LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

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-BM080720MA.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 | 6.822 | 643 | 652 | 667 | rVB | 450292 | 743839 | 4.94% | 0.389% |
| 2 | 6.981 | 672 | 679 | 687 | rBV | 357580 | 534909 | 3.55% | 0.280% |
| 3 | 7.181 | 705 | 713 | 720 | rBV | 475768 | 746635 | 4.96% | 0.391% |
| 4 | 7.640 | 784 | 791 | 798 | rBV | 520913 | 796807 | 5.29% | 0.417% |
| 5 | 8.345 | 904 | 911 | 918 | rBV | 547900 | 846999 | 5.63% | 0.443% |
| 6 | 8.781 | 974 | 985 | 996 | rBV | 432310 | 710356 | 4.72% | 0.372% |
| 7 | 9.498 | 1101 | 1107 | 1116 | rVB | 340933 | 539821 | 3.59% | 0.283% |
| 8 | 10.034 | 1191 | 1198 | 1211 | rBV | 575618 | 962483 | 6.39% | 0.504% |
| 9 | 10.410 | 1255 | 1262 | 1267 | rBV | 648039 | 1090388 | 7.24% | 0.571% |
| 10 | 10.457 | 1267 | 1270 | 1278 | rVB | 244757 | 398226 | 2.65% | 0.208% |
| 11 | 10.545 | 1278 | 1285 | 1296 | rBV | 403279 | 702329 | 4.67% | 0.368% |
| 12 | 12.080 | 1539 | 1546 | 1553 | rBV | 261017 | 406577 | 2.70% | 0.213% |
| 13 | 12.298 | 1574 | 1583 | 1595 | rVB | 214382 | 342141 | 2.27% | 0.179% |
| 14 | 13.598 | 1793 | 1804 | 1809 | rBV | 212335 | 376996 | 2.50% | 0.197% |
| 15 | 13.686 | 1815 | 1819 | 1824 | rVV | 976293 | 1357230 | 9.02% | 0.710% |
| 16 | 13.963 | 1859 | 1866 | 1881 | rVB | 1155447 | 1952898 | 12.97% | 1.022% |
| 17 | 14.274 | 1911 | 1919 | 1924 | rVV2 | 966676 | 1549617 | 10.29% | 0.811% |
| 18 | 14.339 | 1924 | 1930 | 1937 | rVV | 1213214 | 1738844 | 11.55% | 0.910% |
| 19 | 14.474 | 1946 | 1953 | 1964 | rVV2 | 244766 | 471052 | 3.13% | 0.247% |
| 20 | 14.674 | 1981 | 1987 | 1996 | rVB | 934192 | 1369049 | 9.09% | 0.717% |
| 21 | 15.268 | 2082 | 2088 | 2093 | rVV | 1450520 | 2052132 | 13.63% | 1.074% |
| 22 | 15.327 | 2093 | 2098 | 2103 | rVV | 1184820 | 1711482 | 11.37% | 0.896% |
| 23 | 15.486 | 2122 | 2125 | 2131 | rVV | 207166 | 337564 | 2.24% | 0.177% |
| 24 | 15.621 | 2144 | 2148 | 2157 | rVB | 431665 | 640418 | 4.25% | 0.335% |
| 25 | 15.768 | 2168 | 2173 | 2181 | rVB | 474749 | 937947 | 6.23% | 0.491% |
| 26 | 16.304 | 2257 | 2264 | 2266 | rBV2 | 193747 | 377947 | 2.51% | 0.198% |
| 27 | 16.327 | 2266 | 2268 | 2274 | rVV2 | 267820 | 440739 | 2.93% | 0.231% |
| 28 | 16.562 | 2305 | 2308 | 2311 | rVV2 | 233356 | 349048 | 2.32% | 0.183% |
| 29 | 16.604 | 2311 | 2315 | 2318 | rVV3 | 245347 | 392436 | 2.61% | 0.205% |
| 30 | 16.674 | 2322 | 2327 | 2336 | rVB | 569966 | 897619 | 5.96% | 0.470% |
| 31 | 16.833 | 2348 | 2354 | 2359 | rVB | 448815 | 633825 | 4.21% | 0.332% |
| 32 | 17.021 | 2380 | 2386 | 2388 | rVV | 1142127 | 1582998 | 10.52% | 0.829% |
| 33 | 17.068 | 2388 | 2394 | 2398 | rVV | 10734039 | 14820622 | 98.45% | 7.757% |
| 34 | 17.121 | 2398 | 2403 | 2405 | rVV2 | 1726803 | 2468292 | 16.40% | 1.292% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

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-BM080720MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 17.151 | 2405 | 2408 | 2414 | rVV | 2692983 | 3519116 | 23.38% | 1.842% |
| 36 | 17.415 | 2443 | 2453 | 2458 | rBV2 | 1126519 | 1967288 | 13.07% | 1.030% |
| 37 | 17.898 | 2525 | 2535 | 2538 | rBV | 1298213 | 1974508 | 13.12% | 1.033% |
| 38 | 17.945 | 2538 | 2543 | 2550 | rVB | 2059513 | 2980079 | 19.80% | 1.560% |
| 39 | 18.021 | 2550 | 2556 | 2561 | rBV | 869493 | 1280403 | 8.51% | 0.670% |
| 40 | 18.092 | 2561 | 2568 | 2571 | rBV2 | 1652252 | 2927585 | 19.45% | 1.532% |
| 41 | 18.127 | 2571 | 2574 | 2579 | rVB | 825430 | 1069936 | 7.11% | 0.560% |
| 42 | 18.398 | 2616 | 2620 | 2623 | rBV | 888677 | 1169704 | 7.77% | 0.612% |
| 43 | 18.433 | 2623 | 2626 | 2631 | rVB | 897731 | 1148223 | 7.63% | 0.601% |
| 44 | 18.651 | 2659 | 2663 | 2667 | rBV2 | 294884 | 365483 | 2.43% | 0.191% |
| 45 | 18.739 | 2674 | 2678 | 2682 | rVB2 | 308554 | 416998 | 2.77% | 0.218% |
| 46 | 18.821 | 2686 | 2692 | 2697 | rBV2 | 648602 | 1153945 | 7.67% | 0.604% |
| 47 | 18.886 | 2697 | 2703 | 2706 | rVV2 | 409410 | 737696 | 4.90% | 0.386% |
| 48 | 18.962 | 2711 | 2716 | 2724 | rVB2 | 616323 | 1113303 | 7.40% | 0.583% |
| 49 | 19.086 | 2731 | 2737 | 2743 | rVB | 11364707 | 15053531 | 100.00% | 7.879% |
| 50 | 19.286 | 2765 | 2771 | 2774 | rBV2 | 286430 | 552496 | 3.67% | 0.289% |
| 51 | 19.327 | 2774 | 2778 | 2782 | rVB | 240959 | 348437 | 2.31% | 0.182% |
| 52 | 19.421 | 2788 | 2794 | 2796 | rBV2 | 4084916 | 6519269 | 43.31% | 3.412% |
| 53 | 19.451 | 2796 | 2799 | 2807 | rVV | 9275059 | 11607921 | 77.11% | 6.076% |
| 54 | 19.515 | 2807 | 2810 | 2818 | rVB2 | 611894 | 1073592 | 7.13% | 0.562% |
| 55 | 19.627 | 2824 | 2829 | 2835 | rBV | 821782 | 1096972 | 7.29% | 0.574% |
| 56 | 19.686 | 2835 | 2839 | 2845 | rVB | 485091 | 729050 | 4.84% | 0.382% |
| 57 | 19.774 | 2847 | 2854 | 2860 | rBV2 | 769814 | 2122244 | 14.10% | 1.111% |
| 58 | 19.909 | 2872 | 2877 | 2879 | rVV3 | 607639 | 940008 | 6.24% | 0.492% |
| 59 | 19.945 | 2879 | 2883 | 2888 | rVB | 1591510 | 2209659 | 14.68% | 1.157% |
| 60 | 20.045 | 2896 | 2900 | 2904 | rVV | 903047 | 1131826 | 7.52% | 0.592% |
| 61 | 20.098 | 2904 | 2909 | 2914 | rVV2 | 1261460 | 2178223 | 14.47% | 1.140% |
| 62 | 20.145 | 2914 | 2917 | 2920 | rVV2 | 364721 | 434472 | 2.89% | 0.227% |
| 63 | 20.186 | 2920 | 2924 | 2928 | rVV | 311299 | 400092 | 2.66% | 0.209% |
| 64 | 20.245 | 2929 | 2934 | 2937 | rVV | 560652 | 704123 | 4.68% | 0.369% |
| 65 | 20.286 | 2937 | 2941 | 2950 | rVB2 | 580083 | 1042716 | 6.93% | 0.546% |
| 66 | 20.398 | 2955 | 2960 | 2965 | rVB3 | 262030 | 480335 | 3.19% | 0.251% |
| 67 | 20.503 | 2974 | 2978 | 2980 | rBV3 | 240590 | 364486 | 2.42% | 0.191% |
| 68 | 20.539 | 2981 | 2984 | 2987 | rVV3 | 299488 | 447407 | 2.97% | 0.234% |
| 69 | 20.692 | 3006 | 3010 | 3017 | rVB | 1065550 | 1542079 | 10.24% | 0.807% |
| 70 | 20.856 | 3032 | 3038 | 3042 | rBV2 | 796374 | 1634040 | 10.85% | 0.855% |
| 71 | 20.898 | 3042 | 3045 | 3048 | rVV | 1091403 | 1311205 | 8.71% | 0.686% |

LSC Area Percent Report

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Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

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-BM080720MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 20.945 | 3048 | 3053 | 3057 | rVV2 | 1344736 | 2300825 | 15.28% | 1.204% |
| 73 | 20.986 | 3057 | 3060 | 3068 | rVB | 1152981 | 1764933 | 11.72% | 0.924% |
| 74 | 21.097 | 3073 | 3079 | 3080 | rBV2 | 227377 | 395541 | 2.63% | 0.207% |
| 75 | 21.121 | 3081 | 3083 | 3085 | rVV | 303551 | 365635 | 2.43% | 0.191% |
| 76 | 21.145 | 3085 | 3087 | 3091 | rVV | 496687 | 726274 | 4.82% | 0.380% |
| 77 | 21.203 | 3091 | 3097 | 3102 | rVV3 | 7227479 | 11708063 | 77.78% | 6.128% |
| 78 | 21.250 | 3102 | 3105 | 3115 | rVB | 5649787 | 7057163 | 46.88% | 3.694% |
| 79 | 21.368 | 3121 | 3125 | 3130 | rBV | 625684 | 985581 | 6.55% | 0.516% |
| 80 | 21.468 | 3139 | 3142 | 3146 | rVB | 707508 | 923694 | 6.14% | 0.483% |
| 81 | 21.521 | 3146 | 3151 | 3156 | rBV3 | 906399 | 1433739 | 9.52% | 0.750% |
| 82 | 21.703 | 3179 | 3182 | 3185 | rBV | 289787 | 357235 | 2.37% | 0.187% |
| 83 | 21.756 | 3185 | 3191 | 3195 | rVV | 1274288 | 1890599 | 12.56% | 0.990% |
| 84 | 21.809 | 3196 | 3200 | 3207 | rVB | 671312 | 1054648 | 7.01% | 0.552% |
| 85 | 21.903 | 3214 | 3216 | 3220 | rVB | 322301 | 352795 | 2.34% | 0.185% |
| 86 | 21.950 | 3220 | 3224 | 3227 | rVV | 567467 | 828066 | 5.50% | 0.433% |
| 87 | 21.980 | 3227 | 3229 | 3234 | rVB3 | 511742 | 674511 | 4.48% | 0.353% |
| 88 | 22.044 | 3236 | 3240 | 3250 | rVB3 | 459852 | 892413 | 5.93% | 0.467% |
| 89 | 22.221 | 3266 | 3270 | 3274 | rBV | 349671 | 605475 | 4.02% | 0.317% |
| 90 | 22.768 | 3355 | 3363 | 3367 | rBV | 3943714 | 9486946 | 63.02% | 4.966% |
| 91 | 22.921 | 3385 | 3389 | 3399 | rVB | 832578 | 1451655 | 9.64% | 0.760% |
| 92 | 23.056 | 3407 | 3412 | 3414 | rBV2 | 384984 | 688889 | 4.58% | 0.361% |
| 93 | 23.227 | 3435 | 3441 | 3445 | rBV | 1968974 | 3489221 | 23.18% | 1.826% |
| 94 | 23.274 | 3445 | 3449 | 3452 | rVV | 1167905 | 1972817 | 13.11% | 1.033% |
| 95 | 23.321 | 3452 | 3457 | 3465 | rVB | 3574019 | 6505754 | 43.22% | 3.405% |
| 96 | 23.415 | 3467 | 3473 | 3477 | rVV | 971884 | 1859248 | 12.35% | 0.973% |
| 97 | 23.462 | 3477 | 3481 | 3489 | rVB2 | 895636 | 1850000 | 12.29% | 0.968% |
| 98 | 25.615 | 3839 | 3847 | 3856 | rVB | 1692912 | 4738863 | 31.48% | 2.480% |
| 99 | 25.868 | 3885 | 3890 | 3897 | rVB | 414170 | 976837 | 6.49% | 0.511% |
| 100 | 26.285 | 3953 | 3961 | 3978 | rVB2 | 852624 | 2686778 | 17.85% | 1.406% |

Sum of corrected areas: 191052913

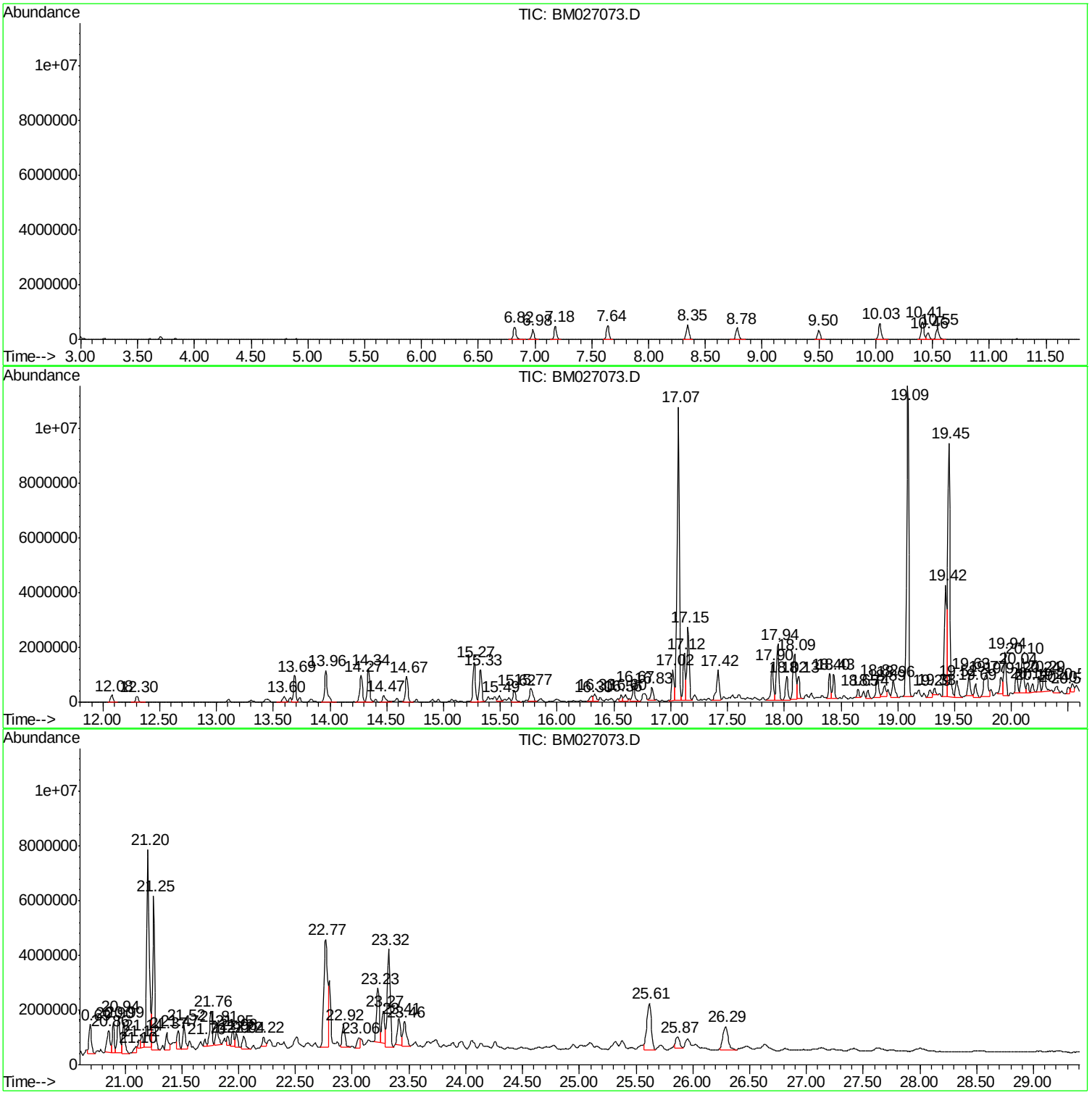
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

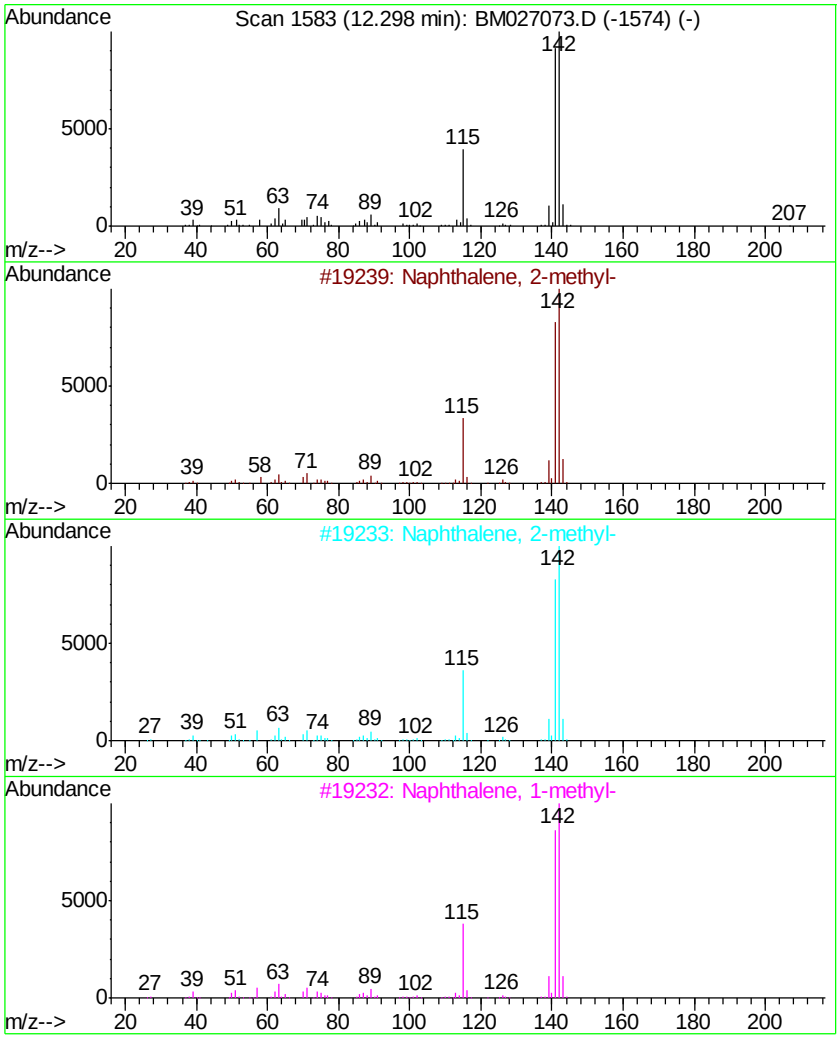
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

