LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A80DL2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.616 | 443 | 447 | 454 | rVB4 | 25353 | 37309 | 1.66% | 0.150% |
| 2 | 6.810 | 646 | 650 | 660 | rVB7 | 17166 | 39473 | 1.75% | 0.159% |
| 3 | 7.198 | 711 | 716 | 720 | rVV2 | 48399 | 76728 | 3.41% | 0.308% |
| 4 | 7.581 | 773 | 781 | 790 | rBV | 545764 | 913790 | 40.57% | 3.673% |
| 5 | 8.069 | 859 | 864 | 868 | rBV5 | 16555 | 28091 | 1.25% | 0.113% |
| 6 | 8.228 | 884 | 891 | 897 | rBV8 | 25555 | 49969 | 2.22% | 0.201% |
| 7 | 8.340 | 905 | 910 | 914 | rBV6 | 21137 | 37023 | 1.64% | 0.149% |
| 8 | 8.792 | 983 | 987 | 993 | rVB | 94207 | 143116 | 6.35% | 0.575% |
| 9 | 9.787 | 1147 | 1156 | 1162 | rBV7 | 29826 | 57429 | 2.55% | 0.231% |
| 10 | 9.892 | 1168 | 1174 | 1179 | rBV4 | 18016 | 26928 | 1.20% | 0.108% |
| 11 | 10.357 | 1243 | 1253 | 1258 | rBV | 731801 | 1445547 | 64.18% | 5.810% |
| 12 | 10.404 | 1258 | 1261 | 1269 | rVB | 138463 | 248066 | 11.01% | 0.997% |
| 13 | 10.516 | 1276 | 1280 | 1288 | rVB4 | 37094 | 62007 | 2.75% | 0.249% |
| 14 | 10.657 | 1297 | 1304 | 1309 | rVB8 | 15288 | 30203 | 1.34% | 0.121% |
| 15 | 10.739 | 1312 | 1318 | 1324 | rBV8 | 11362 | 28650 | 1.27% | 0.115% |
| 16 | 11.198 | 1389 | 1396 | 1397 | rBV5 | 25602 | 33677 | 1.50% | 0.135% |
| 17 | 11.269 | 1404 | 1408 | 1415 | rVB4 | 40311 | 78442 | 3.48% | 0.315% |
| 18 | 11.381 | 1421 | 1427 | 1431 | rBV3 | 71398 | 114209 | 5.07% | 0.459% |
| 19 | 11.463 | 1436 | 1441 | 1447 | rVB10 | 26173 | 53032 | 2.35% | 0.213% |
| 20 | 11.786 | 1487 | 1496 | 1503 | rBV2 | 245498 | 392421 | 17.42% | 1.577% |
| 21 | 12.033 | 1529 | 1538 | 1545 | rVB | 133962 | 235862 | 10.47% | 0.948% |
| 22 | 12.257 | 1567 | 1576 | 1585 | rBV | 91066 | 192567 | 8.55% | 0.774% |
| 23 | 12.439 | 1600 | 1607 | 1610 | rBV6 | 23166 | 45418 | 2.02% | 0.183% |
| 24 | 12.492 | 1610 | 1616 | 1622 | rVB8 | 20421 | 54780 | 2.43% | 0.220% |
| 25 | 12.616 | 1633 | 1637 | 1645 | rVB5 | 39386 | 76726 | 3.41% | 0.308% |
| 26 | 12.704 | 1648 | 1652 | 1656 | rBV5 | 30346 | 50993 | 2.26% | 0.205% |
| 27 | 12.757 | 1657 | 1661 | 1667 | rVV | 88572 | 130876 | 5.81% | 0.526% |
| 28 | 12.810 | 1667 | 1670 | 1677 | rVB8 | 18207 | 34712 | 1.54% | 0.140% |
| 29 | 13.051 | 1704 | 1711 | 1719 | rBV2 | 348525 | 551904 | 24.50% | 2.218% |
| 30 | 13.210 | 1736 | 1738 | 1743 | rVB6 | 20492 | 27113 | 1.20% | 0.109% |
| 31 | 13.269 | 1743 | 1748 | 1749 | rVV4 | 30923 | 47829 | 2.12% | 0.192% |
| 32 | 13.286 | 1749 | 1751 | 1756 | rVB6 | 25720 | 39205 | 1.74% | 0.158% |
| 33 | 13.392 | 1763 | 1769 | 1770 | rBV5 | 62330 | 82072 | 3.64% | 0.330% |
| 34 | 13.551 | 1790 | 1796 | 1801 | rBV3 | 97116 | 193348 | 8.58% | 0.777% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A80DL2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.604 | 1802 | 1805 | 1808 | rBV3 | 38548 | 54781 | 2.43% | 0.220% |
| 36 | 13.716 | 1817 | 1824 | 1829 | rVB3 | 141855 | 206329 | 9.16% | 0.829% |
| 37 | 13.763 | 1829 | 1832 | 1835 | rVV4 | 53565 | 76799 | 3.41% | 0.309% |
| 38 | 13.792 | 1835 | 1837 | 1841 | rVV2 | 32027 | 38745 | 1.72% | 0.156% |
| 39 | 13.839 | 1841 | 1845 | 1849 | rVB6 | 32768 | 47611 | 2.11% | 0.191% |
| 40 | 13.927 | 1856 | 1860 | 1863 | rBV | 43813 | 63526 | 2.82% | 0.255% |
| 41 | 13.957 | 1863 | 1865 | 1873 | rVB8 | 29916 | 43631 | 1.94% | 0.175% |
| 42 | 14.057 | 1878 | 1882 | 1889 | rVB8 | 24924 | 49291 | 2.19% | 0.198% |
| 43 | 14.139 | 1889 | 1896 | 1901 | rBV | 459682 | 585286 | 25.99% | 2.353% |
| 44 | 14.233 | 1903 | 1912 | 1919 | rBV4 | 994846 | 1953012 | 86.71% | 7.850% |
| 45 | 14.298 | 1919 | 1923 | 1932 | rVB2 | 146093 | 242659 | 10.77% | 0.975% |
| 46 | 14.380 | 1932 | 1937 | 1943 | rVB6 | 57700 | 89822 | 3.99% | 0.361% |
| 47 | 14.451 | 1945 | 1949 | 1959 | rVB6 | 45700 | 124427 | 5.52% | 0.500% |
| 48 | 14.533 | 1959 | 1963 | 1964 | rBV4 | 22897 | 26090 | 1.16% | 0.105% |
| 49 | 14.604 | 1969 | 1975 | 1978 | rBV8 | 36826 | 82951 | 3.68% | 0.333% |
| 50 | 14.645 | 1978 | 1982 | 1987 | rVB | 155221 | 233416 | 10.36% | 0.938% |
| 51 | 14.716 | 1987 | 1994 | 1998 | rBV6 | 42486 | 84124 | 3.74% | 0.338% |
| 52 | 14.763 | 1998 | 2002 | 2006 | rBV4 | 83715 | 128793 | 5.72% | 0.518% |
| 53 | 14.798 | 2006 | 2008 | 2012 | rVB4 | 27736 | 27205 | 1.21% | 0.109% |
| 54 | 14.880 | 2016 | 2022 | 2027 | rBV5 | 95672 | 170645 | 7.58% | 0.686% |
| 55 | 15.010 | 2038 | 2044 | 2051 | rBV9 | 46279 | 114143 | 5.07% | 0.459% |
| 56 | 15.098 | 2051 | 2059 | 2064 | rVB | 427031 | 554131 | 24.60% | 2.227% |
| 57 | 15.233 | 2078 | 2082 | 2086 | rVB3 | 51989 | 80287 | 3.56% | 0.323% |
| 58 | 15.292 | 2086 | 2092 | 2097 | rBV | 135707 | 205999 | 9.15% | 0.828% |
| 59 | 15.345 | 2097 | 2101 | 2106 | rVB6 | 33349 | 56424 | 2.51% | 0.227% |
| 60 | 15.410 | 2109 | 2112 | 2116 | rVB6 | 24552 | 33711 | 1.50% | 0.136% |
| 61 | 15.504 | 2122 | 2128 | 2133 | rVV2 | 111078 | 180780 | 8.03% | 0.727% |
| 62 | 15.592 | 2139 | 2143 | 2151 | rVB10 | 47964 | 98209 | 4.36% | 0.395% |
| 63 | 15.657 | 2151 | 2154 | 2157 | rBV3 | 43861 | 58470 | 2.60% | 0.235% |
| 64 | 15.704 | 2157 | 2162 | 2168 | rVV | 330579 | 470926 | 20.91% | 1.893% |
| 65 | 15.798 | 2176 | 2178 | 2182 | rBV5 | 22941 | 32794 | 1.46% | 0.132% |
| 66 | 15.963 | 2201 | 2206 | 2214 | rBV | 429560 | 835814 | 37.11% | 3.360% |
| 67 | 16.033 | 2214 | 2218 | 2222 | rVB | 172022 | 224796 | 9.98% | 0.904% |
| 68 | 16.304 | 2259 | 2264 | 2268 | rBV8 | 37837 | 63640 | 2.83% | 0.256% |
| 69 | 16.474 | 2287 | 2293 | 2295 | rVB7 | 27427 | 34244 | 1.52% | 0.138% |
| 70 | 16.539 | 2298 | 2304 | 2306 | rBV7 | 28257 | 43020 | 1.91% | 0.173% |
| 71 | 16.568 | 2306 | 2309 | 2312 | rVB5 | 27443 | 34909 | 1.55% | 0.140% |

