LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

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\SOM-EPA-BM011018.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 | 6.769 | 633 | 643 | 648 | rBV | 280378 | 540205 | 1.24% | 0.200% |
| 2 | 7.116 | 695 | 702 | 710 | rBV | 344192 | 556237 | 1.28% | 0.206% |
| 3 | 7.581 | 771 | 781 | 791 | rBV | 603341 | 998141 | 2.30% | 0.370% |
| 4 | 8.298 | 897 | 903 | 911 | rBV2 | 271698 | 479503 | 1.10% | 0.178% |
| 5 | 8.734 | 971 | 977 | 983 | rBV2 | 351632 | 632914 | 1.46% | 0.235% |
| 6 | 9.451 | 1088 | 1099 | 1109 | rBV2 | 291440 | 575962 | 1.33% | 0.214% |
| 7 | 9.992 | 1184 | 1191 | 1197 | rBV2 | 593287 | 1036024 | 2.39% | 0.384% |
| 8 | 10.351 | 1238 | 1252 | 1256 | rBV2 | 740434 | 1911662 | 4.40% | 0.709% |
| 9 | 10.410 | 1256 | 1262 | 1269 | rVV | 11329212 | 17998160 | 41.45% | 6.676% |
| 10 | 10.516 | 1273 | 1280 | 1288 | rVB2 | 525801 | 1117504 | 2.57% | 0.415% |
| 11 | 11.186 | 1387 | 1394 | 1403 | rBV | 1391050 | 2422861 | 5.58% | 0.899% |
| 12 | 11.780 | 1485 | 1495 | 1500 | rBV | 578232 | 891744 | 2.05% | 0.331% |
| 13 | 12.028 | 1527 | 1537 | 1544 | rBV | 8873587 | 13838494 | 31.87% | 5.133% |
| 14 | 12.251 | 1564 | 1575 | 1584 | rBV | 4420196 | 7072186 | 16.29% | 2.623% |
| 15 | 12.757 | 1656 | 1661 | 1673 | rBV3 | 305984 | 643123 | 1.48% | 0.239% |
| 16 | 13.051 | 1705 | 1711 | 1719 | rBV2 | 2650726 | 4009746 | 9.23% | 1.487% |
| 17 | 13.251 | 1740 | 1745 | 1757 | rVB | 852110 | 1530072 | 3.52% | 0.568% |
| 18 | 13.386 | 1761 | 1768 | 1781 | rBV | 1054178 | 2791812 | 6.43% | 1.036% |
| 19 | 13.545 | 1789 | 1795 | 1800 | rBV | 1472183 | 2635455 | 6.07% | 0.978% |
| 20 | 13.604 | 1800 | 1805 | 1808 | rVV | 1074943 | 1688391 | 3.89% | 0.626% |
| 21 | 13.651 | 1808 | 1813 | 1817 | rVV | 778424 | 1302355 | 3.00% | 0.483% |
| 22 | 13.716 | 1817 | 1824 | 1828 | rVV3 | 464957 | 843376 | 1.94% | 0.313% |
| 23 | 13.786 | 1828 | 1836 | 1839 | rVV | 614546 | 988415 | 2.28% | 0.367% |
| 24 | 13.922 | 1853 | 1859 | 1862 | rBV | 891035 | 1393106 | 3.21% | 0.517% |
| 25 | 13.951 | 1862 | 1864 | 1870 | rVB | 459007 | 579309 | 1.33% | 0.215% |
| 26 | 14.139 | 1890 | 1896 | 1900 | rBV | 1376242 | 1765282 | 4.06% | 0.655% |
| 27 | 14.216 | 1900 | 1909 | 1917 | rVV2 | 4244847 | 7260988 | 16.72% | 2.693% |
| 28 | 14.298 | 1917 | 1923 | 1932 | rVV | 6069703 | 9227332 | 21.25% | 3.423% |
| 29 | 14.374 | 1932 | 1936 | 1942 | rVV2 | 532468 | 803400 | 1.85% | 0.298% |
| 30 | 14.592 | 1968 | 1973 | 1975 | rVV2 | 272020 | 518097 | 1.19% | 0.192% |
| 31 | 14.639 | 1975 | 1981 | 1989 | rVV | 8360314 | 11760057 | 27.08% | 4.362% |
| 32 | 14.710 | 1989 | 1993 | 1998 | rVV | 303019 | 476100 | 1.10% | 0.177% |
| 33 | 14.769 | 1998 | 2003 | 2009 | rVB5 | 258872 | 485926 | 1.12% | 0.180% |
| 34 | 14.857 | 2010 | 2018 | 2023 | rBV5 | 359051 | 753314 | 1.73% | 0.279% |

LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

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\SOM-EPA-BM011018.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 15.027 | 2039 | 2047 | 2050 | rBV5 | 236412 | 547754 | 1.26% | 0.203% |
| 36 | 15.098 | 2054 | 2059 | 2064 | rVB | 1575717 | 2035151 | 4.69% | 0.755% |
| 37 | 15.227 | 2076 | 2081 | 2086 | rVB2 | 1023950 | 1585149 | 3.65% | 0.588% |
| 38 | 15.286 | 2086 | 2091 | 2096 | rBV | 4287047 | 6026967 | 13.88% | 2.236% |
| 39 | 15.386 | 2104 | 2108 | 2110 | rBV2 | 371992 | 544494 | 1.25% | 0.202% |
| 40 | 15.451 | 2115 | 2119 | 2123 | rVV2 | 655154 | 974456 | 2.24% | 0.361% |
| 41 | 15.498 | 2123 | 2127 | 2131 | rVV | 519043 | 860867 | 1.98% | 0.319% |
| 42 | 15.539 | 2131 | 2134 | 2137 | rVV | 486171 | 633133 | 1.46% | 0.235% |
| 43 | 15.580 | 2137 | 2141 | 2150 | rVB2 | 1415737 | 2478107 | 5.71% | 0.919% |
| 44 | 15.704 | 2156 | 2162 | 2165 | rBV | 3615729 | 5045343 | 11.62% | 1.872% |
| 45 | 15.963 | 2201 | 2206 | 2213 | rBV | 1675844 | 3435035 | 7.91% | 1.274% |
| 46 | 16.027 | 2213 | 2217 | 2222 | rVB | 1909737 | 2456511 | 5.66% | 0.911% |
| 47 | 16.298 | 2251 | 2263 | 2267 | rBV3 | 544476 | 1282874 | 2.95% | 0.476% |
| 48 | 16.645 | 2318 | 2322 | 2329 | rVB3 | 1271406 | 1957581 | 4.51% | 0.726% |
| 49 | 16.751 | 2330 | 2340 | 2345 | rBV4 | 1597804 | 3357901 | 7.73% | 1.246% |
| 50 | 16.804 | 2345 | 2349 | 2359 | rVB | 2071993 | 3046390 | 7.02% | 1.130% |
| 51 | 16.898 | 2359 | 2365 | 2368 | rBV | 589229 | 842525 | 1.94% | 0.313% |
| 52 | 16.992 | 2375 | 2381 | 2383 | rBV | 1302810 | 1982891 | 4.57% | 0.736% |
| 53 | 17.045 | 2383 | 2390 | 2394 | rVV | 29784673 | 43426490 | 100.00% | 16.109% |
| 54 | 17.092 | 2394 | 2398 | 2400 | rVV2 | 1610216 | 2234510 | 5.15% | 0.829% |
| 55 | 17.121 | 2400 | 2403 | 2408 | rVB | 2908646 | 3809359 | 8.77% | 1.413% |
| 56 | 17.210 | 2414 | 2418 | 2424 | rVB | 792262 | 1155096 | 2.66% | 0.428% |
| 57 | 17.398 | 2444 | 2450 | 2454 | rBV | 1415038 | 2166586 | 4.99% | 0.804% |
| 58 | 17.492 | 2461 | 2466 | 2472 | rBV2 | 1213327 | 1987692 | 4.58% | 0.737% |
| 59 | 17.580 | 2477 | 2481 | 2487 | rVB5 | 253314 | 517302 | 1.19% | 0.192% |
| 60 | 17.862 | 2524 | 2529 | 2533 | rVV | 1659919 | 2267418 | 5.22% | 0.841% |
| 61 | 17.910 | 2533 | 2537 | 2543 | rVB | 2329565 | 3283265 | 7.56% | 1.218% |
| 62 | 17.992 | 2544 | 2551 | 2556 | rBV | 607218 | 1020936 | 2.35% | 0.379% |
| 63 | 18.057 | 2556 | 2562 | 2566 | rVV2 | 2085702 | 3602030 | 8.29% | 1.336% |
| 64 | 18.092 | 2566 | 2568 | 2575 | rVB | 809365 | 960039 | 2.21% | 0.356% |
| 65 | 18.186 | 2579 | 2584 | 2588 | rBV | 925808 | 1160982 | 2.67% | 0.431% |
| 66 | 18.368 | 2610 | 2615 | 2620 | rBV | 1412539 | 1740216 | 4.01% | 0.646% |
| 67 | 18.792 | 2681 | 2687 | 2689 | rBV | 360231 | 599270 | 1.38% | 0.222% |
| 68 | 18.827 | 2689 | 2693 | 2696 | rVV | 697439 | 800185 | 1.84% | 0.297% |
| 69 | 19.062 | 2725 | 2733 | 2738 | rBV | 15430278 | 20705010 | 47.68% | 7.680% |
| 70 | 19.392 | 2783 | 2789 | 2791 | rBV2 | 3632695 | 5530487 | 12.74% | 2.051% |
| 71 | 19.421 | 2791 | 2794 | 2802 | rVV | 9138691 | 12465990 | 28.71% | 4.624% |

LSC Area Percent Report

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Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

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\SOM-EPA-BM011018.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 19.492 | 2802 | 2806 | 2814 | rVB2 | 396132 | 593565 | 1.37% | 0.220% |
| 73 | 19.604 | 2820 | 2825 | 2831 | rVB | 532610 | 739179 | 1.70% | 0.274% |
| 74 | 19.745 | 2844 | 2849 | 2850 | rBV2 | 327779 | 504890 | 1.16% | 0.187% |
| 75 | 19.921 | 2874 | 2879 | 2881 | rVV | 956929 | 1376868 | 3.17% | 0.511% |
| 76 | 19.945 | 2881 | 2883 | 2888 | rVB | 484202 | 484921 | 1.12% | 0.180% |
| 77 | 20.021 | 2891 | 2896 | 2900 | rBV | 883974 | 1189252 | 2.74% | 0.441% |
| 78 | 20.074 | 2900 | 2905 | 2909 | rBV2 | 417382 | 682560 | 1.57% | 0.253% |
| 79 | 20.445 | 2964 | 2968 | 2972 | rBV2 | 376260 | 439910 | 1.01% | 0.163% |
| 80 | 20.868 | 3037 | 3040 | 3044 | rVV | 372642 | 460675 | 1.06% | 0.171% |
| 81 | 20.909 | 3044 | 3047 | 3055 | rVB3 | 636595 | 939834 | 2.16% | 0.349% |
| 82 | 21.174 | 3087 | 3092 | 3098 | rBV2 | 2467571 | 5140143 | 11.84% | 1.907% |
| 83 | 21.221 | 3098 | 3100 | 3108 | rVB | 1306381 | 1592476 | 3.67% | 0.591% |
| 84 | 21.339 | 3116 | 3120 | 3127 | rBV | 497320 | 657291 | 1.51% | 0.244% |
| 85 | 22.721 | 3350 | 3355 | 3360 | rBV | 483631 | 1068822 | 2.46% | 0.396% |
| 86 | 23.233 | 3437 | 3442 | 3447 | rBV2 | 927603 | 1733766 | 3.99% | 0.643% |
| 87 | 23.374 | 3460 | 3466 | 3472 | rVB | 1098134 | 1925725 | 4.43% | 0.714% |

Sum of corrected areas: 269583122

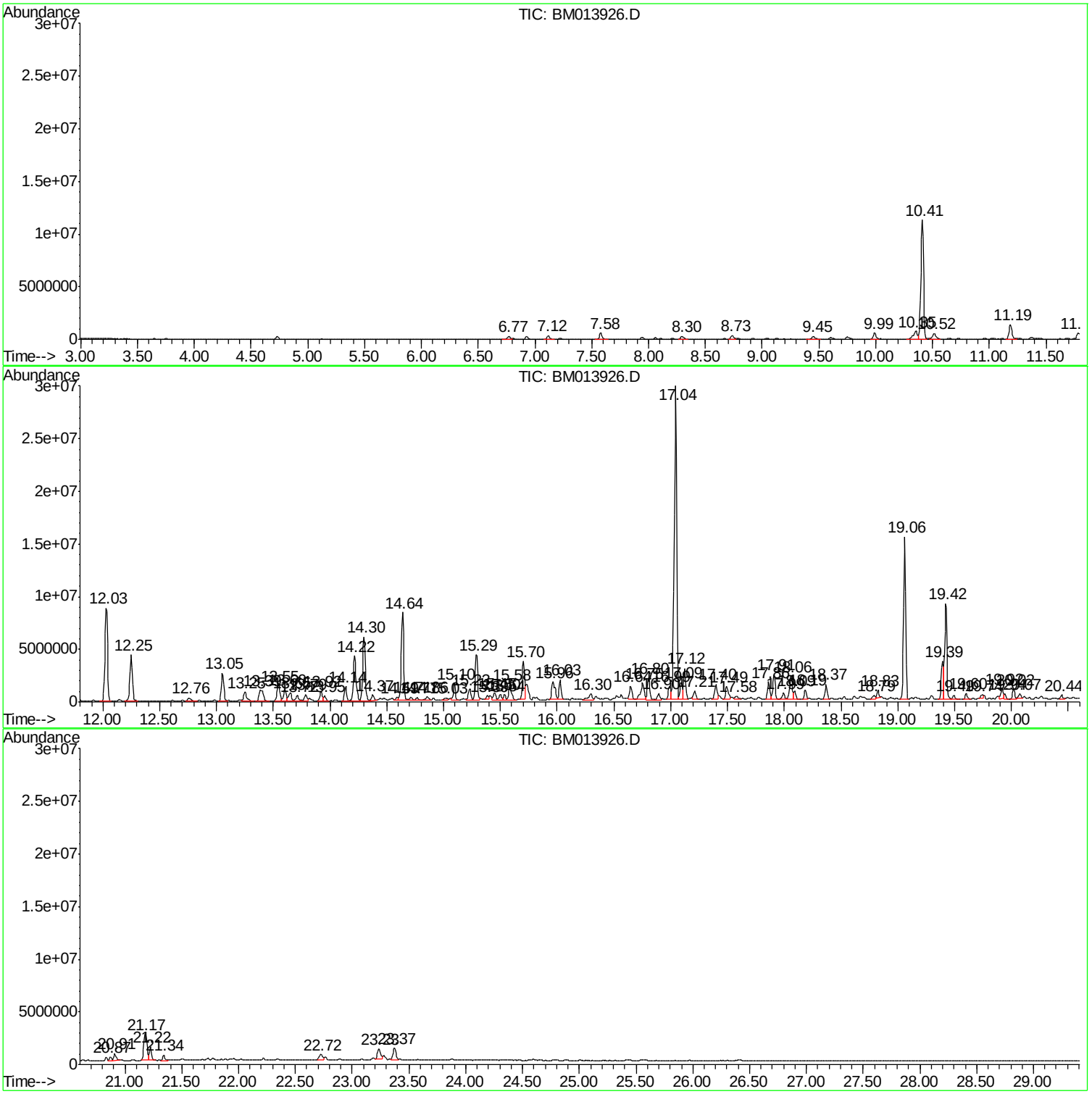
LSC Report - Integrated Chromatogram

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

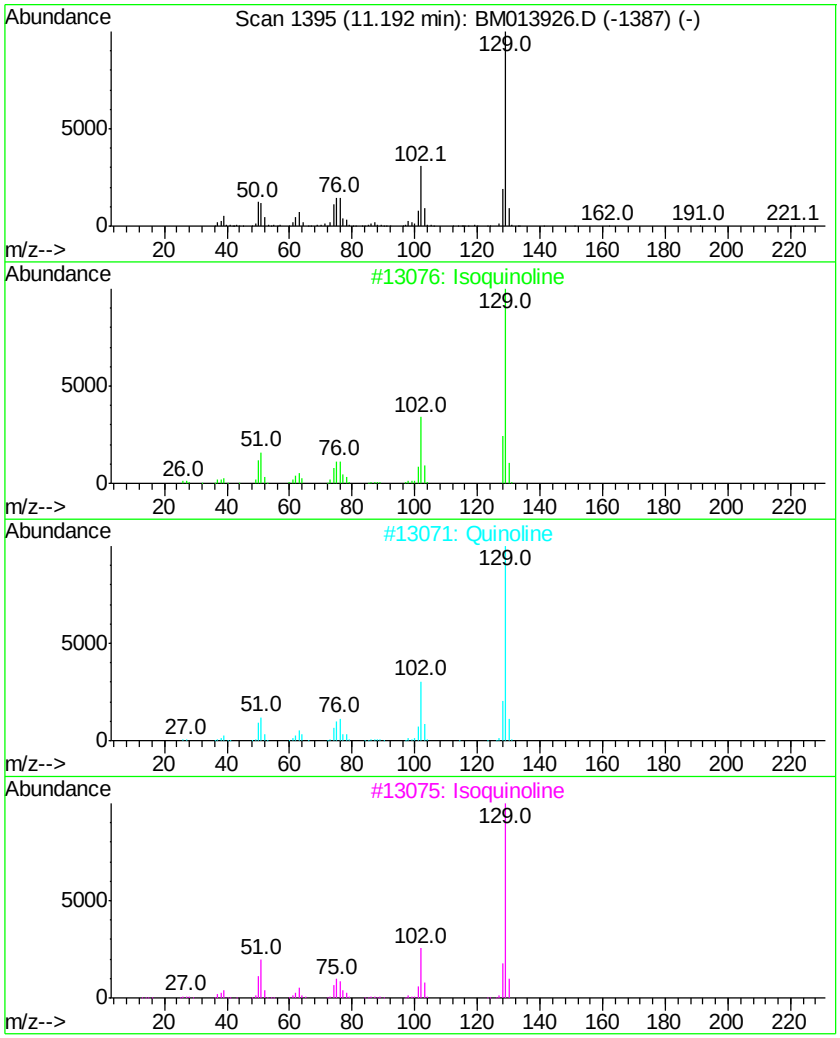
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

