LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092923\
Data File : BP017441.D
Acq On : 29 Sep 2023 12:14
Operator : MA/JU
Sample : 04472-22
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EZYP5

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-BP092023.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BP017441.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.299 | 33 | 36 | 43 | rVB | 32618 | 38446 | 0.51% | 0.055% |
| 2 | 3.734 | 106 | 110 | 126 | rBV | 330870 | 487977 | 6.46% | 0.701% |
| 3 | 3.928 | 138 | 143 | 155 | rVB | 67370 | 111315 | 1.47% | 0.160% |
| 4 | 4.040 | 160 | 162 | 168 | rVB2 | 16277 | 18900 | 0.25% | 0.027% |
| 5 | 4.187 | 183 | 187 | 192 | rVB3 | 29919 | 37698 | 0.50% | 0.054% |
| 6 | 4.434 | 224 | 229 | 234 | rVB2 | 37780 | 55530 | 0.73% | 0.080% |
| 7 | 4.569 | 248 | 252 | 256 | rBV5 | 12461 | 15290 | 0.20% | 0.022% |
| 8 | 4.981 | 318 | 322 | 327 | rVB | 17753 | 25737 | 0.34% | 0.037% |
| 9 | 5.316 | 373 | 379 | 385 | rBV5 | 5250 | 10314 | 0.14% | 0.015% |
| 10 | 5.446 | 398 | 401 | 409 | rVB5 | 7266 | 11997 | 0.16% | 0.017% |
| 11 | 5.569 | 419 | 422 | 427 | rBV | 10695 | 14841 | 0.20% | 0.021% |
| 12 | 5.752 | 447 | 453 | 457 | rVB7 | 6062 | 13174 | 0.17% | 0.019% |
| 13 | 5.793 | 457 | 460 | 467 | rBV9 | 3113 | 8379 | 0.11% | 0.012% |
| 14 | 5.981 | 487 | 492 | 503 | rBV | 128600 | 214250 | 2.84% | 0.308% |
| 15 | 6.352 | 550 | 555 | 559 | rBV | 20664 | 29340 | 0.39% | 0.042% |
| 16 | 6.546 | 585 | 588 | 597 | rBV2 | 16432 | 26792 | 0.35% | 0.039% |
| 17 | 6.916 | 644 | 651 | 659 | rBV7 | 10522 | 24921 | 0.33% | 0.036% |
