LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

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-BM111119MA.M
Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5.563 | 447 | 455 | 461 | rBV | 761749 | 1135291 | 0.78% | 0.143% |
| 2 | 6.875 | 672 | 678 | 683 | rBV | 1309659 | 2059460 | 1.41% | 0.260% |
| 3 | 7.069 | 704 | 711 | 719 | rBV | 1432006 | 2279588 | 1.57% | 0.288% |
| 4 | 7.181 | 724 | 730 | 737 | rVV | 2244403 | 3459672 | 2.38% | 0.436% |
| 5 | 7.528 | 783 | 789 | 795 | rBV | 1453680 | 2284143 | 1.57% | 0.288% |
| 6 | 7.645 | 801 | 809 | 817 | rVV | 695190 | 1135188 | 0.78% | 0.143% |
| 7 | 7.898 | 845 | 852 | 861 | rVB | 4834654 | 7521604 | 5.17% | 0.949% |
| 8 | 8.063 | 869 | 880 | 892 | rVB | 10301581 | 16998270 | 11.67% | 2.144% |
| 9 | 8.245 | 904 | 911 | 921 | rVV | 1064633 | 1764798 | 1.21% | 0.223% |
| 10 | 8.634 | 971 | 977 | 980 | rBV | 679977 | 983113 | 0.68% | 0.124% |
| 11 | 8.681 | 980 | 985 | 987 | rBV | 1597854 | 2517016 | 1.73% | 0.317% |
| 12 | 8.875 | 1011 | 1018 | 1027 | rVB | 2045392 | 3261189 | 2.24% | 0.411% |
| 13 | 8.998 | 1027 | 1039 | 1045 | rBV | 3983016 | 8438829 | 5.80% | 1.064% |
| 14 | 9.063 | 1045 | 1050 | 1056 | rVV | 1007246 | 1649802 | 1.13% | 0.208% |
| 15 | 9.210 | 1070 | 1075 | 1083 | rVB | 628065 | 969481 | 0.67% | 0.122% |
| 16 | 9.398 | 1098 | 1107 | 1114 | rBV | 1393059 | 2369592 | 1.63% | 0.299% |
| 17 | 9.563 | 1130 | 1135 | 1147 | rVB | 1496618 | 2447000 | 1.68% | 0.309% |
| 18 | 9.716 | 1150 | 1161 | 1171 | rBV4 | 2538951 | 5918093 | 4.06% | 0.746% |
| 19 | 9.810 | 1171 | 1177 | 1181 | rVV | 1077259 | 1910760 | 1.31% | 0.241% |
| 20 | 9.939 | 1191 | 1199 | 1209 | rVV | 2204244 | 3985588 | 2.74% | 0.503% |
| 21 | 10.392 | 1256 | 1276 | 1281 | rVV2 | 47515264 | 145613579 | 100.00% | 18.365% |
| 22 | 10.492 | 1285 | 1293 | 1301 | rVV | 25346884 | 45096584 | 30.97% | 5.688% |
| 23 | 10.728 | 1328 | 1333 | 1339 | rVB2 | 793116 | 1406852 | 0.97% | 0.177% |
| 24 | 11.410 | 1443 | 1449 | 1455 | rVV | 3743516 | 6459995 | 4.44% | 0.815% |
| 25 | 11.869 | 1521 | 1527 | 1537 | rVB | 1878928 | 3053558 | 2.10% | 0.385% |
| 26 | 11.980 | 1538 | 1546 | 1553 | rVB | 6153149 | 9547542 | 6.56% | 1.204% |
| 27 | 12.098 | 1561 | 1566 | 1572 | rVV | 742804 | 1290383 | 0.89% | 0.163% |
| 28 | 12.210 | 1572 | 1585 | 1594 | rVB | 18218326 | 31469167 | 21.61% | 3.969% |
| 29 | 13.016 | 1714 | 1722 | 1728 | rBV | 13840457 | 20293264 | 13.94% | 2.559% |
| 30 | 13.210 | 1749 | 1755 | 1757 | rVV | 945901 | 1533868 | 1.05% | 0.193% |
| 31 | 13.233 | 1757 | 1759 | 1766 | rVB2 | 849988 | 1196547 | 0.82% | 0.151% |
| 32 | 13.363 | 1766 | 1781 | 1787 | rBV3 | 1501936 | 4362659 | 3.00% | 0.550% |
| 33 | 13.504 | 1798 | 1805 | 1811 | rBV | 5934466 | 10614232 | 7.29% | 1.339% |
| 34 | 13.563 | 1811 | 1815 | 1817 | rVV | 1189667 | 1744252 | 1.20% | 0.220% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

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-BM111119MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 13.610 | 1817 | 1823 | 1828 | rVV | 3828468 | 5919807 | 4.07% | 0.747% |
| 36 | 13.745 | 1840 | 1846 | 1849 | rVV | 2373143 | 3614924 | 2.48% | 0.456% |
| 37 | 13.775 | 1849 | 1851 | 1857 | rVB | 1088114 | 1336340 | 0.92% | 0.169% |
| 38 | 13.874 | 1862 | 1868 | 1872 | rBV | 4576041 | 7531362 | 5.17% | 0.950% |
| 39 | 13.910 | 1872 | 1874 | 1883 | rVB | 2166964 | 2520943 | 1.73% | 0.318% |
| 40 | 14.186 | 1908 | 1921 | 1926 | rBV3 | 3080015 | 5858514 | 4.02% | 0.739% |
| 41 | 14.263 | 1926 | 1934 | 1942 | rVB | 30467173 | 49521320 | 34.01% | 6.246% |
| 42 | 14.380 | 1948 | 1954 | 1958 | rBV2 | 1236799 | 2091020 | 1.44% | 0.264% |
| 43 | 14.504 | 1970 | 1975 | 1980 | rVB | 1086294 | 1715221 | 1.18% | 0.216% |
| 44 | 14.598 | 1980 | 1991 | 1997 | rVB | 25467491 | 38270535 | 26.28% | 4.827% |
| 45 | 14.692 | 1998 | 2007 | 2018 | rVB3 | 2282581 | 4966515 | 3.41% | 0.626% |
| 46 | 14.816 | 2018 | 2028 | 2033 | rBV3 | 663692 | 1541628 | 1.06% | 0.194% |
| 47 | 14.904 | 2040 | 2043 | 2048 | rVV | 837070 | 1194174 | 0.82% | 0.151% |
| 48 | 15.186 | 2086 | 2091 | 2096 | rVV | 5850352 | 9016511 | 6.19% | 1.137% |
| 49 | 15.245 | 2096 | 2101 | 2107 | rVV | 17002934 | 24526821 | 16.84% | 3.093% |
| 50 | 15.321 | 2109 | 2114 | 2119 | rVV3 | 2034809 | 3480411 | 2.39% | 0.439% |
| 51 | 15.369 | 2119 | 2122 | 2125 | rVV2 | 1227304 | 1956077 | 1.34% | 0.247% |
| 52 | 15.404 | 2125 | 2128 | 2133 | rVV2 | 1652002 | 2609831 | 1.79% | 0.329% |
| 53 | 15.463 | 2133 | 2138 | 2139 | rVV3 | 617087 | 1067087 | 0.73% | 0.135% |
| 54 | 15.492 | 2140 | 2143 | 2147 | rVV2 | 1042353 | 1717496 | 1.18% | 0.217% |
| 55 | 15.539 | 2147 | 2151 | 2156 | rVV2 | 2429670 | 3539924 | 2.43% | 0.446% |
| 56 | 15.686 | 2171 | 2176 | 2185 | rVV | 2624565 | 5114627 | 3.51% | 0.645% |
| 57 | 15.921 | 2210 | 2216 | 2230 | rBV4 | 6668480 | 13044077 | 8.96% | 1.645% |
| 58 | 16.133 | 2248 | 2252 | 2256 | rVV | 1072588 | 1702325 | 1.17% | 0.215% |
| 59 | 16.174 | 2256 | 2259 | 2262 | rVV | 1087197 | 1850561 | 1.27% | 0.233% |
| 60 | 16.210 | 2262 | 2265 | 2270 | rVV | 1706891 | 3107111 | 2.13% | 0.392% |
| 61 | 16.251 | 2270 | 2272 | 2276 | rVV2 | 751291 | 994888 | 0.68% | 0.125% |
| 62 | 16.515 | 2312 | 2317 | 2322 | rVB | 934071 | 1383030 | 0.95% | 0.174% |
| 63 | 16.727 | 2348 | 2353 | 2355 | rBV | 1283587 | 1879566 | 1.29% | 0.237% |
| 64 | 16.757 | 2355 | 2358 | 2363 | rVB | 2229119 | 2929824 | 2.01% | 0.370% |
| 65 | 16.868 | 2367 | 2377 | 2381 | rBV3 | 4046785 | 10257509 | 7.04% | 1.294% |
| 66 | 16.910 | 2381 | 2384 | 2386 | rVV | 1020168 | 1255478 | 0.86% | 0.158% |
| 67 | 16.939 | 2386 | 2389 | 2392 | rVV | 2874132 | 3869452 | 2.66% | 0.488% |
| 68 | 16.986 | 2392 | 2397 | 2400 | rVV | 13960970 | 19670805 | 13.51% | 2.481% |
| 69 | 17.039 | 2400 | 2406 | 2409 | rVV3 | 6813407 | 10715476 | 7.36% | 1.351% |
| 70 | 17.068 | 2409 | 2411 | 2415 | rVB2 | 1305596 | 1503775 | 1.03% | 0.190% |
| 71 | 17.145 | 2420 | 2424 | 2435 | rVB3 | 1571508 | 2925613 | 2.01% | 0.369% |

LSC Area Percent Report

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Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

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-BM111119MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 17.357 | 2447 | 2460 | 2465 | rBV | 27654441 | 45199141 | 31.04% | 5.701% |
| 73 | 17.439 | 2465 | 2474 | 2480 | rVV2 | 3296145 | 9589215 | 6.59% | 1.209% |
| 74 | 17.510 | 2480 | 2486 | 2491 | rVV2 | 5531159 | 9010469 | 6.19% | 1.136% |
| 75 | 17.662 | 2506 | 2512 | 2514 | rBV2 | 890787 | 1498350 | 1.03% | 0.189% |
| 76 | 17.692 | 2514 | 2517 | 2522 | rVB2 | 839582 | 1233701 | 0.85% | 0.156% |
| 77 | 17.780 | 2528 | 2532 | 2536 | rBV2 | 2089062 | 2992948 | 2.06% | 0.377% |
| 78 | 17.815 | 2536 | 2538 | 2542 | rVV2 | 876802 | 1064427 | 0.73% | 0.134% |
| 79 | 17.862 | 2542 | 2546 | 2555 | rVB2 | 3836274 | 6498833 | 4.46% | 0.820% |
| 80 | 17.939 | 2555 | 2559 | 2566 | rBV | 2284965 | 3200317 | 2.20% | 0.404% |
| 81 | 18.010 | 2566 | 2571 | 2576 | rBV | 1462130 | 2062576 | 1.42% | 0.260% |
| 82 | 18.121 | 2580 | 2590 | 2594 | rBV4 | 1498148 | 3701817 | 2.54% | 0.467% |
| 83 | 18.162 | 2594 | 2597 | 2601 | rVV | 1742854 | 2483528 | 1.71% | 0.313% |
| 84 | 18.210 | 2601 | 2605 | 2609 | rVV3 | 800683 | 1334920 | 0.92% | 0.168% |
| 85 | 18.262 | 2609 | 2614 | 2620 | rVV3 | 1683628 | 3122397 | 2.14% | 0.394% |
| 86 | 18.321 | 2620 | 2624 | 2628 | rVV | 902177 | 1134601 | 0.78% | 0.143% |
| 87 | 19.004 | 2735 | 2740 | 2748 | rVB | 2158165 | 2901968 | 1.99% | 0.366% |
| 88 | 19.104 | 2749 | 2757 | 2763 | rBV2 | 984009 | 1586401 | 1.09% | 0.200% |
| 89 | 19.339 | 2792 | 2797 | 2804 | rBV3 | 7331177 | 11196594 | 7.69% | 1.412% |
| 90 | 19.751 | 2863 | 2867 | 2870 | rBV | 1375694 | 1927980 | 1.32% | 0.243% |
| 91 | 19.821 | 2870 | 2879 | 2882 | rVV | 8496300 | 21488079 | 14.76% | 2.710% |
| 92 | 19.851 | 2882 | 2884 | 2894 | rVB | 6706871 | 9091780 | 6.24% | 1.147% |
| 93 | 20.362 | 2967 | 2971 | 2978 | rBV | 1082514 | 1612489 | 1.11% | 0.203% |
| 94 | 20.456 | 2981 | 2987 | 2991 | rVV3 | 3150466 | 6210837 | 4.27% | 0.783% |
| 95 | 20.498 | 2991 | 2994 | 3005 | rVB | 2112073 | 2994138 | 2.06% | 0.378% |
| 96 | 20.880 | 3055 | 3059 | 3065 | rBV | 941460 | 1158930 | 0.80% | 0.146% |
| 97 | 21.139 | 3098 | 3103 | 3109 | rVB | 4961705 | 6286915 | 4.32% | 0.793% |
| 98 | 21.609 | 3179 | 3183 | 3189 | rBV | 1698618 | 2415055 | 1.66% | 0.305% |
| 99 | 23.162 | 3440 | 3447 | 3453 | rBV | 6205998 | 10871307 | 7.47% | 1.371% |
| 100 | 23.297 | 3463 | 3470 | 3480 | rVB | 3304703 | 6024340 | 4.14% | 0.760% |

Sum of corrected areas: 792865590

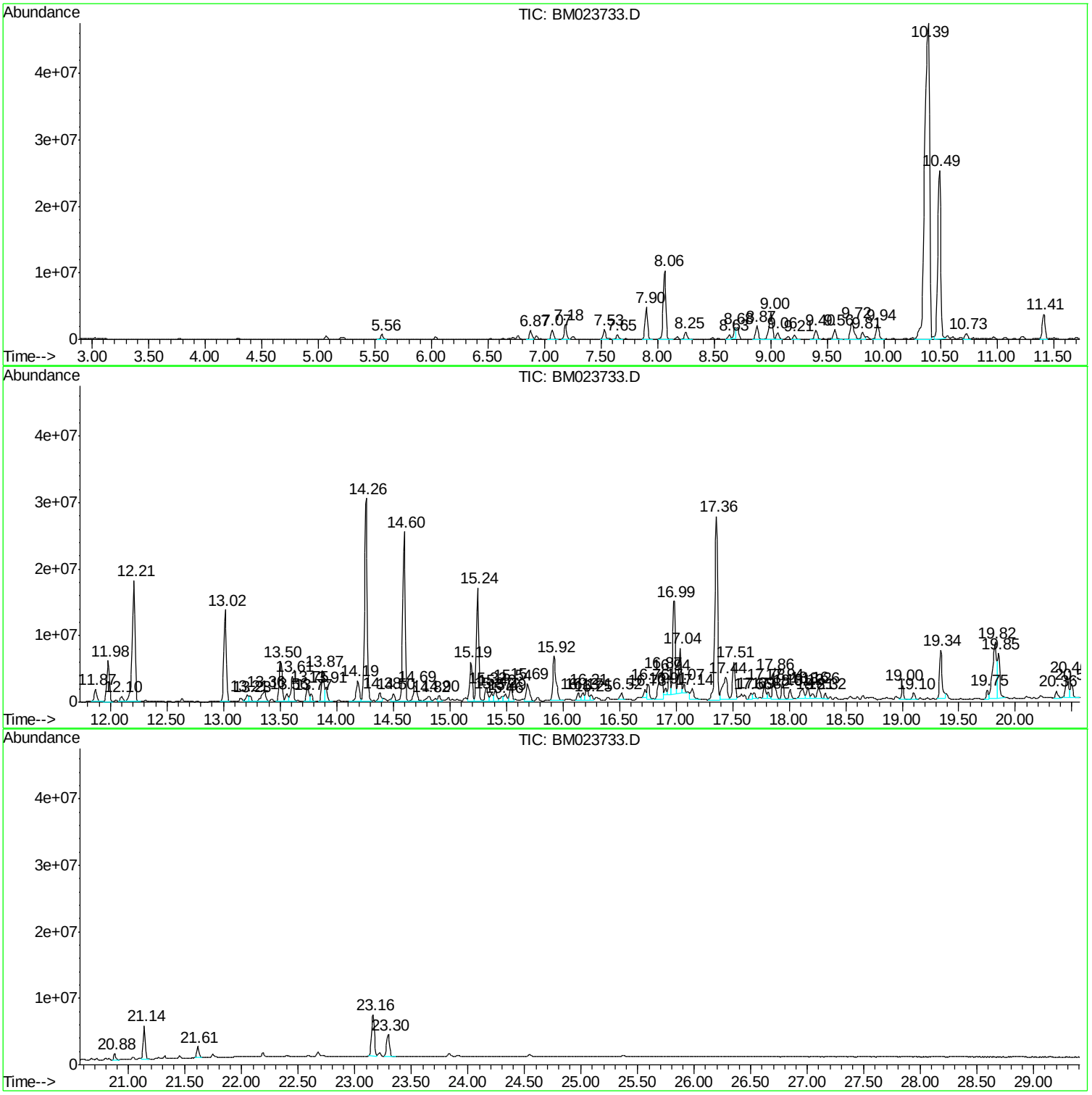
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

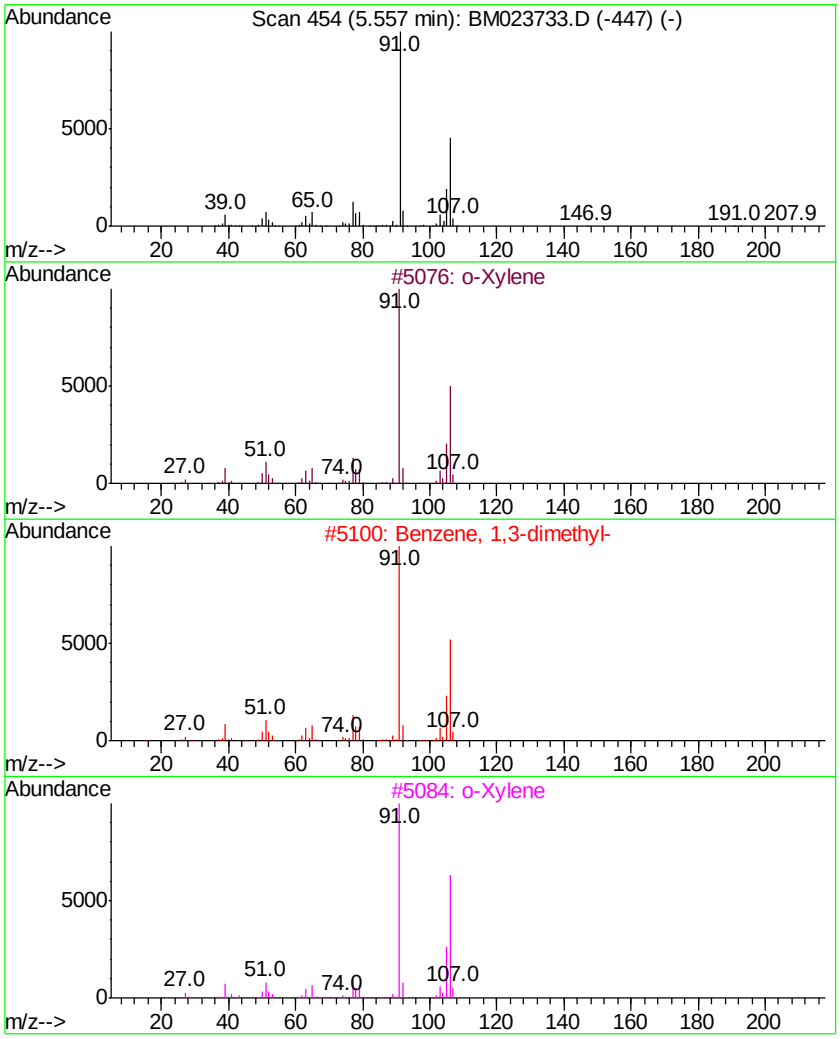
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

