LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100424\
Data File : BN034408.D
Acq On : 05 Oct 2024 03:12
Operator : RC/JU
Sample : P4227-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
DUP(20240926)

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_N\Methods\SFAM-EPA-BN091124.MA.M
Title : SVOA CALIBRATION

Signal : TIC: BN034408.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.999 | 15 | 19 | 21 | rBV | 36934 | 49122 | 0.13% | 0.032% |
| 2 | 3.028 | 21 | 24 | 36 | rVB | 55111 | 87514 | 0.23% | 0.057% |
| 3 | 3.387 | 81 | 85 | 98 | rBV | 209714 | 367246 | 0.97% | 0.240% |
| 4 | 3.687 | 132 | 136 | 142 | rVB | 33919 | 47402 | 0.13% | 0.031% |
| 5 | 4.764 | 312 | 319 | 338 | rVV | 10372235 | 16419407 | 43.49% | 10.751% |
| 6 | 4.928 | 342 | 347 | 354 | rVB2 | 31188 | 57280 | 0.15% | 0.038% |
| 7 | 6.581 | 618 | 628 | 640 | rBV | 368800 | 607571 | 1.61% | 0.398% |
| 8 | 6.734 | 647 | 654 | 666 | rBV | 614591 | 964706 | 2.56% | 0.632% |
| 9 | 6.922 | 679 | 686 | 698 | rBV | 769746 | 1281525 | 3.39% | 0.839% |
| 10 | 7.275 | 738 | 746 | 757 | rBV | 9812836 | 16085032 | 42.61% | 10.532% |
| 11 | 7.434 | 758 | 773 | 778 | rBV | 17496158 | 37750422 | 100.00% | 24.717% |
| 12 | 7.722 | 815 | 822 | 834 | rVB | 1385641 | 2128472 | 5.64% | 1.394% |
| 13 | 8.093 | 878 | 885 | 896 | rBV | 813712 | 1327046 | 3.52% | 0.869% |
| 14 | 8.357 | 924 | 930 | 942 | rVB | 220118 | 341409 | 0.90% | 0.224% |
| 15 | 8.522 | 952 | 958 | 968 | rVB | 701217 | 1121293 | 2.97% | 0.734% |
| 16 | 9.181 | 1064 | 1070 | 1074 | rBV | 165938 | 266557 | 0.71% | 0.175% |
| 17 | 9.234 | 1074 | 1079 | 1087 | rVV | 613887 | 995177 | 2.64% | 0.652% |
| 18 | 9.769 | 1160 | 1170 | 1177 | rBV | 1024155 | 1768142 | 4.68% | 1.158% |
| 19 | 9.834 | 1177 | 1181 | 1191 | rVB | 164100 | 281638 | 0.75% | 0.184% |
| 20 | 10.004 | 1205 | 1210 | 1213 | rBV | 31976 | 53471 | 0.14% | 0.035% |
| 21 | 10.063 | 1213 | 1220 | 1225 | rVV | 55423 | 121972 | 0.32% | 0.080% |
| 22 | 10.134 | 1225 | 1232 | 1238 | rVV | 974233 | 1596127 | 4.23% | 1.045% |
| 23 | 10.187 | 1238 | 1241 | 1247 | rVB | 41863 | 61283 | 0.16% | 0.040% |
| 24 | 10.310 | 1247 | 1262 | 1277 | rBV2 | 2096310 | 5021971 | 13.30% | 3.288% |
| 25 | 11.628 | 1480 | 1486 | 1488 | rBV2 | 23154 | 38759 | 0.10% | 0.025% |
| 26 | 12.210 | 1581 | 1585 | 1592 | rVB2 | 34493 | 58434 | 0.15% | 0.038% |
| 27 | 13.063 | 1722 | 1730 | 1735 | rBV4 | 36971 | 77780 | 0.21% | 0.051% |
| 28 | 13.269 | 1759 | 1765 | 1771 | rBV | 59858 | 102224 | 0.27% | 0.067% |
| 29 | 13.375 | 1774 | 1783 | 1791 | rVV4 | 22688 | 57393 | 0.15% | 0.038% |
| 30 | 13.463 | 1791 | 1798 | 1807 | rVB | 1827571 | 2508408 | 6.64% | 1.642% |
| 31 | 13.716 | 1834 | 1841 | 1855 | rBV2 | 1892274 | 2900990 | 7.68% | 1.899% |
| 32 | 14.034 | 1888 | 1895 | 1911 | rBV | 1500633 | 2287722 | 6.06% | 1.498% |
| 33 | 14.269 | 1931 | 1935 | 1944 | rVB | 198843 | 321556 | 0.85% | 0.211% |
| 34 | 14.604 | 1983 | 1992 | 1997 | rBV | 13434423 | 24304567 | 64.38% | 15.914% |
| 35 | 14.739 | 2007 | 2015 | 2022 | rVB | 354670 | 529063 | 1.40% | 0.346% |
| 36 | 15.039 | 2059 | 2066 | 2077 | rBV | 2540409 | 3768283 | 9.98% | 2.467% |

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100424\
Data File : BN034408.D
Acq On : 05 Oct 2024 03:12
Operator : RC/JU
Sample : P4227-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
DUP(20240926)

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_N\Methods\SFAM-EPA-BN091124.MA.M
Title : SVOA CALIBRATION

