LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

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-BM021418.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 | 4.681 | 283 | 288 | 299 | rBV2 | 123843 | 254056 | 1.24% | 0.175% |
| 2 | 6.728 | 630 | 636 | 655 | rVB | 722325 | 1377273 | 6.74% | 0.949% |
| 3 | 6.881 | 655 | 662 | 674 | rBV | 588387 | 991082 | 4.85% | 0.683% |
| 4 | 7.063 | 687 | 693 | 702 | rBV | 855633 | 1387685 | 6.79% | 0.956% |
| 5 | 7.522 | 766 | 771 | 775 | rBV | 702710 | 1129803 | 5.53% | 0.778% |
| 6 | 7.557 | 775 | 777 | 784 | rVB | 204899 | 286339 | 1.40% | 0.197% |
| 7 | 7.869 | 823 | 830 | 838 | rVB | 492521 | 796220 | 3.90% | 0.549% |
| 8 | 8.251 | 888 | 895 | 903 | rBV | 862135 | 1525229 | 7.46% | 1.051% |
| 9 | 8.687 | 961 | 969 | 974 | rBV | 867665 | 1484549 | 7.26% | 1.023% |
| 10 | 9.398 | 1083 | 1090 | 1099 | rBV | 774019 | 1350861 | 6.61% | 0.931% |
| 11 | 9.939 | 1175 | 1182 | 1198 | rBV | 938581 | 1838169 | 8.99% | 1.266% |
| 12 | 10.298 | 1231 | 1243 | 1248 | rBV | 1027329 | 1776161 | 8.69% | 1.224% |
| 13 | 10.345 | 1248 | 1251 | 1260 | rVB | 159119 | 249472 | 1.22% | 0.172% |
| 14 | 10.463 | 1263 | 1271 | 1289 | rBV | 441046 | 1005269 | 4.92% | 0.693% |
| 15 | 13.498 | 1779 | 1787 | 1792 | rBV4 | 132629 | 280085 | 1.37% | 0.193% |
| 16 | 13.604 | 1799 | 1805 | 1810 | rBV | 1962090 | 2681038 | 13.12% | 1.847% |
| 17 | 13.651 | 1810 | 1813 | 1820 | rVB | 429244 | 604368 | 2.96% | 0.416% |
| 18 | 13.874 | 1843 | 1851 | 1862 | rBV | 2214310 | 3522784 | 17.24% | 2.427% |
| 19 | 14.186 | 1892 | 1904 | 1910 | rBV2 | 1396752 | 2319698 | 11.35% | 1.598% |
| 20 | 14.245 | 1910 | 1914 | 1919 | rVB | 207238 | 296316 | 1.45% | 0.204% |
| 21 | 14.451 | 1944 | 1949 | 1964 | rBV3 | 228380 | 585556 | 2.87% | 0.403% |
| 22 | 14.592 | 1968 | 1973 | 1978 | rVB2 | 192834 | 280706 | 1.37% | 0.193% |
| 23 | 15.045 | 2047 | 2050 | 2057 | rVB3 | 169072 | 240941 | 1.18% | 0.166% |
| 24 | 15.186 | 2068 | 2074 | 2079 | rBV | 2698134 | 3616128 | 17.69% | 2.491% |
| 25 | 15.239 | 2079 | 2083 | 2087 | rVB2 | 204274 | 297434 | 1.46% | 0.205% |
| 26 | 15.345 | 2096 | 2101 | 2108 | rBV3 | 193452 | 372938 | 1.82% | 0.257% |
| 27 | 15.539 | 2129 | 2134 | 2141 | rVB4 | 128139 | 239701 | 1.17% | 0.165% |
| 28 | 15.915 | 2193 | 2198 | 2206 | rBV4 | 238022 | 495974 | 2.43% | 0.342% |
| 29 | 16.239 | 2248 | 2253 | 2260 | rBV7 | 157910 | 347555 | 1.70% | 0.239% |
| 30 | 16.604 | 2311 | 2315 | 2320 | rBV | 159073 | 246109 | 1.20% | 0.170% |
| 31 | 16.704 | 2329 | 2332 | 2337 | rVB4 | 151311 | 218523 | 1.07% | 0.151% |
| 32 | 16.757 | 2337 | 2341 | 2348 | rVB3 | 212214 | 326763 | 1.60% | 0.225% |
| 33 | 16.945 | 2367 | 2373 | 2376 | rBV | 1484376 | 2105747 | 10.30% | 1.451% |
| 34 | 16.986 | 2376 | 2380 | 2385 | rVV | 2789097 | 3723453 | 18.22% | 2.565% |

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

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-BM021418.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 17.045 | 2385 | 2390 | 2393 | rVV | 2504606 | 3617704 | 17.70% | 2.493% |
| 36 | 17.074 | 2393 | 2395 | 2400 | rVB | 654868 | 819199 | 4.01% | 0.564% |
| 37 | 17.357 | 2440 | 2443 | 2448 | rVB | 248628 | 352791 | 1.73% | 0.243% |
| 38 | 17.815 | 2517 | 2521 | 2525 | rBV | 477596 | 706757 | 3.46% | 0.487% |
| 39 | 17.862 | 2525 | 2529 | 2536 | rVB2 | 1276738 | 1935583 | 9.47% | 1.334% |
| 40 | 18.015 | 2550 | 2555 | 2559 | rBV2 | 710289 | 1156944 | 5.66% | 0.797% |
| 41 | 18.051 | 2559 | 2561 | 2570 | rVB | 333208 | 458134 | 2.24% | 0.316% |
| 42 | 18.215 | 2585 | 2589 | 2597 | rVB3 | 928380 | 1578862 | 7.73% | 1.088% |
| 43 | 18.333 | 2605 | 2609 | 2613 | rVV2 | 312880 | 459925 | 2.25% | 0.317% |
| 44 | 18.380 | 2613 | 2617 | 2622 | rVB | 1033841 | 1332239 | 6.52% | 0.918% |
| 45 | 18.751 | 2676 | 2680 | 2683 | rBV | 317327 | 439794 | 2.15% | 0.303% |
| 46 | 18.951 | 2711 | 2714 | 2717 | rVB4 | 201720 | 235142 | 1.15% | 0.162% |
| 47 | 19.015 | 2720 | 2725 | 2731 | rBV | 4423964 | 5914796 | 28.94% | 4.075% |
| 48 | 19.074 | 2732 | 2735 | 2740 | rVV5 | 278518 | 526797 | 2.58% | 0.363% |
| 49 | 19.151 | 2744 | 2748 | 2756 | rVB2 | 1595260 | 2369839 | 11.60% | 1.633% |
| 50 | 19.356 | 2778 | 2783 | 2785 | rBV2 | 2634452 | 3940064 | 19.28% | 2.715% |
| 51 | 19.386 | 2785 | 2788 | 2792 | rVB | 3516623 | 4163205 | 20.37% | 2.868% |
| 52 | 19.986 | 2887 | 2890 | 2891 | rBV | 400643 | 441370 | 2.16% | 0.304% |
| 53 | 20.009 | 2891 | 2894 | 2898 | rVB | 3013755 | 3374052 | 16.51% | 2.325% |
| 54 | 20.156 | 2916 | 2919 | 2926 | rBV3 | 407367 | 912894 | 4.47% | 0.629% |
| 55 | 20.339 | 2947 | 2950 | 2957 | rVB | 809452 | 1011063 | 4.95% | 0.697% |
| 56 | 20.450 | 2964 | 2969 | 2976 | rBV | 3513731 | 4566069 | 22.34% | 3.146% |
| 57 | 20.839 | 3033 | 3035 | 3038 | rBV3 | 376343 | 428217 | 2.10% | 0.295% |
| 58 | 20.880 | 3038 | 3042 | 3049 | rVB3 | 1182574 | 1595439 | 7.81% | 1.099% |
| 59 | 21.080 | 3071 | 3076 | 3080 | rBV | 20942876 | 20436725 | 100.00% | 14.081% |
| 60 | 21.145 | 3083 | 3087 | 3092 | rVV2 | 2386467 | 4821034 | 23.59% | 3.322% |
| 61 | 21.192 | 3092 | 3095 | 3100 | rVB | 1922107 | 2442902 | 11.95% | 1.683% |
| 62 | 21.374 | 3121 | 3126 | 3129 | rBV | 3646970 | 4639528 | 22.70% | 3.197% |
| 63 | 21.409 | 3129 | 3132 | 3138 | rVB | 8125687 | 9507932 | 46.52% | 6.551% |
| 64 | 21.633 | 3166 | 3170 | 3175 | rVB | 1469787 | 1870628 | 9.15% | 1.289% |
| 65 | 22.692 | 3343 | 3350 | 3354 | rBV2 | 1496967 | 3728213 | 18.24% | 2.569% |
| 66 | 22.986 | 3396 | 3400 | 3408 | rVB3 | 1413706 | 2373549 | 11.61% | 1.635% |
| 67 | 23.150 | 3424 | 3428 | 3432 | rBV | 877066 | 1473748 | 7.21% | 1.015% |
| 68 | 23.203 | 3433 | 3437 | 3440 | rVV2 | 1470125 | 2477801 | 12.12% | 1.707% |
| 69 | 23.244 | 3441 | 3444 | 3451 | rVB | 1455455 | 2244206 | 10.98% | 1.546% |
| 70 | 23.815 | 3537 | 3541 | 3550 | rVB | 888206 | 1699637 | 8.32% | 1.171% |
| 71 | 25.568 | 3835 | 3839 | 3845 | rVB | 1924275 | 3658665 | 17.90% | 2.521% |

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

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-BM021418.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 26.850 | 4051 | 4057 | 4068 | rVB2 | 1103503 | 3175954 | 15.54% | 2.188% |

Sum of corrected areas: 145141386

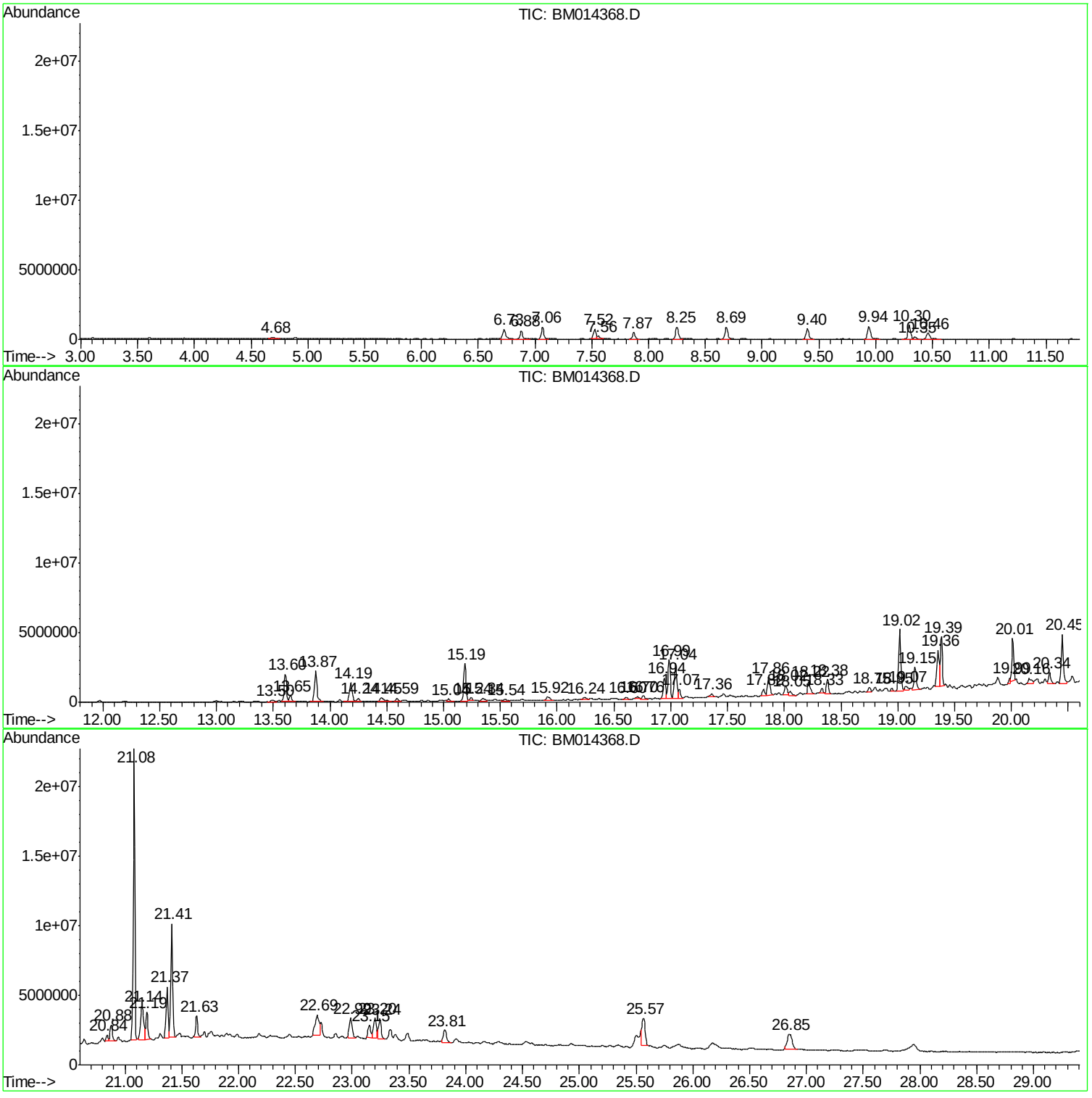
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

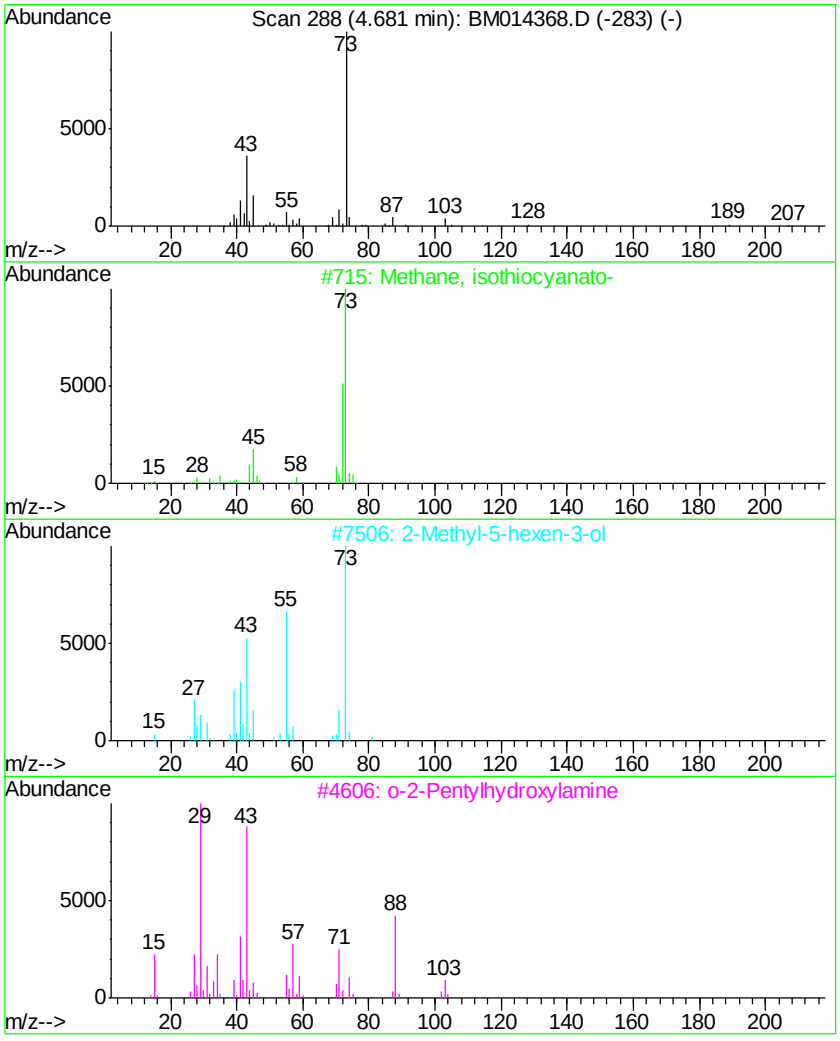
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

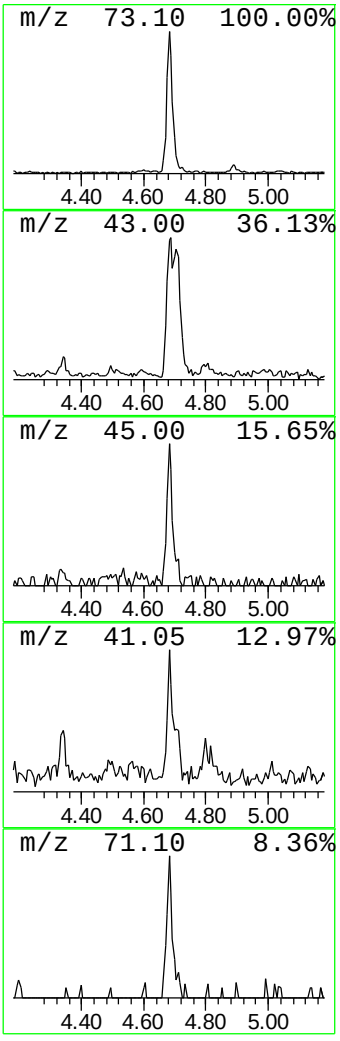
**********

Peak Number 1 unknown-01 Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 4.68 | 4.50 ng/ul | 254056 | 1,4-Dichlorobenzene-d4 | 7.52 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methane, isothiocyanato- | 73 | C2H3NS | 000556-61-6 | 28 |
| 2 | 2-Methyl-5-hexen-3-ol | 114 | C7H14O | 032815-70-6 | 25 |
| 3 | o-2-Pentylhydroxylamine | 103 | C5H13NO | 1000322-43-4 | 16 |
| 4 | Pentanol, 5-amino- | 103 | C5H13NO | 002508-29-4 | 9 |
| 5 | 1-Propene-1-thiol | 74 | C3H6S | 000925-89-3 | 9 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