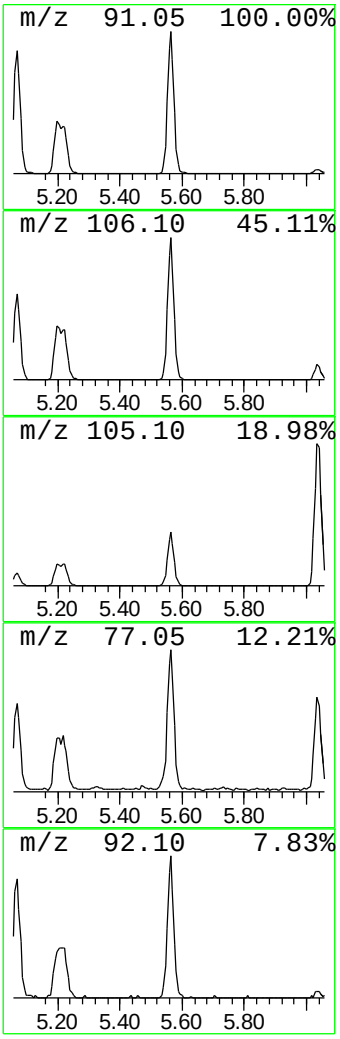
**********

Peak Number 1 o-Xylene Concentration Rank 28

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.56 | 9.94 ng/ul | 1135290 | 1,4-Dichlorobenzene-d4 | 7.53 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Xylene | 106 | C8H10 | 000095-47-6 | 97 |
| 2 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 97 |
| 3 | o-Xylene | 106 | C8H10 | 000095-47-6 | 95 |
| 4 | p-Xylene | 106 | C8H10 | 000106-42-3 | 95 |
| 5 | Benzene, 1,3-dimethyl- | 106 | C8H10 | 000108-38-3 | 95 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

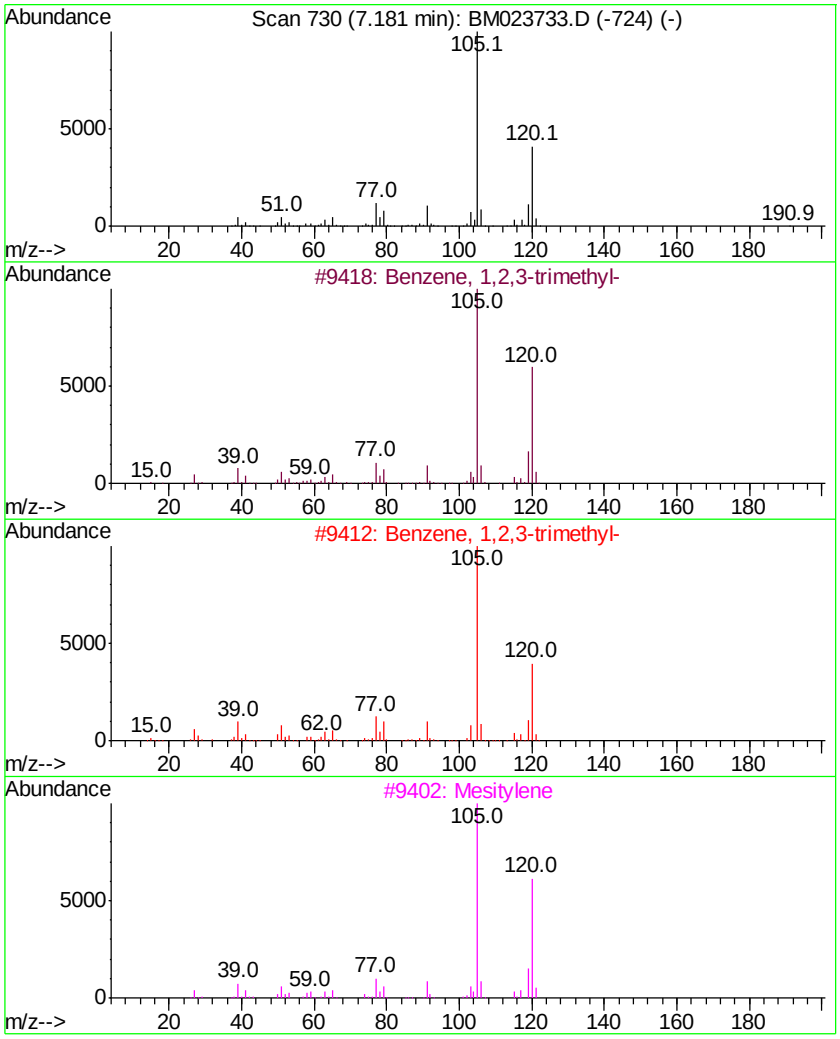
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

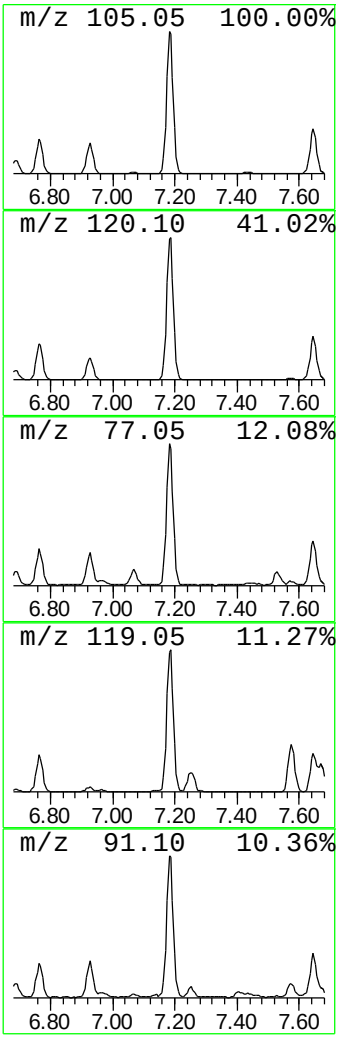
**********

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.18 | 30.29 ng/ul | 3459670 | 1,4-Dichlorobenzene-d4 | 7.53 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 97 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 93 |
| 4 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

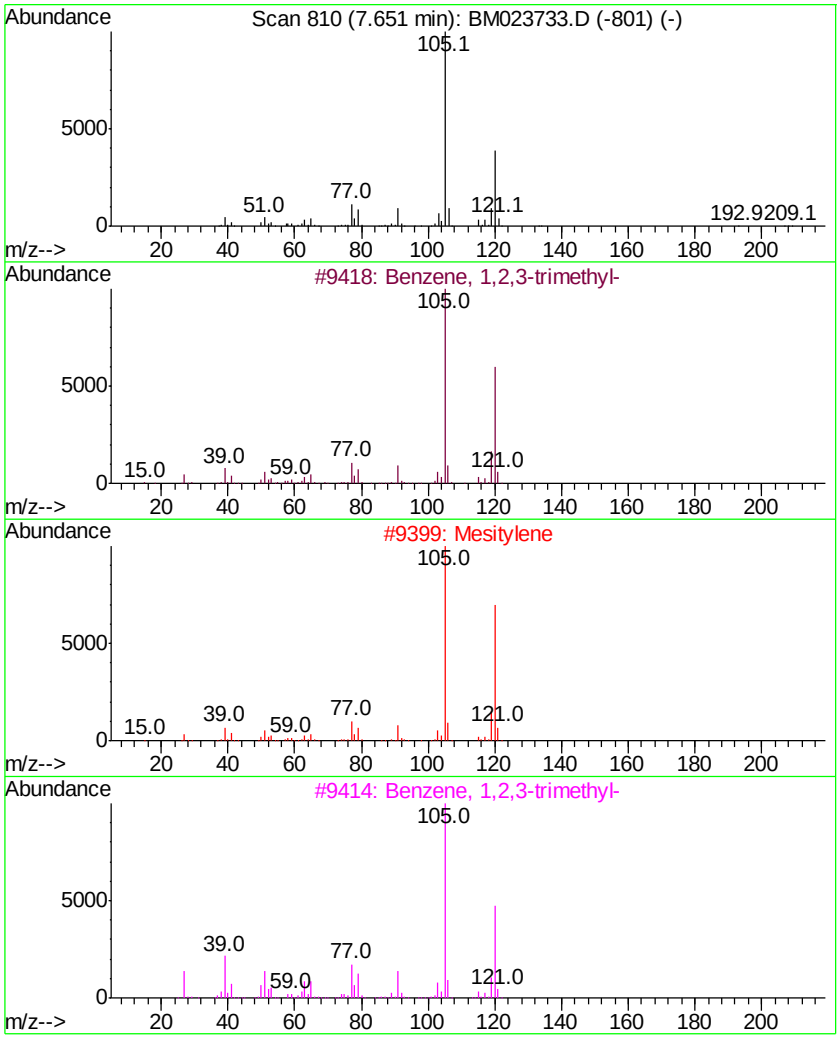
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

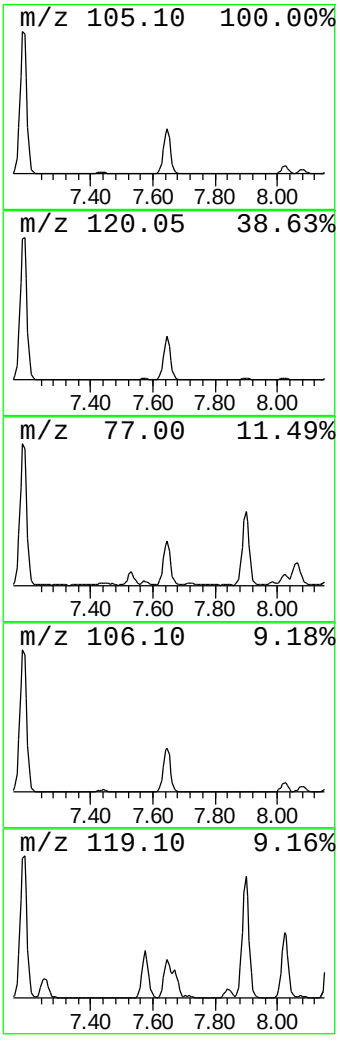
**********

Peak Number 3 Mesitylene Concentration Rank 29

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.65 | 9.94 ng/ul | 1135190 | 1,4-Dichlorobenzene-d4 | 7.53 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 95 |
| 2 | Mesitylene | 120 | C9H12 | 000108-67-8 | 94 |
| 3 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 91 |
| 4 | Benzene, 1-ethyl-3-methyl- | 120 | C9H12 | 000620-14-4 | 91 |
| 5 | Benzene, 1,2,4-trimethyl- | 120 | C9H12 | 000095-63-6 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

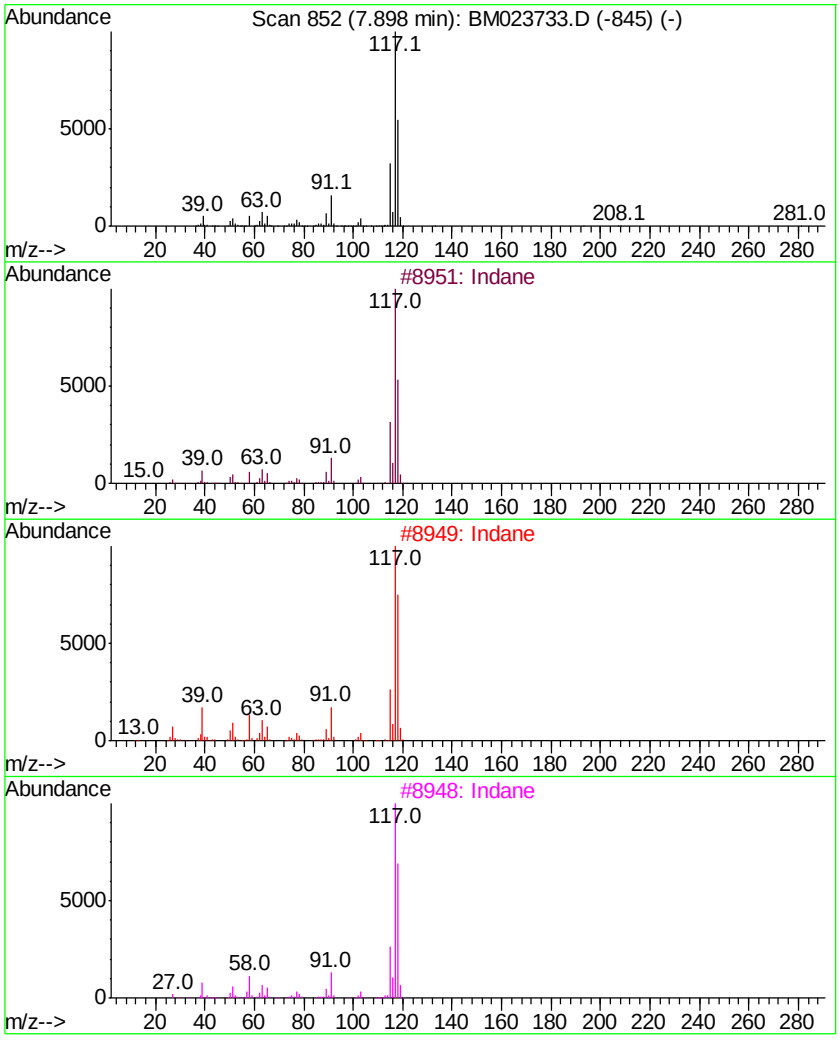
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

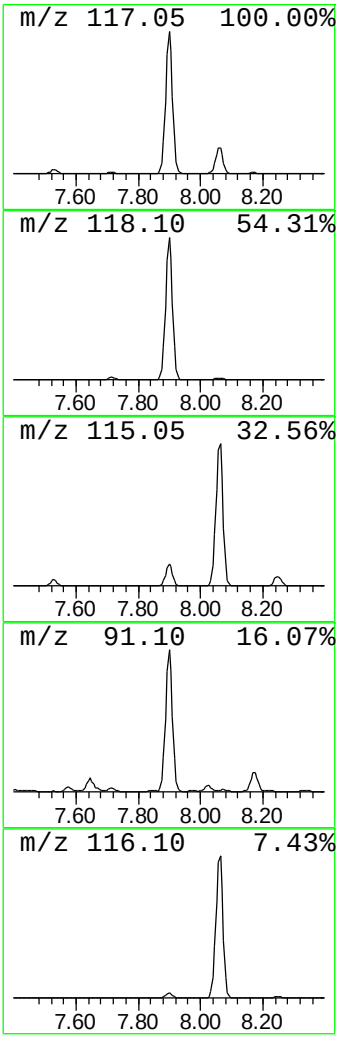
**********

Peak Number 4 Indane Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.90 | 65.86 ng/ul | 7521600 | 1,4-Dichlorobenzene-d4 | 7.53 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 93 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 87 |
| 3 | Indane | 118 | C9H10 | 000496-11-7 | 83 |
| 4 | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 | C9H10 | 1000191-13-7 | 80 |
| 5 | Deltacyclene | 118 | C9H10 | 007785-10-6 | 72 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

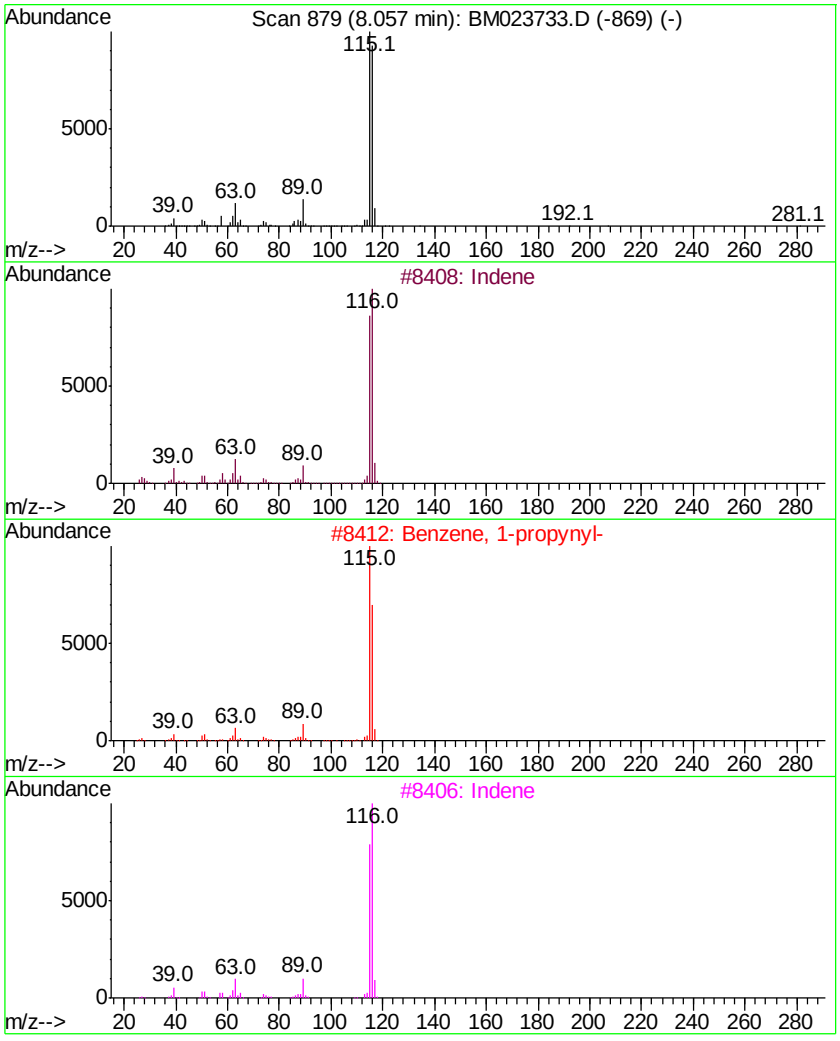
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

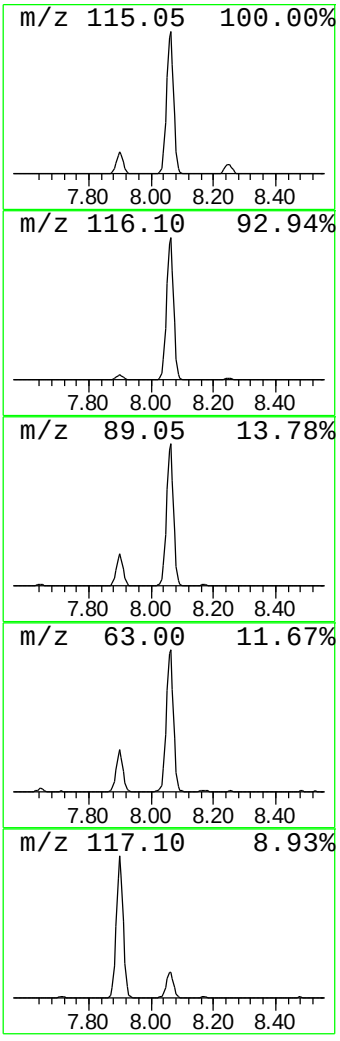
**********

Peak Number 5 Indene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.06 | 148.84 ng/ul | 16998300 | 1,4-Dichlorobenzene-d4 | 7.53 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indene | 116 | C9H8 | 000095-13-6 | 95 |
| 2 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 95 |
| 3 | Indene | 116 | C9H8 | 000095-13-6 | 94 |
| 4 | 1-Propyne, 3-phenyl- | 116 | C9H8 | 010147-11-2 | 94 |
| 5 | 3-Methylphenylacetylene | 116 | C9H8 | 000766-82-5 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

