LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.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 | 3.675 | 113 | 117 | 123 | rBV2 | 82320 | 106666 | 1.52% | 0.095% |
| 2 | 3.875 | 144 | 151 | 160 | rVB3 | 44329 | 82937 | 1.18% | 0.074% |
| 3 | 4.199 | 202 | 206 | 213 | rVB | 80586 | 114473 | 1.64% | 0.102% |
| 4 | 5.075 | 349 | 355 | 358 | rVV3 | 41512 | 80631 | 1.15% | 0.072% |
| 5 | 5.146 | 362 | 367 | 373 | rVV | 242265 | 353907 | 5.06% | 0.316% |
| 6 | 5.269 | 382 | 388 | 405 | rVB | 896739 | 1575415 | 22.51% | 1.406% |
| 7 | 5.628 | 443 | 449 | 457 | rVB | 432019 | 646392 | 9.23% | 0.577% |
| 8 | 5.881 | 482 | 492 | 499 | rBV7 | 33257 | 82753 | 1.18% | 0.074% |
| 9 | 6.087 | 521 | 527 | 535 | rBV4 | 48284 | 110481 | 1.58% | 0.099% |
| 10 | 6.581 | 608 | 611 | 616 | rVV2 | 64428 | 91897 | 1.31% | 0.082% |
| 11 | 6.775 | 632 | 644 | 656 | rVB | 582876 | 1257271 | 17.96% | 1.122% |
| 12 | 6.940 | 662 | 672 | 685 | rBV | 508196 | 902780 | 12.90% | 0.805% |
| 13 | 7.122 | 697 | 703 | 712 | rBV | 638834 | 1058555 | 15.12% | 0.944% |
| 14 | 7.205 | 712 | 717 | 721 | rBV | 258887 | 423497 | 6.05% | 0.378% |
| 15 | 7.493 | 755 | 766 | 771 | rBV7 | 30670 | 89437 | 1.28% | 0.080% |
| 16 | 7.587 | 771 | 782 | 796 | rVB | 785406 | 1383656 | 19.77% | 1.234% |
| 17 | 7.799 | 814 | 818 | 822 | rVV | 71097 | 95197 | 1.36% | 0.085% |
| 18 | 8.122 | 866 | 873 | 877 | rVB2 | 47129 | 94919 | 1.36% | 0.085% |
| 19 | 8.216 | 884 | 889 | 895 | rBV3 | 124175 | 249371 | 3.56% | 0.222% |
| 20 | 8.299 | 896 | 903 | 913 | rBV | 734304 | 1316093 | 18.80% | 1.174% |
| 21 | 8.675 | 957 | 967 | 972 | rVV | 107417 | 189384 | 2.71% | 0.169% |
| 22 | 8.740 | 972 | 978 | 984 | rVV | 686395 | 1189178 | 16.99% | 1.061% |
| 23 | 8.793 | 984 | 987 | 996 | rVV | 228387 | 345114 | 4.93% | 0.308% |
| 24 | 8.916 | 1003 | 1008 | 1014 | rVB4 | 60929 | 123884 | 1.77% | 0.111% |
| 25 | 9.193 | 1051 | 1055 | 1060 | rVV | 82670 | 143056 | 2.04% | 0.128% |
| 26 | 9.252 | 1060 | 1065 | 1073 | rVV | 123879 | 226614 | 3.24% | 0.202% |
| 27 | 9.452 | 1089 | 1099 | 1110 | rBV | 600607 | 1141582 | 16.31% | 1.018% |
| 28 | 9.763 | 1147 | 1152 | 1159 | rVB3 | 54452 | 126812 | 1.81% | 0.113% |
| 29 | 9.987 | 1184 | 1190 | 1199 | rBV | 774630 | 1376964 | 19.67% | 1.228% |
| 30 | 10.357 | 1243 | 1253 | 1258 | rBV | 1098815 | 2159849 | 30.86% | 1.927% |
| 31 | 10.404 | 1258 | 1261 | 1268 | rVB2 | 134885 | 227334 | 3.25% | 0.203% |
| 32 | 10.510 | 1268 | 1279 | 1288 | rBV | 477196 | 1007867 | 14.40% | 0.899% |
| 33 | 11.787 | 1489 | 1496 | 1502 | rVV | 168301 | 272598 | 3.89% | 0.243% |
| 34 | 12.034 | 1531 | 1538 | 1544 | rVB | 82043 | 144324 | 2.06% | 0.129% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 12.251 | 1568 | 1575 | 1584 | rBV | 65096 | 127461 | 1.82% | 0.114% |
| 36 | 13.051 | 1703 | 1711 | 1719 | rBV3 | 213231 | 351097 | 5.02% | 0.313% |
| 37 | 13.551 | 1791 | 1796 | 1801 | rBV2 | 56177 | 111559 | 1.59% | 0.100% |
| 38 | 13.651 | 1808 | 1813 | 1818 | rVV | 1598916 | 2219913 | 31.72% | 1.980% |
| 39 | 13.704 | 1818 | 1822 | 1828 | rVB | 272952 | 444694 | 6.35% | 0.397% |
| 40 | 13.922 | 1852 | 1859 | 1871 | rBV | 1888776 | 2783934 | 39.77% | 2.484% |
| 41 | 14.139 | 1890 | 1896 | 1901 | rBV | 228965 | 305811 | 4.37% | 0.273% |
| 42 | 14.234 | 1905 | 1912 | 1919 | rBV2 | 1687816 | 2592207 | 37.03% | 2.313% |
| 43 | 14.298 | 1919 | 1923 | 1933 | rVB | 224620 | 358789 | 5.13% | 0.320% |
| 44 | 14.463 | 1945 | 1951 | 1959 | rBV | 366103 | 786598 | 11.24% | 0.702% |
| 45 | 14.639 | 1976 | 1981 | 1985 | rBV | 219598 | 344818 | 4.93% | 0.308% |
| 46 | 14.675 | 1985 | 1987 | 1992 | rVB3 | 72852 | 90444 | 1.29% | 0.081% |
| 47 | 15.098 | 2055 | 2059 | 2064 | rVB | 214557 | 280341 | 4.01% | 0.250% |
| 48 | 15.234 | 2076 | 2082 | 2087 | rVV | 2540459 | 3540227 | 50.58% | 3.158% |
| 49 | 15.286 | 2087 | 2091 | 2100 | rVB | 391710 | 610588 | 8.72% | 0.545% |
| 50 | 15.369 | 2100 | 2105 | 2111 | rBV | 531506 | 770409 | 11.01% | 0.687% |
| 51 | 15.504 | 2125 | 2128 | 2132 | rVB | 61744 | 88044 | 1.26% | 0.079% |
| 52 | 15.586 | 2138 | 2142 | 2149 | rVB | 91217 | 156512 | 2.24% | 0.140% |
| 53 | 15.733 | 2159 | 2167 | 2174 | rBV4 | 98138 | 242158 | 3.46% | 0.216% |
| 54 | 15.798 | 2174 | 2178 | 2185 | rVB3 | 63177 | 118323 | 1.69% | 0.106% |
| 55 | 15.963 | 2202 | 2206 | 2214 | rBV | 296848 | 584161 | 8.35% | 0.521% |
| 56 | 16.086 | 2222 | 2227 | 2234 | rBV6 | 47070 | 93465 | 1.34% | 0.083% |
| 57 | 16.298 | 2256 | 2263 | 2267 | rBV5 | 76333 | 163060 | 2.33% | 0.145% |
| 58 | 16.404 | 2278 | 2281 | 2286 | rBV5 | 52677 | 87068 | 1.24% | 0.078% |
| 59 | 16.757 | 2337 | 2341 | 2345 | rVV | 233893 | 312303 | 4.46% | 0.279% |
| 60 | 16.810 | 2345 | 2350 | 2359 | rVB | 250561 | 393474 | 5.62% | 0.351% |
| 61 | 16.992 | 2374 | 2381 | 2384 | rBV2 | 2135617 | 3217384 | 45.97% | 2.870% |
| 62 | 17.033 | 2384 | 2388 | 2392 | rVV | 3192935 | 4406607 | 62.96% | 3.931% |
| 63 | 17.086 | 2392 | 2397 | 2401 | rVV2 | 2816291 | 4195304 | 59.94% | 3.743% |
| 64 | 17.122 | 2401 | 2403 | 2409 | rVV | 937697 | 1088652 | 15.55% | 0.971% |
| 65 | 17.186 | 2410 | 2414 | 2420 | rVB | 103380 | 172242 | 2.46% | 0.154% |
| 66 | 17.404 | 2446 | 2451 | 2457 | rVB | 361168 | 581462 | 8.31% | 0.519% |
| 67 | 17.498 | 2463 | 2467 | 2473 | rBV2 | 235276 | 390325 | 5.58% | 0.348% |
| 68 | 17.780 | 2511 | 2515 | 2521 | rBV6 | 75439 | 136755 | 1.95% | 0.122% |
| 69 | 17.863 | 2522 | 2529 | 2532 | rBV | 254274 | 445840 | 6.37% | 0.398% |
| 70 | 17.904 | 2532 | 2536 | 2545 | rVB2 | 1486654 | 2144955 | 30.64% | 1.914% |
| 71 | 17.998 | 2548 | 2552 | 2556 | rVB | 150137 | 218014 | 3.11% | 0.195% |

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Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 18.057 | 2557 | 2562 | 2567 | rBV2 | 520271 | 887888 | 12.69% | 0.792% |
| 73 | 18.192 | 2580 | 2585 | 2588 | rBV | 309525 | 398863 | 5.70% | 0.356% |
| 74 | 18.375 | 2612 | 2616 | 2621 | rVB | 258671 | 337175 | 4.82% | 0.301% |
| 75 | 18.833 | 2690 | 2694 | 2701 | rVB | 454847 | 582042 | 8.32% | 0.519% |
| 76 | 19.057 | 2727 | 2732 | 2737 | rBV | 4362274 | 5789590 | 82.72% | 5.165% |
| 77 | 19.116 | 2739 | 2742 | 2747 | rVB2 | 307050 | 429244 | 6.13% | 0.383% |
| 78 | 19.192 | 2751 | 2755 | 2762 | rVB | 685785 | 956279 | 13.66% | 0.853% |
| 79 | 19.392 | 2784 | 2789 | 2792 | rBV2 | 4509719 | 6999397 | 100.00% | 6.245% |
| 80 | 19.421 | 2792 | 2794 | 2798 | rVB | 3606490 | 3816513 | 54.53% | 3.405% |
| 81 | 19.498 | 2804 | 2807 | 2812 | rVB3 | 185085 | 253999 | 3.63% | 0.227% |
| 82 | 19.921 | 2876 | 2879 | 2882 | rBV2 | 495897 | 598498 | 8.55% | 0.534% |
| 83 | 19.951 | 2882 | 2884 | 2889 | rVB | 1105205 | 1193783 | 17.06% | 1.065% |
| 84 | 20.021 | 2892 | 2896 | 2900 | rBV | 701575 | 878643 | 12.55% | 0.784% |
| 85 | 20.451 | 2965 | 2969 | 2975 | rBV | 1601701 | 1890054 | 27.00% | 1.686% |
| 86 | 20.892 | 3039 | 3044 | 3045 | rBV2 | 358774 | 626829 | 8.96% | 0.559% |
| 87 | 20.921 | 3045 | 3049 | 3063 | rVB3 | 2193965 | 3164340 | 45.21% | 2.823% |
| 88 | 21.121 | 3080 | 3083 | 3086 | rVB | 251667 | 249488 | 3.56% | 0.223% |
| 89 | 21.192 | 3089 | 3095 | 3099 | rVV2 | 3622539 | 6490399 | 92.73% | 5.790% |
| 90 | 21.227 | 3099 | 3101 | 3111 | rVB | 1457823 | 1974795 | 28.21% | 1.762% |
| 91 | 21.357 | 3118 | 3123 | 3130 | rVB2 | 1790341 | 2332703 | 33.33% | 2.081% |
| 92 | 21.780 | 3191 | 3195 | 3203 | rVB | 1552188 | 2014175 | 28.78% | 1.797% |
| 93 | 22.233 | 3268 | 3272 | 3283 | rVB | 1267923 | 1735876 | 24.80% | 1.549% |
| 94 | 22.727 | 3351 | 3356 | 3361 | rBV2 | 1957631 | 3621336 | 51.74% | 3.231% |
| 95 | 23.192 | 3431 | 3435 | 3437 | rBV | 356599 | 528176 | 7.55% | 0.471% |
| 96 | 23.239 | 3438 | 3443 | 3447 | rBV | 2193336 | 3985466 | 56.94% | 3.556% |
| 97 | 23.380 | 3462 | 3467 | 3472 | rVB | 1349759 | 2331419 | 33.31% | 2.080% |
| 98 | 23.886 | 3549 | 3553 | 3560 | rVB | 1160702 | 2040506 | 29.15% | 1.820% |
| 99 | 24.604 | 3671 | 3675 | 3688 | rVB2 | 528701 | 1214357 | 17.35% | 1.083% |
| 100 | 25.433 | 3812 | 3816 | 3826 | rVB2 | 412726 | 1021183 | 14.59% | 0.911% |

Sum of corrected areas: 112088902

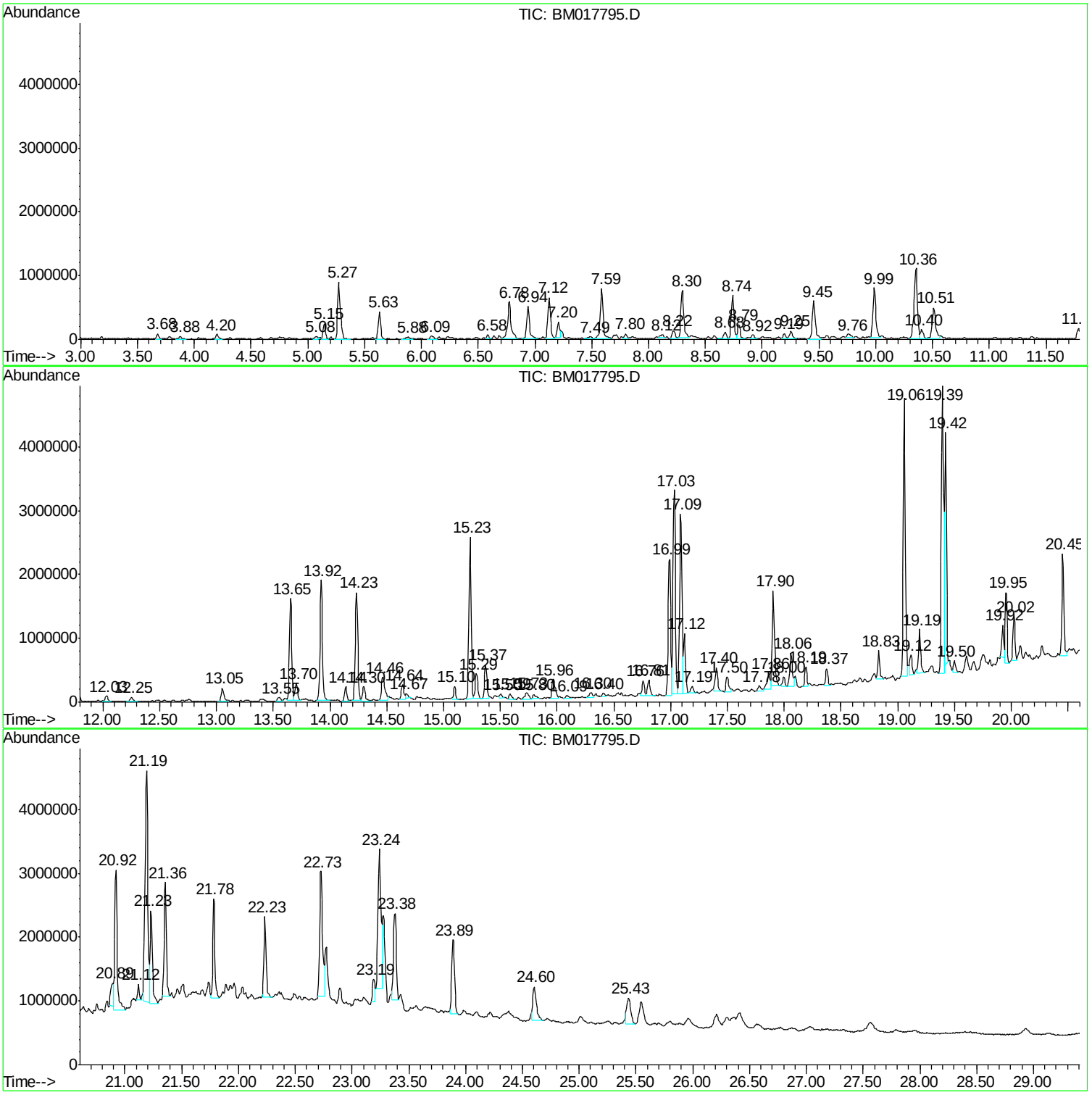
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