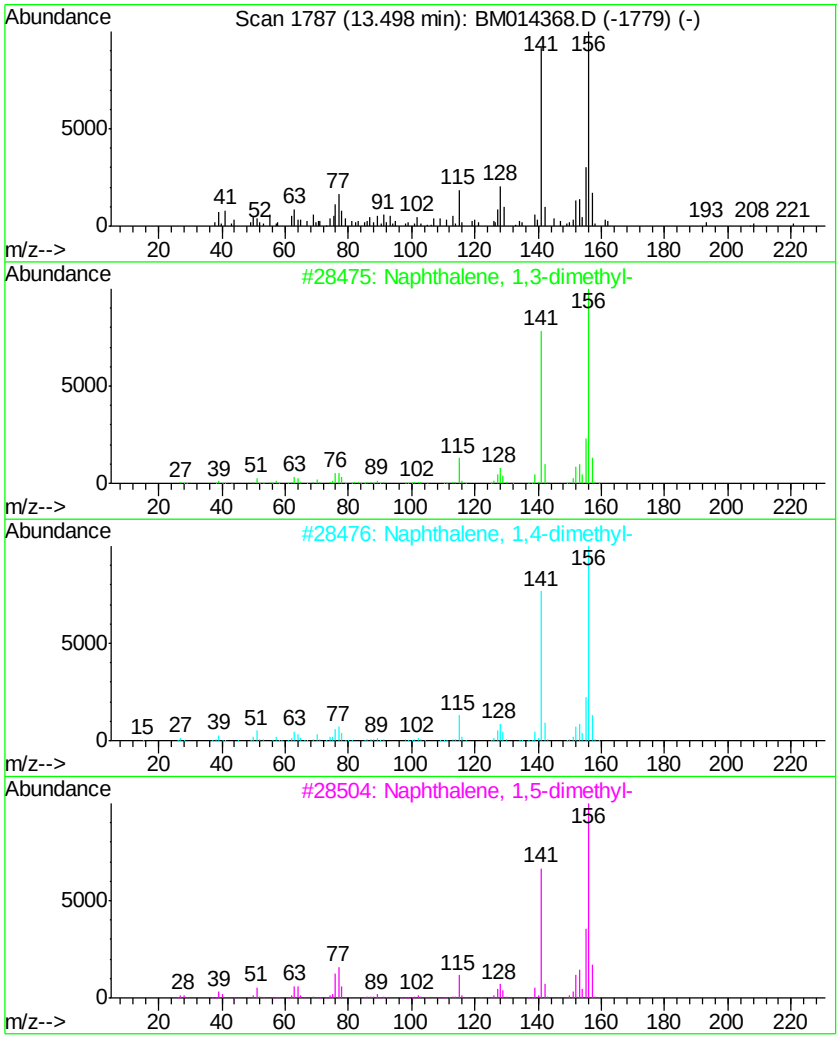
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

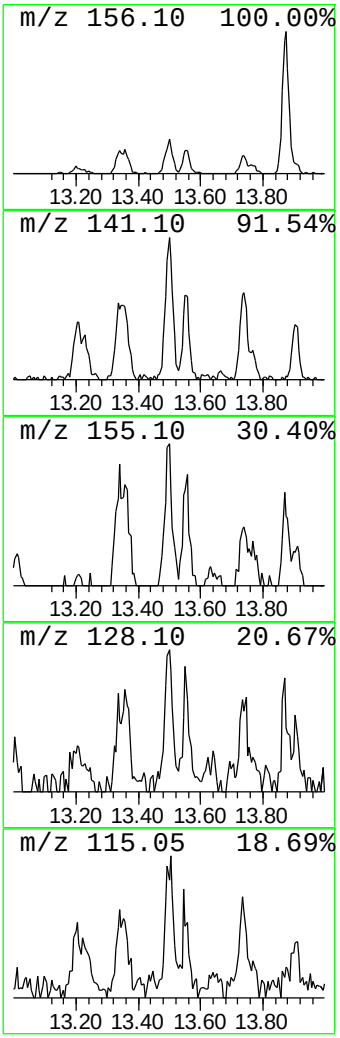
**********

Peak Number 3 Naphthalene, 1,3-dimethyl- Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.50 | 2.41 ng/ul | 280085 | Acenaphthene-d10 | 14.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 95 |
| 2 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 94 |
| 3 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 94 |
| 4 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 94 |
| 5 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 94 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

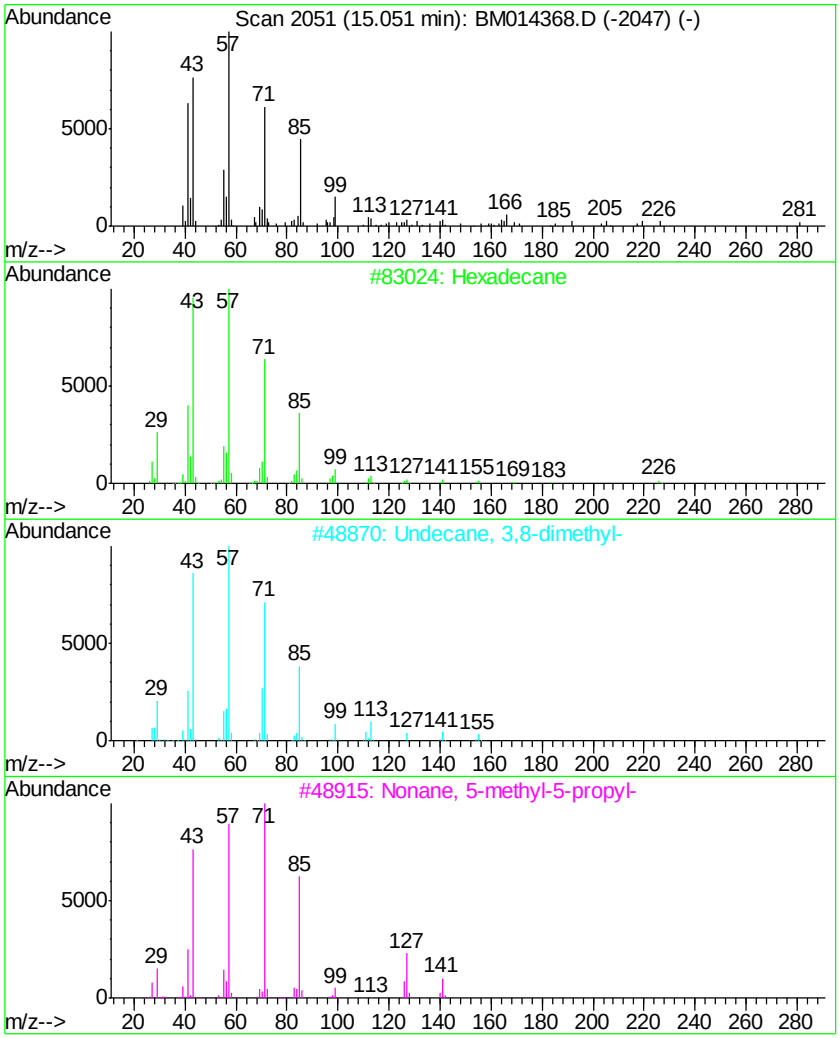
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

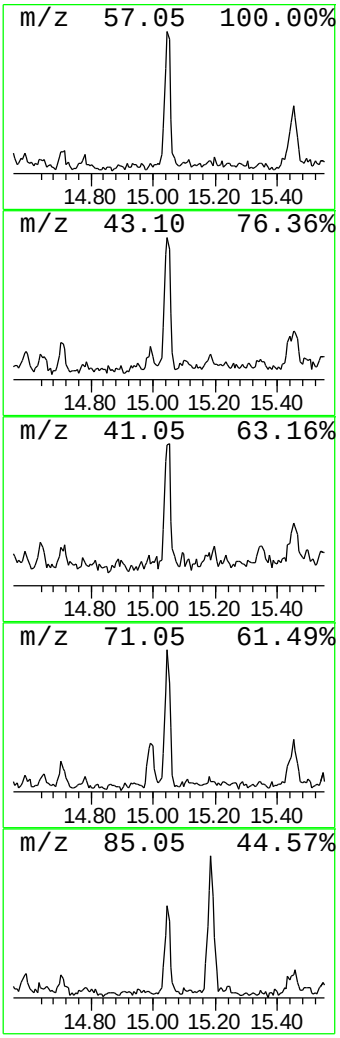
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.05 | 2.08 ng/ul | 240941 | Acenaphthene-d10 | 14.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 87 |
| 2 | Undecane, 3,8-dimethyl- | 184 | C13H28 | 017301-30-3 | 72 |
| 3 | Nonane, 5-methyl-5-propyl- | 184 | C13H28 | 017312-75-3 | 72 |
| 4 | Dodecane, 4-methyl- | 184 | C13H28 | 006117-97-1 | 72 |
| 5 | Bacchotricuneatin c | 342 | C20H22O5 | 066563-30-2 | 64 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

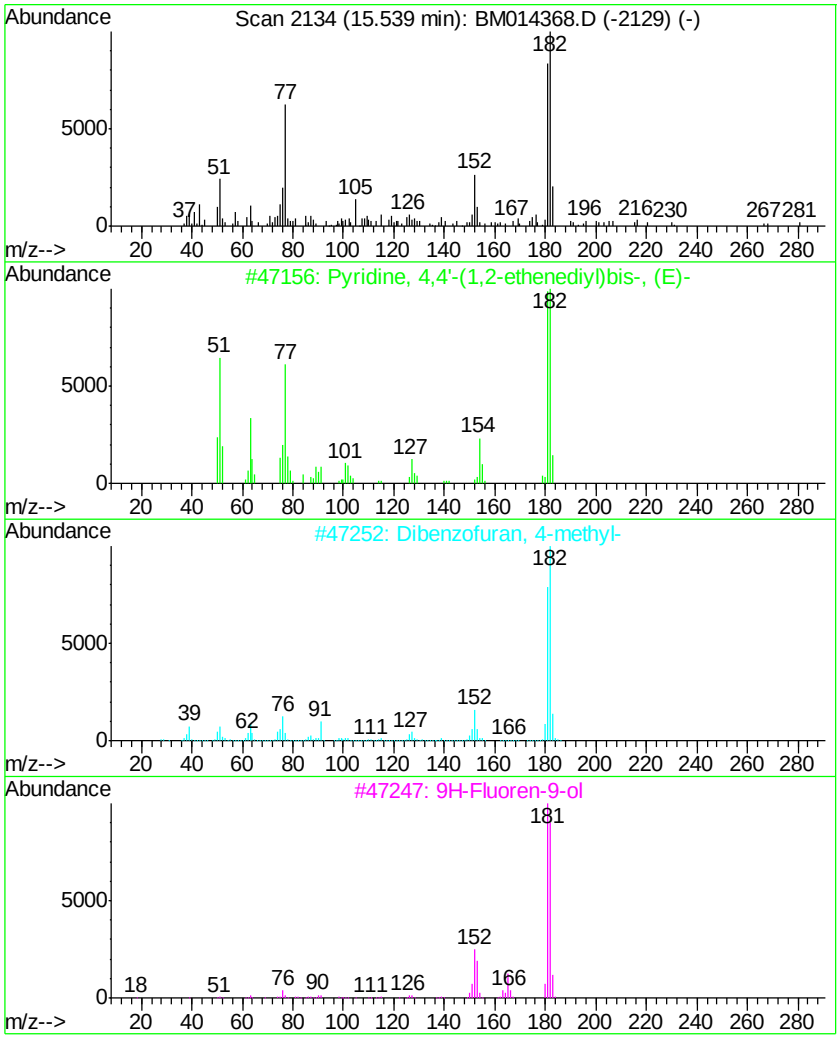
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

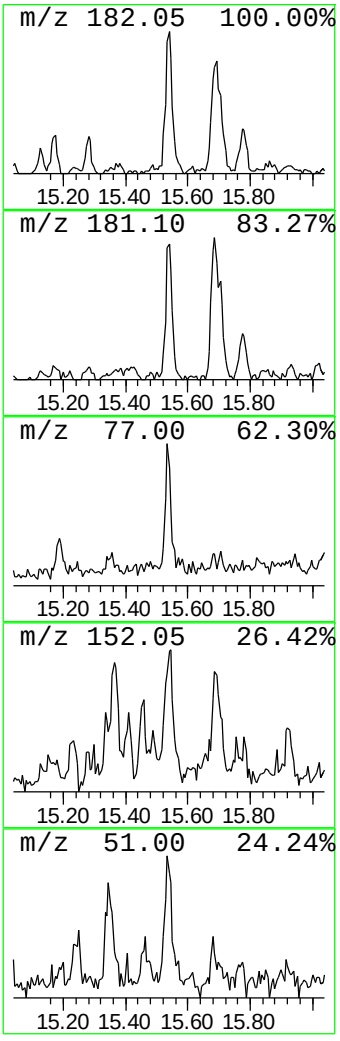
**********

Peak Number 5 Pyridine, 4,4'-(1,2-ethened... Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.54 | 2.07 ng/ul | 239701 | Acenaphthene-d10 | 14.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyridine, 4,4'-(1,2-ethenediyl)b... | 182 | C12H10N2 | 013362-78-2 | 59 |
| 2 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 58 |
| 3 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 50 |
| 4 | 6H-Dibenzo[b,d]-pyran | 182 | C13H10O | 000229-95-8 | 47 |
| 5 | 2-Hydroxyfluorene | 182 | C13H10O | 002443-58-5 | 47 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

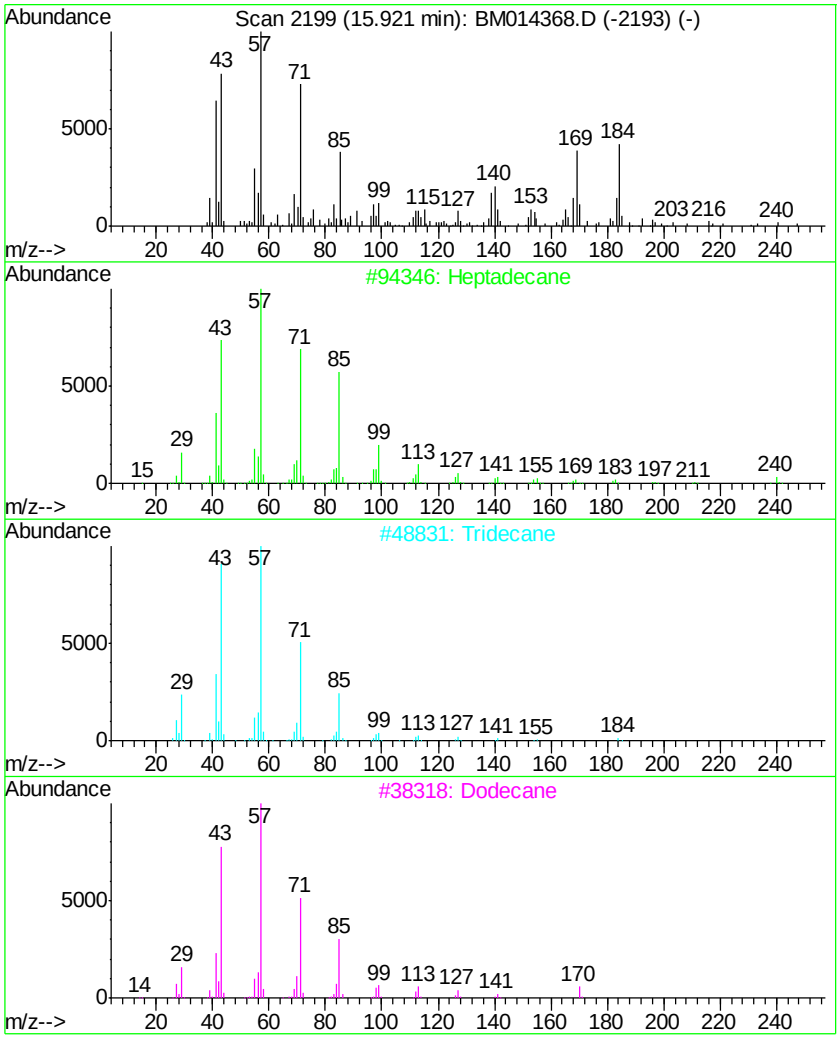
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

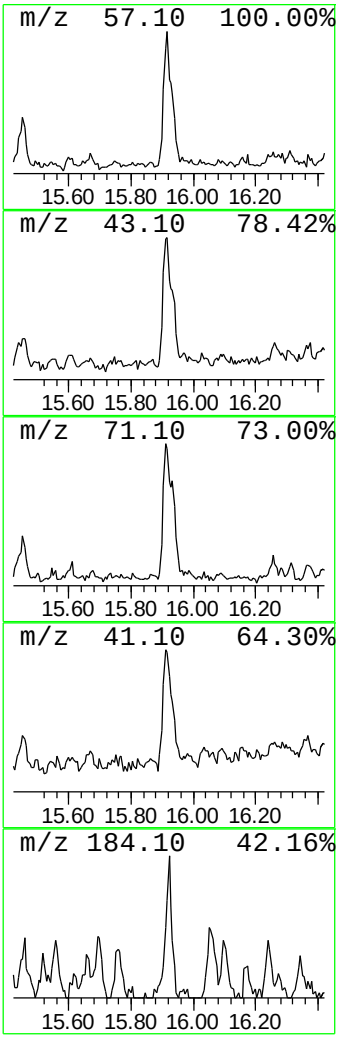
**********

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.92 | 4.71 ng/ul | 495974 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 93 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 89 |
| 3 | Dodecane | 170 | C12H26 | 000112-40-3 | 89 |
| 4 | Tridecane | 184 | C13H28 | 000629-50-5 | 76 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 62 |



