LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050617\
Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BM050517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 4.904 | 305 | 309 | 316 | rBV2 | 129579 | 187286 | 2.22% | 0.391% |
| 2 | 5.357 | 380 | 386 | 402 | rBV | 1227912 | 1833544 | 21.78% | 3.830% |
| 3 | 6.245 | 531 | 537 | 543 | rBV2 | 61206 | 99044 | 1.18% | 0.207% |
| 4 | 6.951 | 651 | 657 | 672 | rVB | 787331 | 1320740 | 15.69% | 2.759% |
| 5 | 7.304 | 710 | 717 | 730 | rVB | 2170118 | 3396679 | 40.35% | 7.094% |
| 6 | 7.657 | 767 | 777 | 781 | rVB2 | 43964 | 84187 | 1.00% | 0.176% |
| 7 | 7.769 | 790 | 796 | 804 | rBV | 414074 | 647092 | 7.69% | 1.352% |
| 8 | 8.086 | 842 | 850 | 863 | rVB | 1763493 | 2909549 | 34.56% | 6.077% |
| 9 | 8.245 | 870 | 877 | 883 | rBV | 87389 | 140075 | 1.66% | 0.293% |
| 10 | 8.863 | 969 | 982 | 989 | rBV3 | 156560 | 291302 | 3.46% | 0.608% |
| 11 | 8.945 | 989 | 996 | 1009 | rBV | 1969728 | 3286789 | 39.04% | 6.865% |
| 12 | 9.381 | 1065 | 1070 | 1078 | rVB | 101420 | 163467 | 1.94% | 0.341% |
| 13 | 9.745 | 1124 | 1132 | 1138 | rBV3 | 94798 | 203508 | 2.42% | 0.425% |
| 14 | 9.951 | 1157 | 1167 | 1175 | rBV3 | 328787 | 590682 | 7.02% | 1.234% |
| 15 | 10.122 | 1189 | 1196 | 1202 | rBV10 | 35229 | 91988 | 1.09% | 0.192% |
| 16 | 10.563 | 1258 | 1271 | 1283 | rVV2 | 525256 | 1356315 | 16.11% | 2.833% |
| 17 | 10.663 | 1283 | 1288 | 1295 | rVB2 | 155547 | 261303 | 3.10% | 0.546% |
| 18 | 10.922 | 1325 | 1332 | 1337 | rBV3 | 47946 | 88778 | 1.05% | 0.185% |
| 19 | 11.022 | 1344 | 1349 | 1356 | rVB2 | 241136 | 382686 | 4.55% | 0.799% |
| 20 | 11.133 | 1362 | 1368 | 1374 | rBV | 218065 | 406029 | 4.82% | 0.848% |
| 21 | 11.216 | 1378 | 1382 | 1389 | rVV5 | 66035 | 126423 | 1.50% | 0.264% |
| 22 | 11.469 | 1419 | 1425 | 1431 | rVB3 | 136476 | 251341 | 2.99% | 0.525% |
| 23 | 11.663 | 1453 | 1458 | 1467 | rBV3 | 123253 | 258513 | 3.07% | 0.540% |
| 24 | 11.757 | 1468 | 1474 | 1479 | rVV4 | 58666 | 114785 | 1.36% | 0.240% |
| 25 | 11.880 | 1486 | 1495 | 1502 | rVB3 | 99339 | 199983 | 2.38% | 0.418% |
| 26 | 11.974 | 1502 | 1511 | 1516 | rBV6 | 100909 | 276041 | 3.28% | 0.577% |
| 27 | 12.110 | 1529 | 1534 | 1541 | rVB2 | 235305 | 406493 | 4.83% | 0.849% |
| 28 | 12.180 | 1541 | 1546 | 1552 | rBV3 | 68088 | 112132 | 1.33% | 0.234% |
| 29 | 12.422 | 1579 | 1587 | 1591 | rBV7 | 55502 | 124137 | 1.47% | 0.259% |
| 30 | 12.480 | 1591 | 1597 | 1601 | rBV4 | 178591 | 319167 | 3.79% | 0.667% |
| 31 | 12.892 | 1660 | 1667 | 1674 | rBV7 | 78756 | 221574 | 2.63% | 0.463% |
| 32 | 12.957 | 1674 | 1678 | 1682 | rVV2 | 85967 | 152110 | 1.81% | 0.318% |
| 33 | 13.039 | 1685 | 1692 | 1699 | rVB | 3890841 | 5654050 | 67.16% | 11.809% |
| 34 | 13.245 | 1723 | 1727 | 1731 | rVB3 | 58477 | 86026 | 1.02% | 0.180% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050617\
Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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\8270-BM050517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.351 | 1739 | 1745 | 1749 | rVV2 | 167947 | 317177 | 3.77% | 0.662% |
| 36 | 13.404 | 1749 | 1754 | 1761 | rVB3 | 150408 | 269053 | 3.20% | 0.562% |
| 37 | 13.610 | 1785 | 1789 | 1793 | rVB4 | 68581 | 93979 | 1.12% | 0.196% |
| 38 | 13.704 | 1801 | 1805 | 1808 | rBV4 | 72523 | 120004 | 1.43% | 0.251% |
| 39 | 13.774 | 1812 | 1817 | 1821 | rVB6 | 99776 | 178092 | 2.12% | 0.372% |
| 40 | 13.874 | 1830 | 1834 | 1839 | rBV3 | 79445 | 145495 | 1.73% | 0.304% |
| 41 | 14.427 | 1922 | 1928 | 1934 | rBV2 | 729023 | 1207173 | 14.34% | 2.521% |
| 42 | 14.833 | 1992 | 1997 | 2006 | rVB10 | 70848 | 135250 | 1.61% | 0.282% |
| 43 | 15.039 | 2026 | 2032 | 2040 | rBV8 | 87723 | 242176 | 2.88% | 0.506% |
| 44 | 15.263 | 2064 | 2070 | 2077 | rVB8 | 44739 | 94418 | 1.12% | 0.197% |
| 45 | 15.598 | 2123 | 2127 | 2131 | rBV | 292046 | 398926 | 4.74% | 0.833% |
| 46 | 15.927 | 2177 | 2183 | 2194 | rBV | 3743220 | 5218441 | 61.99% | 10.899% |
| 47 | 16.533 | 2283 | 2286 | 2290 | rVB3 | 88011 | 108201 | 1.29% | 0.226% |
| 48 | 17.180 | 2391 | 2396 | 2402 | rVB | 1022508 | 1406084 | 16.70% | 2.937% |
| 49 | 17.274 | 2407 | 2412 | 2420 | rVB9 | 42797 | 104683 | 1.24% | 0.219% |
| 50 | 18.056 | 2542 | 2545 | 2548 | rBV3 | 75593 | 84541 | 1.00% | 0.177% |
| 51 | 18.509 | 2617 | 2622 | 2627 | rBV2 | 159567 | 238036 | 2.83% | 0.497% |
| 52 | 18.956 | 2694 | 2698 | 2699 | rBV4 | 69443 | 87254 | 1.04% | 0.182% |
| 53 | 19.127 | 2720 | 2727 | 2732 | rBV6 | 61591 | 132277 | 1.57% | 0.276% |
| 54 | 19.803 | 2836 | 2842 | 2854 | rBV | 6928790 | 8418206 | 100.00% | 17.583% |
| 55 | 21.050 | 3051 | 3054 | 3058 | rBV3 | 140758 | 169910 | 2.02% | 0.355% |
| 56 | 21.368 | 3103 | 3108 | 3114 | rBV | 1184485 | 1473576 | 17.50% | 3.078% |
| 57 | 23.668 | 3493 | 3499 | 3506 | rVB | 619027 | 1191306 | 14.15% | 2.488% |

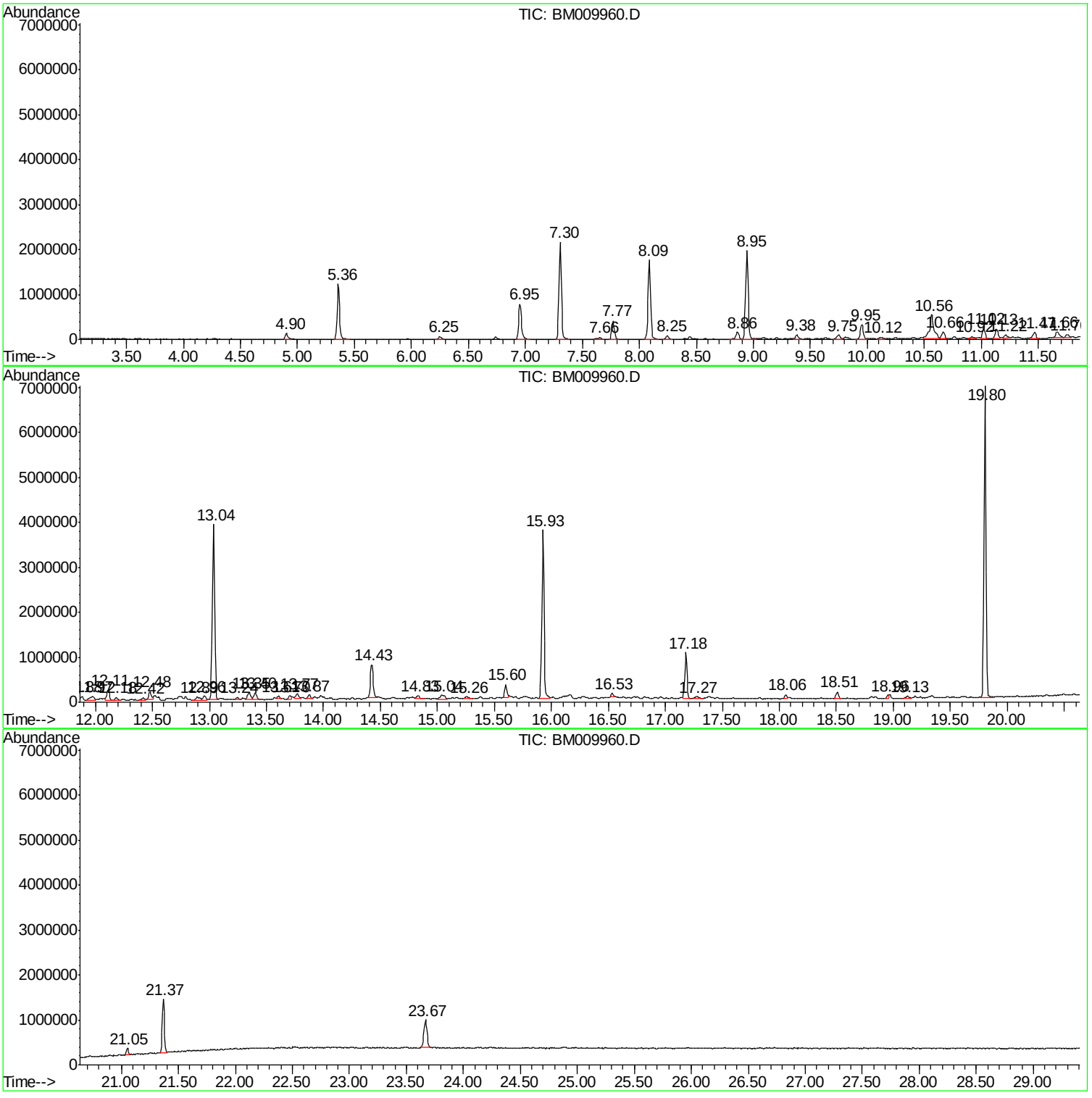
Sum of corrected areas: 47878076

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050617\
Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050617\
Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

