LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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 | 4.722 | 290 | 295 | 303 | rBV | 483342 | 699296 | 2.94% | 0.367% |
| 2 | 6.763 | 636 | 642 | 657 | rVB | 862803 | 1534981 | 6.46% | 0.805% |
| 3 | 6.922 | 663 | 669 | 679 | rBV | 646159 | 991064 | 4.17% | 0.520% |
| 4 | 7.110 | 695 | 701 | 712 | rBV | 947167 | 1491145 | 6.27% | 0.782% |
| 5 | 7.575 | 772 | 780 | 789 | rBV | 762517 | 1198167 | 5.04% | 0.629% |
| 6 | 8.104 | 864 | 870 | 883 | rBV2 | 180615 | 346661 | 1.46% | 0.182% |
| 7 | 8.292 | 895 | 902 | 916 | rBV | 1016895 | 1711691 | 7.20% | 0.898% |
| 8 | 8.734 | 968 | 977 | 987 | rBV | 880534 | 1455490 | 6.12% | 0.764% |
| 9 | 9.445 | 1090 | 1098 | 1107 | rBV | 771849 | 1316073 | 5.54% | 0.690% |
| 10 | 9.981 | 1183 | 1189 | 1201 | rBV | 1029810 | 1913471 | 8.05% | 1.004% |
| 11 | 10.345 | 1243 | 1251 | 1258 | rBV | 938176 | 1573039 | 6.62% | 0.825% |
| 12 | 10.504 | 1271 | 1278 | 1293 | rBV | 443652 | 897850 | 3.78% | 0.471% |
| 13 | 11.680 | 1471 | 1478 | 1488 | rBV2 | 250164 | 461418 | 1.94% | 0.242% |
| 14 | 13.651 | 1806 | 1813 | 1817 | rVV | 1777850 | 2512388 | 10.57% | 1.318% |
| 15 | 13.698 | 1817 | 1821 | 1827 | rVB | 763123 | 1081586 | 4.55% | 0.567% |
| 16 | 13.921 | 1851 | 1859 | 1871 | rBV2 | 1937382 | 3426715 | 14.42% | 1.798% |
| 17 | 14.227 | 1898 | 1911 | 1918 | rBV2 | 1192063 | 2026896 | 8.53% | 1.063% |
| 18 | 14.292 | 1918 | 1922 | 1932 | rVB2 | 166114 | 311907 | 1.31% | 0.164% |
| 19 | 14.474 | 1943 | 1953 | 1961 | rBV | 534298 | 1099470 | 4.63% | 0.577% |
| 20 | 14.774 | 1998 | 2004 | 2009 | rBV3 | 257685 | 505857 | 2.13% | 0.265% |
| 21 | 14.833 | 2009 | 2014 | 2016 | rVV | 247245 | 345707 | 1.45% | 0.181% |
| 22 | 14.868 | 2016 | 2020 | 2029 | rVB2 | 493873 | 875177 | 3.68% | 0.459% |
| 23 | 15.227 | 2076 | 2081 | 2087 | rBV | 2299369 | 3217764 | 13.54% | 1.688% |
| 24 | 15.286 | 2087 | 2091 | 2100 | rVB2 | 179261 | 326477 | 1.37% | 0.171% |
| 25 | 15.374 | 2101 | 2106 | 2116 | rBV3 | 564429 | 1126372 | 4.74% | 0.591% |
| 26 | 15.604 | 2138 | 2145 | 2151 | rBV | 1849070 | 2578113 | 10.85% | 1.352% |
| 27 | 15.698 | 2157 | 2161 | 2172 | rVB2 | 572009 | 886223 | 3.73% | 0.465% |
| 28 | 15.874 | 2186 | 2191 | 2196 | rBV | 1457717 | 1894011 | 7.97% | 0.994% |
| 29 | 15.974 | 2203 | 2208 | 2212 | rVB4 | 281997 | 511264 | 2.15% | 0.268% |
| 30 | 16.027 | 2212 | 2217 | 2221 | rVB | 350424 | 443243 | 1.87% | 0.233% |
| 31 | 16.651 | 2315 | 2323 | 2331 | rBV | 16994386 | 23764813 | 100.00% | 12.467% |
| 32 | 16.727 | 2333 | 2336 | 2340 | rVV4 | 303857 | 585322 | 2.46% | 0.307% |
| 33 | 16.768 | 2340 | 2343 | 2346 | rVV | 330107 | 500781 | 2.11% | 0.263% |
| 34 | 16.804 | 2346 | 2349 | 2356 | rVB2 | 333721 | 525117 | 2.21% | 0.275% |

LSC Area Percent Report

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Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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 | 16.892 | 2360 | 2364 | 2367 | rBV | 372163 | 473891 | 1.99% | 0.249% |
| 36 | 16.986 | 2375 | 2380 | 2383 | rBV | 1261911 | 1785199 | 7.51% | 0.936% |
| 37 | 17.033 | 2383 | 2388 | 2392 | rVV | 4338000 | 5850718 | 24.62% | 3.069% |
| 38 | 17.086 | 2392 | 2397 | 2400 | rVV2 | 2420999 | 3279057 | 13.80% | 1.720% |
| 39 | 17.121 | 2400 | 2403 | 2408 | rVB | 1010673 | 1288372 | 5.42% | 0.676% |
| 40 | 17.209 | 2415 | 2418 | 2425 | rVB | 503679 | 708546 | 2.98% | 0.372% |
| 41 | 17.368 | 2441 | 2445 | 2447 | rBV | 408355 | 551640 | 2.32% | 0.289% |
| 42 | 17.398 | 2447 | 2450 | 2461 | rVB | 755817 | 1285164 | 5.41% | 0.674% |
| 43 | 17.504 | 2463 | 2468 | 2476 | rBV6 | 187722 | 544574 | 2.29% | 0.286% |
| 44 | 17.580 | 2476 | 2481 | 2487 | rVB8 | 203805 | 405274 | 1.71% | 0.213% |
| 45 | 17.774 | 2510 | 2514 | 2520 | rVB5 | 289679 | 539274 | 2.27% | 0.283% |
| 46 | 17.862 | 2522 | 2529 | 2531 | rBV2 | 445814 | 781919 | 3.29% | 0.410% |
| 47 | 17.904 | 2531 | 2536 | 2544 | rVB2 | 1036451 | 1906161 | 8.02% | 1.000% |
| 48 | 17.992 | 2548 | 2551 | 2557 | rVB4 | 268480 | 395372 | 1.66% | 0.207% |
| 49 | 18.056 | 2557 | 2562 | 2566 | rBV3 | 975098 | 1632190 | 6.87% | 0.856% |
| 50 | 18.256 | 2593 | 2596 | 2602 | rBV3 | 200264 | 372730 | 1.57% | 0.196% |
| 51 | 18.368 | 2611 | 2615 | 2619 | rVB | 476001 | 589163 | 2.48% | 0.309% |
| 52 | 18.415 | 2619 | 2623 | 2628 | rBV | 1253895 | 1639364 | 6.90% | 0.860% |
| 53 | 18.692 | 2666 | 2670 | 2677 | rVB | 605605 | 1059891 | 4.46% | 0.556% |
| 54 | 18.821 | 2689 | 2692 | 2696 | rVB2 | 393940 | 465599 | 1.96% | 0.244% |
| 55 | 18.939 | 2707 | 2712 | 2717 | rBV | 1428909 | 2110816 | 8.88% | 1.107% |
| 56 | 19.062 | 2726 | 2733 | 2739 | rVB | 16474270 | 22403724 | 94.27% | 11.753% |
| 57 | 19.156 | 2746 | 2749 | 2751 | rBV2 | 293345 | 342956 | 1.44% | 0.180% |
| 58 | 19.186 | 2751 | 2754 | 2762 | rVB3 | 458755 | 723431 | 3.04% | 0.379% |
| 59 | 19.292 | 2765 | 2772 | 2783 | rVB3 | 495495 | 1539640 | 6.48% | 0.808% |
| 60 | 19.392 | 2784 | 2789 | 2791 | rBV2 | 3740631 | 5184606 | 21.82% | 2.720% |
| 61 | 19.427 | 2791 | 2795 | 2802 | rVV | 13008502 | 17367713 | 73.08% | 9.111% |
| 62 | 19.492 | 2803 | 2806 | 2813 | rVB2 | 354745 | 520579 | 2.19% | 0.273% |
| 63 | 19.603 | 2821 | 2825 | 2831 | rBV | 456694 | 624464 | 2.63% | 0.328% |
| 64 | 19.668 | 2832 | 2836 | 2840 | rVB | 1351536 | 1765825 | 7.43% | 0.926% |
| 65 | 19.733 | 2843 | 2847 | 2851 | rBV2 | 1379572 | 1933119 | 8.13% | 1.014% |
| 66 | 19.809 | 2856 | 2860 | 2862 | rBV | 452621 | 585114 | 2.46% | 0.307% |
| 67 | 19.839 | 2862 | 2865 | 2868 | rVB2 | 367720 | 407365 | 1.71% | 0.214% |
| 68 | 19.892 | 2869 | 2874 | 2876 | rBV5 | 498150 | 971376 | 4.09% | 0.510% |
| 69 | 20.080 | 2900 | 2906 | 2909 | rVB3 | 554131 | 980927 | 4.13% | 0.515% |
| 70 | 20.221 | 2926 | 2930 | 2932 | rBV | 345319 | 462026 | 1.94% | 0.242% |
| 71 | 20.474 | 2970 | 2973 | 2975 | rBV2 | 471400 | 598406 | 2.52% | 0.314% |

LSC Area Percent Report

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Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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 | 20.674 | 3003 | 3007 | 3013 | rVB2 | 1285844 | 1703712 | 7.17% | 0.894% |
| 73 | 20.756 | 3018 | 3021 | 3027 | rVB3 | 544633 | 676758 | 2.85% | 0.355% |
| 74 | 20.833 | 3030 | 3034 | 3038 | rVV2 | 768810 | 1197610 | 5.04% | 0.628% |
| 75 | 20.874 | 3038 | 3041 | 3044 | rVV2 | 979036 | 1260395 | 5.30% | 0.661% |
| 76 | 20.915 | 3044 | 3048 | 3054 | rVV2 | 1304378 | 2086723 | 8.78% | 1.095% |
| 77 | 20.974 | 3054 | 3058 | 3062 | rVB | 1028756 | 1199670 | 5.05% | 0.629% |
| 78 | 21.150 | 3085 | 3088 | 3089 | rBV | 307291 | 365212 | 1.54% | 0.192% |
| 79 | 21.180 | 3089 | 3093 | 3098 | rVV2 | 2655812 | 5772080 | 24.29% | 3.028% |
| 80 | 21.227 | 3098 | 3101 | 3112 | rVB | 2935229 | 4061321 | 17.09% | 2.130% |
| 81 | 22.374 | 3293 | 3296 | 3302 | rVB | 569597 | 799696 | 3.37% | 0.420% |
| 82 | 22.733 | 3351 | 3357 | 3362 | rBV | 1908188 | 4207274 | 17.70% | 2.207% |
| 83 | 23.191 | 3430 | 3435 | 3439 | rBV | 866976 | 1505820 | 6.34% | 0.790% |
| 84 | 23.244 | 3439 | 3444 | 3448 | rVV2 | 1782421 | 3083391 | 12.97% | 1.617% |
| 85 | 23.286 | 3448 | 3451 | 3456 | rVB2 | 782553 | 1140139 | 4.80% | 0.598% |
| 86 | 23.380 | 3462 | 3467 | 3472 | rBV | 914147 | 1457638 | 6.13% | 0.765% |
| 87 | 24.897 | 3722 | 3725 | 3734 | rVB7 | 431816 | 791893 | 3.33% | 0.415% |
| 88 | 25.597 | 3835 | 3844 | 3854 | rVB2 | 1350243 | 4091751 | 17.22% | 2.146% |
| 89 | 28.085 | 4256 | 4267 | 4278 | rVB3 | 2008654 | 7016428 | 29.52% | 3.681% |

Sum of corrected areas: 190629245

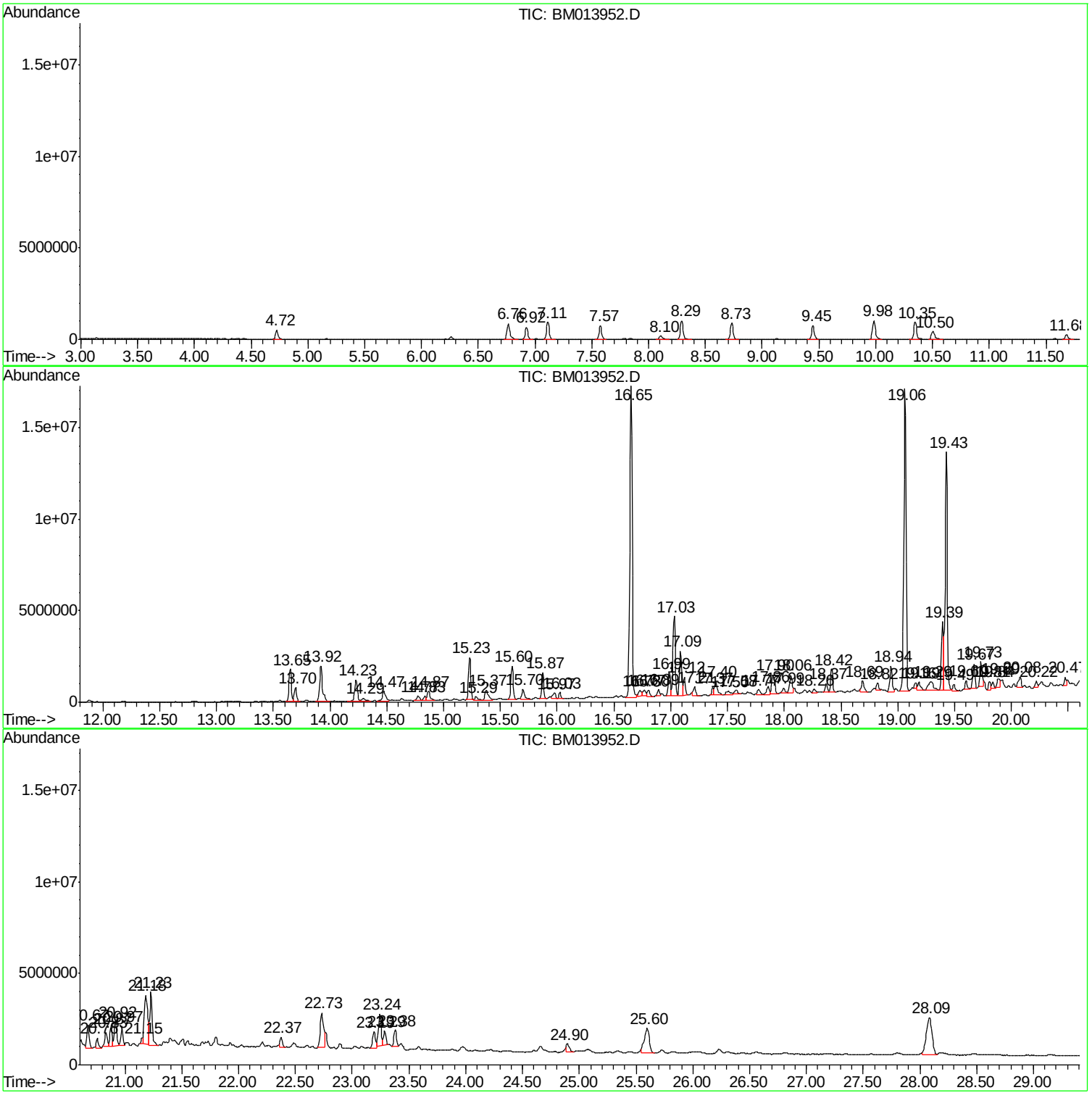
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

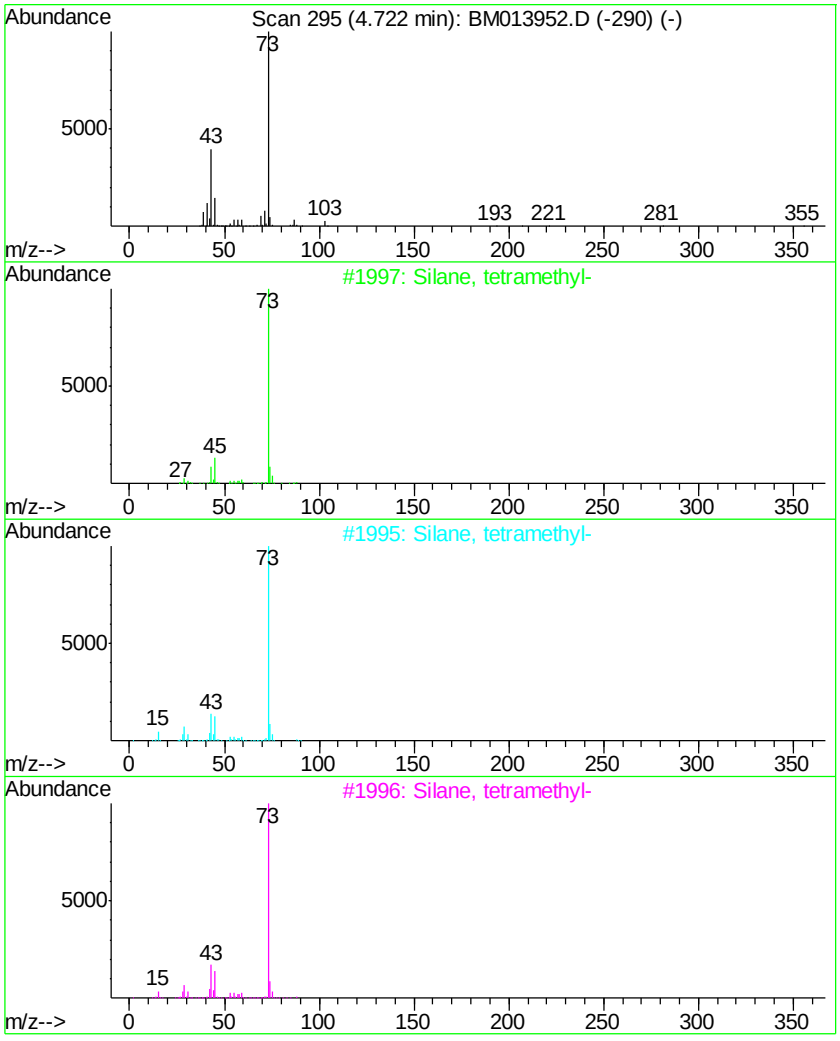
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

