LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008328.D
Acq On : 15 Dec 2016 02:49
Operator : UM/SJ
Sample : H5976-16
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.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 | 2.893 | 48 | 52 | 58 | rBV | 36634 | 50101 | 1.50% | 0.089% |
| 2 | 6.169 | 603 | 609 | 616 | rBV | 94384 | 157028 | 4.71% | 0.280% |
| 3 | 6.869 | 723 | 728 | 739 | rVB | 79738 | 162438 | 4.87% | 0.289% |
| 4 | 7.016 | 746 | 753 | 759 | rBV | 422182 | 674956 | 20.25% | 1.202% |
| 5 | 7.210 | 780 | 786 | 800 | rBV | 430023 | 751452 | 22.54% | 1.338% |
| 6 | 7.669 | 858 | 864 | 877 | rBV | 508403 | 835972 | 25.08% | 1.488% |
| 7 | 7.775 | 877 | 882 | 888 | rVB | 37358 | 58697 | 1.76% | 0.104% |
| 8 | 8.028 | 918 | 925 | 939 | rBV | 2081762 | 3319309 | 99.56% | 5.909% |
| 9 | 8.198 | 949 | 954 | 963 | rVB | 105982 | 197096 | 5.91% | 0.351% |
| 10 | 8.386 | 980 | 986 | 998 | rBV | 311343 | 566703 | 17.00% | 1.009% |
| 11 | 8.757 | 1041 | 1049 | 1055 | rBV3 | 50668 | 100265 | 3.01% | 0.178% |
| 12 | 8.828 | 1055 | 1061 | 1079 | rVB | 600413 | 1094119 | 32.82% | 1.948% |
| 13 | 9.010 | 1086 | 1092 | 1101 | rVV | 114421 | 188910 | 5.67% | 0.336% |
| 14 | 9.139 | 1105 | 1114 | 1119 | rVV | 94968 | 230274 | 6.91% | 0.410% |
| 15 | 9.198 | 1119 | 1124 | 1131 | rVV | 60059 | 105637 | 3.17% | 0.188% |
| 16 | 9.275 | 1133 | 1137 | 1144 | rVB | 32902 | 50556 | 1.52% | 0.090% |
| 17 | 9.545 | 1176 | 1183 | 1198 | rBV | 458821 | 825354 | 24.76% | 1.469% |
| 18 | 9.692 | 1202 | 1208 | 1217 | rVB | 112281 | 185657 | 5.57% | 0.330% |
| 19 | 9.839 | 1223 | 1233 | 1239 | rBV2 | 300625 | 565864 | 16.97% | 1.007% |
| 20 | 9.975 | 1247 | 1256 | 1264 | rBV6 | 31780 | 86934 | 2.61% | 0.155% |
| 21 | 10.086 | 1267 | 1275 | 1296 | rBV | 555450 | 1242164 | 37.26% | 2.211% |
| 22 | 10.439 | 1324 | 1335 | 1339 | rBV | 708175 | 1220736 | 36.62% | 2.173% |
| 23 | 10.492 | 1339 | 1344 | 1352 | rVB | 1133840 | 1896523 | 56.89% | 3.376% |
| 24 | 10.633 | 1361 | 1368 | 1375 | rBV7 | 18559 | 45456 | 1.36% | 0.081% |
| 25 | 10.833 | 1393 | 1402 | 1406 | rBV4 | 36123 | 77689 | 2.33% | 0.138% |
| 26 | 11.069 | 1431 | 1442 | 1457 | rBV3 | 83883 | 213479 | 6.40% | 0.380% |
| 27 | 11.369 | 1484 | 1493 | 1503 | rBV5 | 33326 | 85738 | 2.57% | 0.153% |
| 28 | 11.557 | 1518 | 1525 | 1530 | rBV5 | 29592 | 64291 | 1.93% | 0.114% |
| 29 | 11.633 | 1534 | 1538 | 1553 | rVB6 | 17816 | 41983 | 1.26% | 0.075% |
| 30 | 12.004 | 1595 | 1601 | 1609 | rVB | 122169 | 200739 | 6.02% | 0.357% |
| 31 | 12.110 | 1611 | 1619 | 1627 | rBV | 1268429 | 2014324 | 60.42% | 3.586% |
| 32 | 12.180 | 1627 | 1631 | 1634 | rVV2 | 37214 | 62096 | 1.86% | 0.111% |
| 33 | 12.233 | 1634 | 1640 | 1646 | rVV2 | 120624 | 219549 | 6.59% | 0.391% |
| 34 | 12.333 | 1646 | 1657 | 1669 | rVB | 1514558 | 2618032 | 78.53% | 4.660% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008328.D
Acq On : 15 Dec 2016 02:49
Operator : UM/SJ
Sample : H5976-16
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.463 | 1673 | 1679 | 1683 | rBV2 | 46123 | 76216 | 2.29% | 0.136% |
| 36 | 12.645 | 1702 | 1710 | 1718 | rVB6 | 18864 | 37591 | 1.13% | 0.067% |
| 37 | 12.727 | 1718 | 1724 | 1730 | rBV2 | 39263 | 74346 | 2.23% | 0.132% |
| 38 | 13.074 | 1777 | 1783 | 1790 | rBV6 | 41860 | 97570 | 2.93% | 0.174% |
| 39 | 13.468 | 1842 | 1850 | 1851 | rBV5 | 43094 | 68365 | 2.05% | 0.122% |
| 40 | 13.627 | 1871 | 1877 | 1883 | rBV2 | 91182 | 193746 | 5.81% | 0.345% |
| 41 | 13.680 | 1883 | 1886 | 1888 | rVV2 | 32731 | 44986 | 1.35% | 0.080% |
| 42 | 13.727 | 1888 | 1894 | 1905 | rVB | 1281105 | 1832693 | 54.97% | 3.262% |
| 43 | 13.816 | 1905 | 1909 | 1913 | rBV3 | 26162 | 36618 | 1.10% | 0.065% |
| 44 | 13.863 | 1913 | 1917 | 1921 | rBV3 | 27913 | 45610 | 1.37% | 0.081% |
| 45 | 13.998 | 1933 | 1940 | 1953 | rVB | 1443557 | 2292361 | 68.76% | 4.081% |
| 46 | 14.310 | 1982 | 1993 | 1998 | rBV | 1081376 | 1628136 | 48.84% | 2.898% |
| 47 | 14.374 | 1998 | 2004 | 2011 | rVB | 1940351 | 2799669 | 83.98% | 4.984% |
| 48 | 14.610 | 2039 | 2044 | 2050 | rBV4 | 37854 | 92390 | 2.77% | 0.164% |
| 49 | 14.715 | 2056 | 2062 | 2072 | rVB | 604400 | 940868 | 28.22% | 1.675% |
| 50 | 15.051 | 2114 | 2119 | 2125 | rVB2 | 22040 | 37970 | 1.14% | 0.068% |
| 51 | 15.215 | 2141 | 2147 | 2150 | rBV4 | 40134 | 67733 | 2.03% | 0.121% |
| 52 | 15.257 | 2150 | 2154 | 2157 | rVV2 | 125874 | 211663 | 6.35% | 0.377% |
| 53 | 15.310 | 2157 | 2163 | 2168 | rVV | 1900198 | 2873788 | 86.20% | 5.116% |
| 54 | 15.362 | 2168 | 2172 | 2179 | rVB2 | 639747 | 958751 | 28.76% | 1.707% |
| 55 | 15.468 | 2184 | 2190 | 2198 | rBV | 435577 | 819850 | 24.59% | 1.459% |
| 56 | 15.780 | 2236 | 2243 | 2245 | rBV4 | 22256 | 47716 | 1.43% | 0.085% |
| 57 | 15.815 | 2245 | 2249 | 2253 | rVB | 33150 | 51032 | 1.53% | 0.091% |
| 58 | 15.886 | 2259 | 2261 | 2268 | rVB | 31590 | 45757 | 1.37% | 0.081% |
| 59 | 16.051 | 2281 | 2289 | 2299 | rBV2 | 80227 | 171904 | 5.16% | 0.306% |
| 60 | 16.162 | 2301 | 2308 | 2311 | rBV5 | 22005 | 36982 | 1.11% | 0.066% |
| 61 | 16.262 | 2319 | 2325 | 2329 | rBV5 | 41270 | 64971 | 1.95% | 0.116% |
| 62 | 16.315 | 2329 | 2334 | 2338 | rVV2 | 58786 | 91961 | 2.76% | 0.164% |
| 63 | 16.374 | 2338 | 2344 | 2351 | rVB7 | 29708 | 71463 | 2.14% | 0.127% |
| 64 | 16.862 | 2423 | 2427 | 2432 | rBV | 74551 | 122028 | 3.66% | 0.217% |
| 65 | 16.915 | 2432 | 2436 | 2442 | rVV2 | 35139 | 71989 | 2.16% | 0.128% |
| 66 | 16.974 | 2442 | 2446 | 2453 | rVV5 | 34637 | 90031 | 2.70% | 0.160% |
| 67 | 17.062 | 2453 | 2461 | 2466 | rVV2 | 1202636 | 1852195 | 55.56% | 3.297% |
| 68 | 17.104 | 2466 | 2468 | 2472 | rVV | 127735 | 169968 | 5.10% | 0.303% |
| 69 | 17.162 | 2472 | 2478 | 2494 | rVV2 | 1927179 | 2955881 | 88.66% | 5.262% |
| 70 | 17.274 | 2494 | 2497 | 2502 | rVB2 | 35144 | 54665 | 1.64% | 0.097% |
| 71 | 17.439 | 2519 | 2525 | 2528 | rBV | 485367 | 738844 | 22.16% | 1.315% |

