LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JDGB8

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_G\Methods\SFAM-EPA-BG102721.M
Title : SVOA CALIBRATION

Signal : TIC: BG050771.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 3.607 | 16 | 20 | 25 | rVB4 | 3107 | 5140 | 0.57% | 0.055% |
| 2 | 4.036 | 89 | 93 | 103 | rBV2 | 7406 | 14082 | 1.57% | 0.149% |
| 3 | 4.265 | 125 | 132 | 139 | rVB2 | 10068 | 18126 | 2.02% | 0.192% |
| 4 | 4.477 | 163 | 168 | 175 | rBV5 | 3072 | 5987 | 0.67% | 0.064% |
| 5 | 4.741 | 208 | 213 | 219 | rBV5 | 3057 | 5211 | 0.58% | 0.055% |
| 6 | 5.288 | 303 | 306 | 313 | rBV2 | 5453 | 9149 | 1.02% | 0.097% |
| 7 | 6.909 | 577 | 582 | 586 | rVB3 | 7219 | 10755 | 1.20% | 0.114% |
| 8 | 7.385 | 655 | 663 | 672 | rBV | 100803 | 182623 | 20.32% | 1.938% |
| 9 | 7.556 | 685 | 692 | 702 | rBV | 86654 | 145550 | 16.19% | 1.545% |
| 10 | 7.679 | 705 | 713 | 720 | rBV3 | 9915 | 20367 | 2.27% | 0.216% |
| 11 | 7.767 | 720 | 728 | 736 | rBV | 99256 | 176592 | 19.65% | 1.874% |
| 12 | 8.132 | 783 | 790 | 796 | rBV | 41303 | 70380 | 7.83% | 0.747% |
| 13 | 8.243 | 796 | 809 | 819 | rVV | 154872 | 275698 | 30.67% | 2.926% |
| 14 | 8.455 | 840 | 845 | 852 | rVB4 | 9067 | 14860 | 1.65% | 0.158% |
| 15 | 8.766 | 893 | 898 | 904 | rBV4 | 2617 | 5119 | 0.57% | 0.054% |
| 16 | 8.942 | 918 | 928 | 936 | rBV2 | 61409 | 113564 | 12.63% | 1.205% |
| 17 | 9.072 | 946 | 950 | 955 | rBV3 | 3539 | 6220 | 0.69% | 0.066% |
| 18 | 9.412 | 999 | 1008 | 1018 | rBV | 109333 | 198424 | 22.08% | 2.106% |
| 19 | 10.141 | 1123 | 1132 | 1141 | rBV | 90158 | 171048 | 19.03% | 1.815% |
| 20 | 10.681 | 1217 | 1224 | 1234 | rBV | 115330 | 211939 | 23.58% | 2.249% |
| 21 | 10.817 | 1242 | 1247 | 1253 | rBV2 | 17623 | 34206 | 3.81% | 0.363% |
| 22 | 11.069 | 1283 | 1290 | 1297 | rVB | 222504 | 408423 | 45.44% | 4.334% |
| 23 | 11.199 | 1305 | 1312 | 1319 | rBV2 | 43704 | 85515 | 9.51% | 0.908% |
| 24 | 11.481 | 1354 | 1360 | 1365 | rBV8 | 3596 | 7695 | 0.86% | 0.082% |
| 25 | 11.545 | 1365 | 1371 | 1375 | rVB6 | 3878 | 7581 | 0.84% | 0.080% |
| 26 | 11.633 | 1375 | 1386 | 1390 | rBV6 | 6003 | 18308 | 2.04% | 0.194% |
| 27 | 11.757 | 1401 | 1407 | 1414 | rBV10 | 5363 | 11201 | 1.25% | 0.119% |
| 28 | 11.821 | 1415 | 1418 | 1423 | rBV6 | 3984 | 7936 | 0.88% | 0.084% |
| 29 | 11.956 | 1436 | 1441 | 1442 | rBV5 | 5985 | 7449 | 0.83% | 0.079% |
| 30 | 12.050 | 1453 | 1457 | 1461 | rBV2 | 11152 | 16094 | 1.79% | 0.171% |
| 31 | 12.097 | 1461 | 1465 | 1469 | rBV7 | 10469 | 15589 | 1.73% | 0.165% |
| 32 | 12.250 | 1487 | 1491 | 1495 | rBV7 | 7589 | 11278 | 1.25% | 0.120% |
| 33 | 12.785 | 1574 | 1582 | 1586 | rBV9 | 19574 | 47033 | 5.23% | 0.499% |
| 34 | 12.850 | 1589 | 1593 | 1598 | rVV7 | 12956 | 27646 | 3.08% | 0.293% |
| 35 | 12.955 | 1607 | 1611 | 1616 | rVB2 | 31564 | 44634 | 4.97% | 0.474% |
| 36 | 13.226 | 1650 | 1657 | 1659 | rBV5 | 37761 | 85176 | 9.48% | 0.904% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JDGB8

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_G\Methods\SFAM-EPA-BG102721.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 13.255 | 1660 | 1662 | 1667 | rVB3 | 35101 | 47161 | 5.25% | 0.501% |
| 38 | 13.384 | 1677 | 1684 | 1688 | rBV3 | 70766 | 141906 | 15.79% | 1.506% |
| 39 | 13.649 | 1725 | 1729 | 1737 | rBV6 | 66709 | 154385 | 17.18% | 1.638% |
| 40 | 13.807 | 1753 | 1756 | 1761 | rVB3 | 57276 | 81423 | 9.06% | 0.864% |
| 41 | 14.060 | 1796 | 1799 | 1806 | rBV7 | 38477 | 74898 | 8.33% | 0.795% |
| 42 | 14.142 | 1809 | 1813 | 1817 | rBV5 | 57059 | 96143 | 10.70% | 1.020% |
| 43 | 14.260 | 1824 | 1833 | 1836 | rBV | 189418 | 440639 | 49.02% | 4.676% |
| 44 | 14.318 | 1841 | 1843 | 1847 | rVB | 122694 | 136950 | 15.24% | 1.453% |
| 45 | 14.506 | 1872 | 1875 | 1881 | rVB5 | 98520 | 144817 | 16.11% | 1.537% |
| 46 | 14.565 | 1881 | 1885 | 1889 | rBV | 232582 | 392696 | 43.69% | 4.168% |
| 47 | 14.694 | 1902 | 1907 | 1913 | rVB3 | 259389 | 464640 | 51.69% | 4.931% |
| 48 | 14.771 | 1916 | 1920 | 1923 | rVV5 | 79992 | 115064 | 12.80% | 1.221% |
| 49 | 14.835 | 1927 | 1931 | 1934 | rVV3 | 245381 | 460074 | 51.19% | 4.883% |
| 50 | 14.871 | 1934 | 1937 | 1943 | rVB | 307226 | 493612 | 54.92% | 5.239% |
| 51 | 15.482 | 2037 | 2041 | 2043 | rBV3 | 127616 | 194851 | 21.68% | 2.068% |
| 52 | 15.511 | 2044 | 2046 | 2052 | rVB5 | 157245 | 231727 | 25.78% | 2.459% |
| 53 | 15.652 | 2066 | 2070 | 2077 | rVB2 | 274263 | 420168 | 46.75% | 4.459% |
| 54 | 15.864 | 2102 | 2106 | 2115 | rBV2 | 255259 | 493884 | 54.95% | 5.241% |
| 55 | 16.569 | 2222 | 2226 | 2231 | rVB | 648175 | 898831 | 100.00% | 9.539% |
| 56 | 17.391 | 2362 | 2366 | 2370 | rBV | 342102 | 477996 | 53.18% | 5.073% |
| 57 | 17.620 | 2401 | 2405 | 2410 | rVB | 383912 | 595640 | 66.27% | 6.321% |
| 58 | 17.720 | 2419 | 2422 | 2427 | rVB | 266139 | 368645 | 41.01% | 3.912% |

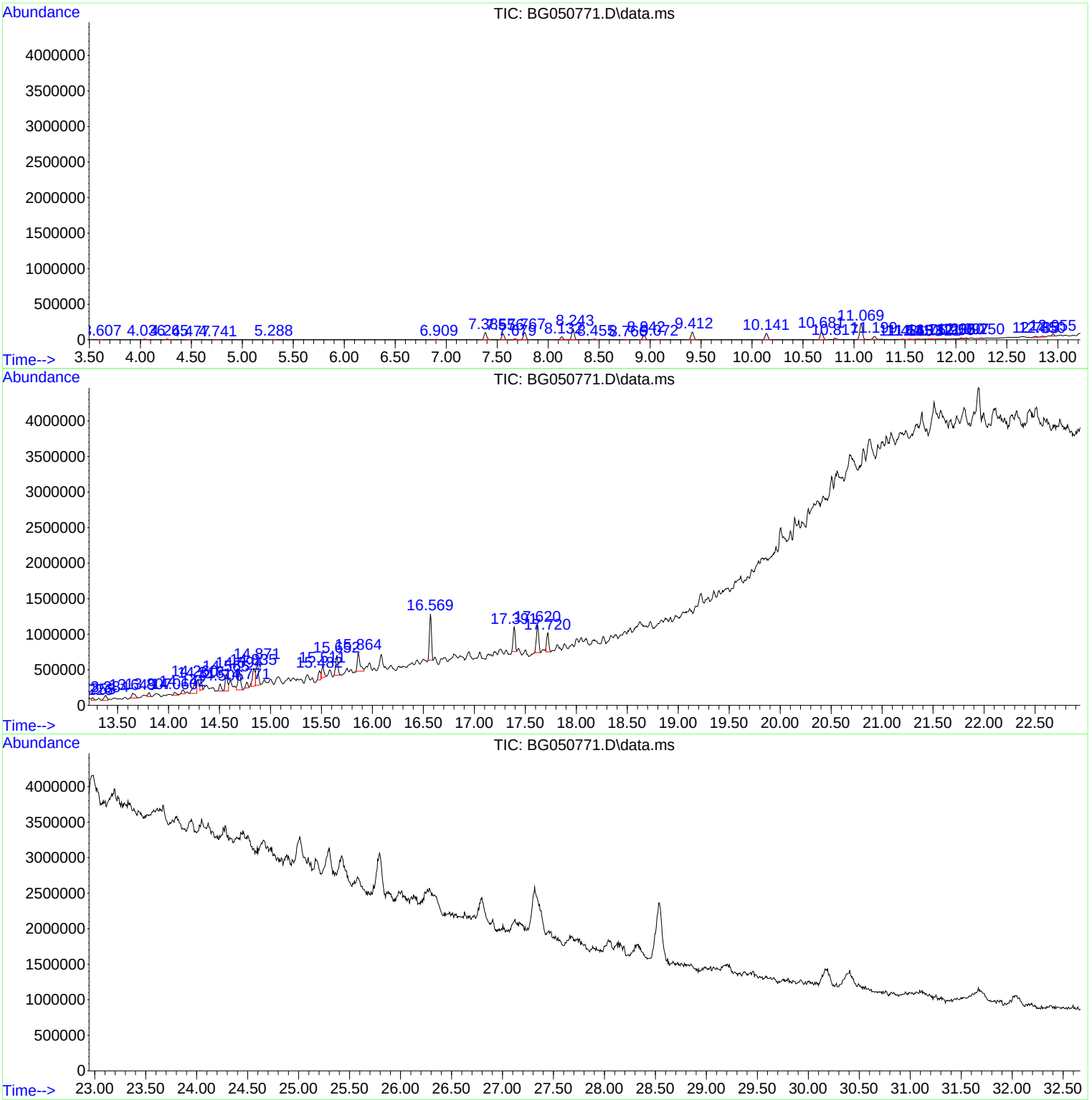
Sum of corrected areas: 9422748

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JDGB8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JDGB8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION