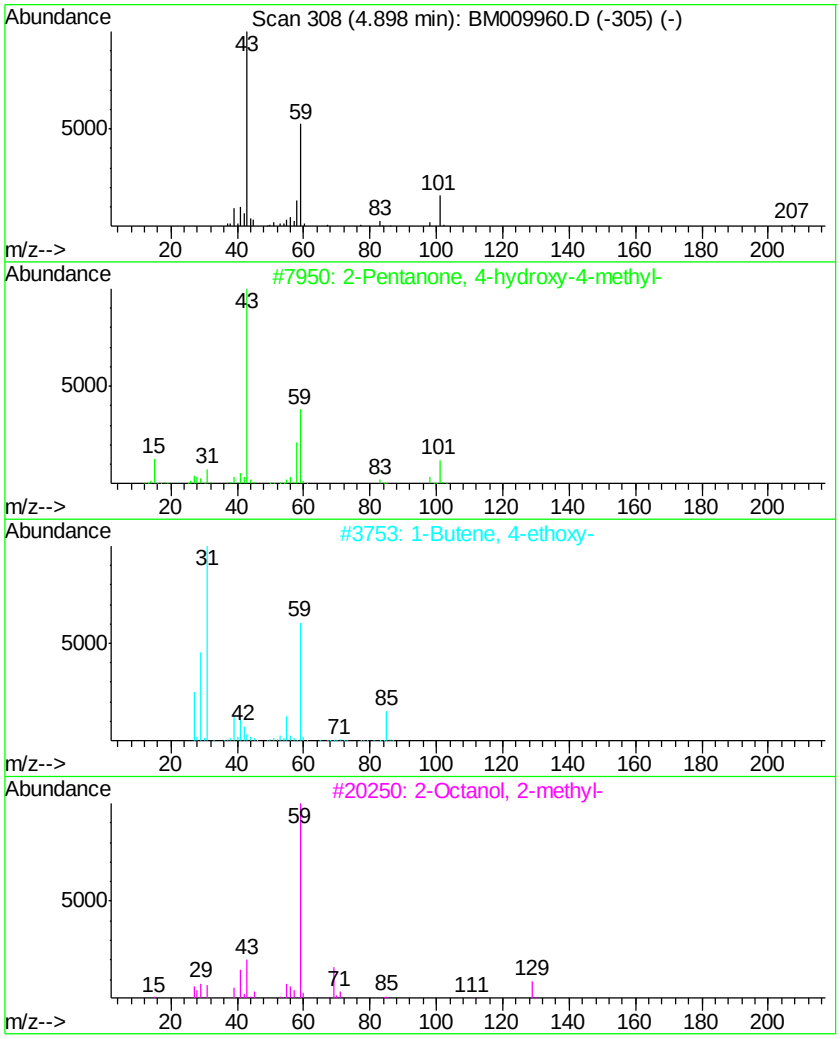
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

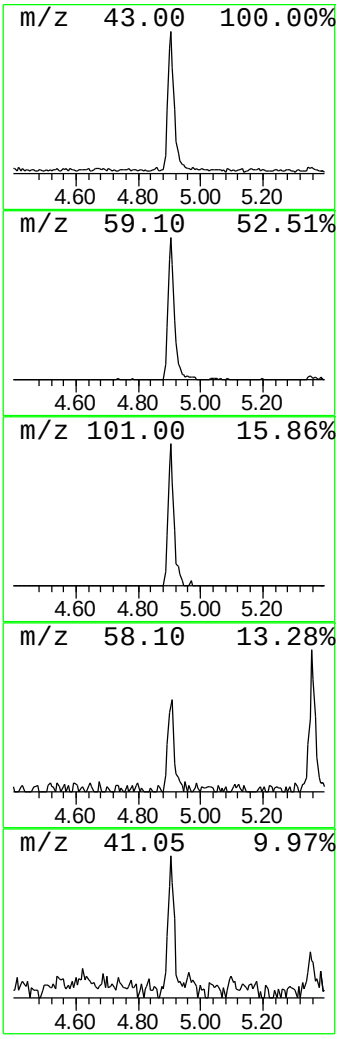
**********

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.90 | 5.79 ng | 187286 | 1,4-Dichlorobenzene-d4 | 7.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Pentanone, 4-hydroxy-4-methyl- | 116 | C6H12O2 | 000123-42-2 | 50 |
| 2 | 1-Butene, 4-ethoxy- | 100 | C6H12O | 044611-46-3 | 17 |
| 3 | 2-Octanol, 2-methyl- | 144 | C9H20O | 000628-44-4 | 17 |
| 4 | Diacetamide | 101 | C4H7NO2 | 000625-77-4 | 9 |
| 5 | 4-Penten-2-one, 4-methyl- | 98 | C6H10O | 003744-02-3 | 9 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050617\
Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

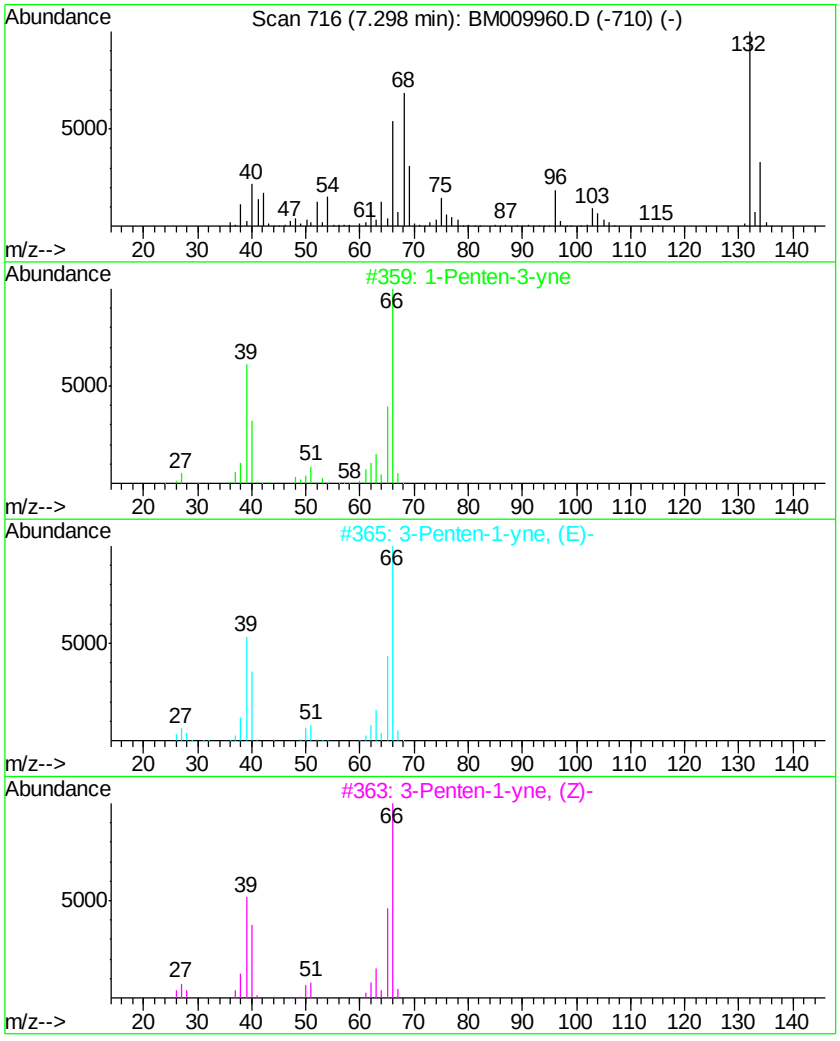
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

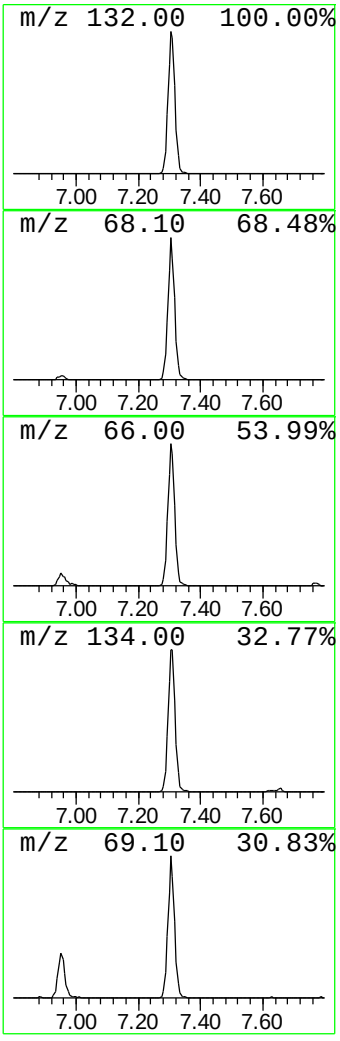
**********

Peak Number 2 unknown7.30 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.30 | 104.98 ng | 3396680 | 1,4-Dichlorobenzene-d4 | 7.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Penten-3-yne | 66 | C5H6 | 000646-05-9 | 38 |
| 2 | 3-Penten-1-yne, (E)- | 66 | C5H6 | 002004-69-5 | 35 |
| 3 | 3-Penten-1-yne, (Z)- | 66 | C5H6 | 001574-40-9 | 35 |
| 4 | 3-Hexenedinitrile | 106 | C6H6N2 | 001119-85-3 | 35 |
| 5 | Propanedinitrile | 66 | C3H2N2 | 000109-77-3 | 25 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050617\
Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

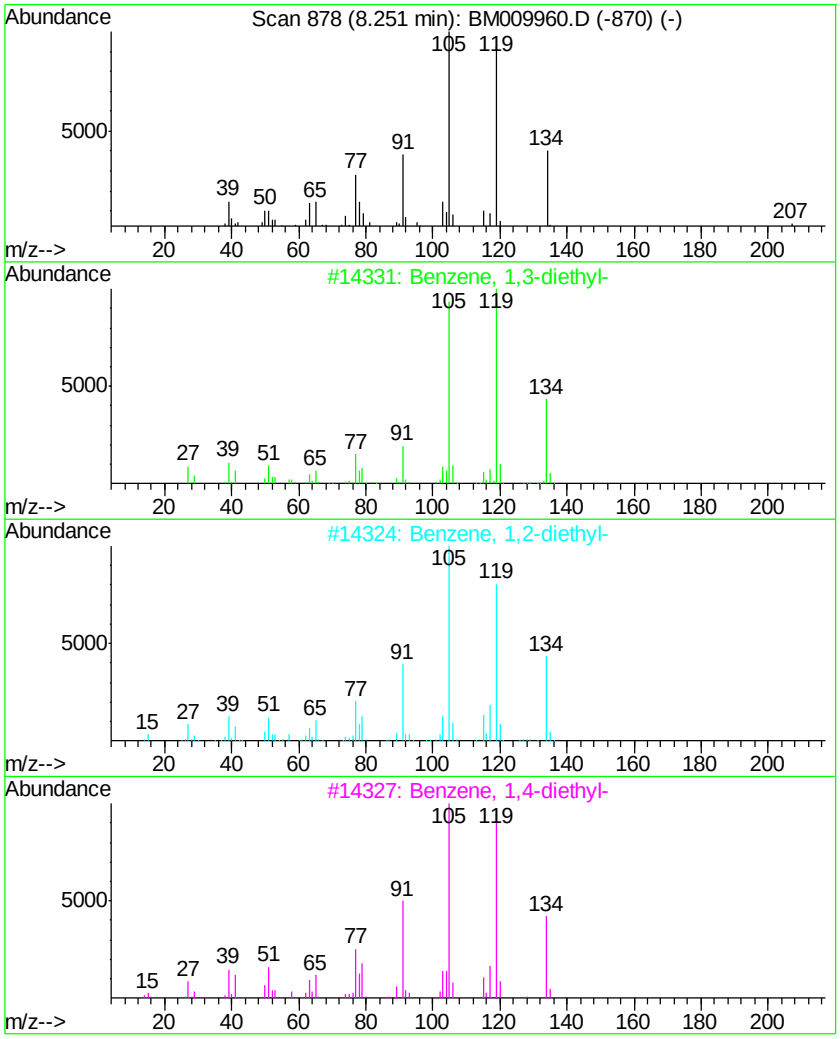
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