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A80DL2

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 16.645 | 2316 | 2322 | 2334 | rVV | 1499920 | 2252240 | 100.00% | 9.053% |
| 73 | 16.757 | 2336 | 2341 | 2346 | rVV | 350111 | 498244 | 22.12% | 2.003% |
| 74 | 16.810 | 2346 | 2350 | 2359 | rVB2 | 126357 | 214947 | 9.54% | 0.864% |
| 75 | 16.898 | 2361 | 2365 | 2371 | rBV4 | 48298 | 77858 | 3.46% | 0.313% |
| 76 | 16.992 | 2375 | 2381 | 2385 | rBV | 1123963 | 1694449 | 75.23% | 6.811% |
| 77 | 17.033 | 2385 | 2388 | 2394 | rVV | 364698 | 500052 | 22.20% | 2.010% |
| 78 | 17.092 | 2395 | 2398 | 2401 | rVV2 | 63721 | 81250 | 3.61% | 0.327% |
| 79 | 17.127 | 2401 | 2404 | 2409 | rVB2 | 64484 | 85497 | 3.80% | 0.344% |
| 80 | 17.215 | 2413 | 2419 | 2426 | rVB7 | 74996 | 138324 | 6.14% | 0.556% |
| 81 | 17.298 | 2429 | 2433 | 2437 | rVB7 | 23862 | 41110 | 1.83% | 0.165% |
| 82 | 17.415 | 2446 | 2453 | 2460 | rBV7 | 56331 | 133761 | 5.94% | 0.538% |
| 83 | 17.492 | 2462 | 2466 | 2470 | rBV | 263130 | 323679 | 14.37% | 1.301% |
| 84 | 17.580 | 2477 | 2481 | 2488 | rVB8 | 31728 | 62654 | 2.78% | 0.252% |
| 85 | 17.715 | 2501 | 2504 | 2510 | rVB6 | 19980 | 43230 | 1.92% | 0.174% |
| 86 | 17.774 | 2510 | 2514 | 2519 | rBV8 | 30343 | 63390 | 2.81% | 0.255% |
| 87 | 17.868 | 2527 | 2530 | 2532 | rBV3 | 24350 | 33403 | 1.48% | 0.134% |
| 88 | 17.921 | 2533 | 2539 | 2545 | rVB6 | 49863 | 100957 | 4.48% | 0.406% |
| 89 | 18.062 | 2559 | 2563 | 2567 | rBV5 | 37554 | 59332 | 2.63% | 0.238% |
| 90 | 18.186 | 2579 | 2584 | 2589 | rBV | 237057 | 291672 | 12.95% | 1.172% |
| 91 | 18.380 | 2612 | 2617 | 2620 | rBV7 | 24644 | 47880 | 2.13% | 0.192% |
| 92 | 18.533 | 2640 | 2643 | 2647 | rBV4 | 23214 | 30010 | 1.33% | 0.121% |
| 93 | 18.827 | 2689 | 2693 | 2697 | rBV | 195062 | 204151 | 9.06% | 0.821% |
| 94 | 19.056 | 2728 | 2732 | 2739 | rBV | 153674 | 246560 | 10.95% | 0.991% |
| 95 | 19.409 | 2785 | 2792 | 2800 | rBV3 | 225467 | 522639 | 23.21% | 2.101% |
| 96 | 19.951 | 2881 | 2884 | 2889 | rVB2 | 141984 | 167321 | 7.43% | 0.673% |
| 97 | 20.451 | 2965 | 2969 | 2972 | rBV2 | 107254 | 109981 | 4.88% | 0.442% |
| 98 | 20.909 | 3045 | 3047 | 3053 | rVB2 | 105074 | 118005 | 5.24% | 0.474% |
| 99 | 21.192 | 3090 | 3095 | 3101 | rBV | 1428004 | 1895933 | 84.18% | 7.621% |
| 100 | 23.380 | 3461 | 3467 | 3476 | rVB | 877690 | 1728929 | 76.76% | 6.950% |

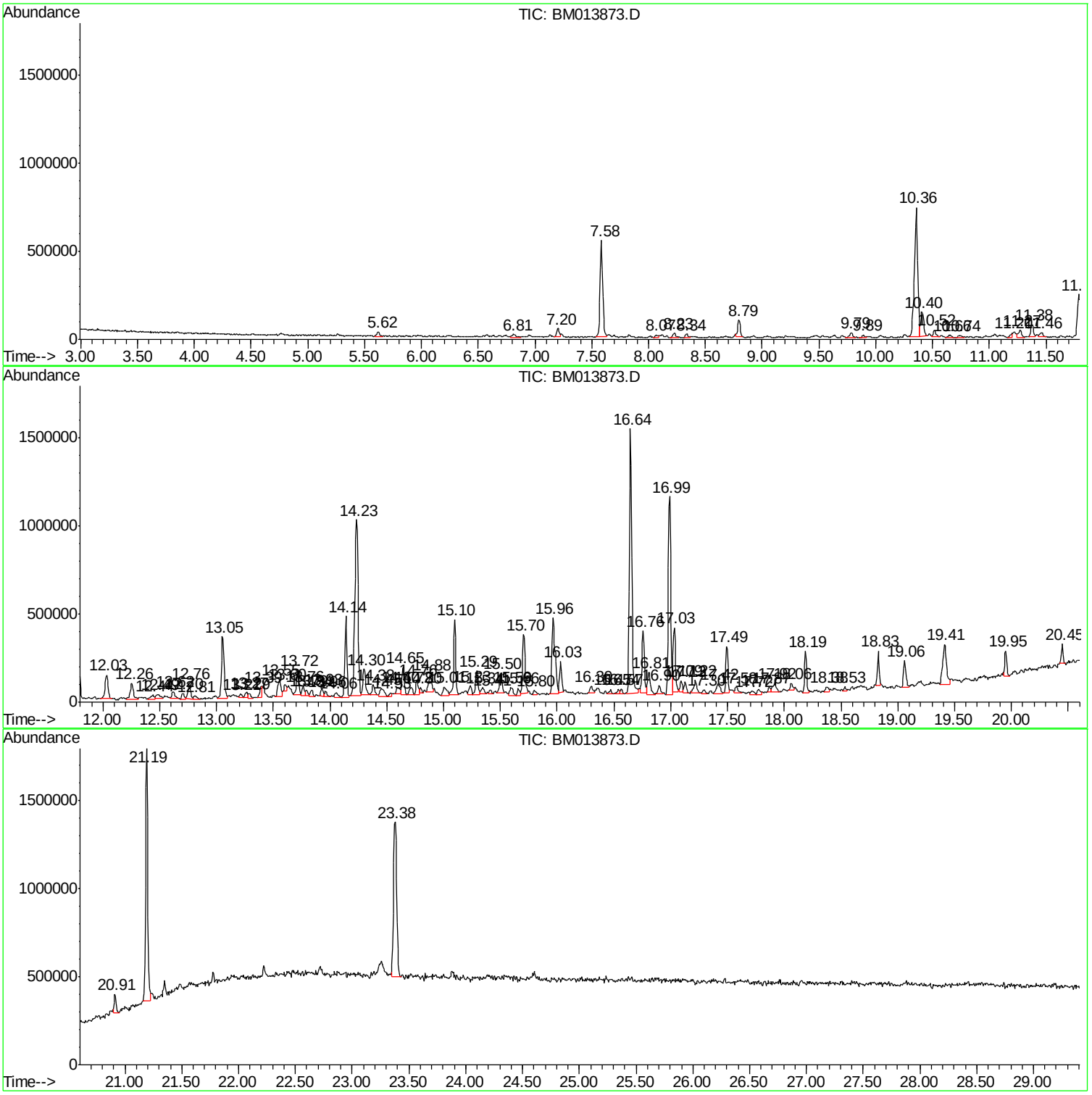
Sum of corrected areas: 24878413

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
F6A80DL2

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

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A80DL2

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

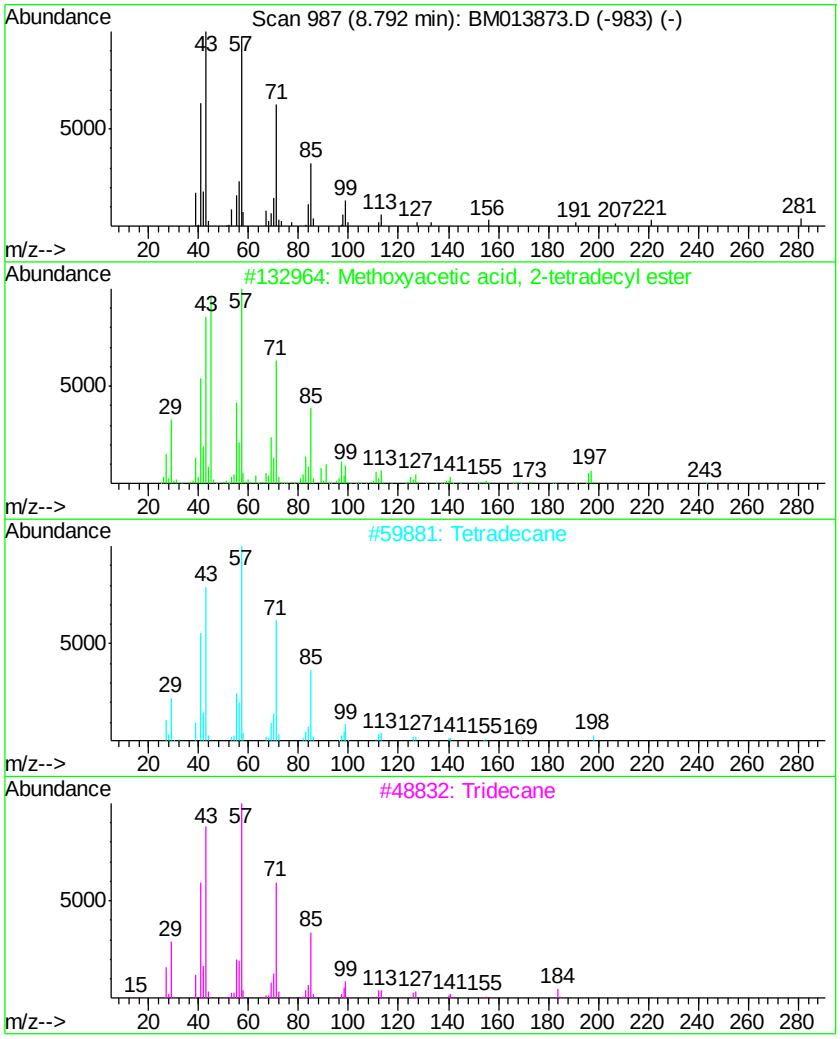
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