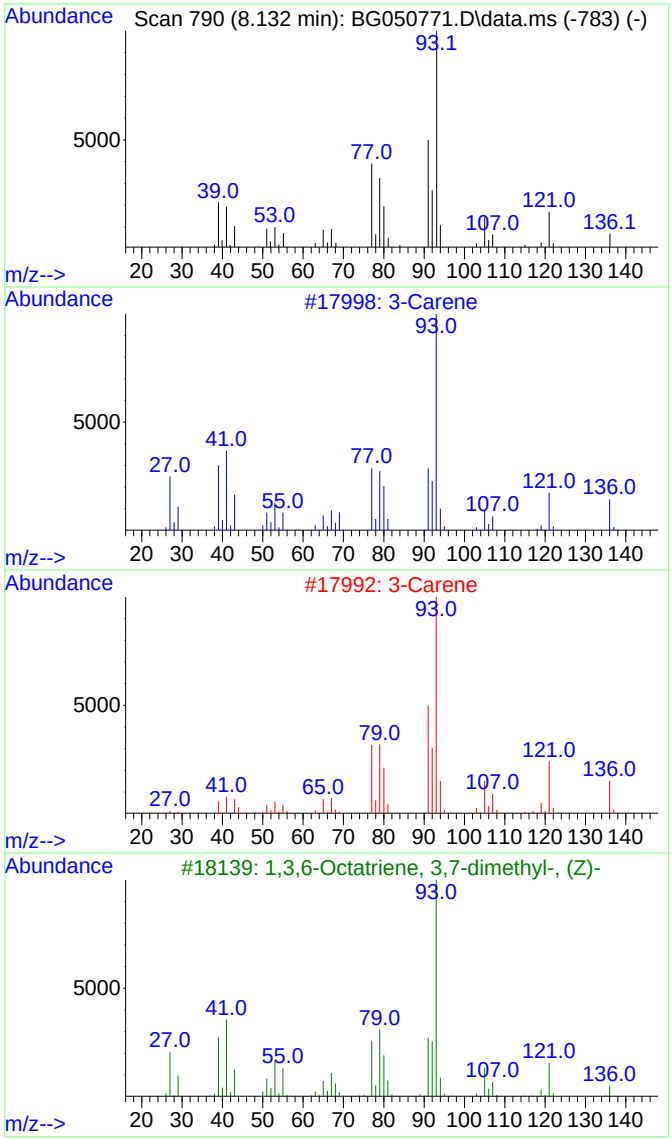
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

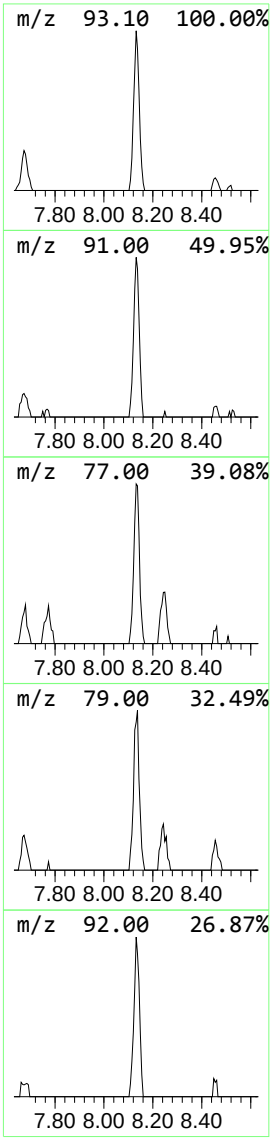
**********

Peak Number 1 3-Carene Concentration Rank 11

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 8.132 | 5.11 ng/ul | 70380 | 1,4-Dichlorobenzene-d4 | 8.243 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 3-Carene | 136 | C10H16 | 013466-78-9 | 94 |
| 2 | 3-Carene | 136 | C10H16 | 013466-78-9 | 93 |
| 3 | 1,3,6-Octatriene, 3,7-dimethyl-,... | 136 | C10H16 | 003338-55-4 | 90 |
| 4 | 3-Carene | 136 | C10H16 | 013466-78-9 | 87 |
| 5 | 3-Carene | 136 | C10H16 | 013466-78-9 | 87 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JDGB8

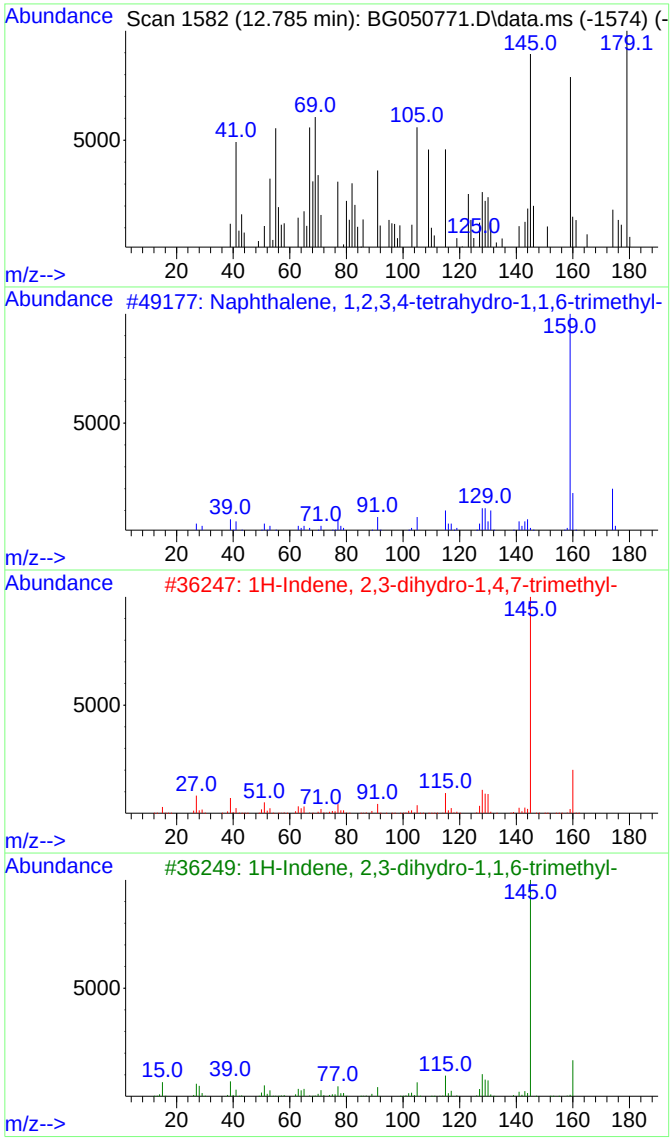
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION

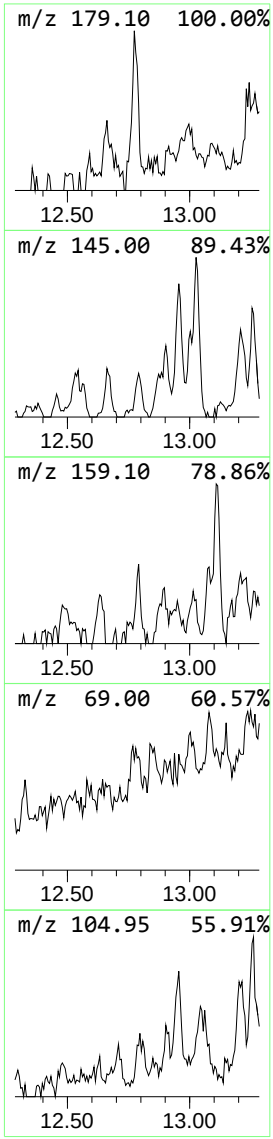
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 unknown-01 Concentration Rank 17

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.785 | 2.30 ng/ul | 47033 | Naphthalene-d8 | 11.069 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 174 | C13H18 | 000475-03-6 | 42 |
| 2 | 1H-Indene, 2,3-dihydro-1,4,7-tri... | 160 | C12H16 | 054340-87-3 | 42 |
| 3 | 1H-Indene, 2,3-dihydro-1,1,6-tri... | 160 | C12H16 | 014276-95-0 | 38 |
| 4 | 1H-Indene, 2,3-dihydro-1,1,4-tri... | 160 | C12H16 | 016204-72-1 | 38 |
| 5 | 1-Naphthalenemethanol, 1,2,3,4-t... | 176 | C12H16O | 036052-28-5 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JDGB8

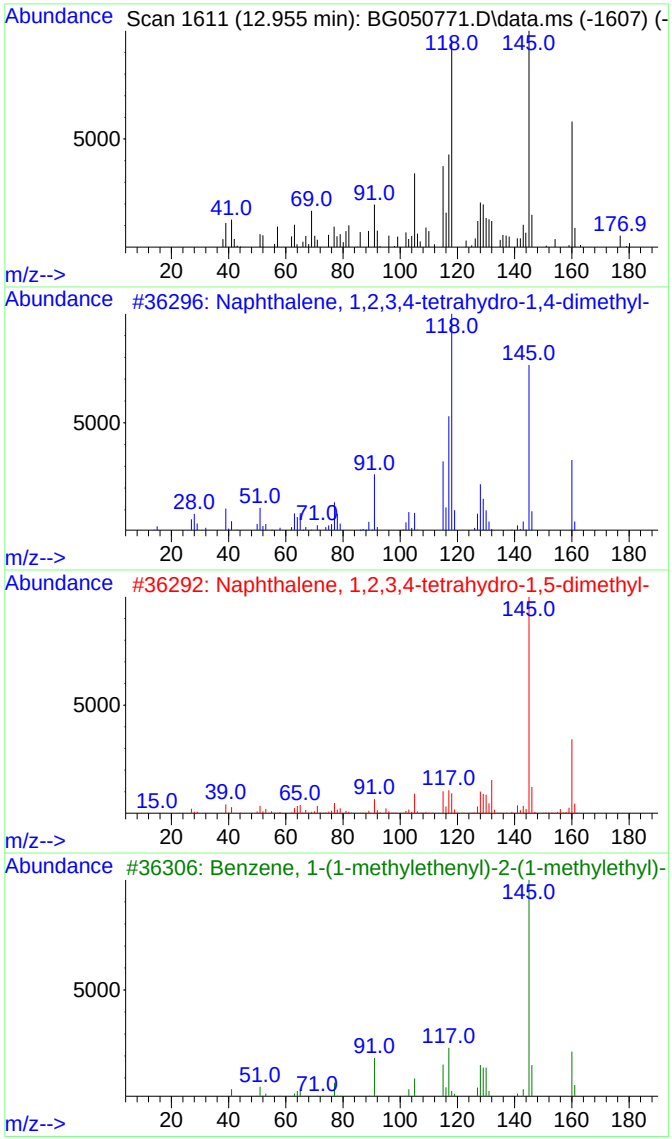
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION

