LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090921\
Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** DBKM1

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_P\METHODS\SFAM-EPA-BP090821.M
Title : SVOA CALIBRATION

Signal : TIC: BP006957.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.793 | 117 | 120 | 134 | rBV | 237922 | 451670 | 3.54% | 0.304% |
| 2 | 4.117 | 170 | 175 | 181 | rVB | 151677 | 210504 | 1.65% | 0.142% |
| 3 | 5.440 | 394 | 400 | 407 | rBV | 331404 | 489803 | 3.84% | 0.330% |
| 4 | 5.575 | 416 | 423 | 439 | rVB | 176202 | 349105 | 2.74% | 0.235% |
| 5 | 5.946 | 477 | 486 | 492 | rBV2 | 145650 | 264418 | 2.07% | 0.178% |
| 6 | 7.087 | 674 | 680 | 688 | rVV | 298130 | 514937 | 4.04% | 0.347% |
| 7 | 7.263 | 702 | 710 | 717 | rVV | 1053353 | 1662287 | 13.04% | 1.119% |
| 8 | 7.463 | 737 | 744 | 752 | rBV | 1030050 | 1632518 | 12.81% | 1.099% |
| 9 | 7.581 | 757 | 764 | 771 | rVV | 129274 | 219571 | 1.72% | 0.148% |
| 10 | 7.658 | 771 | 777 | 790 | rVB | 357807 | 598093 | 4.69% | 0.403% |
| 11 | 7.934 | 815 | 824 | 832 | rBV | 1132070 | 1804925 | 14.16% | 1.215% |
| 12 | 8.310 | 881 | 888 | 894 | rBV | 667912 | 1068775 | 8.39% | 0.720% |
| 13 | 8.469 | 905 | 915 | 929 | rVV | 2853248 | 4576498 | 35.91% | 3.082% |
| 14 | 8.634 | 936 | 943 | 950 | rVV | 816646 | 1354740 | 10.63% | 0.912% |
| 15 | 9.093 | 1015 | 1021 | 1032 | rVB | 1121544 | 1905139 | 14.95% | 1.283% |
| 16 | 9.293 | 1046 | 1055 | 1060 | rBV | 68250 | 122921 | 0.96% | 0.083% |
| 17 | 9.410 | 1069 | 1075 | 1081 | rVV | 163119 | 352735 | 2.77% | 0.238% |
| 18 | 9.810 | 1135 | 1143 | 1152 | rBV | 776041 | 1318692 | 10.35% | 0.888% |
| 19 | 9.904 | 1153 | 1159 | 1162 | rVV | 71112 | 125370 | 0.98% | 0.084% |
| 20 | 9.981 | 1168 | 1172 | 1180 | rVB | 75224 | 132738 | 1.04% | 0.089% |
| 21 | 10.134 | 1188 | 1198 | 1207 | rBV5 | 139199 | 346163 | 2.72% | 0.233% |
| 22 | 10.234 | 1213 | 1215 | 1227 | rVV2 | 62839 | 123288 | 0.97% | 0.083% |
| 23 | 10.352 | 1227 | 1235 | 1244 | rVV2 | 1497187 | 3063143 | 24.03% | 2.063% |
| 24 | 10.587 | 1269 | 1275 | 1281 | rVV | 122550 | 229664 | 1.80% | 0.155% |
| 25 | 10.734 | 1293 | 1300 | 1304 | rVV | 1507129 | 2700343 | 21.19% | 1.818% |
| 26 | 10.787 | 1304 | 1309 | 1316 | rVV | 7688142 | 12745287 | 100.00% | 8.582% |
| 27 | 10.869 | 1316 | 1323 | 1326 | rVV | 1156404 | 2090750 | 16.40% | 1.408% |
| 28 | 10.899 | 1326 | 1328 | 1340 | rVB | 649569 | 1026619 | 8.05% | 0.691% |
| 29 | 12.116 | 1529 | 1535 | 1543 | rVB2 | 119304 | 217421 | 1.71% | 0.146% |
| 30 | 12.287 | 1558 | 1564 | 1568 | rBV | 73257 | 125577 | 0.99% | 0.085% |
| 31 | 12.387 | 1575 | 1581 | 1589 | rVB | 1200613 | 1852847 | 14.54% | 1.248% |
| 32 | 12.510 | 1595 | 1602 | 1609 | rVV2 | 400020 | 713380 | 5.60% | 0.480% |
| 33 | 12.610 | 1609 | 1619 | 1626 | rVB | 1222359 | 2056041 | 16.13% | 1.385% |
| 34 | 12.975 | 1674 | 1681 | 1685 | rBV3 | 58928 | 106329 | 0.83% | 0.072% |
| 35 | 13.057 | 1685 | 1695 | 1700 | rVV3 | 180799 | 403524 | 3.17% | 0.272% |
| 36 | 13.251 | 1721 | 1728 | 1738 | rBV | 712078 | 1108039 | 8.69% | 0.746% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090921\
Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** DBKM1

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_P\METHODS\SFAM-EPA-BP090821.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.398 | 1746 | 1753 | 1760 | rVB3 | 128409 | 264453 | 2.07% | 0.178% |
| 38 | 13.528 | 1770 | 1775 | 1777 | rBV | 78804 | 105708 | 0.83% | 0.071% |
| 39 | 13.563 | 1777 | 1781 | 1784 | rBV | 194271 | 245290 | 1.92% | 0.165% |
| 40 | 13.728 | 1799 | 1809 | 1817 | rVB4 | 205098 | 513072 | 4.03% | 0.345% |
| 41 | 13.881 | 1829 | 1835 | 1840 | rVV2 | 242051 | 438598 | 3.44% | 0.295% |
| 42 | 13.934 | 1840 | 1844 | 1845 | rVV | 140640 | 180064 | 1.41% | 0.121% |
| 43 | 13.969 | 1845 | 1850 | 1859 | rVB | 3132698 | 4271903 | 33.52% | 2.877% |
| 44 | 14.116 | 1869 | 1875 | 1878 | rVV2 | 99886 | 157366 | 1.23% | 0.106% |
| 45 | 14.251 | 1886 | 1898 | 1907 | rBV | 3262066 | 5094970 | 39.98% | 3.431% |
| 46 | 14.557 | 1942 | 1950 | 1955 | rBV | 2285836 | 3363713 | 26.39% | 2.265% |
| 47 | 14.622 | 1955 | 1961 | 1966 | rVV | 1990220 | 2843305 | 22.31% | 1.915% |
| 48 | 14.687 | 1966 | 1972 | 1976 | rVV | 725792 | 1077096 | 8.45% | 0.725% |
| 49 | 14.740 | 1976 | 1981 | 1991 | rVB2 | 330395 | 588392 | 4.62% | 0.396% |
| 50 | 14.828 | 1991 | 1996 | 2001 | rBV2 | 197110 | 283617 | 2.23% | 0.191% |
| 51 | 14.957 | 2011 | 2018 | 2025 | rVB2 | 1328346 | 2364434 | 18.55% | 1.592% |
| 52 | 15.028 | 2025 | 2030 | 2036 | rBV5 | 58112 | 104701 | 0.82% | 0.071% |
| 53 | 15.092 | 2036 | 2041 | 2046 | rBV | 972549 | 1372631 | 10.77% | 0.924% |
| 54 | 15.175 | 2051 | 2055 | 2060 | rVB | 263008 | 377435 | 2.96% | 0.254% |
| 55 | 15.275 | 2068 | 2072 | 2074 | rBV3 | 81058 | 114996 | 0.90% | 0.077% |
| 56 | 15.310 | 2074 | 2078 | 2082 | rVB | 205668 | 257770 | 2.02% | 0.174% |
| 57 | 15.422 | 2092 | 2097 | 2103 | rVB3 | 66999 | 124736 | 0.98% | 0.084% |
| 58 | 15.487 | 2103 | 2108 | 2112 | rBV | 95534 | 166283 | 1.30% | 0.112% |
| 59 | 15.545 | 2112 | 2118 | 2123 | rBV | 4350924 | 6381662 | 50.07% | 4.297% |
| 60 | 15.604 | 2123 | 2128 | 2132 | rVB | 1181583 | 1616557 | 12.68% | 1.089% |
| 61 | 15.663 | 2132 | 2138 | 2145 | rBV2 | 2197237 | 3691064 | 28.96% | 2.486% |
| 62 | 15.728 | 2145 | 2149 | 2152 | rBV3 | 134853 | 174008 | 1.37% | 0.117% |
| 63 | 15.892 | 2174 | 2177 | 2186 | rVB2 | 98679 | 177137 | 1.39% | 0.119% |
| 64 | 15.992 | 2187 | 2194 | 2198 | rVV2 | 62128 | 160578 | 1.26% | 0.108% |
| 65 | 16.039 | 2198 | 2202 | 2209 | rVV2 | 121311 | 248473 | 1.95% | 0.167% |
| 66 | 16.110 | 2209 | 2214 | 2225 | rVB | 499957 | 705671 | 5.54% | 0.475% |
| 67 | 16.275 | 2236 | 2242 | 2249 | rBV2 | 467078 | 828637 | 6.50% | 0.558% |
| 68 | 16.381 | 2255 | 2260 | 2262 | rBV | 123034 | 205731 | 1.61% | 0.139% |
| 69 | 16.504 | 2274 | 2281 | 2286 | rVB2 | 209409 | 390842 | 3.07% | 0.263% |
| 70 | 16.557 | 2286 | 2290 | 2294 | rBV | 101977 | 125701 | 0.99% | 0.085% |
| 71 | 16.786 | 2321 | 2329 | 2337 | rBV4 | 87242 | 221275 | 1.74% | 0.149% |
| 72 | 16.951 | 2347 | 2357 | 2365 | rBV | 4585313 | 6305035 | 49.47% | 4.246% |
| 73 | 17.081 | 2374 | 2379 | 2383 | rBV2 | 124398 | 238073 | 1.87% | 0.160% |
| 74 | 17.122 | 2383 | 2386 | 2391 | rVB | 190600 | 255251 | 2.00% | 0.172% |
| 75 | 17.198 | 2392 | 2399 | 2401 | rVV2 | 48063 | 106998 | 0.84% | 0.072% |
| 76 | 17.257 | 2405 | 2409 | 2412 | rVV2 | 92565 | 138301 | 1.09% | 0.093% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090921\
Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** DBKM1

