LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121219\
Data File : BM024092.D
Acq On : 13 Dec 2019 15:24
Operator : JU
Sample : K6167-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFQX7

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-BM112719MA.M
Title : SVOA CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.028 | 20 | 24 | 40 | rVB | 120543 | 214709 | 1.94% | 0.174% |
| 2 | 3.357 | 77 | 80 | 89 | rVB | 78316 | 108391 | 0.98% | 0.088% |
| 3 | 3.651 | 124 | 130 | 136 | rBV7 | 14177 | 36288 | 0.33% | 0.029% |
| 4 | 3.728 | 140 | 143 | 148 | rVB2 | 28555 | 37374 | 0.34% | 0.030% |
| 5 | 5.057 | 363 | 369 | 379 | rVB | 47506 | 92168 | 0.83% | 0.075% |
| 6 | 5.557 | 449 | 454 | 459 | rBV | 76080 | 120238 | 1.09% | 0.098% |
| 7 | 5.604 | 459 | 462 | 478 | rVB | 88446 | 176665 | 1.60% | 0.143% |
| 8 | 6.157 | 551 | 556 | 570 | rBV | 122902 | 211192 | 1.91% | 0.171% |
| 9 | 6.534 | 614 | 620 | 631 | rBV | 51184 | 106823 | 0.97% | 0.087% |
| 10 | 6.663 | 631 | 642 | 658 | rVB2 | 384304 | 850416 | 7.70% | 0.690% |
| 11 | 6.822 | 663 | 669 | 686 | rVV | 1334760 | 2169248 | 19.63% | 1.761% |
| 12 | 7.004 | 694 | 700 | 714 | rBV | 1449061 | 2359675 | 21.36% | 1.916% |
| 13 | 7.469 | 772 | 779 | 786 | rBV | 1524745 | 2395930 | 21.68% | 1.945% |
| 14 | 7.545 | 786 | 792 | 802 | rVV | 375800 | 643649 | 5.83% | 0.523% |
| 15 | 7.633 | 803 | 807 | 813 | rVB2 | 41200 | 68312 | 0.62% | 0.055% |
| 16 | 7.733 | 818 | 824 | 829 | rBV | 95905 | 181341 | 1.64% | 0.147% |
| 17 | 8.098 | 880 | 886 | 892 | rVV4 | 42370 | 92699 | 0.84% | 0.075% |
| 18 | 8.192 | 892 | 902 | 912 | rVV | 1163646 | 1996386 | 18.07% | 1.621% |
| 19 | 8.292 | 914 | 919 | 935 | rVB | 2663134 | 3958137 | 35.82% | 3.213% |
| 20 | 8.563 | 959 | 965 | 970 | rBV | 658675 | 1058860 | 9.58% | 0.860% |
| 21 | 8.622 | 970 | 975 | 985 | rVB | 1663549 | 2698280 | 24.42% | 2.191% |
| 22 | 8.775 | 997 | 1001 | 1004 | rBV | 34090 | 54193 | 0.49% | 0.044% |
| 23 | 8.810 | 1004 | 1007 | 1015 | rVV2 | 53821 | 96885 | 0.88% | 0.079% |
| 24 | 8.880 | 1018 | 1019 | 1036 | rVB2 | 14359 | 42516 | 0.38% | 0.035% |
| 25 | 9.063 | 1046 | 1050 | 1056 | rVB3 | 19293 | 34254 | 0.31% | 0.028% |
| 26 | 9.198 | 1070 | 1073 | 1079 | rVB5 | 18764 | 31354 | 0.28% | 0.025% |
| 27 | 9.339 | 1090 | 1097 | 1113 | rBV | 1361876 | 2406073 | 21.78% | 1.953% |
| 28 | 9.539 | 1123 | 1131 | 1139 | rBV5 | 67989 | 209049 | 1.89% | 0.170% |
| 29 | 9.616 | 1139 | 1144 | 1148 | rVV2 | 53602 | 102132 | 0.92% | 0.083% |
| 30 | 9.775 | 1165 | 1171 | 1181 | rVB2 | 39987 | 80481 | 0.73% | 0.065% |
| 31 | 9.874 | 1181 | 1188 | 1207 | rBV | 2089685 | 3665333 | 33.17% | 2.976% |
| 32 | 10.039 | 1207 | 1216 | 1225 | rVV5 | 44934 | 125592 | 1.14% | 0.102% |
| 33 | 10.169 | 1233 | 1238 | 1243 | rVV6 | 58690 | 133050 | 1.20% | 0.108% |
| 34 | 10.239 | 1243 | 1250 | 1257 | rVV | 2148776 | 3576343 | 32.37% | 2.903% |

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121219\
Data File : BM024092.D
Acq On : 13 Dec 2019 15:24
Operator : JU
Sample : K6167-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFQX7

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-BM112719MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 35 | 10.310 | 1257 | 1262 | 1268 | rVB2 | 97208 | 164516 | 1.49% | 0.134% |
| 36 | 10.398 | 1268 | 1277 | 1285 | rBV2 | 104952 | 212836 | 1.93% | 0.173% |
| 37 | 10.557 | 1299 | 1304 | 1310 | rVB3 | 66380 | 110842 | 1.00% | 0.090% |
| 38 | 10.645 | 1313 | 1319 | 1331 | rVB9 | 17031 | 54094 | 0.49% | 0.044% |
| 39 | 10.804 | 1339 | 1346 | 1351 | rBV | 140289 | 241282 | 2.18% | 0.196% |
| 40 | 10.863 | 1351 | 1356 | 1358 | rVV | 144038 | 230794 | 2.09% | 0.187% |
| 41 | 10.898 | 1358 | 1362 | 1374 | rVV | 255481 | 497345 | 4.50% | 0.404% |
| 42 | 11.004 | 1376 | 1380 | 1385 | rVV5 | 26935 | 58827 | 0.53% | 0.048% |
| 43 | 11.069 | 1386 | 1391 | 1400 | rVV7 | 46800 | 121547 | 1.10% | 0.099% |
| 44 | 11.180 | 1404 | 1410 | 1415 | rVV4 | 19618 | 48421 | 0.44% | 0.039% |
| 45 | 11.427 | 1448 | 1452 | 1458 | rBV2 | 39738 | 76704 | 0.69% | 0.062% |
| 46 | 11.574 | 1472 | 1477 | 1483 | rBV | 64228 | 111795 | 1.01% | 0.091% |
| 47 | 11.657 | 1486 | 1491 | 1500 | rVB7 | 36883 | 86765 | 0.79% | 0.070% |
| 48 | 11.774 | 1505 | 1511 | 1516 | rBV3 | 29238 | 46418 | 0.42% | 0.038% |
| 49 | 11.839 | 1516 | 1522 | 1527 | rVV3 | 51318 | 101523 | 0.92% | 0.082% |
| 50 | 12.127 | 1567 | 1571 | 1576 | rVV | 34169 | 59179 | 0.54% | 0.048% |
| 51 | 12.392 | 1608 | 1616 | 1624 | rBV | 125409 | 240060 | 2.17% | 0.195% |
| 52 | 12.474 | 1624 | 1630 | 1645 | rVV | 517592 | 911585 | 8.25% | 0.740% |
| 53 | 12.586 | 1645 | 1649 | 1658 | rVB | 31981 | 66383 | 0.60% | 0.054% |
| 54 | 12.733 | 1669 | 1674 | 1685 | rVB | 713310 | 1023276 | 9.26% | 0.831% |
| 55 | 13.057 | 1721 | 1729 | 1744 | rVV | 1034751 | 1683763 | 15.24% | 1.367% |
| 56 | 13.551 | 1807 | 1813 | 1818 | rBV | 4403111 | 6073057 | 54.96% | 4.930% |
| 57 | 13.598 | 1818 | 1821 | 1827 | rVV | 242714 | 346385 | 3.13% | 0.281% |
| 58 | 13.674 | 1830 | 1834 | 1851 | rVB | 259681 | 393439 | 3.56% | 0.319% |
| 59 | 13.815 | 1851 | 1858 | 1868 | rBV | 4986603 | 7280085 | 65.89% | 5.910% |
| 60 | 13.904 | 1868 | 1873 | 1879 | rVB4 | 32373 | 59216 | 0.54% | 0.048% |
| 61 | 14.010 | 1886 | 1891 | 1904 | rVV | 152479 | 259752 | 2.35% | 0.211% |
| 62 | 14.127 | 1904 | 1911 | 1923 | rVV | 3481489 | 5094770 | 46.11% | 4.136% |
| 63 | 14.227 | 1923 | 1928 | 1932 | rVB3 | 34246 | 52765 | 0.48% | 0.043% |
| 64 | 14.380 | 1948 | 1954 | 1972 | rBV2 | 206859 | 551193 | 4.99% | 0.447% |
| 65 | 14.745 | 2010 | 2016 | 2023 | rVB3 | 37955 | 83708 | 0.76% | 0.068% |
| 66 | 14.827 | 2023 | 2030 | 2036 | rBV3 | 65002 | 126516 | 1.15% | 0.103% |
| 67 | 14.904 | 2040 | 2043 | 2047 | rVV | 40267 | 53017 | 0.48% | 0.043% |
| 68 | 14.974 | 2047 | 2055 | 2060 | rVV2 | 435080 | 770385 | 6.97% | 0.625% |
| 69 | 15.133 | 2073 | 2082 | 2095 | rBV | 6489715 | 9337496 | 84.51% | 7.580% |
| 70 | 15.274 | 2100 | 2106 | 2119 | rBV | 1920358 | 2706797 | 24.50% | 2.197% |
| 71 | 15.374 | 2119 | 2123 | 2128 | rVV2 | 86259 | 148222 | 1.34% | 0.120% |