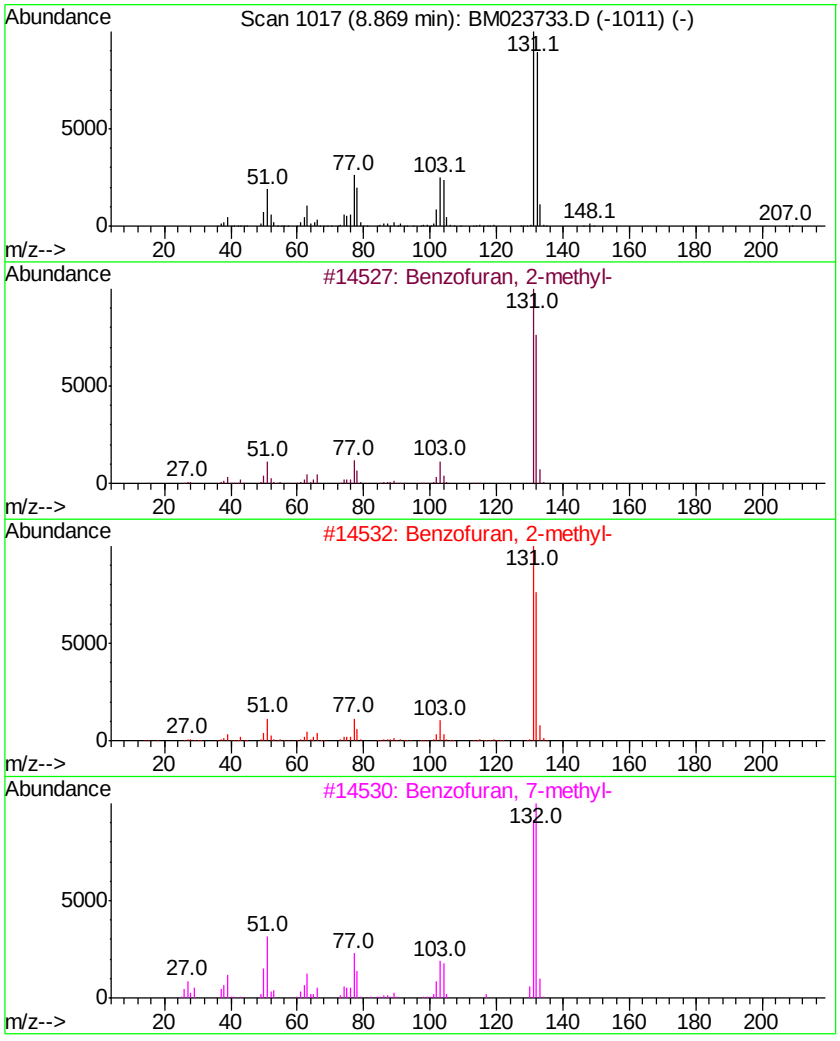
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

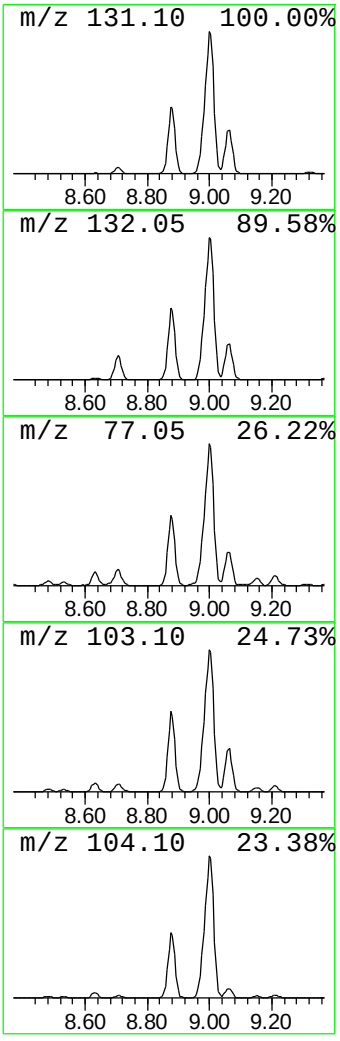
**********

Peak Number 6 Benzofuran, 2-methyl- Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.87 | 28.56 ng/ul | 3261190 | 1,4-Dichlorobenzene-d4 | 7.53 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 91 |
| 2 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 91 |
| 3 | Benzofuran, 7-methyl- | 132 | C9H8O | 017059-52-8 | 91 |
| 4 | 3-Phenyl-2-propyn-1-ol | 132 | C9H8O | 001504-58-1 | 91 |
| 5 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 90 |



# Library Search Compound Report

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Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

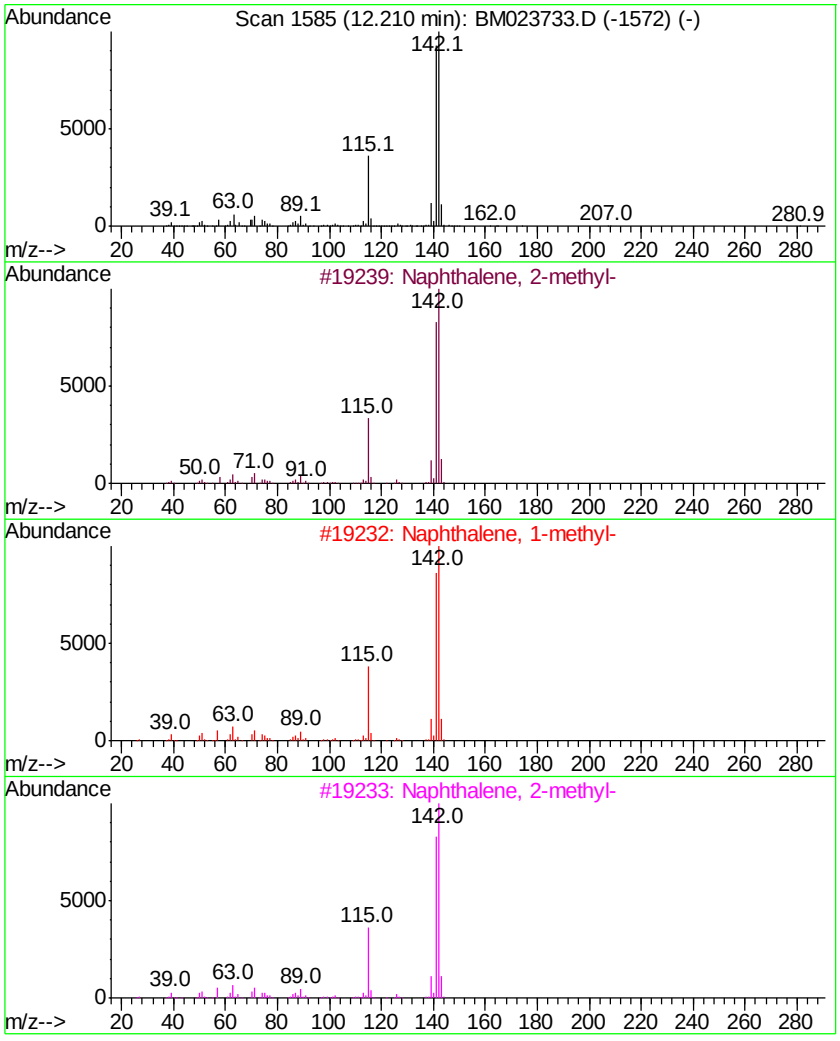
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

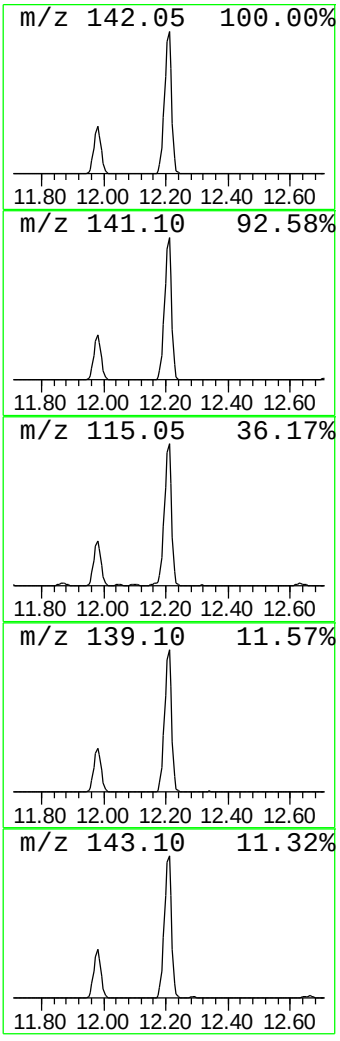
**********

Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 51

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.21 | 4.32 ng/ul | 31469200 | Naphthalene-d8 | 10.32 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 2 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 96 |
| 3 | Naphthalene, 2-methyl- | 142 | C11H10 | 000091-57-6 | 96 |
| 4 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 94 |
| 5 | Naphthalene, 1-methyl- | 142 | C11H10 | 000090-12-0 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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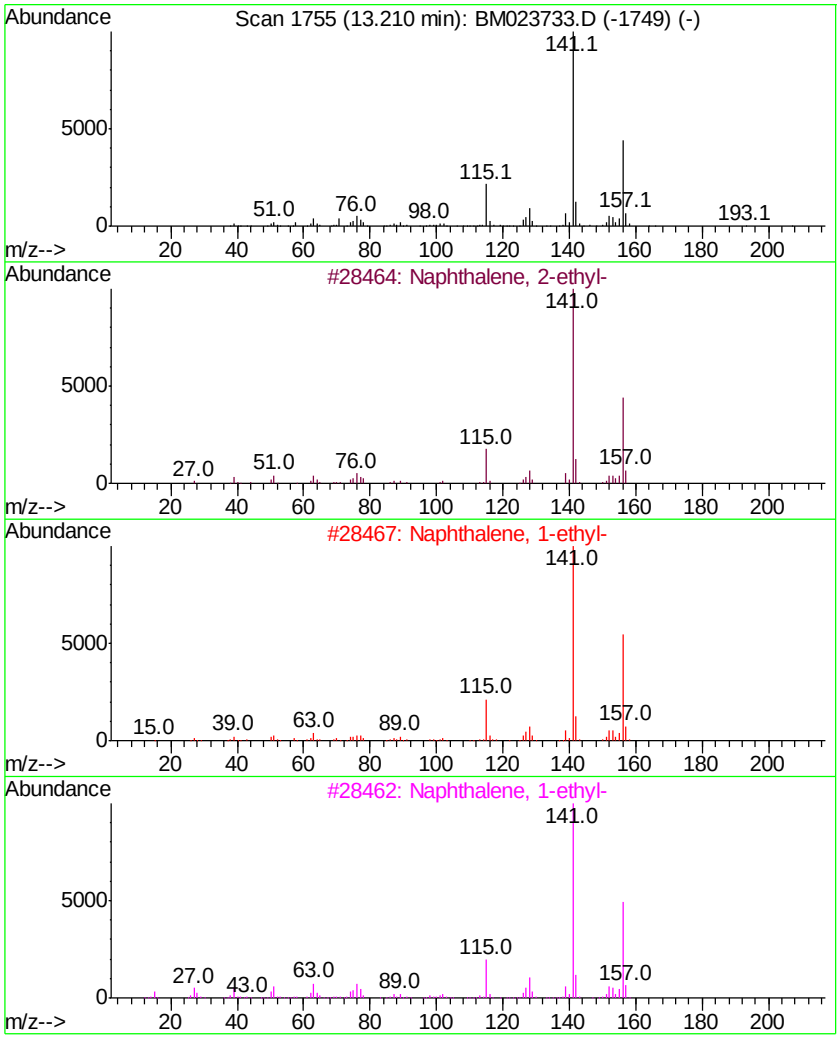
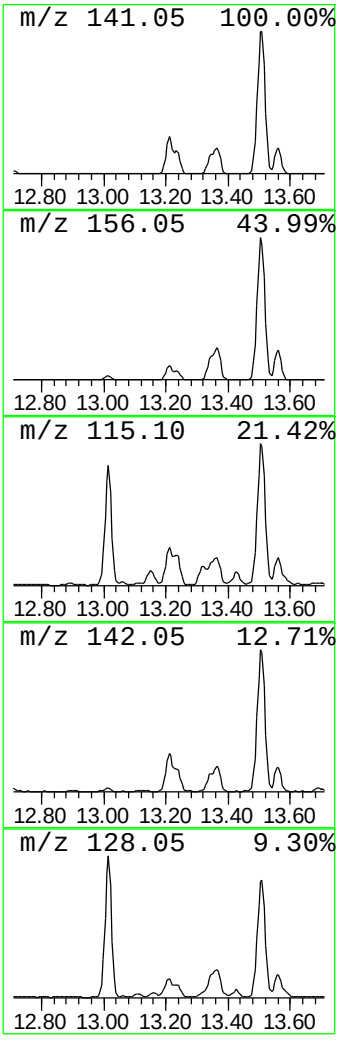
Peak Number 8 Naphthalene, 2-ethyl- Concentration Rank 46

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.21 | 5.24 ng/ul | 1533870 | Acenaphthene-d10 | 14.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 97 |
| 2 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 96 |
| 3 | Naphthalene, 1-ethyl- | 156 | C12H12 | 001127-76-0 | 95 |
| 4 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 95 |
| 5 | Naphthalene, 2-ethyl- | 156 | C12H12 | 000939-27-5 | 94 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

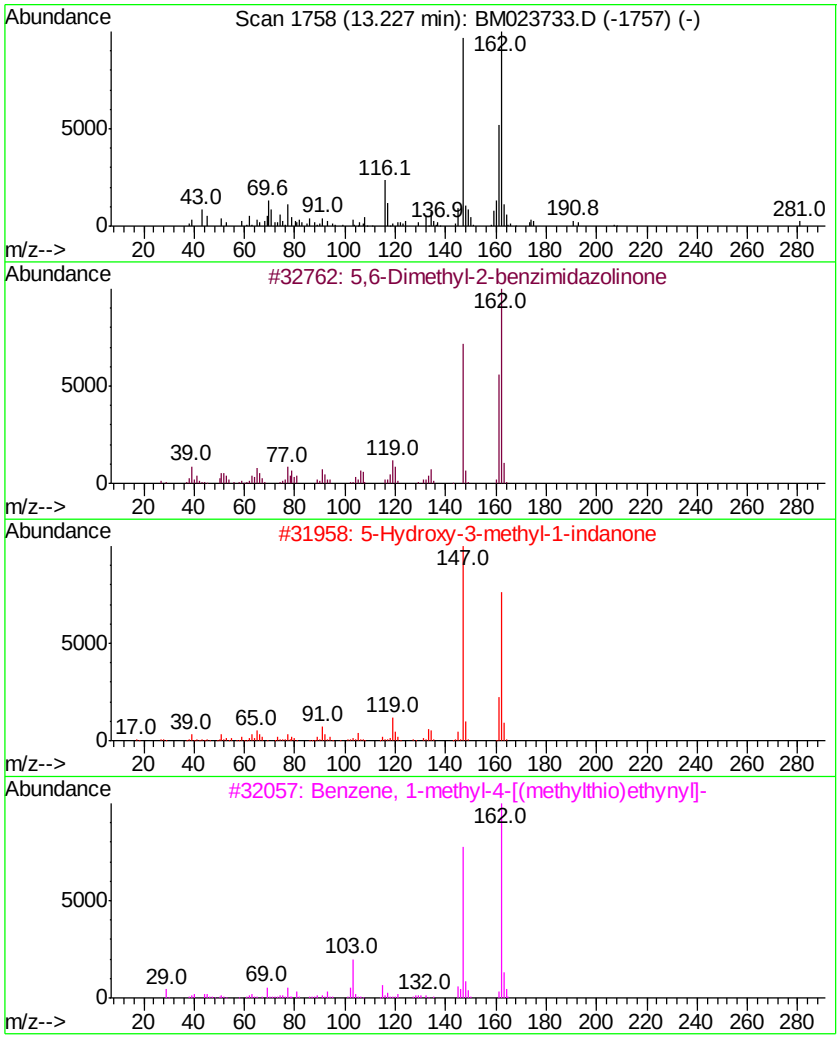
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

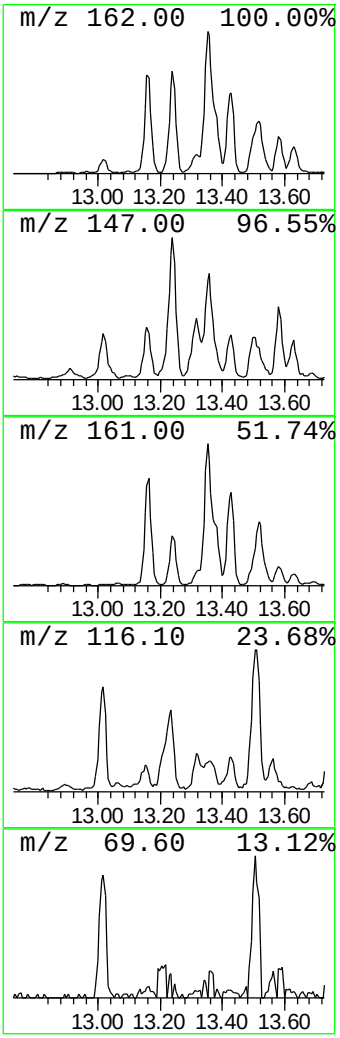
**********

Peak Number 9 5,6-Dimethyl-2-benzimidazol... Concentration Rank 52

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.23 | 4.08 ng/ul | 1196550 | Acenaphthene-d10 | 14.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5,6-Dimethyl-2-benzimidazolinone | 162 | C9H10N2O | 002033-30-9 | 72 |
| 2 | 5-Hydroxy-3-methyl-1-indanone | 162 | C10H10O2 | 057878-30-5 | 72 |
| 3 | Benzene, 1-methyl-4-[(methylthio... | 162 | C10H10S | 017293-64-0 | 64 |
| 4 | Benzene, 3-ethyl-1,2,4,5-tetrame... | 162 | C12H18 | 031365-98-7 | 59 |
| 5 | 6-Methoxy-3-methylbenzofuran | 162 | C10H10O2 | 029040-52-6 | 53 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

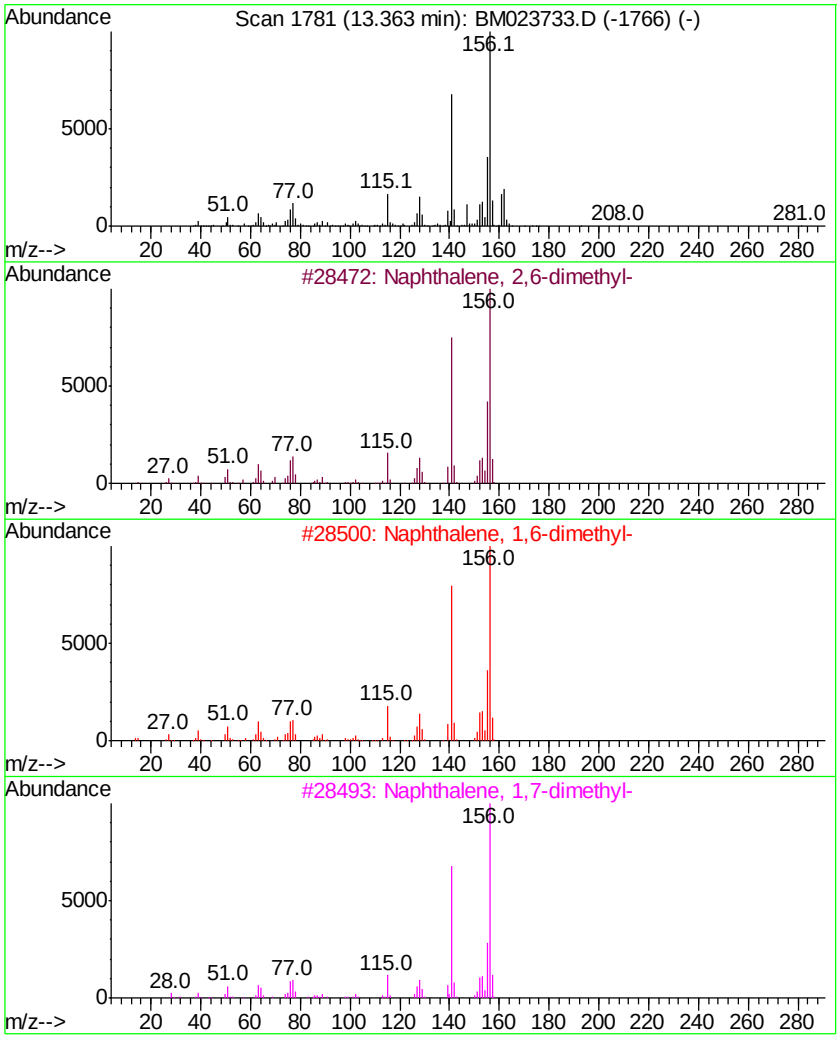
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