| 18 | 7.110 | 677 | 684 | 693 | rBV2 | 325515 | 529482 | 7.01% | 0.761% |
| 19 | 7.293 | 708 | 715 | 724 | rBV | 836517 | 1306056 | 17.28% | 1.877% |
| 20 | 7.475 | 739 | 746 | 760 | rBV | 886567 | 1418383 | 18.77% | 2.038% |
| 21 | 7.769 | 791 | 796 | 804 | rVB6 | 6180 | 13046 | 0.17% | 0.019% |
| 22 | 7.958 | 818 | 828 | 841 | rBV | 836342 | 1398267 | 18.50% | 2.010% |
| 23 | 8.222 | 868 | 873 | 875 | rBV6 | 5287 | 9223 | 0.12% | 0.013% |
| 24 | 8.563 | 927 | 931 | 937 | rVB9 | 4636 | 8117 | 0.11% | 0.012% |
| 25 | 8.675 | 943 | 950 | 964 | rBV | 746801 | 1206494 | 15.97% | 1.734% |
| 26 | 8.816 | 968 | 974 | 980 | rVB2 | 23179 | 38646 | 0.51% | 0.056% |
| 27 | 8.922 | 988 | 992 | 997 | rVB2 | 14377 | 20457 | 0.27% | 0.029% |
| 28 | 9.069 | 1010 | 1017 | 1024 | rBV2 | 26755 | 48189 | 0.64% | 0.069% |
| 29 | 9.163 | 1025 | 1033 | 1043 | rVV | 1041792 | 1712675 | 22.66% | 2.461% |
| 30 | 9.275 | 1047 | 1052 | 1060 | rVV7 | 17807 | 34135 | 0.45% | 0.049% |
| 31 | 9.357 | 1062 | 1066 | 1071 | rVB6 | 5340 | 8502 | 0.11% | 0.012% |
| 32 | 9.881 | 1144 | 1155 | 1167 | rBV | 877189 | 1433435 | 18.97% | 2.060% |
| 33 | 10.069 | 1184 | 1187 | 1192 | rVB7 | 6509 | 11583 | 0.15% | 0.017% |
| 34 | 10.269 | 1216 | 1221 | 1225 | rBV8 | 4208 | 8479 | 0.11% | 0.012% |
| 35 | 10.410 | 1236 | 1245 | 1256 | rBV | 1243165 | 2095793 | 27.73% | 3.012% |
| 36 | 10.551 | 1267 | 1269 | 1277 | rVB9 | 7014 | 12278 | 0.16% | 0.018% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092923\
Data File : BP017441.D
Acq On : 29 Sep 2023 12:14
Operator : MA/JU
Sample : 04472-22
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** EZYP5