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

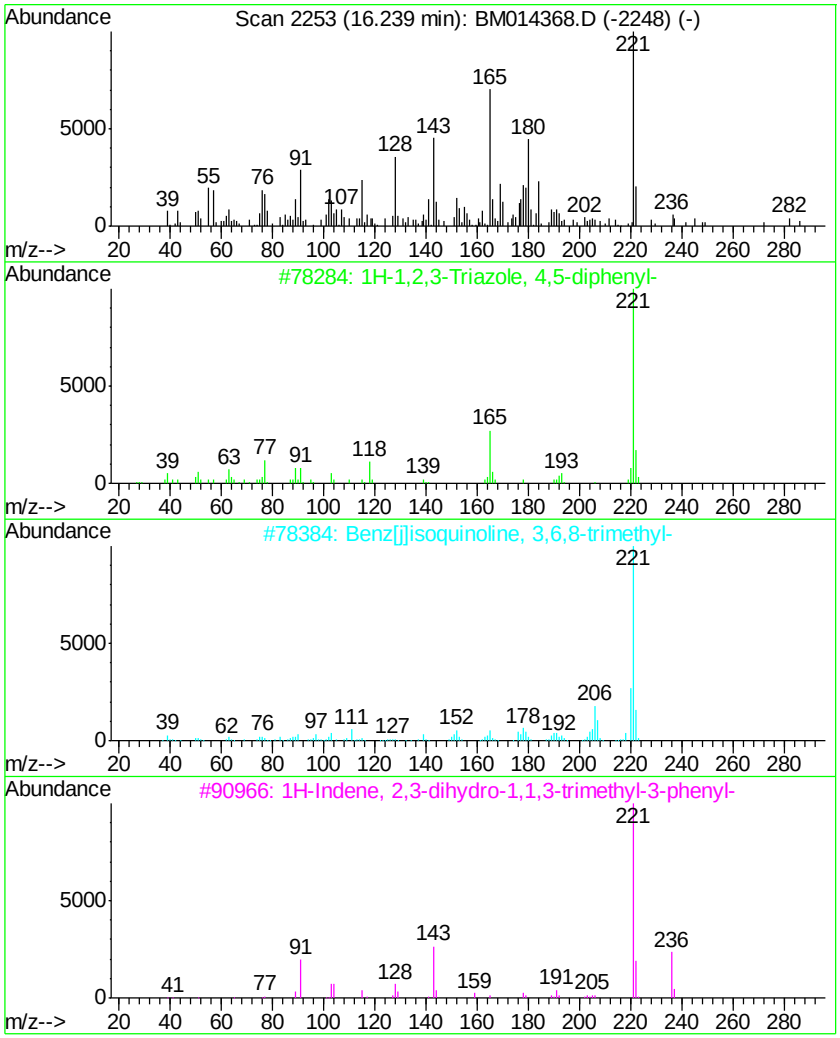
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

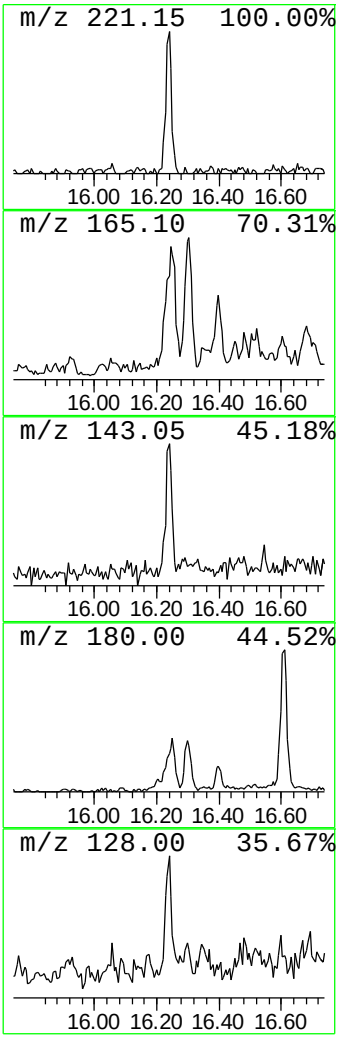
**********

Peak Number 7 unknown-02 Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.24 | 3.30 ng/ul | 347555 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-1,2,3-Triazole, 4,5-diphenyl- | 221 | C14H11N3 | 005533-73-3 | 41 |
| 2 | Benz[j]isoquinoline, 3,6,8-trime... | 221 | C16H15N | 061171-16-2 | 41 |
| 3 | 1H-Indene, 2,3-dihydro-1,1,3-tri... | 236 | C18H20 | 003910-35-8 | 38 |
| 4 | 9-(Methylaminomethyl)anthracene | 221 | C16H15N | 073356-19-1 | 35 |
| 5 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 35 |



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Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

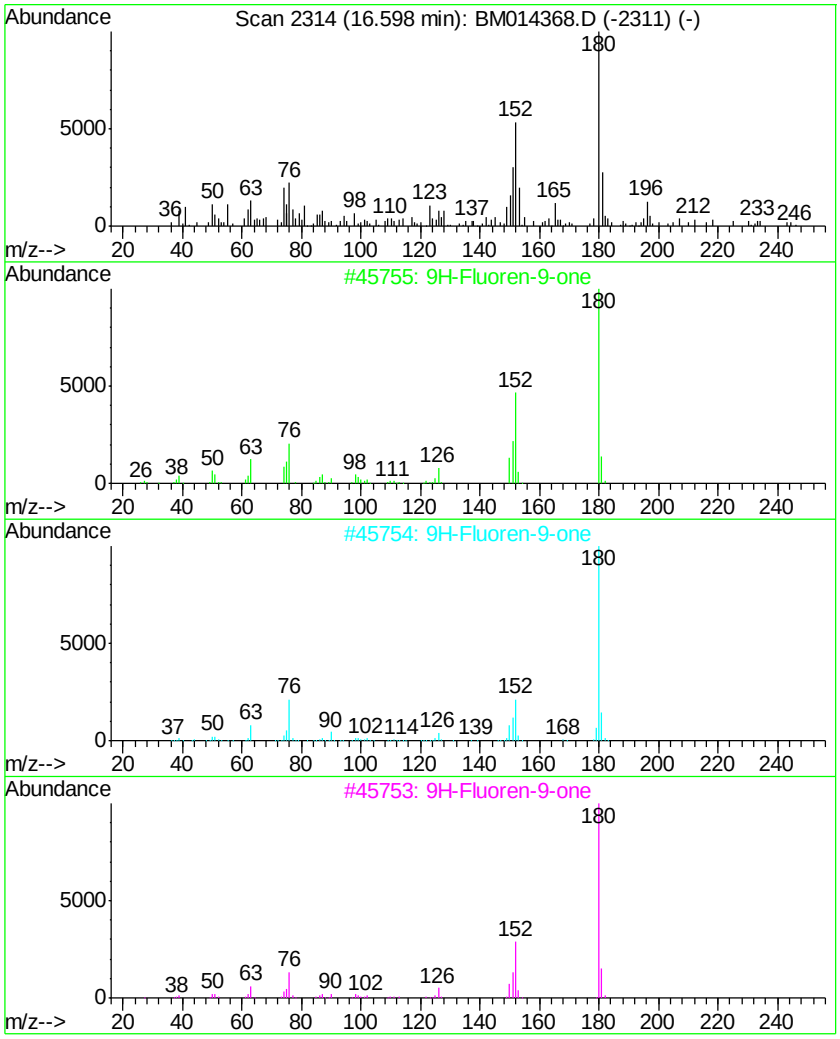
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

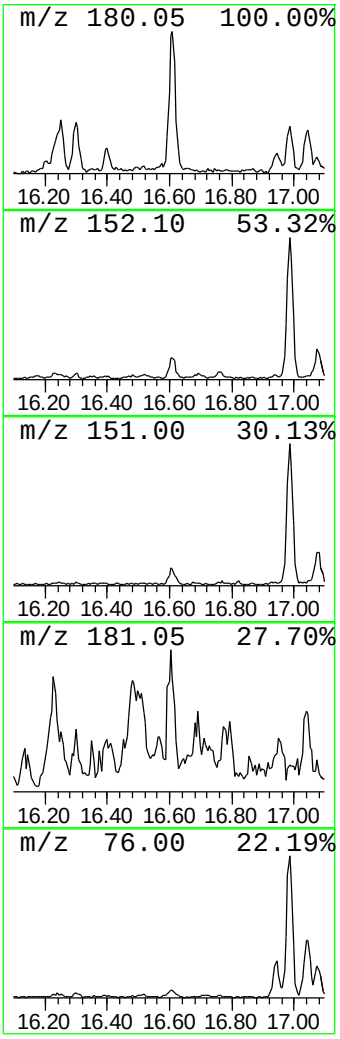
**********

Peak Number 8 9H-Fluoren-9-one Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.60 | 2.34 ng/ul | 246109 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 89 |
| 2 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 74 |
| 3 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 72 |
| 4 | 9,10-Phenanthrenedione | 208 | C14H8O2 | 000084-11-7 | 64 |
| 5 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 64 |



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Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

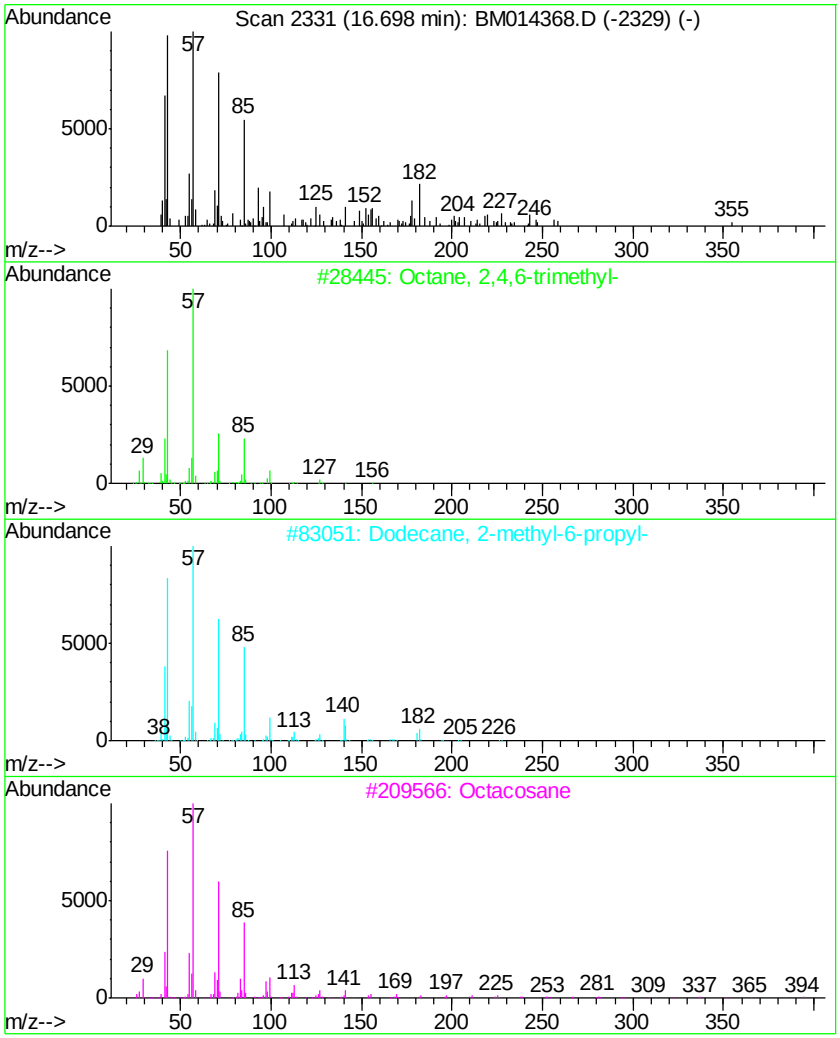
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

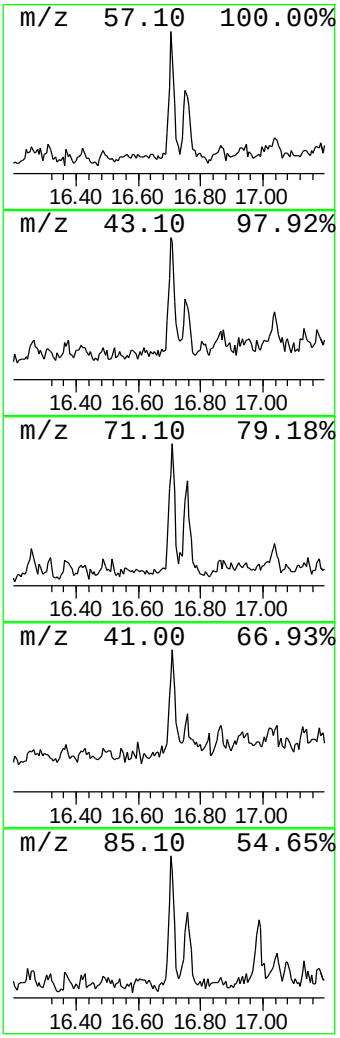
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.70 | 2.08 ng/ul | 218523 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 2,4,6-trimethyl- | 156 | C11H24 | 062016-37-9 | 72 |
| 2 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 72 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 72 |
| 4 | Undecane, 5-methyl- | 170 | C12H26 | 001632-70-8 | 68 |
| 5 | Sulfurous acid, 2-ethylhexyl iso... | 278 | C14H30O3S | 1000309-19-0 | 64 |



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Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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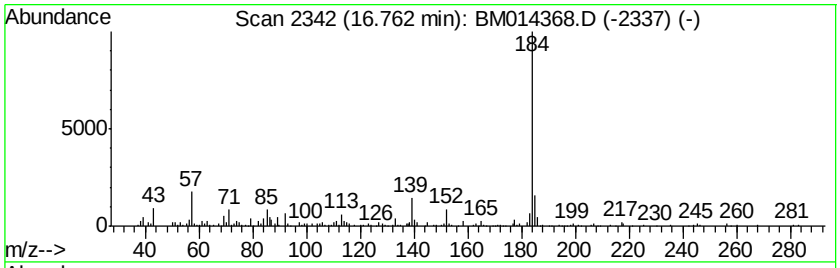
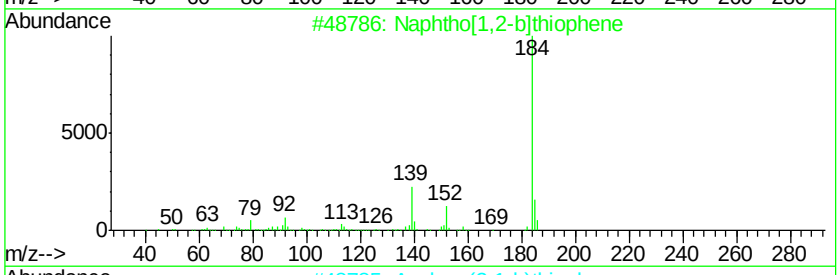
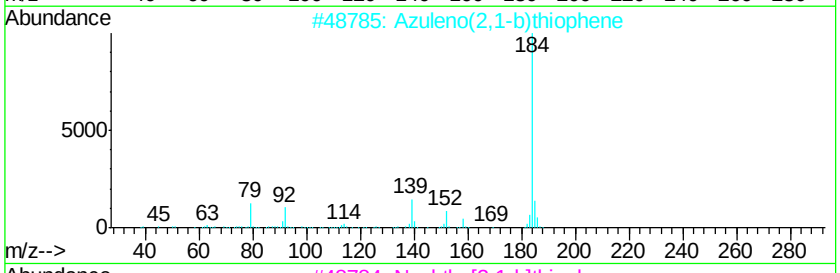
Peak Number 10 Naphtho[1,2-b]thiophene Concentration Rank 26

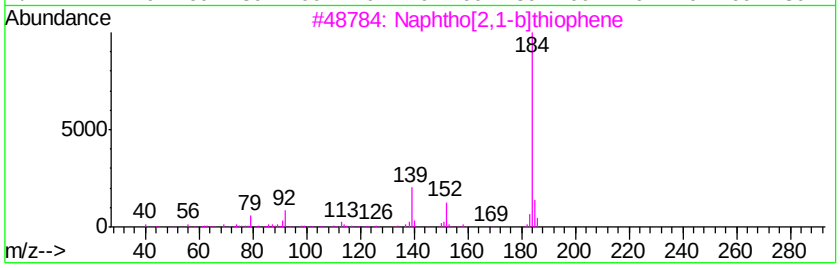
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.76 | 3.10 ng/ul | 326763 | Phenanthrene-d10 | 16.94 |

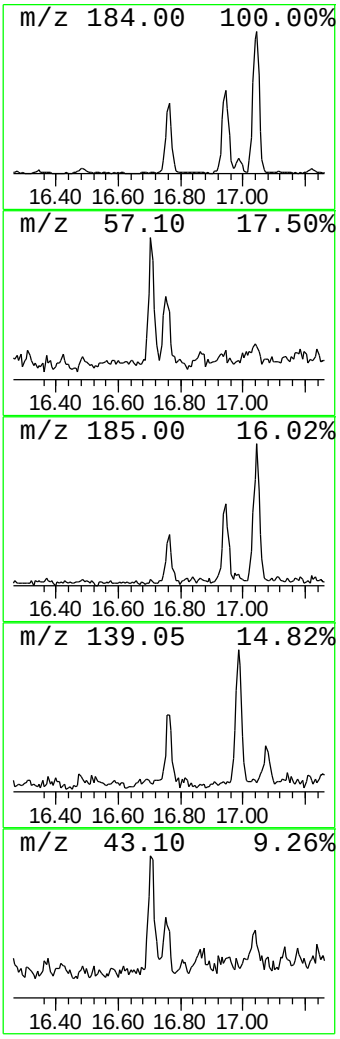
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 76 |
| 2 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 76 |
| 3 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 68 |
| 4 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 64 |
| 5 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 64 |



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Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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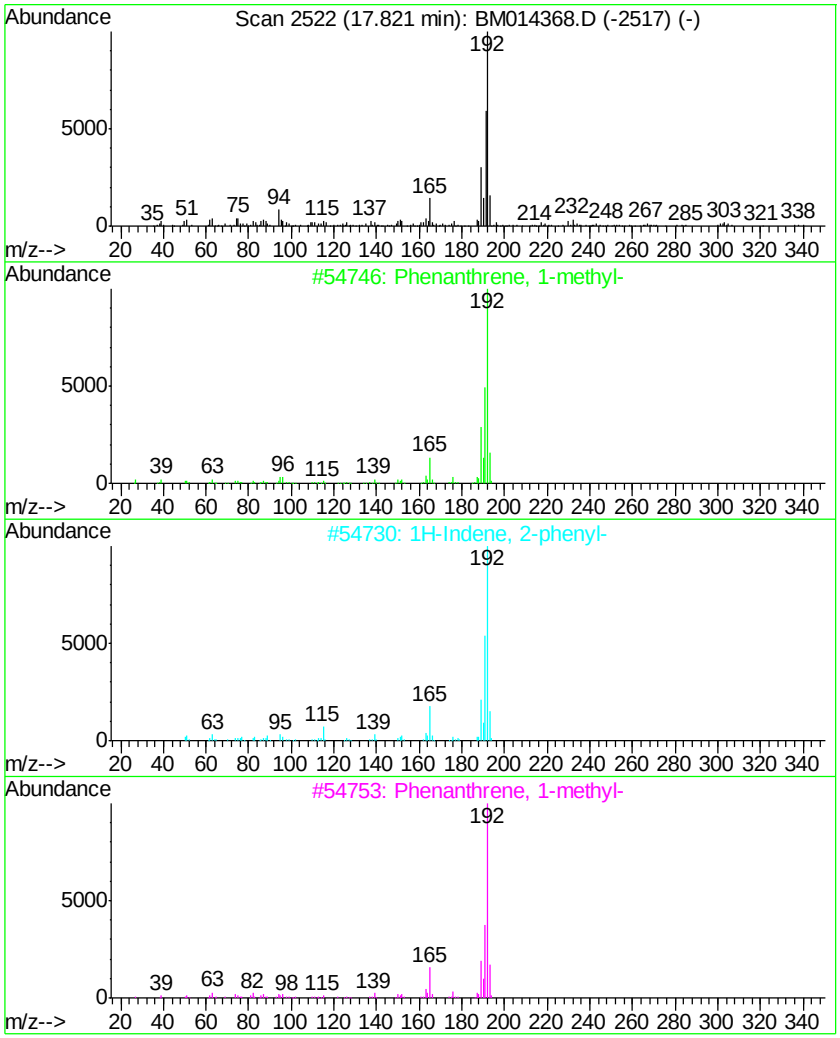
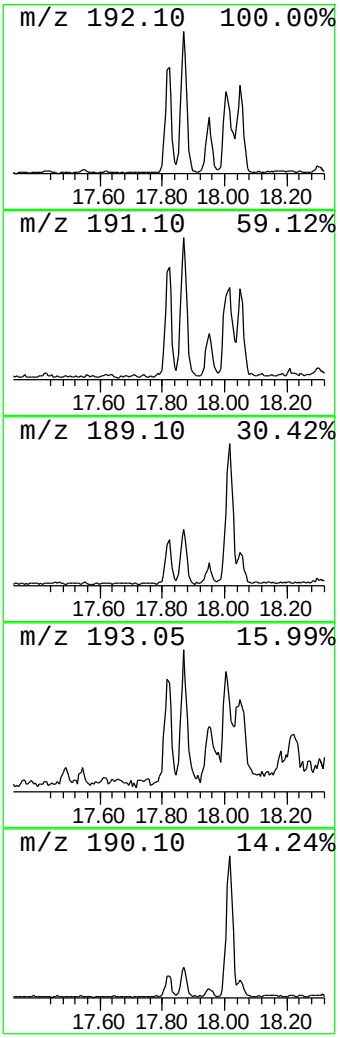
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.82 | 6.71 ng/ul | 706757 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 2 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 96 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 95 |
| 4 | Naphtho[2,3-b]norbornadiene | 192 | C15H12 | 107426-38-0 | 93 |
| 5 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 93 |