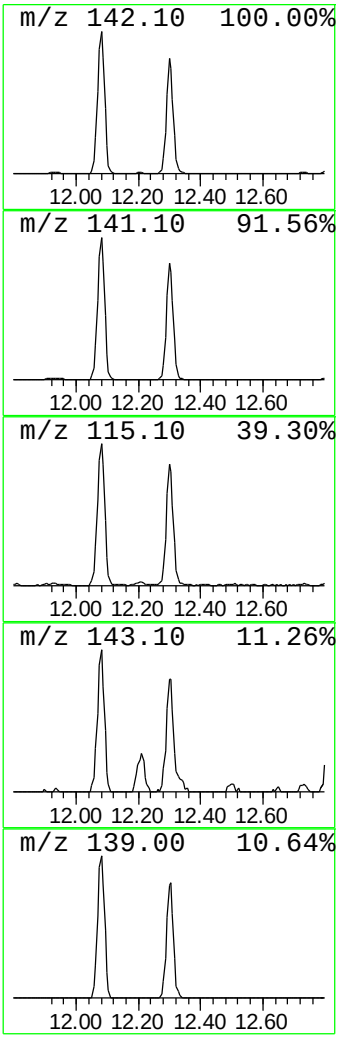
**********

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.30 | 6.28 ng/ul | 342141 | Naphthalene-d8 | 10.41 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 2 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 3 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 4 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 94 |
| 5 | 1,4-Methanonaphthalene, 1,4-dihy... | 142 | C11H10 | 004453-90-1 | 94 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

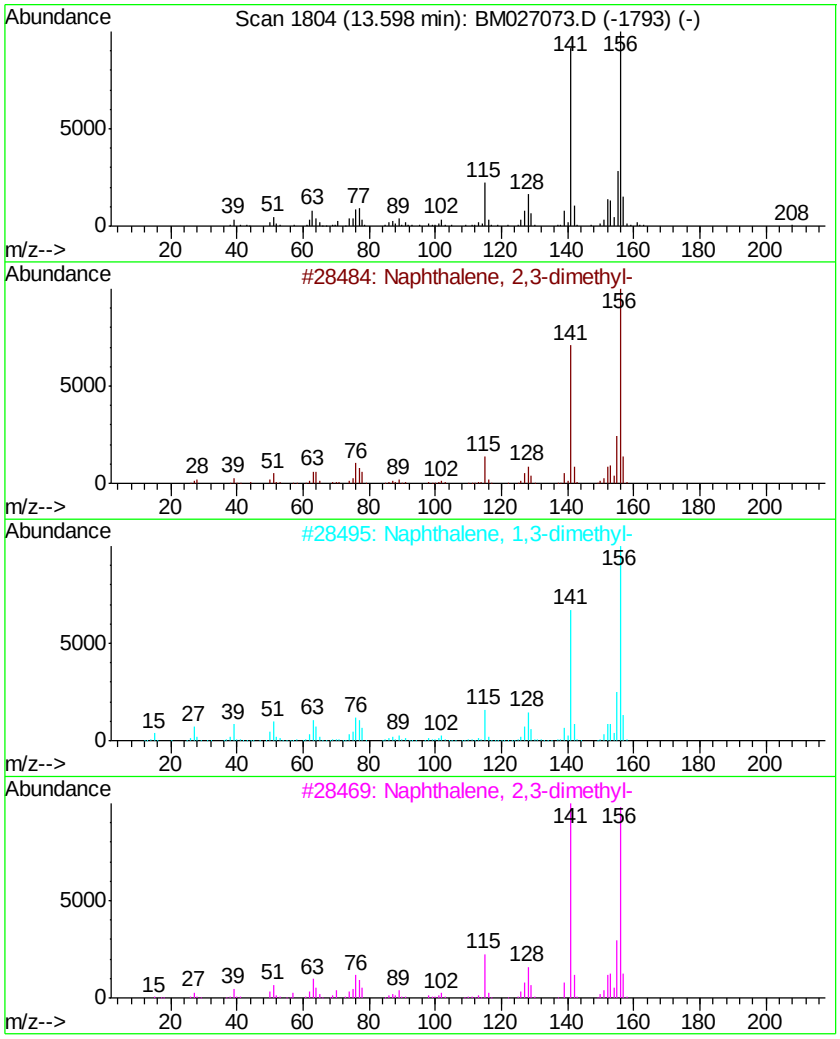
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

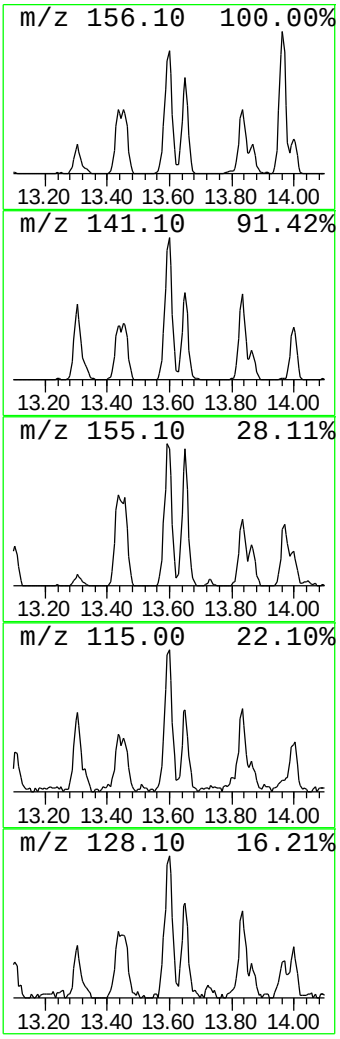
**********

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 22

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.60 | 4.87 ng/ul | 376996 | Acenaphthene-d10 | 14.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 2 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 97 |
| 3 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 97 |
| 5 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

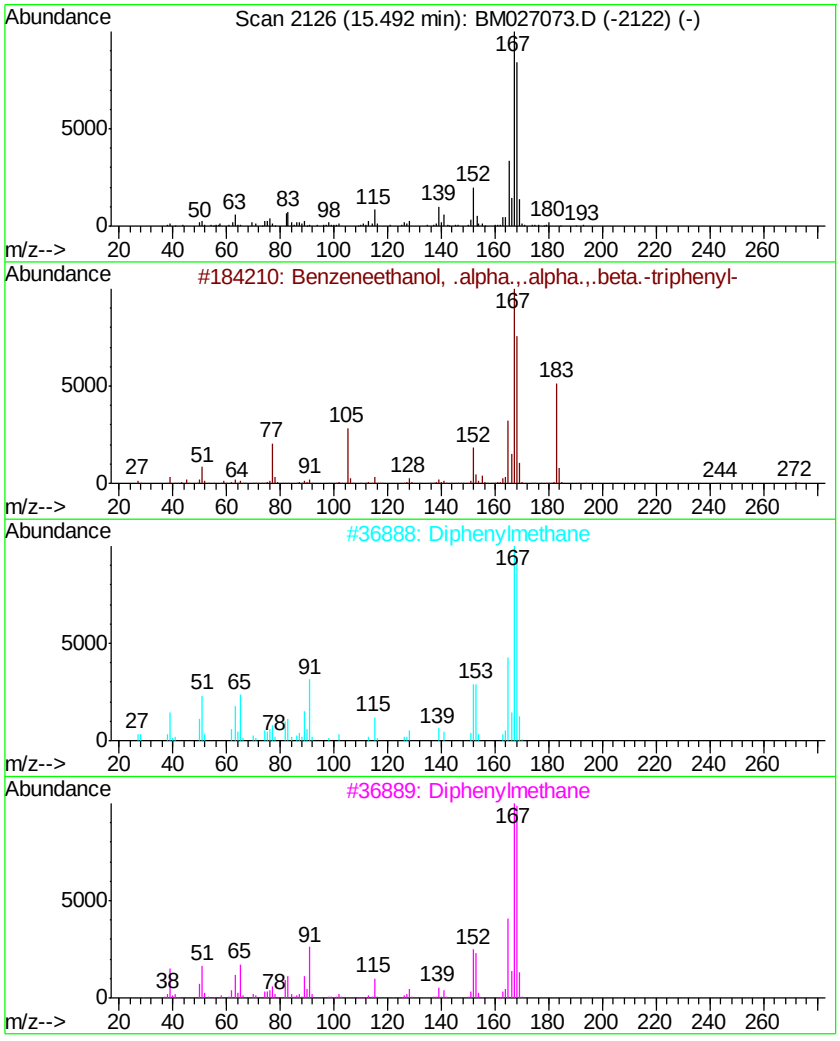
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

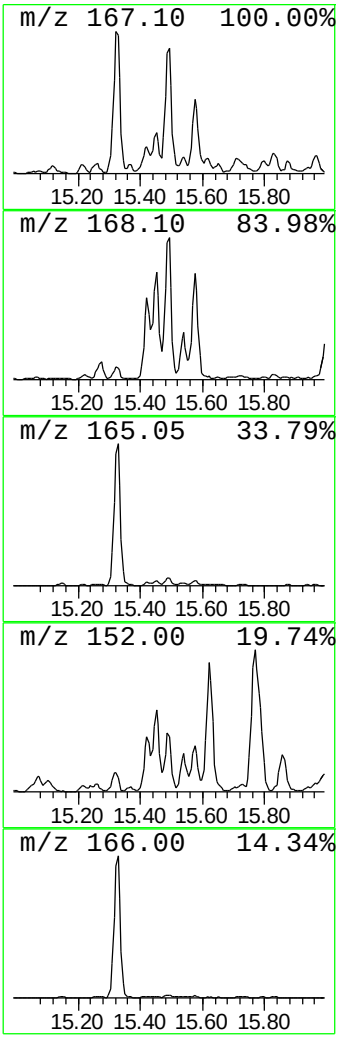
**********

Peak Number 3 Benzeneethanol, .alpha.,.al... Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.49 | 4.36 ng/ul | 337564 | Acenaphthene-d10 | 14.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzeneethanol, .alpha.,.alpha.,... | 350 | C26H22O | 000981-24-8 | 90 |
| 2 | Diphenylmethane | 168 | C13H12 | 000101-81-5 | 74 |
| 3 | Diphenylmethane | 168 | C13H12 | 000101-81-5 | 74 |
| 4 | 1,1'-Biphenyl, 2-methyl- | 168 | C13H12 | 000643-58-3 | 68 |
| 5 | Nordiphenamid | 225 | C15H15NO | 000954-21-2 | 64 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

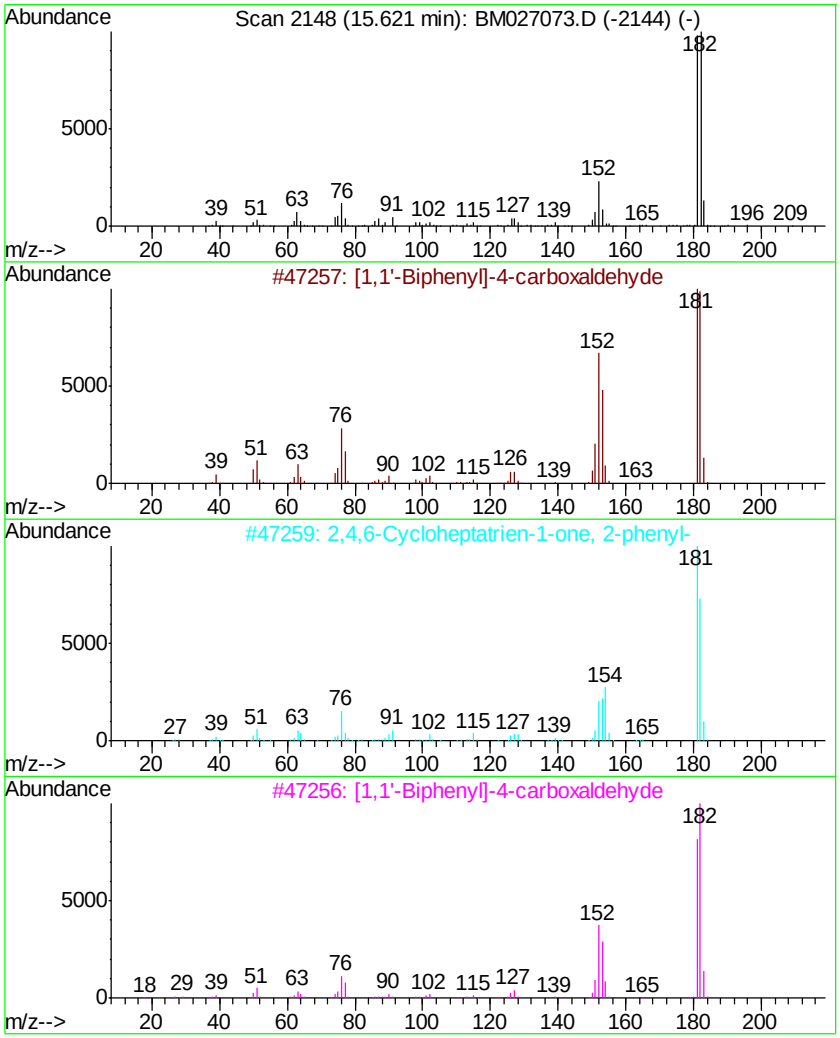
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

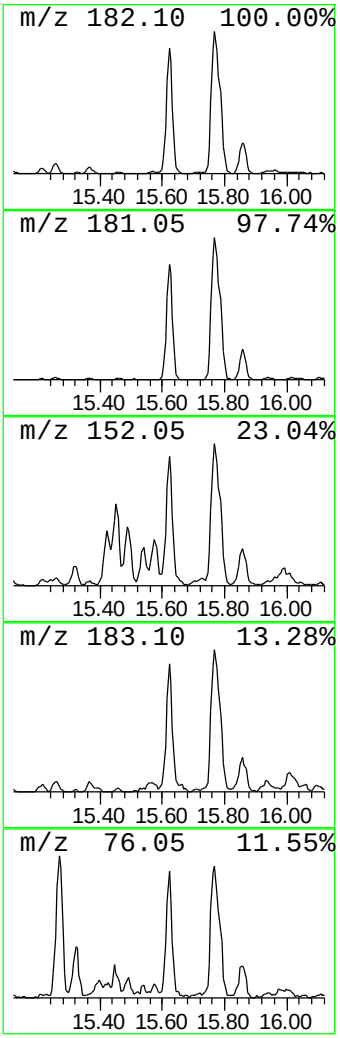
**********

Peak Number 4 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.62 | 8.27 ng/ul | 640418 | Acenaphthene-d10 | 14.27 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 87 |
| 2 | 2,4,6-Cycloheptatrien-1-one, 2-p... | 182 | C13H10O | 014562-09-5 | 86 |
| 3 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 83 |
| 4 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 78 |
| 5 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 78 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

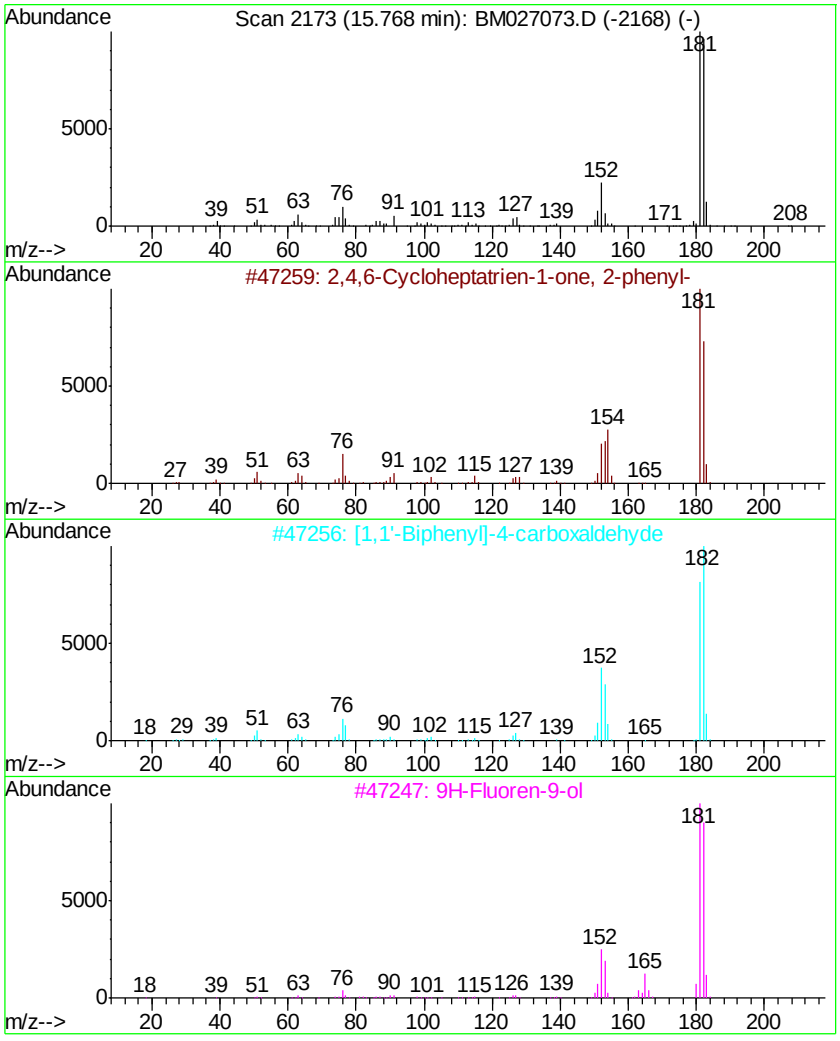
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

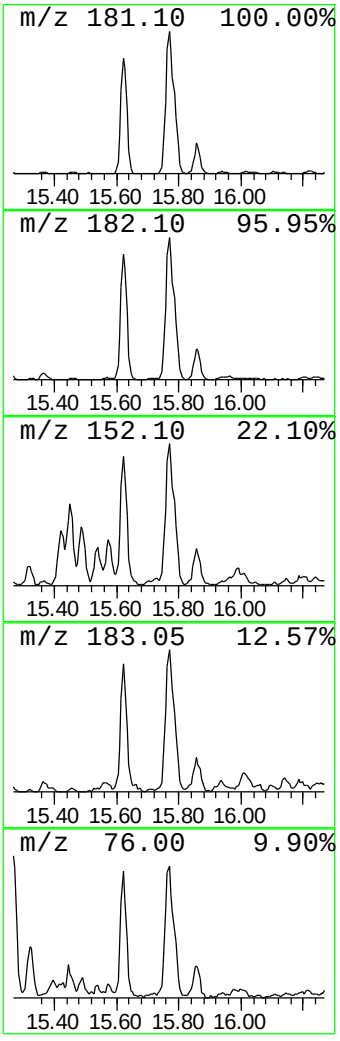
**********

Peak Number 5 2,4,6-Cycloheptatrien-1-one... Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.77 | 11.85 ng/ul | 937947 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4,6-Cycloheptatrien-1-one, 2-p... | 182 | C13H10O | 014562-09-5 | 86 |
| 2 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 83 |
| 3 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 78 |
| 4 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 78 |
| 5 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 72 |



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Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

