Operator : JU
Sample : K5748-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEHP5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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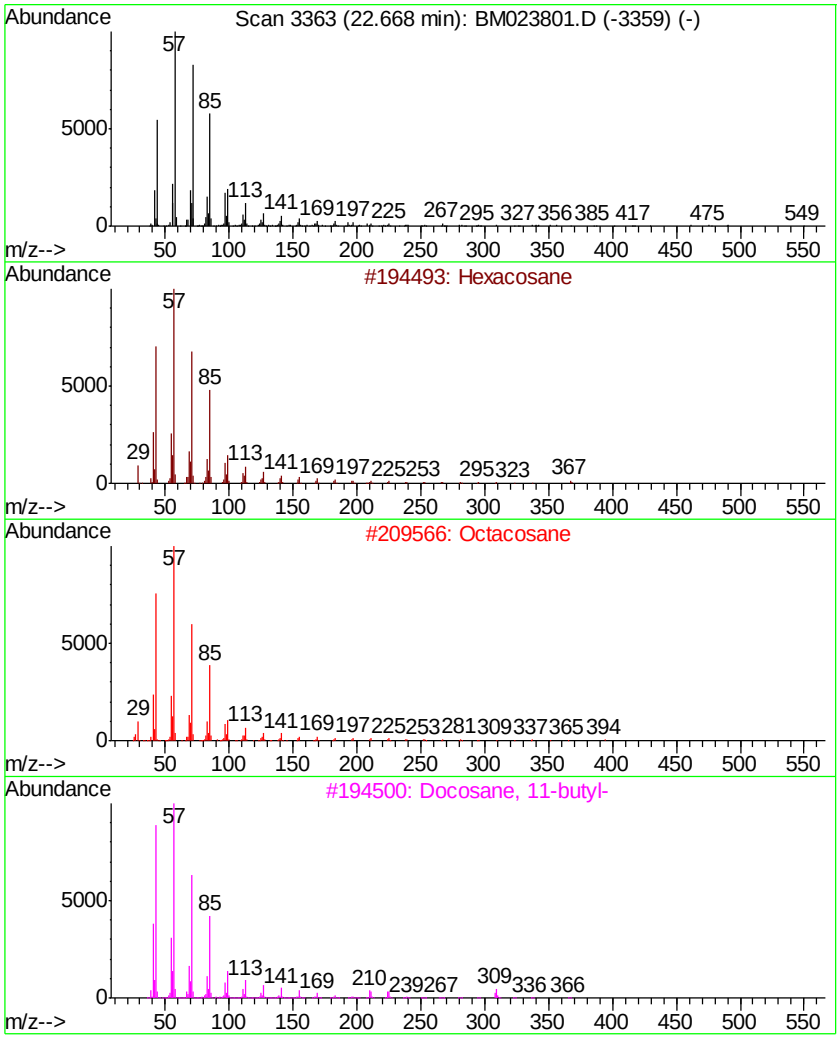
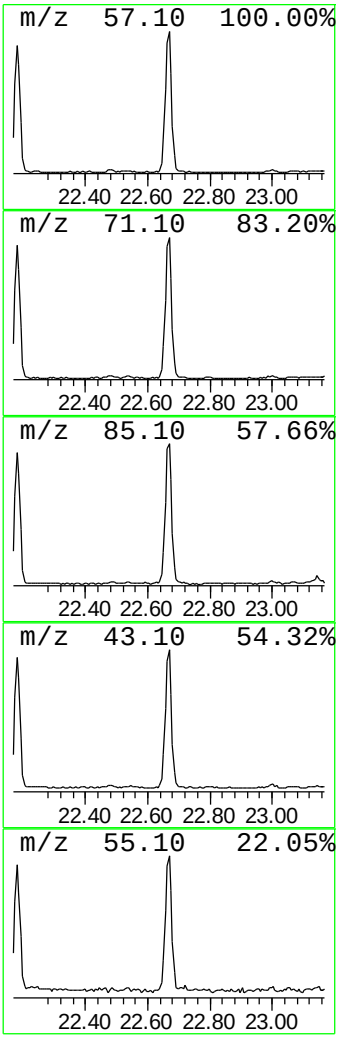
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.67 | 3.00 ng/ul | 892823 | Perylene-d12 | 23.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 91 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 3 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 91 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 5 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023801.D
Acq On : 19 Nov 2019 17:38
Operator : JU
Sample : K5748-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEHP5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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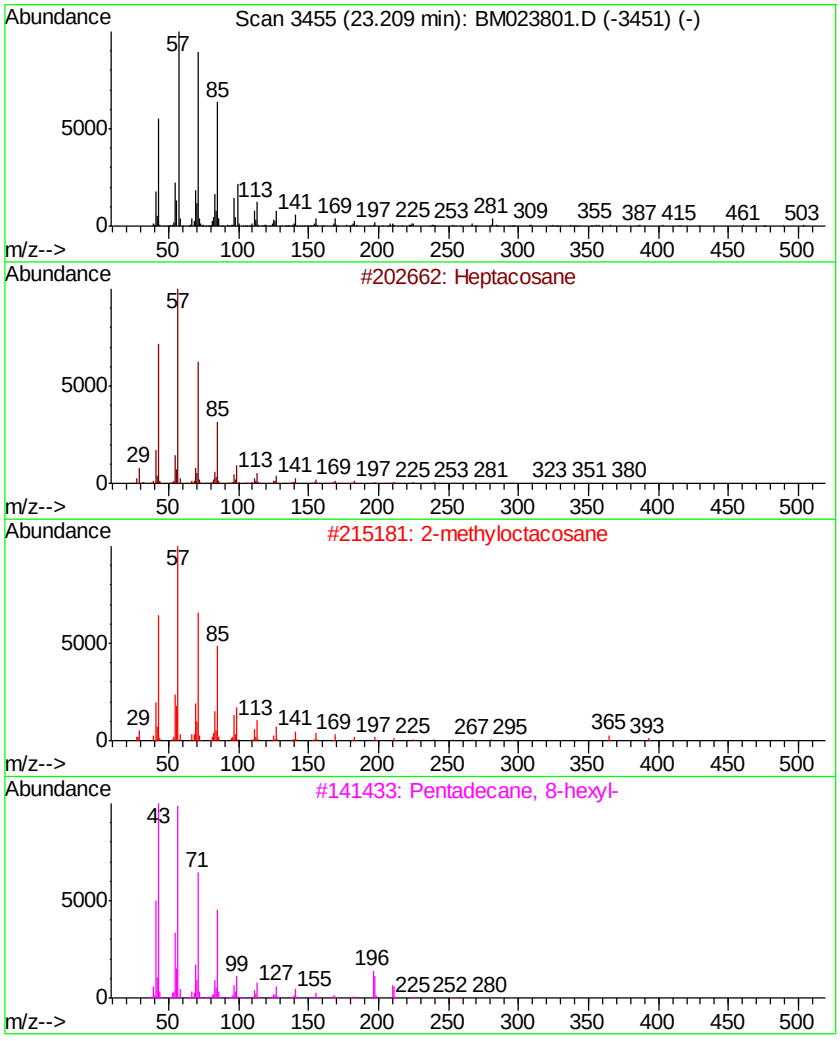
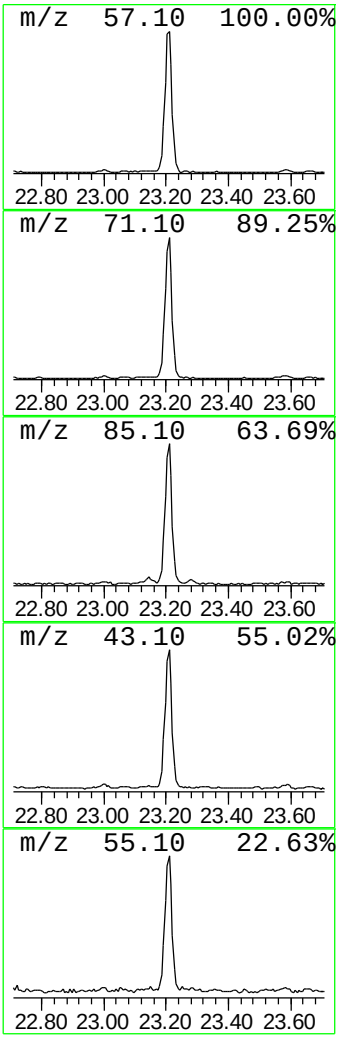
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.21 | 3.60 ng/ul | 1069420 | Perylene-d12 | 23.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptacosane | 380 | C27H56 | 000593-49-7 | 90 |