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-BP092023.MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 10.693 | 1288 | 1293 | 1302 | rBV2 | 27318 | 46660 | 0.62% | 0.067% |
| 38 | 10.793 | 1302 | 1310 | 1328 | rVB | 1143562 | 1967853 | 26.04% | 2.828% |
| 39 | 10.963 | 1331 | 1339 | 1356 | rVV | 1264911 | 2128994 | 28.17% | 3.060% |
| 40 | 11.087 | 1359 | 1360 | 1370 | rVB9 | 5649 | 12513 | 0.17% | 0.018% |
| 41 | 11.299 | 1389 | 1396 | 1400 | rBV2 | 10021 | 17474 | 0.23% | 0.025% |
| 42 | 11.357 | 1400 | 1406 | 1412 | rVB2 | 9369 | 15437 | 0.20% | 0.022% |
| 43 | 11.487 | 1422 | 1428 | 1436 | rBV2 | 12819 | 29061 | 0.38% | 0.042% |
| 44 | 11.563 | 1437 | 1441 | 1445 | rVV3 | 9806 | 13748 | 0.18% | 0.020% |
| 45 | 12.387 | 1576 | 1581 | 1585 | rBV | 20554 | 31120 | 0.41% | 0.045% |
| 46 | 12.628 | 1614 | 1622 | 1627 | rBV | 14083 | 26201 | 0.35% | 0.038% |
| 47 | 12.963 | 1672 | 1679 | 1690 | rBV | 51488 | 114132 | 1.51% | 0.164% |
| 48 | 13.216 | 1716 | 1722 | 1729 | rBV | 188183 | 281828 | 3.73% | 0.405% |
| 49 | 13.475 | 1761 | 1766 | 1773 | rVB2 | 36029 | 65205 | 0.86% | 0.094% |
| 50 | 13.593 | 1779 | 1786 | 1795 | rBV | 49388 | 81984 | 1.08% | 0.118% |
| 51 | 13.828 | 1818 | 1826 | 1830 | rVB3 | 17553 | 26568 | 0.35% | 0.038% |
| 52 | 13.969 | 1844 | 1850 | 1854 | rBV8 | 6763 | 12018 | 0.16% | 0.017% |
| 53 | 14.063 | 1859 | 1866 | 1872 | rVV | 2571359 | 3362197 | 44.49% | 4.832% |
| 54 | 14.104 | 1872 | 1873 | 1878 | rVB4 | 8614 | 11496 | 0.15% | 0.017% |
| 55 | 14.251 | 1893 | 1898 | 1905 | rBV9 | 6765 | 13910 | 0.18% | 0.020% |