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_P\METHODS\SFAM-EPA-BP090821.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 17.304 | 2412 | 2417 | 2421 | rVV | 2803135 | 4222714 | 33.13% | 2.844% |
| 78 | 17.345 | 2421 | 2424 | 2429 | rVV | 2386043 | 3377132 | 26.50% | 2.274% |
| 79 | 17.404 | 2429 | 2434 | 2445 | rVV | 5322008 | 8042555 | 63.10% | 5.416% |
| 80 | 17.504 | 2445 | 2451 | 2461 | rVB4 | 102909 | 290305 | 2.28% | 0.195% |
| 81 | 17.669 | 2474 | 2479 | 2480 | rBV | 135966 | 171640 | 1.35% | 0.116% |
| 82 | 17.704 | 2480 | 2485 | 2493 | rVB | 3838046 | 5271617 | 41.36% | 3.550% |
| 83 | 17.798 | 2495 | 2501 | 2507 | rBV2 | 196903 | 417333 | 3.27% | 0.281% |
| 84 | 17.857 | 2507 | 2511 | 2518 | rVB | 266275 | 379565 | 2.98% | 0.256% |
| 85 | 18.133 | 2553 | 2558 | 2562 | rBV2 | 203815 | 375952 | 2.95% | 0.253% |
| 86 | 18.210 | 2568 | 2571 | 2578 | rVB3 | 357037 | 560294 | 4.40% | 0.377% |
| 87 | 18.281 | 2579 | 2583 | 2589 | rVB | 185420 | 241089 | 1.89% | 0.162% |
| 88 | 18.357 | 2590 | 2596 | 2600 | rBV4 | 186839 | 302236 | 2.37% | 0.204% |
| 89 | 18.498 | 2617 | 2620 | 2624 | rVB | 114158 | 136919 | 1.07% | 0.092% |
| 90 | 18.592 | 2631 | 2636 | 2641 | rBV2 | 109730 | 162962 | 1.28% | 0.110% |
| 91 | 19.280 | 2749 | 2753 | 2754 | rVV | 102375 | 129481 | 1.02% | 0.087% |
| 92 | 19.310 | 2754 | 2758 | 2762 | rVB | 316990 | 430649 | 3.38% | 0.290% |
| 93 | 19.416 | 2773 | 2776 | 2784 | rVB2 | 105504 | 156590 | 1.23% | 0.105% |
| 94 | 19.633 | 2807 | 2813 | 2826 | rBV | 7045537 | 9735573 | 76.39% | 6.556% |
| 95 | 20.027 | 2873 | 2880 | 2885 | rBV2 | 221326 | 408499 | 3.21% | 0.275% |
| 96 | 20.086 | 2885 | 2890 | 2901 | rVV | 545229 | 779109 | 6.11% | 0.525% |
| 97 | 21.092 | 3058 | 3061 | 3068 | rVB | 143650 | 172316 | 1.35% | 0.116% |
| 98 | 21.386 | 3106 | 3111 | 3117 | rVB | 3501989 | 4498270 | 35.29% | 3.029% |
| 99 | 23.657 | 3490 | 3497 | 3505 | rBV2 | 4656988 | 9247981 | 72.56% | 6.227% |
| 100 | 23.816 | 3517 | 3524 | 3538 | rVB2 | 2226102 | 4647612 | 36.47% | 3.130% |

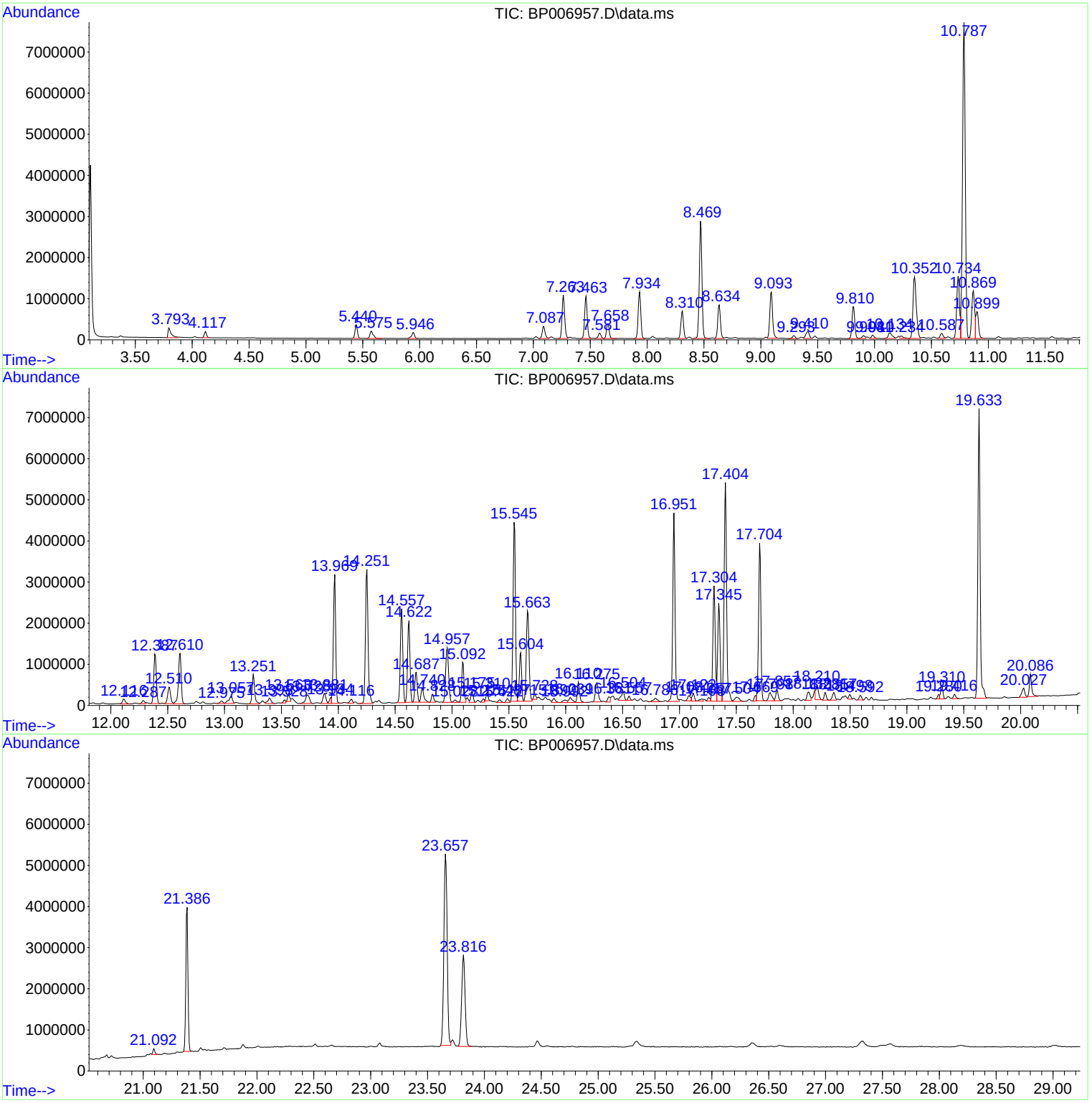
Sum of corrected areas: 148503774

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090921\
Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
DBKM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090921\
Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
DBKM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
Quant Title : SVOA CALIBRATION

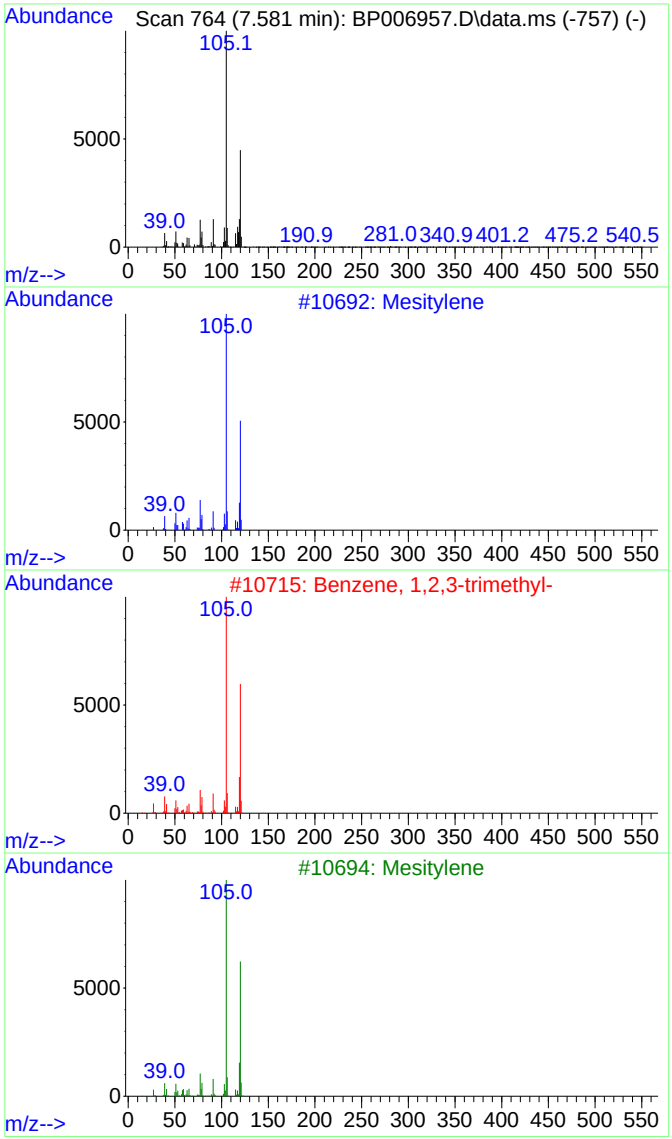
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

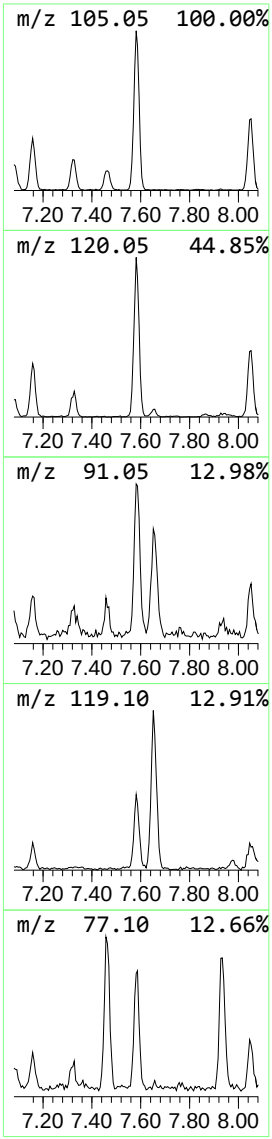
**********

Peak Number 5 Mesitylene Concentration Rank 19

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.581 | 2.43 ng/ul | 219571 | 1,4-Dichlorobenzene-d4 | 7.934 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Mesitylene | 120 | C9H12 | 000108-67-8 | 94 |
| 2 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 93 |
| 3 | Mesitylene | 120 | C9H12 | 000108-67-8 | 90 |
| 4 | Benzene, 1,2,3-trimethyl- | 120 | C9H12 | 000526-73-8 | 90 |
| 5 | Mesitylene | 120 | C9H12 | 000108-67-8 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090921\
Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** DBKM1