LSC Area Percent Report

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Data File : BM008328.D
Acq On : 15 Dec 2016 02:49
Operator : UM/SJ
Sample : H5976-16
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 17.480 | 2528 | 2532 | 2538 | rVB | 1008451 | 1456360 | 43.68% | 2.593% |
| 73 | 17.598 | 2549 | 2552 | 2556 | rVB2 | 38823 | 52001 | 1.56% | 0.093% |
| 74 | 17.733 | 2569 | 2575 | 2580 | rBV4 | 25983 | 64903 | 1.95% | 0.116% |
| 75 | 17.915 | 2599 | 2606 | 2613 | rVV | 85865 | 142454 | 4.27% | 0.254% |
| 76 | 17.998 | 2615 | 2620 | 2623 | rVV2 | 121341 | 185394 | 5.56% | 0.330% |
| 77 | 18.027 | 2623 | 2625 | 2629 | rVV | 40484 | 52102 | 1.56% | 0.093% |
| 78 | 18.080 | 2630 | 2634 | 2640 | rVB | 91806 | 134943 | 4.05% | 0.240% |
| 79 | 18.151 | 2642 | 2646 | 2653 | rVB10 | 17823 | 35436 | 1.06% | 0.063% |
| 80 | 18.245 | 2657 | 2662 | 2667 | rBV4 | 35317 | 78633 | 2.36% | 0.140% |
| 81 | 18.392 | 2683 | 2687 | 2698 | rVB3 | 23755 | 46423 | 1.39% | 0.083% |
| 82 | 18.927 | 2774 | 2778 | 2785 | rBV2 | 33808 | 58898 | 1.77% | 0.105% |
| 83 | 19.098 | 2803 | 2807 | 2811 | rBV5 | 22928 | 41629 | 1.25% | 0.074% |
| 84 | 19.245 | 2827 | 2832 | 2839 | rBV9 | 21321 | 49961 | 1.50% | 0.089% |
| 85 | 19.356 | 2847 | 2851 | 2855 | rBV | 23486 | 35748 | 1.07% | 0.064% |
| 86 | 19.462 | 2863 | 2869 | 2879 | rBV | 2232364 | 3163373 | 94.89% | 5.631% |
| 87 | 19.909 | 2940 | 2945 | 2950 | rBV3 | 46775 | 103090 | 3.09% | 0.184% |
| 88 | 19.968 | 2950 | 2955 | 2965 | rVV | 193144 | 335774 | 10.07% | 0.598% |
| 89 | 20.068 | 2968 | 2972 | 2976 | rBV5 | 37210 | 54691 | 1.64% | 0.097% |
| 90 | 20.615 | 3060 | 3065 | 3077 | rBV | 224564 | 445142 | 13.35% | 0.792% |
| 91 | 21.262 | 3170 | 3175 | 3185 | rBV | 1634773 | 2145506 | 64.35% | 3.819% |
| 92 | 23.350 | 3523 | 3530 | 3542 | rBV2 | 1703845 | 3333867 | 100.00% | 5.935% |
| 93 | 23.491 | 3548 | 3554 | 3566 | rVB | 1032823 | 2080435 | 62.40% | 3.703% |

Sum of corrected areas: 56175191

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008328.D
Acq On : 15 Dec 2016 02:49
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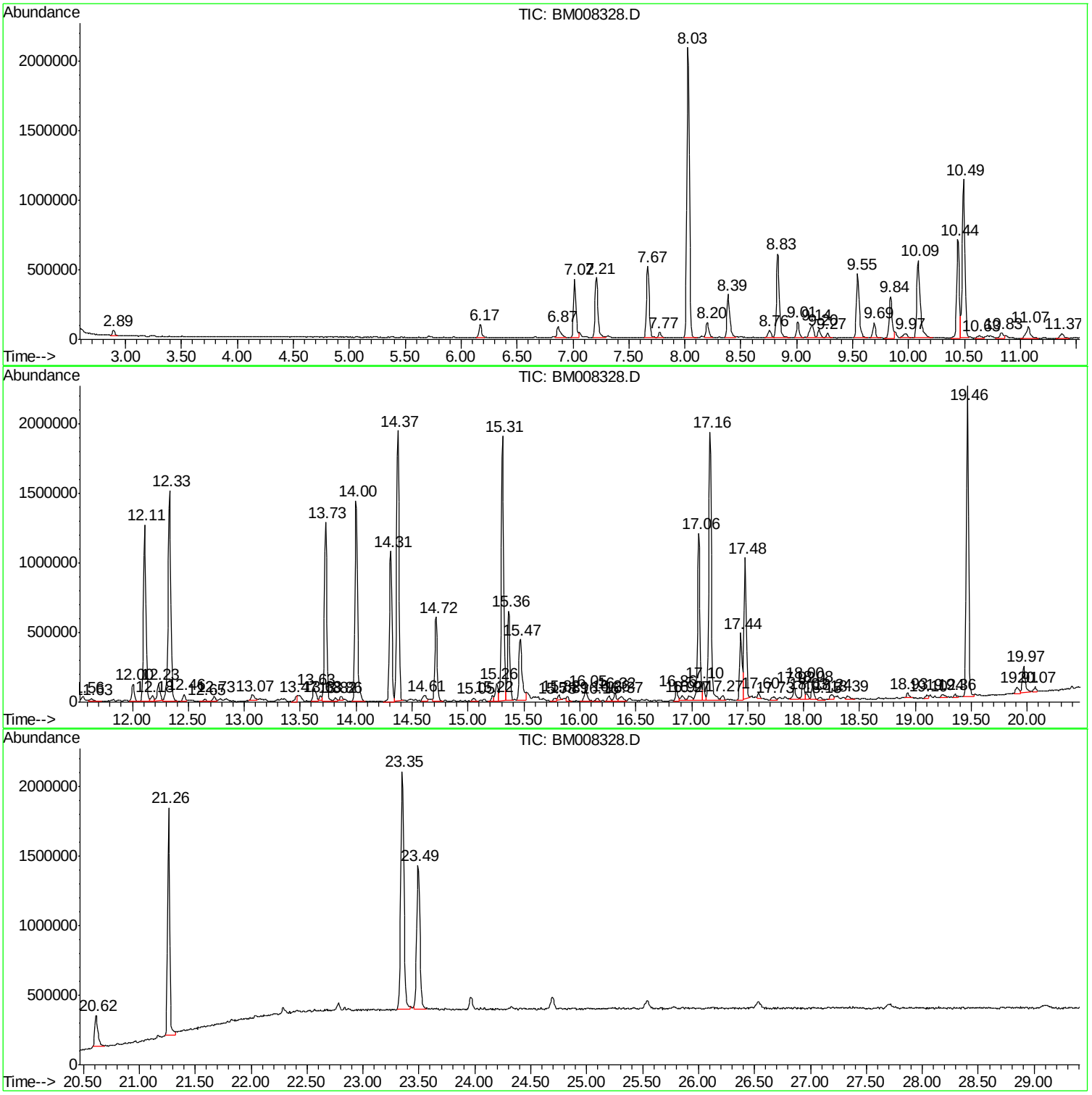
Sample : H5976-16
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008328.D
Acq On : 15 Dec 2016 02:49
Operator : UM/SJ
Sample : H5976-16
Misc :
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**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

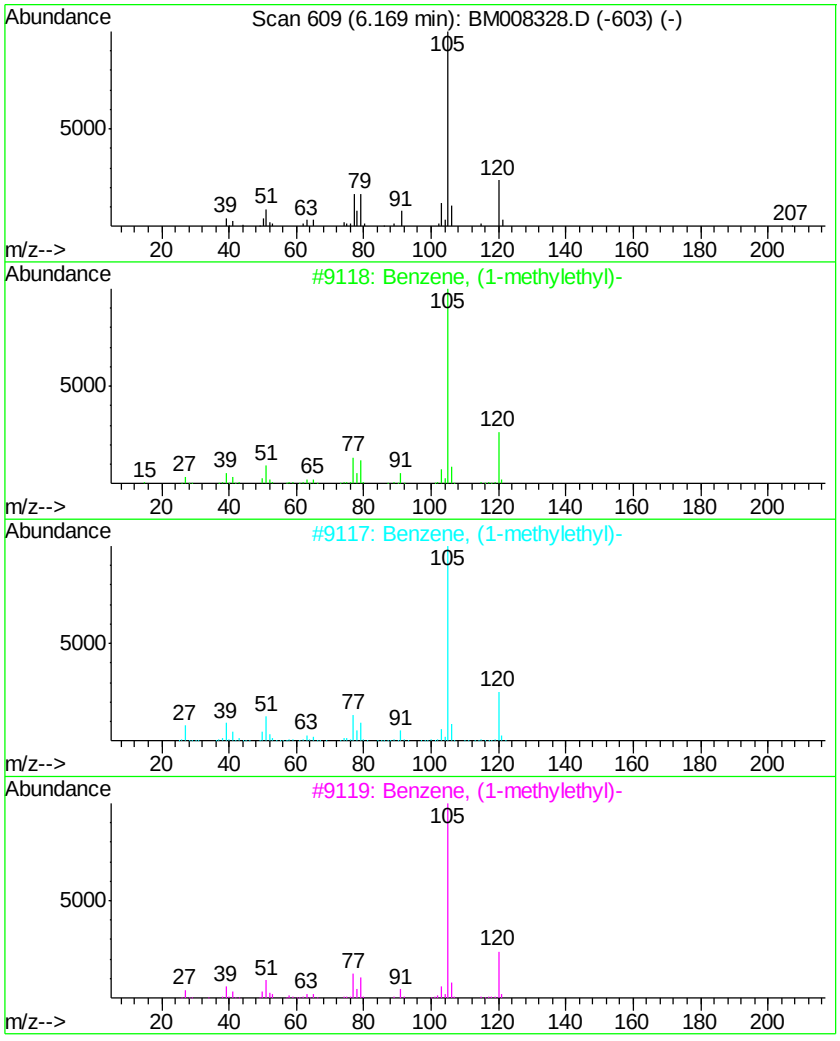
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

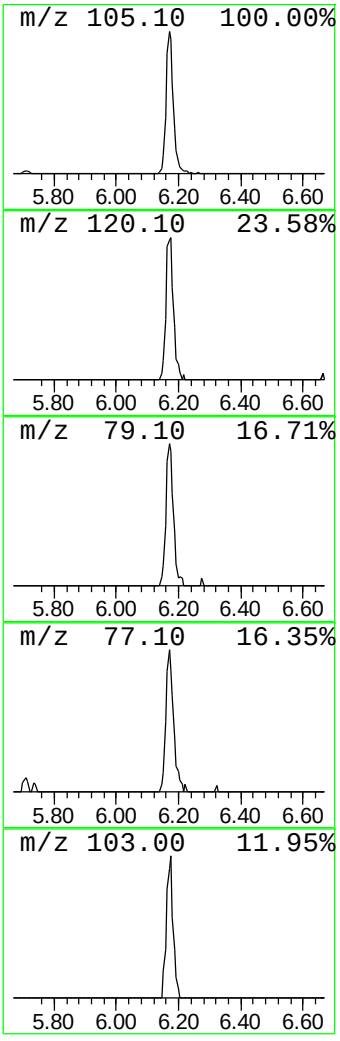
**********

Peak Number 1 Benzene, (1-methylethyl)- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 6.17 | 3.76 ng/ul | 157028 | 1,4-Dichlorobenzene-d4 | 7.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (1-methylethyl)- | 120 | C9H12 | 000098-82-8 | 91 |
| 2 | Benzene, (1-methylethyl)- | 120 | C9H12 | 000098-82-8 | 91 |
| 3 | Benzene, (1-methylethyl)- | 120 | C9H12 | 000098-82-8 | 91 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |
| 5 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 86 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008328.D
Acq On : 15 Dec 2016 02:49
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Sample : H5976-16
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

