Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102021\
Data File : BN017014.D
Acq On : 20 Oct 2021 10:44
Operator : CG/JU
Sample : M3263-02
Misc : SFAM-SIM-MDL-WATER-02
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** MDL-WATER-QT4-2021-08

Quant Time: Oct 20 11:20:45 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN101921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 20 10:49:43 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.548 | 152 | 3126 | 0.40 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 10.321 | 136 | 11508 | 0.40 | ng/ul | 0.00 |
| 9) Acenaphthene-d10 | 14.197 | 164 | 6628 | 0.40 | ng/ul | 0.00 |
| 13) Phenanthrene-d10 | 16.952 | 188 | 14208 | 0.40 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.164 | 240 | 14216 | 0.40 | ng/ul | 0.00 |
| 23) Perylene-d12 | 23.373 | 264 | 15877 | 0.40 | ng/ul | 0.00 |
| System Monitoring Compounds | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.080 | 96 | 2236 | 0.66 | ng/ul | 0.00 |
| 6) 2-Methylnaphthalene-d10 | 11.927 | 152 | 5474 | 0.33 | ng/ul | 0.00 |
| 18) Fluoranthene-d10 | 18.993 | 212 | 14216 | 0.40 | ng/ul | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.113 | 88 | 307 | 0.08 | ng/ul# | 37 |
| 5) Naphthalene | 10.370 | 128 | 2249 | 0.06 | ng/ul# | 93 |
| 7) 2-Methylnaphthalene | 11.998 | 142 | 1377 | 0.06 | ng/ul | 100 |
| 8) 1-Methylnaphthalene | 12.218 | 142 | 1437 | 0.07 | ng/ul | 99 |
| 10) Acenaphthylene | 13.915 | 152 | 1800 | 0.07 | ng/ul# | 93 |
| 11) Acenaphthene | 14.262 | 153 | 1583 | 0.07 | ng/ul | 97 |
| 12) Fluorene | 15.256 | 166 | 1682 | 0.06 | ng/ul# | 97 |
| 14) Pentachlorophenol | 16.614 | 266 | 235 | 0.07 | ng/ul | 97 |
| 15) Phenanthrene | 16.994 | 178 | 3181 | 0.07 | ng/ul | 96 |
| 16) Anthracene | 17.087 | 178 | 2360 | 0.06 | ng/ul | 94 |
| 19) Fluoranthene | 19.021 | 202 | 3806 | 0.08 | ng/ul | 95 |
| 20) Pyrene | 19.388 | 202 | 3735 | 0.07 | ng/ul | 97 |
| 21) Benzo(a)anthracene | 21.149 | 228 | 2908 | 0.06 | ng/ul | 98 |
| 22) Chrysene | 21.199 | 228 | 3896 | 0.07 | ng/ul | 98 |
| 24) Benzo(b)fluoranthene | 22.712 | 252 | 3816 | 0.06 | ng/ul | 88 |
| 25) Benzo(k)fluoranthene | 22.756 | 252 | 4590 | 0.07 | ng/ul# | 83 |
| 26) Benzo(a)pyrene | 23.277 | 252 | 3541 | 0.07 | ng/ul# | 80 |
| 27) Indeno(1,2,3-cd)pyrene | 25.605 | 276 | 5156 | 0.07 | ng/ul | 94 |
| 28) Dibenzo(a,h)anthracene | 25.628 | 278 | 3988 | 0.07 | ng/ul# | 86 |
| 29) Benzo(g,h,i)perylene | 26.282 | 276 | 4389 | 0.07 | ng/ul | 94 |