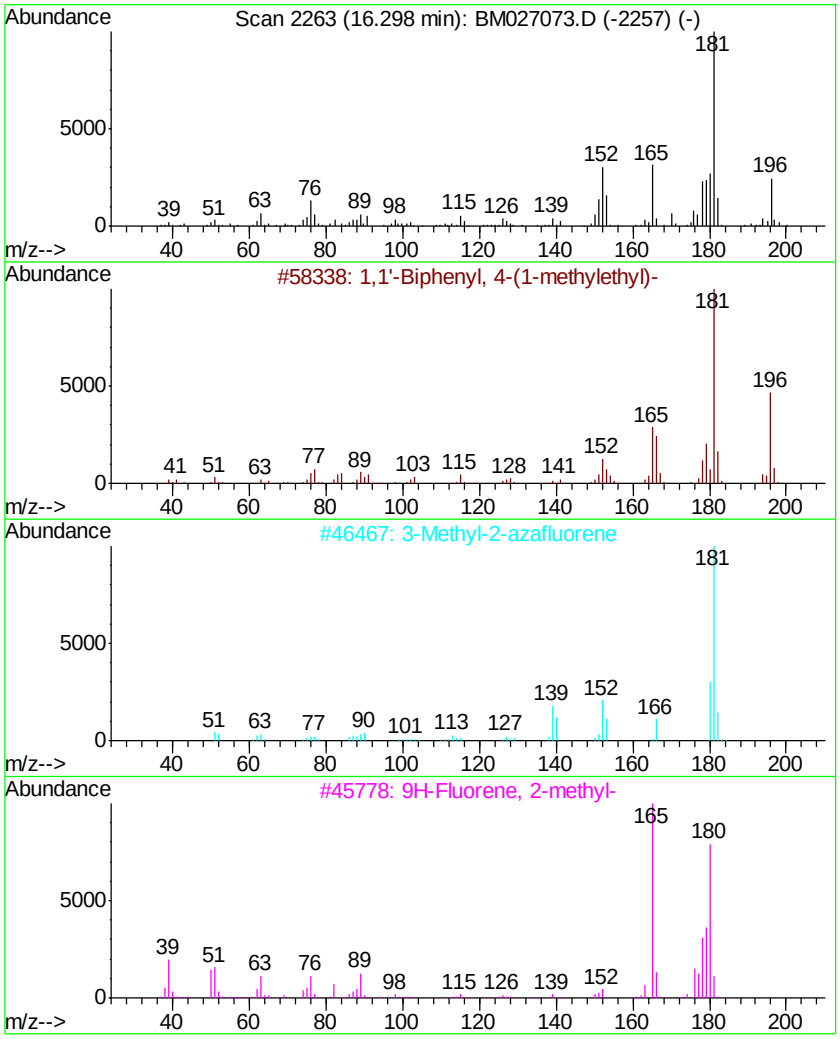
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

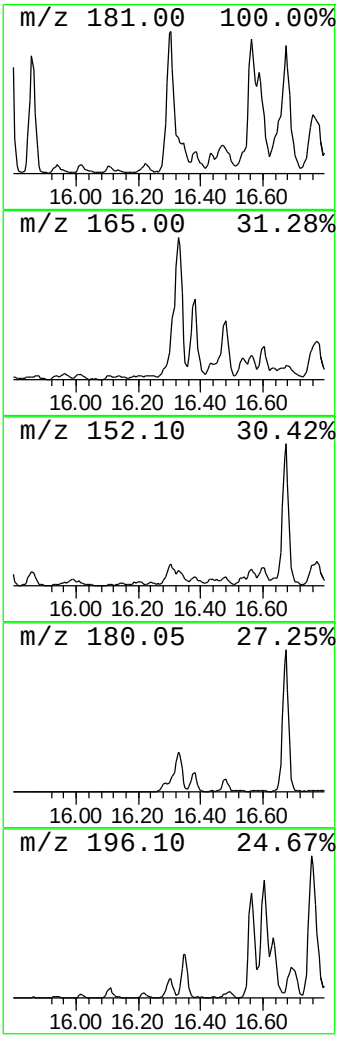
**********

Peak Number 6 1,1'-Biphenyl, 4-(1-methyle... Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.30 | 4.78 ng/ul | 377947 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1'-Biphenyl, 4-(1-methylethyl)- | 196 | C15H16 | 007116-95-2 | 76 |
| 2 | 3-Methyl-2-azafluorene | 181 | C13H11N | 018631-12-4 | 43 |
| 3 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 42 |
| 4 | 9H-Carbazole, 2-methyl- | 181 | C13H11N | 003652-91-3 | 41 |
| 5 | 2-Fluorenamine | 181 | C13H11N | 000153-78-6 | 38 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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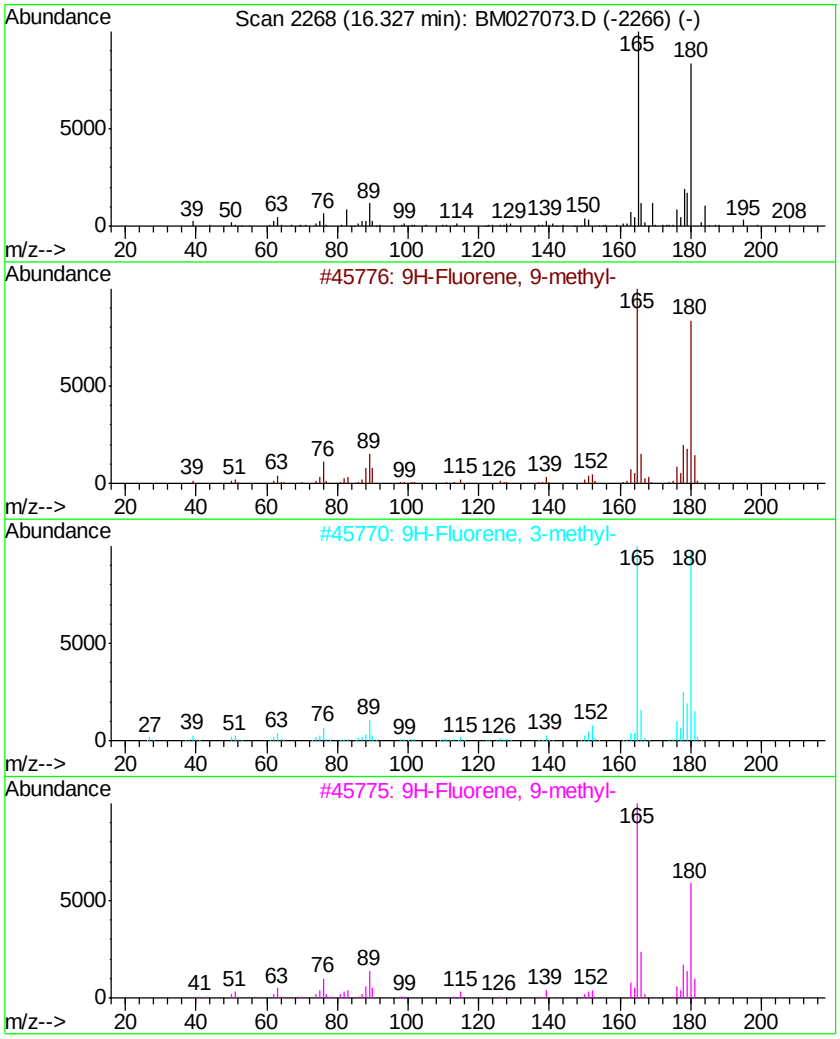
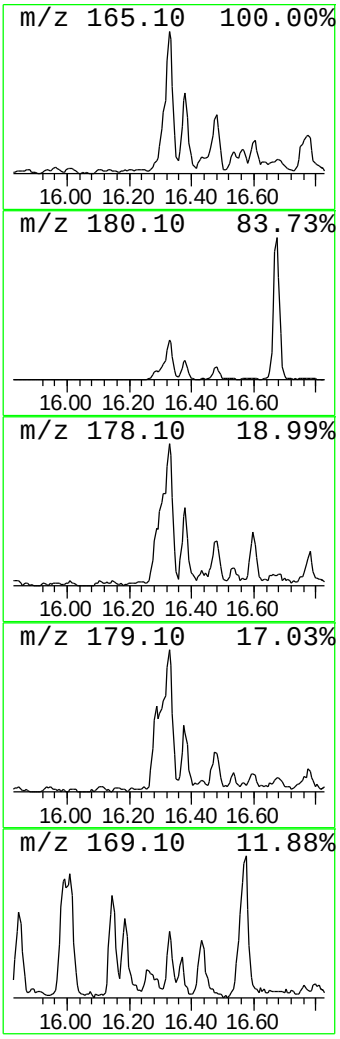
Peak Number 7 9H-Fluorene, 9-methyl- Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.33 | 5.57 ng/ul | 440739 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 87 |
| 2 | 9H-Fluorene, 3-methyl- | 180 | C14H12 | 002523-39-9 | 87 |
| 3 | 9H-Fluorene, 9-methyl- | 180 | C14H12 | 002523-37-7 | 81 |
| 4 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 80 |
| 5 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 68 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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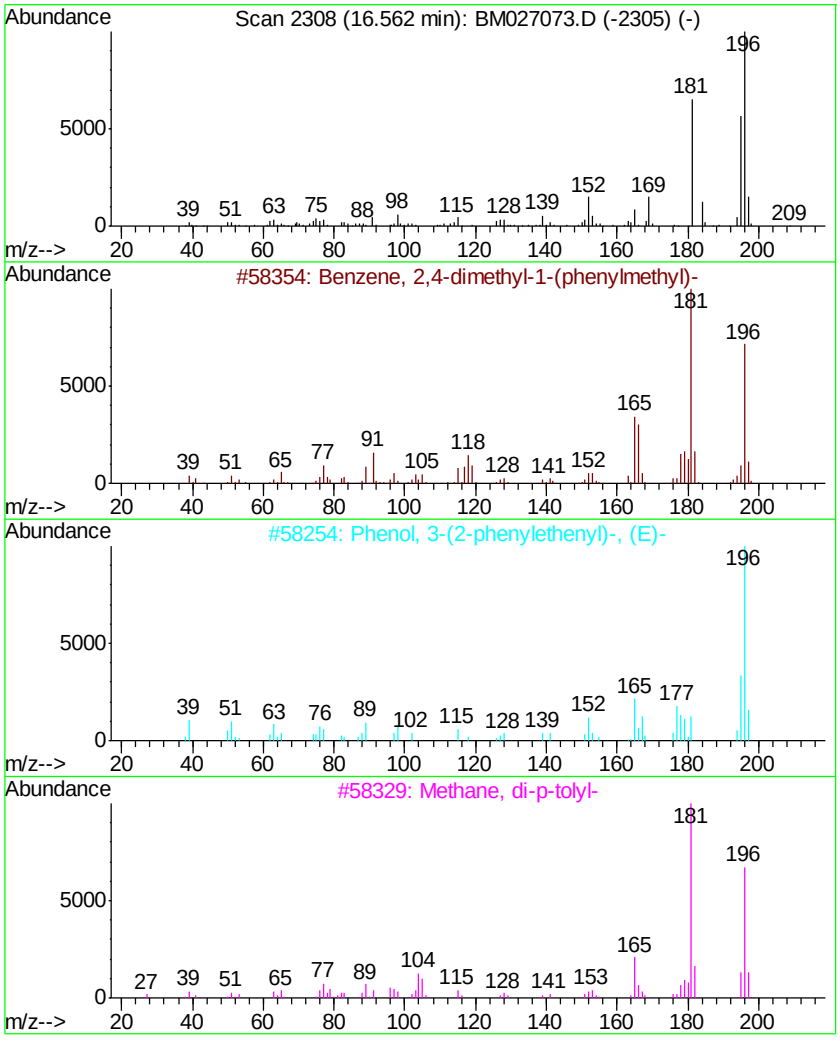
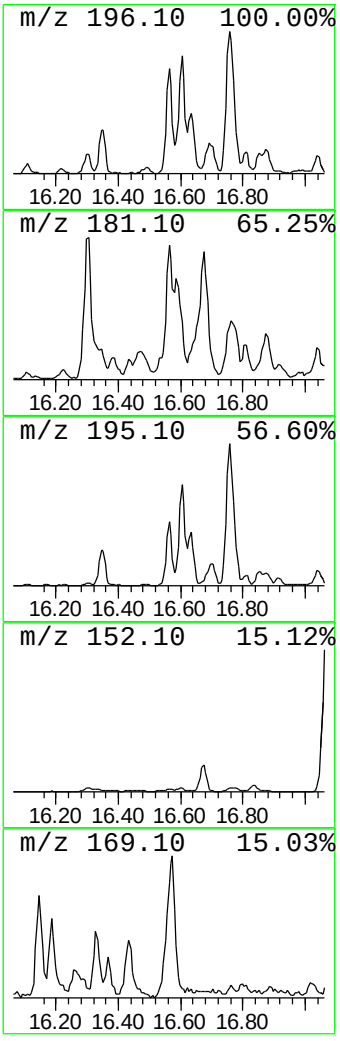
Peak Number 8 Benzene, 2,4-dimethyl-1-(ph... Concentration Rank 25

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.56 | 4.41 ng/ul | 349048 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 2,4-dimethyl-1-(phenylm... | 196 | C15H16 | 028122-28-3 | 53 |
| 2 | Phenol, 3-(2-phenylethenyl)-, (E)- | 196 | C14H12O | 017861-18-6 | 52 |
| 3 | Methane, di-p-tolyl- | 196 | C15H16 | 004957-14-6 | 52 |
| 4 | Benzenamine, 4-[(E)-2-(4-pyridin... | 196 | C13H12N2 | 1000351-61-4 | 52 |
| 5 | 9H-Fluorene, 2-methoxy- | 196 | C14H12O | 002523-46-8 | 50 |



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Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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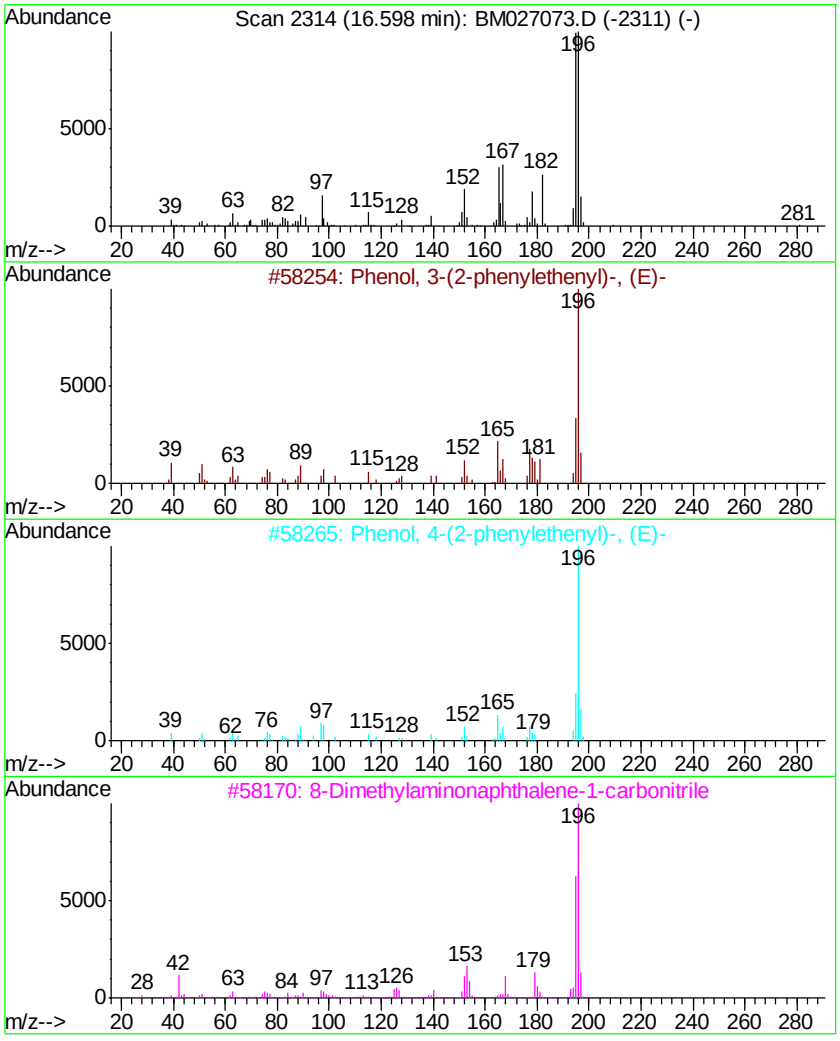
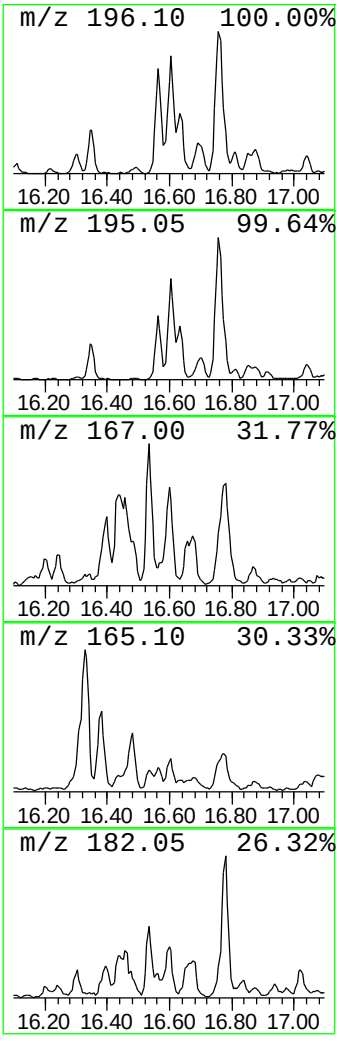
Peak Number 9 Phenol, 3-(2-phenylethenyl)... Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.60 | 4.96 ng/ul | 392436 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 3-(2-phenylethenyl)-, (E)- | 196 | C14H12O | 017861-18-6 | 58 |
| 2 | Phenol, 4-(2-phenylethenyl)-, (E)- | 196 | C14H12O | 006554-98-9 | 58 |
| 3 | 8-Dimethylaminonaphthalene-1-car... | 196 | C13H12N2 | 128644-69-9 | 50 |
| 4 | Phenol, 4-(2-phenylethenyl)- | 196 | C14H12O | 003839-46-1 | 46 |
| 5 | 9-Anthracenamine, 9,10-dihydro- | 195 | C14H13N | 097825-91-7 | 46 |