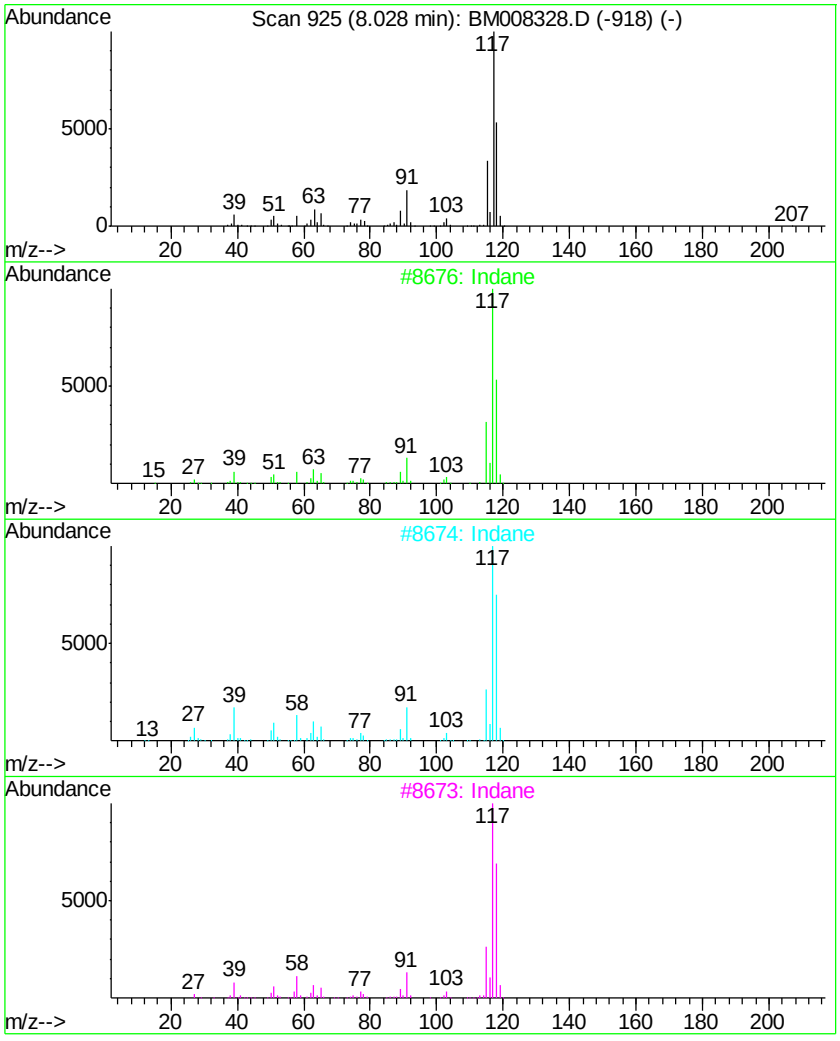
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

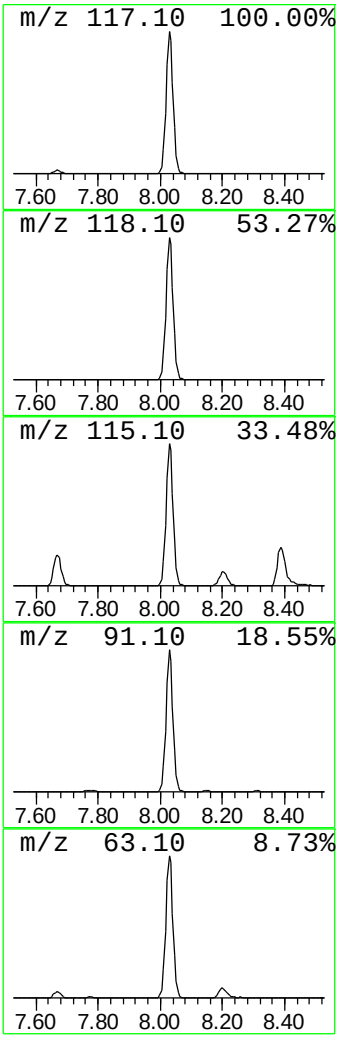
**********

Peak Number 2 Indane Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.03 | 79.41 ng/ul | 3319310 | 1,4-Dichlorobenzene-d4 | 7.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 93 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 87 |
| 3 | Indane | 118 | C9H10 | 000496-11-7 | 83 |
| 4 | Indane | 118 | C9H10 | 000496-11-7 | 81 |
| 5 | Benzene, 1-propenyl- | 118 | C9H10 | 000637-50-3 | 74 |



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Data File : BM008328.D
Acq On : 15 Dec 2016 02:49
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Sample : H5976-16
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ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

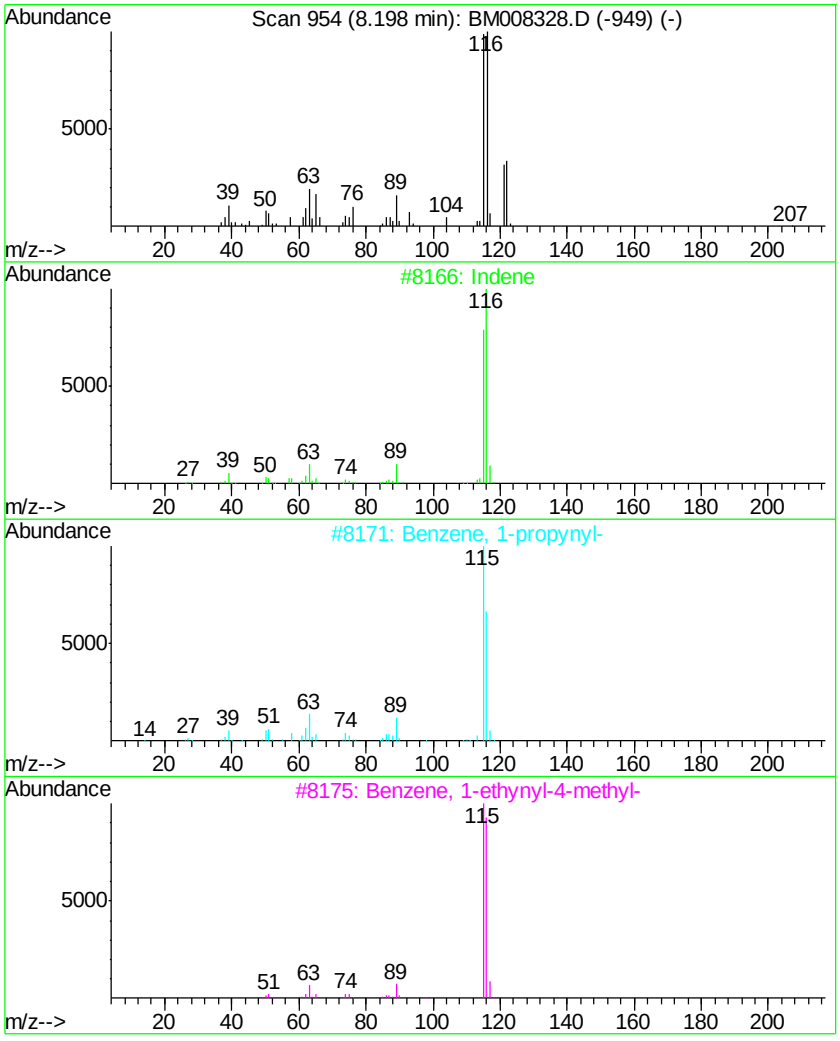
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

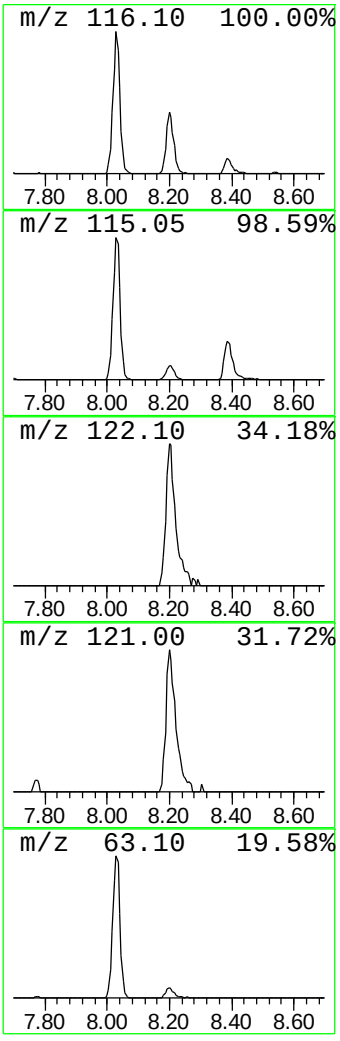
**********

Peak Number 3 Indene Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.20 | 4.72 ng/ul | 197096 | 1,4-Dichlorobenzene-d4 | 7.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indene | 116 | C9H8 | 000095-13-6 | 94 |
| 2 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 93 |
| 3 | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8 | 000766-97-2 | 87 |
| 4 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 87 |
| 5 | Indene | 116 | C9H8 | 000095-13-6 | 80 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008328.D
Acq On : 15 Dec 2016 02:49
Operator : UM/SJ
Sample : H5976-16
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

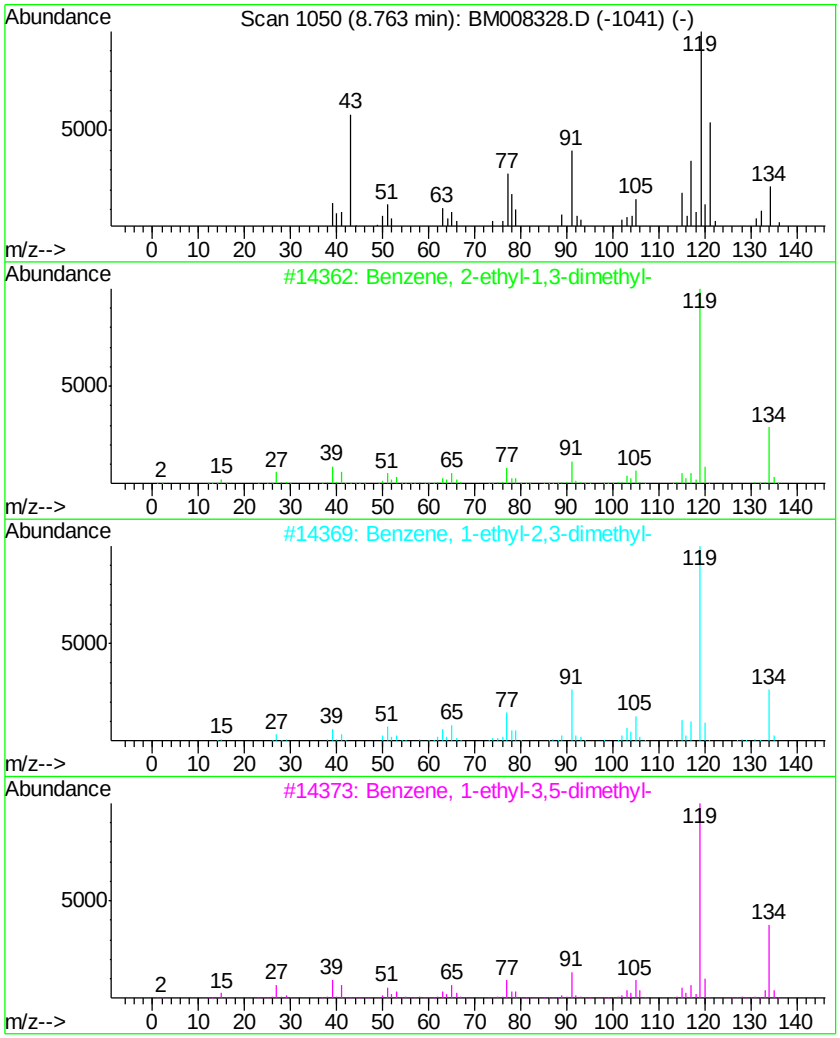
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

