LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111723\
Data File : BM042912.D
Acq On : 19 Nov 2023 19:13
Operator : MA/JU
Sample : 05369-06
Misc :
ALS Vial : 67 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GCDN3

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\SFAM-EPA-BM111323.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BM042912.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.169 | 28 | 31 | 38 | rVB5 | 10444 | 13243 | 1.13% | 0.114% |
| 2 | 3.616 | 103 | 107 | 119 | rBV | 47867 | 94739 | 8.05% | 0.816% |
| 3 | 3.793 | 136 | 137 | 144 | rVB4 | 6726 | 8551 | 0.73% | 0.074% |
| 4 | 4.069 | 182 | 184 | 186 | rBV2 | 1687 | 1199 | 0.10% | 0.010% |
| 5 | 4.434 | 243 | 246 | 252 | rVB6 | 9833 | 15341 | 1.30% | 0.132% |
| 6 | 4.645 | 280 | 282 | 286 | rVB3 | 2184 | 1397 | 0.12% | 0.012% |
| 7 | 4.804 | 307 | 309 | 312 | rVB3 | 1502 | 1246 | 0.11% | 0.011% |
| 8 | 5.369 | 403 | 405 | 407 | rBV2 | 2111 | 1938 | 0.16% | 0.017% |
| 9 | 5.392 | 407 | 409 | 413 | rVB4 | 1218 | 1473 | 0.13% | 0.013% |
| 10 | 6.057 | 518 | 522 | 526 | rBV5 | 1295 | 2399 | 0.20% | 0.021% |
| 11 | 6.986 | 676 | 680 | 692 | rBV4 | 20007 | 50284 | 4.27% | 0.433% |
| 12 | 7.075 | 692 | 695 | 703 | rVB4 | 3875 | 7604 | 0.65% | 0.065% |
| 13 | 7.157 | 703 | 709 | 720 | rBV | 133043 | 238417 | 20.26% | 2.054% |
| 14 | 7.334 | 733 | 739 | 750 | rBV | 138821 | 249951 | 21.24% | 2.153% |
| 15 | 7.686 | 797 | 799 | 806 | rVB5 | 1857 | 2500 | 0.21% | 0.022% |