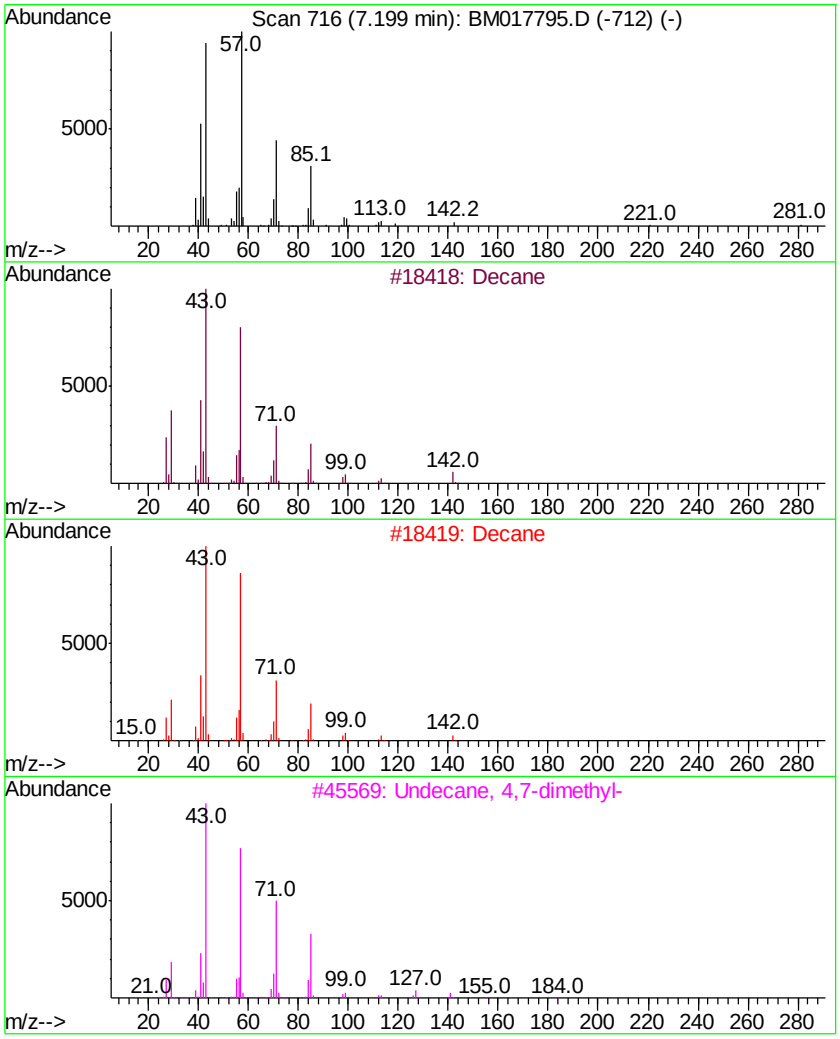
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

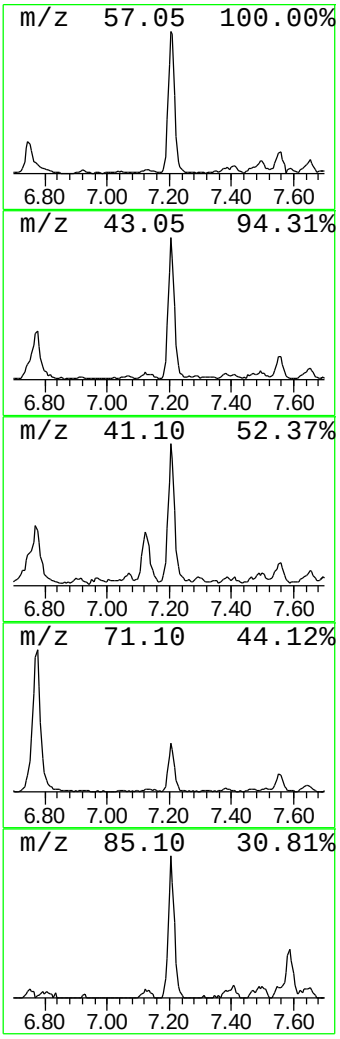
**********

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.20 | 6.12 ng/ul | 423497 | 1,4-Dichlorobenzene-d4 | 7.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decane | 142 | C10H22 | 000124-18-5 | 90 |
| 2 | Decane | 142 | C10H22 | 000124-18-5 | 87 |
| 3 | Undecane, 4,7-dimethyl- | 184 | C13H28 | 017301-32-5 | 72 |
| 4 | Decane, 6-ethyl-2-methyl- | 184 | C13H28 | 062108-21-8 | 72 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 72 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

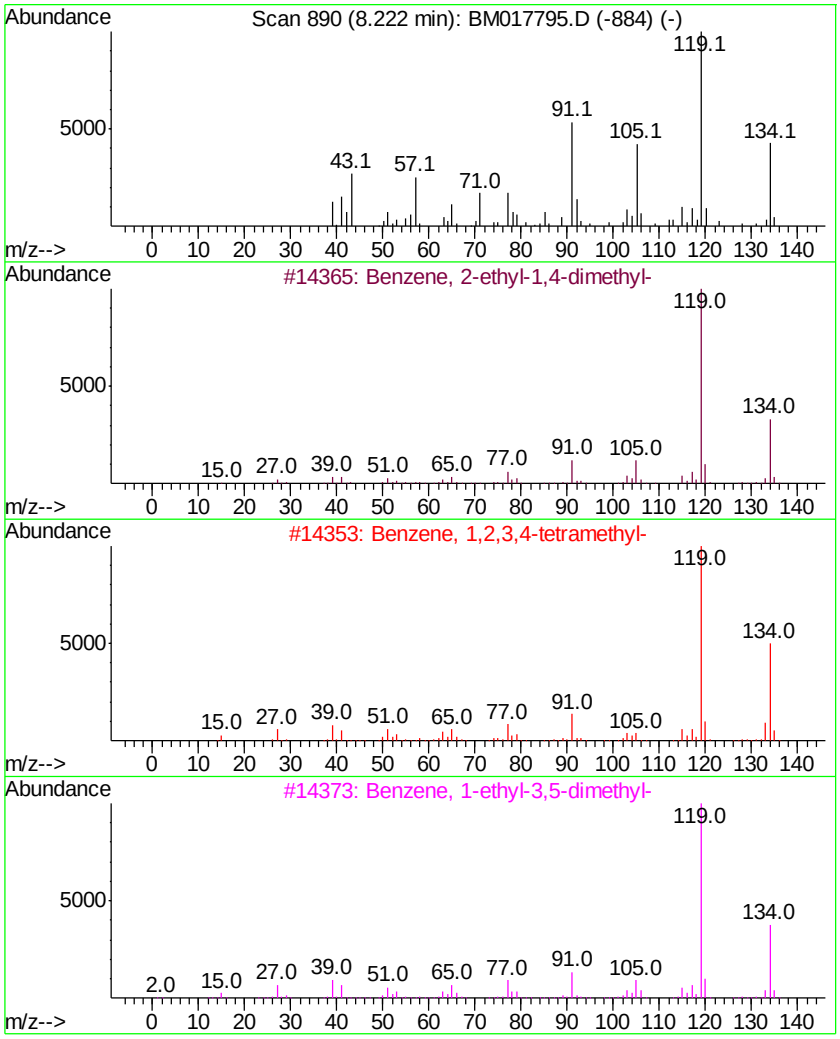
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

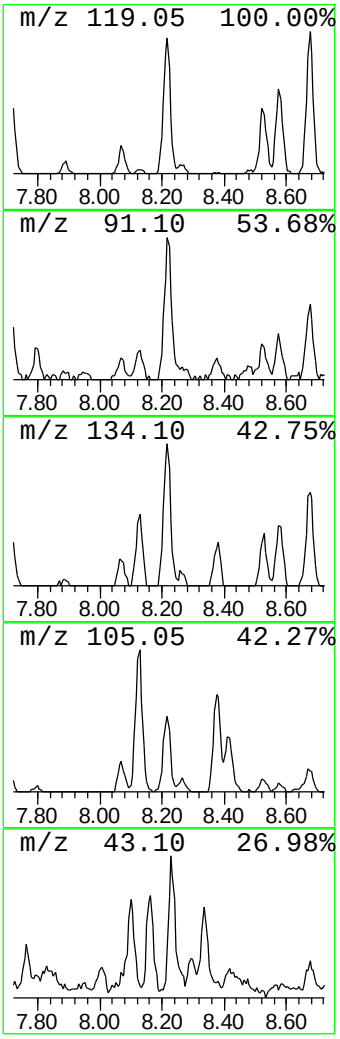
**********

Peak Number 5 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.22 | 3.60 ng/ul | 249371 | 1,4-Dichlorobenzene-d4 | 7.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2-ethyl-1,4-dimethyl- | 134 | C10H14 | 001758-88-9 | 95 |
| 2 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 91 |
| 3 | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14 | 000934-74-7 | 91 |
| 4 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 91 |
| 5 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

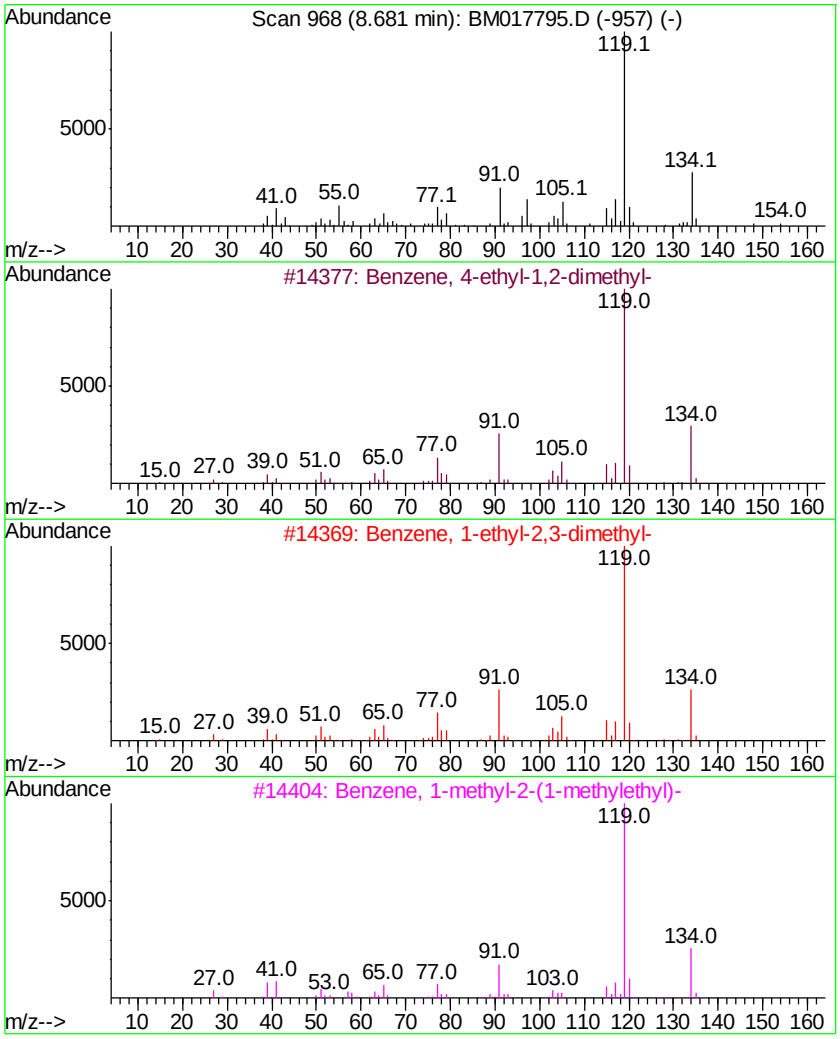
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

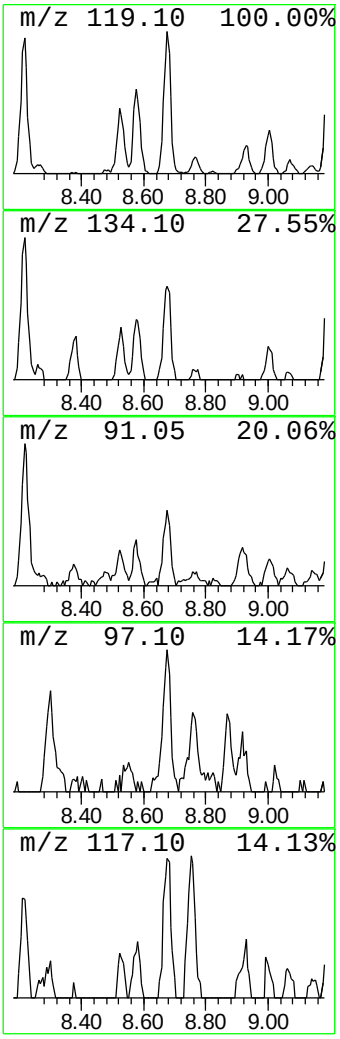
**********

Peak Number 6 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.68 | 2.74 ng/ul | 189384 | 1,4-Dichlorobenzene-d4 | 7.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 4-ethyl-1,2-dimethyl- | 134 | C10H14 | 000934-80-5 | 96 |
| 2 | Benzene, 1-ethyl-2,3-dimethyl- | 134 | C10H14 | 000933-98-2 | 96 |
| 3 | Benzene, 1-methyl-2-(1-methyleth... | 134 | C10H14 | 000527-84-4 | 95 |
| 4 | Benzene, 1-methyl-4-(1-methyleth... | 134 | C10H14 | 000099-87-6 | 95 |
| 5 | Benzene, 1-methyl-2-(1-methyleth... | 134 | C10H14 | 000527-84-4 | 95 |



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Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

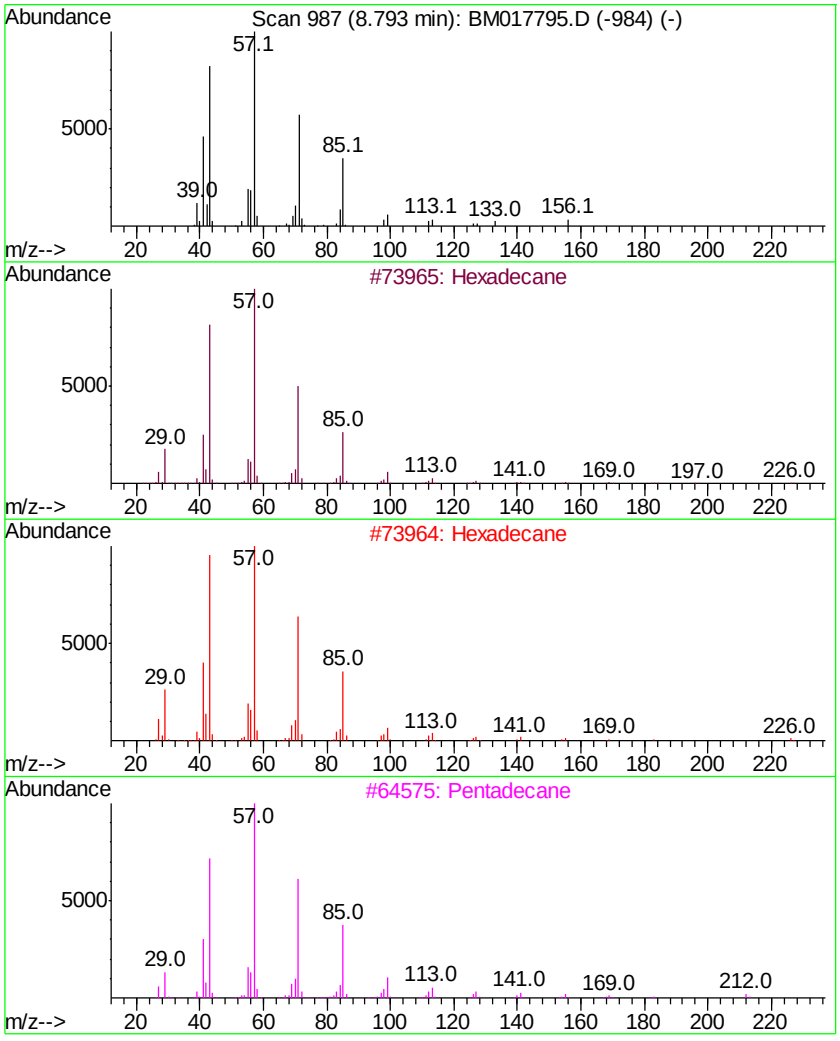
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

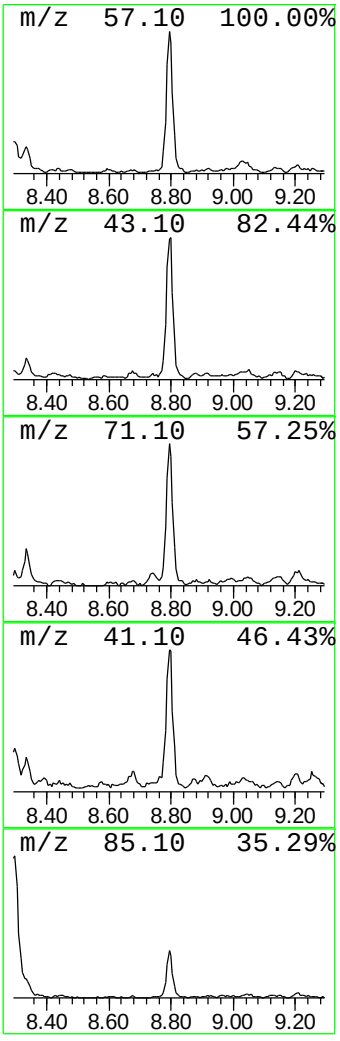
**********

Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.79 | 4.99 ng/ul | 345114 | 1,4-Dichlorobenzene-d4 | 7.59 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 3 | Pentadecane | 212 | C15H32 | 000629-62-9 | 78 |
| 4 | Tridecane | 184 | C13H28 | 000629-50-5 | 78 |
| 5 | Tetradecane | 198 | C14H30 | 000629-59-4 | 78 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