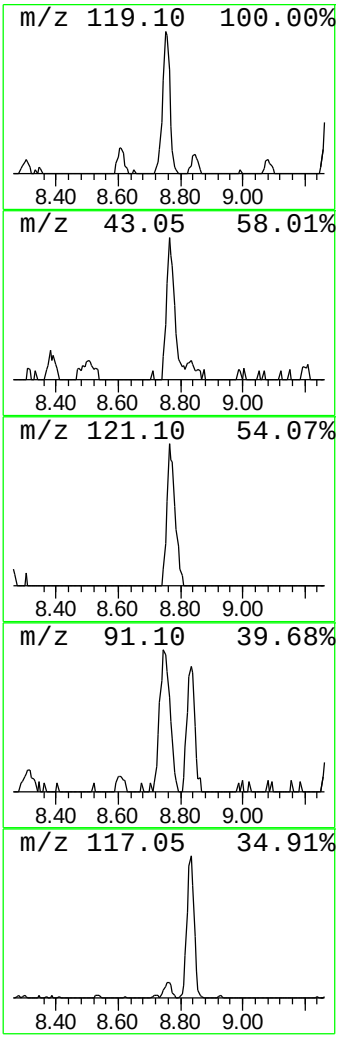
**********

Peak Number 4 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.76 | 2.40 ng/ul | 100265 | 1,4-Dichlorobenzene-d4 | 7.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 76 |
| 2 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 76 |
| 3 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 76 |
| 4 | Benzene, 1-methyl-2-(1-methyleth... | 134 | C10H14 | 000527-84-4 | 76 |
| 5 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 76 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008328.D
Acq On : 15 Dec 2016 02:49
Operator : UM/SJ
Sample : H5976-16
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

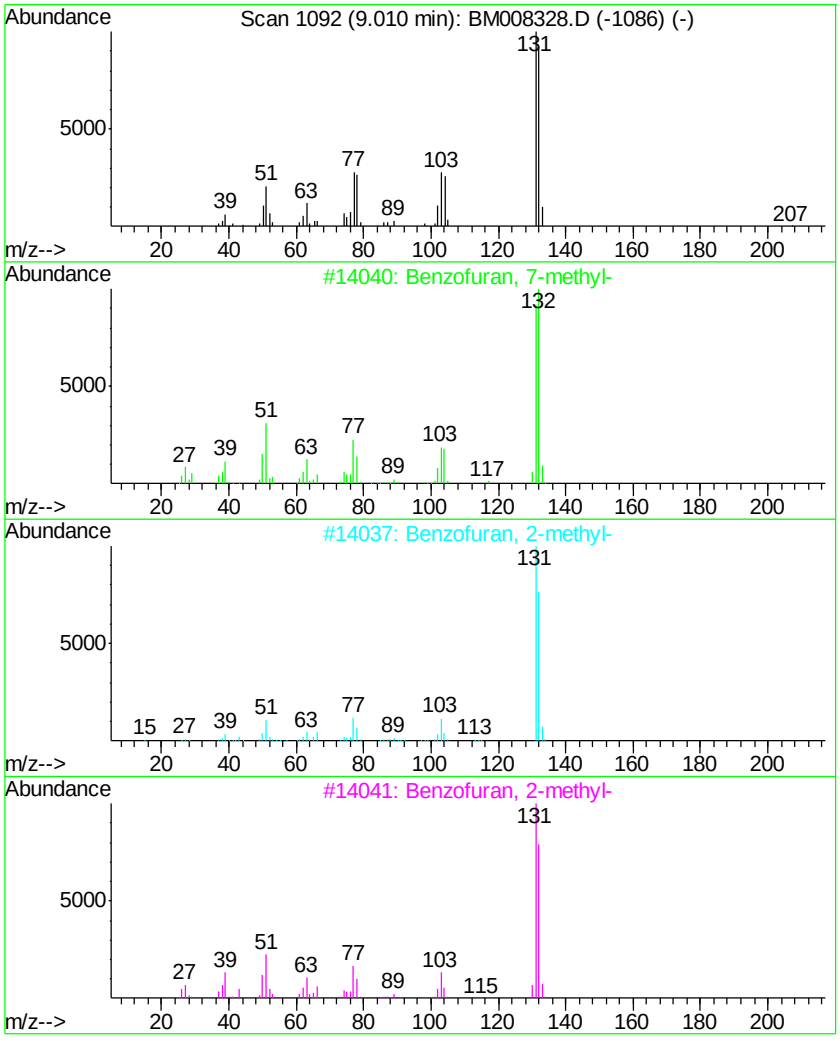
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

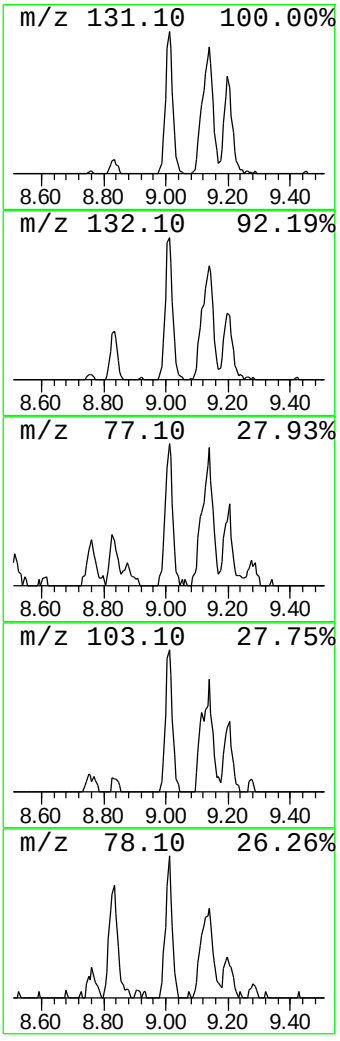
**********

Peak Number 5 Benzofuran, 7-methyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.01 | 4.52 ng/ul | 188910 | 1,4-Dichlorobenzene-d4 | 7.67 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 7-methyl- | 132 | C9H8O | 017059-52-8 | 94 |
| 2 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 90 |
| 3 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 87 |
| 4 | 1H-Indenol | 132 | C9H8O | 056631-57-3 | 87 |
| 5 | Cinnamaldehyde, (E)- | 132 | C9H8O | 014371-10-9 | 87 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008328.D
Acq On : 15 Dec 2016 02:49
Operator : UM/SJ
Sample : H5976-16
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

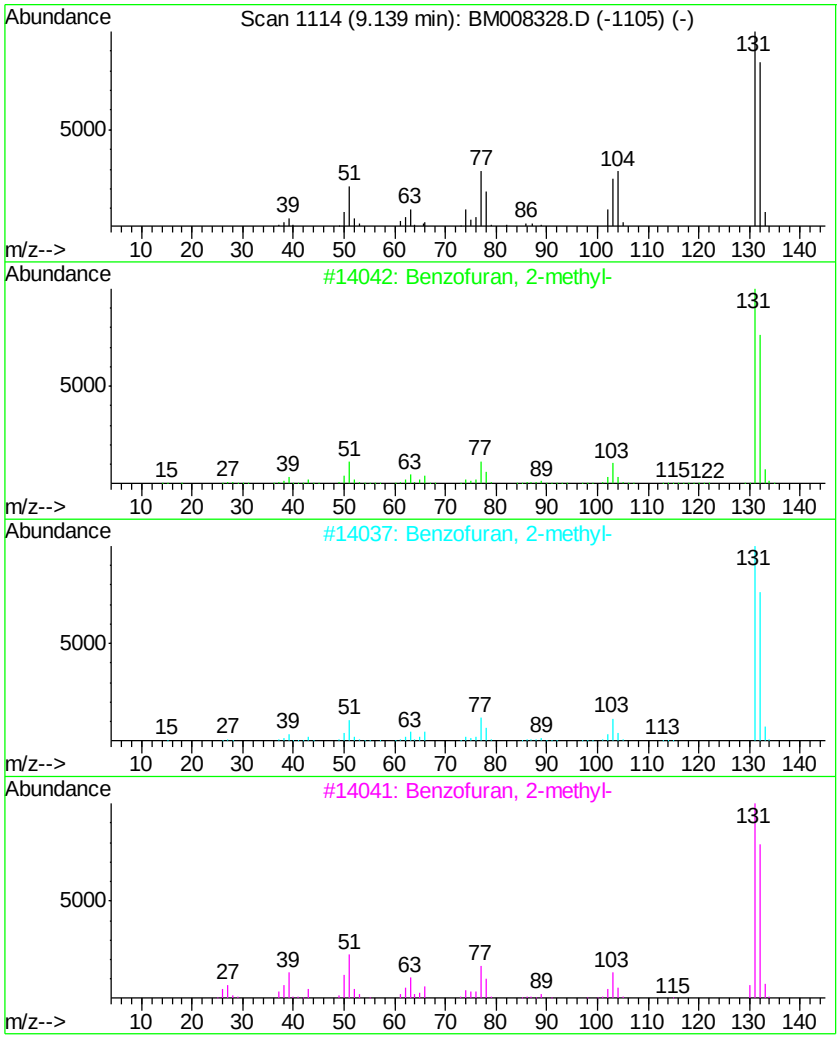
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

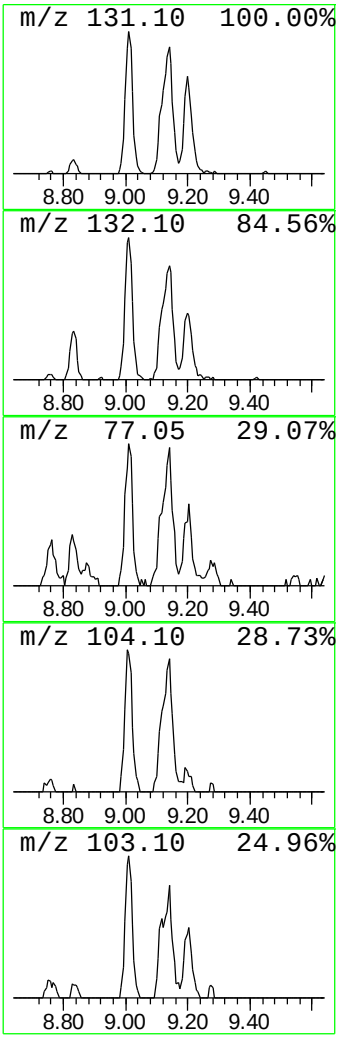
**********

Peak Number 6 Benzofuran, 2-methyl- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.14 | 3.77 ng/ul | 230274 | Naphthalene-d8 | 10.44 |

| 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 | 3-Phenyl-2-propyn-1-ol | 132 | C9H8O | 001504-58-1 | 90 |
| 5 | Cinnamaldehyde, (E)- | 132 | C9H8O | 014371-10-9 | 87 |



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Data File : BM008328.D
Acq On : 15 Dec 2016 02:49
Operator : UM/SJ
Sample : H5976-16
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

