Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101320\
Data File : BN012165.D
Acq On : 13 Oct 2020 18:12
Operator : CG/JU
Sample : L4359-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** CB7Q1

Quant Time: Oct 13 18:44:00 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100920.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 13 11:24:33 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.63 | 152 | 261791 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.40 | 136 | 1055212 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.27 | 164 | 678328 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.02 | 188 | 1432873 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.23 | 240 | 1476303 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.42 | 264 | 1464726 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.17 | 96 | 38277 | 6.46 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.81 | 99 | 111512 | 4.94 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.97 | 67 | 259242 | 18.84 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.16 | 132 | 300385 | 16.67 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.33 | 113 | 203035 | 11.11 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.78 | 128 | 165185 | 19.27 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.49 | 143 | 190785 | 19.97 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.03 | 165 | 338672 | 19.03 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.55 | 131 | 410782 | 18.52 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.69 | 166 | 1232640 | 22.19 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.96 | 160 | 1387252 | 21.09 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.49 | 143 | 41514 | 4.01 | ng/ul | 0.01 |
| 58) Fluorene-d10 | 15.27 | 176 | 964555 | 20.14 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.39 | 200 | 122389 | 12.89 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.12 | 188 | 1716290 | 24.47 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.42 | 212 | 1928508 | 25.03 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.29 | 264 | 1982123 | 23.98 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.20 | 88 | 38989 | 5.817 | ng/uL | 93 |
| 28) Naphthalene | 10.45 | 128 | 1090566 | 17.642 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.07 | 142 | 183585 | 4.321 | ng/ul | 92 |
| 45) Dimethylphthalate | 13.73 | 163 | 155809 | 2.688 | ng/ul | 97 |
| 50) Acenaphthene | 14.34 | 153 | 621662 | 12.873 | ng/ul | 98 |
| 54) Dibenzofuran | 14.67 | 168 | 414870 | 6.170 | ng/ul | 96 |
| 59) Fluorene | 15.33 | 166 | 479960 | 8.486 | ng/ul | 96 |
| 70) Phenanthrene | 17.06 | 178 | 1234513 | 14.117 | ng/ul | 98 |
| 72) Anthracene | 17.15 | 178 | 179452 | 2.015 | ng/ul | 96 |
| 75) Carbazole | 17.43 | 167 | 910244 | 12.010 | ng/ul | 98 |
| 77) Fluoranthene | 19.09 | 202 | 257603 | 2.601 | ng/ul | 97 |
| 80) Pyrene | 19.45 | 202 | 156865 | 1.490 | ng/ul | 95 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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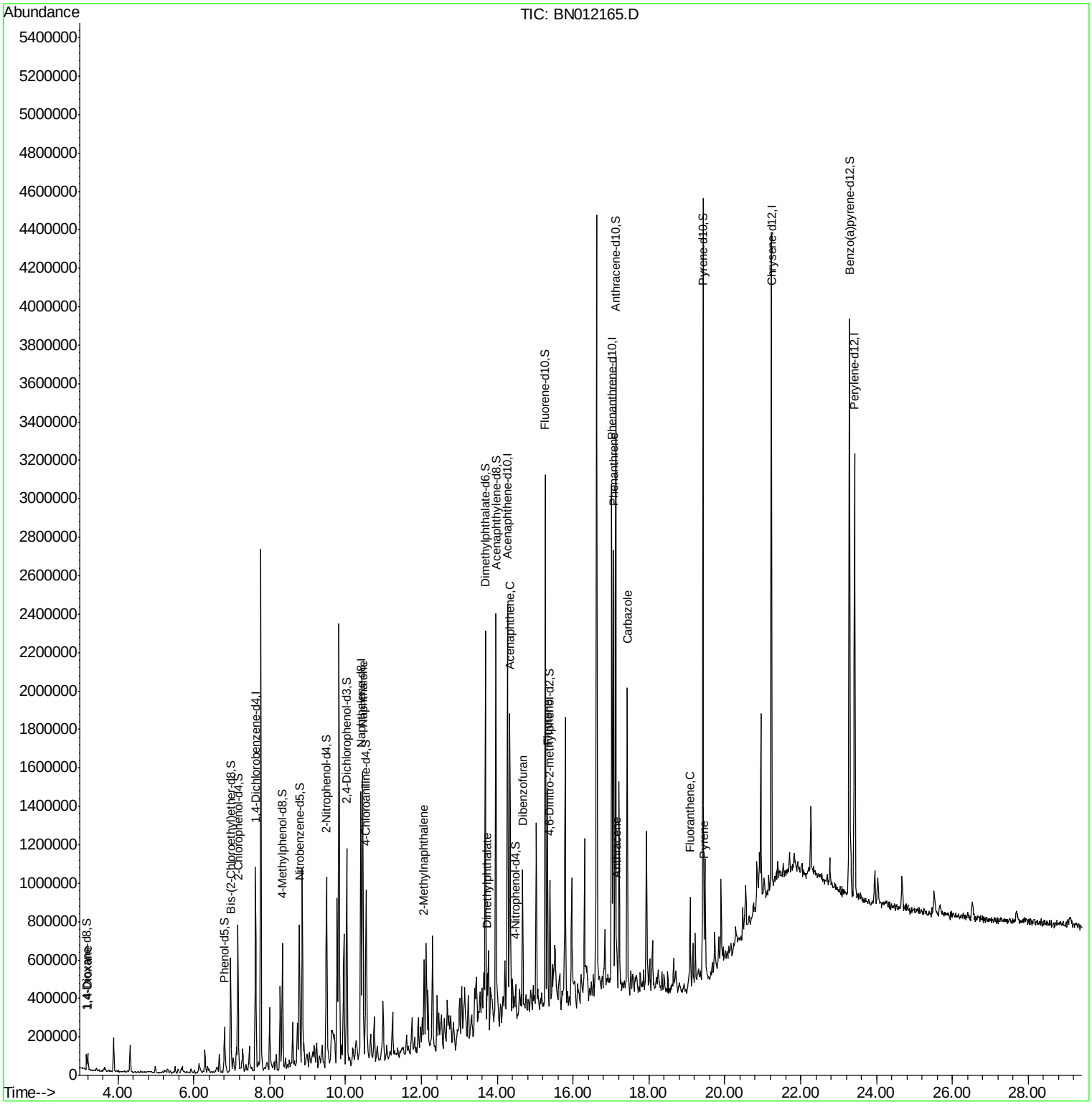
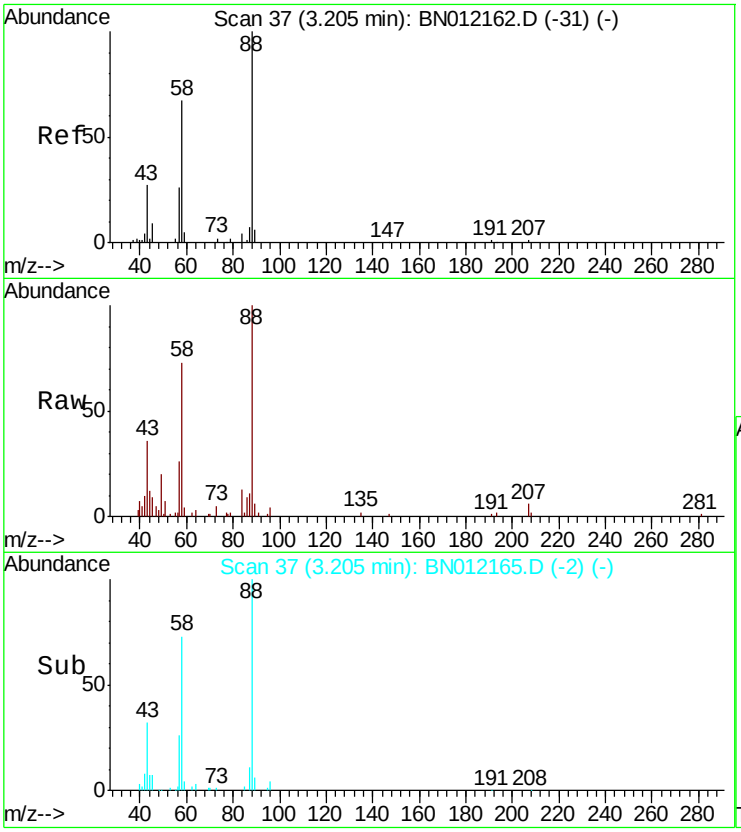
Data File : BN012165.D
Acq On : 13 Oct 2020 18:12
Operator : CG/JU
Sample : L4359-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** CB7Q1