| 16 | 7.810 | 814 | 820 | 833 | rBV | 122096 | 217441 | 18.48% | 1.873% |
| 17 | 8.322 | 904 | 907 | 910 | rVB3 | 1076 | 1433 | 0.12% | 0.012% |
| 18 | 8.539 | 938 | 944 | 953 | rBV | 73263 | 153141 | 13.01% | 1.319% |
| 19 | 9.010 | 1018 | 1024 | 1041 | rBV | 163909 | 326241 | 27.72% | 2.810% |
| 20 | 9.186 | 1053 | 1054 | 1061 | rVB5 | 1455 | 2173 | 0.18% | 0.019% |
| 21 | 9.727 | 1139 | 1146 | 1163 | rBV | 136210 | 267947 | 22.77% | 2.308% |
| 22 | 10.251 | 1229 | 1235 | 1252 | rBV | 146671 | 328572 | 27.92% | 2.830% |
| 23 | 10.398 | 1259 | 1260 | 1265 | rVB3 | 2066 | 1400 | 0.12% | 0.012% |
| 24 | 10.622 | 1292 | 1298 | 1312 | rBV | 165578 | 282844 | 24.03% | 2.436% |
| 25 | 10.798 | 1322 | 1328 | 1350 | rBV | 118687 | 325601 | 27.67% | 2.805% |
| 26 | 10.939 | 1350 | 1352 | 1354 | rVB3 | 2440 | 2211 | 0.19% | 0.019% |
| 27 | 11.116 | 1378 | 1382 | 1384 | rBV4 | 1424 | 1776 | 0.15% | 0.015% |
| 28 | 11.157 | 1384 | 1389 | 1391 | rVV4 | 5325 | 8294 | 0.70% | 0.071% |
| 29 | 11.180 | 1391 | 1393 | 1398 | rVV6 | 5383 | 7923 | 0.67% | 0.068% |
| 30 | 11.227 | 1398 | 1401 | 1405 | rVB5 | 2296 | 3230 | 0.27% | 0.028% |
| 31 | 11.433 | 1426 | 1436 | 1445 | rBV5 | 10826 | 35222 | 2.99% | 0.303% |
| 32 | 11.504 | 1445 | 1448 | 1451 | rVV3 | 3477 | 5219 | 0.44% | 0.045% |
| 33 | 11.545 | 1451 | 1455 | 1465 | rVB7 | 5024 | 11171 | 0.95% | 0.096% |
| 34 | 11.798 | 1496 | 1498 | 1501 | rBV4 | 1334 | 1704 | 0.14% | 0.015% |
| 35 | 12.245 | 1572 | 1574 | 1581 | rVB3 | 1240 | 2590 | 0.22% | 0.022% |