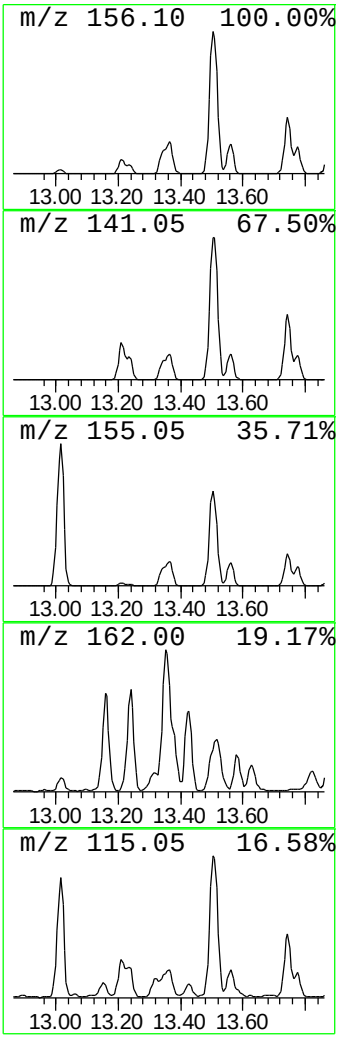
**********

Peak Number 10 Naphthalene, 2,6-dimethyl- Concentration Rank 23

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.36 | 14.89 ng/ul | 4362660 | Acenaphthene-d10 | 14.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 97 |
| 2 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 3 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 96 |
| 4 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |
| 5 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 96 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

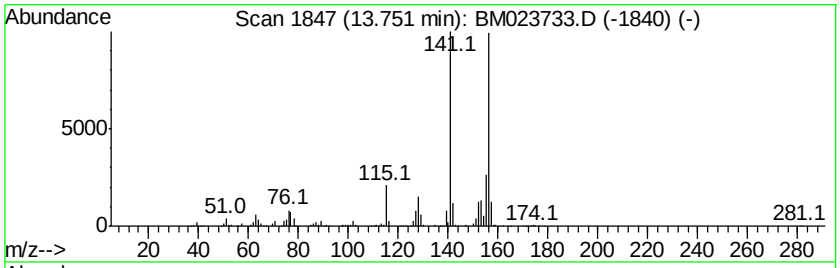
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

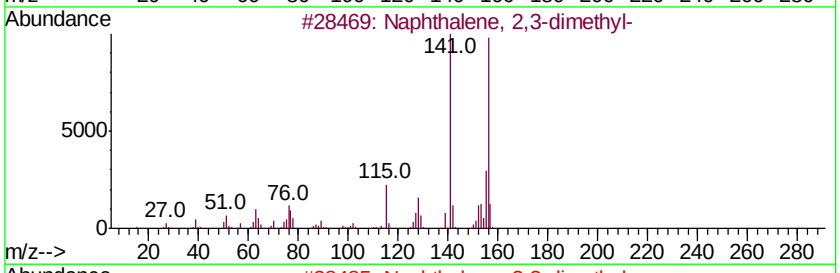
**********

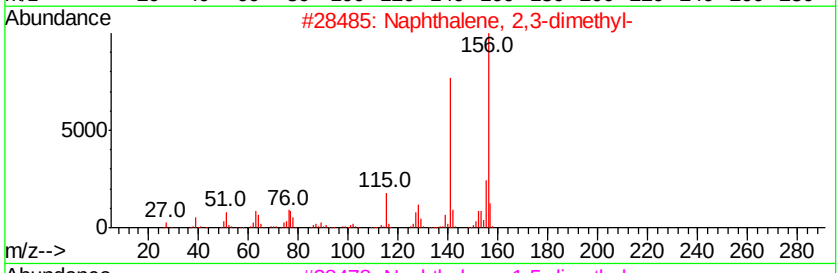
Peak Number 12 Naphthalene, 2,3-dimethyl- Concentration Rank 25

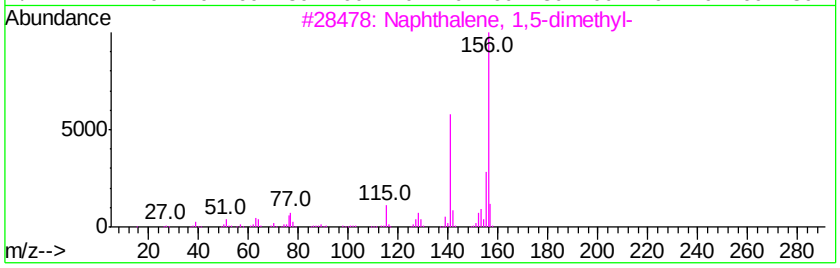
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.75 | 12.34 ng/ul | 3614920 | Acenaphthene-d10 | 14.19 |

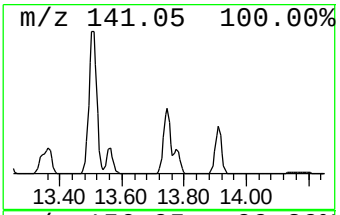
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 98 |
| 2 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |
| 3 | Naphthalene, 1,5-dimethyl- | 156 | C12H12 | 000571-61-9 | 97 |
| 4 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 97 |
| 5 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 97 |

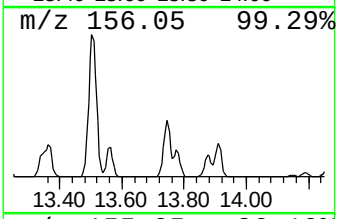


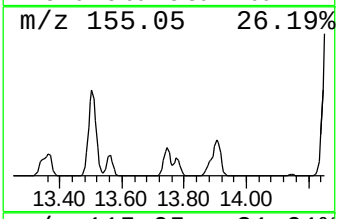



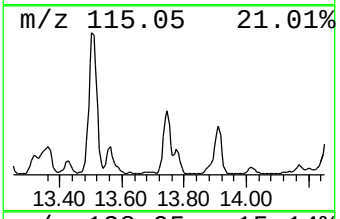



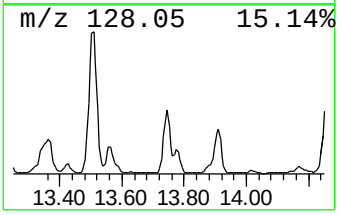



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

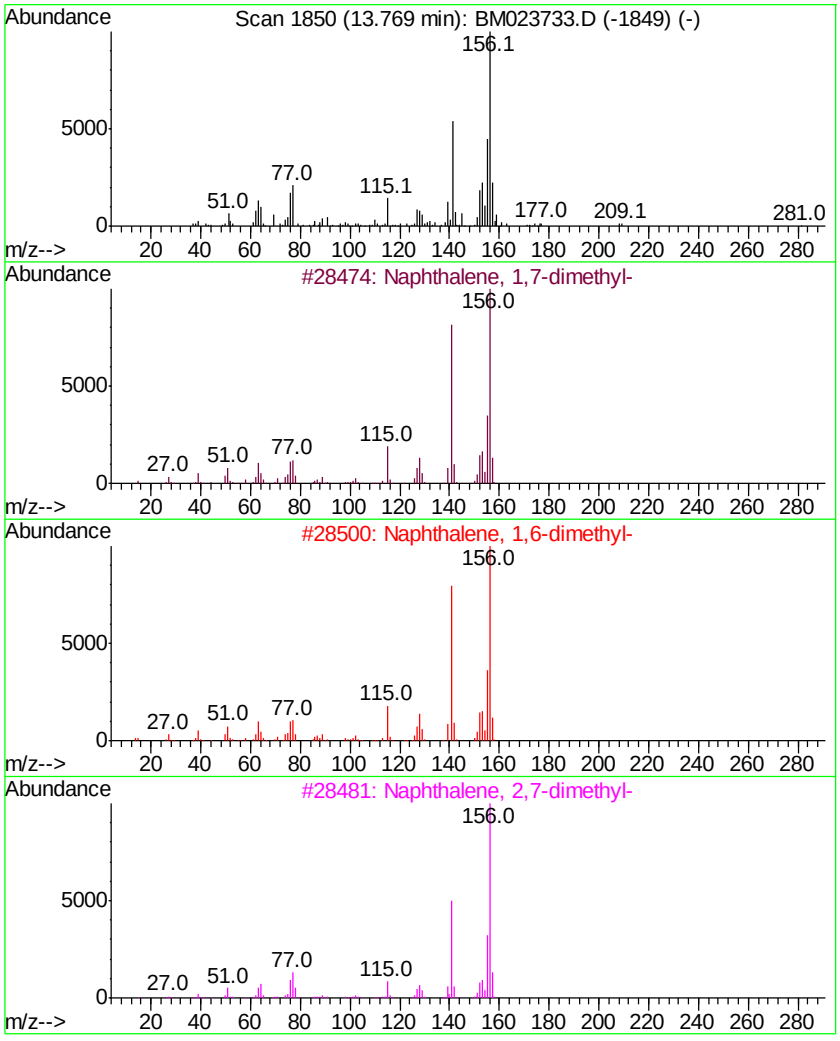
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

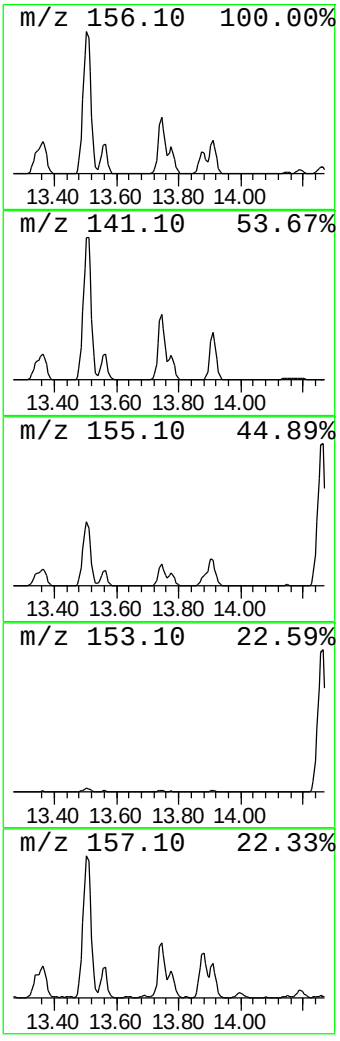
**********

Peak Number 13 Naphthalene, 1,7-dimethyl- Concentration Rank 50

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.77 | 4.56 ng/ul | 1336340 | Acenaphthene-d10 | 14.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 96 |
| 2 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 3 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |
| 4 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 96 |
| 5 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 96 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

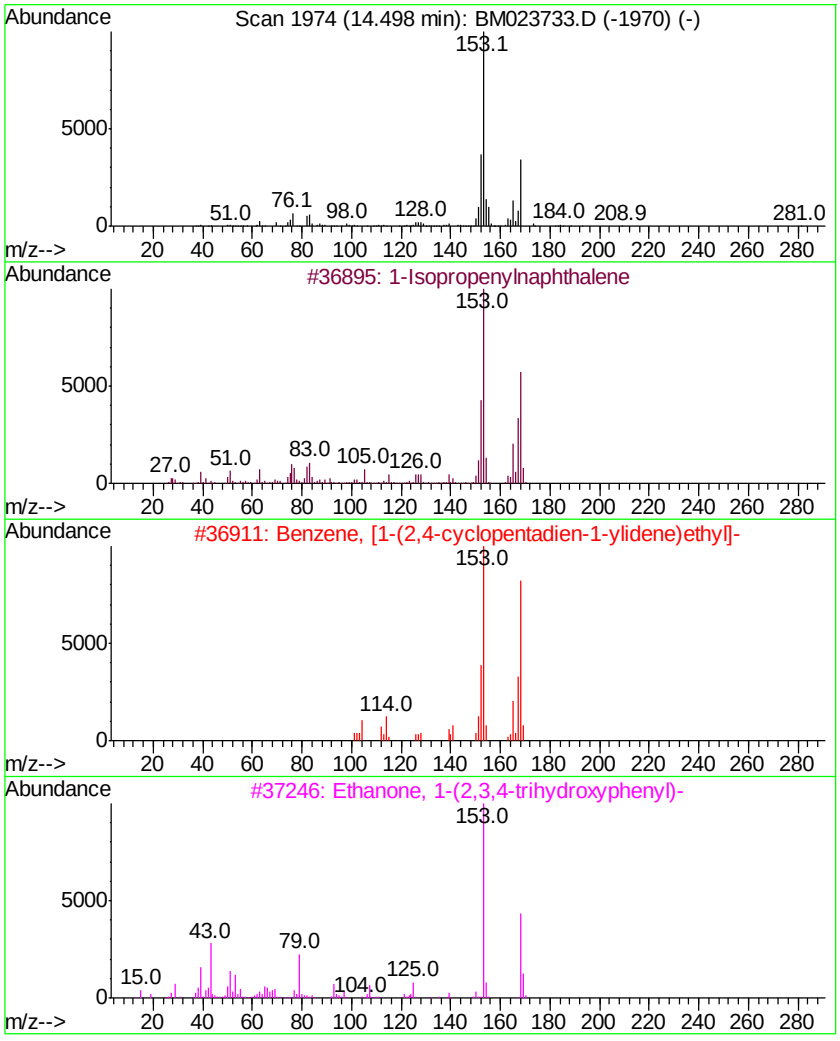
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

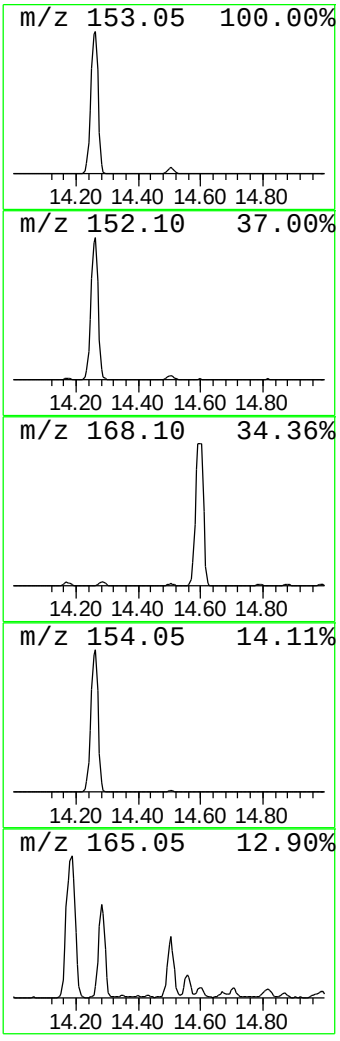
**********

Peak Number 14 unknown-01 Concentration Rank 43

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.50 | 5.86 ng/ul | 1715220 | Acenaphthene-d10 | 14.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Isopropenylnaphthalene | 168 | C13H12 | 001855-47-6 | 47 |
| 2 | Benzene, [1-(2,4-cyclopentadien-... | 168 | C13H12 | 002320-32-3 | 45 |
| 3 | Ethanone, 1-(2,3,4-trihydroxyphe... | 168 | C8H8O4 | 000528-21-2 | 40 |
| 4 | Thieno[2,3-b]thiophene, 2-ethyl- | 168 | C8H8S2 | 005912-01-6 | 40 |
| 5 | Ethanone, 1-(2,4,6-trihydroxyphe... | 168 | C8H8O4 | 000480-66-0 | 40 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

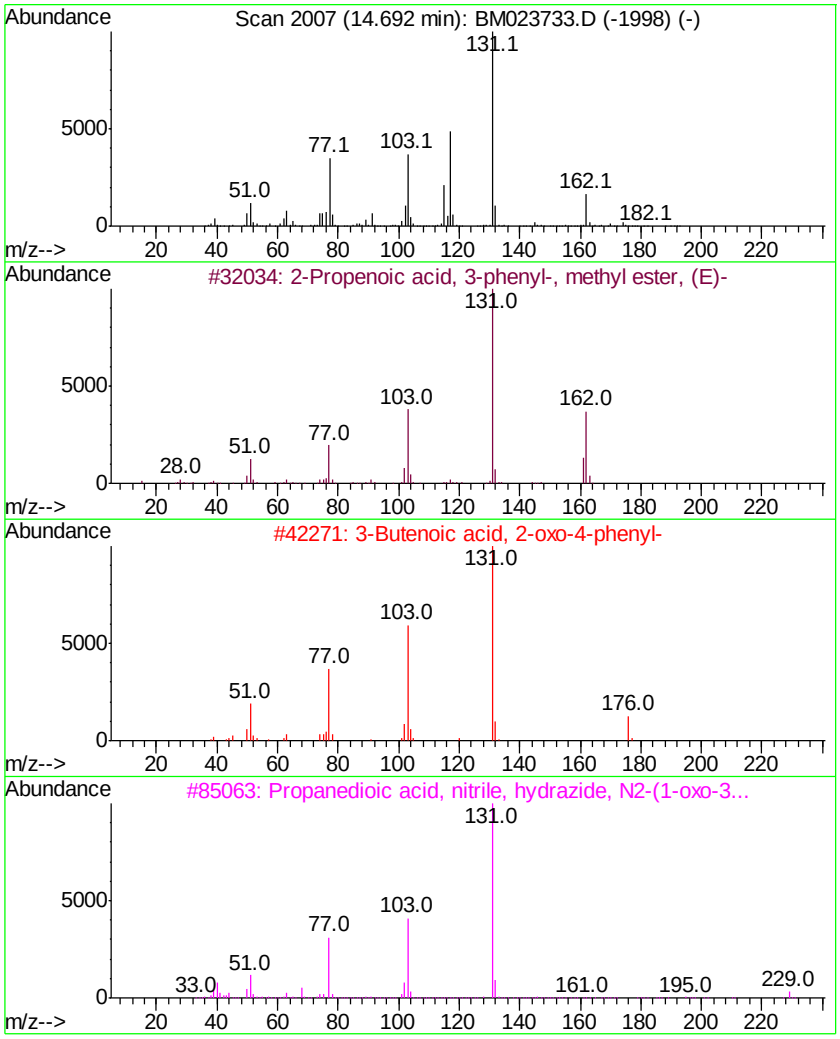
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

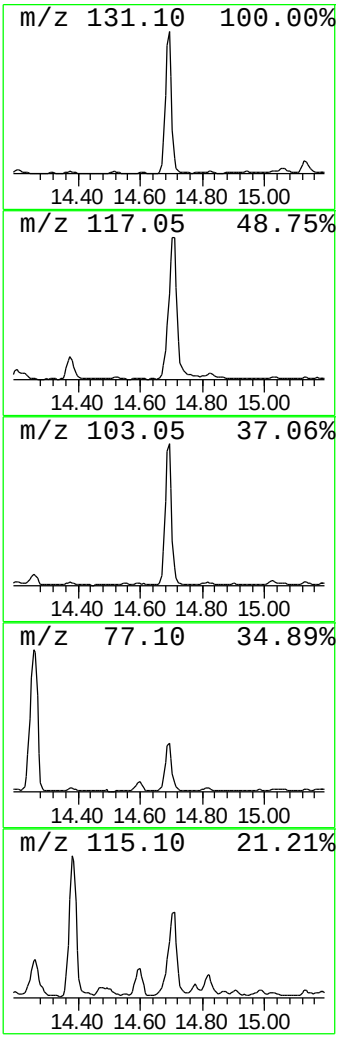
**********

Peak Number 15 2-Propenoic acid, 3-phenyl-... Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.69 | 16.95 ng/ul | 4966520 | Acenaphthene-d10 | 14.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Propenoic acid, 3-phenyl-, met... | 162 | C10H10O2 | 001754-62-7 | 58 |
| 2 | 3-Butenoic acid, 2-oxo-4-phenyl- | 176 | C10H8O3 | 1000142-21-0 | 50 |
| 3 | Propanedioic acid, nitrile, hydr... | 229 | C12H11N3O2 | 294878-35-6 | 50 |
| 4 | 4-Methylcoumarine-7-cinnamate | 306 | C19H14O4 | 300829-05-4 | 50 |
| 5 | 1-Penten-3-one, 4-methyl-1-phenyl- | 174 | C12H14O | 003160-32-5 | 47 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