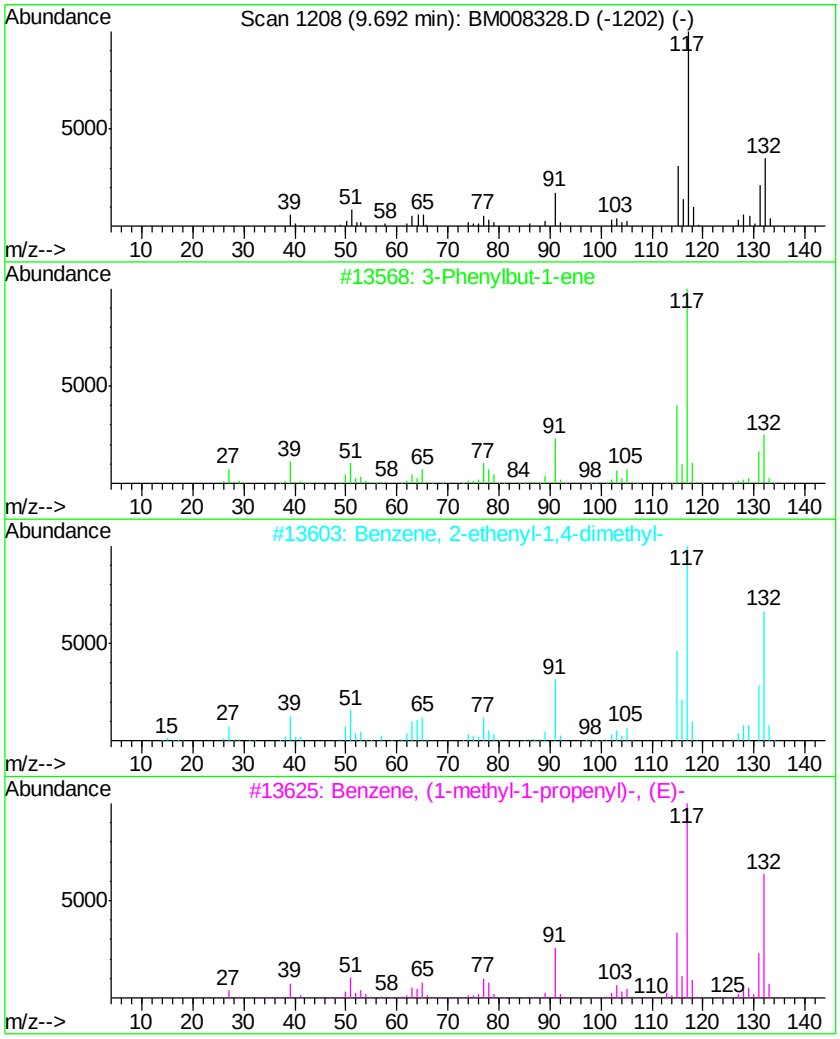
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

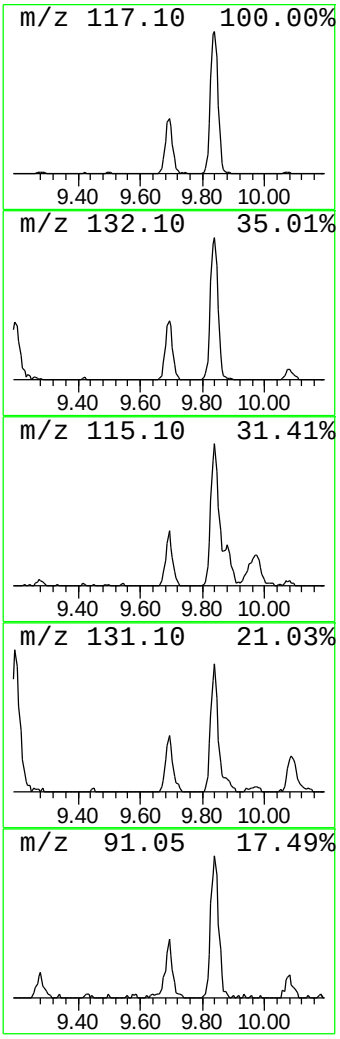
**********

Peak Number 7 3-Phenylbut-1-ene Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.69 | 3.04 ng/ul | 185657 | Naphthalene-d8 | 10.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 91 |
| 2 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 91 |
| 3 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 87 |
| 4 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 87 |
| 5 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 87 |



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Data File : BM008328.D
Acq On : 15 Dec 2016 02:49
Operator : UM/SJ
Sample : H5976-16
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

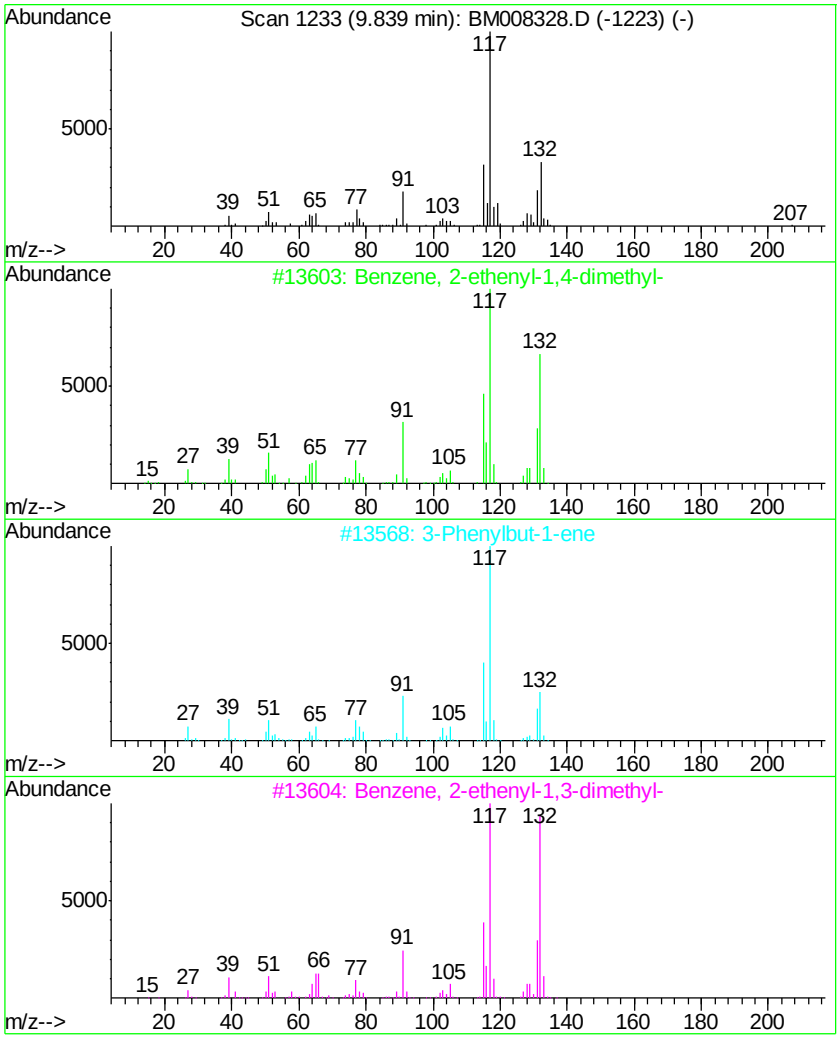
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

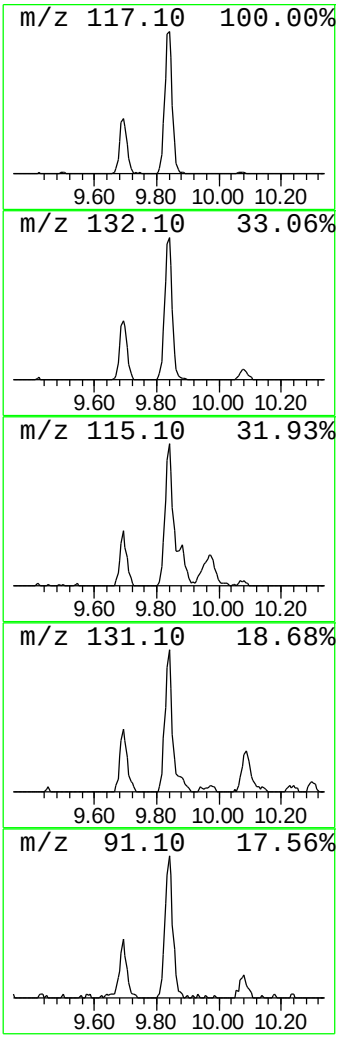
**********

Peak Number 8 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.84 | 9.27 ng/ul | 565864 | Naphthalene-d8 | 10.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 91 |
| 2 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 90 |
| 3 | Benzene, 2-ethenyl-1,3-dimethyl- | 132 | C10H12 | 002039-90-9 | 90 |
| 4 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 90 |
| 5 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 87 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008328.D
Acq On : 15 Dec 2016 02:49
Operator : UM/SJ
Sample : H5976-16
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

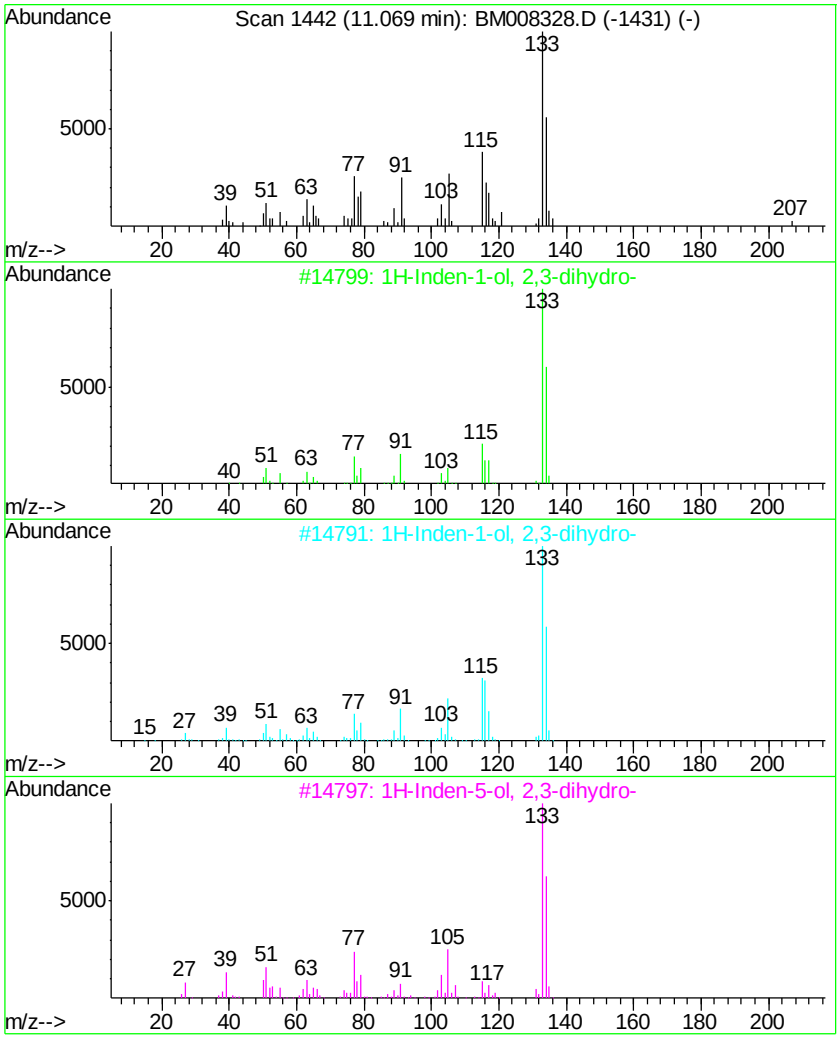
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