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 15.169 | 2082 | 2088 | 2100 | rBV | 941136 | 1292543 | 3.42% | 0.846% |
| 38 | 15.345 | 2114 | 2118 | 2122 | rVB2 | 48709 | 71989 | 0.19% | 0.047% |
| 39 | 15.416 | 2126 | 2130 | 2136 | rVB | 40981 | 59480 | 0.16% | 0.039% |
| 40 | 15.698 | 2174 | 2178 | 2181 | rBV | 24830 | 38057 | 0.10% | 0.025% |
| 41 | 15.863 | 2203 | 2206 | 2214 | rVB | 24281 | 40760 | 0.11% | 0.027% |
| 42 | 16.451 | 2302 | 2306 | 2316 | rVB2 | 25957 | 54937 | 0.15% | 0.036% |
| 43 | 16.792 | 2358 | 2364 | 2371 | rBV | 1906251 | 2682676 | 7.11% | 1.757% |
| 44 | 16.886 | 2374 | 2380 | 2395 | rVB | 2897785 | 4243524 | 11.24% | 2.778% |
| 45 | 17.175 | 2425 | 2429 | 2439 | rVB | 75432 | 127026 | 0.34% | 0.083% |
| 46 | 17.316 | 2449 | 2453 | 2459 | rVB | 78343 | 109743 | 0.29% | 0.072% |
| 47 | 17.722 | 2518 | 2522 | 2529 | rBV2 | 180303 | 294722 | 0.78% | 0.193% |
| 48 | 18.757 | 2695 | 2698 | 2703 | rVB | 46149 | 57213 | 0.15% | 0.037% |
| 49 | 18.827 | 2707 | 2710 | 2714 | rVV | 43557 | 52899 | 0.14% | 0.035% |
| 50 | 19.022 | 2739 | 2743 | 2752 | rBV2 | 131191 | 215043 | 0.57% | 0.141% |
| 51 | 19.198 | 2767 | 2773 | 2781 | rBV2 | 3893986 | 5335558 | 14.13% | 3.493% |
| 52 | 21.022 | 3078 | 3083 | 3093 | rBV | 2457032 | 3275058 | 8.68% | 2.144% |
| 53 | 23.545 | 3503 | 3512 | 3525 | rBV | 2435469 | 5492914 | 14.55% | 3.597% |
| 54 | 23.727 | 3535 | 3543 | 3560 | rVB | 1558262 | 3527238 | 9.34% | 2.309% |