LSC Area Percent Report

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Operator : JU
Sample : K6167-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFQX7

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-BM112719MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 72 | 15.509 | 2141 | 2146 | 2153 | rBV | 79949 | 138907 | 1.26% | 0.113% |
| 73 | 15.709 | 2173 | 2180 | 2186 | rBV7 | 14772 | 32495 | 0.29% | 0.026% |
| 74 | 15.915 | 2207 | 2215 | 2220 | rVB8 | 29150 | 62954 | 0.57% | 0.051% |
| 75 | 16.162 | 2253 | 2257 | 2264 | rVB | 28099 | 44714 | 0.40% | 0.036% |
| 76 | 16.562 | 2319 | 2325 | 2333 | rVB10 | 18685 | 33227 | 0.30% | 0.027% |
| 77 | 16.674 | 2340 | 2344 | 2350 | rBV2 | 22182 | 35796 | 0.32% | 0.029% |
| 78 | 16.886 | 2373 | 2380 | 2390 | rBV | 4128138 | 5751608 | 52.06% | 4.669% |
| 79 | 16.986 | 2390 | 2397 | 2410 | rVV | 6997599 | 10227044 | 92.56% | 8.303% |
| 80 | 17.192 | 2428 | 2432 | 2439 | rVB | 214895 | 269687 | 2.44% | 0.219% |
| 81 | 17.303 | 2444 | 2451 | 2458 | rVB6 | 46925 | 85288 | 0.77% | 0.069% |
| 82 | 17.415 | 2465 | 2470 | 2476 | rBV | 297922 | 401200 | 3.63% | 0.326% |
| 83 | 17.568 | 2490 | 2496 | 2507 | rBV | 1699973 | 2239851 | 20.27% | 1.818% |
| 84 | 17.739 | 2521 | 2525 | 2530 | rBV4 | 37397 | 58289 | 0.53% | 0.047% |
| 85 | 17.803 | 2532 | 2536 | 2543 | rBV | 121899 | 195577 | 1.77% | 0.159% |
| 86 | 17.874 | 2544 | 2548 | 2557 | rVB | 85439 | 129344 | 1.17% | 0.105% |
| 87 | 18.009 | 2568 | 2571 | 2575 | rBV | 42635 | 57720 | 0.52% | 0.047% |
| 88 | 18.239 | 2603 | 2610 | 2615 | rBV4 | 67750 | 92017 | 0.83% | 0.075% |
| 89 | 18.921 | 2722 | 2726 | 2734 | rBV | 79732 | 121845 | 1.10% | 0.099% |
| 90 | 19.180 | 2765 | 2770 | 2776 | rVV | 66400 | 96998 | 0.88% | 0.079% |
| 91 | 19.292 | 2782 | 2789 | 2802 | rBV | 8135185 | 11049041 | 100.00% | 8.970% |
| 92 | 20.833 | 3047 | 3051 | 3057 | rBV2 | 860515 | 1221306 | 11.05% | 0.991% |
| 93 | 20.886 | 3057 | 3060 | 3065 | rVB | 194775 | 251417 | 2.28% | 0.204% |
| 94 | 21.091 | 3090 | 3095 | 3104 | rBV | 4086698 | 5474350 | 49.55% | 4.444% |
| 95 | 21.697 | 3195 | 3198 | 3207 | rVB | 164427 | 221894 | 2.01% | 0.180% |
| 96 | 22.133 | 3270 | 3272 | 3278 | rVB | 284837 | 356355 | 3.23% | 0.289% |
| 97 | 22.615 | 3351 | 3354 | 3360 | rVB | 377643 | 502950 | 4.55% | 0.408% |
| 98 | 23.097 | 3430 | 3436 | 3442 | rBV | 5088658 | 8900295 | 80.55% | 7.225% |
| 99 | 23.232 | 3453 | 3459 | 3469 | rVB | 2723424 | 4862545 | 44.01% | 3.948% |
| 100 | 23.756 | 3545 | 3548 | 3555 | rVB | 408867 | 646486 | 5.85% | 0.525% |

Sum of corrected areas: 123179994

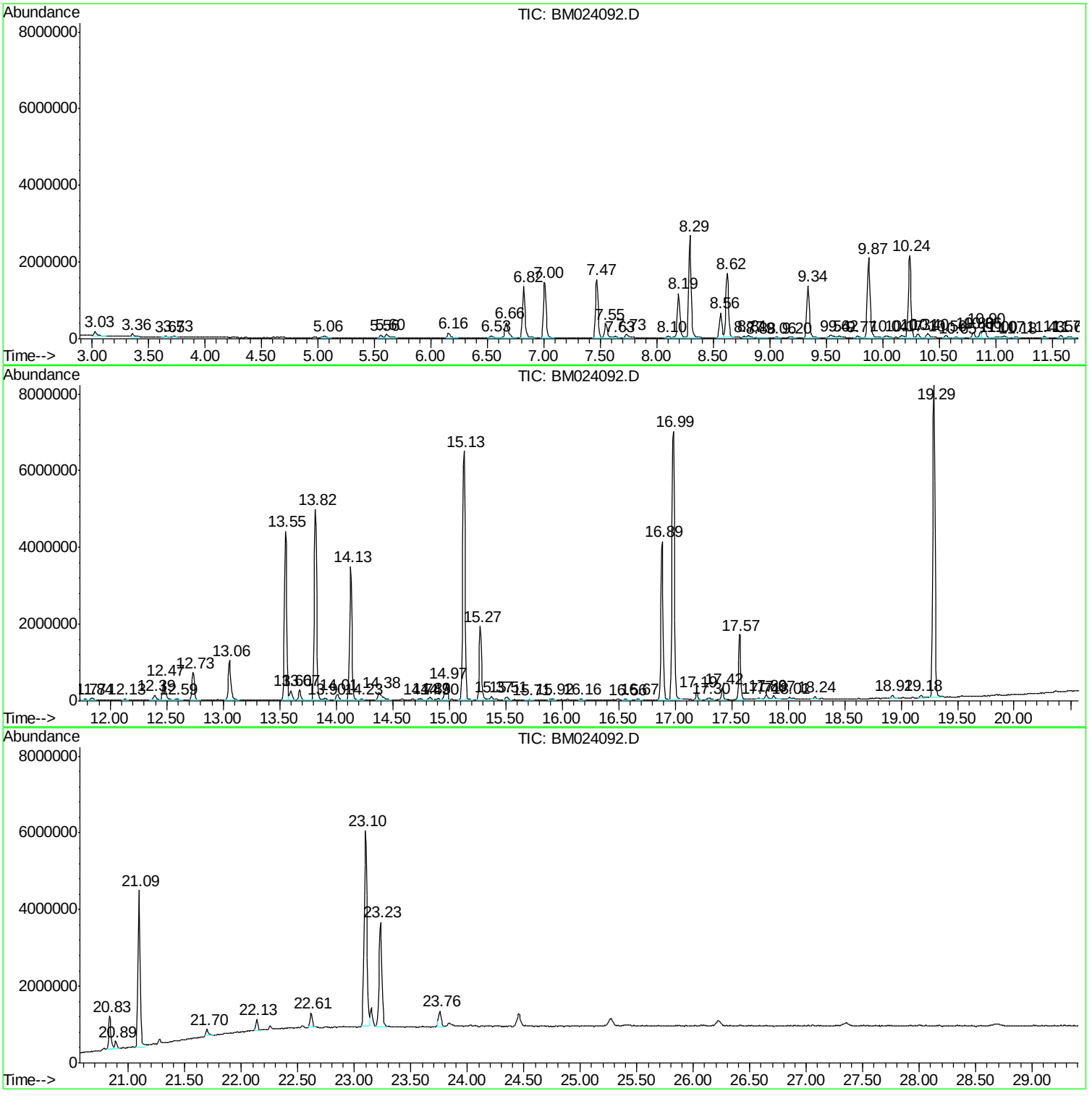
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121219\
Data File : BM024092.D
Acq On : 13 Dec 2019 15:24
Operator : JU
Sample : K6167-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFQX7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.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\BM121219\
Data File : BM024092.D
Acq On : 13 Dec 2019 15:24
Operator : JU
Sample : K6167-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFQX7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