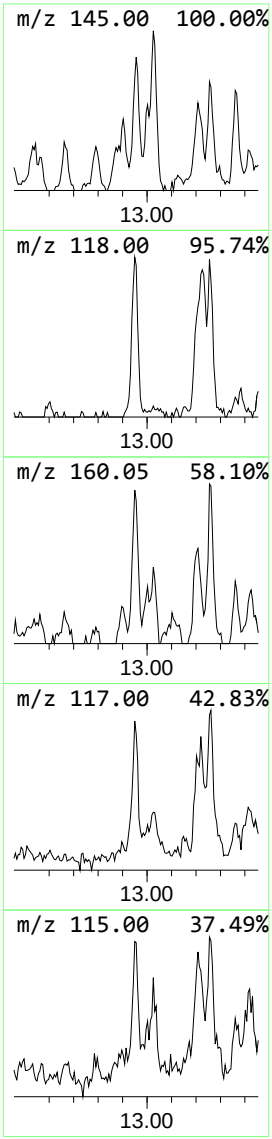
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 18

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 12.955 | 2.19 ng/ul | 44634 | Naphthalene-d8 | 11.069 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 004175-54-6 | 96 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 021564-91-0 | 89 |
| 3 | Benzene, 1-(1-methylethenyl)-2-(... | 160 | C12H16 | 005557-93-7 | 86 |
| 4 | 1H-Indene, 2,3-dihydro-1,1,3-tri... | 160 | C12H16 | 002613-76-5 | 78 |
| 5 | Benzene, 1-(2-butenyl)-2,3-dimet... | 160 | C12H16 | 054340-85-1 | 64 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JDGB8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION

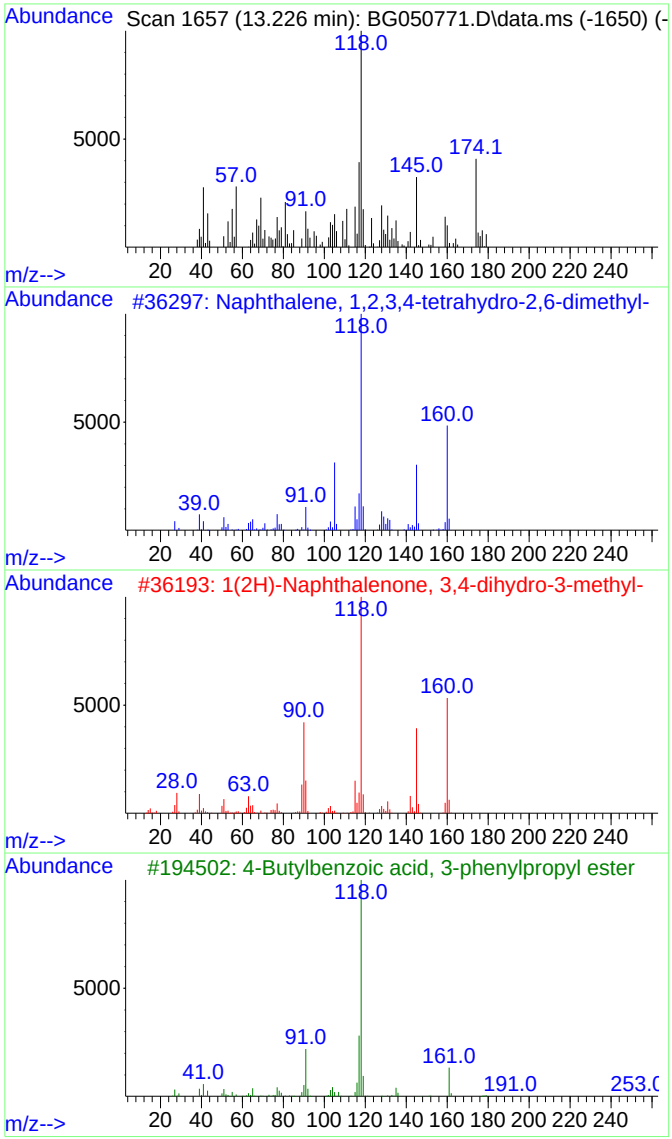
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

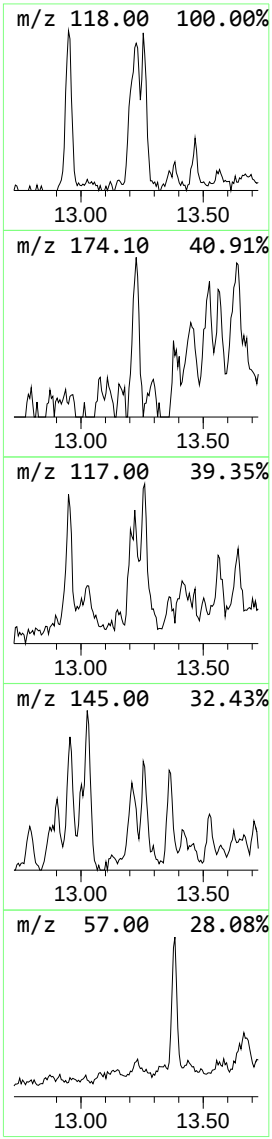
**********

Peak Number 4 unknown-02 Concentration Rank 14

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.226 | 3.45 ng/ul | 85176 | Acenaphthene-d10 | 14.871 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 007524-63-2 | 43 |
| 2 | 1(2H)-Naphthalenone, 3,4-dihydro... | 160 | C11H12O | 014944-23-1 | 38 |
| 3 | 4-Butylbenzoic acid, 3-phenylpro... | 296 | C20H24O2 | 1000293-53-0 | 38 |
| 4 | Benzene, (3-methyl-1-methylenebu... | 160 | C12H16 | 038212-14-5 | 38 |
| 5 | Diethylmalonic acid, pentyl 3-ph... | 348 | C21H32O4 | 1000369-65-4 | 35 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JDGB8

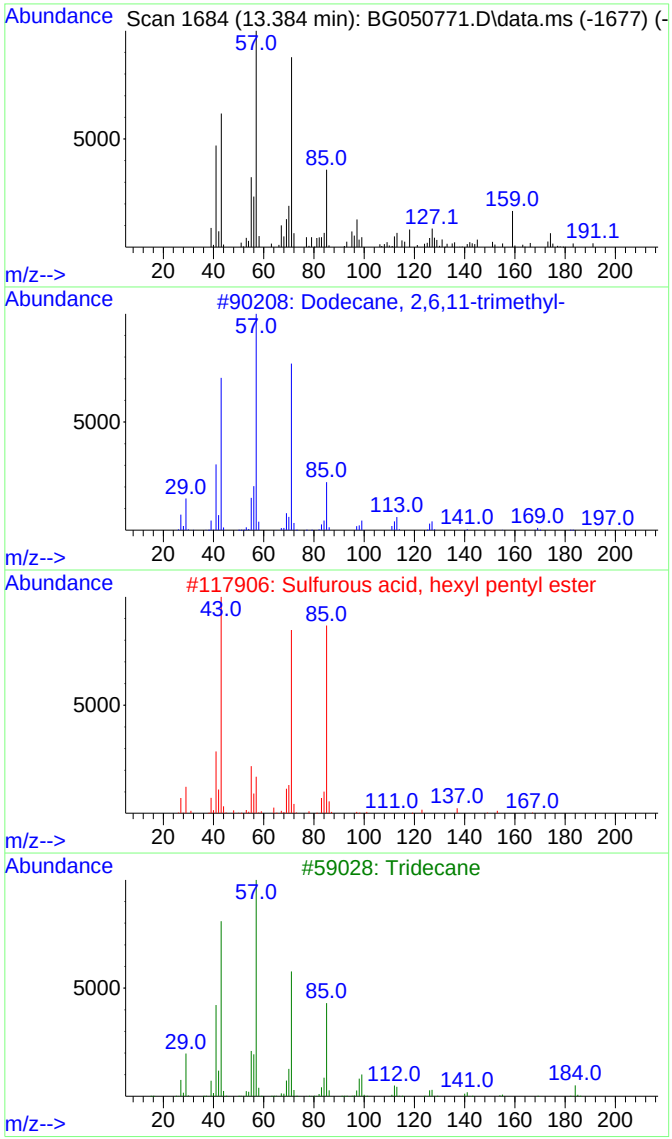
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION

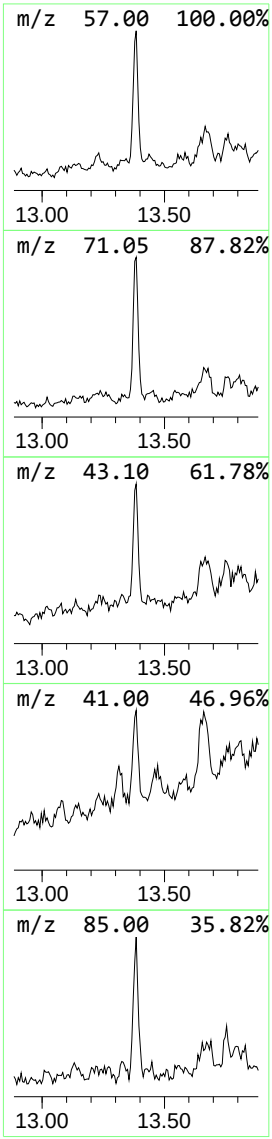
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.384 | 5.75 ng/ul | 141906 | Acenaphthene-d10 | 14.871 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 2,6,11-trimethyl- | 212 | C15H32 | 031295-56-4 | 59 |
| 2 | Sulfurous acid, hexyl pentyl ester | 236 | C11H24O3S | 1000309-14-1 | 58 |
| 3 | Tridecane | 184 | C13H28 | 000629-50-5 | 53 |
| 4 | Octane, 2,3,6,7-tetramethyl- | 170 | C12H26 | 052670-34-5 | 50 |
| 5 | Butane, 2,2-dimethyl- | 86 | C6H14 | 000075-83-2 | 47 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JDGB8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION

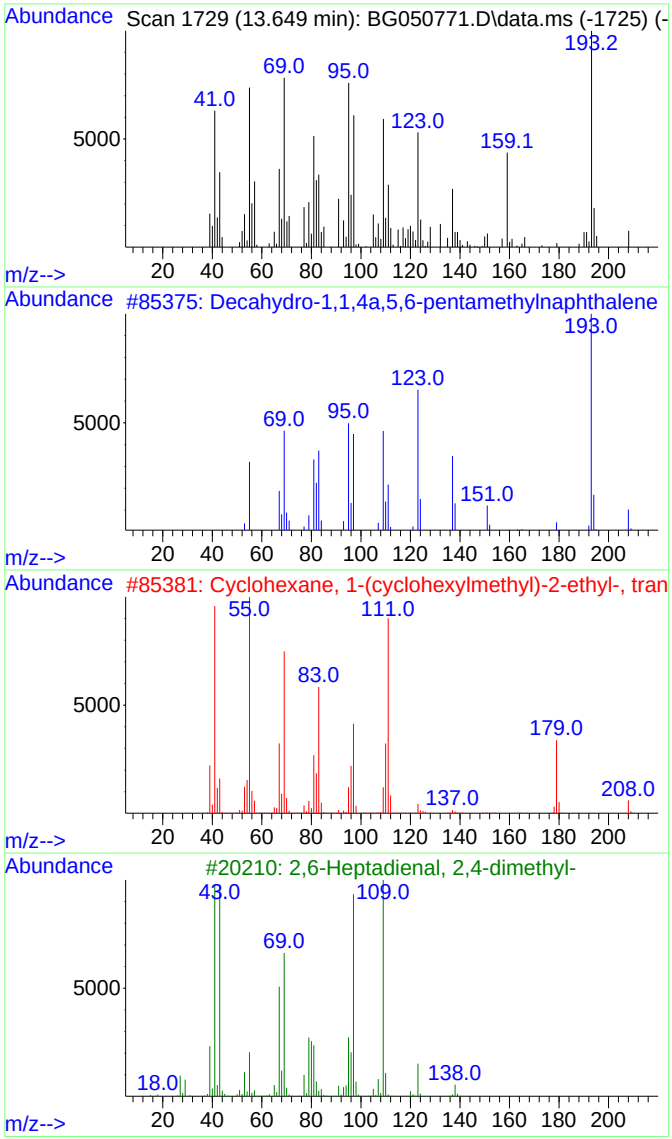
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

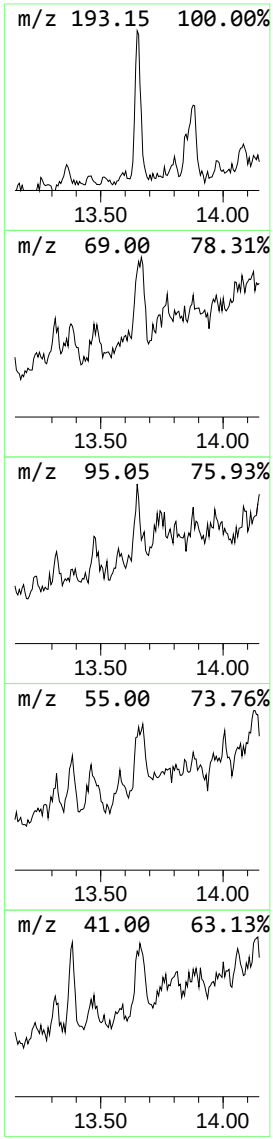
**********

Peak Number 6 unknown-03 Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.649 | 6.26 ng/ul | 154385 | Acenaphthene-d10 | 14.871 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Decahydro-1,1,4a,5,6-pentamethyl... | 208 | C15H28 | 080655-44-3 | 41 |
| 2 | Cyclohexane, 1-(cyclohexylmethyl... | 208 | C15H28 | 054934-92-8 | 14 |
| 3 | 2,6-Heptadienal, 2,4-dimethyl- | 138 | C9H14O | 085136-08-9 | 11 |
| 4 | Bicyclo[3.1.1]heptane, 2,6,6-tri... | 138 | C10H18 | 004795-86-2 | 11 |
| 5 | 1,5,9-Undecatriene, 2,6,10-trime... | 192 | C14H24 | 062951-96-6 | 11 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JDGB8

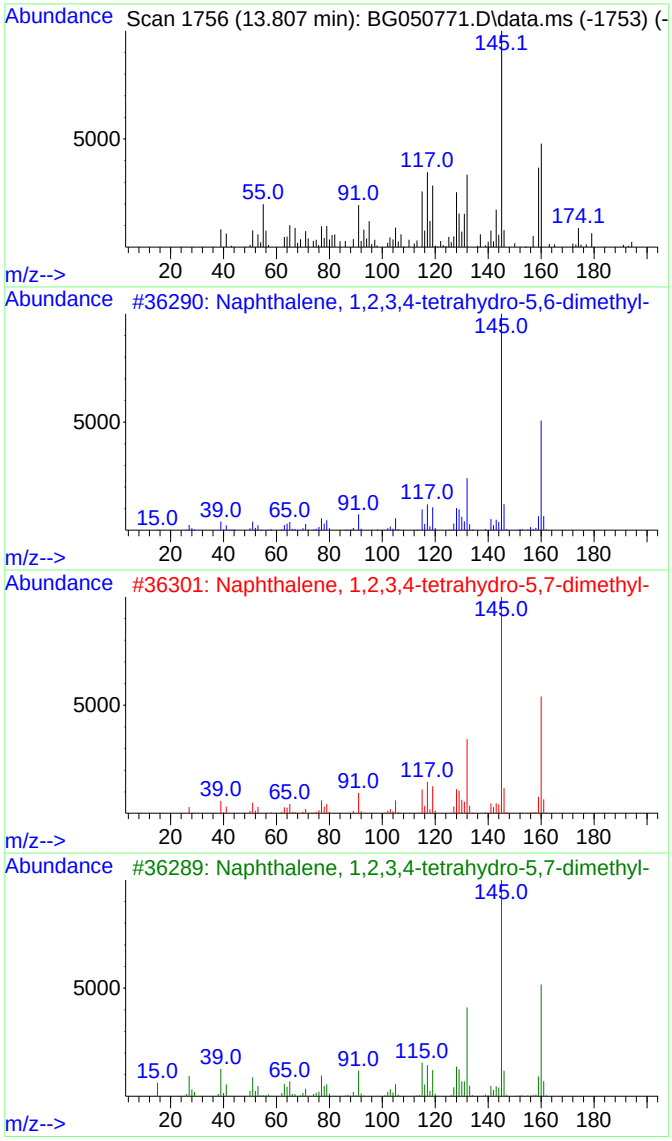
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION

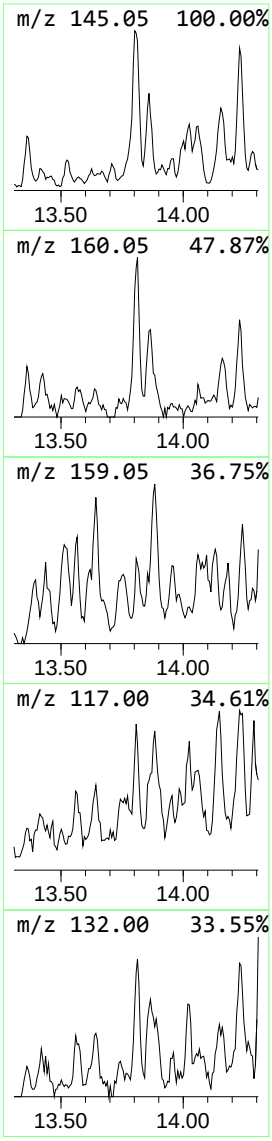
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 15

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 13.807 | 3.30 ng/ul | 81423 | Acenaphthene-d10 | 14.871 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 020027-77-4 | 83 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 021693-54-9 | 72 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 021693-54-9 | 64 |
| 4 | Benzene, 1-(1-methylethenyl)-3-(... | 160 | C12H16 | 001129-29-9 | 52 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 001076-61-5 | 50 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JDGB8

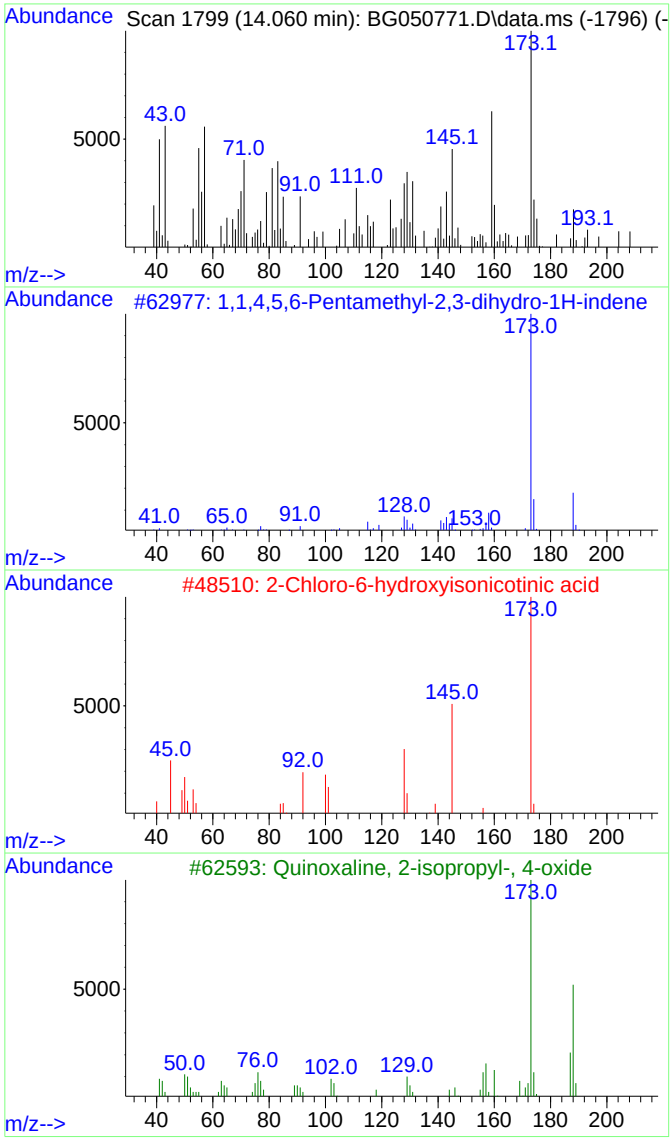
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION

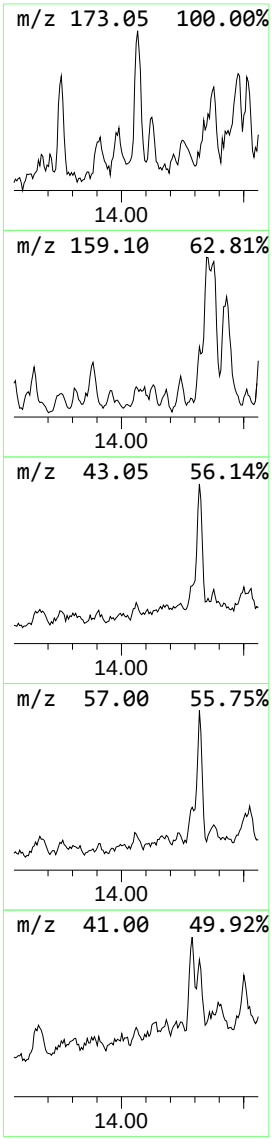
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 unknown-04 Concentration Rank 16

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.060 | 3.03 ng/ul | 74898 | Acenaphthene-d10 | 14.871 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1,1,4,5,6-Pentamethyl-2,3-dihydr... | 188 | C14H20 | 016204-67-4 | 49 |
| 2 | 2-Chloro-6-hydroxyisonicotinic acid | 173 | C6H4ClNO3 | 006313-51-5 | 43 |
| 3 | Quinoxaline, 2-isopropyl-, 4-oxide | 188 | C11H12N2O | 016080-16-3 | 41 |
| 4 | 2-Naphthalenamine, 3,4-dihydro-N... | 173 | C12H15N | 037948-97-3 | 38 |
| 5 | 3'-(Trifluoromethyl)acetophenone | 188 | C9H7F3O | 000349-76-8 | 38 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JDGB8