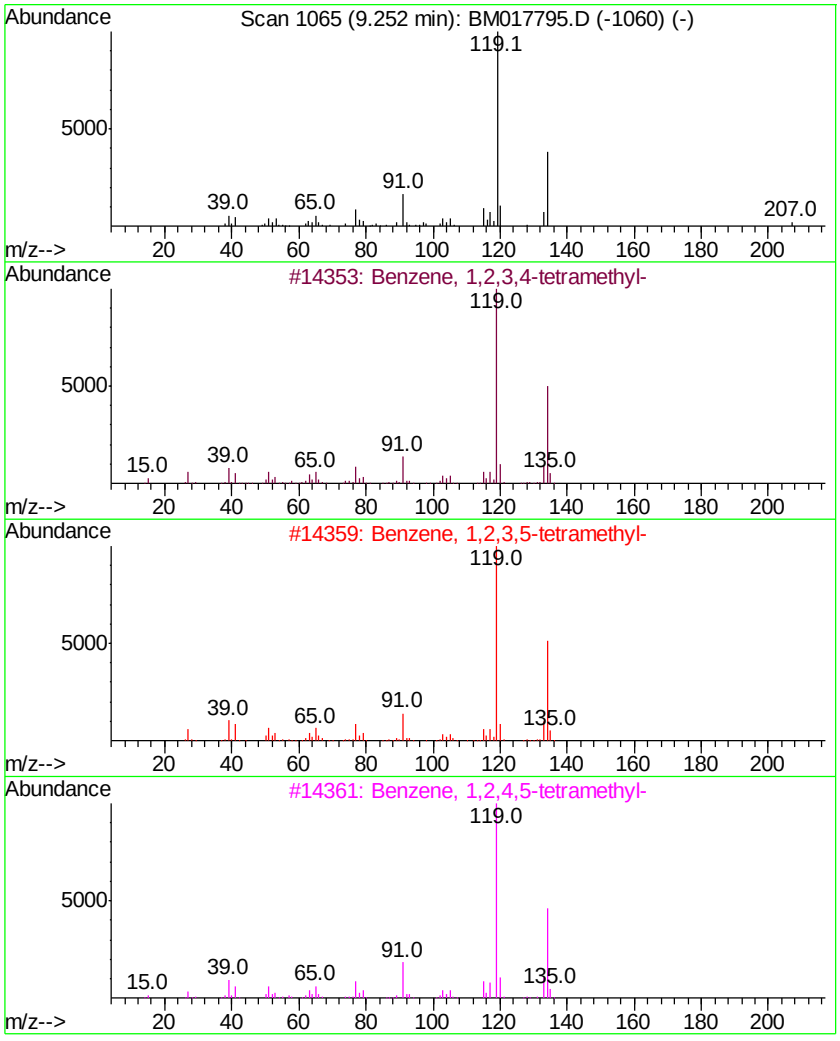
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

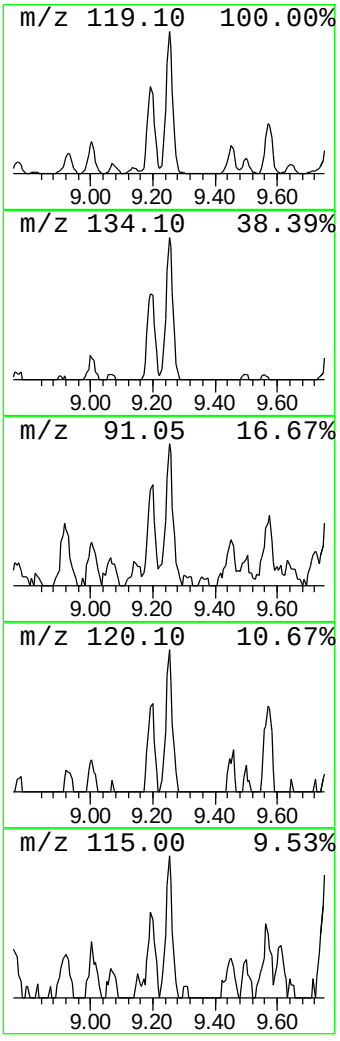
**********

Peak Number 8 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.25 | 2.10 ng/ul | 226614 | Naphthalene-d8 | 10.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3,4-tetramethyl- | 134 | C10H14 | 000488-23-3 | 94 |
| 2 | Benzene, 1,2,3,5-tetramethyl- | 134 | C10H14 | 000527-53-7 | 94 |
| 3 | Benzene, 1,2,4,5-tetramethyl- | 134 | C10H14 | 000095-93-2 | 94 |
| 4 | 1,3-Cyclopentadiene, 1,2,3,4-tet... | 134 | C10H14 | 076089-59-3 | 91 |
| 5 | Benzene, 2-ethyl-1,3-dimethyl- | 134 | C10H14 | 002870-04-4 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

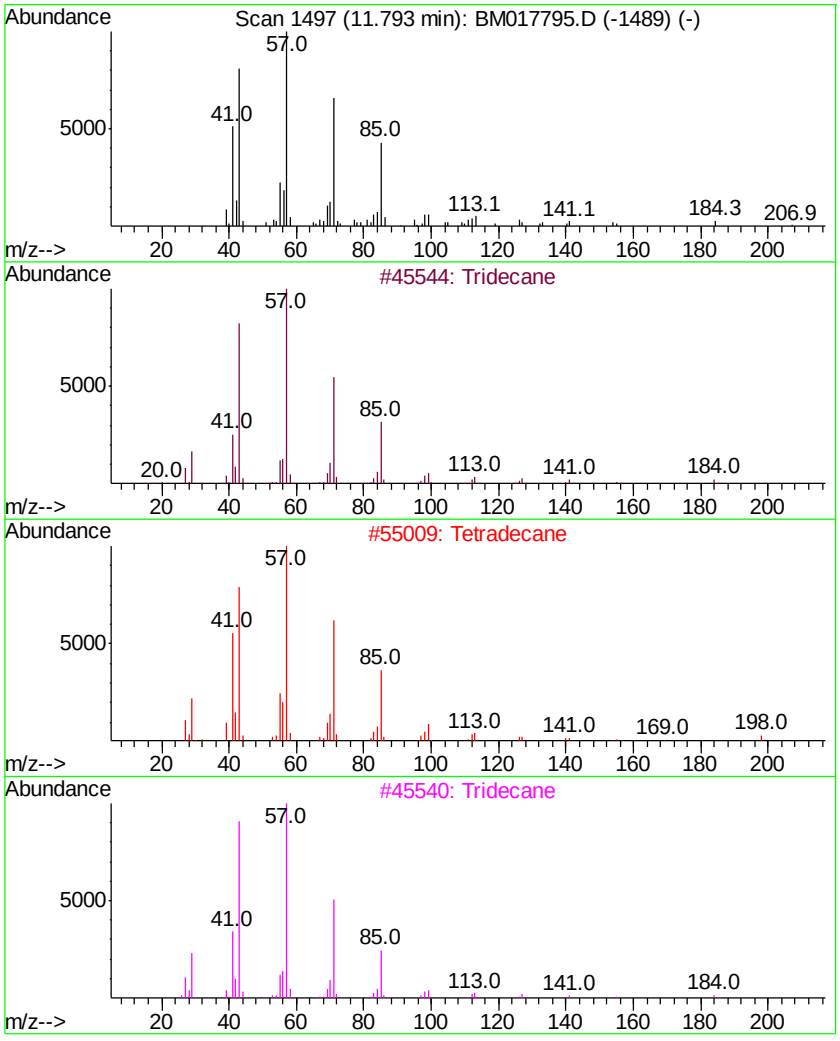
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

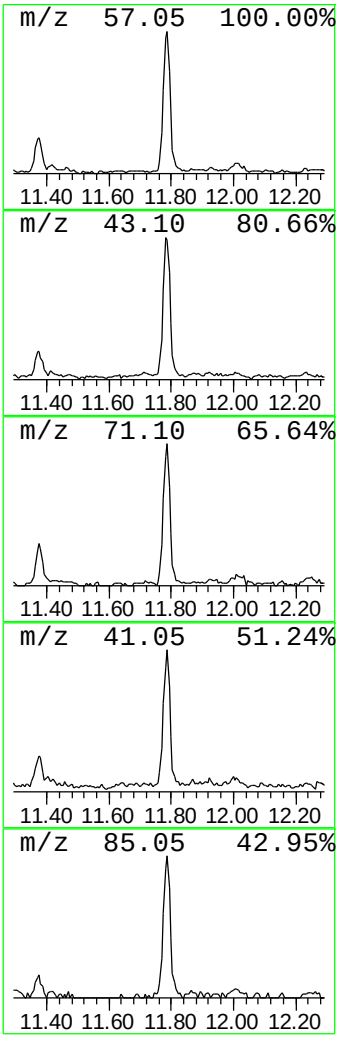
**********

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.79 | 2.52 ng/ul | 272598 | Naphthalene-d8 | 10.36 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane | 184 | C13H28 | 000629-50-5 | 90 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 90 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 81 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 78 |
| 5 | Dodecane, 2-methyl- | 184 | C13H28 | 001560-97-0 | 72 |



# Library Search Compound Report

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Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

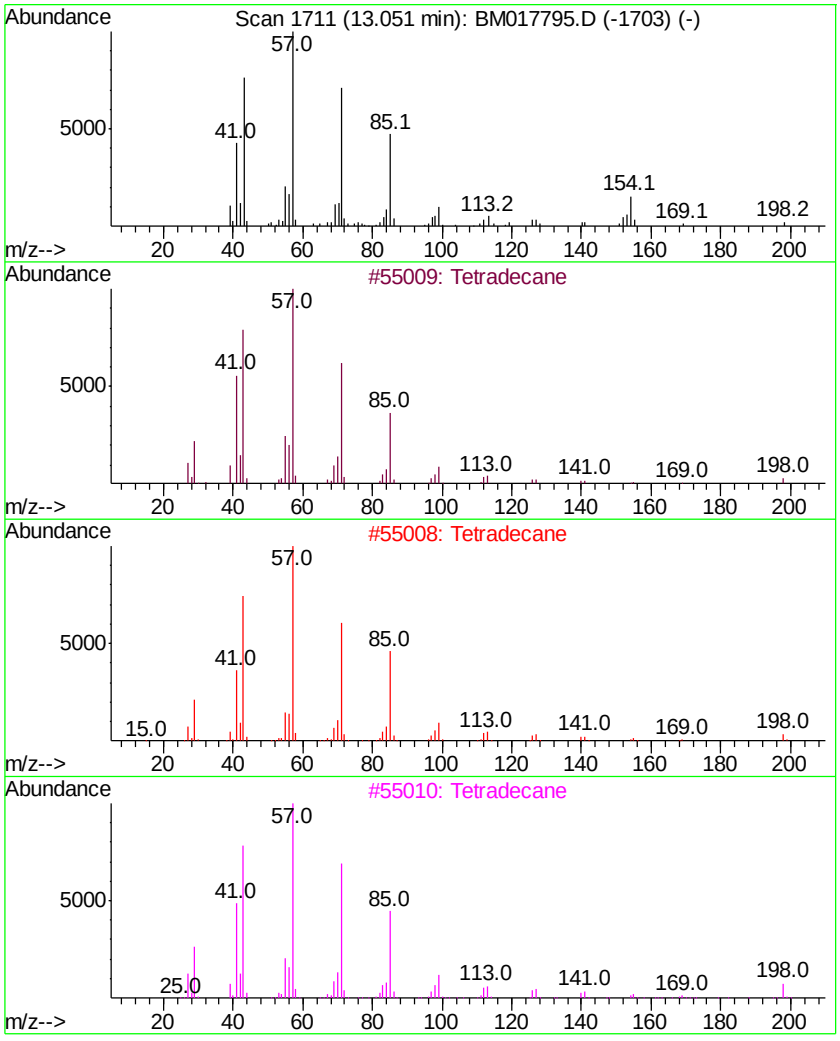
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

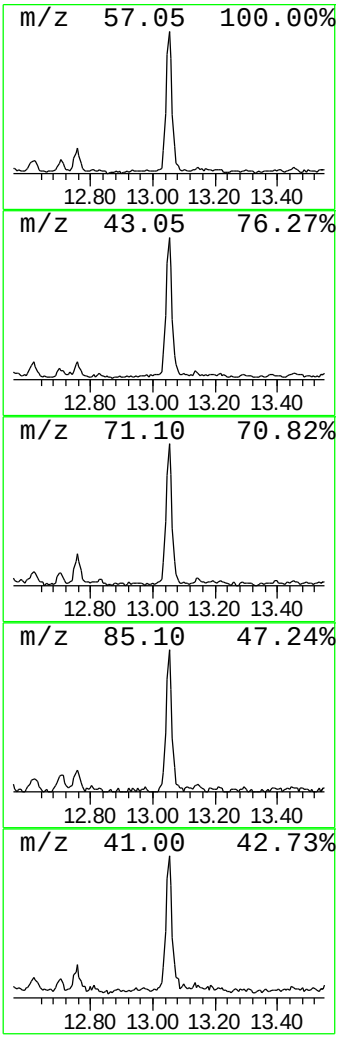
**********

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.05 | 2.71 ng/ul | 351097 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetradecane | 198 | C14H30 | 000629-59-4 | 92 |
| 2 | Tetradecane | 198 | C14H30 | 000629-59-4 | 91 |
| 3 | Tetradecane | 198 | C14H30 | 000629-59-4 | 91 |
| 4 | Heptadecane | 240 | C17H36 | 000629-78-7 | 80 |
| 5 | Decane, 2,3,6-trimethyl- | 184 | C13H28 | 062238-12-4 | 72 |



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Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

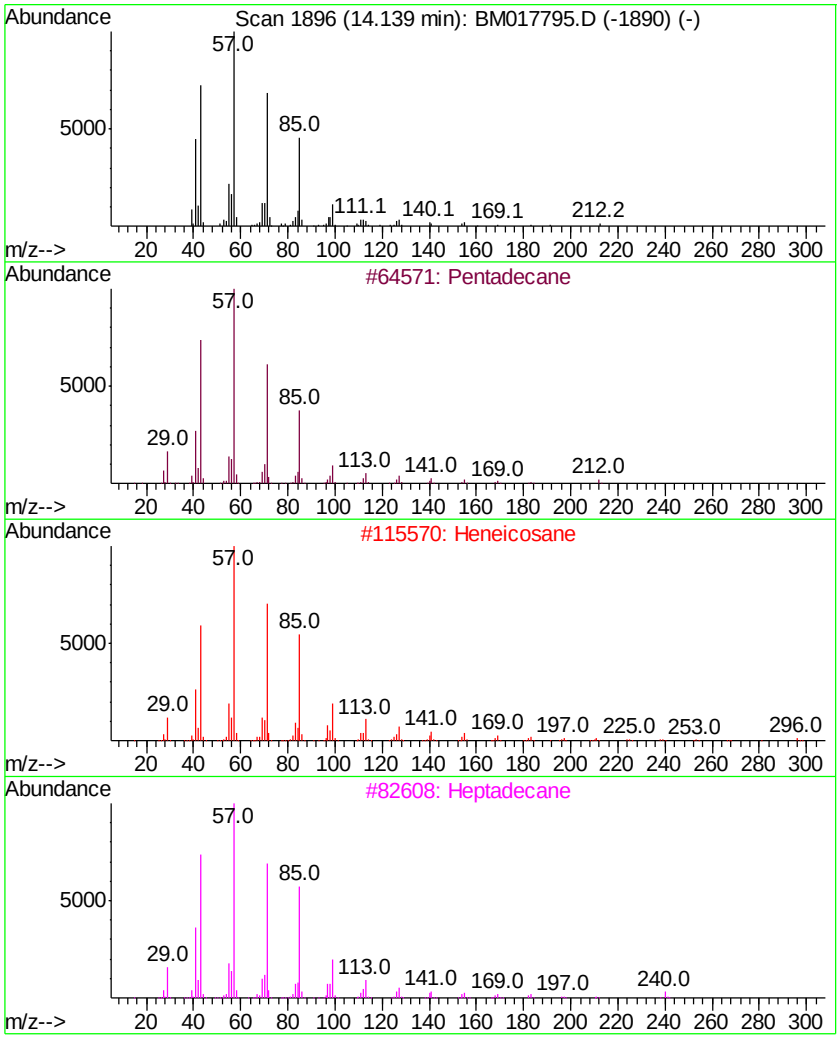
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

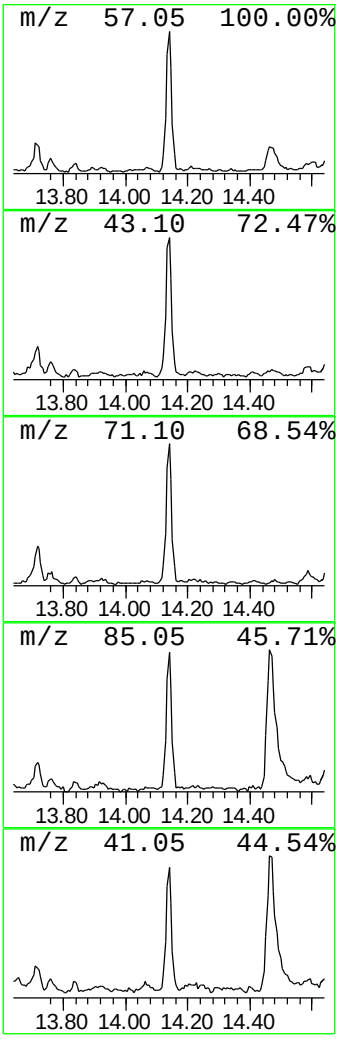
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.14 | 2.36 ng/ul | 305811 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane | 212 | C15H32 | 000629-62-9 | 93 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 3 | Heptadecane | 240 | C17H36 | 000629-78-7 | 90 |
| 4 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 86 |
| 5 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 80 |