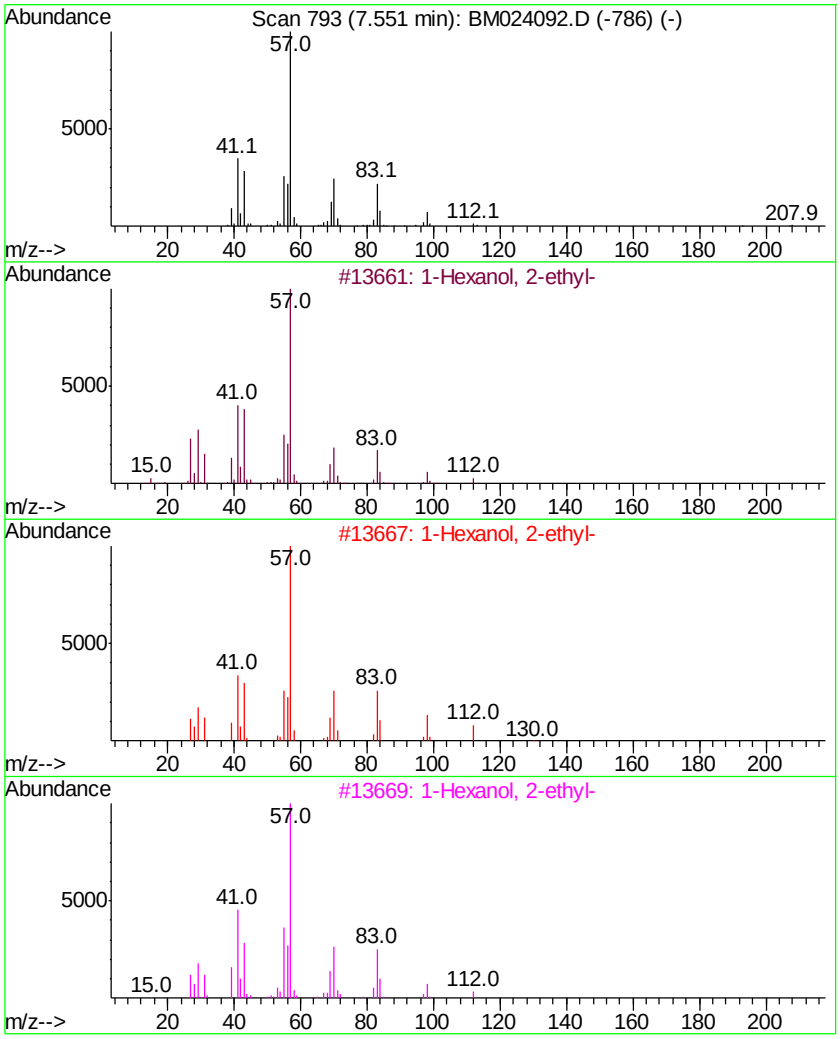
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

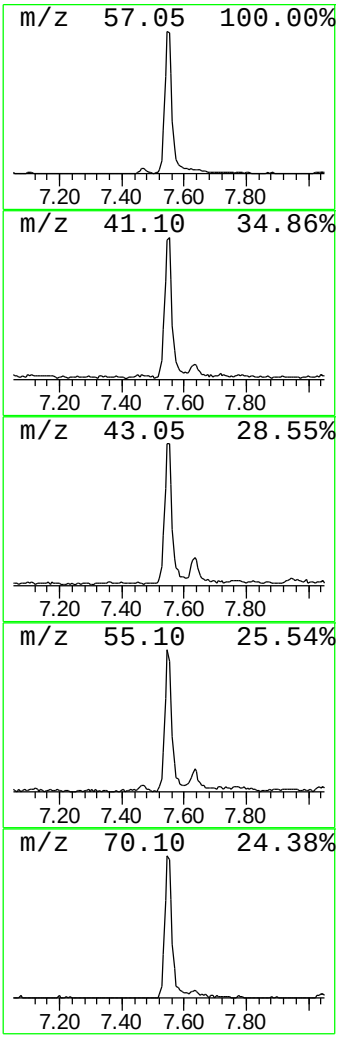
**********

Peak Number 1 1-Hexanol, 2-ethyl- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.55 | 5.37 ng/ul | 643649 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 78 |
| 2 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 64 |
| 3 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 64 |
| 4 | 2-Propyl-1-pentanol | 130 | C8H18O | 058175-57-8 | 59 |
| 5 | 1-Hexanol, 2-ethyl- | 130 | C8H18O | 000104-76-7 | 59 |



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121219\
Data File : BM024092.D
Acq On : 13 Dec 2019 15:24
Operator : JU
Sample : K6167-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFQX7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

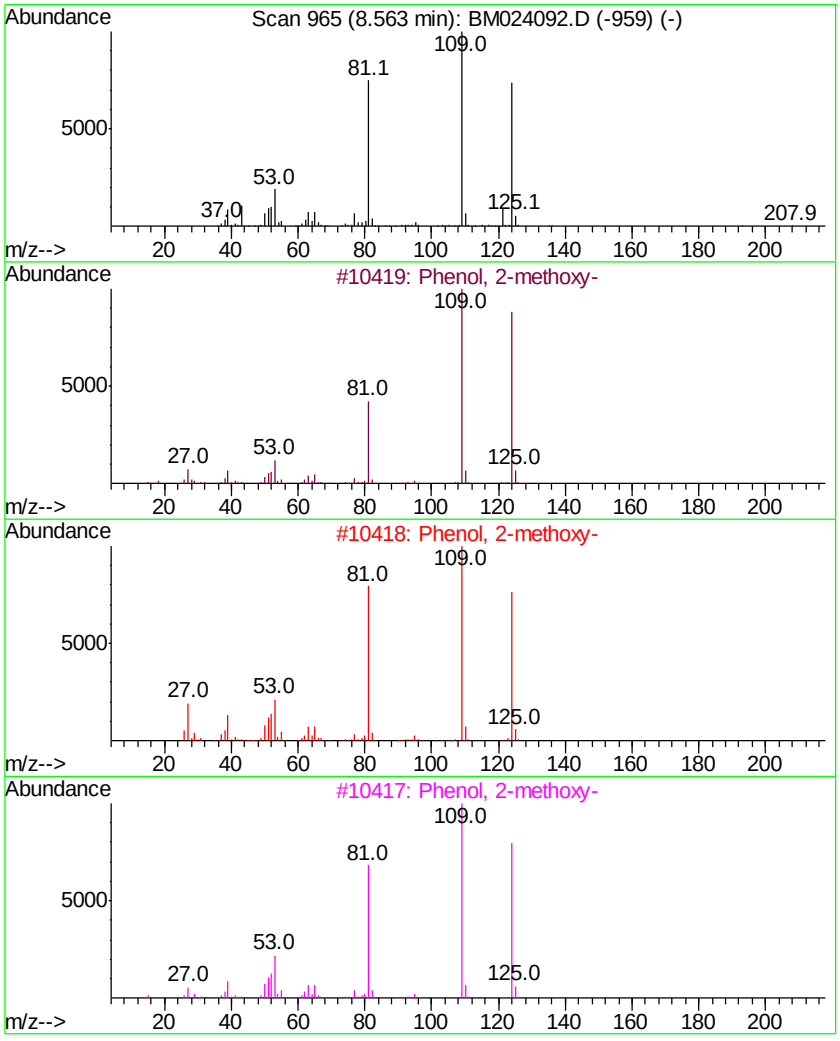
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