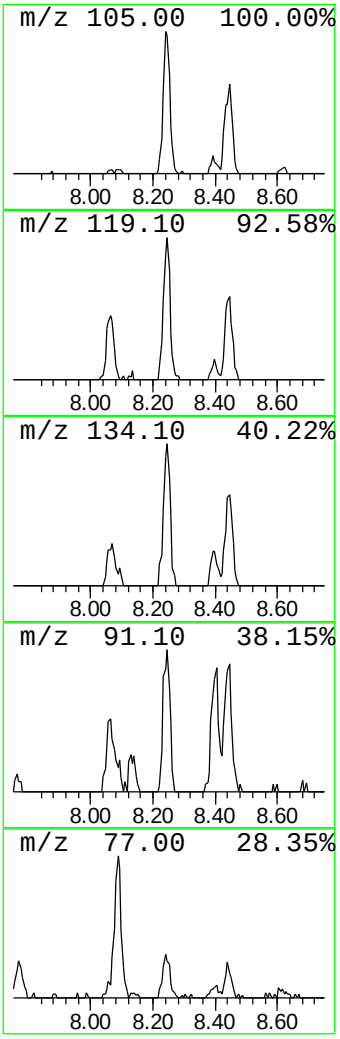
**********

Peak Number 4 Benzene, 1,3-diethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.25 | 4.33 ng | 140075 | 1,4-Dichlorobenzene-d4 | 7.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-diethyl- | 134 | C10H14 | 000141-93-5 | 91 |
| 2 | Benzene, 1,2-diethyl- | 134 | C10H14 | 000135-01-3 | 90 |
| 3 | Benzene, 1,4-diethyl- | 134 | C10H14 | 000105-05-5 | 87 |
| 4 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 76 |
| 5 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 76 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050617\
Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

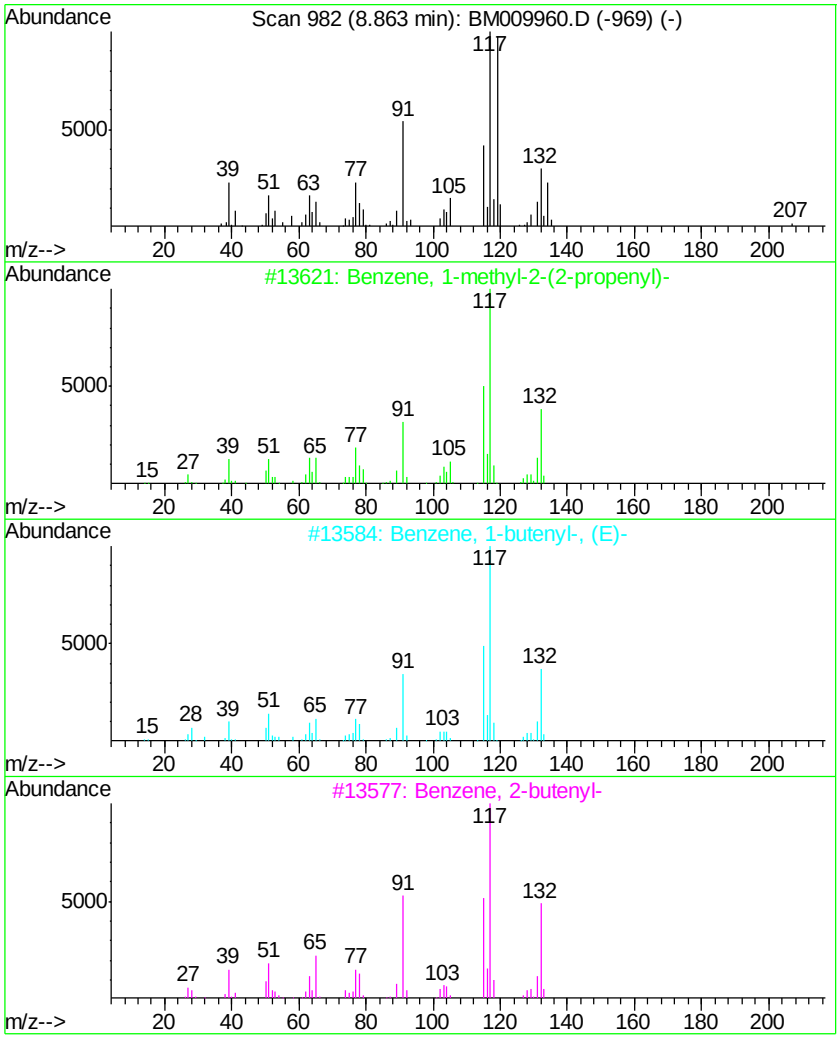
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

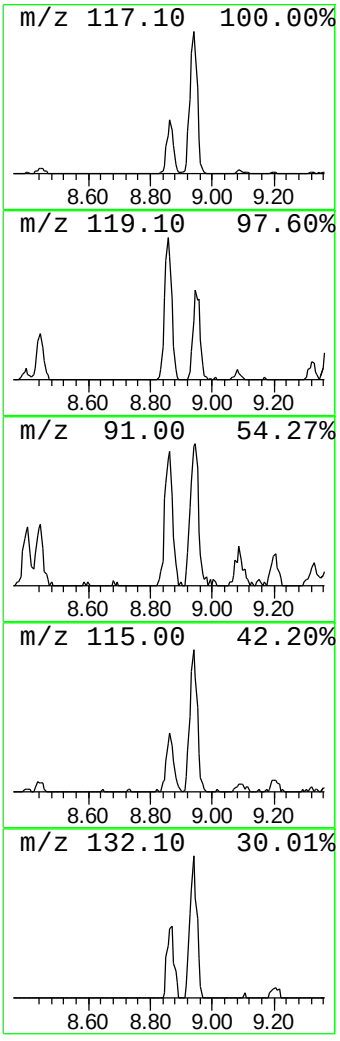
**********

Peak Number 5 Benzene, 1-methyl-2-(2-prop... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.86 | 9.00 ng | 291302 | 1,4-Dichlorobenzene-d4 | 7.77 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 92 |
| 2 | Benzene, 1-butenyl-, (E)- | 132 | C10H12 | 001005-64-7 | 91 |
| 3 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 83 |
| 4 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 60 |
| 5 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000768-00-3 | 60 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050617\
Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

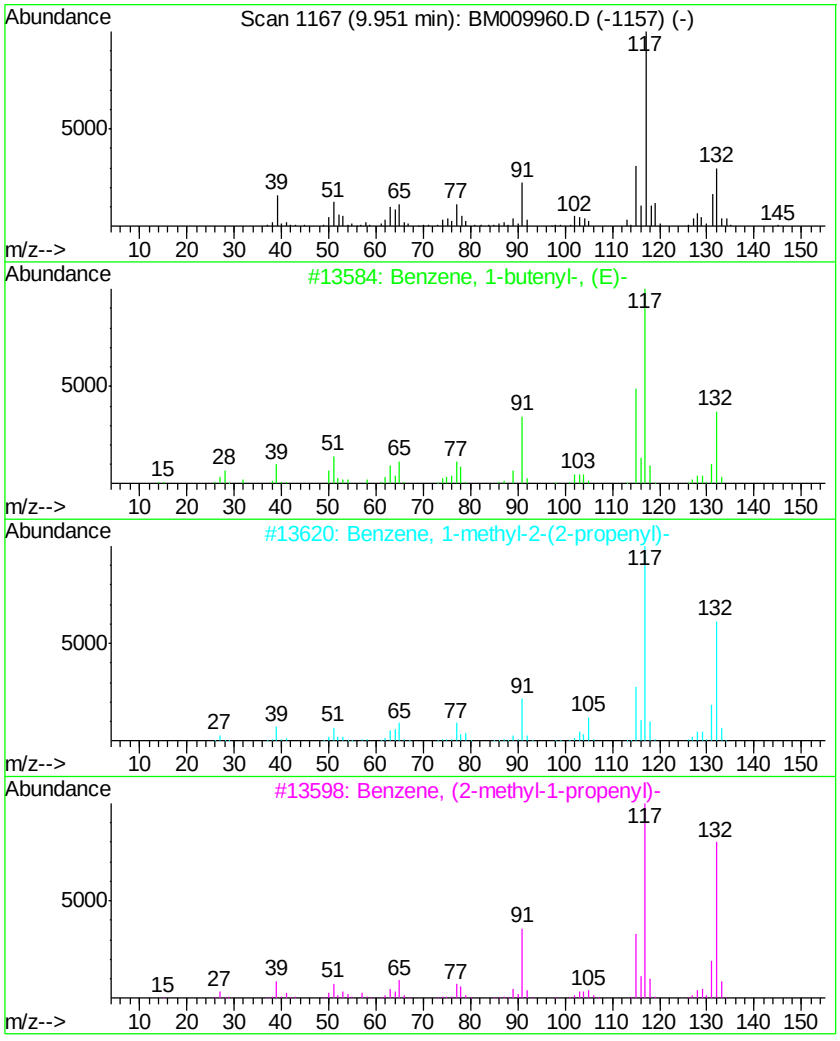
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

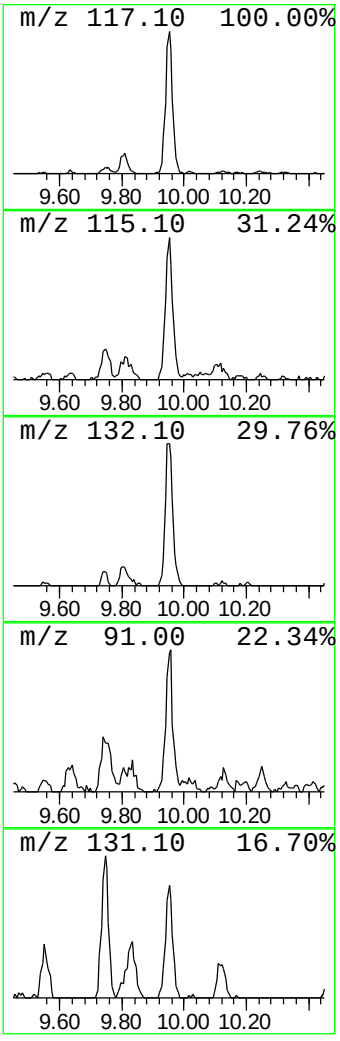
**********

Peak Number 6 Benzene, 1-butenyl-, (E)- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.95 | 8.71 ng | 590682 | Naphthalene-d8 | 10.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-butenyl-, (E)- | 132 | C10H12 | 001005-64-7 | 92 |
| 2 | Benzene, 1-methyl-2-(2-propenyl)- | 132 | C10H12 | 001587-04-8 | 90 |
| 3 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 90 |
| 4 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 90 |
| 5 | Benzene, (1-methyl-1-propenyl)-,... | 132 | C10H12 | 000767-99-7 | 90 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050617\
Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

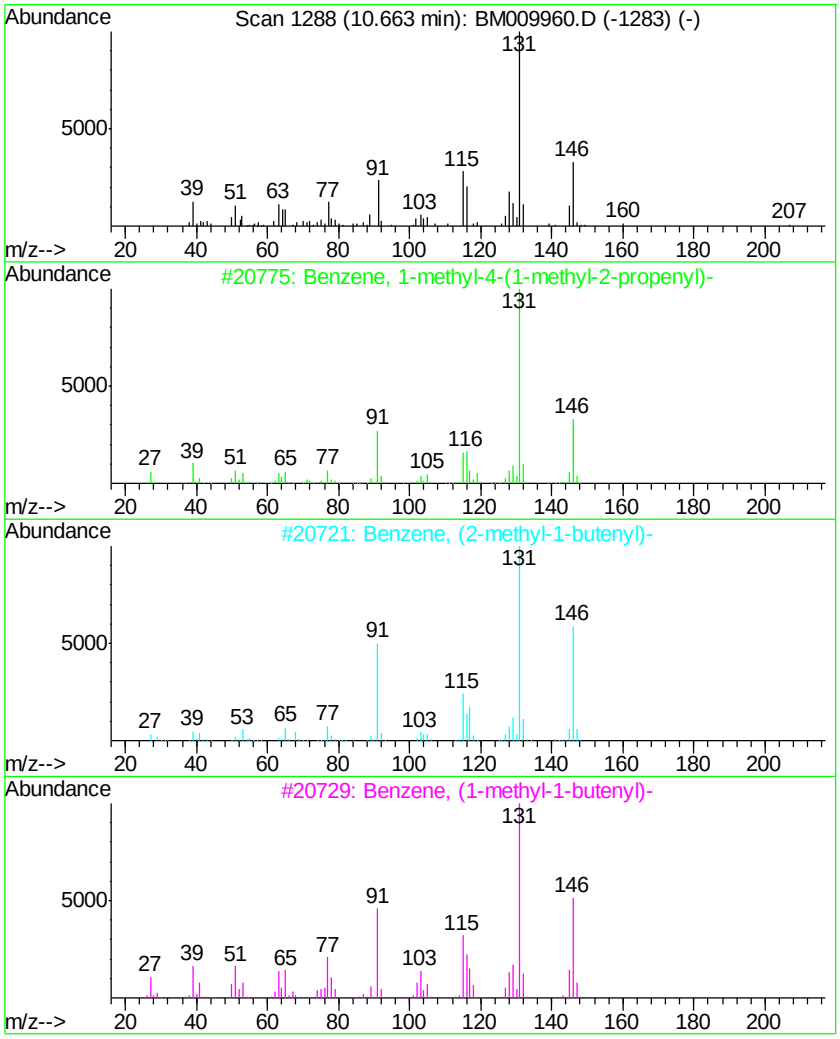
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