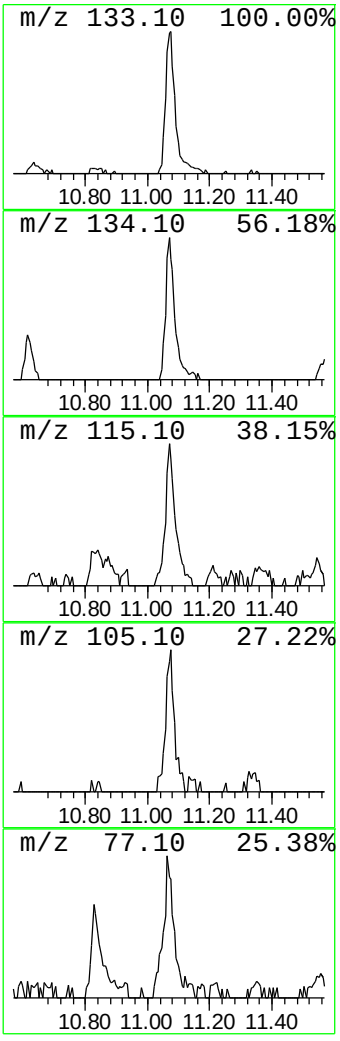
**********

Peak Number 9 1H-Inden-1-ol, 2,3-dihydro- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.07 | 3.50 ng/ul | 213479 | Naphthalene-d8 | 10.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Inden-1-ol, 2,3-dihydro- | 134 | C9H10O | 006351-10-6 | 93 |
| 2 | 1H-Inden-1-ol, 2,3-dihydro- | 134 | C9H10O | 006351-10-6 | 91 |
| 3 | 1H-Inden-5-ol, 2,3-dihydro- | 134 | C9H10O | 001470-94-6 | 70 |
| 4 | 1H-Indenol, 2,3-dihydro- | 134 | C9H10O | 036643-74-0 | 53 |
| 5 | Phenol, 4-(2-propenyl)- | 134 | C9H10O | 000501-92-8 | 46 |



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Acq On : 15 Dec 2016 02:49
Operator : UM/SJ
Sample : H5976-16
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

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

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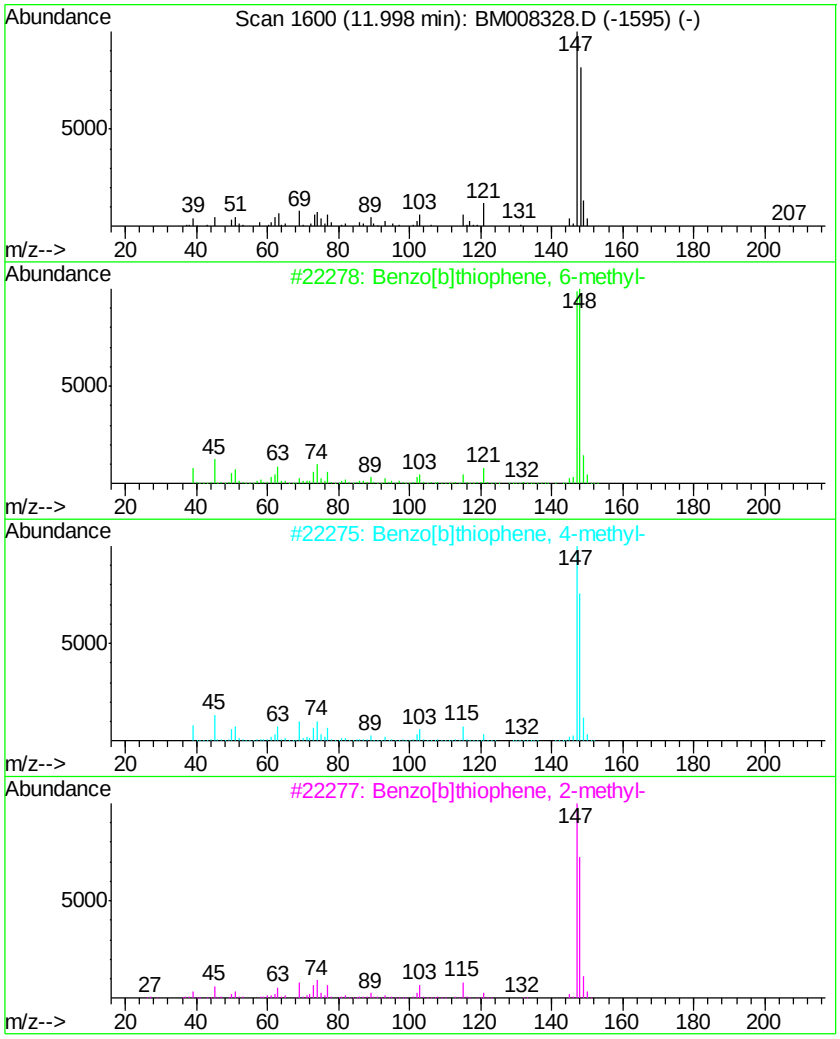
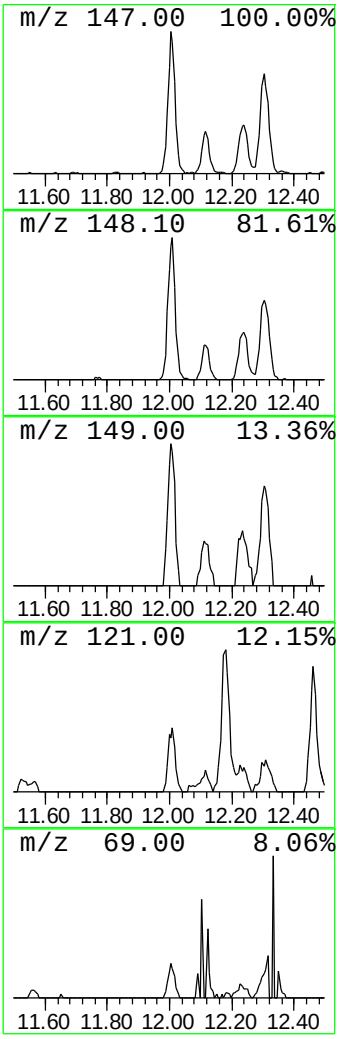
Peak Number 10 Benzo[b]thiophene, 6-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.00 | 3.29 ng/ul | 200739 | Naphthalene-d8 | 10.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]thiophene, 6-methyl- | 148 | C9H8S | 016587-47-6 | 94 |
| 2 | Benzo[b]thiophene, 4-methyl- | 148 | C9H8S | 014315-11-8 | 91 |
| 3 | Benzo[b]thiophene, 2-methyl- | 148 | C9H8S | 001195-14-8 | 91 |
| 4 | Benzo[b]thiophene, 5-methyl- | 148 | C9H8S | 014315-14-1 | 91 |
| 5 | Benzo[b]thiophene, 2-methyl- | 148 | C9H8S | 001195-14-8 | 91 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008328.D
Acq On : 15 Dec 2016 02:49
Operator : UM/SJ
Sample : H5976-16
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

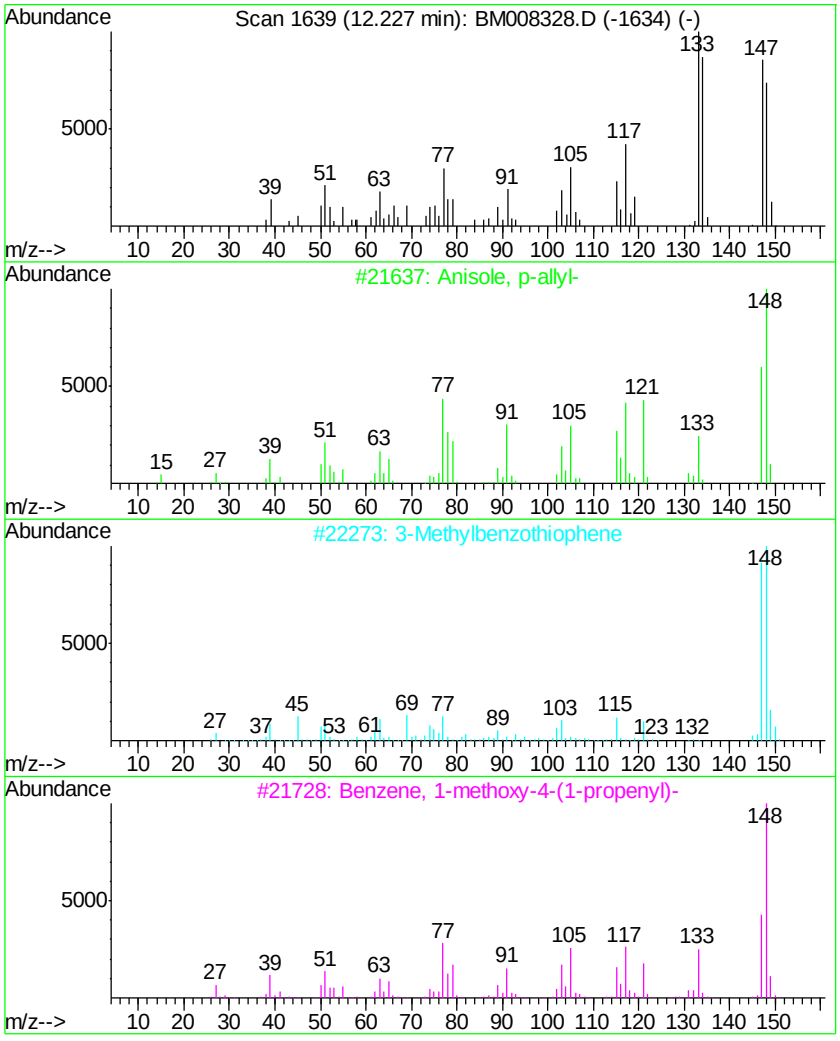
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