| 36 | 13.310 | 1750 | 1755 | 1761 | rBV2 | 10324 | 17577 | 1.49% | 0.151% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111723\
Data File : BM042912.D
Acq On : 19 Nov 2023 19:13
Operator : MA/JU
Sample : 05369-06
Misc :
ALS Vial : 67 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GCDN3

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\SFAM-EPA-BM111323.MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.698 | 1811 | 1821 | 1828 | rBV | 529416 | 1110520 | 94.36% | 9.566% |
| 38 | 13.780 | 1828 | 1835 | 1848 | rVV2 | 69563 | 256692 | 21.81% | 2.211% |
| 39 | 13.892 | 1848 | 1854 | 1866 | rVB | 396975 | 569254 | 48.37% | 4.903% |
| 40 | 14.168 | 1894 | 1901 | 1916 | rBV2 | 438382 | 630420 | 53.57% | 5.430% |
| 41 | 14.468 | 1946 | 1952 | 1963 | rBV | 239335 | 353013 | 30.00% | 3.041% |
| 42 | 14.798 | 2001 | 2008 | 2010 | rBV4 | 2025 | 3356 | 0.29% | 0.029% |
| 43 | 14.845 | 2015 | 2016 | 2020 | rVB2 | 1158 | 1237 | 0.11% | 0.011% |
| 44 | 15.015 | 2042 | 2045 | 2050 | rBV4 | 1196 | 2353 | 0.20% | 0.020% |
| 45 | 15.257 | 2079 | 2086 | 2087 | rBV4 | 797 | 1340 | 0.11% | 0.012% |
| 46 | 15.462 | 2115 | 2121 | 2131 | rBV | 515475 | 760334 | 64.60% | 6.549% |
| 47 | 15.615 | 2141 | 2147 | 2160 | rBV | 133011 | 228795 | 19.44% | 1.971% |
| 48 | 15.704 | 2160 | 2162 | 2167 | rVB4 | 3597 | 5174 | 0.44% | 0.045% |
| 49 | 16.180 | 2238 | 2243 | 2246 | rBV3 | 2162 | 2291 | 0.19% | 0.020% |