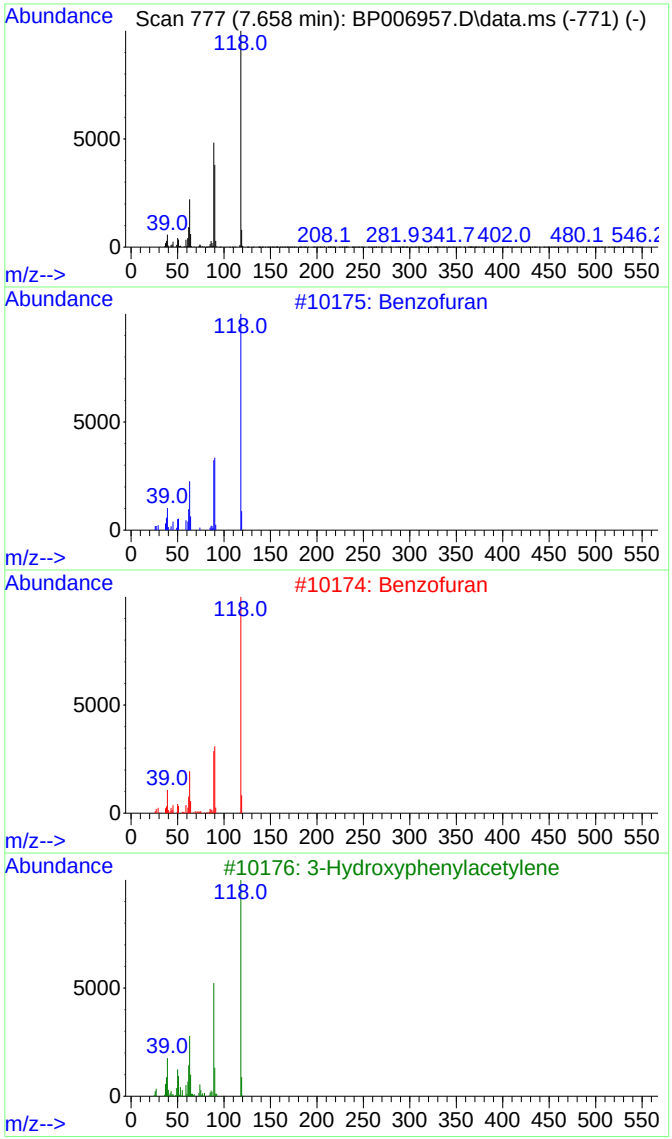
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
Quant Title : SVOA CALIBRATION

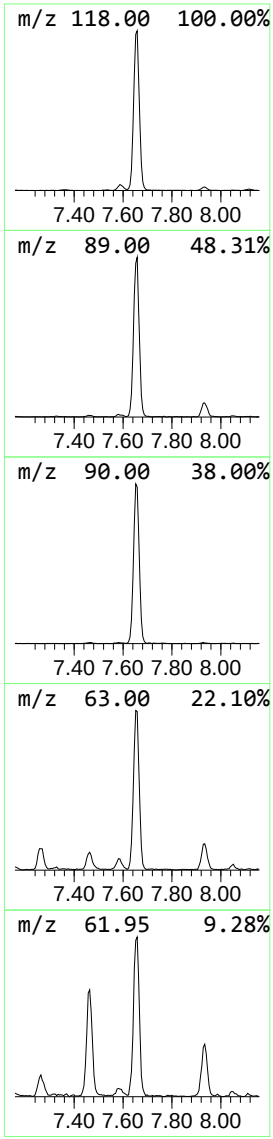
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Benzofuran Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.658 | 6.63 ng/ul | 598093 | 1,4-Dichlorobenzene-d4 | 7.934 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran | 118 | C8H6O | 000271-89-6 | 97 |
| 2 | Benzofuran | 118 | C8H6O | 000271-89-6 | 94 |
| 3 | 3-Hydroxyphenylacetylene | 118 | C8H6O | 010401-11-3 | 91 |
| 4 | Benzofuran | 118 | C8H6O | 000271-89-6 | 90 |
| 5 | Benzofuran | 118 | C8H6O | 000271-89-6 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090921\
Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** DBKM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
Quant Title : SVOA CALIBRATION

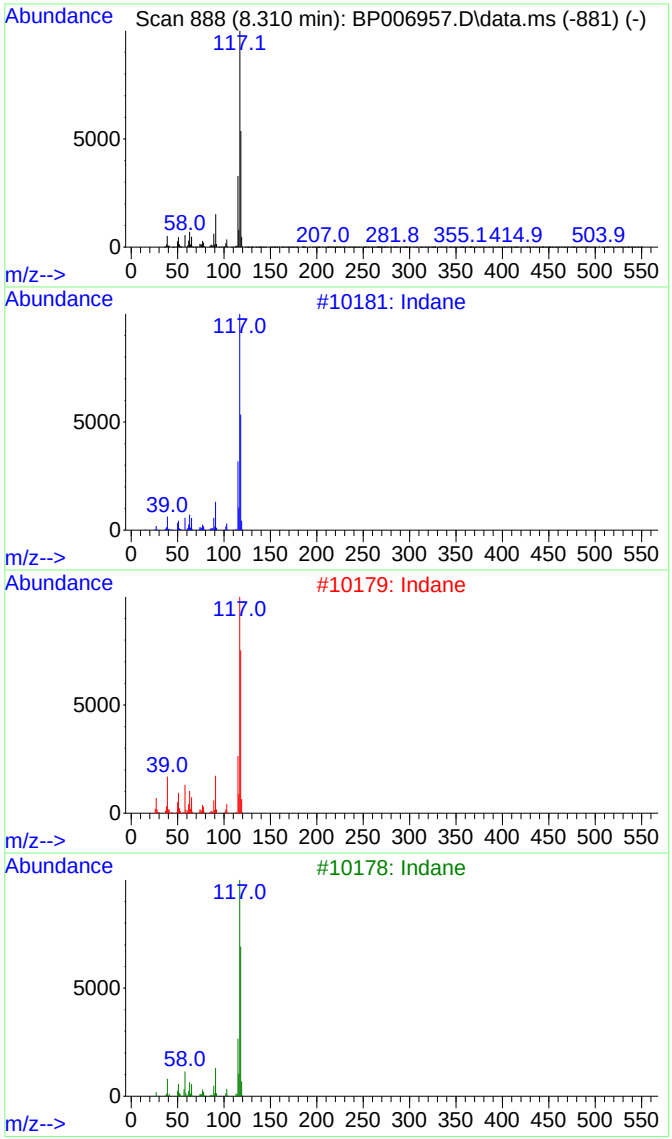
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

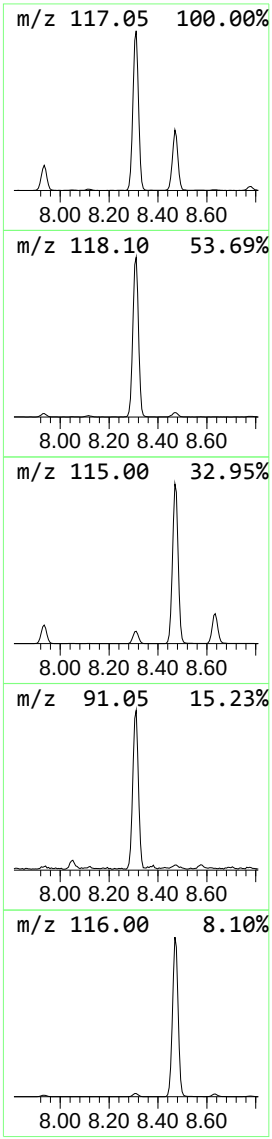
**********

Peak Number 7 Indane Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.310 | 11.84 ng/ul | 1068780 | 1,4-Dichlorobenzene-d4 | 7.934 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indane | 118 | C9H10 | 000496-11-7 | 95 |
| 2 | Indane | 118 | C9H10 | 000496-11-7 | 91 |
| 3 | Indane | 118 | C9H10 | 000496-11-7 | 83 |
| 4 | Tetracyclo[3.3.1.0(2,8).0(4,6)]-... | 118 | C9H10 | 1000191-13-7 | 83 |
| 5 | Deltacyclene | 118 | C9H10 | 007785-10-6 | 72 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090921\
Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** DBKM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
Quant Title : SVOA CALIBRATION

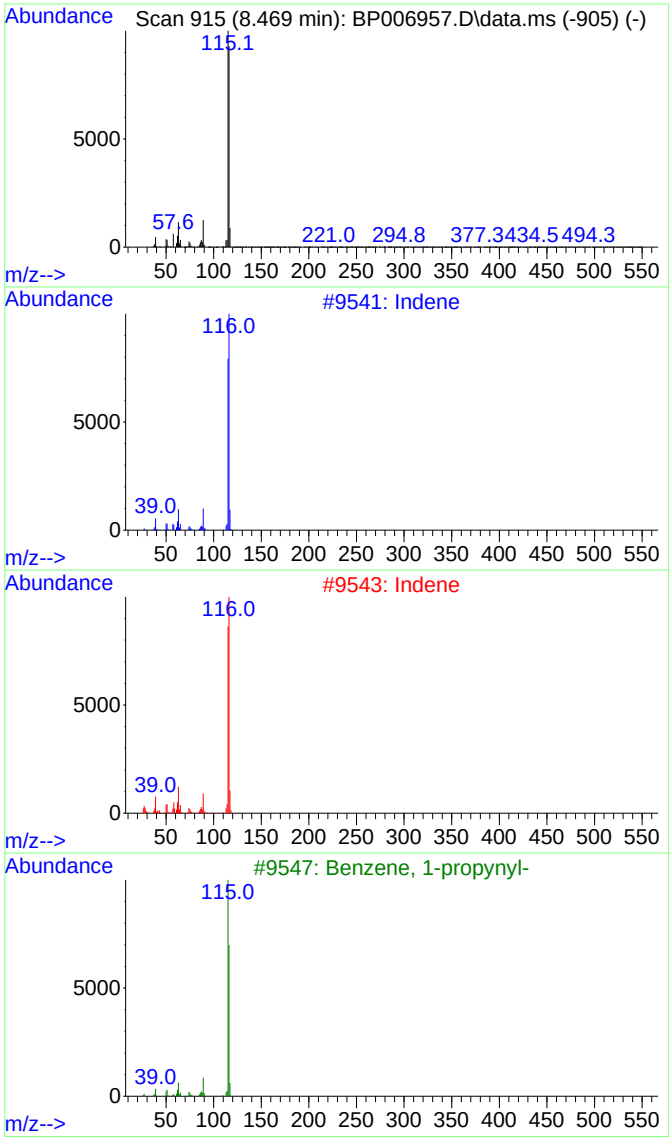
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