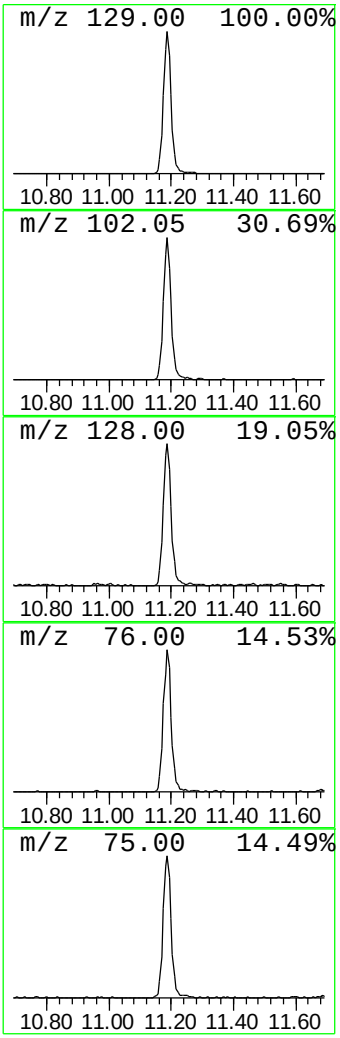
**********

Peak Number 1 Isoquinoline Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.19 | 25.35 ng/ul | 2422860 | Naphthalene-d8 | 10.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Isoquinoline | 129 | C9H7N | 000119-65-3 | 96 |
| 2 | Quinoline | 129 | C9H7N | 000091-22-5 | 96 |
| 3 | Isoquinoline | 129 | C9H7N | 000119-65-3 | 94 |
| 4 | Quinoline | 129 | C9H7N | 000091-22-5 | 94 |
| 5 | Isoquinoline | 129 | C9H7N | 000119-65-3 | 91 |



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

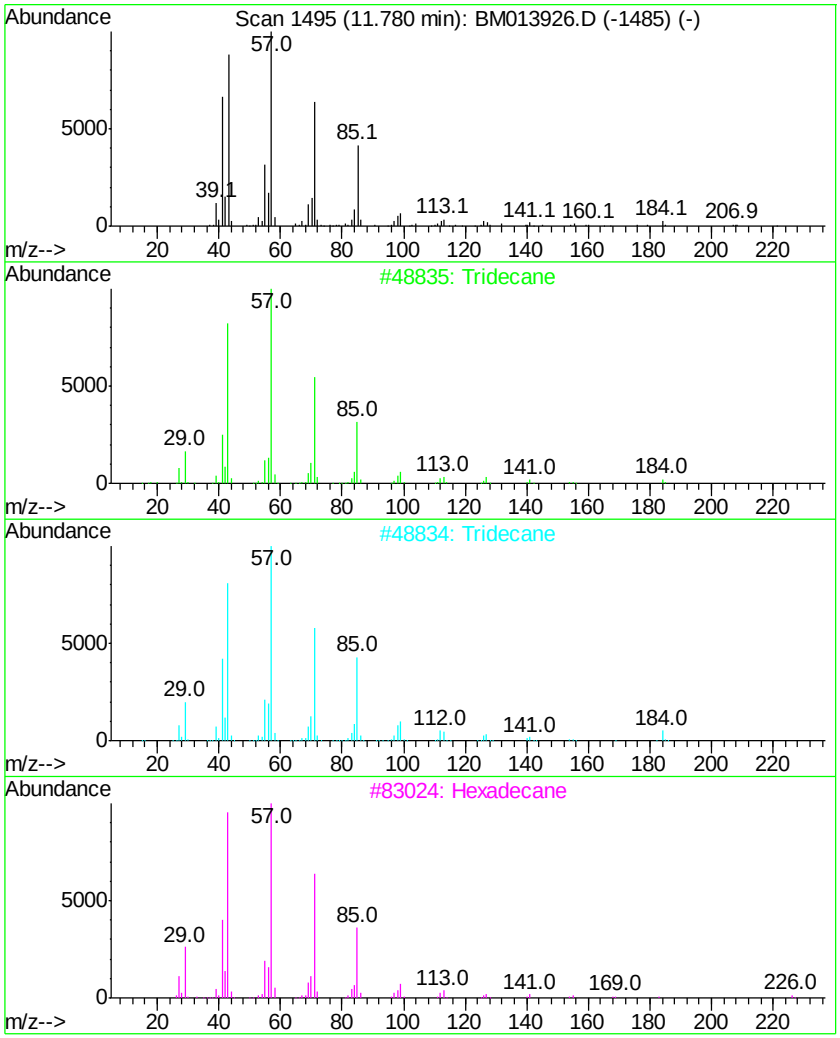
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

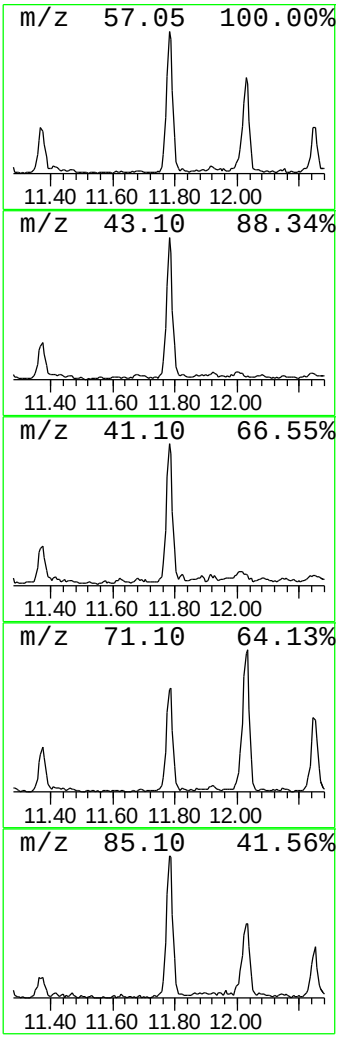
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.78 | 9.33 ng/ul | 891744 | Naphthalene-d8 | 10.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 94 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 93 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 4 | Decane, 2,3,6-trimethyl- | 184 | C13H28 | 062238-12-4 | 90 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

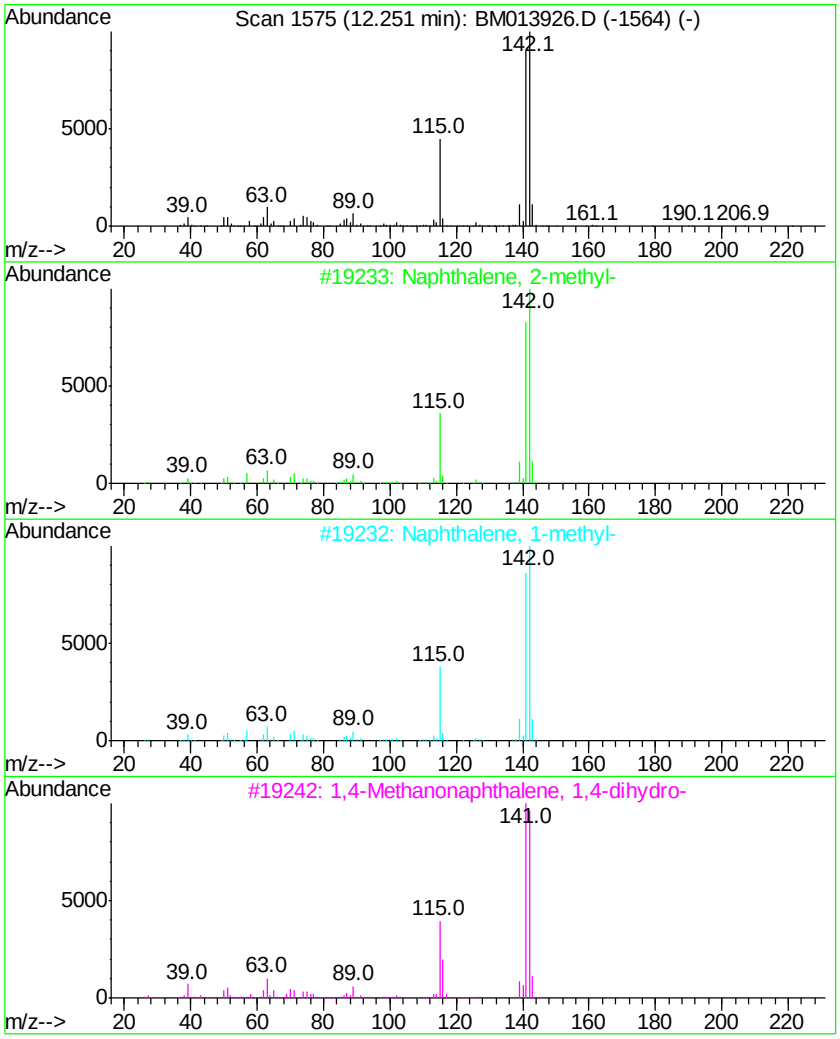
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

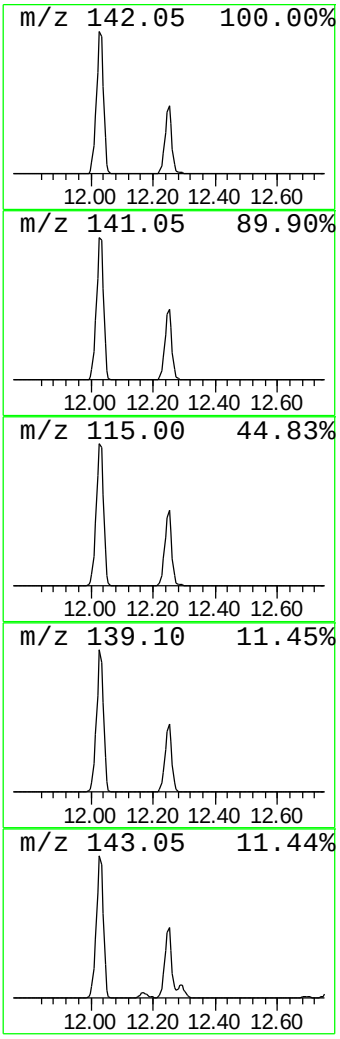
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.25 | 73.99 ng/ul | 7072190 | Naphthalene-d8 | 10.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 3 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 94 |
| 4 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 91 |
| 5 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 91 |



# Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

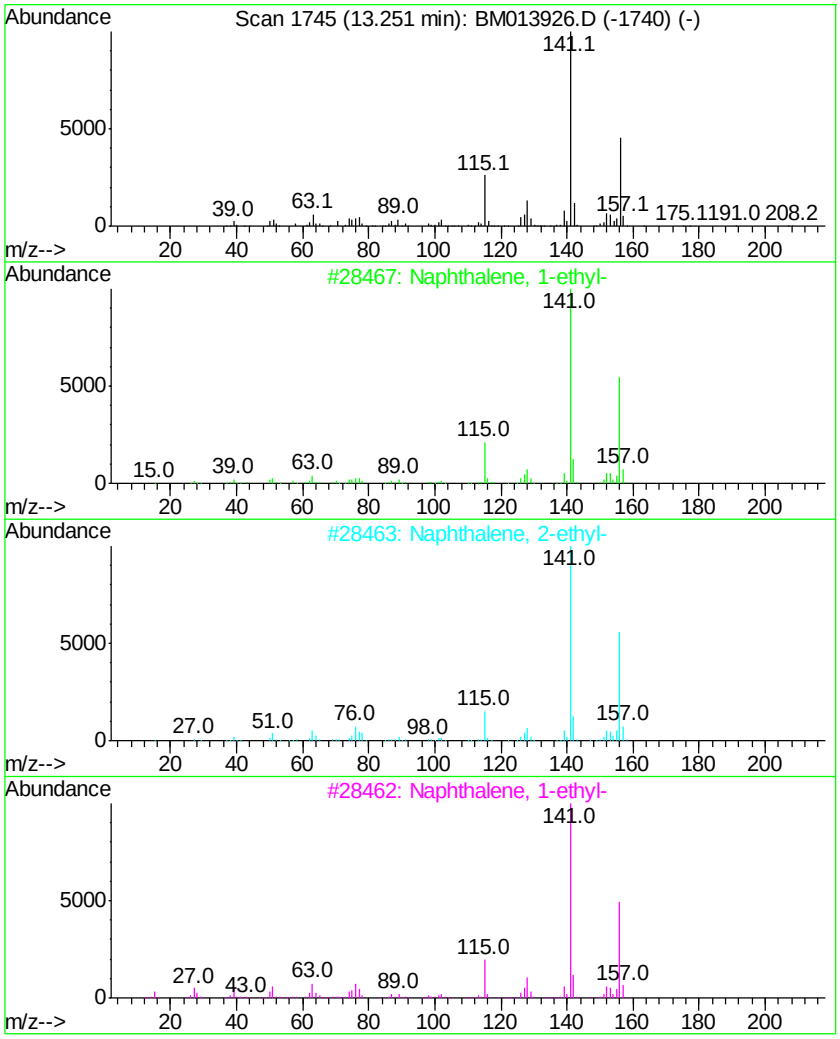
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

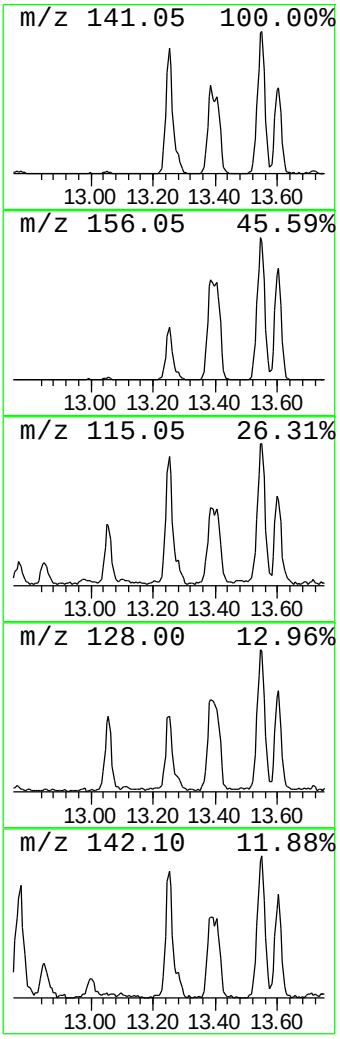
**********

Peak Number 4 Naphthalene, 1-ethyl- Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.25 | 4.21 ng/ul | 1530070 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 96 |
| 2 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 94 |
| 3 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 94 |
| 4 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 93 |
| 5 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 91 |



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

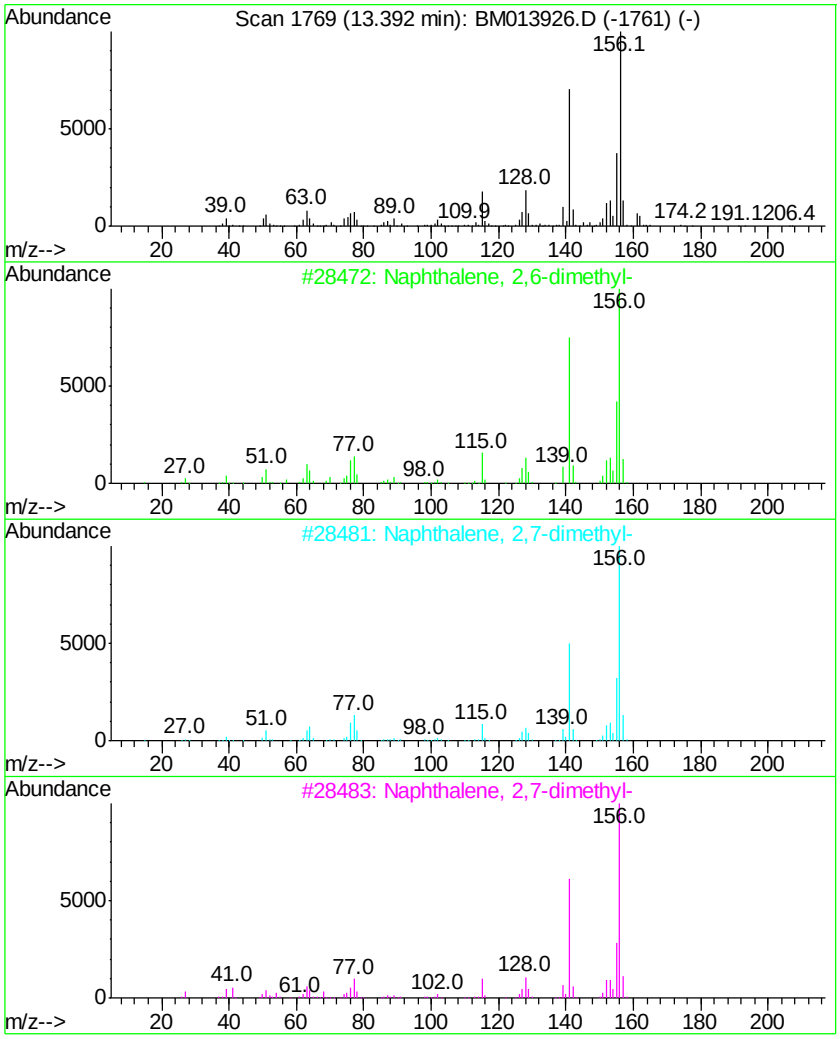
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

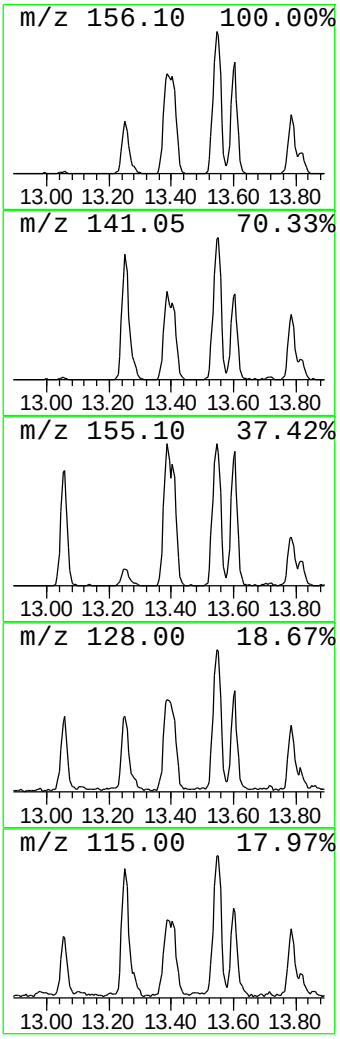
**********

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.39 | 7.69 ng/ul | 2791810 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 97 |
| 2 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |
| 3 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |
| 4 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 96 |
| 5 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 96 |



# Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

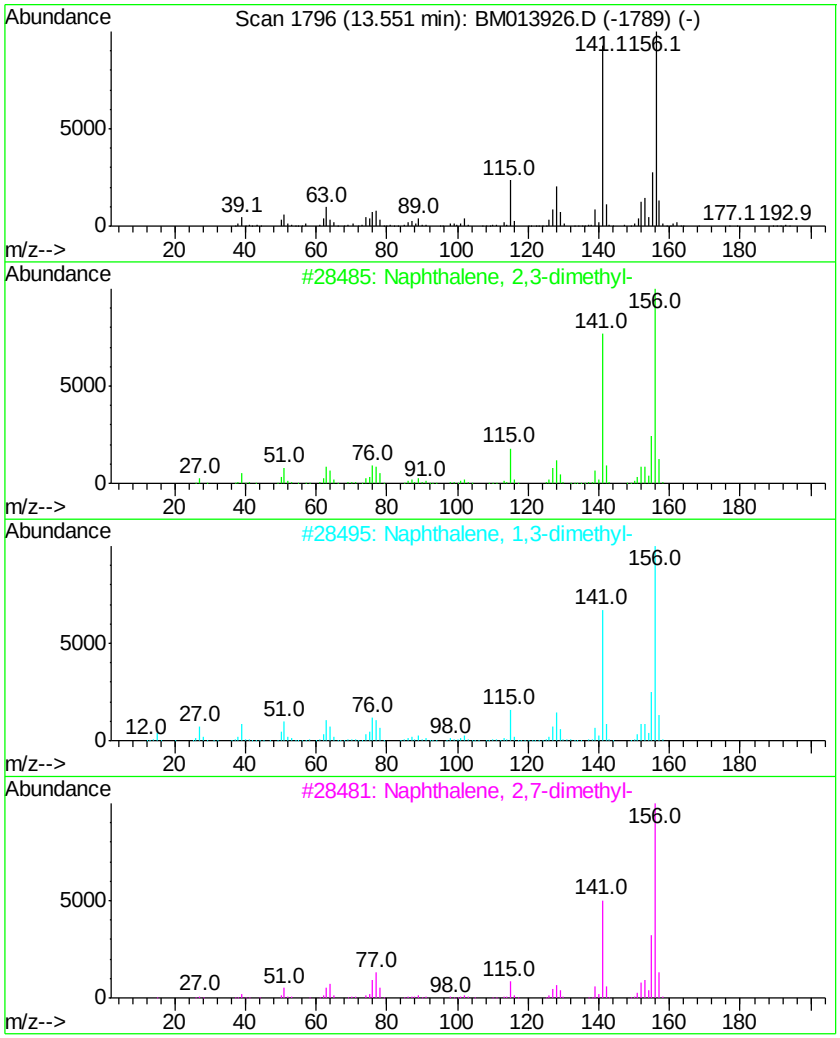
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

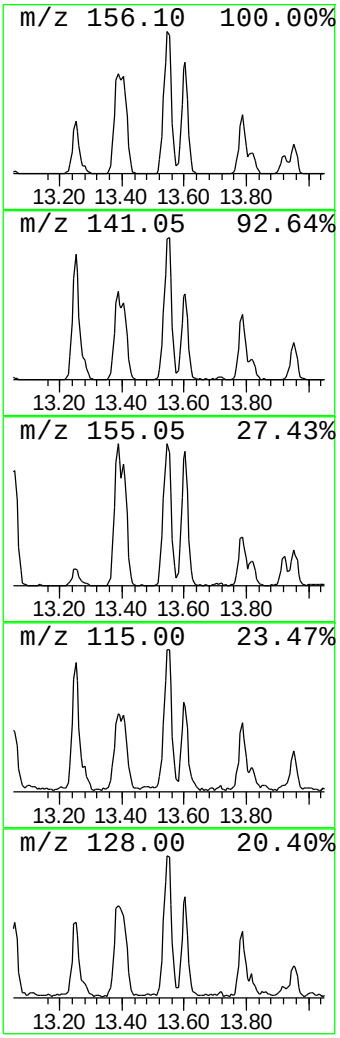
**********

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.55 | 7.26 ng/ul | 2635460 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 2 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 96 |
| 3 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 95 |
| 4 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 95 |
| 5 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 95 |



# Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

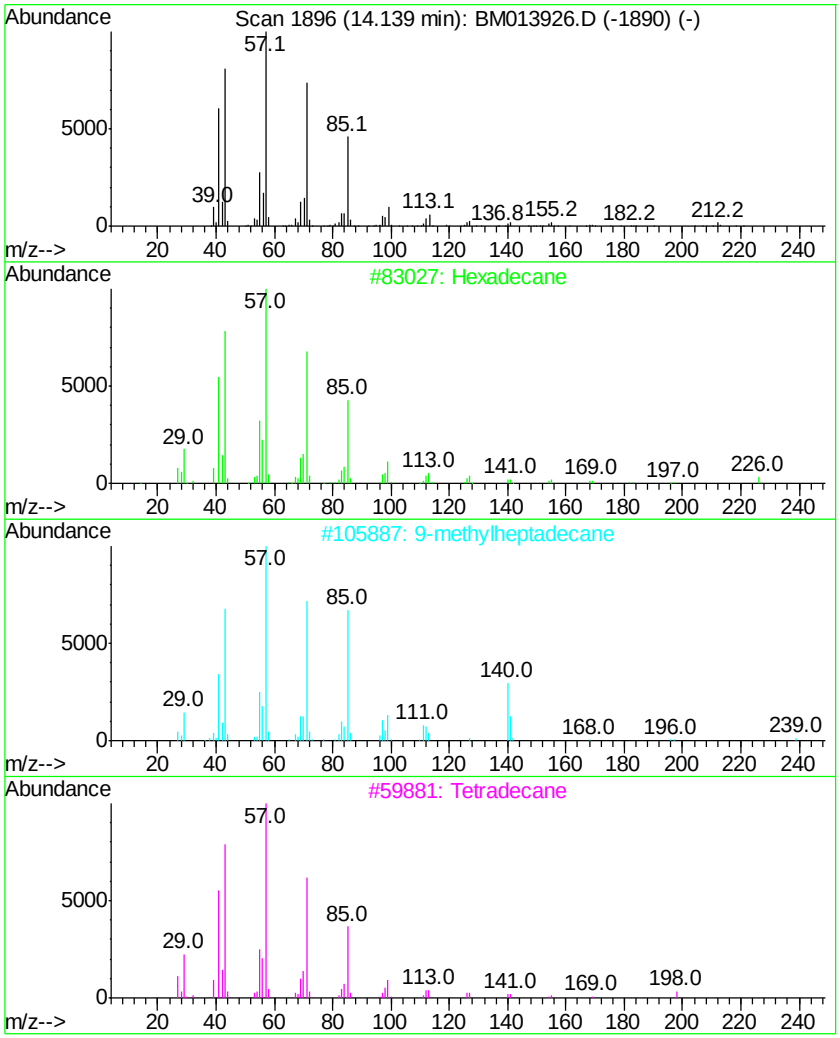
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

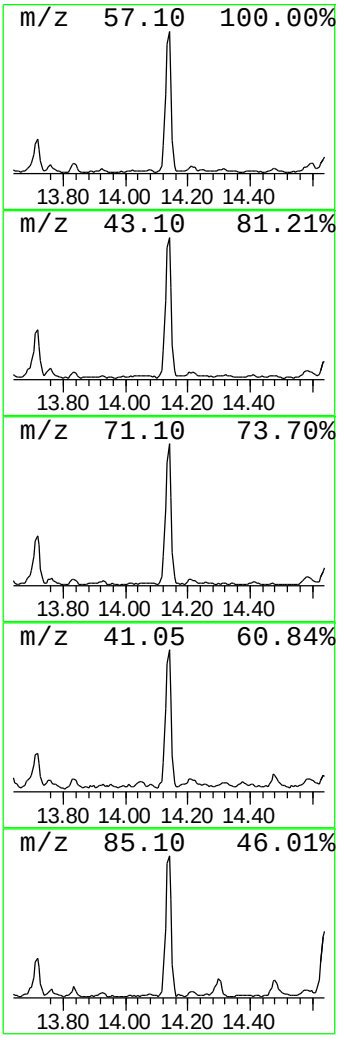
**********

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.14 | 4.86 ng/ul | 1765280 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 2 | 9-methylheptadecane | 254 | C18H38 | 026741-18-4 | 90 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 87 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 86 |
| 5 | Undecane, 2,3-dimethyl- | 184 | C13H28 | 017312-77-5 | 86 |



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

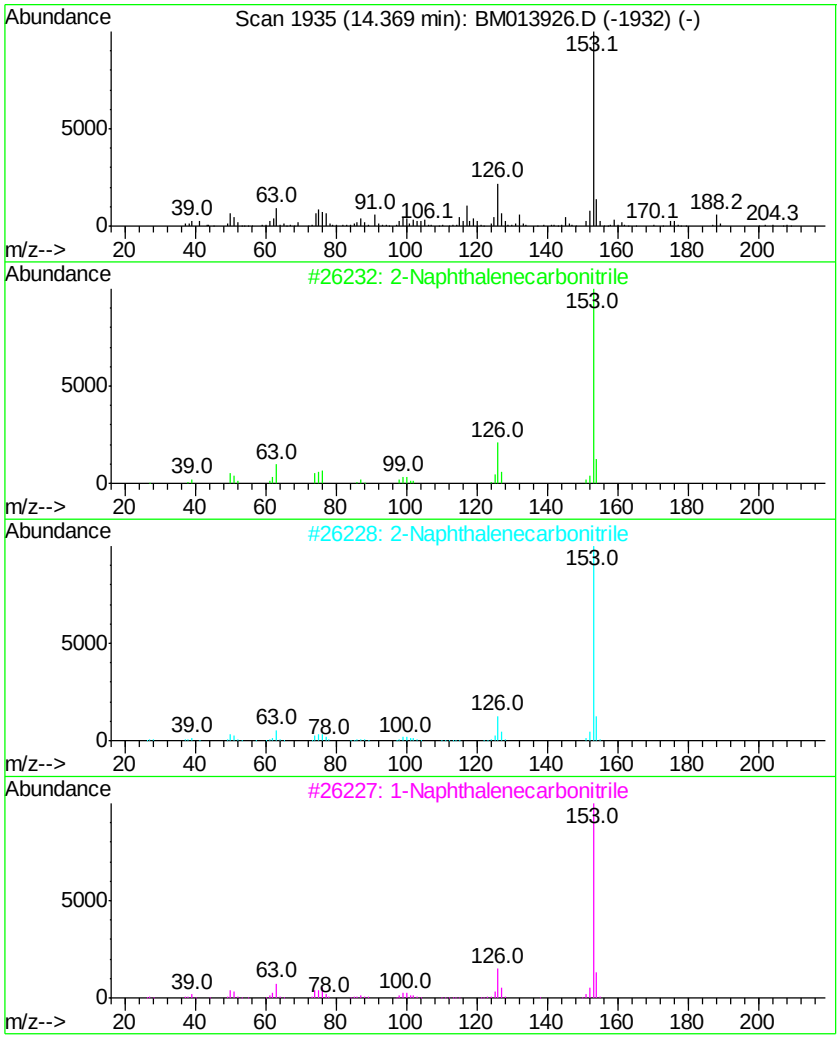
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

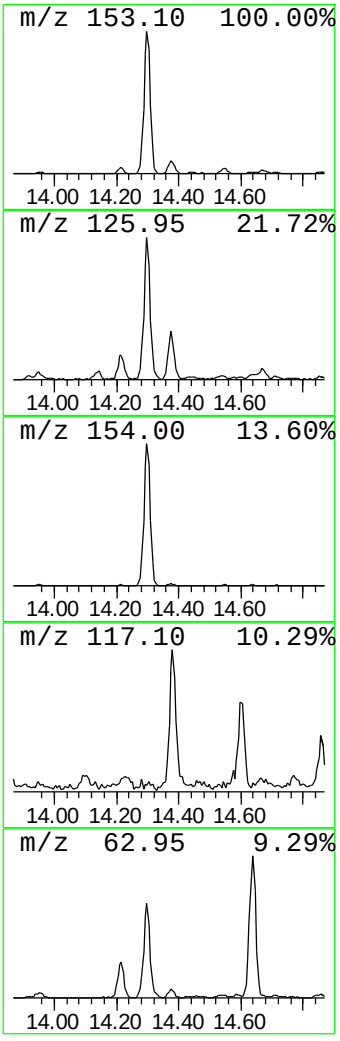
**********

Peak Number 9 2-Naphthalenecarbonitrile Concentration Rank 39

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.37 | 2.21 ng/ul | 803400 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Naphthalenecarbonitrile | 153 | C11H7N | 000613-46-7 | 94 |
| 2 | 2-Naphthalenecarbonitrile | 153 | C11H7N | 000613-46-7 | 90 |
| 3 | 1-Naphthalenecarbonitrile | 153 | C11H7N | 000086-53-3 | 81 |
| 4 | Naphthalene, 1-isocyano- | 153 | C11H7N | 001984-04-9 | 80 |
| 5 | 1-Naphthalenecarbonitrile | 153 | C11H7N | 000086-53-3 | 74 |



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

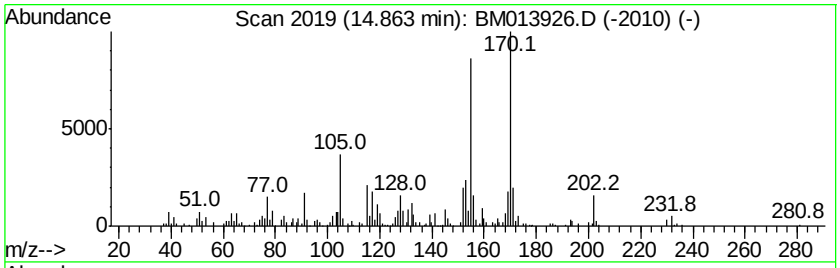
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

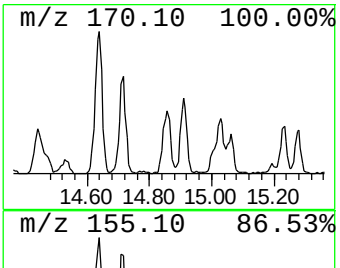
**********

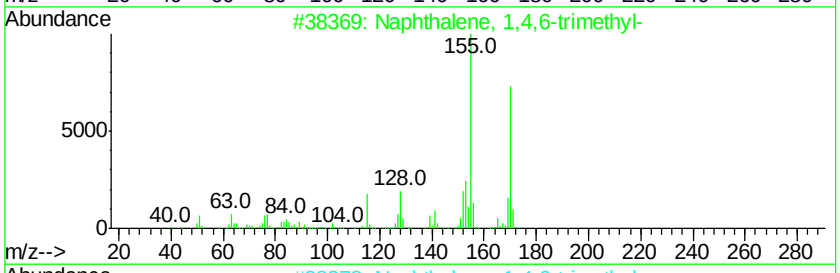
Peak Number 10 Naphthalene, 1,4,6-trimethyl- Concentration Rank 40

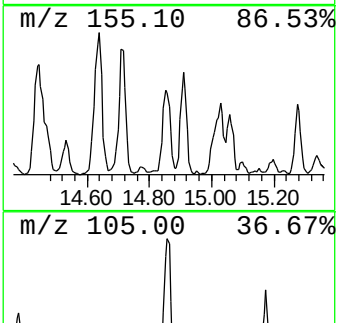
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.86 | 2.07 ng/ul | 753314 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 97 |
| 2 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 95 |
| 3 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 93 |
| 4 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 93 |
| 5 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 93 |



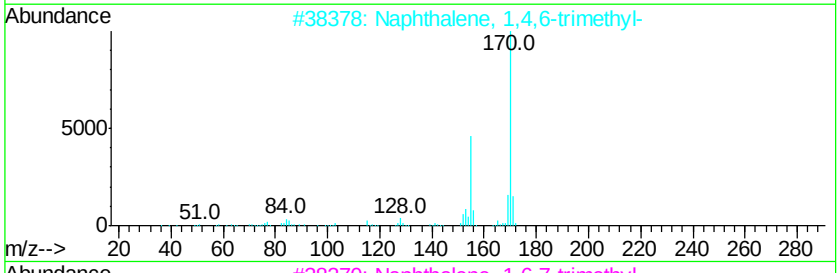



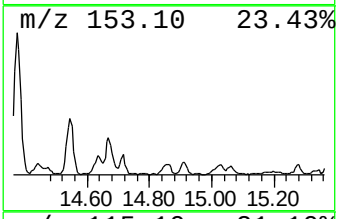



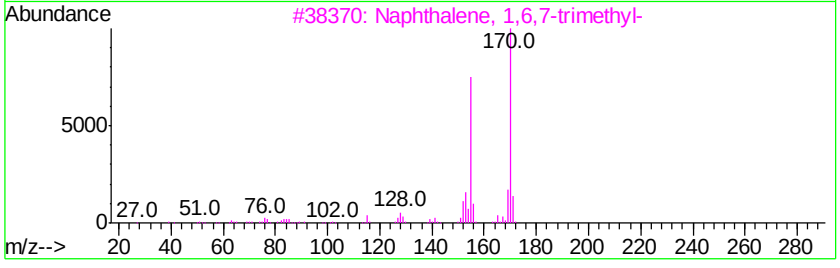



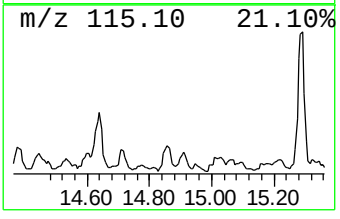






Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

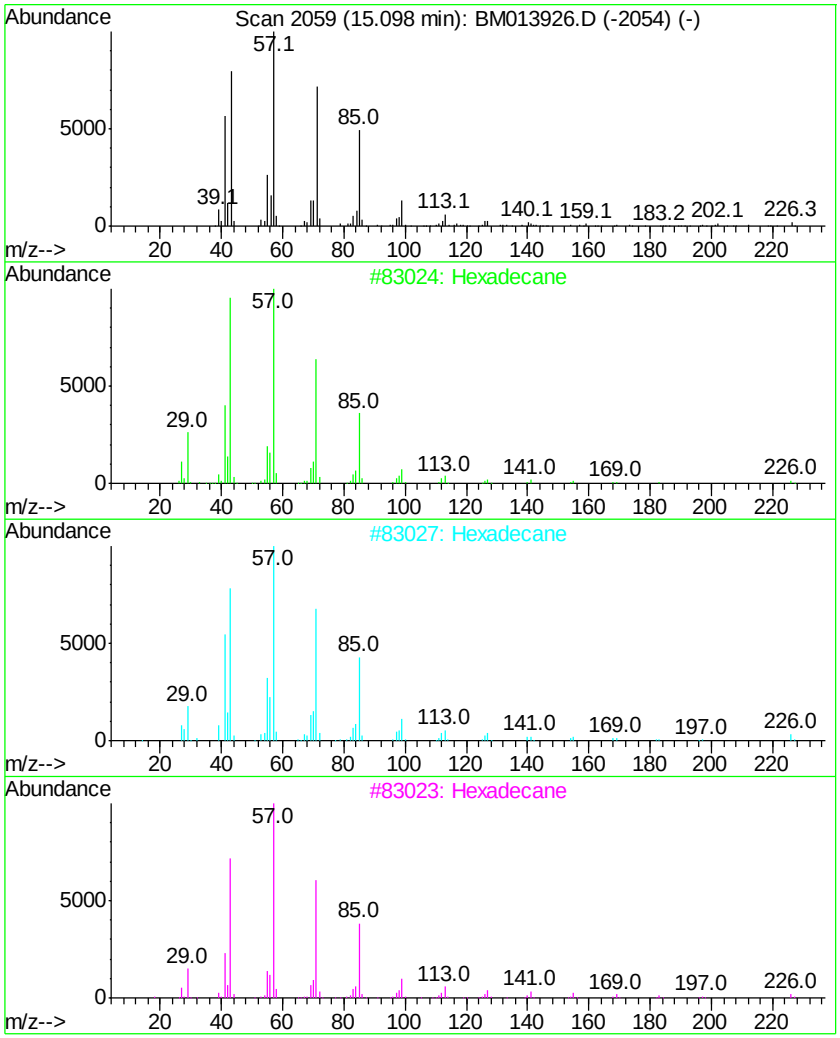
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