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Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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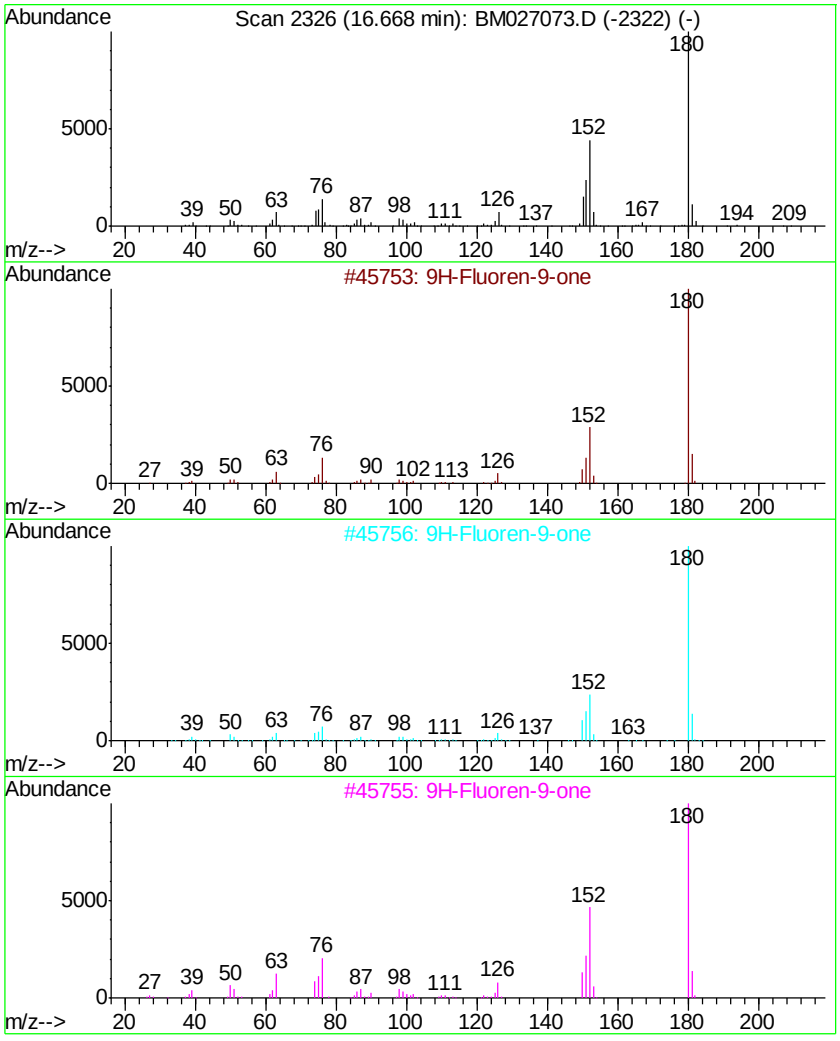
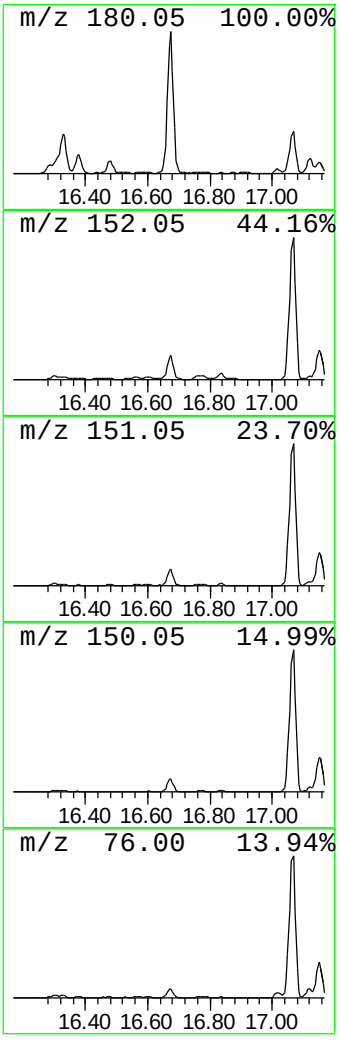
Peak Number 10 9H-Fluoren-9-one Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.67 | 11.34 ng/ul | 897619 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 95 |
| 2 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 95 |
| 3 | 9H-Fluoren-9-one | 180 | C13H8O | 000486-25-9 | 94 |
| 4 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 58 |
| 5 | Benzo[h]cinnoline | 180 | C12H8N2 | 000230-31-9 | 50 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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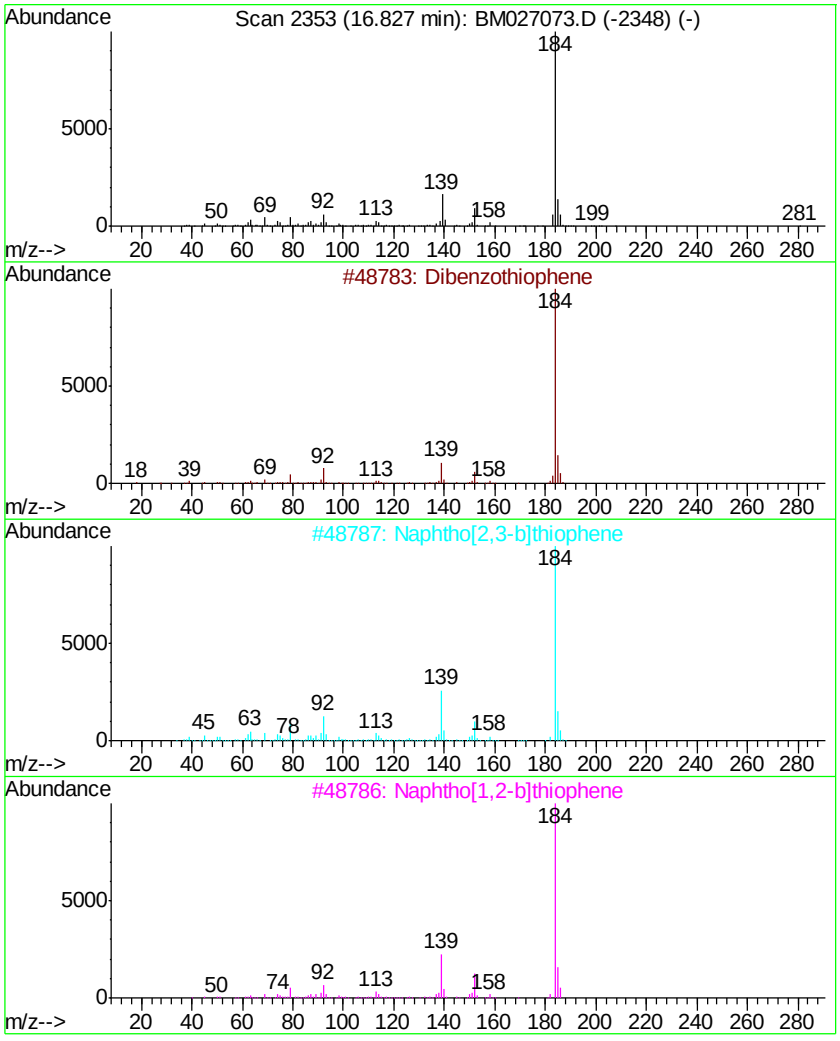
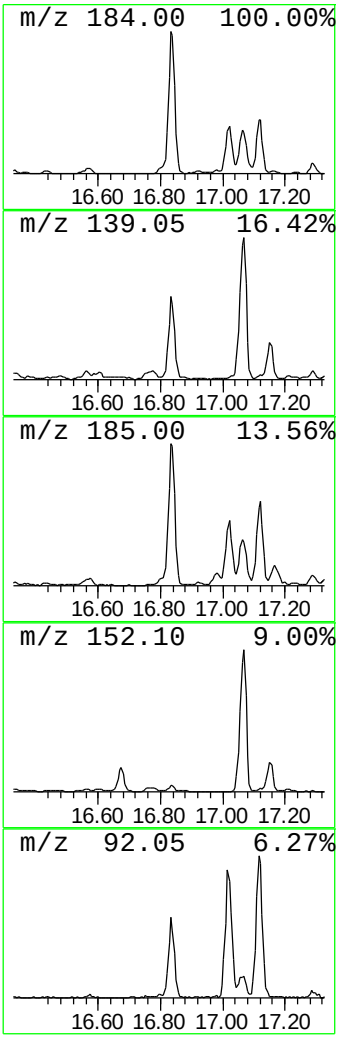
Peak Number 11 Dibenzothiophene Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.83 | 8.01 ng/ul | 633825 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 95 |
| 2 | Naphtho[2,3-b]thiophene | 184 | C12H8S | 000268-77-9 | 95 |
| 3 | Naphtho[1,2-b]thiophene | 184 | C12H8S | 000234-41-3 | 94 |
| 4 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 94 |
| 5 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 94 |



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Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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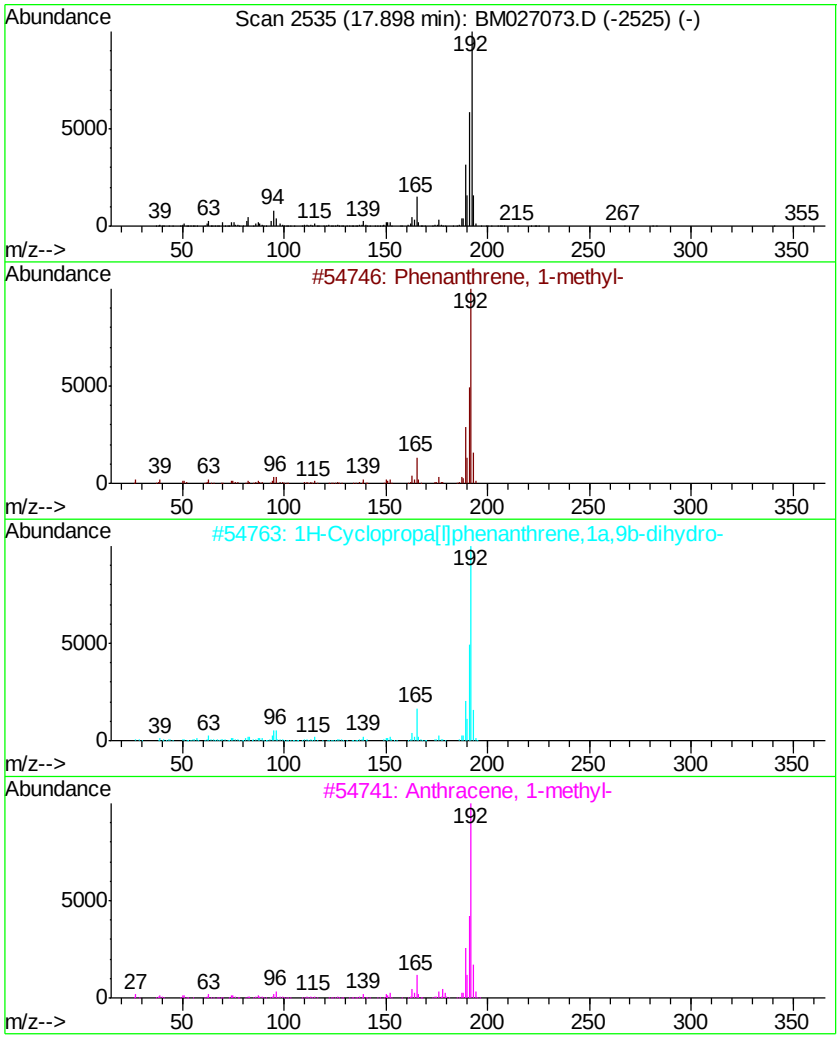
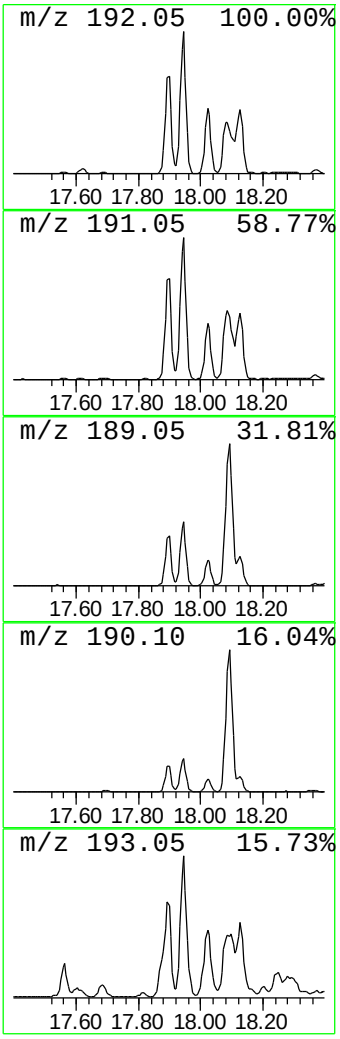
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.90 | 24.95 ng/ul | 1974510 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 2 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 95 |
| 3 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 95 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 94 |
| 5 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 94 |



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Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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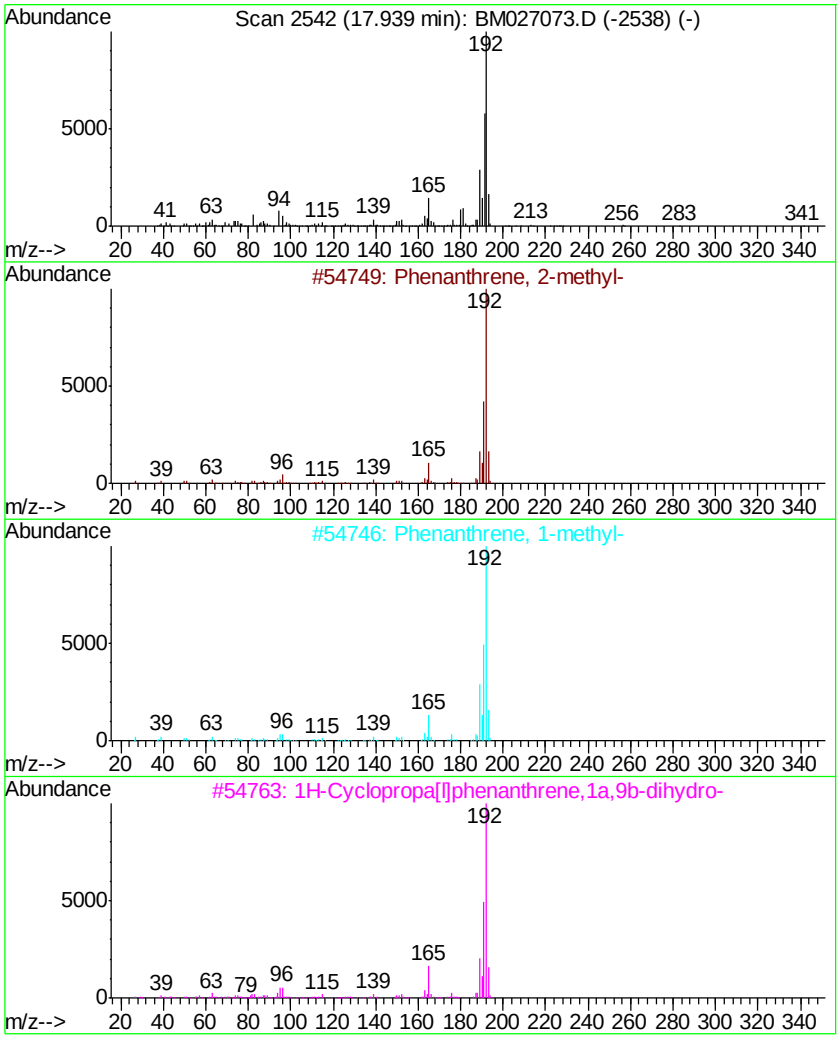
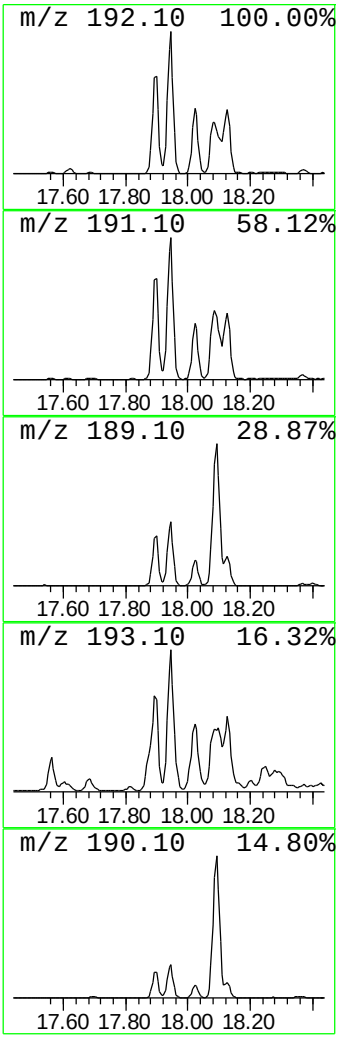
Peak Number 13 Phenanthrene, 2-methyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.94 | 37.65 ng/ul | 2980080 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 97 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 3 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 96 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 5 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 95 |



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Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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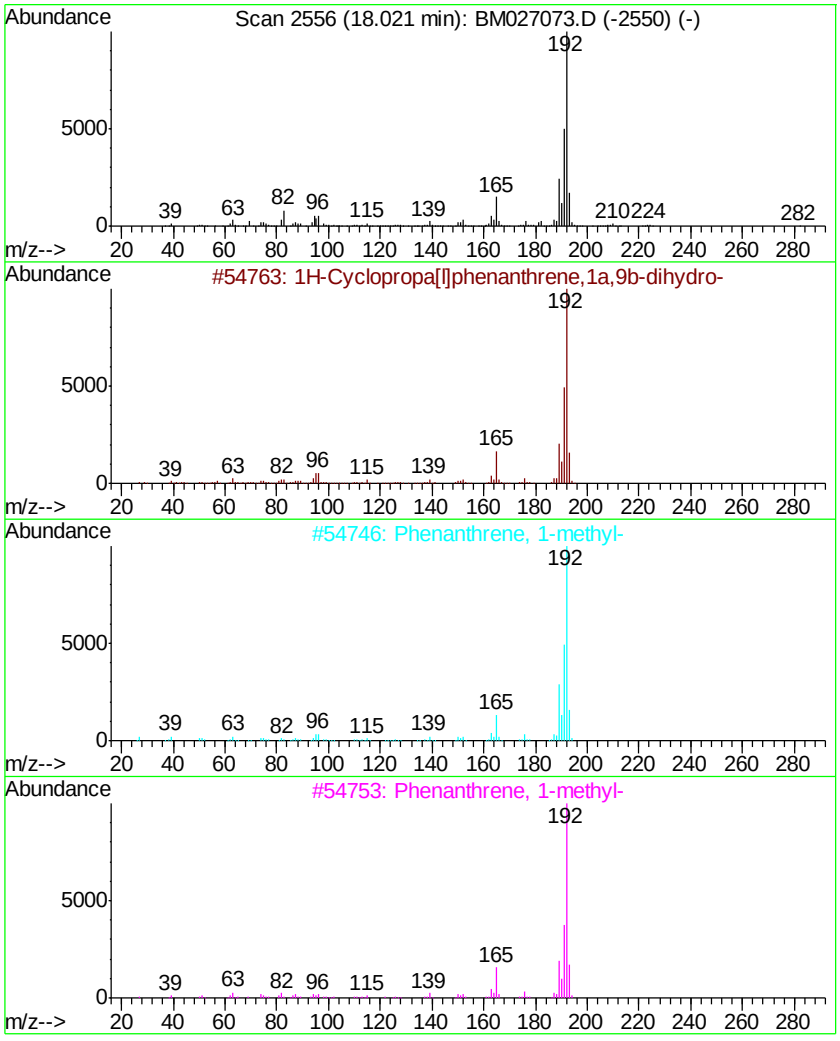
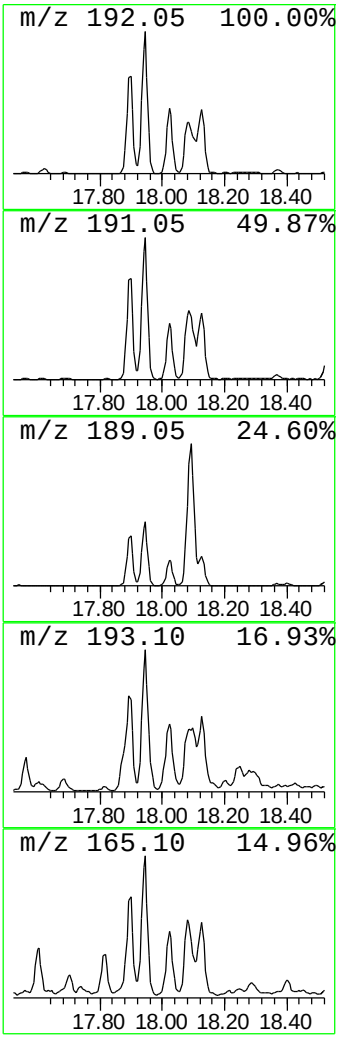
Peak Number 14 1H-Cyclopropa[l]phenanthren... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.02 | 16.18 ng/ul | 1280400 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Cyclopropa[l]phenanthrene,1a,... | 192 | C15H12 | 000949-41-7 | 98 |
| 2 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 97 |
| 3 | Phenanthrene, 1-methyl- | 192 | C15H12 | 000832-69-9 | 96 |
| 4 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 96 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 96 |