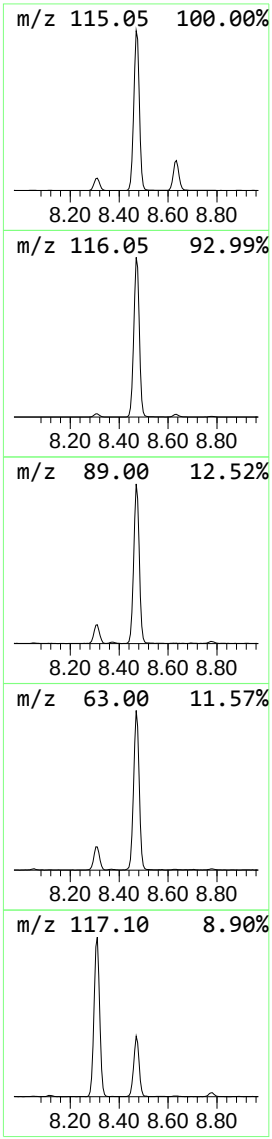
**********

Peak Number 8 Indene Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.469 | 50.71 ng/ul | 4576500 | 1,4-Dichlorobenzene-d4 | 7.934 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Indene | 116 | C9H8 | 000095-13-6 | 97 |
| 2 | Indene | 116 | C9H8 | 000095-13-6 | 95 |
| 3 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 94 |
| 4 | Benzene, 1-propynyl- | 116 | C9H8 | 000673-32-5 | 91 |
| 5 | Benzene, 1-ethynyl-4-methyl- | 116 | C9H8 | 000766-97-2 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090921\
Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
DBKM1

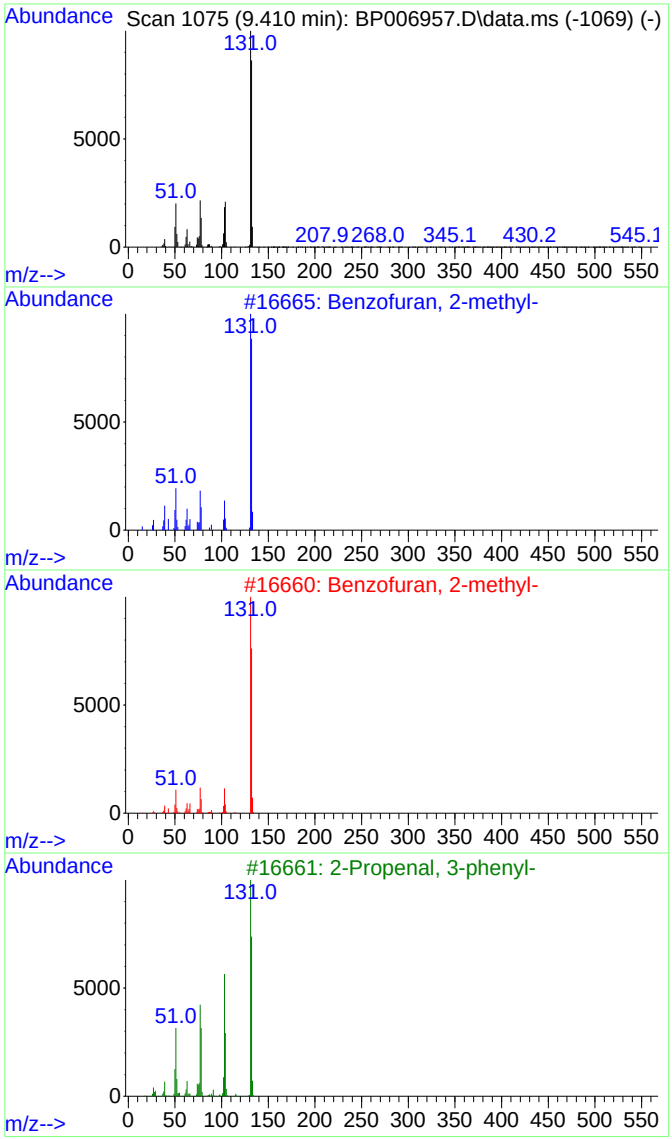
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
Quant Title : SVOA CALIBRATION

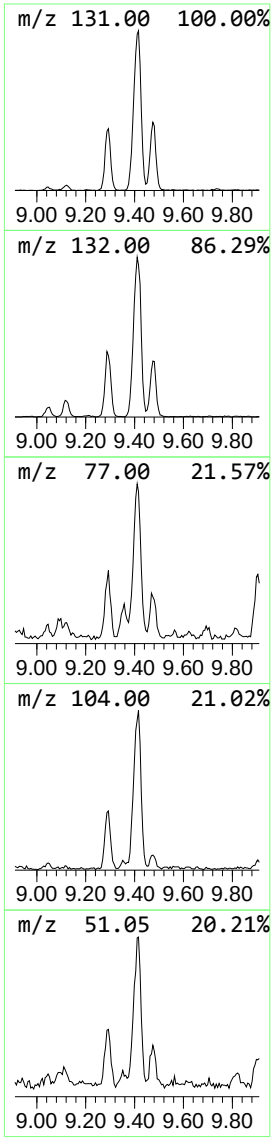
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Benzofuran, 2-methyl- Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.410 | 2.61 ng/ul | 352735 | Naphthalene-d8 | 10.734 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 94 |
| 2 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 94 |
| 3 | 2-Propenal, 3-phenyl- | 132 | C9H8O | 000104-55-2 | 91 |
| 4 | Benzofuran, 2-methyl- | 132 | C9H8O | 004265-25-2 | 91 |
| 5 | 3-Phenyl-2-propyn-1-ol | 132 | C9H8O | 001504-58-1 | 91 |



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Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** DBKM1

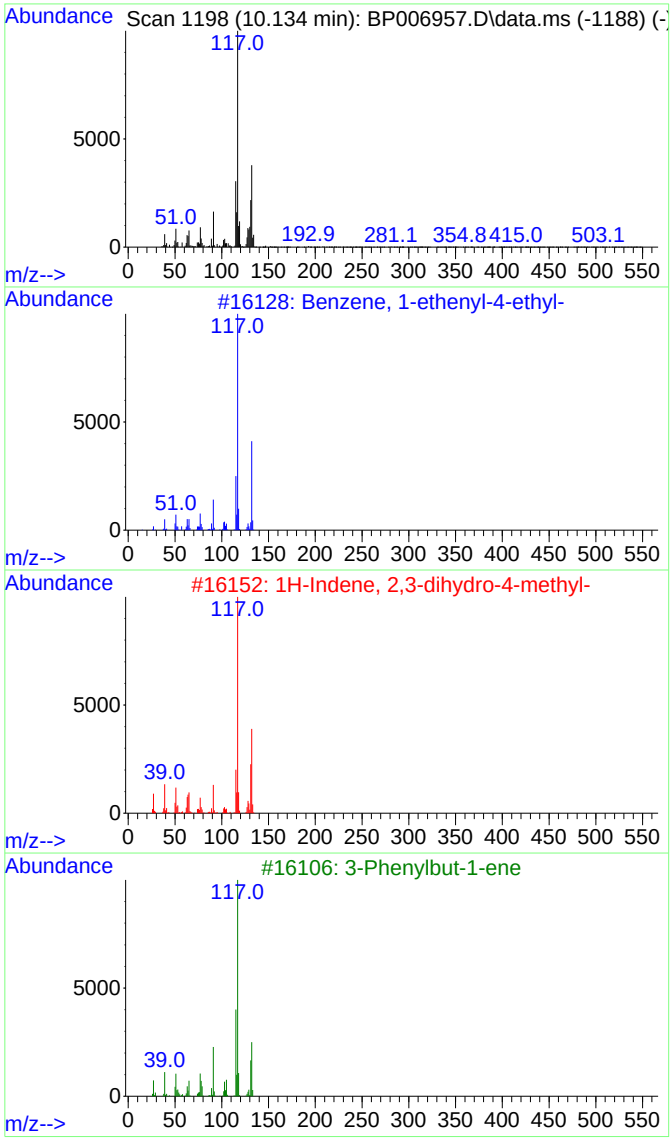
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
Quant Title : SVOA CALIBRATION

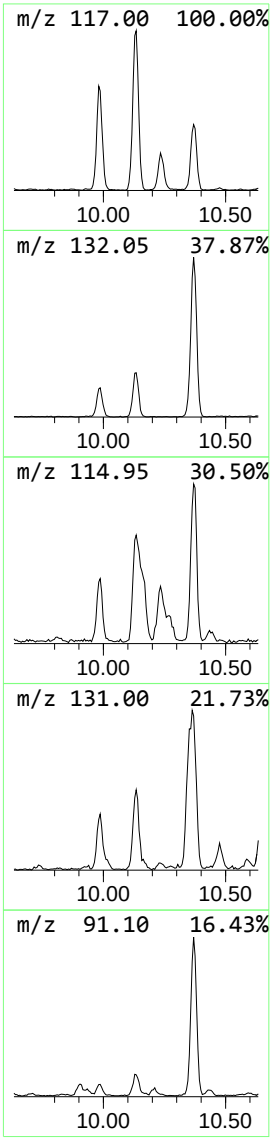
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 10.134 | 2.56 ng/ul | 346163 | Naphthalene-d8 | 10.734 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 93 |
| 2 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 87 |
| 3 | 3-Phenylbut-1-ene | 132 | C10H12 | 000934-10-1 | 83 |
| 4 | 1-Phenyl-1-butene | 132 | C10H12 | 000824-90-8 | 81 |
| 5 | Benzene, 2-ethenyl-1,3-dimethyl- | 132 | C10H12 | 002039-90-9 | 81 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090921\
Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** DBKM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
Quant Title : SVOA CALIBRATION

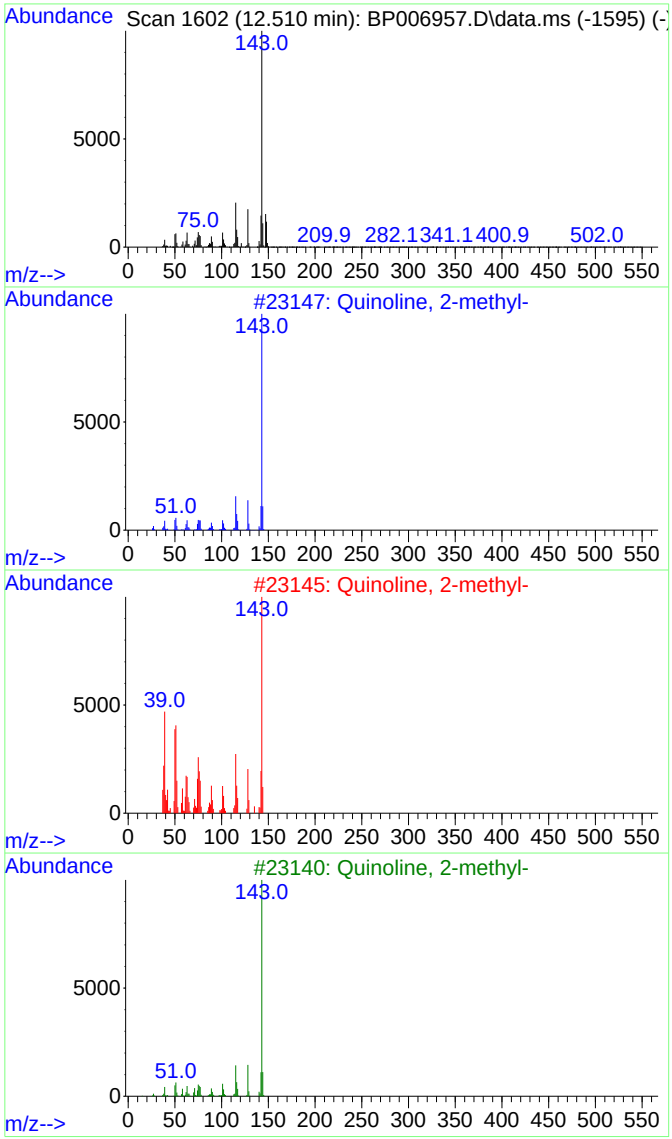
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