# Library Search Compound Report

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Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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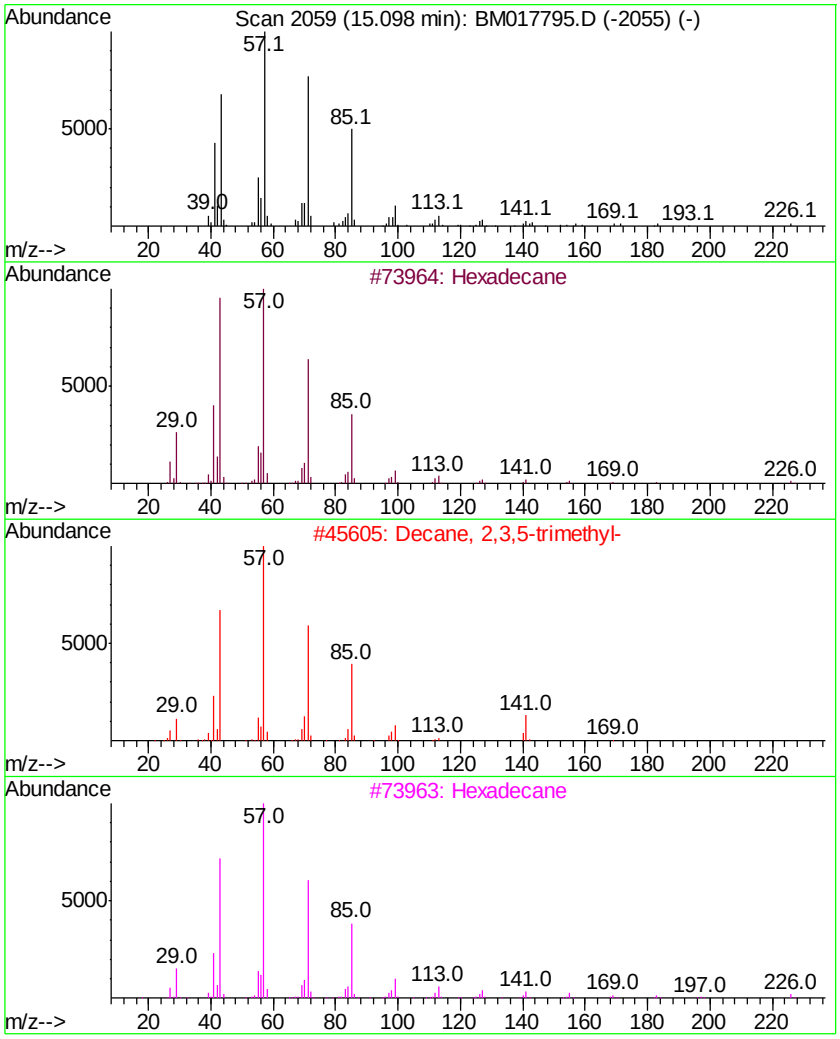
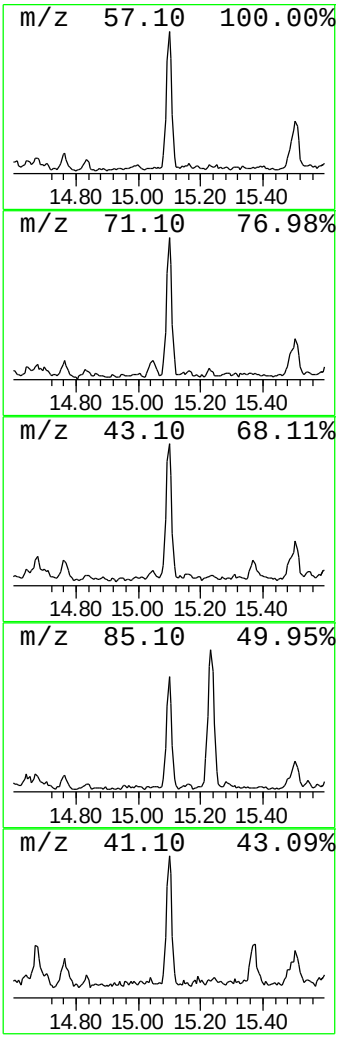
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.10 | 2.16 ng/ul | 280341 | Acenaphthene-d10 | 14.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 2 | Decane, 2,3,5-trimethyl- | 184 | C13H28 | 062238-11-3 | 90 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 87 |
| 4 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 86 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 86 |



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Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

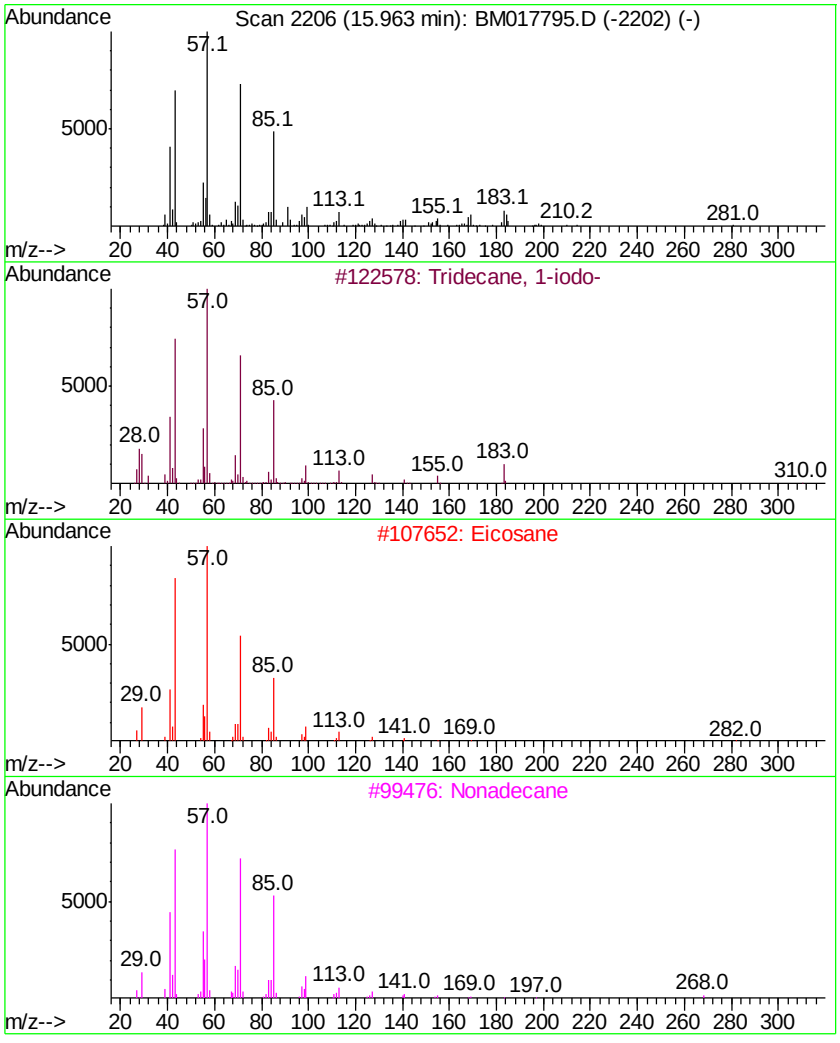
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

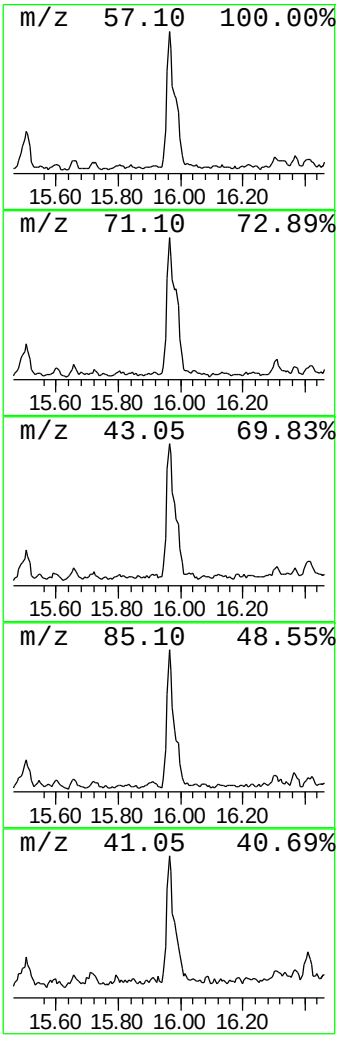
**********

Peak Number 13 Tridecane, 1-iodo- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.96 | 3.63 ng/ul | 584161 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 83 |
| 2 | Eicosane | 282 | C20H42 | 000112-95-8 | 81 |
| 3 | Nonadecane | 268 | C19H40 | 000629-92-5 | 81 |
| 4 | Dodecane | 170 | C12H26 | 000112-40-3 | 81 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 80 |



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Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

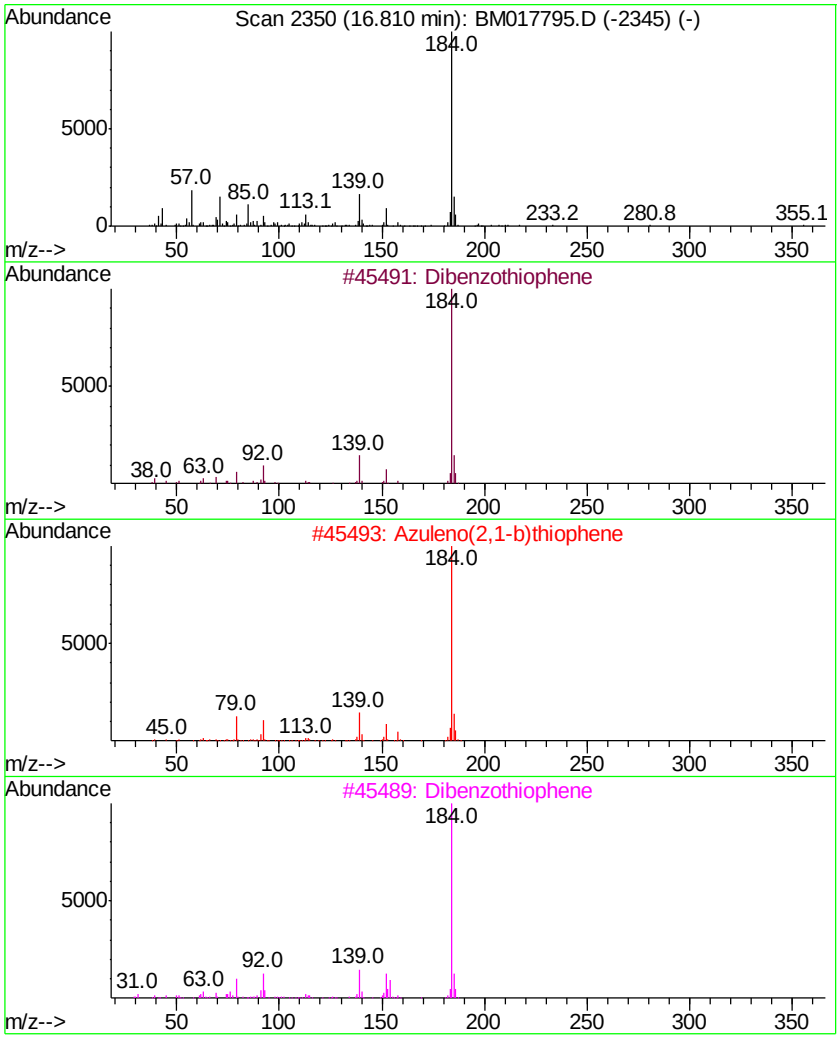
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

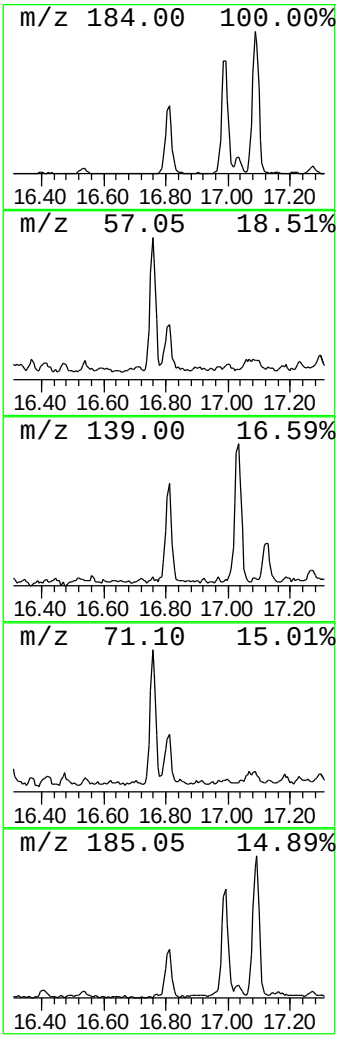
**********

Peak Number 14 Dibenzothiophene Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.81 | 2.45 ng/ul | 393474 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 91 |
| 2 | Azuleno(2,1-b)thiophene | 184 | C12H8S | 000248-13-5 | 90 |
| 3 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 87 |
| 4 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 87 |
| 5 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 87 |



Library Search Compound Report

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Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

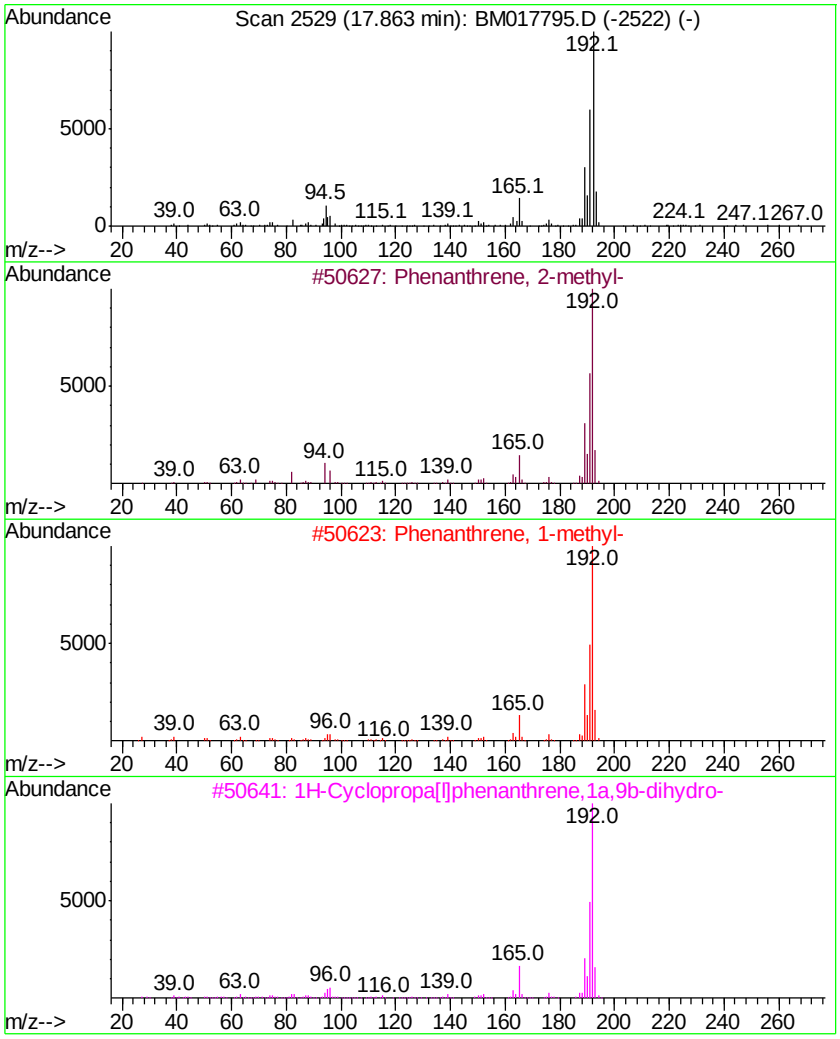
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

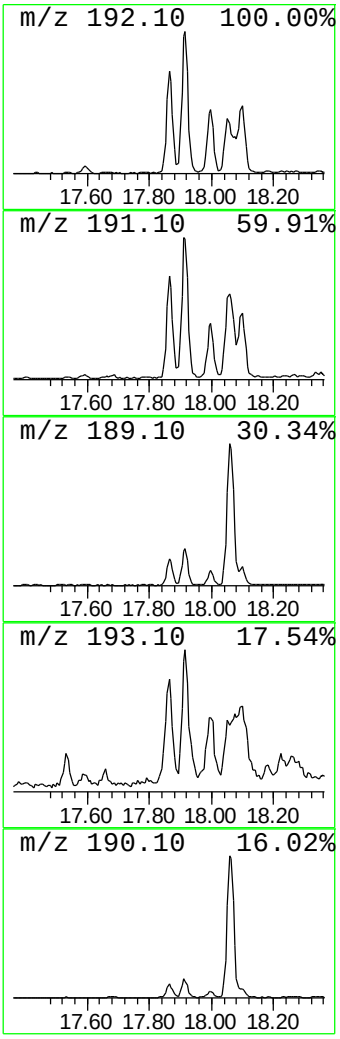
**********

Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.86 | 2.77 ng/ul | 445840 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 98 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 4 | 1H-Indene, 3-phenyl- | 192 | C15H12 | 001961-97-3 | 94 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 94 |



# Library Search Compound Report

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Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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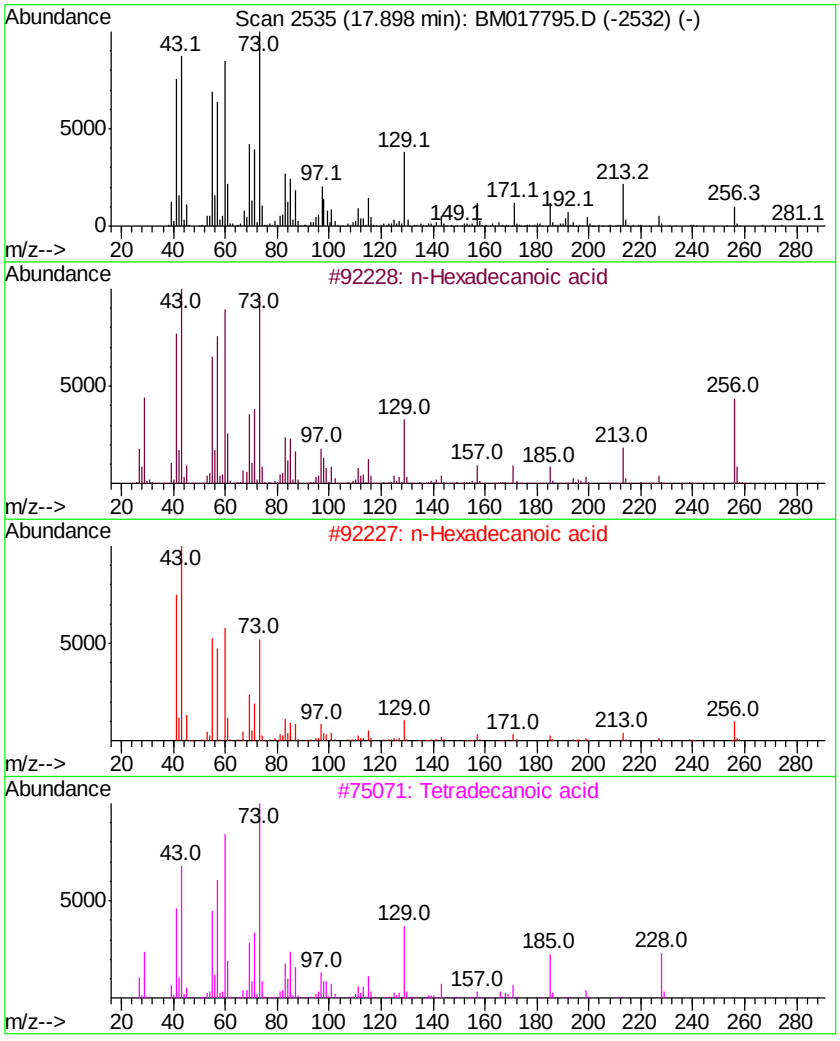
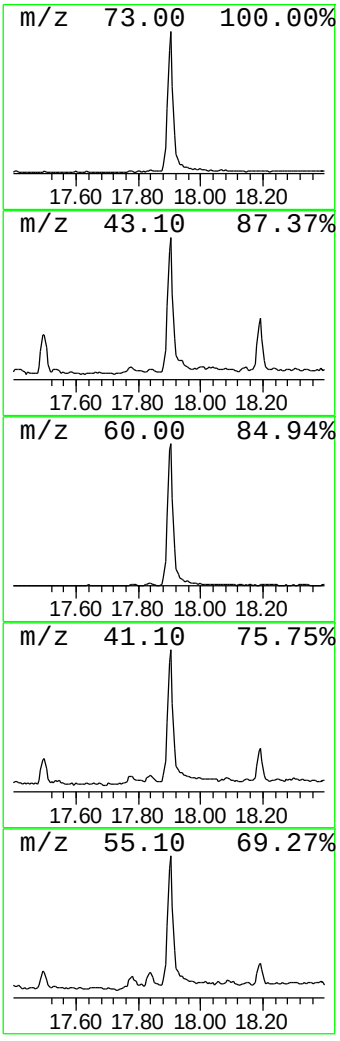
Peak Number 17 n-Hexadecanoic acid Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.90 | 13.33 ng/ul | 2144960 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 3 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 94 |
| 4 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 78 |
| 5 | Pentadecanoic acid | 242 | C15H30O2 | 001002-84-2 | 62 |