| 50 | 16.492 | 2291 | 2296 | 2300 | rVB5 | 2013 | 3141 | 0.27% | 0.027% |
| 51 | 16.533 | 2300 | 2303 | 2304 | rBV3 | 1379 | 1755 | 0.15% | 0.015% |
| 52 | 16.592 | 2307 | 2313 | 2319 | rVB6 | 2859 | 5843 | 0.50% | 0.050% |
| 53 | 17.145 | 2403 | 2407 | 2410 | rBV3 | 1175 | 1376 | 0.12% | 0.012% |
| 54 | 17.221 | 2414 | 2420 | 2431 | rBV | 278951 | 404866 | 34.40% | 3.487% |
| 55 | 17.321 | 2431 | 2437 | 2454 | rVV | 561124 | 842839 | 71.62% | 7.260% |
| 56 | 17.668 | 2493 | 2496 | 2502 | rVB3 | 1436 | 2077 | 0.18% | 0.018% |
| 57 | 17.721 | 2502 | 2505 | 2507 | rBV4 | 1316 | 1345 | 0.11% | 0.012% |
| 58 | 17.750 | 2507 | 2510 | 2513 | rVB3 | 1173 | 1228 | 0.10% | 0.011% |
| 59 | 17.845 | 2523 | 2526 | 2532 | rBV4 | 2022 | 3709 | 0.32% | 0.032% |
| 60 | 18.015 | 2553 | 2555 | 2558 | rBV4 | 887 | 1181 | 0.10% | 0.010% |
| 61 | 18.080 | 2562 | 2566 | 2574 | rVV6 | 7846 | 13680 | 1.16% | 0.118% |
| 62 | 18.145 | 2574 | 2577 | 2578 | rVV3 | 1460 | 1431 | 0.12% | 0.012% |
| 63 | 18.174 | 2580 | 2582 | 2585 | rVB3 | 1534 | 1597 | 0.14% | 0.014% |
| 64 | 18.303 | 2598 | 2604 | 2619 | rBV | 243007 | 387414 | 32.92% | 3.337% |
| 65 | 18.539 | 2642 | 2644 | 2647 | rVB2 | 1935 | 1918 | 0.16% | 0.017% |
| 66 | 19.003 | 2719 | 2723 | 2724 | rBV3 | 1349 | 1766 | 0.15% | 0.015% |
| 67 | 19.180 | 2749 | 2753 | 2757 | rBV3 | 6958 | 8948 | 0.76% | 0.077% |
| 68 | 19.256 | 2763 | 2766 | 2771 | rVB4 | 4864 | 6188 | 0.53% | 0.053% |
| 69 | 19.362 | 2778 | 2784 | 2788 | rBV6 | 4397 | 9527 | 0.81% | 0.082% |