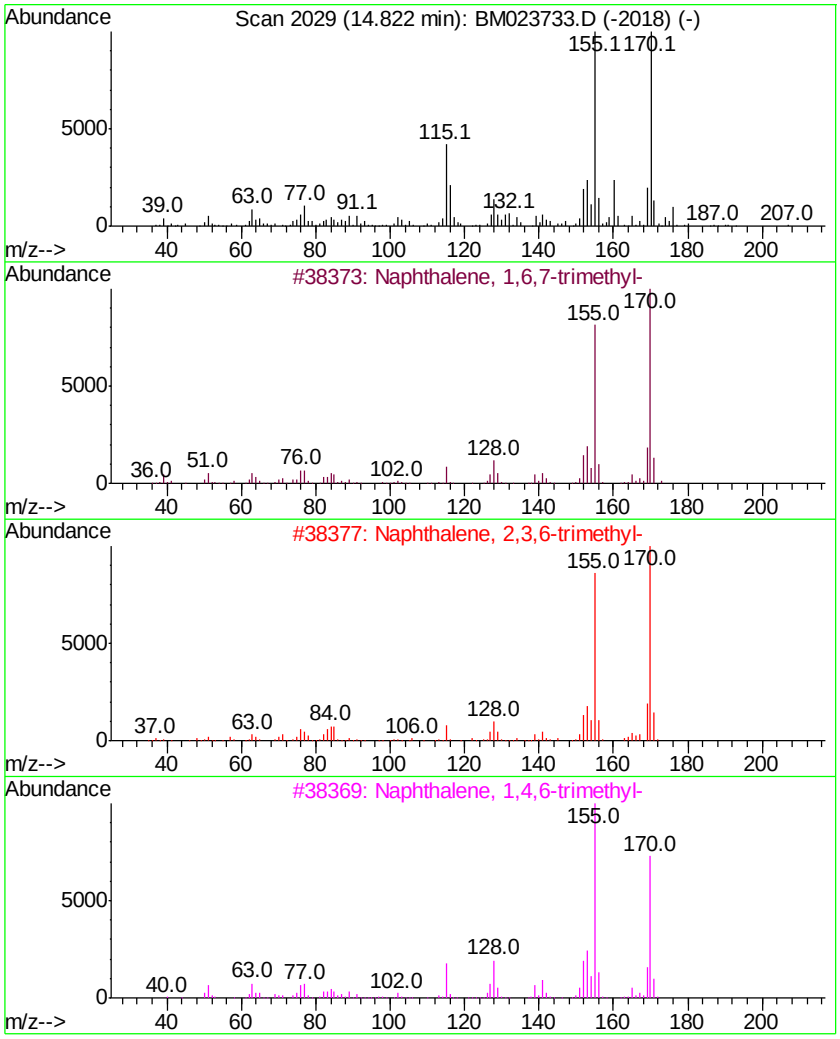
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

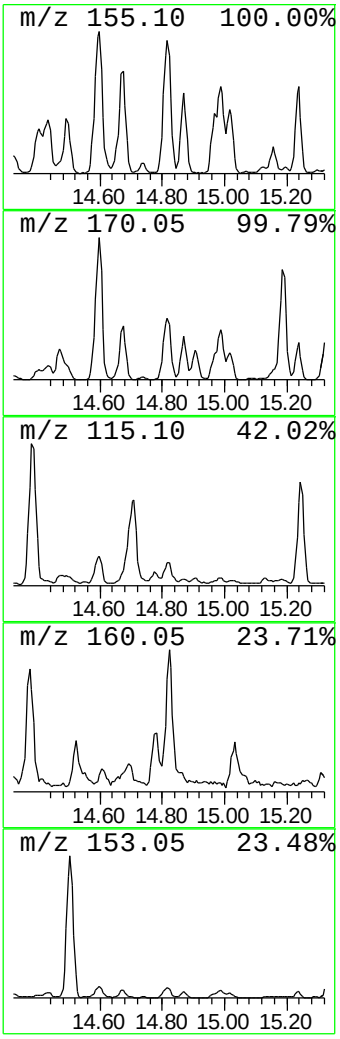
**********

Peak Number 16 Naphthalene, 1,6,7-trimethyl- Concentration Rank 45

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.82 | 5.26 ng/ul | 1541630 | Acenaphthene-d10 | 14.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 98 |
| 2 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 97 |
| 3 | Naphthalene, 1,4,6-trimethyl- | 170 | C13H14 | 002131-42-2 | 97 |
| 4 | Naphthalene, 2,3,6-trimethyl- | 170 | C13H14 | 000829-26-5 | 97 |
| 5 | Naphthalene, 1,6,7-trimethyl- | 170 | C13H14 | 002245-38-7 | 97 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

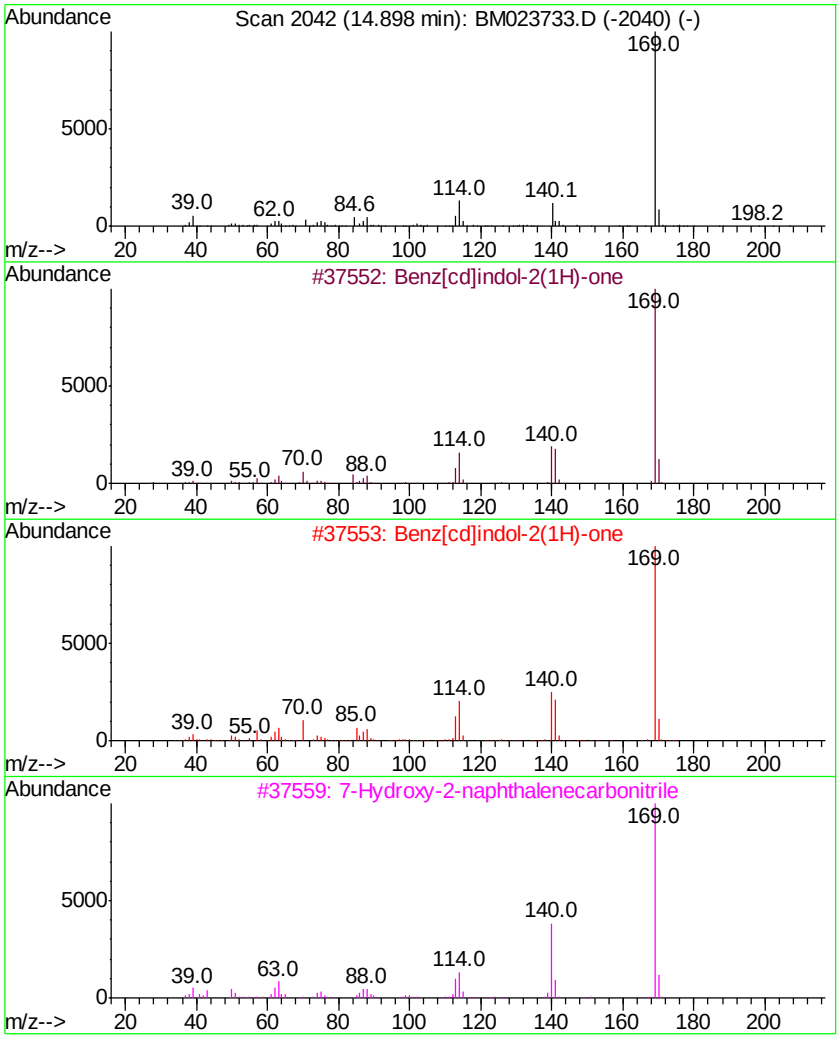
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

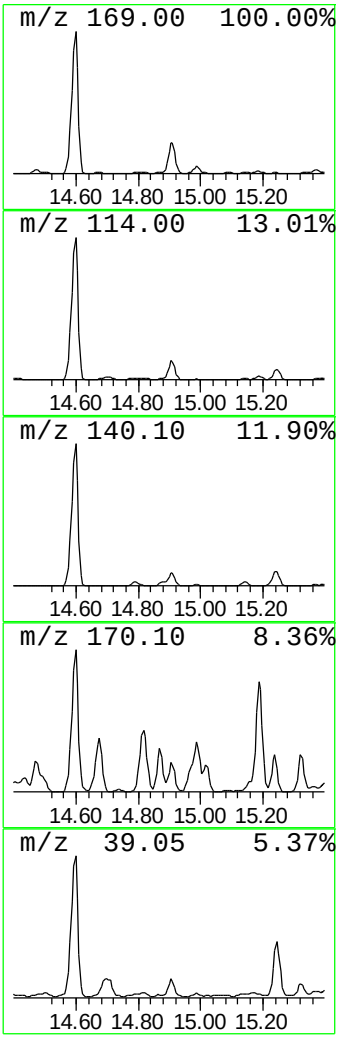
**********

Peak Number 17 Benz[cd]indol-2(1H)-one Concentration Rank 53

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.90 | 4.08 ng/ul | 1194170 | Acenaphthene-d10 | 14.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benz[cd]indol-2(1H)-one | 169 | C11H7NO | 000130-00-7 | 83 |
| 2 | Benz[cd]indol-2(1H)-one | 169 | C11H7NO | 000130-00-7 | 78 |
| 3 | 7-Hydroxy-2-naphthalenecarbonitrile | 169 | C11H7NO | 1000326-75-0 | 72 |
| 4 | 6-Hydroxy-1-naphthalenecarbonitrile | 169 | C11H7NO | 1000326-74-7 | 72 |
| 5 | Naphthalene, 1-isocyanato- | 169 | C11H7NO | 000086-84-0 | 72 |



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Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

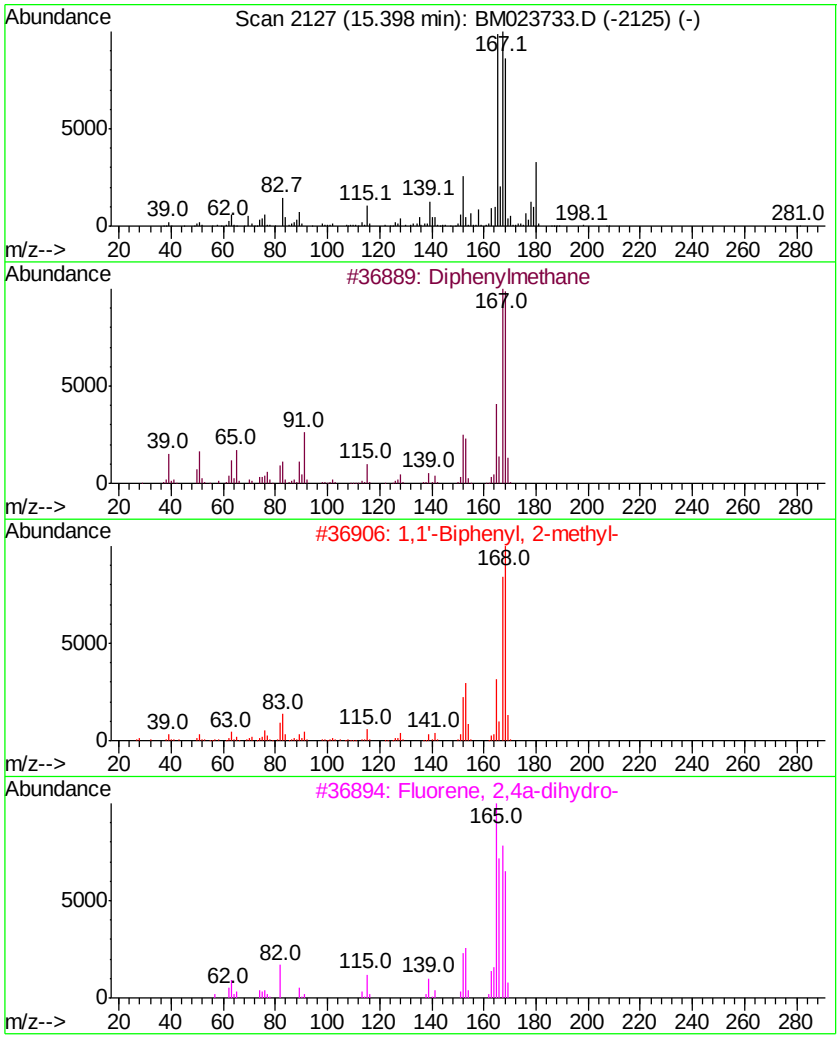
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

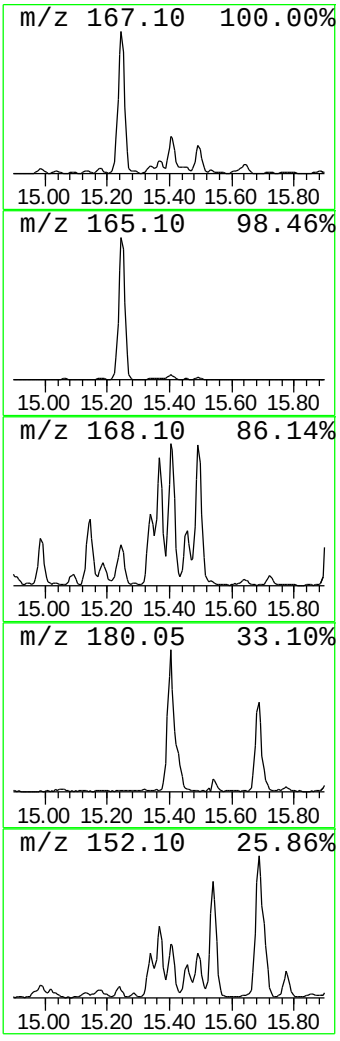
**********

Peak Number 18 unknown-02 Concentration Rank 33

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.40 | 8.91 ng/ul | 2609830 | Acenaphthene-d10 | 14.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Diphenylmethane | 168 | C13H12 | 000101-81-5 | 49 |
| 2 | 1,1'-Biphenyl, 2-methyl- | 168 | C13H12 | 000643-58-3 | 49 |
| 3 | Fluorene, 2,4a-dihydro- | 168 | C13H12 | 059247-36-8 | 49 |
| 4 | Diphenylmethane | 168 | C13H12 | 000101-81-5 | 49 |
| 5 | 1,1'-Biphenyl, 2-methyl- | 168 | C13H12 | 000643-58-3 | 47 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

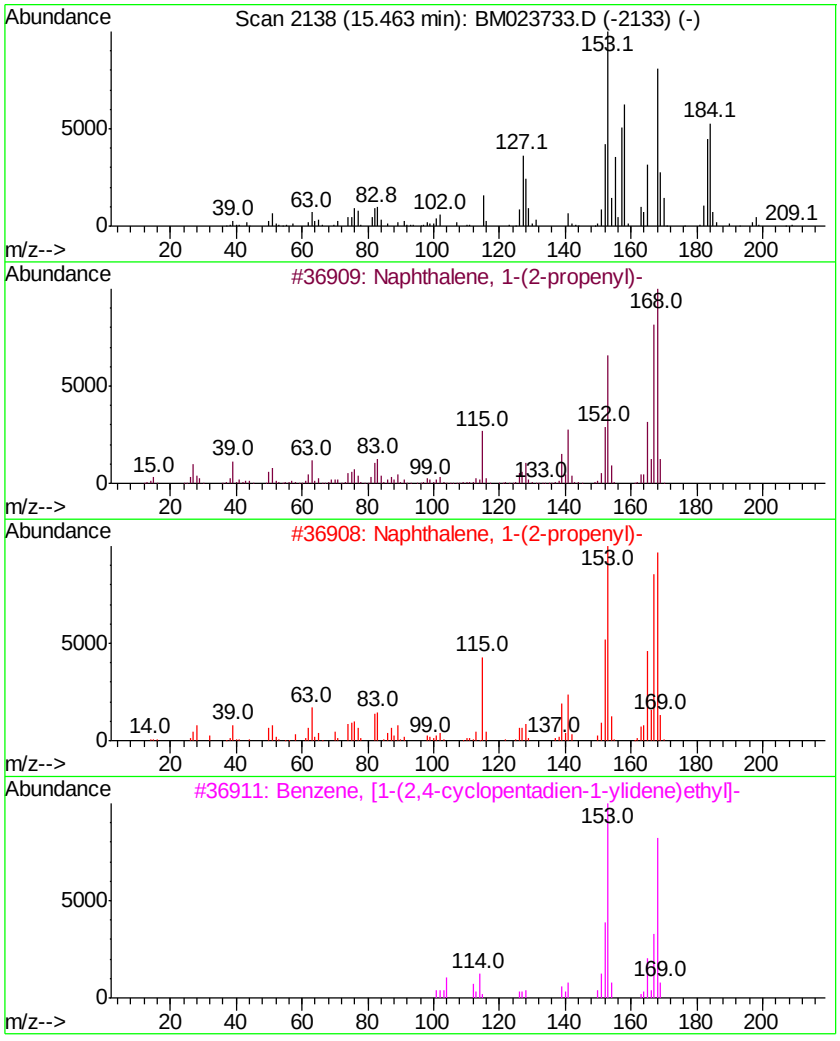
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

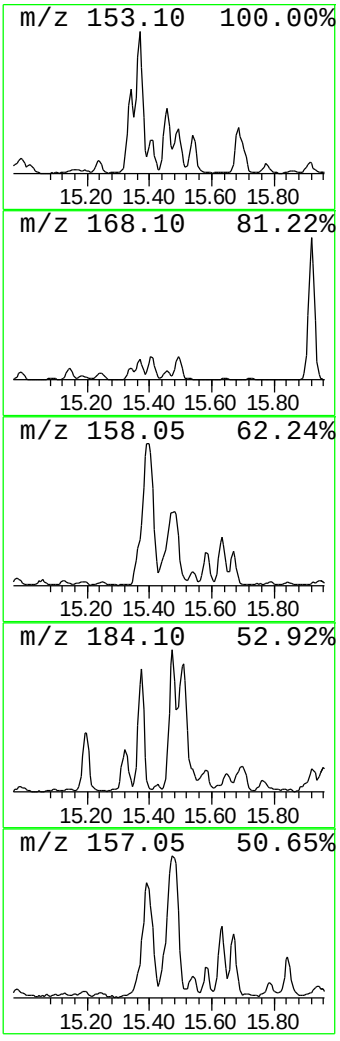
**********

Peak Number 19 unknown-03 Concentration Rank 55

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.46 | 3.64 ng/ul | 1067090 | Acenaphthene-d10 | 14.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1-(2-propenyl)- | 168 | C13H12 | 002489-86-3 | 43 |
| 2 | Naphthalene, 1-(2-propenyl)- | 168 | C13H12 | 002489-86-3 | 38 |
| 3 | Benzene, [1-(2,4-cyclopentadien-... | 168 | C13H12 | 002320-32-3 | 32 |
| 4 | 1,1,4,4-Tetramethyl-1,4-disilacy... | 168 | C8H16Si2 | 020627-53-6 | 30 |
| 5 | Benzene, 2-chloro-1-methyl-4-(1-... | 168 | C10H13Cl | 004395-79-3 | 16 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

