LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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 | 3.838 | 37 | 42 | 52 | rVB5 | 7494 | 16064 | 1.41% | 0.094% |
| 2 | 7.504 | 659 | 666 | 678 | rBV2 | 142145 | 311159 | 27.39% | 1.817% |
| 3 | 7.674 | 685 | 695 | 703 | rBV | 99412 | 177333 | 15.61% | 1.036% |
| 4 | 7.892 | 724 | 732 | 740 | rBV2 | 132263 | 240371 | 21.16% | 1.404% |
| 5 | 8.356 | 803 | 811 | 825 | rVV2 | 139663 | 252215 | 22.20% | 1.473% |
| 6 | 9.049 | 922 | 929 | 936 | rVV | 186201 | 341226 | 30.03% | 1.993% |
| 7 | 9.114 | 936 | 940 | 949 | rVB4 | 18490 | 35289 | 3.11% | 0.206% |
| 8 | 9.460 | 987 | 999 | 1002 | rBV6 | 7194 | 19537 | 1.72% | 0.114% |
| 9 | 9.525 | 1002 | 1010 | 1022 | rVB | 140053 | 283735 | 24.97% | 1.657% |
| 10 | 9.901 | 1069 | 1074 | 1083 | rVB3 | 13704 | 26418 | 2.33% | 0.154% |
| 11 | 10.248 | 1124 | 1133 | 1142 | rBV2 | 122837 | 236499 | 20.82% | 1.381% |
| 12 | 10.588 | 1180 | 1191 | 1195 | rBV7 | 16844 | 47575 | 4.19% | 0.278% |
| 13 | 10.624 | 1195 | 1197 | 1203 | rVB3 | 13419 | 21782 | 1.92% | 0.127% |
| 14 | 10.788 | 1216 | 1225 | 1240 | rVB2 | 194691 | 372251 | 32.76% | 2.174% |
| 15 | 11.176 | 1283 | 1291 | 1298 | rBV | 214610 | 408781 | 35.98% | 2.388% |
| 16 | 11.311 | 1306 | 1314 | 1327 | rBV2 | 107255 | 240692 | 21.19% | 1.406% |
| 17 | 11.411 | 1327 | 1331 | 1338 | rVB7 | 10803 | 21508 | 1.89% | 0.126% |
| 18 | 11.534 | 1345 | 1352 | 1355 | rBV6 | 14095 | 25721 | 2.26% | 0.150% |
| 19 | 11.576 | 1355 | 1359 | 1366 | rVV3 | 27236 | 54634 | 4.81% | 0.319% |
| 20 | 11.646 | 1366 | 1371 | 1375 | rVV5 | 8547 | 14625 | 1.29% | 0.085% |
| 21 | 11.699 | 1375 | 1380 | 1385 | rVV | 8001 | 14175 | 1.25% | 0.083% |
| 22 | 11.975 | 1422 | 1427 | 1436 | rVV2 | 41573 | 73386 | 6.46% | 0.429% |
| 23 | 12.216 | 1464 | 1468 | 1474 | rVV5 | 9859 | 18818 | 1.66% | 0.110% |
| 24 | 12.304 | 1479 | 1483 | 1487 | rBV4 | 8859 | 15174 | 1.34% | 0.089% |
| 25 | 12.539 | 1518 | 1523 | 1528 | rVB2 | 23299 | 36149 | 3.18% | 0.211% |
| 26 | 12.616 | 1528 | 1536 | 1543 | rBV8 | 6503 | 21415 | 1.88% | 0.125% |
| 27 | 12.809 | 1563 | 1569 | 1572 | rBV2 | 34066 | 62869 | 5.53% | 0.367% |
| 28 | 12.845 | 1572 | 1575 | 1580 | rVB4 | 15879 | 28306 | 2.49% | 0.165% |
| 29 | 13.027 | 1600 | 1606 | 1611 | rVB2 | 26986 | 47144 | 4.15% | 0.275% |
| 30 | 13.109 | 1614 | 1620 | 1623 | rBV3 | 18547 | 31897 | 2.81% | 0.186% |
| 31 | 13.144 | 1623 | 1626 | 1632 | rVV4 | 23448 | 37552 | 3.31% | 0.219% |
| 32 | 13.221 | 1632 | 1639 | 1649 | rVB4 | 18707 | 50890 | 4.48% | 0.297% |
| 33 | 13.309 | 1649 | 1654 | 1658 | rBV7 | 14592 | 23677 | 2.08% | 0.138% |
| 34 | 13.373 | 1660 | 1665 | 1670 | rBV9 | 10954 | 17283 | 1.52% | 0.101% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.556 | 1691 | 1696 | 1704 | rVB10 | 9172 | 17189 | 1.51% | 0.100% |
| 36 | 13.673 | 1711 | 1716 | 1723 | rVV8 | 14174 | 33018 | 2.91% | 0.193% |
| 37 | 13.755 | 1723 | 1730 | 1735 | rVB4 | 30185 | 48886 | 4.30% | 0.286% |
| 38 | 13.926 | 1748 | 1759 | 1765 | rBV4 | 14796 | 41299 | 3.64% | 0.241% |
| 39 | 13.990 | 1767 | 1770 | 1783 | rBV10 | 13677 | 42054 | 3.70% | 0.246% |
| 40 | 14.143 | 1785 | 1796 | 1806 | rVB10 | 23485 | 90520 | 7.97% | 0.529% |
| 41 | 14.290 | 1814 | 1821 | 1825 | rBV5 | 46493 | 105440 | 9.28% | 0.616% |
| 42 | 14.349 | 1825 | 1831 | 1835 | rVV | 396513 | 619356 | 54.51% | 3.618% |
| 43 | 14.396 | 1835 | 1839 | 1845 | rVB | 198462 | 288004 | 25.35% | 1.682% |
| 44 | 14.519 | 1854 | 1860 | 1867 | rBV9 | 17973 | 51473 | 4.53% | 0.301% |
| 45 | 14.654 | 1877 | 1883 | 1895 | rBV | 390969 | 678437 | 59.72% | 3.963% |
| 46 | 14.819 | 1907 | 1911 | 1915 | rVV2 | 42222 | 57796 | 5.09% | 0.338% |
| 47 | 14.872 | 1915 | 1920 | 1924 | rVB7 | 14091 | 28363 | 2.50% | 0.166% |
| 48 | 14.960 | 1925 | 1935 | 1943 | rBV3 | 374149 | 681108 | 59.95% | 3.978% |
| 49 | 15.089 | 1952 | 1957 | 1962 | rBV3 | 39996 | 66792 | 5.88% | 0.390% |
| 50 | 15.154 | 1962 | 1968 | 1979 | rVB4 | 73740 | 167894 | 14.78% | 0.981% |
| 51 | 15.242 | 1980 | 1983 | 1986 | rBV4 | 13991 | 19374 | 1.71% | 0.113% |
| 52 | 15.353 | 1995 | 2002 | 2009 | rVB8 | 34299 | 110432 | 9.72% | 0.645% |
| 53 | 15.424 | 2009 | 2014 | 2019 | rBV6 | 33229 | 50170 | 4.42% | 0.293% |
| 54 | 15.571 | 2034 | 2039 | 2043 | rBV8 | 14198 | 25860 | 2.28% | 0.151% |
| 55 | 15.624 | 2043 | 2048 | 2054 | rBV9 | 24017 | 44292 | 3.90% | 0.259% |
| 56 | 15.718 | 2058 | 2064 | 2069 | rBV6 | 25453 | 49915 | 4.39% | 0.292% |
| 57 | 15.765 | 2069 | 2072 | 2080 | rVB4 | 37316 | 53681 | 4.72% | 0.314% |
| 58 | 15.876 | 2087 | 2091 | 2096 | rBV | 45955 | 77856 | 6.85% | 0.455% |
| 59 | 15.953 | 2097 | 2104 | 2109 | rVV | 512855 | 814921 | 71.73% | 4.760% |
| 60 | 16.064 | 2117 | 2123 | 2131 | rVB3 | 74160 | 125740 | 11.07% | 0.734% |
| 61 | 16.153 | 2135 | 2138 | 2141 | rBV5 | 15193 | 21138 | 1.86% | 0.123% |
| 62 | 16.382 | 2172 | 2177 | 2180 | rBV4 | 30177 | 51768 | 4.56% | 0.302% |
| 63 | 16.552 | 2202 | 2206 | 2213 | rVB9 | 17346 | 37202 | 3.27% | 0.217% |
| 64 | 16.623 | 2214 | 2218 | 2222 | rBV2 | 69809 | 103679 | 9.13% | 0.606% |
| 65 | 16.993 | 2275 | 2281 | 2286 | rBV6 | 42767 | 111595 | 9.82% | 0.652% |
| 66 | 17.051 | 2288 | 2291 | 2297 | rVB5 | 24363 | 37930 | 3.34% | 0.222% |
| 67 | 17.157 | 2307 | 2309 | 2316 | rBV7 | 16462 | 29069 | 2.56% | 0.170% |
| 68 | 17.422 | 2349 | 2354 | 2361 | rVB3 | 71868 | 129344 | 11.38% | 0.756% |
| 69 | 17.551 | 2372 | 2376 | 2380 | rVB2 | 41233 | 65596 | 5.77% | 0.383% |
| 70 | 17.710 | 2396 | 2403 | 2413 | rBV | 476551 | 825842 | 72.69% | 4.824% |
| 71 | 17.809 | 2414 | 2420 | 2428 | rVV | 615518 | 967484 | 85.16% | 5.651% |

LSC Area Percent Report

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Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 17.886 | 2428 | 2433 | 2440 | rVB3 | 84533 | 169791 | 14.94% | 0.992% |
| 73 | 18.115 | 2469 | 2472 | 2476 | rBV5 | 22042 | 32942 | 2.90% | 0.192% |
| 74 | 18.162 | 2476 | 2480 | 2483 | rVV | 49041 | 62311 | 5.48% | 0.364% |
| 75 | 18.450 | 2525 | 2529 | 2533 | rBV7 | 40827 | 63550 | 5.59% | 0.371% |
| 76 | 18.561 | 2544 | 2548 | 2555 | rBV6 | 73326 | 140869 | 12.40% | 0.823% |
| 77 | 18.708 | 2570 | 2573 | 2578 | rVB7 | 22835 | 33178 | 2.92% | 0.194% |
| 78 | 18.767 | 2579 | 2583 | 2587 | rBV7 | 33900 | 58620 | 5.16% | 0.342% |
| 79 | 18.843 | 2593 | 2596 | 2601 | rVB | 67991 | 83515 | 7.35% | 0.488% |
| 80 | 19.396 | 2687 | 2690 | 2694 | rBV5 | 31210 | 42284 | 3.72% | 0.247% |
| 81 | 19.466 | 2698 | 2702 | 2708 | rBV2 | 88282 | 122357 | 10.77% | 0.715% |
| 82 | 19.813 | 2758 | 2761 | 2771 | rVB10 | 41943 | 75837 | 6.68% | 0.443% |
| 83 | 20.007 | 2791 | 2794 | 2797 | rBV | 113620 | 146724 | 12.91% | 0.857% |
| 84 | 20.083 | 2801 | 2807 | 2817 | rVB | 723869 | 1136124 | 100.00% | 6.636% |
| 85 | 20.565 | 2882 | 2889 | 2893 | rBV | 77578 | 132089 | 11.63% | 0.772% |
| 86 | 21.053 | 2967 | 2972 | 2974 | rBV2 | 107610 | 153708 | 13.53% | 0.898% |
| 87 | 21.088 | 2975 | 2978 | 2987 | rVB | 161584 | 283924 | 24.99% | 1.658% |
| 88 | 21.611 | 3062 | 3067 | 3079 | rVB | 106473 | 194849 | 17.15% | 1.138% |
| 89 | 21.775 | 3091 | 3095 | 3102 | rVB3 | 82415 | 138336 | 12.18% | 0.808% |
| 90 | 22.040 | 3133 | 3140 | 3147 | rVB | 476857 | 848709 | 74.70% | 4.957% |
| 91 | 22.169 | 3158 | 3162 | 3171 | rVB3 | 61230 | 119540 | 10.52% | 0.698% |
| 92 | 23.802 | 3437 | 3440 | 3449 | rVB6 | 26178 | 53919 | 4.75% | 0.315% |
| 93 | 24.466 | 3549 | 3553 | 3560 | rVB5 | 28166 | 59710 | 5.26% | 0.349% |
| 94 | 25.301 | 3685 | 3695 | 3715 | rVB2 | 338462 | 1048175 | 92.26% | 6.122% |
| 95 | 25.547 | 3723 | 3737 | 3751 | rVB | 278115 | 932962 | 82.12% | 5.449% |
| 96 | 26.200 | 3840 | 3848 | 3859 | rVB10 | 40026 | 123568 | 10.88% | 0.722% |
| 97 | 26.858 | 3950 | 3960 | 3973 | rVB10 | 66470 | 211299 | 18.60% | 1.234% |
| 98 | 27.428 | 4049 | 4057 | 4058 | rBV8 | 26645 | 51991 | 4.58% | 0.304% |
| 99 | 28.209 | 4183 | 4190 | 4202 | rVB9 | 26588 | 86322 | 7.60% | 0.504% |
| 100 | 29.983 | 4480 | 4492 | 4507 | rBV10 | 23433 | 116361 | 10.24% | 0.680% |

Sum of corrected areas: 17120231

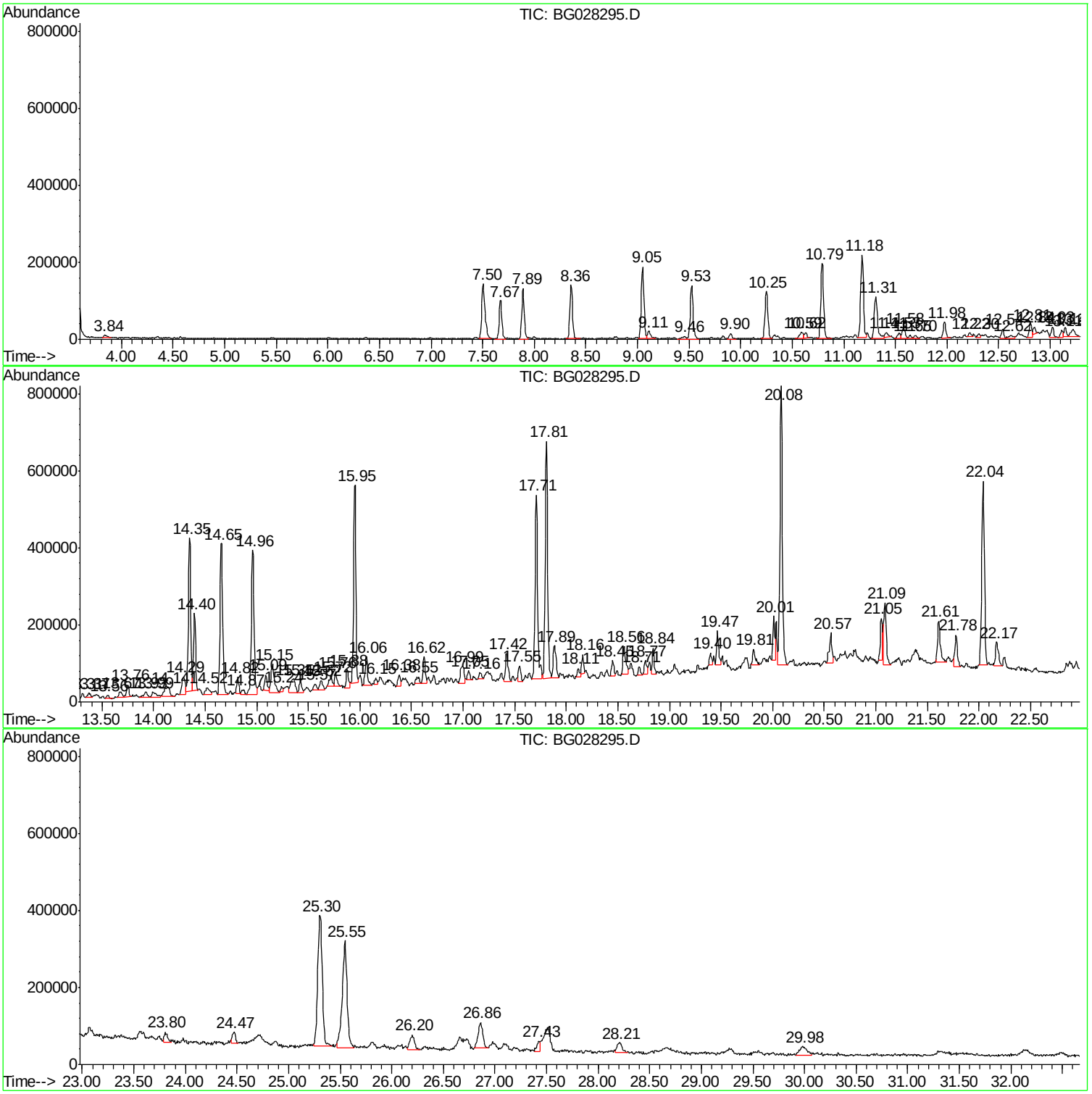
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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 G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