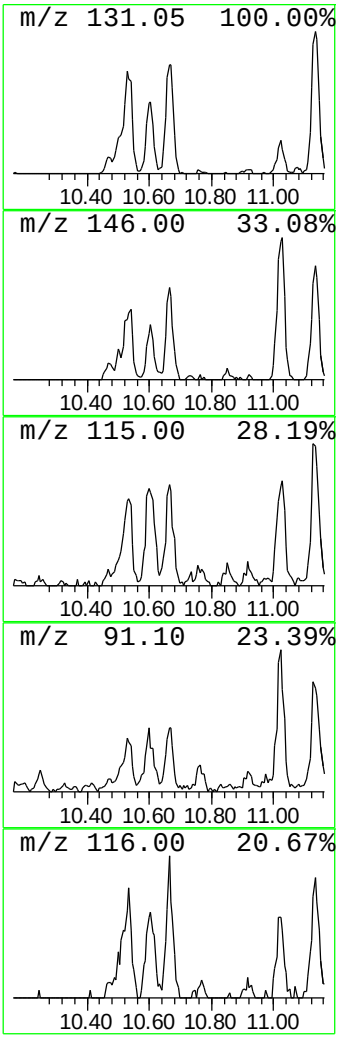
**********

Peak Number 7 Benzene, 1-methyl-4-(1-meth... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.66 | 3.85 ng | 261303 | Naphthalene-d8 | 10.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14 | 097664-18-1 | 91 |
| 2 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 91 |
| 3 | Benzene, (1-methyl-1-butenyl)- | 146 | C11H14 | 053172-84-2 | 91 |
| 4 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 87 |
| 5 | 1,3-Cyclopentadiene, 5-(trans-2-... | 146 | C11H14 | 079209-36-2 | 87 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050617\
Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

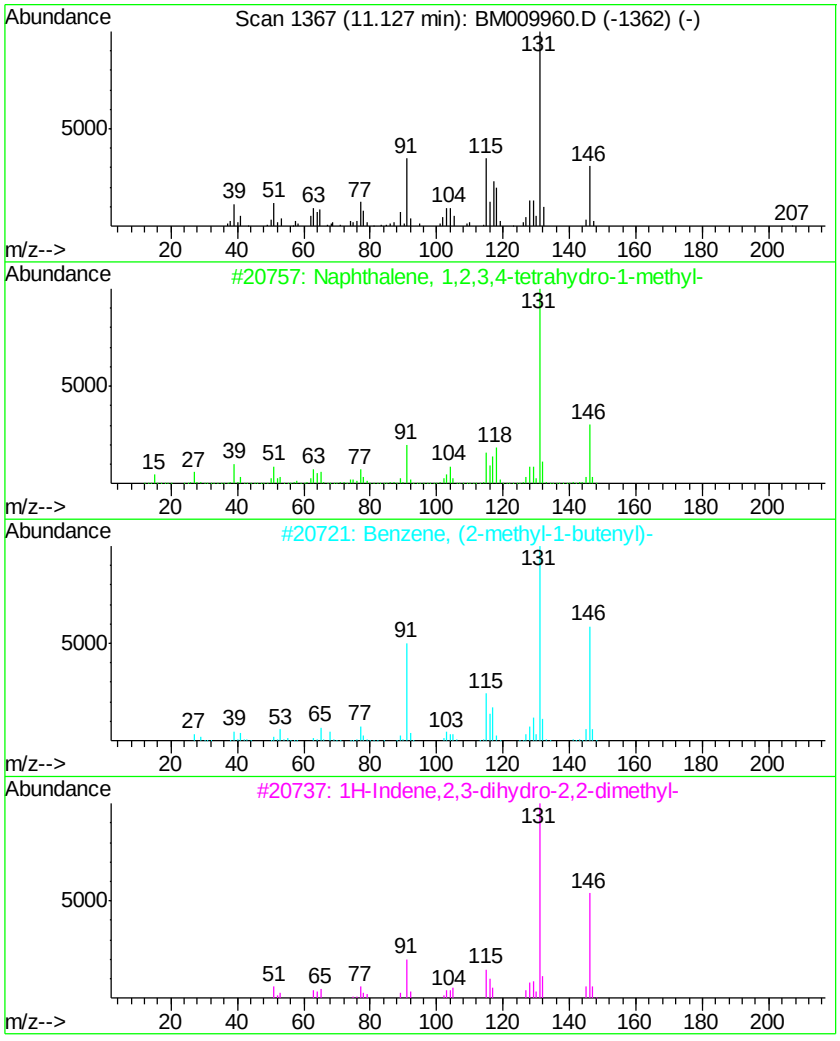
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

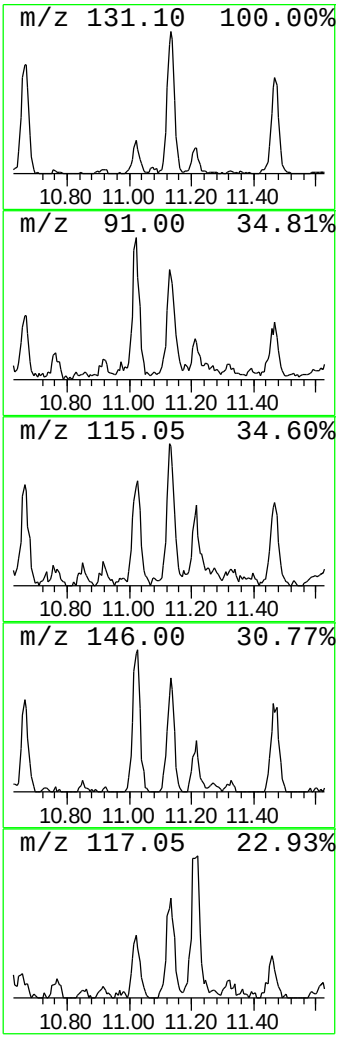
**********

Peak Number 9 Benzene, (2-methyl-1-butenyl)- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.13 | 5.99 ng | 406029 | Naphthalene-d8 | 10.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 94 |
| 2 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 93 |
| 3 | 1H-Indene,2,3-dihydro-2,2-dimethyl- | 146 | C11H14 | 020836-11-7 | 81 |
| 4 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 76 |
| 5 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 70 |



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Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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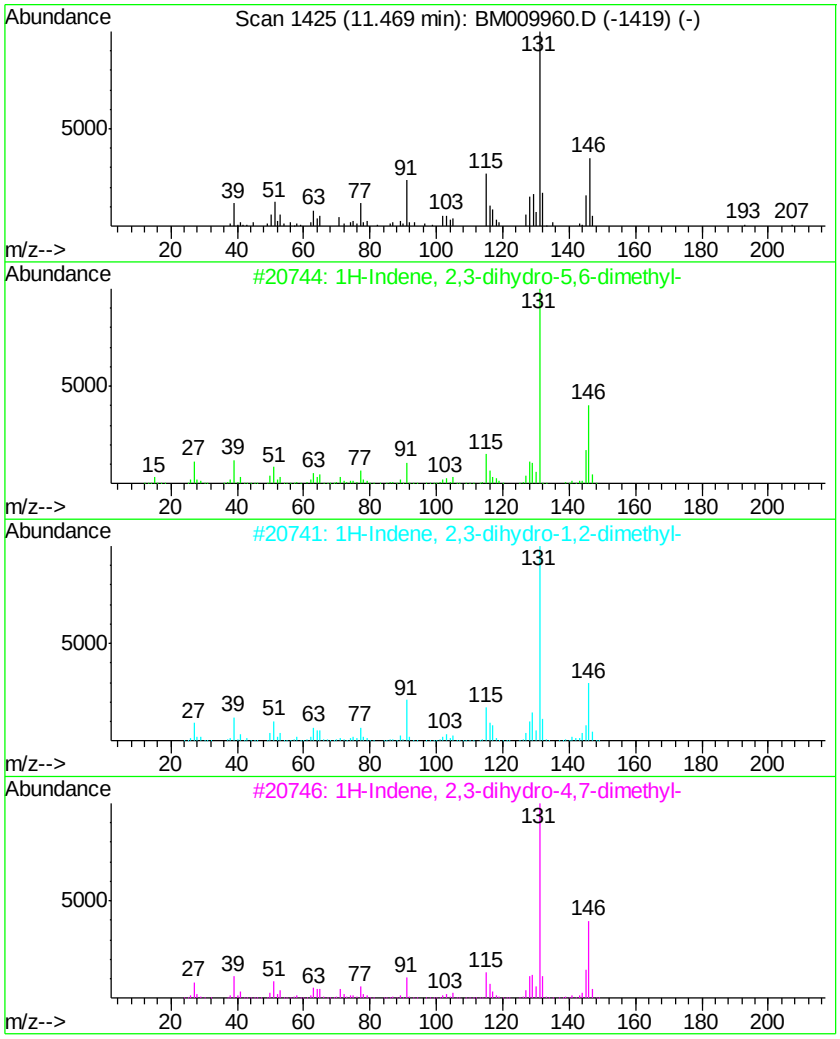
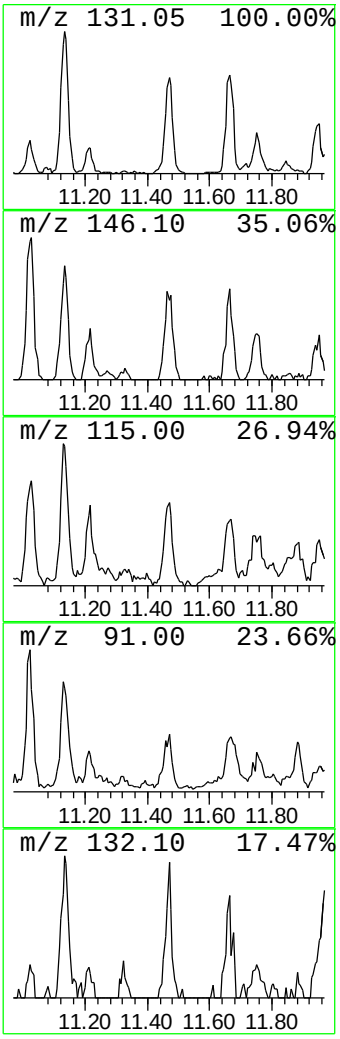
Peak Number 10 1H-Indene, 2,3-dihydro-5,6-... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.47 | 3.71 ng | 251341 | Naphthalene-d8 | 10.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-5,6-dimet... | 146 | C11H14 | 001075-22-5 | 91 |
| 2 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 91 |
| 3 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 91 |
| 4 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 90 |
| 5 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 90 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050617\
Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