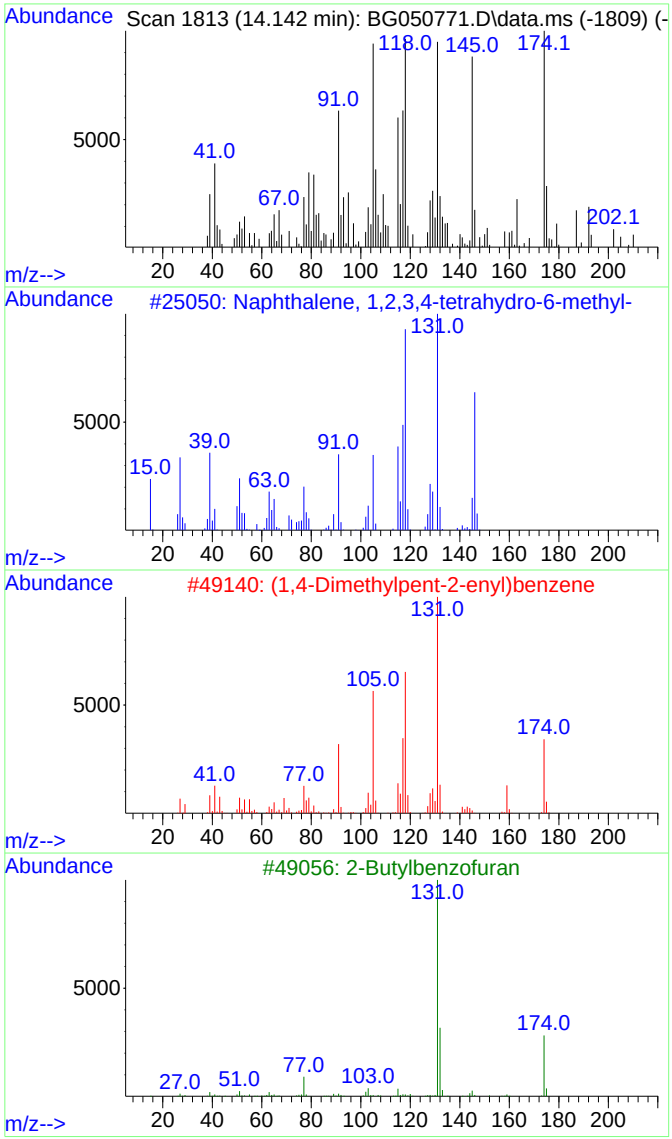
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION

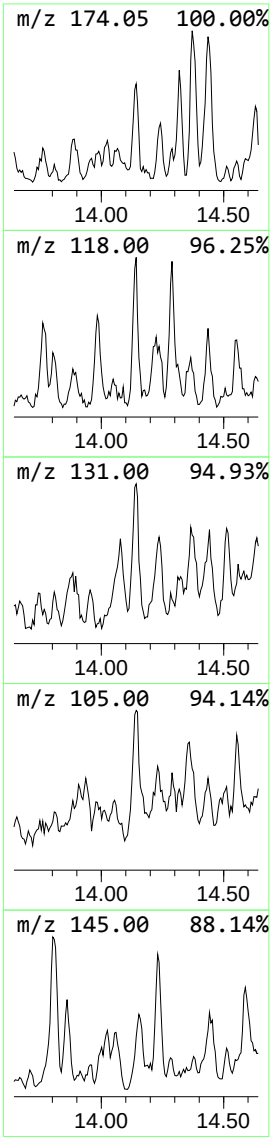
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 13

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.142 | 3.90 ng/ul | 96143 | Acenaphthene-d10 | 14.871 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 86 |
| 2 | (1,4-Dimethylpent-2-enyl)benzene | 174 | C13H18 | 1000184-97-9 | 52 |
| 3 | 2-Butylbenzofuran | 174 | C12H14O | 004265-27-4 | 27 |
| 4 | Tetracyclo[4.2.1.0(3,7).0(2,9)]n... | 174 | C13H18 | 1000164-31-2 | 25 |
| 5 | N-Hydroxy-2-(5,6,7,8-tetrahydron... | 205 | C12H15NO2 | 1063724-00-4 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :**
BNA_G
**ClientSampleId :**
JDGB8

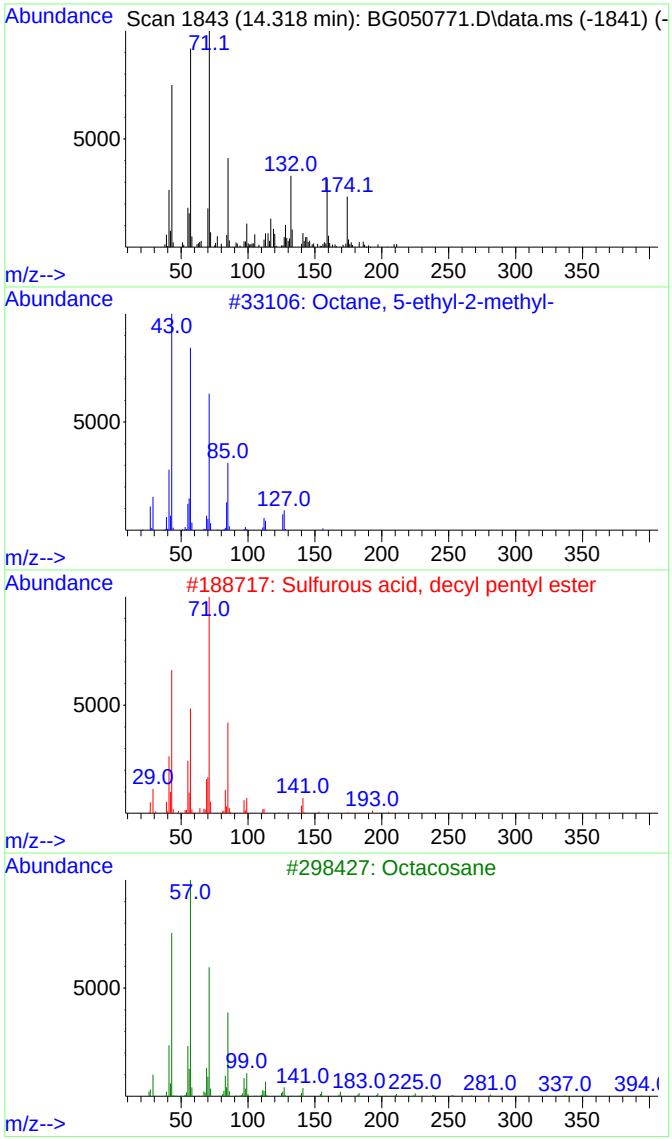
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION

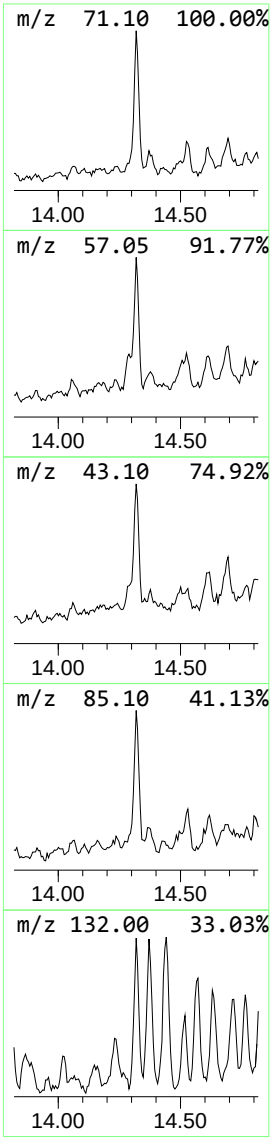
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

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

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.318 | 5.55 ng/ul | 136950 | Acenaphthene-d10 | 14.871 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Octane, 5-ethyl-2-methyl- | 156 | C11H24 | 062016-18-6 | 49 |
| 2 | Sulfurous acid, decyl pentyl ester | 292 | C15H32O3S | 1000309-14-3 | 47 |
| 3 | Octacosane | 394 | C28H58 | 000630-02-4 | 38 |
| 4 | Dodecane, 2-methyl-6-propyl- | 226 | C16H34 | 055045-08-4 | 35 |
| 5 | Sulfurous acid, butyl pentyl ester | 208 | C9H20O3S | 1000309-17-1 | 35 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JDGB8

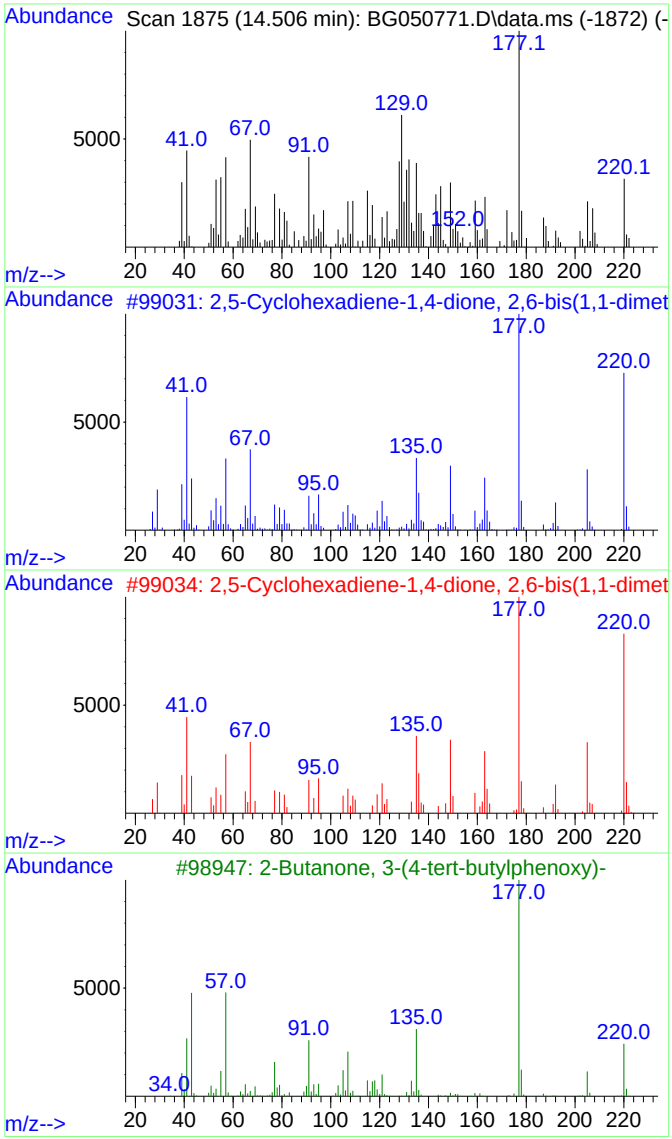
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION