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Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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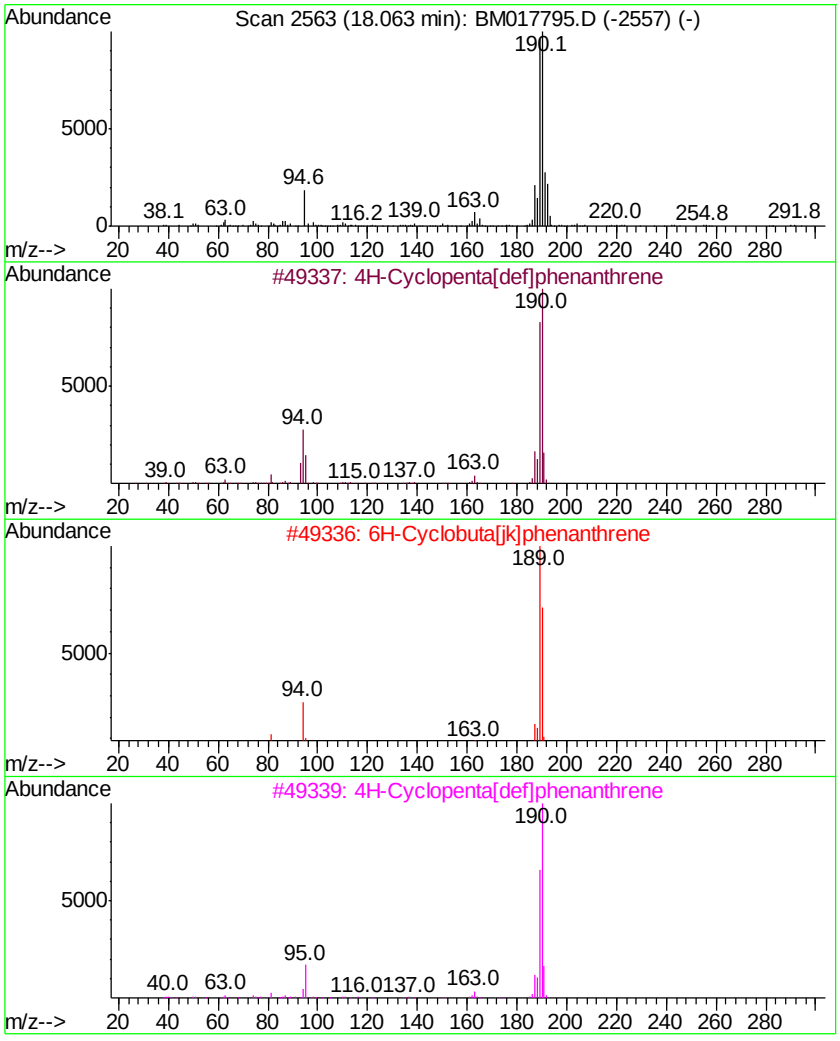
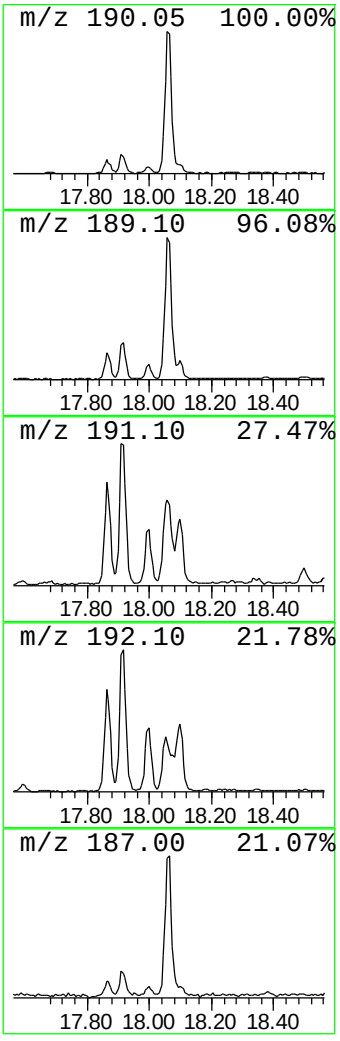
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.06 | 5.52 ng/ul | 887888 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 87 |
| 2 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 64 |
| 3 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 64 |
| 4 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 55 |
| 5 | 2,3,5,6-Tetramethylterephthalald... | 190 | C12H14O2 | 007072-01-7 | 50 |



# Library Search Compound Report

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Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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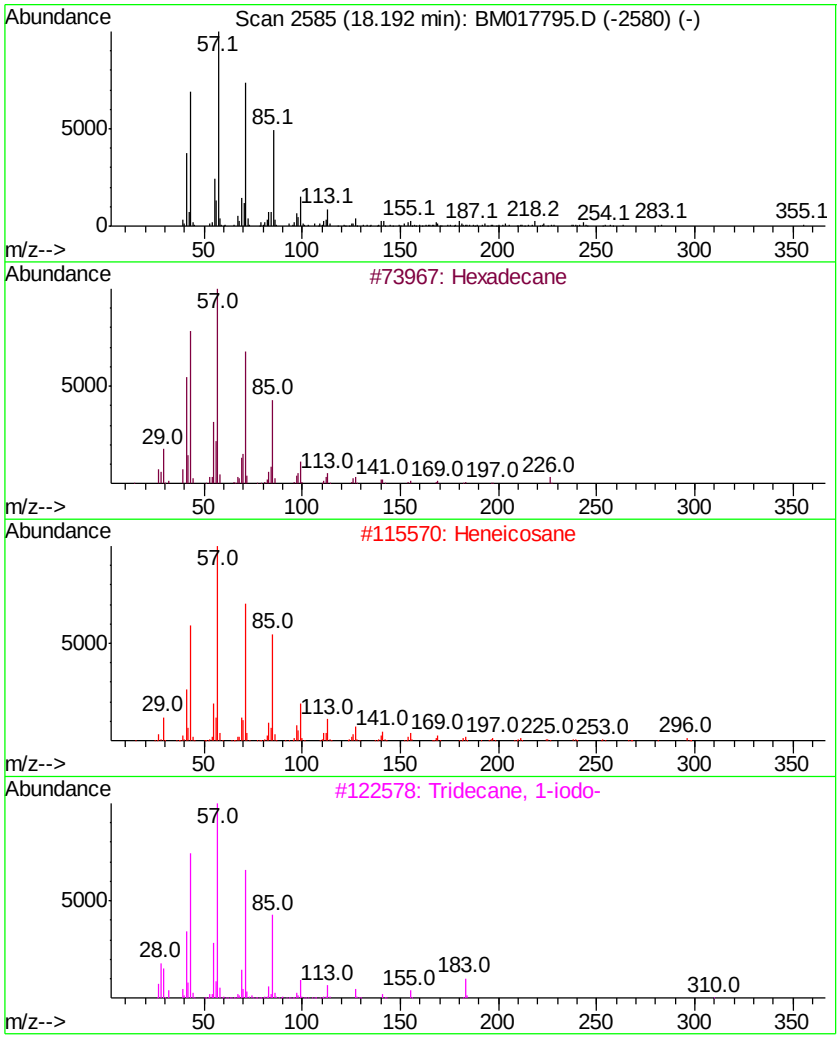
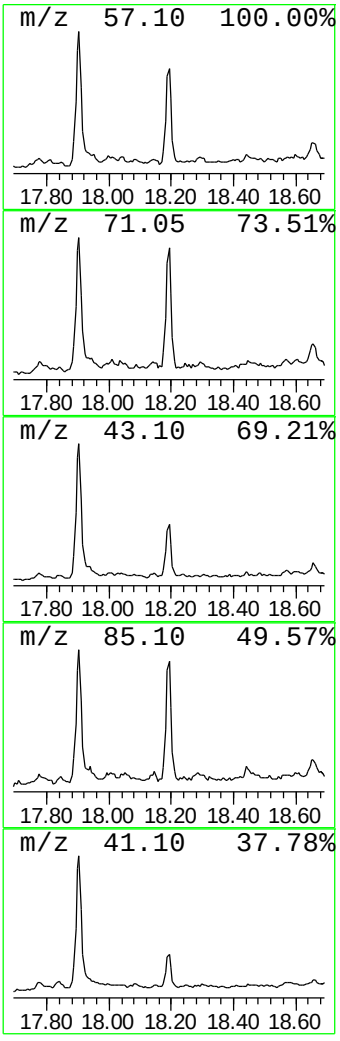
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.19 | 2.48 ng/ul | 398863 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Tridecane, 1-iodo- | 310 | C13H27I | 035599-77-0 | 90 |
| 4 | Docosane | 310 | C22H46 | 000629-97-0 | 90 |
| 5 | Pentadecane | 212 | C15H32 | 000629-62-9 | 87 |



Library Search Compound Report

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Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

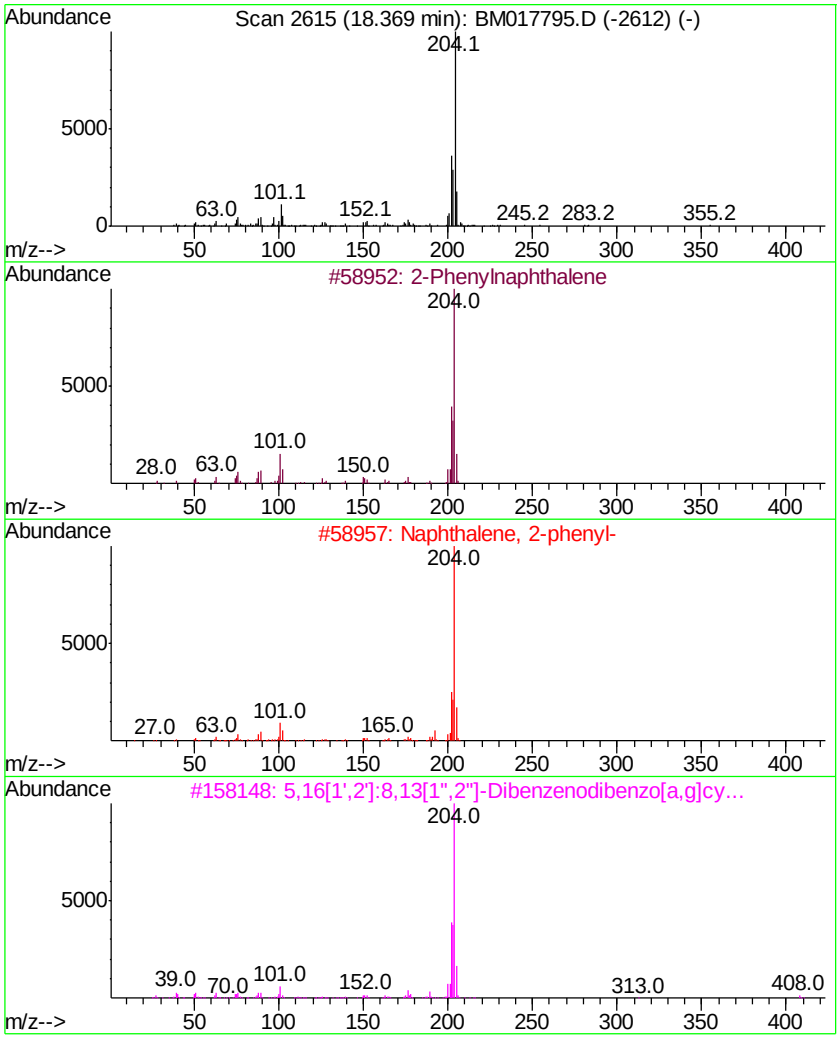
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

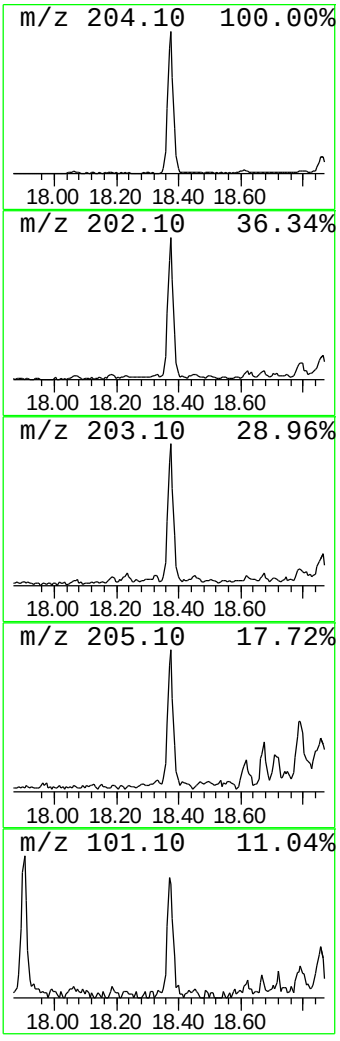
**********

Peak Number 20 2-Phenylnaphthalene Concentration Rank 32

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.37 | 2.10 ng/ul | 337175 | Phenanthrene-d10 | 16.99 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Phenylnaphthalene | 204 | C16H12 | 035465-71-5 | 86 |
| 2 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 86 |
| 3 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 83 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 70 |
| 5 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 70 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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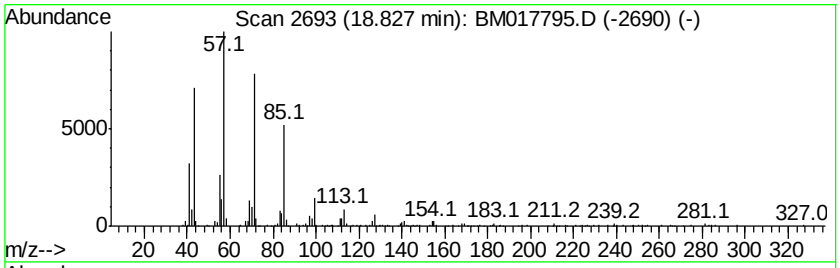
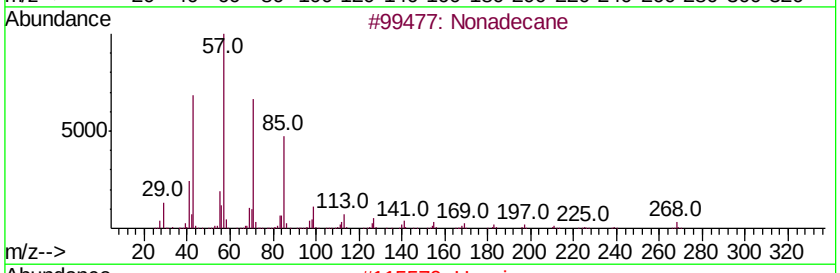
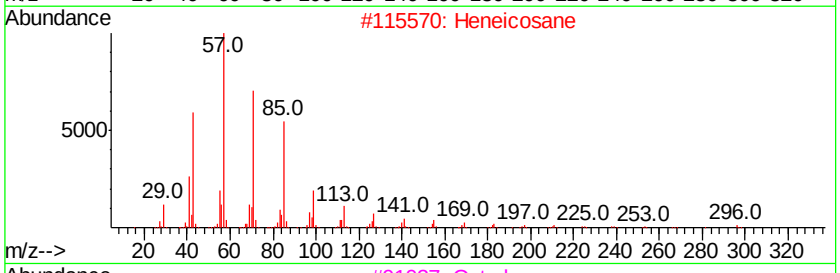
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 18

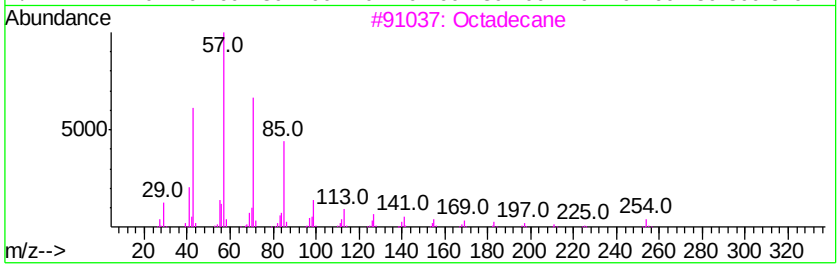
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.83 | 3.62 ng/ul | 582042 | Phenanthrene-d10 | 16.99 |