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Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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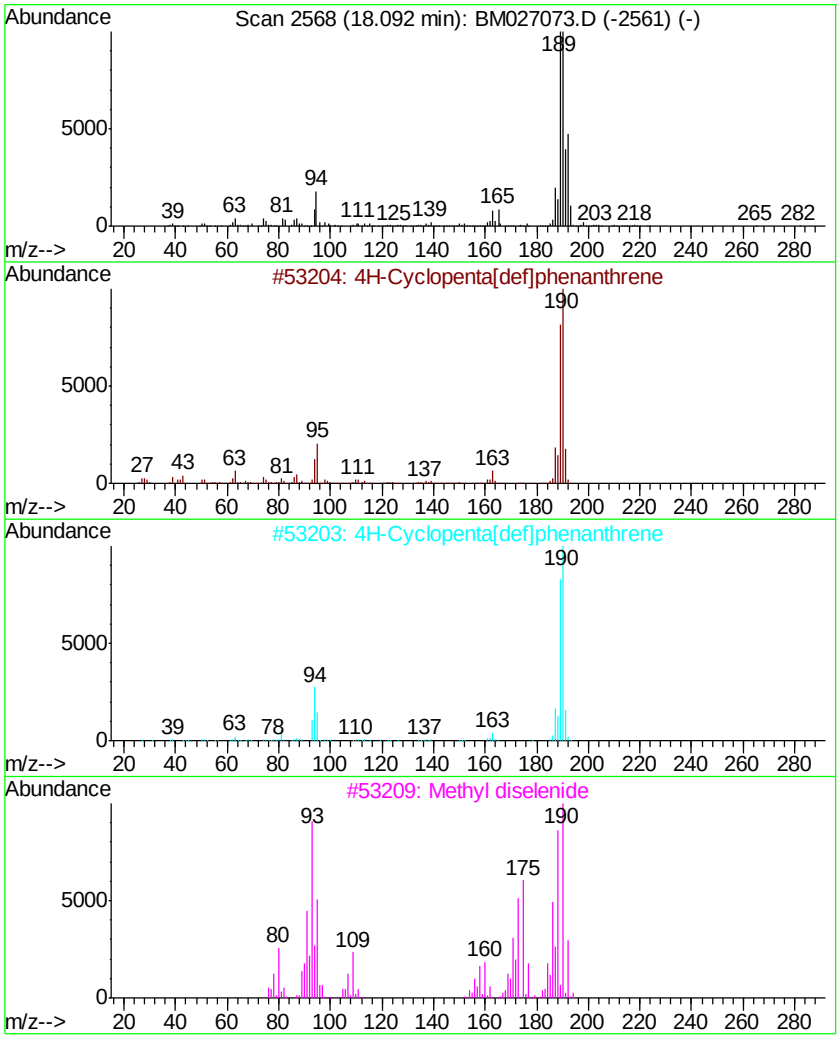
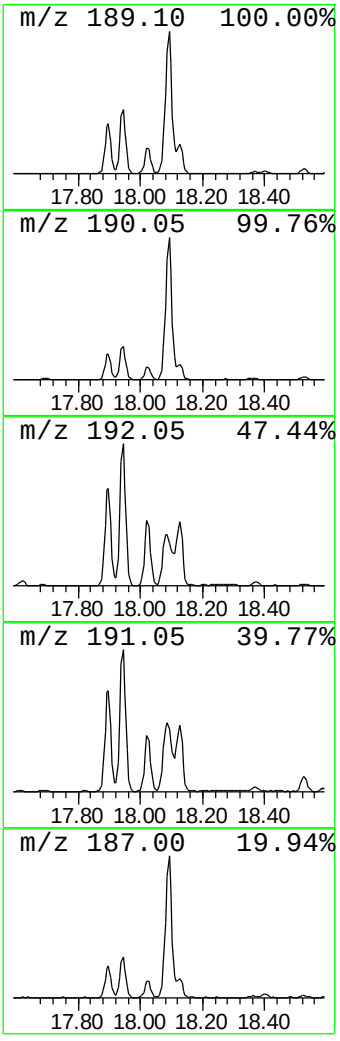
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.09 | 36.99 ng/ul | 2927590 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 60 |
| 2 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 58 |
| 3 | Methyl diselenide | 190 | C2H6Se2 | 007101-31-7 | 45 |
| 4 | 6H-Cyclobuta[jk]phenanthrene | 190 | C15H10 | 083469-43-6 | 40 |
| 5 | 4H-Cyclopenta[def]phenanthrene | 190 | C15H10 | 000203-64-5 | 38 |



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Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

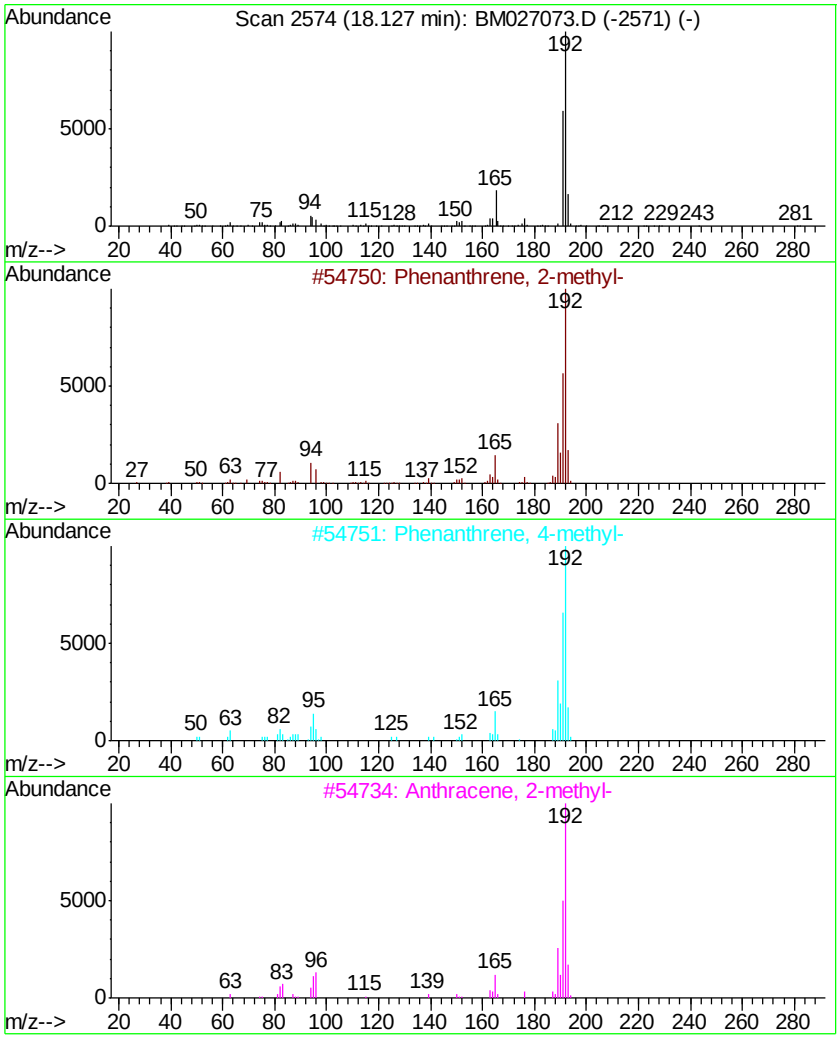
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

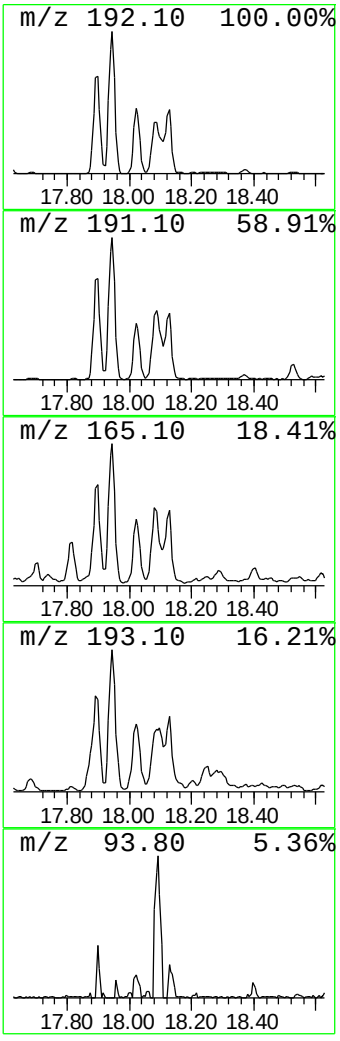
**********

Peak Number 16 Phenanthrene, 4-methyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.13 | 13.52 ng/ul | 1069940 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2-methyl- | 192 | C15H12 | 002531-84-2 | 94 |
| 2 | Phenanthrene, 4-methyl- | 192 | C15H12 | 000832-64-4 | 91 |
| 3 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 91 |
| 4 | Anthracene, 1-methyl- | 192 | C15H12 | 000610-48-0 | 91 |
| 5 | Anthracene, 2-methyl- | 192 | C15H12 | 000613-12-7 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

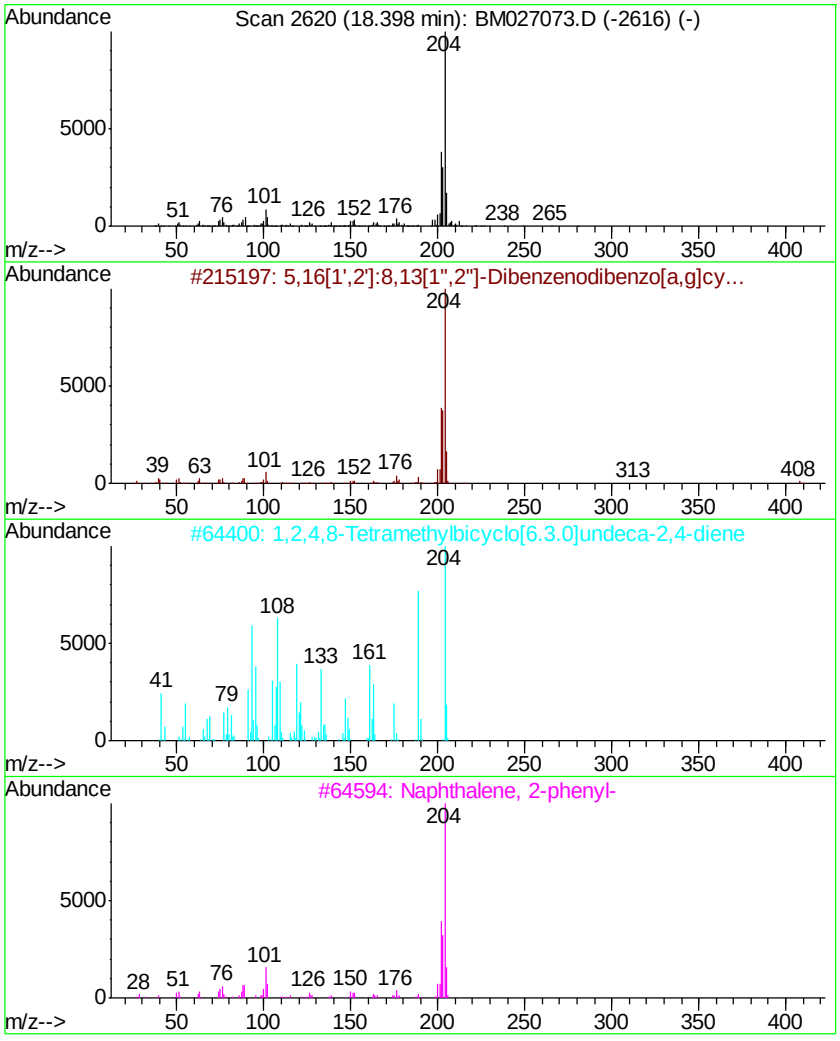
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

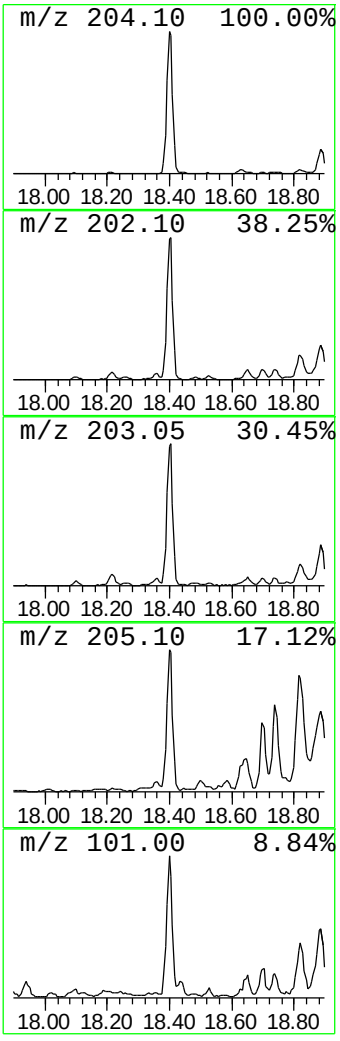
**********

Peak Number 17 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.40 | 14.78 ng/ul | 1169700 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,16[1',2']:8,13[1'',2'']-Dibenz... | 408 | C32H24 | 005672-97-9 | 87 |
| 2 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 86 |
| 3 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 86 |
| 4 | Naphthalene, 2-phenyl- | 204 | C16H12 | 000612-94-2 | 70 |
| 5 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 70 |



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Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

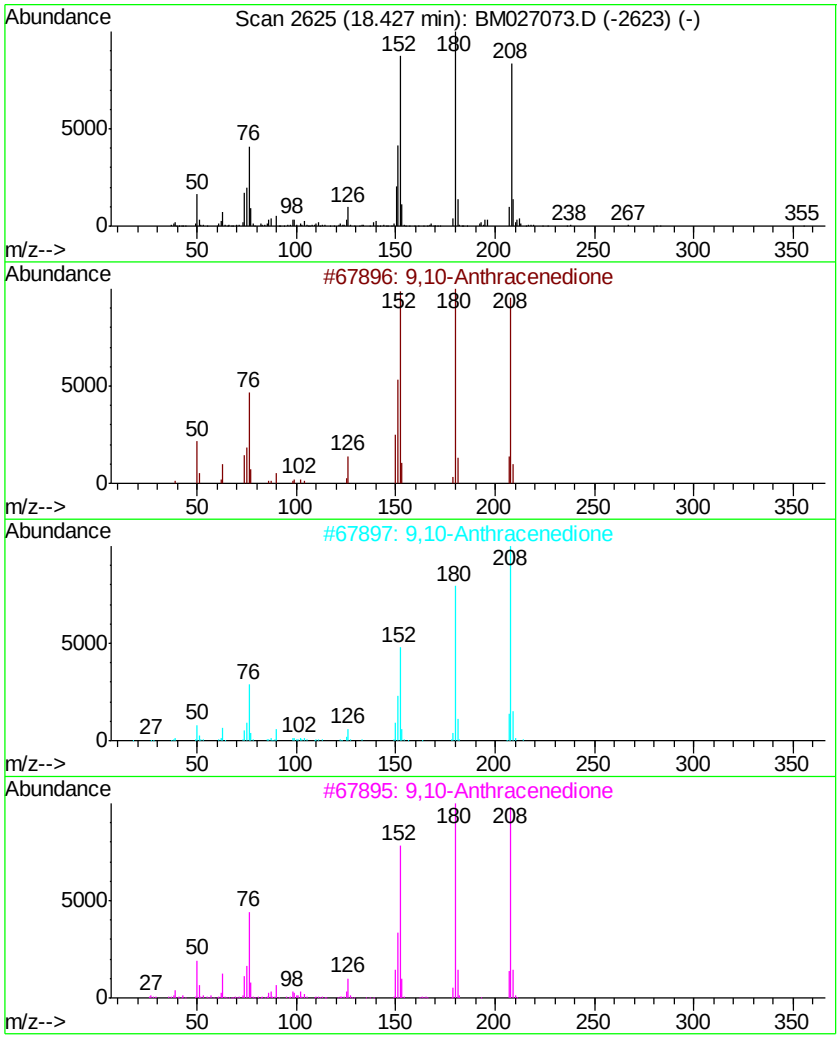
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

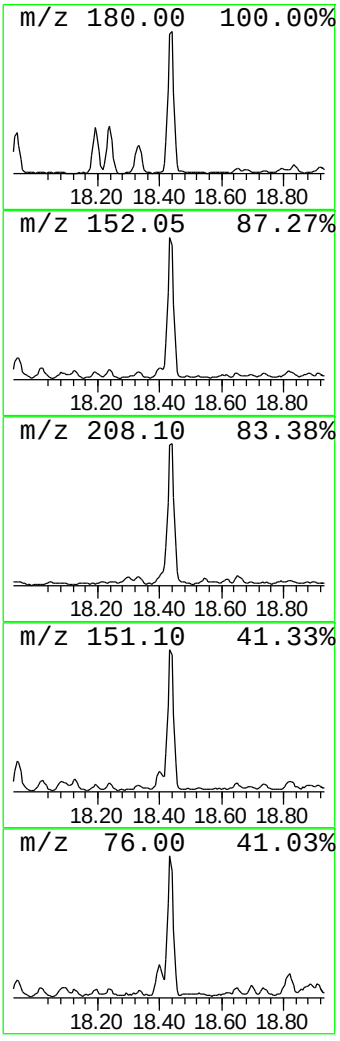
**********

Peak Number 18 9,10-Anthracenedione Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.43 | 14.51 ng/ul | 1148220 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 98 |
| 2 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 95 |
| 3 | 9,10-Anthracenedione | 208 | C14H8O2 | 000084-65-1 | 94 |
| 4 | Benzo[c]cinnoline | 180 | C12H8N2 | 000230-17-1 | 83 |
| 5 | 1H-Phenalen-1-one | 180 | C13H8O | 000548-39-0 | 64 |