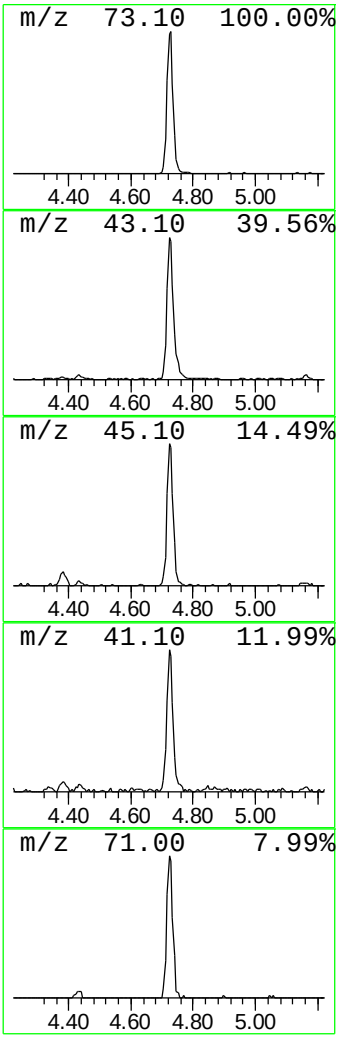
**********

Peak Number 1 unknown-01 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.72 | 11.67 ng/ul | 699296 | 1,4-Dichlorobenzene-d4 | 7.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 47 |
| 2 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 38 |
| 3 | Silane, tetramethyl- | 88 | C4H12Si | 000075-76-3 | 38 |
| 4 | 1,3-Dioxolane, 2-(6-heptynyl)- | 168 | C10H16O2 | 025595-82-8 | 37 |
| 5 | 2-Hydroxy-2-methylbutyric acid | 118 | C5H10O3 | 003739-30-8 | 28 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

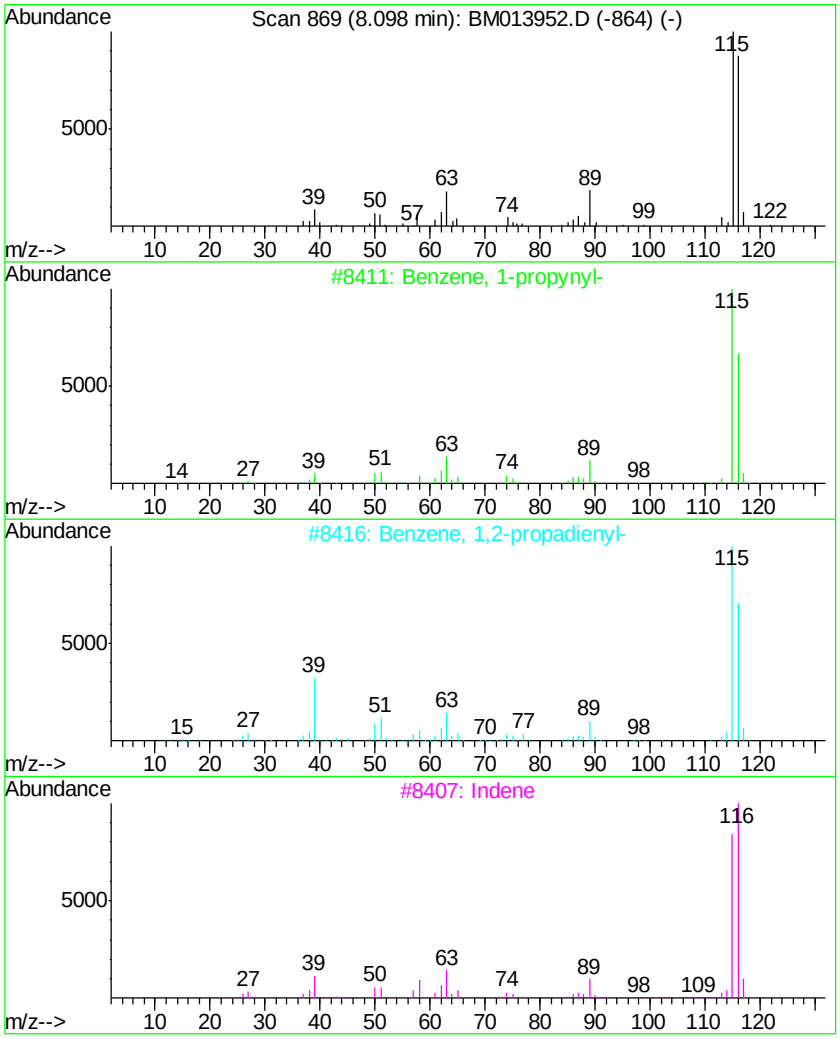
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

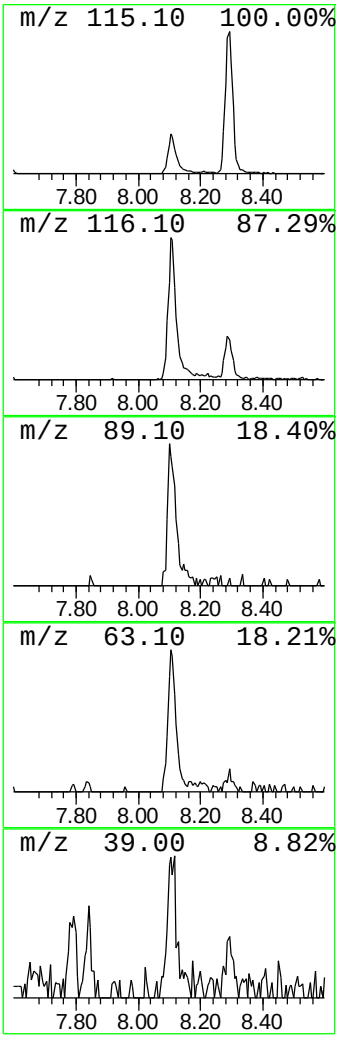
**********

Peak Number 2 Benzene, 1-propynyl- Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.10 | 5.79 ng/ul | 346661 | 1,4-Dichlorobenzene-d4 | 7.57 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 95 |
| 2 | Benzene, 1,2-propadienyl- | 116 | C9H8 | 002327-99-3 | 91 |
| 3 | Indene | 116 | C9H8 | 000095-13-6 | 91 |
| 4 | 3-Methylphenylacetylene | 116 | C9H8 | 000766-82-5 | 91 |
| 5 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 87 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

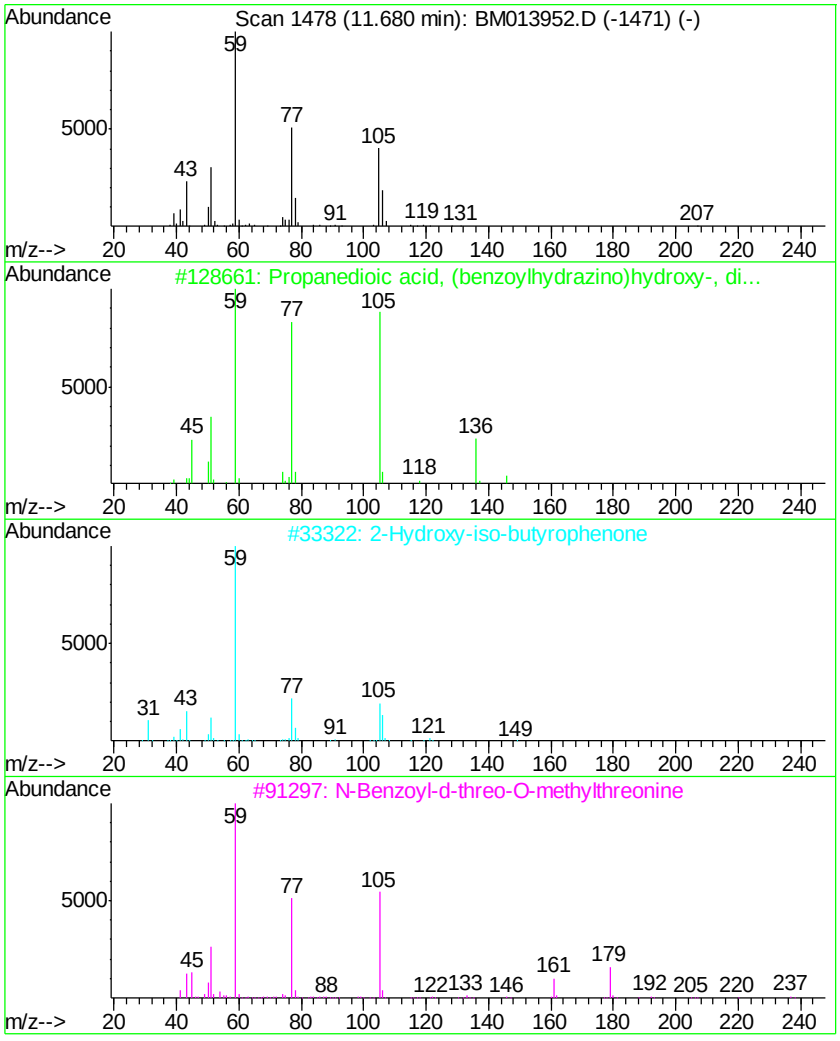
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

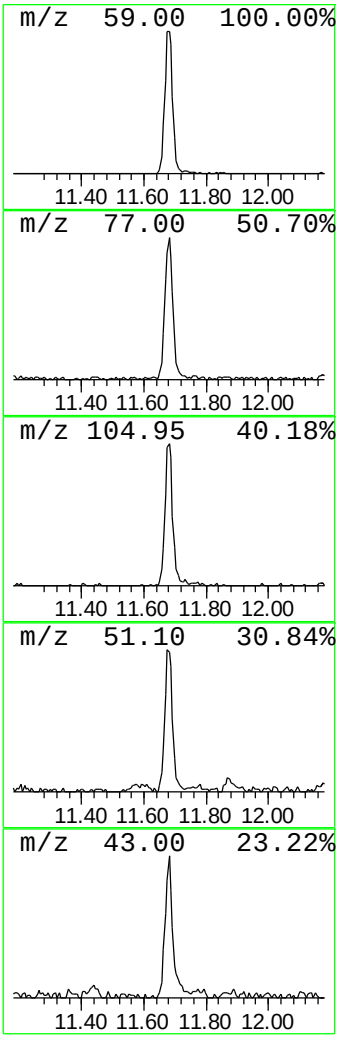
**********

Peak Number 3 Propanedioic acid, (benzoyl... Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.68 | 5.87 ng/ul | 461418 | Naphthalene-d8 | 10.35 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanedioic acid, (benzoylhydra... | 282 | C12H14N2O6 | 1000142-99-9 | 78 |
| 2 | 2-Hydroxy-iso-butyrophenone | 164 | C10H12O2 | 007473-98-5 | 59 |
| 3 | N-Benzoyl-d-threo-O-methylthreonine | 237 | C12H15NO4 | 131644-54-7 | 40 |
| 4 | Ethanone, 2-amino-1-phenyl- | 135 | C8H9NO | 000613-89-8 | 38 |
| 5 | 5,5'-Dithiobis[4-phenylsulfonyl-... | 658 | C32H26N4O4S4 | 303024-59-1 | 25 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

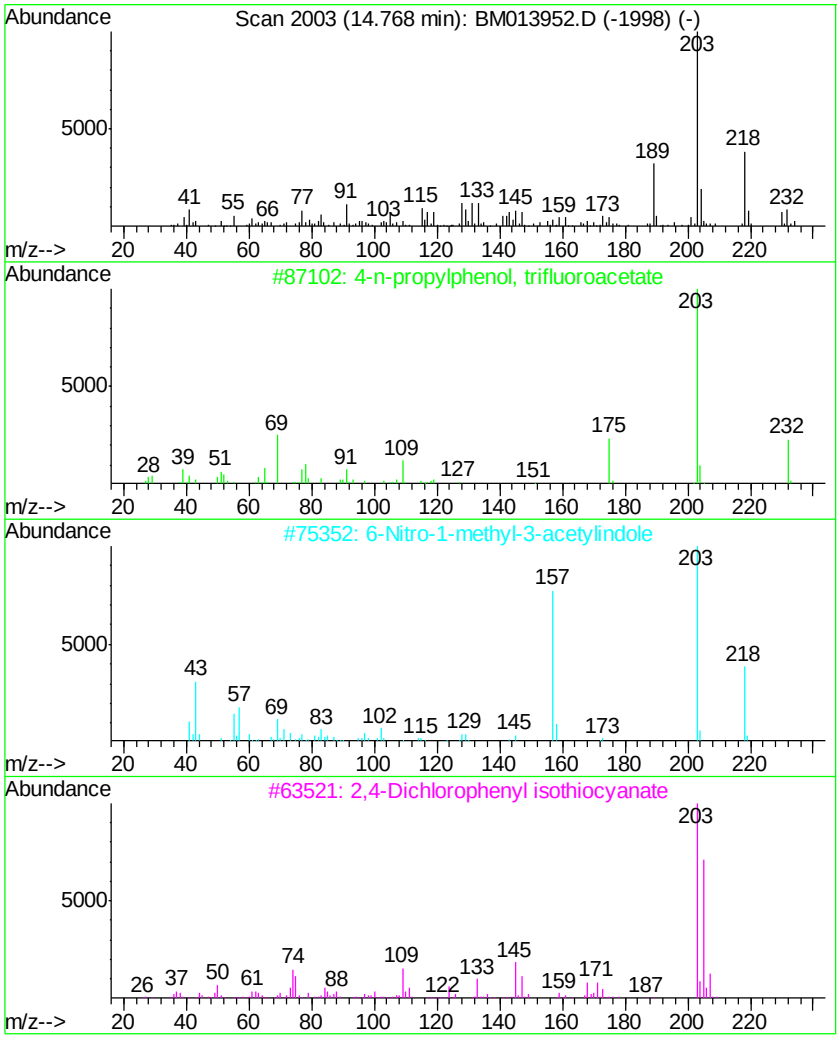
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

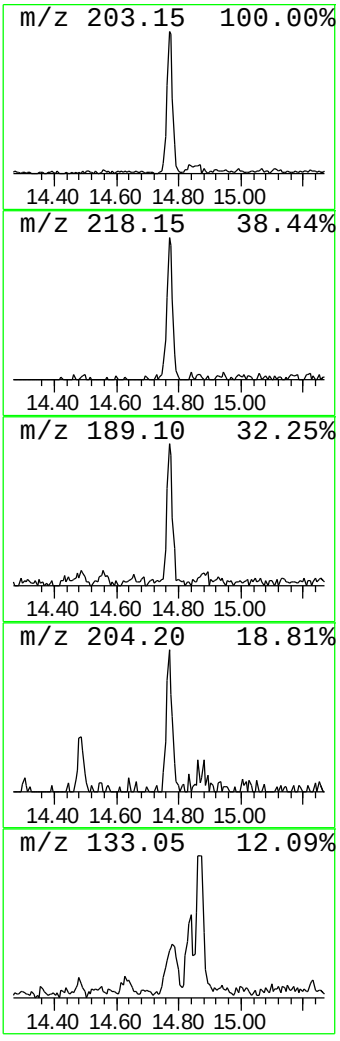
**********

Peak Number 4 unknown-02 Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.77 | 4.99 ng/ul | 505857 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-n-propylphenol, trifluoroacetate | 232 | C11H11F3O2 | 1000376-50-0 | 46 |
| 2 | 6-Nitro-1-methyl-3-acetylindole | 218 | C11H10N2O3 | 036710-25-5 | 46 |
| 3 | 2,4-Dichlorophenyl isothiocyanate | 203 | C7H3Cl2NS | 006590-96-1 | 38 |
| 4 | Methyl 1,2-dihydro-2-oxoquinolin... | 203 | C11H9NO3 | 039497-01-3 | 38 |
| 5 | p-Heptylacetophenone | 218 | C15H22O | 037593-03-6 | 38 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

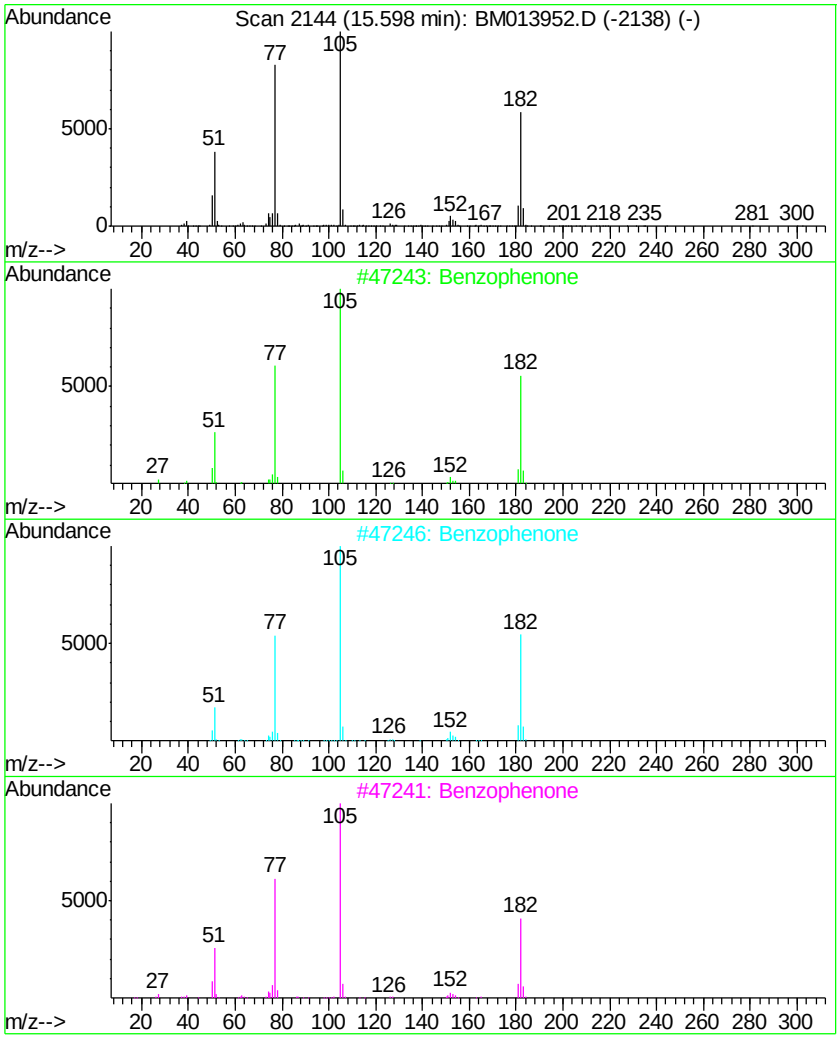
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

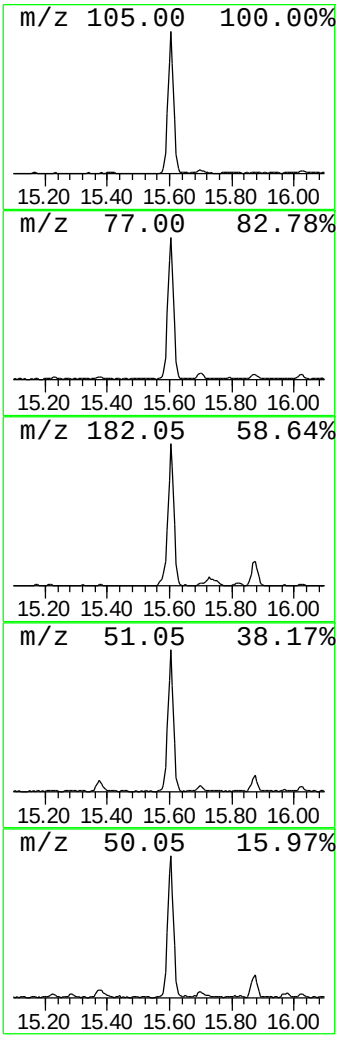
**********

Peak Number 5 Benzophenone Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.60 | 25.44 ng/ul | 2578110 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzophenone | 182 | C13H10O | 000119-61-9 | 97 |
| 2 | Benzophenone | 182 | C13H10O | 000119-61-9 | 97 |
| 3 | Benzophenone | 182 | C13H10O | 000119-61-9 | 94 |
| 4 | Benzophenone | 182 | C13H10O | 000119-61-9 | 93 |
| 5 | Benzophenone | 182 | C13H10O | 000119-61-9 | 91 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