| 56 | 14.351 | 1907 | 1915 | 1924 | rBV | 2812245 | 4200388 | 55.58% | 6.037% |
| 57 | 14.534 | 1941 | 1946 | 1954 | rVB10 | 6676 | 12026 | 0.16% | 0.017% |
| 58 | 14.651 | 1960 | 1966 | 1973 | rVB | 1927394 | 2703941 | 35.78% | 3.886% |
| 59 | 14.710 | 1973 | 1976 | 1983 | rVB4 | 24994 | 35276 | 0.47% | 0.051% |
| 60 | 14.887 | 2000 | 2006 | 2021 | rBV | 186965 | 348598 | 4.61% | 0.501% |
| 61 | 15.039 | 2027 | 2032 | 2037 | rVB9 | 7992 | 15300 | 0.20% | 0.022% |
| 62 | 15.098 | 2038 | 2042 | 2048 | rVB8 | 11010 | 15956 | 0.21% | 0.023% |
| 63 | 15.151 | 2048 | 2051 | 2058 | rVB9 | 5701 | 8878 | 0.12% | 0.013% |
| 64 | 15.316 | 2075 | 2079 | 2084 | rBV2 | 11042 | 17157 | 0.23% | 0.025% |
| 65 | 15.392 | 2089 | 2092 | 2097 | rVB | 10165 | 12497 | 0.17% | 0.018% |
| 66 | 15.469 | 2101 | 2105 | 2111 | rVB | 16467 | 22719 | 0.30% | 0.033% |
| 67 | 15.569 | 2117 | 2122 | 2127 | rVB8 | 6118 | 9325 | 0.12% | 0.013% |
| 68 | 15.651 | 2129 | 2136 | 2146 | rVV | 3719931 | 5350644 | 70.80% | 7.690% |
| 69 | 15.792 | 2155 | 2160 | 2173 | rBV | 1020713 | 1421676 | 18.81% | 2.043% |
| 70 | 15.892 | 2173 | 2177 | 2186 | rVB | 18902 | 35097 | 0.46% | 0.050% |
| 71 | 16.034 | 2197 | 2201 | 2205 | rVB | 19965 | 27995 | 0.37% | 0.040% |
| 72 | 16.439 | 2265 | 2270 | 2277 | rVB10 | 5500 | 9349 | 0.12% | 0.013% |
| 73 | 16.986 | 2360 | 2363 | 2368 | rVB4 | 8641 | 13772 | 0.18% | 0.020% |
| 74 | 17.098 | 2378 | 2382 | 2387 | rVB8 | 7262 | 13755 | 0.18% | 0.020% |
| 75 | 17.222 | 2398 | 2403 | 2405 | rBV6 | 5886 | 9603 | 0.13% | 0.014% |
| 76 | 17.245 | 2405 | 2407 | 2413 | rVB7 | 5300 | 8589 | 0.11% | 0.012% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092923\