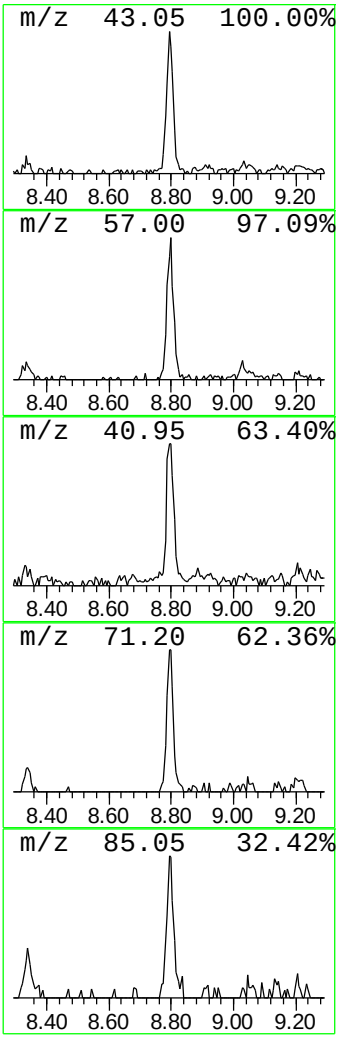
**********

Peak Number 1 Methoxyacetic acid, 2-tetra... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.79 | 3.13 ng/ul | 143116 | 1,4-Dichlorobenzene-d4 | 7.58 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Methoxyacetic acid, 2-tetradecyl... | 286 | C17H34O3 | 1000282-04-8 | 90 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 83 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 83 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 72 |
| 5 | Heptane, 2,6-dimethyl- | 128 | C9H20 | 001072-05-5 | 72 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A80DL2

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

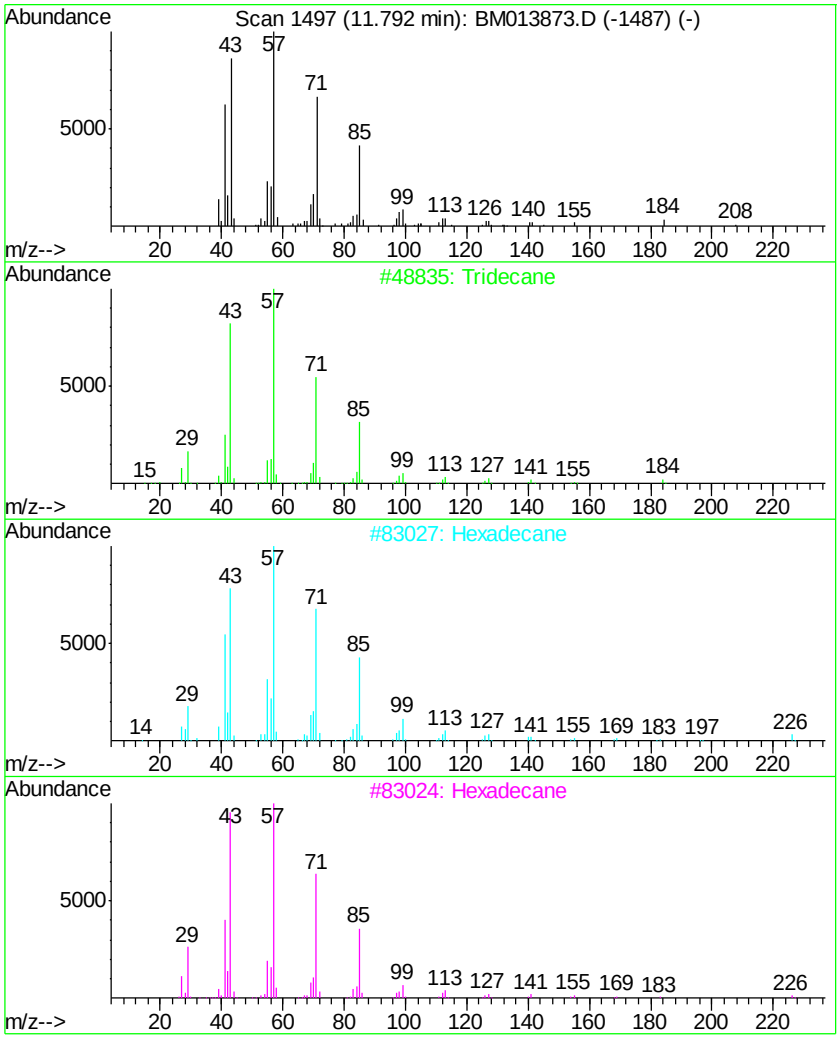
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

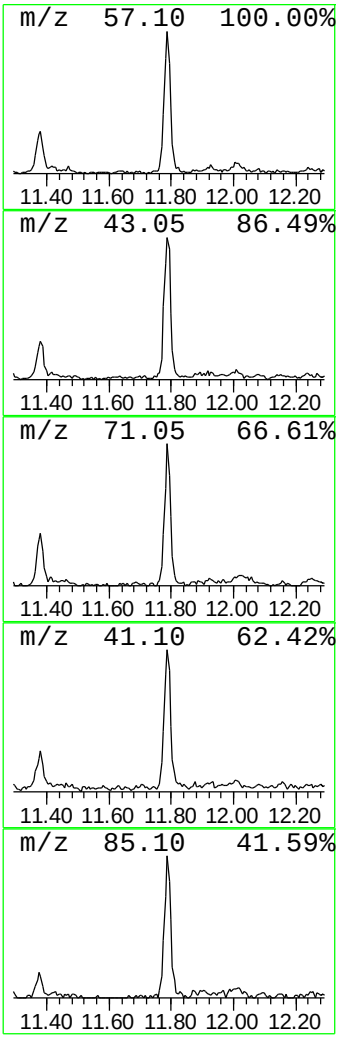
**********

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.79 | 5.43 ng/ul | 392421 | Naphthalene-d8 | 10.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 91 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 83 |
| 4 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 83 |
| 5 | Decane, 2,4,6-trimethyl- | 184 | C13H28 | 062108-27-4 | 83 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A80DL2

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

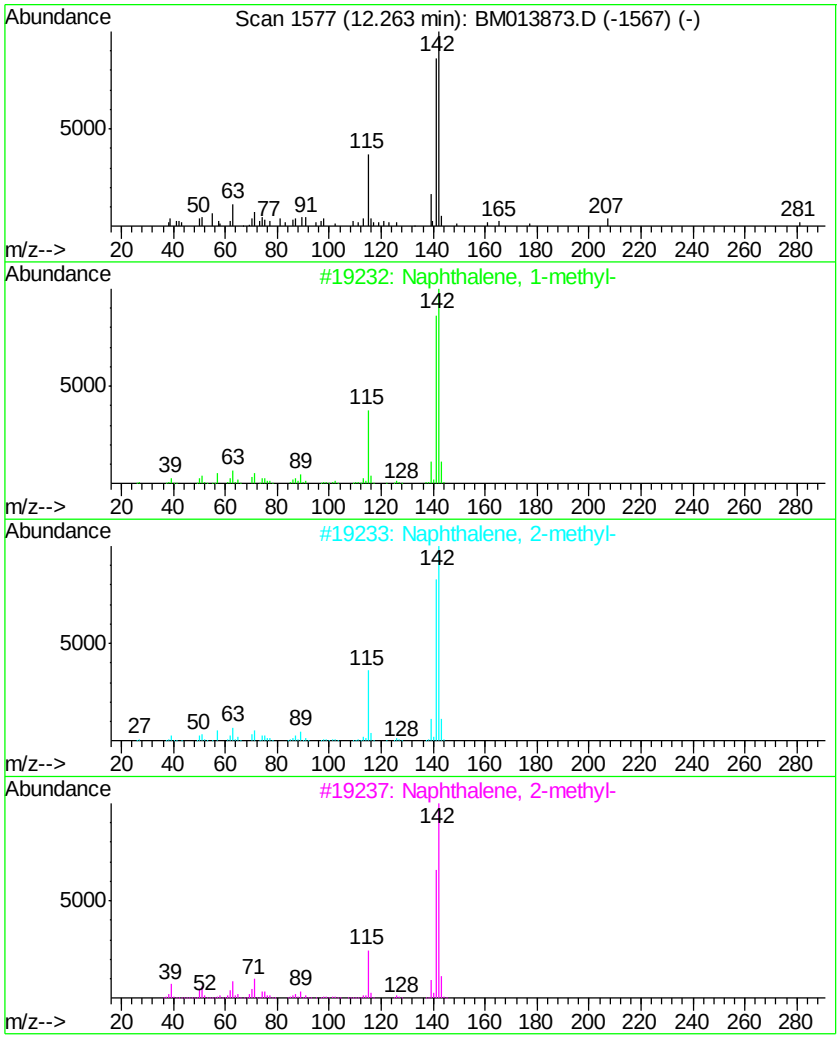
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

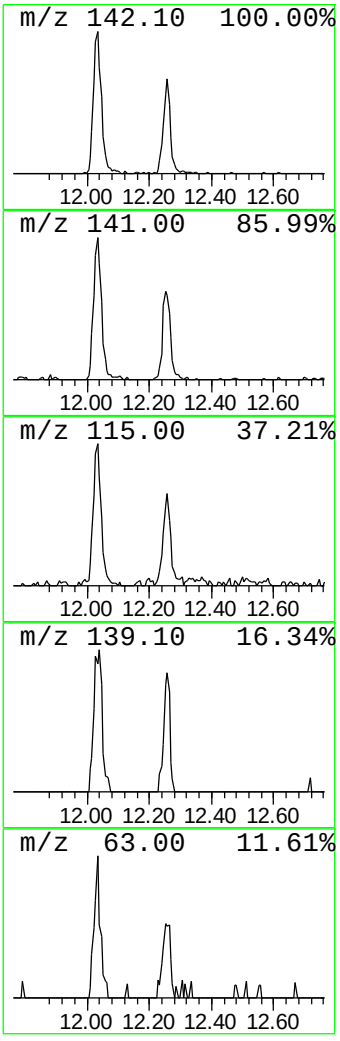
**********

Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.26 | 2.66 ng/ul | 192567 | Naphthalene-d8 | 10.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 97 |
| 2 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 97 |
| 3 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 94 |
| 4 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 93 |
| 5 | Benzocycloheptatriene | 142 | C11H10 | 000264-09-5 | 91 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A80DL2