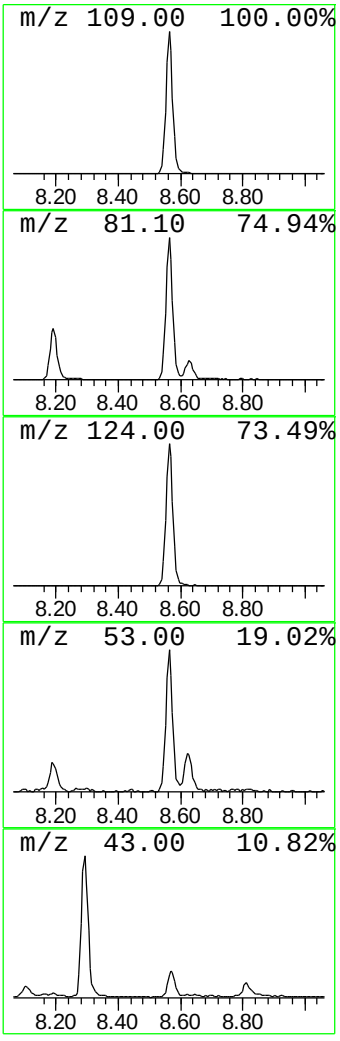
**********

Peak Number 2 Phenol, 2-methoxy- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.56 | 8.84 ng/ul | 1058860 | 1,4-Dichlorobenzene-d4 | 7.47 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 95 |
| 2 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 94 |
| 3 | Phenol, 2-methoxy- | 124 | C7H8O2 | 000090-05-1 | 91 |
| 4 | Mequinol | 124 | C7H8O2 | 000150-76-5 | 91 |
| 5 | Mequinol | 124 | C7H8O2 | 000150-76-5 | 72 |



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Operator : JU
Sample : K6167-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFQX7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

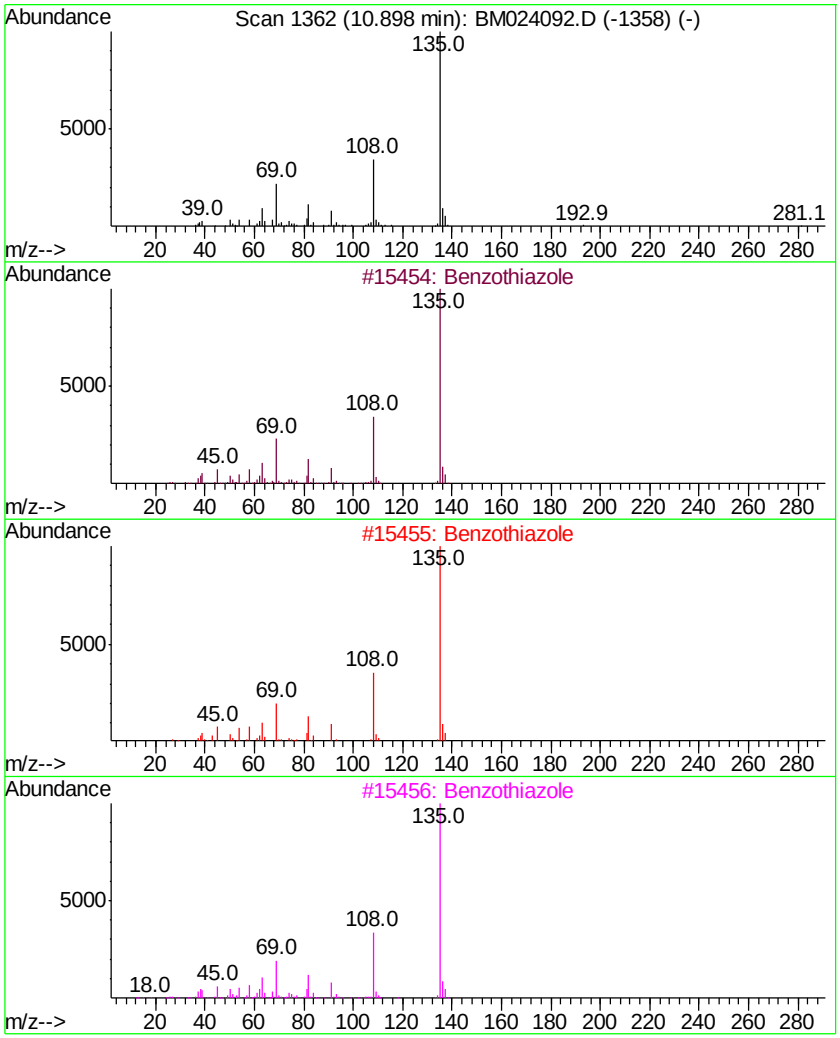
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

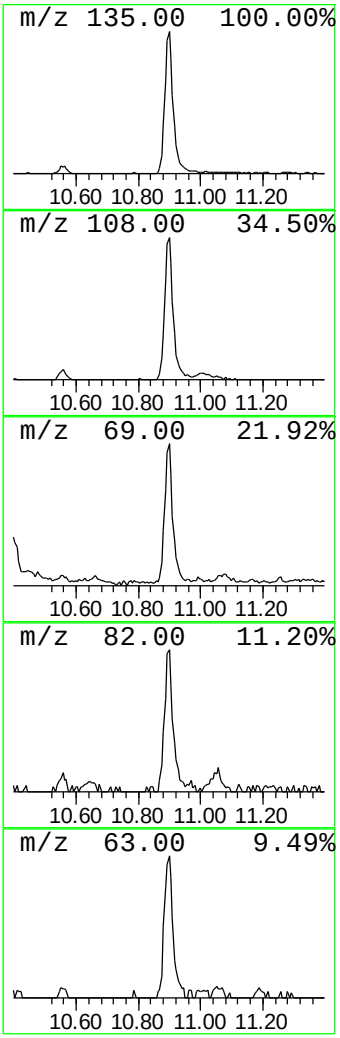
**********

Peak Number 3 Benzothiazole Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.90 | 2.78 ng/ul | 497345 | Naphthalene-d8 | 10.24 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzothiazole | 135 | C7H5NS | 000095-16-9 | 97 |
| 2 | Benzothiazole | 135 | C7H5NS | 000095-16-9 | 95 |
| 3 | Benzothiazole | 135 | C7H5NS | 000095-16-9 | 91 |
| 4 | 1,2-Benzisothiazole | 135 | C7H5NS | 000272-16-2 | 90 |
| 5 | 3-Allylbenzothiazolium bromide | 255 | C10H10BrNS | 016407-55-9 | 78 |



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121219\
Data File : BM024092.D
Acq On : 13 Dec 2019 15:24
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Sample : K6167-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFQX7

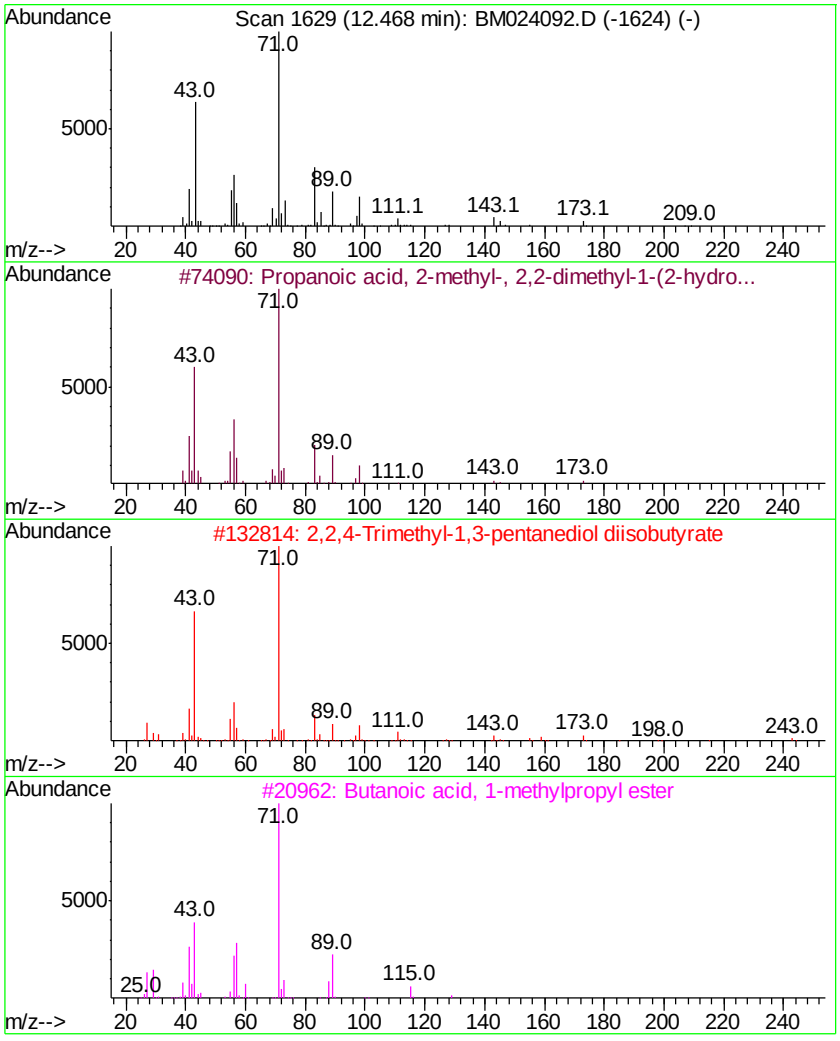
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