Quant Time: Oct 13 18:44:00 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN100920.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 13 11:24:33 2020
Response via : Initial Calibration



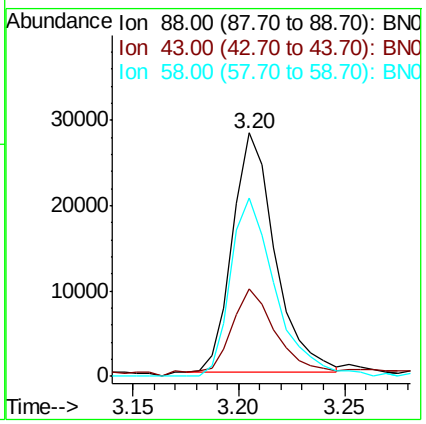


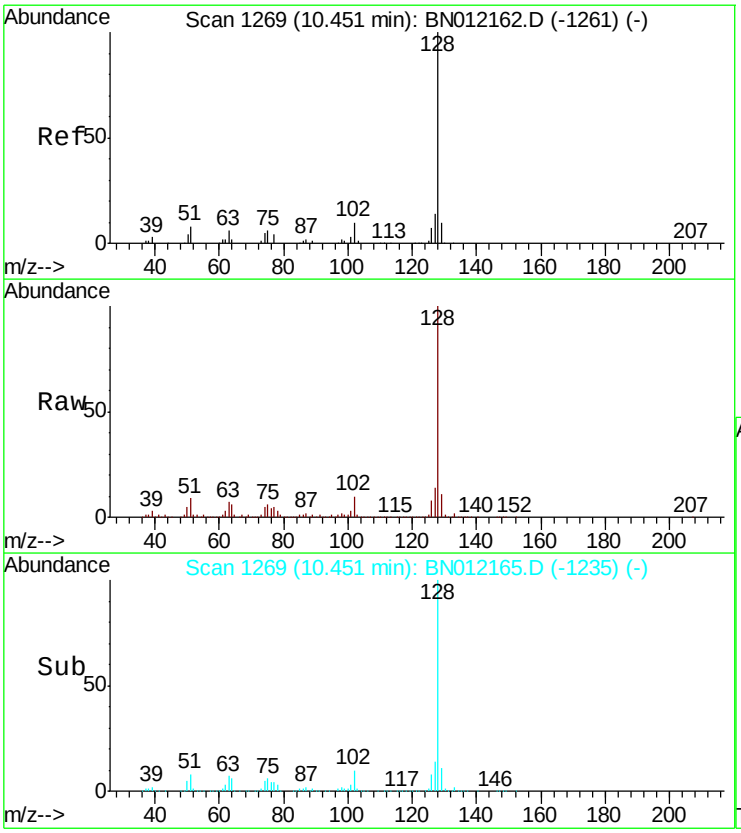

#2
1,4-Dioxane
Concen: 5.817 ng/uL
RT: 3.20 min Scan# 37
Delta R.T. 0.01 min
Lab File: BN012165.D
Acq: 13 Oct 2020 18:12

**Instrument :**
BNA_N
**ClientSampleId :**
CB7Q1

Tgt Ion: 88 Resp: 38989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 35.8 | 25.3 | 37.9 |
| 58 | 73.1 | 54.3 | 81.5 |

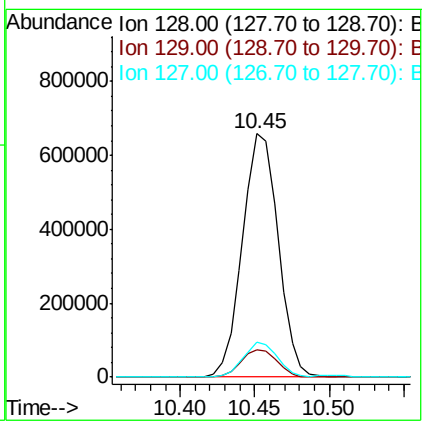


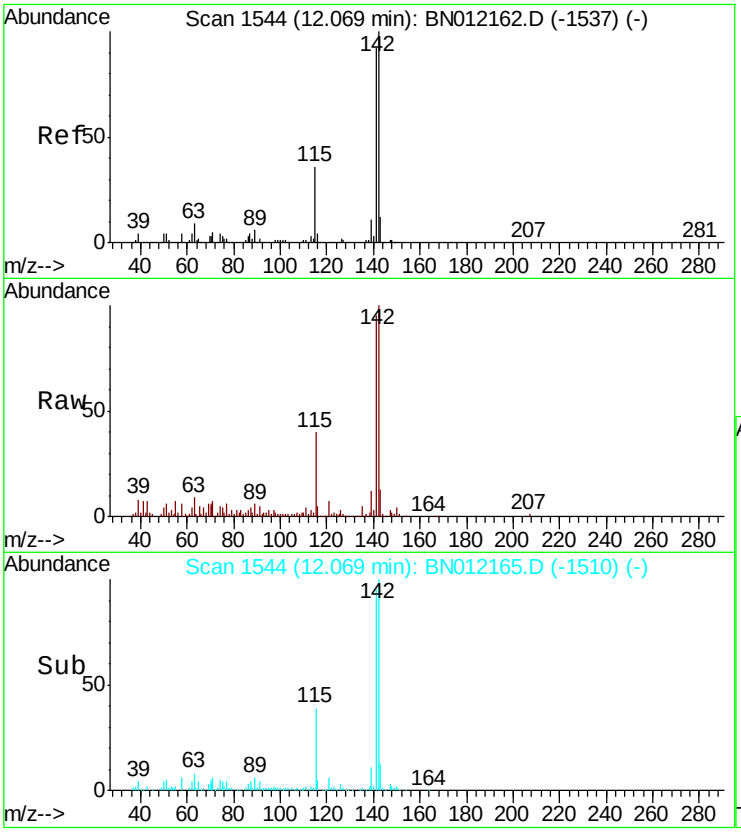




#28
Naphthalene
Concen: 17.642 ng/ul
RT: 10.45 min Scan# 1269
Delta R.T. -0.00 min
Lab File: BN012165.D
Acq: 13 Oct 2020 18:12

Tgt Ion:128 Resp: 1090566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 8.6 | 12.8 |
| 127 | 14.4 | 11.2 | 16.8 |