| 2 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 90 |
| 3 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 87 |
| 4 | Triacontane | 422 | C30H62 | 000638-68-6 | 87 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 86 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111919\
Data File : BM023801.D
Acq On : 19 Nov 2019 17:38
Operator : JU
Sample : K5748-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEHP5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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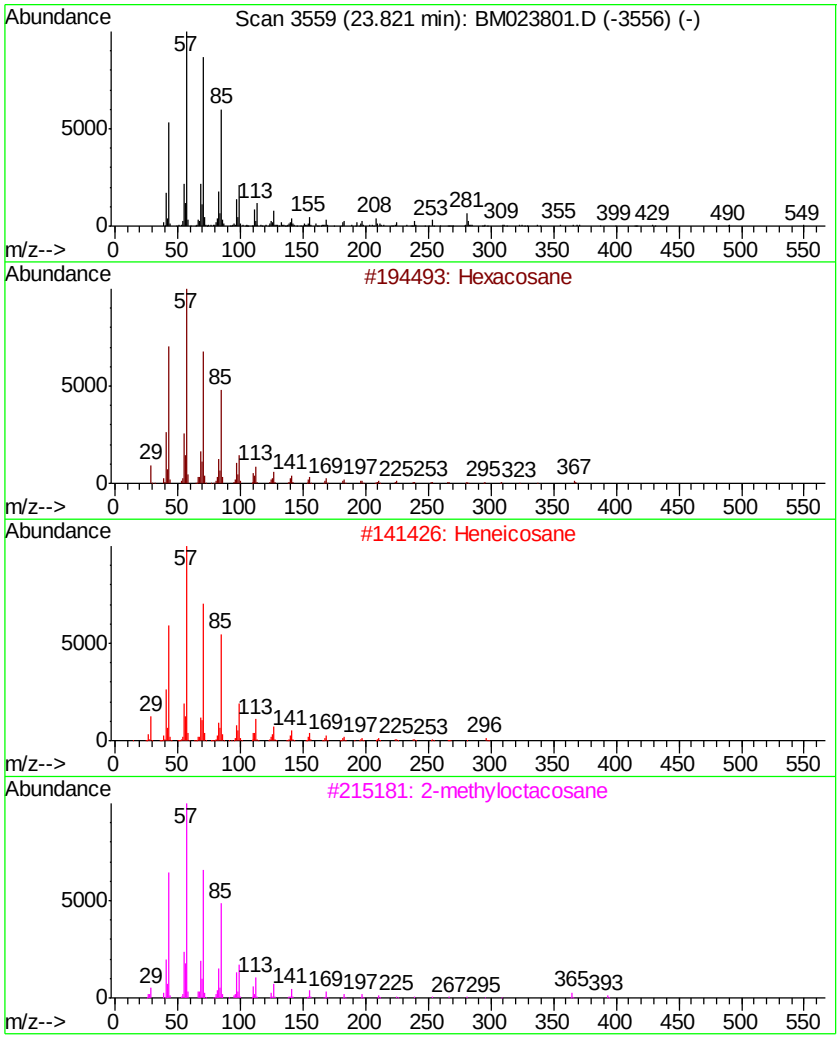
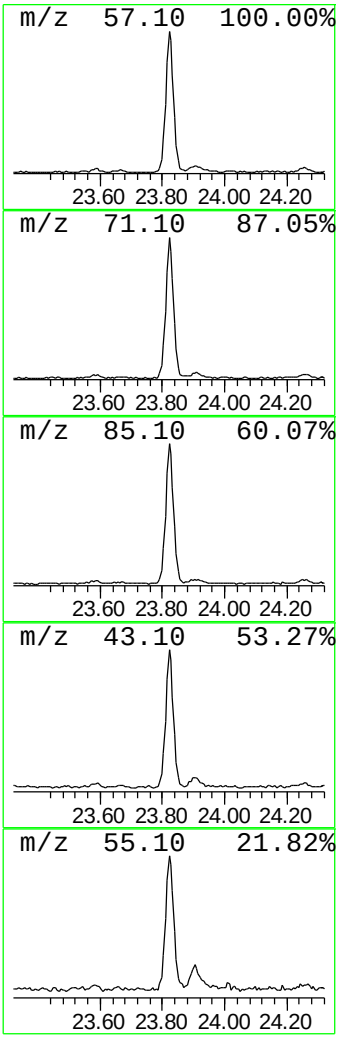
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.82 | 3.03 ng/ul | 899279 | Perylene-d12 | 23.28 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 87 |
| 3 | 2-methyloctacosane | 408 | C29H60 | 1000376-72-8 | 87 |
| 4 | Hexacosane, 9-octyl- | 479 | C34H70 | 055429-83-9 | 86 |
| 5 | Triacontane | 422 | C30H62 | 000638-68-6 | 86 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM111919\