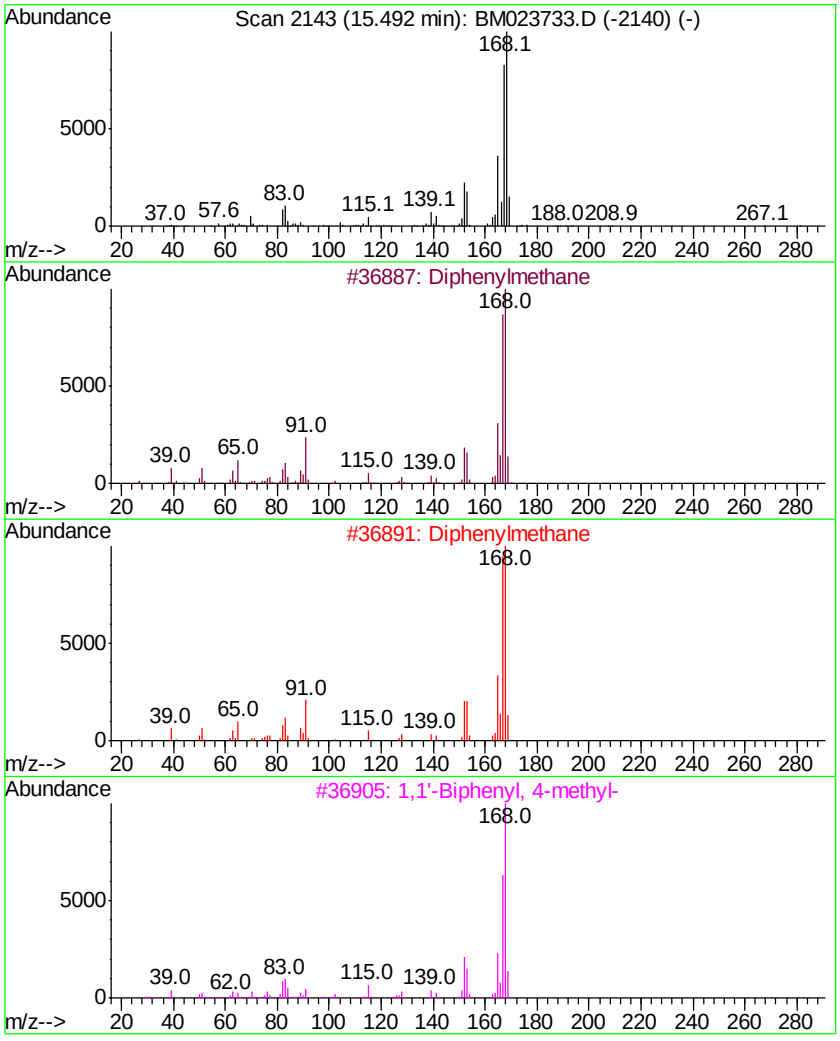
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

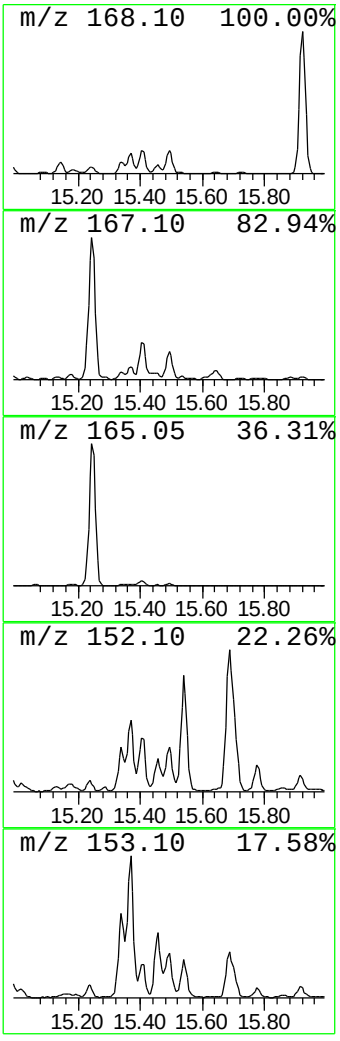
**********

Peak Number 20 Diphenylmethane Concentration Rank 42

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.49 | 5.86 ng/ul | 1717500 | Acenaphthene-d10 | 14.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Diphenylmethane | 168 | C13H12 | 000101-81-5 | 90 |
| 2 | Diphenylmethane | 168 | C13H12 | 000101-81-5 | 90 |
| 3 | 1,1'-Biphenyl, 4-methyl- | 168 | C13H12 | 000644-08-6 | 90 |
| 4 | 1,1'-Biphenyl, 4-methyl- | 168 | C13H12 | 000644-08-6 | 90 |
| 5 | 1,1'-Biphenyl, 4-methyl- | 168 | C13H12 | 000644-08-6 | 90 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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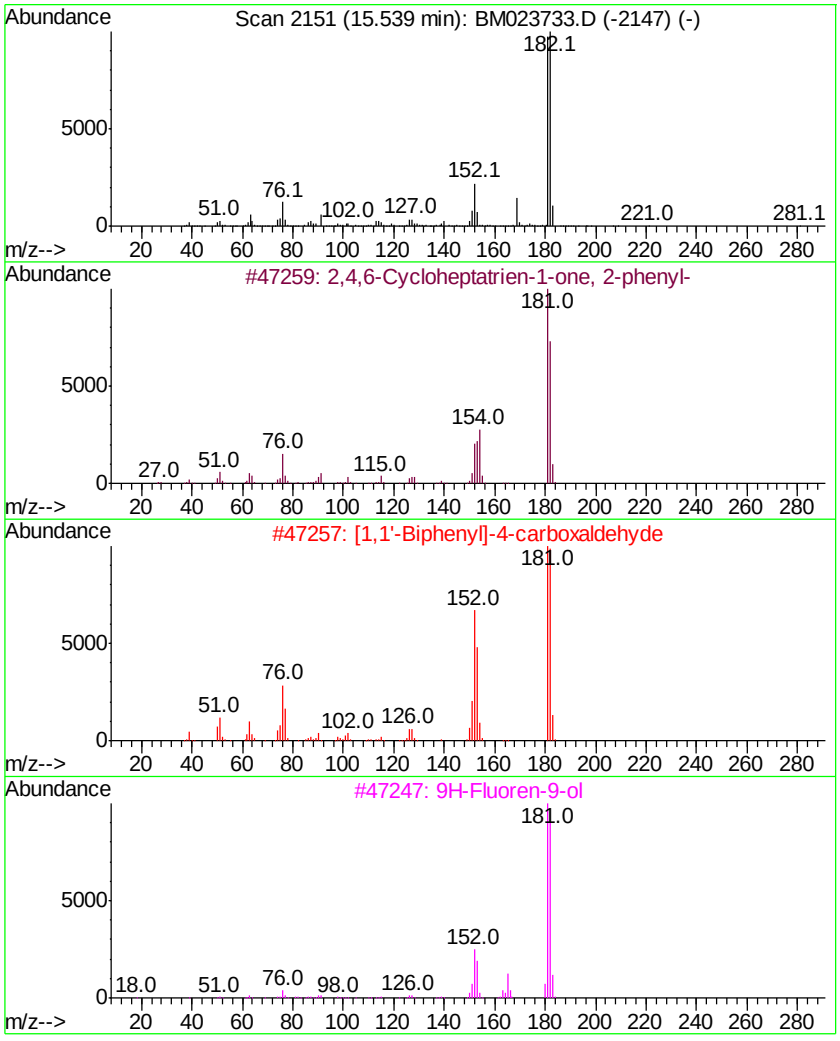
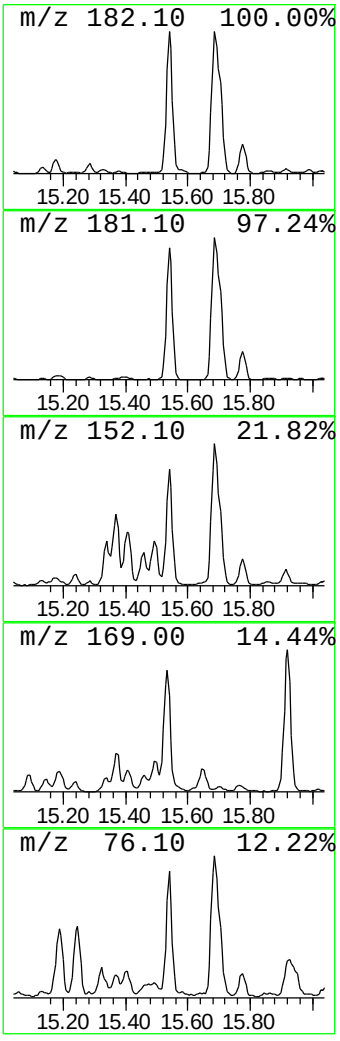
Peak Number 21 2,4,6-Cycloheptatrien-1-one... Concentration Rank 26

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.54 | 12.08 ng/ul | 3539920 | Acenaphthene-d10 | 14.19 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,4,6-Cycloheptatrien-1-one, 2-p... | 182 | C13H10O | 014562-09-5 | 80 |
| 2 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 78 |
| 3 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 72 |
| 4 | Pyrido[2,3-b]indole, 6-methyl- | 182 | C12H10N2 | 108349-67-3 | 64 |
| 5 | 2,4,6-Cycloheptatrien-1-one, 2-p... | 182 | C13H10O | 014562-09-5 | 59 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

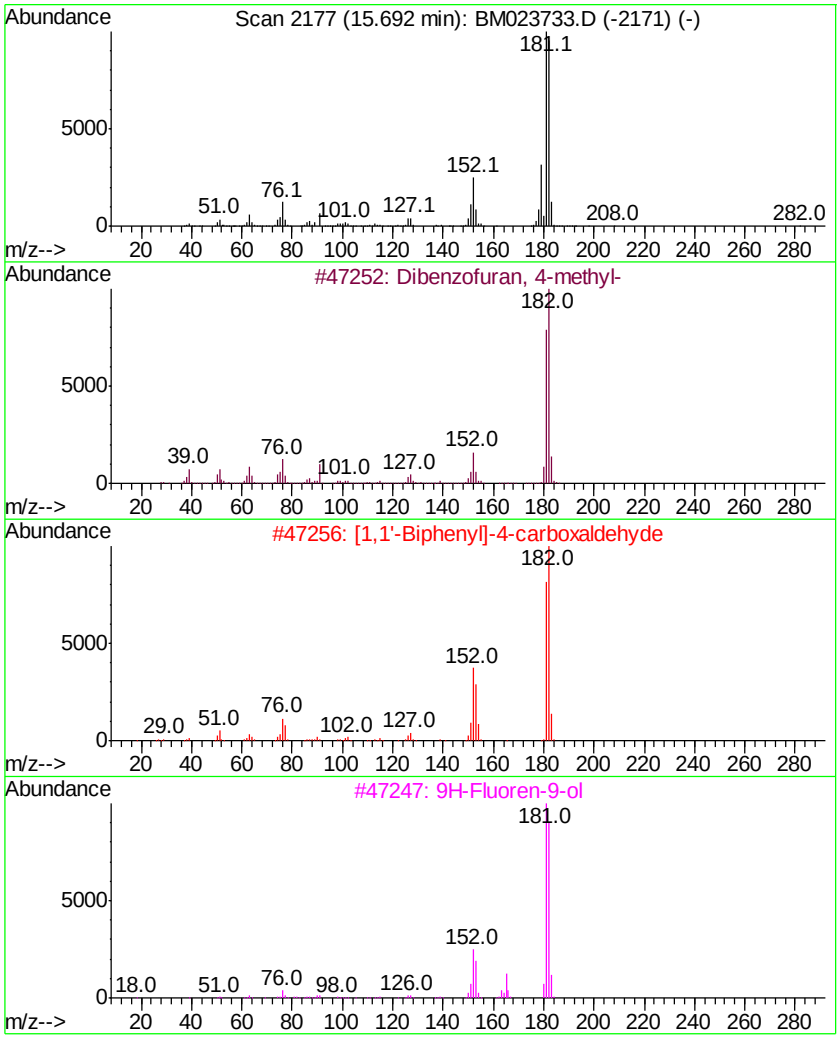
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

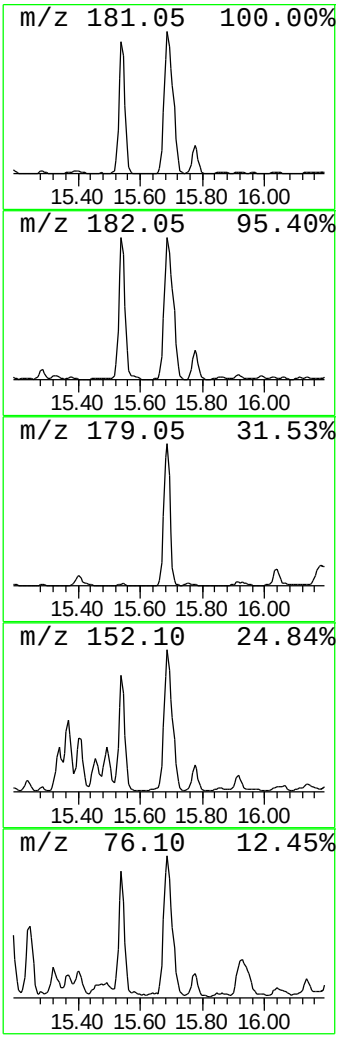
**********

Peak Number 22 Dibenzofuran, 4-methyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.69 | 26.44 ng/ul | 5114630 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzofuran, 4-methyl- | 182 | C13H10O | 007320-53-8 | 80 |
| 2 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 76 |
| 3 | 9H-Fluoren-9-ol | 182 | C13H10O | 001689-64-1 | 72 |
| 4 | [1,1'-Biphenyl]-4-carboxaldehyde | 182 | C13H10O | 003218-36-8 | 72 |
| 5 | 2,4,6-Cycloheptatrien-1-one, 2-p... | 182 | C13H10O | 014562-09-5 | 72 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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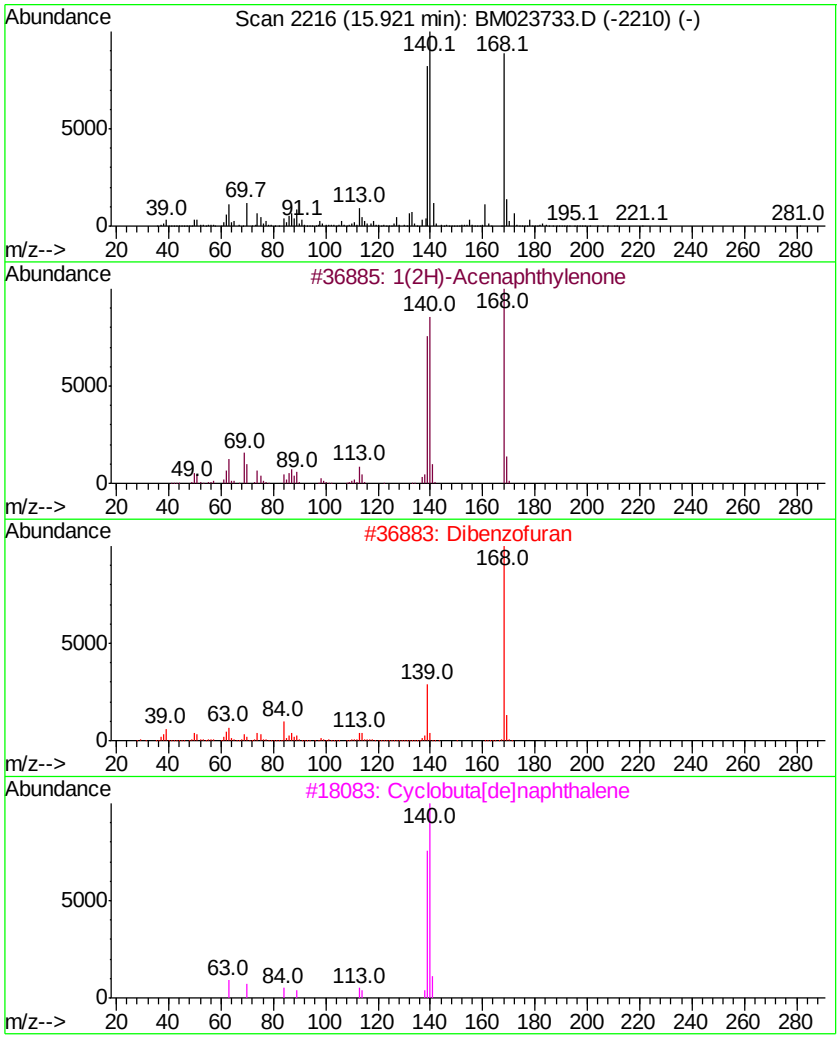
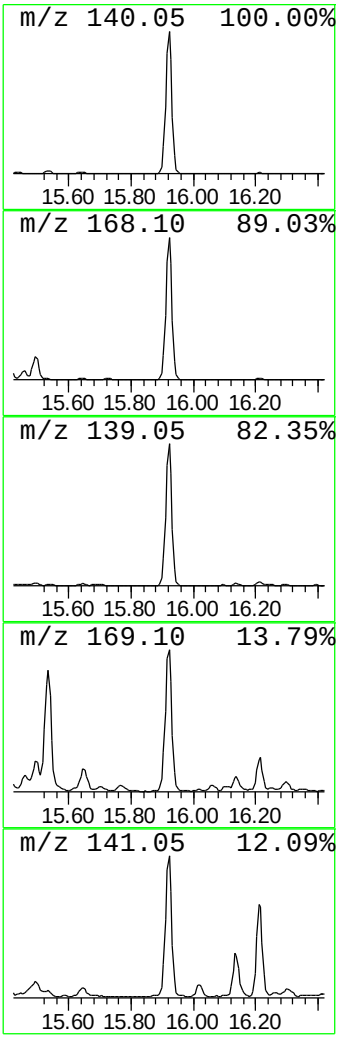
Peak Number 23 1(2H)-Acenaphthylenone Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.92 | 67.42 ng/ul | 13044100 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1(2H)-Acenaphthylenone | 168 | C12H8O | 002235-15-6 | 96 |
| 2 | Dibenzofuran | 168 | C12H8O | 000132-64-9 | 64 |
| 3 | Cyclobuta[de]naphthalene | 140 | C11H8 | 024973-91-9 | 60 |
| 4 | Dibenzofuran | 168 | C12H8O | 000132-64-9 | 50 |
| 5 | 7(4H)-Benzothiazolone, 2-amino-5... | 168 | C7H8N2OS | 017583-10-7 | 50 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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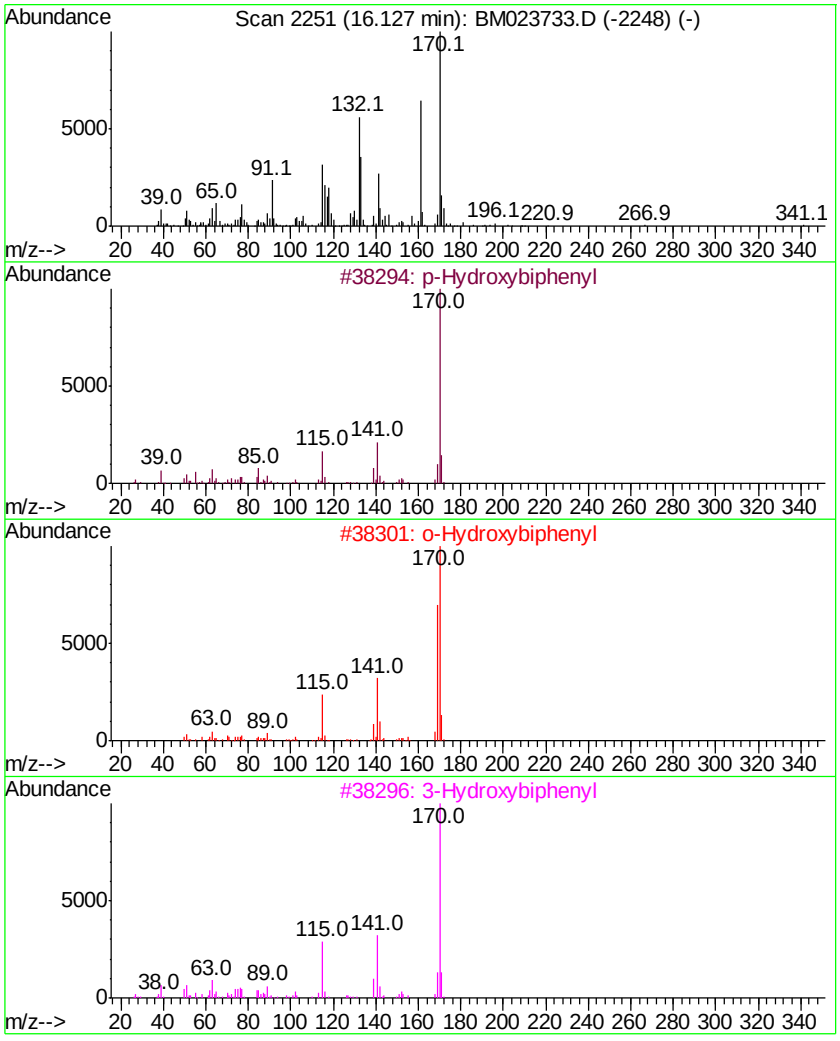
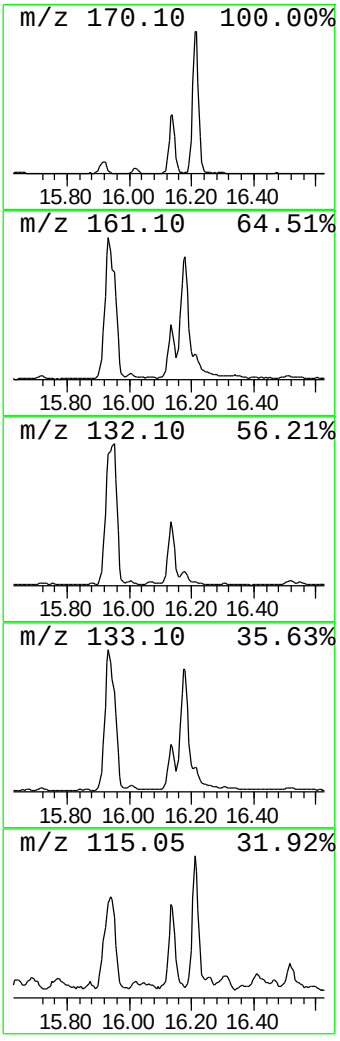
Peak Number 24 unknown-04 Concentration Rank 34