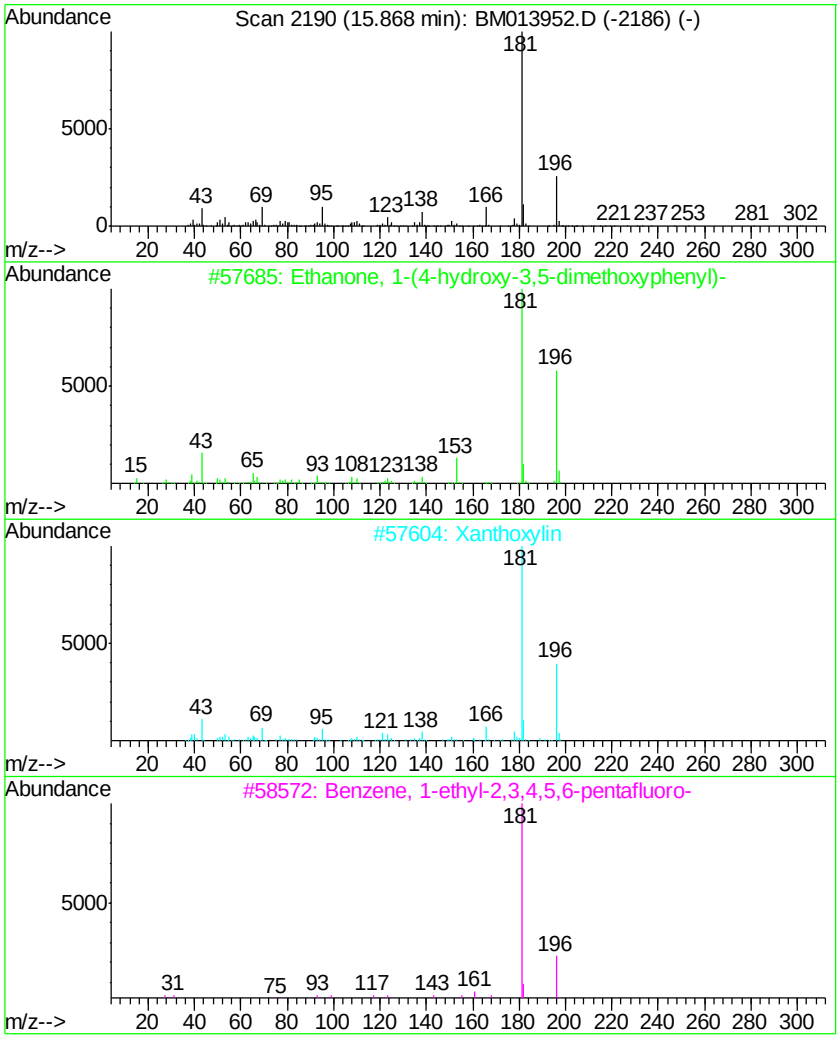
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

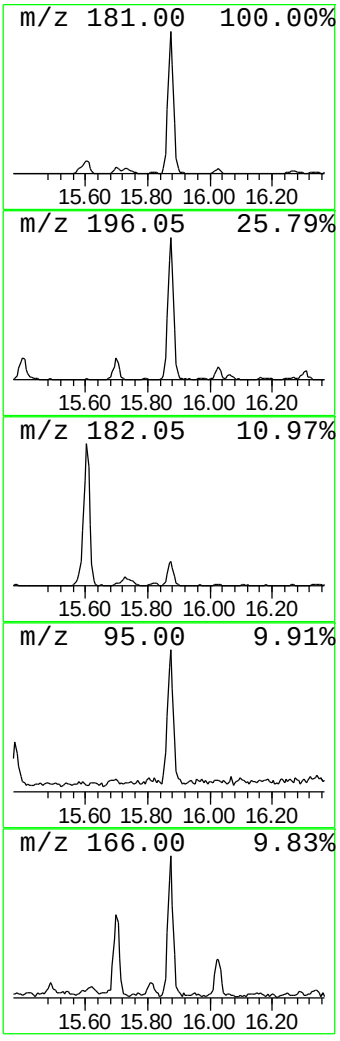
**********

Peak Number 7 Ethanone, 1-(4-hydroxy-3,5-... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.87 | 21.22 ng/ul | 1894010 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanone, 1-(4-hydroxy-3,5-dimet... | 196 | C10H12O4 | 002478-38-8 | 74 |
| 2 | Xanthoxylin | 196 | C10H12O4 | 000090-24-4 | 70 |
| 3 | Benzene, 1-ethyl-2,3,4,5,6-penta... | 196 | C8H5F5 | 002251-81-2 | 59 |
| 4 | 1,2-Dimethoxy-4-(1,2-dimethoxyet... | 226 | C12H18O4 | 1000333-50-1 | 53 |
| 5 | Silane, (4-methoxyphenoxy)trimet... | 196 | C10H16O2Si | 006689-38-9 | 50 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

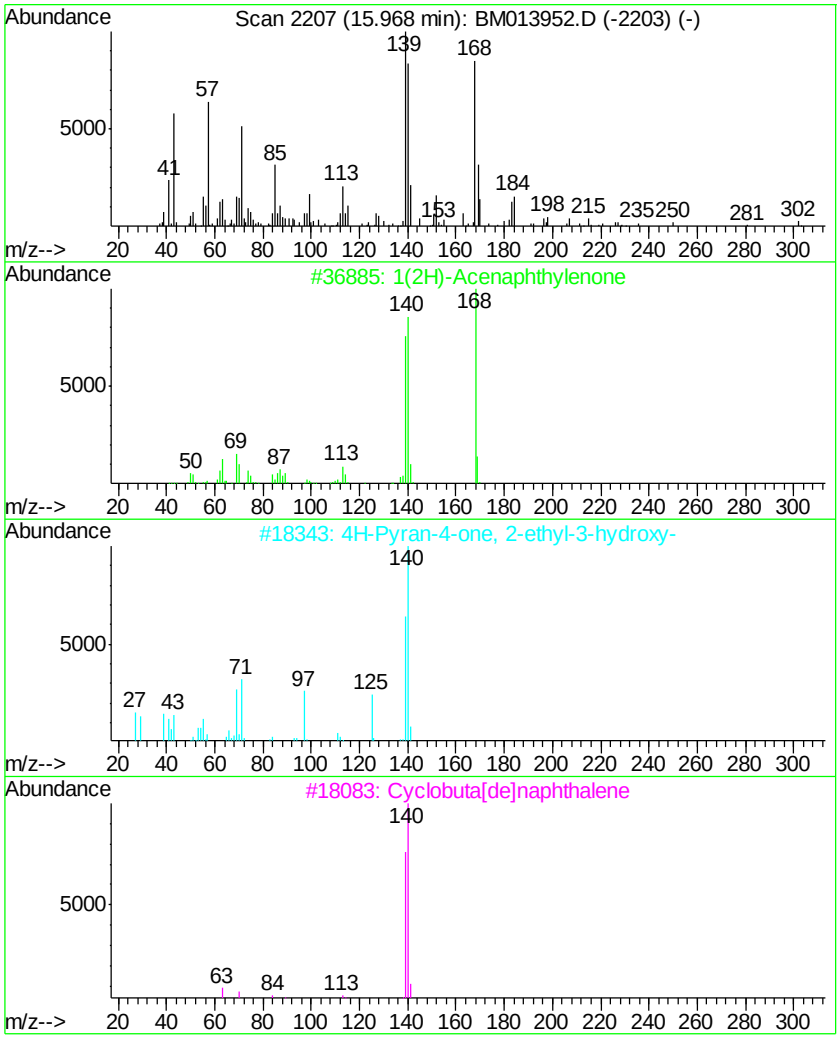
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

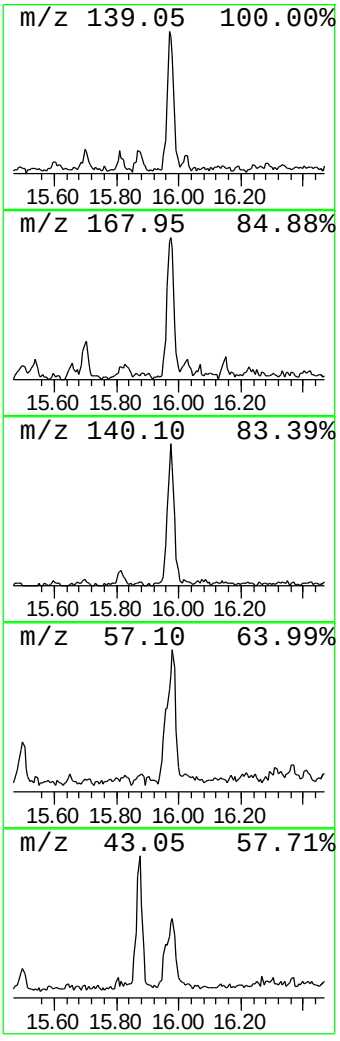
**********

Peak Number 8 1(2H)-Acenaphthylenone Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.97 | 5.73 ng/ul | 511264 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1(2H)-Acenaphthylenone | 168 | C12H8O | 002235-15-6 | 90 |
| 2 | 4H-Pyran-4-one, 2-ethyl-3-hydroxy- | 140 | C7H8O3 | 004940-11-8 | 38 |
| 3 | Cyclobuta[de]naphthalene | 140 | C11H8 | 024973-91-9 | 38 |
| 4 | Dibenzofuran | 168 | C12H8O | 000132-64-9 | 30 |
| 5 | Benzaldehyde, 4-fluoro-3-hydroxy- | 140 | C7H5FO2 | 103438-85-3 | 25 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

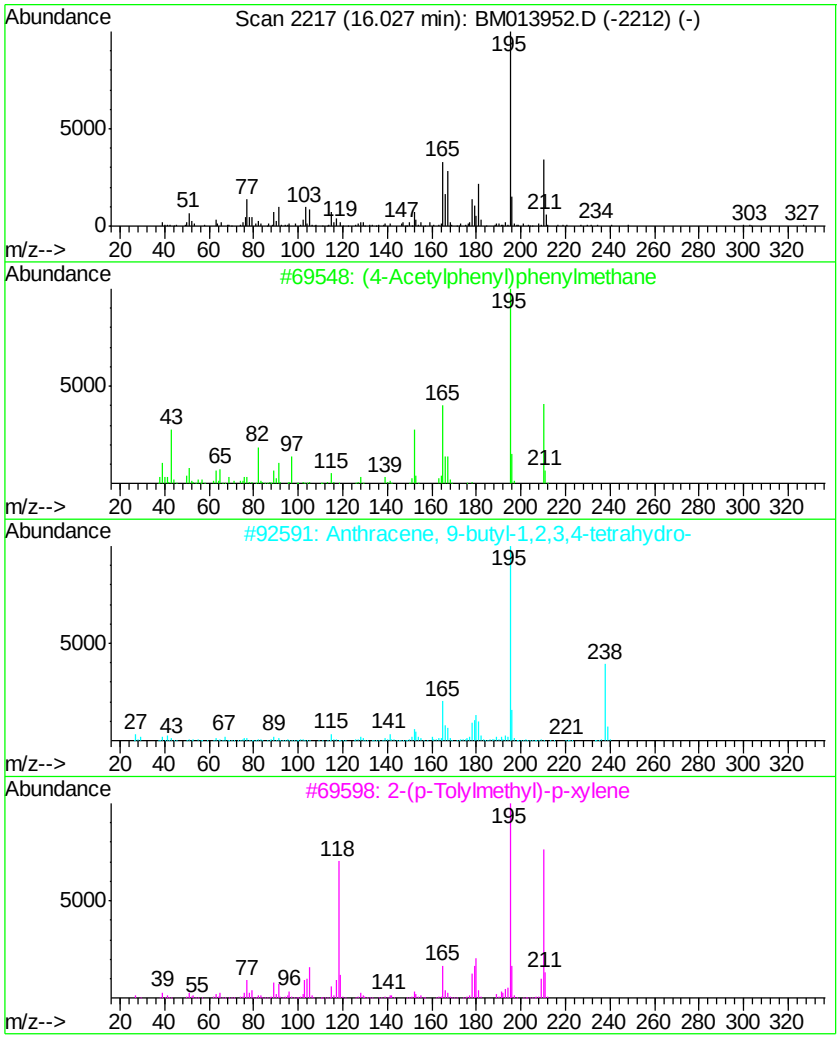
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

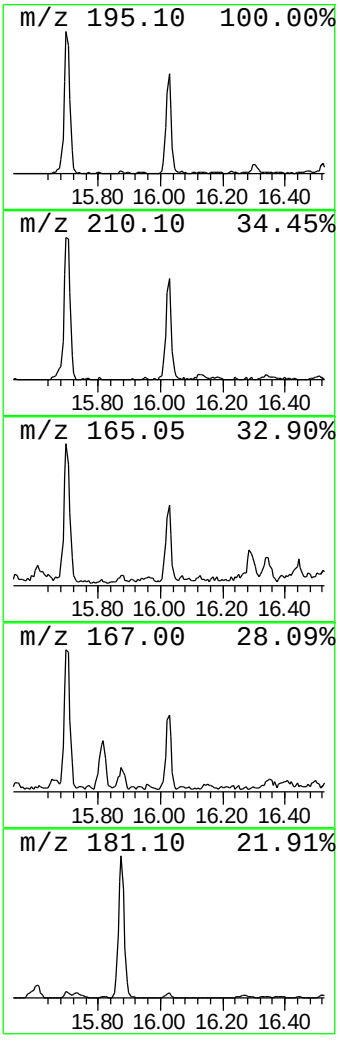
**********

Peak Number 9 (4-Acetylphenyl)phenylmethane Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.03 | 4.97 ng/ul | 443243 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (4-Acetylphenyl)phenylmethane | 210 | C15H14O | 000782-92-3 | 70 |
| 2 | Anthracene, 9-butyl-1,2,3,4-tetr... | 238 | C18H22 | 1000151-39-2 | 50 |
| 3 | 2-(p-Tolylmethyl)-p-xylene | 210 | C16H18 | 000721-45-9 | 50 |
| 4 | 9H-Carbazol-3-amine, 9-ethyl- | 210 | C14H14N2 | 000132-32-1 | 50 |
| 5 | 2-Amino-6,7-dimethyl-5,6,7,8-tet... | 195 | C8H13N5O | 1000239-36-2 | 50 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

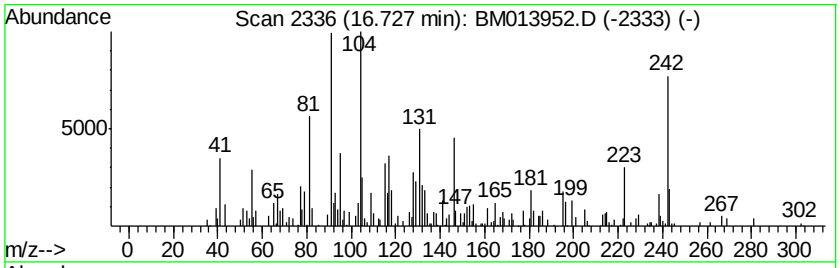
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

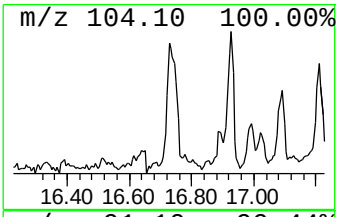
**********

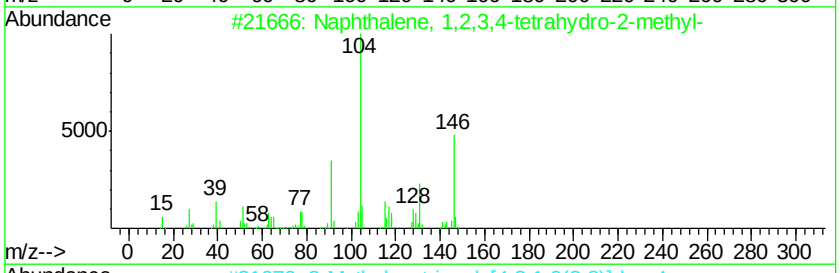
Peak Number 10 unknown-03 Concentration Rank 19

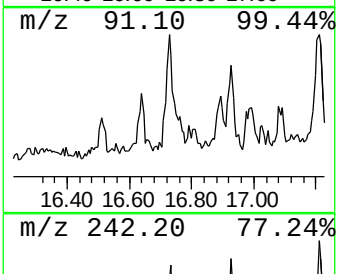
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.73 | 6.56 ng/ul | 585322 | Phenanthrene-d10 | 16.99 |

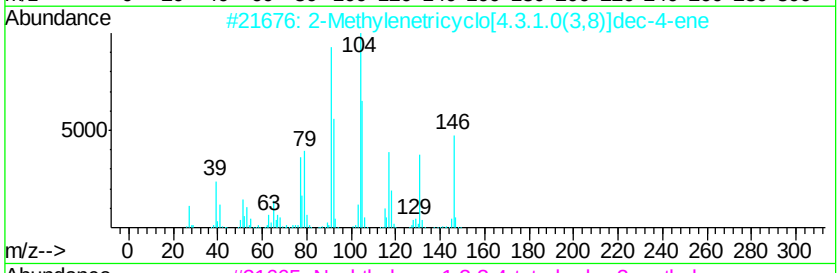
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 45 |
| 2 | 2-Methylenetricyclo[4.3.1.0(3,8)... | 146 | C11H14 | 033566-64-2 | 45 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 27 |
| 4 | Naphth[1,2-b]oxirene, 1a,2,3,7b-... | 146 | C10H10O | 002461-34-9 | 25 |
| 5 | 2(1H)-Naphthalenone, 3,4-dihydro- | 146 | C10H10O | 000530-93-8 | 25 |