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Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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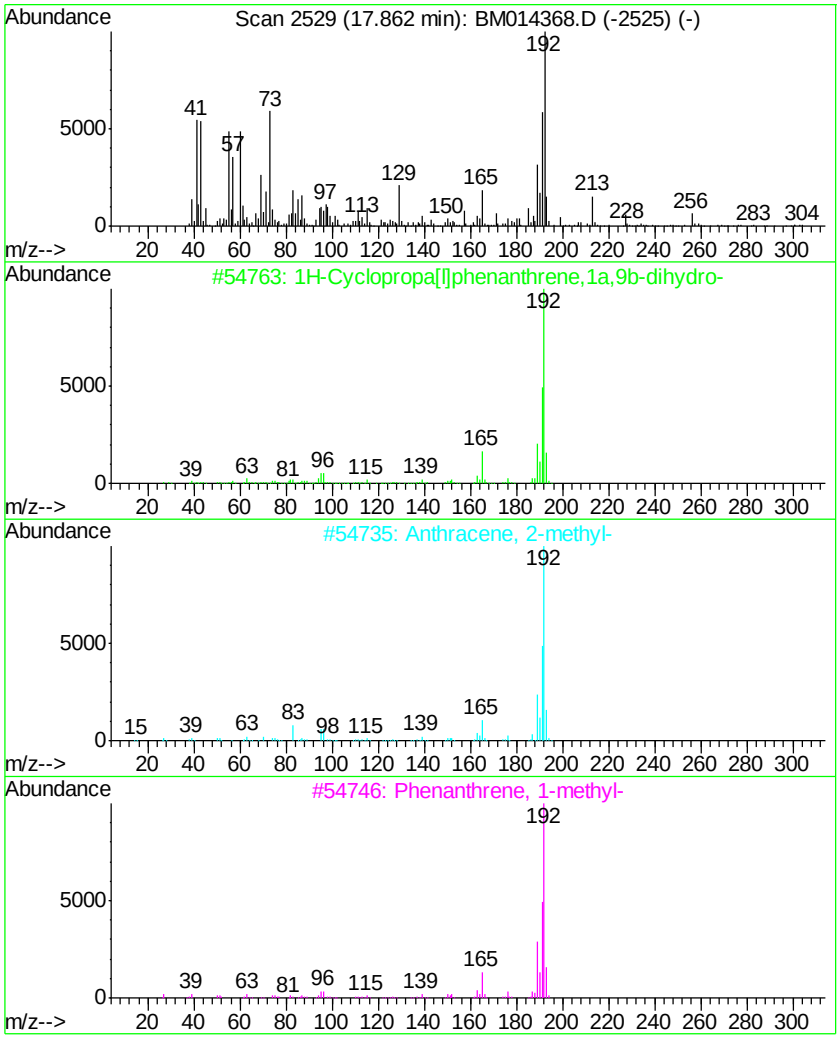
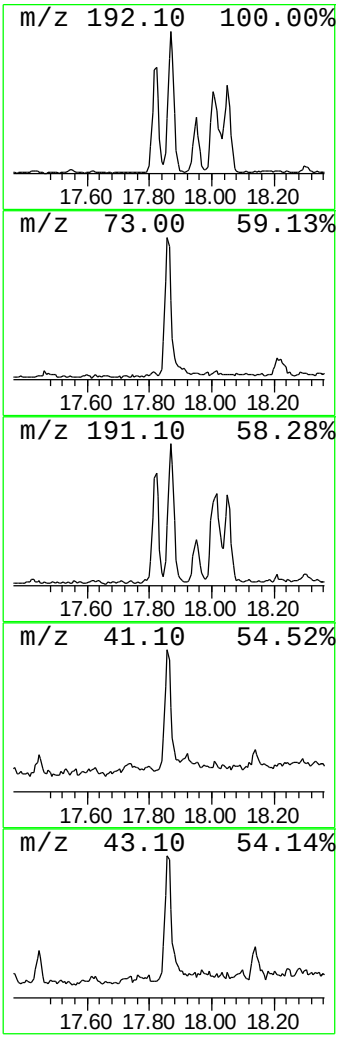
Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.86 | 18.38 ng/ul | 1935580 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 92 |
| 2 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 91 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 90 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 90 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 78 |



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Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

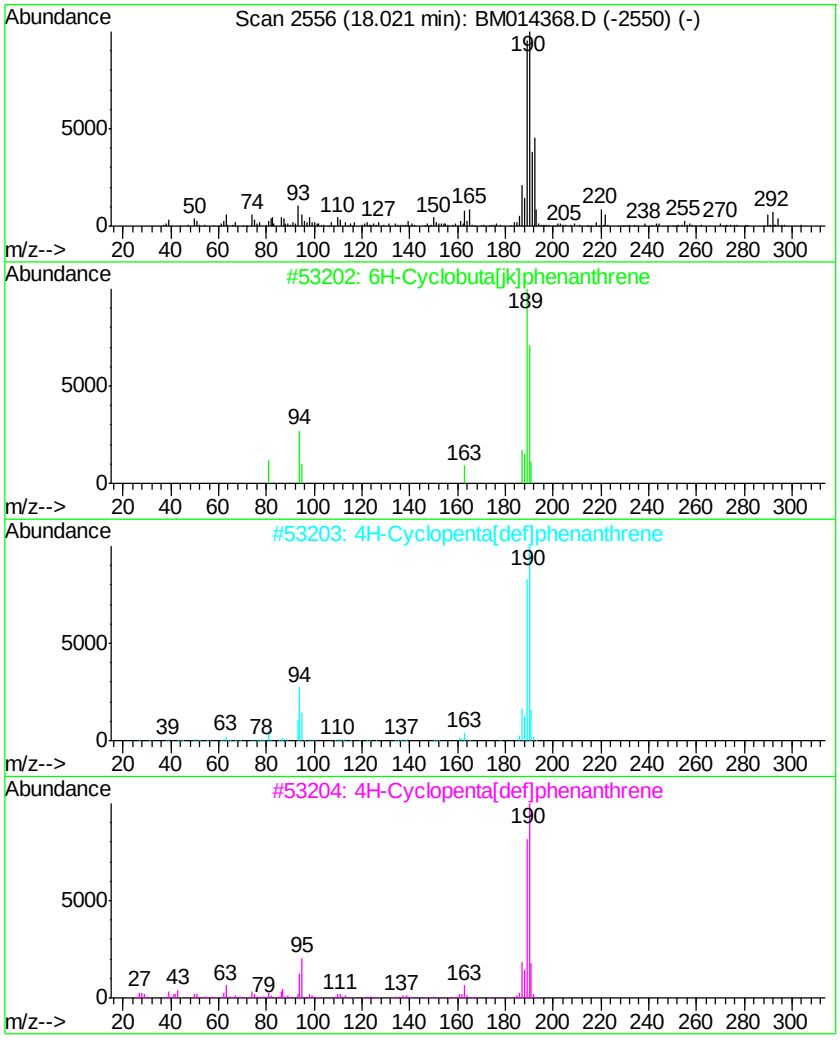
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

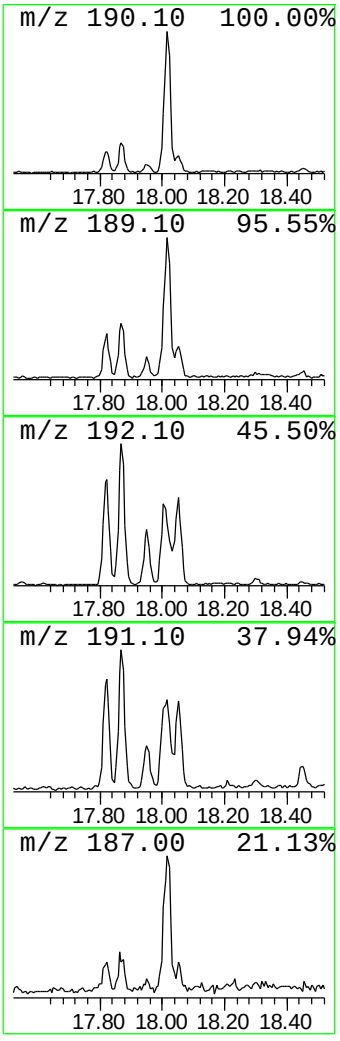
**********

Peak Number 13 6H-Cyclobuta[jk]phenanthrene Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.02 | 10.99 ng/ul | 1156940 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 58 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 58 |
| 3 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 53 |
| 4 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 47 |
| 5 | 5H-Dibenzo[a,d]cycloheptene | 192 | C15H12 | 000256-81-5 | 35 |



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Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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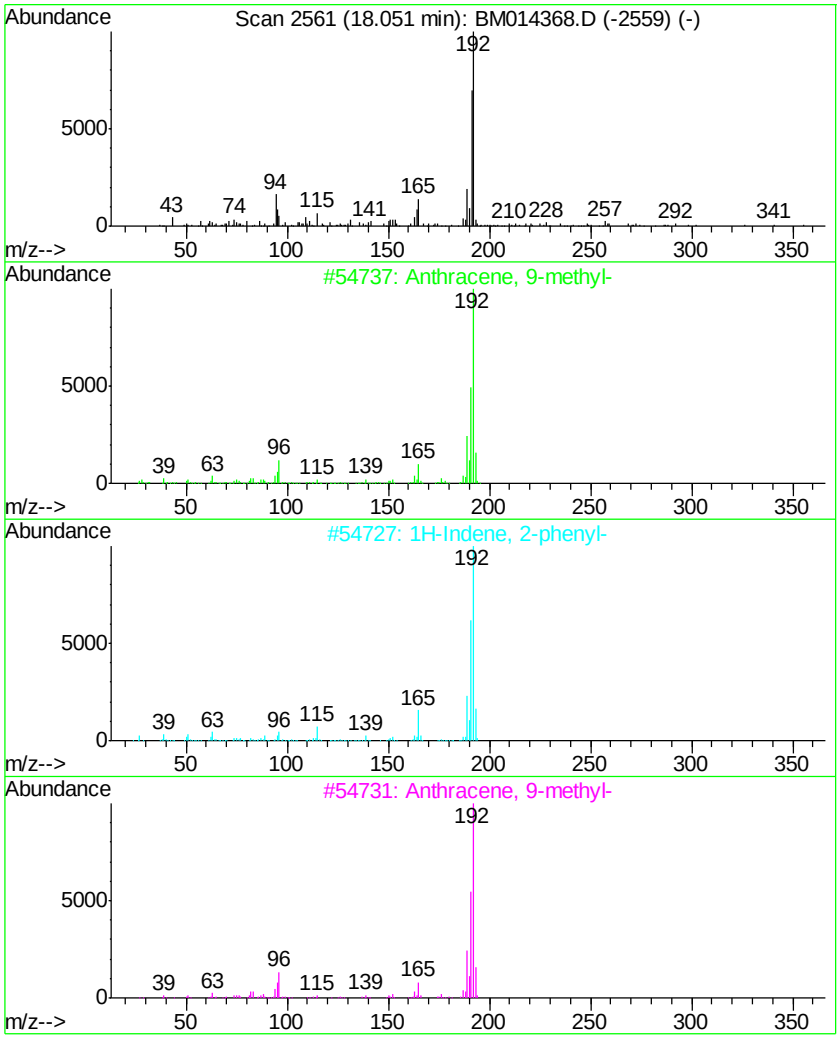
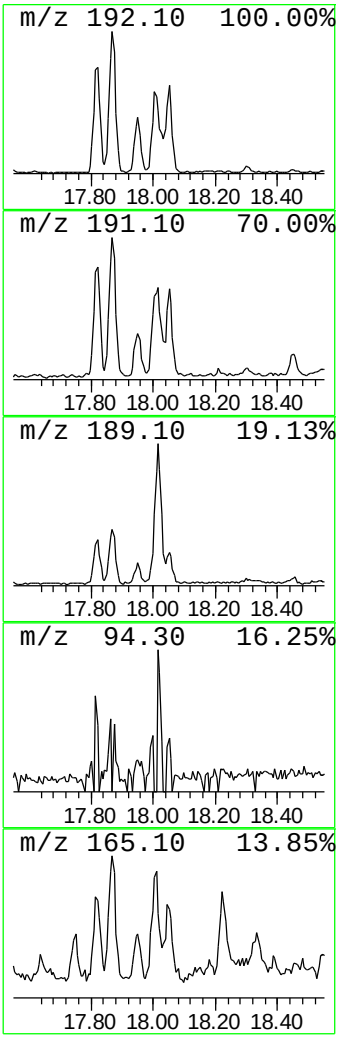
Peak Number 14 Anthracene, 9-methyl- Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.05 | 4.35 ng/ul | 458134 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 76 |
| 2 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 74 |
| 3 | Anthracene, 9-methyl- | 192 | C15H12 | 000779-02-2 | 74 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 74 |
| 5 | 1H-Indene, 2-phenyl- | 192 | C15H12 | 004505-48-0 | 72 |



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Acq On : 26 Feb 2018 22:12
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Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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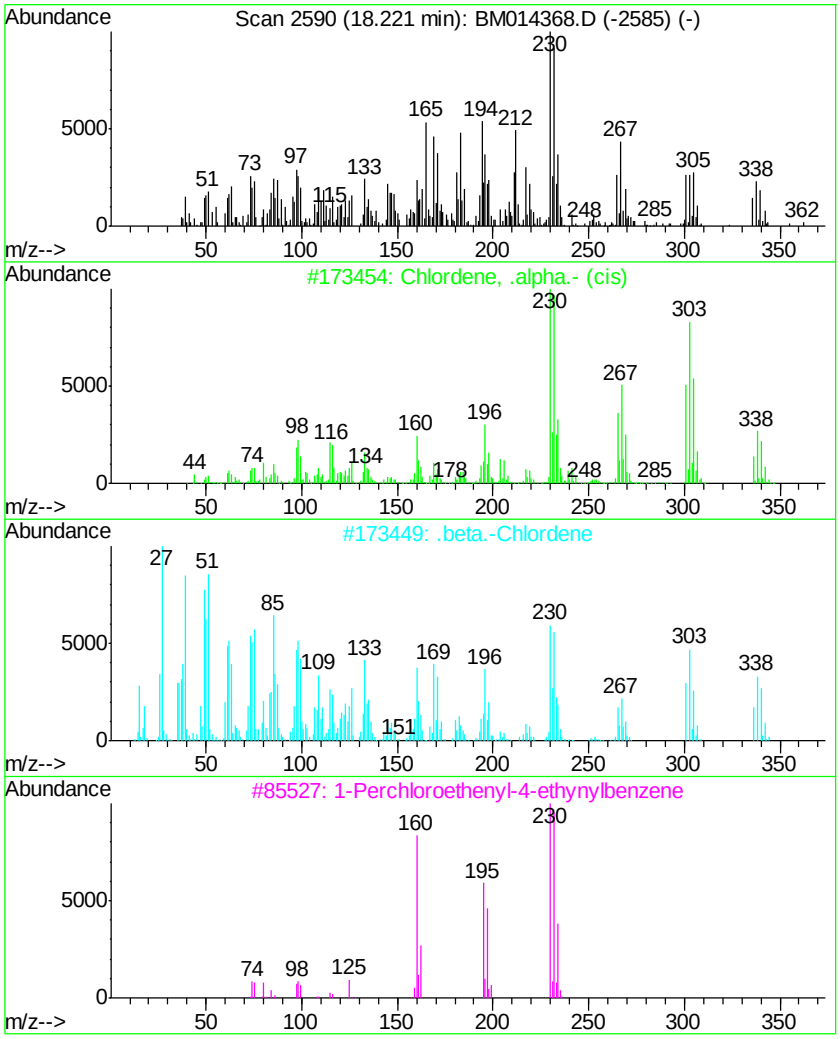
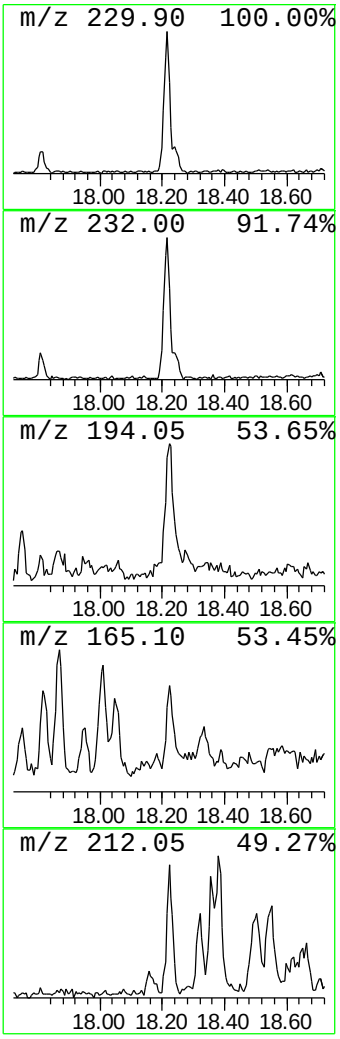
Peak Number 15 Chlordene, .alpha.- (cis) Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.22 | 15.00 ng/ul | 1578860 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Chlordene, .alpha.- (cis) | 336 | C10H6Cl6 | 1000378-50-5 | 95 |
| 2 | .beta.-Chlordene | 336 | C10H6Cl6 | 056534-03-3 | 91 |
| 3 | 1-Perchloroethenyl-4-ethynylbenzene | 230 | C10H5Cl3 | 1000283-76-9 | 90 |
| 4 | 1,6-Methano-1H-indene, 2,3,3a,4,... | 336 | C10H6Cl6 | 056641-38-4 | 80 |
| 5 | 1,6-Methano-1H-indene, 2,3,3a,4,... | 336 | C10H6Cl6 | 069743-73-3 | 78 |