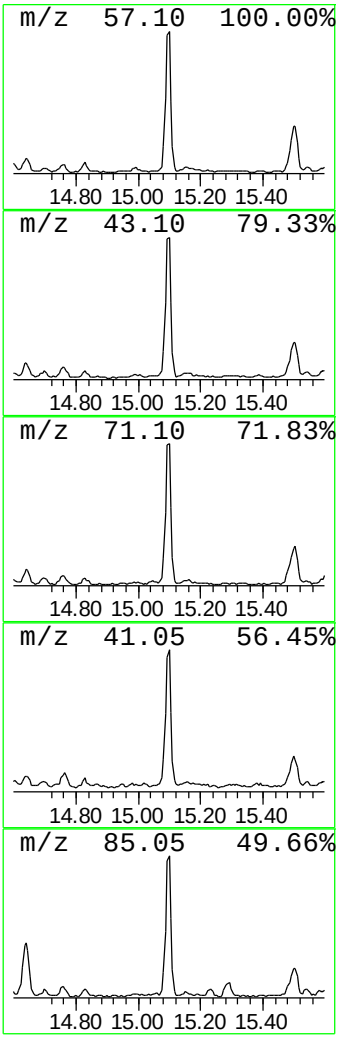
**********

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.10 | 5.61 ng/ul | 2035150 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 95 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 95 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 5 | Nonadecane, 9-methyl- | 282 | C20H42 | 013287-24-6 | 90 |



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

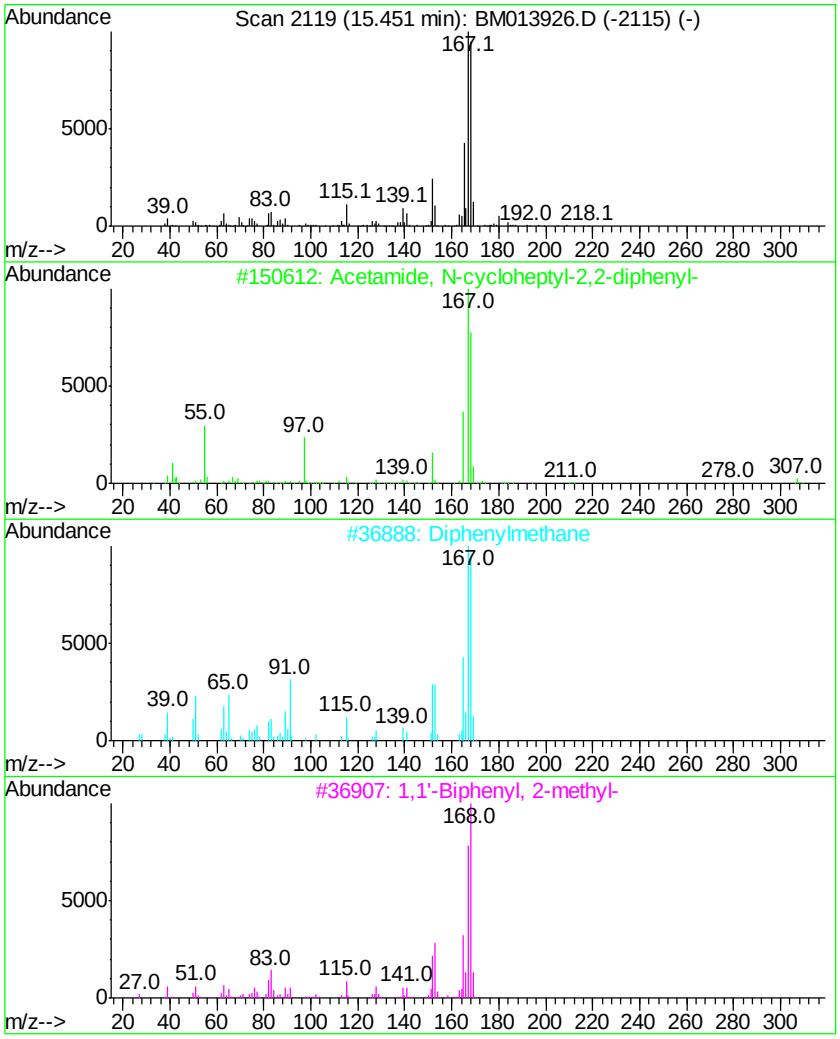
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

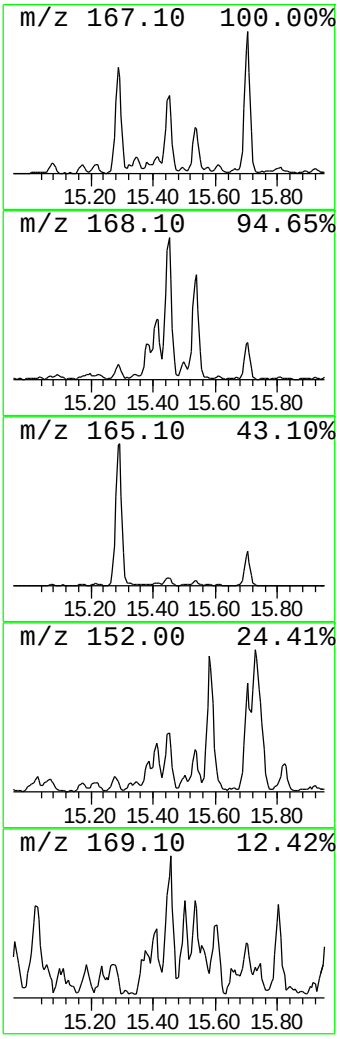
**********

Peak Number 12 Acetamide, N-cycloheptyl-2,... Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.45 | 2.68 ng/ul | 974456 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetamide, N-cycloheptyl-2,2-dip... | 307 | C21H25NO | 351062-01-6 | 72 |
| 2 | Diphenylmethane | 168 | C13H12 | 000101-81-5 | 64 |
| 3 | 1,1'-Biphenyl, 2-methyl- | 168 | C13H12 | 000643-58-3 | 64 |
| 4 | Diphenylmethane | 168 | C13H12 | 000101-81-5 | 59 |
| 5 | 1,1'-Biphenyl, 2-methyl- | 168 | C13H12 | 000643-58-3 | 59 |



# Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

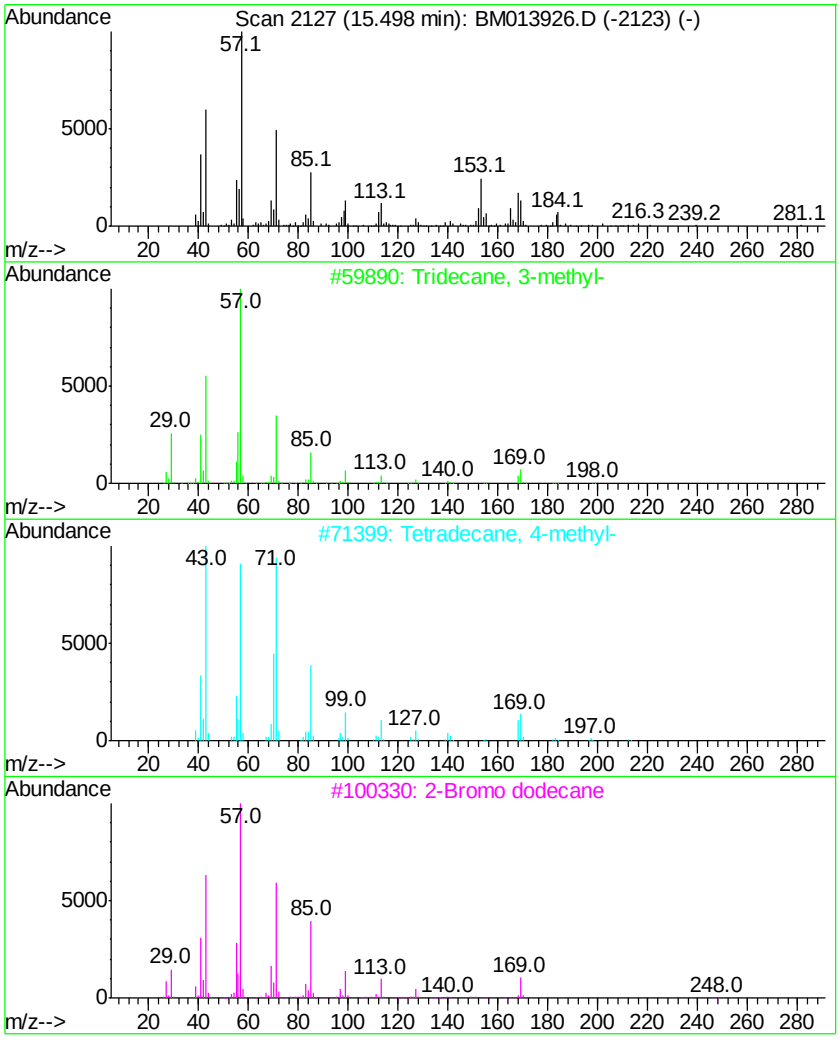
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

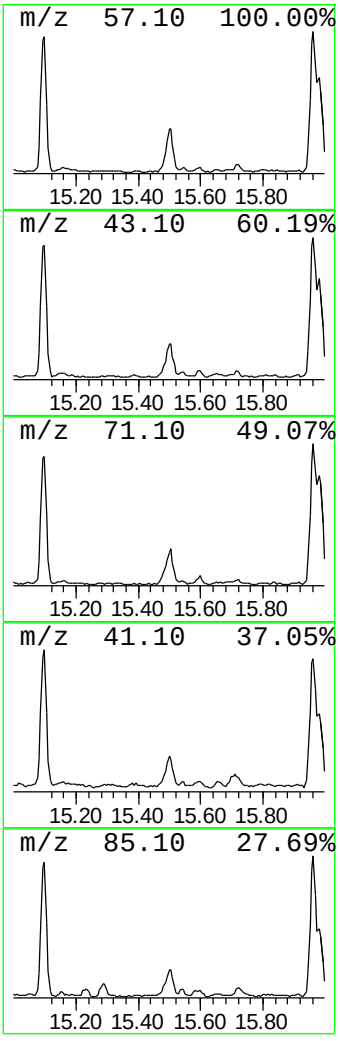
**********

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 37

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.50 | 2.37 ng/ul | 860867 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 3-methyl- | 198 | C14H30 | 006418-41-3 | 64 |
| 2 | Tetradecane, 4-methyl- | 212 | C15H32 | 025117-24-2 | 64 |
| 3 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 53 |
| 4 | Tridecane, 2-methyl- | 198 | C14H30 | 001560-96-9 | 50 |
| 5 | Tridecane, 3-methyl- | 198 | C14H30 | 006418-41-3 | 49 |



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

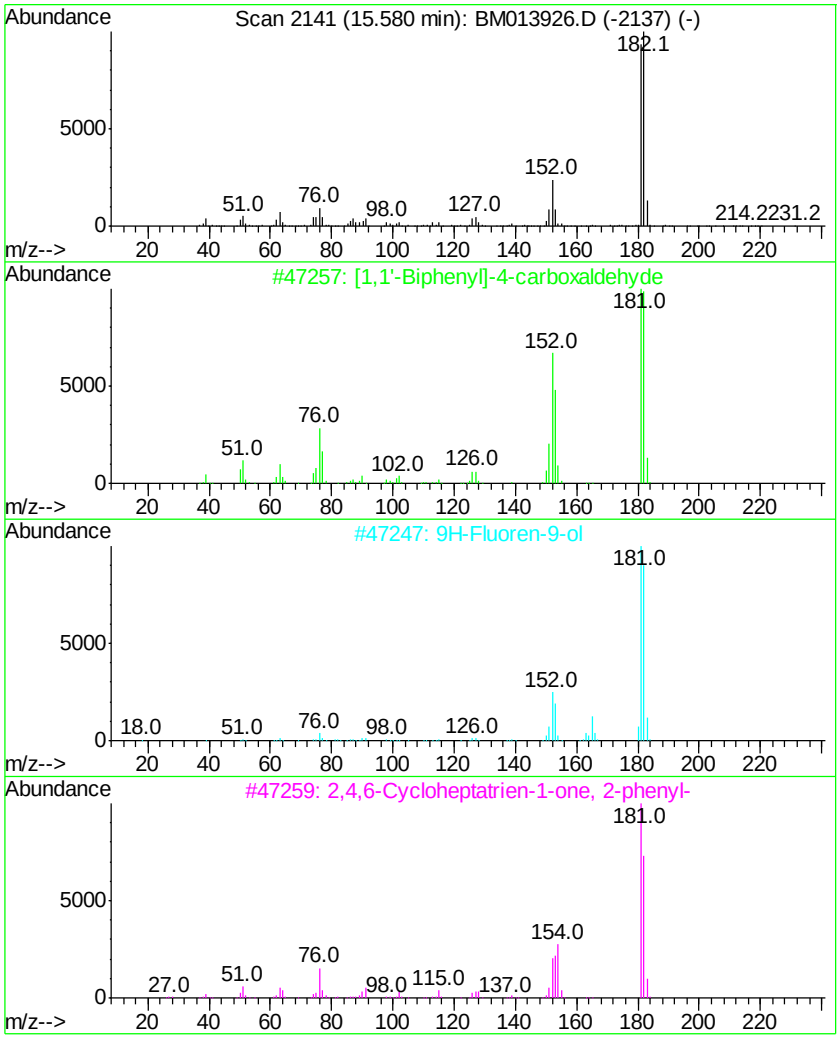
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

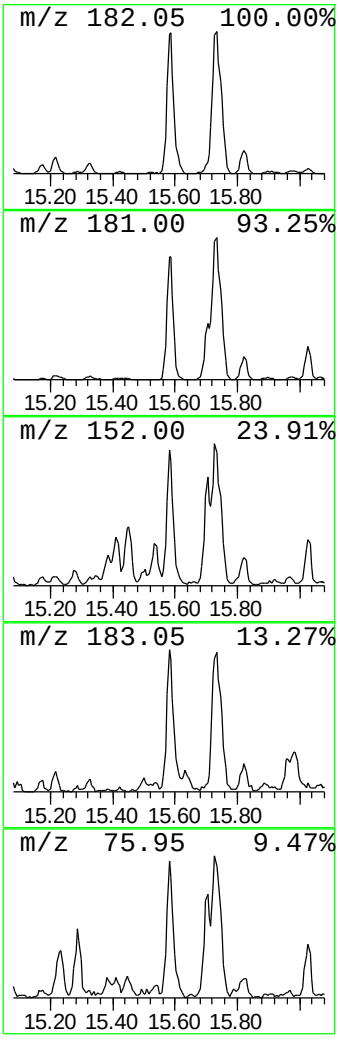
**********

Peak Number 14 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.58 | 6.83 ng/ul | 2478110 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 86 |
| 2 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 86 |
| 3 | 2,4,6-Cycloheptatrien-1-one, 2-p... | 182 | C13H10O | 014562-09-5 | 86 |
| 4 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 83 |
| 5 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 78 |



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

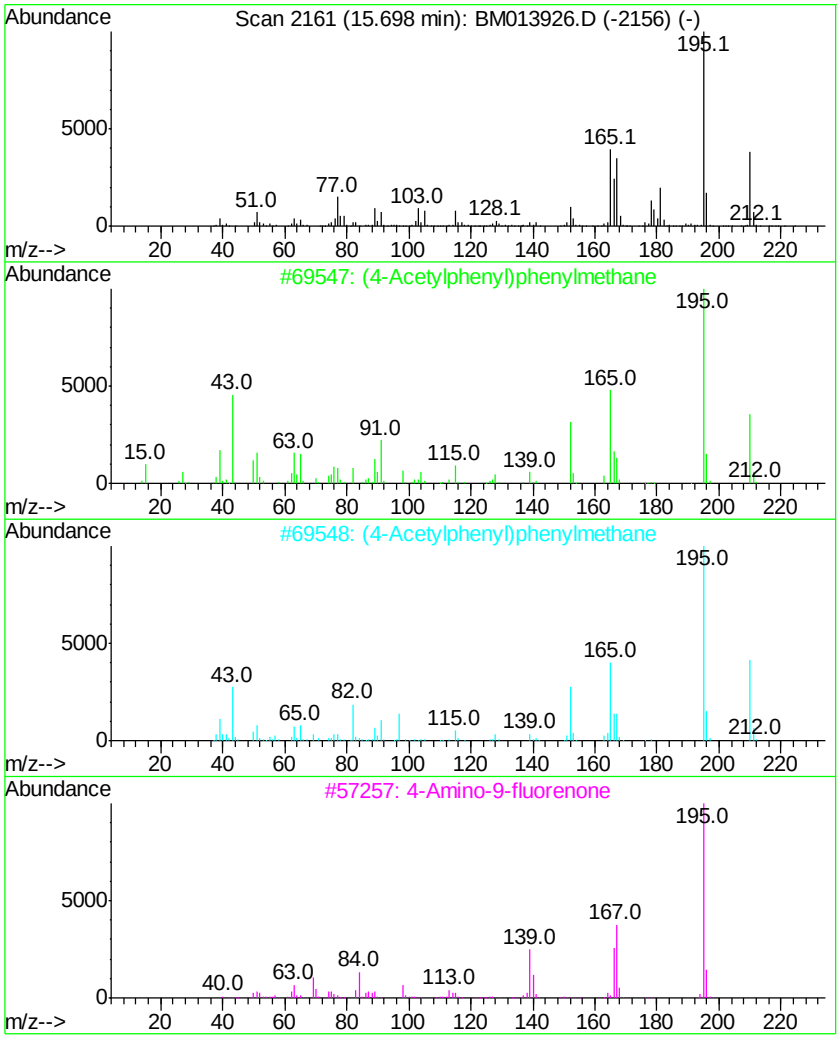
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

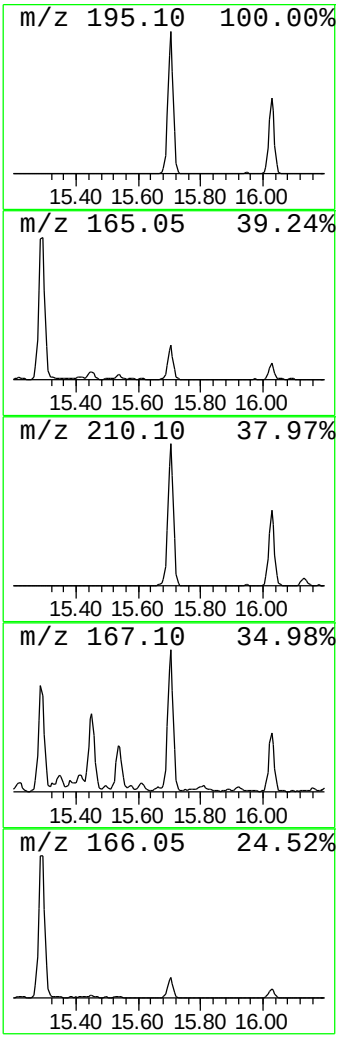
**********

Peak Number 15 (4-Acetylphenyl)phenylmethane Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.70 | 50.89 ng/ul | 5045340 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (4-Acetylphenyl)phenylmethane | 210 | C15H14O | 000782-92-3 | 70 |
| 2 | (4-Acetylphenyl)phenylmethane | 210 | C15H14O | 000782-92-3 | 58 |
| 3 | 4-Amino-9-fluorenone | 195 | C13H9NO | 004269-15-2 | 43 |
| 4 | Benzenamine, 3-(2-phenylethenyl)... | 195 | C14H13N | 014064-82-5 | 43 |
| 5 | 2',3',4',5',6'-Pentafluoroacetop... | 210 | C8H3F5O | 000652-29-9 | 43 |