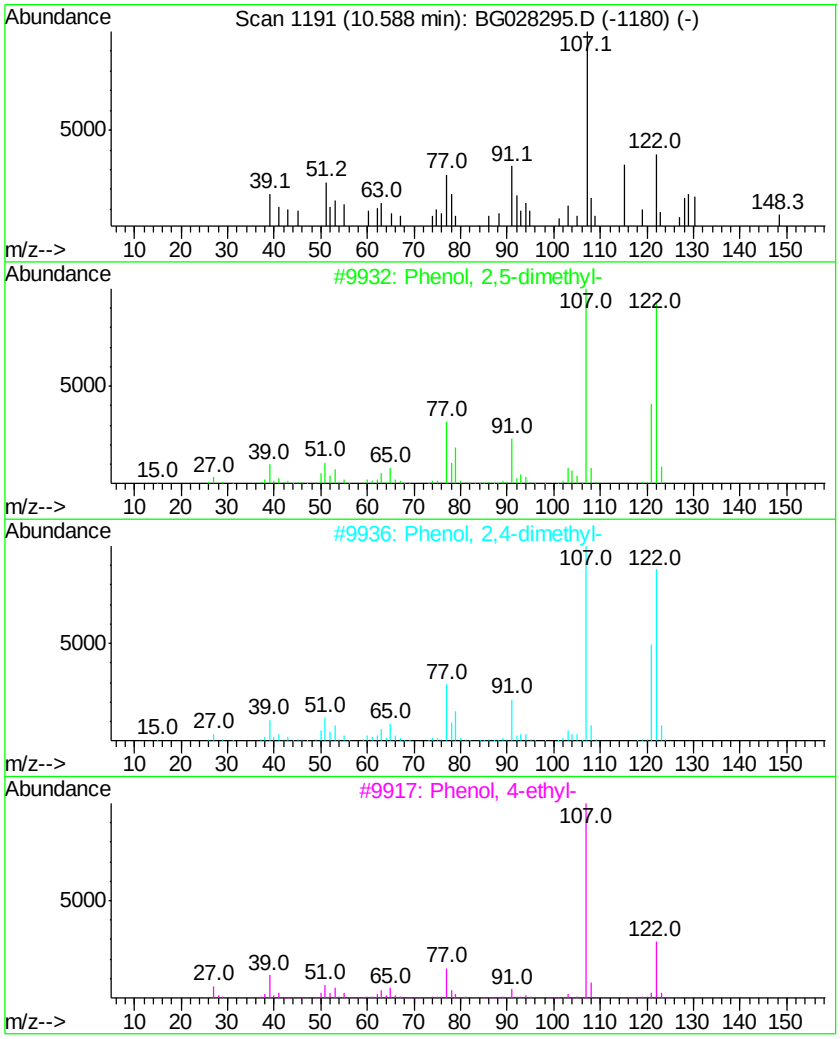
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

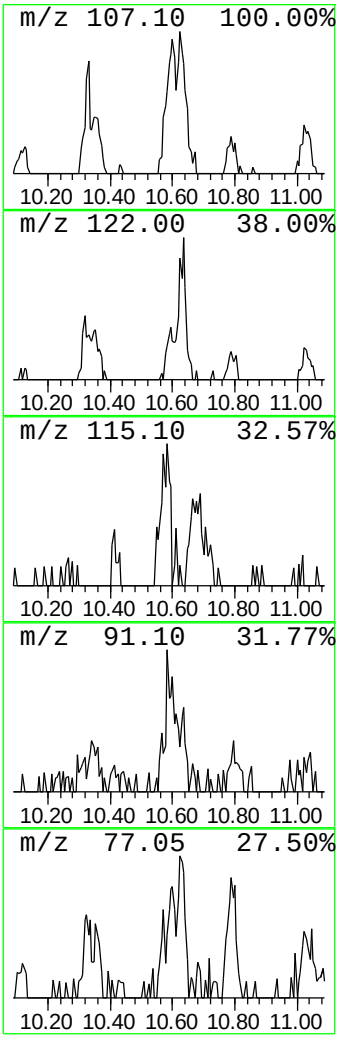
**********

Peak Number 1 unknown-01 Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.59 | 2.33 ng/ul | 47575 | Naphthalene-d8 | 11.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2,5-dimethyl- | 122 | C8H10O | 000095-87-4 | 43 |
| 2 | Phenol, 2,4-dimethyl- | 122 | C8H10O | 000105-67-9 | 43 |
| 3 | Phenol, 4-ethyl- | 122 | C8H10O | 000123-07-9 | 42 |
| 4 | Phenol, 2-ethyl- | 122 | C8H10O | 000090-00-6 | 38 |
| 5 | 1,6-Dimethylhepta-1,3,5-triene | 122 | C9H14 | 1000196-61-0 | 38 |



Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

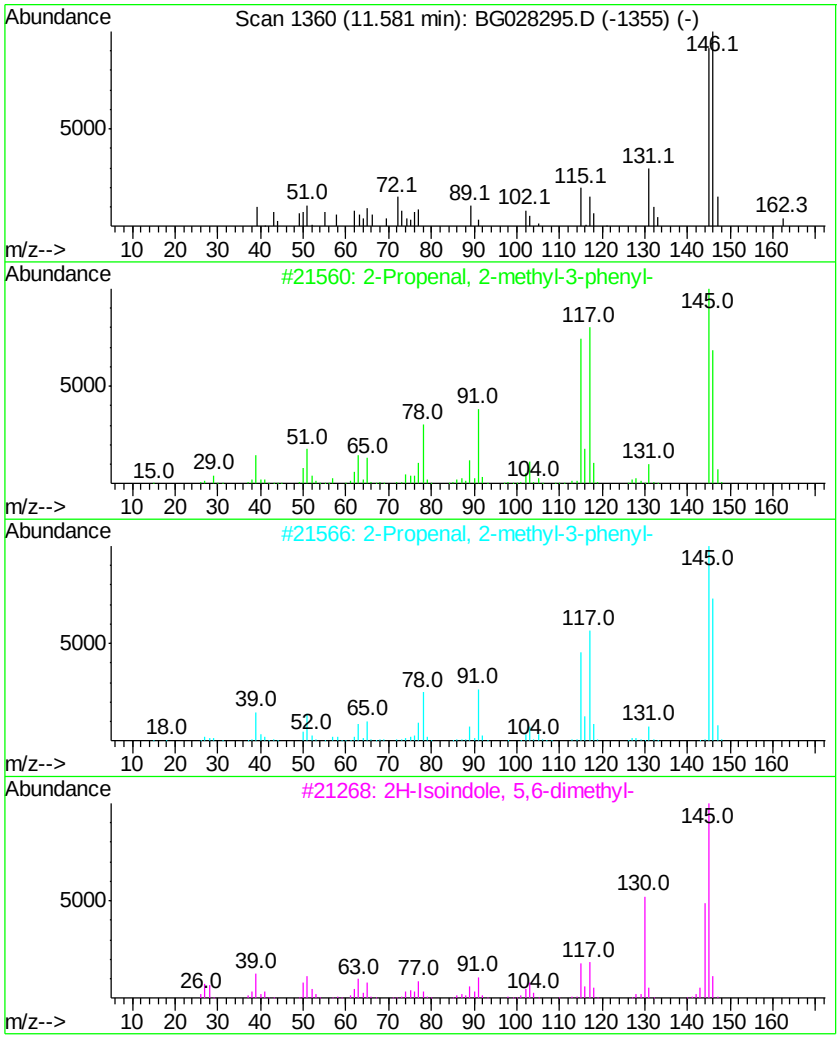
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

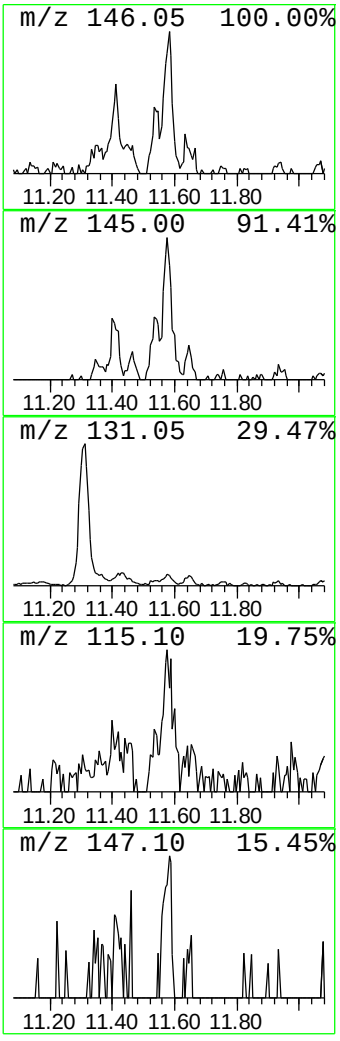
**********

Peak Number 2 2-Propenal, 2-methyl-3-phenyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.58 | 2.67 ng/ul | 54634 | Naphthalene-d8 | 11.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propenal, 2-methyl-3-phenyl- | 146 | C10H10O | 000101-39-3 | 64 |
| 2 | 2-Propenal, 2-methyl-3-phenyl- | 146 | C10H10O | 000101-39-3 | 59 |
| 3 | 2H-Isoindole, 5,6-dimethyl- | 145 | C10H11N | 070187-63-2 | 50 |
| 4 | 1H-Benzimidazole, 2-ethyl- | 146 | C9H10N2 | 001848-84-6 | 50 |
| 5 | Benzofuran, 4,7-dimethyl- | 146 | C10H10O | 028715-26-6 | 49 |



Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

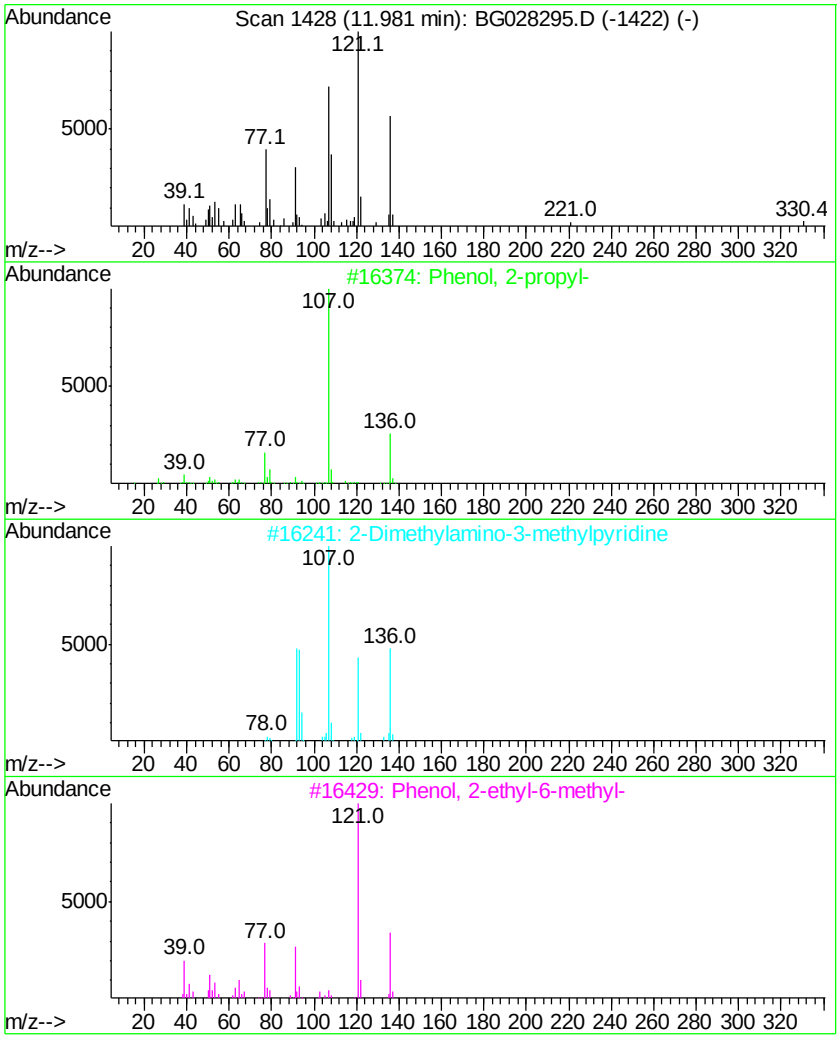
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

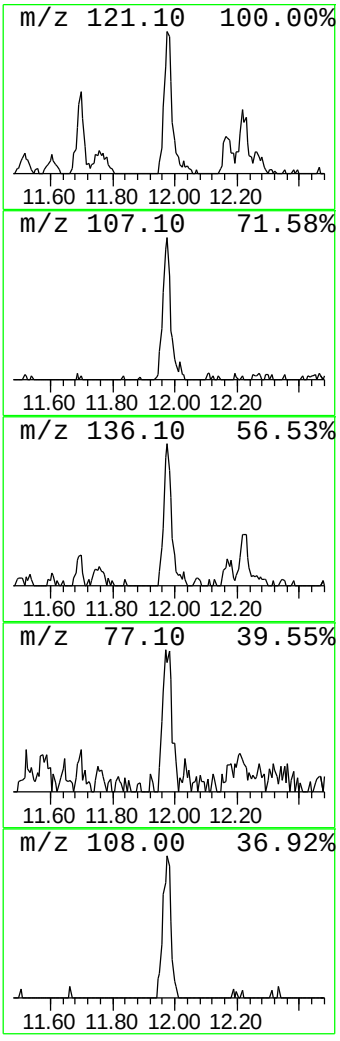
**********

Peak Number 3 Phenol, 2-propyl- Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.98 | 3.59 ng/ul | 73386 | Naphthalene-d8 | 11.18 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-propyl- | 136 | C9H12O | 000644-35-9 | 50 |
| 2 | 2-Dimethylamino-3-methylpyridine | 136 | C8H12N2 | 061713-46-0 | 46 |
| 3 | Phenol, 2-ethyl-6-methyl- | 136 | C9H12O | 001687-64-5 | 46 |
| 4 | Phenol, 2,3,6-trimethyl- | 136 | C9H12O | 002416-94-6 | 43 |
| 5 | Furan, 2-(1-pentenyl)-, (E)- | 136 | C9H12O | 020992-69-2 | 43 |



Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

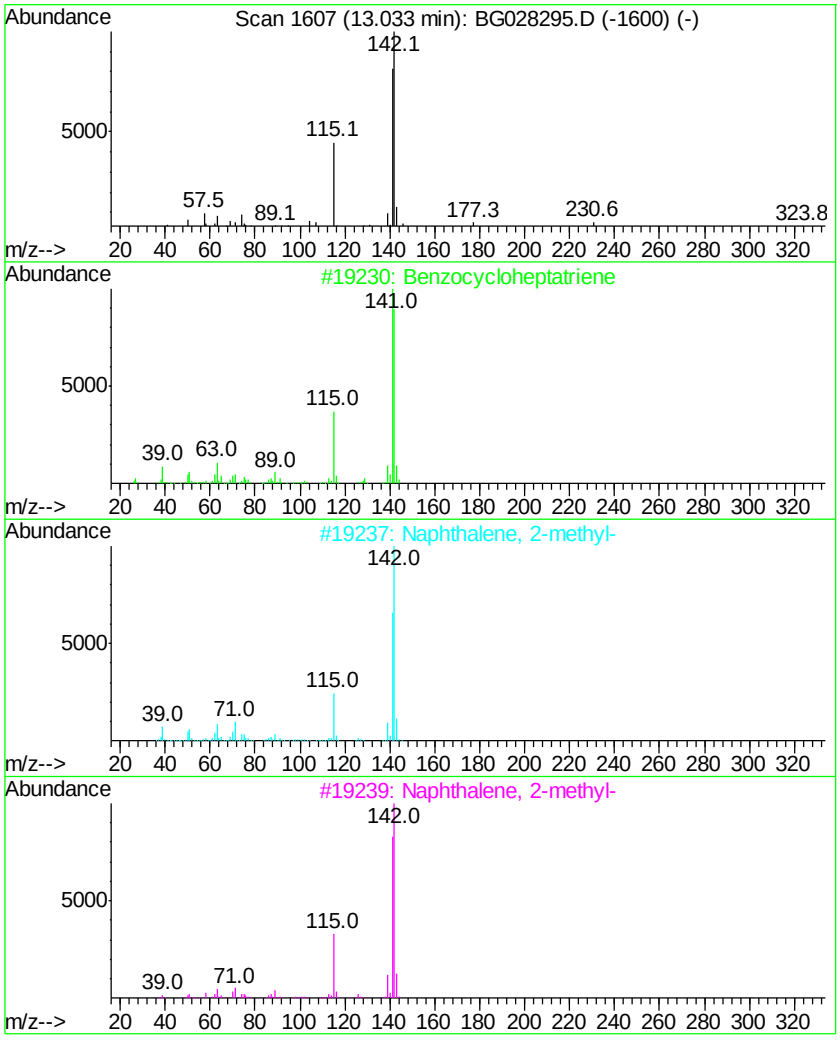
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