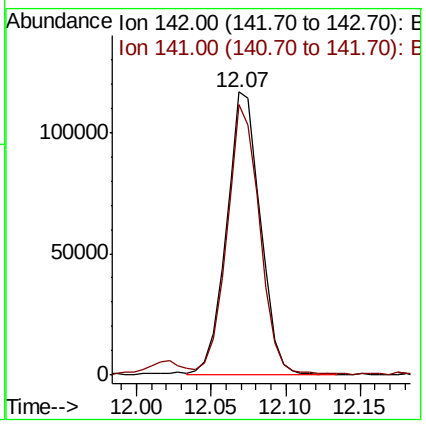


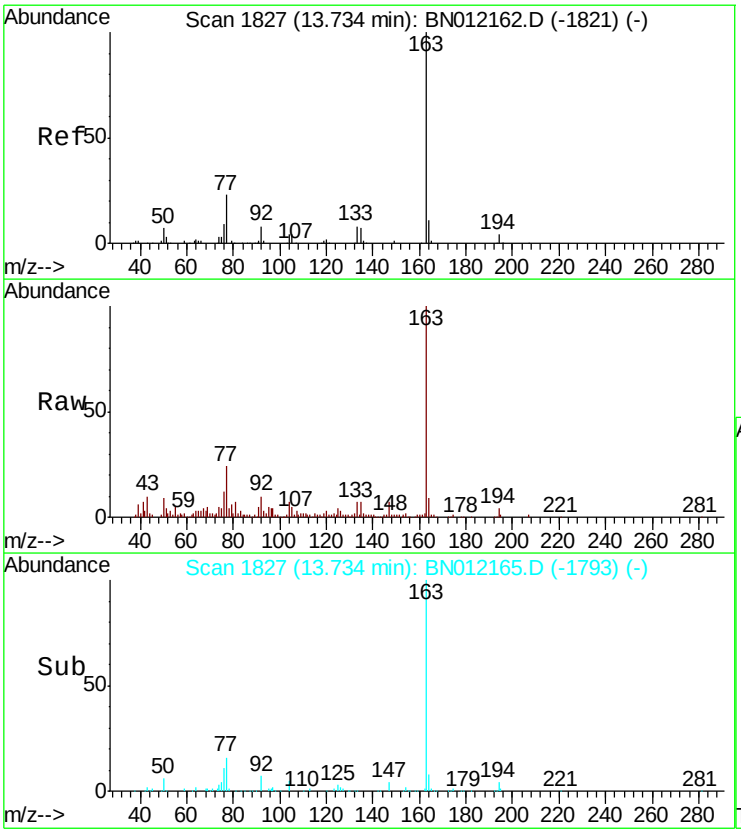

#34
2-Methylnaphthalene
Concen: 4.321 ng/ul
RT: 12.07 min Scan# 1544
Delta R.T. -0.00 min
Lab File: BN012165.D
Acq: 13 Oct 2020 18:12

**Instrument :**
BNA_N
**ClientSampleId :**
CB7Q1

Tgt Ion:142 Resp: 183585

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 95.4 | 70.2 | 105.4 |

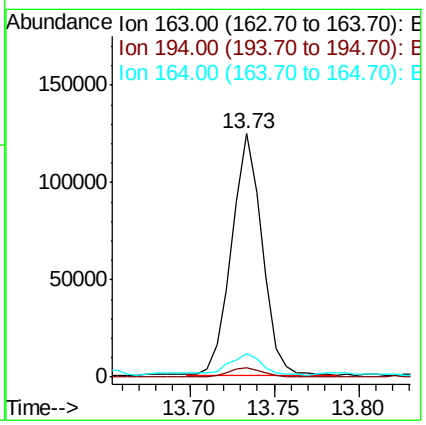


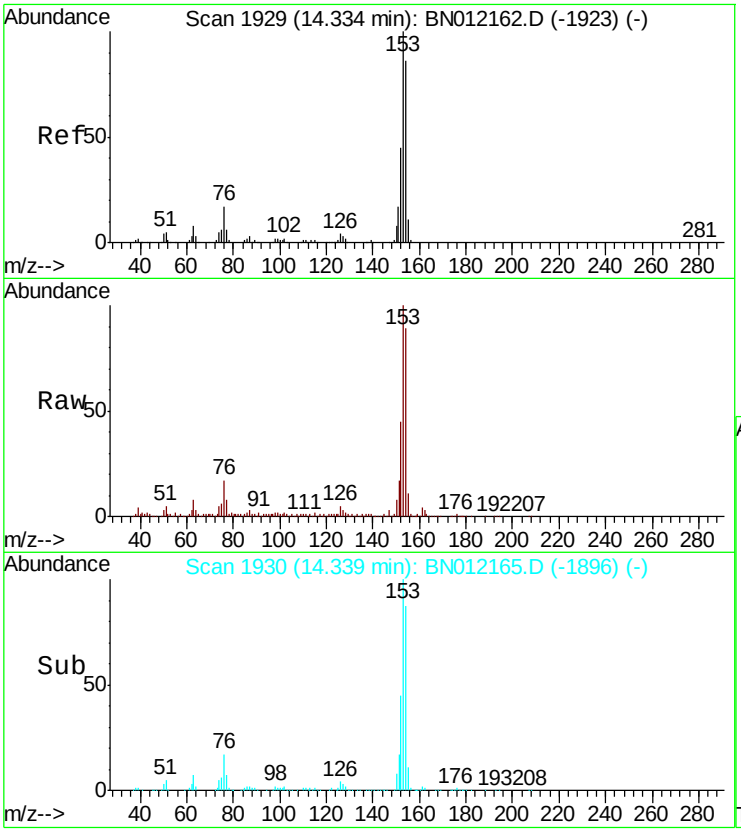




#45
Dimethylphthalate
Concen: 2.688 ng/ul
RT: 13.73 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BN012165.D
Acq: 13 Oct 2020 18:12

Tgt Ion:163 Resp: 155809

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.1 | 3.7 | 5.5 |
| 164 | 9.5 | 8.6 | 12.8 |