# Library Search Compound Report

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Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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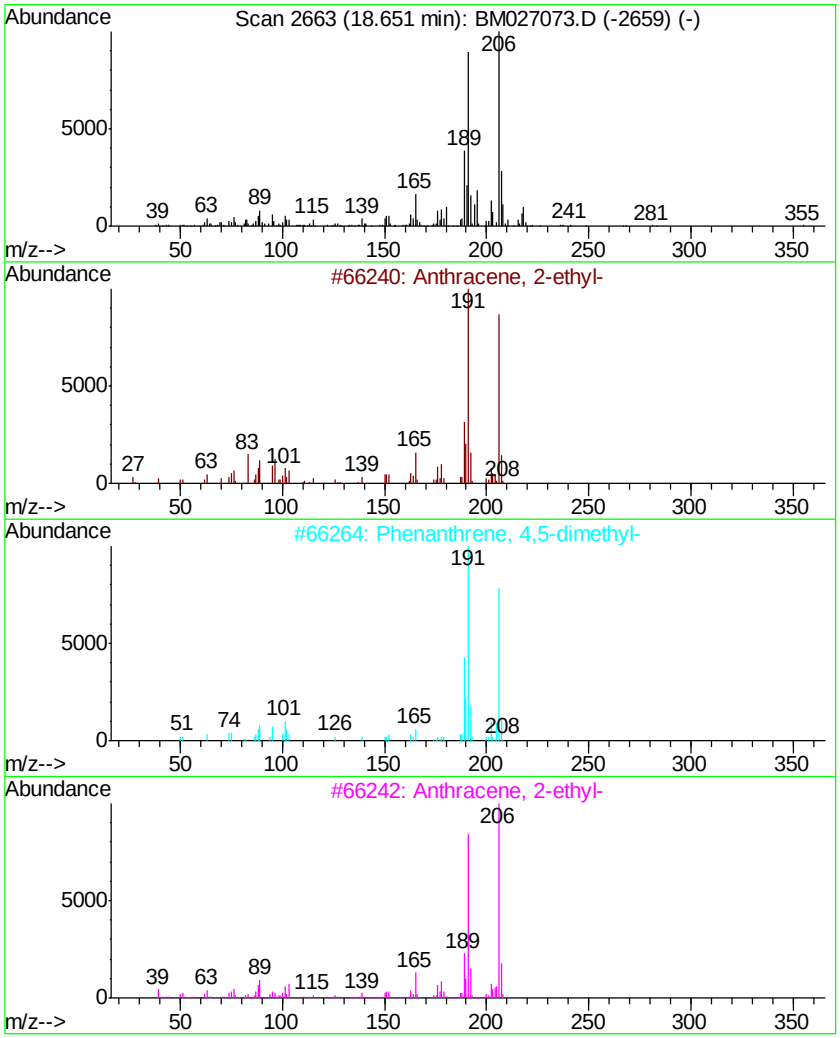
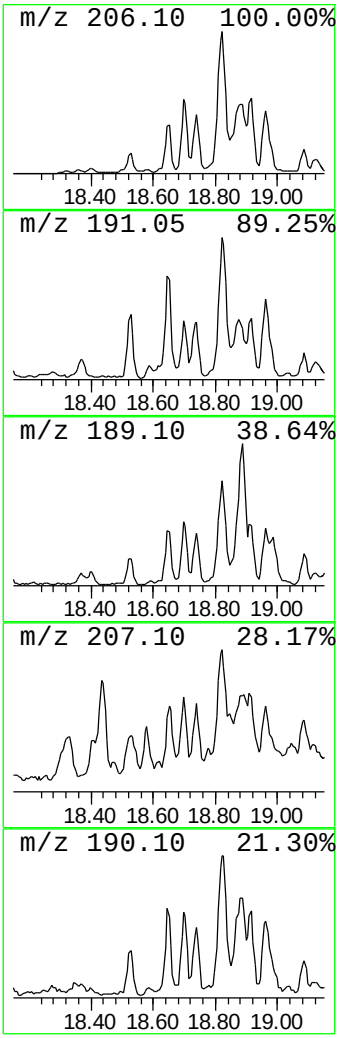
Peak Number 19 Anthracene, 2-ethyl- Concentration Rank 24

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.65 | 4.62 ng/ul | 365483 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Anthracene, 2-ethyl- | 206 | C16H14 | 052251-71-5 | 90 |
| 2 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 90 |
| 3 | Anthracene, 2-ethyl- | 206 | C16H14 | 052251-71-5 | 86 |
| 4 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 81 |
| 5 | Phenanthrene, 4,5-dimethyl- | 206 | C16H14 | 003674-69-9 | 81 |



# Library Search Compound Report

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Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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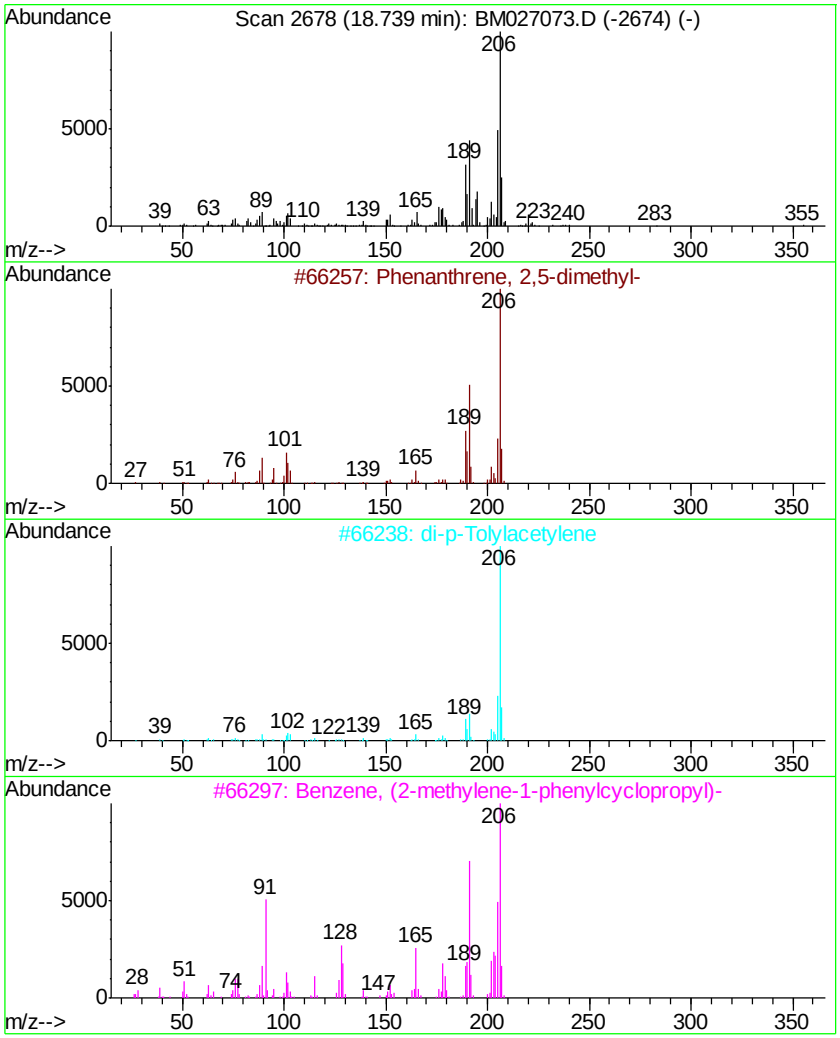
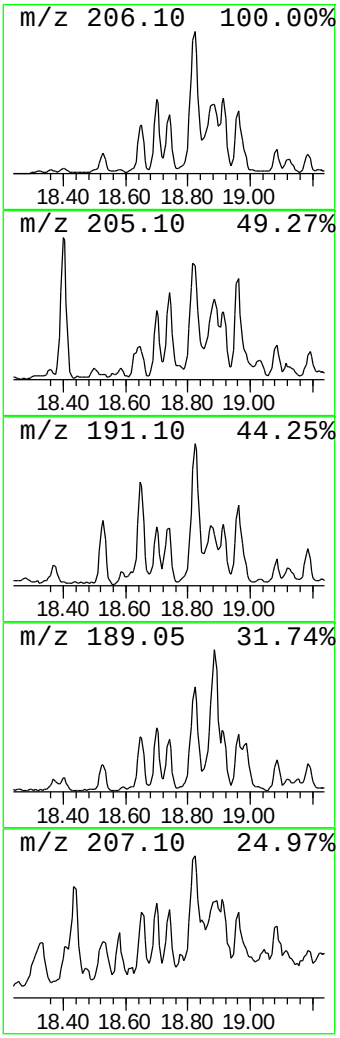
Peak Number 20 Phenanthrene, 2,5-dimethyl- Concentration Rank 20

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.74 | 5.27 ng/ul | 416998 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 2 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 89 |
| 3 | Benzene, (2-methylene-1-phenylcy... | 206 | C16H14 | 025152-47-0 | 76 |
| 4 | [14]Annulene, 1,6:8,13-bis(metha... | 206 | C16H14 | 085385-68-8 | 74 |
| 5 | Benzene, 1,1'-(1,3-butadienylide... | 206 | C16H14 | 004165-81-5 | 74 |



# Library Search Compound Report

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Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

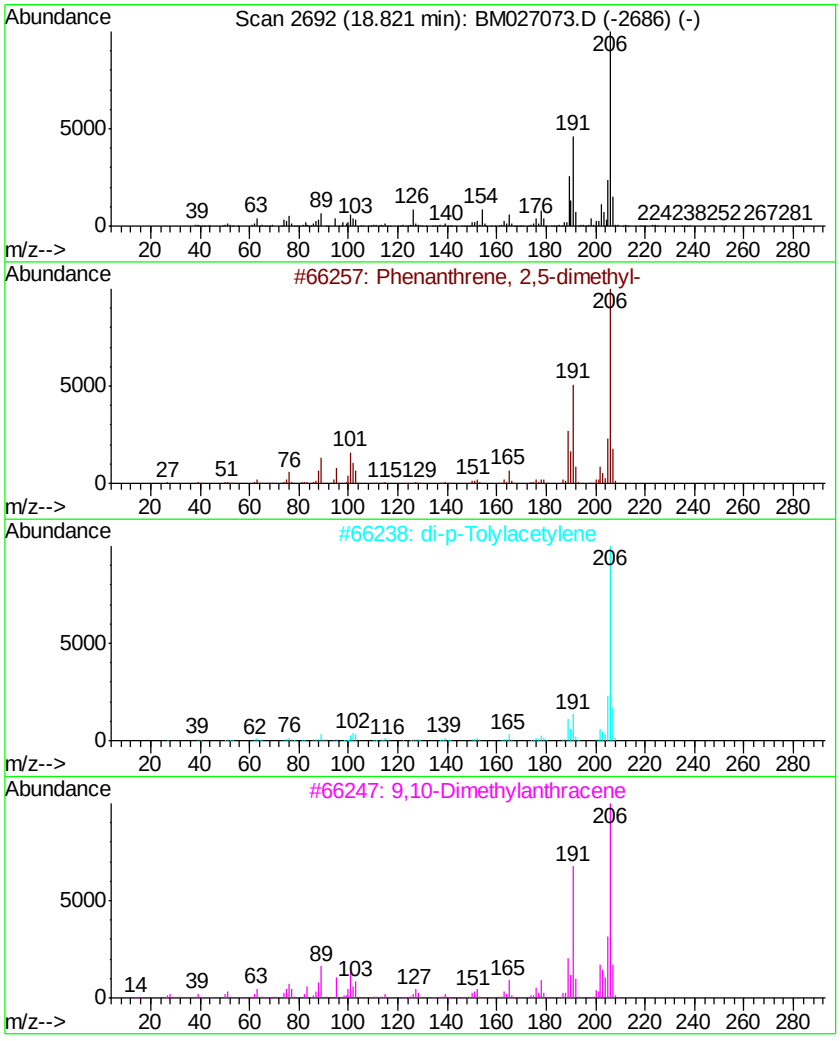
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

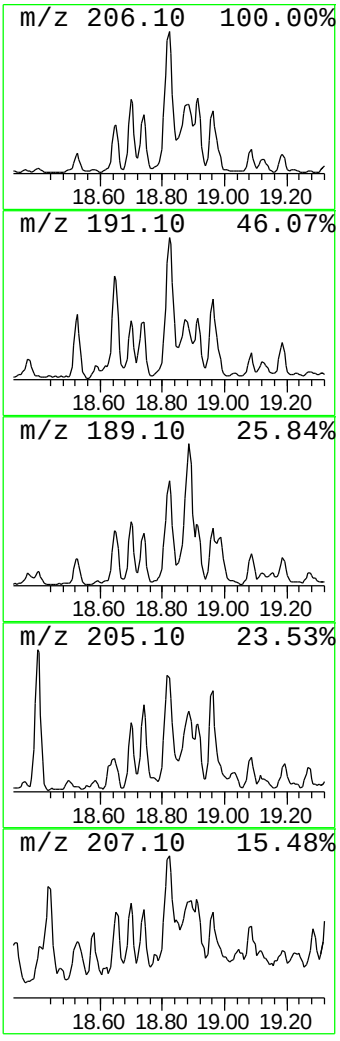
**********

Peak Number 21 di-p-Tolylacetylene Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.82 | 14.58 ng/ul | 1153950 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenanthrene, 2,5-dimethyl- | 206 | C16H14 | 003674-66-6 | 93 |
| 2 | di-p-Tolylacetylene | 206 | C16H14 | 002789-88-0 | 91 |
| 3 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 91 |
| 4 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 90 |
| 5 | Phenanthrene, 1,7-dimethyl- | 206 | C16H14 | 000483-87-4 | 90 |



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Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

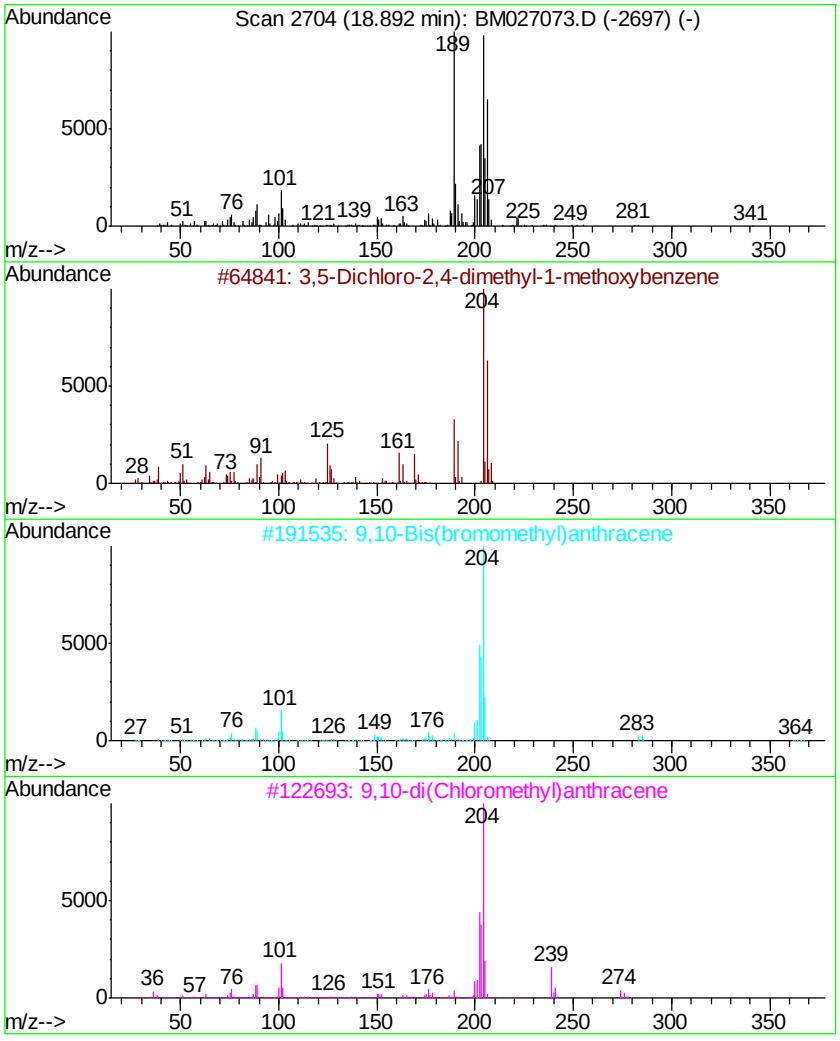
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

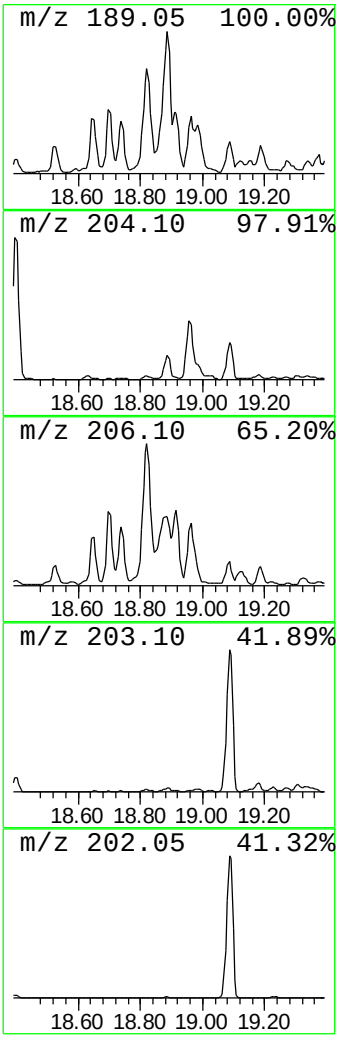
**********

Peak Number 22 unknown-01 Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.89 | 9.32 ng/ul | 737696 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,5-Dichloro-2,4-dimethyl-1-meth... | 204 | C9H10Cl2O | 1000250-17-8 | 43 |
| 2 | 9,10-Bis(bromomethyl)anthracene | 362 | C16H12Br2 | 034373-96-1 | 43 |
| 3 | 9,10-di(Chloromethyl)anthracene | 274 | C16H12Cl2 | 010387-13-0 | 38 |
| 4 | Tricyclo[8.2.2.2(4,7)]hexadeca-2... | 204 | C16H12 | 006572-60-7 | 38 |
| 5 | Pyrene, 4,5,9,10-tetrahydro- | 206 | C16H14 | 000781-17-9 | 38 |