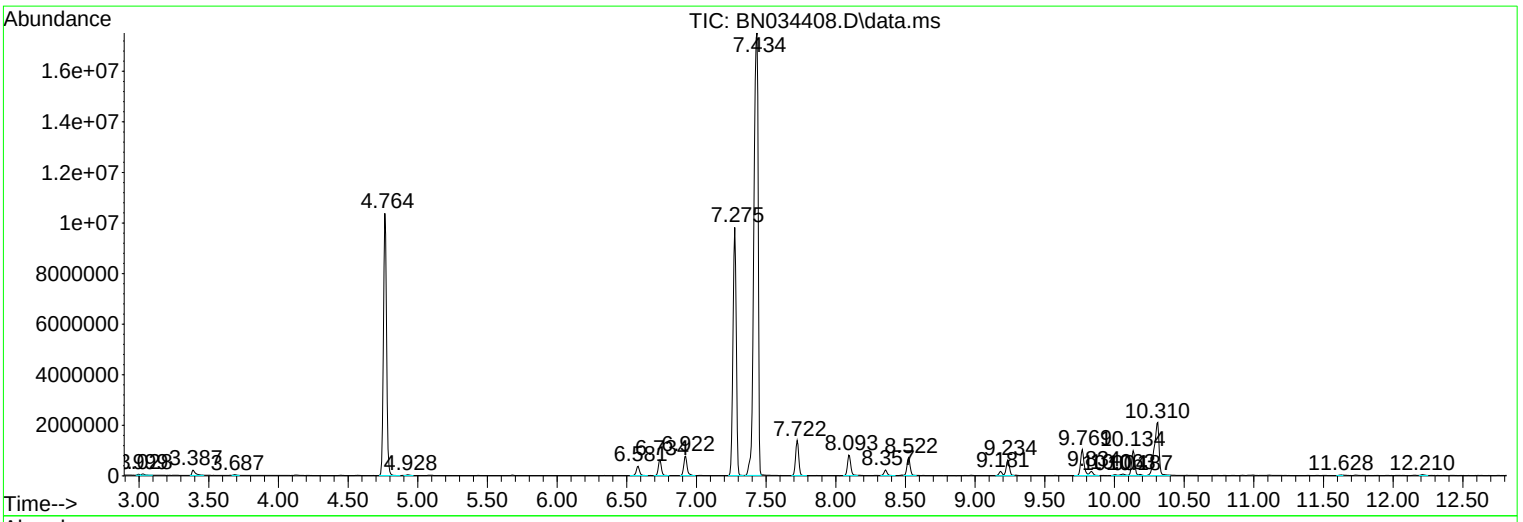
Sum of corrected areas: 152728344

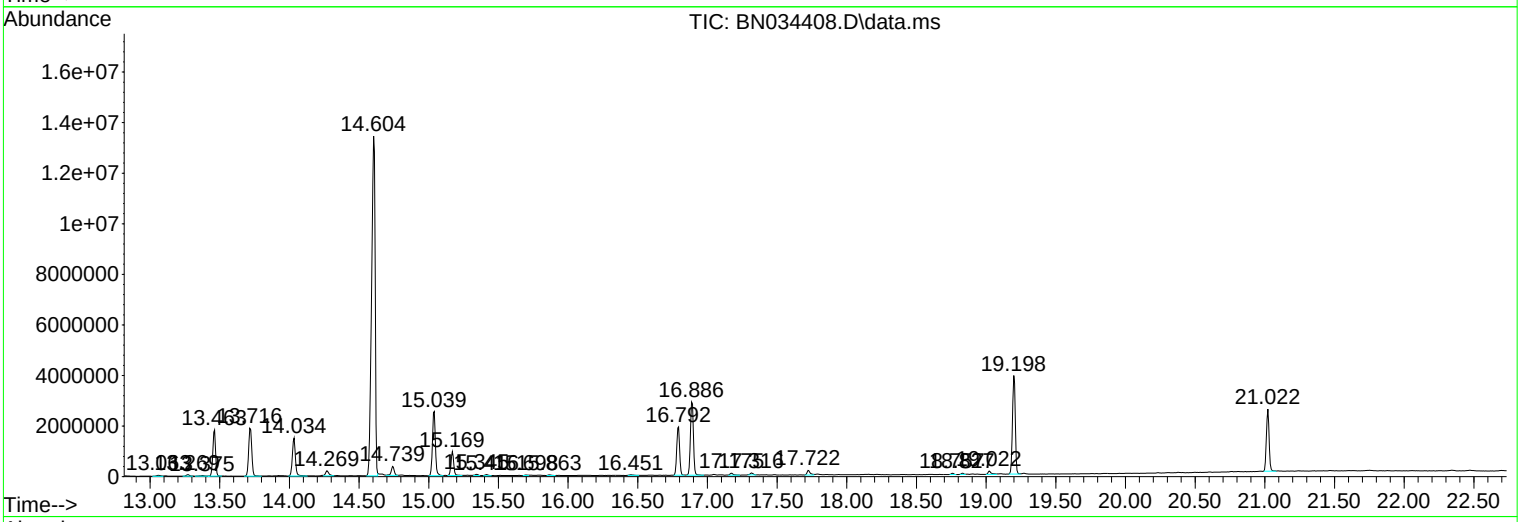
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100424\
Data File : BN034408.D
Acq On : 05 Oct 2024 03:12
Operator : RC/JU
Sample : P4227-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

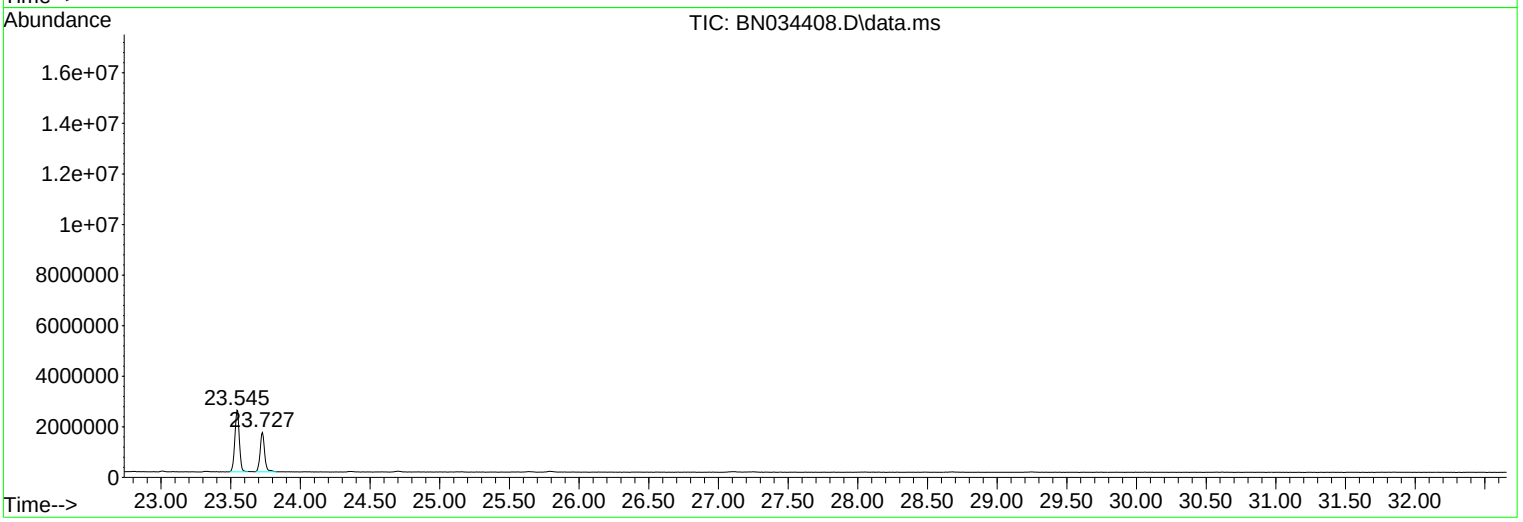
**Instrument :**
BNA_N
**ClientSampleId :**
DUP(20240926)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN091124.MA.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100424\
Data File : BN034408.D
Acq On : 05 Oct 2024 03:12
Operator : RC/JU
Sample : P4227-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
DUP(20240926)