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

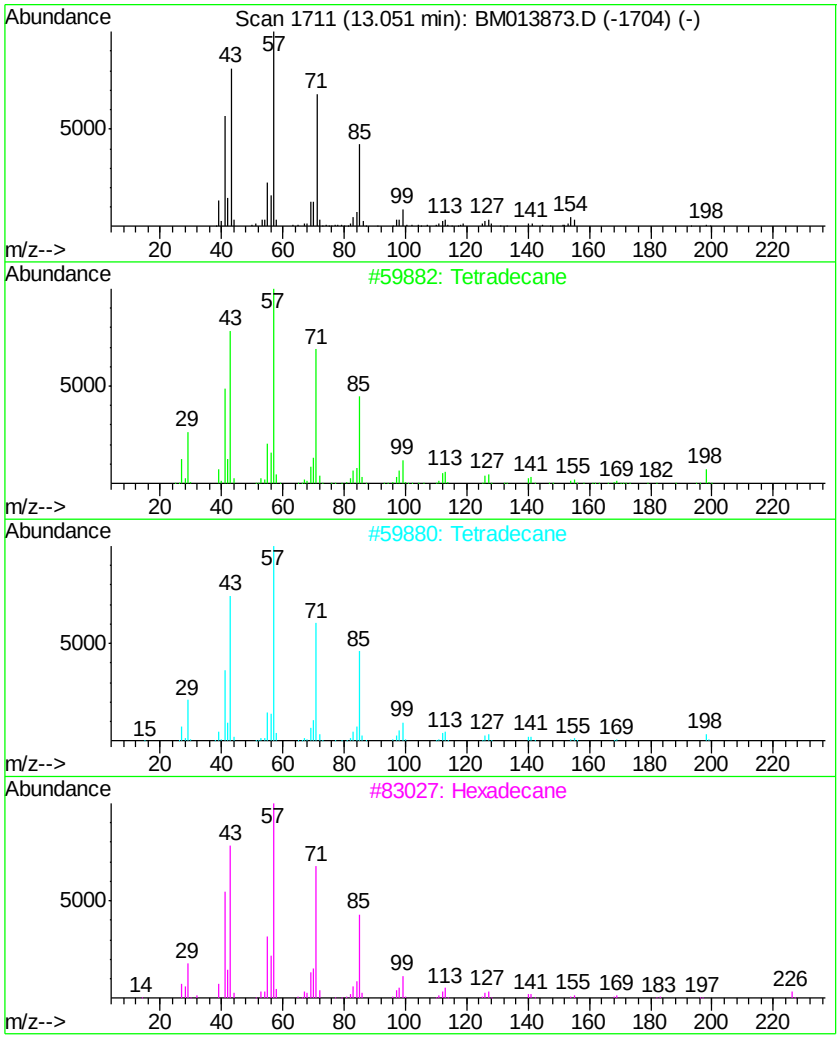
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

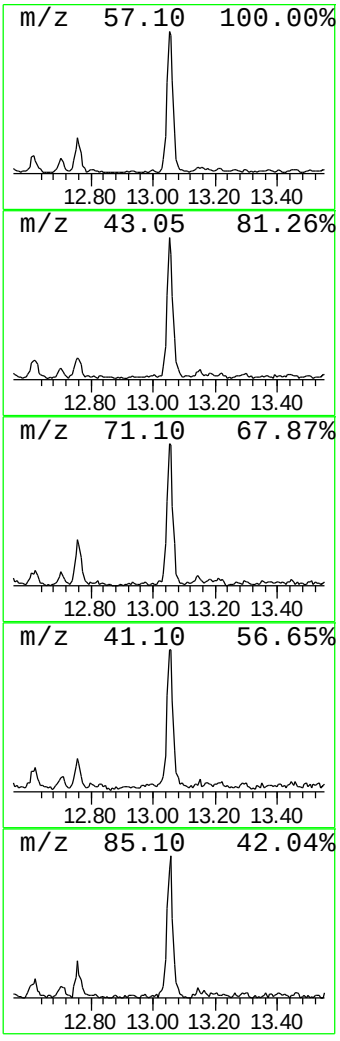
**********

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.05 | 5.65 ng/ul | 551904 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 93 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 93 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 87 |
| 4 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 86 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 86 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A80DL2

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

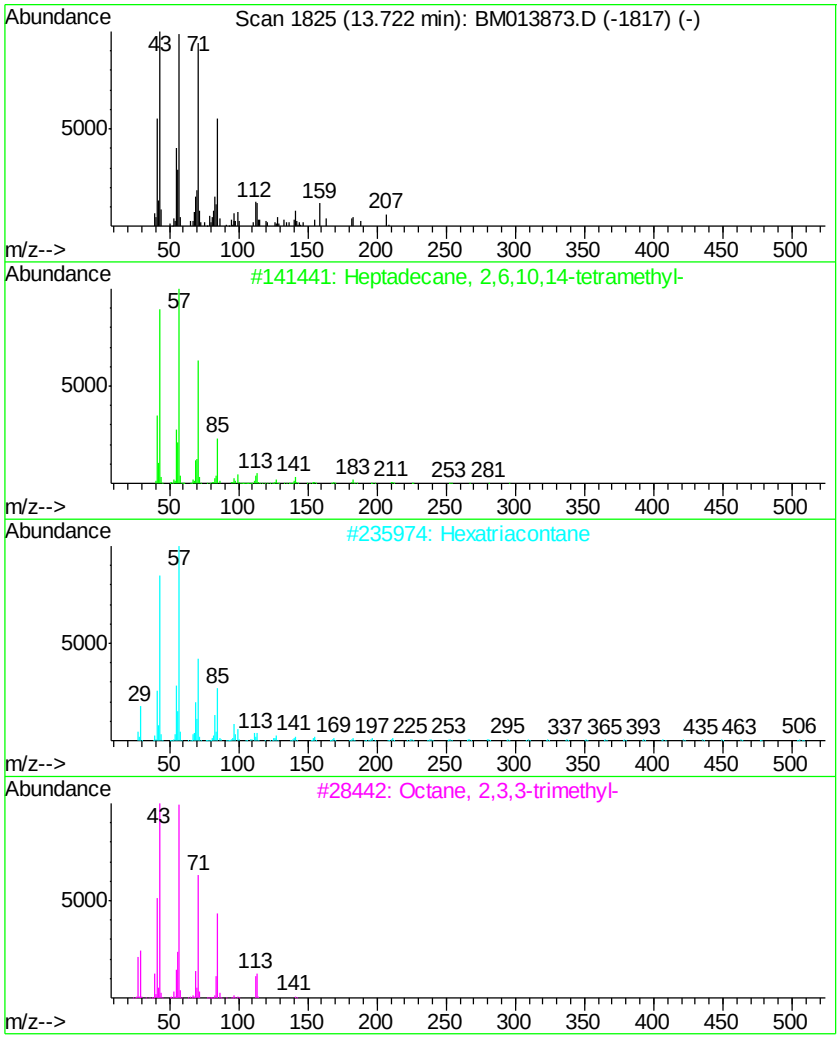
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

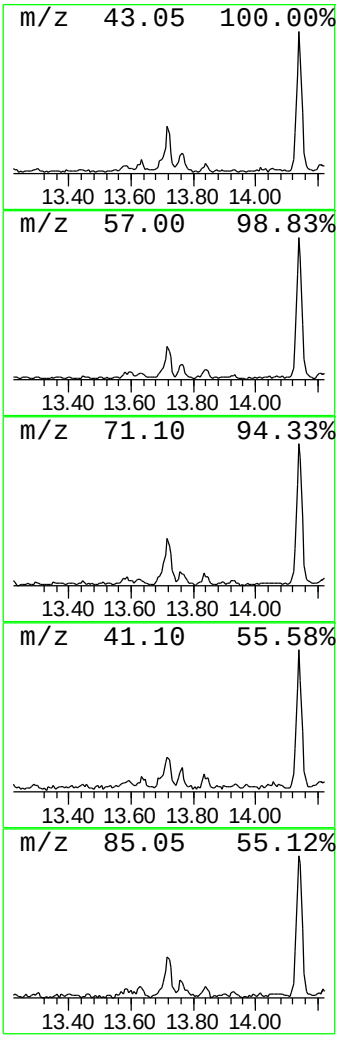
**********

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.72 | 2.11 ng/ul | 206329 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 2,6,10,14-tetramethyl- | 296 | C21H44 | 018344-37-1 | 72 |
| 2 | Hexatriacontane | 507 | C36H74 | 000630-06-8 | 64 |
| 3 | Octane, 2,3,3-trimethyl- | 156 | C11H24 | 062016-30-2 | 53 |
| 4 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 53 |
| 5 | Decane, 2,9-dimethyl- | 170 | C12H26 | 001002-17-1 | 50 |



# Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A80DL2

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

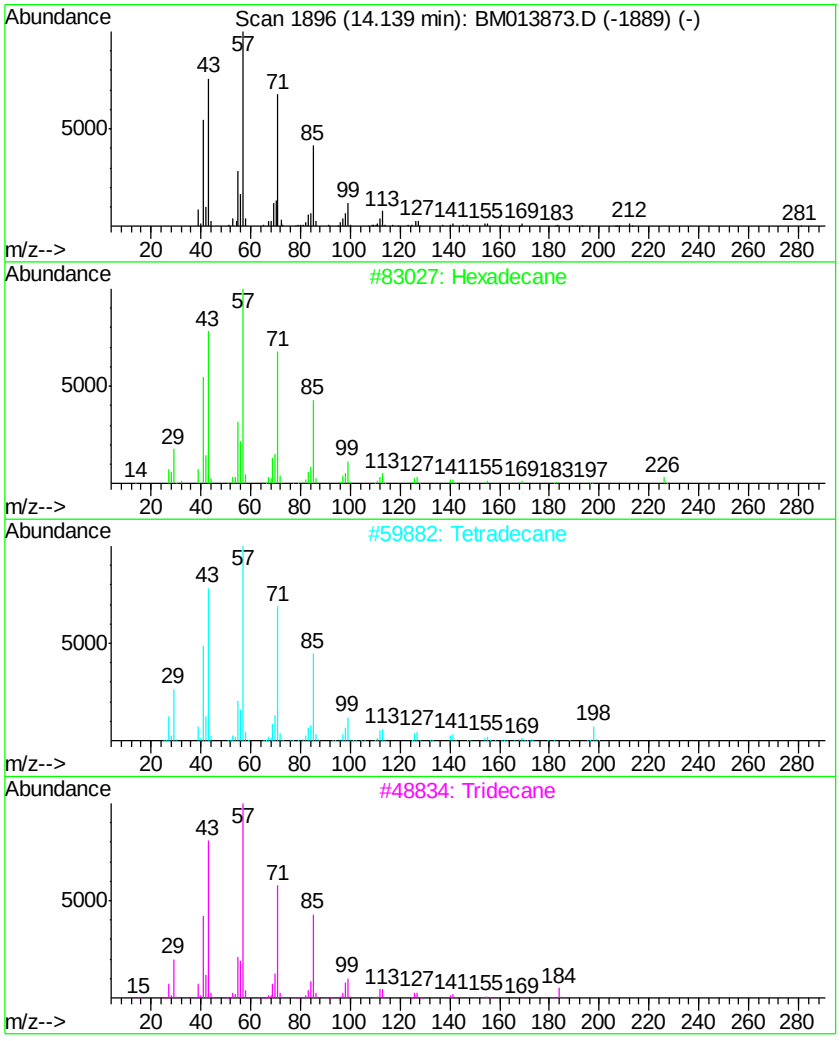
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