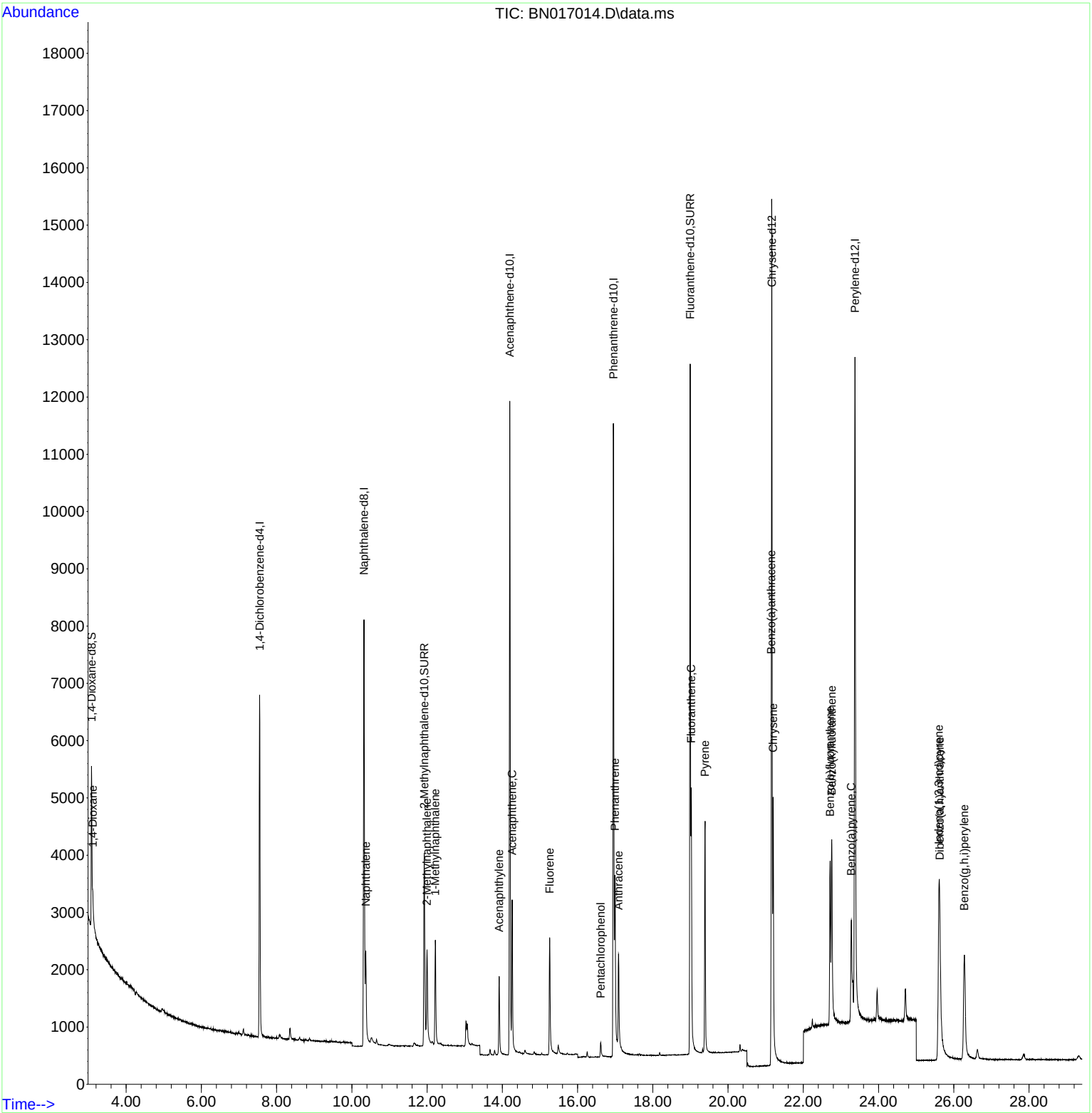
(#) = qualifier out of range (m) = manual integration (+) = signals summed

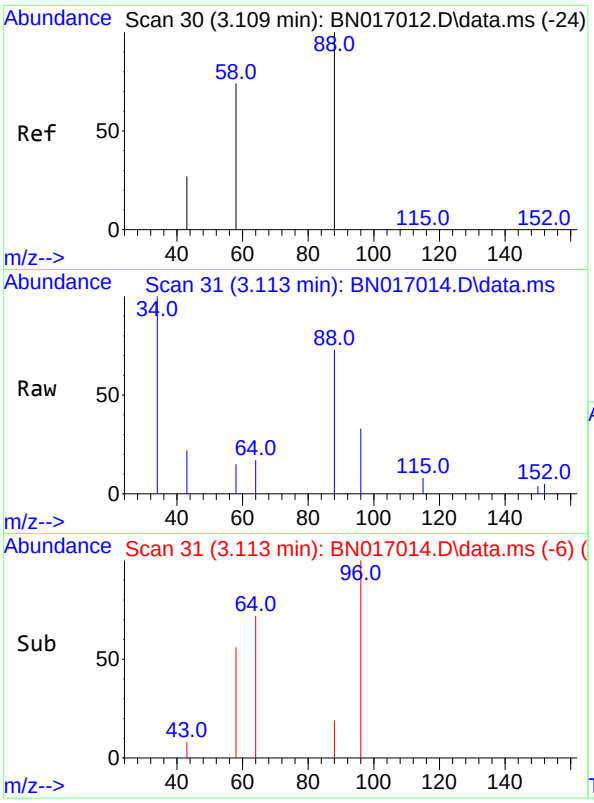
Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN102021\
Data File : BN017014.D
Acq On : 20 Oct 2021 10:44
Operator : CG/JU
Sample : M3263-02
Misc : SFAM-SIM-MDL-WATER-02
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
MDL-WATER-QT4-2021-08