Data File : BP017441.D
Acq On : 29 Sep 2023 12:14
Operator : MA/JU
Sample : 04472-22
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EZYP5

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-BP092023.MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 77 | 17.351 | 2422 | 2425 | 2429 | rVB4 | 8544 | 11151 | 0.15% | 0.016% |
| 78 | 17.439 | 2433 | 2440 | 2450 | rVV | 2438552 | 3442003 | 45.55% | 4.947% |
| 79 | 17.539 | 2450 | 2457 | 2468 | rVV2 | 4548298 | 6258042 | 82.81% | 8.994% |
| 80 | 17.628 | 2468 | 2472 | 2480 | rVV4 | 31775 | 56603 | 0.75% | 0.081% |
| 81 | 17.692 | 2480 | 2483 | 2487 | rVB | 22417 | 27910 | 0.37% | 0.040% |
| 82 | 18.069 | 2541 | 2547 | 2557 | rBV | 601138 | 703986 | 9.32% | 1.012% |
| 83 | 18.280 | 2579 | 2583 | 2593 | rBV2 | 82738 | 123762 | 1.64% | 0.178% |
| 84 | 18.375 | 2595 | 2599 | 2603 | rVB | 34613 | 44945 | 0.59% | 0.065% |
| 85 | 18.492 | 2617 | 2619 | 2624 | rVB4 | 12513 | 15525 | 0.21% | 0.022% |
| 86 | 19.357 | 2762 | 2766 | 2770 | rBV | 61530 | 85510 | 1.13% | 0.123% |
| 87 | 19.416 | 2771 | 2776 | 2791 | rVV2 | 444674 | 744823 | 9.86% | 1.070% |
| 88 | 19.527 | 2791 | 2795 | 2802 | rVV2 | 66021 | 100996 | 1.34% | 0.145% |
| 89 | 19.792 | 2834 | 2840 | 2846 | rBV | 5931532 | 7486652 | 99.07% | 10.759% |
| 90 | 21.569 | 3137 | 3142 | 3148 | rBV | 2980000 | 3817452 | 50.52% | 5.486% |
| 91 | 23.980 | 3544 | 3552 | 3560 | rVB2 | 3676088 | 7556881 | 100.00% | 10.860% |
| 92 | 24.145 | 3574 | 3580 | 3591 | rVB | 1900588 | 4096600 | 54.21% | 5.887% |

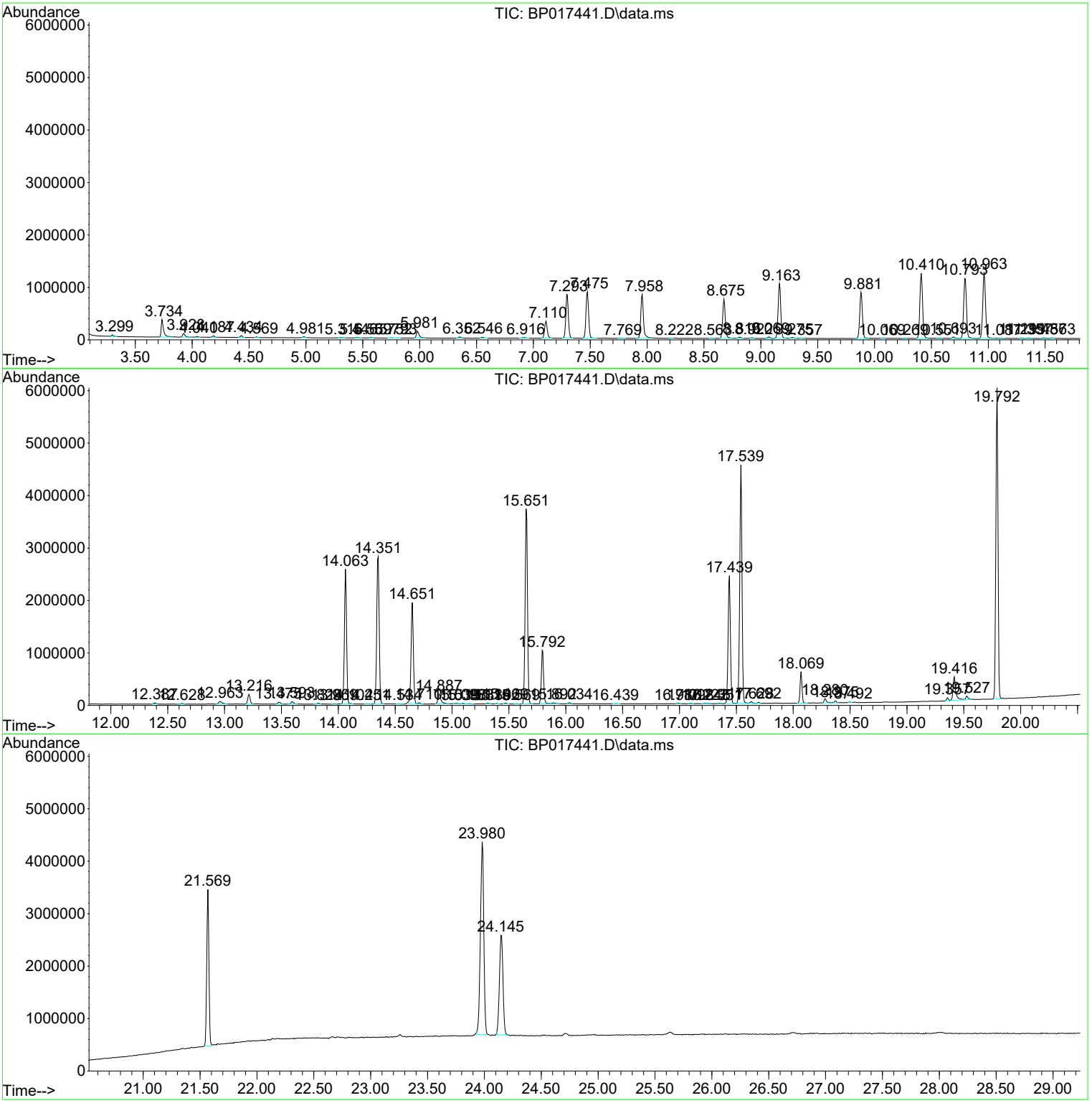