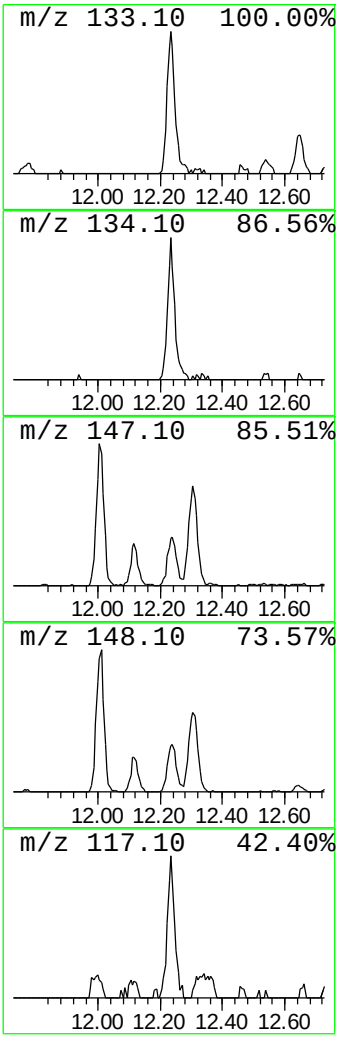
**********

Peak Number 11 Anisole, p-allyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.23 | 3.60 ng/ul | 219549 | Naphthalene-d8 | 10.44 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anisole, p-allyl- | 148 | C10H12O | 000140-67-0 | 60 |
| 2 | 3-Methylbenzothiophene | 148 | C9H8S | 001455-18-1 | 50 |
| 3 | Benzene, 1-methoxy-4-(1-propenyl)- | 148 | C10H12O | 000104-46-1 | 46 |
| 4 | 3-Isopropylbenzaldehyde | 148 | C10H12O | 034246-57-6 | 42 |
| 5 | (Z)-Cinnamic acid | 148 | C9H8O2 | 000102-94-3 | 42 |



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Data File : BM008328.D
Acq On : 15 Dec 2016 02:49
Operator : UM/SJ
Sample : H5976-16
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

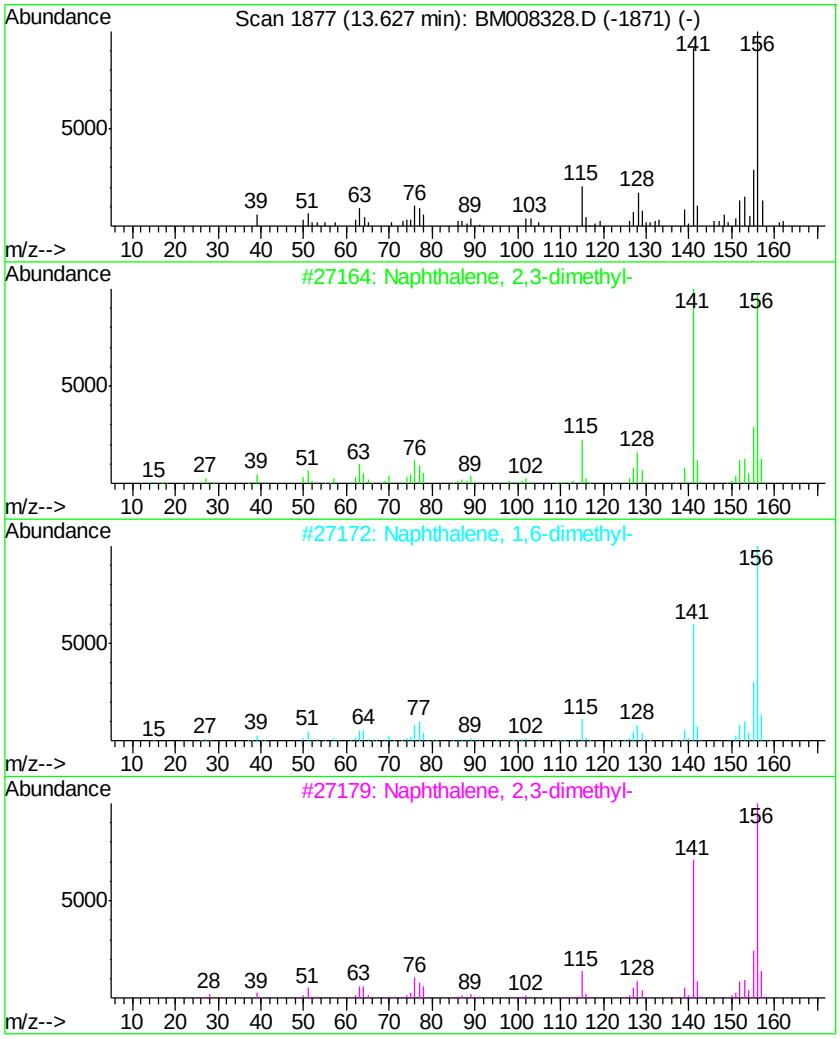
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

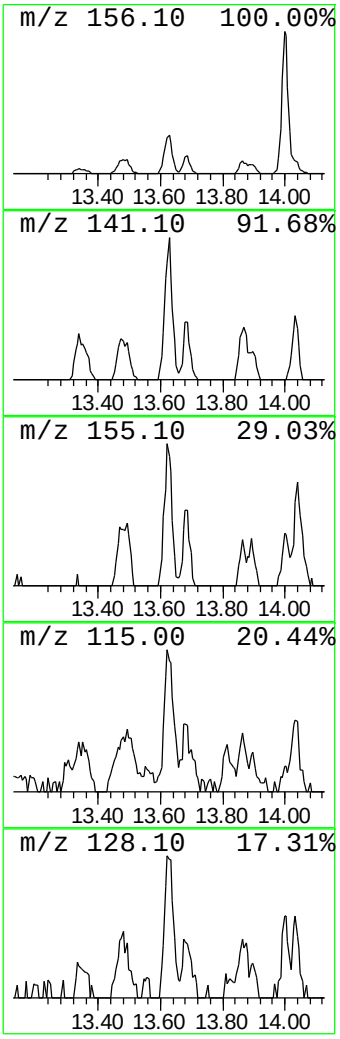
**********

Peak Number 13 Naphthalene, 2,3-dimethyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.63 | 2.38 ng/ul | 193746 | Acenaphthene-d10 | 14.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 98 |
| 2 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 3 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 5 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 96 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008328.D
Acq On : 15 Dec 2016 02:49
Operator : UM/SJ
Sample : H5976-16
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

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

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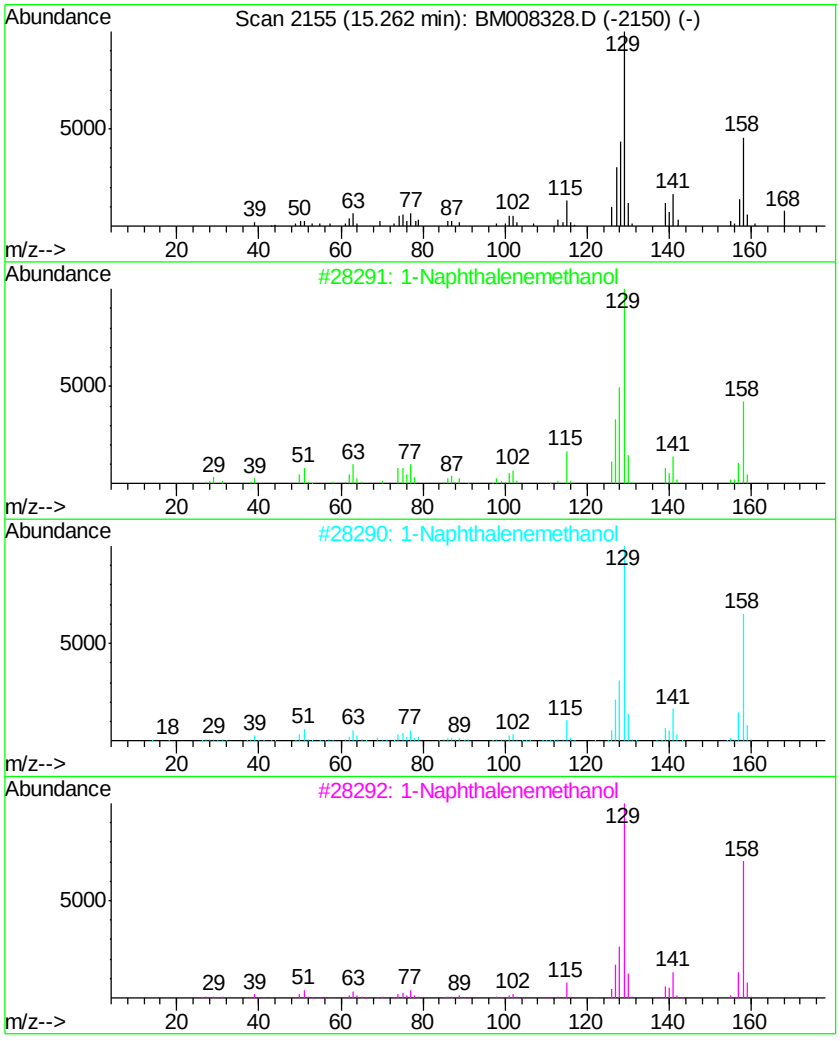
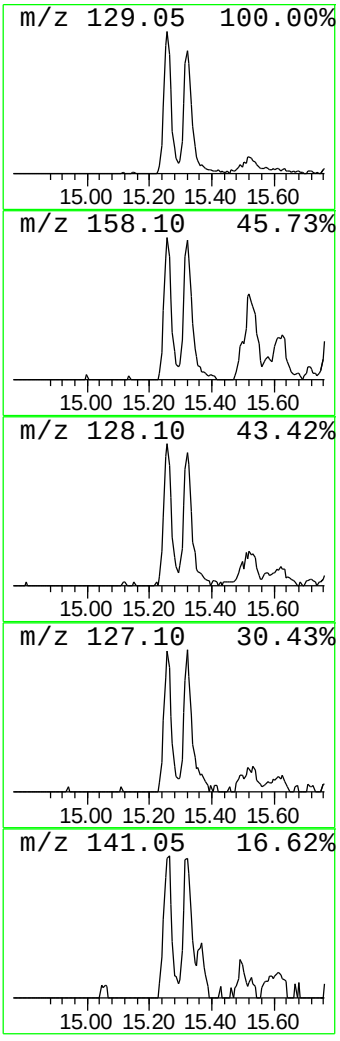
Peak Number 14 1-Naphthalenemethanol Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.26 | 2.60 ng/ul | 211663 | Acenaphthene-d10 | 14.31 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Naphthalenemethanol | 158 | C11H10O | 004780-79-4 | 96 |
| 2 | 1-Naphthalenemethanol | 158 | C11H10O | 004780-79-4 | 87 |
| 3 | 1-Naphthalenemethanol | 158 | C11H10O | 004780-79-4 | 83 |
| 4 | 2-Naphthalenemethanol | 158 | C11H10O | 001592-38-7 | 80 |
| 5 | Benzene, 1,3-hexadienyl- | 158 | C12H14 | 041635-77-2 | 72 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008328.D
Acq On : 15 Dec 2016 02:49
Operator : UM/SJ
Sample : H5976-16
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