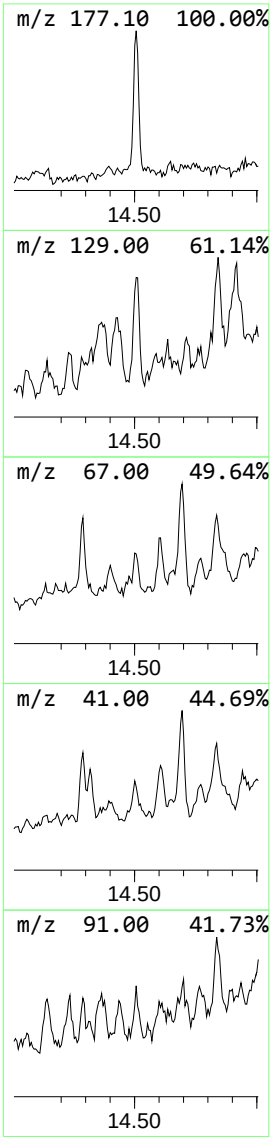
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 11 2,5-Cyclohexadiene-1,4-dion... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.506 | 5.87 ng/ul | 144817 | Acenaphthene-d10 | 14.871 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,5-Cyclohexadiene-1,4-dione, 2,... | 220 | C14H20O2 | 000719-22-2 | 70 |
| 2 | 2,5-Cyclohexadiene-1,4-dione, 2,... | 220 | C14H20O2 | 000719-22-2 | 70 |
| 3 | 2-Butanone, 3-(4-tert-butylpheno... | 220 | C14H20O2 | 160875-28-5 | 60 |
| 4 | 2,5-Cyclohexadiene-1,4-dione, 2,... | 220 | C14H20O2 | 000719-22-2 | 49 |
| 5 | 2,5-Cyclohexadiene-1,4-dione, 2,... | 220 | C14H20O2 | 000719-22-2 | 42 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JDGB8

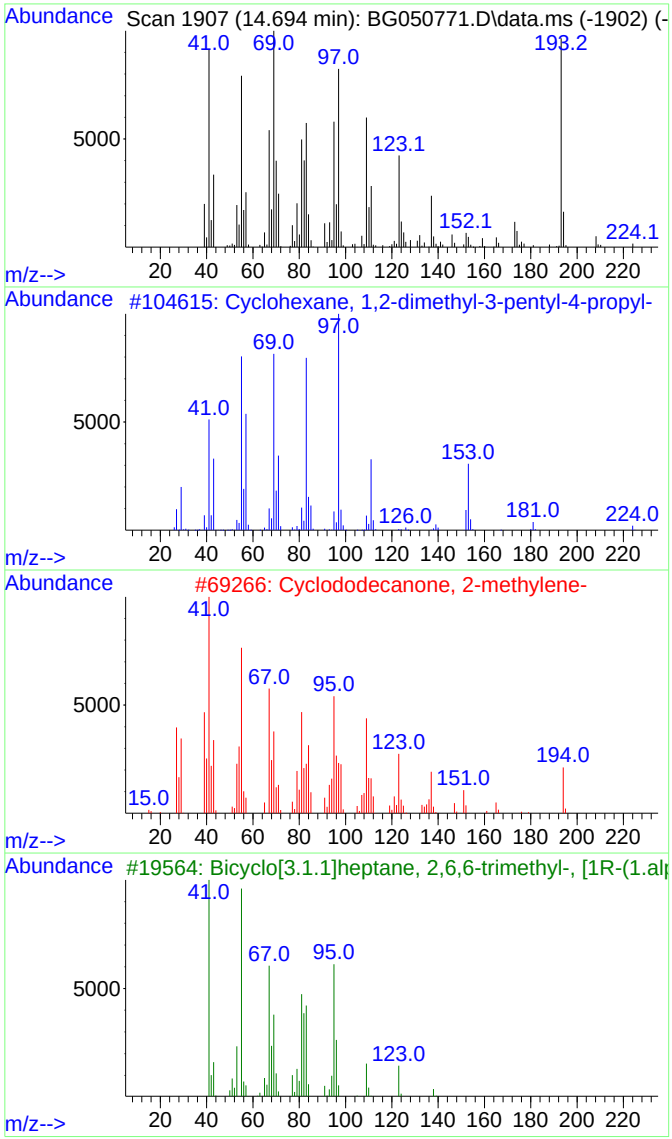
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION

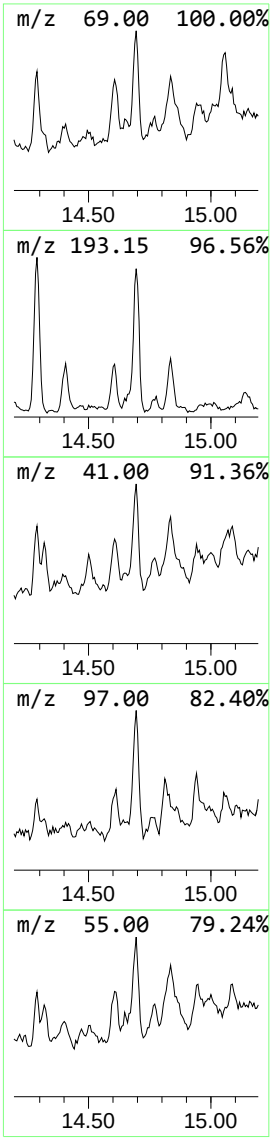
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 12 (DEL) Alkane: Cyclic14.694 Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.694 | 18.83 ng/ul | 464640 | Acenaphthene-d10 | 14.871 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclohexane, 1,2-dimethyl-3-pent... | 224 | C16H32 | 062376-17-4 | 41 |
| 2 | Cyclododecanone, 2-methylene- | 194 | C13H22O | 003045-76-9 | 38 |
| 3 | Bicyclo[3.1.1]heptane, 2,6,6-tri... | 138 | C10H18 | 004863-59-6 | 25 |
| 4 | 2,6-Heptadienal, 2,4-dimethyl- | 138 | C9H14O | 085136-08-9 | 25 |
| 5 | 2H-Spiro[1-benzofuran-3,2'-[1,3]... | 193 | C10H11NO3 | 1000387-33-4 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JDGB8

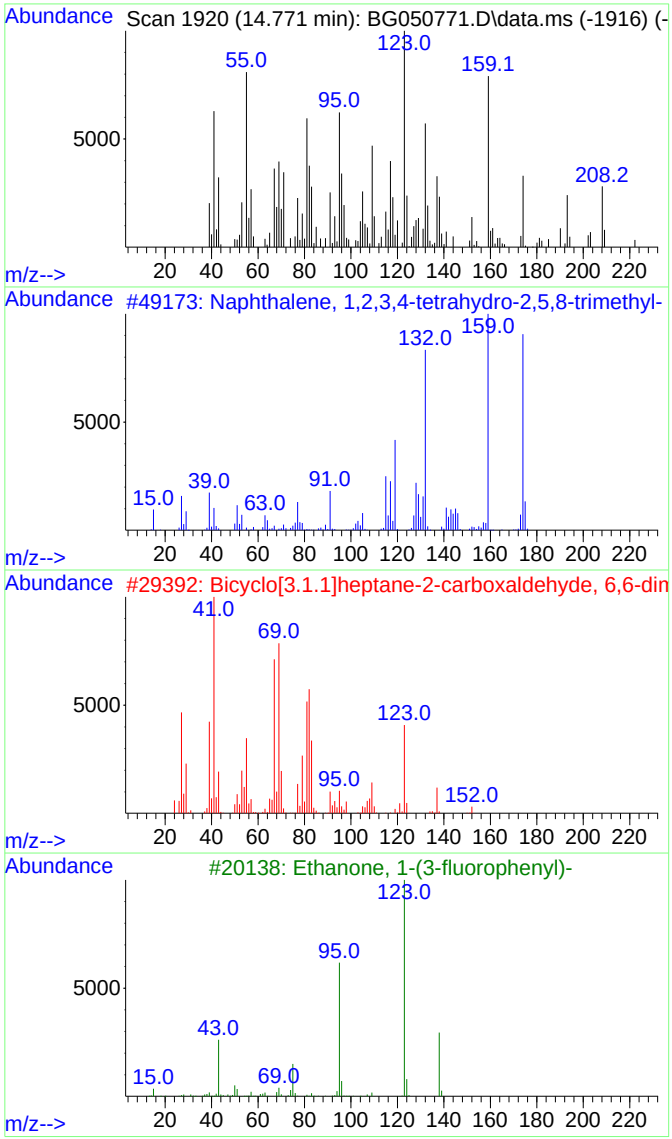
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION

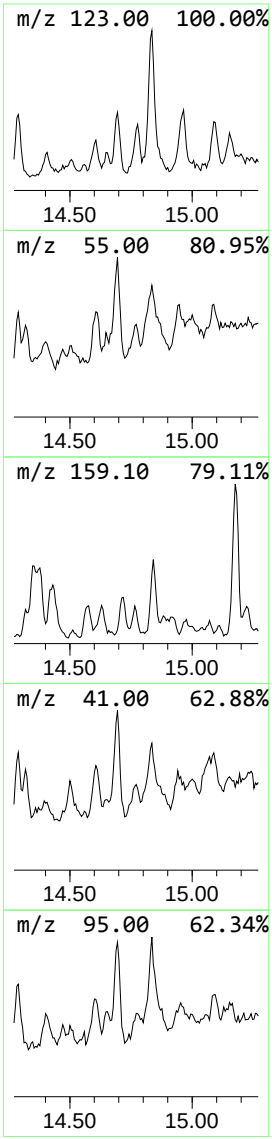
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 13 unknown-05 Concentration Rank 12

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.771 | 4.66 ng/ul | 115064 | Acenaphthene-d10 | 14.871 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 174 | C13H18 | 030316-17-7 | 30 |
| 2 | Bicyclo[3.1.1]heptane-2-carboxal... | 152 | C10H16O | 004764-14-1 | 25 |
| 3 | Ethanone, 1-(3-fluorophenyl)- | 138 | C8H7FO | 000455-36-7 | 25 |
| 4 | 1-(2,2,6-Trimethylcyclohexyl)hex... | 226 | C15H30O | 070788-30-6 | 22 |
| 5 | Ethanone, 1-(4-fluorophenyl)- | 138 | C8H7FO | 000403-42-9 | 22 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JDGB8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION

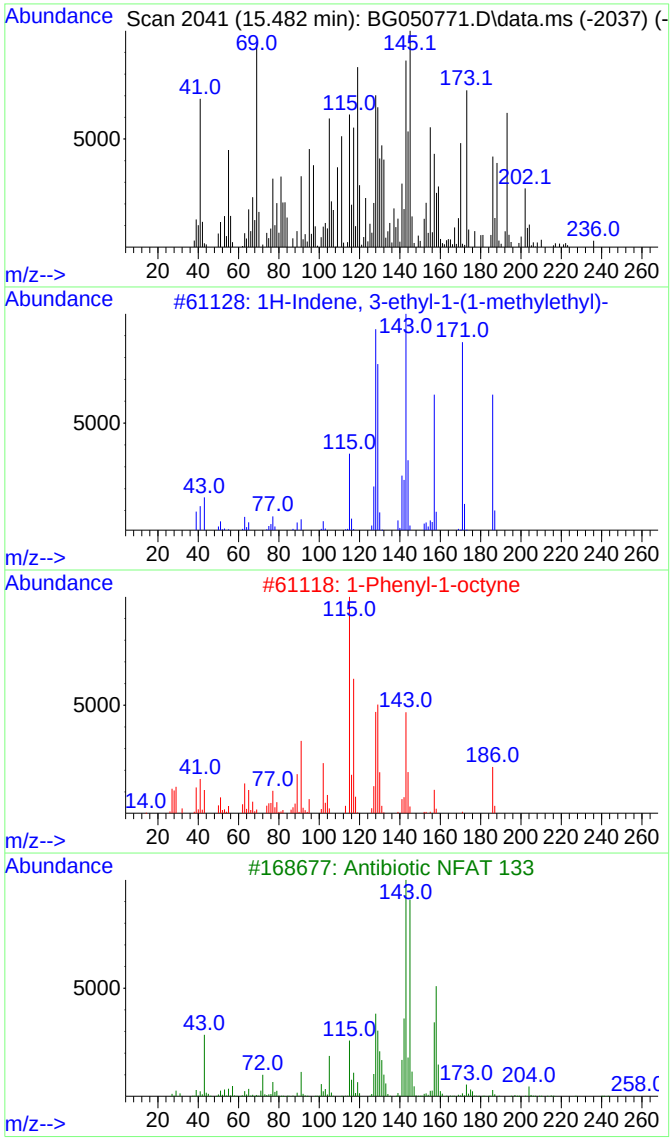
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