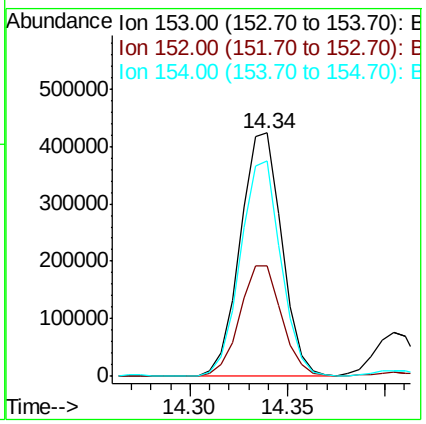


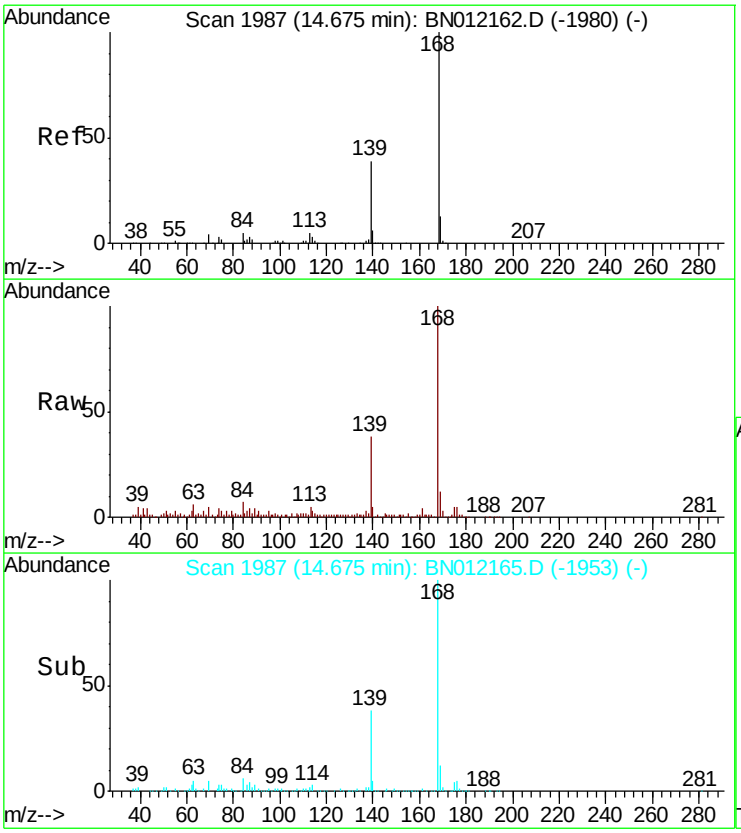

#50
Acenaphthene
Concen: 12.873 ng/ul
RT: 14.34 min Scan# 1930
Delta R.T. -0.00 min
Lab File: BN012165.D
Acq: 13 Oct 2020 18:12

**Instrument :**
BNA_N
**ClientSampleId :**
CB7Q1

Tgt Ion:153 Resp: 621662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 45.4 | 37.8 | 56.6 |
| 154 | 88.7 | 71.8 | 107.6 |

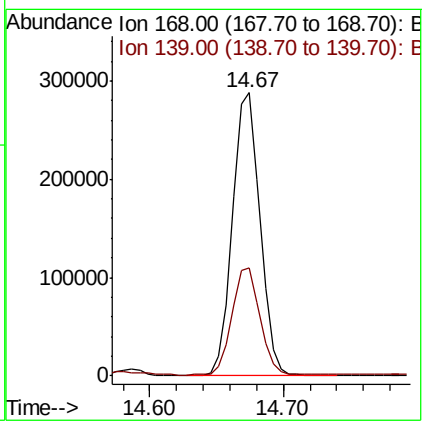


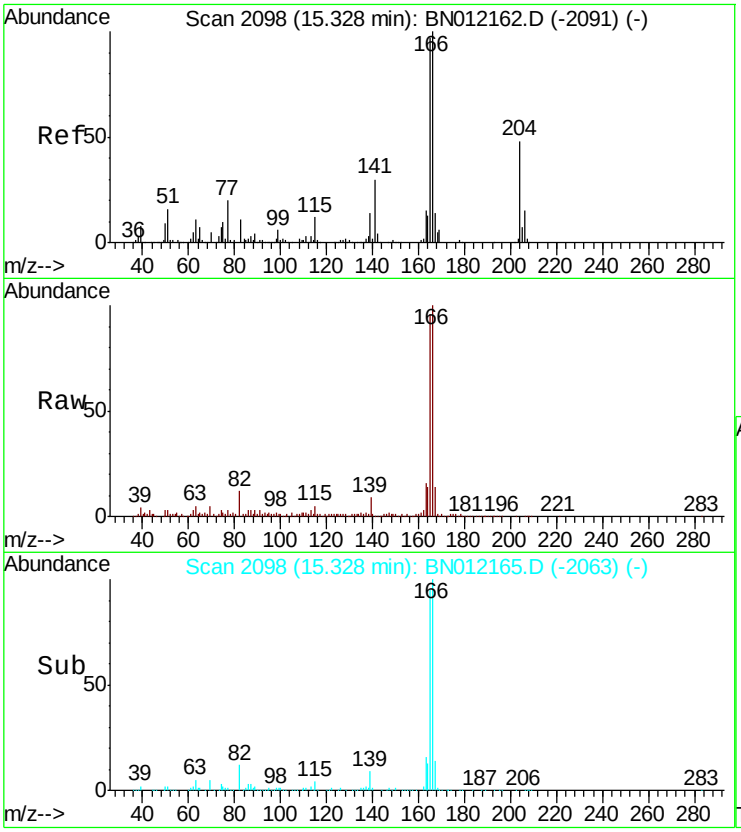




#54
Dibenzofuran
Concen: 6.170 ng/ul
RT: 14.67 min Scan# 1987
Delta R.T. -0.00 min
Lab File: BN012165.D
Acq: 13 Oct 2020 18:12