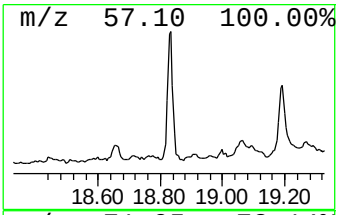
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Nonadecane | 268 | C19H40 | 000629-92-5 | 97 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 3 | Octadecane | 254 | C18H38 | 000593-45-3 | 91 |
| 4 | Eicosane | 282 | C20H42 | 000112-95-8 | 90 |
| 5 | Pentadecane, 8-heptyl- | 310 | C22H46 | 071005-15-7 | 90 |

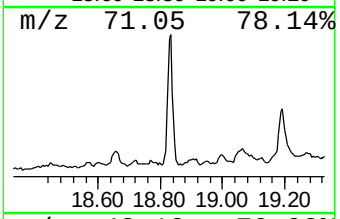


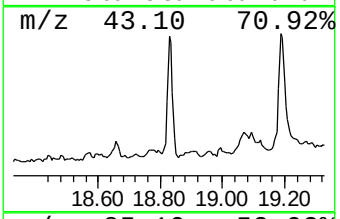



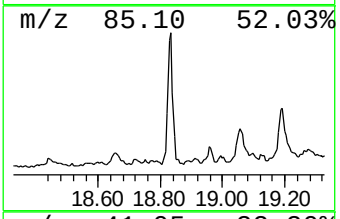



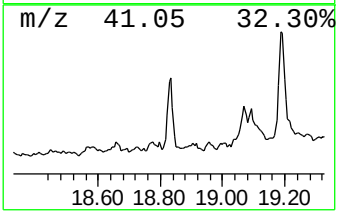



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

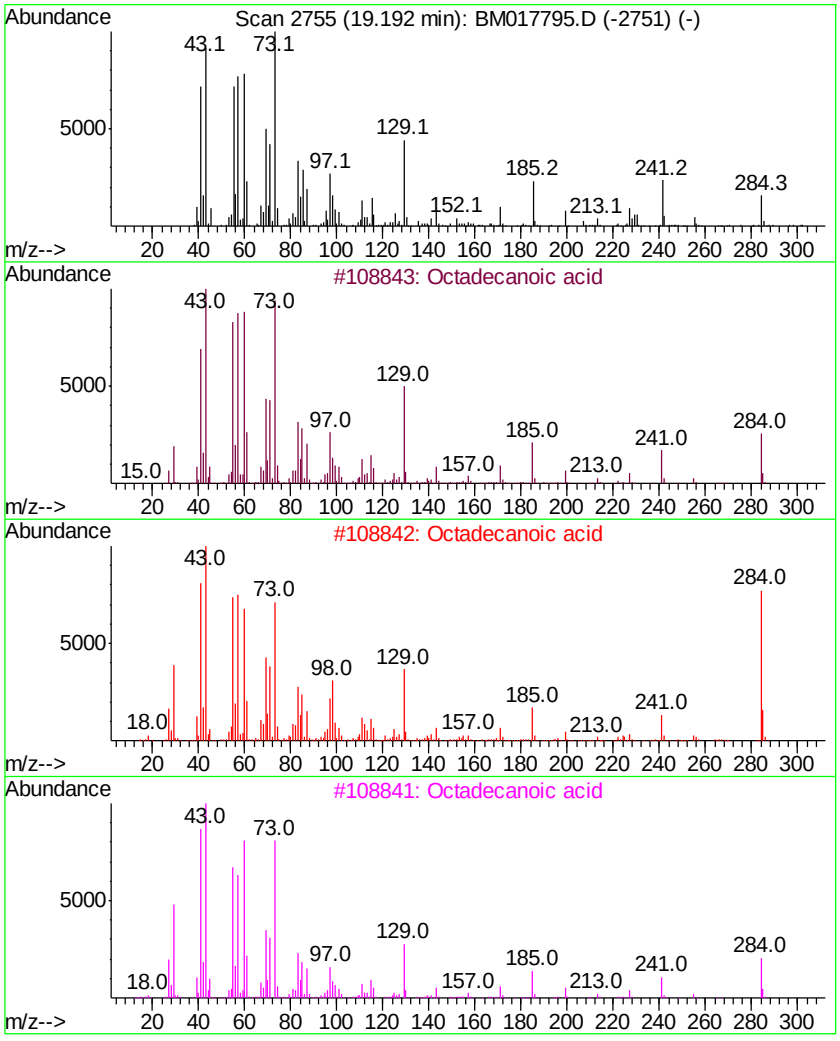
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

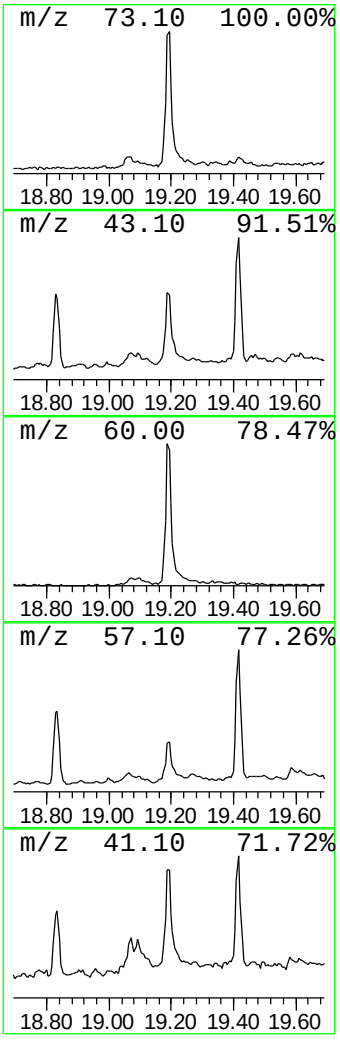
**********

Peak Number 22 Octadecanoic acid Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.19 | 2.95 ng/ul | 956279 | Chrysene-d12 | 21.19 |

| 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 | 95 |
| 3 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 95 |
| 4 | Octadecanoic acid | 284 | C18H36O2 | 000057-11-4 | 95 |
| 5 | Tetradecanoic acid | 228 | C14H28O2 | 000544-63-8 | 90 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

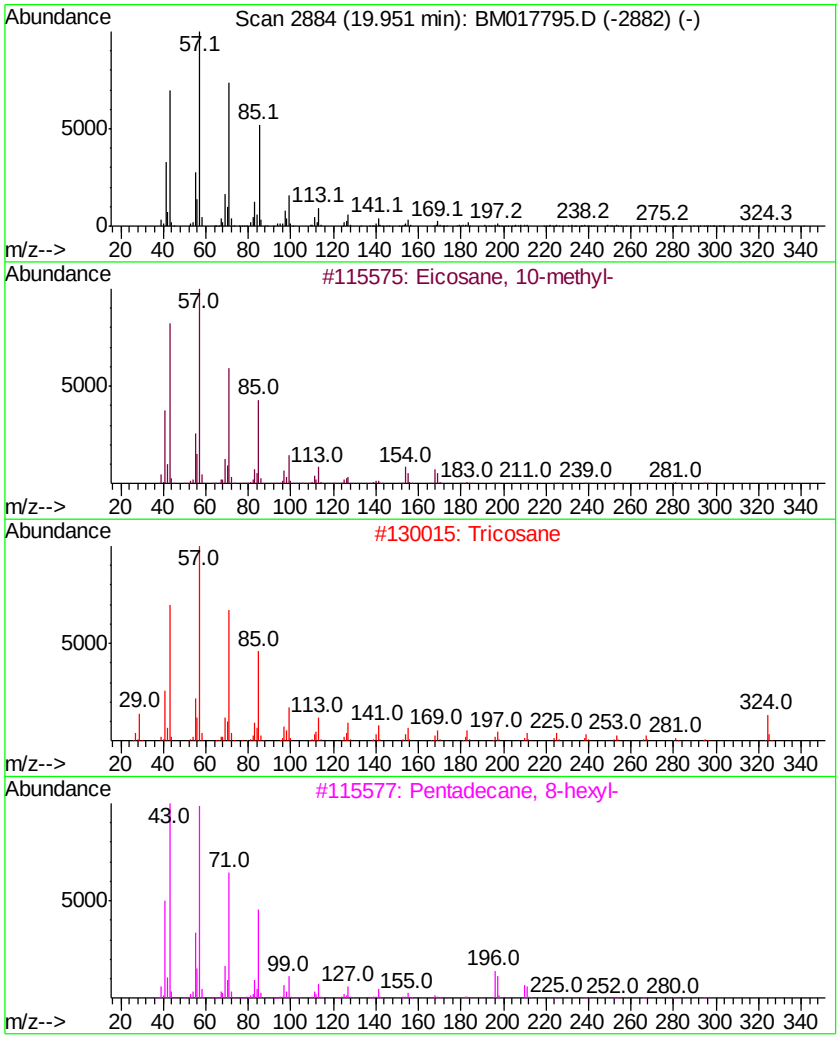
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

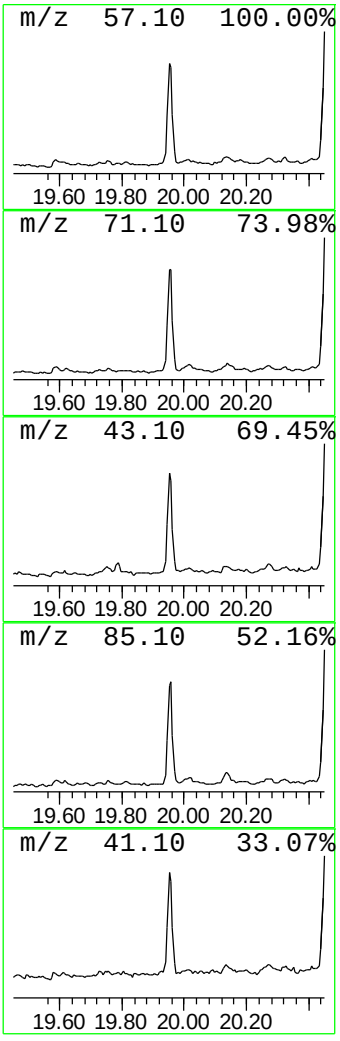
**********

Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.95 | 3.68 ng/ul | 1193780 | Chrysene-d12 | 21.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 94 |
| 2 | Tricosane | 324 | C23H48 | 000638-67-5 | 93 |
| 3 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 93 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 5 | Eicosane, 7-hexyl- | 366 | C26H54 | 055333-99-8 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

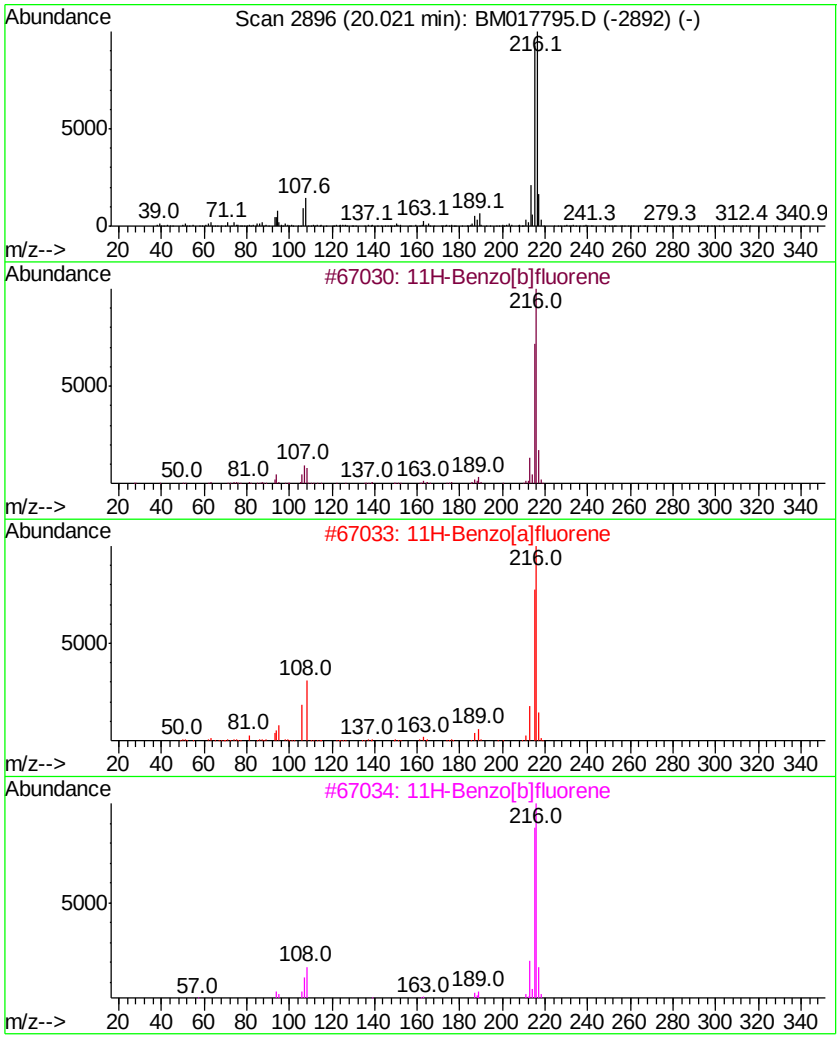
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

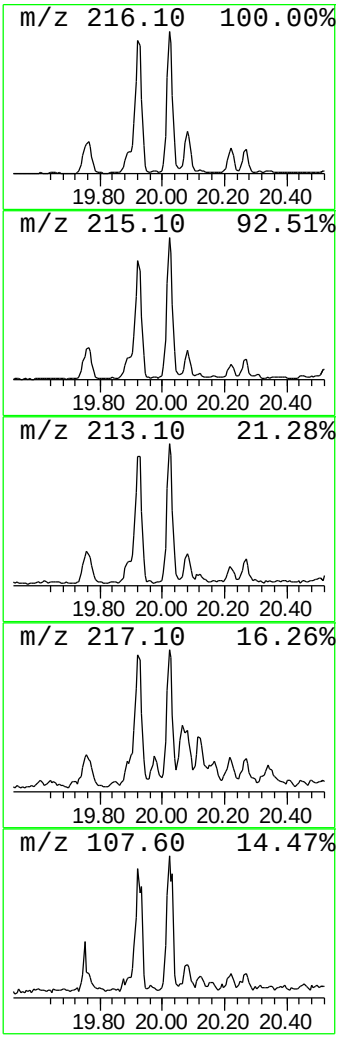
**********

Peak Number 24 11H-Benzo[b]fluorene Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.02 | 2.71 ng/ul | 878643 | Chrysene-d12 | 21.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 95 |
| 2 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 91 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 87 |
| 4 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 74 |
| 5 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 70 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

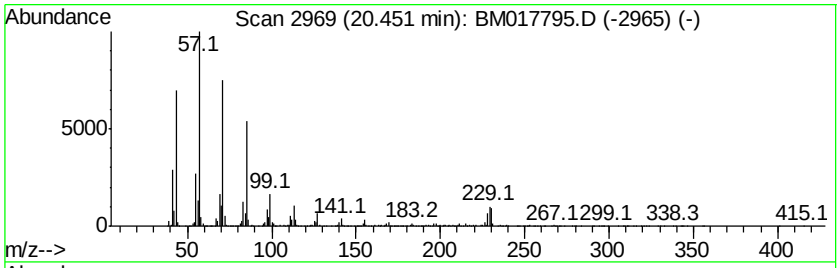
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

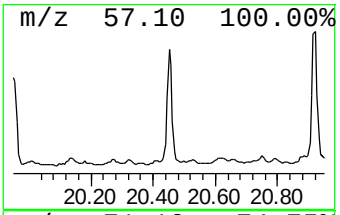
**********

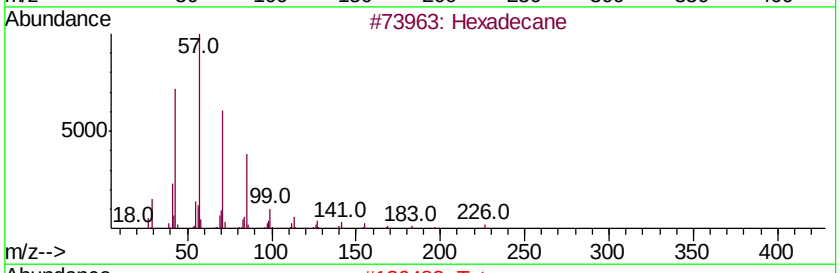
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 11

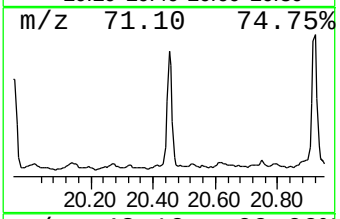
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.45 | 5.82 ng/ul | 1890050 | Chrysene-d12 | 21.19 |

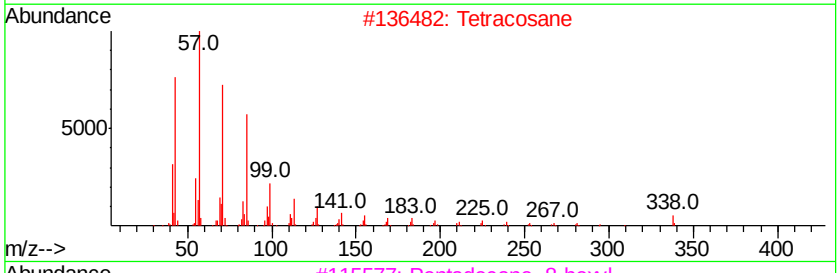
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hexadecane | 226 | C16H34 | 000544-76-3 | 96 |
| 2 | Tetracosane | 338 | C24H50 | 000646-31-1 | 95 |
| 3 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 91 |
| 4 | Eicosane, 10-methyl- | 296 | C21H44 | 054833-23-7 | 91 |
| 5 | Hexadecane | 226 | C16H34 | 000544-76-3 | 87 |