| 70 | 19.492 | 2804 | 2806 | 2811 | rBV5 | 1532 | 1817 | 0.15% | 0.016% |
| 71 | 19.621 | 2822 | 2828 | 2840 | rBV | 815602 | 1097660 | 93.27% | 9.455% |
| 72 | 20.350 | 2950 | 2952 | 2953 | rBV2 | 2367 | 1735 | 0.15% | 0.015% |
| 73 | 21.409 | 3127 | 3132 | 3144 | rBV | 306594 | 469187 | 39.87% | 4.041% |
| 74 | 23.609 | 3499 | 3506 | 3521 | rBV | 587435 | 1176901 | 100.00% | 10.138% |
| 75 | 23.768 | 3526 | 3533 | 3544 | rVB | 257255 | 541451 | 46.01% | 4.664% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111723\
Data File : BM042912.D
Acq On : 19 Nov 2023 19:13
Operator : MA/JU
Sample : 05369-06
Misc :
ALS Vial : 67 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GCDN3

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\SFAM-EPA-BM111323.MA.M
Title : SVOA CALIBRATION

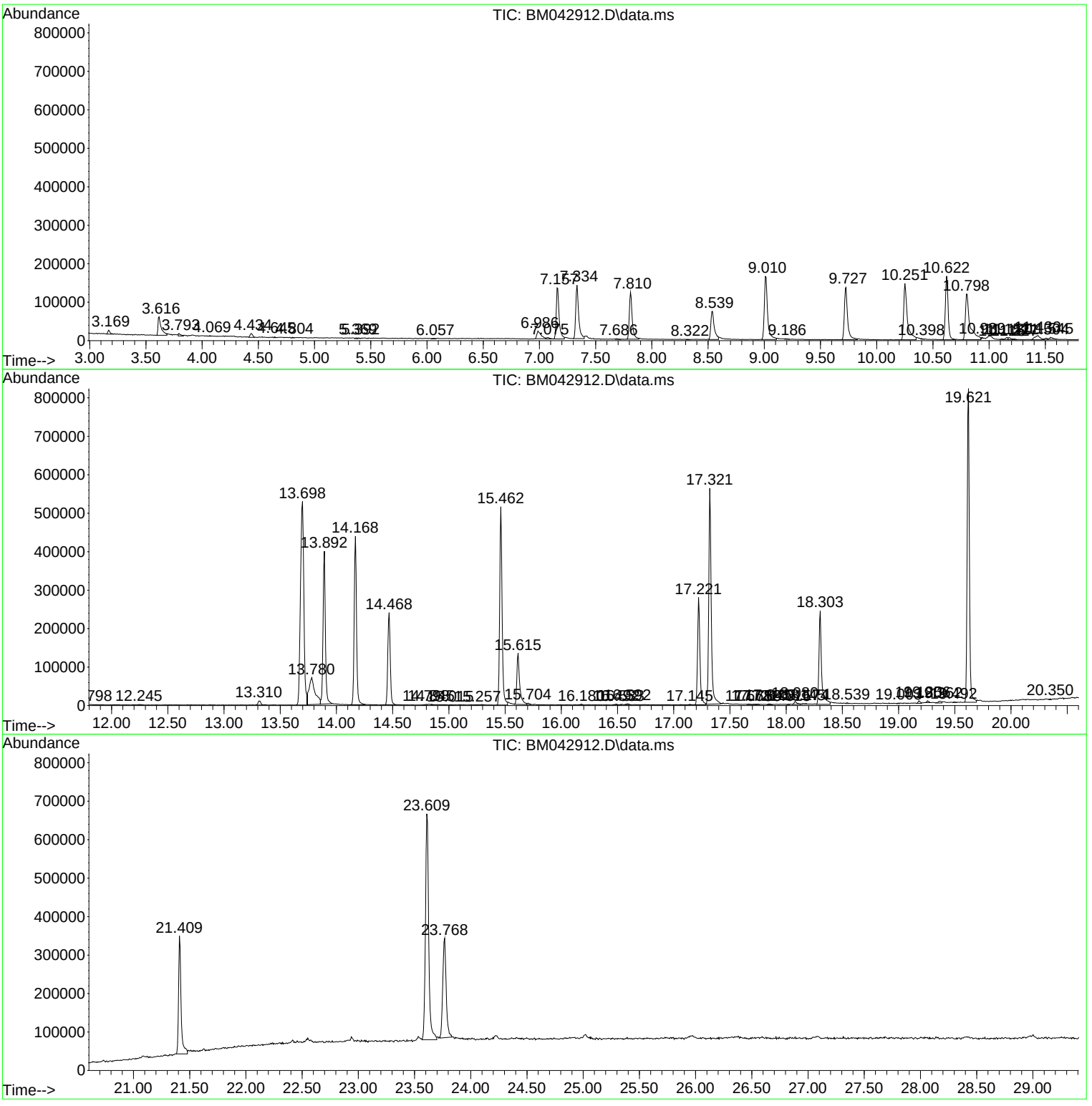
Sum of corrected areas: 11609351

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111723\
Data File : BM042912.D
Acq On : 19 Nov 2023 19:13
Operator : MA/JU
Sample : 05369-06
Misc :
ALS Vial : 67 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GCDN3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM111323.MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111723\
Data File : BM042912.D
Acq On : 19 Nov 2023 19:13
Operator : MA/JU
Sample : 05369-06
Misc :
ALS Vial : 67 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GCDN3

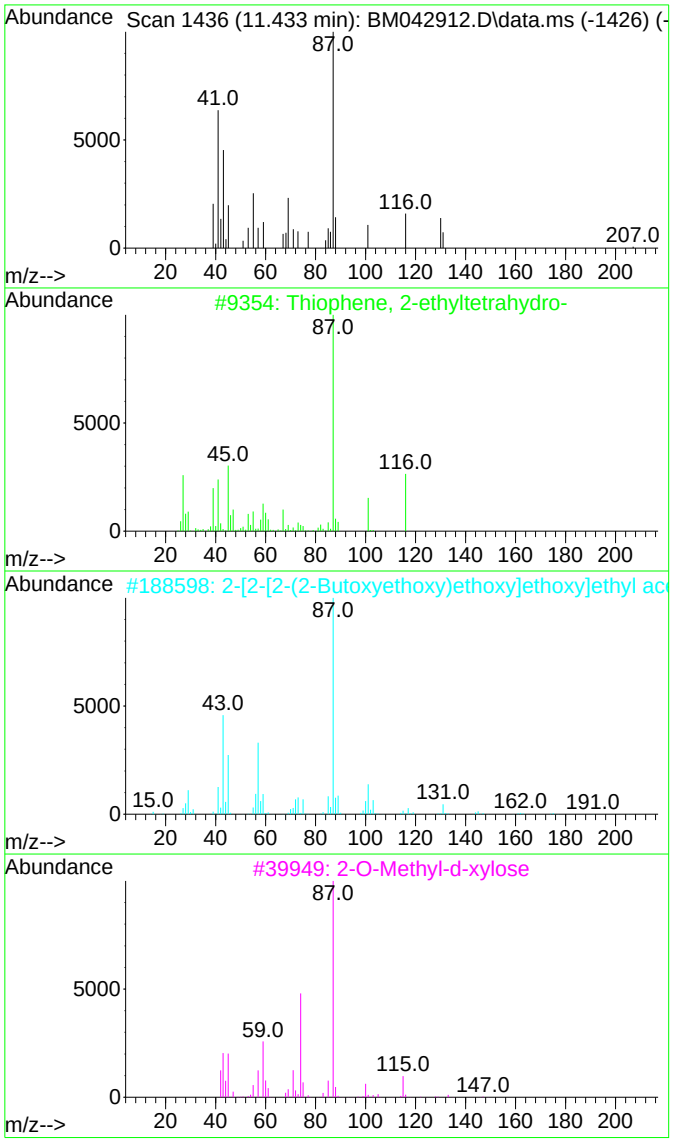
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM111323.MA.M