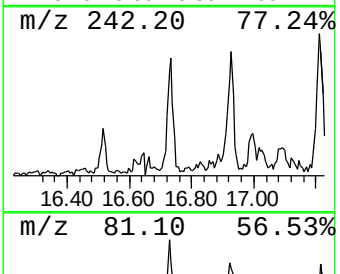


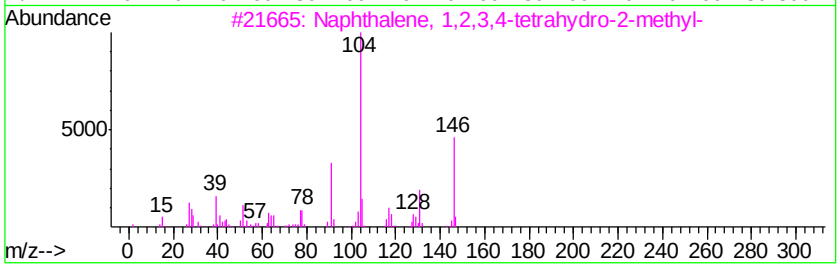



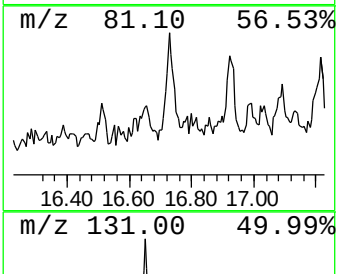



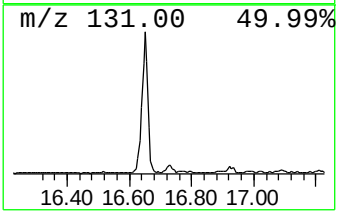



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

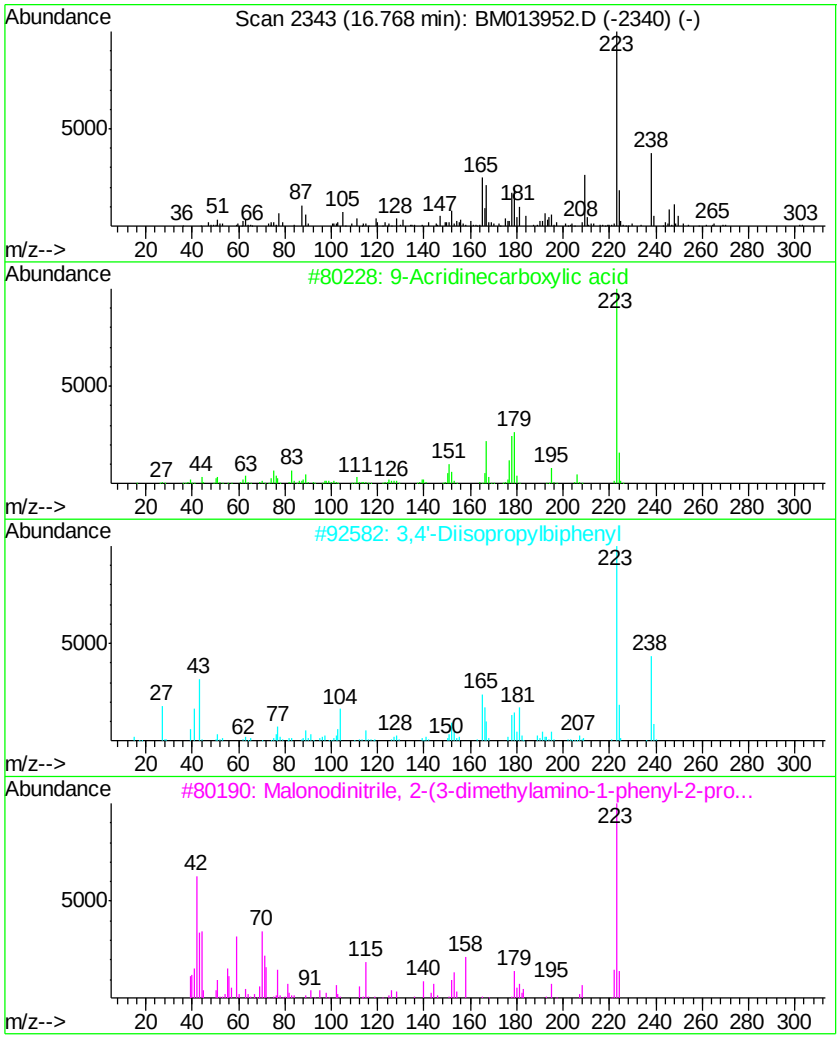
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

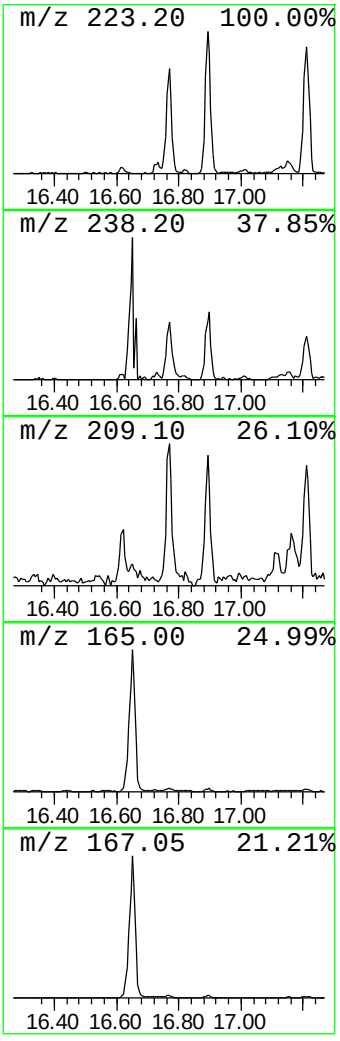
**********

Peak Number 11 9-Acridinecarboxylic acid Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.77 | 5.61 ng/ul | 500781 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9-Acridinecarboxylic acid | 223 | C14H9NO2 | 005336-90-3 | 60 |
| 2 | 3,4'-Diisopropylbiphenyl | 238 | C18H22 | 061434-46-6 | 58 |
| 3 | Malonodinitrile, 2-(3-dimethylam... | 223 | C14H13N3 | 065996-13-6 | 50 |
| 4 | 4,4'-Diisopropylbiphenyl | 238 | C18H22 | 018970-30-4 | 49 |
| 5 | 10,18-Bisnorabieta-5,7,9(10),11,... | 238 | C18H22 | 006566-19-4 | 49 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

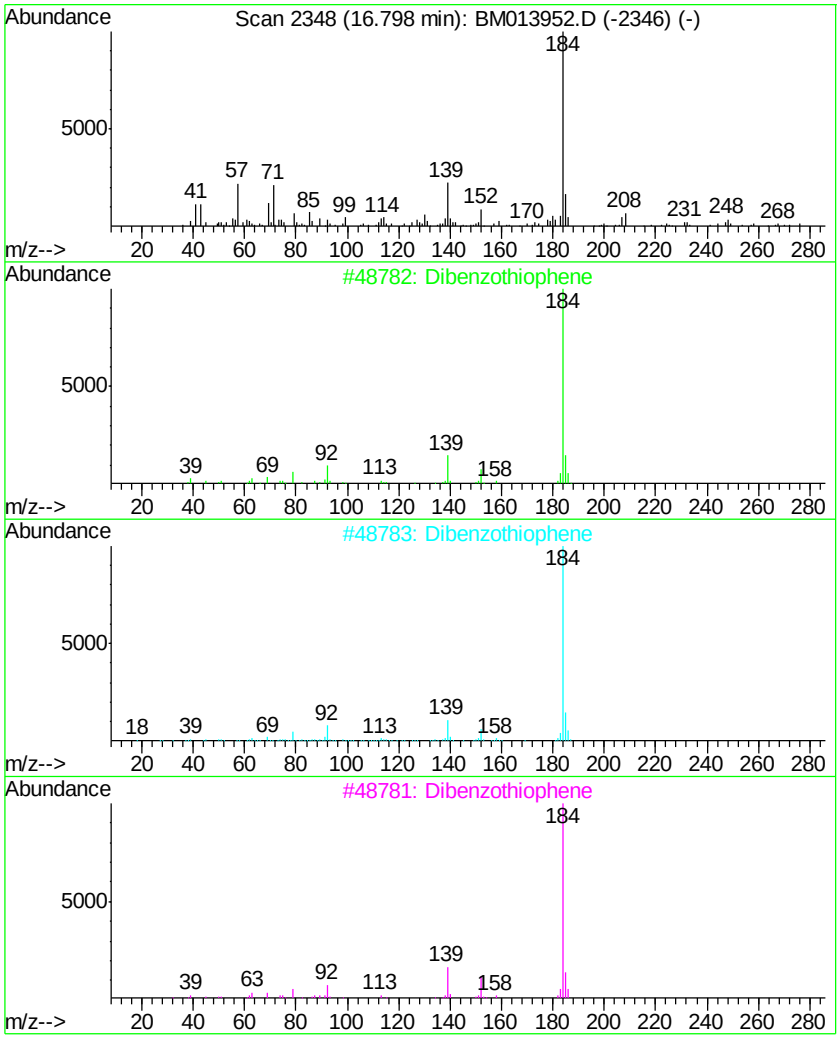
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

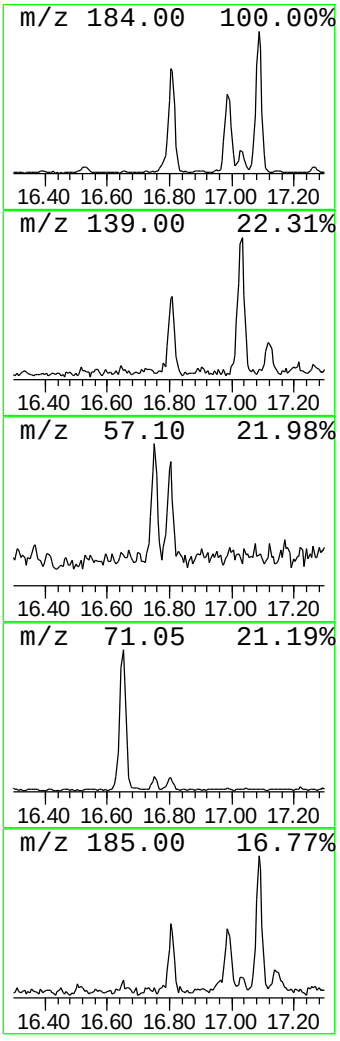
**********

Peak Number 12 Dibenzothiophene Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.80 | 5.88 ng/ul | 525117 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 91 |
| 2 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 90 |
| 3 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 86 |
| 4 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 86 |
| 5 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 86 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

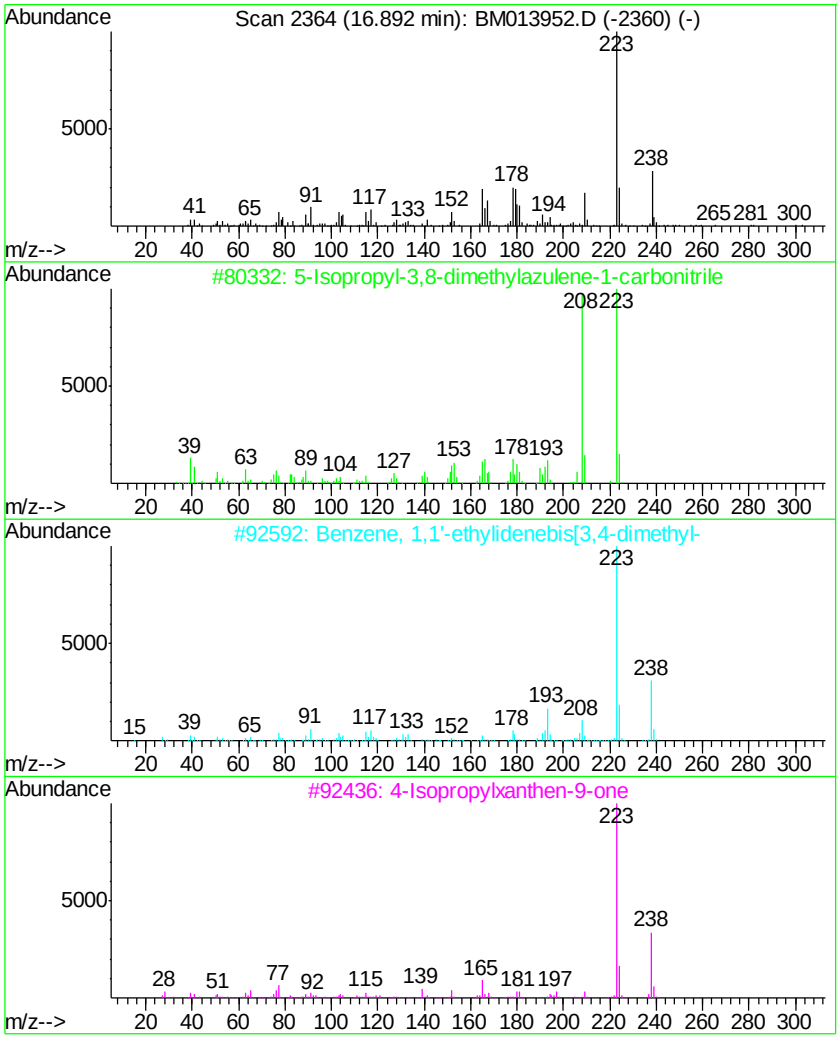
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

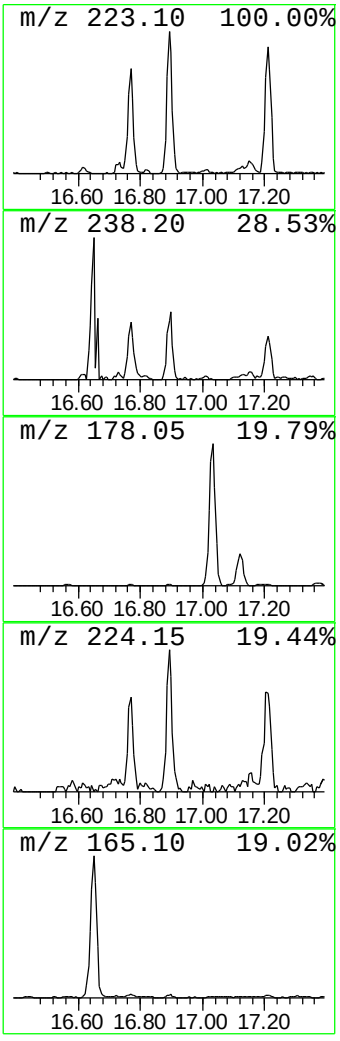
**********

Peak Number 13 5-Isopropyl-3,8-dimethylazu... Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.89 | 5.31 ng/ul | 473891 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5-Isopropyl-3,8-dimethylazulene-... | 223 | C16H17N | 093007-54-6 | 64 |
| 2 | Benzene, 1,1'-ethylidenebis[3,4-... | 238 | C18H22 | 001742-14-9 | 64 |
| 3 | 4-Isopropylxanthen-9-one | 238 | C16H14O2 | 1000210-33-1 | 53 |
| 4 | 4-tert-Butyl-benzophenone | 238 | C17H18O | 022679-54-5 | 50 |
| 5 | Benzenamine, N,N-dimethyl-4-(2-p... | 223 | C16H17N | 001145-73-9 | 50 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

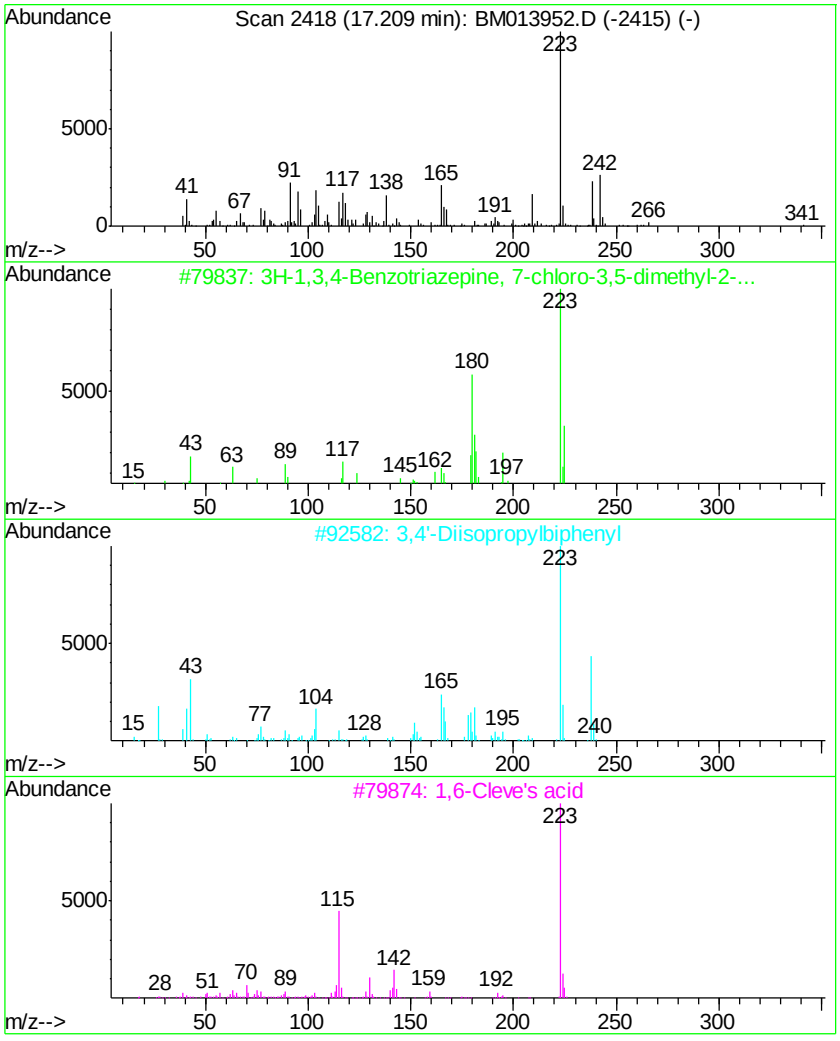
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

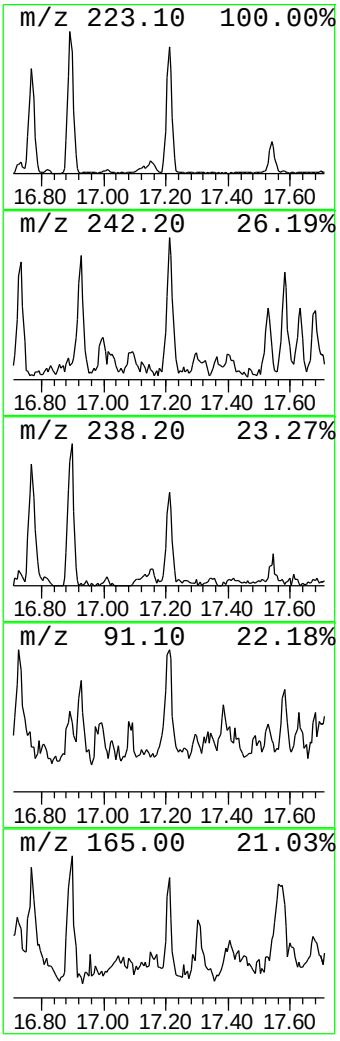
**********

Peak Number 14 unknown-04 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.21 | 7.94 ng/ul | 708546 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3H-1,3,4-Benzotriazepine, 7-chlo... | 223 | C10H10ClN3O | 105999-06-2 | 38 |
| 2 | 3,4'-Diisopropylbiphenyl | 238 | C18H22 | 061434-46-6 | 35 |
| 3 | 1,6-Cleve's acid | 223 | C10H9NO3S | 000119-79-9 | 35 |
| 4 | Anthracene, 9,10-dimethoxy- | 238 | C16H14O2 | 002395-97-3 | 32 |
| 5 | 4-Isopropylxanthen-9-one | 238 | C16H14O2 | 1000210-33-1 | 27 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