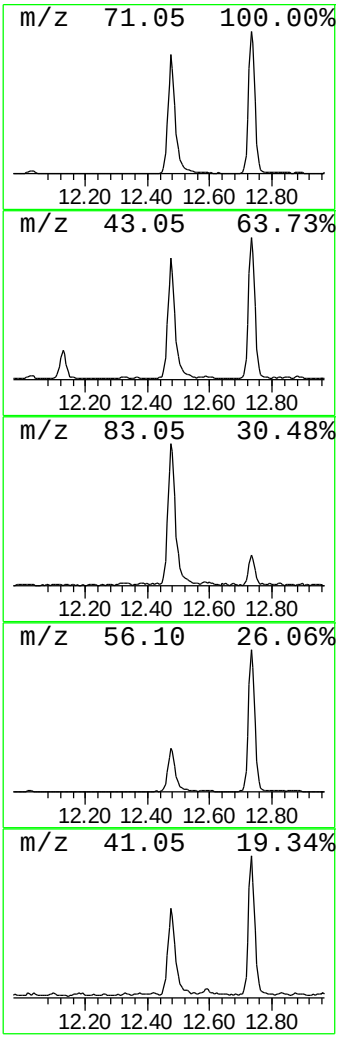
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Propanoic acid, 2-methyl-, ... Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.47 | 3.58 ng/ul | 911585 | Acenaphthene-d10 | 14.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanoic acid, 2-methyl-, 2,2-d... | 216 | C12H24O3 | 074367-33-2 | 86 |
| 2 | 2,2,4-Trimethyl-1,3-pentanediol ... | 286 | C16H30O4 | 006846-50-0 | 72 |
| 3 | Butanoic acid, 1-methylpropyl ester | 144 | C8H16O2 | 000819-97-6 | 53 |
| 4 | Butyric acid, 3-pentadecyl ester | 298 | C19H38O2 | 1000280-57-3 | 43 |
| 5 | Butanoic acid, 2-methylpropyl ester | 144 | C8H16O2 | 000539-90-2 | 42 |



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Data File : BM024092.D
Acq On : 13 Dec 2019 15:24
Operator : JU
Sample : K6167-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFQX7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

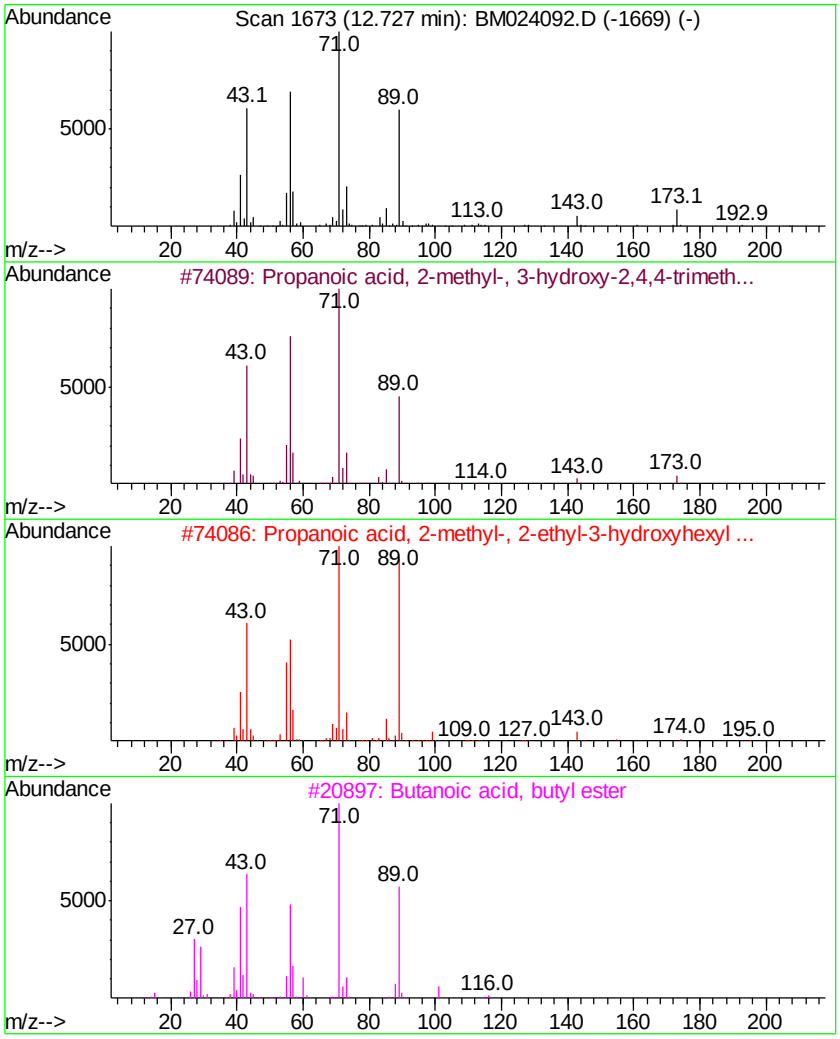
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

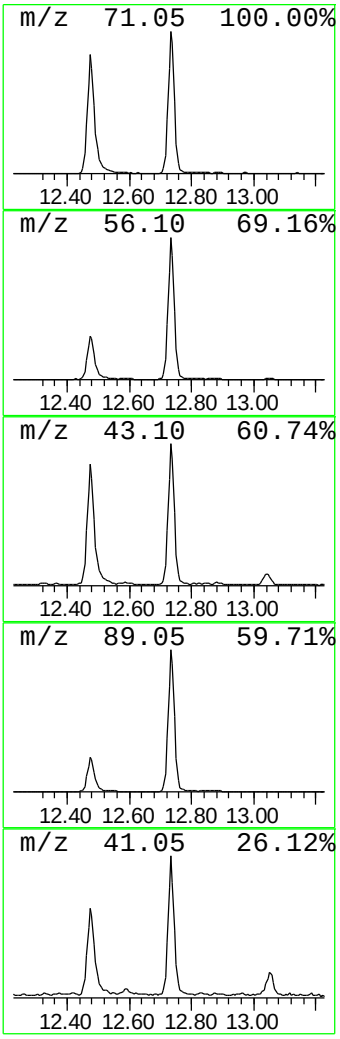
**********

Peak Number 5 Propanoic acid, 2-methyl-, ... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.73 | 4.02 ng/ul | 1023280 | Acenaphthene-d10 | 14.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Propanoic acid, 2-methyl-, 3-hyd... | 216 | C12H24O3 | 074367-34-3 | 80 |
| 2 | Propanoic acid, 2-methyl-, 2-eth... | 216 | C12H24O3 | 074367-31-0 | 78 |
| 3 | Butanoic acid, butyl ester | 144 | C8H16O2 | 000109-21-7 | 72 |
| 4 | Butanoic acid, butyl ester | 144 | C8H16O2 | 000109-21-7 | 72 |
| 5 | Propanoic acid, 2-methyl-, 2-eth... | 216 | C12H24O3 | 074367-31-0 | 64 |



# Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121219\
Data File : BM024092.D
Acq On : 13 Dec 2019 15:24
Operator : JU
Sample : K6167-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFQX7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