Tgt Ion:168 Resp: 414870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.0 | 32.2 | 48.4 |



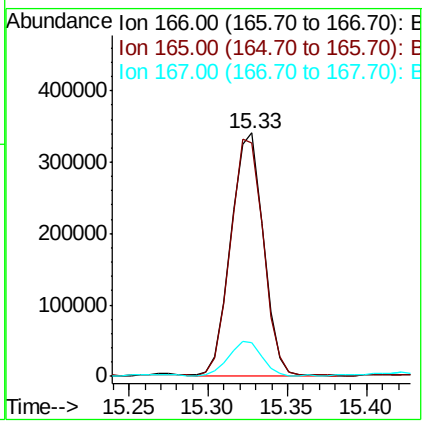


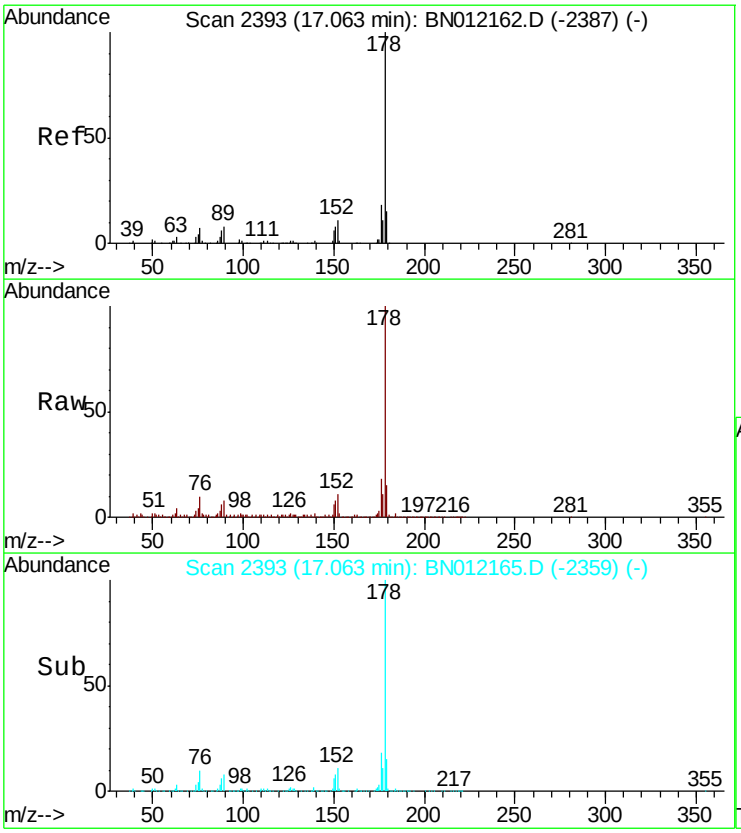

#59
Fluorene
Concen: 8.486 ng/ul
RT: 15.33 min Scan# 2098
Delta R.T. 0.01 min
Lab File: BN012165.D
Acq: 13 Oct 2020 18:12

**Instrument :**
BNA_N
**ClientSampleId :**
CB7Q1

Tgt Ion:166 Resp: 479960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 95.6 | 79.4 | 119.2 |
| 167 | 13.9 | 10.4 | 15.6 |