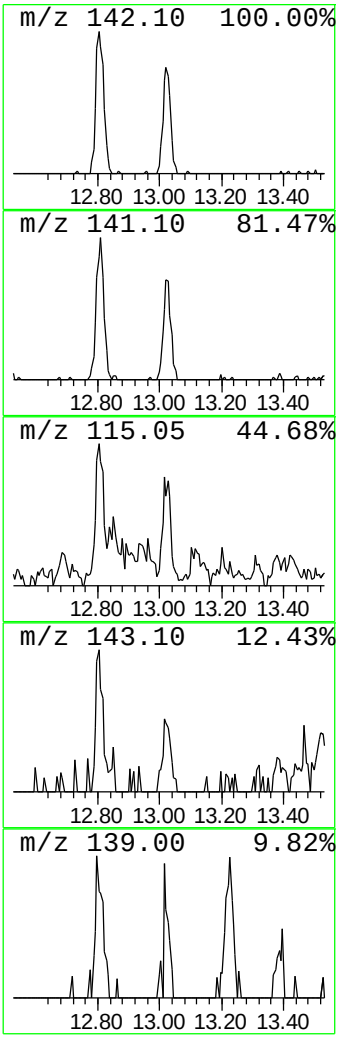
**********

Peak Number 4 Benzocycloheptatriene Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.03 | 2.31 ng/ul | 47144 | Naphthalene-d8 | 11.18 |

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



Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

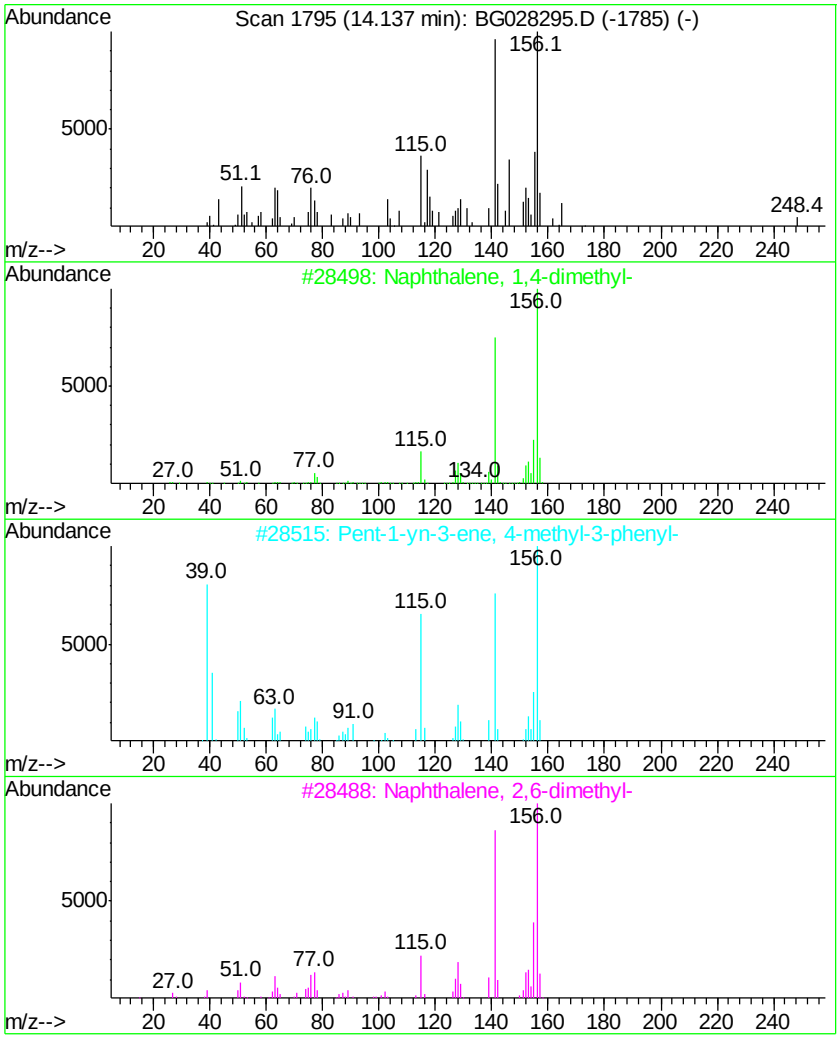
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

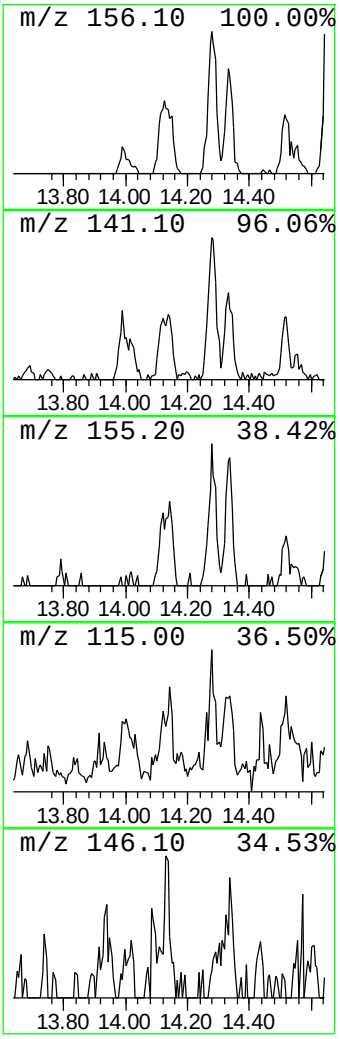
**********

Peak Number 5 Naphthalene, 1,4-dimethyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.14 | 2.66 ng/ul | 90520 | Acenaphthene-d10 | 14.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 93 |
| 2 | Pent-1-yn-3-ene, 4-methyl-3-phenyl- | 156 | C12H12 | 065050-80-8 | 91 |
| 3 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 91 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 76 |
| 5 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 64 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

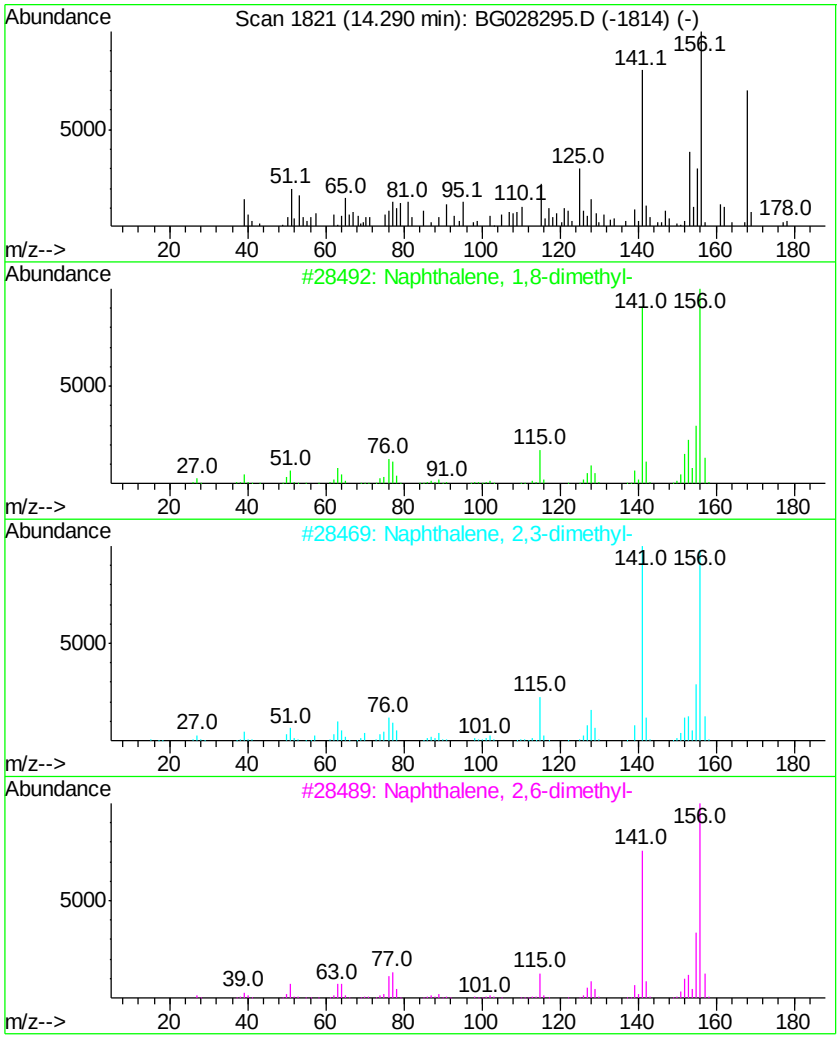
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

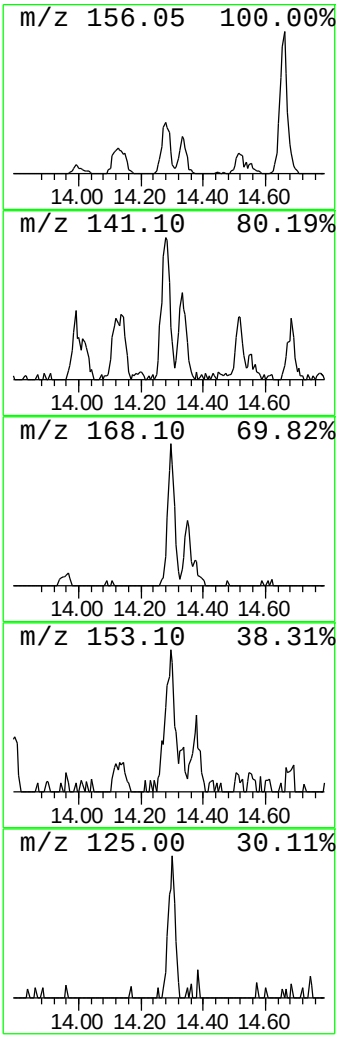
**********

Peak Number 6 Naphthalene, 1,8-dimethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.29 | 3.10 ng/ul | 105440 | Acenaphthene-d10 | 14.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,8-dimethyl- | 156 | C12H12 | 000569-41-5 | 90 |
| 2 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 83 |
| 3 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 83 |
| 4 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 78 |
| 5 | Naphthalene, 1,8-dimethyl- | 156 | C12H12 | 000569-41-5 | 78 |



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Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

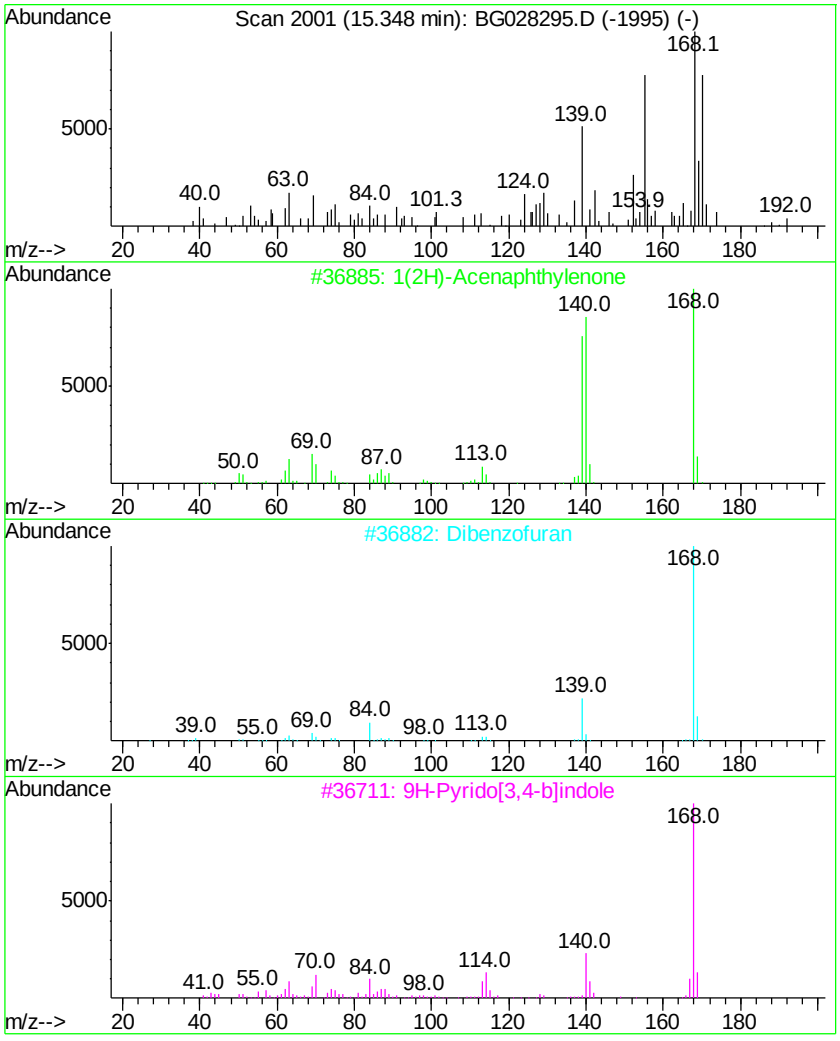
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

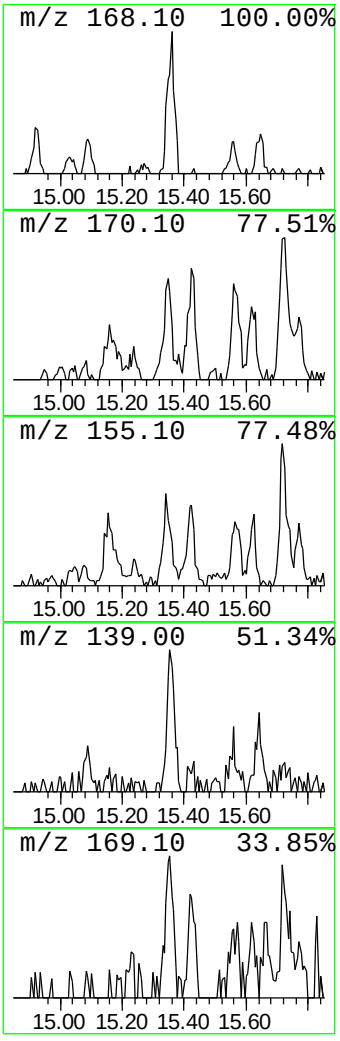
**********

Peak Number 7 unknown-02 Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.35 | 3.24 ng/ul | 110432 | Acenaphthene-d10 | 14.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1(2H)-Acenaphthylenone | 168 | C12H8O | 002235-15-6 | 30 |
| 2 | Dibenzofuran | 168 | C12H8O | 000132-64-9 | 25 |
| 3 | 9H-Pyrido[3,4-b]indole | 168 | C11H8N2 | 000244-63-3 | 25 |
| 4 | Ethanone, 1-(6-chloro-2-hydroxyp... | 170 | C8H7ClO2 | 055736-04-4 | 22 |
| 5 | Dibenzofuran | 168 | C12H8O | 000132-64-9 | 22 |



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Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

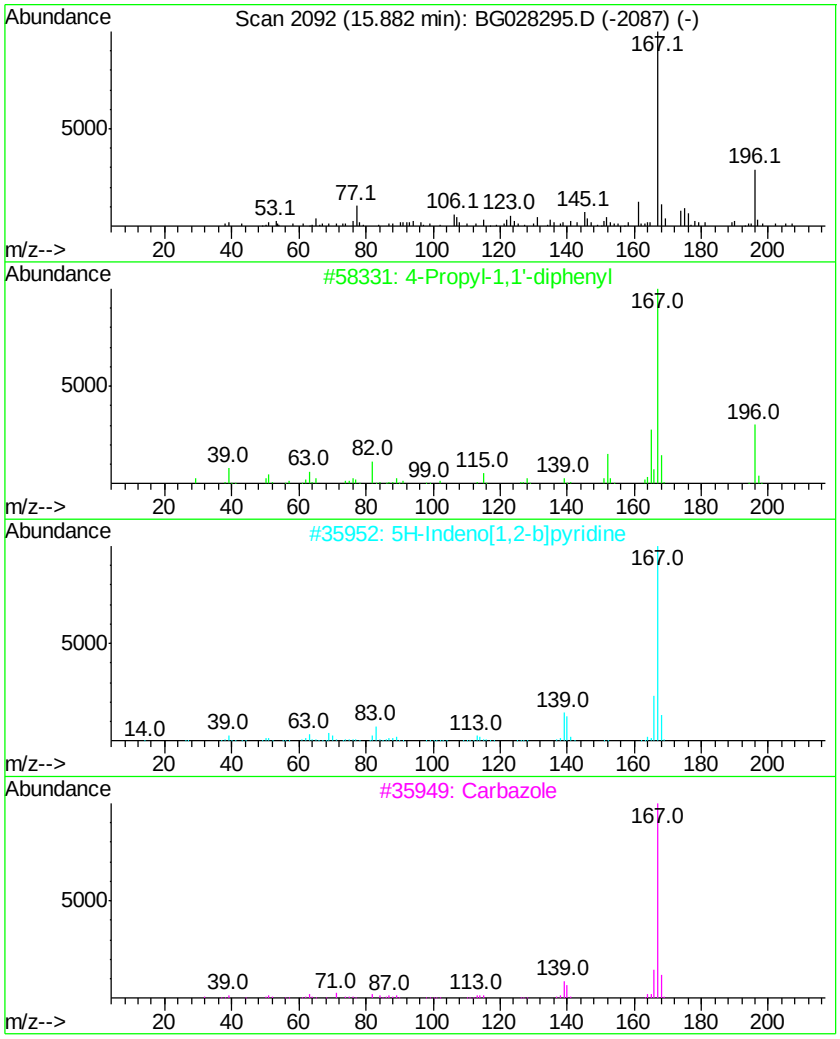
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