# Library Search Compound Report

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Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

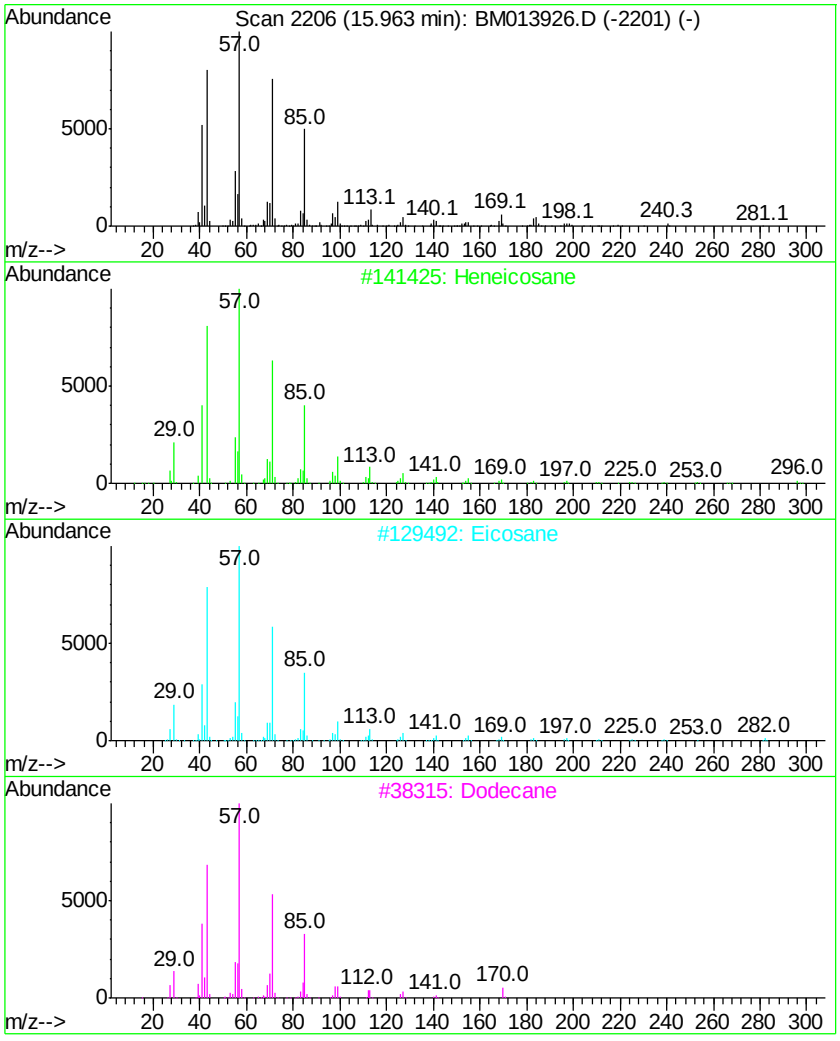
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

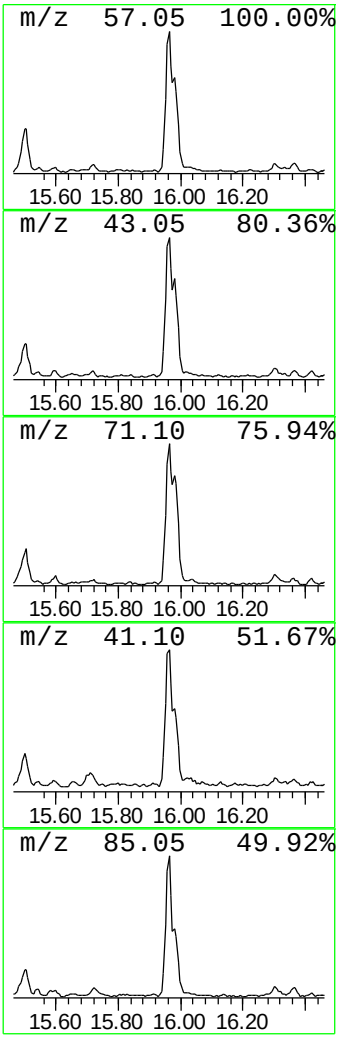
**********

Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.96 | 34.65 ng/ul | 3435040 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 87 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 87 |
| 3 | Dodecane | 170 | C12H26 | 000112-40-3 | 87 |
| 4 | Tetracosane | 338 | C24H50 | 000646-31-1 | 87 |
| 5 | Heptadecane | 240 | C17H36 | 000629-78-7 | 83 |



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

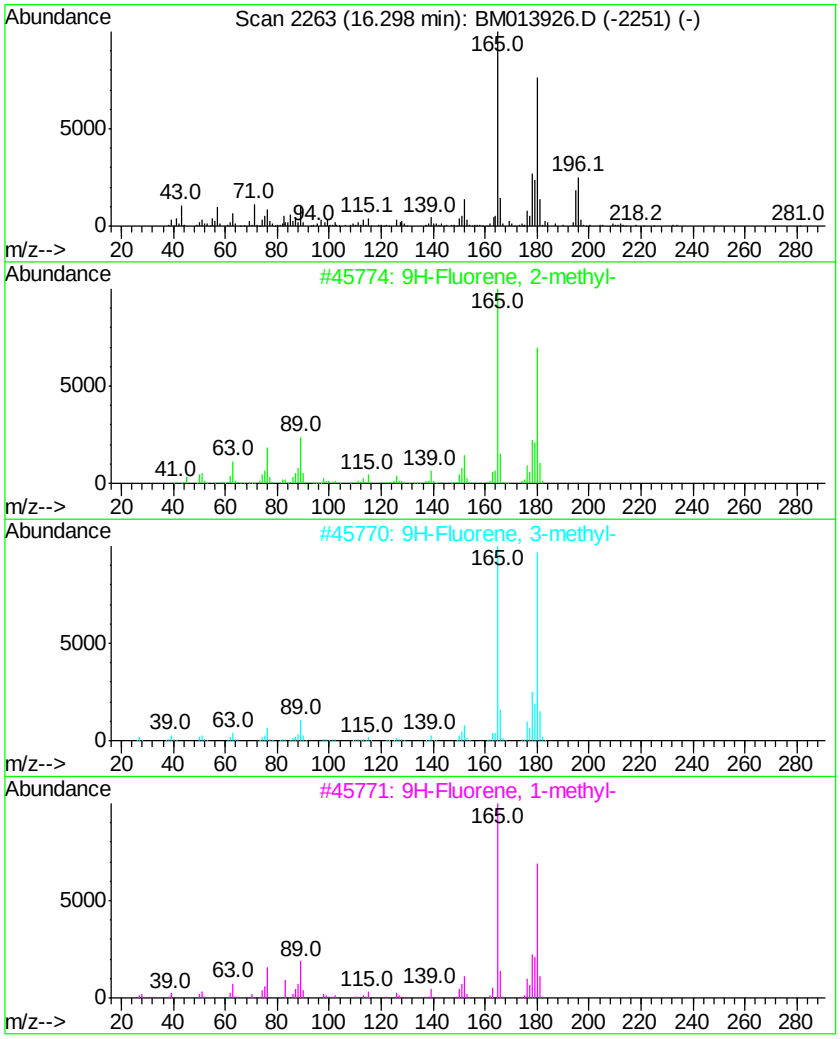
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

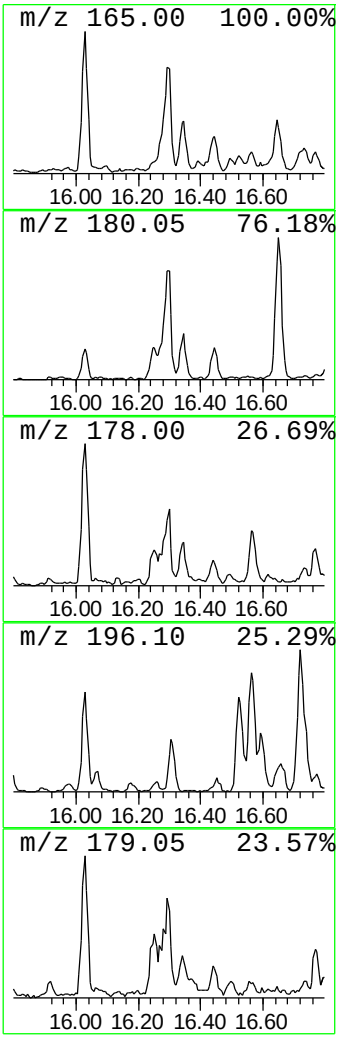
**********

Peak Number 18 9H-Fluorene, 2-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.30 | 12.94 ng/ul | 1282870 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 96 |
| 2 | 9H-Fluorene, 3-methyl- | 180 | C14H12 | 002523-39-9 | 93 |
| 3 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 93 |
| 4 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 93 |
| 5 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 90 |



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Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

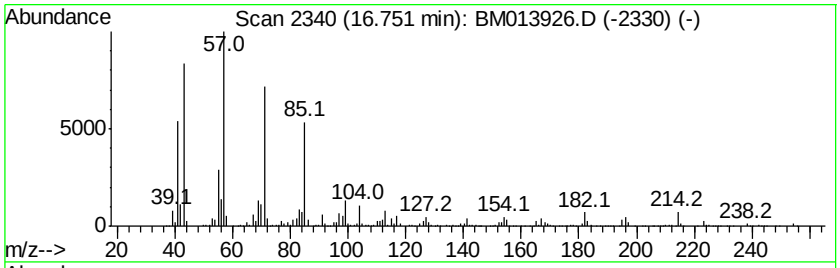
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

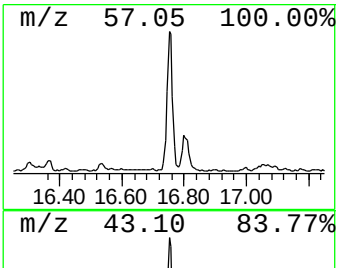
**********

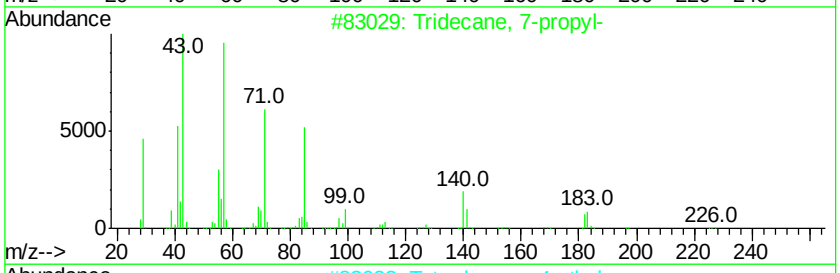
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 5

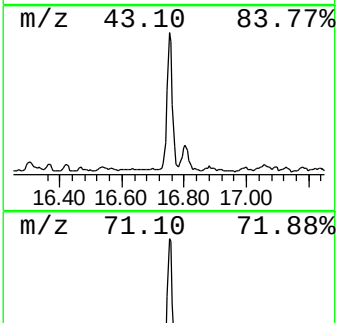
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.75 | 33.87 ng/ul | 3357900 | Phenanthrene-d10 | 16.99 |

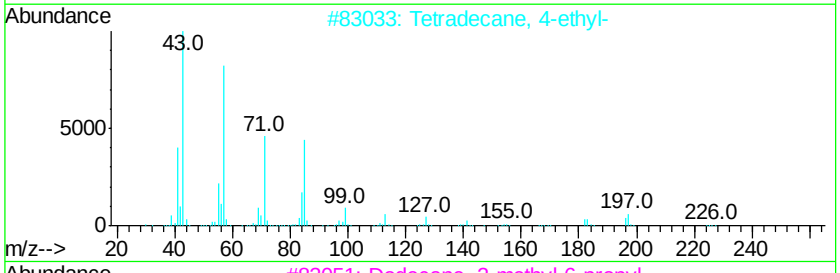
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 7-propyl- | 226 | C16H34 | 055045-09-5 | 93 |
| 2 | Tetradecane, 4-ethyl- | 226 | C16H34 | 055045-14-2 | 91 |
| 3 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 90 |
| 4 | Nonadecane | 268 | C19H40 | 000629-92-5 | 76 |
| 5 | Dodecane, 4-methyl- | 184 | C13H28 | 006117-97-1 | 70 |

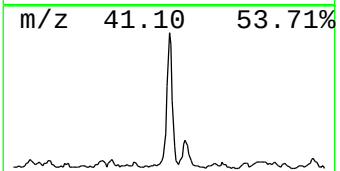


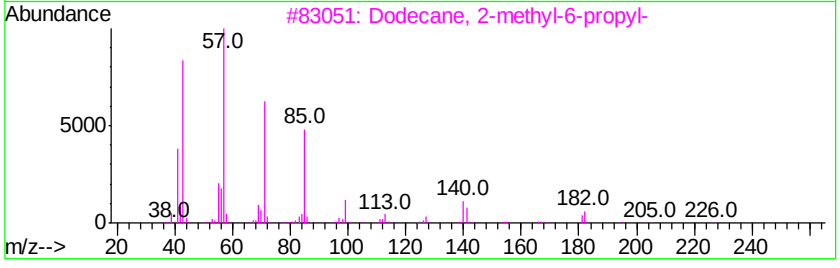



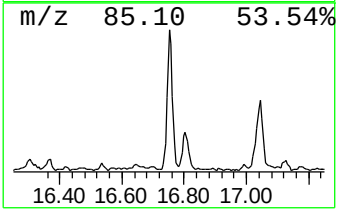



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

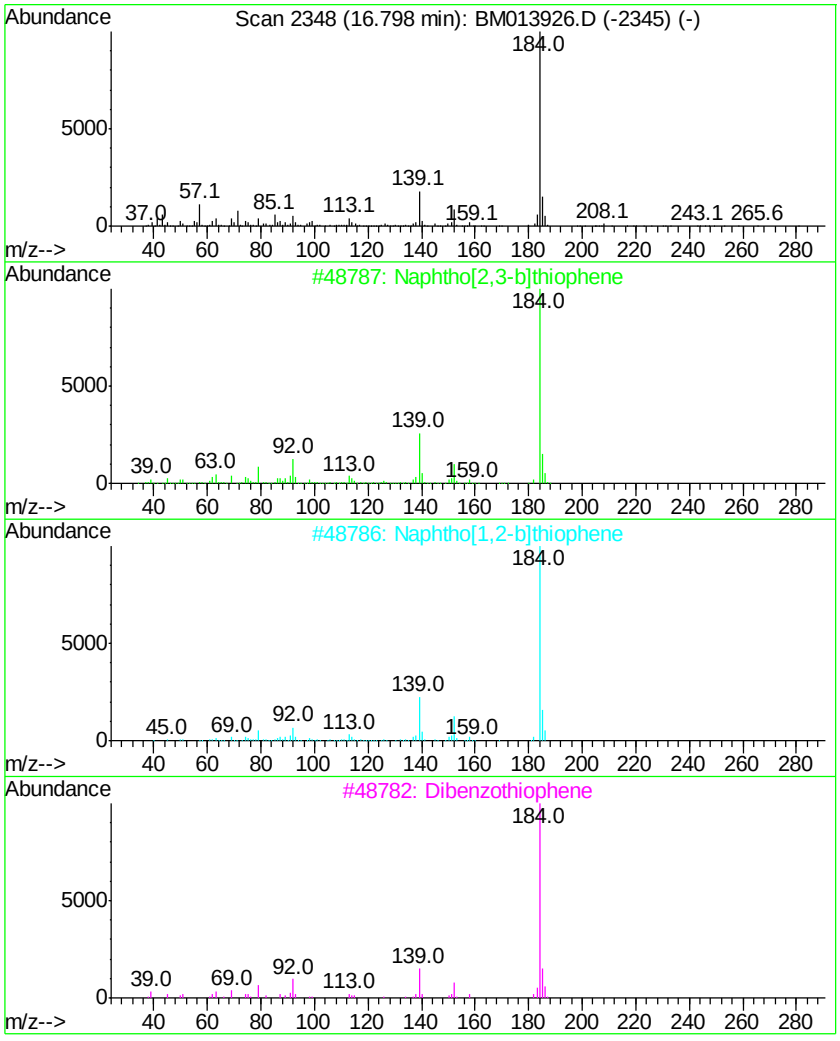
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

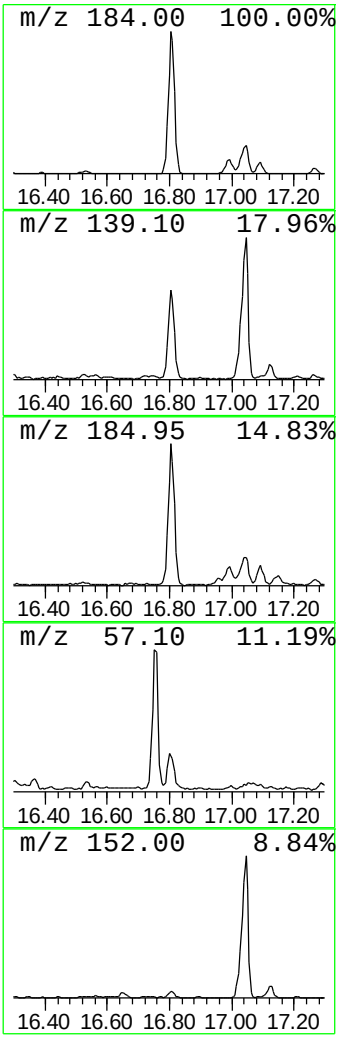
**********

Peak Number 20 Naphtho[2,3-b]thiophene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.80 | 30.73 ng/ul | 3046390 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 93 |
| 2 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 93 |
| 3 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 93 |
| 4 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 93 |
| 5 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 93 |