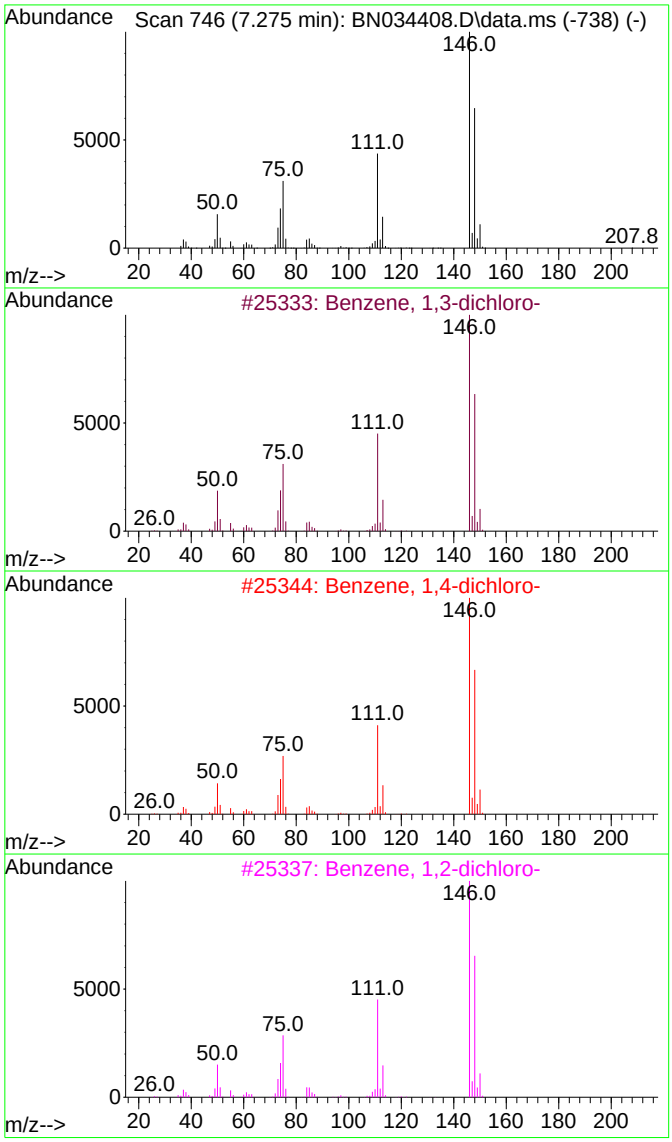
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN091124.MA.M
Quant Title : SVOA CALIBRATION

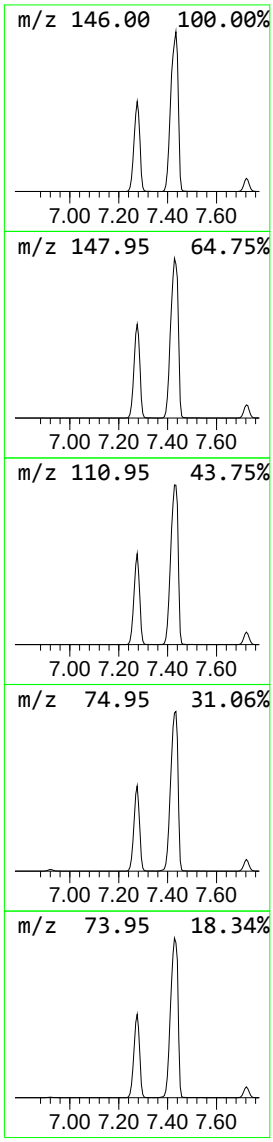
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 Benzene, 1,3-dichloro- Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 7.275 | 8.52 ng/ul | 16085000 | 1,4-Dichlorobenzene-d4 | 7.387 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 98 |
| 2 | Benzene, 1,4-dichloro- | 146 | C6H4Cl2 | 000106-46-7 | 98 |
| 3 | Benzene, 1,2-dichloro- | 146 | C6H4Cl2 | 000095-50-1 | 98 |
| 4 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 97 |
| 5 | Benzene, 1,3-dichloro- | 146 | C6H4Cl2 | 000541-73-1 | 96 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100424\
Data File : BN034408.D
Acq On : 05 Oct 2024 03:12
Operator : RC/JU
Sample : P4227-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
DUP(20240926)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN091124.MA.M
Quant Title : SVOA CALIBRATION