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

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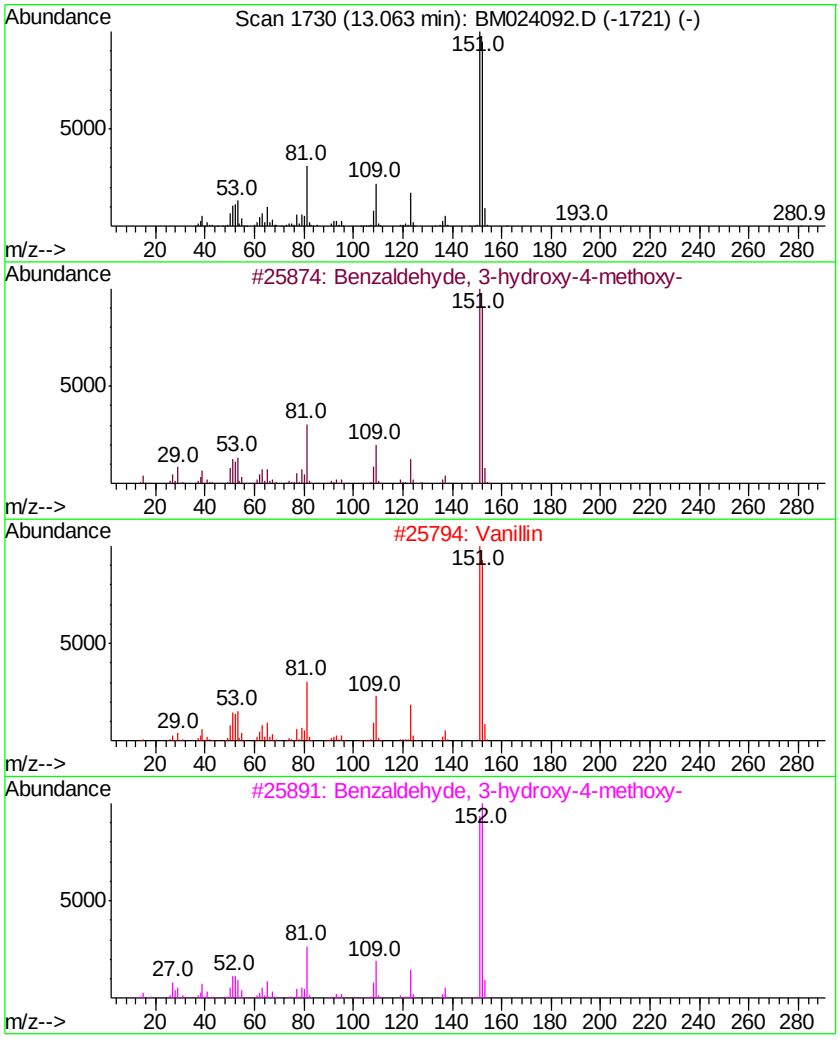
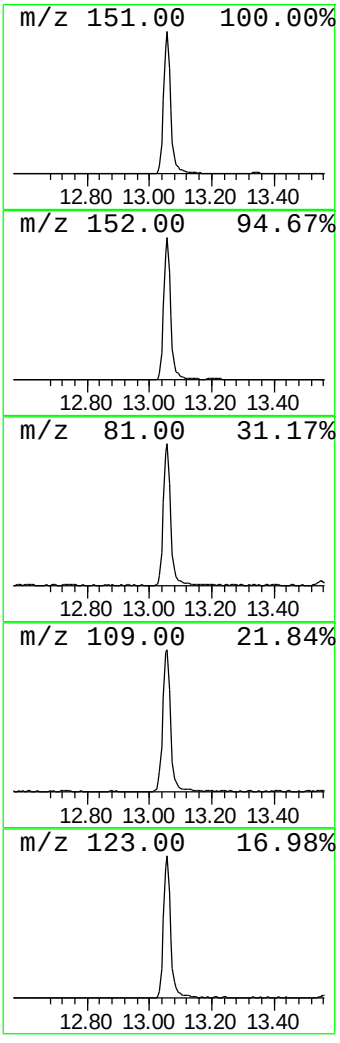
Peak Number 6 Benzaldehyde, 3-hydroxy-4-m... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.06 | 6.61 ng/ul | 1683760 | Acenaphthene-d10 | 14.13 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzaldehyde, 3-hydroxy-4-methoxy- | 152 | C8H8O3 | 000621-59-0 | 97 |
| 2 | Vanillin | 152 | C8H8O3 | 000121-33-5 | 97 |
| 3 | Benzaldehyde, 3-hydroxy-4-methoxy- | 152 | C8H8O3 | 000621-59-0 | 96 |
| 4 | Vanillin | 152 | C8H8O3 | 000121-33-5 | 96 |
| 5 | Vanillin | 152 | C8H8O3 | 000121-33-5 | 95 |



Library Search Compound Report

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Data File : BM024092.D
Acq On : 13 Dec 2019 15:24
Operator : JU
Sample : K6167-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFQX7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

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

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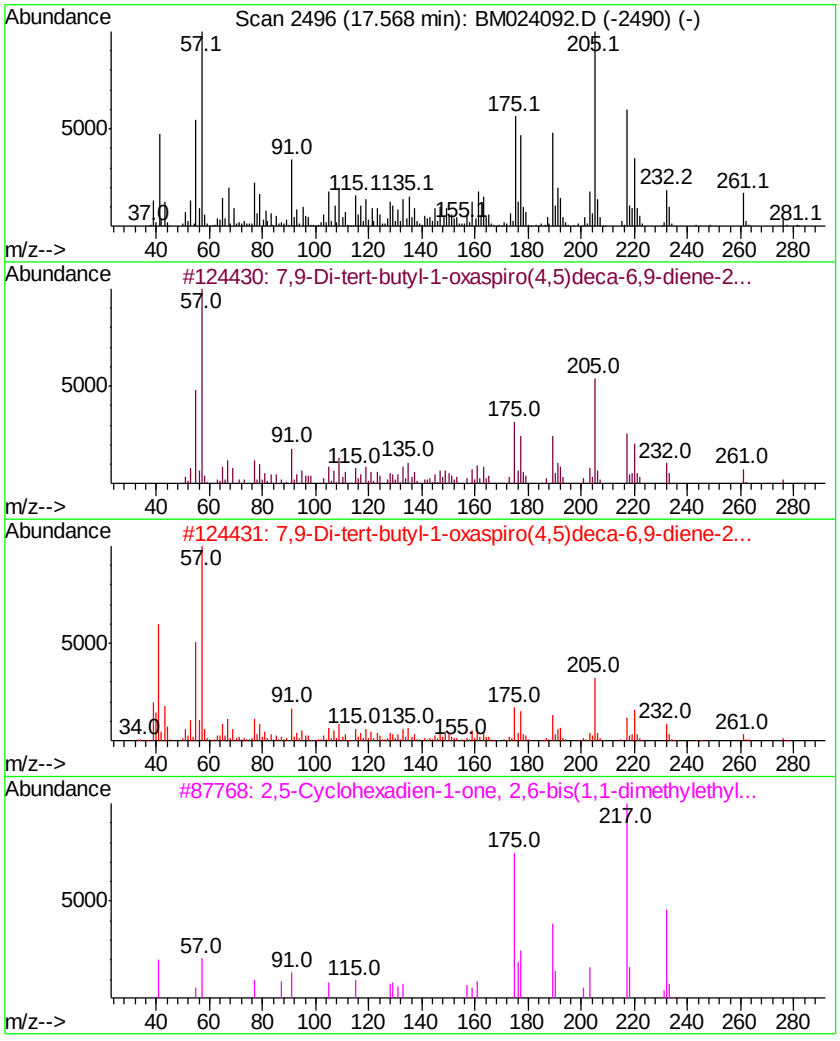
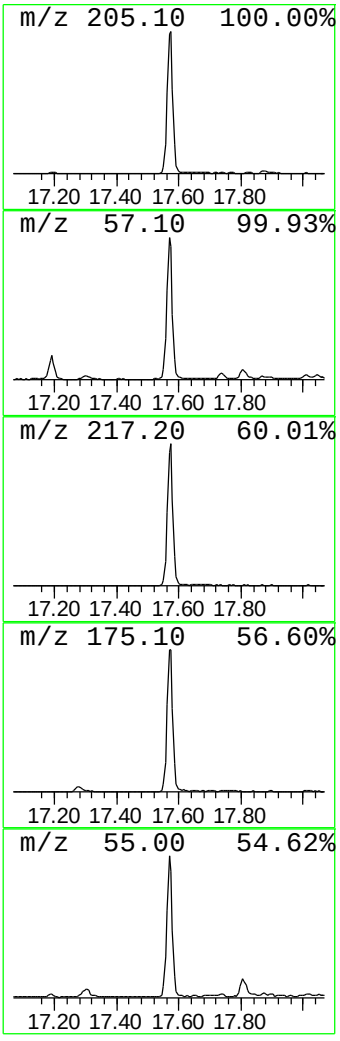
Peak Number 7 7,9-Di-tert-butyl-1-oxaspir... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.57 | 7.79 ng/ul | 2239850 | Phenanthrene-d10 | 16.89 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3 | 082304-66-3 | 99 |
| 2 | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3 | 082304-66-3 | 97 |
| 3 | 2,5-Cyclohexadien-1-one, 2,6-bis... | 232 | C16H24O | 006738-27-8 | 93 |
| 4 | Ethanone, 1-(5,6,7,8-tetrahydro-... | 220 | C14H20O2 | 071596-88-8 | 45 |
| 5 | 2,5-di-tert-Butyl-1,4-benzoquinone | 220 | C14H20O2 | 002460-77-7 | 44 |