Quant Title : SVOA CALIBRATION

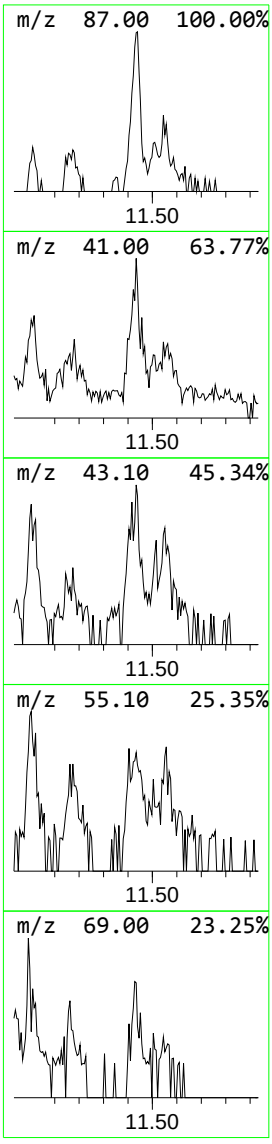
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Thiophene, 2-ethyltetrahydro- Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 11.433 | 2.49 ng/ul | 35222 | Naphthalene-d8 | 10.621 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Thiophene, 2-ethyltetrahydro- | 116 | C6H12S | 001551-32-2 | 64 |
| 2 | 2-[2-[2-(2-Butoxyethoxy)ethoxy]e... | 292 | C14H28O6 | 1000351-93-9 | 64 |
| 3 | 2-O-Methyl-d-xylose | 164 | C6H12O5 | 1000130-01-3 | 59 |
| 4 | Thiophane, propyl- | 130 | C7H14S | 001551-34-4 | 58 |
| 5 | Trimethylsilyl 23-acetoxy-3,6,9,... | 498 | C21H42O11Si | 1000366-84-4 | 56 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111723\
Data File : BM042912.D
Acq On : 19 Nov 2023 19:13
Operator : MA/JU
Sample : 05369-06
Misc :
ALS Vial : 67 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GCDN3

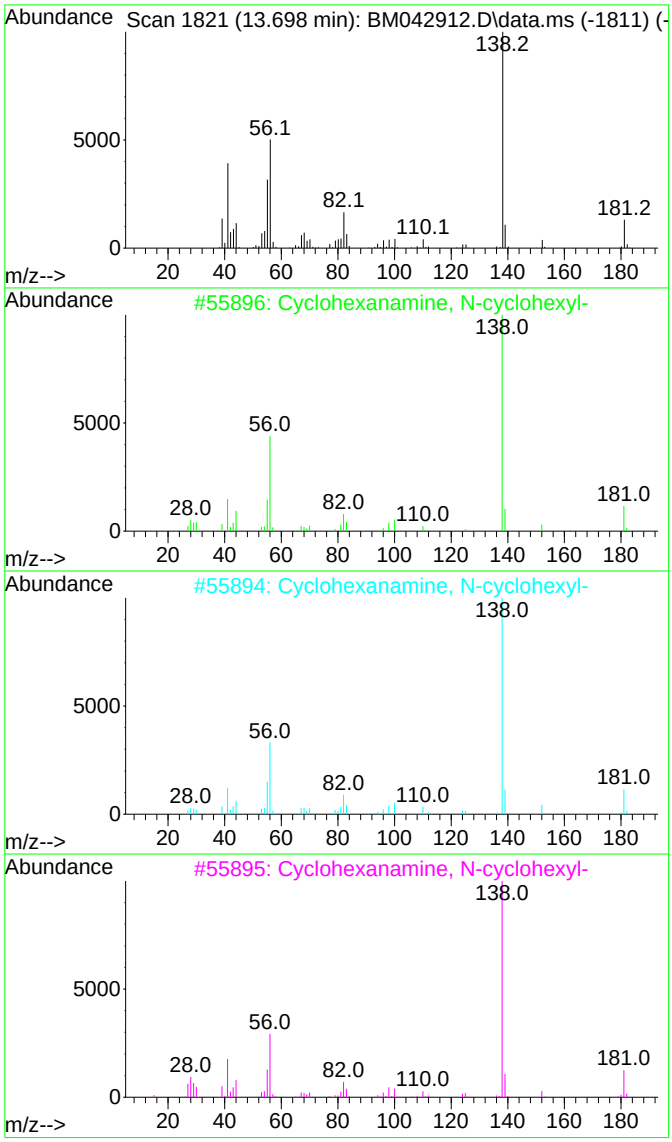
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM111323.MA.M
Quant Title : SVOA CALIBRATION

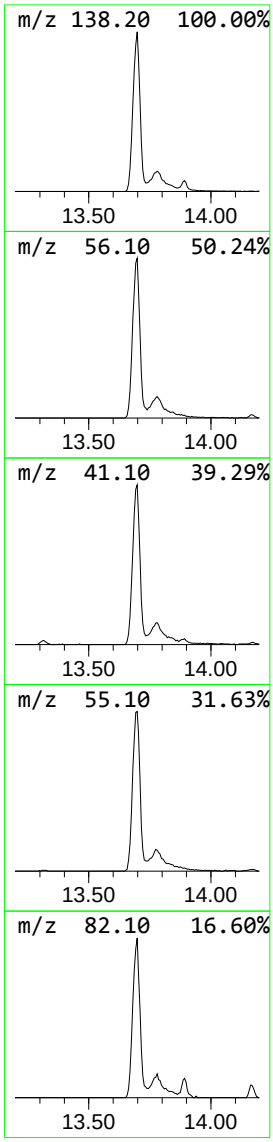
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Cyclohexanamine, N-cyclohexyl- Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.698 | 62.92 ng/ul | 1110520 | Acenaphthene-d10 | 14.468 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexanamine, N-cyclohexyl- | 181 | C12H23N | 000101-83-7 | 94 |
| 2 | Cyclohexanamine, N-cyclohexyl- | 181 | C12H23N | 000101-83-7 | 93 |