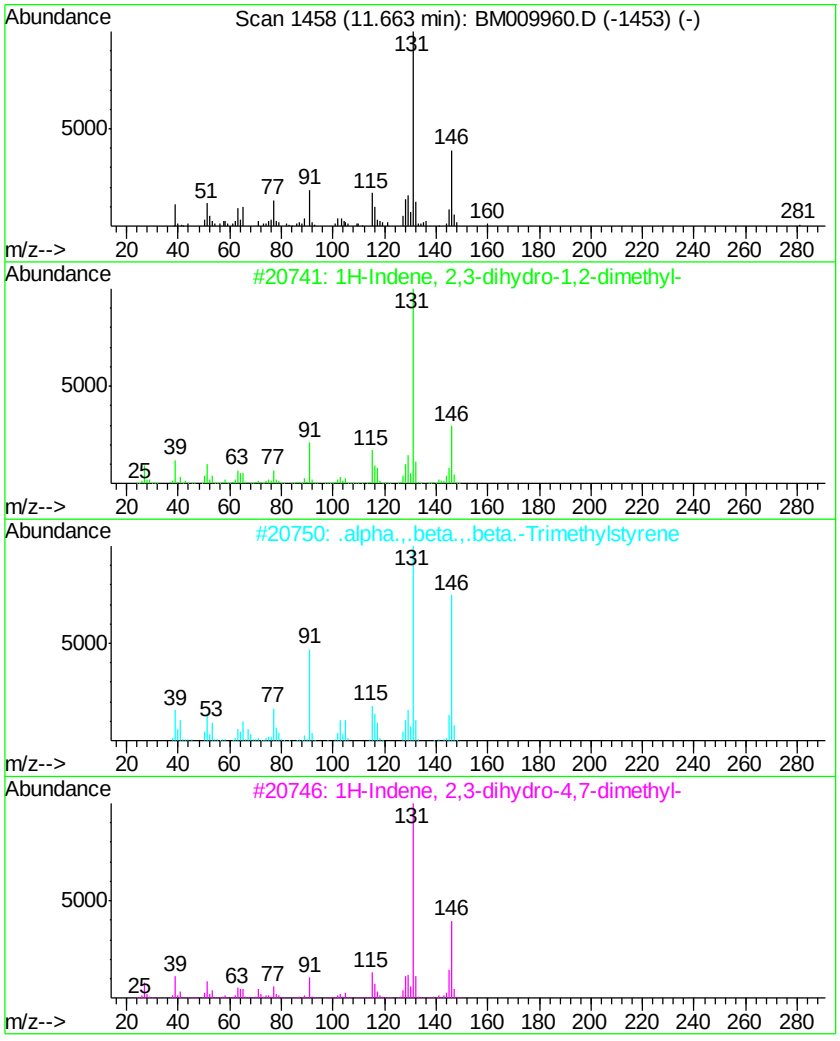
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

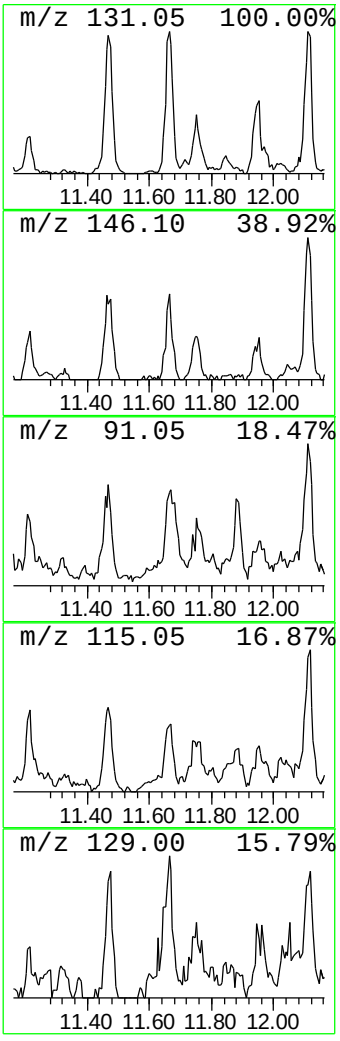
**********

Peak Number 11 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.66 | 3.81 ng | 258513 | Naphthalene-d8 | 10.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 94 |
| 2 | .alpha.,.beta.,.beta.-Trimethyls... | 146 | C11H14 | 000769-57-3 | 94 |
| 3 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 91 |
| 4 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 91 |
| 5 | Benzene, (3-methyl-2-butenyl)- | 146 | C11H14 | 004489-84-3 | 91 |



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Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

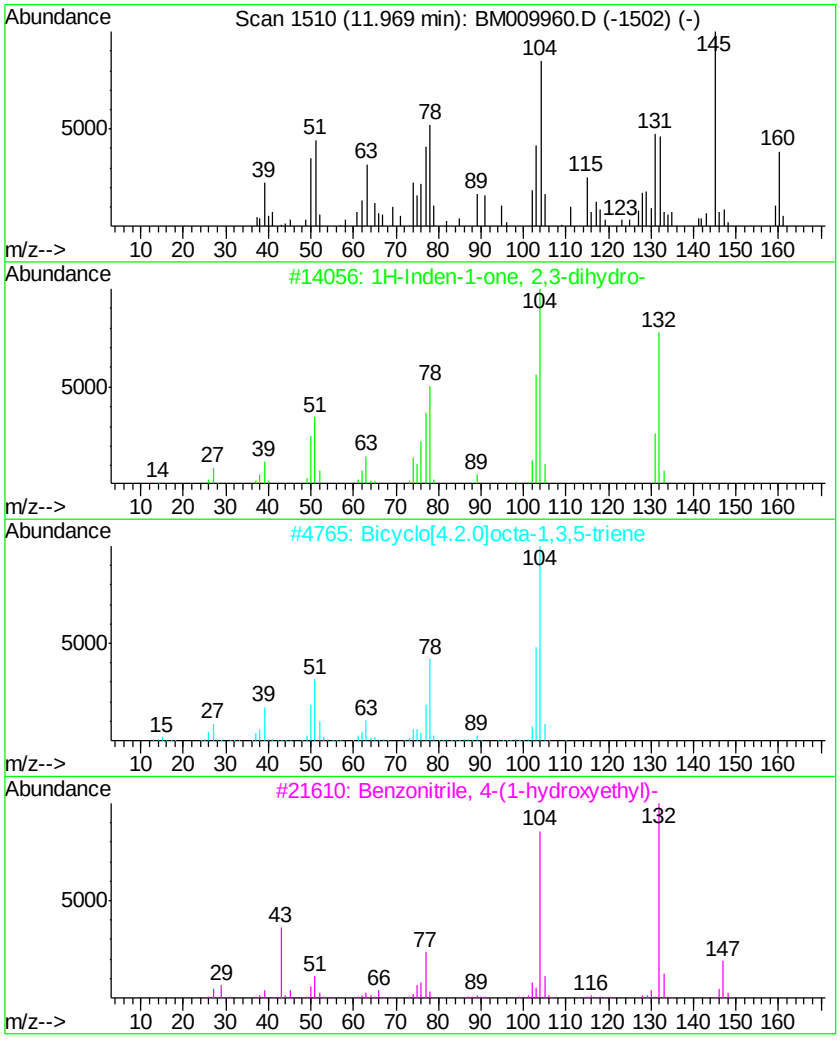
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

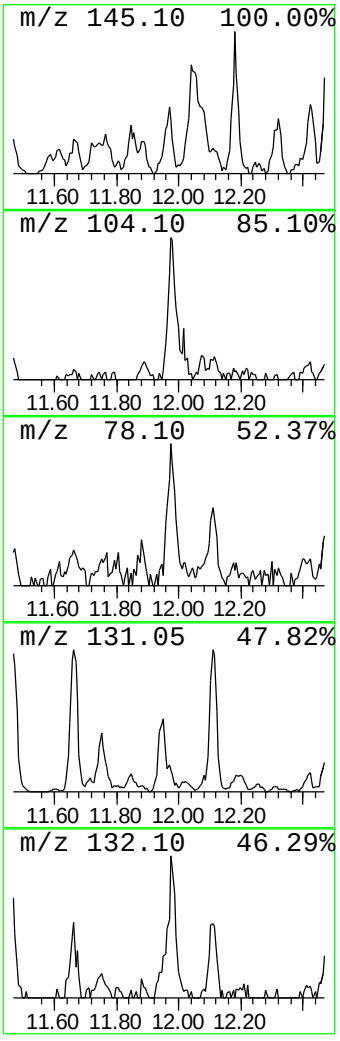
**********

Peak Number 12 1H-Inden-1-one, 2,3-dihydro- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.97 | 4.07 ng | 276041 | Naphthalene-d8 | 10.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Inden-1-one, 2,3-dihydro- | 132 | C9H8O | 000083-33-0 | 96 |
| 2 | Bicyclo[4.2.0]octa-1,3,5-triene | 104 | C8H8 | 000694-87-1 | 50 |
| 3 | Benzonitrile, 4-(1-hydroxyethyl)- | 147 | C9H9NO | 052067-35-3 | 50 |
| 4 | 2-Methyl-5-phenyltetrazole | 160 | C8H8N4 | 020743-49-1 | 49 |
| 5 | Styrene | 104 | C8H8 | 000100-42-5 | 46 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050617\
Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

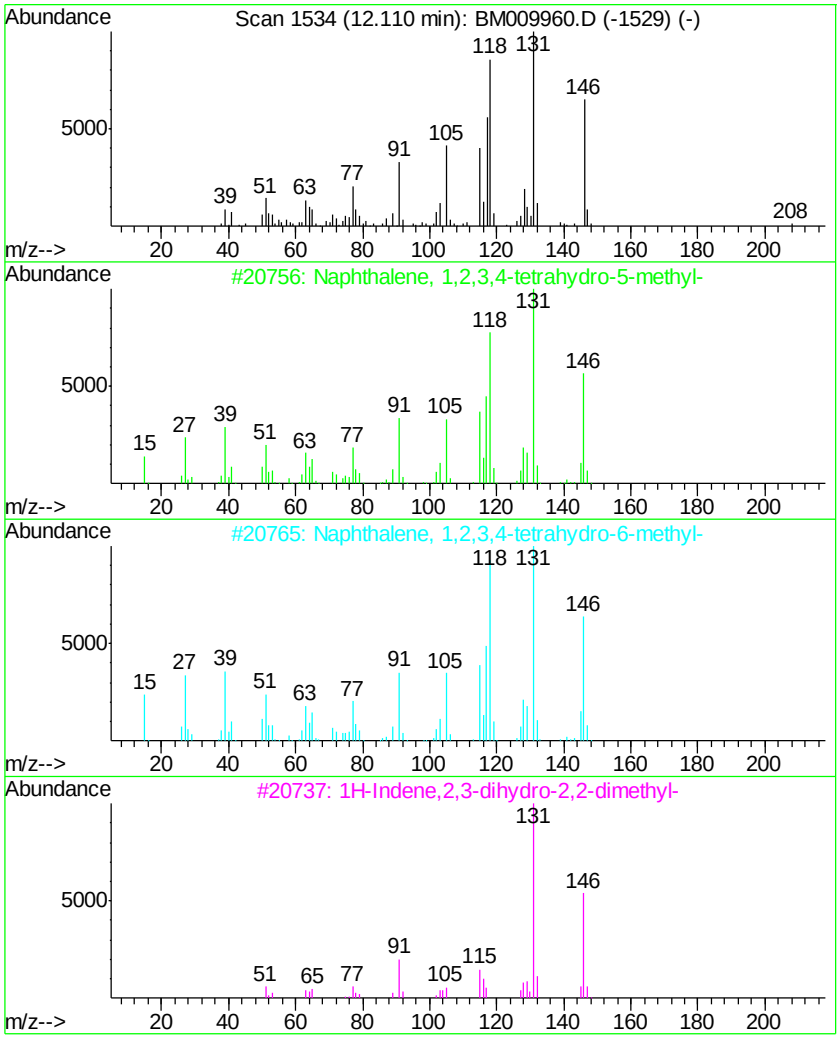
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