Library Search Compound Report

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Data File : BM024092.D
Acq On : 13 Dec 2019 15:24
Operator : JU
Sample : K6167-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFQX7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

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

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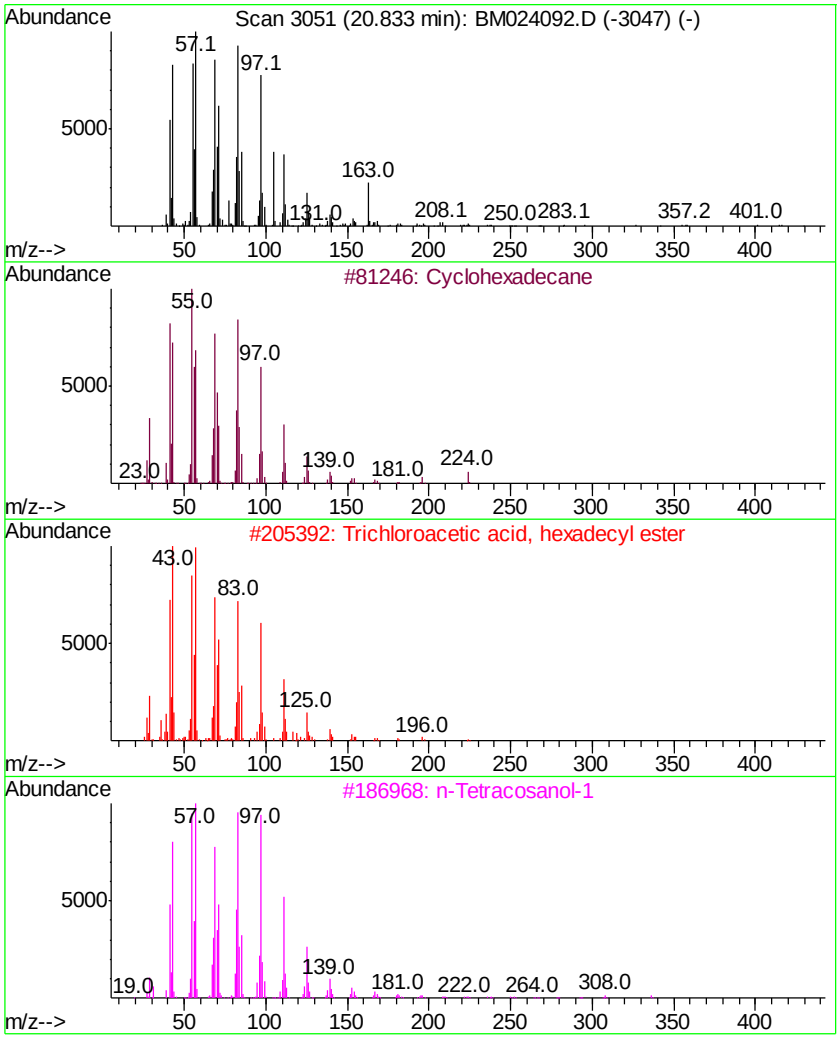
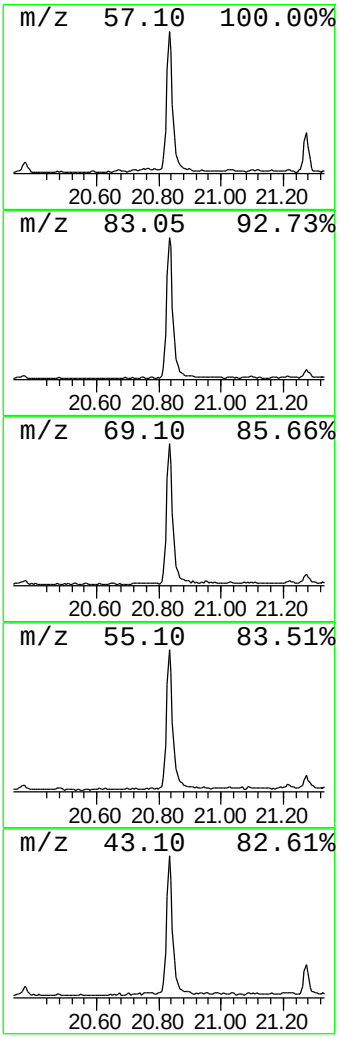
Peak Number 8 (DEL) Alkane: Cyclic20.83 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.83 | 4.46 ng/ul | 1221310 | Chrysene-d12 | 21.09 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexadecane | 224 | C16H32 | 000295-65-8 | 97 |
| 2 | Trichloroacetic acid, hexadecyl ... | 386 | C18H33Cl3O2 | 074339-54-1 | 91 |
| 3 | n-Tetracosanol-1 | 354 | C24H50O | 000506-51-4 | 91 |
| 4 | 3-Eicosene, (E)- | 280 | C20H40 | 074685-33-9 | 91 |
| 5 | Trichloroacetic acid, pentadecyl... | 372 | C17H31Cl3O2 | 074339-53-0 | 91 |



Library Search Compound Report

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Operator : JU
Sample : K6167-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFQX7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

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

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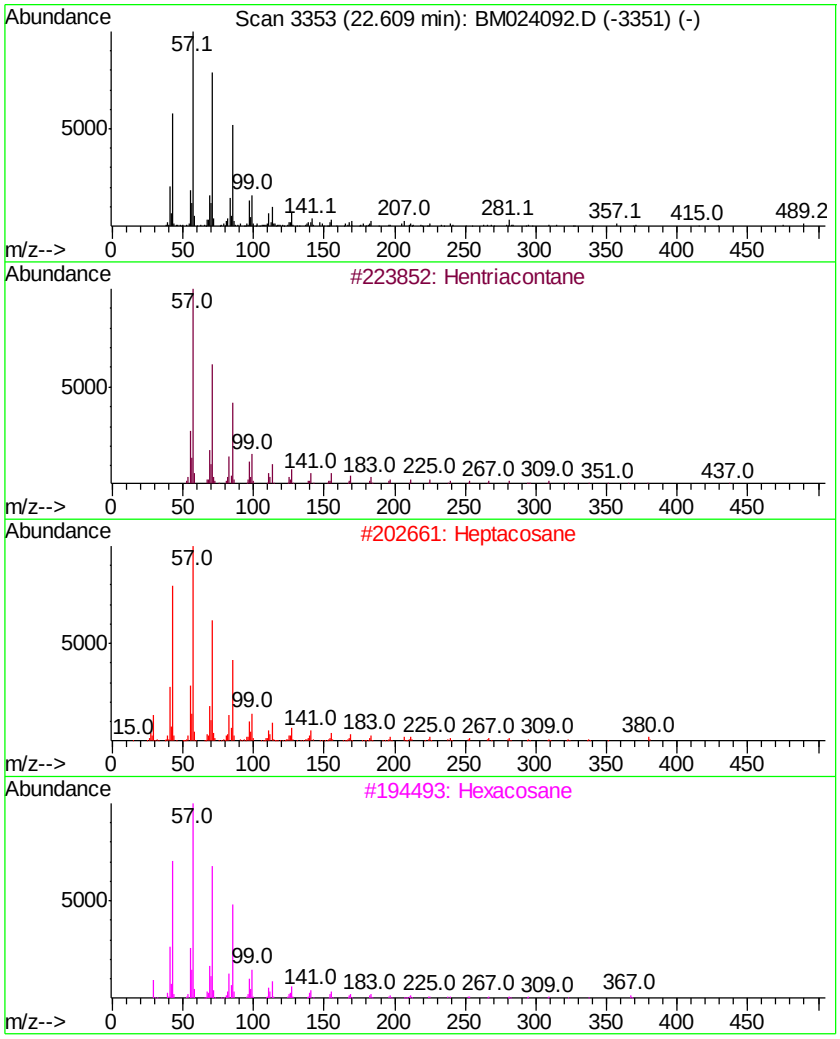
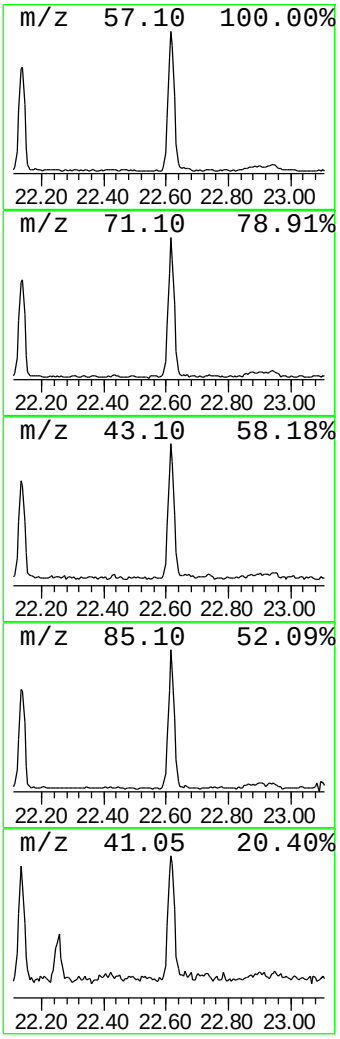
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 22.61 | 2.07 ng/ul | 502950 | Perylene-d12 | 23.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Hentriacontane | 437 | C31H64 | 000630-04-6 | 90 |
| 2 | Heptacosane | 380 | C27H56 | 000593-49-7 | 87 |
| 3 | Hexacosane | 366 | C26H54 | 000630-01-3 | 87 |
| 4 | Heneicosane | 296 | C21H44 | 000629-94-7 | 87 |
| 5 | Octadecane, 2-methyl- | 268 | C19H40 | 001560-88-9 | 81 |