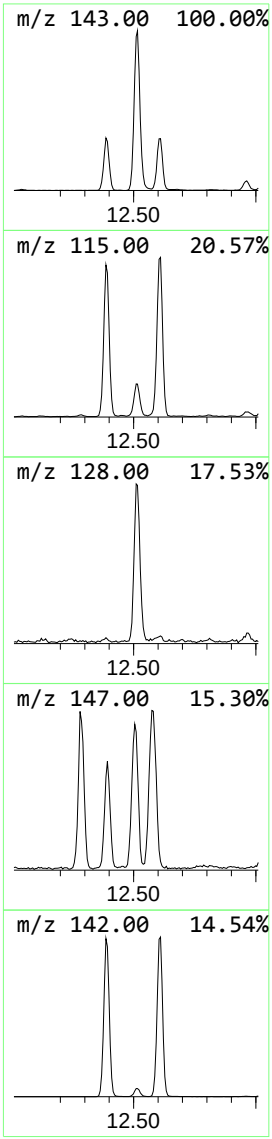
**********

Peak Number 11 Quinoline, 2-methyl- Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.510 | 5.28 ng/ul | 713380 | Naphthalene-d8 | 10.734 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Quinoline, 2-methyl- | 143 | C10H9N | 000091-63-4 | 95 |
| 2 | Quinoline, 2-methyl- | 143 | C10H9N | 000091-63-4 | 93 |
| 3 | Quinoline, 2-methyl- | 143 | C10H9N | 000091-63-4 | 93 |
| 4 | Quinoline, 4-methyl- | 143 | C10H9N | 000491-35-0 | 81 |
| 5 | Isoquinoline, 1-methyl- | 143 | C10H9N | 001721-93-3 | 81 |



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Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** DBKM1

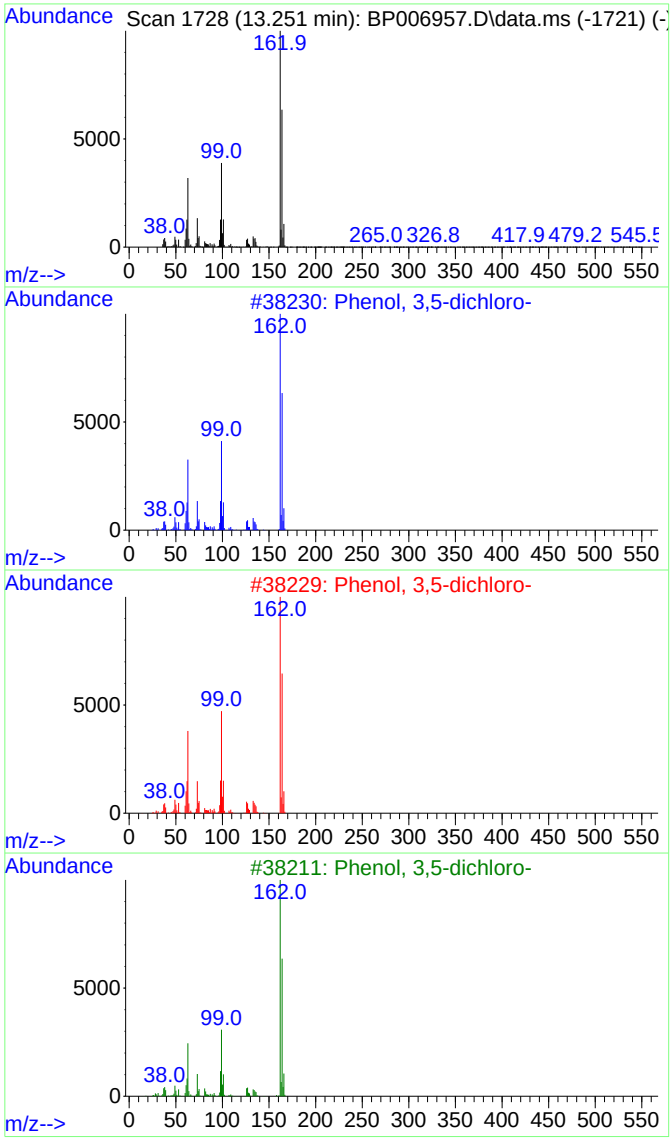
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
Quant Title : SVOA CALIBRATION

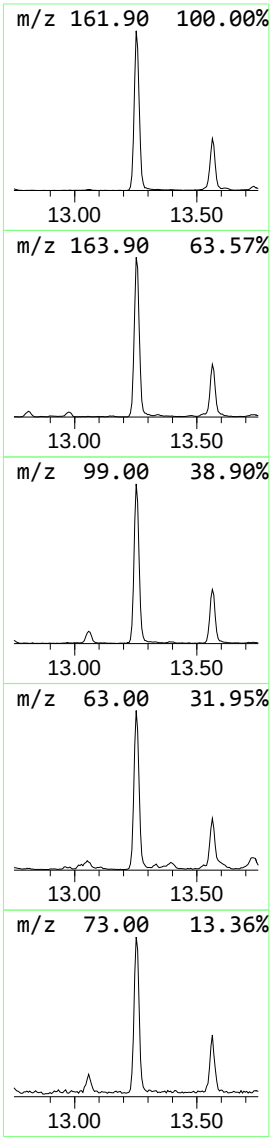
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 Phenol, 3,5-dichloro- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.251 | 6.59 ng/ul | 1108040 | Acenaphthene-d10 | 14.557 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 3,5-dichloro- | 162 | C6H4Cl2O | 000591-35-5 | 98 |
| 2 | Phenol, 3,5-dichloro- | 162 | C6H4Cl2O | 000591-35-5 | 98 |
| 3 | Phenol, 3,5-dichloro- | 162 | C6H4Cl2O | 000591-35-5 | 98 |
| 4 | Phenol, 3,4-dichloro- | 162 | C6H4Cl2O | 000095-77-2 | 96 |
| 5 | Phenol, 3,5-dichloro- | 162 | C6H4Cl2O | 000591-35-5 | 95 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090921\
Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
DBKM1

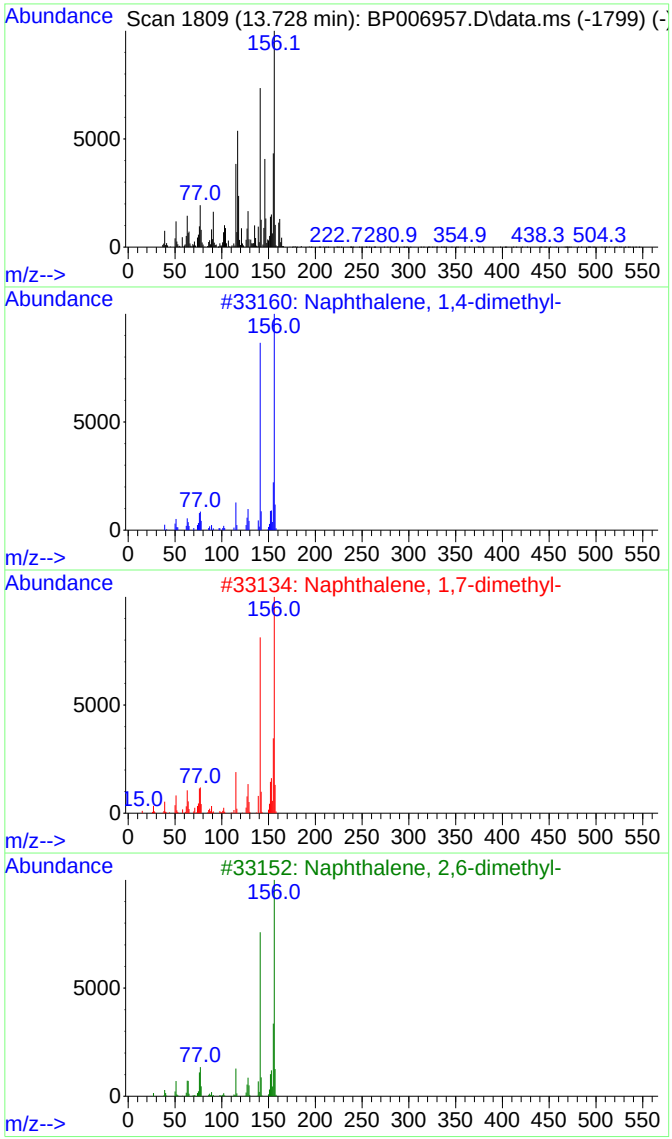
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
Quant Title : SVOA CALIBRATION

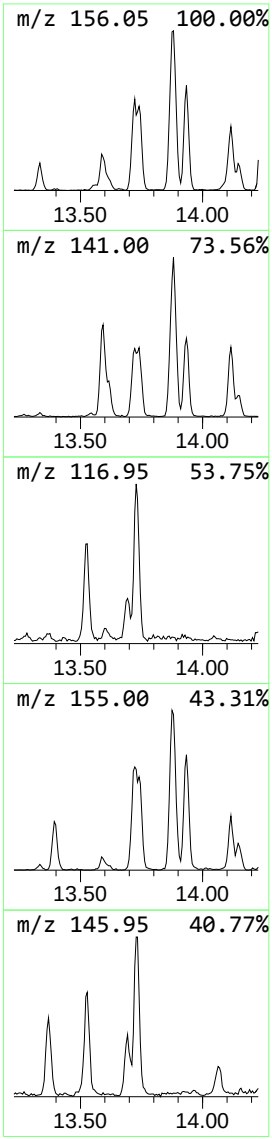
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 Naphthalene, 1,4-dimethyl- Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.728 | 3.05 ng/ul | 513072 | Acenaphthene-d10 | 14.557 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 89 |
| 2 | Naphthalene, 1,7-dimethyl- | 156 | C12H12 | 000575-37-1 | 87 |
| 3 | Naphthalene, 2,6-dimethyl- | 156 | C12H12 | 000581-42-0 | 87 |
| 4 | Naphthalene, 1,2-dimethyl- | 156 | C12H12 | 000573-98-8 | 86 |
| 5 | Naphthalene, 2,7-dimethyl- | 156 | C12H12 | 000582-16-1 | 86 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090921\
Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
DBKM1