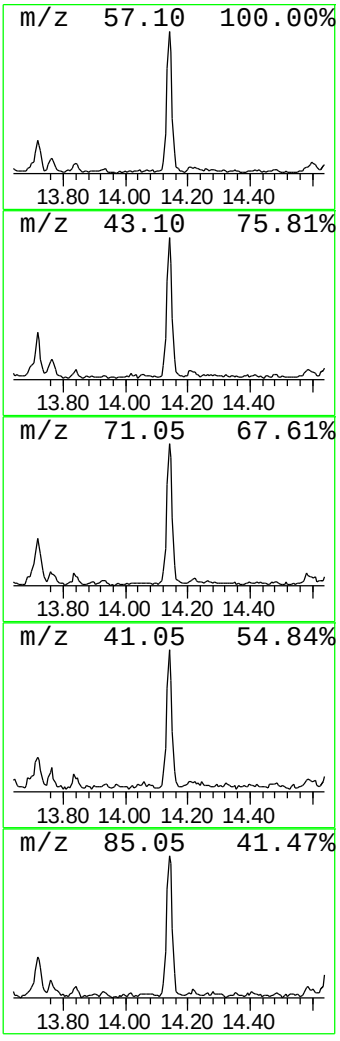
**********

Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.14 | 5.99 ng/ul | 585286 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 91 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 91 |
| 4 | Pentadecane | 212 | C15H32 | 000629-62-9 | 91 |
| 5 | Octadecane | 254 | C18H38 | 000593-45-3 | 90 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A80DL2

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

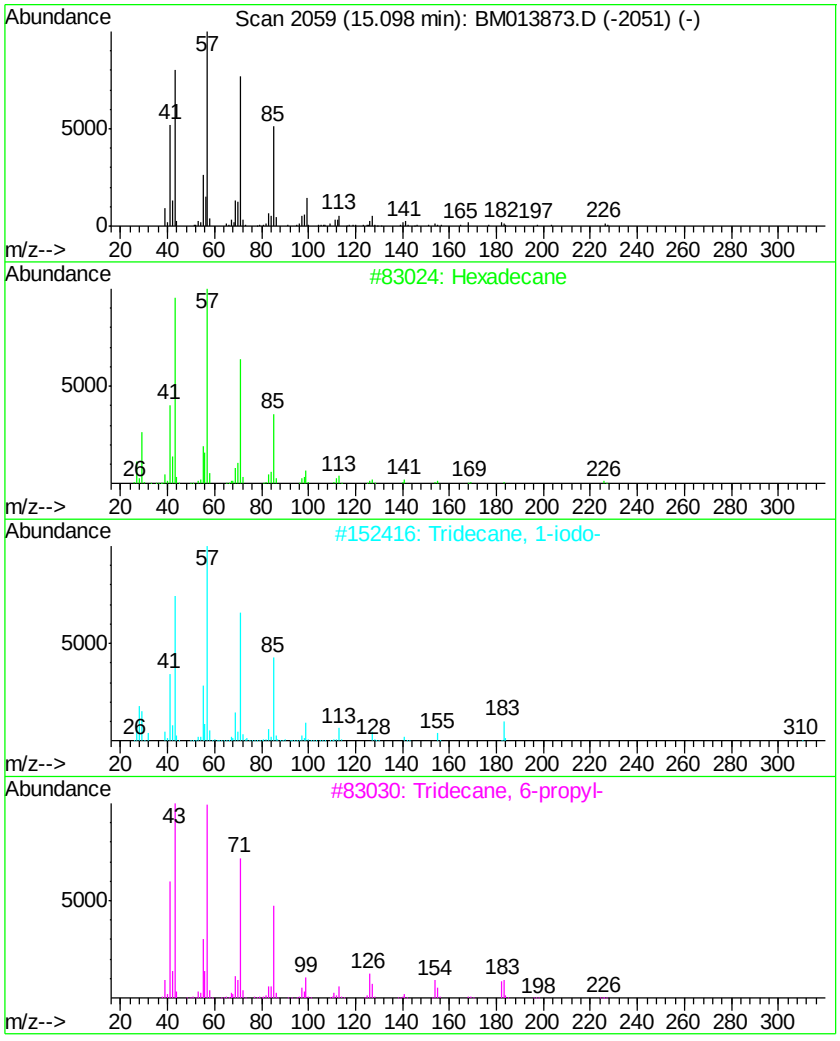
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

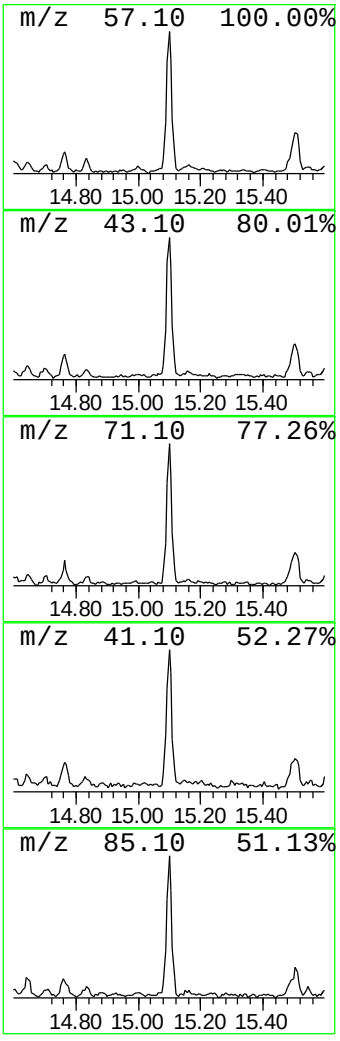
**********

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.10 | 5.67 ng/ul | 554131 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 93 |
| 2 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 91 |
| 3 | Tridecane, 6-propyl- | 226 | C16H34 | 055045-10-8 | 90 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 5 | Decane, 5-propyl- | 184 | C13H28 | 017312-62-8 | 86 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A80DL2

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

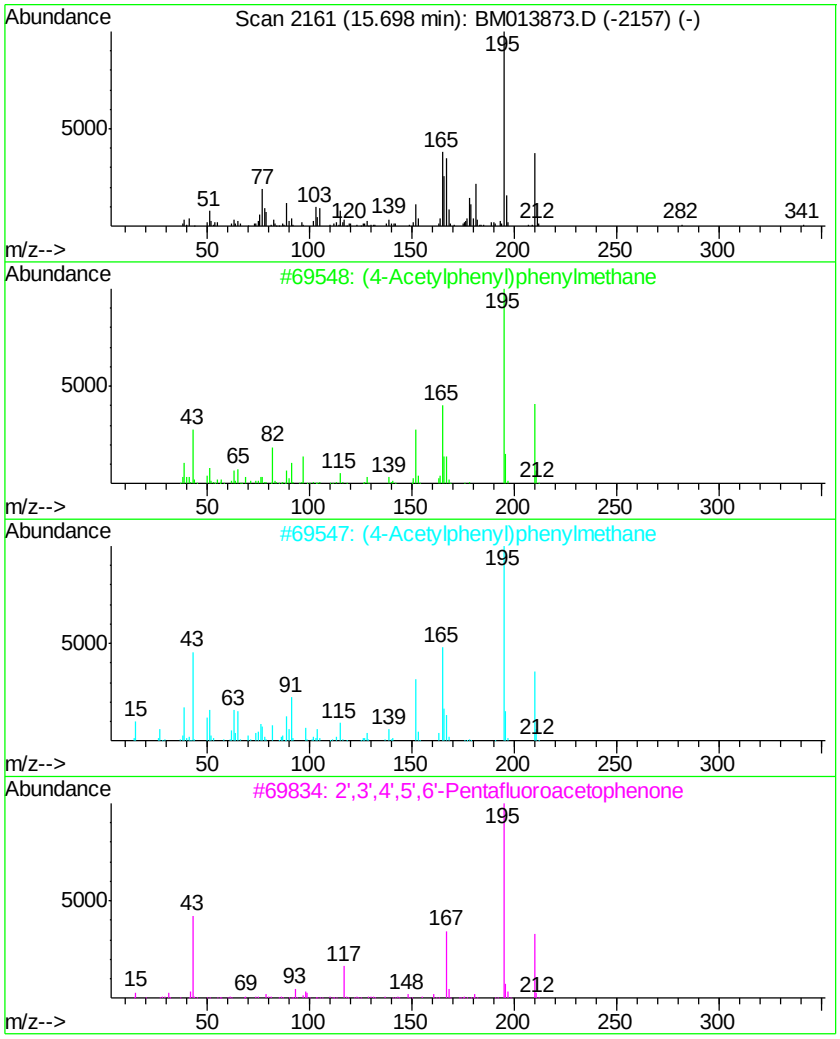
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

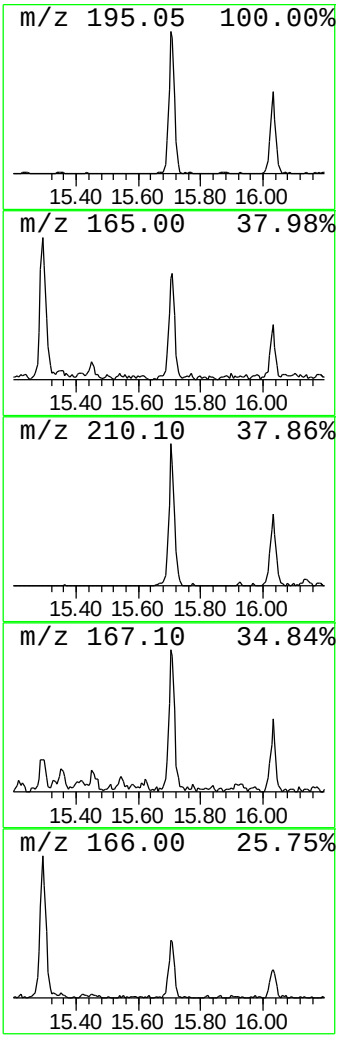
**********

Peak Number 8 (4-Acetylphenyl)phenylmethane Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.70 | 5.56 ng/ul | 470926 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (4-Acetylphenyl)phenylmethane | 210 | C15H14O | 000782-92-3 | 62 |
| 2 | (4-Acetylphenyl)phenylmethane | 210 | C15H14O | 000782-92-3 | 53 |
| 3 | 2',3',4',5',6'-Pentafluoroacetop... | 210 | C8H3F5O | 000652-29-9 | 52 |
| 4 | 2',3',4',5',6'-Pentafluoroacetop... | 210 | C8H3F5O | 000652-29-9 | 50 |
| 5 | Ethanone, 1-(3,4,5-trimethoxyphe... | 210 | C11H14O4 | 001136-86-3 | 47 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A80DL2