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

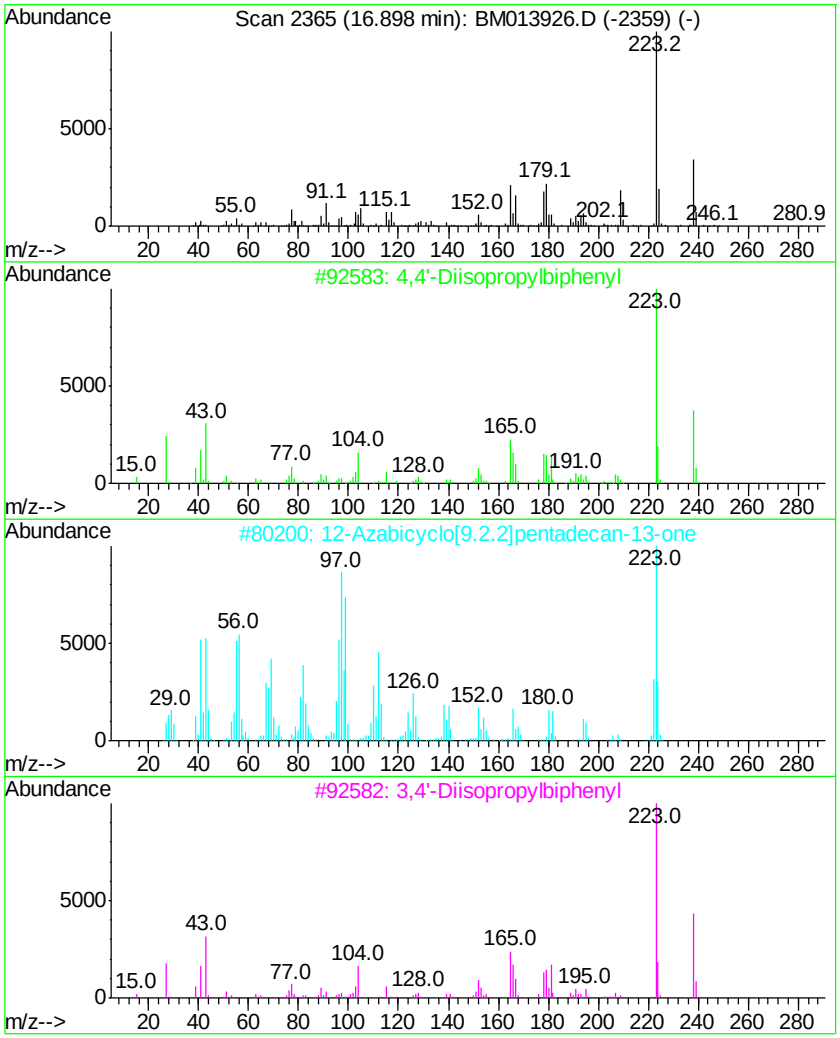
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

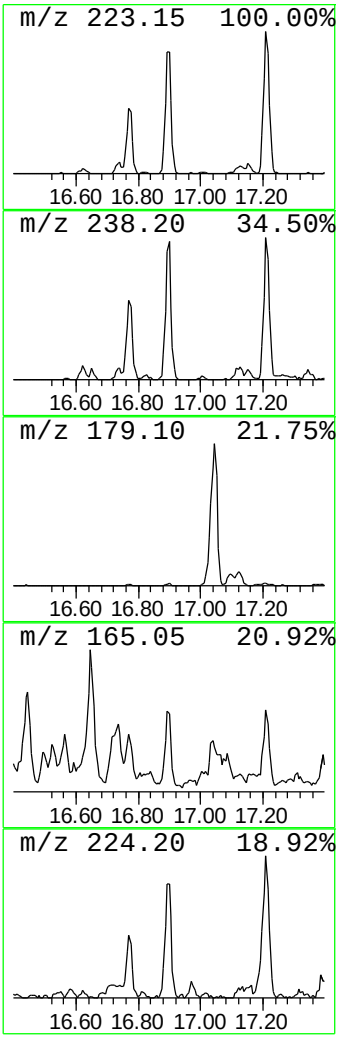
**********

Peak Number 21 4,4'-Diisopropylbiphenyl Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.90 | 8.50 ng/ul | 842525 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4,4'-Diisopropylbiphenyl | 238 | C18H22 | 018970-30-4 | 87 |
| 2 | 12-Azabicyclo[9.2.2]pentadecan-1... | 223 | C14H25NO | 1000191-26-7 | 86 |
| 3 | 3,4'-Diisopropylbiphenyl | 238 | C18H22 | 061434-46-6 | 80 |
| 4 | Benzene, 1,1'-ethylidenebis[4-et... | 238 | C18H22 | 010224-91-6 | 68 |
| 5 | 9-Acridinecarboxylic acid | 223 | C14H9NO2 | 005336-90-3 | 58 |



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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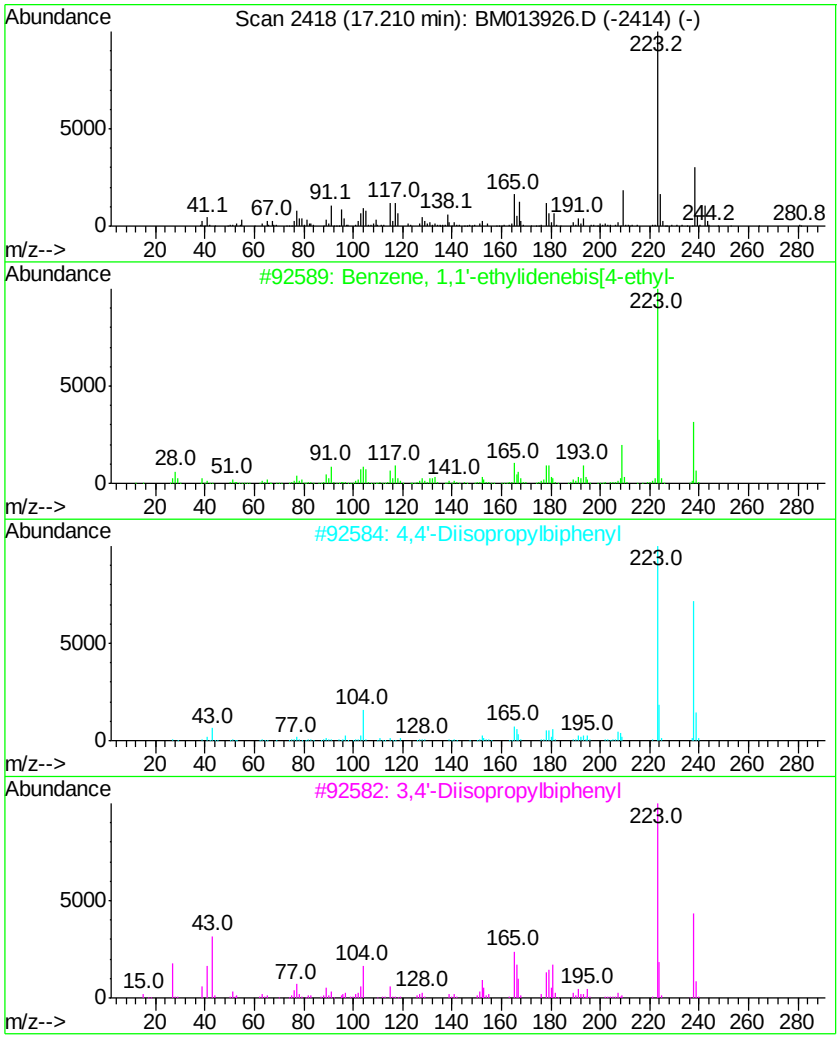
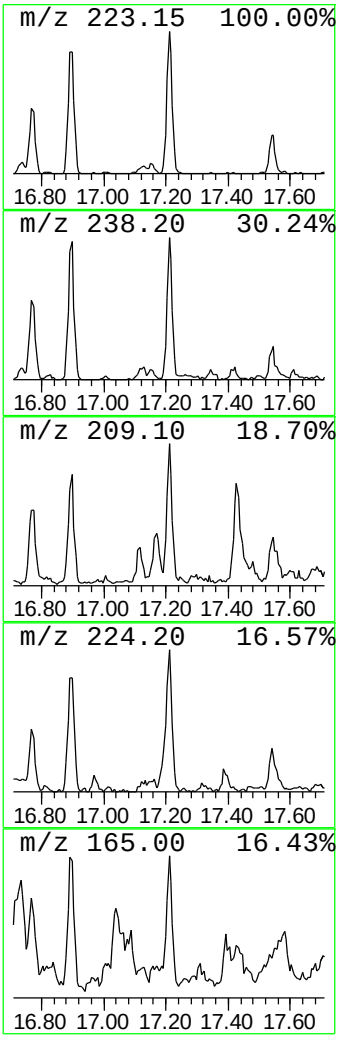
Peak Number 22 Benzene, 1,1'-ethylidenebis... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.21 | 11.65 ng/ul | 1155100 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,1'-ethylidenebis[4-et... | 238 | C18H22 | 010224-91-6 | 87 |
| 2 | 4,4'-Diisopropylbiphenyl | 238 | C18H22 | 018970-30-4 | 83 |
| 3 | 3,4'-Diisopropylbiphenyl | 238 | C18H22 | 061434-46-6 | 64 |
| 4 | 4-tert-Butyl-benzophenone | 238 | C17H18O | 022679-54-5 | 58 |
| 5 | Anthracene, 9,10-dimethoxy- | 238 | C16H14O2 | 002395-97-3 | 58 |



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

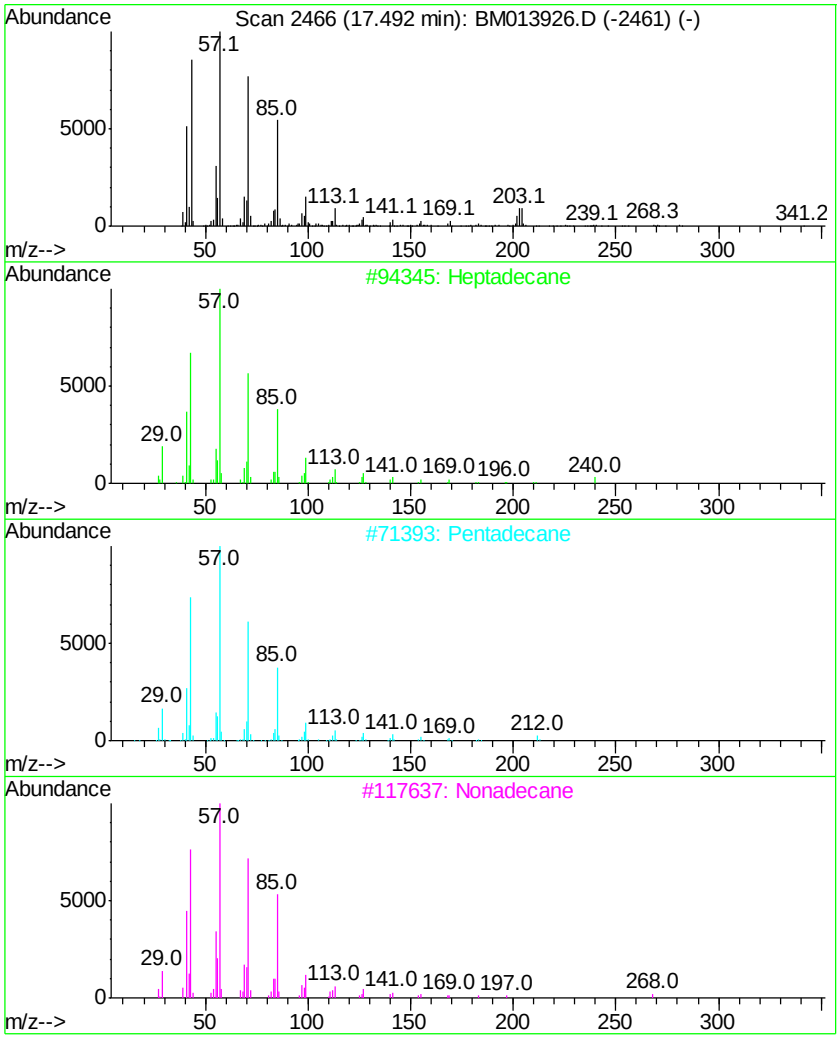
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

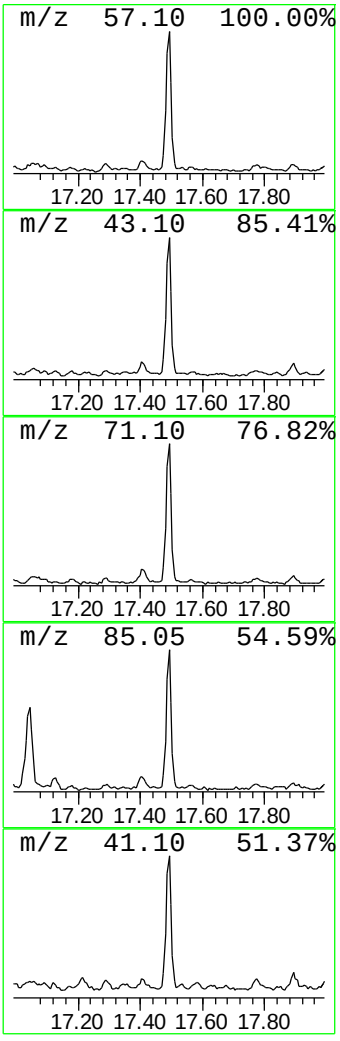
**********

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.49 | 20.05 ng/ul | 1987690 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 87 |
| 2 | Pentadecane | 212 | C15H32 | 000629-62-9 | 87 |
| 3 | Nonadecane | 268 | C19H40 | 000629-92-5 | 87 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

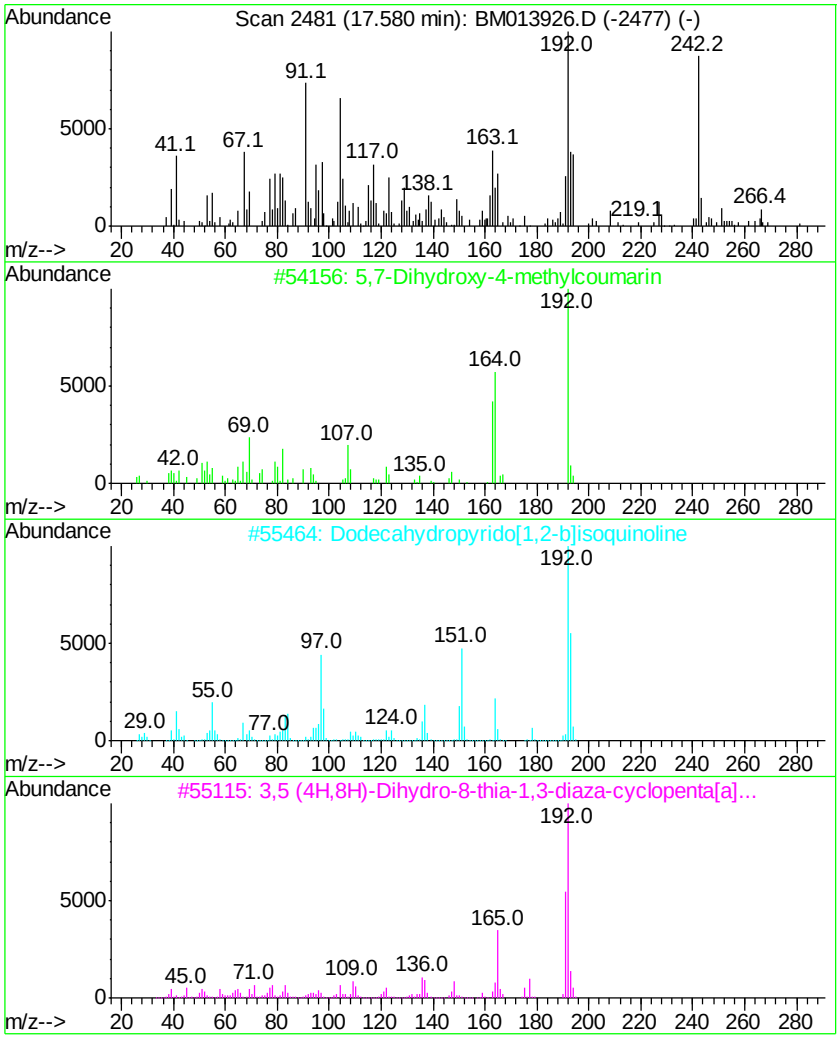
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

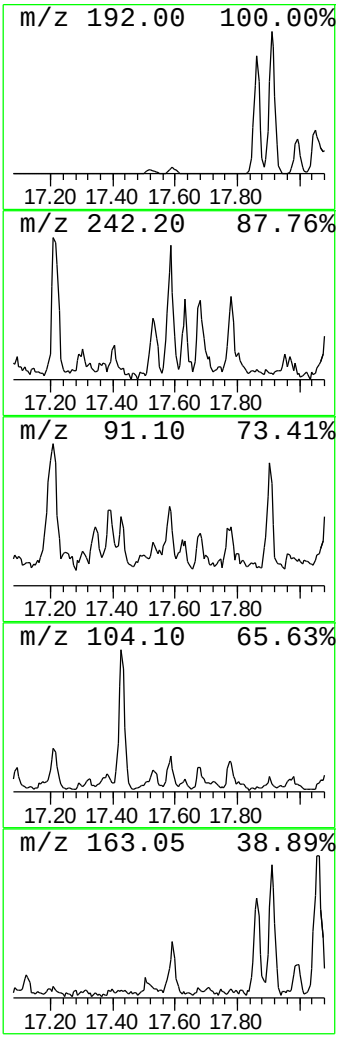
**********

Peak Number 24 unknown-01 Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.58 | 5.22 ng/ul | 517302 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,7-Dihydroxy-4-methylcoumarin | 192 | C10H8O4 | 002107-76-8 | 22 |
| 2 | Dodecahydropyrido[1,2-b]isoquino... | 193 | C13H23N | 113039-29-5 | 22 |
| 3 | 3,5 (4H,8H)-Dihydro-8-thia-1,3-d... | 192 | C9H8N2OS | 014346-25-9 | 22 |
| 4 | 4-Methyldaphnetin | 192 | C10H8O4 | 002107-77-9 | 22 |
| 5 | 2-Amino-3-cyano-4,5-pentamethyle... | 192 | C10H12N2S | 023917-22-8 | 22 |