Sum of corrected areas: 69581922

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092923\
Data File : BP017441.D
Acq On : 29 Sep 2023 12:14
Operator : MA/JU
Sample : 04472-22
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EZYP5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092023.MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092923\
Data File : BP017441.D
Acq On : 29 Sep 2023 12:14
Operator : MA/JU
Sample : 04472-22
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EZYP5

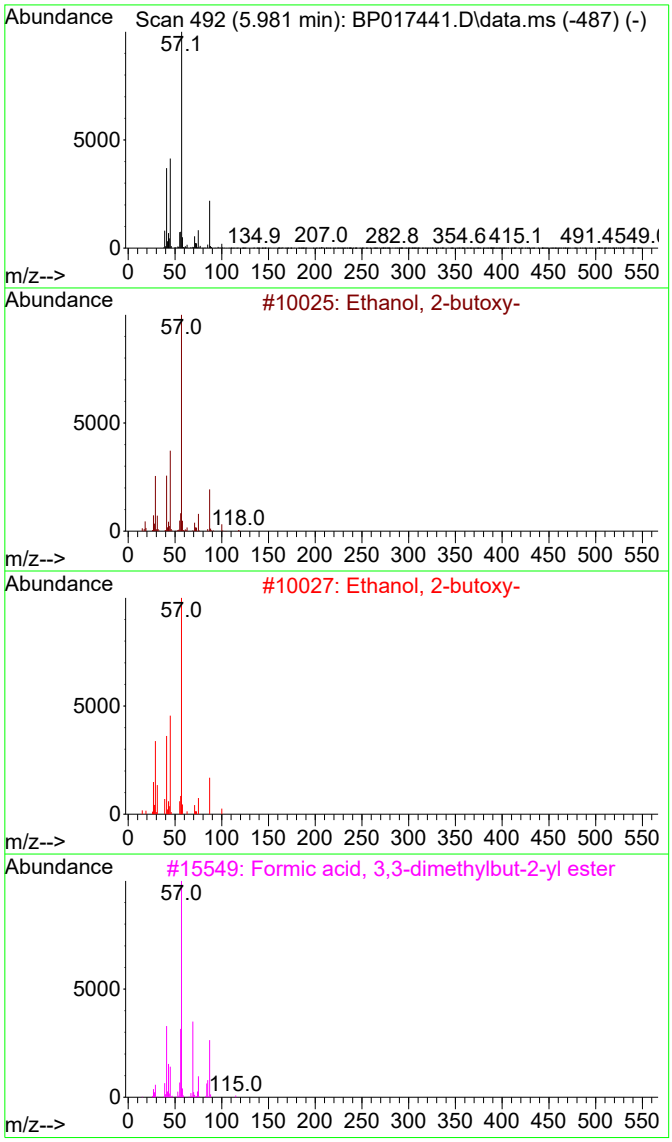
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092023.MA.M
Quant Title : SVOA CALIBRATION

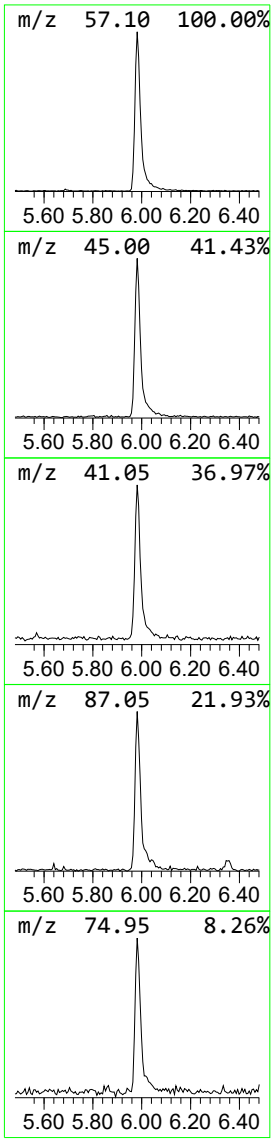
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Ethanol, 2-butoxy- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 5.981 | 3.06 ng/ul | 214250 | 1,4-Dichlorobenzene-d4 | 7.957 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Ethanol, 2-butoxy- | 118 | C6H14O2 | 000111-76-2 | 74 |
| 2 | Ethanol, 2-butoxy- | 118 | C6H14O2 | 000111-76-2 | 72 |
| 3 | Formic acid, 3,3-dimethylbut-2-y... | 130 | C7H14O2 | 1000368-20-5 | 64 |
| 4 | Ethanol, 2-butoxy- | 118 | C6H14O2 | 000111-76-2 | 53 |
| 5 | Ethanol, 2-butoxy- | 118 | C6H14O2 | 000111-76-2 | 45 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092923\
Data File : BP017441.D
Acq On : 29 Sep 2023 12:14
Operator : MA/JU
Sample : 04472-22
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EZYP5

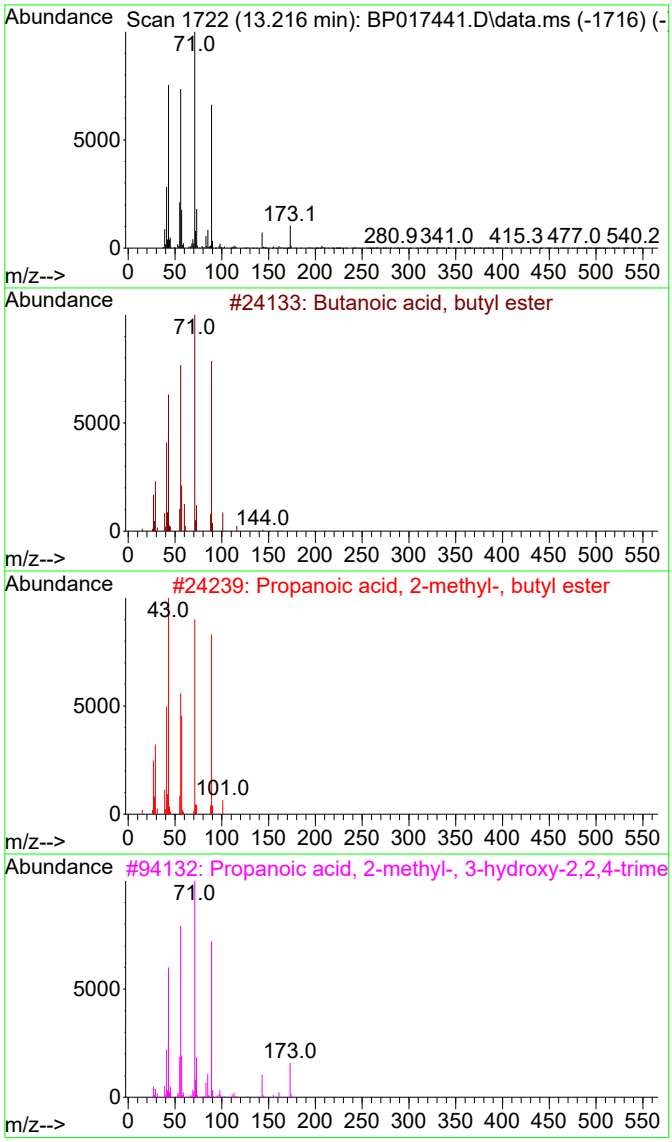
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092023.MA.M
Quant Title : SVOA CALIBRATION

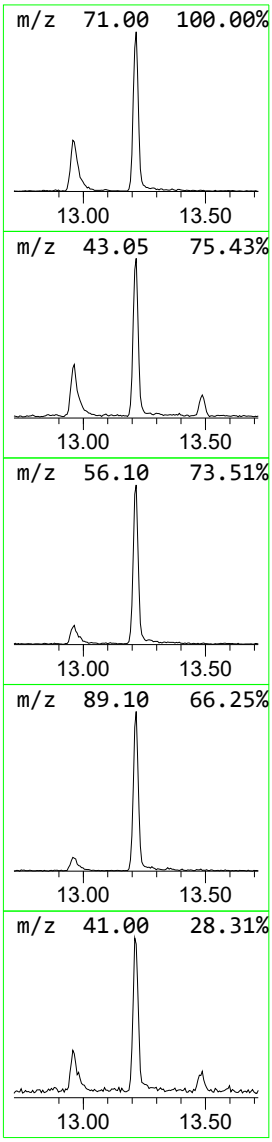