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

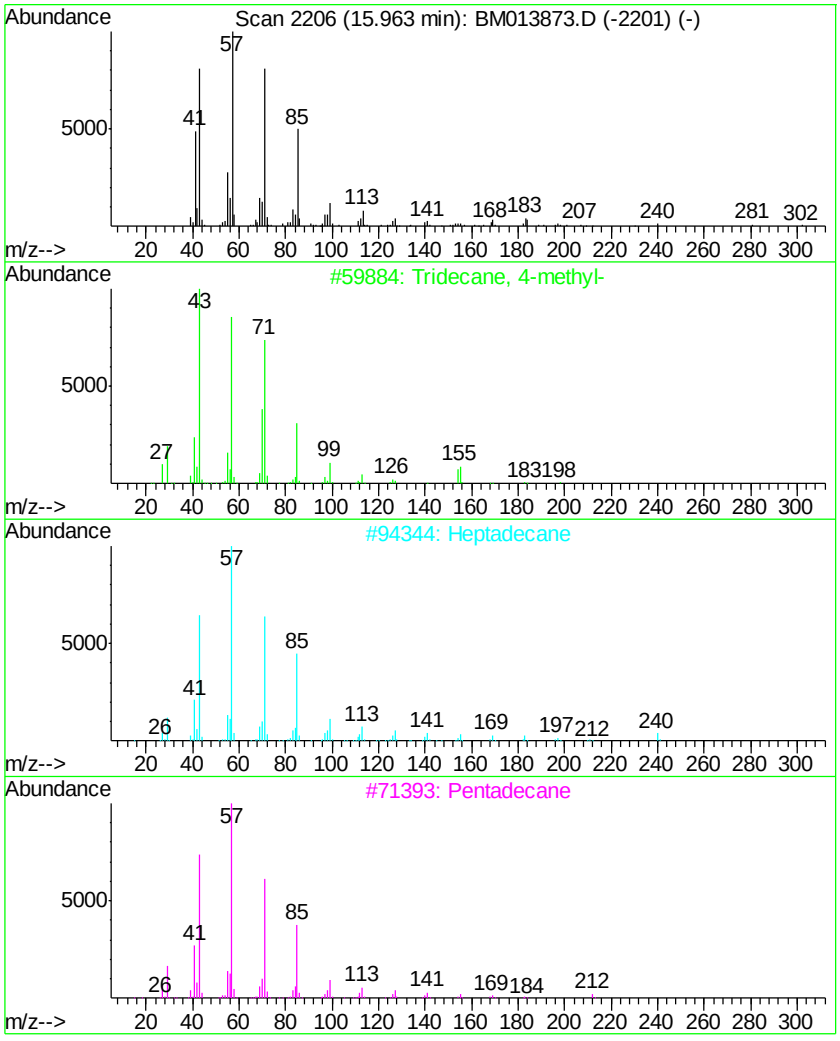
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

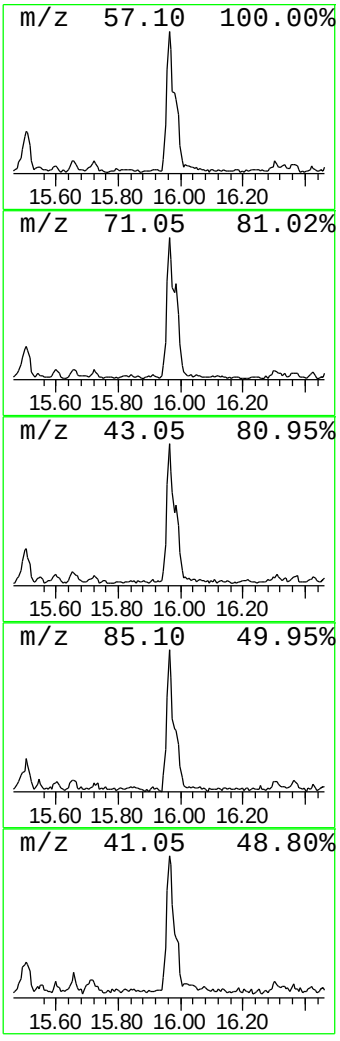
**********

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.96 | 9.87 ng/ul | 835814 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 4-methyl- | 198 | C14H30 | 026730-12-1 | 90 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 90 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 86 |
| 4 | Decane, 3,8-dimethyl- | 170 | C12H26 | 017312-55-9 | 83 |
| 5 | Hexadecane, 7-methyl- | 240 | C17H36 | 026730-20-1 | 76 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A80DL2

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

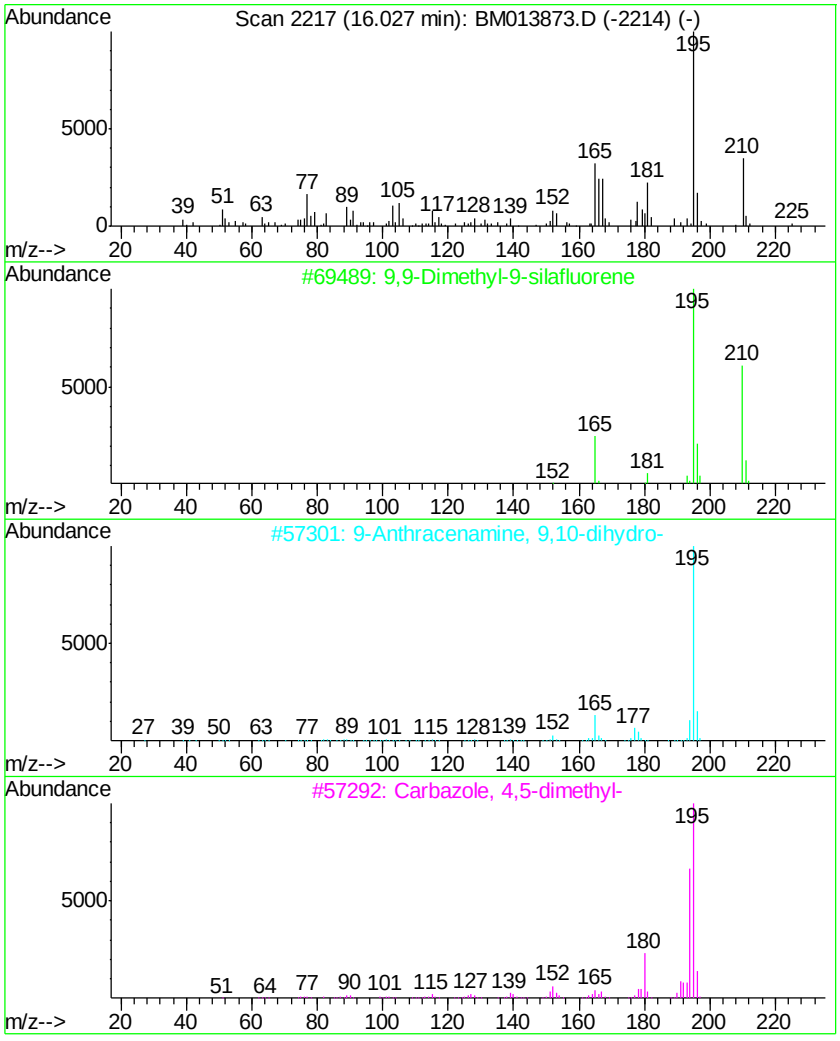
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

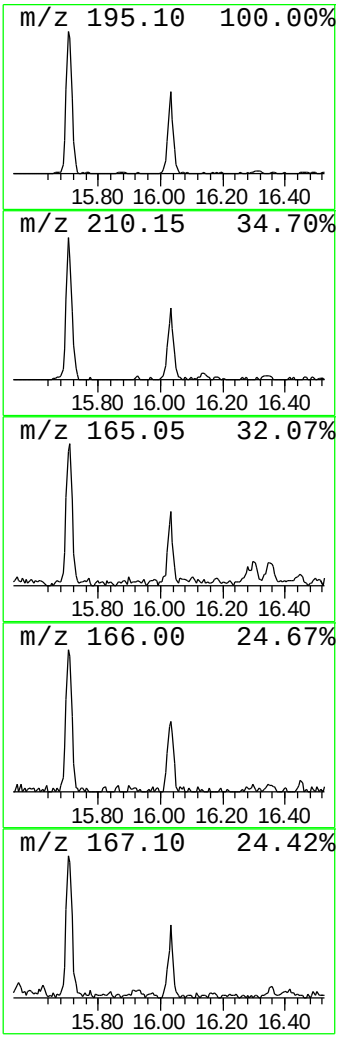
**********

Peak Number 10 9,9-Dimethyl-9-silafluorene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.03 | 2.65 ng/ul | 224796 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,9-Dimethyl-9-silafluorene | 210 | C14H14Si | 013688-68-1 | 53 |
| 2 | 9-Anthracenamine, 9,10-dihydro- | 195 | C14H13N | 097825-91-7 | 50 |
| 3 | Carbazole, 4,5-dimethyl- | 195 | C14H13N | 018992-66-0 | 49 |
| 4 | 6(5H)-Phenanthridinone | 195 | C13H9NO | 001015-89-0 | 49 |
| 5 | 4-Amino-9-fluorenone | 195 | C13H9NO | 004269-15-2 | 49 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A80DL2