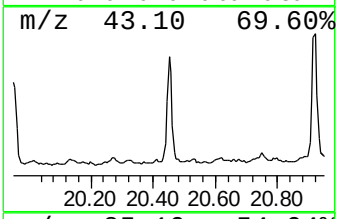


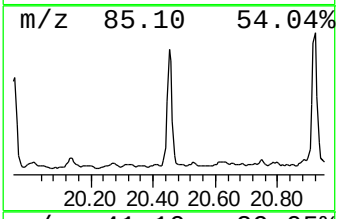



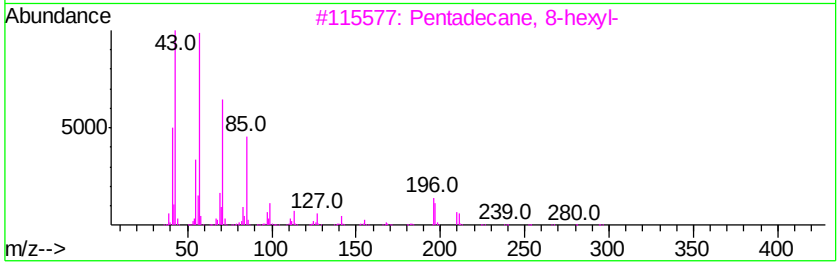



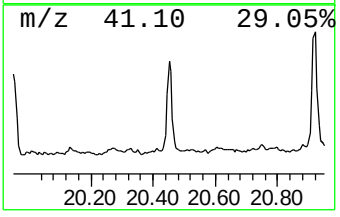



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

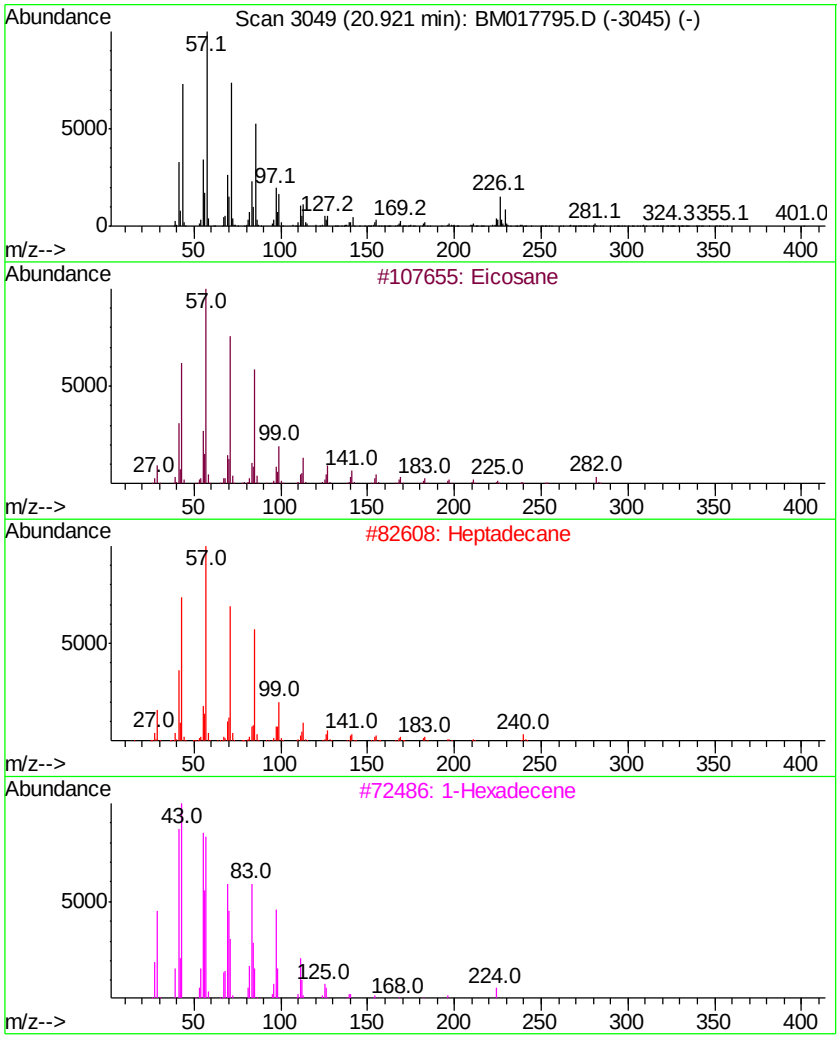
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

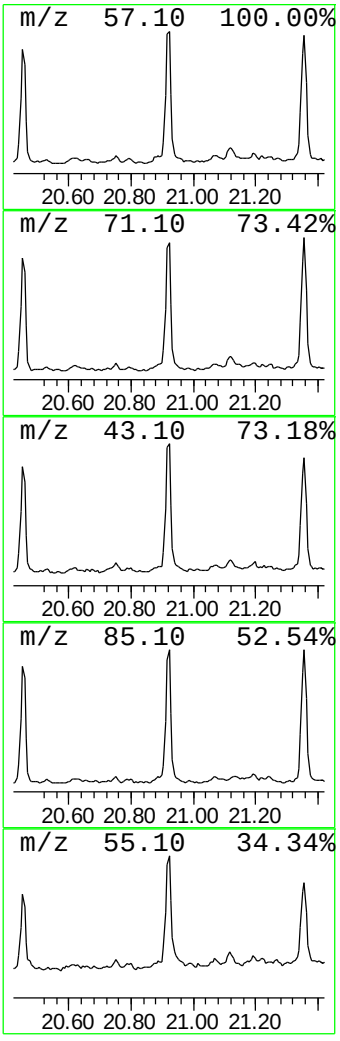
**********

Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.92 | 9.75 ng/ul | 3164340 | Chrysene-d12 | 21.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 96 |
| 2 | Heptadecane | 240 | C17H36 | 000629-78-7 | 95 |
| 3 | 1-Hexadecene | 224 | C16H32 | 000629-73-2 | 92 |
| 4 | Tritetracontane | 605 | C43H88 | 007098-21-7 | 87 |
| 5 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

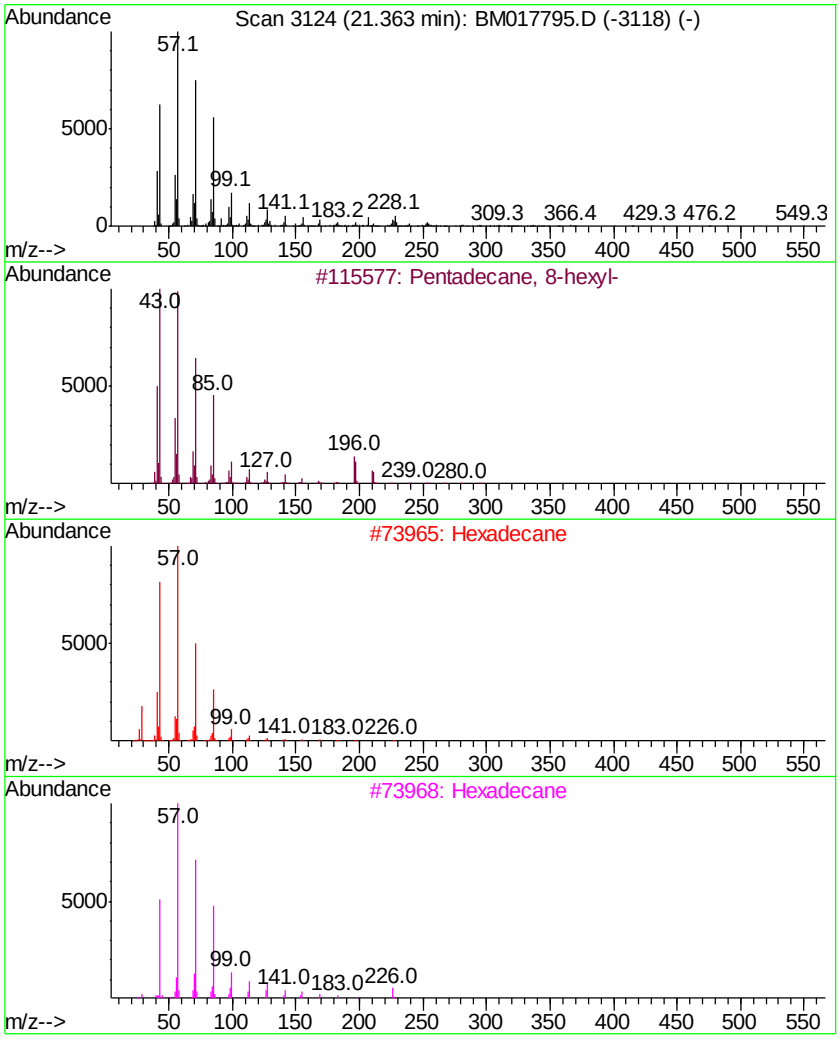
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

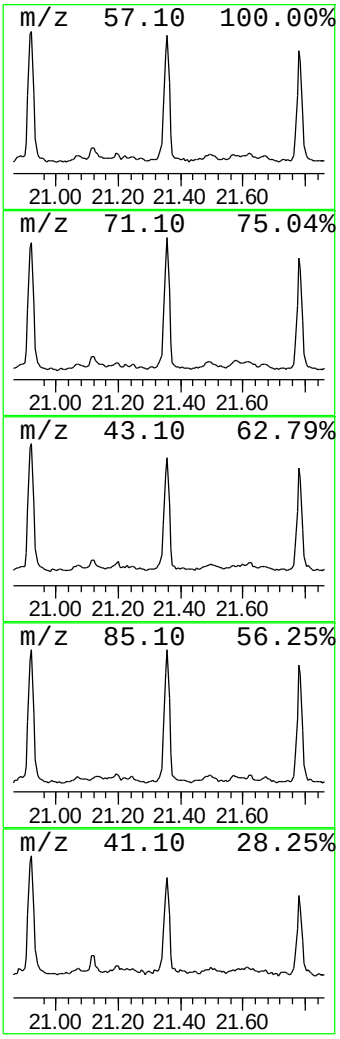
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.36 | 7.19 ng/ul | 2332700 | Chrysene-d12 | 21.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pentadecane, 8-hexyl- | 296 | C21H44 | 013475-75-7 | 91 |
| 2 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 3 | Hexadecane | 226 | C16H34 | 000544-76-3 | 91 |
| 4 | Hexadecane | 226 | C16H34 | 000544-76-3 | 90 |
| 5 | Heneicosane | 296 | C21H44 | 000629-94-7 | 87 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

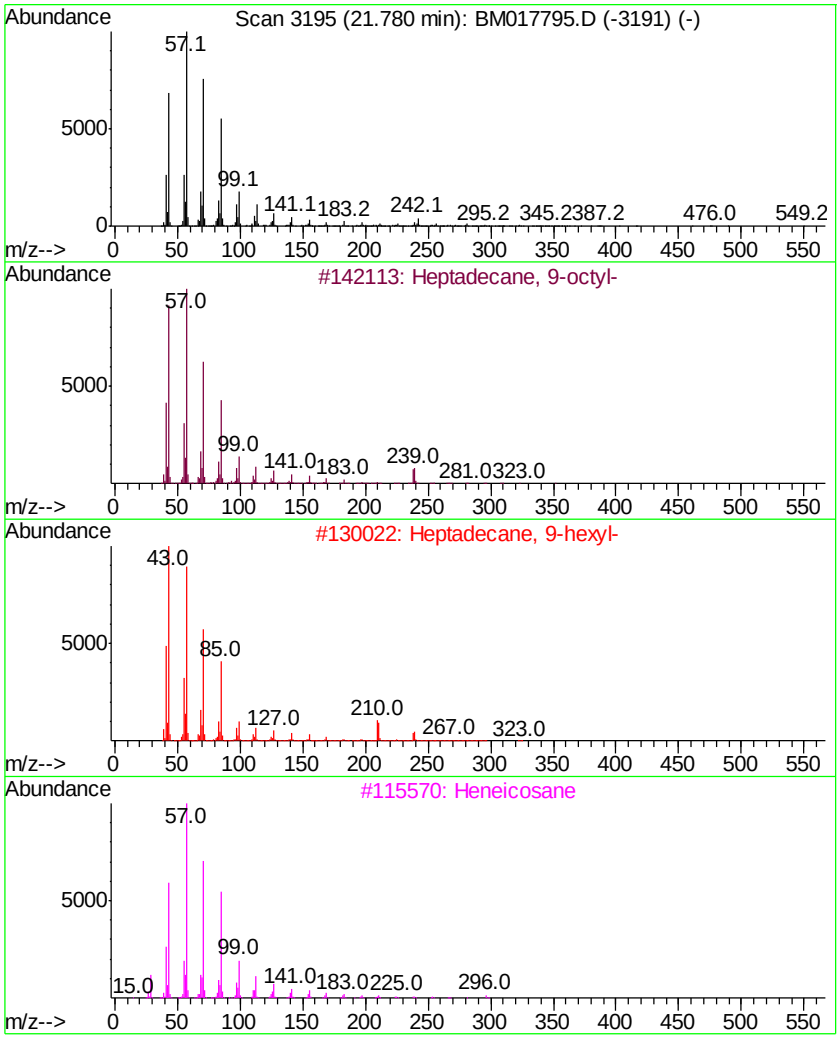
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

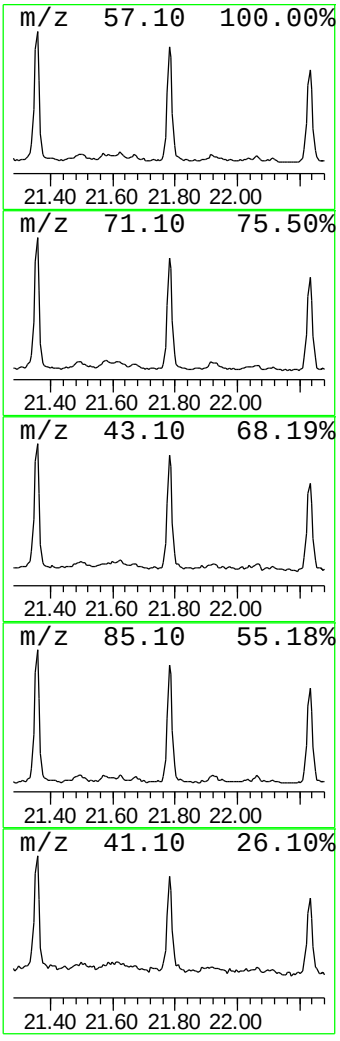
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 21.78 | 6.21 ng/ul | 2014180 | Chrysene-d12 | 21.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 95 |
| 2 | Heptadecane, 9-hexyl- | 324 | C23H48 | 055124-79-3 | 94 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Pentadecane, 8-heptyl- | 310 | C22H46 | 071005-15-7 | 91 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

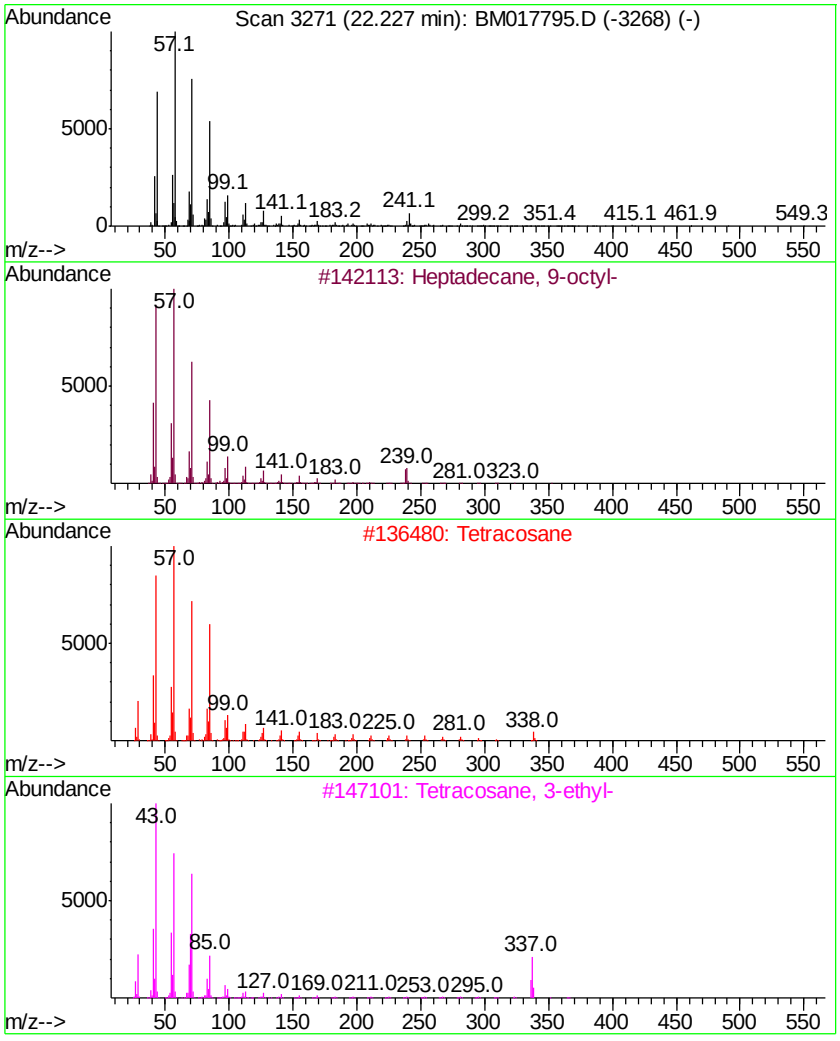
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

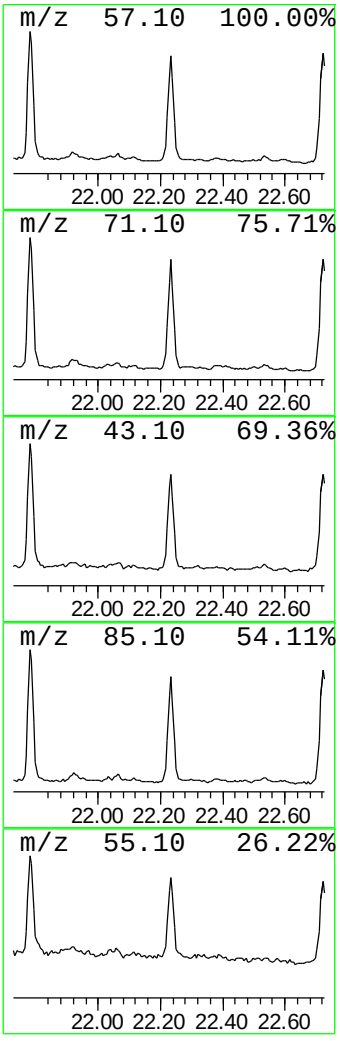
**********

Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.23 | 5.35 ng/ul | 1735880 | Chrysene-d12 | 21.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 95 |
| 2 | Tetracosane | 338 | C24H50 | 000646-31-1 | 94 |
| 3 | Tetracosane, 3-ethyl- | 366 | C26H54 | 055282-17-2 | 93 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 5 | Nonacosane | 408 | C29H60 | 000630-03-5 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