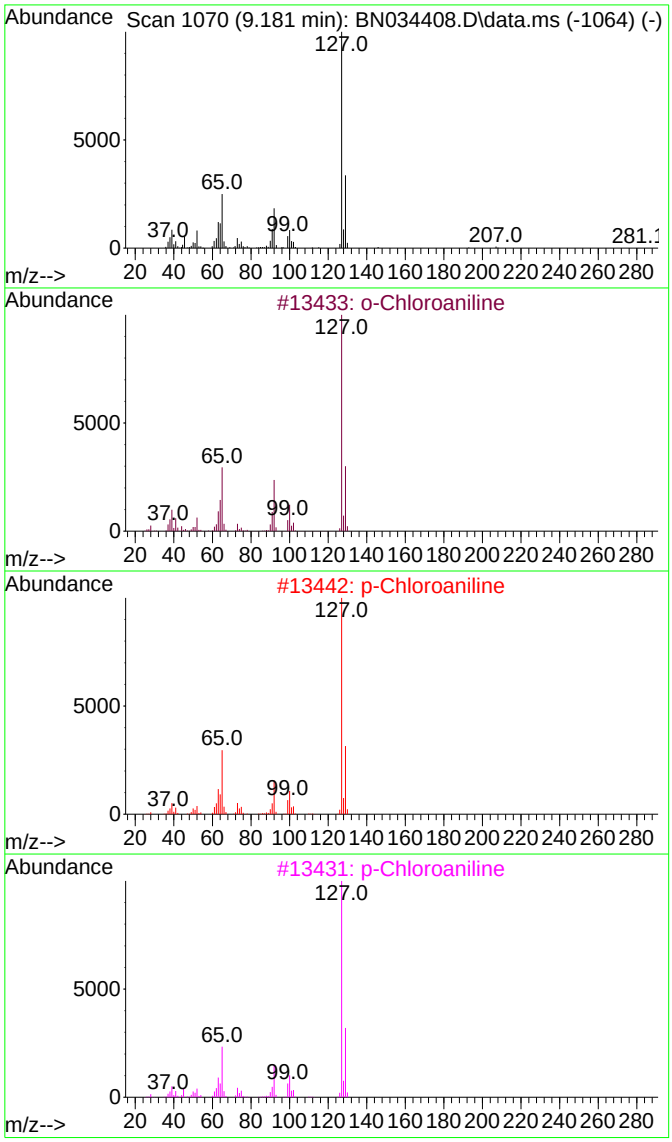
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

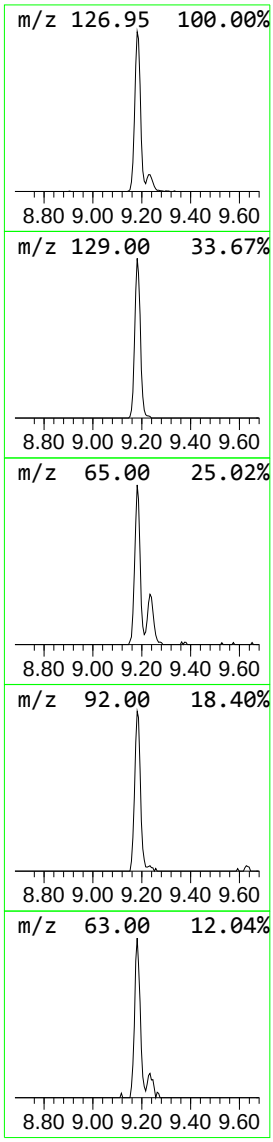
**********

Peak Number 3 o-Chloroaniline Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.181 | 3.34 ng/ul | 266557 | Naphthalene-d8 | 10.134 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | o-Chloroaniline | 127 | C6H6ClN | 000095-51-2 | 97 |
| 2 | p-Chloroaniline | 127 | C6H6ClN | 000106-47-8 | 97 |
| 3 | p-Chloroaniline | 127 | C6H6ClN | 000106-47-8 | 97 |
| 4 | o-Chloroaniline | 127 | C6H6ClN | 000095-51-2 | 96 |
| 5 | o-Chloroaniline | 127 | C6H6ClN | 000095-51-2 | 96 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100424\
Data File : BN034408.D
Acq On : 05 Oct 2024 03:12
Operator : RC/JU
Sample : P4227-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
DUP(20240926)

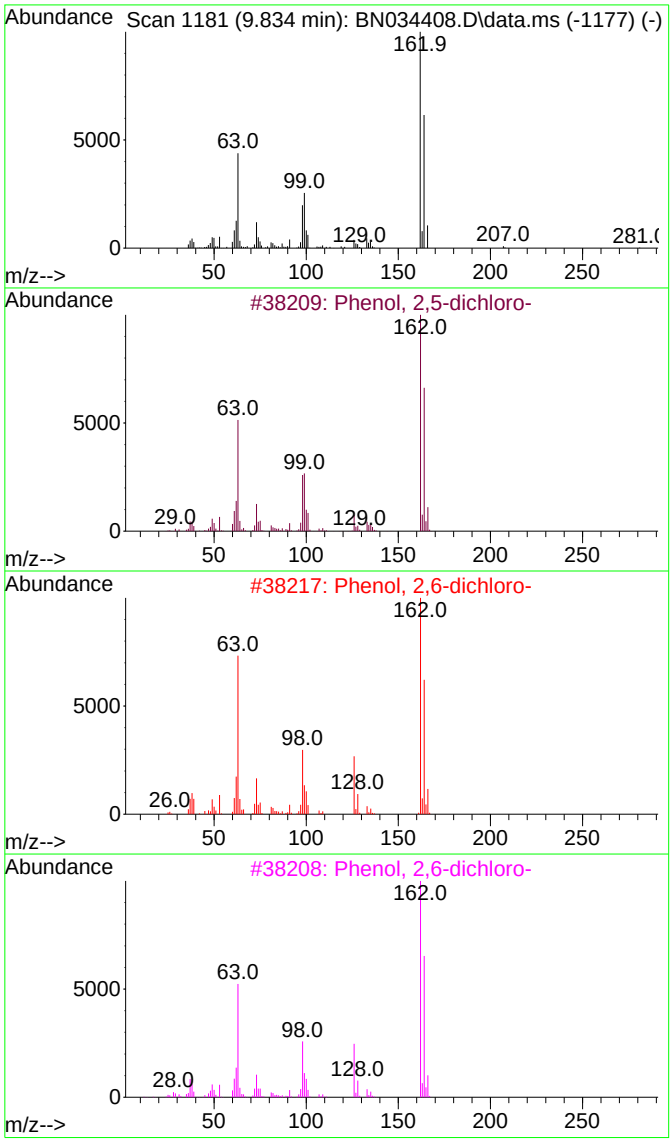
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN091124.MA.M
Quant Title : SVOA CALIBRATION