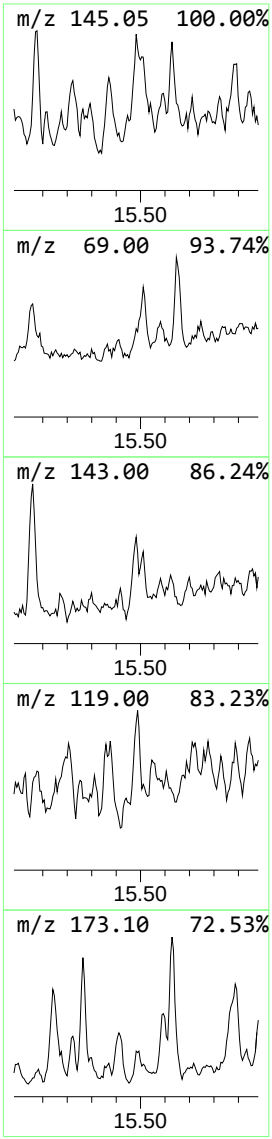
**********

Peak Number 14 unknown-06 Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.482 | 7.89 ng/ul | 194851 | Acenaphthene-d10 | 14.871 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 3-ethyl-1-(1-methylet... | 186 | C14H18 | 111400-85-2 | 35 |
| 2 | 1-Phenyl-1-octyne | 186 | C14H18 | 016967-02-5 | 25 |
| 3 | Antibiotic NFAT 133 | 276 | C17H24O3 | 165133-85-7 | 14 |
| 4 | 3-(1H-Imidazol-2-yl)pyridine | 145 | C8H7N3 | 013570-00-8 | 14 |
| 5 | 3-Methyl-5-phenylpenta-2,4-dieno... | 188 | C12H12O2 | 166986-40-9 | 11 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JDGB8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION

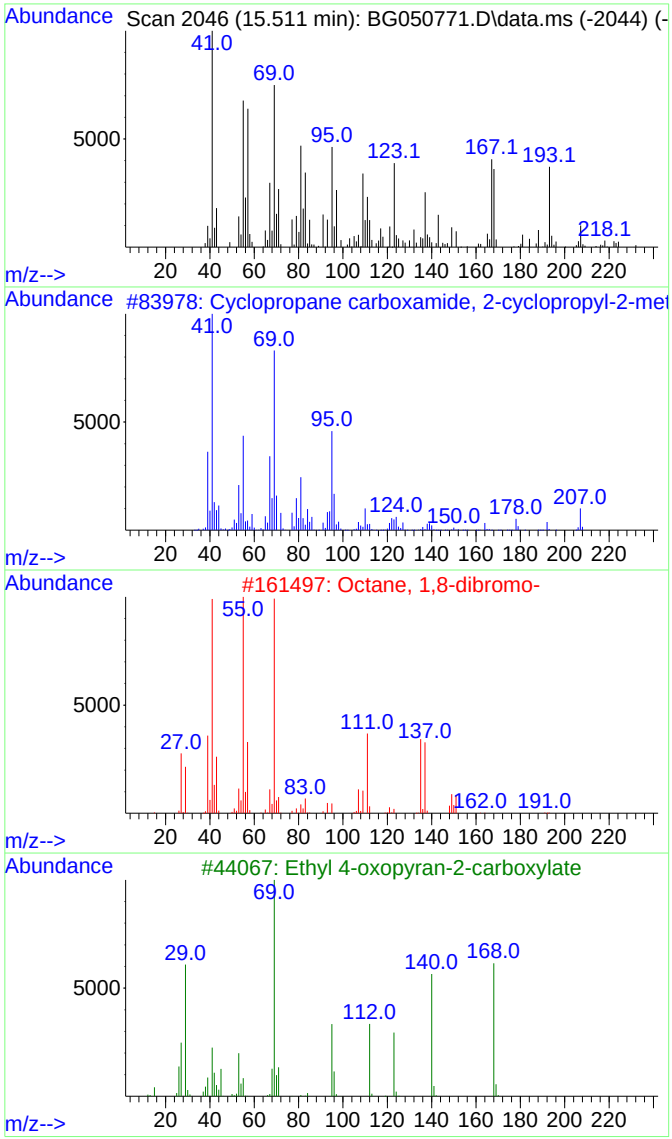
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

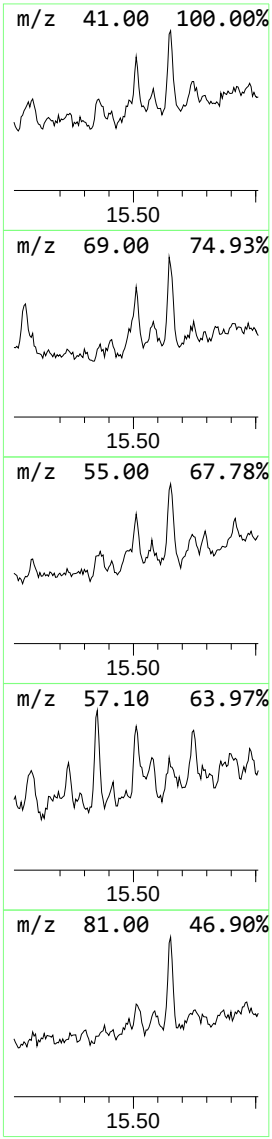
**********

Peak Number 15 unknown-07 Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.511 | 9.39 ng/ul | 231727 | Acenaphthene-d10 | 14.871 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Cyclopropane carboxamide, 2-cycl... | 207 | C13H21NO | 331416-19-4 | 38 |
| 2 | Octane, 1,8-dibromo- | 270 | C8H16Br2 | 004549-32-0 | 27 |
| 3 | Ethyl 4-oxopyran-2-carboxylate | 168 | C8H8O4 | 001551-45-7 | 27 |
| 4 | Neopentylidenecyclohexane | 152 | C11H20 | 039546-80-0 | 27 |
| 5 | 4-n-Hexylthiane, S,S-dioxide | 218 | C11H22O2S | 070928-52-8 | 25 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JDGB8

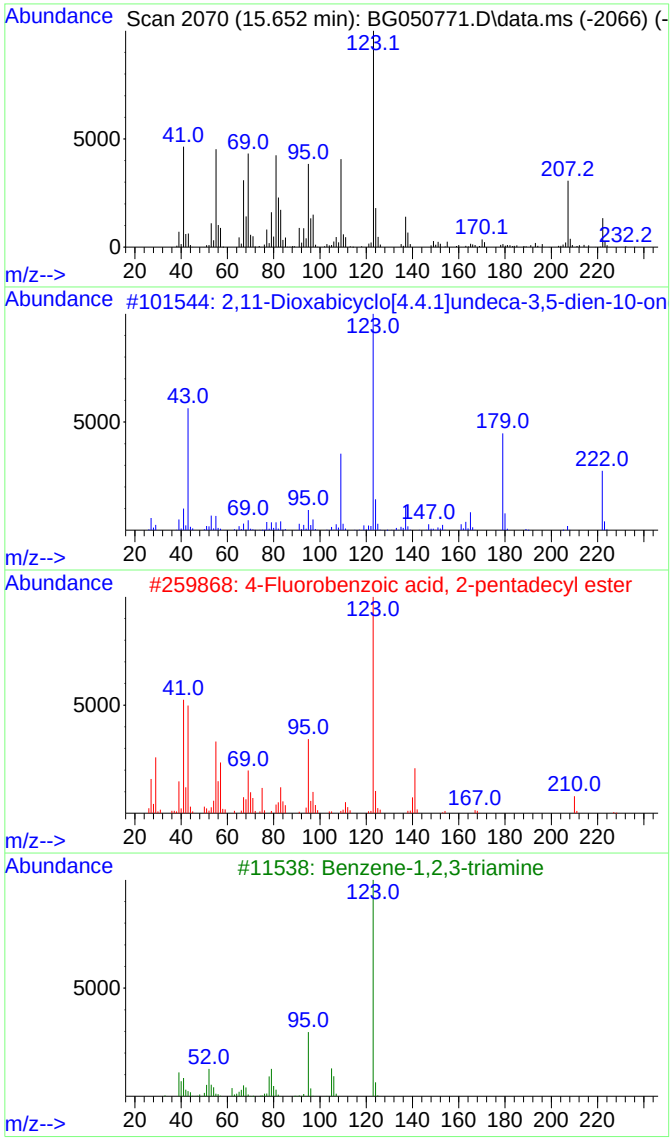
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION

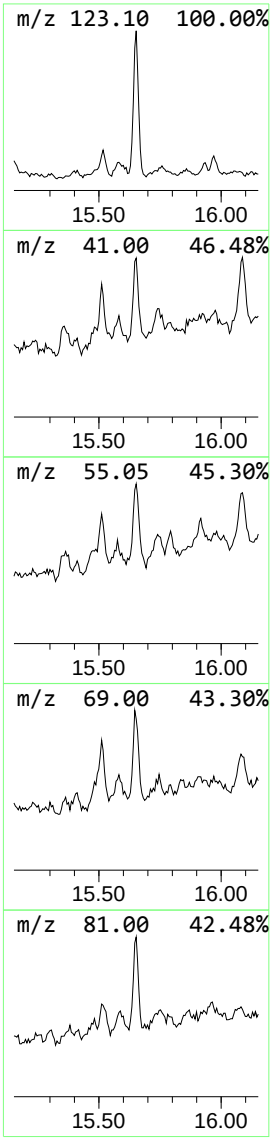
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 16 2,11-Dioxabicyclo[4.4.1]und... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.652 | 17.02 ng/ul | 420168 | Acenaphthene-d10 | 14.871 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2,11-Dioxabicyclo[4.4.1]undeca-3... | 222 | C13H18O3 | 070412-52-1 | 53 |
| 2 | 4-Fluorobenzoic acid, 2-pentadec... | 350 | C22H35FO2 | 1000280-68-3 | 47 |
| 3 | Benzene-1,2,3-triamine | 123 | C6H9N3 | 1000316-45-3 | 46 |
| 4 | 3-Fluorobenzoic acid, 3-methylbu... | 208 | C12H13FO2 | 154559-38-3 | 43 |
| 5 | Benzamide, 3-fluoro-N-methyl-N-e... | 181 | C10H12FNO | 1000421-36-4 | 43 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JDGB8