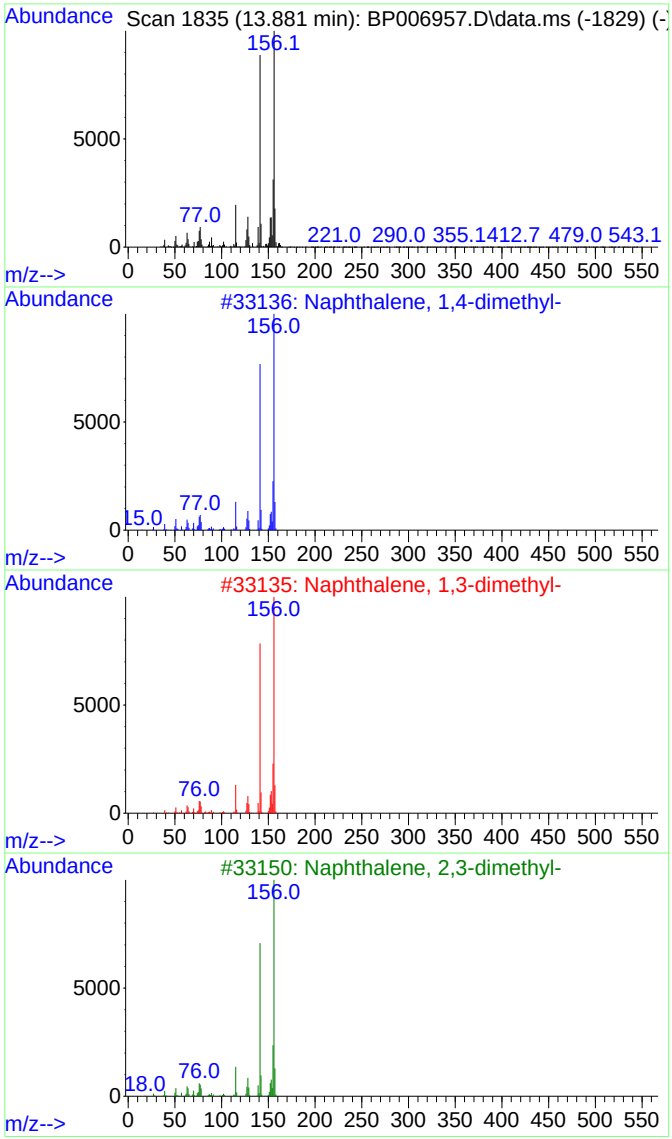
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
Quant Title : SVOA CALIBRATION

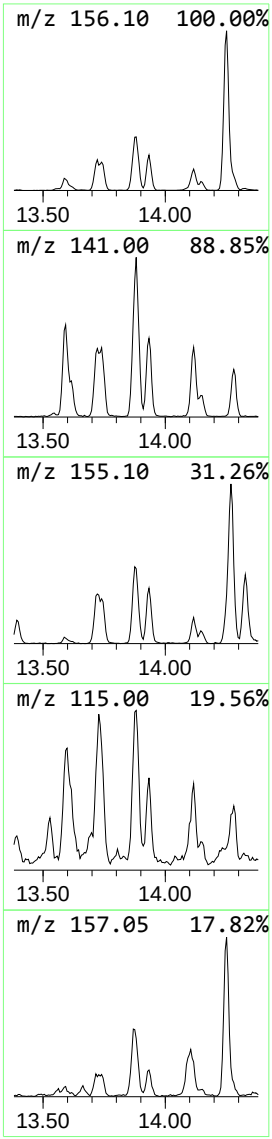
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 14 Naphthalene, 1,3-dimethyl- Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.881 | 2.61 ng/ul | 438598 | Acenaphthene-d10 | 14.557 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,4-dimethyl- | 156 | C12H12 | 000571-58-4 | 97 |
| 2 | Naphthalene, 1,3-dimethyl- | 156 | C12H12 | 000575-41-7 | 96 |
| 3 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 96 |
| 4 | Naphthalene, 1,6-dimethyl- | 156 | C12H12 | 000575-43-9 | 96 |
| 5 | Naphthalene, 2,3-dimethyl- | 156 | C12H12 | 000581-40-8 | 96 |



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Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
DBKM1

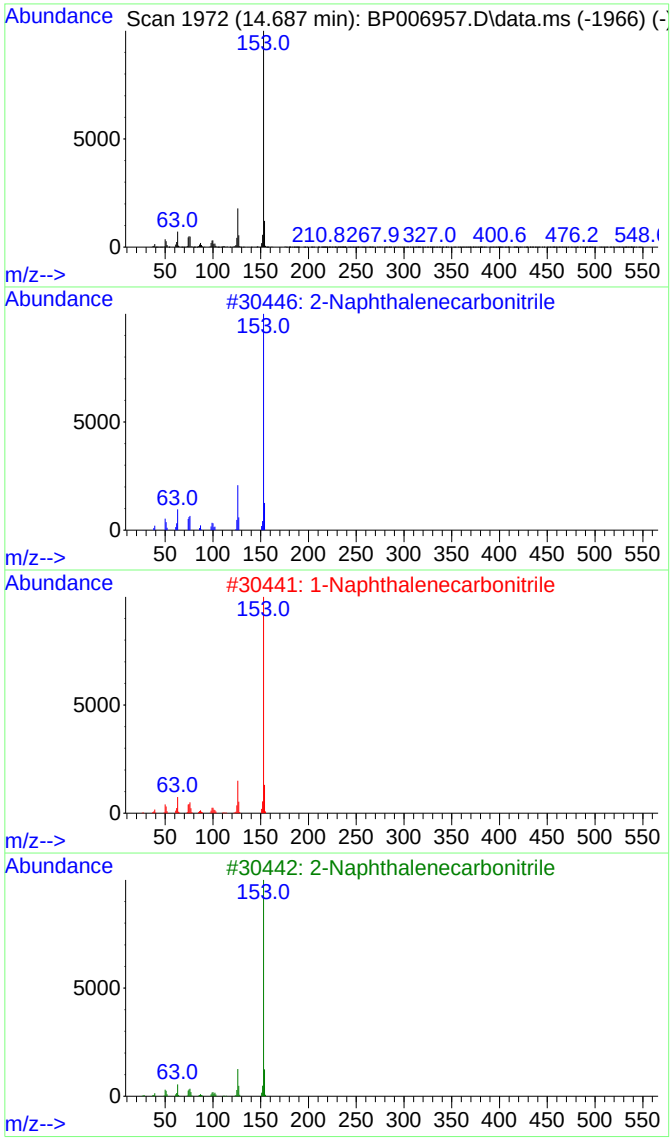
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
Quant Title : SVOA CALIBRATION

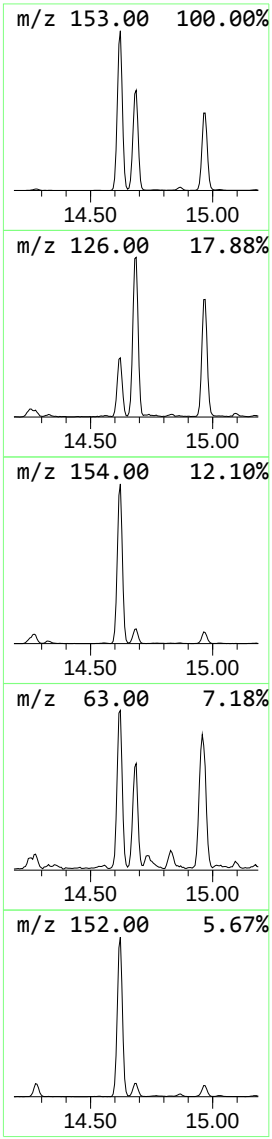
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 15 2-Naphthalenecarbonitrile Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.687 | 6.40 ng/ul | 1077100 | Acenaphthene-d10 | 14.557 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Naphthalenecarbonitrile | 153 | C11H7N | 000613-46-7 | 97 |
| 2 | 1-Naphthalenecarbonitrile | 153 | C11H7N | 000086-53-3 | 97 |
| 3 | 2-Naphthalenecarbonitrile | 153 | C11H7N | 000613-46-7 | 94 |
| 4 | 2-Naphthyl isocyanide | 153 | C11H7N | 010124-78-4 | 94 |
| 5 | 1-Naphthalenecarbonitrile | 153 | C11H7N | 000086-53-3 | 91 |



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Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** DBKM1

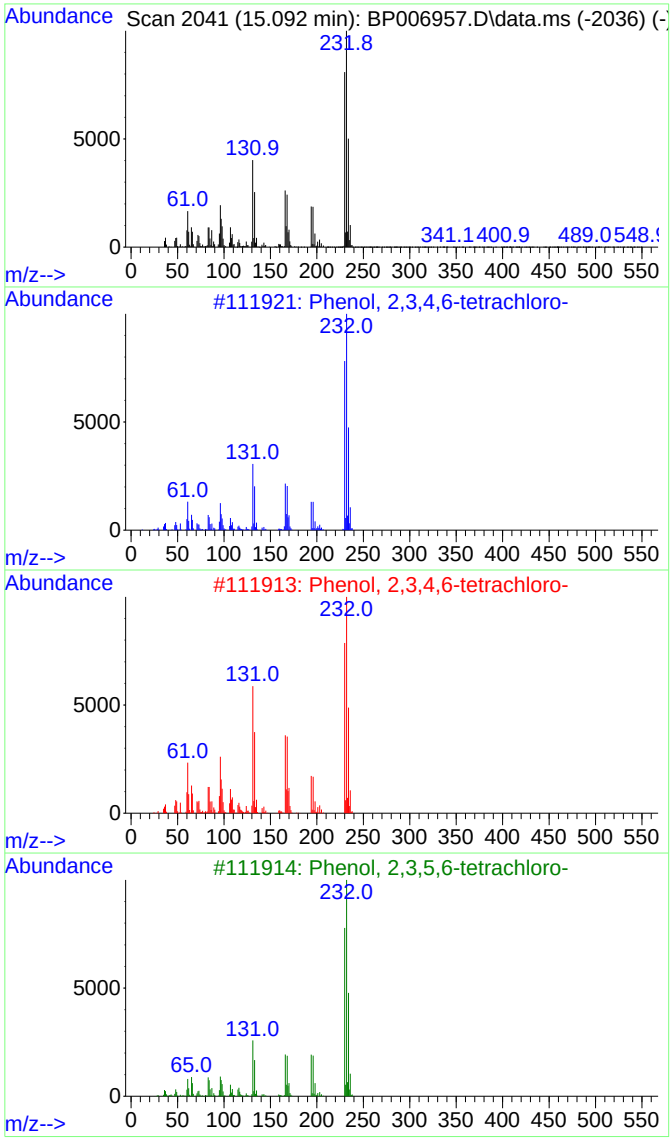
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
Quant Title : SVOA CALIBRATION