| 3 | Cyclohexanamine, N-cyclohexyl- | 181 | C12H23N | 000101-83-7 | 93 |
| 4 | (Bicyclohexyl)-2-amine | 181 | C12H23N | 006283-14-3 | 91 |
| 5 | Cyclohexanamine, N-cyclohexyl- | 181 | C12H23N | 000101-83-7 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111723\
Data File : BM042912.D
Acq On : 19 Nov 2023 19:13
Operator : MA/JU
Sample : 05369-06
Misc :
ALS Vial : 67 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GCDN3

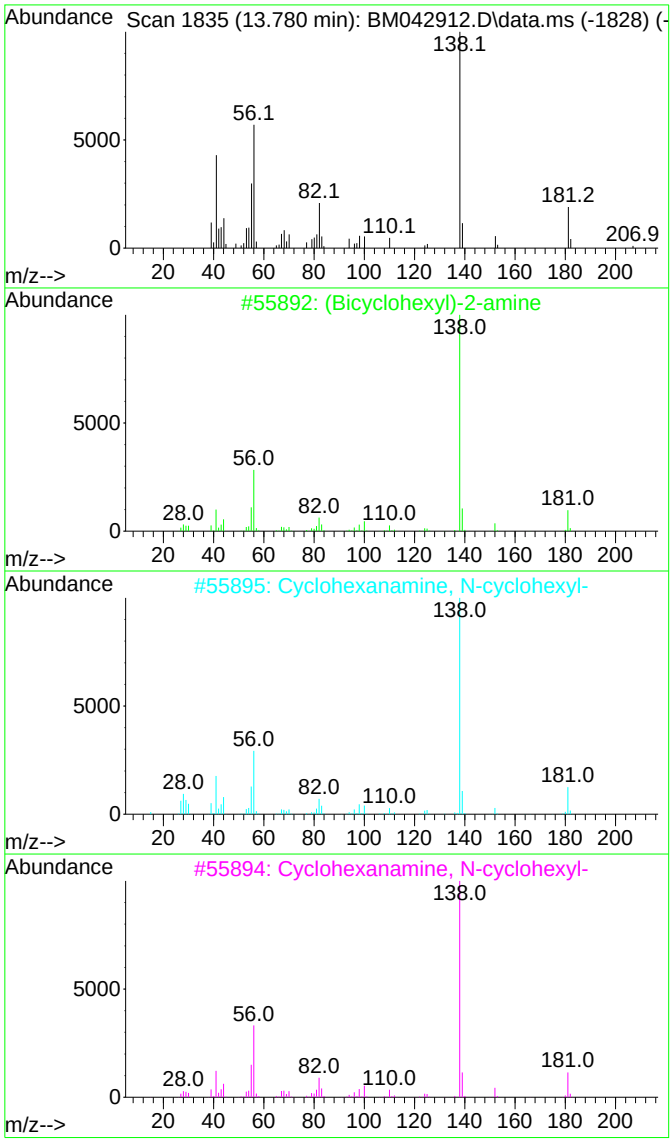
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM111323.MA.M
Quant Title : SVOA CALIBRATION

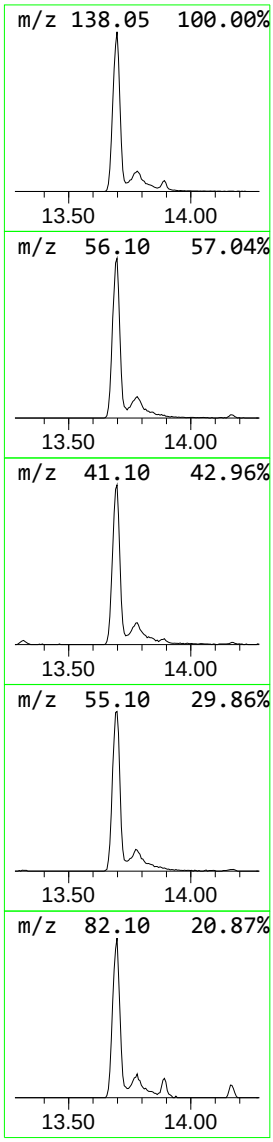
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 (Bicyclohexyl)-2-amine Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.780 | 14.54 ng/ul | 256692 | Acenaphthene-d10 | 14.468 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | (Bicyclohexyl)-2-amine | 181 | C12H23N | 006283-14-3 | 93 |
| 2 | Cyclohexanamine, N-cyclohexyl- | 181 | C12H23N | 000101-83-7 | 90 |
| 3 | Cyclohexanamine, N-cyclohexyl- | 181 | C12H23N | 000101-83-7 | 90 |
| 4 | Cyclohexanamine, N-cyclohexyl- | 181 | C12H23N | 000101-83-7 | 90 |
| 5 | Cyclohexanamine, N-cyclohexyl- | 181 | C12H23N | 000101-83-7 | 90 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111723\
Data File : BM042912.D
Acq On : 19 Nov 2023 19:13
Operator : MA/JU
Sample : 05369-06
Misc :
ALS Vial : 67 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GCDN3

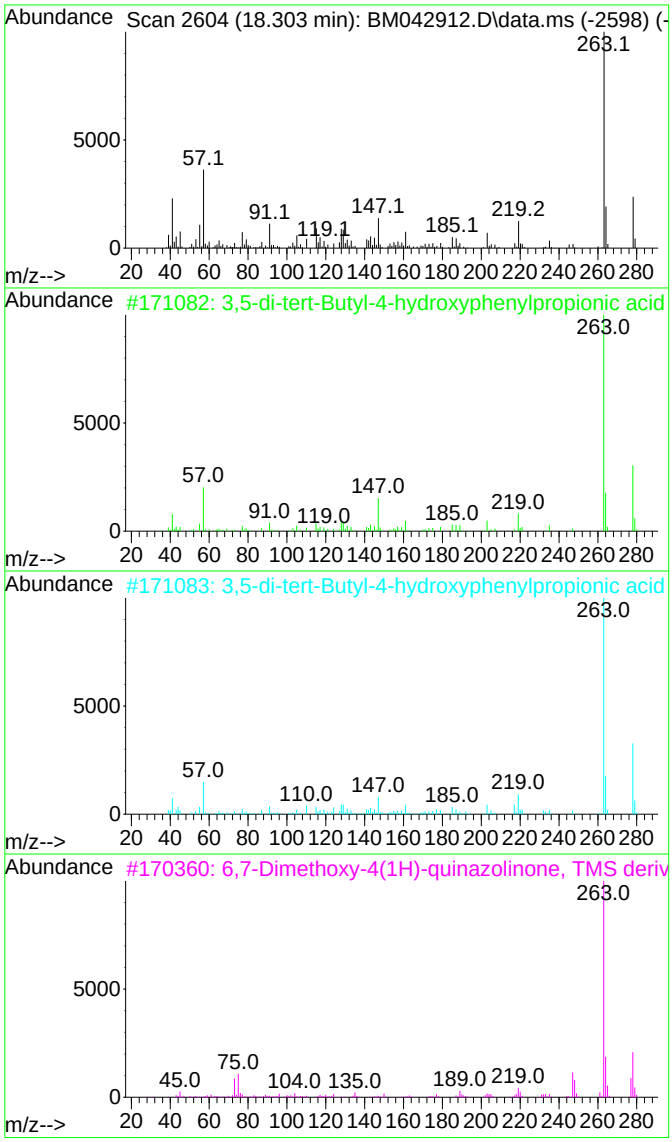