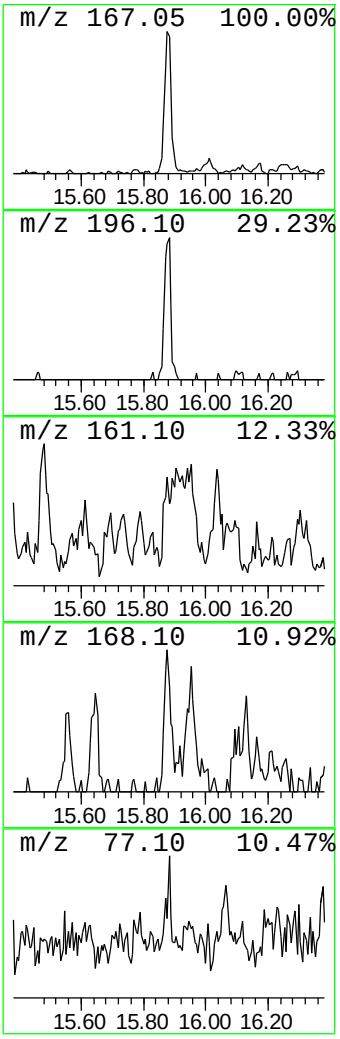
**********

Peak Number 8 4-Propyl-1,1'-diphenyl Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.88 | 2.29 ng/ul | 77856 | Acenaphthene-d10 | 14.96 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4-Propyl-1,1'-diphenyl | 196 | C15H16 | 010289-45-9 | 59 |
| 2 | 5H-Indeno[1,2-b]pyridine | 167 | C12H9N | 000244-99-5 | 47 |
| 3 | Carbazole | 167 | C12H9N | 000086-74-8 | 47 |
| 4 | Carbazole | 167 | C12H9N | 000086-74-8 | 47 |
| 5 | Benzene, 1,1',1''-(1-ethanyl-2-y... | 258 | C20H18 | 001520-42-9 | 47 |



Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

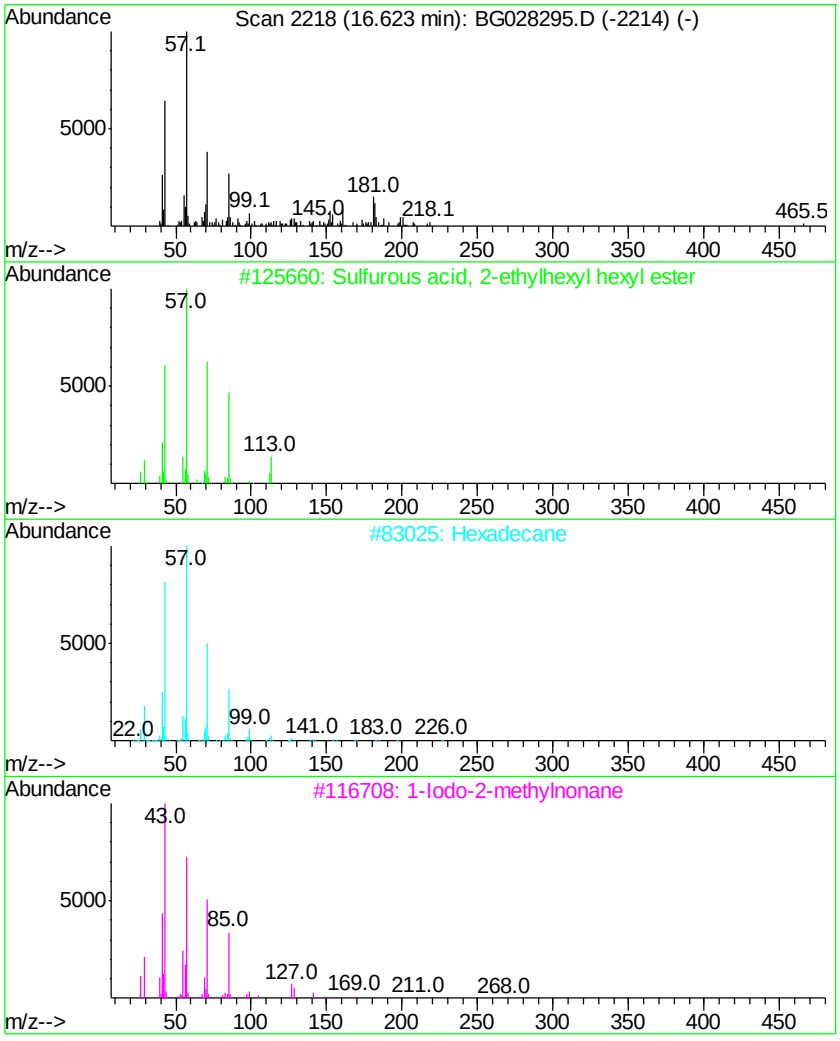
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

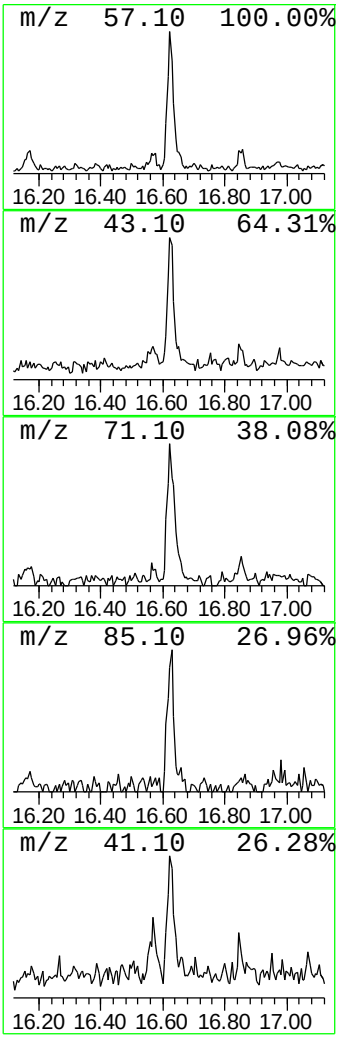
**********

Peak Number 9 Sulfurous acid, 2-ethylhexy... Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.62 | 2.51 ng/ul | 103679 | Phenanthrene-d10 | 17.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Sulfurous acid, 2-ethylhexyl hex... | 278 | C14H30O3S | 1000309-20-2 | 50 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 50 |
| 3 | 1-Iodo-2-methylnonane | 268 | C10H21I | 1000101-47-9 | 49 |
| 4 | 1-Iodoundecane | 282 | C11H23I | 004282-44-4 | 47 |
| 5 | 5-Ethyldecane | 170 | C12H26 | 017302-36-2 | 47 |



Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

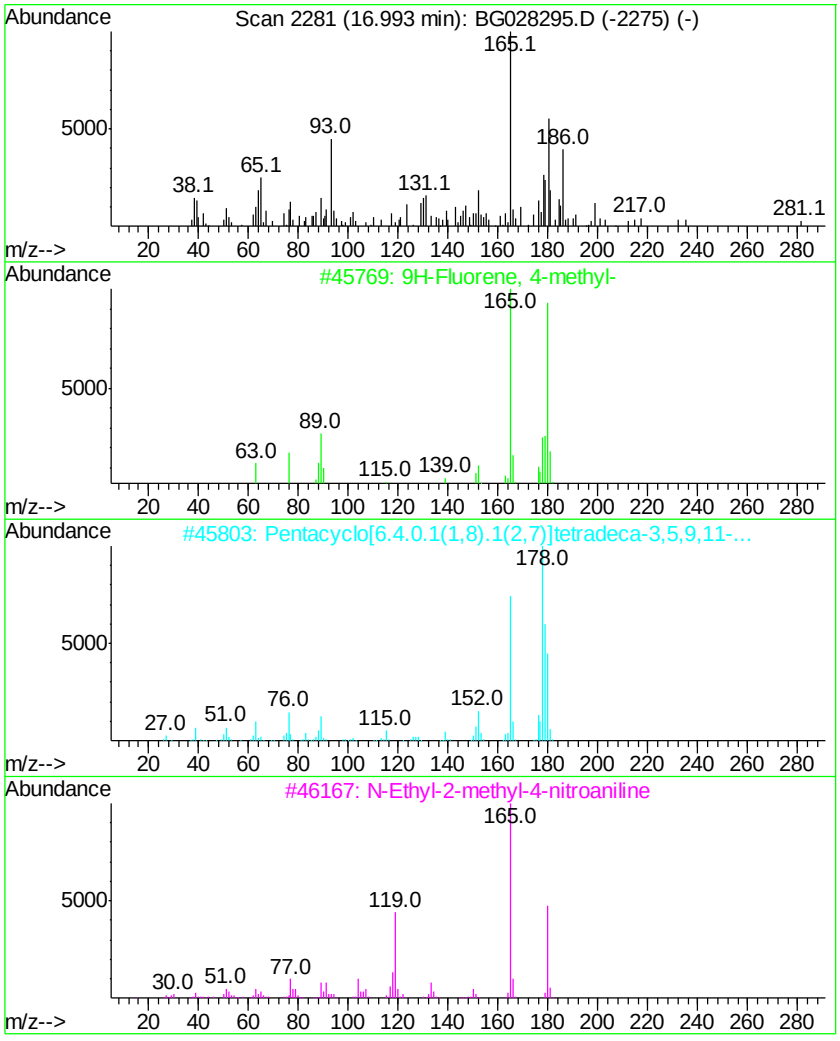
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

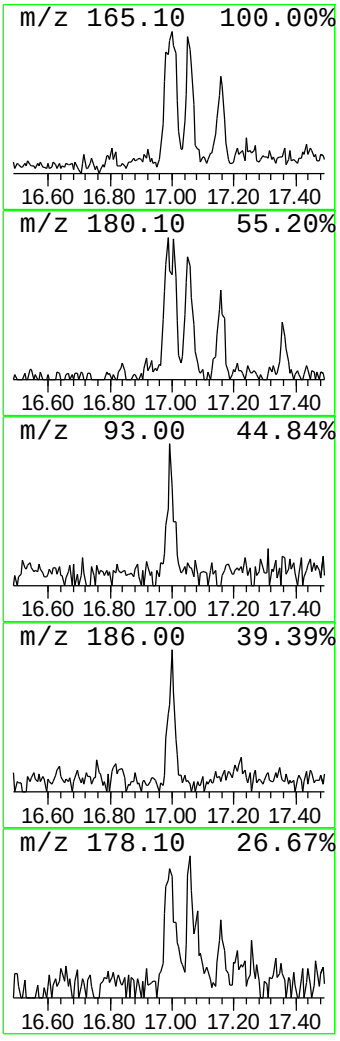
**********

Peak Number 10 unknown-03 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.99 | 2.70 ng/ul | 111595 | Phenanthrene-d10 | 17.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 4-methyl- | 180 | C14H12 | 001556-99-6 | 43 |
| 2 | Pentacyclo[6.4.0.1(1,8).1(2,7)]t... | 180 | C14H12 | 086120-84-5 | 41 |
| 3 | N-Ethyl-2-methyl-4-nitroaniline | 180 | C9H12N2O2 | 088374-25-8 | 38 |
| 4 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 38 |
| 5 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 38 |



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

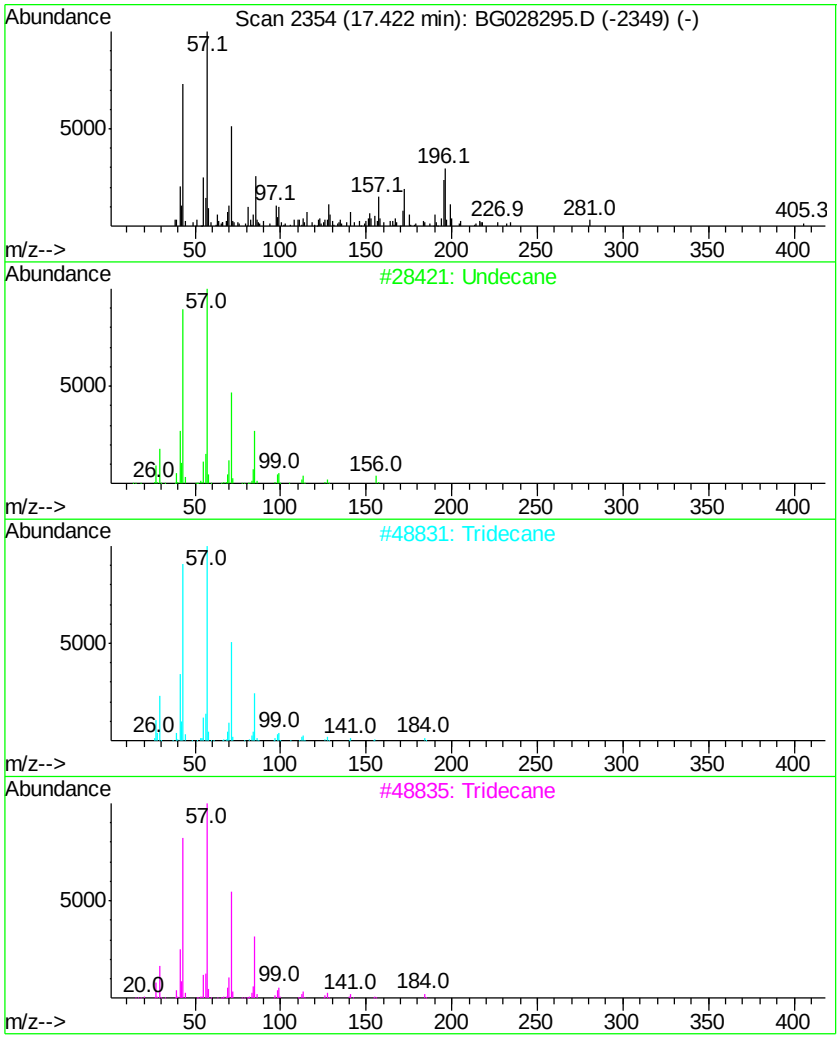
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

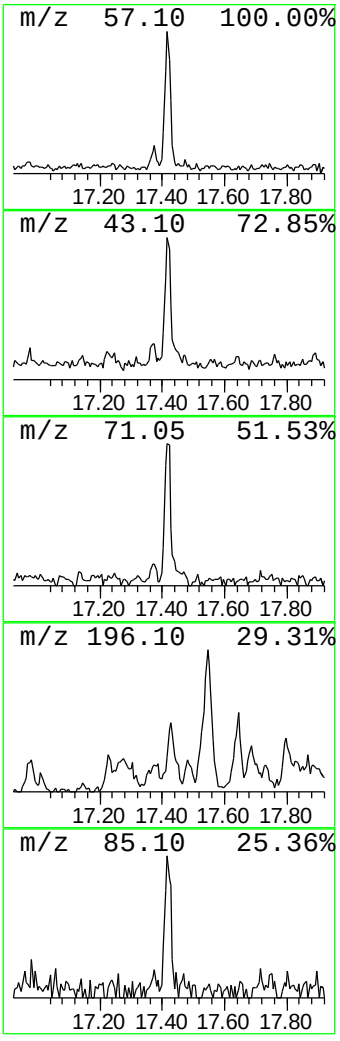
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.42 | 3.13 ng/ul | 129344 | Phenanthrene-d10 | 17.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Undecane | 156 | C11H24 | 001120-21-4 | 80 |
| 2 | Tridecane | 184 | C13H28 | 000629-50-5 | 42 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 42 |
| 4 | Undecane | 156 | C11H24 | 001120-21-4 | 42 |
| 5 | Undecane | 156 | C11H24 | 001120-21-4 | 42 |



Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

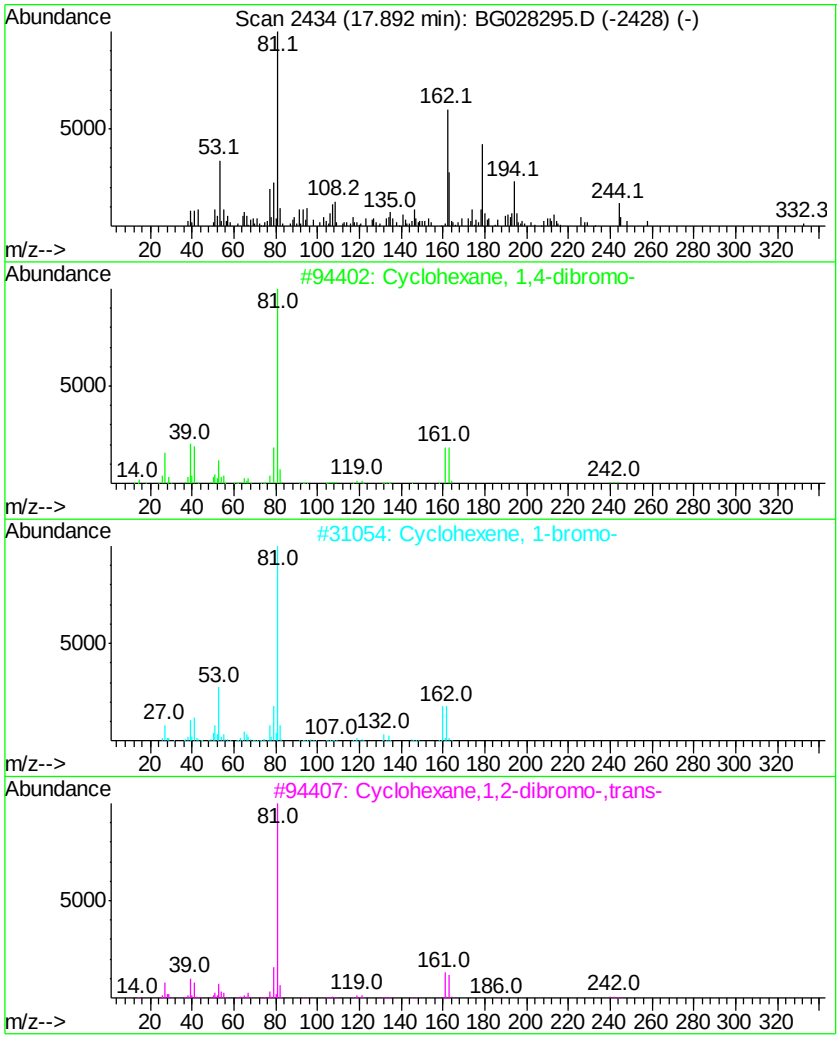
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

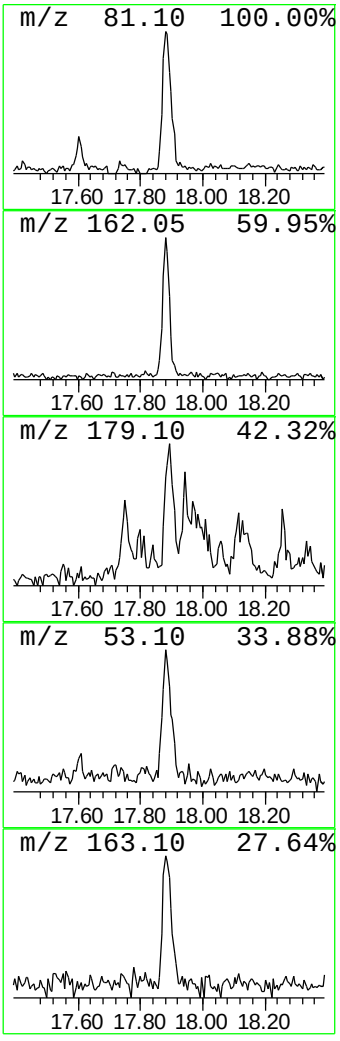
**********

Peak Number 12 unknown-04 Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.89 | 4.11 ng/ul | 169791 | Phenanthrene-d10 | 17.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,4-dibromo- | 240 | C6H10Br2 | 035076-92-7 | 43 |
| 2 | Cyclohexene, 1-bromo- | 160 | C6H9Br | 002044-08-8 | 38 |
| 3 | Cyclohexane,1,2-dibromo-,trans- | 240 | C6H10Br2 | 007429-37-0 | 35 |
| 4 | Isomyocorene | 136 | C10H16 | 006876-07-9 | 35 |
| 5 | Cyclohexene, 3-(2-propynyl)- | 120 | C9H12 | 055956-43-9 | 35 |



Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

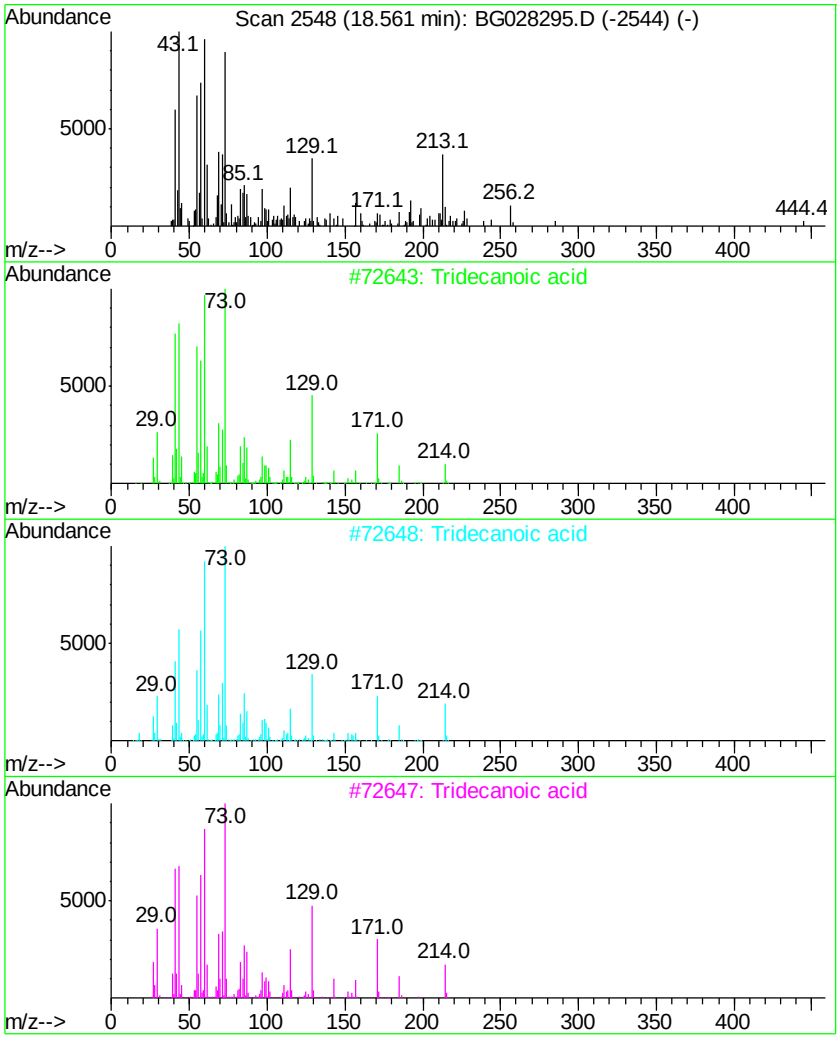
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

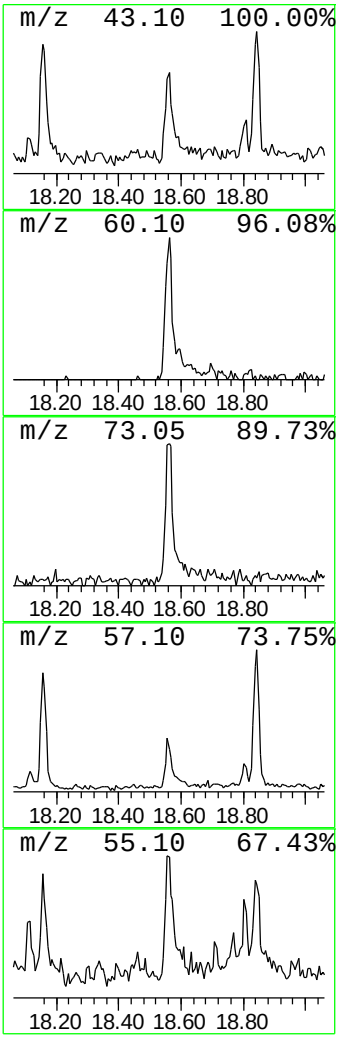
**********

Peak Number 13 Tridecanoic acid Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.56 | 3.41 ng/ul | 140869 | Phenanthrene-d10 | 17.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 93 |
| 2 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 76 |
| 3 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 76 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 76 |
| 5 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 74 |



Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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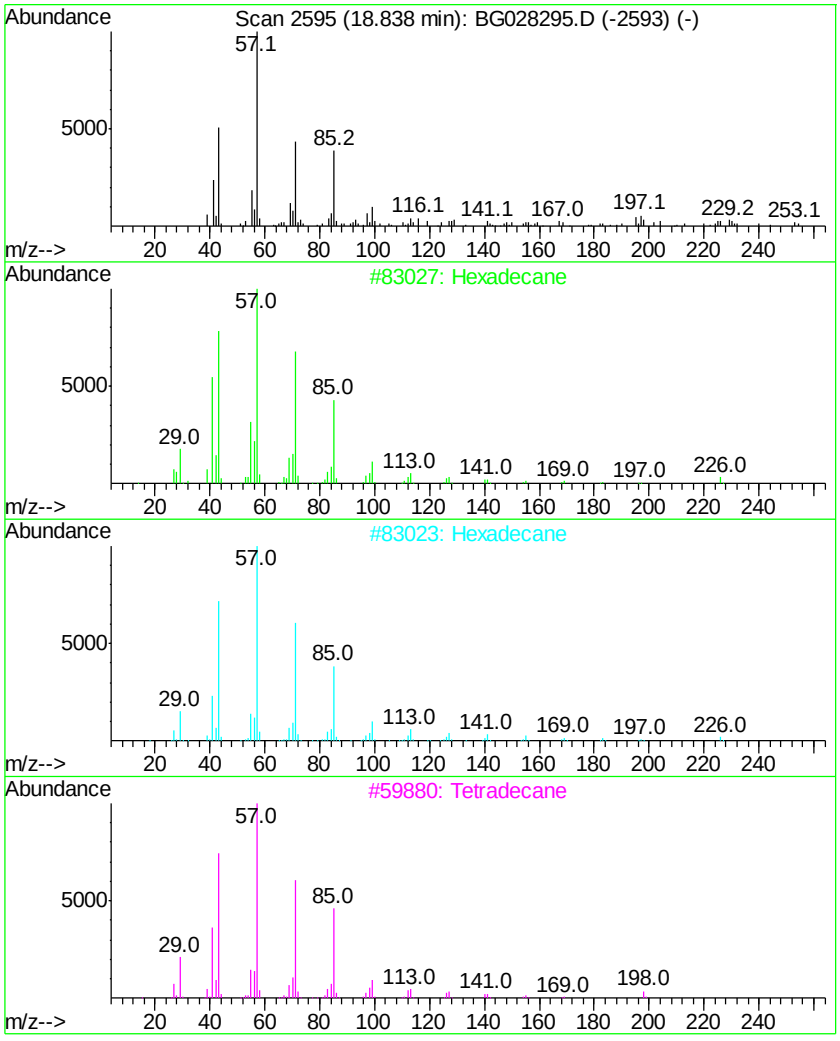
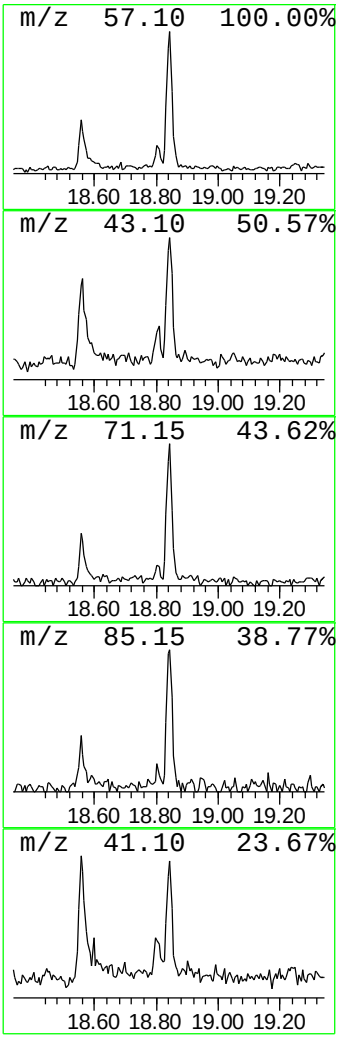
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.84 | 2.02 ng/ul | 83515 | Phenanthrene-d10 | 17.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 93 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 89 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 80 |
| 4 | Tetradecane | 198 | C14H30 | 000629-59-4 | 74 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 72 |



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Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

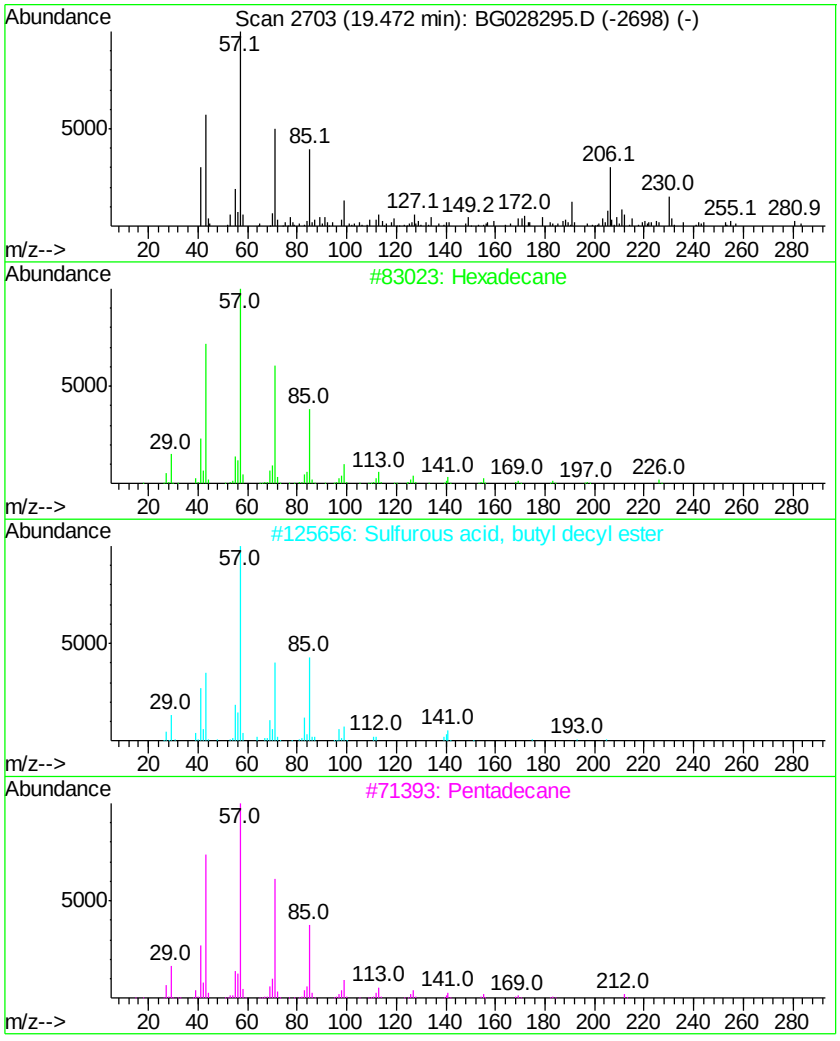
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

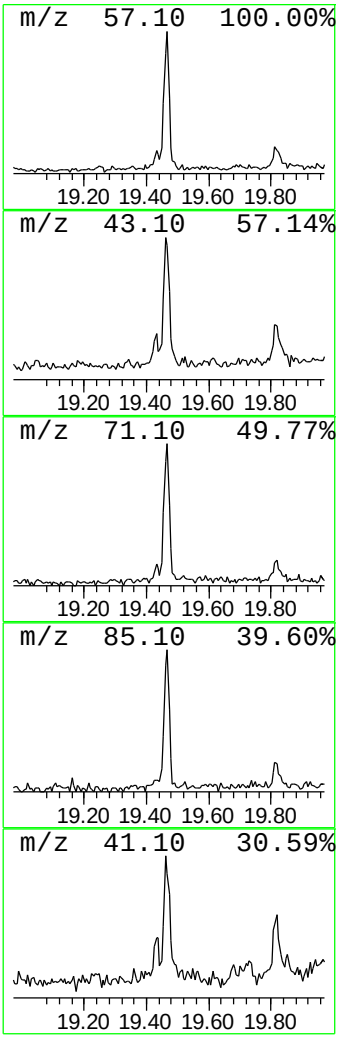
**********

Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.47 | 2.96 ng/ul | 122357 | Phenanthrene-d10 | 17.71 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 64 |
| 2 | Sulfurous acid, butyl decyl ester | 278 | C14H30O3S | 1000309-17-7 | 59 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 58 |
| 4 | Undecane, 3,6-dimethyl- | 184 | C13H28 | 017301-28-9 | 52 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 52 |