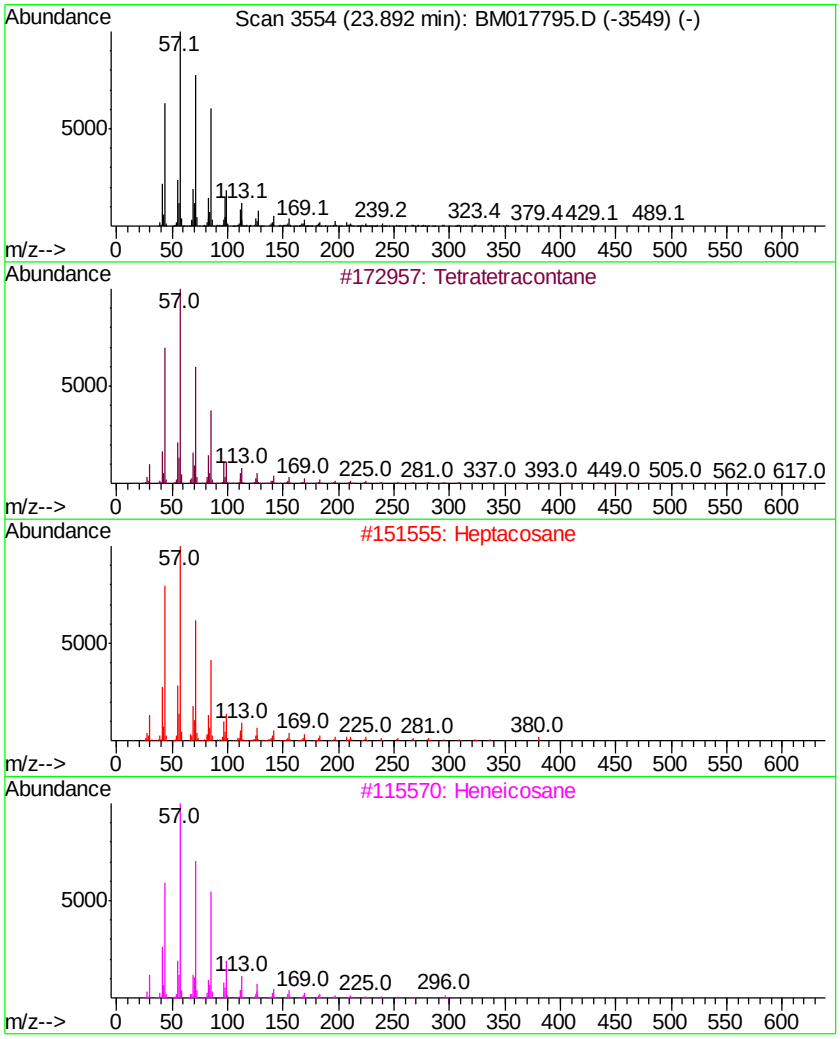
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

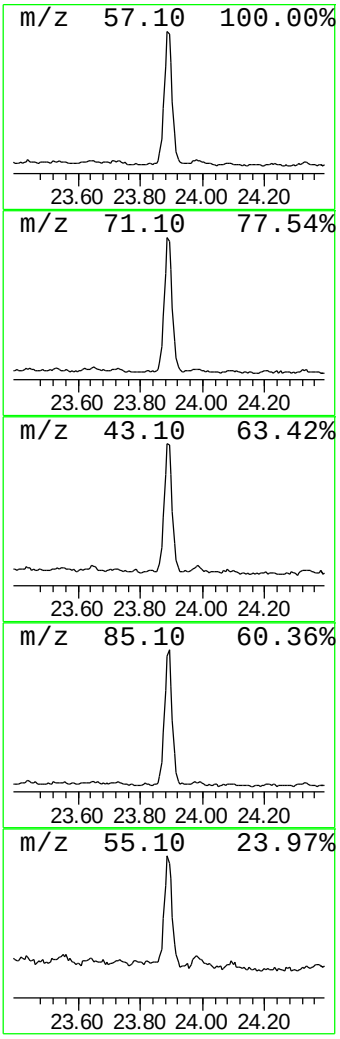
**********

Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.89 | 17.50 ng/ul | 2040510 | Perylene-d12 | 23.38 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Tetratetracontane | 619 | C44H90 | 007098-22-8 | 91 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 91 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 91 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 91 |
| 5 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

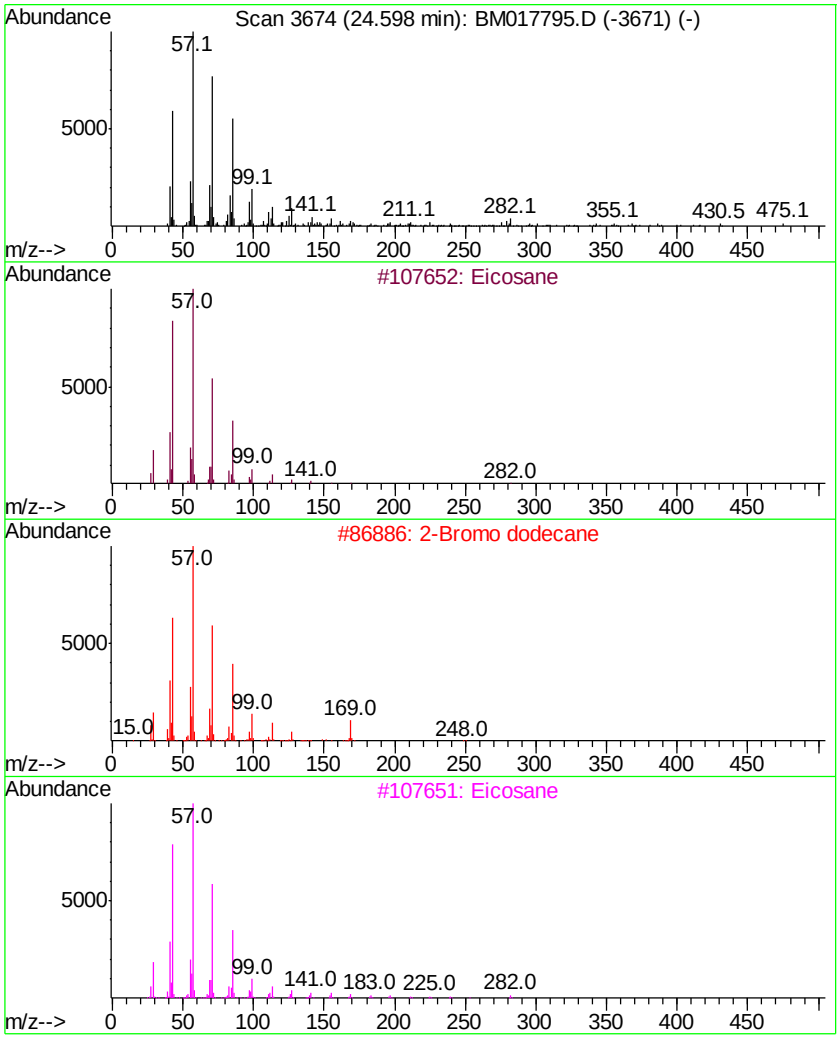
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

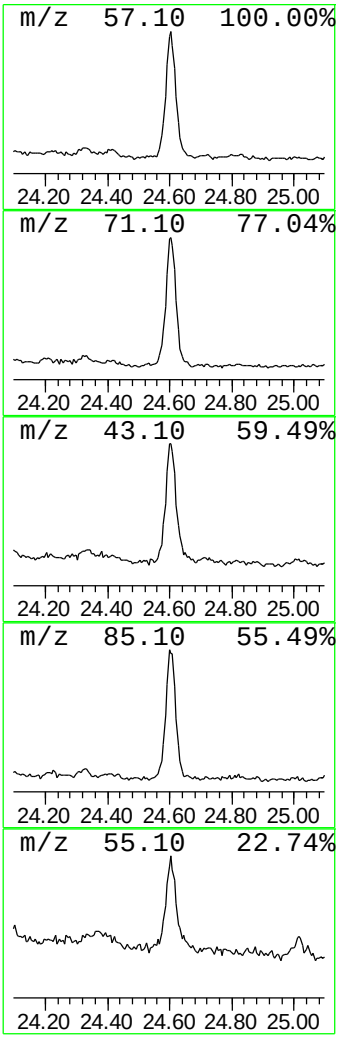
**********

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 24.60 | 10.42 ng/ul | 1214360 | Perylene-d12 | 23.38 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Eicosane | 282 | C20H42 | 000112-95-8 | 95 |
| 2 | 2-Bromo dodecane | 248 | C12H25Br | 013187-99-0 | 93 |
| 3 | Eicosane | 282 | C20H42 | 000112-95-8 | 93 |
| 4 | Pentacosane | 352 | C25H52 | 000629-99-2 | 91 |
| 5 | Nonacosane | 408 | C29H60 | 000630-03-5 | 91 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

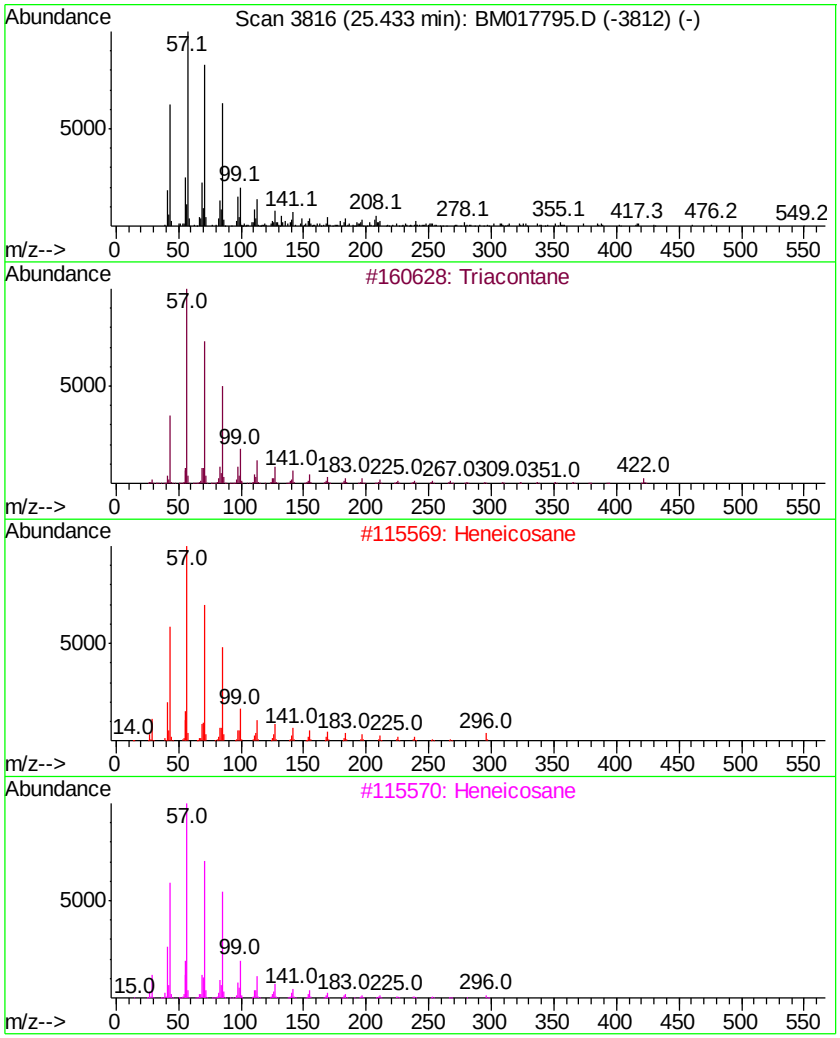
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

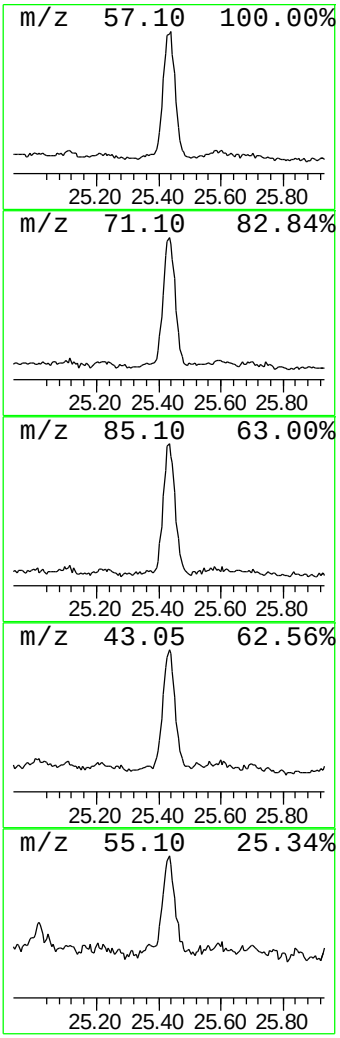
**********

Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 25.43 | 8.76 ng/ul | 1021180 | Perylene-d12 | 23.38 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Triacontane | 422 | C30H62 | 000638-68-6 | 90 |
| 2 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 3 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 4 | Octacosane | 394 | C28H58 | 000630-02-4 | 87 |
| 5 | Tetracosane | 338 | C24H50 | 000646-31-1 | 87 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM112918\
Data File : BM017795.D
Acq On : 29 Nov 2018 11:55
Operator : JU/SJ
Sample : J5945-15
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** ETOA6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| (DEL) Alkane: Str... | 7.20 | 6.1 | ng/ul | 423497 | 1 | 7.59 | 1383660 | 20.0 |
| Benzene, 2-ethyl-... | 8.22 | 3.6 | ng/ul | 249371 | 1 | 7.59 | 1383660 | 20.0 |
| Benzene, 4-ethyl-... | 8.68 | 2.7 | ng/ul | 189384 | 1 | 7.59 | 1383660 | 20.0 |
| (DEL) Alkane: Str... | 8.79 | 5.0 | ng/ul | 345114 | 1 | 7.59 | 1383660 | 20.0 |
| Benzene, 1,2,3,4-... | 9.25 | 2.1 | ng/ul | 226614 | 2 | 10.36 | 2159850 | 20.0 |
| (DEL) Alkane: Str... | 11.79 | 2.5 | ng/ul | 272598 | 2 | 10.36 | 2159850 | 20.0 |
| (DEL) Alkane: Str... | 13.05 | 2.7 | ng/ul | 351097 | 3 | 14.23 | 2592210 | 20.0 |
| (DEL) Alkane: Str... | 14.14 | 2.4 | ng/ul | 305811 | 3 | 14.23 | 2592210 | 20.0 |
| (DEL) Alkane: Str... | 15.10 | 2.2 | ng/ul | 280341 | 3 | 14.23 | 2592210 | 20.0 |
| Tridecane, 1-iodo- | 15.96 | 3.6 | ng/ul | 584161 | 4 | 16.99 | 3217380 | 20.0 |
| Dibenzothiophene | 16.81 | 2.5 | ng/ul | 393474 | 4 | 16.99 | 3217380 | 20.0 |
| Phenanthrene, 2-m... | 17.86 | 2.8 | ng/ul | 445840 | 4 | 16.99 | 3217380 | 20.0 |
| n-Hexadecanoic acid | 17.90 | 13.3 | ng/ul | 2144960 | 4 | 16.99 | 3217380 | 20.0 |
| 4H-Cyclopenta[def... | 18.06 | 5.5 | ng/ul | 887888 | 4 | 16.99 | 3217380 | 20.0 |
| (DEL) Alkane: Str... | 18.19 | 2.5 | ng/ul | 398863 | 4 | 16.99 | 3217380 | 20.0 |
| 2-Phenylnaphthalene | 18.37 | 2.1 | ng/ul | 337175 | 4 | 16.99 | 3217380 | 20.0 |
| (DEL) Alkane: Str... | 18.83 | 3.6 | ng/ul | 582042 | 4 | 16.99 | 3217380 | 20.0 |
| Octadecanoic acid | 19.19 | 3.0 | ng/ul | 956279 | 5 | 21.19 | 6490400 | 20.0 |
| (DEL) Alkane: Str... | 19.95 | 3.7 | ng/ul | 1193780 | 5 | 21.19 | 6490400 | 20.0 |
| 11H-Benzo[b]fluorene | 20.02 | 2.7 | ng/ul | 878643 | 5 | 21.19 | 6490400 | 20.0 |
| (DEL) Alkane: Str... | 20.45 | 5.8 | ng/ul | 1890050 | 5 | 21.19 | 6490400 | 20.0 |
| (DEL) Alkane: Str... | 20.92 | 9.8 | ng/ul | 3164340 | 5 | 21.19 | 6490400 | 20.0 |
| (DEL) Alkane: Str... | 21.36 | 7.2 | ng/ul | 2332700 | 5 | 21.19 | 6490400 | 20.0 |
| (DEL) Alkane: Str... | 21.78 | 6.2 | ng/ul | 2014180 | 5 | 21.19 | 6490400 | 20.0 |
| (DEL) Alkane: Str... | 22.23 | 5.3 | ng/ul | 1735880 | 5 | 21.19 | 6490400 | 20.0 |
| (DEL) Alkane: Str... | 23.89 | 17.5 | ng/ul | 2040510 | 6 | 23.38 | 2331420 | 20.0 |
| (DEL) Alkane: Str... | 24.60 | 10.4 | ng/ul | 1214360 | 6 | 23.38 | 2331420 | 20.0 |
| (DEL) Alkane: Str... | 25.43 | 8.8 | ng/ul | 1021180 | 6 | 23.38 | 2331420 | 20.0 |