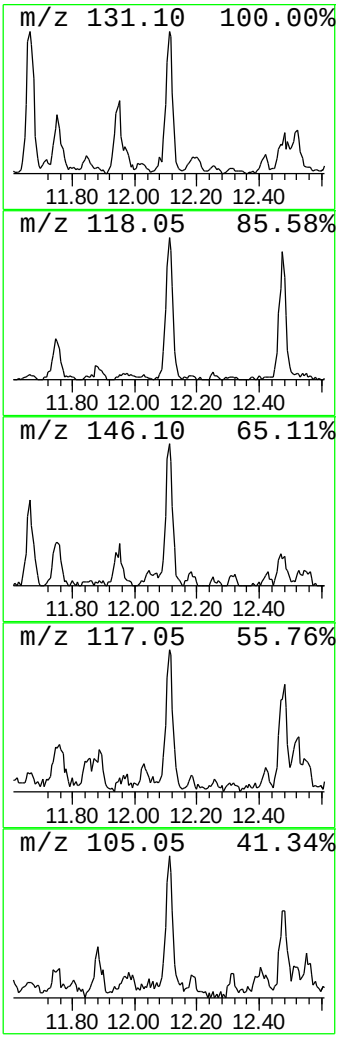
**********

Peak Number 13 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.11 | 5.99 ng | 406493 | Naphthalene-d8 | 10.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 94 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 93 |
| 3 | 1H-Indene,2,3-dihydro-2,2-dimethyl- | 146 | C11H14 | 020836-11-7 | 50 |
| 4 | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14 | 097664-18-1 | 50 |
| 5 | Benzene, (1,1-dimethyl-2-propenyl)- | 146 | C11H14 | 018321-36-3 | 50 |



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Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

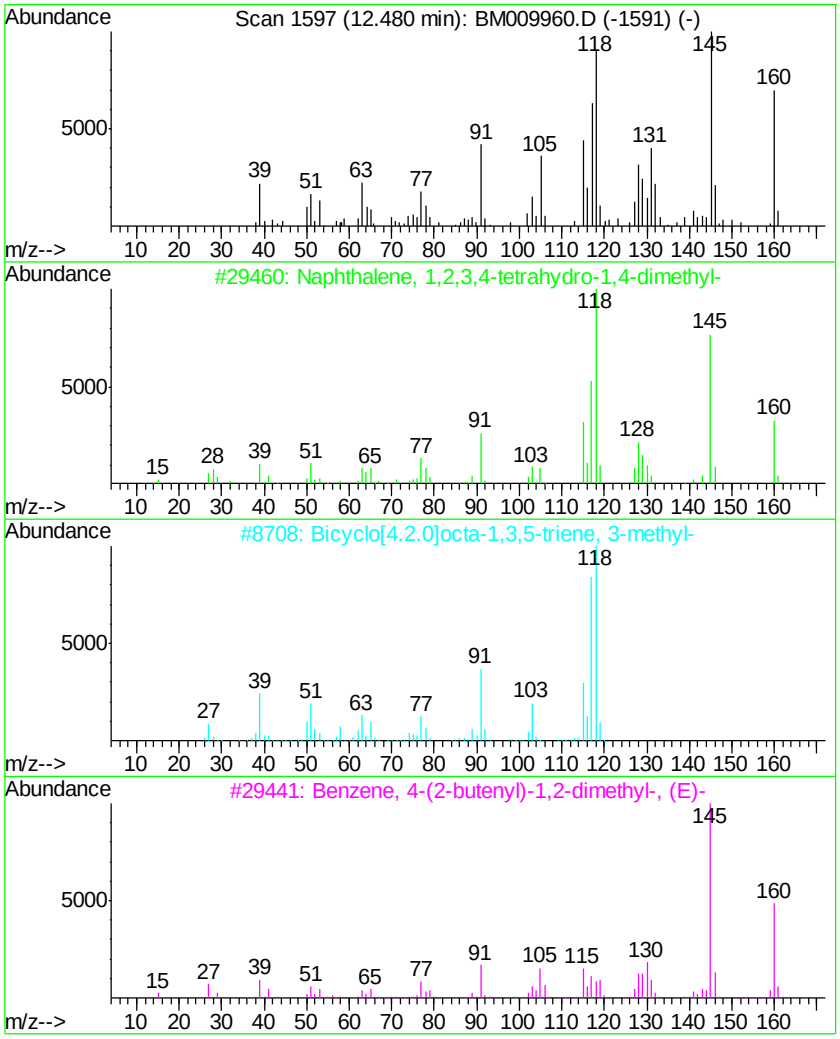
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

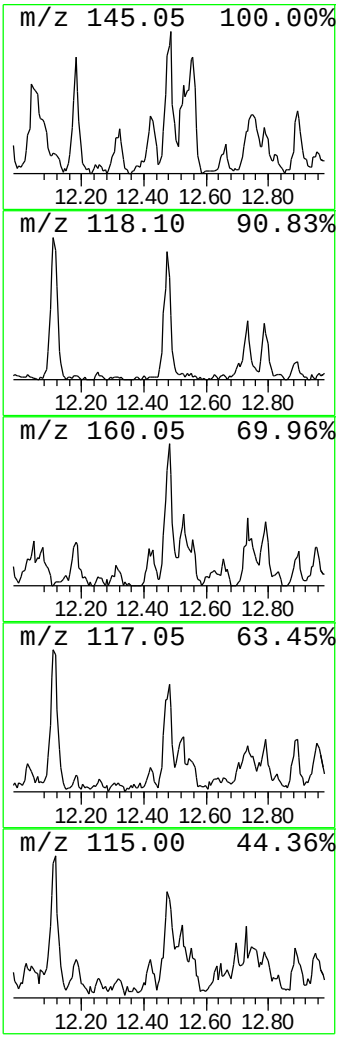
**********

Peak Number 14 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.48 | 4.71 ng | 319167 | Naphthalene-d8 | 10.56 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 004175-54-6 | 76 |
| 2 | Bicyclo[4.2.0]octa-1,3,5-triene,... | 118 | C9H10 | 022250-74-4 | 64 |
| 3 | Benzene, 4-(2-butenyl)-1,2-dimet... | 160 | C12H16 | 054340-86-2 | 60 |
| 4 | 1H-Imidazole, 4,5-dihydro-4-meth... | 160 | C10H12N2 | 000939-06-0 | 60 |
| 5 | Benzene, 1-(1-methylethenyl)-2-(... | 160 | C12H16 | 005557-93-7 | 60 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050617\
Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

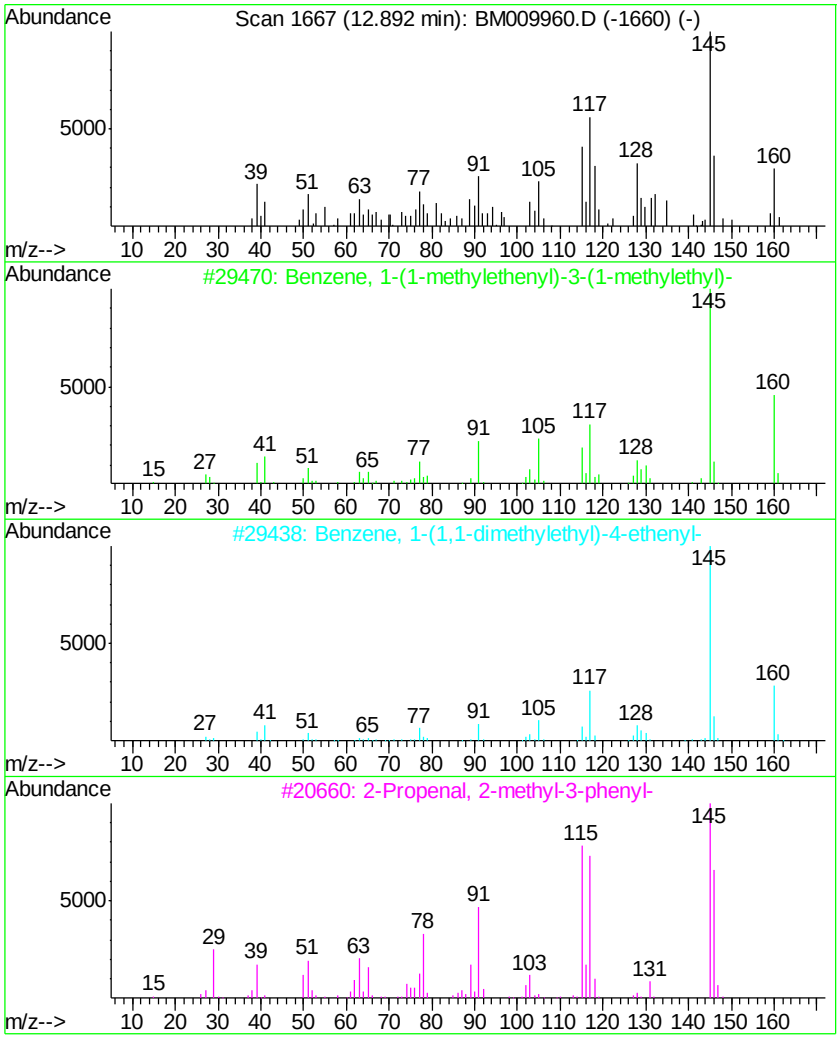
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

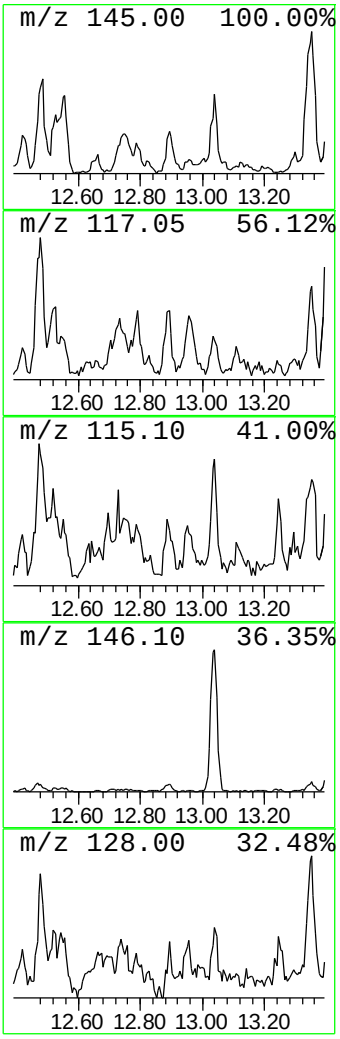
**********

Peak Number 15 Benzene, 1-(1-methylethenyl... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.89 | 3.67 ng | 221574 | Acenaphthene-d10 | 14.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-(1-methylethenyl)-3-(... | 160 | C12H16 | 001129-29-9 | 64 |
| 2 | Benzene, 1-(1,1-dimethylethyl)-4... | 160 | C12H16 | 001746-23-2 | 58 |
| 3 | 2-Propenal, 2-methyl-3-phenyl- | 146 | C10H10O | 000101-39-3 | 49 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 021564-91-0 | 46 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 004175-54-6 | 46 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050617\
Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

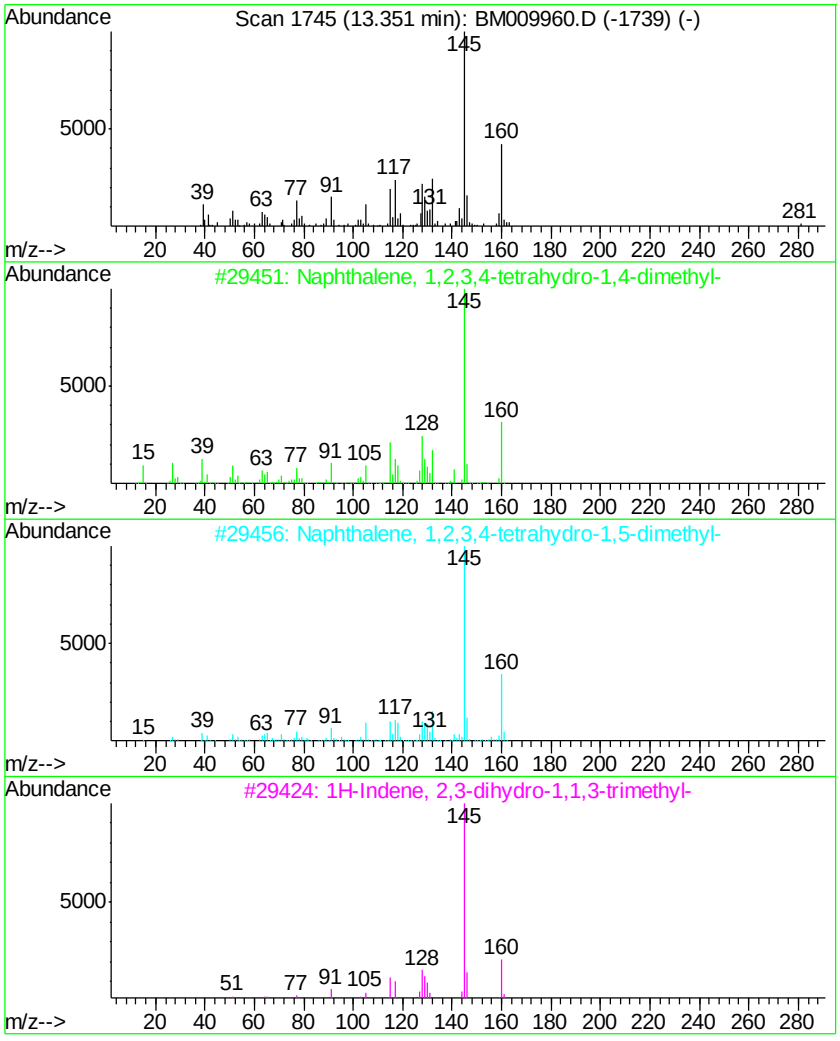
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