Quant Time: Oct 20 11:20:45 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SFAM-EPA-SIM-BN101921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 20 10:49:43 2021
Response via : Initial Calibration

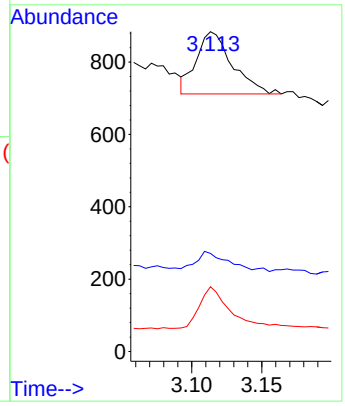




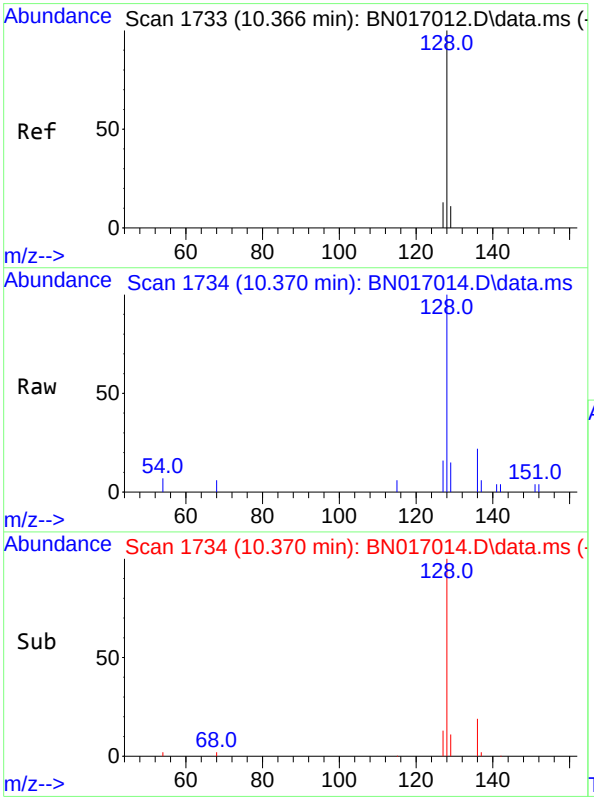

#2
1,4-Dioxane
Concen: 0.08 ng/ul
RT: 3.113 min Scan# 31
Delta R.T. 0.004 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion: 88 Resp: 307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 30.7 | 85.8 | 128.8# |
| 58 | 20.2 | 38.0 | 57.0# |