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Butanoic acid, butyl ester Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.216 | 2.08 ng/ul | 281828 | Acenaphthene-d10 | 14.651 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Butanoic acid, butyl ester | 144 | C8H16O2 | 000109-21-7 | 87 |
| 2 | Propanoic acid, 2-methyl-, butyl... | 144 | C8H16O2 | 000097-87-0 | 72 |
| 3 | Propanoic acid, 2-methyl-, 3-hyd... | 216 | C12H24O3 | 000077-68-9 | 64 |
| 4 | Propanoic acid, 2-methyl-, 2-eth... | 216 | C12H24O3 | 074367-31-0 | 64 |
| 5 | Butanoic acid, butyl ester | 144 | C8H16O2 | 000109-21-7 | 59 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092923\
Data File : BP017441.D
Acq On : 29 Sep 2023 12:14
Operator : MA/JU
Sample : 04472-22
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EZYP5

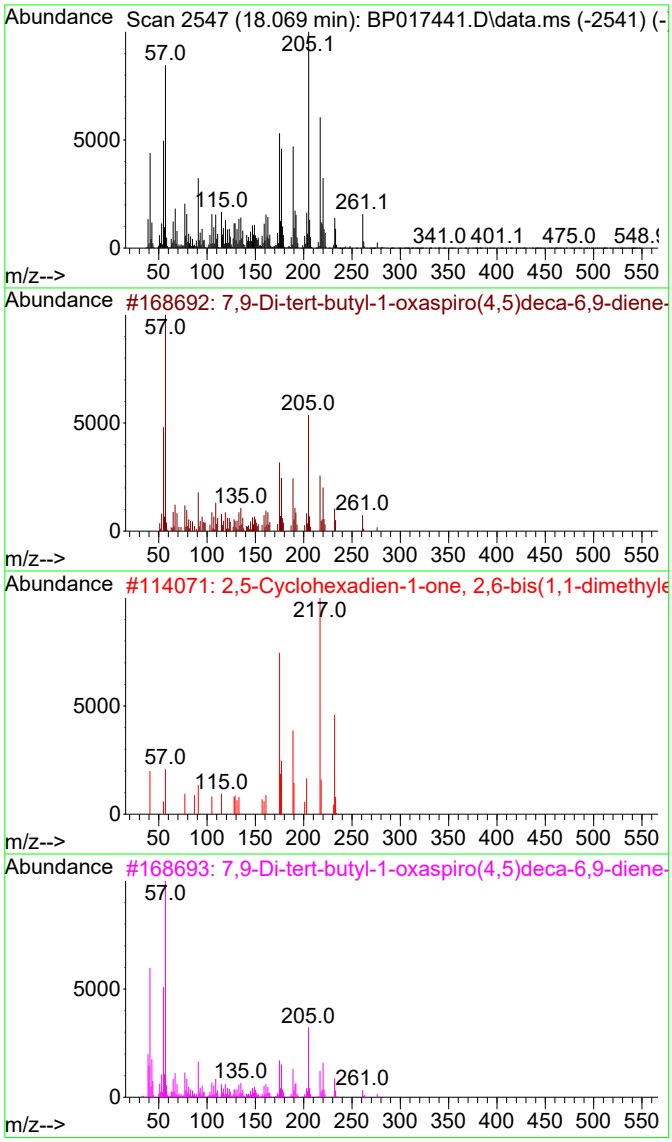
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092023.MA.M
Quant Title : SVOA CALIBRATION

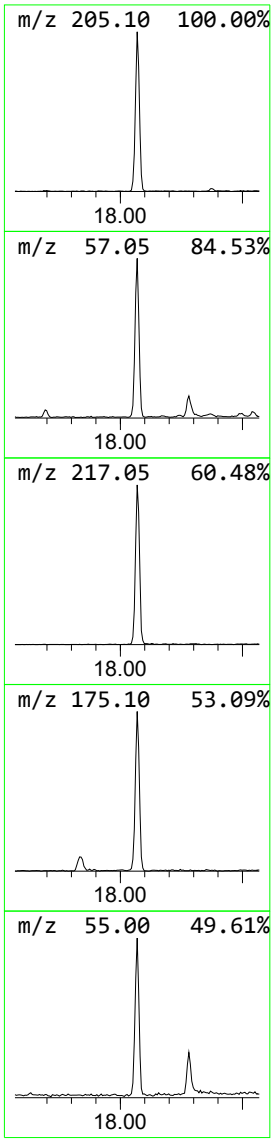
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 7,9-Di-tert-butyl-1-oxaspir... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.069 | 4.09 ng/ul | 703986 | Phenanthrene-d10 | 17.439 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3 | 082304-66-3 | 98 |
| 2 | 2,5-Cyclohexadien-1-one, 2,6-bis... | 232 | C16H24O | 006738-27-8 | 83 |
| 3 | 7,9-Di-tert-butyl-1-oxaspiro(4,5... | 276 | C17H24O3 | 082304-66-3 | 55 |
| 4 | Ethanone, 1-(5,6,7,8-tetrahydro-... | 220 | C14H20O2 | 071596-88-8 | 50 |
| 5 | 1-(3-Amino-4,6-dimethylthieno[2,... | 220 | C11H12N2OS | 052505-42-7 | 45 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092923\