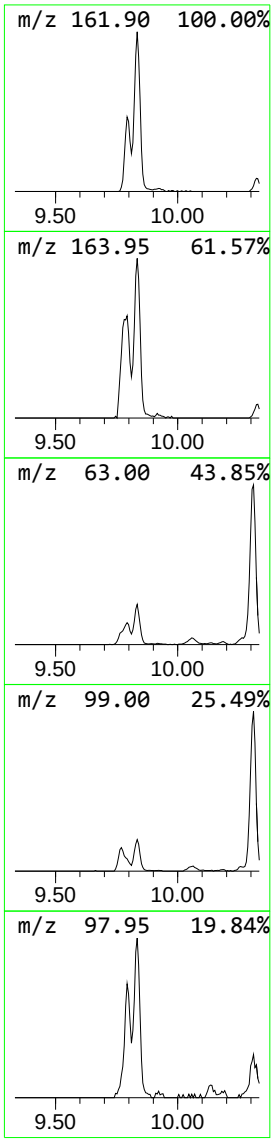
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 Phenol, 2,5-dichloro- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 9.834 | 3.53 ng/ul | 281638 | Naphthalene-d8 | 10.134 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Phenol, 2,5-dichloro- | 162 | C6H4Cl2O | 000583-78-8 | 98 |
| 2 | Phenol, 2,6-dichloro- | 162 | C6H4Cl2O | 000087-65-0 | 94 |
| 3 | Phenol, 2,6-dichloro- | 162 | C6H4Cl2O | 000087-65-0 | 94 |
| 4 | Phenol, 2,6-dichloro- | 162 | C6H4Cl2O | 000087-65-0 | 94 |
| 5 | Phenol, 2,4-dichloro- | 162 | C6H4Cl2O | 000120-83-2 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100424\
Data File : BN034408.D
Acq On : 05 Oct 2024 03:12
Operator : RC/JU
Sample : P4227-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
DUP(20240926)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN091124.MA.M
Quant Title : SVOA CALIBRATION

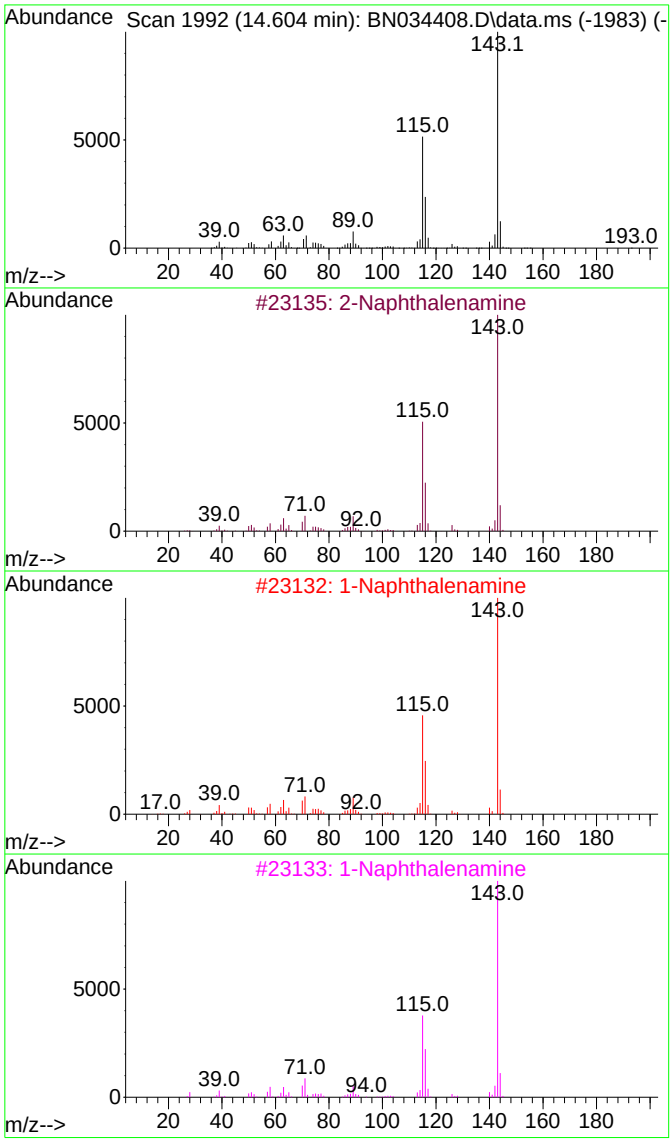
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