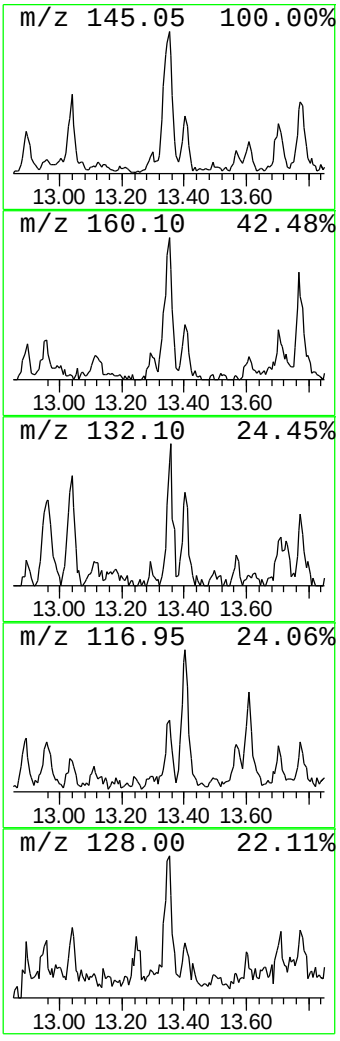
**********

Peak Number 16 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.35 | 5.25 ng | 317177 | Acenaphthene-d10 | 14.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 004175-54-6 | 87 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 021564-91-0 | 86 |
| 3 | 1H-Indene, 2,3-dihydro-1,1,3-tri... | 160 | C12H16 | 002613-76-5 | 76 |
| 4 | Benzene, 1-(1-methylethenyl)-3-(... | 160 | C12H16 | 001129-29-9 | 74 |
| 5 | Benzene, 1-(1-methylethenyl)-2-(... | 160 | C12H16 | 005557-93-7 | 72 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050617\
Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

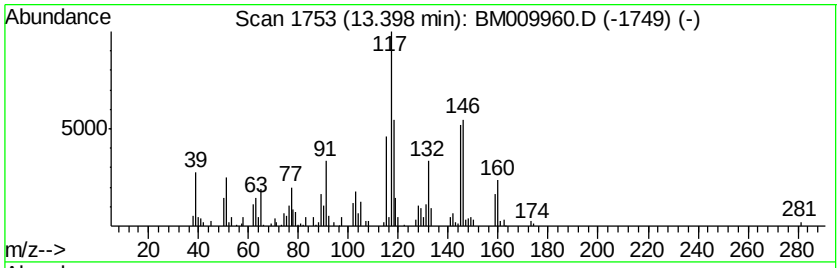
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

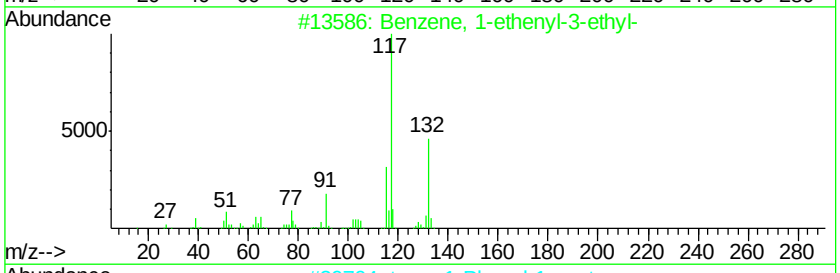
**********

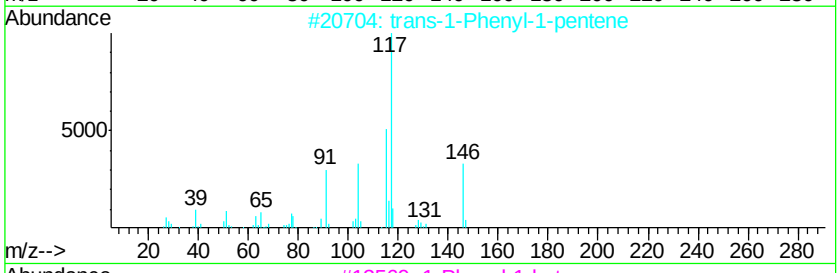
Peak Number 17 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 12

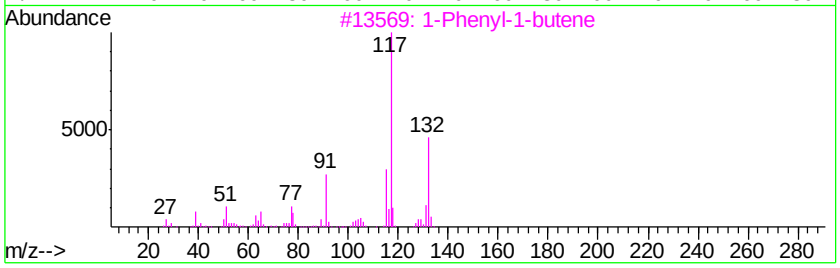
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.40 | 4.46 ng | 269053 | Acenaphthene-d10 | 14.42 |

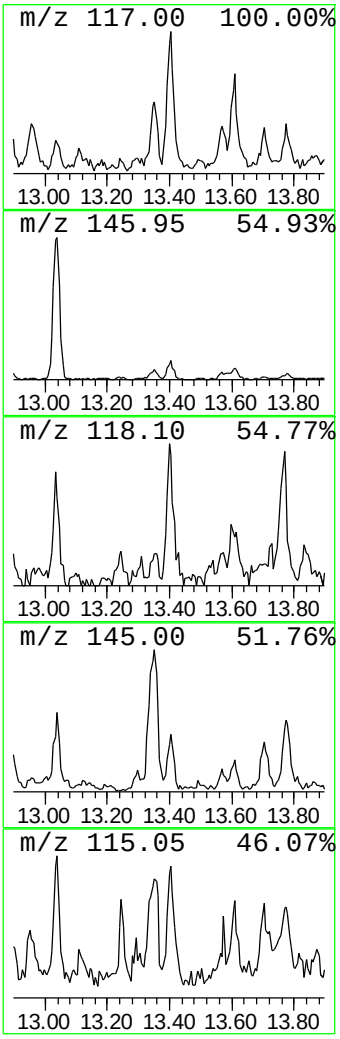
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 86 |
| 2 | trans-1-Phenyl-1-pentene | 146 | C11H14 | 016002-93-0 | 46 |
| 3 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 46 |
| 4 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 42 |
| 5 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 42 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050617\
Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

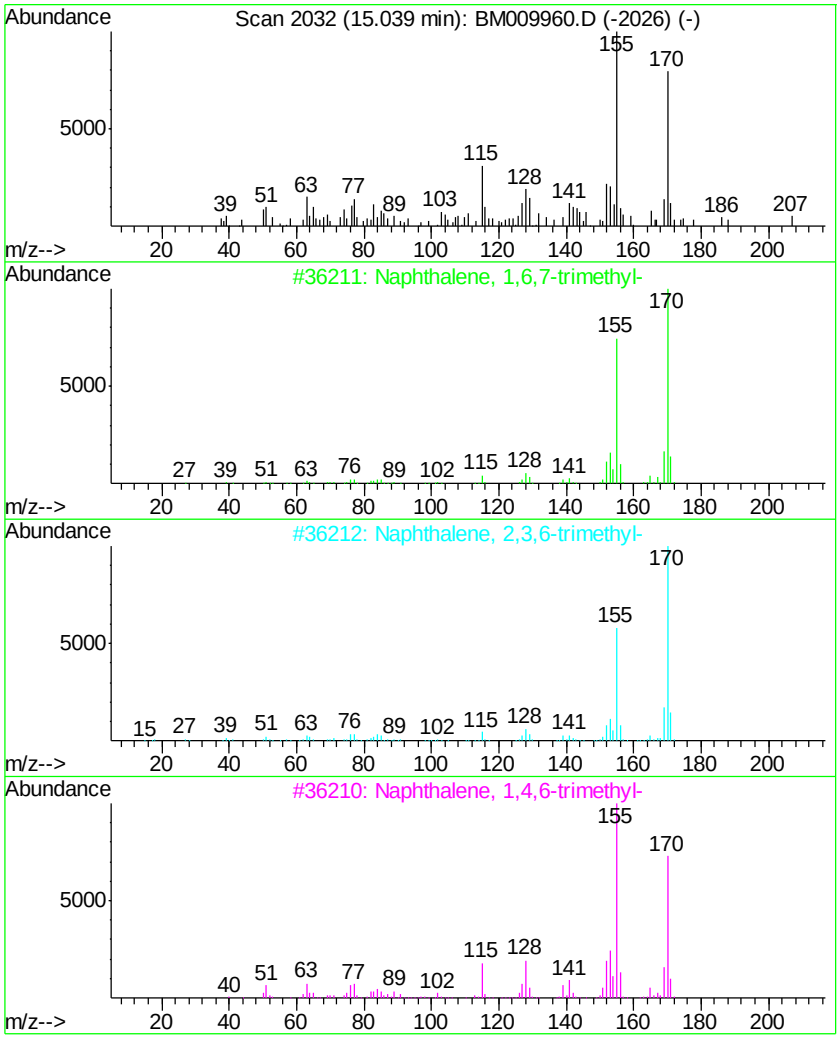
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

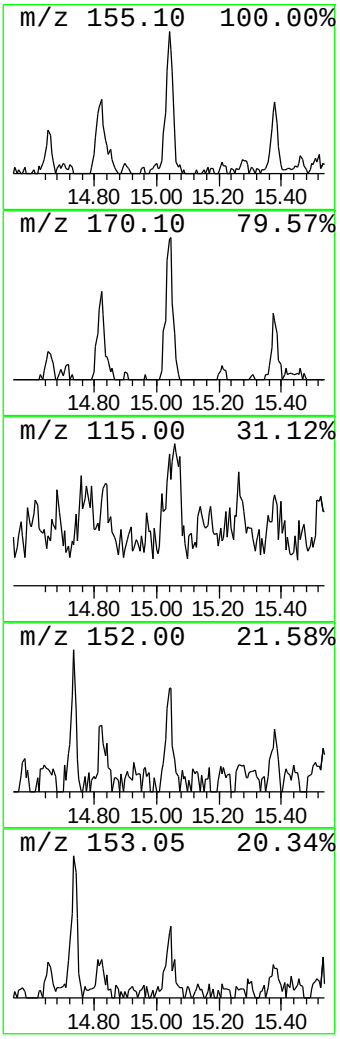
**********

Peak Number 18 Naphthalene, 1,6,7-trimethyl- Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.04 | 4.01 ng | 242176 | Acenaphthene-d10 | 14.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 95 |
| 2 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 93 |
| 3 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 93 |
| 4 | 3-(2-Methyl-propenyl)-1H-indene | 170 | C13H14 | 1000187-78-5 | 91 |
| 5 | 1-(2,2-Dimethylcyclopropyl)-2-ph... | 170 | C13H14 | 1000294-91-1 | 91 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050617\
Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