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

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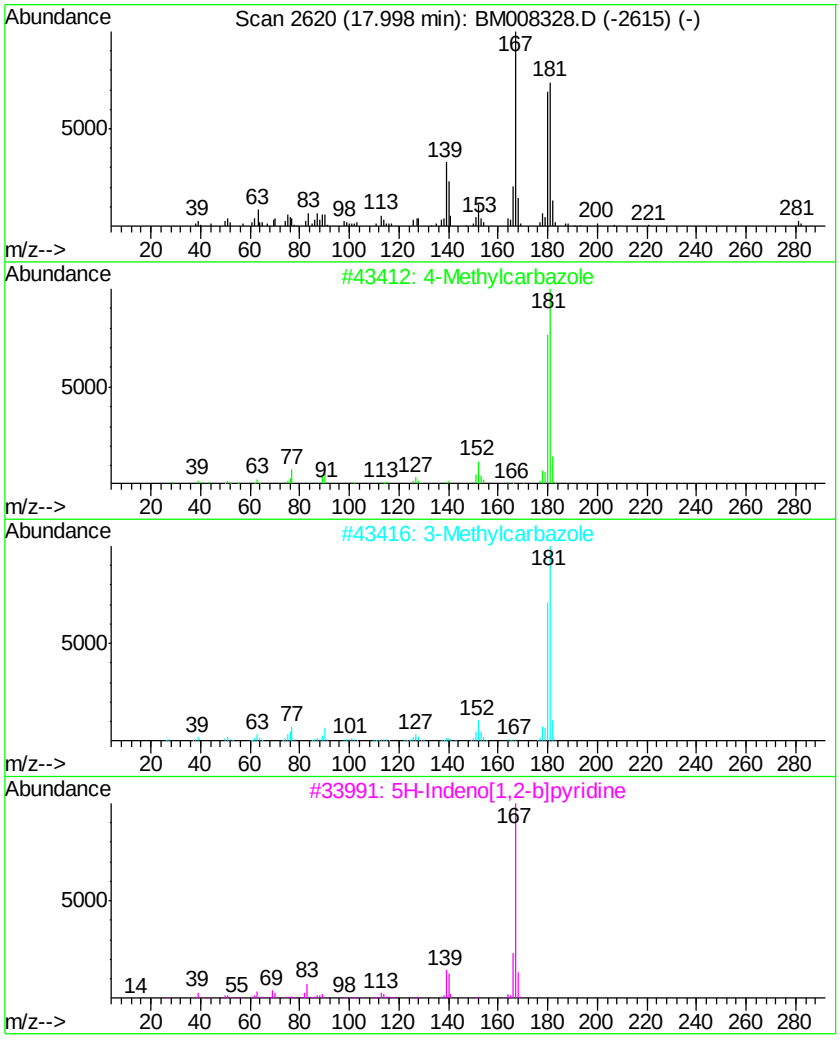
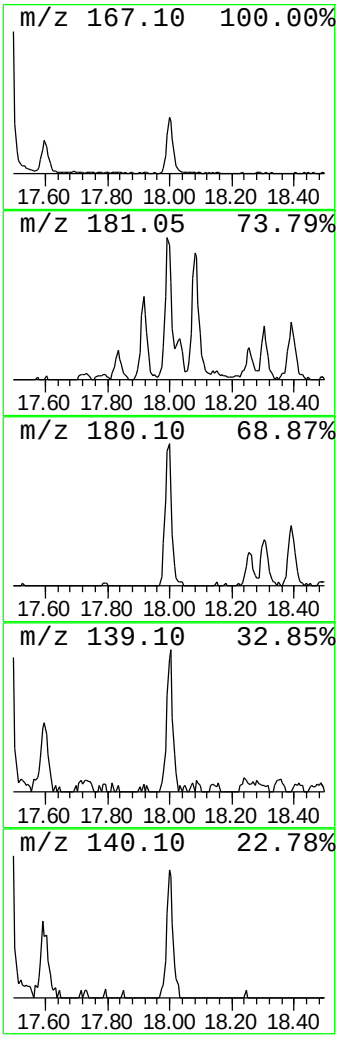
Peak Number 15 4-Methylcarbazole Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.00 | 2.00 ng/ul | 185394 | Phenanthrene-d10 | 17.06 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Methylcarbazole | 181 | C13H11N | 003770-48-7 | 94 |
| 2 | 3-Methylcarbazole | 181 | C13H11N | 004630-20-0 | 89 |
| 3 | 5H-Indeno[1,2-b]pyridine | 167 | C12H9N | 000244-99-5 | 64 |
| 4 | Methylcarbazole | 181 | C13H11N | 027323-29-1 | 60 |
| 5 | 3-Methyl-2-azafluorene | 181 | C13H11N | 018631-12-4 | 55 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008328.D
Acq On : 15 Dec 2016 02:49
Operator : UM/SJ
Sample : H5976-16
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

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

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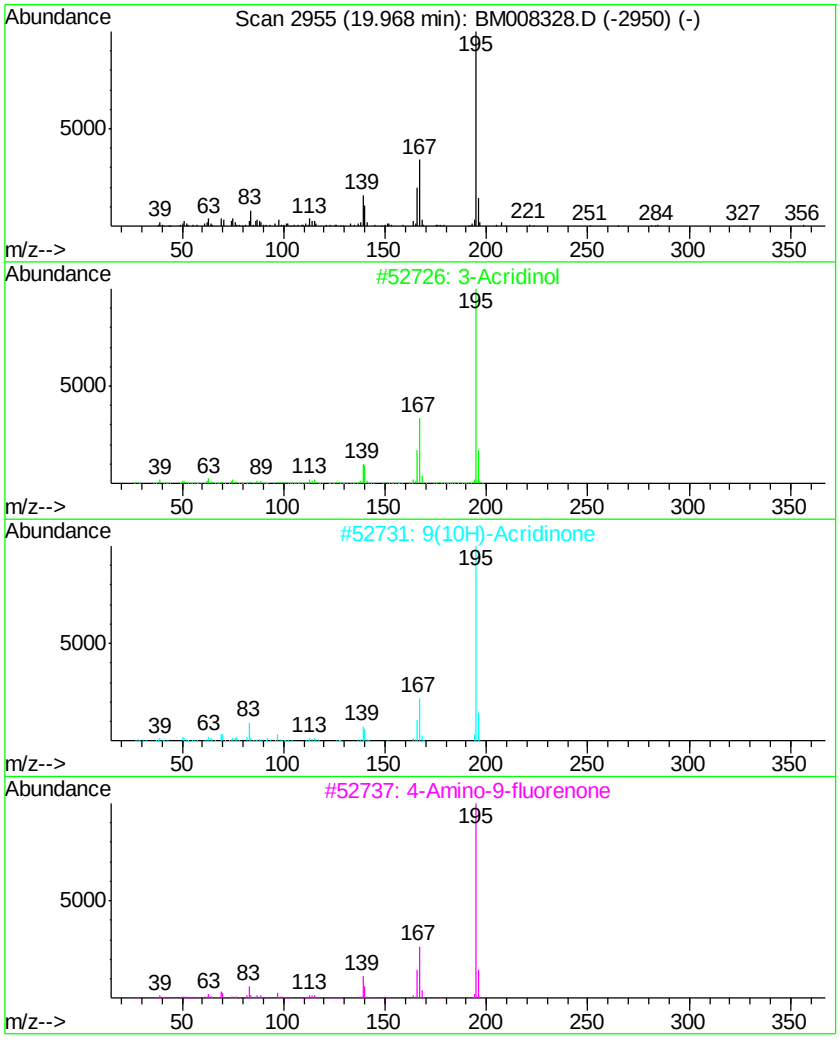
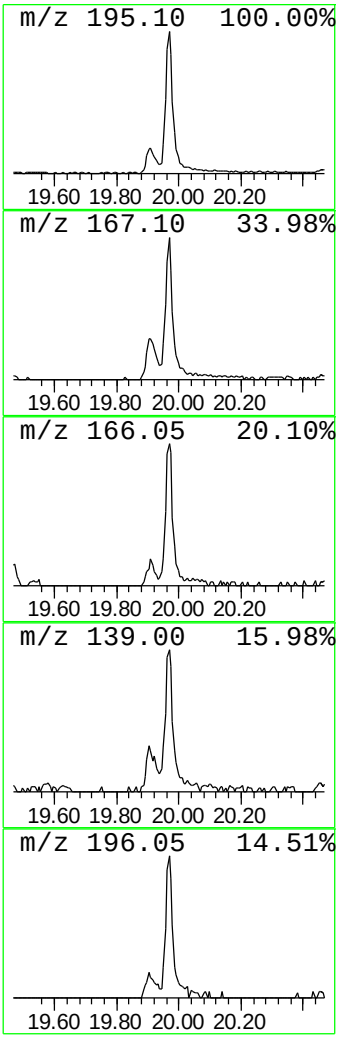
Peak Number 16 3-Acridinol Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.97 | 3.13 ng/ul | 335774 | Chrysene-d12 | 21.26 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Acridinol | 195 | C13H9NO | 007132-70-9 | 94 |
| 2 | 9(10H)-Acridinone | 195 | C13H9NO | 000578-95-0 | 94 |
| 3 | 4-Amino-9-fluorenone | 195 | C13H9NO | 004269-15-2 | 94 |
| 4 | 6(5H)-Phenanthridinone | 195 | C13H9NO | 001015-89-0 | 94 |
| 5 | 9(10H)-Acridinone | 195 | C13H9NO | 000578-95-0 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121416\
Data File : BM008328.D
Acq On : 15 Dec 2016 02:49
Operator : UM/SJ
Sample : H5976-16
Misc :
ALS Vial : 53 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** DA8P8

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
Quant Title : SVOA CALIBRATION

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Benzene, (1-methy... | 6.17 | 3.8 | ng/ul | 157028 | 1 | 7.67 | 835972 | 20.0 |
| Indane | 8.03 | 79.4 | ng/ul | 3319310 | 1 | 7.67 | 835972 | 20.0 |
| Indene | 8.20 | 4.7 | ng/ul | 197096 | 1 | 7.67 | 835972 | 20.0 |
| Benzene, 2-ethyl-... | 8.76 | 2.4 | ng/ul | 100265 | 1 | 7.67 | 835972 | 20.0 |
| Benzofuran, 7-met... | 9.01 | 4.5 | ng/ul | 188910 | 1 | 7.67 | 835972 | 20.0 |
| Benzofuran, 2-met... | 9.14 | 3.8 | ng/ul | 230274 | 2 | 10.44 | 1220740 | 20.0 |
| 3-Phenylbut-1-ene | 9.69 | 3.0 | ng/ul | 185657 | 2 | 10.44 | 1220740 | 20.0 |
| Benzene, 2-etheny... | 9.84 | 9.3 | ng/ul | 565864 | 2 | 10.44 | 1220740 | 20.0 |
| 1H-Inden-1-ol, 2,... | 11.07 | 3.5 | ng/ul | 213479 | 2 | 10.44 | 1220740 | 20.0 |
| Benzo[b]thiophene... | 12.00 | 3.3 | ng/ul | 200739 | 2 | 10.44 | 1220740 | 20.0 |
| Anisole, p-allyl- | 12.23 | 3.6 | ng/ul | 219549 | 2 | 10.44 | 1220740 | 20.0 |
| Naphthalene, 2,3-... | 13.63 | 2.4 | ng/ul | 193746 | 3 | 14.31 | 1628140 | 20.0 |
| 1-Naphthalenemeth... | 15.26 | 2.6 | ng/ul | 211663 | 3 | 14.31 | 1628140 | 20.0 |
| 4-Methylcarbazole | 18.00 | 2.0 | ng/ul | 185394 | 4 | 17.06 | 1852200 | 20.0 |
| 3-Acridinol | 19.97 | 3.1 | ng/ul | 335774 | 5 | 21.26 | 2145510 | 20.0 |