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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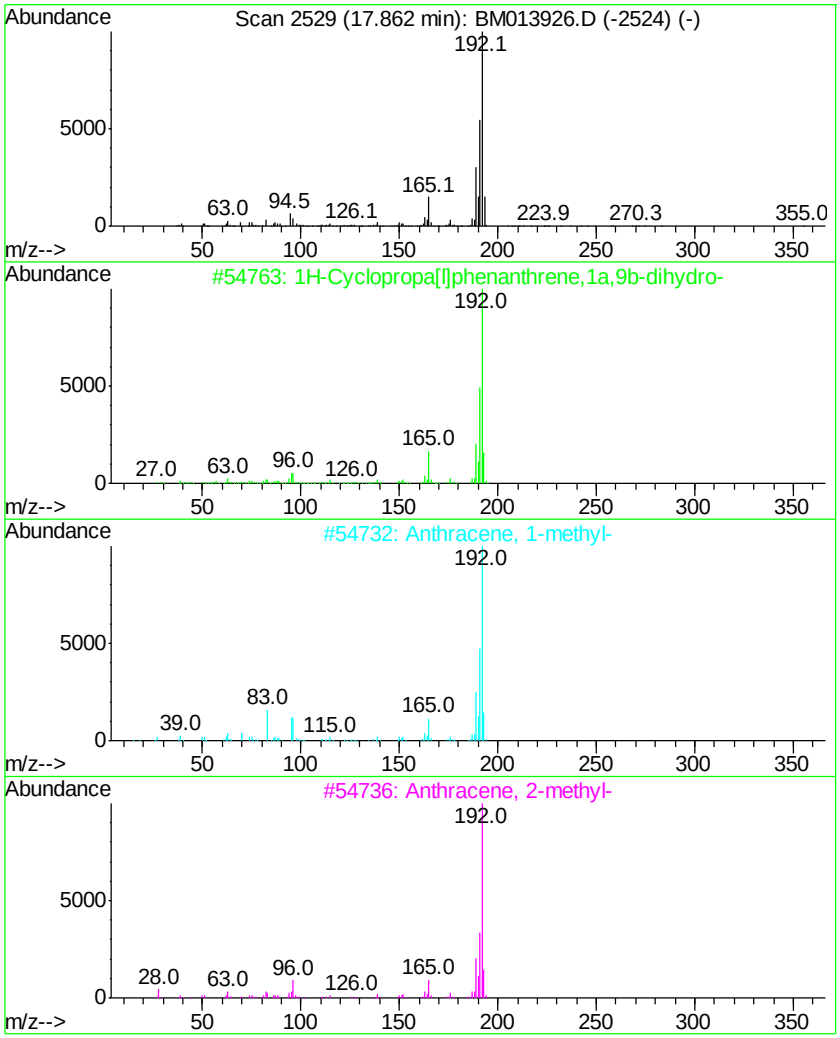
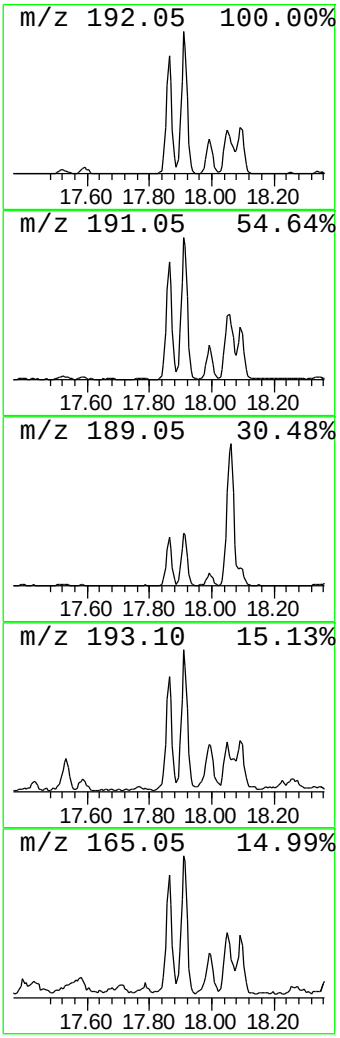
Peak Number 25 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.86 | 22.87 ng/ul | 2267420 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 94 |
| 2 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 94 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 94 |
| 4 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 93 |
| 5 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

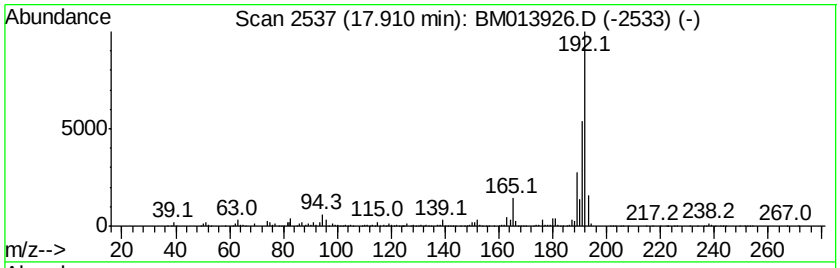
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

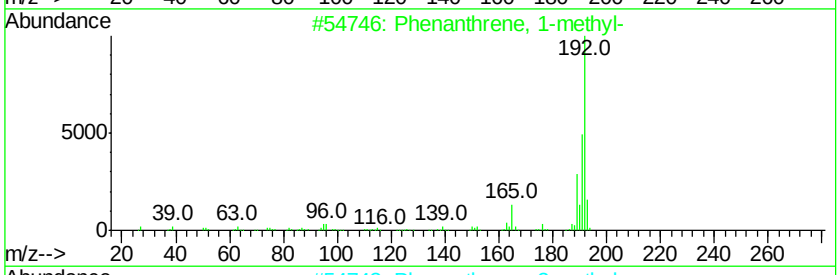
**********

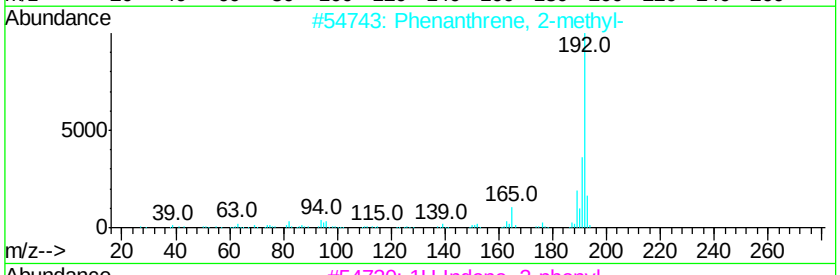
Peak Number 26 Phenanthrene, 1-methyl- Concentration Rank 6

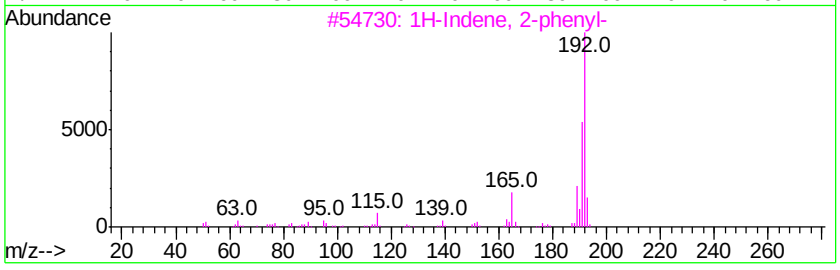
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.91 | 33.12 ng/ul | 3283270 | Phenanthrene-d10 | 16.99 |

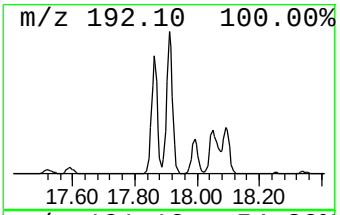
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 2 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 3 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 96 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |
| 5 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |

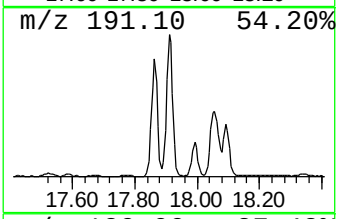


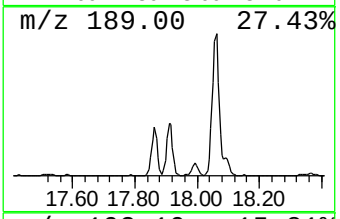



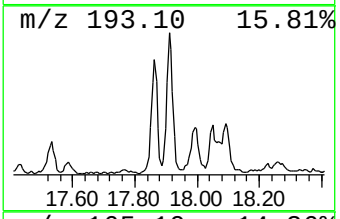



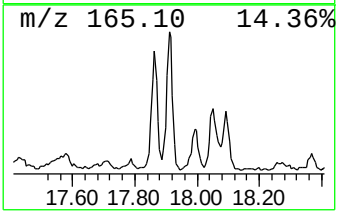



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

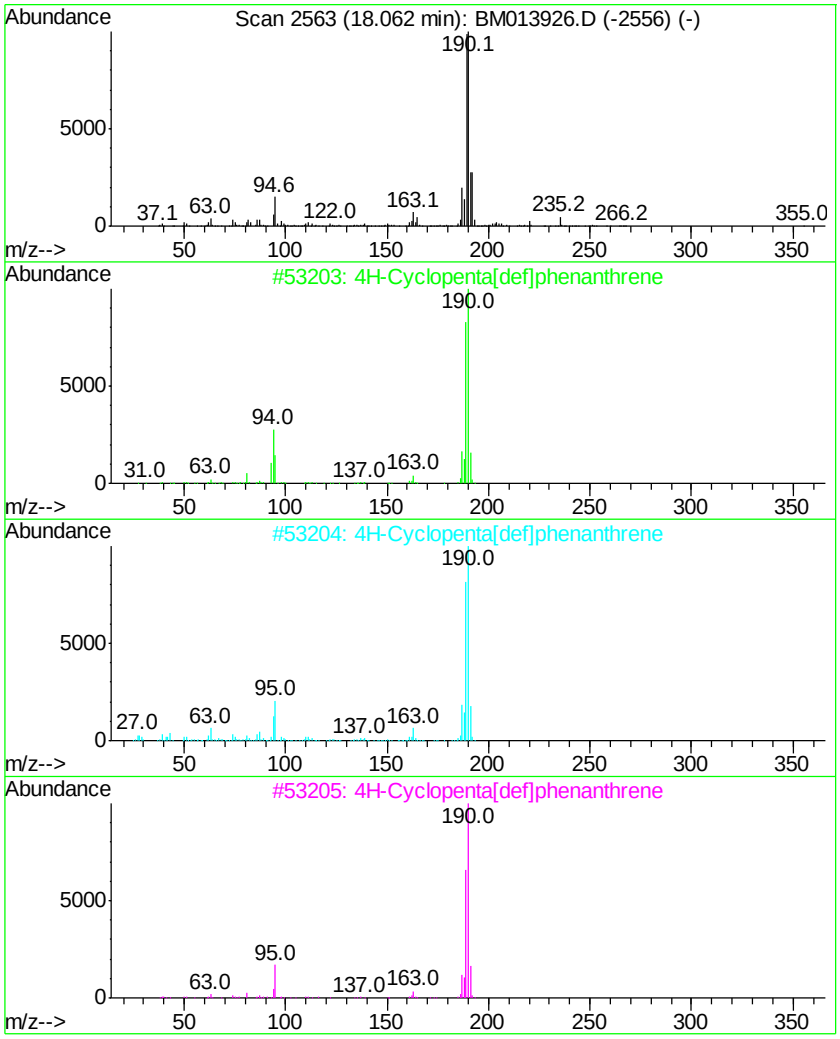
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

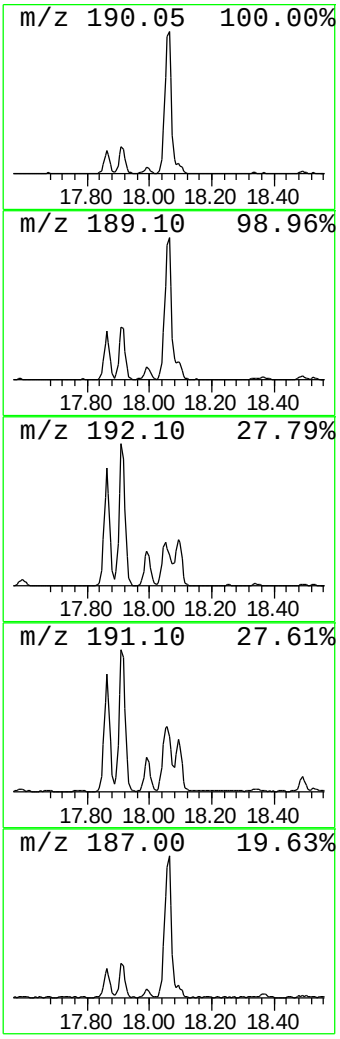
**********

Peak Number 28 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.06 | 36.33 ng/ul | 3602030 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 87 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 76 |
| 3 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 64 |
| 4 | Thiophene-3-carboxaldehyde, 5-ch... | 190 | C5H4BClO3S | 036155-87-0 | 52 |
| 5 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 50 |



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

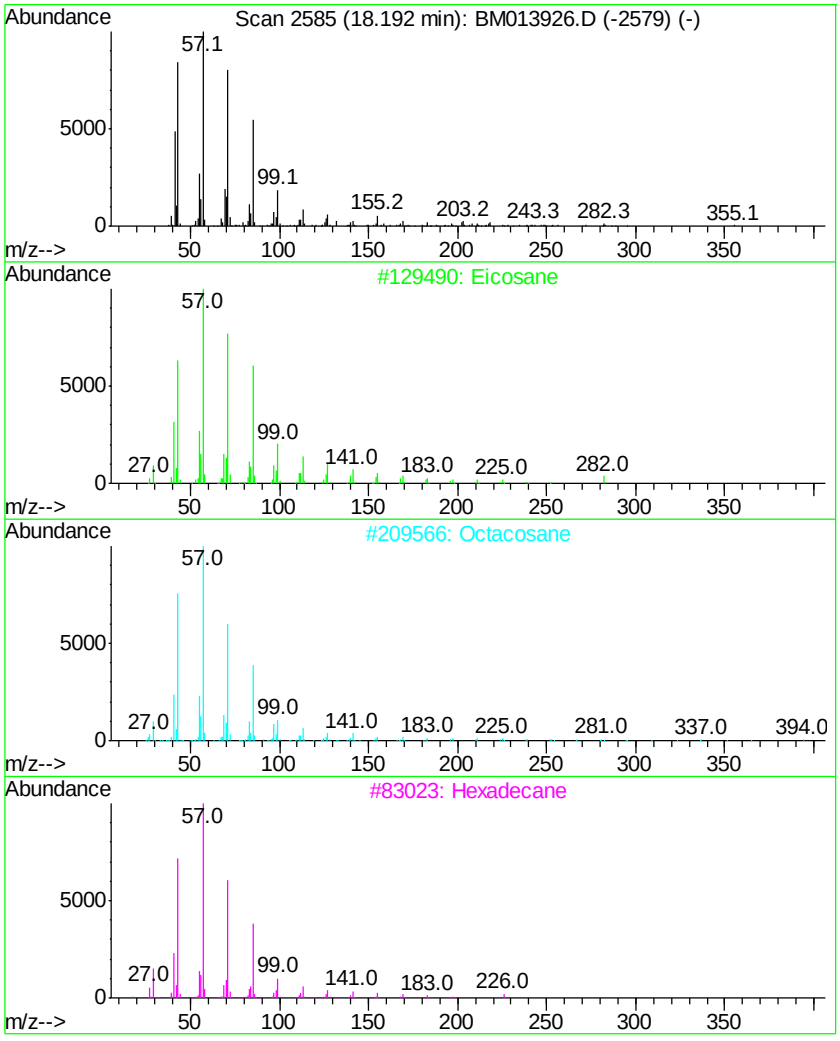
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

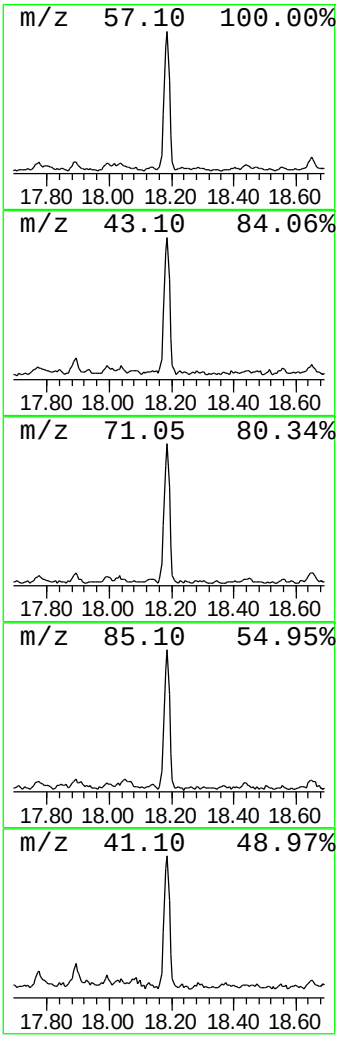
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.19 | 11.71 ng/ul | 1160980 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 96 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 91 |



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

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

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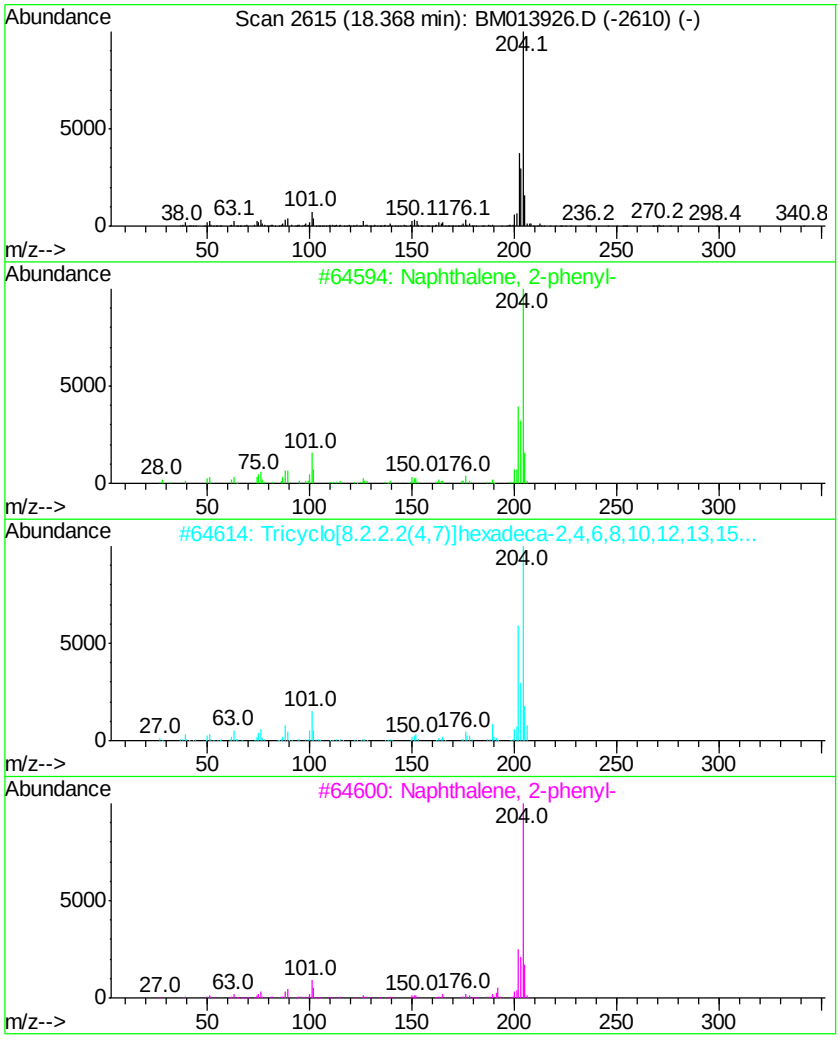
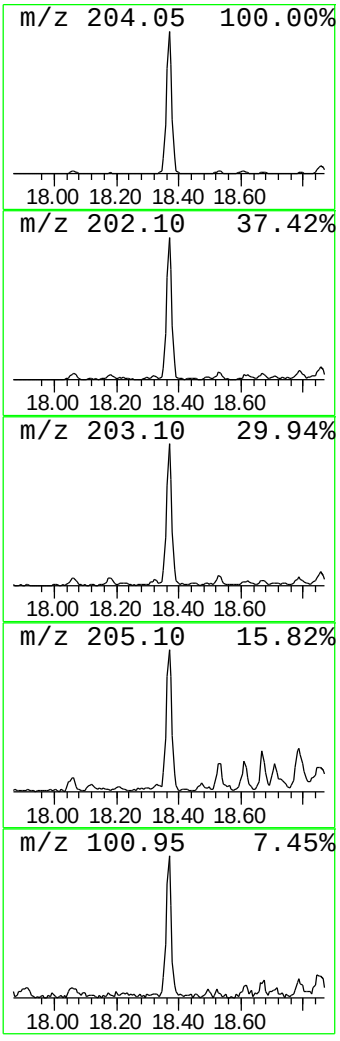
Peak Number 31 Naphthalene, 2-phenyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.37 | 17.55 ng/ul | 1740220 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 90 |
| 2 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 81 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 81 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 81 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 76 |



# Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

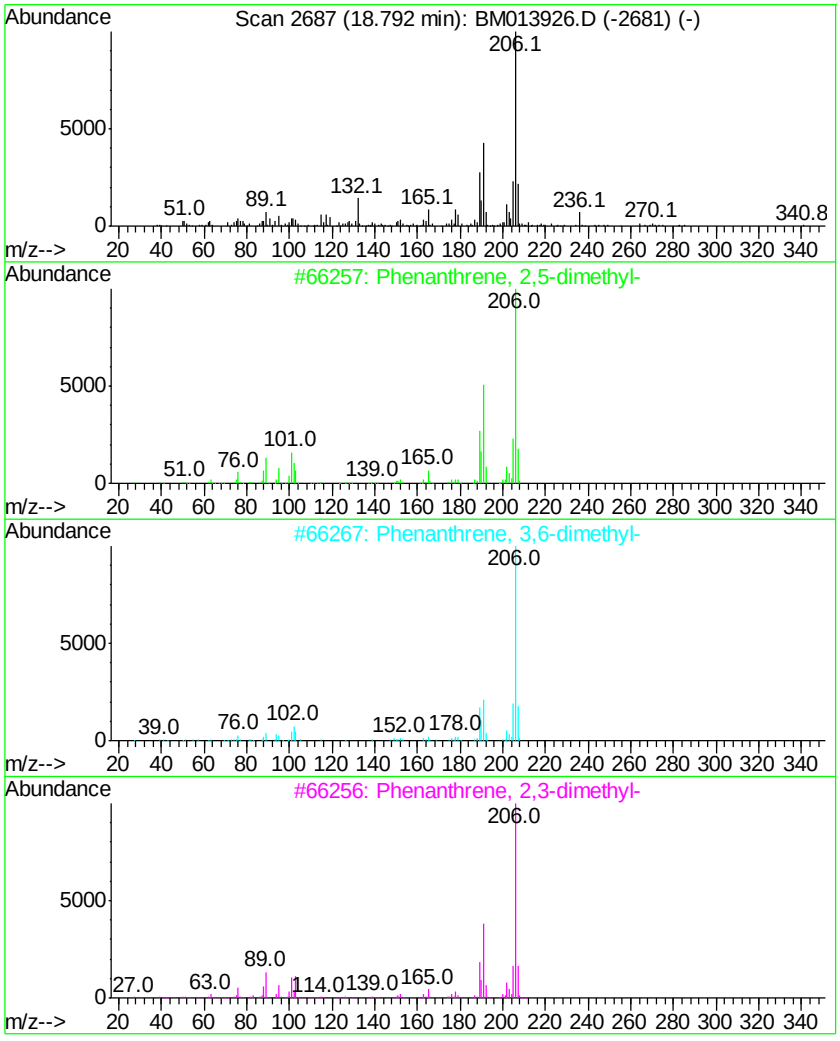
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

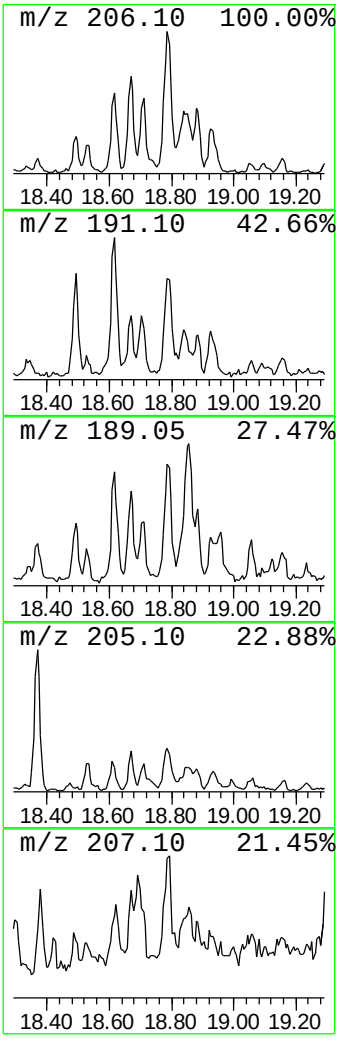
**********

Peak Number 32 Phenanthrene, 2,5-dimethyl- Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.79 | 6.04 ng/ul | 599270 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 2 | Phenanthrene, 3,6-dimethyl- | 206 | C16H14 | 001576-67-6 | 91 |
| 3 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 91 |
| 4 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 91 |
| 5 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 90 |



# Library Search Compound Report

Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

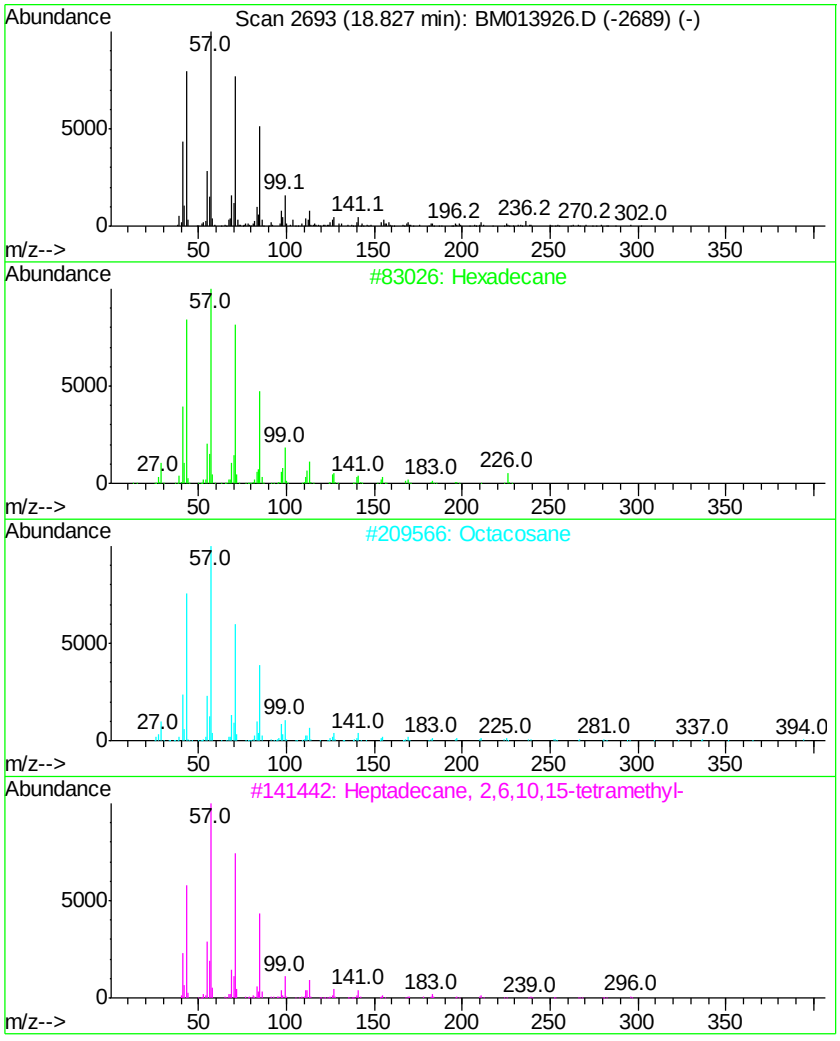
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

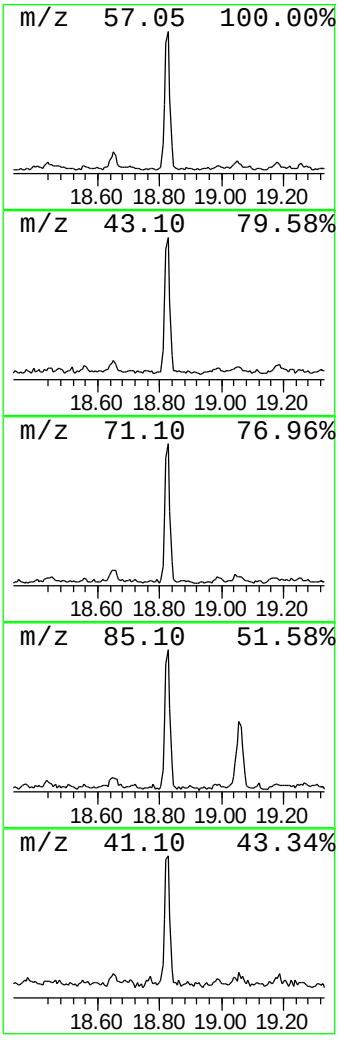
**********

Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.83 | 8.07 ng/ul | 800185 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 94 |
| 2 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 3 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 91 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 91 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 91 |



Data Path : U:\HPCHEM1\BNA M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION

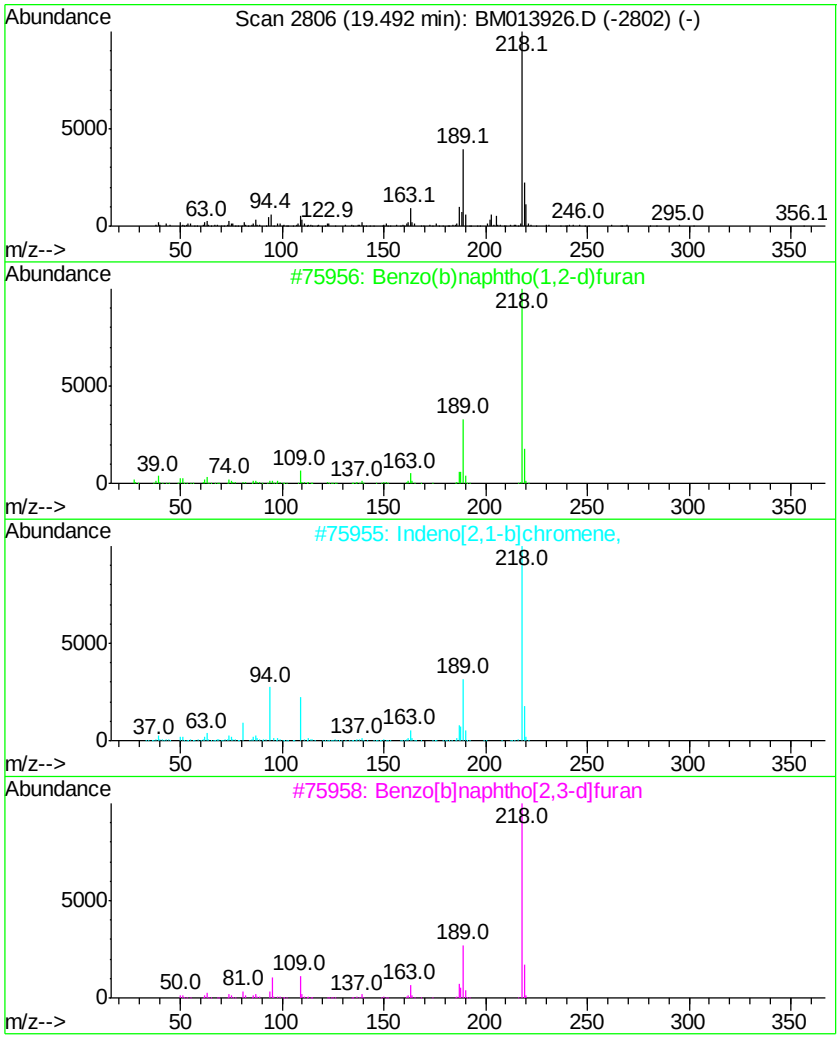
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

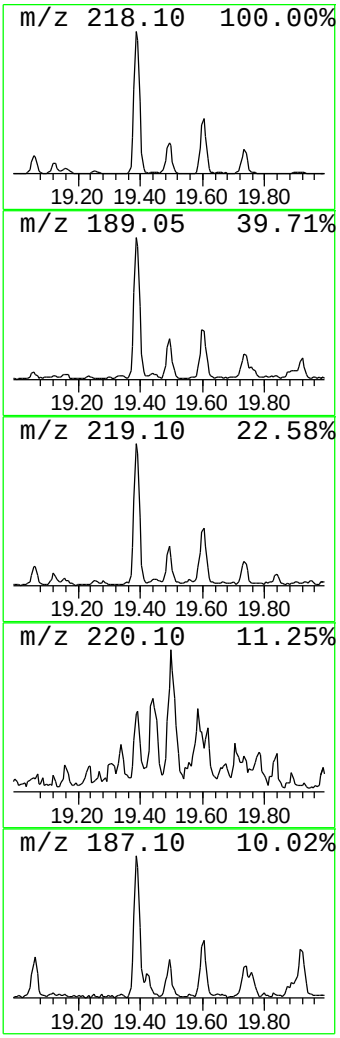
**********

Peak Number 34 Benzo(b)naphtho(1,2-d)furan Concentration Rank 38

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.49 | 2.31 ng/ul | 593565 | Chrysene-d12 | 21.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo(b)naphtho(1,2-d)furan | 218 | C16H10O | 000205-39-0 | 93 |
| 2 | Indeno[2,1-b]chromene, | 218 | C16H10O | 000243-24-3 | 93 |
| 3 | Benzo[b]naphtho[2,3-d]furan | 218 | C16H10O | 000243-42-5 | 90 |
| 4 | Benzo[b]naphtho[2,3-d]furan | 218 | C16H10O | 000243-42-5 | 90 |
| 5 | Benzo[b]naphtho[2,3-d]furan | 218 | C16H10O | 000243-42-5 | 90 |



Tentatively Identified Compound (LSC) summary

Data Path : U:\HPCHEM1\BNA_M\DATA\BM012818\
Data File : BM013926.D
Acq On : 28 Jan 2018 17:28
Operator : SJ/JU
Sample : J1243-09
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B32

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.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 |
| Isoquinoline | 11.19 | 25.4 | ng/ul | 2422860 | 2 | 10.36 | 1911660 | 20.0 |
| (DEL) Alkane: Str... | 11.78 | 9.3 | ng/ul | 891744 | 2 | 10.36 | 1911660 | 20.0 |
| Naphthalene, 1-me... | 12.25 | 74.0 | ng/ul | 7072190 | 2 | 10.36 | 1911660 | 20.0 |
| Naphthalene, 1-et... | 13.25 | 4.2 | ng/ul | 1530070 | 3 | 14.23 | 7260990 | 20.0 |
| Naphthalene, 2,6-... | 13.39 | 7.7 | ng/ul | 2791810 | 3 | 14.23 | 7260990 | 20.0 |
| Naphthalene, 2,3-... | 13.55 | 7.3 | ng/ul | 2635460 | 3 | 14.23 | 7260990 | 20.0 |
| (DEL) Alkane: Str... | 14.14 | 4.9 | ng/ul | 1765280 | 3 | 14.23 | 7260990 | 20.0 |
| 2-Naphthalenecarb... | 14.37 | 2.2 | ng/ul | 803400 | 3 | 14.23 | 7260990 | 20.0 |
| Naphthalene, 1,4,... | 14.86 | 2.1 | ng/ul | 753314 | 3 | 14.23 | 7260990 | 20.0 |
| (DEL) Alkane: Str... | 15.10 | 5.6 | ng/ul | 2035150 | 3 | 14.23 | 7260990 | 20.0 |
| Acetamide, N-cycl... | 15.45 | 2.7 | ng/ul | 974456 | 3 | 14.23 | 7260990 | 20.0 |
| (DEL) Alkane: Str... | 15.50 | 2.4 | ng/ul | 860867 | 3 | 14.23 | 7260990 | 20.0 |
| [1,1'-Biphenyl]-4... | 15.58 | 6.8 | ng/ul | 2478110 | 3 | 14.23 | 7260990 | 20.0 |
| (4-Acetylphenyl)p... | 15.70 | 50.9 | ng/ul | 5045340 | 4 | 16.99 | 1982890 | 20.0 |
| (DEL) Alkane: Str... | 15.96 | 34.6 | ng/ul | 3435040 | 4 | 16.99 | 1982890 | 20.0 |
| 9H-Fluorene, 2-me... | 16.30 | 12.9 | ng/ul | 1282870 | 4 | 16.99 | 1982890 | 20.0 |
| (DEL) Alkane: Str... | 16.75 | 33.9 | ng/ul | 3357900 | 4 | 16.99 | 1982890 | 20.0 |
| Naphtho[2,3-b]thi... | 16.80 | 30.7 | ng/ul | 3046390 | 4 | 16.99 | 1982890 | 20.0 |
| 4,4'-Diisopropylb... | 16.90 | 8.5 | ng/ul | 842525 | 4 | 16.99 | 1982890 | 20.0 |
| Benzene, 1,1'-eth... | 17.21 | 11.7 | ng/ul | 1155100 | 4 | 16.99 | 1982890 | 20.0 |
| (DEL) Alkane: Str... | 17.49 | 20.1 | ng/ul | 1987690 | 4 | 16.99 | 1982890 | 20.0 |
| unknown-01 | 17.58 | 5.2 | ng/ul | 517302 | 4 | 16.99 | 1982890 | 20.0 |
| 1H-Cyclopropa[l]p... | 17.86 | 22.9 | ng/ul | 2267420 | 4 | 16.99 | 1982890 | 20.0 |
| Phenanthrene, 1-m... | 17.91 | 33.1 | ng/ul | 3283270 | 4 | 16.99 | 1982890 | 20.0 |
| 4H-Cyclopenta[def... | 18.06 | 36.3 | ng/ul | 3602030 | 4 | 16.99 | 1982890 | 20.0 |
| (DEL) Alkane: Str... | 18.19 | 11.7 | ng/ul | 1160980 | 4 | 16.99 | 1982890 | 20.0 |
| Naphthalene, 2-ph... | 18.37 | 17.6 | ng/ul | 1740220 | 4 | 16.99 | 1982890 | 20.0 |
| Phenanthrene, 2,5... | 18.79 | 6.0 | ng/ul | 599270 | 4 | 16.99 | 1982890 | 20.0 |
| (DEL) Alkane: Str... | 18.83 | 8.1 | ng/ul | 800185 | 4 | 16.99 | 1982890 | 20.0 |
| Benzo(b)naphtho(1... | 19.49 | 2.3 | ng/ul | 593565 | 5 | 21.19 | 5140140 | 20.0 |