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Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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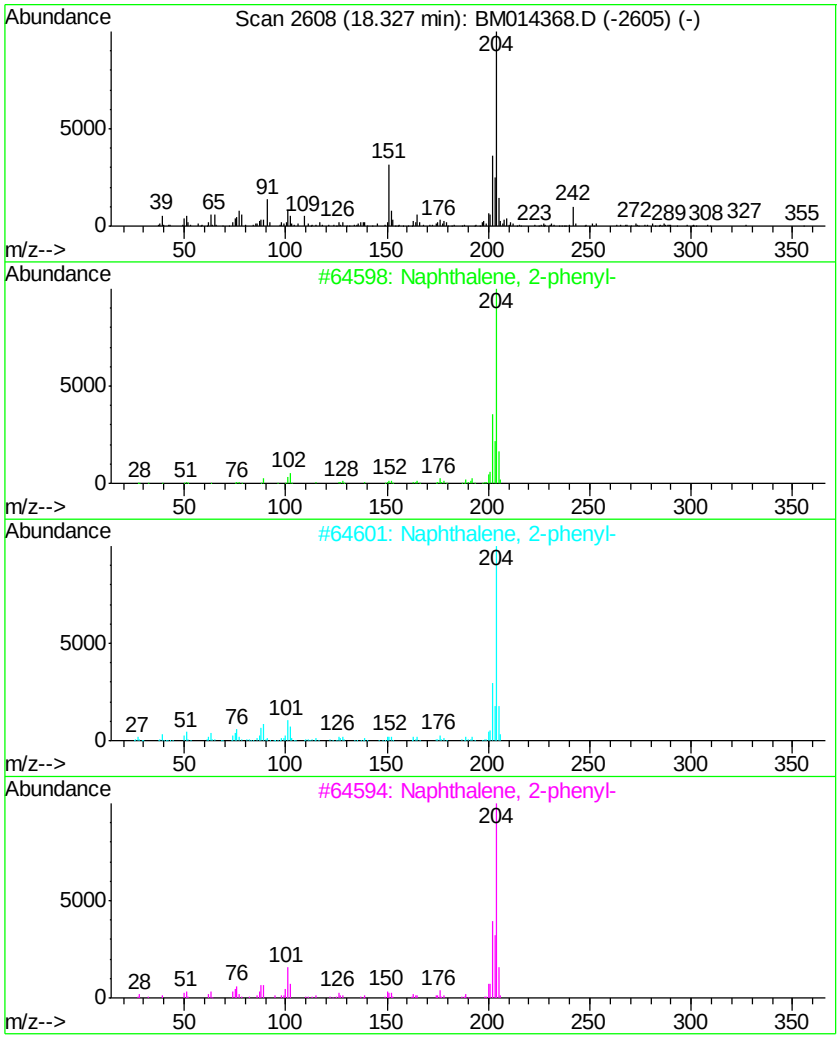
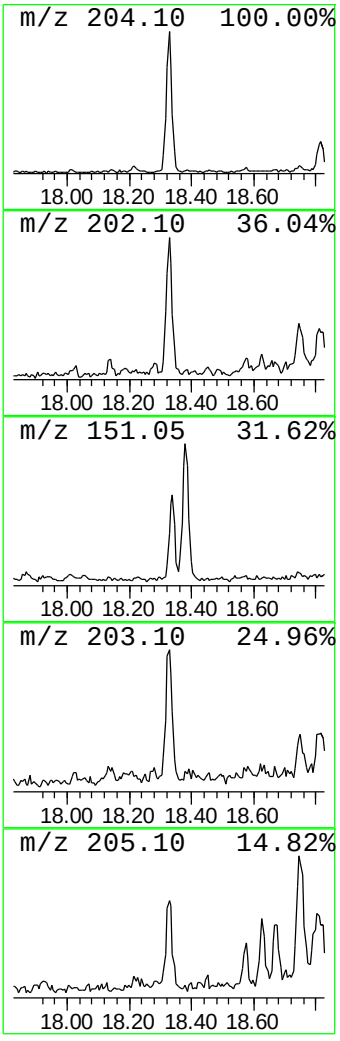
Peak Number 16 unknown-03 Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.33 | 4.37 ng/ul | 459925 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 45 |
| 2 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 41 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 41 |
| 4 | [1,1'-Biphenyl]-4,4'-dicarbonitrile | 204 | C14H8N2 | 001591-30-6 | 38 |
| 5 | 6-Phenylbenzocyclohepten-7-one | 232 | C17H12O | 093327-56-1 | 38 |



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Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

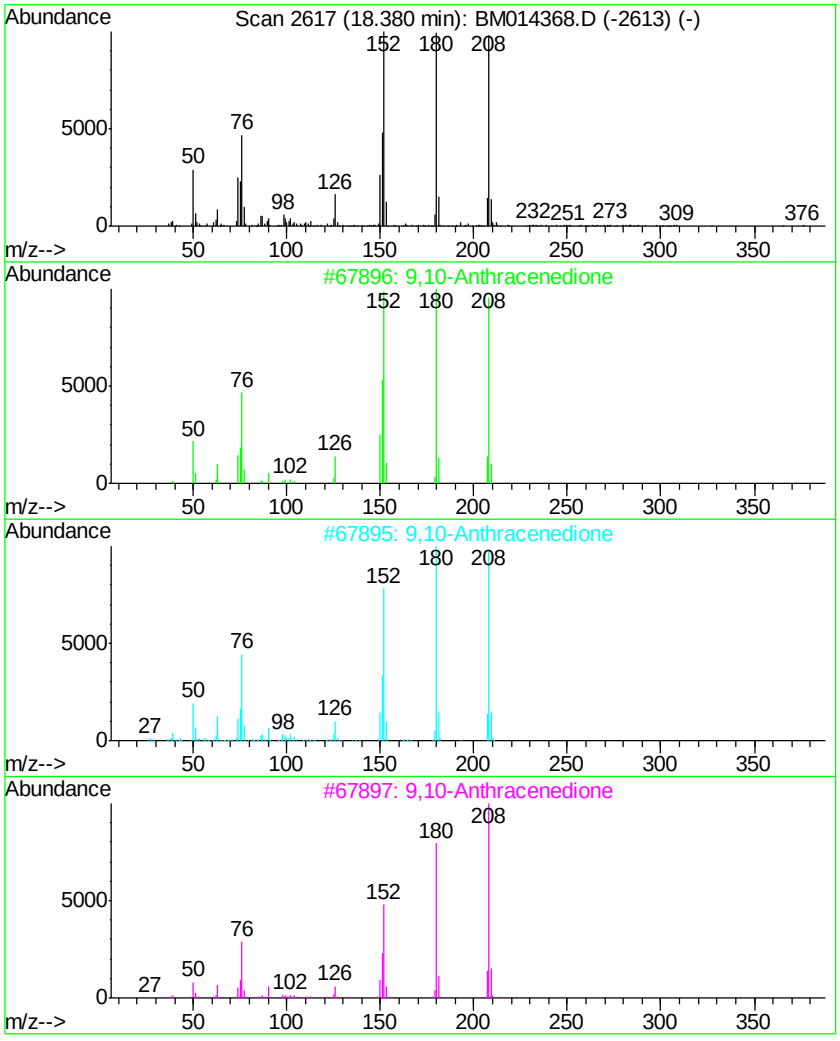
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

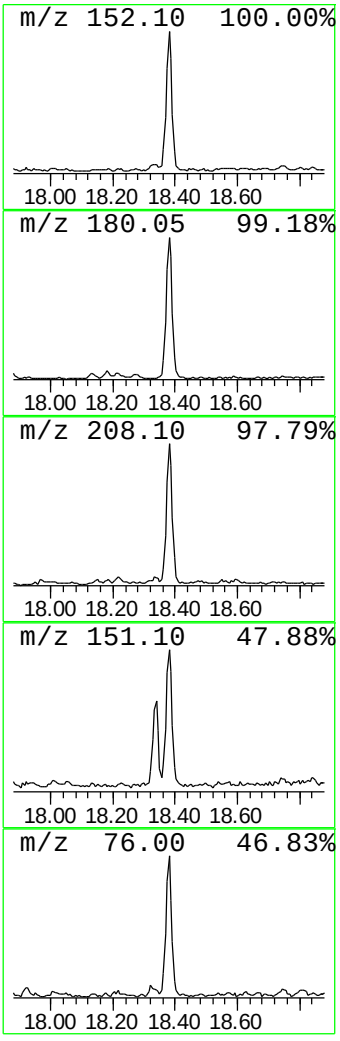
**********

Peak Number 17 9,10-Anthracenedione Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.38 | 12.65 ng/ul | 1332240 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 95 |
| 2 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 94 |
| 3 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 94 |
| 4 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 83 |
| 5 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 83 |



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Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

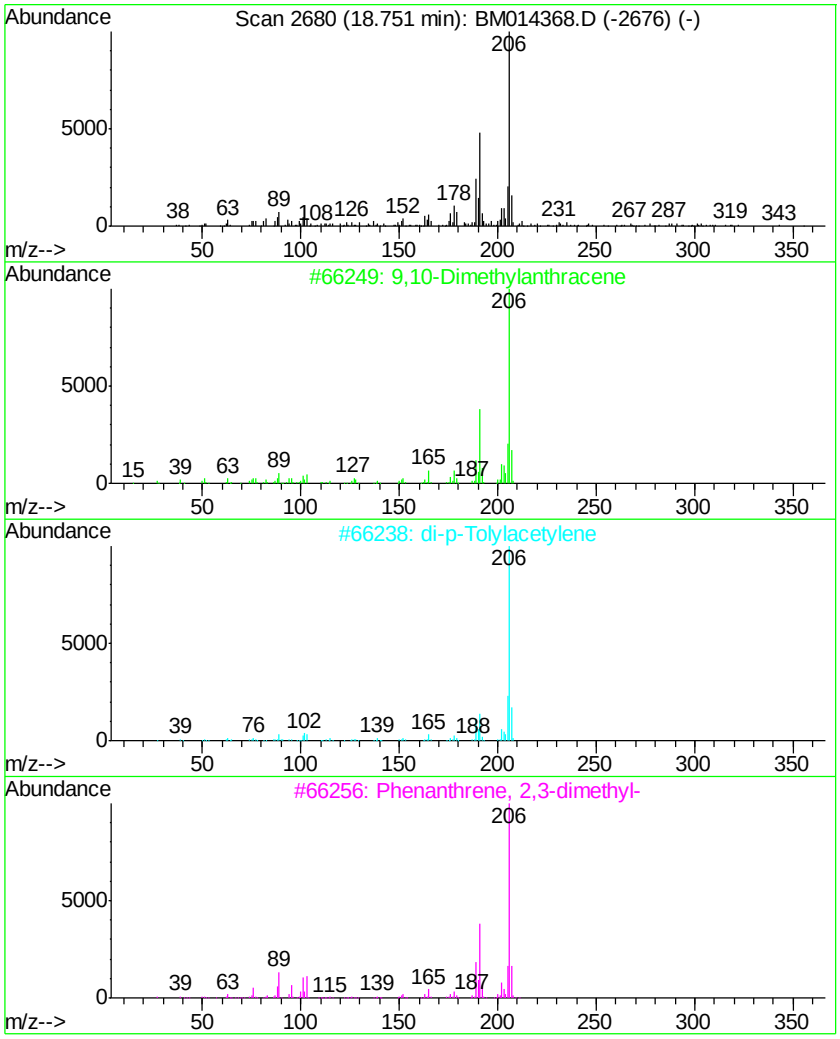
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

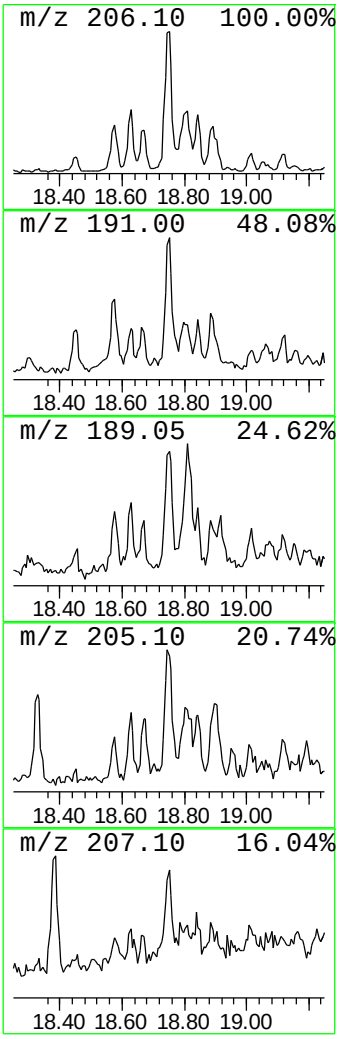
**********

Peak Number 18 9,10-Dimethylanthracene Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.75 | 4.18 ng/ul | 439794 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 94 |
| 2 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 93 |
| 3 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 90 |
| 4 | Anthracene, 1,4-dimethyl- | 206 | C16H14 | 000781-92-0 | 89 |
| 5 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 89 |



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Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

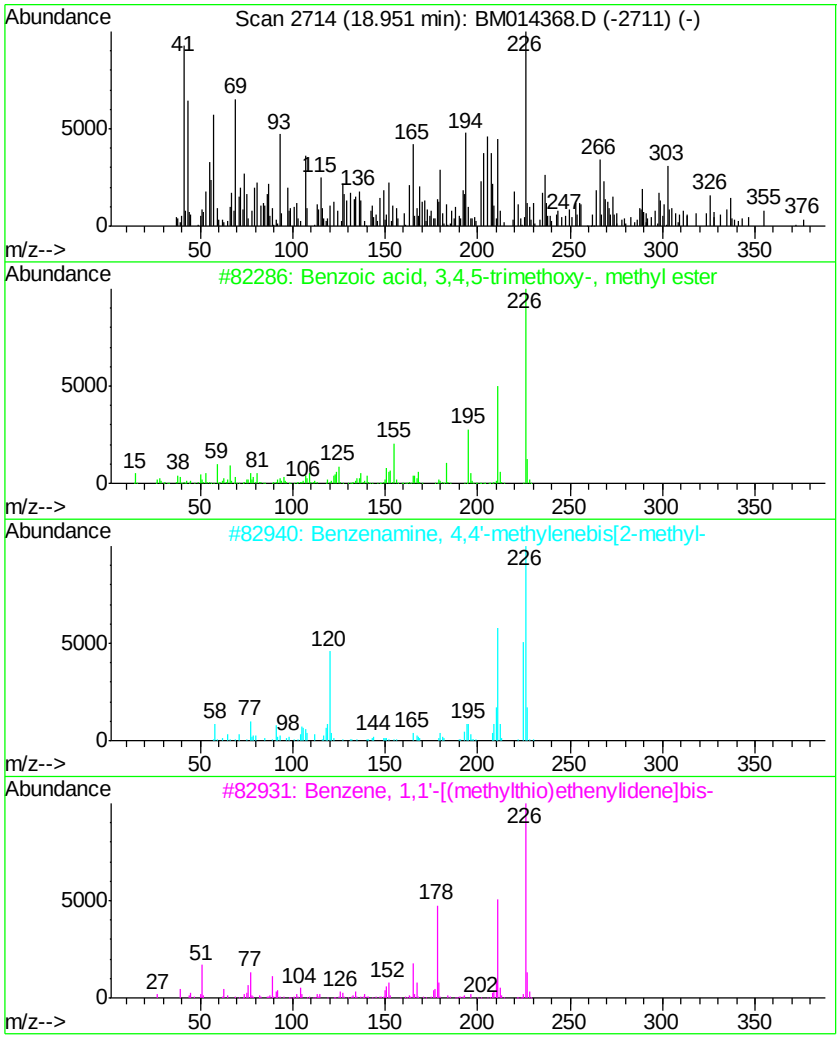
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

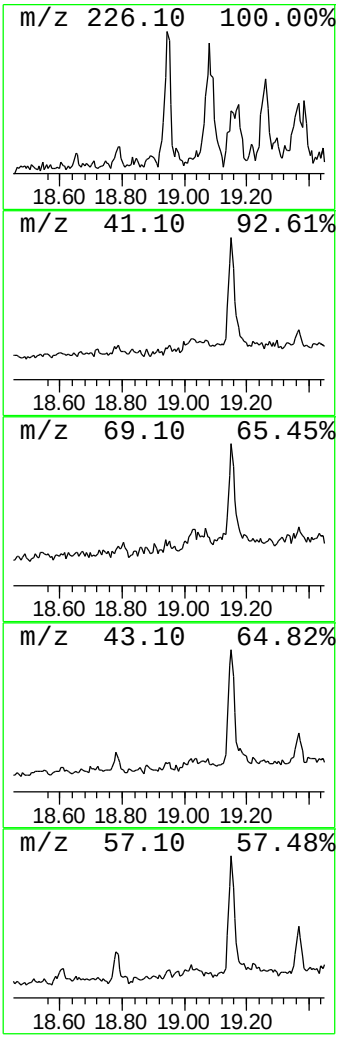
**********

Peak Number 19 Benzoic acid, 3,4,5-trimeth... Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.95 | 2.23 ng/ul | 235142 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzoic acid, 3,4,5-trimethoxy-,... | 226 | C11H14O5 | 001916-07-0 | 51 |
| 2 | Benzenamine, 4,4'-methylenebis[2... | 226 | C15H18N2 | 000838-88-0 | 30 |
| 3 | Benzene, 1,1'-[(methylthio)ethen... | 226 | C15H14S | 015096-10-3 | 30 |
| 4 | Benzenamine, 4,4'-methylenebis[2... | 226 | C15H18N2 | 000838-88-0 | 30 |
| 5 | Benzoic acid, 3,4,5-trimethoxy-,... | 226 | C11H14O5 | 001916-07-0 | 30 |