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Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

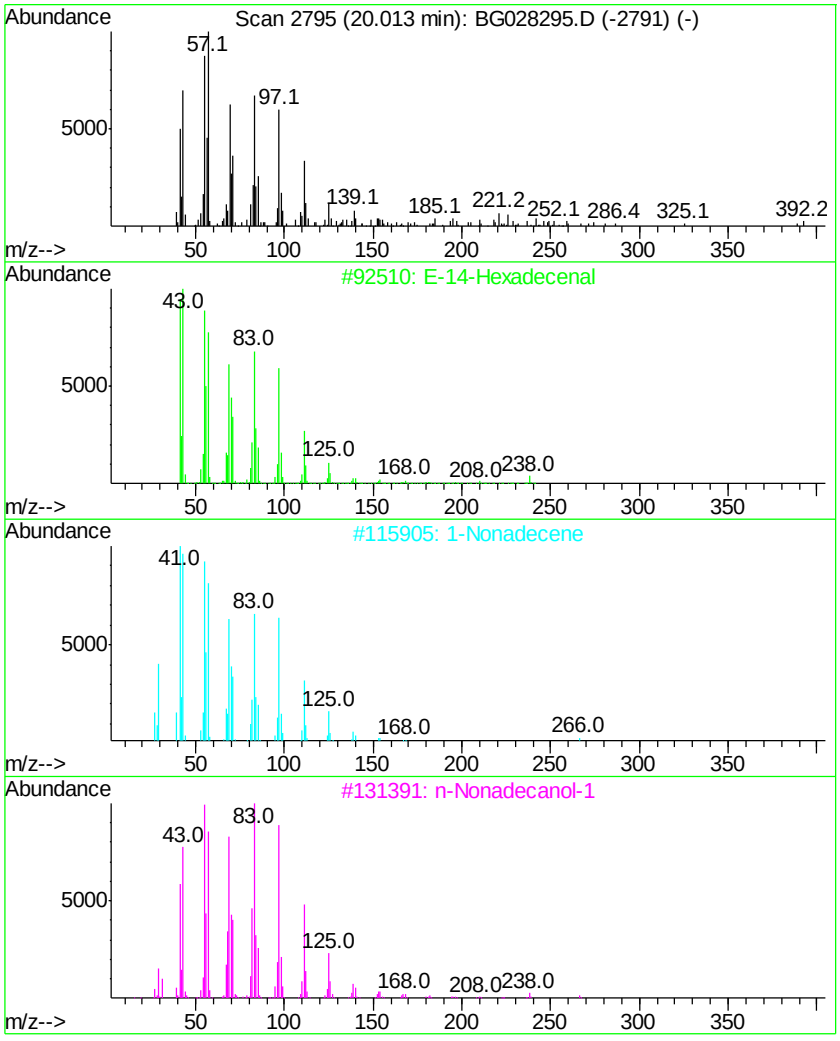
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

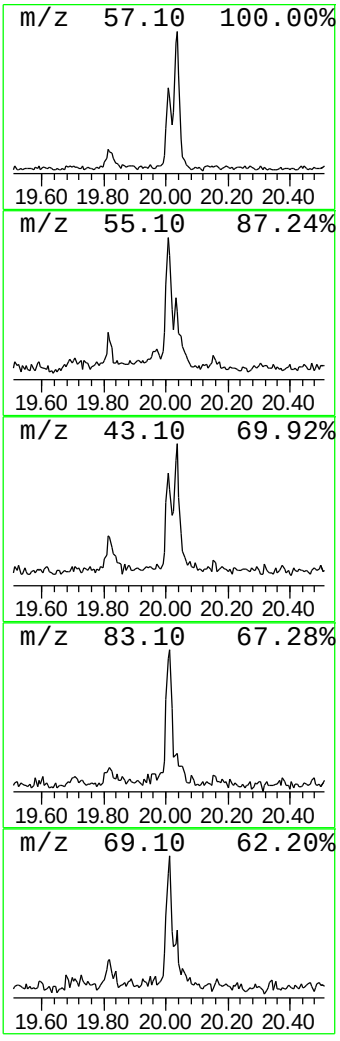
**********

Peak Number 16 E-14-Hexadecenal Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.01 | 3.46 ng/ul | 146724 | Chrysene-d12 | 22.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | E-14-Hexadecenal | 238 | C16H30O | 330207-53-9 | 94 |
| 2 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 91 |
| 3 | n-Nonadecanol-1 | 284 | C19H40O | 001454-84-8 | 91 |
| 4 | 1-Octadecanol | 270 | C18H38O | 000112-92-5 | 91 |
| 5 | 1-Heneicosanol | 312 | C21H44O | 015594-90-8 | 91 |



Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

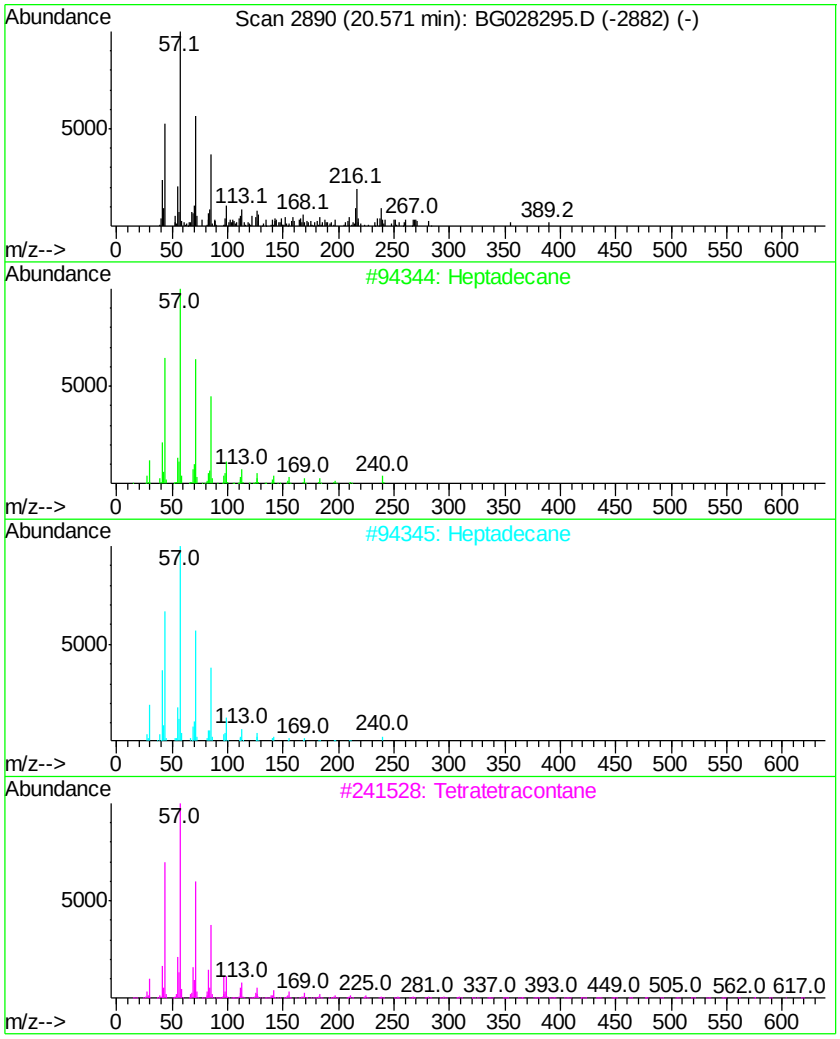
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

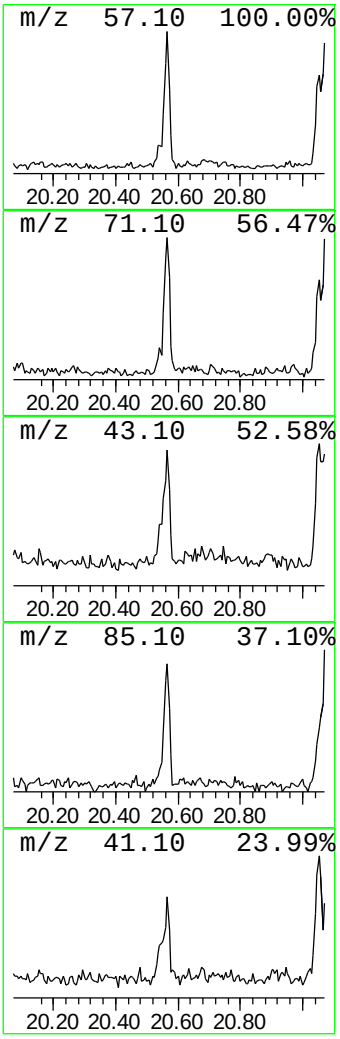
**********

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.57 | 3.11 ng/ul | 132089 | Chrysene-d12 | 22.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane | 240 | C17H36 | 000629-78-7 | 86 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 81 |
| 3 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 72 |
| 4 | Octadecane | 254 | C18H38 | 000593-45-3 | 70 |
| 5 | Octacosane | 394 | C28H58 | 000630-02-4 | 62 |



Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

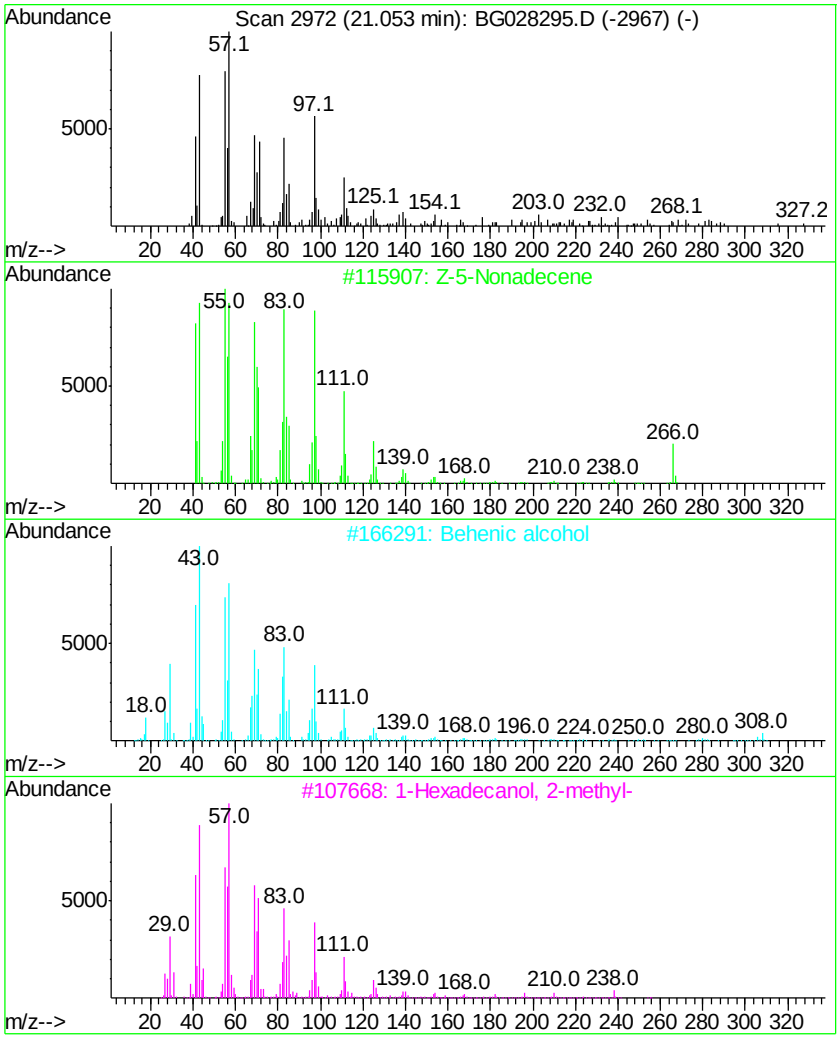
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

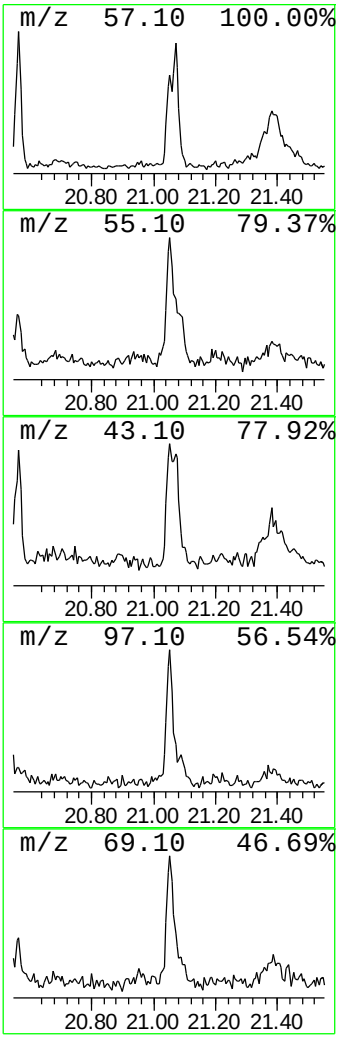
**********

Peak Number 18 (DEL) Alkane: Cyclic21.05 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.05 | 3.62 ng/ul | 153708 | Chrysene-d12 | 22.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Z-5-Nonadecene | 266 | C19H38 | 1000131-11-8 | 91 |
| 2 | Behenic alcohol | 326 | C22H46O | 000661-19-8 | 74 |
| 3 | 1-Hexadecanol, 2-methyl- | 256 | C17H36O | 002490-48-4 | 72 |
| 4 | 1,2-Octadecanediol | 286 | C18H38O2 | 020294-76-2 | 58 |
| 5 | 1-Dodecanol, 2-methyl-, (S)- | 200 | C13H28O | 057289-26-6 | 58 |



Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

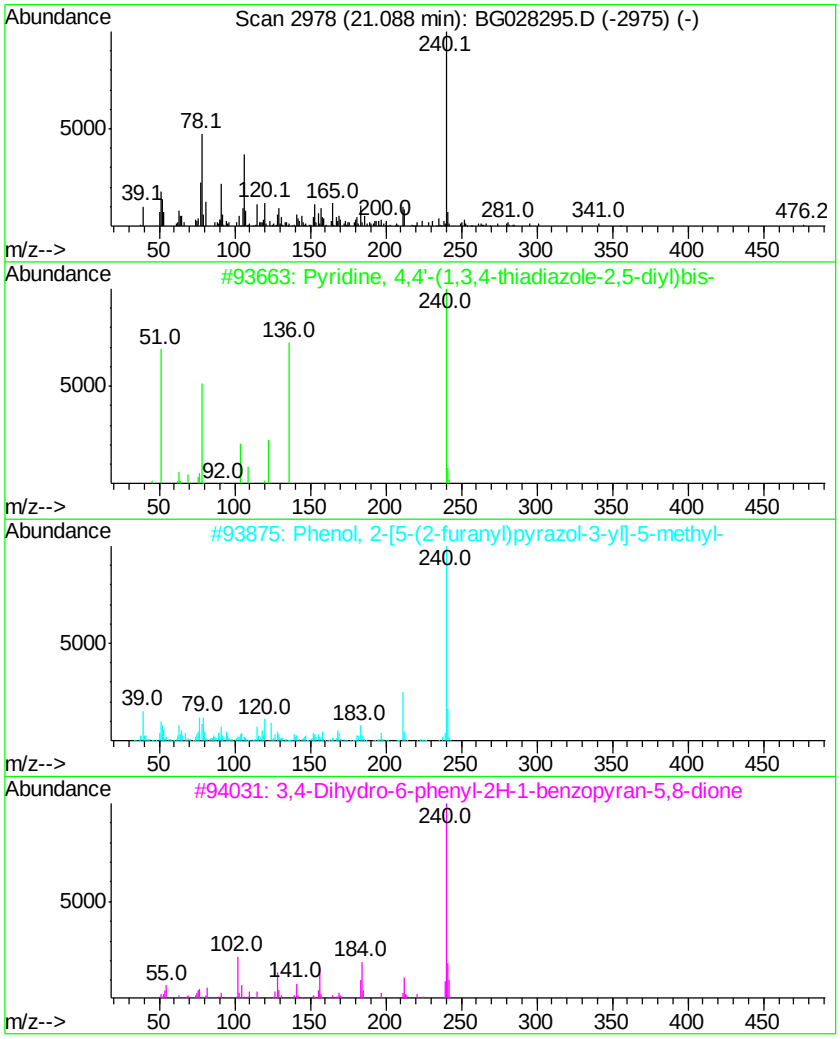
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