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM111323.MA.M
Quant Title : SVOA CALIBRATION

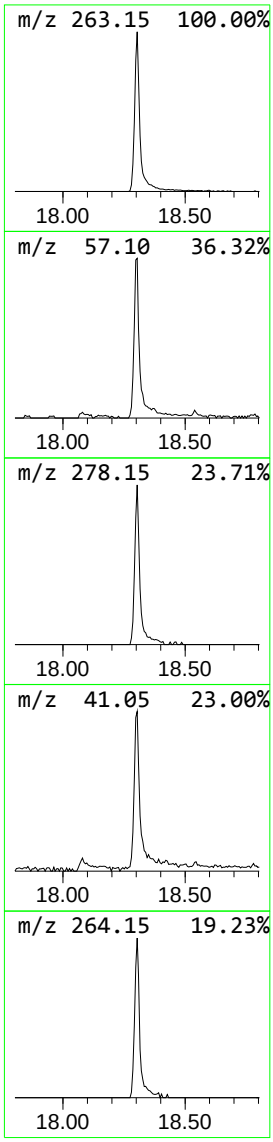
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 3,5-di-tert-Butyl-4-hydroxy... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 18.303 | 19.14 ng/ul | 387414 | Phenanthrene-d10 | 17.221 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3,5-di-tert-Butyl-4-hydroxypheny... | 278 | C17H26O3 | 020170-32-5 | 98 |
| 2 | 3,5-di-tert-Butyl-4-hydroxypheny... | 278 | C17H26O3 | 020170-32-5 | 91 |
| 3 | 6,7-Dimethoxy-4(1H)-quinazolinon... | 278 | C13H18N2O3Si | 1000479-65-5 | 80 |
| 4 | Cyanic acid, (1-methylethylidene... | 278 | C17H14N2O2 | 001156-51-0 | 74 |
| 5 | 5-(2,3-Difluorophenyl)-2-pyridin... | 278 | C14H16F2N2Si | 1000504-49-4 | 74 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111723\
Data File : BM042912.D
Acq On : 19 Nov 2023 19:13
Operator : MA/JU
Sample : 05369-06
Misc :
ALS Vial : 67 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
GCDN3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM111323.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 |
| Thiophene, 2-et... | 11.433 | 2.5 | ng/ul | 35222 | 2 | 10.621 | 282844 | 20.0 |
| Cyclohexanamine... | 13.698 | 62.9 | ng/ul | 1110520 | 3 | 14.468 | 353013 | 20.0 |
| (Bicyclohexyl)-... | 13.780 | 14.5 | ng/ul | 256692 | 3 | 14.468 | 353013 | 20.0 |
| 3,5-di-tert-But... | 18.303 | 19.1 | ng/ul | 387414 | 4 | 17.221 | 404866 | 20.0 |