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Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

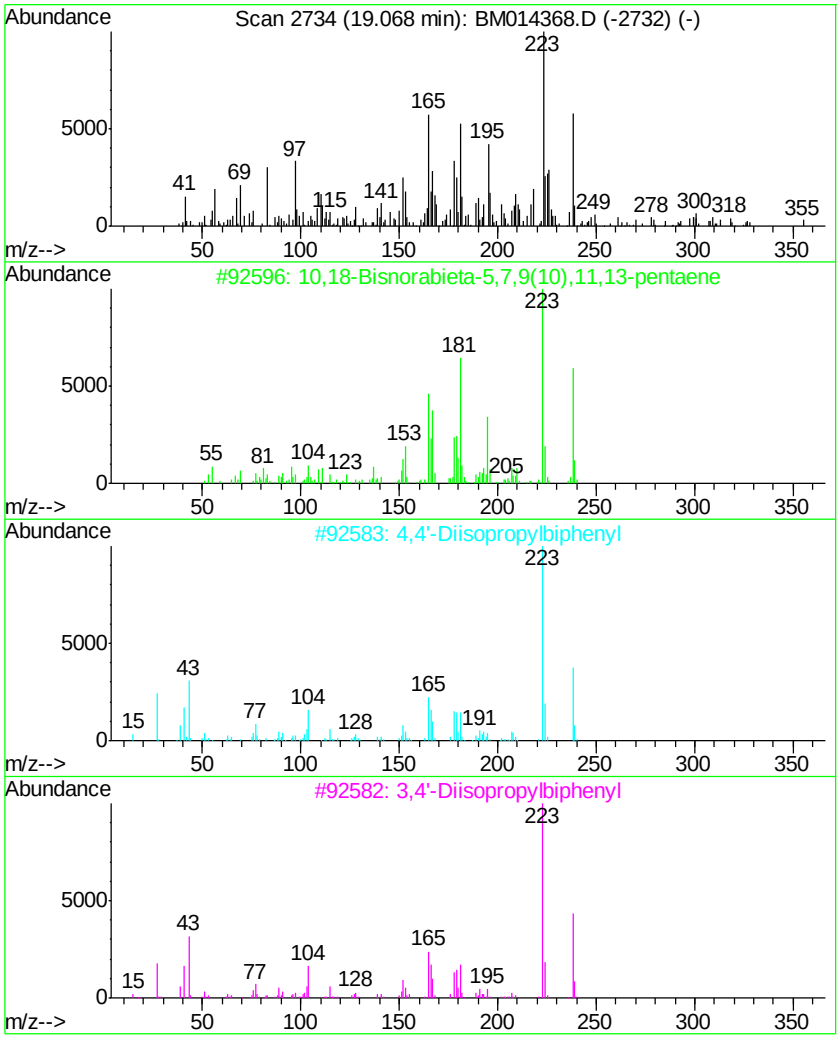
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

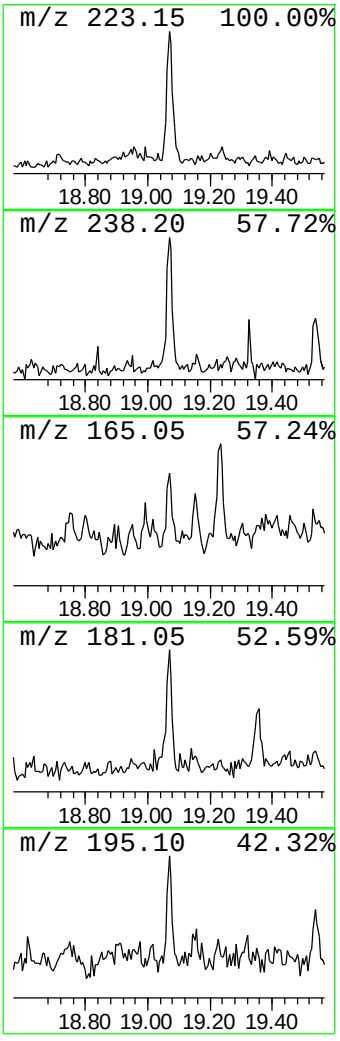
**********

Peak Number 20 unknown-04 Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.07 | 2.19 ng/ul | 526797 | Chrysene-d12 | 21.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 10,18-Bisnorabieta-5,7,9(10),11,... | 238 | C18H22 | 006566-19-4 | 42 |
| 2 | 4,4'-Diisopropylbiphenyl | 238 | C18H22 | 018970-30-4 | 35 |
| 3 | 3,4'-Diisopropylbiphenyl | 238 | C18H22 | 061434-46-6 | 35 |
| 4 | Tetrachloro-o-benzoquinone | 244 | C6Cl4O2 | 002435-53-2 | 25 |
| 5 | 2-Morpholin-4-yl-5,6-dihydro-4H-... | 238 | C11H14N2O2S | 313251-21-7 | 25 |



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Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

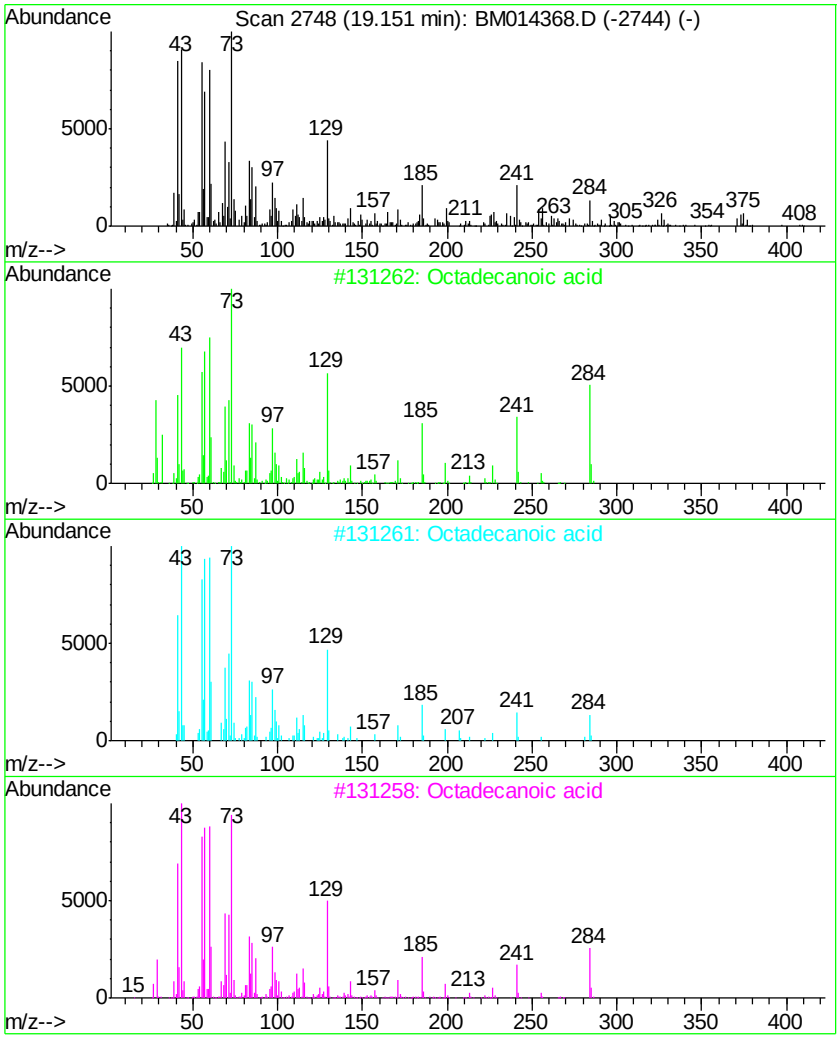
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

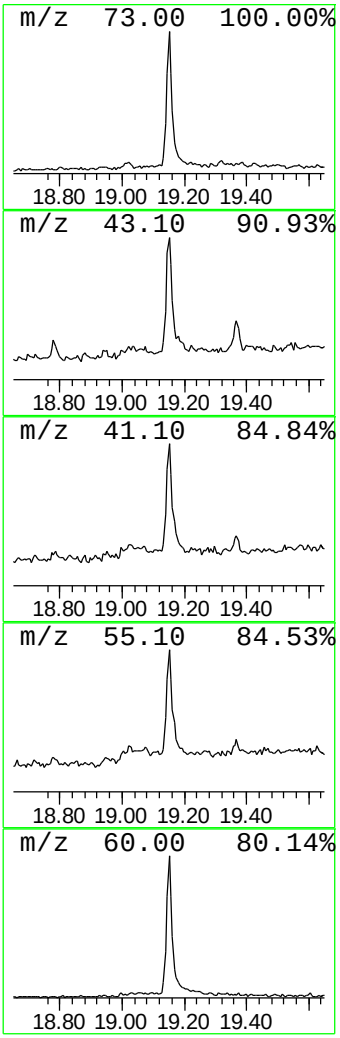
**********

Peak Number 21 Octadecanoic acid Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.15 | 9.83 ng/ul | 2369840 | Chrysene-d12 | 21.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 2 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 3 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 99 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 98 |
| 5 | n-Decanoic acid | 172 | C10H20O2 | 000334-48-5 | 96 |



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Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

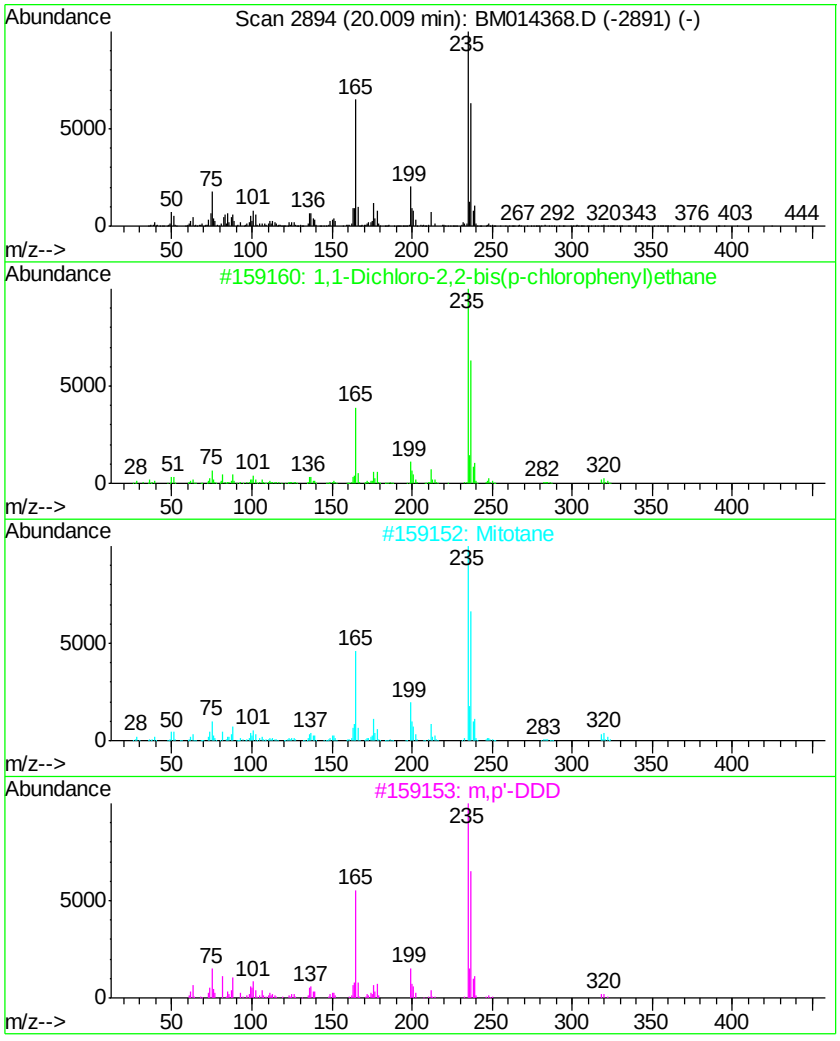
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

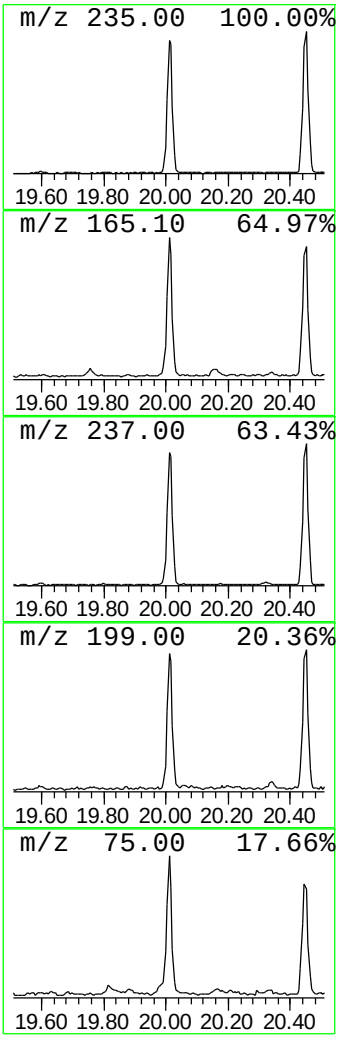
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 22 1,1-Dichloro-2,2-bis(p-chlo... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.01 | 14.00 ng/ul | 3374050 | Chrysene-d12 | 21.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1-Dichloro-2,2-bis(p-chlorophe... | 318 | C14H10Cl4 | 000072-54-8 | 94 |
| 2 | Mitotane | 318 | C14H10Cl4 | 000053-19-0 | 91 |
| 3 | m,p'-DDD | 318 | C14H10Cl4 | 004329-12-8 | 91 |
| 4 | Mitotane | 318 | C14H10Cl4 | 000053-19-0 | 90 |
| 5 | 1,1-Bis(p-chlorophenyl)chloromet... | 270 | C13H9Cl3 | 000782-08-1 | 86 |



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Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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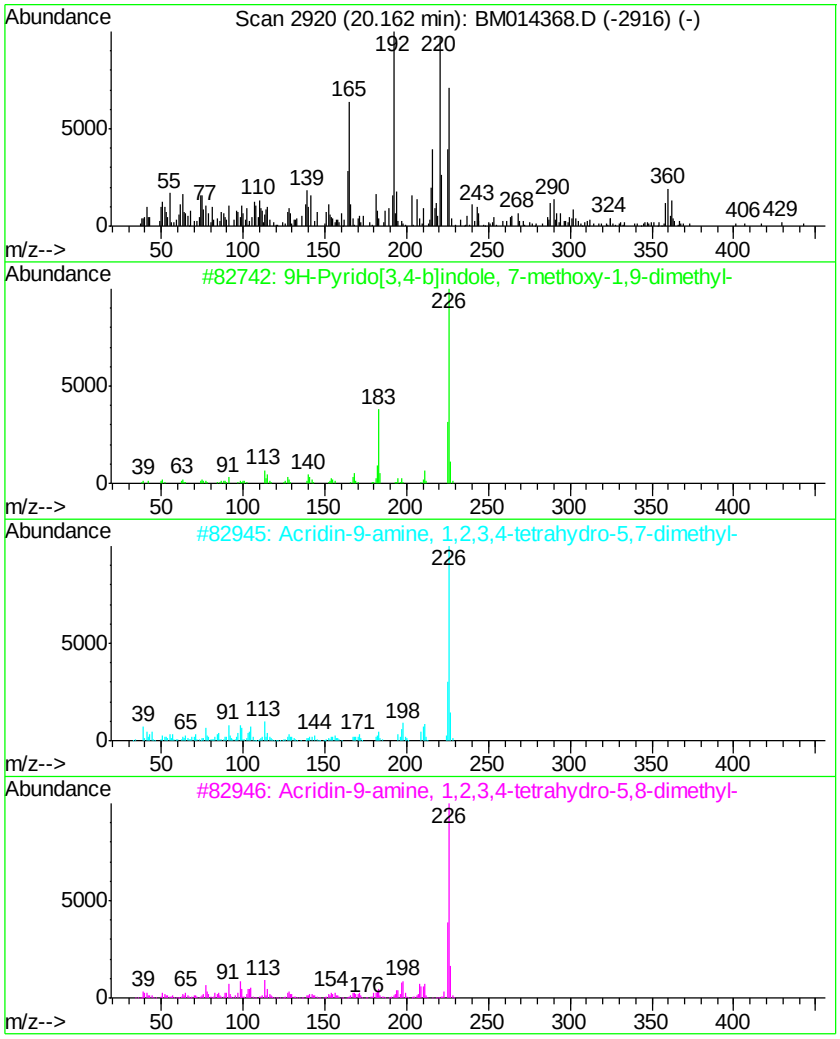
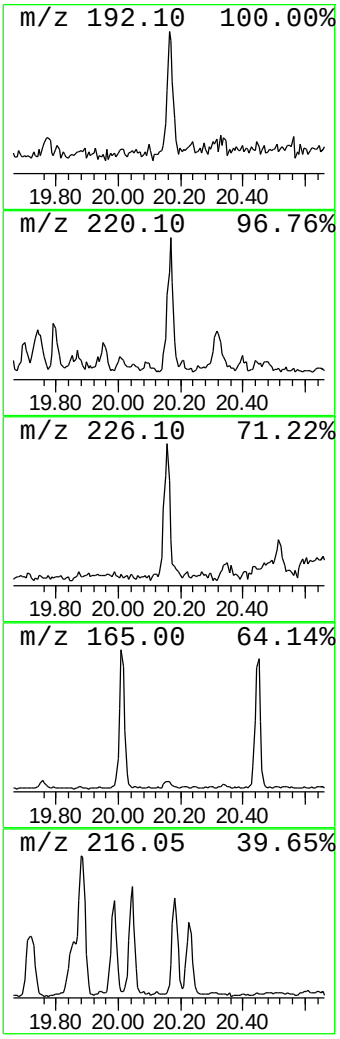
Peak Number 23 unknown-05 Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.16 | 3.79 ng/ul | 912894 | Chrysene-d12 | 21.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Pyrido[3,4-b]indole, 7-methox... | 226 | C14H14N2O | 143502-37-8 | 38 |
| 2 | Acridin-9-amine, 1,2,3,4-tetrahy... | 226 | C15H18N2 | 1000300-57-6 | 35 |
| 3 | Acridin-9-amine, 1,2,3,4-tetrahy... | 226 | C15H18N2 | 297758-19-1 | 30 |
| 4 | Benzenamine, 4,4'-methylenebis[2... | 226 | C15H18N2 | 000838-88-0 | 30 |
| 5 | 9H-Xanthen-9-one, 2-methoxy- | 226 | C14H10O3 | 001214-20-6 | 25 |