Library Search Compound Report

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Data File : BM024092.D
Acq On : 13 Dec 2019 15:24
Operator : JU
Sample : K6167-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFQX7

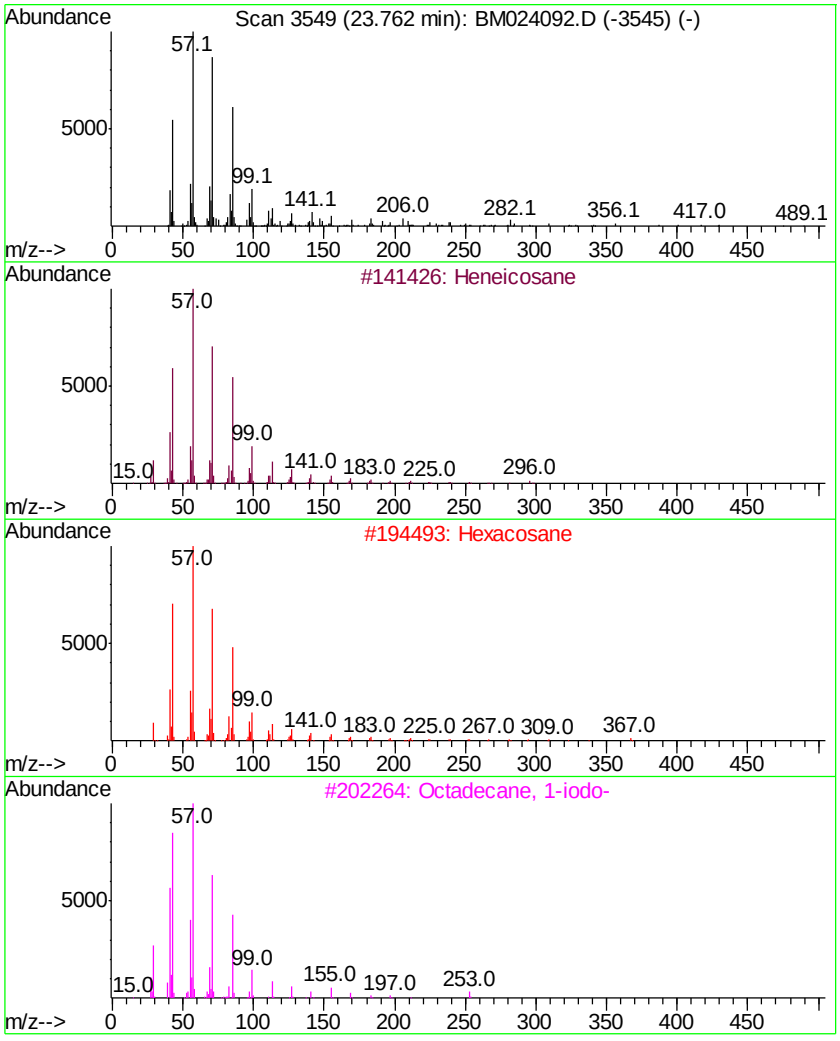
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.M
Quant Title : SVOA CALIBRATION

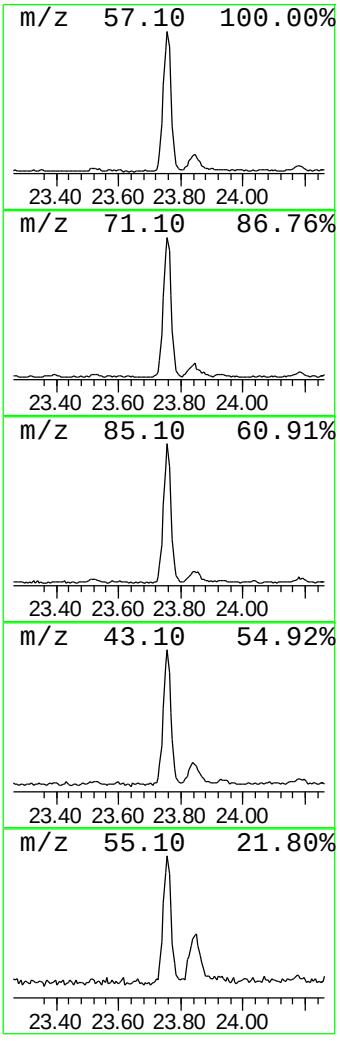
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 23.76 | 2.66 ng/ul | 646486 | Perylene-d12 | 23.23 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heneicosane | 296 | C21H44 | 000629-94-7 | 90 |
| 2 | Hexacosane | 366 | C26H54 | 000630-01-3 | 83 |
| 3 | Octadecane, 1-iodo- | 380 | C18H37I | 000629-93-6 | 80 |
| 4 | Heptadecane, 9-octyl- | 352 | C25H52 | 007225-64-1 | 80 |
| 5 | Octadecane | 254 | C18H38 | 000593-45-3 | 74 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM121219\
Data File : BM024092.D
Acq On : 13 Dec 2019 15:24
Operator : JU
Sample : K6167-12
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BFQX7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM112719MA.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 |
| 1-Hexanol, 2-ethyl- | 7.55 | 5.4 | ng/ul | 643649 | 1 | 7.47 | 2395930 | 20.0 |
| Phenol, 2-methoxy- | 8.56 | 8.8 | ng/ul | 1058860 | 1 | 7.47 | 2395930 | 20.0 |
| Benzothiazole | 10.90 | 2.8 | ng/ul | 497345 | 2 | 10.24 | 3576340 | 20.0 |
| Propanoic acid, 2... | 12.47 | 3.6 | ng/ul | 911585 | 3 | 14.13 | 5094770 | 20.0 |
| Propanoic acid, 2... | 12.73 | 4.0 | ng/ul | 1023280 | 3 | 14.13 | 5094770 | 20.0 |
| Benzaldehyde, 3-h... | 13.06 | 6.6 | ng/ul | 1683760 | 3 | 14.13 | 5094770 | 20.0 |
| 7,9-Di-tert-butyl... | 17.57 | 7.8 | ng/ul | 2239850 | 4 | 16.89 | 5751610 | 20.0 |
| (DEL) Alkane: Cyc... | 20.83 | 4.5 | ng/ul | 1221310 | 5 | 21.09 | 5474350 | 20.0 |
| (DEL) Alkane: Str... | 22.61 | 2.1 | ng/ul | 502950 | 6 | 23.23 | 4862550 | 20.0 |
| (DEL) Alkane: Str... | 23.76 | 2.7 | ng/ul | 646486 | 6 | 23.23 | 4862550 | 20.0 |