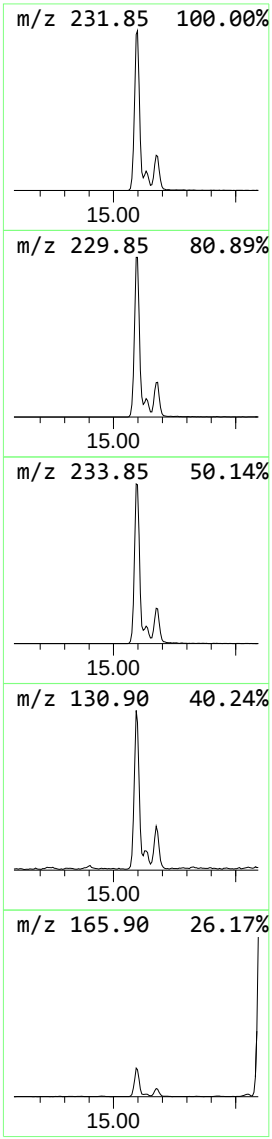
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 Phenol, 2,3,5,6-tetrachloro- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.092 | 8.16 ng/ul | 1372630 | Acenaphthene-d10 | 14.557 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2,3,4,6-tetrachloro- | 230 | C6H2Cl4O | 000058-90-2 | 99 |
| 2 | Phenol, 2,3,4,6-tetrachloro- | 230 | C6H2Cl4O | 000058-90-2 | 99 |
| 3 | Phenol, 2,3,5,6-tetrachloro- | 230 | C6H2Cl4O | 000935-95-5 | 99 |
| 4 | Phenol, 2,3,4,6-tetrachloro- | 230 | C6H2Cl4O | 000058-90-2 | 99 |
| 5 | Phenol, 2,3,4,5-tetrachloro- | 230 | C6H2Cl4O | 004901-51-3 | 96 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090921\
Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** DBKM1

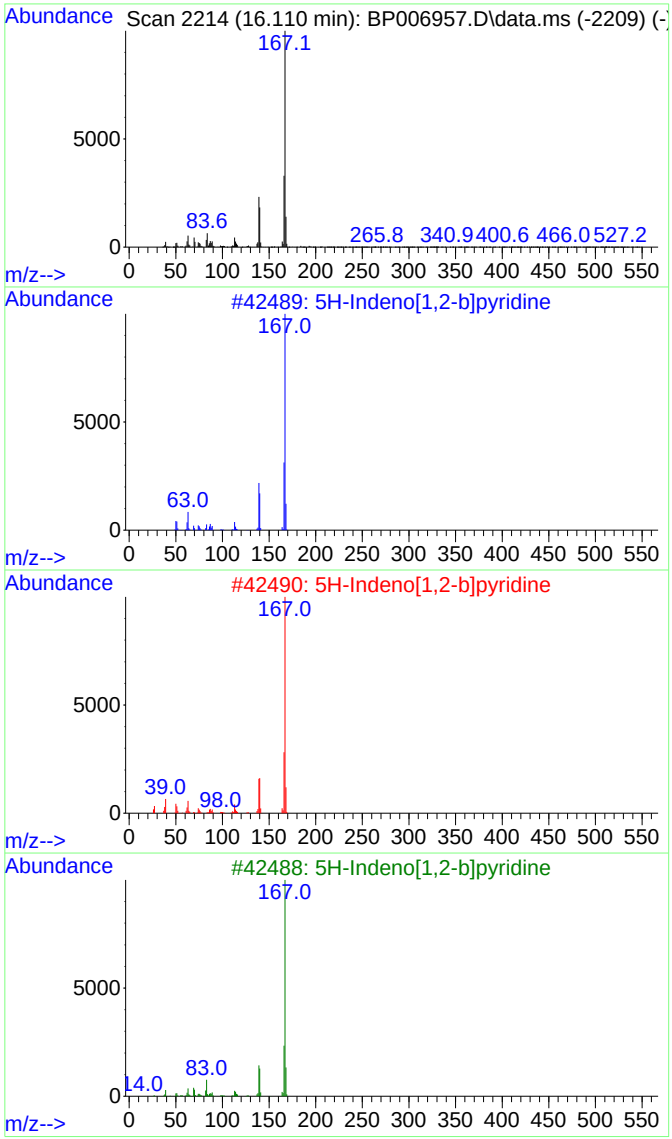
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
Quant Title : SVOA CALIBRATION

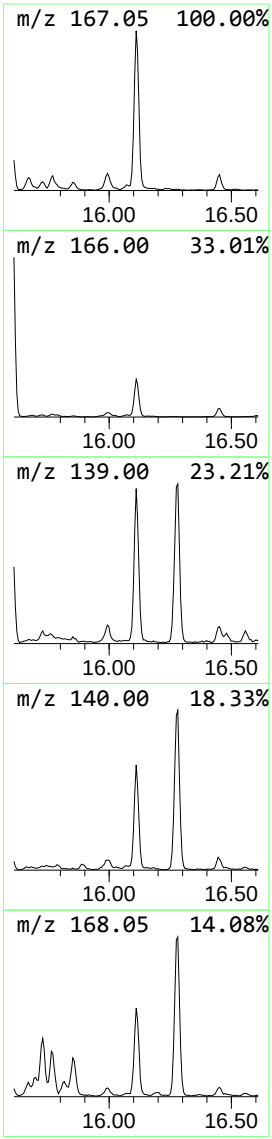
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 5H-Indeno[1,2-b]pyridine Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.110 | 3.34 ng/ul | 705671 | Phenanthrene-d10 | 17.304 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 5H-Indeno[1,2-b]pyridine | 167 | C12H9N | 000244-99-5 | 95 |
| 2 | 5H-Indeno[1,2-b]pyridine | 167 | C12H9N | 000244-99-5 | 94 |
| 3 | 5H-Indeno[1,2-b]pyridine | 167 | C12H9N | 000244-99-5 | 94 |
| 4 | Carbazole | 167 | C12H9N | 000086-74-8 | 87 |
| 5 | 9H-Carbazole-9-methanol | 197 | C13H11NO | 002409-36-1 | 80 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090921\
Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
DBKM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
Quant Title : SVOA CALIBRATION

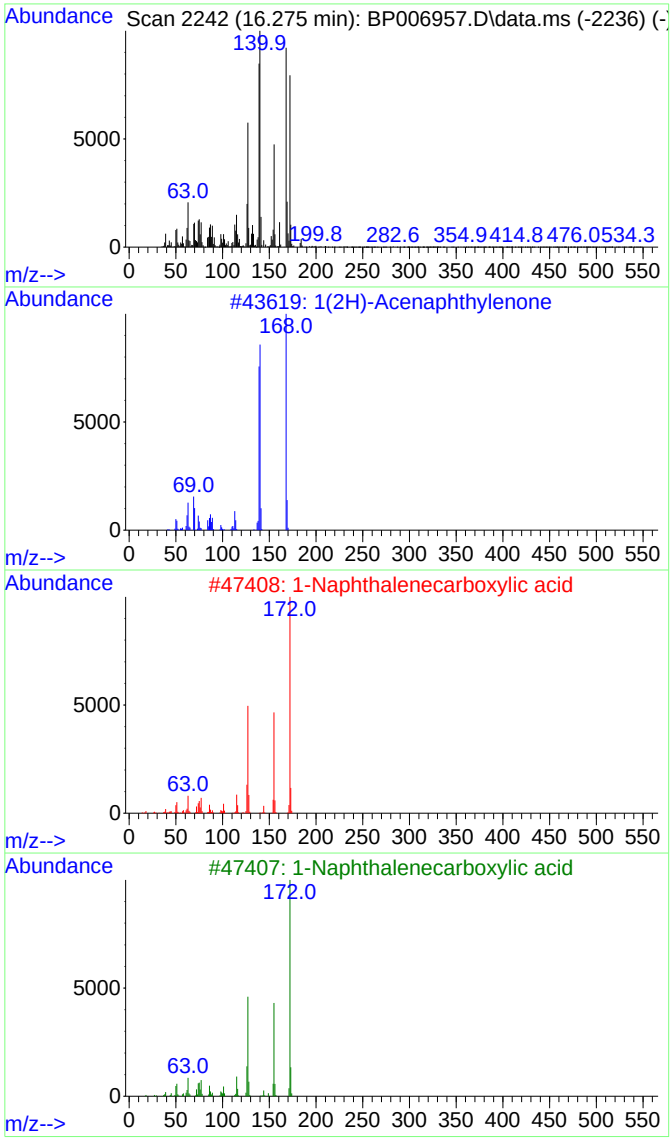
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

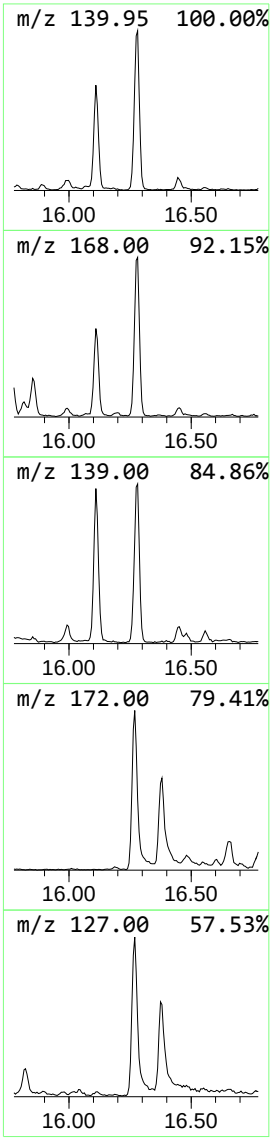
**********

Peak Number 18 1(2H)-Acenaphthylenone Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.275 | 3.92 ng/ul | 828637 | Phenanthrene-d10 | 17.304 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1(2H)-Acenaphthylenone | 168 | C12H8O | 002235-15-6 | 90 |
| 2 | 1-Naphthalenecarboxylic acid | 172 | C11H8O2 | 000086-55-5 | 86 |
| 3 | 1-Naphthalenecarboxylic acid | 172 | C11H8O2 | 000086-55-5 | 83 |
| 4 | 1-Naphthalenecarboxylic acid | 172 | C11H8O2 | 000086-55-5 | 80 |
| 5 | 2-Naphthalenecarboxylic acid | 172 | C11H8O2 | 000093-09-4 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090921\
Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
DBKM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
Quant Title : SVOA CALIBRATION