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Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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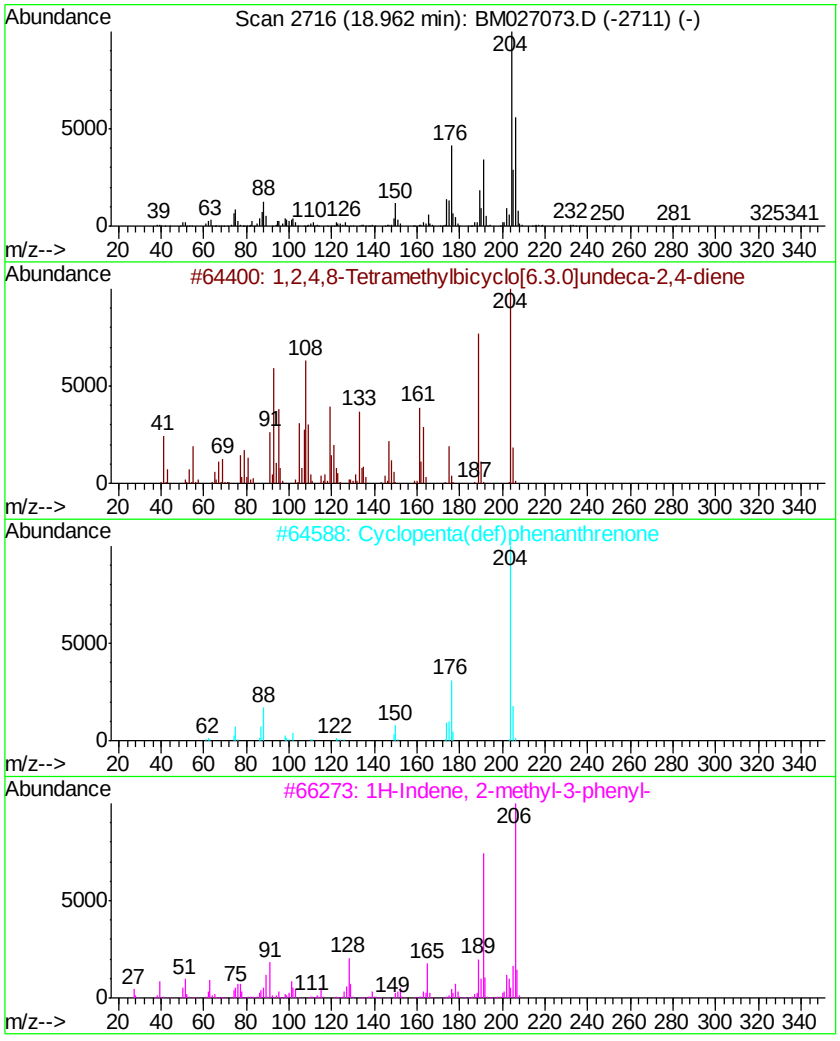
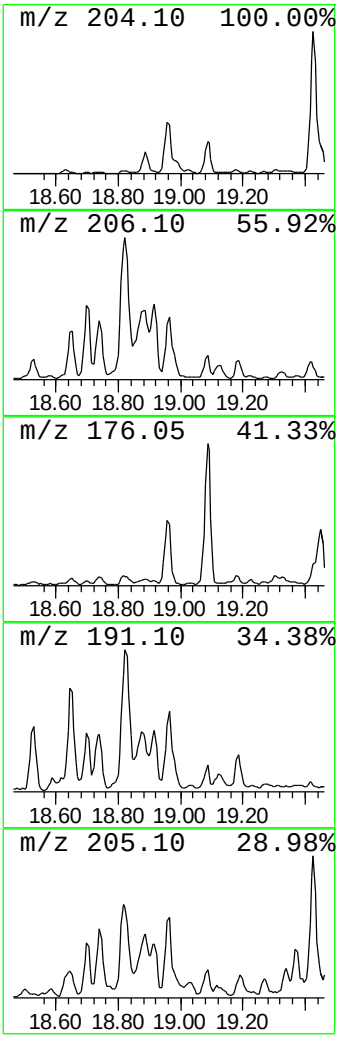
Peak Number 23 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.96 | 14.07 ng/ul | 1113300 | Phenanthrene-d10 | 17.02 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,2,4,8-Tetramethylbicyclo[6.3.0... | 204 | C15H24 | 137235-51-9 | 83 |
| 2 | Cyclopenta(def)phenanthrenone | 204 | C15H8O | 005737-13-3 | 70 |
| 3 | 1H-Indene, 2-methyl-3-phenyl- | 206 | C16H14 | 035099-60-6 | 47 |
| 4 | 9,10-Dimethylanthracene | 206 | C16H14 | 000781-43-1 | 42 |
| 5 | Phenanthrene, 2,3-dimethyl- | 206 | C16H14 | 003674-65-5 | 38 |



# Library Search Compound Report

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Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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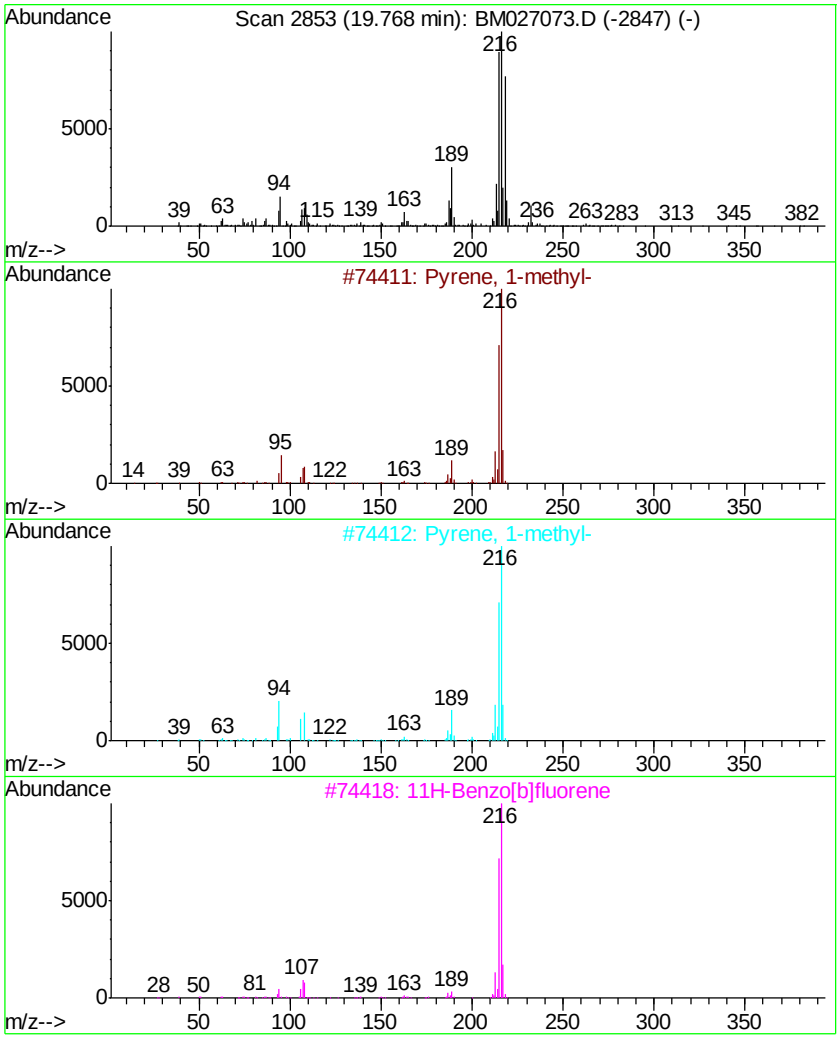
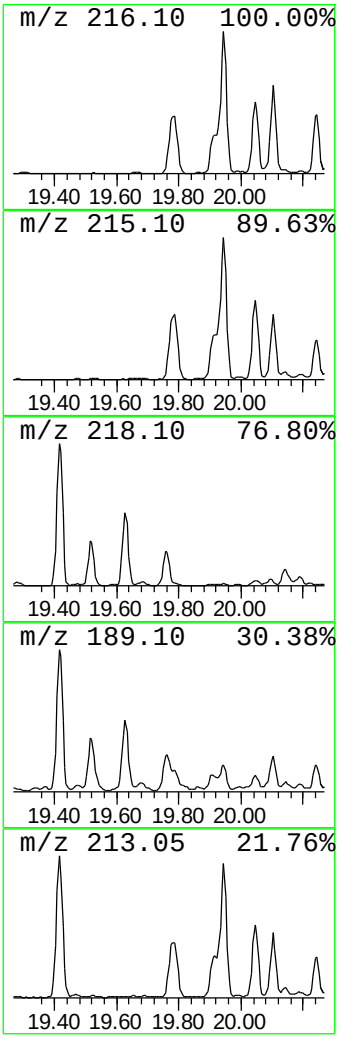
Peak Number 24 Pyrene, 1-methyl- Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.77 | 3.63 ng/ul | 2122240 | Chrysene-d12 | 21.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 96 |
| 2 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 95 |
| 3 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 4 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 90 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 89 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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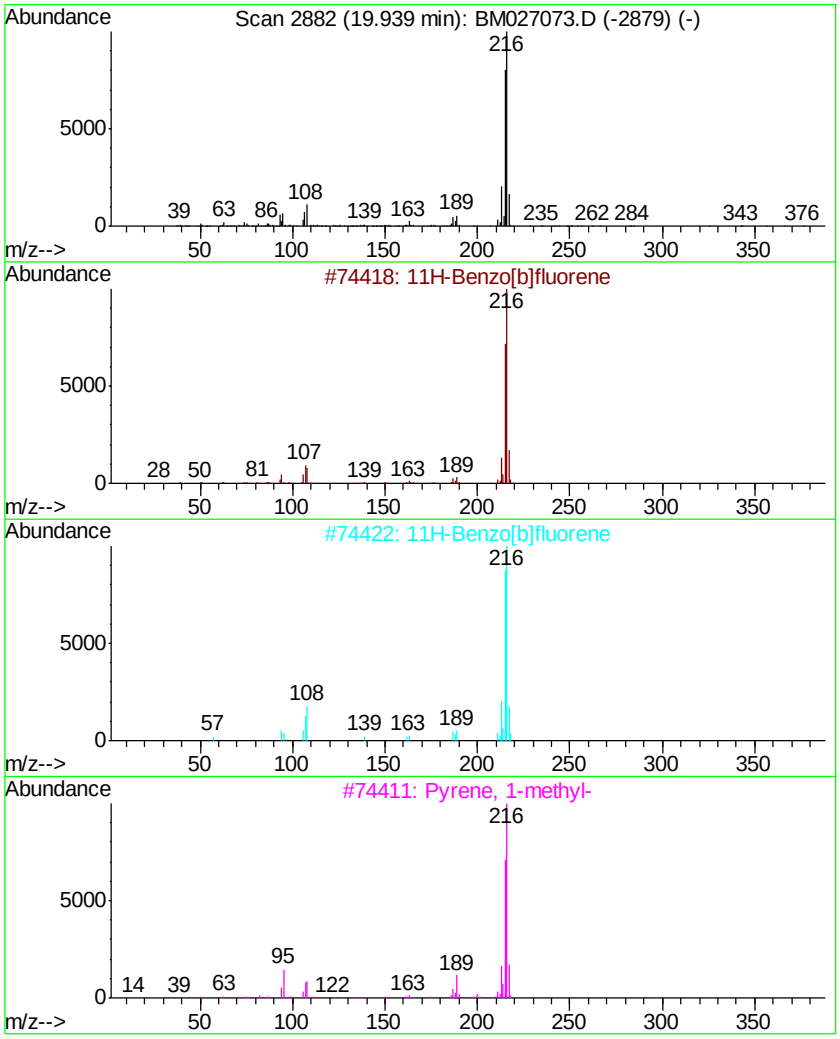
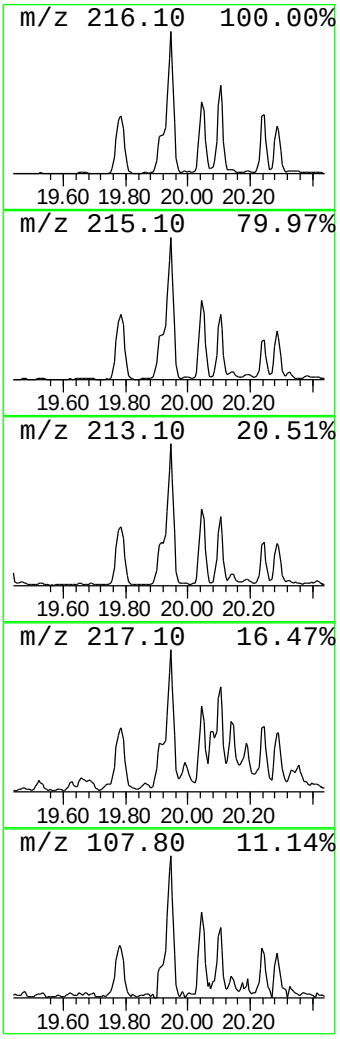
Peak Number 25 11H-Benzo[b]fluorene Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.94 | 3.77 ng/ul | 2209660 | Chrysene-d12 | 21.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 93 |
| 2 | 11H-Benzo[b]fluorene | 216 | C17H12 | 000243-17-4 | 91 |
| 3 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 90 |
| 4 | 11H-Benzo[a]fluorene | 216 | C17H12 | 000238-84-6 | 87 |
| 5 | Fluoranthene, 2-methyl- | 216 | C17H12 | 033543-31-6 | 87 |



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Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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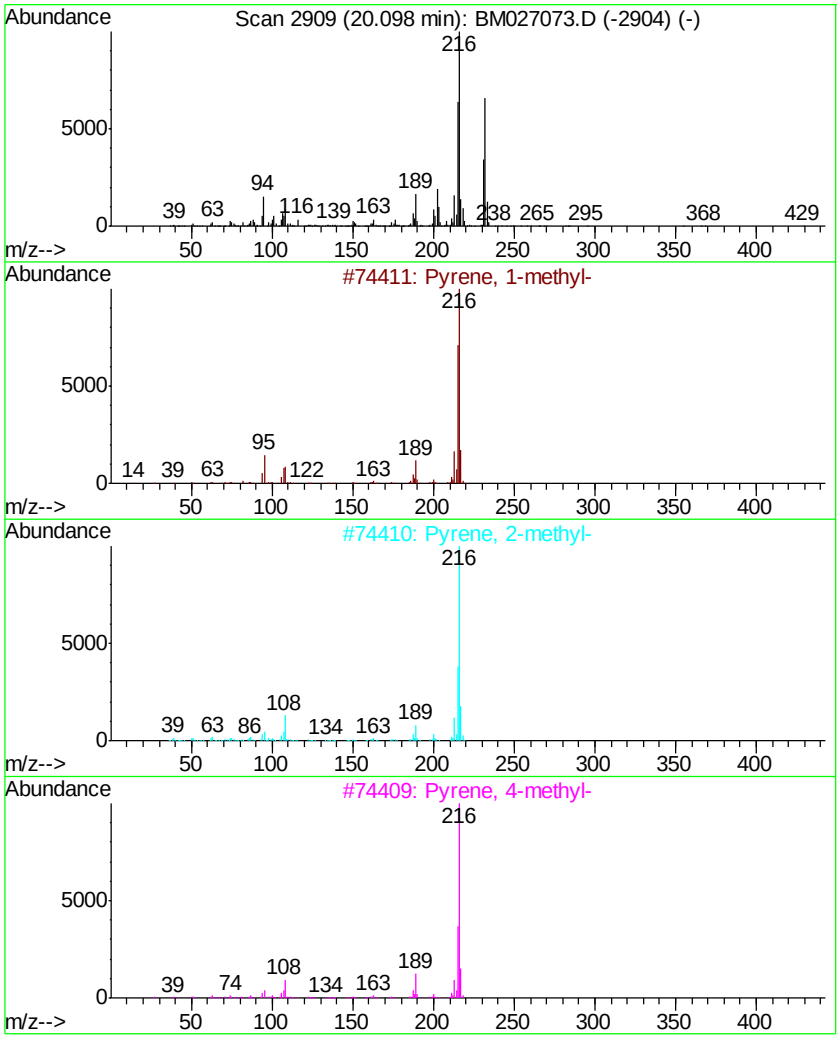
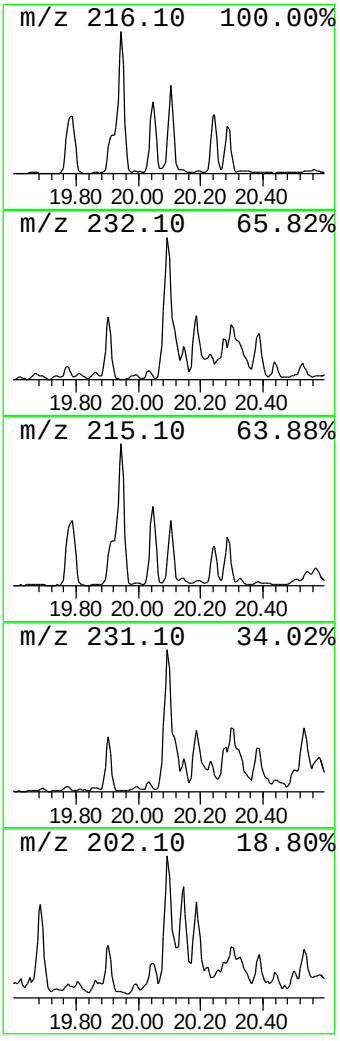
Peak Number 26 Pyrene, 2-methyl- Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.10 | 3.72 ng/ul | 2178220 | Chrysene-d12 | 21.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 92 |
| 2 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 87 |
| 3 | Pyrene, 4-methyl- | 216 | C17H12 | 003353-12-6 | 86 |
| 4 | Pyrene, 1-methyl- | 216 | C17H12 | 002381-21-7 | 78 |
| 5 | Pyrene, 2-methyl- | 216 | C17H12 | 003442-78-2 | 78 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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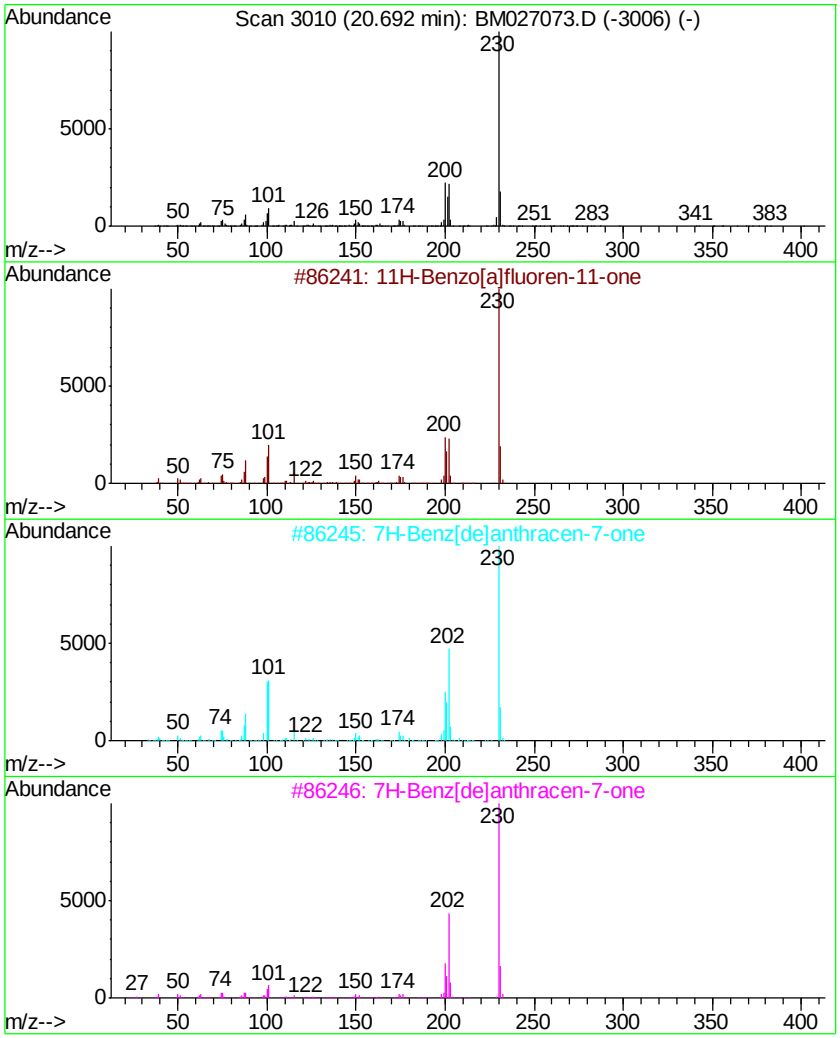
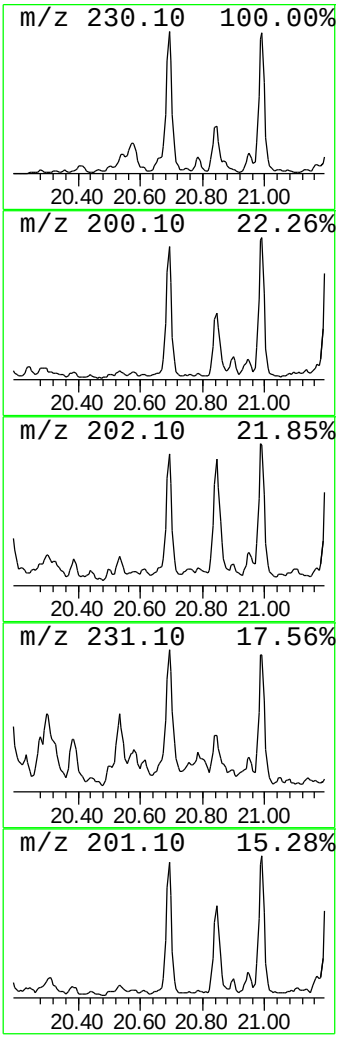
Peak Number 27 11H-Benzo[a]fluoren-11-one Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.69 | 2.63 ng/ul | 1542080 | Chrysene-d12 | 21.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 11H-Benzo[a]fluoren-11-one | 230 | C17H10O | 000479-79-8 | 95 |
| 2 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 87 |
| 3 | 7H-Benz[de]anthracen-7-one | 230 | C17H10O | 000082-05-3 | 81 |
| 4 | 1-Pyrenecarboxaldehyde | 230 | C17H10O | 003029-19-4 | 72 |
| 5 | 6H-Benz[de]anthracen-6-one | 230 | C17H10O | 080252-14-8 | 68 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