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

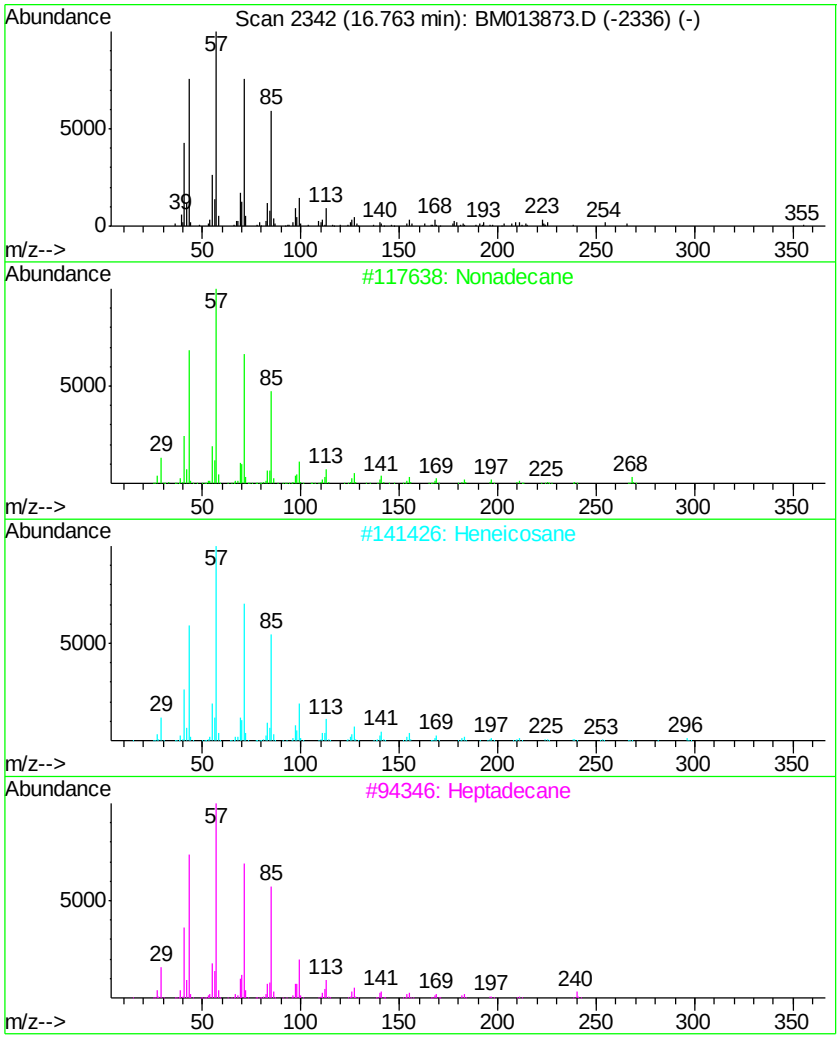
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

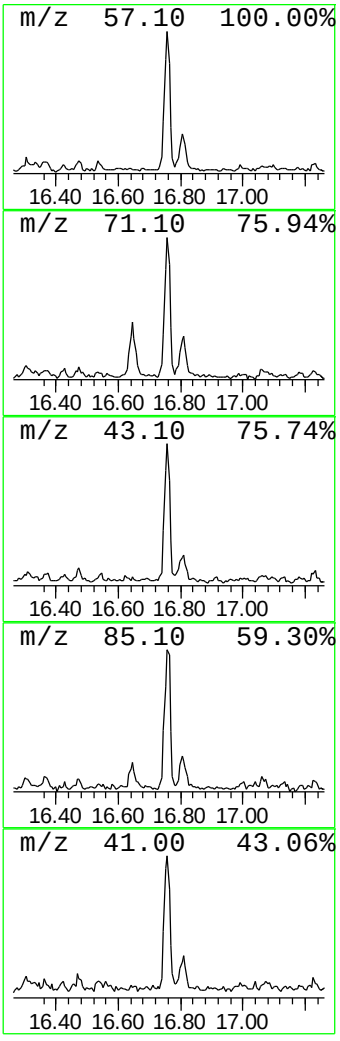
**********

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.76 | 5.88 ng/ul | 498244 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 94 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Heptadecane | 240 | C17H36 | 000629-78-7 | 90 |
| 4 | Heptadecane | 240 | C17H36 | 000629-78-7 | 90 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A80DL2

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

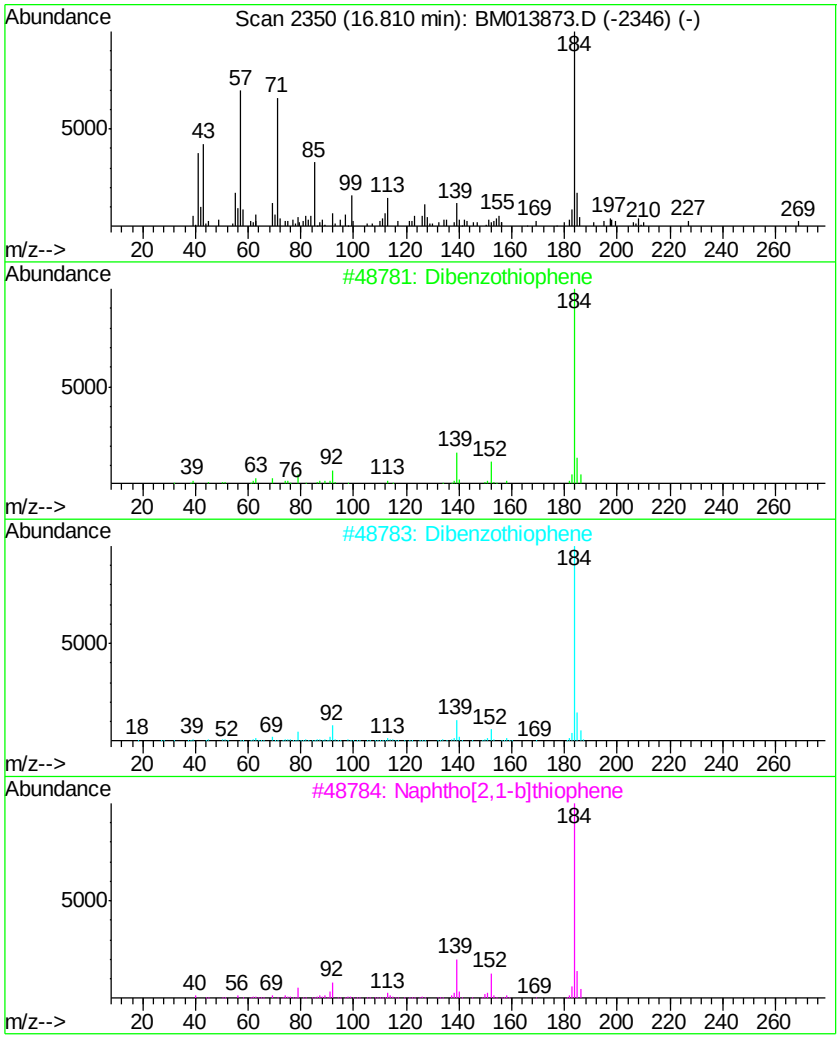
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

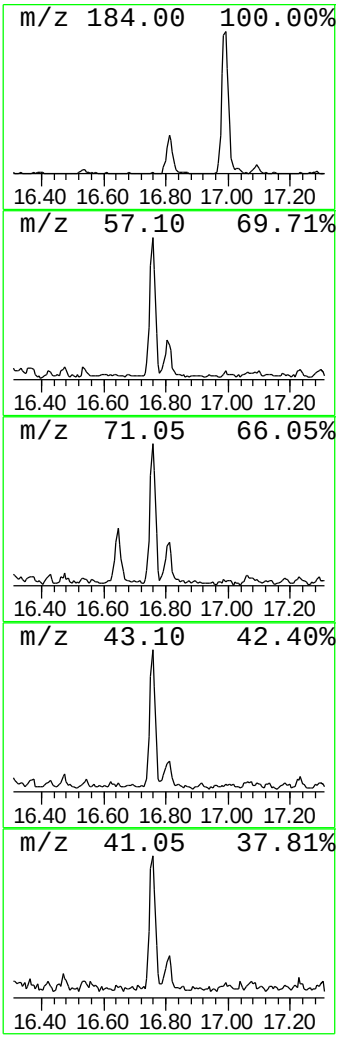
**********

Peak Number 12 Dibenzothiophene Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.81 | 2.54 ng/ul | 214947 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 50 |
| 2 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 46 |
| 3 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 43 |
| 4 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 43 |
| 5 | 6-Methoxy-5-quinolinecarbonitrile | 184 | C11H8N2O | 087299-97-6 | 38 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A80DL2

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

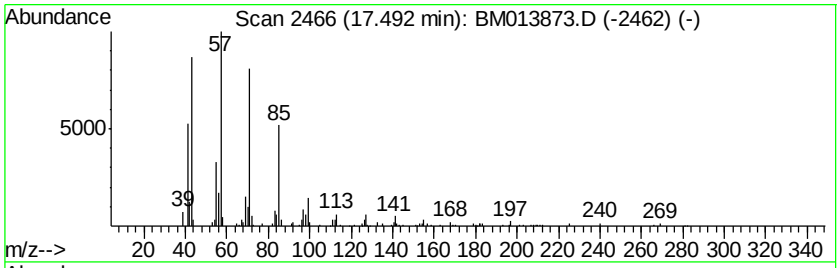
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

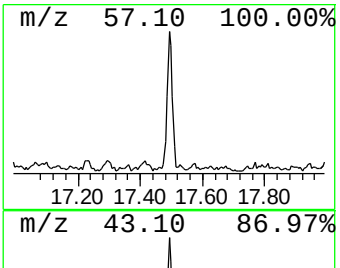
**********

Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.49 | 3.82 ng/ul | 323679 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane, 5-butyl- | 282 | C20H42 | 006912-07-8 | 91 |
| 2 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 91 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 5 | Tetradecane, 2,6,10-trimethyl- | 240 | C17H36 | 014905-56-7 | 90 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A80DL2