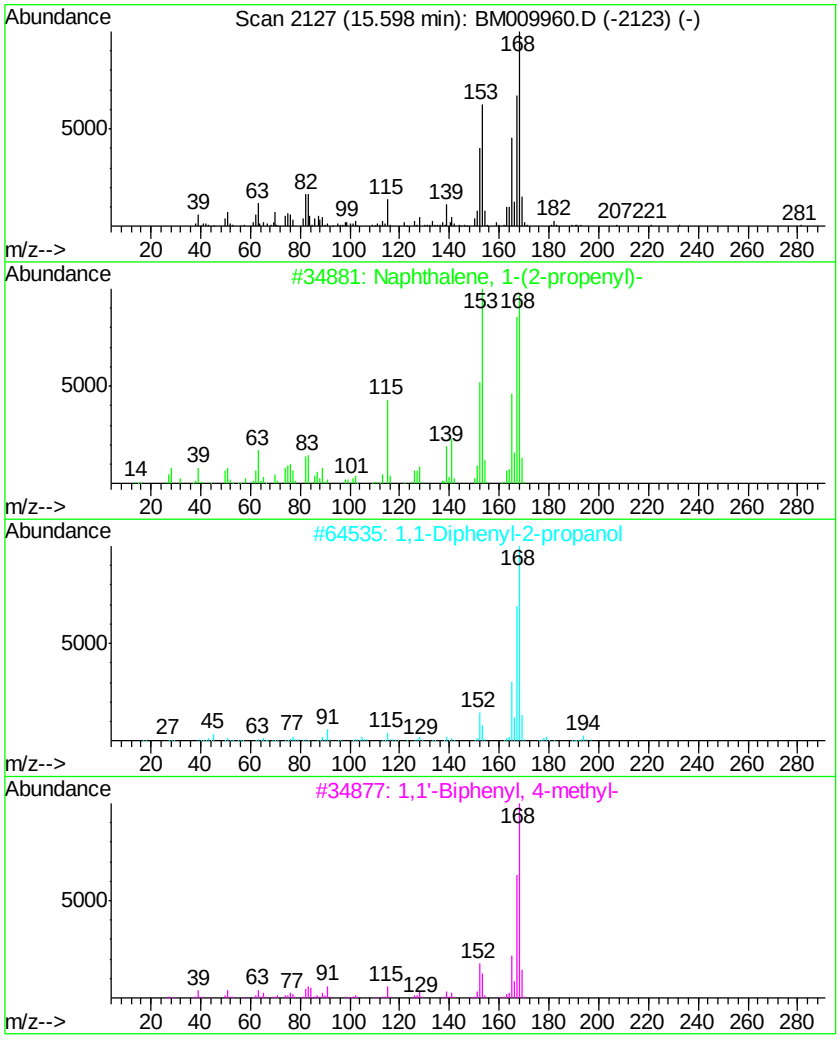
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

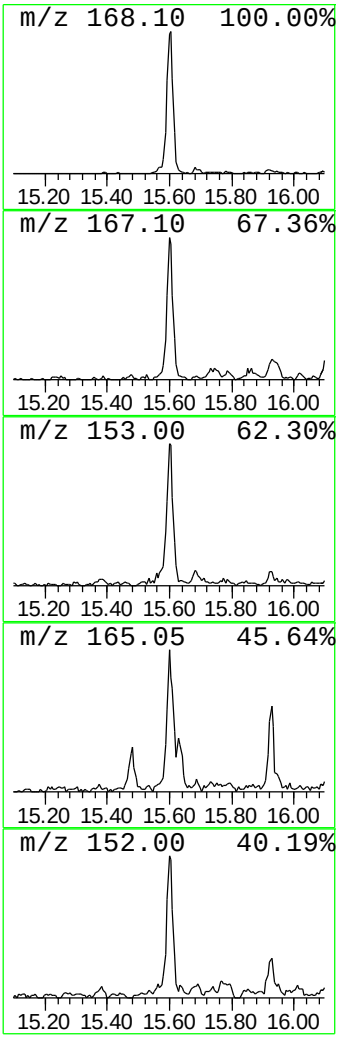
**********

Peak Number 19 Naphthalene, 1-(2-propenyl)- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.60 | 6.61 ng | 398926 | Acenaphthene-d10 | 14.42 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-(2-propenyl)- | 168 | C13H12 | 002489-86-3 | 90 |
| 2 | 1,1-Diphenyl-2-propanol | 212 | C15H16O | 029338-49-6 | 72 |
| 3 | 1,1'-Biphenyl, 4-methyl- | 168 | C13H12 | 000644-08-6 | 64 |
| 4 | 1-Isopropenylnaphthalene | 168 | C13H12 | 001855-47-6 | 62 |
| 5 | 1,1'-Biphenyl, 3-methyl- | 168 | C13H12 | 000643-93-6 | 60 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050617\
Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

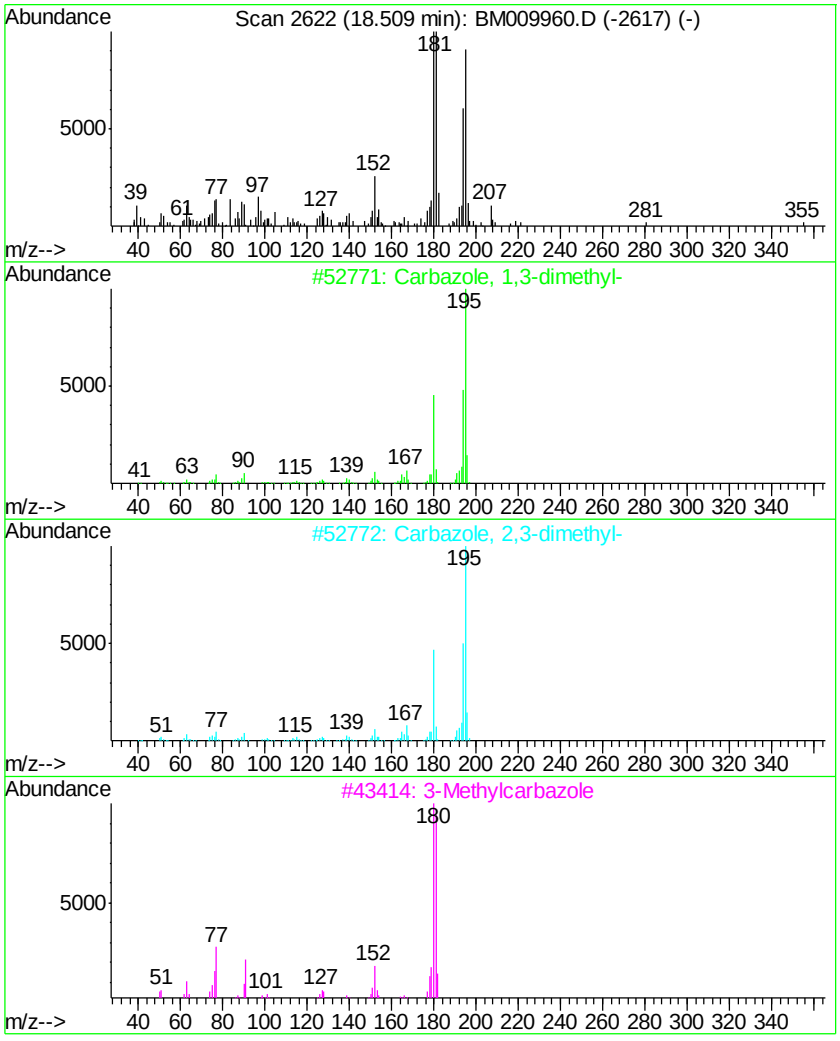
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

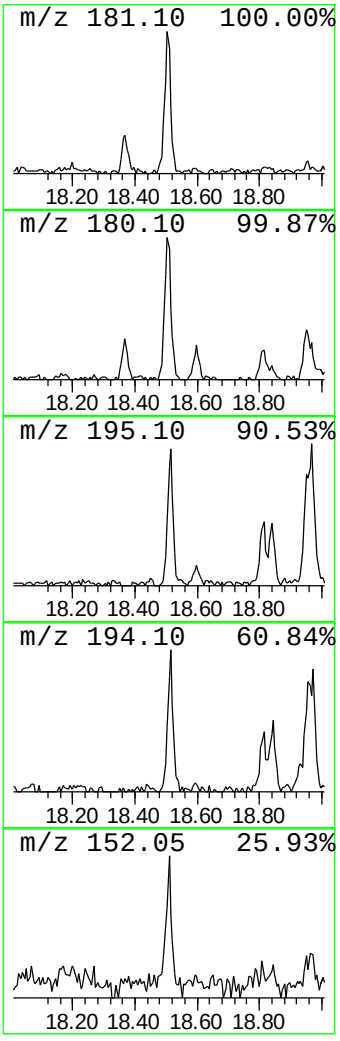
**********

Peak Number 20 Carbazole, 1,3-dimethyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.51 | 3.39 ng | 238036 | Phenanthrene-d10 | 17.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Carbazole, 1,3-dimethyl- | 195 | C14H13N | 018992-68-2 | 93 |
| 2 | Carbazole, 2,3-dimethyl- | 195 | C14H13N | 018992-70-6 | 89 |
| 3 | 3-Methylcarbazole | 181 | C13H11N | 004630-20-0 | 87 |
| 4 | 1-Methylcarbazole | 181 | C13H11N | 006510-65-2 | 86 |
| 5 | 9H-Carbazole, 2-methyl- | 181 | C13H11N | 003652-91-3 | 70 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM050617\
Data File : BM009960.D
Acq On : 07 May 2017 02:51
Operator : SJ/MA
Sample : I2997-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** OWL-C2-GW

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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 |
| 2-Pentanone, 4-hy... | 4.90 | 5.8 | ng | 187286 | 1 | 7.77 | 647092 | 20.0 |
| unknown7.30 | 7.30 | 105.0 | ng | 3396680 | 1 | 7.77 | 647092 | 20.0 |
| Benzene, 1,3-diet... | 8.25 | 4.3 | ng | 140075 | 1 | 7.77 | 647092 | 20.0 |
| Benzene, 1-methyl... | 8.86 | 9.0 | ng | 291302 | 1 | 7.77 | 647092 | 20.0 |
| Benzene, 1-buteny... | 9.95 | 8.7 | ng | 590682 | 2 | 10.56 | 1356320 | 20.0 |
| Benzene, 1-methyl... | 10.66 | 3.9 | ng | 261303 | 2 | 10.56 | 1356320 | 20.0 |
| Benzene, (2-methy... | 11.13 | 6.0 | ng | 406029 | 2 | 10.56 | 1356320 | 20.0 |
| 1H-Indene, 2,3-di... | 11.47 | 3.7 | ng | 251341 | 2 | 10.56 | 1356320 | 20.0 |
| 1H-Indene, 2,3-di... | 11.66 | 3.8 | ng | 258513 | 2 | 10.56 | 1356320 | 20.0 |
| 1H-Inden-1-one, 2... | 11.97 | 4.1 | ng | 276041 | 2 | 10.56 | 1356320 | 20.0 |
| Naphthalene, 1,2,... | 12.11 | 6.0 | ng | 406493 | 2 | 10.56 | 1356320 | 20.0 |
| Bicyclo[4.2.0]oct... | 12.48 | 4.7 | ng | 319167 | 2 | 10.56 | 1356320 | 20.0 |
| Benzene, 1-(1-met... | 12.89 | 3.7 | ng | 221574 | 3 | 14.42 | 1207170 | 20.0 |
| Naphthalene, 1,2,... | 13.35 | 5.3 | ng | 317177 | 3 | 14.42 | 1207170 | 20.0 |
| Benzene, 1-etheny... | 13.40 | 4.5 | ng | 269053 | 3 | 14.42 | 1207170 | 20.0 |
| Naphthalene, 1,6,... | 15.04 | 4.0 | ng | 242176 | 3 | 14.42 | 1207170 | 20.0 |
| Naphthalene, 1-(2... | 15.60 | 6.6 | ng | 398926 | 3 | 14.42 | 1207170 | 20.0 |
| Carbazole, 1,3-di... | 18.51 | 3.4 | ng | 238036 | 4 | 17.18 | 1406080 | 20.0 |