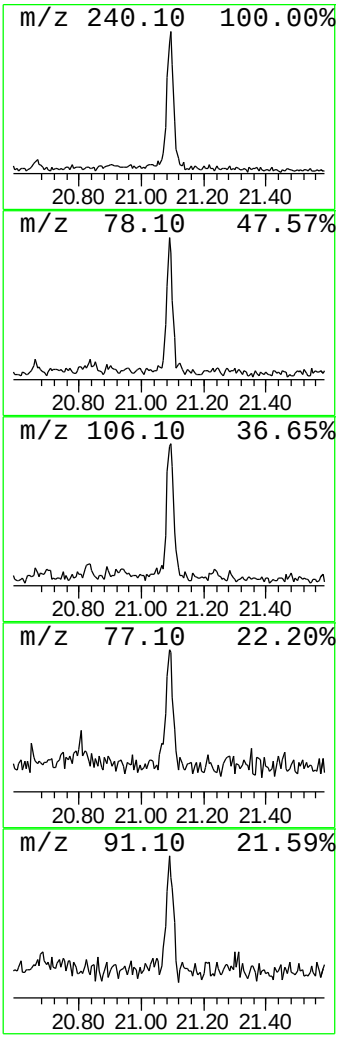
**********

Peak Number 19 unknown-05 Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.09 | 6.69 ng/ul | 283924 | Chrysene-d12 | 22.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyridine, 4,4'-(1,3,4-thiadiazol... | 240 | C12H8N4S | 015311-09-8 | 47 |
| 2 | Phenol, 2-[5-(2-furanyl)pyrazol-... | 240 | C14H12N2O2 | 084637-15-0 | 45 |
| 3 | 3,4-Dihydro-6-phenyl-2H-1-benzop... | 240 | C15H12O3 | 156017-47-9 | 43 |
| 4 | 2-Amino-6-benzotriazol-2-yl-4-me... | 240 | C13H12N4O | 1000296-74-4 | 43 |
| 5 | 1,7-Dimethyl-3-phenyl-1,4,5,6-te... | 240 | C14H16N4 | 1000148-10-4 | 38 |



Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

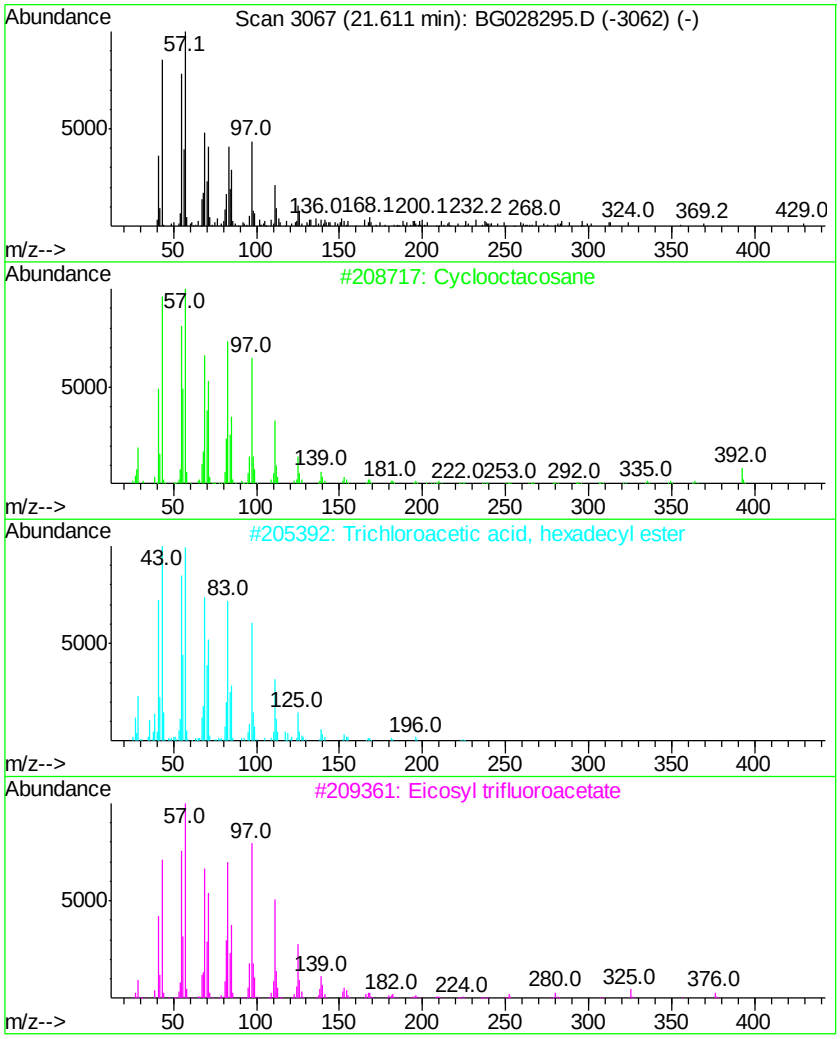
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

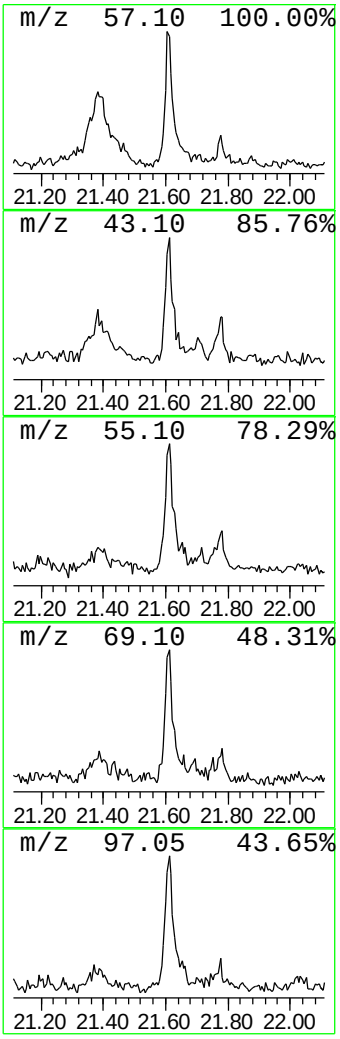
**********

Peak Number 20 (DEL) Alkane: Cyclic21.61 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.61 | 4.59 ng/ul | 194849 | Chrysene-d12 | 22.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclooctacosane | 392 | C28H56 | 000297-24-5 | 91 |
| 2 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 90 |
| 3 | Eicosyl trifluoroacetate | 394 | C22H41F3O2 | 1000351-75-2 | 90 |
| 4 | Isobutyl tridecyl carbonate | 300 | C18H36O3 | 959275-44-6 | 90 |
| 5 | Carbonic acid, isobutyl pentadec... | 328 | C20H40O3 | 1000314-61-2 | 90 |



Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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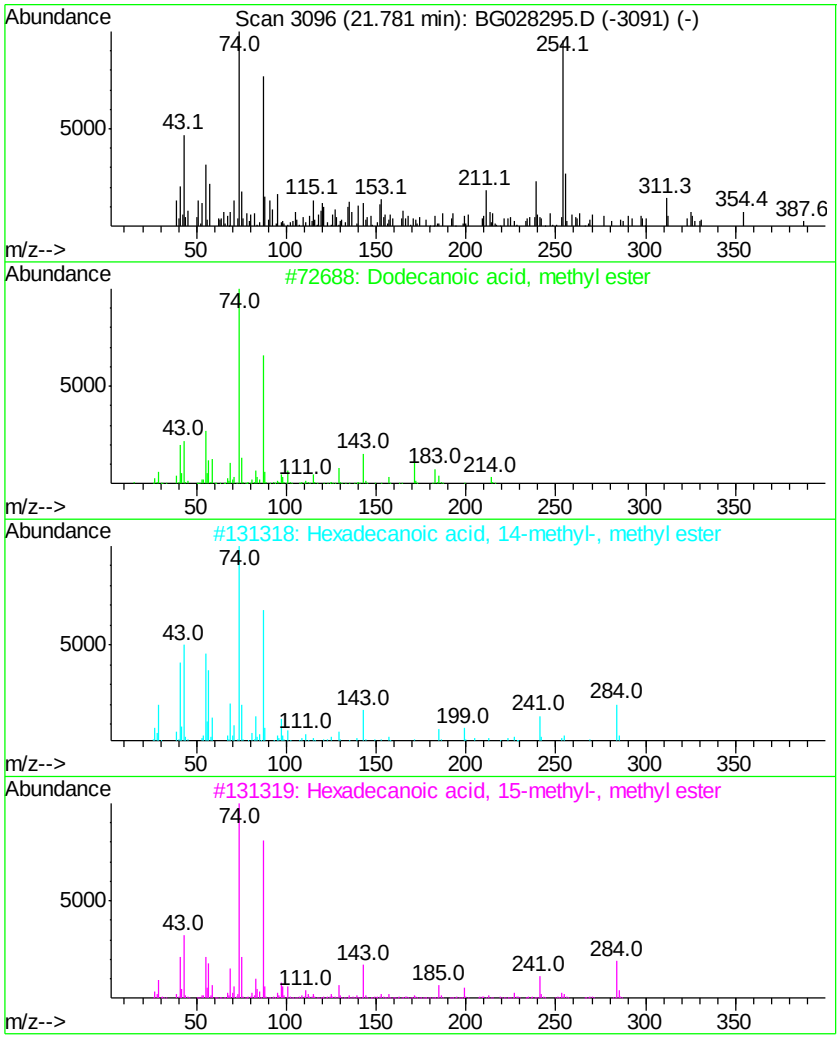
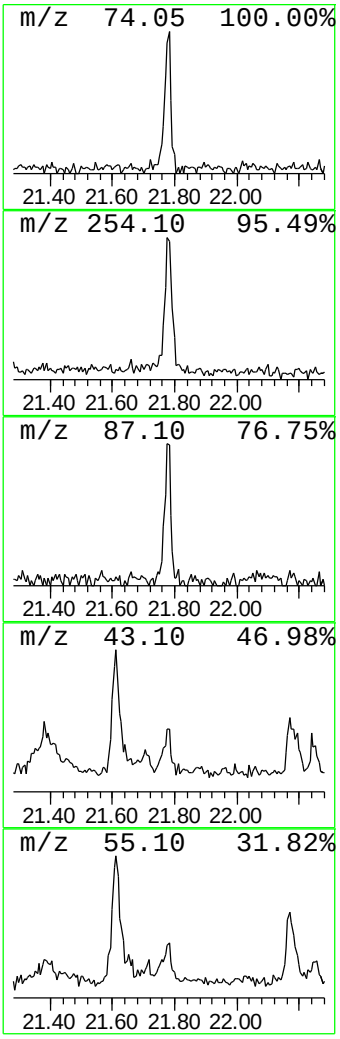
Peak Number 21 unknown-06 Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.78 | 3.26 ng/ul | 138336 | Chrysene-d12 | 22.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecanoic acid, methyl ester | 214 | C13H26O2 | 000111-82-0 | 46 |
| 2 | Hexadecanoic acid, 14-methyl-, m... | 284 | C18H36O2 | 002490-49-5 | 43 |
| 3 | Hexadecanoic acid, 15-methyl-, m... | 284 | C18H36O2 | 006929-04-0 | 43 |
| 4 | Hexadecanoic acid, 14-methyl-, m... | 284 | C18H36O2 | 002490-49-5 | 38 |
| 5 | Tetradecanoic acid, 10,13-dimeth... | 270 | C17H34O2 | 267650-23-7 | 35 |



Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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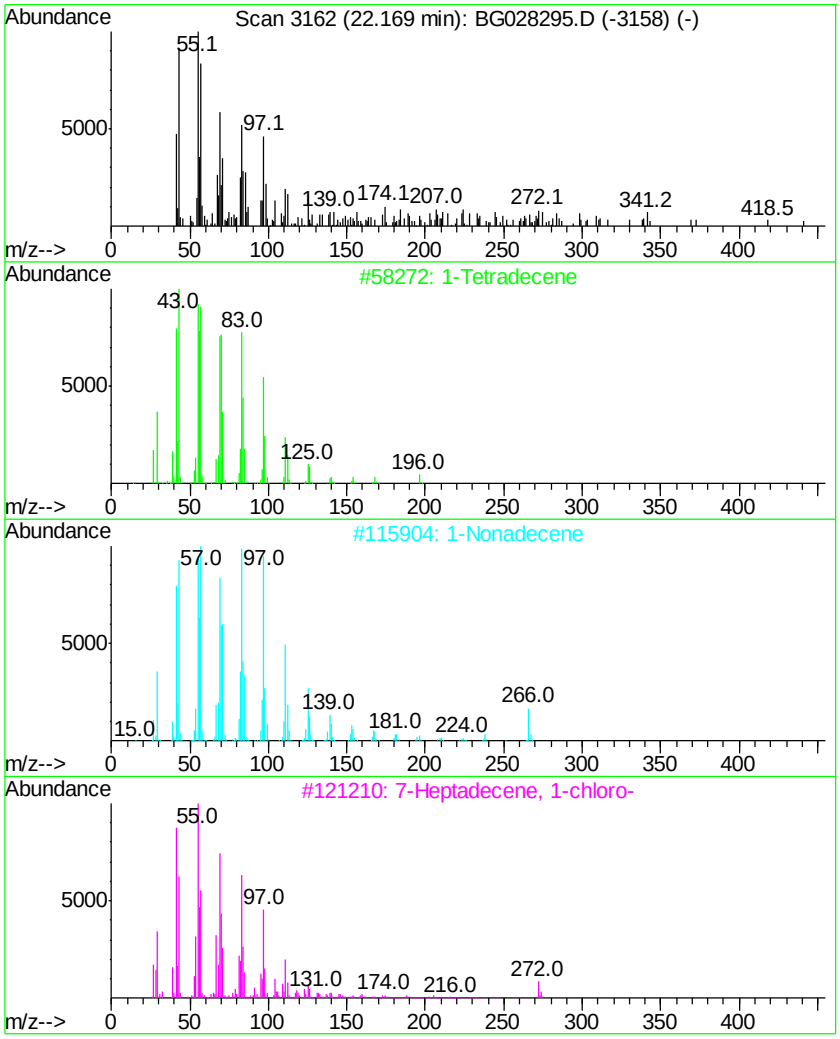
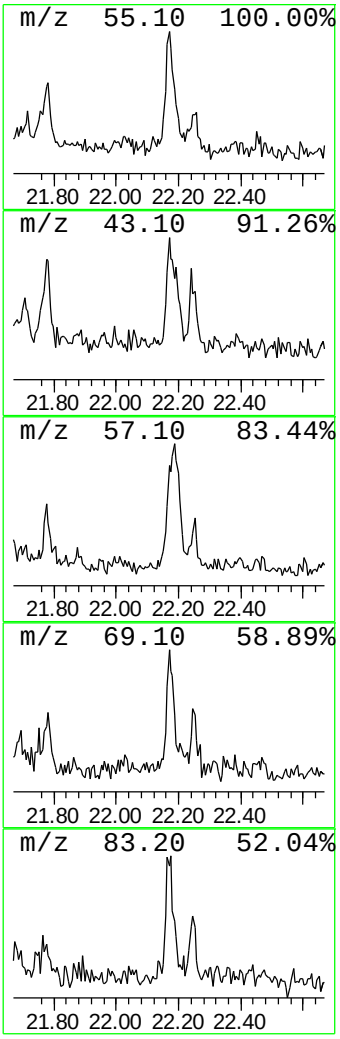
Peak Number 22 (DEL) Alkane: Cyclic22.17 Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.17 | 2.82 ng/ul | 119540 | Chrysene-d12 | 22.04 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Tetradecene | 196 | C14H28 | 001120-36-1 | 90 |
| 2 | 1-Nonadecene | 266 | C19H38 | 018435-45-5 | 89 |
| 3 | 7-Heptadecene, 1-chloro- | 272 | C17H33Cl | 056554-78-0 | 89 |
| 4 | Z-5-Nonadecene | 266 | C19H38 | 1000131-11-8 | 83 |
| 5 | Cyclotetradecane | 196 | C14H28 | 000295-17-0 | 83 |



Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

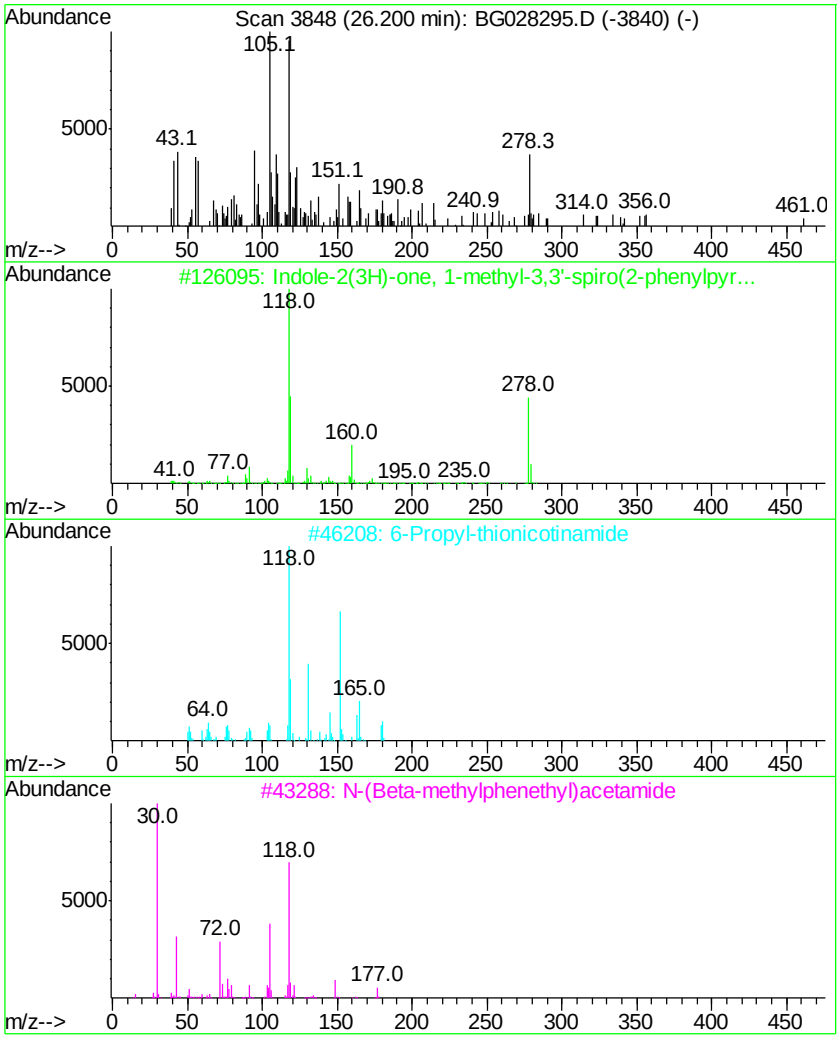
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

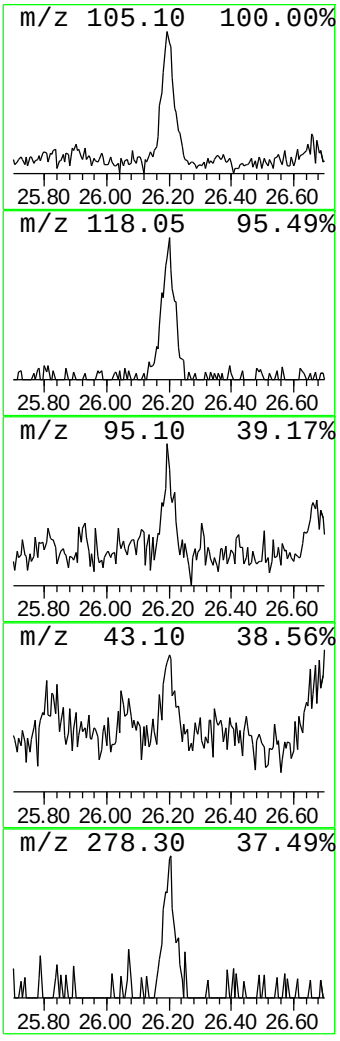
**********

Peak Number 23 unknow-07 Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.20 | 2.65 ng/ul | 123568 | Perylene-d12 | 25.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indole-2(3H)-one, 1-methyl-3,3'-... | 278 | C18H18N2O | 132962-61-9 | 35 |
| 2 | 6-Propyl-thionicotinamide | 180 | C9H12N2S | 1000284-13-0 | 27 |
| 3 | N-(Beta-methylphenethyl)acetamide | 177 | C11H15NO | 022596-62-9 | 25 |
| 4 | 4,4,6-Trimethyl-2,6-diphenyl-5,6... | 279 | C19H21NO | 091875-66-0 | 22 |
| 5 | N-(2,6-Dimethylocta-1,7-dien-3-y... | 254 | C17H22N2 | 1000283-97-6 | 22 |



Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

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

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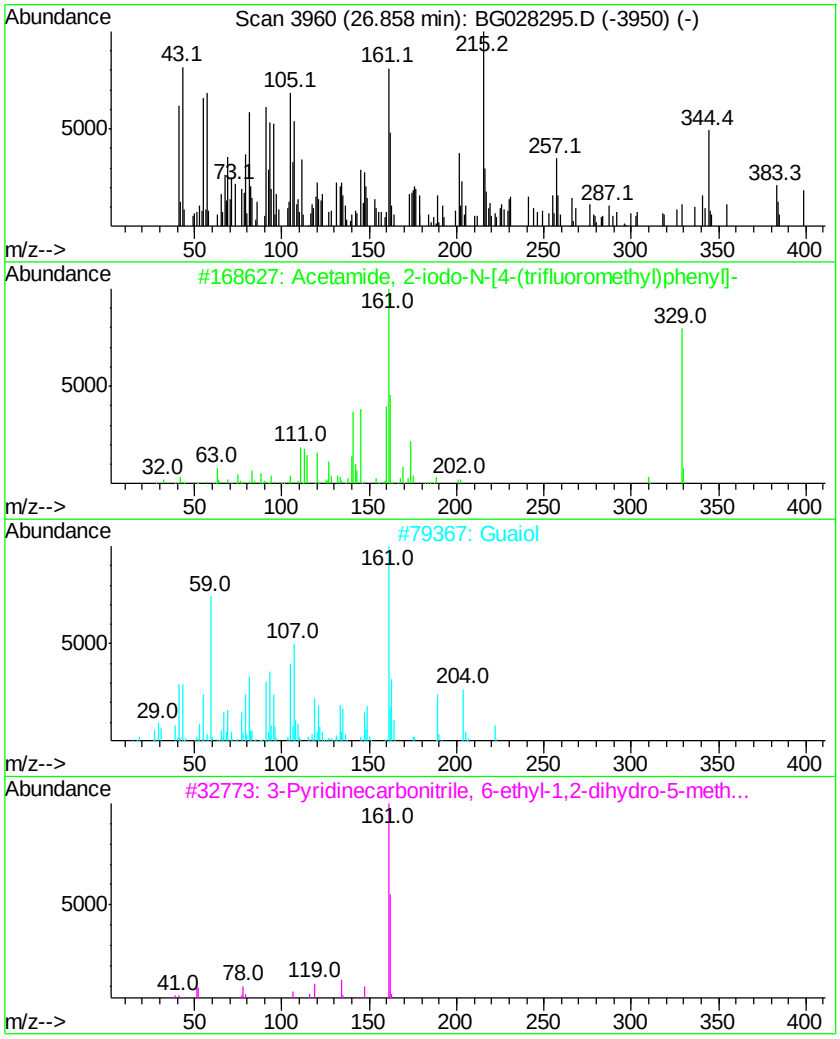
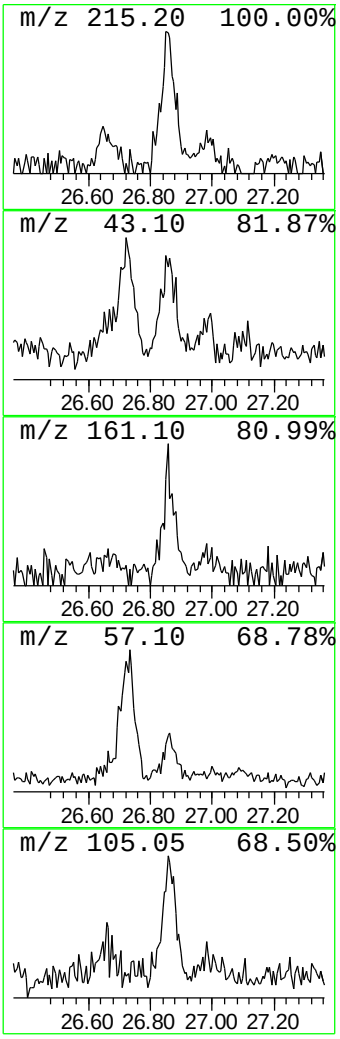
Peak Number 24 unknown-08 Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 26.86 | 4.53 ng/ul | 211299 | Perylene-d12 | 25.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Acetamide, 2-iodo-N-[4-(trifluor... | 329 | C9H7F3INO | 1000362-86-0 | 18 |
| 2 | Guaiol | 222 | C15H26O | 000489-86-1 | 18 |
| 3 | 3-Pyridinecarbonitrile, 6-ethyl-... | 162 | C9H10N2O | 113124-05-3 | 18 |
| 4 | Mesityl isocyanate | 161 | C10H11NO | 002958-62-5 | 15 |
| 5 | Guaiol | 222 | C15H26O | 000489-86-1 | 14 |



Data Path : Z:\HPCHEM1\BNA G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.M
Quant Title : SVOA CALIBRATION

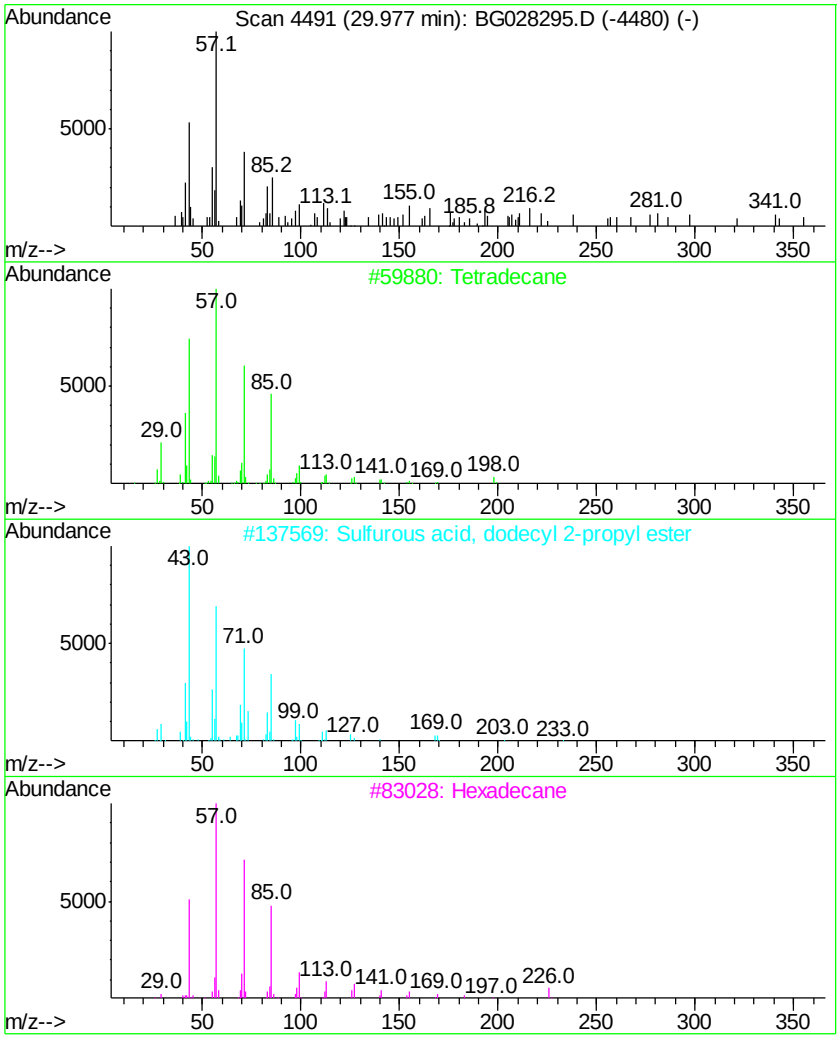
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

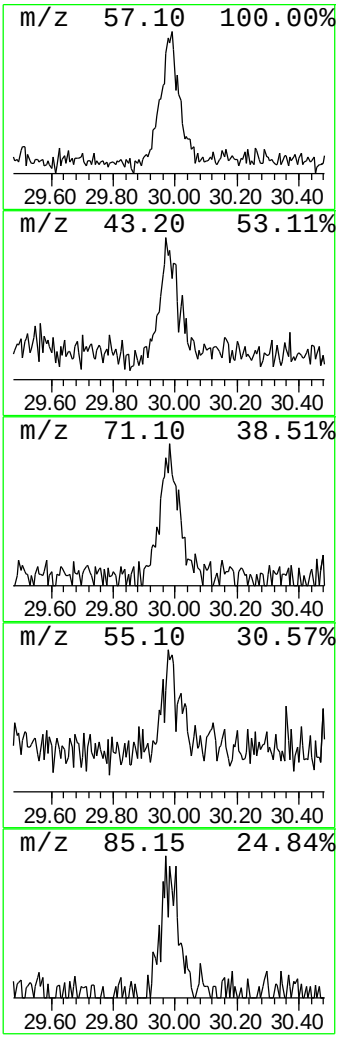
**********

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 29.98 | 2.49 ng/ul | 116361 | Perylene-d12 | 25.55 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 50 |
| 2 | Sulfurous acid, dodecyl 2-propyl... | 292 | C15H32O3S | 1000309-12-3 | 46 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 38 |
| 4 | Nonadecane | 268 | C19H40 | 000629-92-5 | 38 |
| 5 | Tridecane, 7-propyl- | 226 | C16H34 | 055045-09-5 | 38 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\Data\BG081117\
Data File : BG028295.D
Acq On : 11 Aug 2017 18:18
Operator : SJ/JU
Sample : I4557-02
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** C0AC5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080217.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 | 10.59 | 2.3 | ng/ul | 47575 | 2 | 11.18 | 408781 | 20.0 |
| 2-Propenal, 2-met... | 11.58 | 2.7 | ng/ul | 54634 | 2 | 11.18 | 408781 | 20.0 |
| Phenol, 2-propyl- | 11.98 | 3.6 | ng/ul | 73386 | 2 | 11.18 | 408781 | 20.0 |
| Benzocycloheptatr... | 13.03 | 2.3 | ng/ul | 47144 | 2 | 11.18 | 408781 | 20.0 |
| Naphthalene, 1,4-... | 14.14 | 2.7 | ng/ul | 90520 | 3 | 14.96 | 681108 | 20.0 |
| Naphthalene, 1,8-... | 14.29 | 3.1 | ng/ul | 105440 | 3 | 14.96 | 681108 | 20.0 |
| unknown-02 | 15.35 | 3.2 | ng/ul | 110432 | 3 | 14.96 | 681108 | 20.0 |
| 4-Propyl-1,1'-dip... | 15.88 | 2.3 | ng/ul | 77856 | 3 | 14.96 | 681108 | 20.0 |
| Sulfurous acid, 2... | 16.62 | 2.5 | ng/ul | 103679 | 4 | 17.71 | 825842 | 20.0 |
| unknown-03 | 16.99 | 2.7 | ng/ul | 111595 | 4 | 17.71 | 825842 | 20.0 |
| (DEL) Alkane: Str... | 17.42 | 3.1 | ng/ul | 129344 | 4 | 17.71 | 825842 | 20.0 |
| unknown-04 | 17.89 | 4.1 | ng/ul | 169791 | 4 | 17.71 | 825842 | 20.0 |
| Tridecanoic acid | 18.56 | 3.4 | ng/ul | 140869 | 4 | 17.71 | 825842 | 20.0 |
| (DEL) Alkane: Str... | 18.84 | 2.0 | ng/ul | 83515 | 4 | 17.71 | 825842 | 20.0 |
| (DEL) Alkane: Str... | 19.47 | 3.0 | ng/ul | 122357 | 4 | 17.71 | 825842 | 20.0 |
| E-14-Hexadecenal | 20.01 | 3.5 | ng/ul | 146724 | 5 | 22.04 | 848709 | 20.0 |
| (DEL) Alkane: Str... | 20.57 | 3.1 | ng/ul | 132089 | 5 | 22.04 | 848709 | 20.0 |
| (DEL) Alkane: Cyc... | 21.05 | 3.6 | ng/ul | 153708 | 5 | 22.04 | 848709 | 20.0 |
| unknown-05 | 21.09 | 6.7 | ng/ul | 283924 | 5 | 22.04 | 848709 | 20.0 |
| (DEL) Alkane: Cyc... | 21.61 | 4.6 | ng/ul | 194849 | 5 | 22.04 | 848709 | 20.0 |
| unknown-06 | 21.78 | 3.3 | ng/ul | 138336 | 5 | 22.04 | 848709 | 20.0 |
| (DEL) Alkane: Cyc... | 22.17 | 2.8 | ng/ul | 119540 | 5 | 22.04 | 848709 | 20.0 |
| unknow-07 | 26.20 | 2.6 | ng/ul | 123568 | 6 | 25.55 | 932962 | 20.0 |
| unknown-08 | 26.86 | 4.5 | ng/ul | 211299 | 6 | 25.55 | 932962 | 20.0 |
| (DEL) Alkane: Str... | 29.98 | 2.5 | ng/ul | 116361 | 6 | 25.55 | 932962 | 20.0 |