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Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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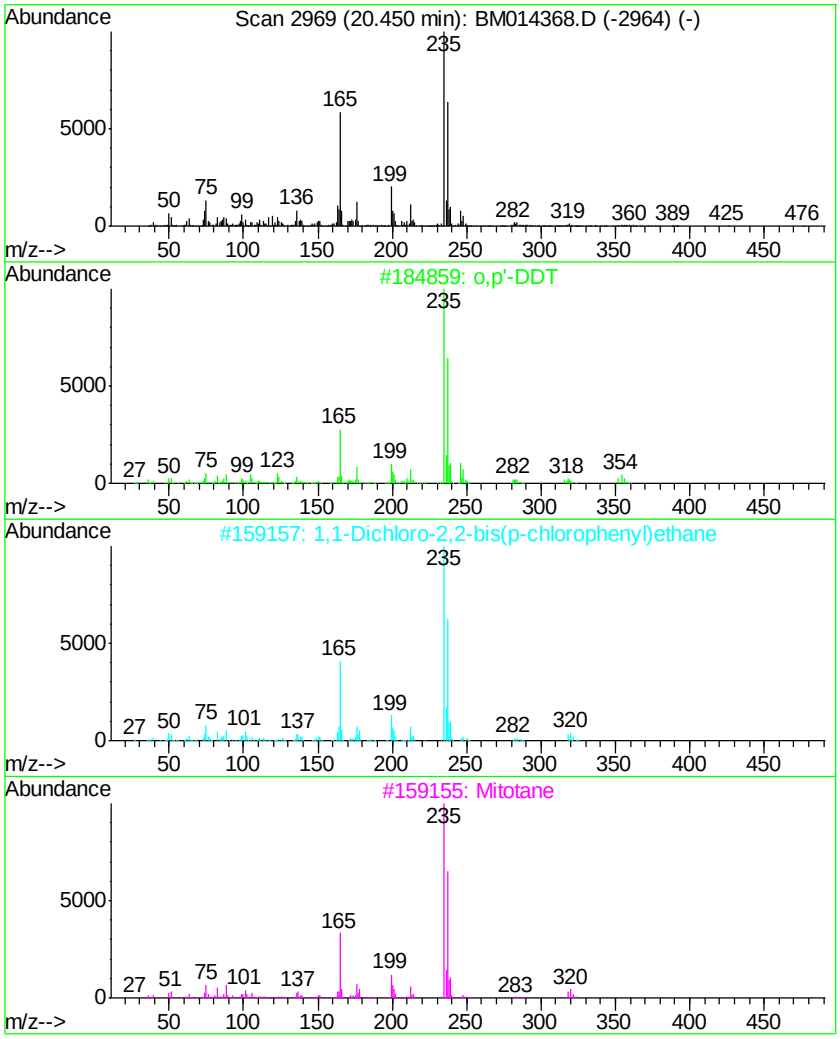
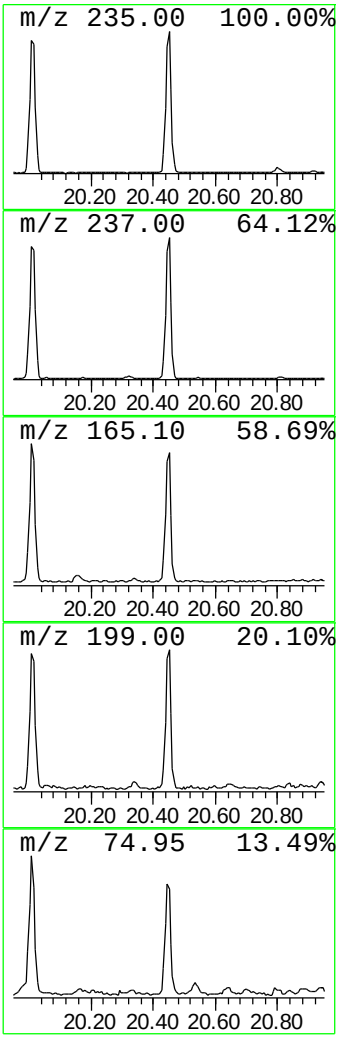
Peak Number 24 o,p'-DDT Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.45 | 18.94 ng/ul | 4566070 | Chrysene-d12 | 21.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o,p'-DDT | 352 | C14H9Cl5 | 000789-02-6 | 97 |
| 2 | 1,1-Dichloro-2,2-bis(p-chlorophe... | 318 | C14H10Cl4 | 000072-54-8 | 93 |
| 3 | Mitotane | 318 | C14H10Cl4 | 000053-19-0 | 91 |
| 4 | p,p'-DDT | 352 | C14H9Cl5 | 000050-29-3 | 91 |
| 5 | m,p'-DDD | 318 | C14H10Cl4 | 004329-12-8 | 90 |



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Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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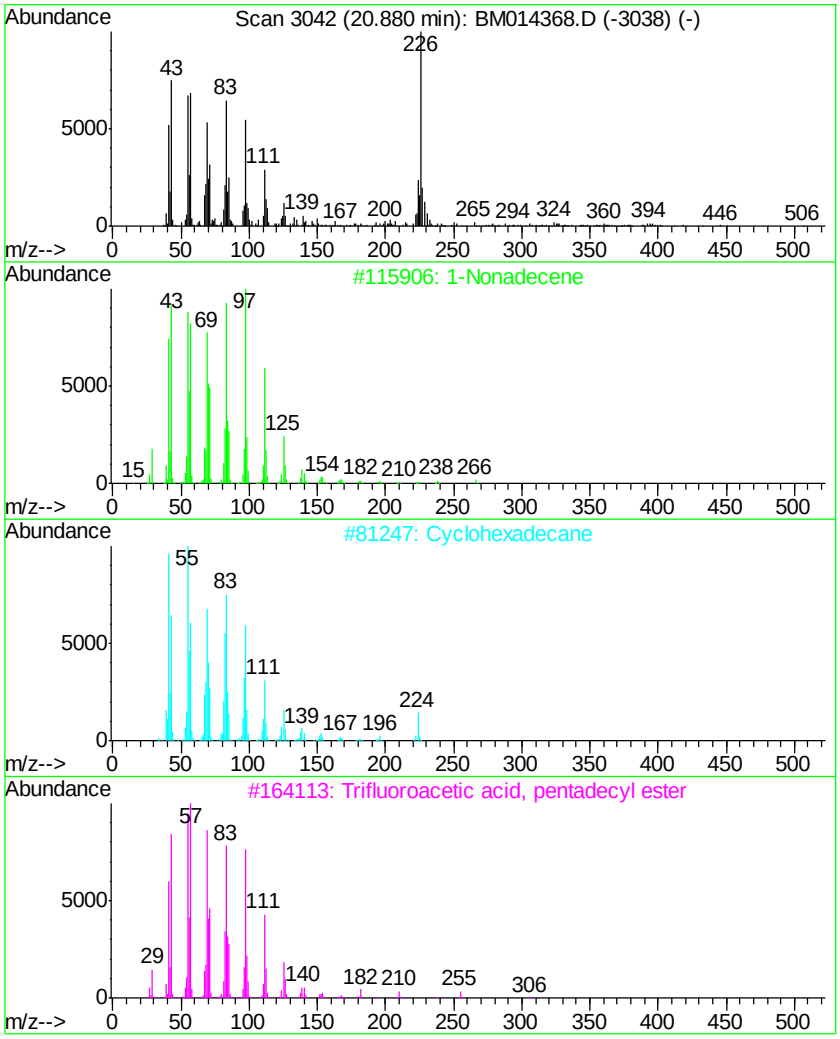
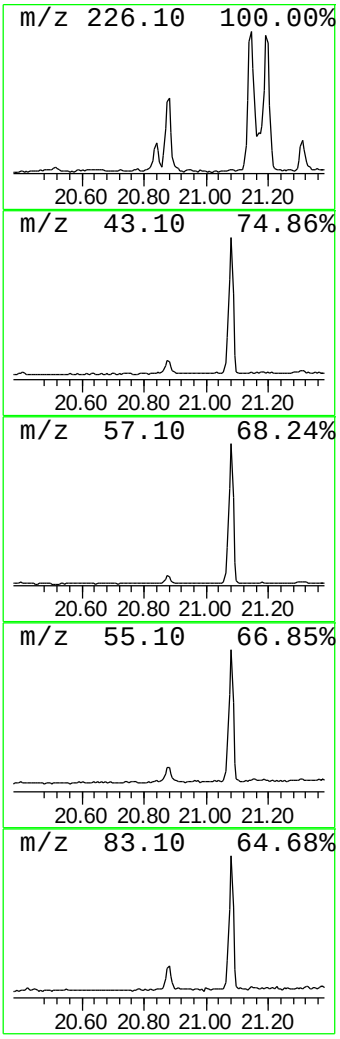
Peak Number 25 (DEL) Alkane: Cyclic20.88 Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.88 | 6.62 ng/ul | 1595440 | Chrysene-d12 | 21.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 83 |
| 2 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 64 |
| 3 | Trifluoroacetic acid, pentadecyl... | 324 | C17H31F3O2 | 959010-23-2 | 53 |
| 4 | Heptadecyl heptafluorobutyrate | 452 | C21H35F7O2 | 959085-66-6 | 46 |
| 5 | 1-Tricosene | 322 | C23H46 | 018835-32-0 | 46 |



Library Search Compound Report

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Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

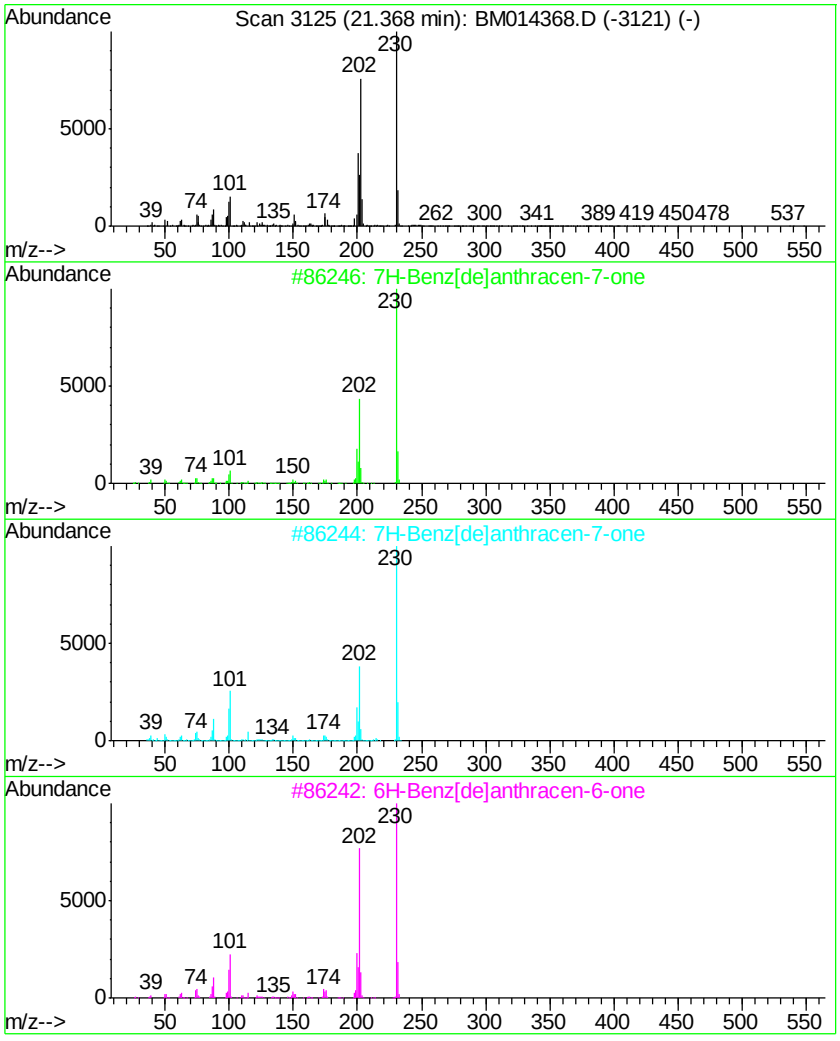
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

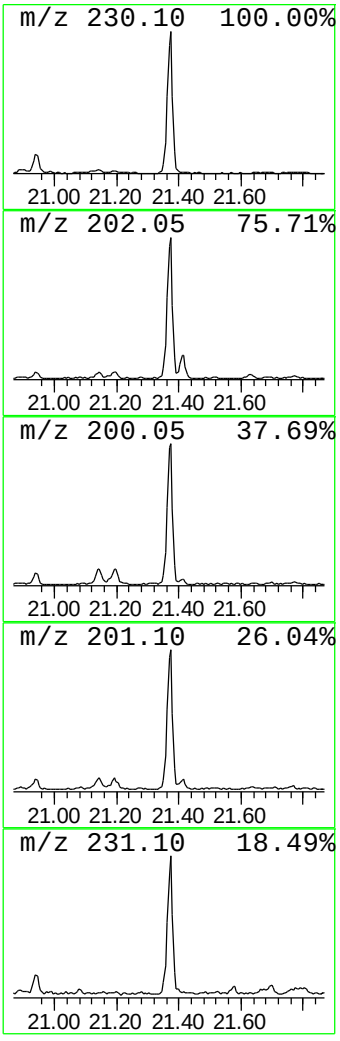
**********

Peak Number 26 7H-Benz[de]anthracen-7-one Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.37 | 19.25 ng/ul | 4639530 | Chrysene-d12 | 21.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 98 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 96 |
| 3 | 6H-Benz[de]anthracen-6-one | 230 | C17H10O | 080252-14-8 | 95 |
| 4 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 95 |
| 5 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 94 |



Library Search Compound Report

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Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

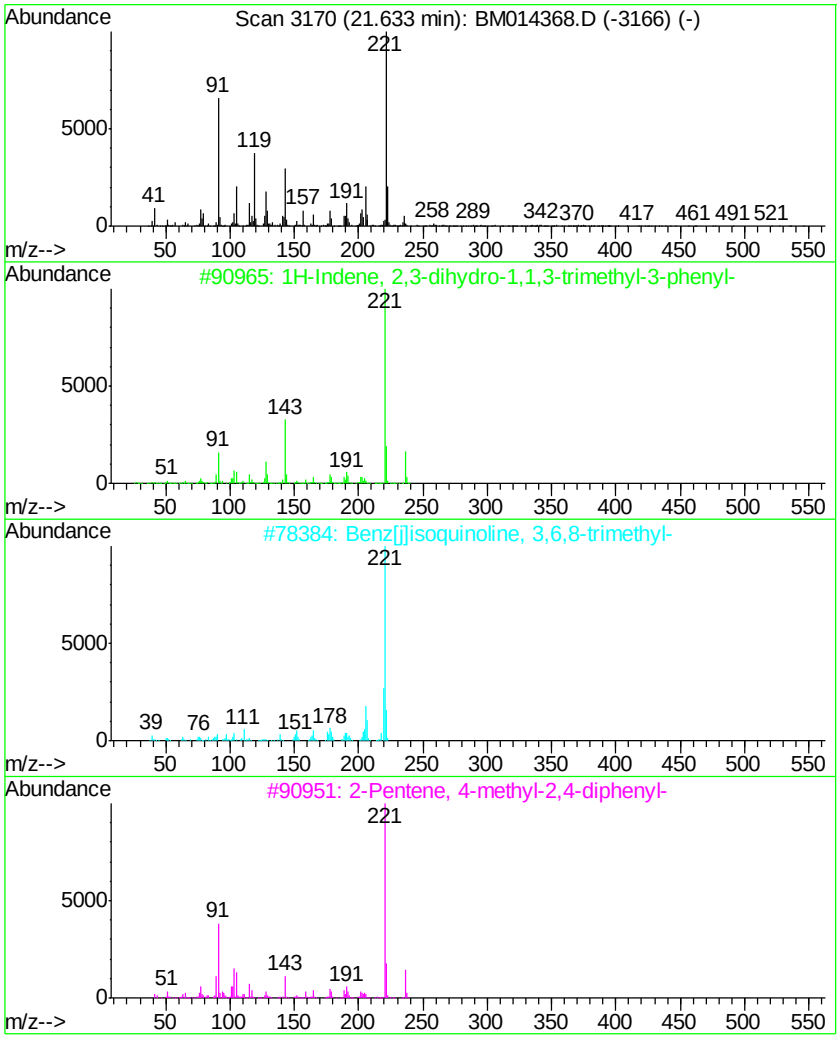
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

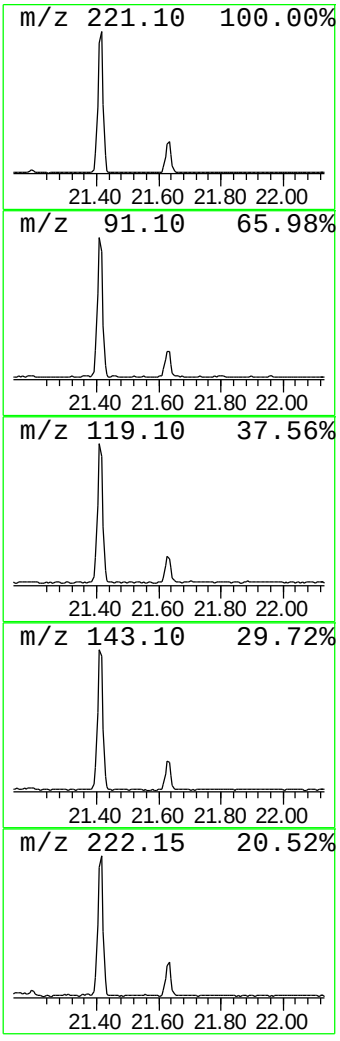
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 28 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.63 | 7.76 ng/ul | 1870630 | Chrysene-d12 | 21.16 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,1,3-tri... | 236 | C18H20 | 003910-35-8 | 53 |
| 2 | Benz[j]isoquinoline, 3,6,8-trime... | 221 | C16H15N | 061171-16-2 | 53 |
| 3 | 2-Pentene, 4-methyl-2,4-diphenyl- | 236 | C18H20 | 006258-73-7 | 40 |
| 4 | N-Methyl-m-hemipimide | 221 | C11H11NO4 | 092288-92-1 | 38 |
| 5 | (.+/-.)-2-Phenylbutyric acid, te... | 278 | C16H26O2Si | 1000333-14-6 | 37 |