Data File : BM023801.D
Acq On : 19 Nov 2019 17:38
Operator : JU
Sample : K5748-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEHP5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.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 |
| Benzofuran, 2-met... | 8.86 | 4.6 | ng/ul | 470545 | 1 | 7.52 | 2043490 | 20.0 |
| Benzo[b]thiophene... | 11.40 | 4.7 | ng/ul | 697458 | 2 | 10.29 | 2955230 | 20.0 |
| Naphthalene, 1-me... | 12.19 | 2.1 | ng/ul | 307874 | 2 | 10.29 | 2955230 | 20.0 |
| Benzo[f]quinoline | 15.67 | 2.1 | ng/ul | 501018 | 4 | 16.93 | 4874130 | 20.0 |
| 9H-Carbazole, 9-m... | 17.85 | 3.3 | ng/ul | 792792 | 4 | 16.93 | 4874130 | 20.0 |
| (DEL) Alkane: Cyc... | 20.87 | 2.1 | ng/ul | 586414 | 5 | 21.13 | 5601930 | 20.0 |
| (DEL) Alkane: Str... | 22.18 | 2.4 | ng/ul | 672789 | 5 | 21.13 | 5601930 | 20.0 |
| (DEL) Alkane: Str... | 22.67 | 3.0 | ng/ul | 892823 | 6 | 23.28 | 5943000 | 20.0 |
| (DEL) Alkane: Str... | 23.21 | 3.6 | ng/ul | 1069420 | 6 | 23.28 | 5943000 | 20.0 |
| (DEL) Alkane: Str... | 23.82 | 3.0 | ng/ul | 899279 | 6 | 23.28 | 5943000 | 20.0 |