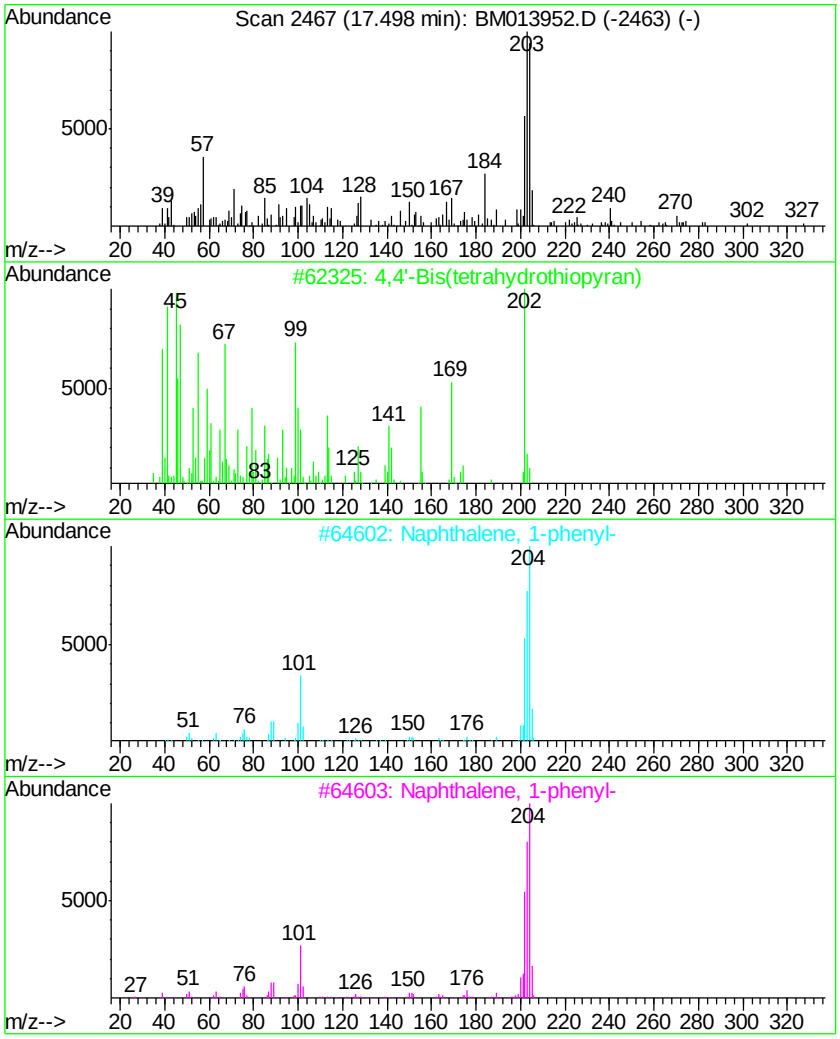
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

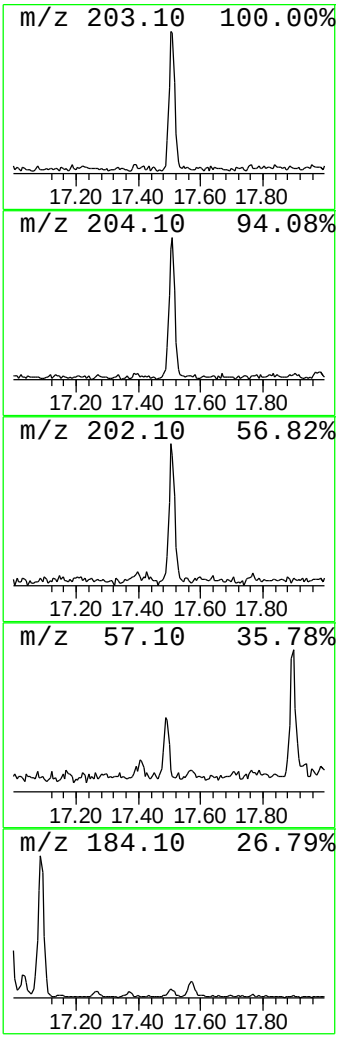
**********

Peak Number 15 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.50 | 6.10 ng/ul | 544574 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4,4'-Bis(tetrahydrothiopyran) | 202 | C10H18S2 | 116196-83-9 | 90 |
| 2 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 89 |
| 3 | Naphthalene, 1-phenyl- | 204 | C16H12 | 000605-02-7 | 76 |
| 4 | Dibenzo[a,e]cyclooctene | 204 | C16H12 | 000262-89-5 | 76 |
| 5 | Anthracene, 9-ethenyl- | 204 | C16H12 | 002444-68-0 | 76 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

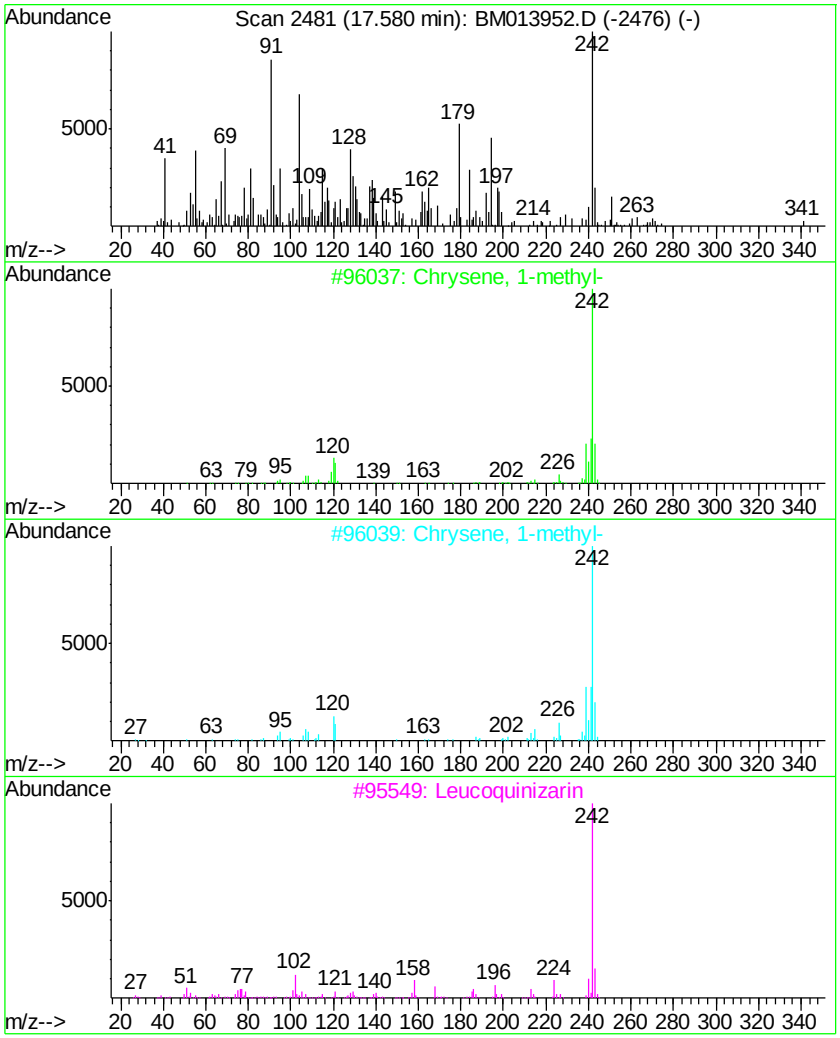
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

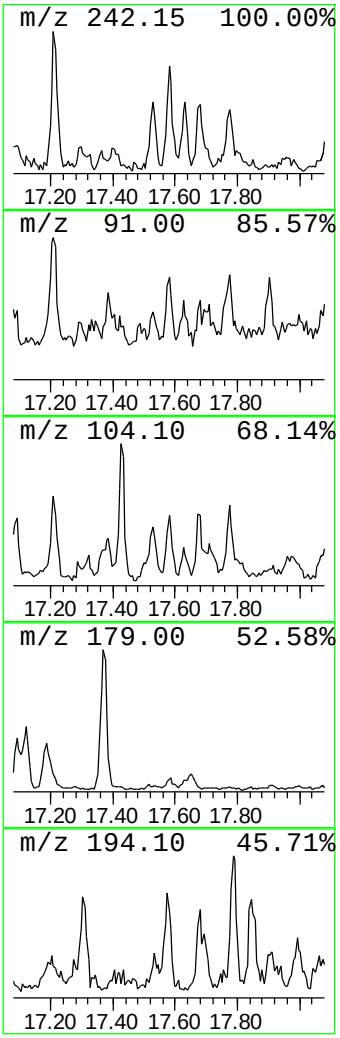
**********

Peak Number 16 unknown-05 Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.58 | 4.54 ng/ul | 405274 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Chrysene, 1-methyl- | 242 | C19H14 | 003351-28-8 | 38 |
| 2 | Chrysene, 1-methyl- | 242 | C19H14 | 003351-28-8 | 38 |
| 3 | Leucoquinizarin | 242 | C14H10O4 | 000476-60-8 | 30 |
| 4 | Benz[a]anthracene, 5-methyl- | 242 | C19H14 | 002319-96-2 | 30 |
| 5 | Benz[a]anthracene, 7-methyl- | 242 | C19H14 | 002541-69-7 | 30 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

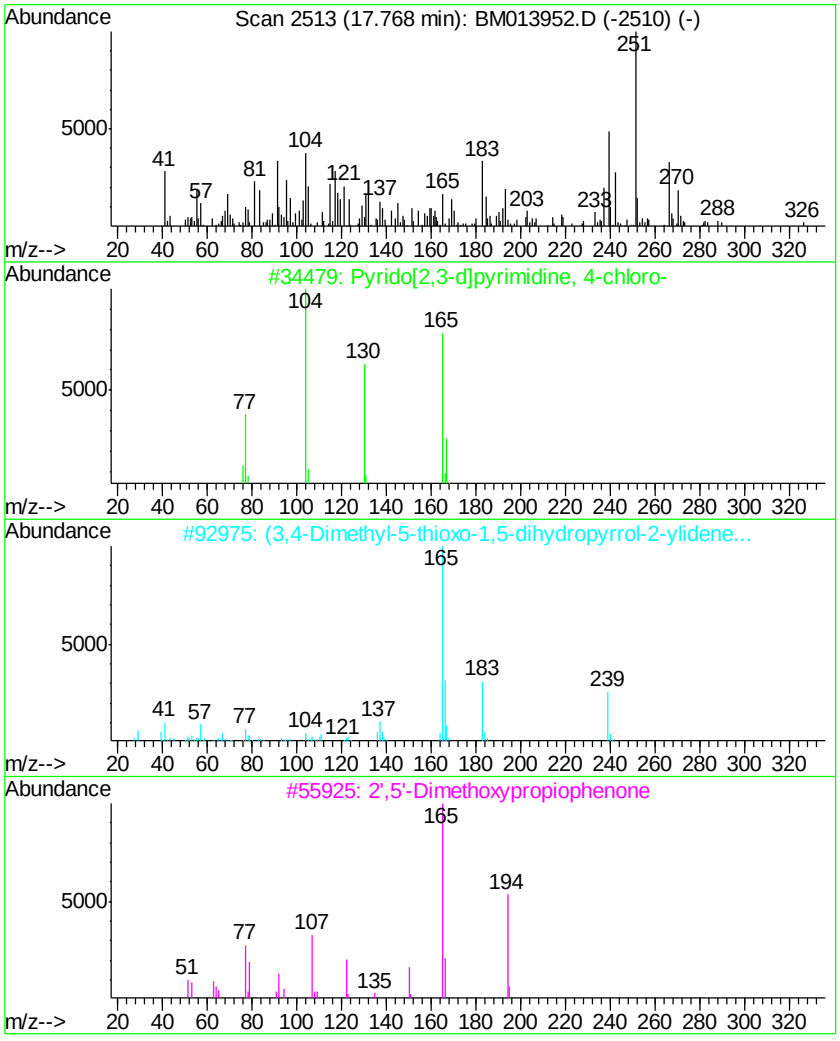
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

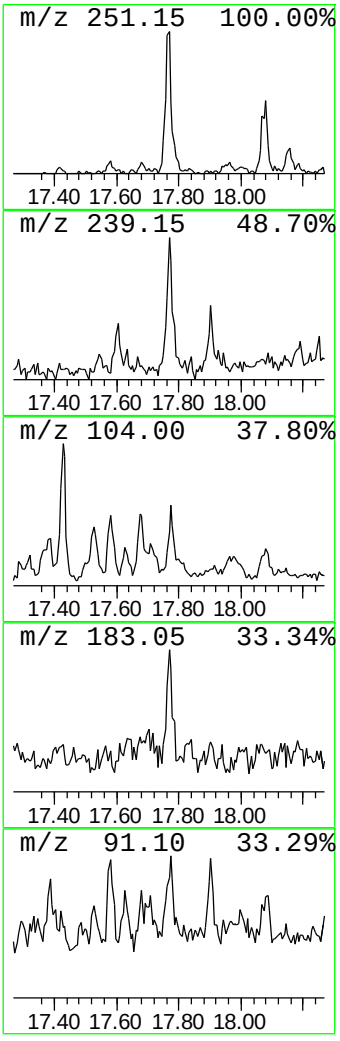
**********

Peak Number 17 unknown-06 Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.77 | 6.04 ng/ul | 539274 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrido[2,3-d]pyrimidine, 4-chloro- | 165 | C7H4ClN3 | 028732-79-8 | 25 |
| 2 | (3,4-Dimethyl-5-thioxo-1,5-dihyd... | 239 | C12H17NO2S | 1000193-21-3 | 18 |
| 3 | 2',5'-Dimethoxypropiophenone | 194 | C11H14O3 | 005803-30-5 | 15 |
| 4 | Benzene, 4-hexenyl- | 160 | C12H16 | 023086-43-3 | 11 |
| 5 | Benzoic acid, 2-hydroxy-3-nitro- | 183 | C7H5NO5 | 000085-38-1 | 11 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

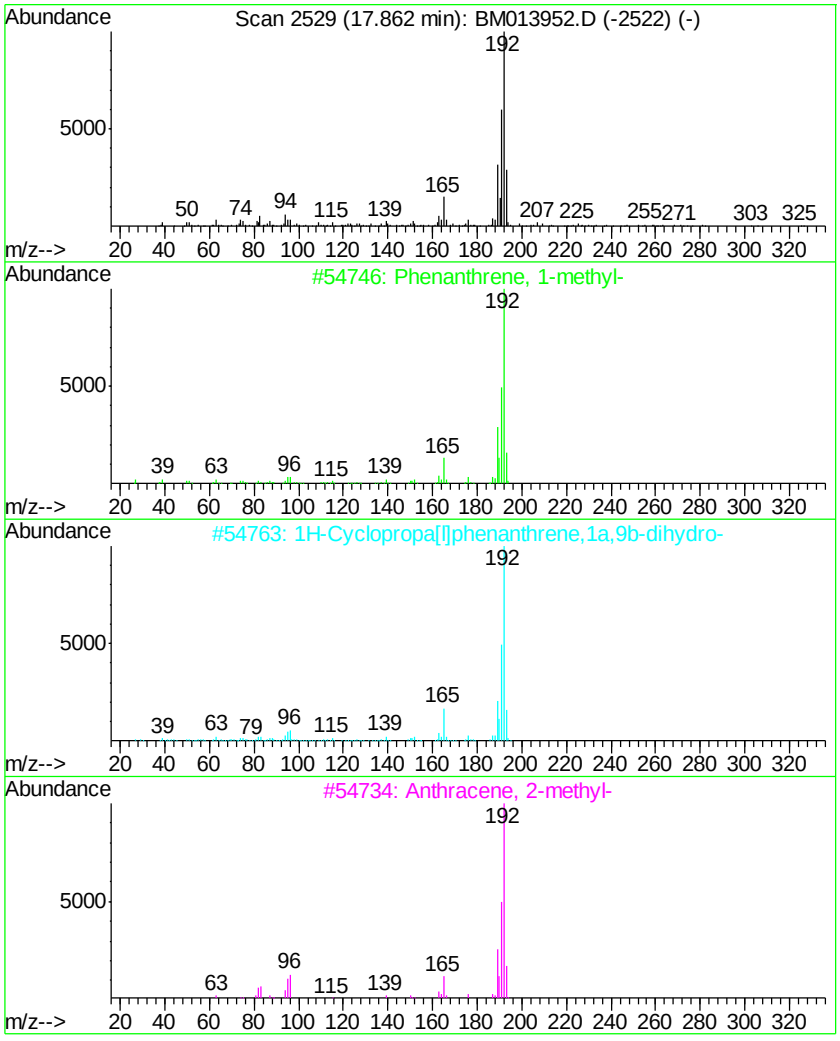
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

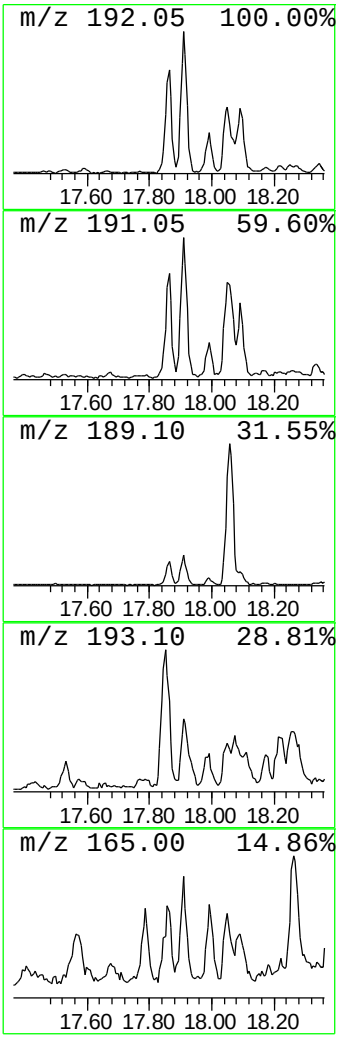
**********

Peak Number 18 Phenanthrene, 1-methyl- Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.86 | 8.76 ng/ul | 781919 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 2 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 94 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 94 |
| 4 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 93 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 91 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