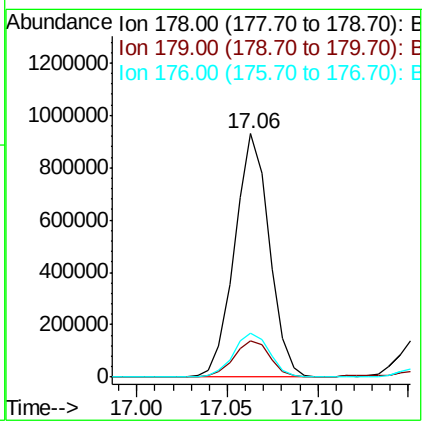


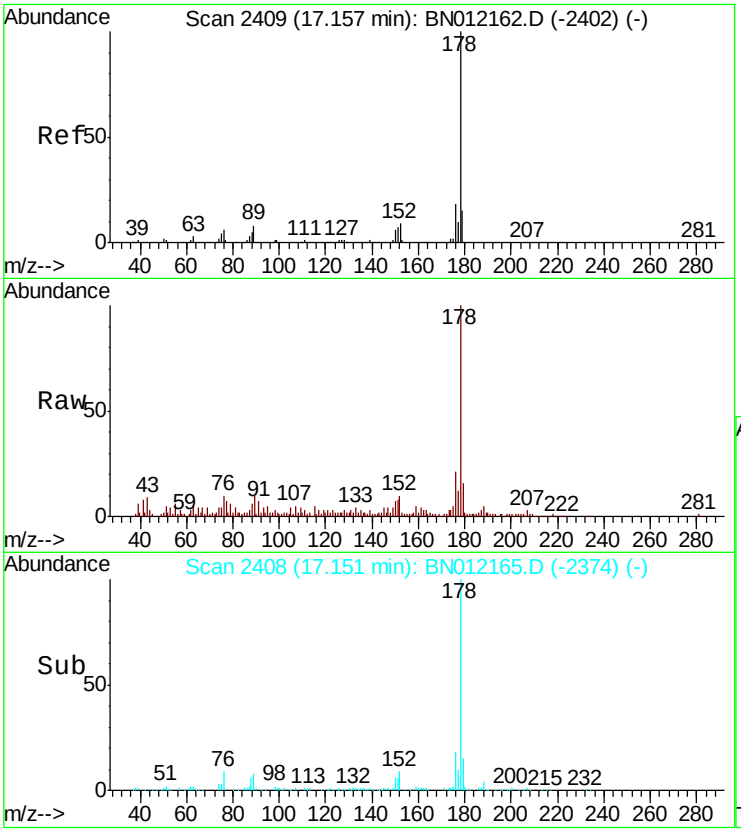




#70
Phenanthrene
Concen: 14.117 ng/ul
RT: 17.06 min Scan# 2393
Delta R.T. -0.00 min
Lab File: BN012165.D
Acq: 13 Oct 2020 18:12

Tgt Ion:178 Resp: 1234513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.0 | 11.1 | 16.7 |
| 176 | 18.0 | 15.1 | 22.7 |



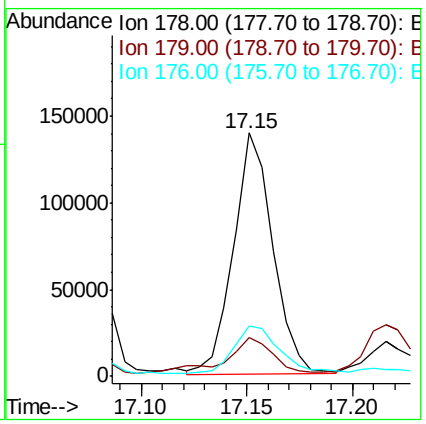


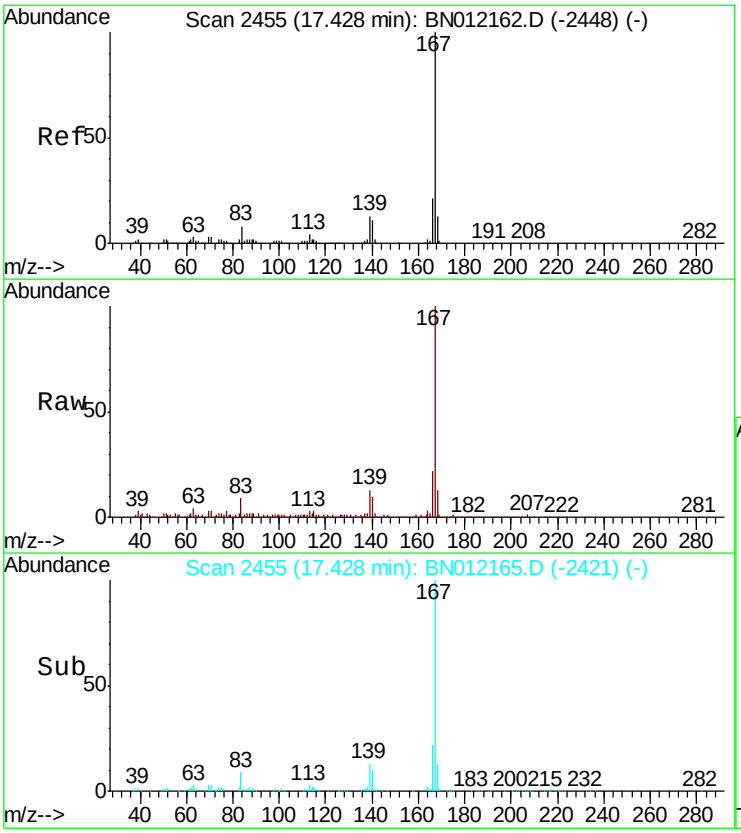

#72
Anthracene
Concen: 2.015 ng/ul
RT: 17.15 min Scan# 2408
Delta R.T. -0.00 min
Lab File: BN012165.D
Acq: 13 Oct 2020 18:12

**Instrument :**
BNA_N
**ClientSampleId :**
CB7Q1

Tgt Ion:178 Resp: 179452

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.7 | 12.2 | 18.4 |
| 176 | 20.5 | 14.2 | 21.2 |