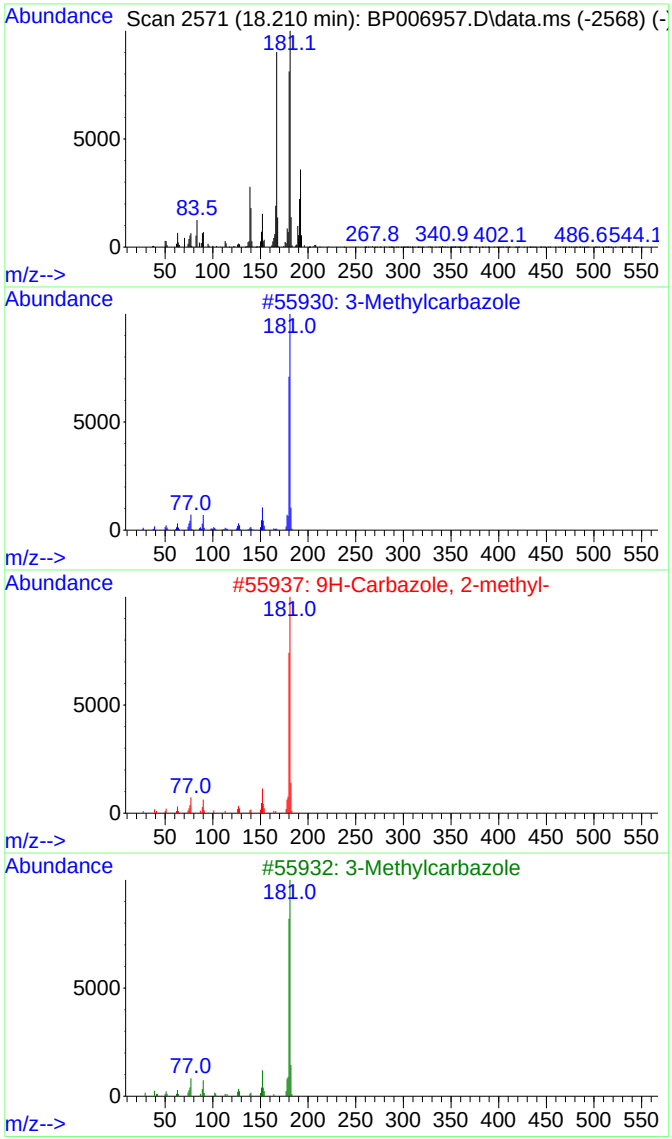
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

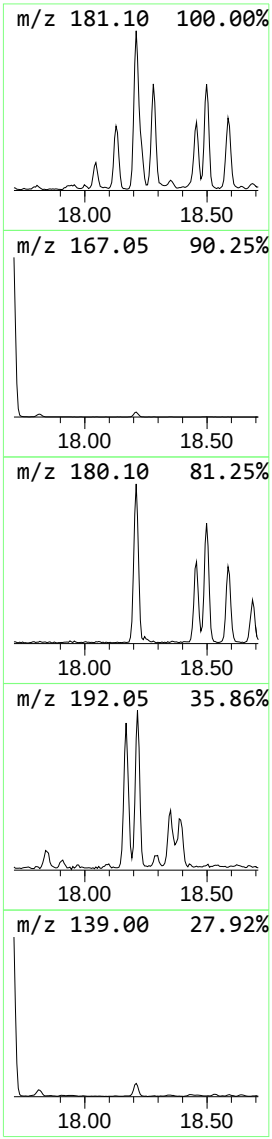
**********

Peak Number 19 3-Methylcarbazole Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.210 | 2.65 ng/ul | 560294 | Phenanthrene-d10 | 17.304 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Methylcarbazole | 181 | C13H11N | 004630-20-0 | 64 |
| 2 | 9H-Carbazole, 2-methyl- | 181 | C13H11N | 003652-91-3 | 64 |
| 3 | 3-Methylcarbazole | 181 | C13H11N | 004630-20-0 | 50 |
| 4 | 1-Methylcarbazole | 181 | C13H11N | 006510-65-2 | 50 |
| 5 | 9H-Carbazole, 9-methyl- | 181 | C13H11N | 001484-12-4 | 46 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090921\
Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** DBKM1

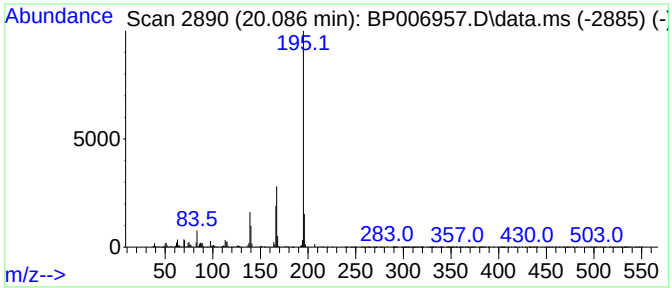
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
Quant Title : SVOA CALIBRATION

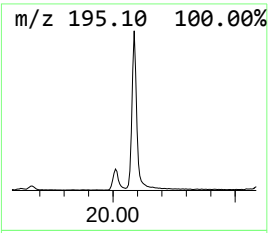
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

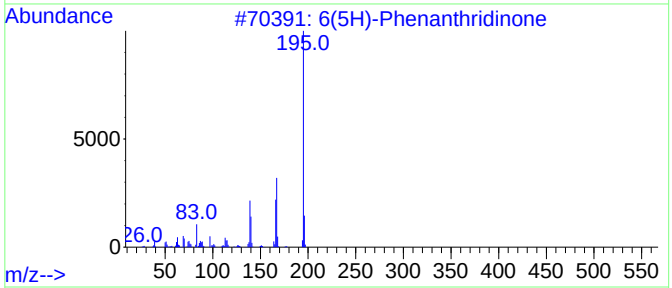
**********
Peak Number 20 6(5H)-Phenanthridinone Concentration Rank 11

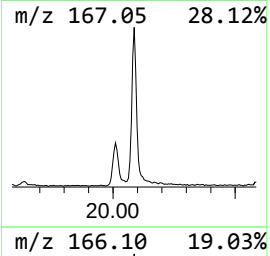
| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 20.086 | 3.46 ng/ul | 779109 | Chrysene-d12 | 21.386 |

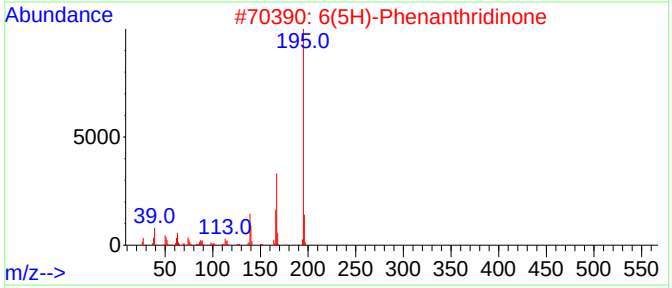
| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 6(5H)-Phenanthridinone | 195 | C13H9NO | 001015-89-0 | 97 |
| 2 | 6(5H)-Phenanthridinone | 195 | C13H9NO | 001015-89-0 | 96 |
| 3 | 9-Acridinol | 195 | C13H9NO | 000643-62-9 | 96 |
| 4 | 4-Amino-9-fluorenone | 195 | C13H9NO | 004269-15-2 | 96 |
| 5 | 3-Acridinol | 195 | C13H9NO | 007132-70-9 | 96 |

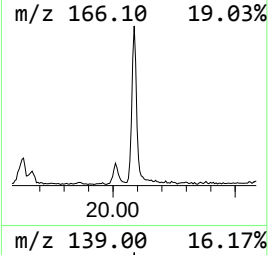


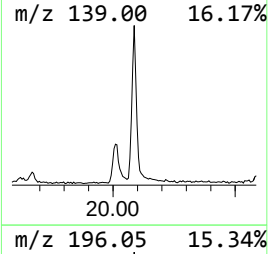



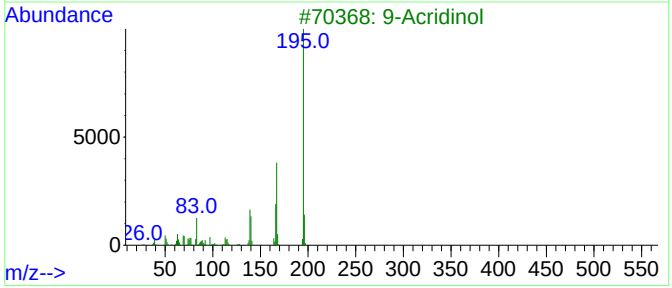



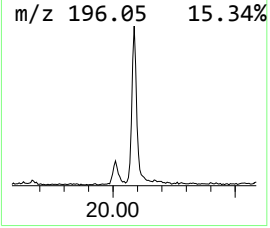



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP090921\
Data File : BP006957.D
Acq On : 11 Sep 2021 00:18
Operator : CG/JU
Sample : M3651-05
Misc :
ALS Vial : 57 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** DBKM1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\SFAM-EPA-BP090821.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

| | | | | | --Internal Standard--- | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Mesitylene | 7.581 | 2.4 | ng/ul | 219571 | 1 | 7.934 | 1804930 | 20.0 |
| Benzofuran | 7.658 | 6.6 | ng/ul | 598093 | 1 | 7.934 | 1804930 | 20.0 |
| Indane | 8.310 | 11.8 | ng/ul | 1068780 | 1 | 7.934 | 1804930 | 20.0 |
| Indene | 8.469 | 50.7 | ng/ul | 4576500 | 1 | 7.934 | 1804930 | 20.0 |
| Benzofuran, 2-m... | 9.410 | 2.6 | ng/ul | 352735 | 2 | 10.734 | 2700340 | 20.0 |
| Benzene, 1-ethe... | 10.134 | 2.6 | ng/ul | 346163 | 2 | 10.734 | 2700340 | 20.0 |
| Quinoline, 2-me... | 12.510 | 5.3 | ng/ul | 713380 | 2 | 10.734 | 2700340 | 20.0 |
| Phenol, 3,5-dic... | 13.251 | 6.6 | ng/ul | 1108040 | 3 | 14.557 | 3363710 | 20.0 |
| Naphthalene, 1,... | 13.728 | 3.0 | ng/ul | 513072 | 3 | 14.557 | 3363710 | 20.0 |
| Naphthalene, 1,... | 13.881 | 2.6 | ng/ul | 438598 | 3 | 14.557 | 3363710 | 20.0 |
| 2-Naphthaleneca... | 14.687 | 6.4 | ng/ul | 1077100 | 3 | 14.557 | 3363710 | 20.0 |
| Phenol, 2,3,5,6... | 15.092 | 8.2 | ng/ul | 1372630 | 3 | 14.557 | 3363710 | 20.0 |
| 5H-Indeno[1,2-b... | 16.110 | 3.3 | ng/ul | 705671 | 4 | 17.304 | 4222710 | 20.0 |
| 1(2H)-Acenaphth... | 16.275 | 3.9 | ng/ul | 828637 | 4 | 17.304 | 4222710 | 20.0 |
| 3-Methylcarbazole | 18.210 | 2.6 | ng/ul | 560294 | 4 | 17.304 | 4222710 | 20.0 |
| 6(5H)-Phenanthr... | 20.086 | 3.5 | ng/ul | 779109 | 5 | 21.386 | 4498270 | 20.0 |