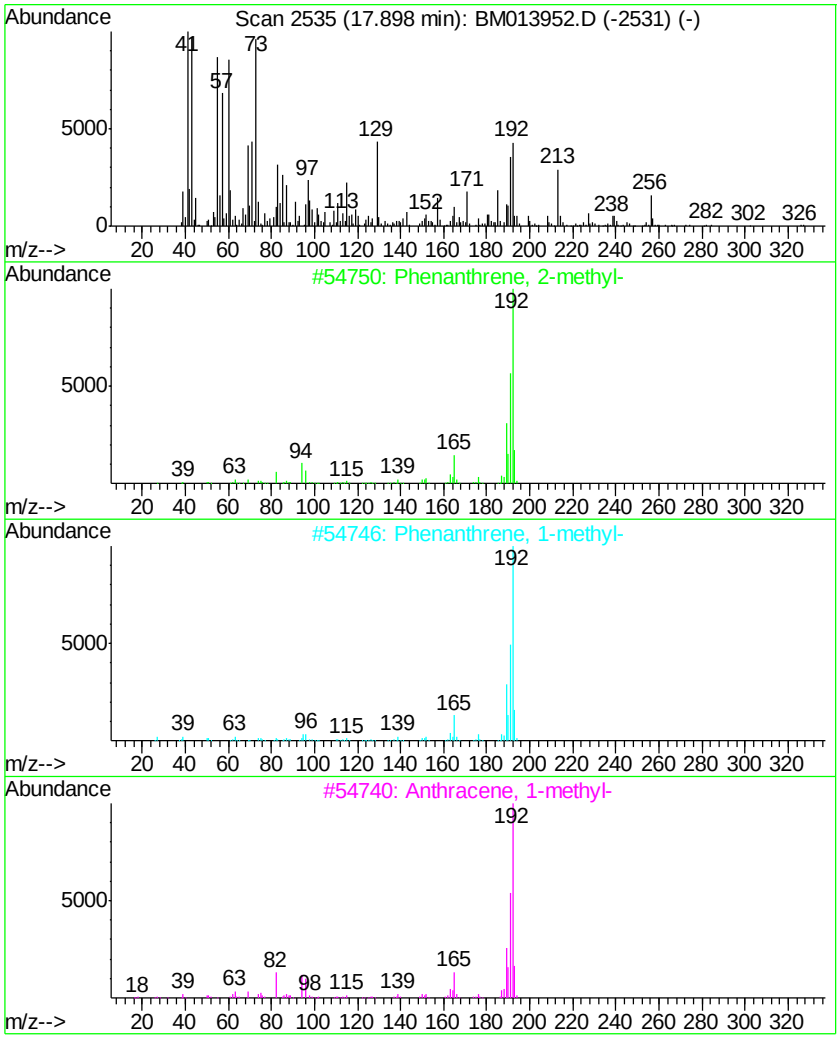
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

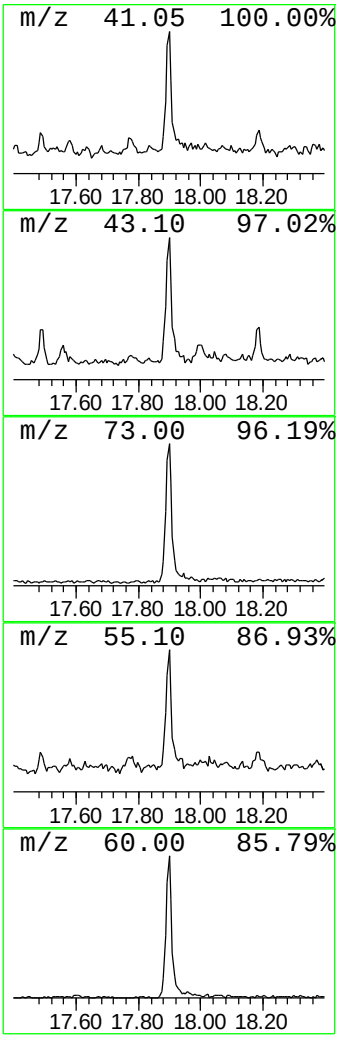
**********

Peak Number 19 Phenanthrene, 2-methyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.90 | 21.36 ng/ul | 1906160 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 92 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 92 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 90 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 83 |
| 5 | Naphtho[2,3-b]norbornadiene | 192 | C15H12 | 107426-38-0 | 83 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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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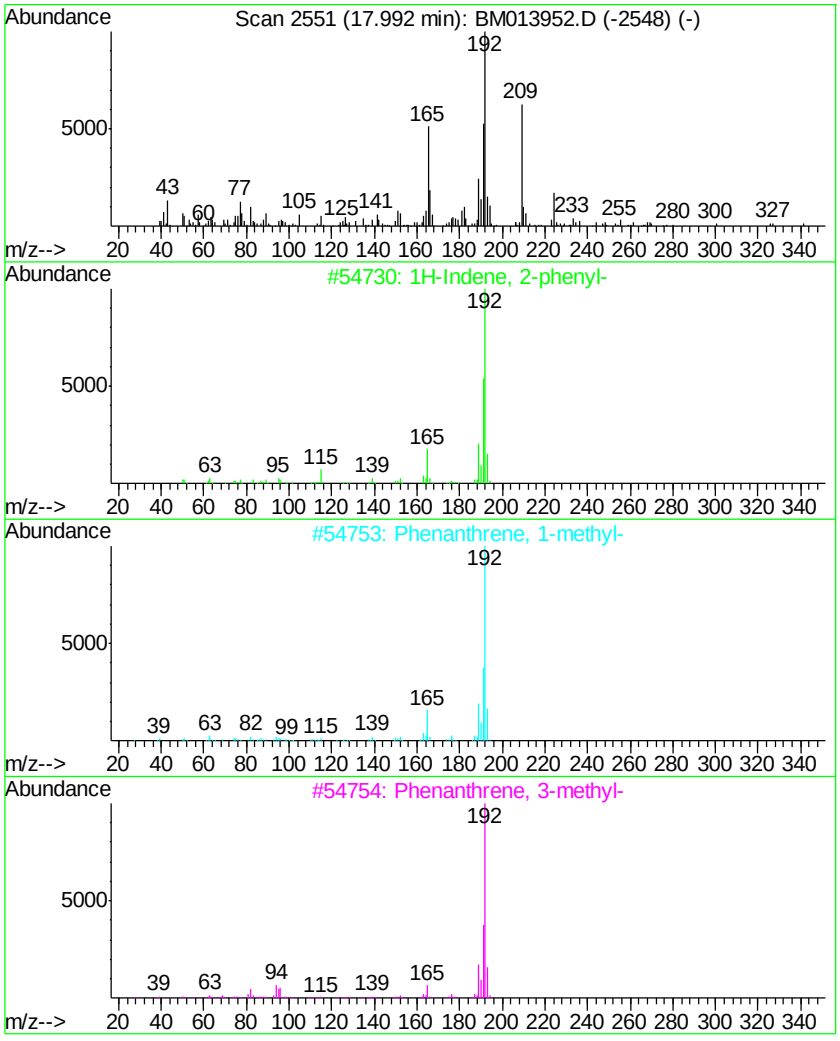
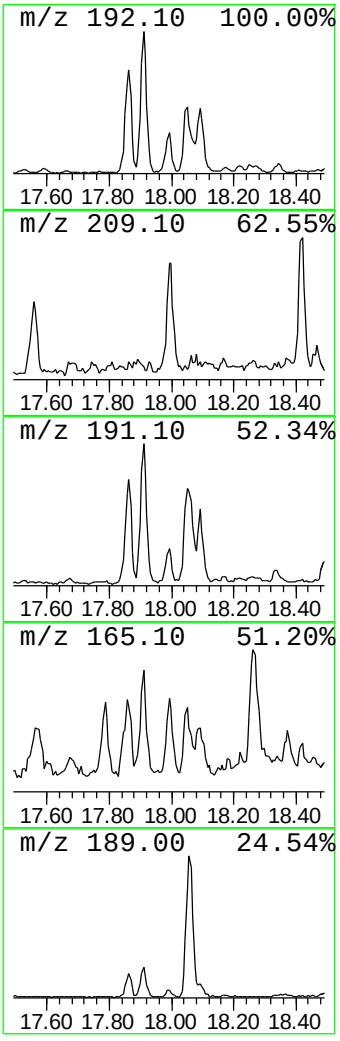
Peak Number 20 1H-Indene, 2-phenyl- Concentration Rank 35

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.99 | 4.43 ng/ul | 395372 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 60 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 60 |
| 3 | Phenanthrene, 3-methyl- | 192 | C15H12 | 000832-71-3 | 53 |
| 4 | Naphtho[2,3-b]norbornadiene | 192 | C15H12 | 107426-38-0 | 53 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 53 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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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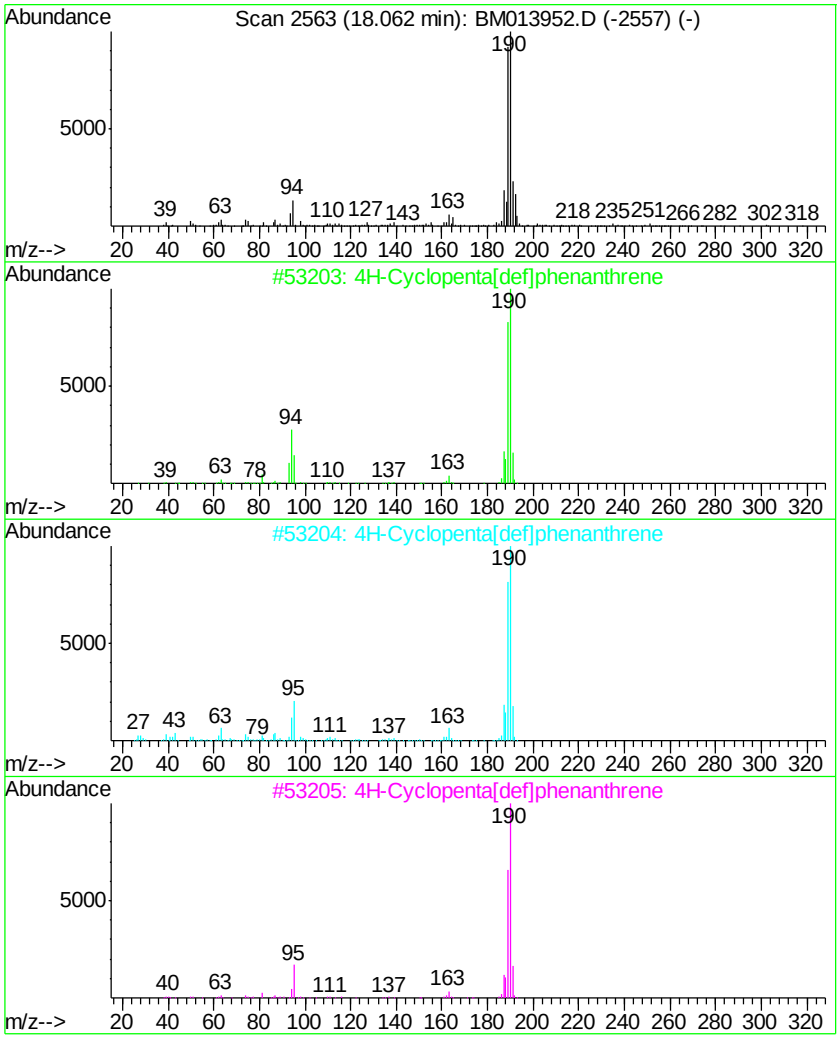
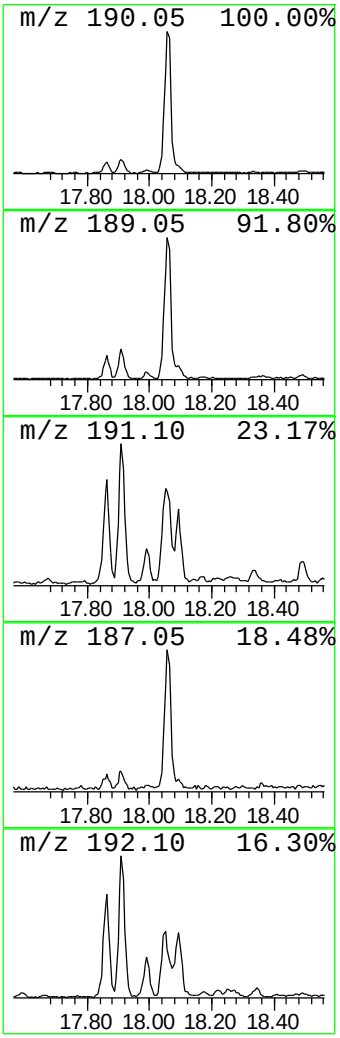
Peak Number 21 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.06 | 18.29 ng/ul | 1632190 | 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 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 64 |
| 5 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 55 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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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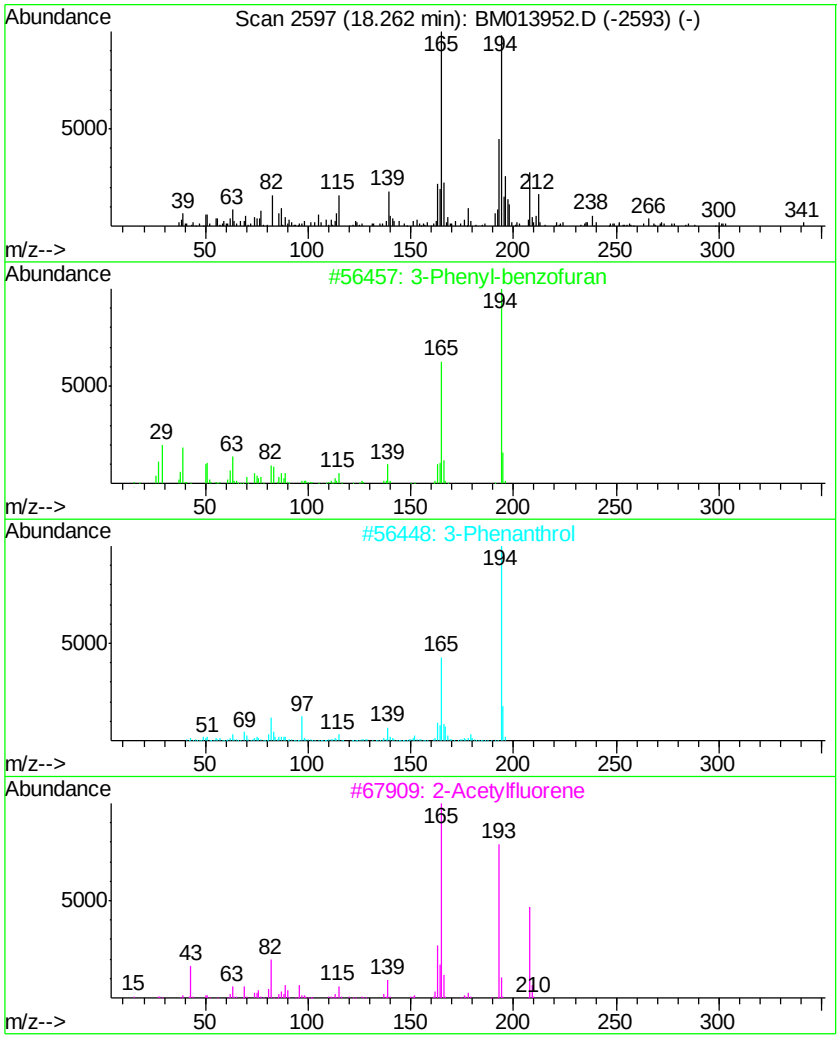
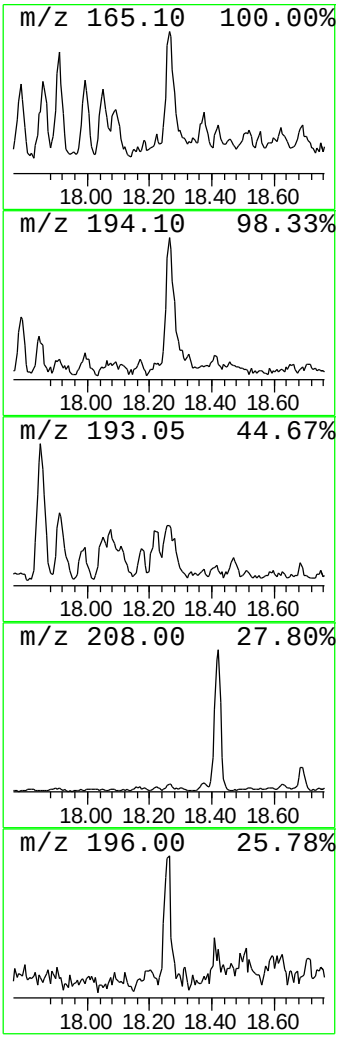
Peak Number 22 3-Phenyl-benzofuran Concentration Rank 37