# Library Search Compound Report

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Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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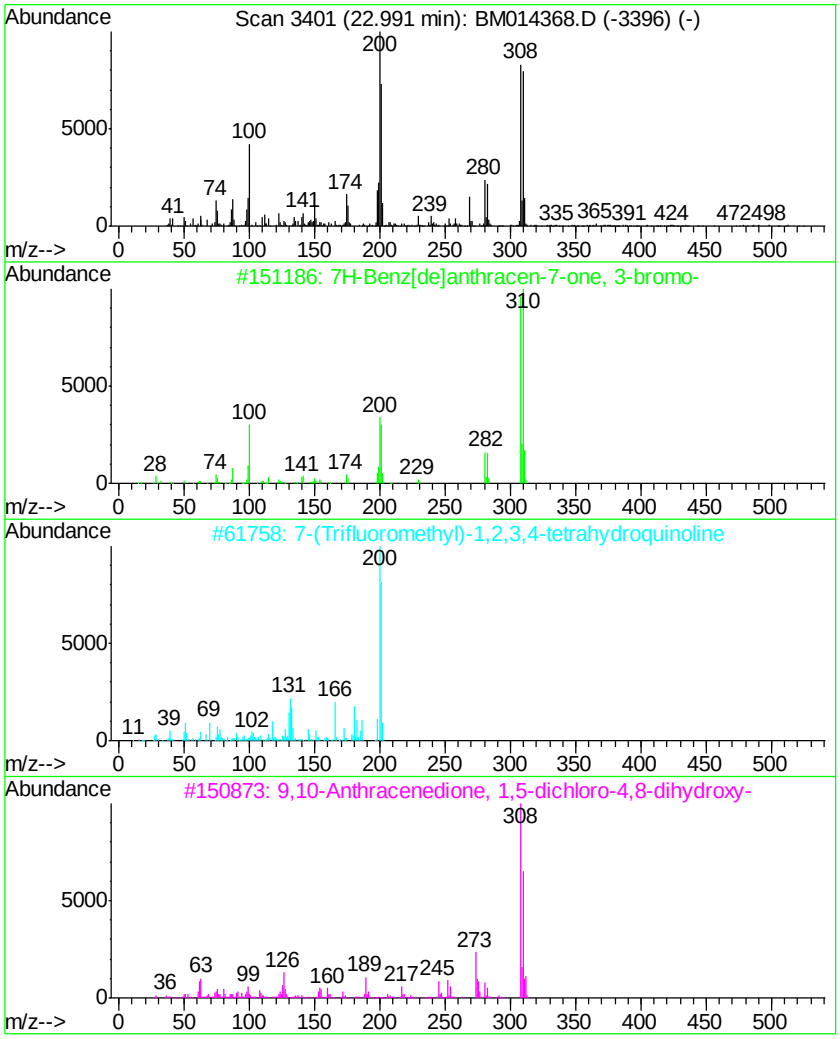
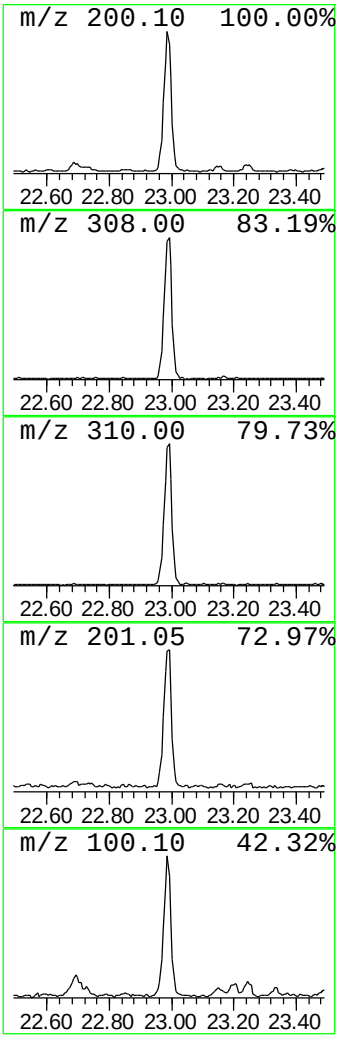
Peak Number 29 7H-Benz[de]anthracen-7-one,... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.99 | 21.15 ng/ul | 2373550 | Perylene-d12 | 23.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7H-Benz[de]anthracen-7-one, 3-br... | 308 | C17H9BrO | 000081-96-9 | 90 |
| 2 | 7-(Trifluoromethyl)-1,2,3,4-tetr... | 201 | C10H10F3N | 1000342-46-2 | 22 |
| 3 | 9,10-Anthracenedione, 1,5-dichlo... | 308 | C14H6Cl2O4 | 006837-97-4 | 22 |
| 4 | 2-Aminocaprylic acid, N-propoxyc... | 413 | C24H47NO4 | 1000325-42-9 | 18 |
| 5 | Benzo[c]phenanthren-6-one, 7-ami... | 310 | C18H18N2O3 | 1000304-04-5 | 15 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

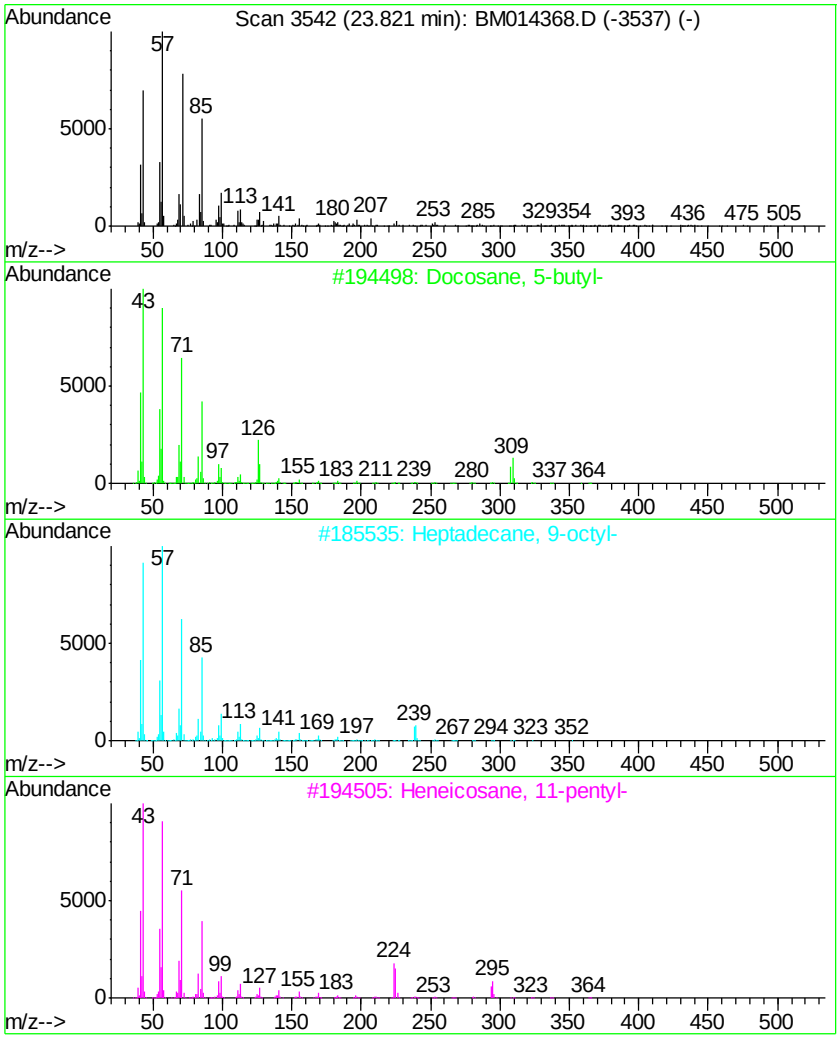
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

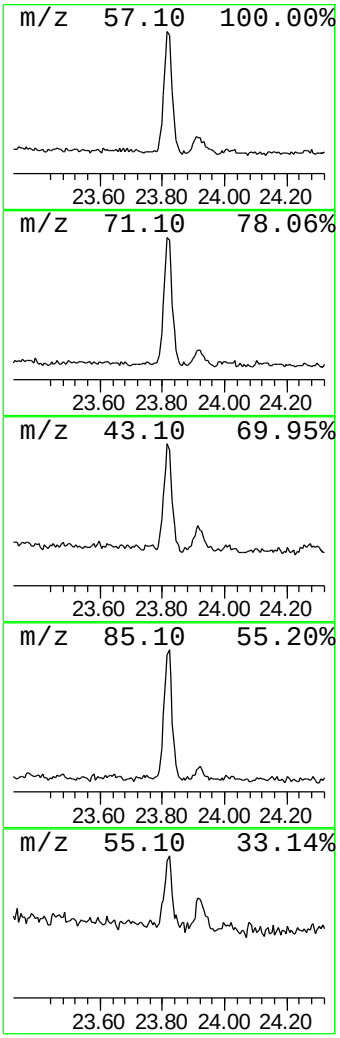
**********

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.82 | 15.15 ng/ul | 1699640 | Perylene-d12 | 23.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Docosane, 5-butyl- | 366 | C26H54 | 055282-16-1 | 93 |
| 2 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 93 |
| 3 | Heneicosane, 11-pentyl- | 366 | C26H54 | 014739-72-1 | 90 |
| 4 | Docosane, 11-butyl- | 366 | C26H54 | 013475-76-8 | 90 |
| 5 | Heptadecane, 3-methyl- | 254 | C18H38 | 006418-44-6 | 90 |



# Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

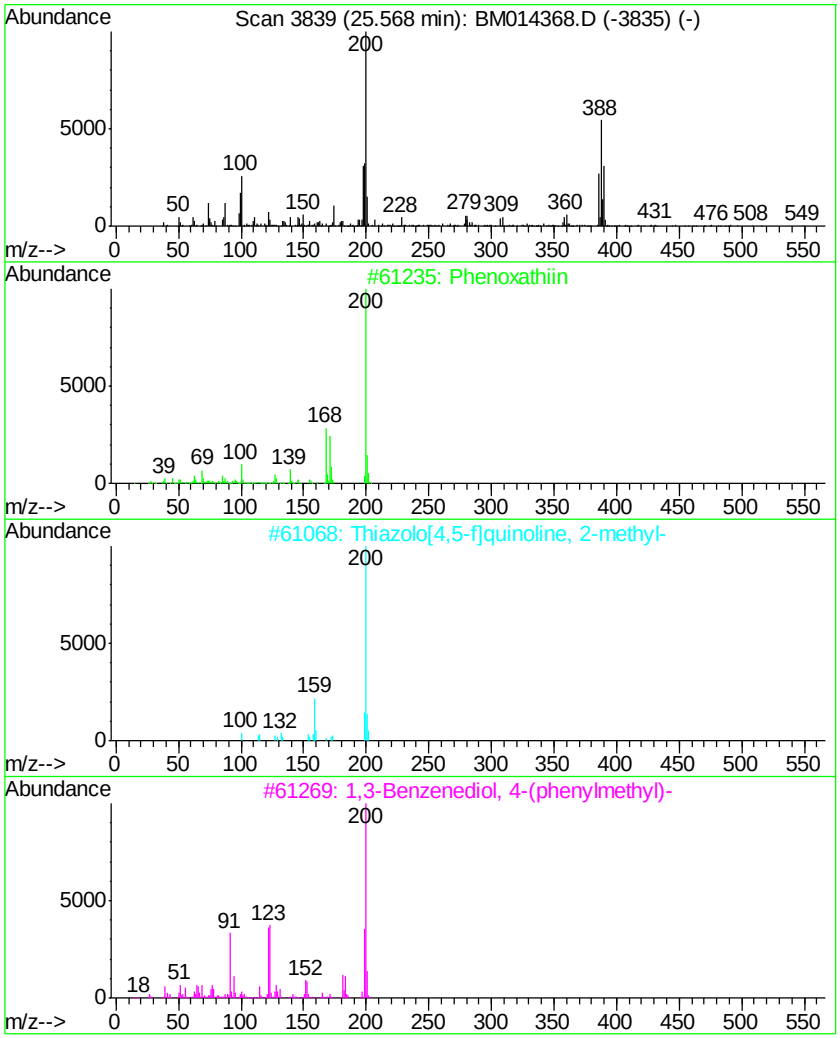
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

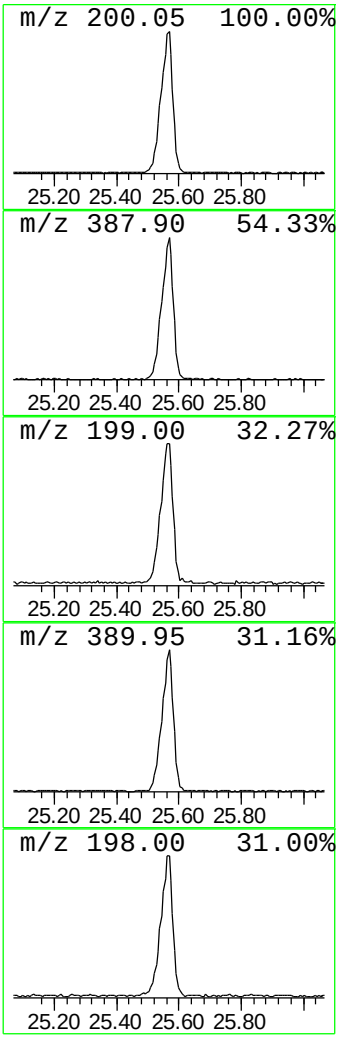
**********

Peak Number 32 unknown-06 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.57 | 32.61 ng/ul | 3658670 | Perylene-d12 | 23.34 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenoxathiin | 200 | C12H8OS | 000262-20-4 | 35 |
| 2 | Thiazolo[4,5-f]quinoline, 2-methyl- | 200 | C11H8N2S | 038463-33-1 | 35 |
| 3 | 1,3-Benzenediol, 4-(phenylmethyl)- | 200 | C13H12O2 | 002284-30-2 | 27 |
| 4 | Phenol, 4,4'-methylenebis- | 200 | C13H12O2 | 000620-92-8 | 27 |
| 5 | Thiazolo[4,5-f]quinoline, 7-methyl- | 200 | C11H8N2S | 003119-54-8 | 27 |



Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM022618\
Data File : BM014368.D
Acq On : 26 Feb 2018 22:12
Operator : SJ/JU
Sample : J1631-08
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BE5Y9

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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 | 4.68 | 4.5 | ng/ul | 254056 | 1 | 7.52 | 1129800 | 20.0 |
| Naphthalene, 1,3-... | 13.50 | 2.4 | ng/ul | 280085 | 3 | 14.18 | 2319700 | 20.0 |
| (DEL) Alkane: Str... | 15.05 | 2.1 | ng/ul | 240941 | 3 | 14.18 | 2319700 | 20.0 |
| Pyridine, 4,4'-(1... | 15.54 | 2.1 | ng/ul | 239701 | 3 | 14.18 | 2319700 | 20.0 |
| (DEL) Alkane: Str... | 15.92 | 4.7 | ng/ul | 495974 | 4 | 16.94 | 2105750 | 20.0 |
| unknown-02 | 16.24 | 3.3 | ng/ul | 347555 | 4 | 16.94 | 2105750 | 20.0 |
| 9H-Fluoren-9-one | 16.60 | 2.3 | ng/ul | 246109 | 4 | 16.94 | 2105750 | 20.0 |
| (DEL) Alkane: Str... | 16.70 | 2.1 | ng/ul | 218523 | 4 | 16.94 | 2105750 | 20.0 |
| Naphtho[1,2-b]thi... | 16.76 | 3.1 | ng/ul | 326763 | 4 | 16.94 | 2105750 | 20.0 |
| Phenanthrene, 1-m... | 17.82 | 6.7 | ng/ul | 706757 | 4 | 16.94 | 2105750 | 20.0 |
| 1H-Cyclopropa[l]p... | 17.86 | 18.4 | ng/ul | 1935580 | 4 | 16.94 | 2105750 | 20.0 |
| 6H-Cyclobuta[jk]p... | 18.02 | 11.0 | ng/ul | 1156940 | 4 | 16.94 | 2105750 | 20.0 |
| Anthracene, 9-met... | 18.05 | 4.3 | ng/ul | 458134 | 4 | 16.94 | 2105750 | 20.0 |
| Chlordene, .alpha... | 18.22 | 15.0 | ng/ul | 1578860 | 4 | 16.94 | 2105750 | 20.0 |
| unknown-03 | 18.33 | 4.4 | ng/ul | 459925 | 4 | 16.94 | 2105750 | 20.0 |
| 9,10-Anthracenedione | 18.38 | 12.7 | ng/ul | 1332240 | 4 | 16.94 | 2105750 | 20.0 |
| 9,10-Dimethylanth... | 18.75 | 4.2 | ng/ul | 439794 | 4 | 16.94 | 2105750 | 20.0 |
| Benzoic acid, 3,4... | 18.95 | 2.2 | ng/ul | 235142 | 4 | 16.94 | 2105750 | 20.0 |
| unknown-04 | 19.07 | 2.2 | ng/ul | 526797 | 5 | 21.16 | 4821030 | 20.0 |
| Octadecanoic acid | 19.15 | 9.8 | ng/ul | 2369840 | 5 | 21.16 | 4821030 | 20.0 |
| 1,1-Dichloro-2,2-... | 20.01 | 14.0 | ng/ul | 3374050 | 5 | 21.16 | 4821030 | 20.0 |
| unknown-05 | 20.16 | 3.8 | ng/ul | 912894 | 5 | 21.16 | 4821030 | 20.0 |
| o,p'-DDT | 20.45 | 18.9 | ng/ul | 4566070 | 5 | 21.16 | 4821030 | 20.0 |
| (DEL) Alkane: Cyc... | 20.88 | 6.6 | ng/ul | 1595440 | 5 | 21.16 | 4821030 | 20.0 |
| 7H-Benz[de]anthra... | 21.37 | 19.3 | ng/ul | 4639530 | 5 | 21.16 | 4821030 | 20.0 |
| 1H-Indene, 2,3-di... | 21.63 | 7.8 | ng/ul | 1870630 | 5 | 21.16 | 4821030 | 20.0 |
| 7H-Benz[de]anthra... | 22.99 | 21.1 | ng/ul | 2373550 | 6 | 23.34 | 2244210 | 20.0 |
| (DEL) Alkane: Str... | 23.82 | 15.2 | ng/ul | 1699640 | 6 | 23.34 | 2244210 | 20.0 |
| unknown-06 | 25.57 | 32.6 | ng/ul | 3658670 | 6 | 23.34 | 2244210 | 20.0 |