Data File : BP017441.D
Acq On : 29 Sep 2023 12:14
Operator : MA/JU
Sample : 04472-22
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EZYP5

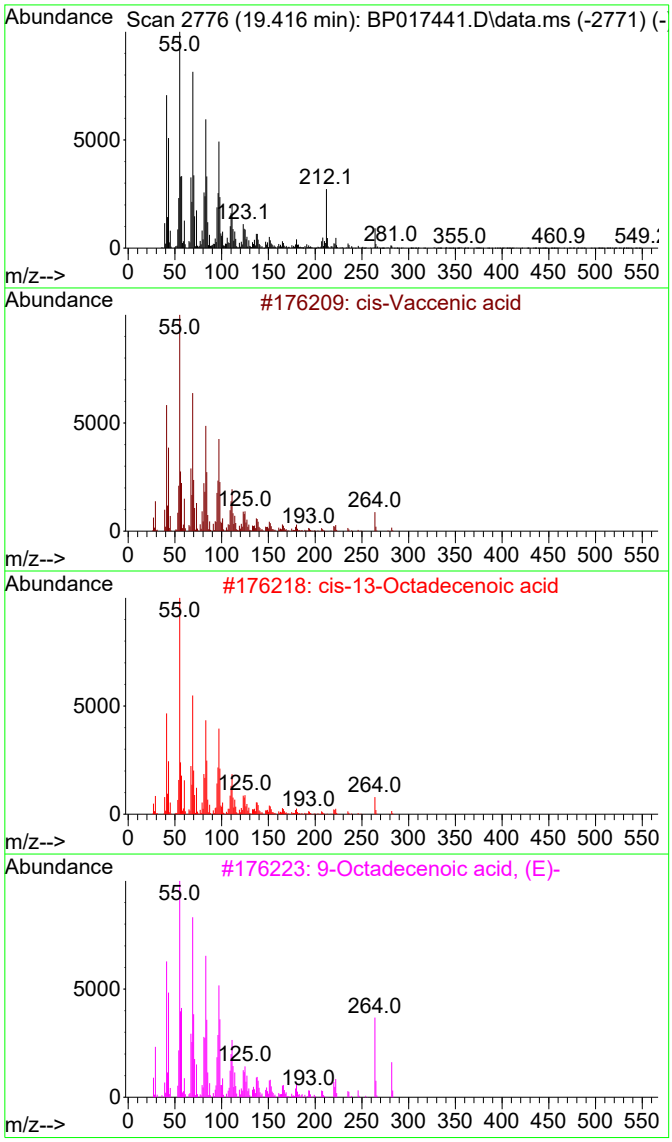
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092023.MA.M
Quant Title : SVOA CALIBRATION

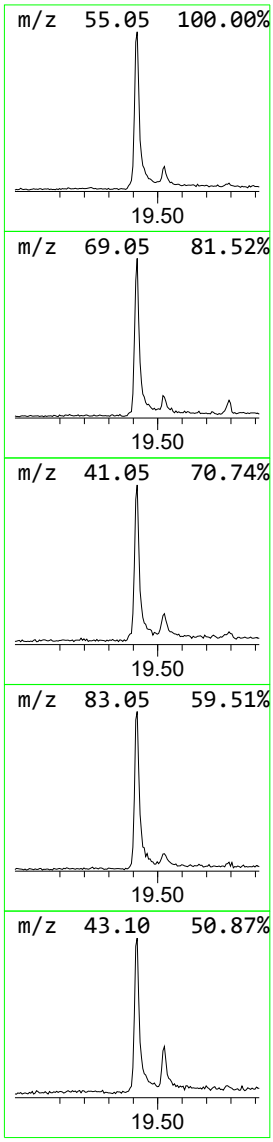
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 cis-Vaccenic acid Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 19.416 | 4.33 ng/ul | 744823 | Phenanthrene-d10 | 17.439 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | cis-Vaccenic acid | 282 | C18H34O2 | 000506-17-2 | 97 |
| 2 | cis-13-Octadecenoic acid | 282 | C18H34O2 | 013126-39-1 | 96 |
| 3 | 9-Octadecenoic acid, (E)- | 282 | C18H34O2 | 000112-79-8 | 95 |
| 4 | cis-9-Octadecenoic acid, propyl ... | 324 | C21H40O2 | 1000405-15-0 | 87 |
| 5 | 6-Octadecenoic acid, (Z)- | 282 | C18H34O2 | 000593-39-5 | 86 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP092923\
Data File : BP017441.D
Acq On : 29 Sep 2023 12:14
Operator : MA/JU
Sample : 04472-22
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
EZYP5

Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP092023.MA.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 |
| Ethanol, 2-butoxy- | 5.981 | 3.1 | ng/ul | 214250 | 1 | 7.957 | 1398270 | 20.0 |
| Butanoic acid, ... | 13.216 | 2.1 | ng/ul | 281828 | 3 | 14.651 | 2703940 | 20.0 |
| 7,9-Di-tert-but... | 18.069 | 4.1 | ng/ul | 703986 | 4 | 17.439 | 3442000 | 20.0 |
| cis-Vaccenic acid | 19.416 | 4.3 | ng/ul | 744823 | 4 | 17.439 | 3442000 | 20.0 |