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.26 | 4.18 ng/ul | 372730 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Phenyl-benzofuran | 194 | C14H10O | 029909-72-6 | 70 |
| 2 | 3-Phenanthrol | 194 | C14H10O | 000605-87-8 | 64 |
| 3 | 2-Acetylfluorene | 208 | C15H12O | 000781-73-7 | 55 |
| 4 | Benzo[c]cinnoline, 4-methyl- | 194 | C13H10N2 | 019174-78-8 | 52 |
| 5 | Anthrone | 194 | C14H10O | 000090-44-8 | 49 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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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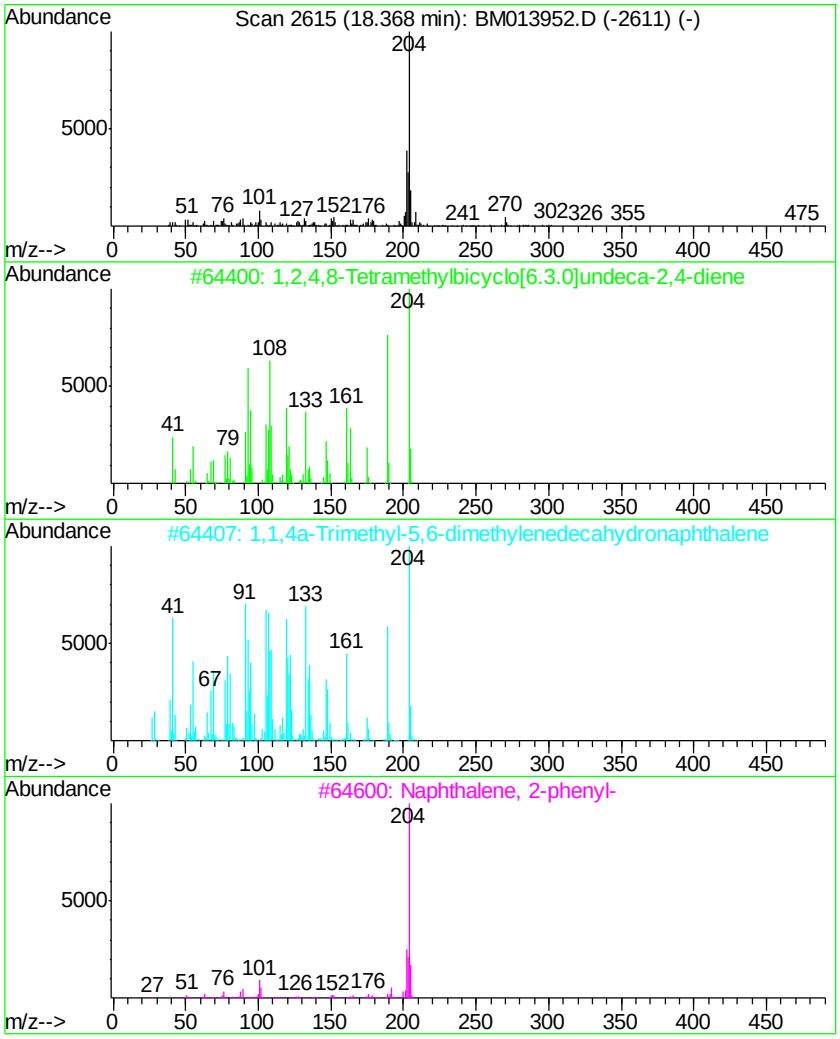
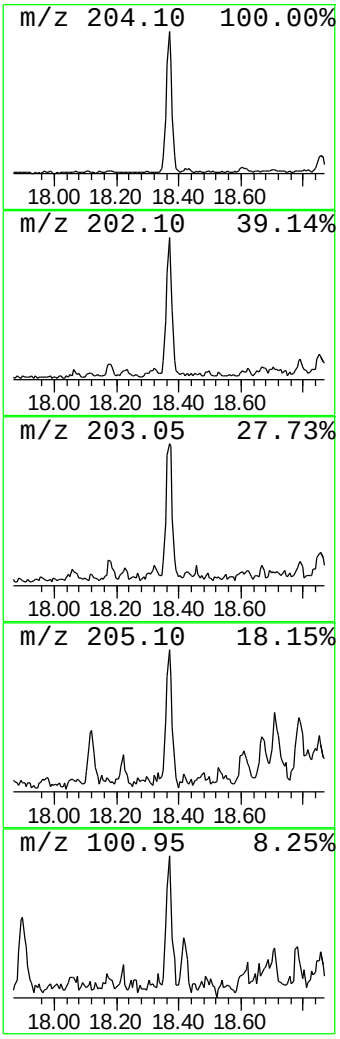
Peak Number 23 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.37 | 6.60 ng/ul | 589163 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 90 |
| 2 | 1,1,4a-Trimethyl-5,6-dimethylene... | 204 | C15H24 | 1000193-60-8 | 86 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 83 |
| 4 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 78 |
| 5 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 64 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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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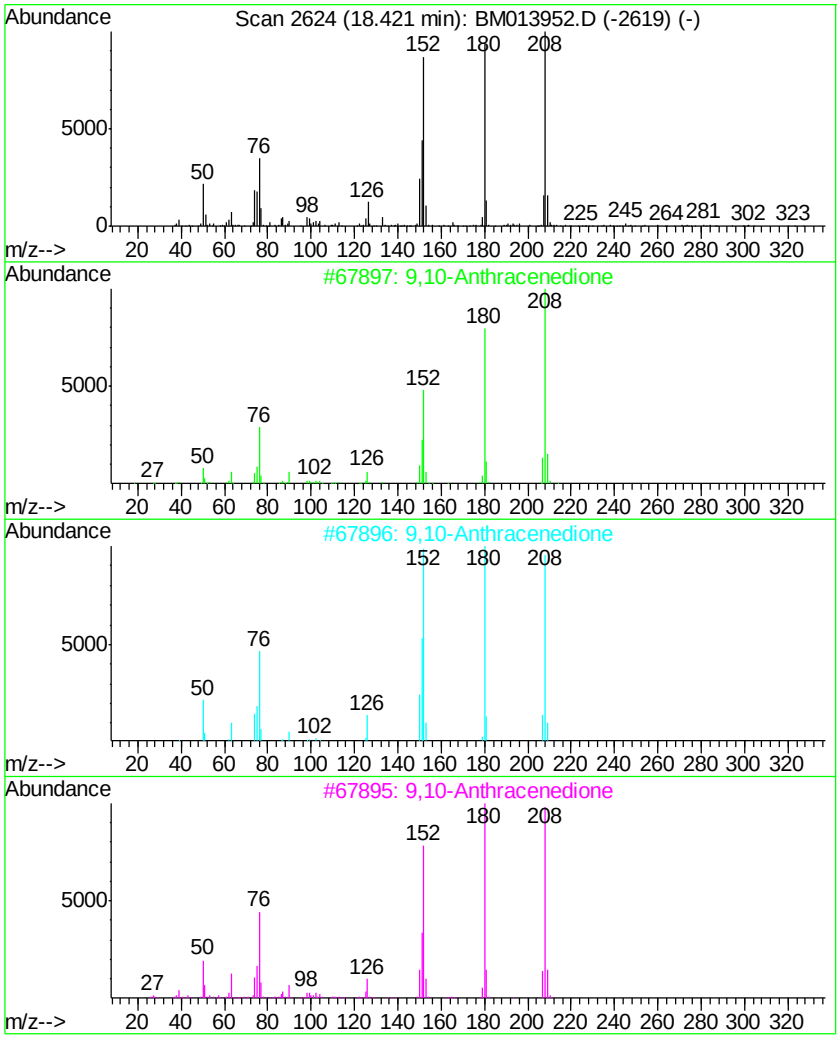
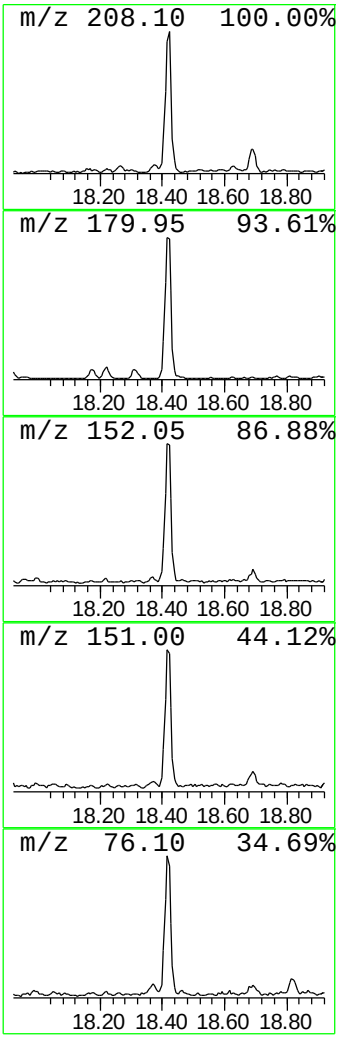
Peak Number 24 9,10-Anthracenedione Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.42 | 18.37 ng/ul | 1639360 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 94 |
| 2 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 94 |
| 3 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 93 |
| 4 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 83 |
| 5 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 64 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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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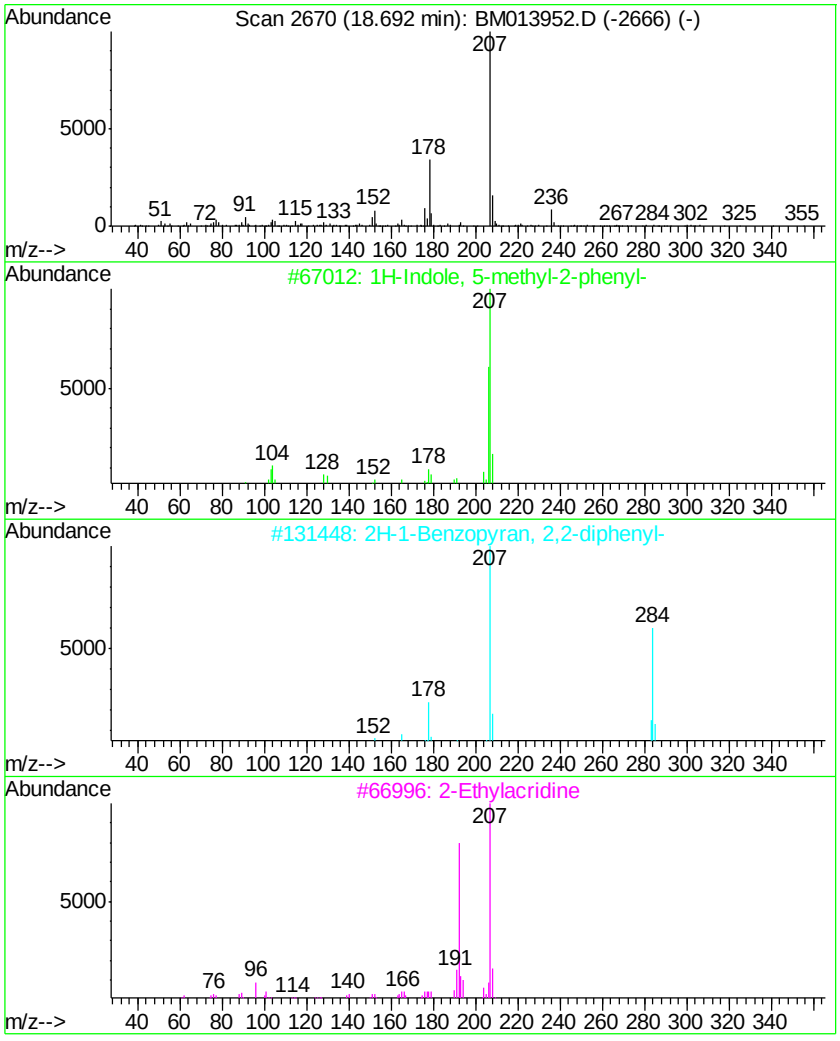
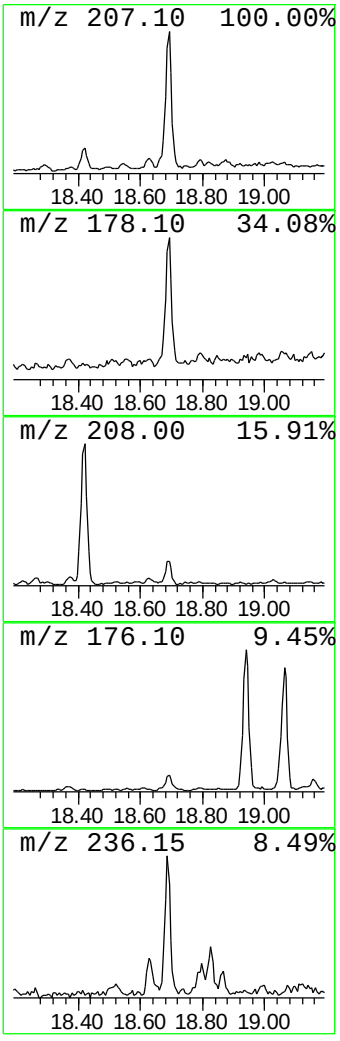
Peak Number 25 1H-Indole, 5-methyl-2-phenyl- Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.69 | 11.87 ng/ul | 1059890 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indole, 5-methyl-2-phenyl- | 207 | C15H13N | 013228-36-9 | 64 |
| 2 | 2H-1-Benzopyran, 2,2-diphenyl- | 284 | C21H16O | 004222-08-6 | 64 |
| 3 | 2-Ethylacridine | 207 | C15H13N | 055751-83-2 | 53 |
| 4 | 1,2-Benzenediol, 3,5-bis(1,1-dim... | 222 | C14H22O2 | 001020-31-1 | 50 |
| 5 | 1,2-Benzenediol, 3,5-bis(1,1-dim... | 222 | C14H22O2 | 001020-31-1 | 50 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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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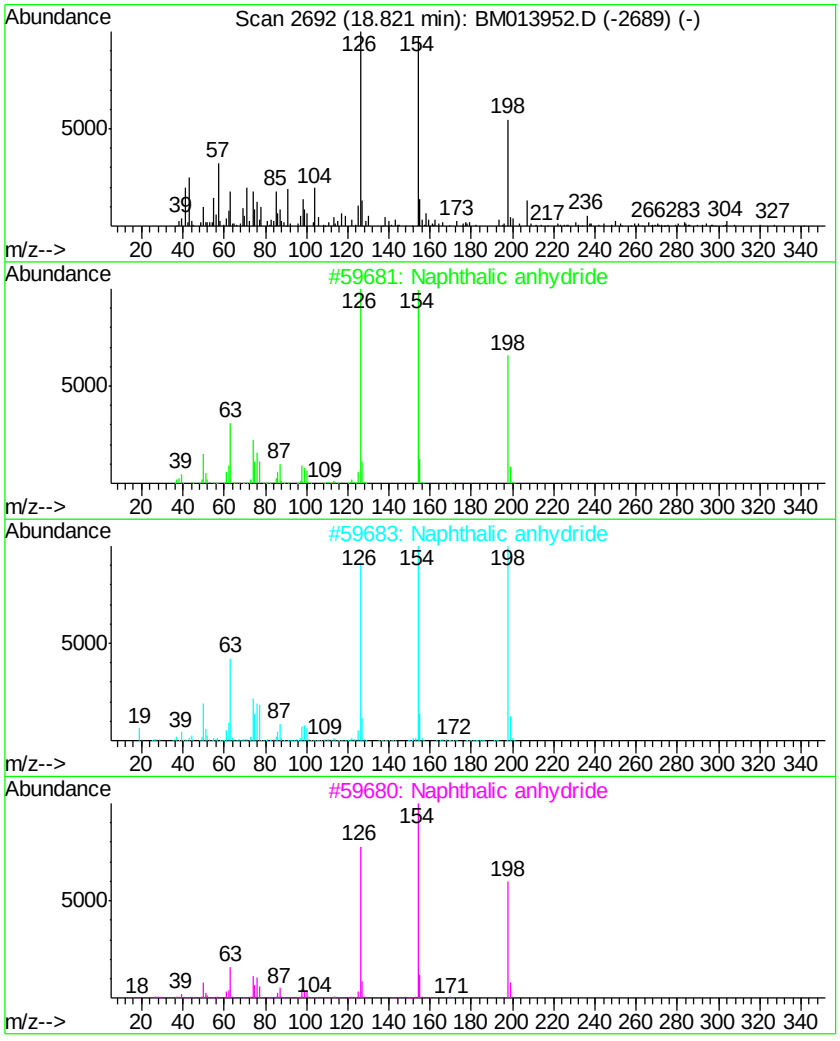
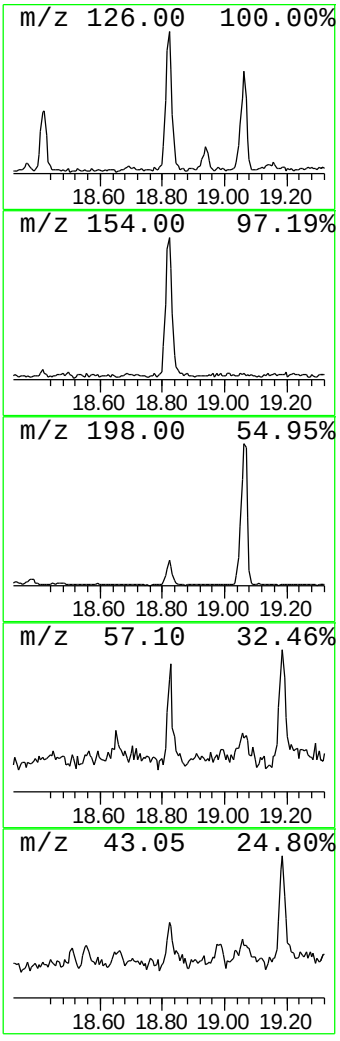
Peak Number 26 Naphthalic anhydride Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.82 | 5.22 ng/ul | 465599 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalic anhydride | 198 | C12H6O3 | 000081-84-5 | 91 |
| 2 | Naphthalic anhydride | 198 | C12H6O3 | 000081-84-5 | 91 |
| 3 | Naphthalic anhydride | 198 | C12H6O3 | 000081-84-5 | 90 |
| 4 | Naphthalic anhydride | 198 | C12H6O3 | 000081-84-5 | 90 |
| 5 | Naphthalic anhydride | 198 | C12H6O3 | 000081-84-5 | 87 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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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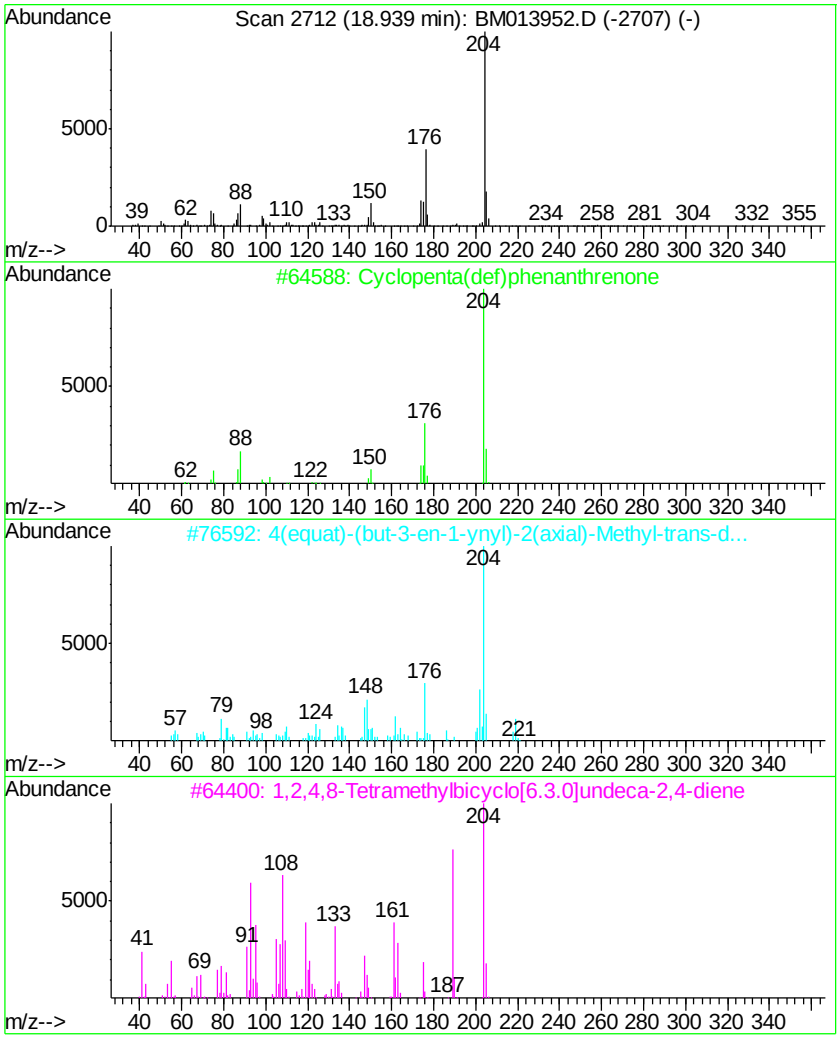
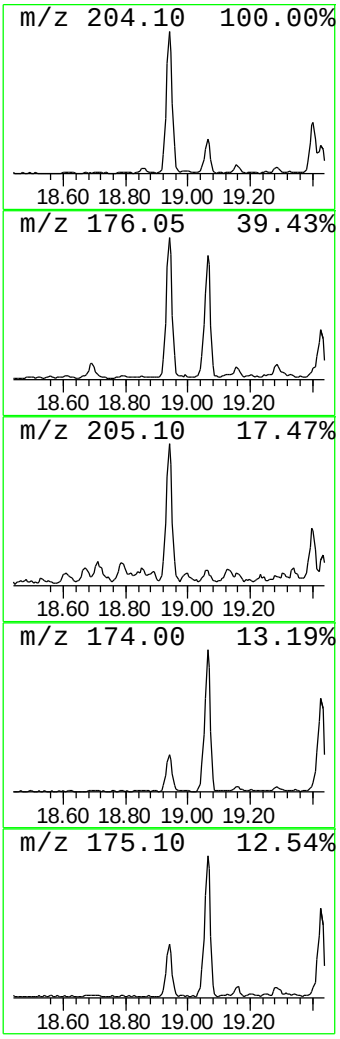
Peak Number 27 Cyclopenta(def)phenanthrenone Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.94 | 23.65 ng/ul | 2110820 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 91 |
| 2 | 4(equat)-(but-3-en-1-ynyl)-2(axi... | 219 | C14H21NO | 038423-22-2 | 59 |
| 3 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 46 |
| 4 | Quinoline, 8-methoxy-5-nitro- | 204 | C10H8N2O3 | 1000298-88-7 | 43 |
| 5 | [1,1'-Biphenyl]-2,2'-dicarbonitrile | 204 | C14H8N2 | 004341-02-0 | 42 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