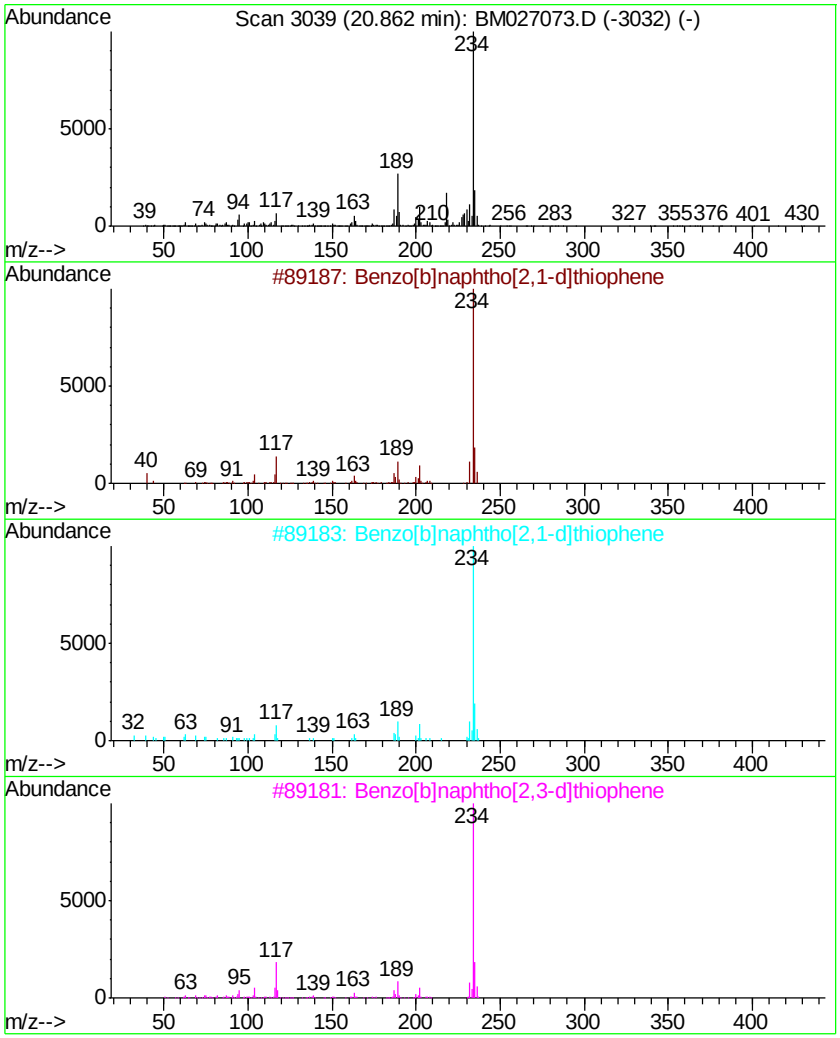
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

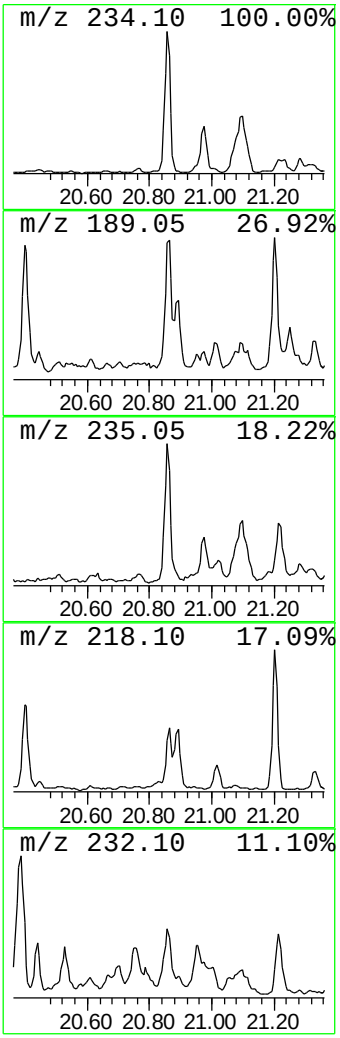
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 28 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.86 | 2.79 ng/ul | 1634040 | Chrysene-d12 | 21.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 95 |
| 2 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 93 |
| 3 | Benzo[b]naphtho[2,3-d]thiophene | 234 | C16H10S | 000243-46-9 | 91 |
| 4 | Benzo[b]naphtho[2,3-d]thiophene | 234 | C16H10S | 000243-46-9 | 81 |
| 5 | Benzo[b]naphtho[2,1-d]thiophene | 234 | C16H10S | 000239-35-0 | 76 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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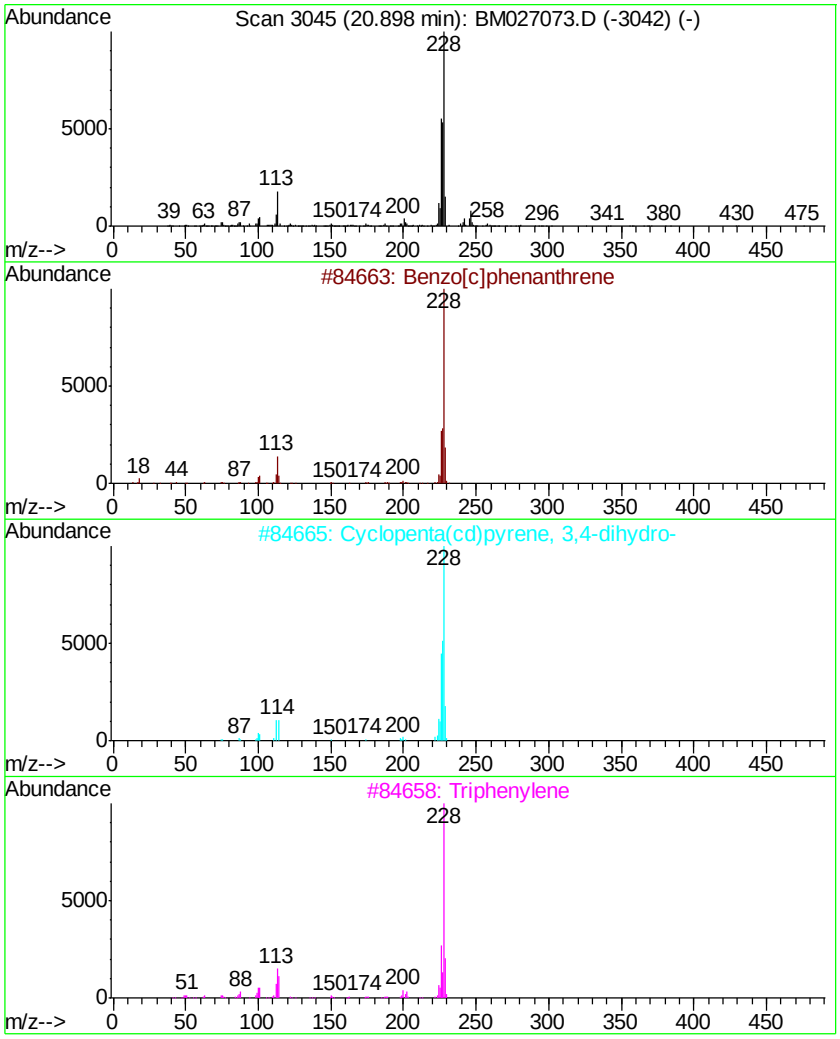
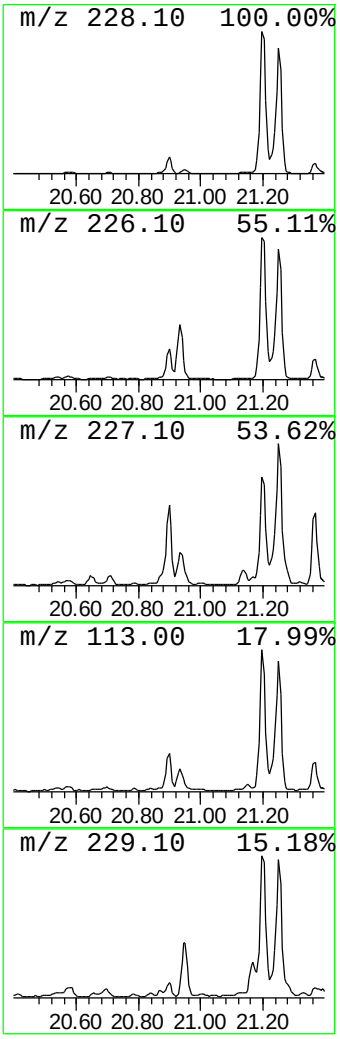
Peak Number 29 Benzo[c]phenanthrene Concentration Rank 36

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.90 | 2.24 ng/ul | 1311210 | Chrysene-d12 | 21.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo[c]phenanthrene | 228 | C18H12 | 000195-19-7 | 64 |
| 2 | Cyclopenta(cd)pyrene, 3,4-dihydro- | 228 | C18H12 | 025732-74-5 | 58 |
| 3 | Triphenylene | 228 | C18H12 | 000217-59-4 | 55 |
| 4 | Benz[a]anthracene | 228 | C18H12 | 000056-55-3 | 50 |
| 5 | Benzo[c]phenanthrene | 228 | C18H12 | 000195-19-7 | 49 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM081320\
Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.M
Quant Title : SVOA CALIBRATION

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

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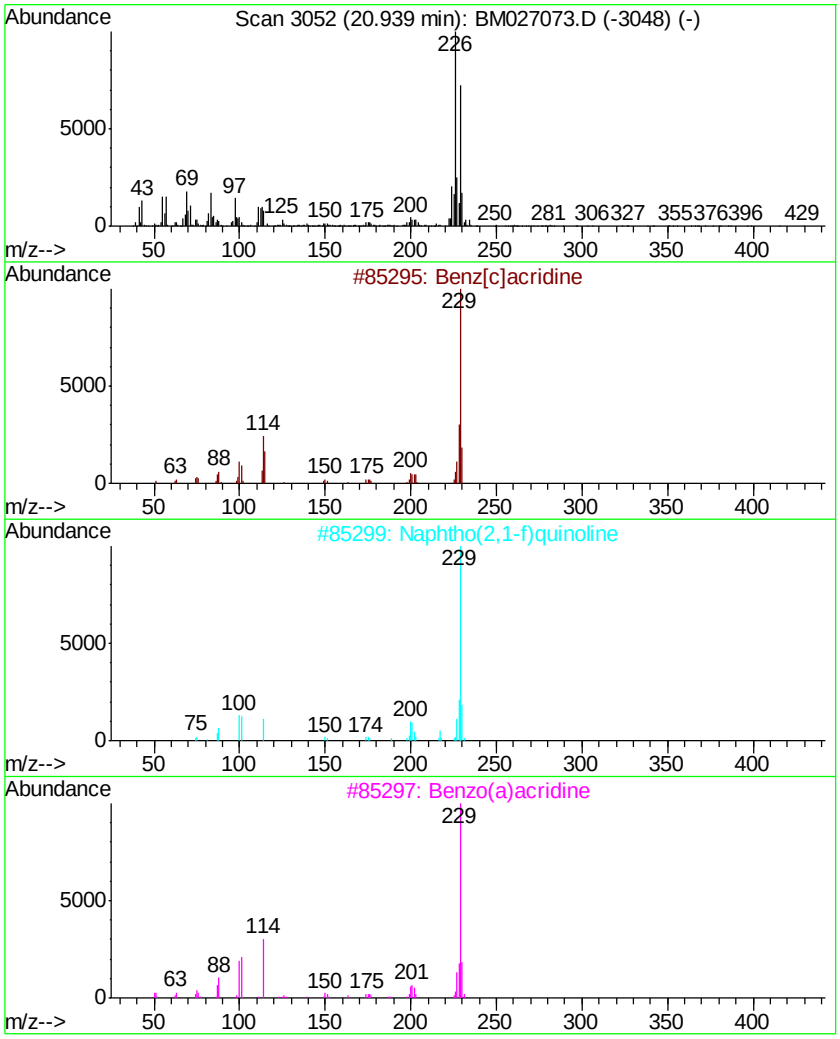
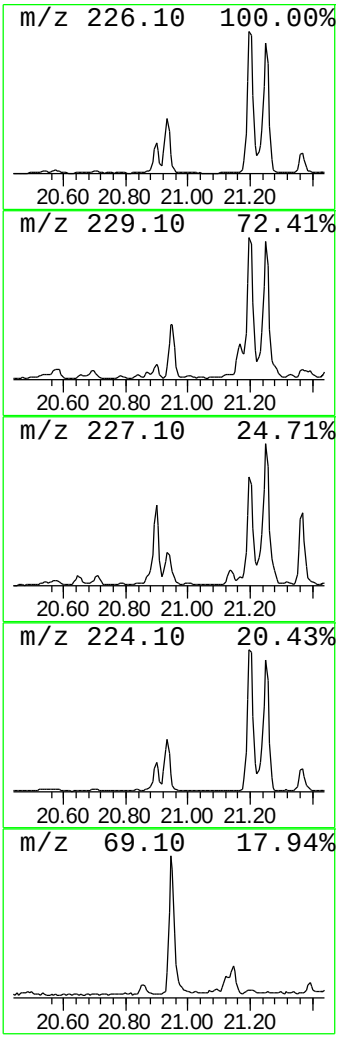
Peak Number 30 Benz[c]acridine Concentration Rank 27

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.94 | 3.93 ng/ul | 2300830 | Chrysene-d12 | 21.22 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benz[c]acridine | 229 | C17H11N | 000225-51-4 | 64 |
| 2 | Naphtho(2,1-f)quinoline | 229 | C17H11N | 000218-08-6 | 62 |
| 3 | Benzo(a)acridine | 229 | C17H11N | 000225-11-6 | 58 |
| 4 | Naphtho(2,3-h)quinoline | 229 | C17H11N | 000084-56-0 | 52 |
| 5 | 4H-1-Benzopyran-4-one, 3-(1-pipe... | 229 | C14H15NO2 | 040302-79-2 | 47 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM081320\
Data File : BM027073.D
Acq On : 13 Aug 2020 23:42
Operator : JU/CG
Sample : L3630-06
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFM73

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM080720MA.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 |
| Naphthalene, 1-me... | 12.30 | 6.3 | ng/ul | 342141 | 2 | 10.41 | 1090390 | 20.0 |
| Naphthalene, 2,3-... | 13.60 | 4.9 | ng/ul | 376996 | 3 | 14.27 | 1549620 | 20.0 |
| Benzeneethanol, .... | 15.49 | 4.4 | ng/ul | 337564 | 3 | 14.27 | 1549620 | 20.0 |
| [1,1'-Biphenyl]-4... | 15.62 | 8.3 | ng/ul | 640418 | 3 | 14.27 | 1549620 | 20.0 |
| 2,4,6-Cycloheptat... | 15.77 | 11.9 | ng/ul | 937947 | 4 | 17.02 | 1583000 | 20.0 |
| 1,1'-Biphenyl, 4-... | 16.30 | 4.8 | ng/ul | 377947 | 4 | 17.02 | 1583000 | 20.0 |
| 9H-Fluorene, 9-me... | 16.33 | 5.6 | ng/ul | 440739 | 4 | 17.02 | 1583000 | 20.0 |
| Benzene, 2,4-dime... | 16.56 | 4.4 | ng/ul | 349048 | 4 | 17.02 | 1583000 | 20.0 |
| Phenol, 3-(2-phen... | 16.60 | 5.0 | ng/ul | 392436 | 4 | 17.02 | 1583000 | 20.0 |
| 9H-Fluoren-9-one | 16.67 | 11.3 | ng/ul | 897619 | 4 | 17.02 | 1583000 | 20.0 |
| Dibenzothiophene | 16.83 | 8.0 | ng/ul | 633825 | 4 | 17.02 | 1583000 | 20.0 |
| Phenanthrene, 1-m... | 17.90 | 24.9 | ng/ul | 1974510 | 4 | 17.02 | 1583000 | 20.0 |
| Phenanthrene, 2-m... | 17.94 | 37.6 | ng/ul | 2980080 | 4 | 17.02 | 1583000 | 20.0 |
| 1H-Cyclopropa[l]p... | 18.02 | 16.2 | ng/ul | 1280400 | 4 | 17.02 | 1583000 | 20.0 |
| 4H-Cyclopenta[def... | 18.09 | 37.0 | ng/ul | 2927590 | 4 | 17.02 | 1583000 | 20.0 |
| Phenanthrene, 4-m... | 18.13 | 13.5 | ng/ul | 1069940 | 4 | 17.02 | 1583000 | 20.0 |
| 5,16[1',2']:8,13[... | 18.40 | 14.8 | ng/ul | 1169700 | 4 | 17.02 | 1583000 | 20.0 |
| 9,10-Anthracenedione | 18.43 | 14.5 | ng/ul | 1148220 | 4 | 17.02 | 1583000 | 20.0 |
| Anthracene, 2-ethyl- | 18.65 | 4.6 | ng/ul | 365483 | 4 | 17.02 | 1583000 | 20.0 |
| Phenanthrene, 2,5... | 18.74 | 5.3 | ng/ul | 416998 | 4 | 17.02 | 1583000 | 20.0 |
| di-p-Tolylacetylene | 18.82 | 14.6 | ng/ul | 1153950 | 4 | 17.02 | 1583000 | 20.0 |
| unknown-01 | 18.89 | 9.3 | ng/ul | 737696 | 4 | 17.02 | 1583000 | 20.0 |
| 1,2,4,8-Tetrameth... | 18.96 | 14.1 | ng/ul | 1113300 | 4 | 17.02 | 1583000 | 20.0 |
| Pyrene, 1-methyl- | 19.77 | 3.6 | ng/ul | 2122240 | 5 | 21.22 | 11708100 | 20.0 |
| 11H-Benzo[b]fluorene | 19.94 | 3.8 | ng/ul | 2209660 | 5 | 21.22 | 11708100 | 20.0 |
| Pyrene, 2-methyl- | 20.10 | 3.7 | ng/ul | 2178220 | 5 | 21.22 | 11708100 | 20.0 |
| 11H-Benzo[a]fluor... | 20.69 | 2.6 | ng/ul | 1542080 | 5 | 21.22 | 11708100 | 20.0 |
| Benzo[b]naphtho[2... | 20.86 | 2.8 | ng/ul | 1634040 | 5 | 21.22 | 11708100 | 20.0 |
| Benzo[c]phenanthrene | 20.90 | 2.2 | ng/ul | 1311210 | 5 | 21.22 | 11708100 | 20.0 |
| Benz[c]acridine | 20.94 | 3.9 | ng/ul | 2300830 | 5 | 21.22 | 11708100 | 20.0 |