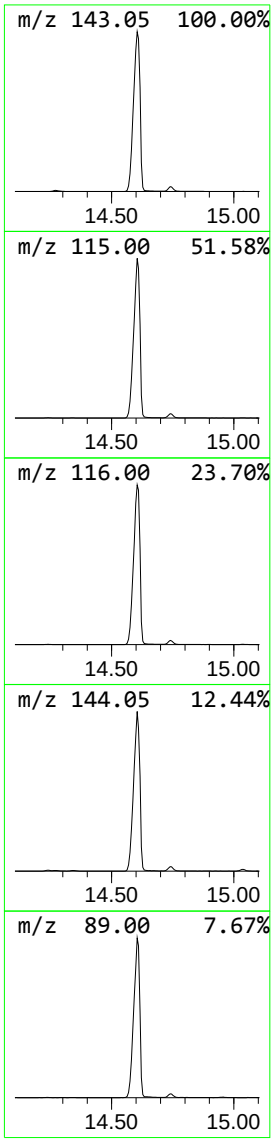
**********

Peak Number 5 2-Naphthalenamine Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.604 | 212.48 ng/ul | 24304600 | Acenaphthene-d10 | 14.034 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Naphthalenamine | 143 | C10H9N | 000091-59-8 | 97 |
| 2 | 1-Naphthalenamine | 143 | C10H9N | 000134-32-7 | 97 |
| 3 | 1-Naphthalenamine | 143 | C10H9N | 000134-32-7 | 97 |
| 4 | 2-Naphthalenamine | 143 | C10H9N | 000091-59-8 | 95 |
| 5 | 1-Naphthalenamine | 143 | C10H9N | 000134-32-7 | 94 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100424\
Data File : BN034408.D
Acq On : 05 Oct 2024 03:12
Operator : RC/JU
Sample : P4227-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
DUP(20240926)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN091124.MA.M
Quant Title : SVOA CALIBRATION

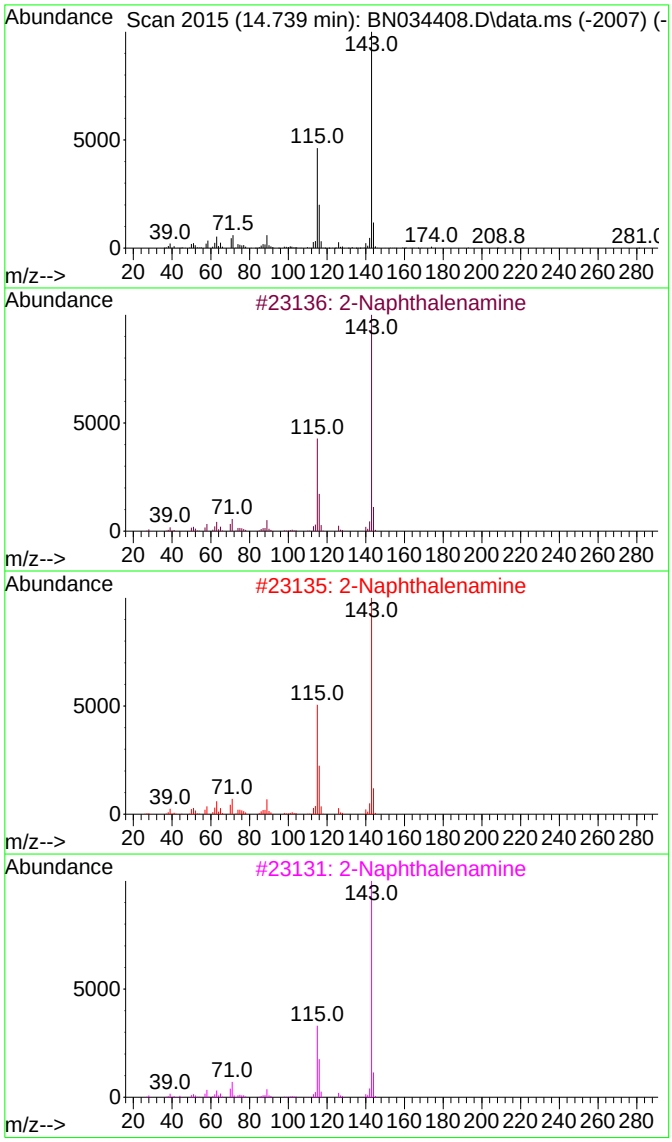
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

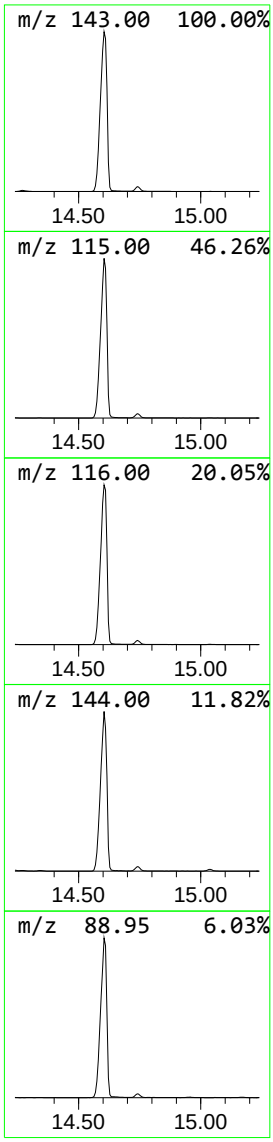
**********

Peak Number 6 1-Naphthalenamine Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.740 | 4.63 ng/ul | 529063 | Acenaphthene-d10 | 14.034 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 2-Naphthalenamine | 143 | C10H9N | 000091-59-8 | 97 |
| 2 | 2-Naphthalenamine | 143 | C10H9N | 000091-59-8 | 96 |
| 3 | 2-Naphthalenamine | 143 | C10H9N | 000091-59-8 | 95 |
| 4 | 1-Naphthalenamine | 143 | C10H9N | 000134-32-7 | 95 |
| 5 | 1-Naphthalenamine | 143 | C10H9N | 000134-32-7 | 91 |