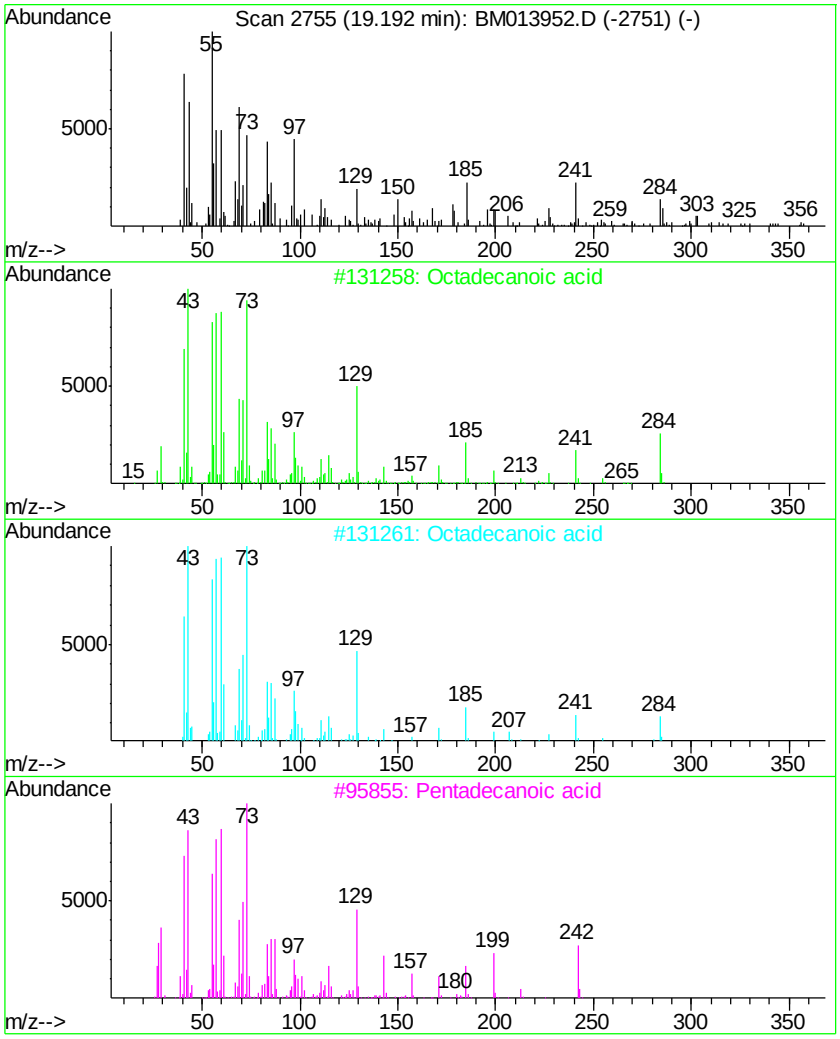
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

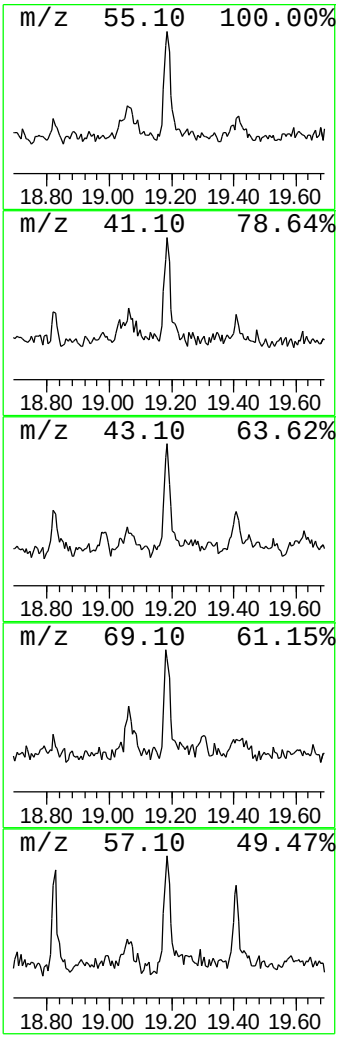
**********

Peak Number 28 Octadecanoic acid Concentration Rank 42

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.19 | 2.51 ng/ul | 723431 | Chrysene-d12 | 21.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 55 |
| 2 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 50 |
| 3 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 49 |
| 4 | Undecanoic acid, 10-bromo- | 264 | C11H21BrO2 | 018294-93-4 | 46 |
| 5 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 45 |



Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

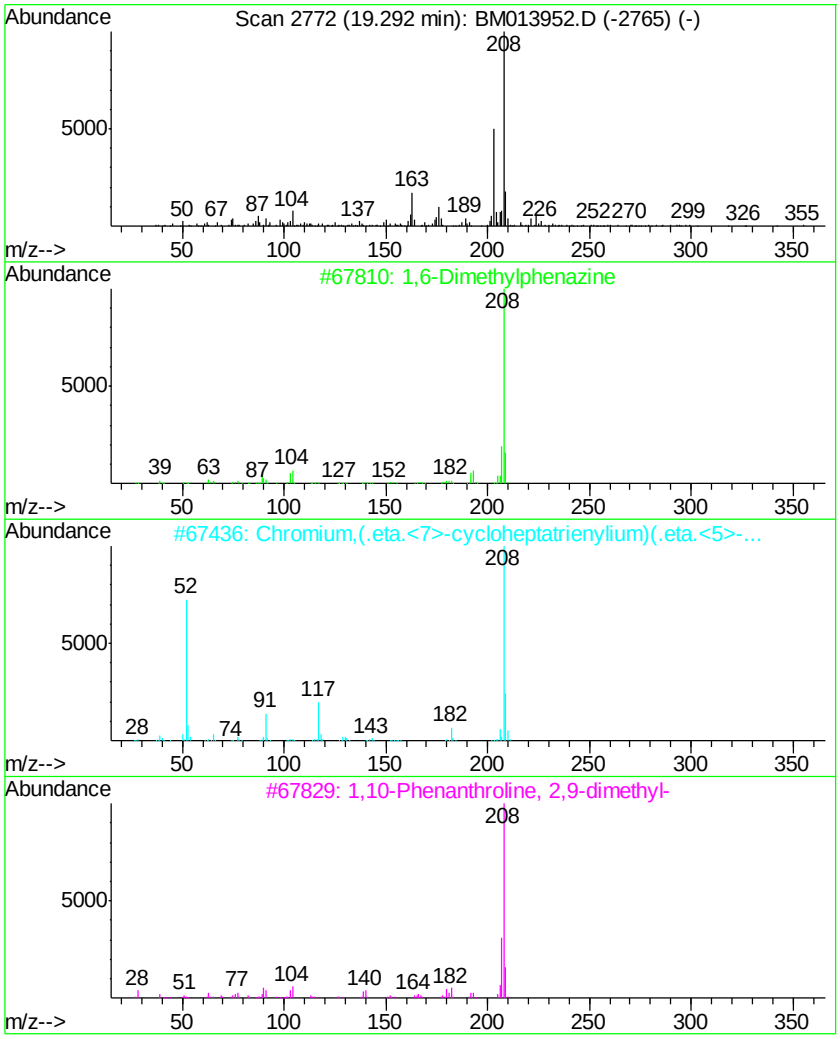
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

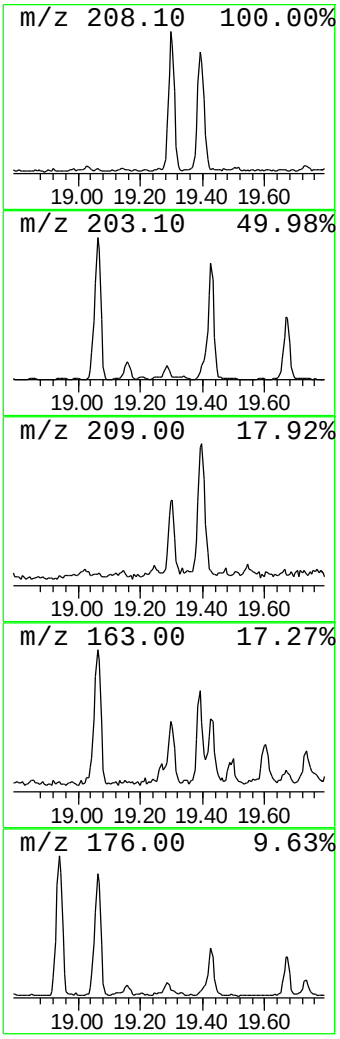
**********

Peak Number 29 unknown-07 Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.29 | 5.33 ng/ul | 1539640 | Chrysene-d12 | 21.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,6-Dimethylphenazine | 208 | C14H12N2 | 058718-43-7 | 46 |
| 2 | Chromium,(.eta.<7>-cycloheptatri... | 208 | C12H12Cr | 012093-81-1 | 43 |
| 3 | 1,10-Phenanthroline, 2,9-dimethyl- | 208 | C14H12N2 | 000484-11-7 | 43 |
| 4 | [1,3,4]-Thiadiazole, 2,5-bis[(2-... | 332 | C14H12N4S3 | 1000300-64-2 | 43 |
| 5 | Isoelemicin | 208 | C12H16O3 | 000487-12-7 | 43 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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

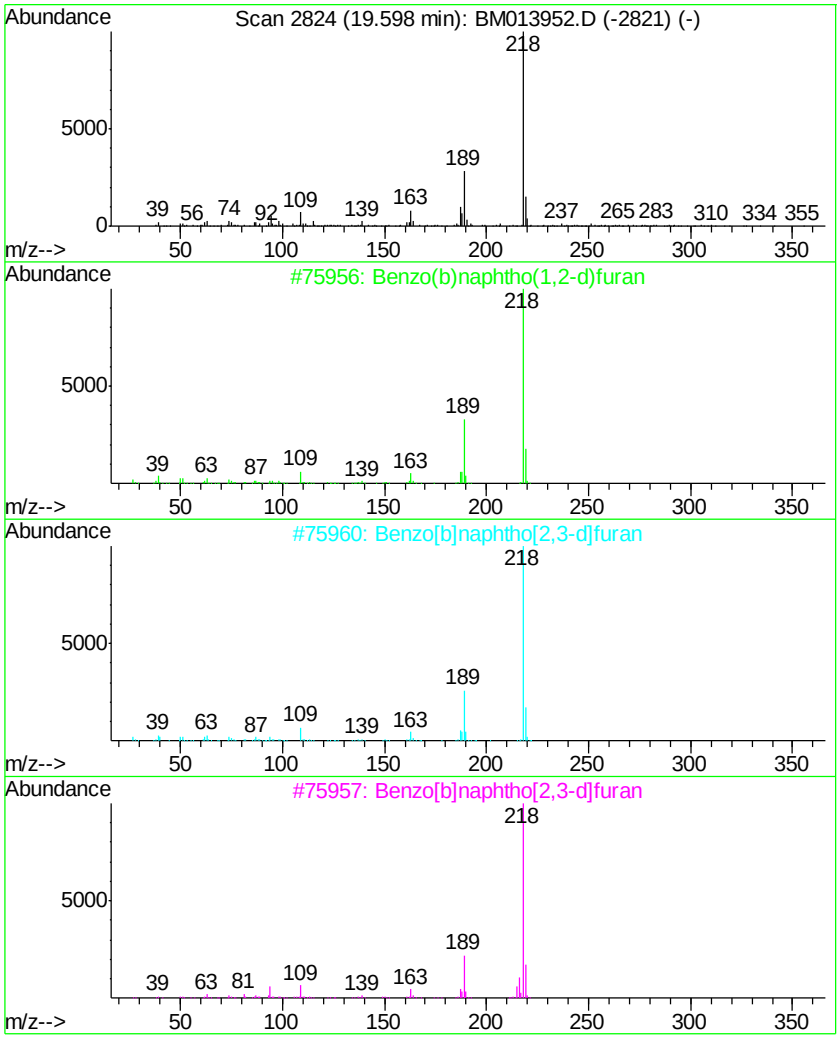
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

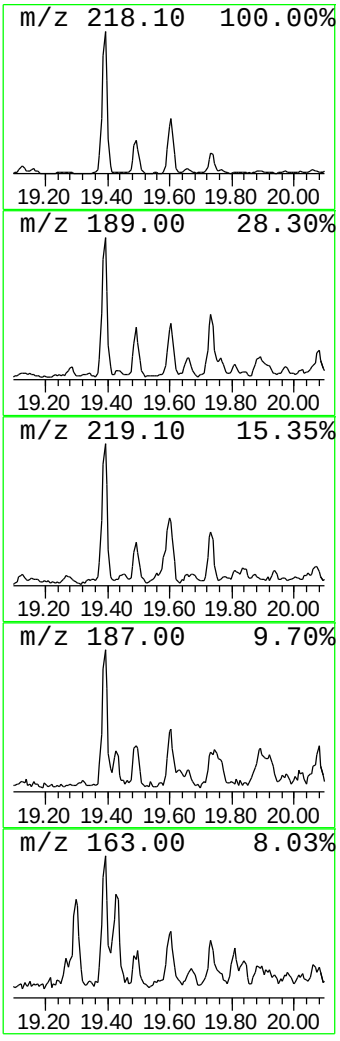
**********

Peak Number 30 Benzo(b)naphtho(1,2-d)furan Concentration Rank 44

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.60 | 2.16 ng/ul | 624464 | 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 | Benzo[b]naphtho[2,3-d]furan | 218 | C16H10O | 000243-42-5 | 90 |
| 3 | Benzo[b]naphtho[2,3-d]furan | 218 | C16H10O | 000243-42-5 | 87 |
| 4 | Benzo[kl]xanthene | 218 | C16H10O | 000200-23-7 | 86 |
| 5 | Benzo[b]naphtho[2,3-d]furan | 218 | C16H10O | 000243-42-5 | 80 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\Data\BM012818\
Data File : BM013952.D
Acq On : 29 Jan 2018 08:58
Operator : SJ/JU
Sample : J1243-05
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6B28

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 |
| unknown-01 | 4.72 | 11.7 | ng/ul | 699296 | 1 | 7.57 | 1198170 | 20.0 |
| Benzene, 1-propynyl- | 8.10 | 5.8 | ng/ul | 346661 | 1 | 7.57 | 1198170 | 20.0 |
| Propanedioic acid... | 11.68 | 5.9 | ng/ul | 461418 | 2 | 10.35 | 1573040 | 20.0 |
| unknown-02 | 14.77 | 5.0 | ng/ul | 505857 | 3 | 14.23 | 2026900 | 20.0 |
| Benzophenone | 15.60 | 25.4 | ng/ul | 2578110 | 3 | 14.23 | 2026900 | 20.0 |
| Ethanone, 1-(4-hy... | 15.87 | 21.2 | ng/ul | 1894010 | 4 | 16.99 | 1785200 | 20.0 |
| 1(2H)-Acenaphthyl... | 15.97 | 5.7 | ng/ul | 511264 | 4 | 16.99 | 1785200 | 20.0 |
| (4-Acetylphenyl)p... | 16.03 | 5.0 | ng/ul | 443243 | 4 | 16.99 | 1785200 | 20.0 |
| unknown-03 | 16.73 | 6.6 | ng/ul | 585322 | 4 | 16.99 | 1785200 | 20.0 |
| 9-Acridinecarboxy... | 16.77 | 5.6 | ng/ul | 500781 | 4 | 16.99 | 1785200 | 20.0 |
| Dibenzothiophene | 16.80 | 5.9 | ng/ul | 525117 | 4 | 16.99 | 1785200 | 20.0 |
| 5-Isopropyl-3,8-d... | 16.89 | 5.3 | ng/ul | 473891 | 4 | 16.99 | 1785200 | 20.0 |
| unknown-04 | 17.21 | 7.9 | ng/ul | 708546 | 4 | 16.99 | 1785200 | 20.0 |
| 4,4'-Bis(tetrahyd... | 17.50 | 6.1 | ng/ul | 544574 | 4 | 16.99 | 1785200 | 20.0 |
| unknown-05 | 17.58 | 4.5 | ng/ul | 405274 | 4 | 16.99 | 1785200 | 20.0 |
| unknown-06 | 17.77 | 6.0 | ng/ul | 539274 | 4 | 16.99 | 1785200 | 20.0 |
| Phenanthrene, 1-m... | 17.86 | 8.8 | ng/ul | 781919 | 4 | 16.99 | 1785200 | 20.0 |
| Phenanthrene, 2-m... | 17.90 | 21.4 | ng/ul | 1906160 | 4 | 16.99 | 1785200 | 20.0 |
| 1H-Indene, 2-phenyl- | 17.99 | 4.4 | ng/ul | 395372 | 4 | 16.99 | 1785200 | 20.0 |
| 4H-Cyclopenta[def... | 18.06 | 18.3 | ng/ul | 1632190 | 4 | 16.99 | 1785200 | 20.0 |
| 3-Phenyl-benzofuran | 18.26 | 4.2 | ng/ul | 372730 | 4 | 16.99 | 1785200 | 20.0 |
| 1,2,4,8-Tetrameth... | 18.37 | 6.6 | ng/ul | 589163 | 4 | 16.99 | 1785200 | 20.0 |
| 9,10-Anthracenedione | 18.42 | 18.4 | ng/ul | 1639360 | 4 | 16.99 | 1785200 | 20.0 |
| 1H-Indole, 5-meth... | 18.69 | 11.9 | ng/ul | 1059890 | 4 | 16.99 | 1785200 | 20.0 |
| Naphthalic anhydride | 18.82 | 5.2 | ng/ul | 465599 | 4 | 16.99 | 1785200 | 20.0 |
| Cyclopenta(def)ph... | 18.94 | 23.6 | ng/ul | 2110820 | 4 | 16.99 | 1785200 | 20.0 |
| Octadecanoic acid | 19.19 | 2.5 | ng/ul | 723431 | 5 | 21.19 | 5772080 | 20.0 |
| unknown-07 | 19.29 | 5.3 | ng/ul | 1539640 | 5 | 21.19 | 5772080 | 20.0 |
| Benzo(b)naphtho(1... | 19.60 | 2.2 | ng/ul | 624464 | 5 | 21.19 | 5772080 | 20.0 |