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.13 | 8.80 ng/ul | 1702330 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | p-Hydroxybiphenyl | 170 | C12H10O | 000092-69-3 | 41 |
| 2 | o-Hydroxybiphenyl | 170 | C12H10O | 000090-43-7 | 41 |
| 3 | 3-Hydroxybiphenyl | 170 | C12H10O | 000580-51-8 | 38 |
| 4 | o-Hydroxybiphenyl | 170 | C12H10O | 000090-43-7 | 38 |
| 5 | p-Hydroxybiphenyl | 170 | C12H10O | 000092-69-3 | 35 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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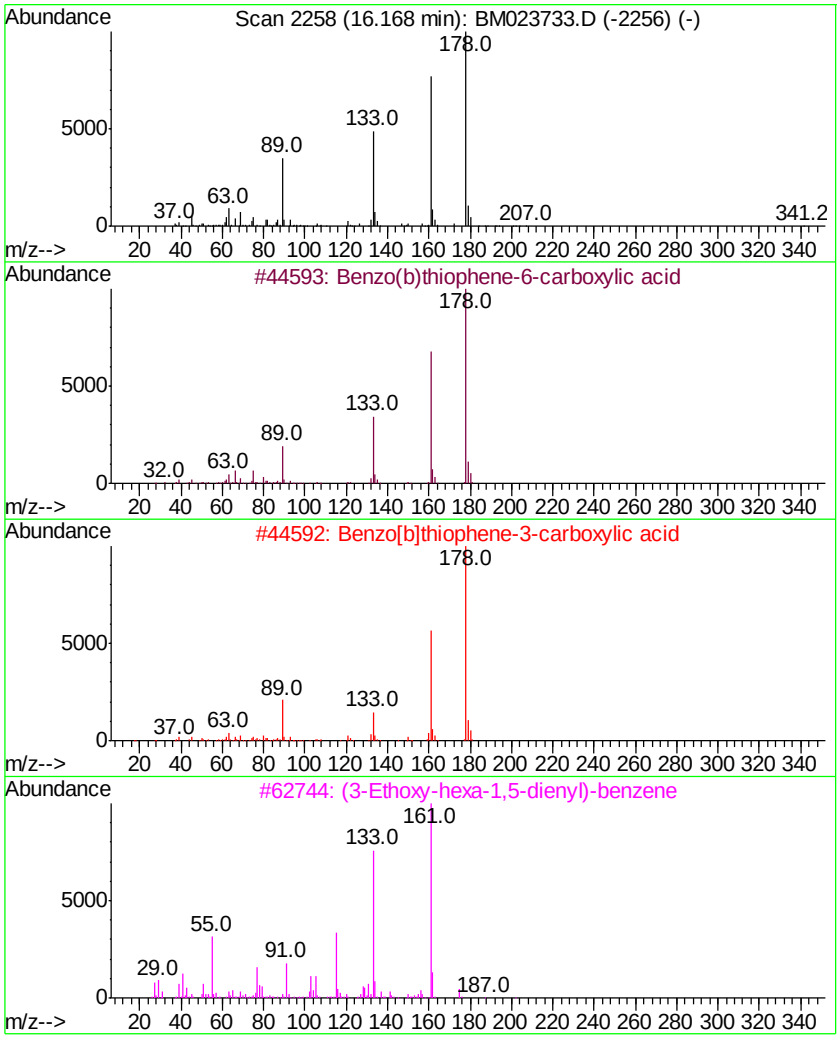
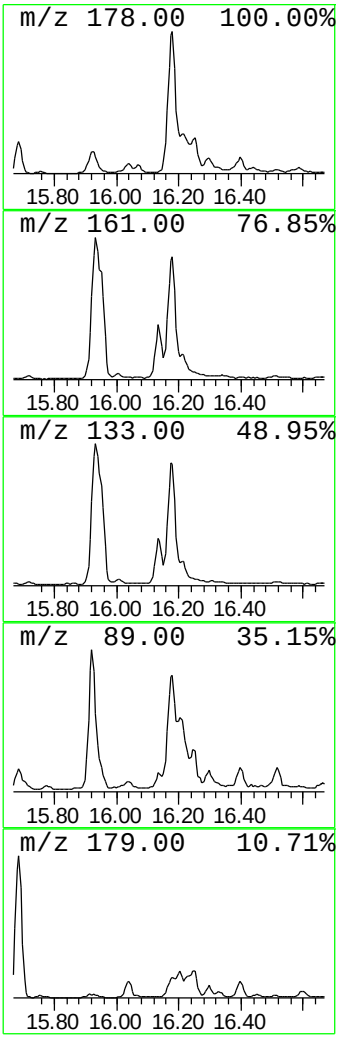
Peak Number 25 Benzo(b)thiophene-6-carboxy... Concentration Rank 31

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.17 | 9.56 ng/ul | 1850560 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzo(b)thiophene-6-carboxylic acid | 178 | C9H6O2S | 006179-26-6 | 91 |
| 2 | Benzo[b]thiophene-3-carboxylic acid | 178 | C9H6O2S | 005381-25-9 | 74 |
| 3 | (3-Ethoxy-hexa-1,5-dienyl)-benzene | 202 | C14H18O | 067323-95-9 | 38 |
| 4 | Thianaphthene-2-carboxylic hydra... | 192 | C9H8N2OS | 175135-07-6 | 38 |
| 5 | Thianaphthene-2-carboxylic acid | 178 | C9H6O2S | 006314-28-9 | 35 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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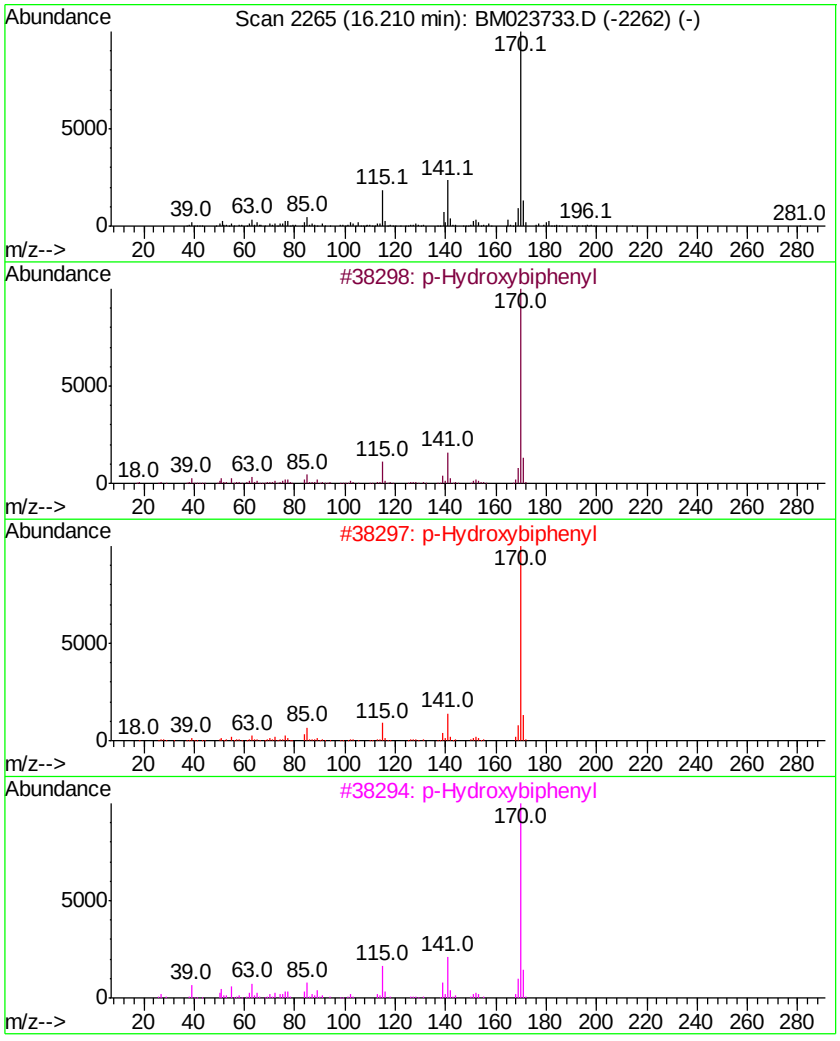
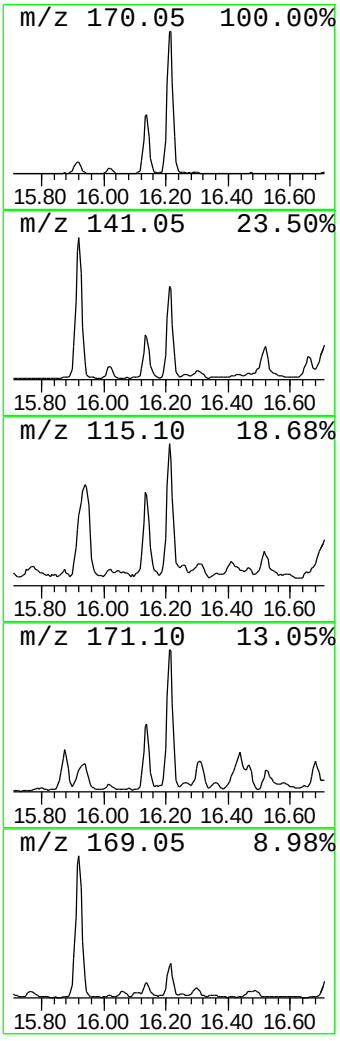
Peak Number 26 p-Hydroxybiphenyl Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.21 | 16.06 ng/ul | 3107110 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | p-Hydroxybiphenyl | 170 | C12H10O | 000092-69-3 | 95 |
| 2 | p-Hydroxybiphenyl | 170 | C12H10O | 000092-69-3 | 94 |
| 3 | p-Hydroxybiphenyl | 170 | C12H10O | 000092-69-3 | 94 |
| 4 | 3-Hydroxybiphenyl | 170 | C12H10O | 000580-51-8 | 93 |
| 5 | p-Hydroxybiphenyl | 170 | C12H10O | 000092-69-3 | 91 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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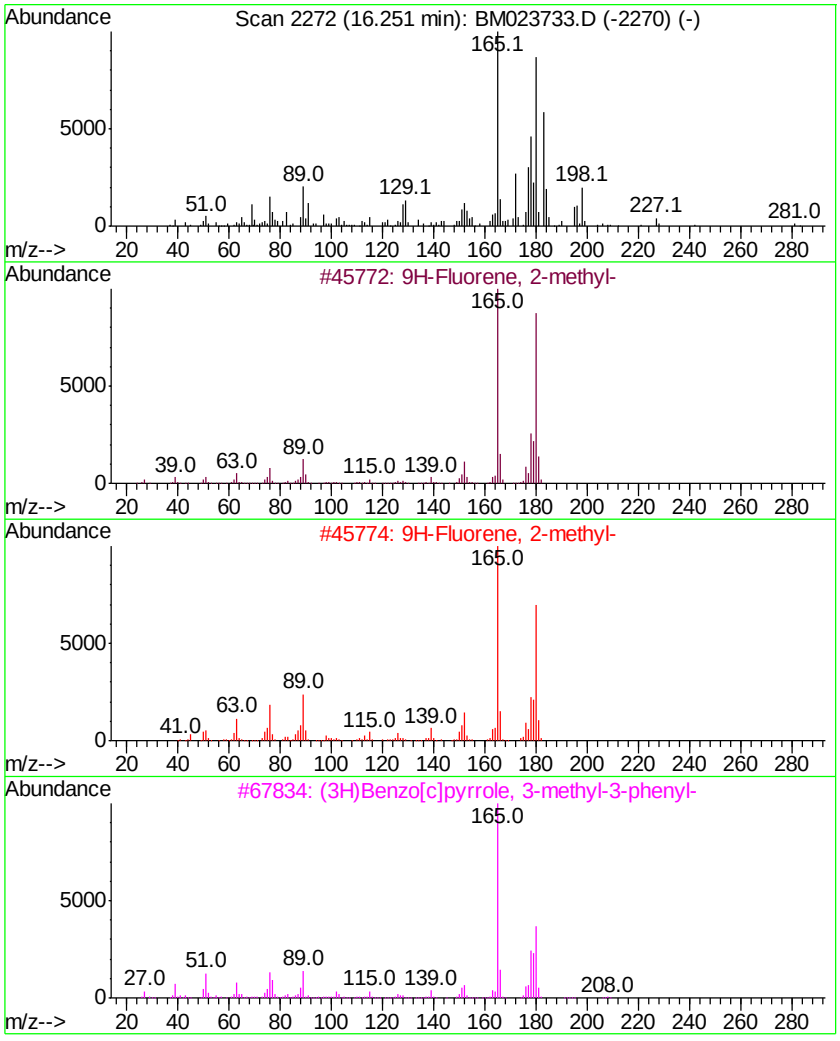
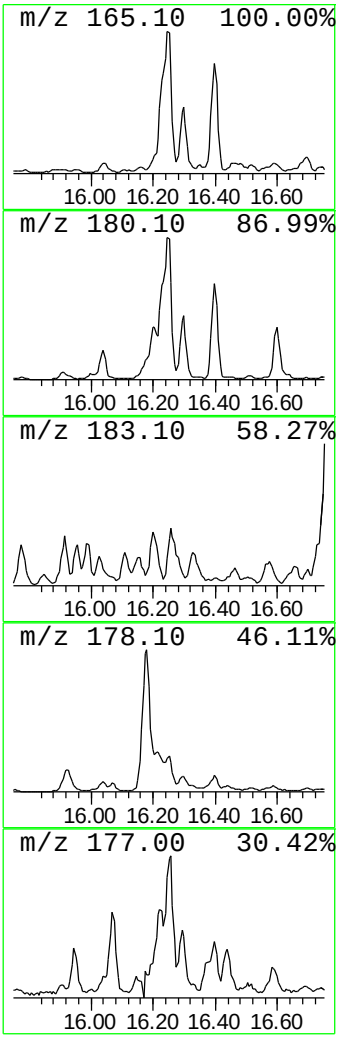
Peak Number 27 9H-Fluorene, 2-methyl- Concentration Rank 47

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.25 | 5.14 ng/ul | 994888 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 64 |
| 2 | 9H-Fluorene, 2-methyl- | 180 | C14H12 | 001430-97-3 | 64 |
| 3 | (3H)Benzo[c]pyrrole, 3-methyl-3-... | 208 | C14H12N2 | 059341-20-7 | 55 |
| 4 | 9H-Fluorene, 1-methyl- | 180 | C14H12 | 001730-37-6 | 50 |
| 5 | 9H-Fluorene, 4-methyl- | 180 | C14H12 | 001556-99-6 | 50 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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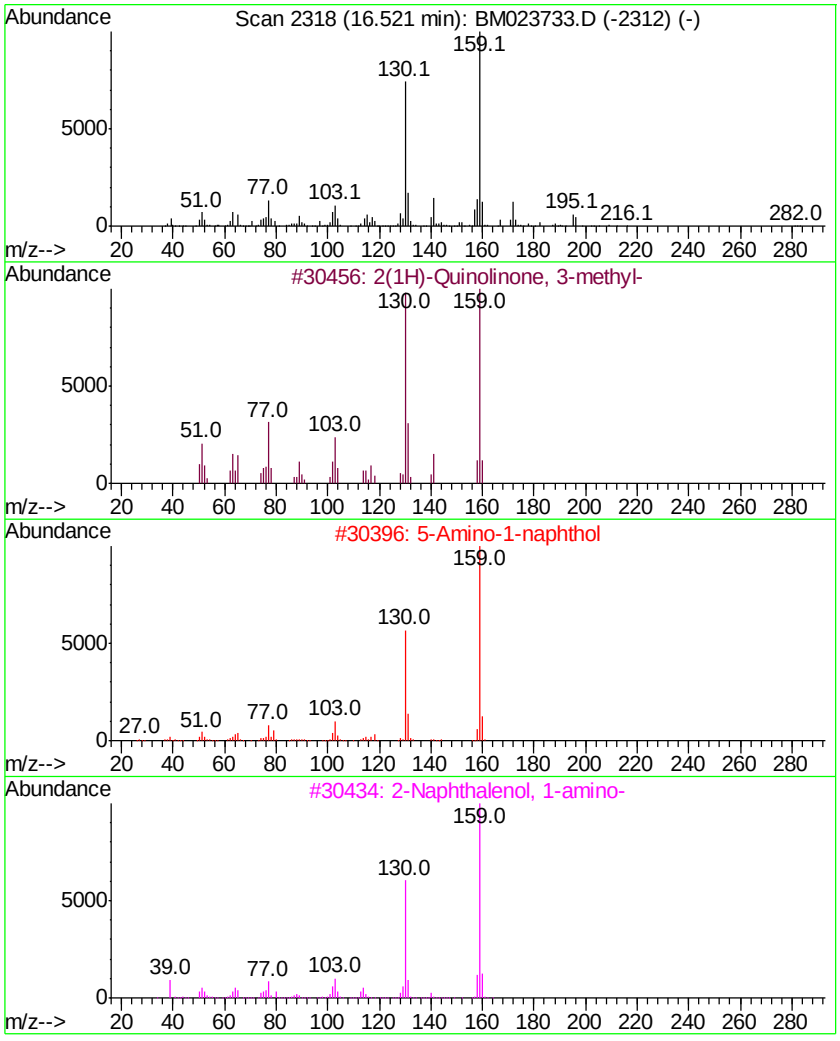
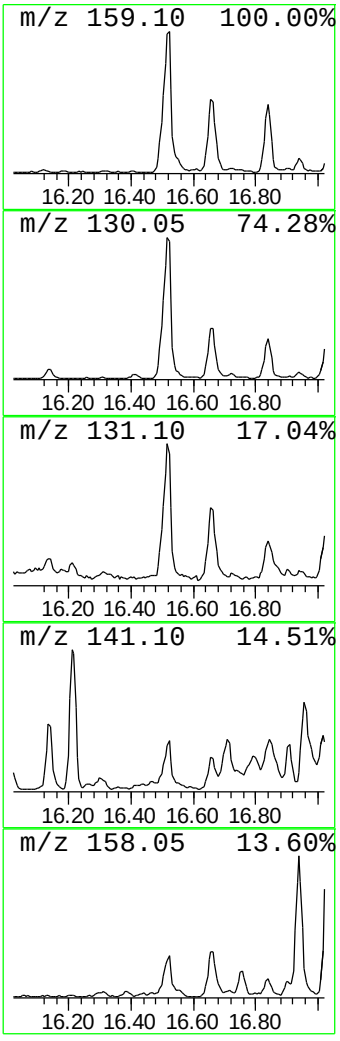
Peak Number 28 2(1H)-Quinolinone, 3-methyl- Concentration Rank 37