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

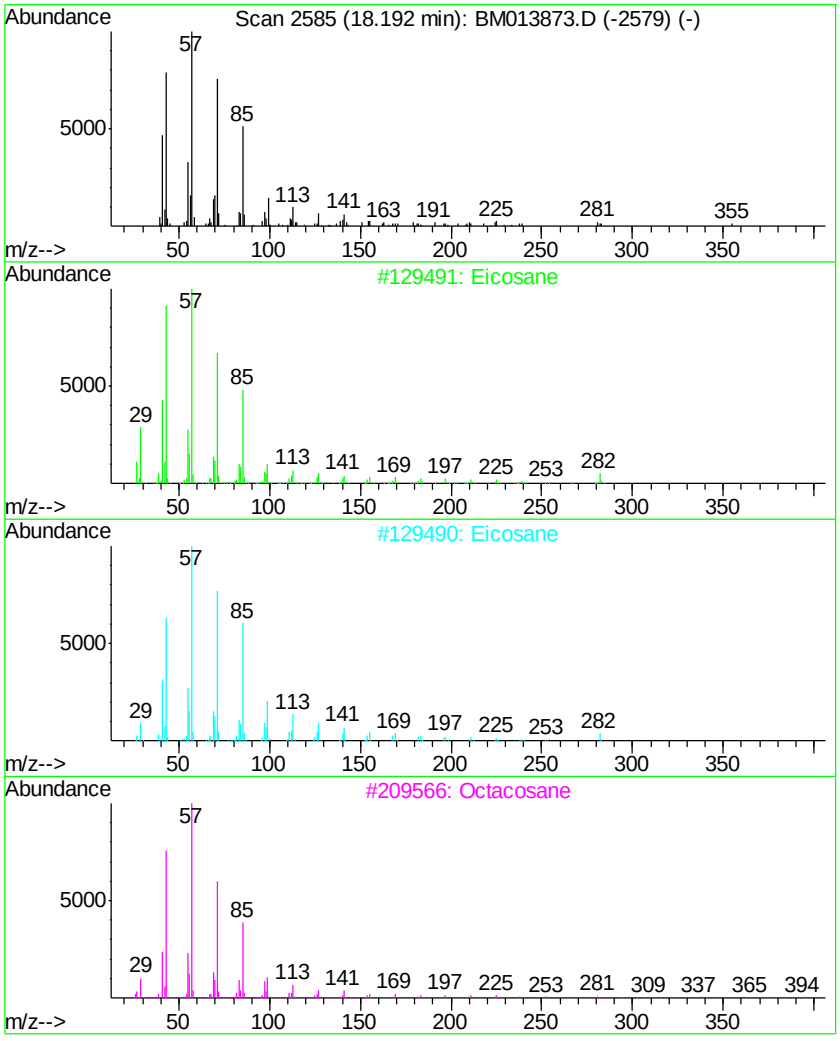
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

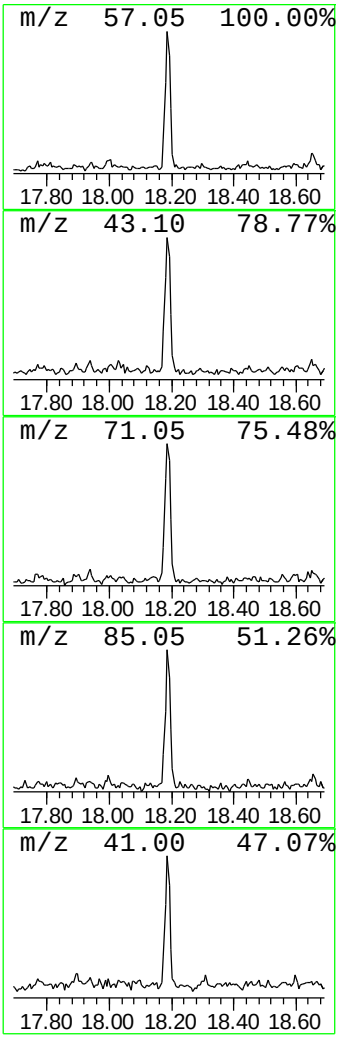
**********

Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.19 | 3.44 ng/ul | 291672 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 98 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 97 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 90 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 5 | Heptadecane | 240 | C17H36 | 000629-78-7 | 87 |



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A80DL2

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

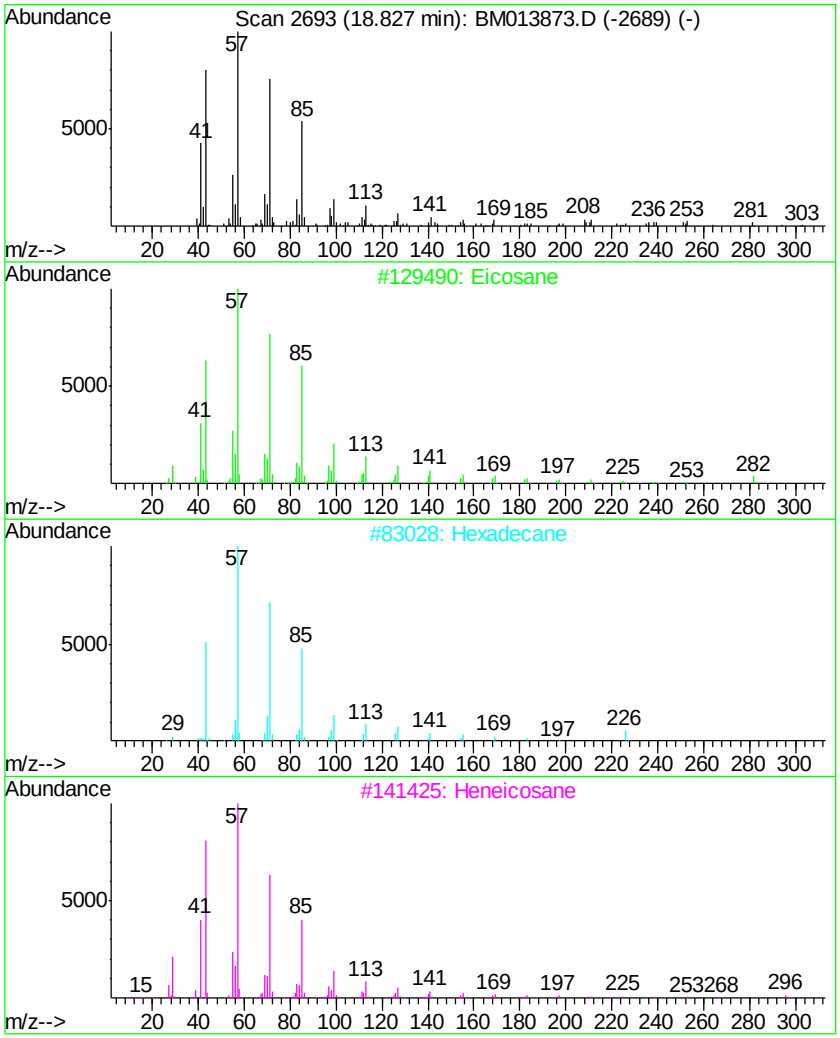
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

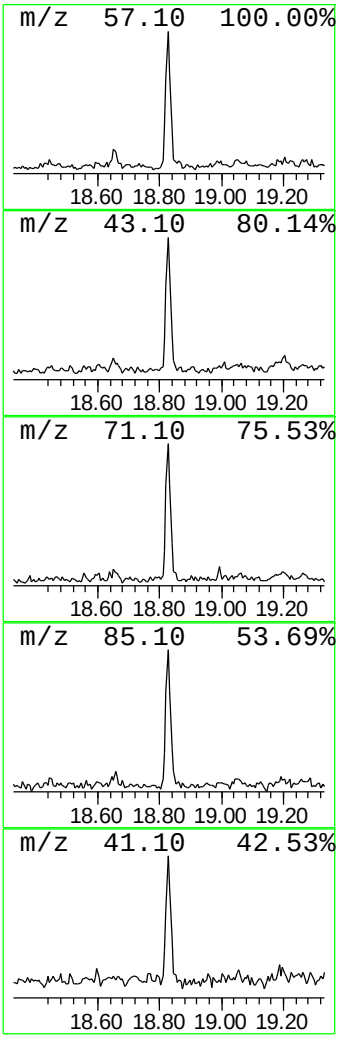
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.83 | 2.41 ng/ul | 204151 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 97 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 93 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 4 | Hexacosane | 366 | C26H54 | 000630-01-3 | 90 |
| 5 | Docosane | 310 | C22H46 | 000629-97-0 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM012618\
Data File : BM013873.D
Acq On : 27 Jan 2018 08:32
Operator : SJ/JU
Sample : J1222-07DL2 30X
Misc :
ALS Vial : 37 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F6A80DL2

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

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Methoxyacetic aci... | 8.79 | 3.1 | ng/ul | 143116 | 1 | 7.58 | 913790 | 20.0 |
| (DEL) Alkane: Str... | 11.79 | 5.4 | ng/ul | 392421 | 2 | 10.36 | 1445550 | 20.0 |
| Naphthalene, 1-me... | 12.26 | 2.7 | ng/ul | 192567 | 2 | 10.36 | 1445550 | 20.0 |
| (DEL) Alkane: Str... | 13.05 | 5.7 | ng/ul | 551904 | 3 | 14.23 | 1953010 | 20.0 |
| (DEL) Alkane: Str... | 13.72 | 2.1 | ng/ul | 206329 | 3 | 14.23 | 1953010 | 20.0 |
| (DEL) Alkane: Str... | 14.14 | 6.0 | ng/ul | 585286 | 3 | 14.23 | 1953010 | 20.0 |
| (DEL) Alkane: Str... | 15.10 | 5.7 | ng/ul | 554131 | 3 | 14.23 | 1953010 | 20.0 |
| (4-Acetylphenyl)p... | 15.70 | 5.6 | ng/ul | 470926 | 4 | 16.99 | 1694450 | 20.0 |
| (DEL) Alkane: Str... | 15.96 | 9.9 | ng/ul | 835814 | 4 | 16.99 | 1694450 | 20.0 |
| 9,9-Dimethyl-9-si... | 16.03 | 2.6 | ng/ul | 224796 | 4 | 16.99 | 1694450 | 20.0 |
| (DEL) Alkane: Str... | 16.76 | 5.9 | ng/ul | 498244 | 4 | 16.99 | 1694450 | 20.0 |
| Dibenzothiophene | 16.81 | 2.5 | ng/ul | 214947 | 4 | 16.99 | 1694450 | 20.0 |
| (DEL) Alkane: Str... | 17.49 | 3.8 | ng/ul | 323679 | 4 | 16.99 | 1694450 | 20.0 |
| (DEL) Alkane: Str... | 18.19 | 3.4 | ng/ul | 291672 | 4 | 16.99 | 1694450 | 20.0 |
| (DEL) Alkane: Str... | 18.83 | 2.4 | ng/ul | 204151 | 4 | 16.99 | 1694450 | 20.0 |