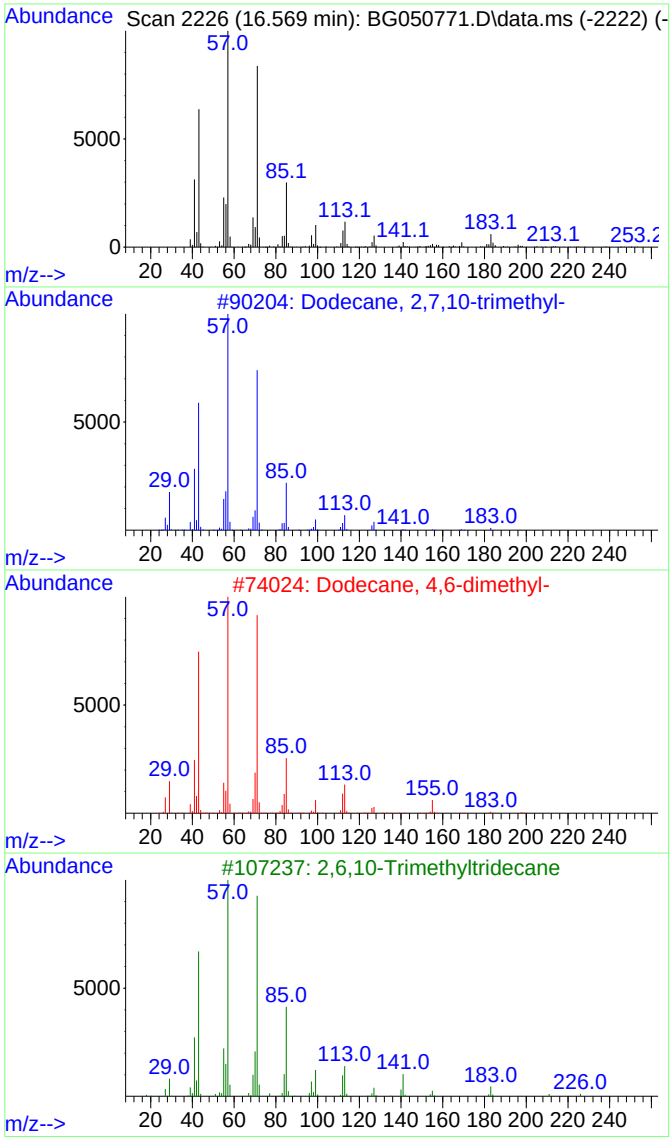
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION

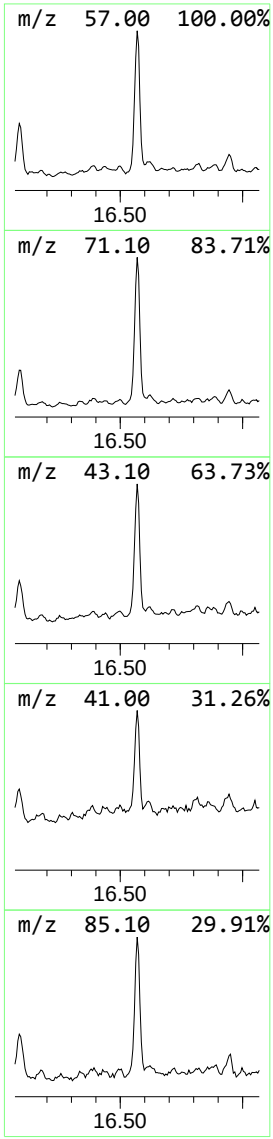
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.569 | 30.18 ng/ul | 898831 | Phenanthrene-d10 | 17.620 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Dodecane, 2,7,10-trimethyl- | 212 | C15H32 | 074645-98-0 | 90 |
| 2 | Dodecane, 4,6-dimethyl- | 198 | C14H30 | 061141-72-8 | 87 |
| 3 | 2,6,10-Trimethyltridecane | 226 | C16H34 | 003891-99-4 | 86 |
| 4 | Dodecane, 2,6,11-trimethyl- | 212 | C15H32 | 031295-56-4 | 86 |
| 5 | Octadecane, 4-methyl- | 268 | C19H40 | 010544-95-3 | 83 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JDGB8

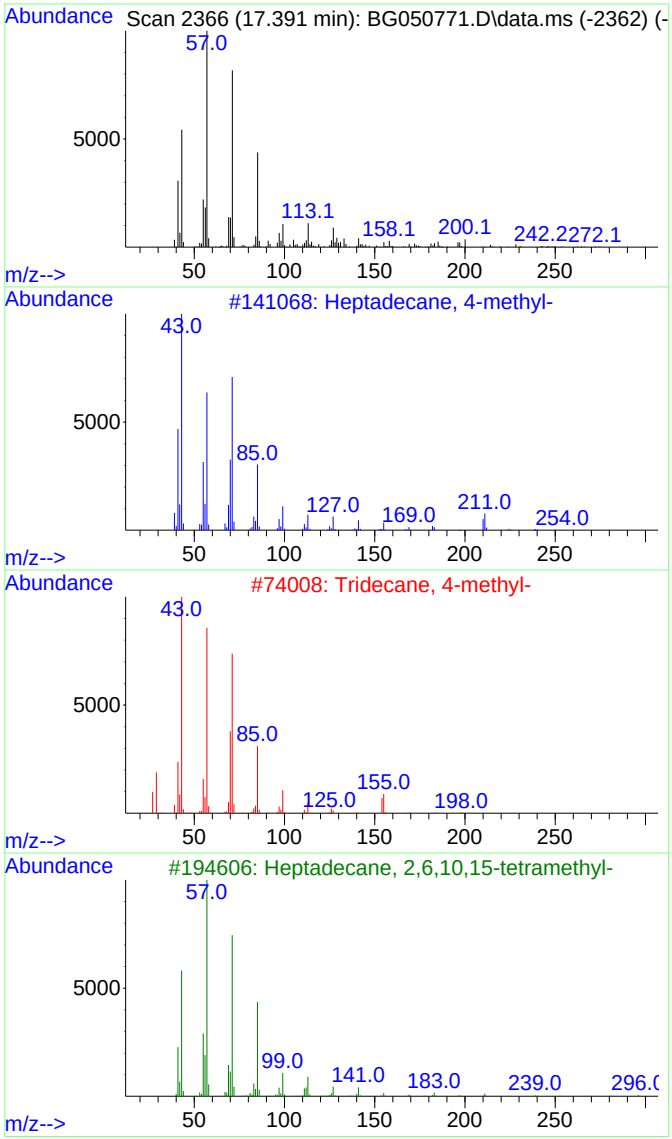
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.M
Quant Title : SVOA CALIBRATION

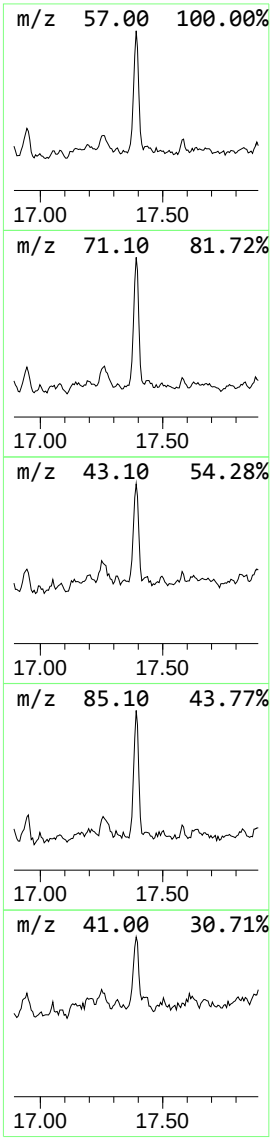
TIC Library : C:\DATABASE\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.391 | 16.05 ng/ul | 477996 | Phenanthrene-d10 | 17.620 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Heptadecane, 4-methyl- | 254 | C18H38 | 026429-11-8 | 87 |
| 2 | Tridecane, 4-methyl- | 198 | C14H30 | 026730-12-1 | 87 |
| 3 | Heptadecane, 2,6,10,15-tetramethyl- | 296 | C21H44 | 054833-48-6 | 87 |
| 4 | Nonadecane | 268 | C19H40 | 000629-92-5 | 86 |
| 5 | Dodecane, 1-iodo- | 296 | C12H25I | 004292-19-7 | 86 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102721\
Data File : BG050771.D
Acq On : 28 Oct 2021 10:56
Operator : CG/JU
Sample : M4215-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** JDGB8

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102721.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 |
| 3-Carene | 8.132 | 5.1 | ng/ul | 70380 | 1 | 8.243 | 275698 | 20.0 |
| unknown-01 | 12.785 | 2.3 | ng/ul | 47033 | 2 | 11.069 | 408423 | 20.0 |
| Naphthalene, 1,... | 12.955 | 2.2 | ng/ul | 44634 | 2 | 11.069 | 408423 | 20.0 |
| unknown-02 | 13.226 | 3.5 | ng/ul | 85176 | 3 | 14.871 | 493612 | 20.0 |
| (DEL) Alkane: S... | 13.384 | 5.8 | ng/ul | 141906 | 3 | 14.871 | 493612 | 20.0 |
| unknown-03 | 13.649 | 6.3 | ng/ul | 154385 | 3 | 14.871 | 493612 | 20.0 |
| Naphthalene, 1,... | 13.807 | 3.3 | ng/ul | 81423 | 3 | 14.871 | 493612 | 20.0 |
| unknown-04 | 14.060 | 3.0 | ng/ul | 74898 | 3 | 14.871 | 493612 | 20.0 |
| Naphthalene, 1,... | 14.142 | 3.9 | ng/ul | 96143 | 3 | 14.871 | 493612 | 20.0 |
| (DEL) Alkane: S... | 14.318 | 5.5 | ng/ul | 136950 | 3 | 14.871 | 493612 | 20.0 |
| 2,5-Cyclohexadi... | 14.506 | 5.9 | ng/ul | 144817 | 3 | 14.871 | 493612 | 20.0 |
| (DEL) Alkane: C... | 14.694 | 18.8 | ng/ul | 464640 | 3 | 14.871 | 493612 | 20.0 |
| unknown-05 | 14.771 | 4.7 | ng/ul | 115064 | 3 | 14.871 | 493612 | 20.0 |
| unknown-06 | 15.482 | 7.9 | ng/ul | 194851 | 3 | 14.871 | 493612 | 20.0 |
| unknown-07 | 15.511 | 9.4 | ng/ul | 231727 | 3 | 14.871 | 493612 | 20.0 |
| 2,11-Dioxabicyc... | 15.652 | 17.0 | ng/ul | 420168 | 3 | 14.871 | 493612 | 20.0 |
| (DEL) Alkane: S... | 16.569 | 30.2 | ng/ul | 898831 | 4 | 17.620 | 595640 | 20.0 |
| (DEL) Alkane: S... | 17.391 | 16.1 | ng/ul | 477996 | 4 | 17.620 | 595640 | 20.0 |