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.52 | 7.15 ng/ul | 1383030 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2(1H)-Quinolinone, 3-methyl- | 159 | C10H9NO | 002721-59-7 | 97 |
| 2 | 5-Amino-1-naphthol | 159 | C10H9NO | 000083-55-6 | 90 |
| 3 | 2-Naphthalenol, 1-amino- | 159 | C10H9NO | 002834-92-6 | 90 |
| 4 | 1-Naphthalenol, 2-amino- | 159 | C10H9NO | 000606-41-7 | 90 |
| 5 | 2-Naphthalenol, 1-amino- | 159 | C10H9NO | 002834-92-6 | 87 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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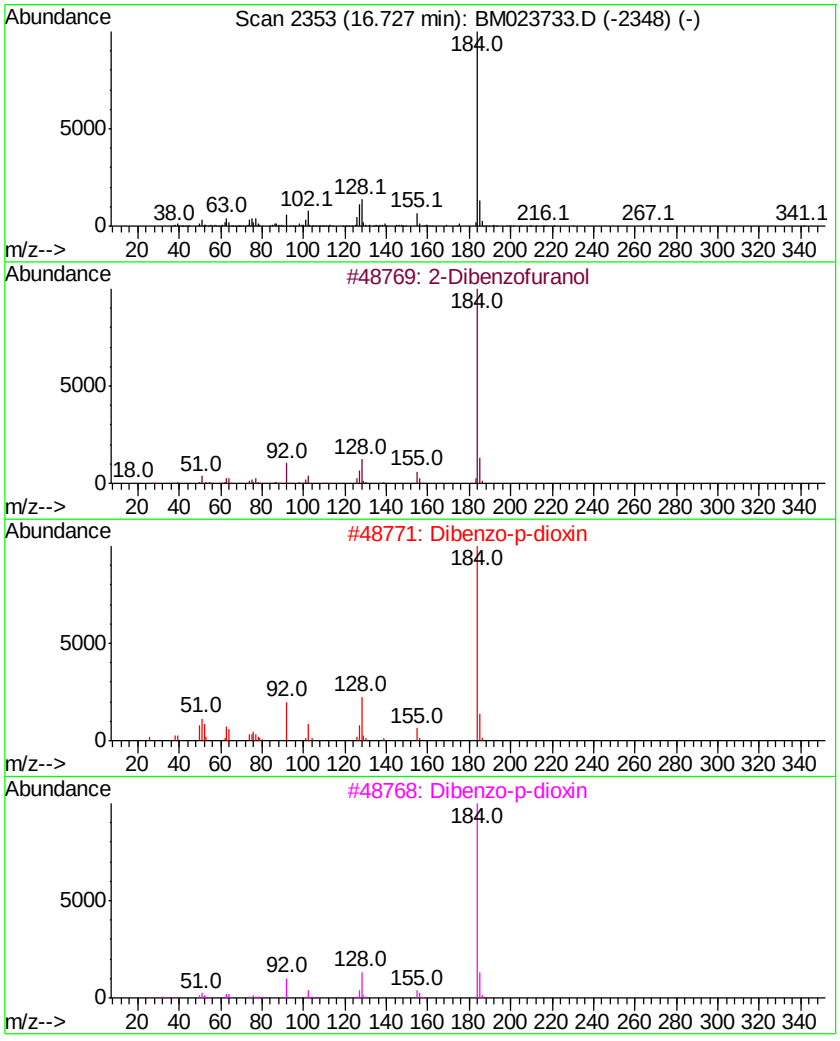
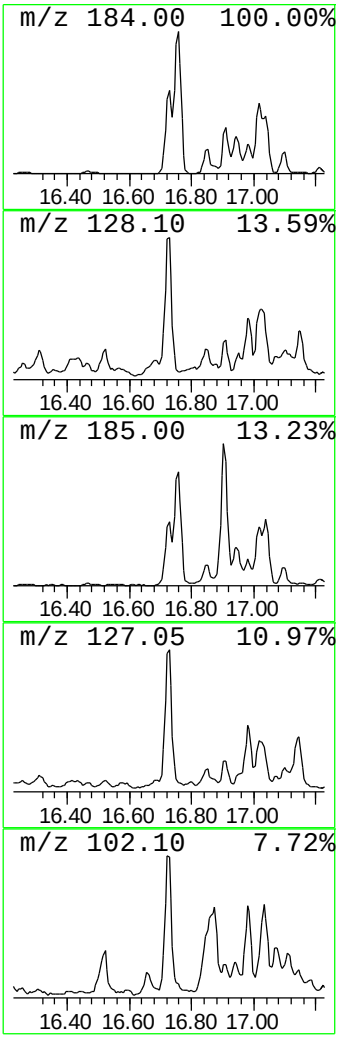
Peak Number 29 2-Dibenzofuranol Concentration Rank 30

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.73 | 9.71 ng/ul | 1879570 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Dibenzofuranol | 184 | C12H8O2 | 000086-77-1 | 91 |
| 2 | Dibenzo-p-dioxin | 184 | C12H8O2 | 000262-12-4 | 87 |
| 3 | Dibenzo-p-dioxin | 184 | C12H8O2 | 000262-12-4 | 83 |
| 4 | Dibenzo-p-dioxin | 184 | C12H8O2 | 000262-12-4 | 72 |
| 5 | Benzene, 1-methoxy-4-(2,2-dicyan... | 184 | C11H8N2O | 002826-26-8 | 64 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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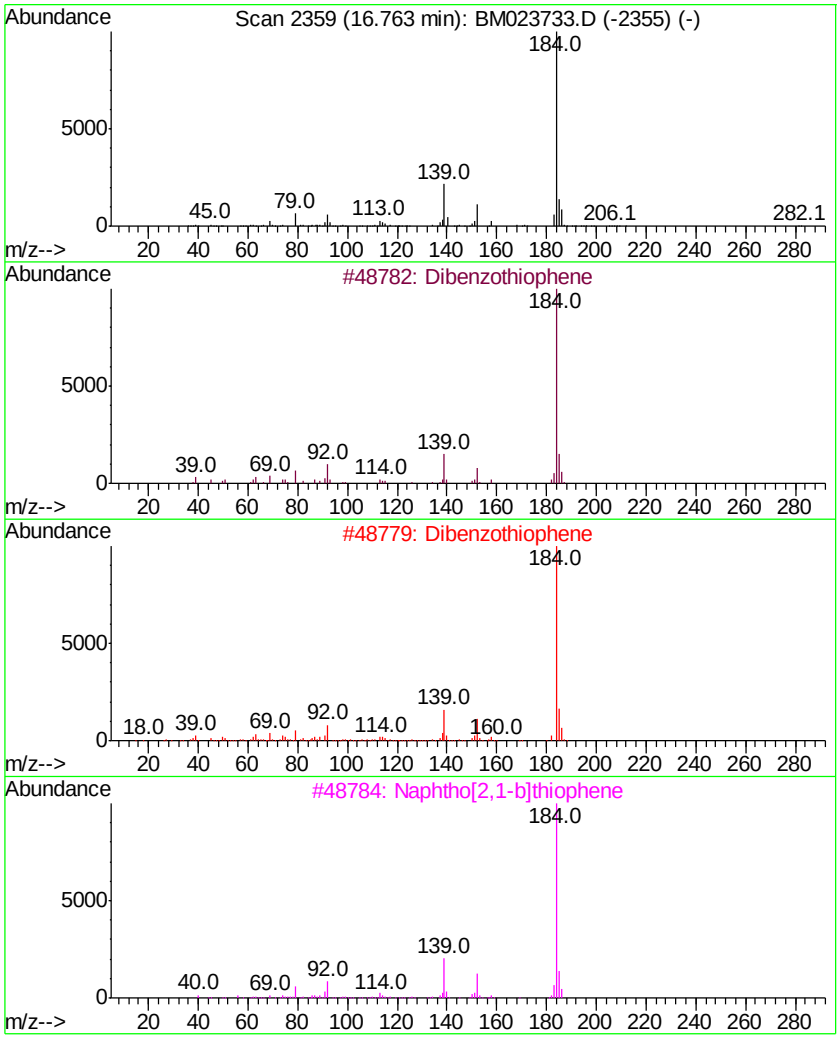
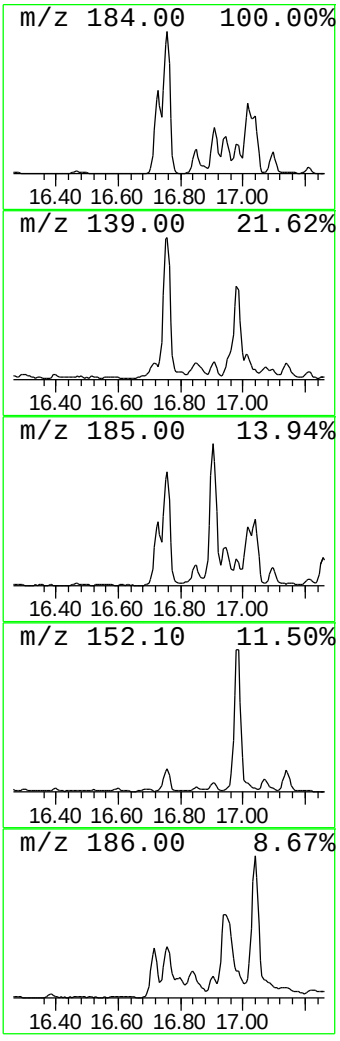
Peak Number 30 Dibenzothiophene Concentration Rank 21

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.76 | 15.14 ng/ul | 2929820 | Phenanthrene-d10 | 16.94 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 97 |
| 2 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 95 |
| 3 | Naphtho[2,1-b]thiophene | 184 | C12H8S | 000233-02-3 | 95 |
| 4 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 94 |
| 5 | Dibenzothiophene | 184 | C12H8S | 000132-65-0 | 94 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.M
Quant Title : SVOA CALIBRATION

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

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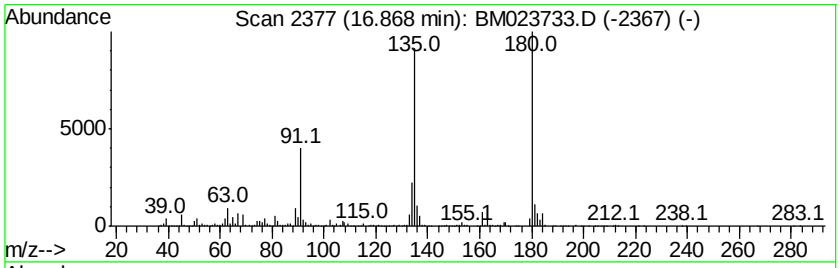
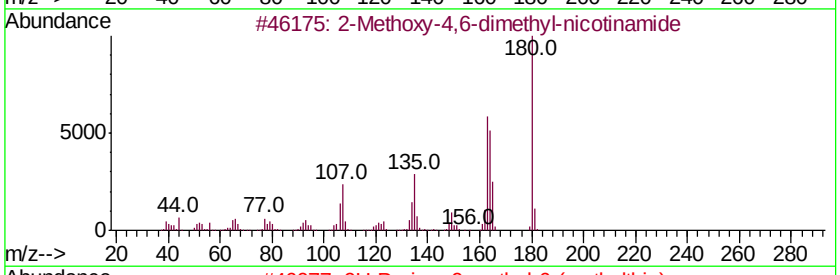
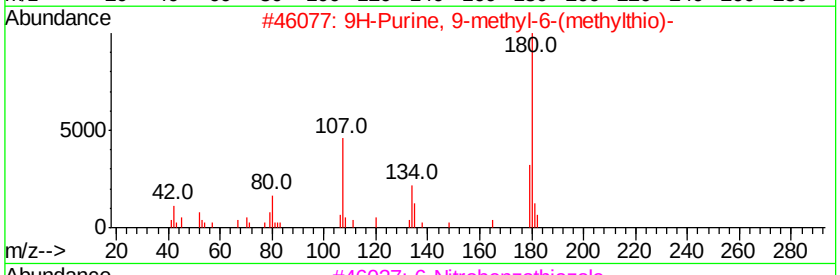
Peak Number 31 unknown-05 Concentration Rank 5

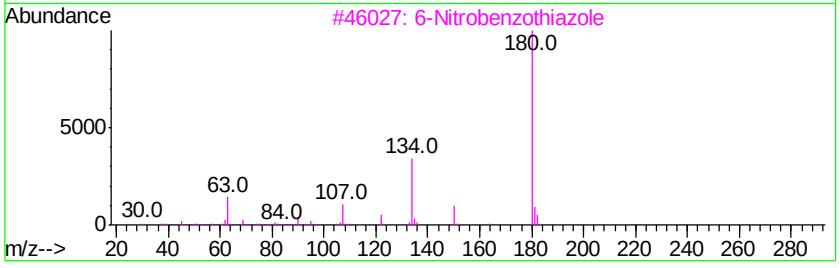
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.87 | 53.02 ng/ul | 10257500 | Phenanthrene-d10 | 16.94 |

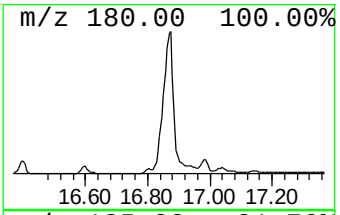
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Methoxy-4,6-dimethyl-nicotinamide | 180 | C9H12N2O2 | 309755-79-1 | 43 |
| 2 | 9H-Purine, 9-methyl-6-(methylthio)- | 180 | C7H8N4S | 001127-75-9 | 43 |
| 3 | 6-Nitrobenzothiazole | 180 | C7H4N2O2S | 002942-06-5 | 38 |
| 4 | Benzene, 1-isothiocyanato-3-nitro- | 180 | C7H4N2O2S | 003529-82-6 | 38 |
| 5 | 1,2-Benzenedimethanethiol, S-ace... | 212 | C10H12OS2 | 1000353-02-8 | 38 |

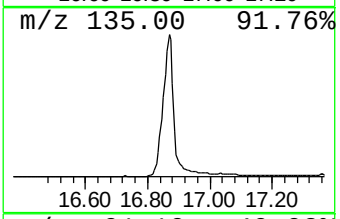


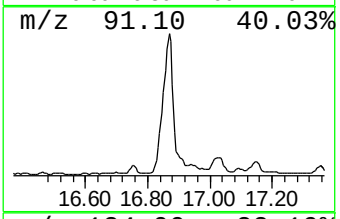



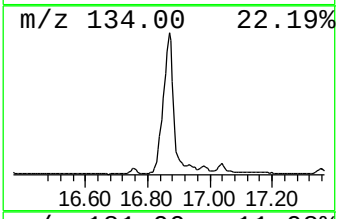



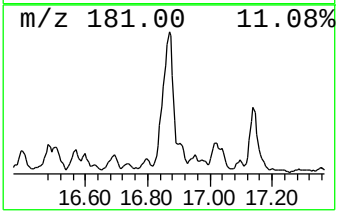



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM111419\
Data File : BM023733.D
Acq On : 15 Nov 2019 01:42
Operator : JU
Sample : K5700-08
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BEGW9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111119MA.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 |
| o-Xylene | 5.56 | 9.9 | ng/ul | 1135290 | 1 | 7.53 | 2284140 | 20.0 |
| Benzene, 1,2,3-tr... | 7.18 | 30.3 | ng/ul | 3459670 | 1 | 7.53 | 2284140 | 20.0 |
| Mesitylene | 7.65 | 9.9 | ng/ul | 1135190 | 1 | 7.53 | 2284140 | 20.0 |
| Indane | 7.90 | 65.9 | ng/ul | 7521600 | 1 | 7.53 | 2284140 | 20.0 |
| Indene | 8.06 | 148.8 | ng/ul | 16998300 | 1 | 7.53 | 2284140 | 20.0 |
| Benzofuran, 2-met... | 8.87 | 28.6 | ng/ul | 3261190 | 1 | 7.53 | 2284140 | 20.0 |
| Naphthalene, 1-me... | 12.21 | 4.3 | ng/ul | 31469200 | 2 | 10.32 | 145614000 | 20.0 |
| Naphthalene, 2-et... | 13.21 | 5.2 | ng/ul | 1533870 | 3 | 14.19 | 5858510 | 20.0 |
| 5,6-Dimethyl-2-be... | 13.23 | 4.1 | ng/ul | 1196550 | 3 | 14.19 | 5858510 | 20.0 |
| Naphthalene, 2,6-... | 13.36 | 14.9 | ng/ul | 4362660 | 3 | 14.19 | 5858510 | 20.0 |
| Naphthalene, 2,3-... | 13.75 | 12.3 | ng/ul | 3614920 | 3 | 14.19 | 5858510 | 20.0 |
| Naphthalene, 1,7-... | 13.77 | 4.6 | ng/ul | 1336340 | 3 | 14.19 | 5858510 | 20.0 |
| unknown-01 | 14.50 | 5.9 | ng/ul | 1715220 | 3 | 14.19 | 5858510 | 20.0 |
| 2-Propenoic acid,... | 14.69 | 16.9 | ng/ul | 4966520 | 3 | 14.19 | 5858510 | 20.0 |
| Naphthalene, 1,6,... | 14.82 | 5.3 | ng/ul | 1541630 | 3 | 14.19 | 5858510 | 20.0 |
| Benz[cd]indol-2(1... | 14.90 | 4.1 | ng/ul | 1194170 | 3 | 14.19 | 5858510 | 20.0 |
| unknown-02 | 15.40 | 8.9 | ng/ul | 2609830 | 3 | 14.19 | 5858510 | 20.0 |
| unknown-03 | 15.46 | 3.6 | ng/ul | 1067090 | 3 | 14.19 | 5858510 | 20.0 |
| Diphenylmethane | 15.49 | 5.9 | ng/ul | 1717500 | 3 | 14.19 | 5858510 | 20.0 |
| 2,4,6-Cycloheptat... | 15.54 | 12.1 | ng/ul | 3539920 | 3 | 14.19 | 5858510 | 20.0 |
| Dibenzofuran, 4-m... | 15.69 | 26.4 | ng/ul | 5114630 | 4 | 16.94 | 3869450 | 20.0 |
| 1(2H)-Acenaphthyl... | 15.92 | 67.4 | ng/ul | 13044100 | 4 | 16.94 | 3869450 | 20.0 |
| unknown-04 | 16.13 | 8.8 | ng/ul | 1702330 | 4 | 16.94 | 3869450 | 20.0 |
| Benzo(b)thiophene... | 16.17 | 9.6 | ng/ul | 1850560 | 4 | 16.94 | 3869450 | 20.0 |
| p-Hydroxybiphenyl | 16.21 | 16.1 | ng/ul | 3107110 | 4 | 16.94 | 3869450 | 20.0 |
| 9H-Fluorene, 2-me... | 16.25 | 5.1 | ng/ul | 994888 | 4 | 16.94 | 3869450 | 20.0 |
| 2(1H)-Quinolinone... | 16.52 | 7.2 | ng/ul | 1383030 | 4 | 16.94 | 3869450 | 20.0 |
| 2-Dibenzofuranol | 16.73 | 9.7 | ng/ul | 1879570 | 4 | 16.94 | 3869450 | 20.0 |
| Dibenzothiophene | 16.76 | 15.1 | ng/ul | 2929820 | 4 | 16.94 | 3869450 | 20.0 |
| unknown-05 | 16.87 | 53.0 | ng/ul | 10257500 | 4 | 16.94 | 3869450 | 20.0 |