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100424\
Data File : BN034408.D
Acq On : 05 Oct 2024 03:12
Operator : RC/JU
Sample : P4227-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
DUP(20240926)

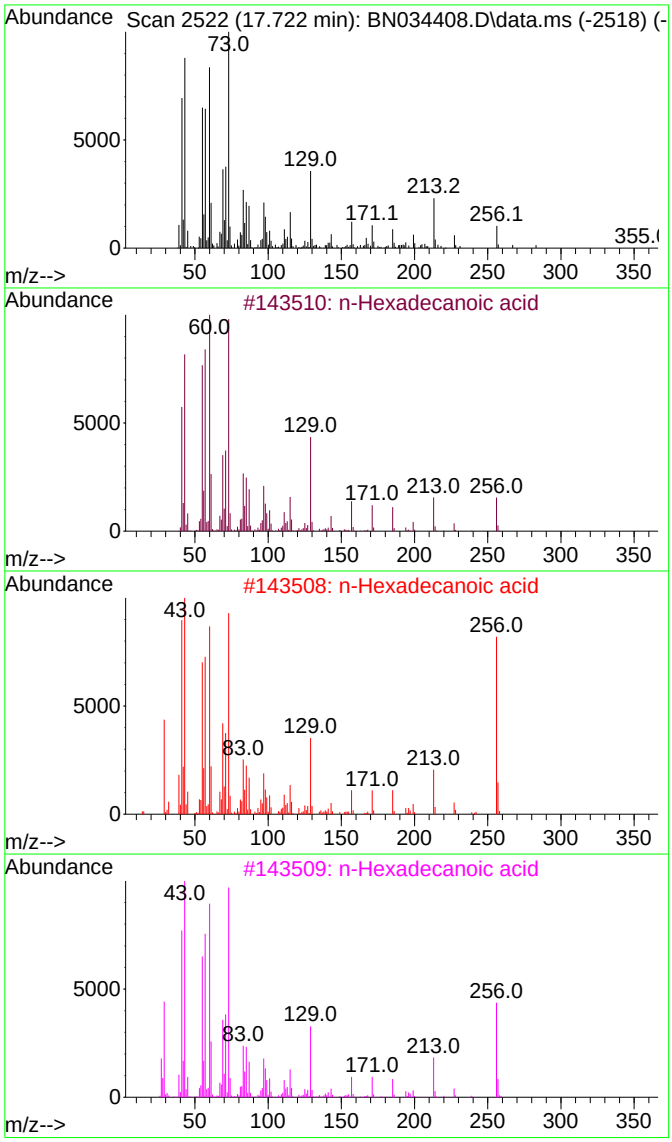
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN091124.MA.M
Quant Title : SVOA CALIBRATION

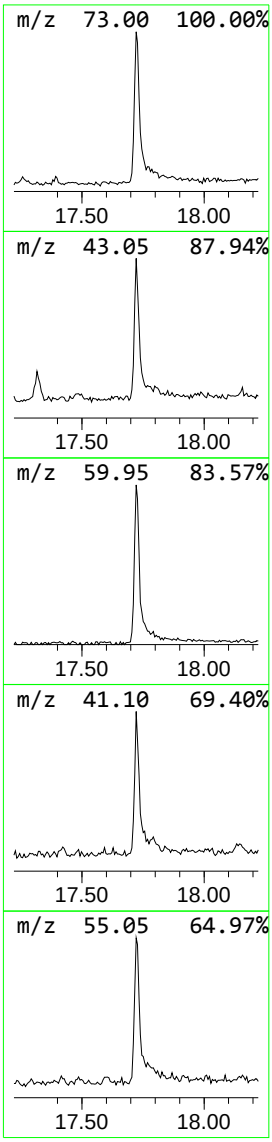
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 n-Hexadecanoic acid Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 17.722 | 2.20 ng/ul | 294722 | Phenanthrene-d10 | 16.792 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 99 |
| 2 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 3 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 98 |
| 4 | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 96 |
| 5 | Tridecanoic acid | 214 | C13H26O2 | 000638-53-9 | 93 |



Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100424\
Data File : BN034408.D
Acq On : 05 Oct 2024 03:12
Operator : RC/JU
Sample : P4227-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
DUP(20240926)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN091124.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 |
| Benzene, 1,3-di... | 7.275 | 8.5 | ng/ul | 16085000 | 1 | 7.387 | 37750400 | 20.0 |
| o-Chloroaniline | 9.181 | 3.3 | ng/ul | 266557 | 2 | 10.134 | 1596130 | 20.0 |
| Phenol, 2,5-dic... | 9.834 | 3.5 | ng/ul | 281638 | 2 | 10.134 | 1596130 | 20.0 |
| 2-Naphthalenamine | 14.604 | 212.5 | ng/ul | 24304600 | 3 | 14.034 | 2287720 | 20.0 |
| 1-Naphthalenamine | 14.740 | 4.6 | ng/ul | 529063 | 3 | 14.034 | 2287720 | 20.0 |
| n-Hexadecanoic ... | 17.722 | 2.2 | ng/ul | 294722 | 4 | 16.792 | 2682680 | 20.0 |