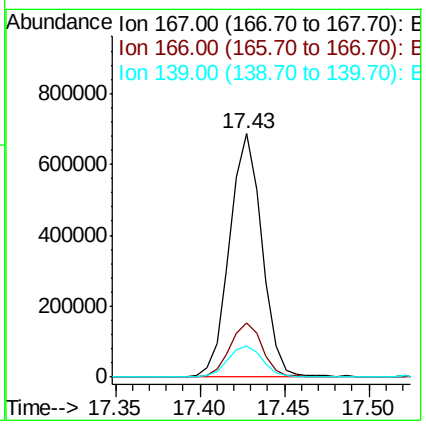


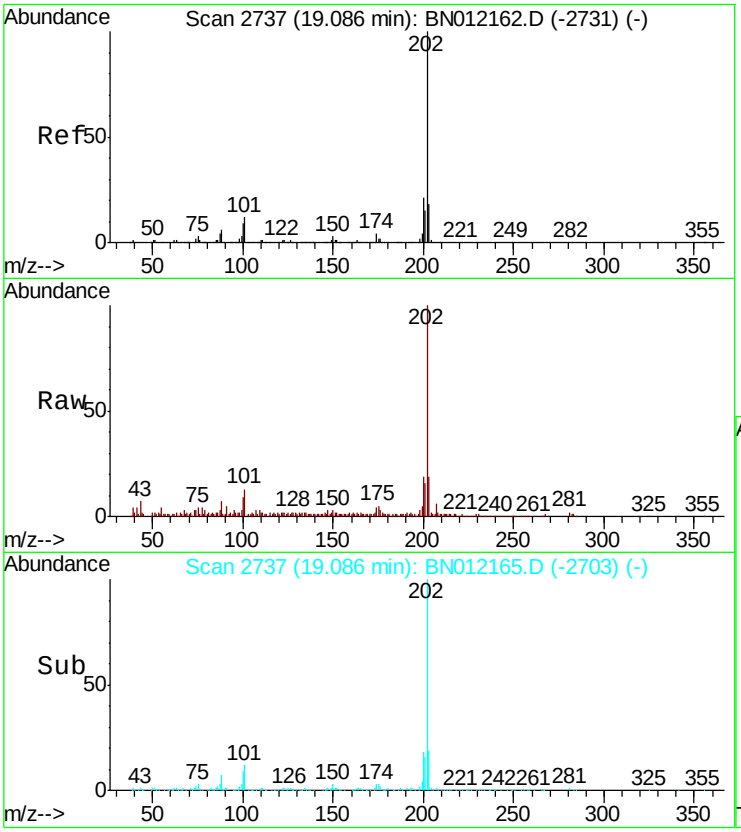




#75
Carbazole
Concen: 12.010 ng/ul
RT: 17.43 min Scan# 2455
Delta R.T. -0.00 min
Lab File: BN012165.D
Acq: 13 Oct 2020 18:12

Tgt Ion:167 Resp: 910244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.2 | 17.0 | 25.6 |
| 139 | 13.0 | 11.1 | 16.7 |



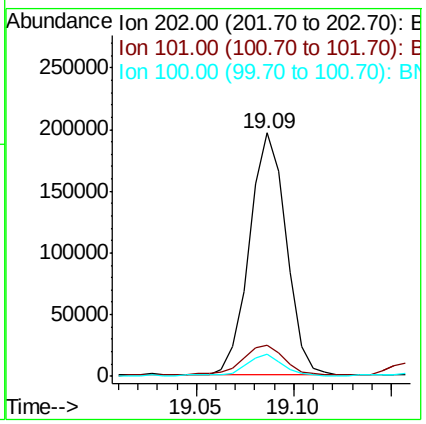


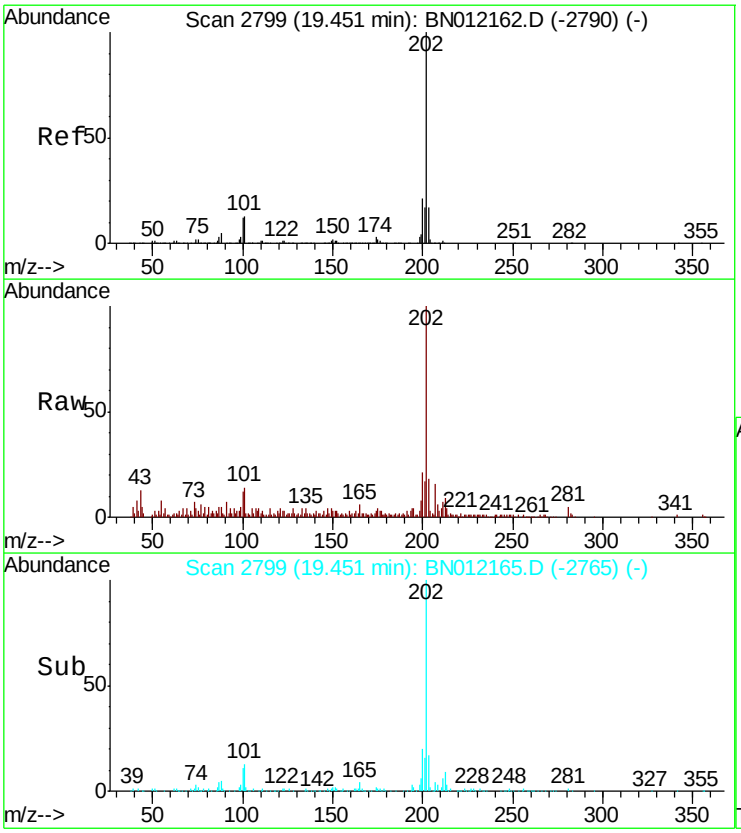

#77
Fluoranthene
Concen: 2.601 ng/ul
RT: 19.09 min Scan# 2737
Delta R.T. -0.00 min
Lab File: BN012165.D
Acq: 13 Oct 2020 18:12

**Instrument :**
BNA_N
**ClientSampleId :**
CB7Q1

Tgt Ion:202 Resp: 257603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.6 | 8.8 | 13.2 |
| 100 | 9.3 | 7.0 | 10.4 |




#80
Pyrene
Concen: 1.490 ng/ul
RT: 19.45 min Scan# 2799
Delta R.T. -0.00 min
Lab File: BN012165.D
Acq: 13 Oct 2020 18:12

Tgt Ion:202 Resp: 156865

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.2 | 9.6 | 14.4 |
| 100 | 11.6 | 8.2 | 12.4 |