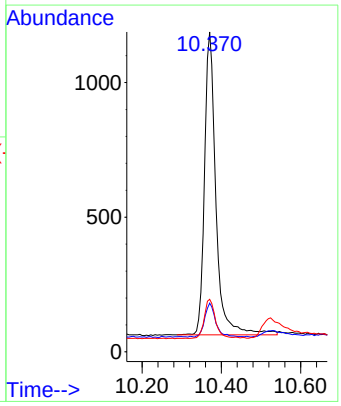

**Instrument :**
BNA_N
**ClientSampleId :**
MDL-WATER-QT4-2021-08

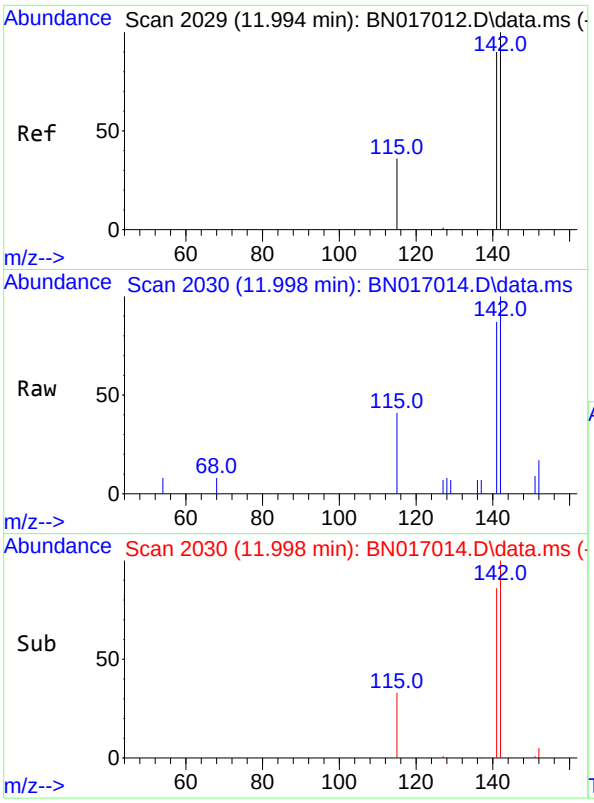



#5
Naphthalene
Concen: 0.06 ng/ul
RT: 10.370 min Scan# 1734
Delta R.T. 0.004 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion:128 Resp: 2249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 15.2 | 9.6 | 14.4# |
| 127 | 16.4 | 11.0 | 16.4 |

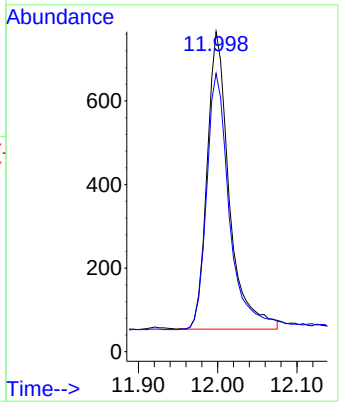




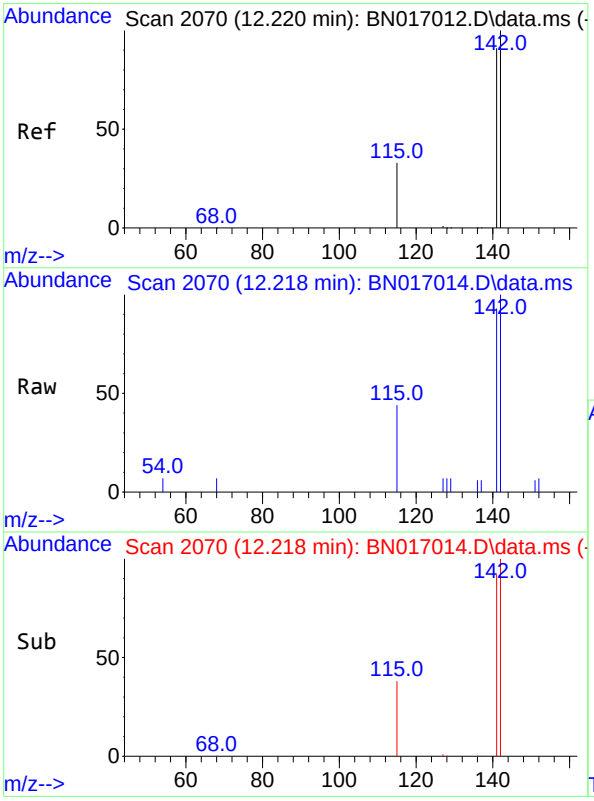

#7
2-Methylnaphthalene
Concen: 0.06 ng/ul
RT: 11.998 min Scan# 2030
Delta R.T. 0.004 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion:142 Resp: 1377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.0 | 71.4 | 107.0 |



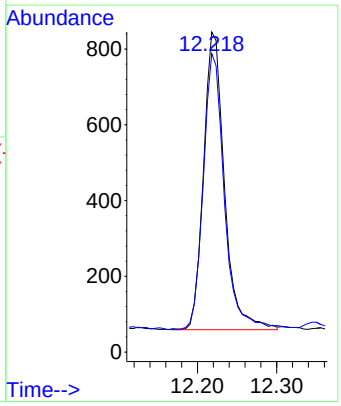

**Instrument :**
BNA_N
**ClientSampleId :**
MDL-WATER-QT4-2021-08



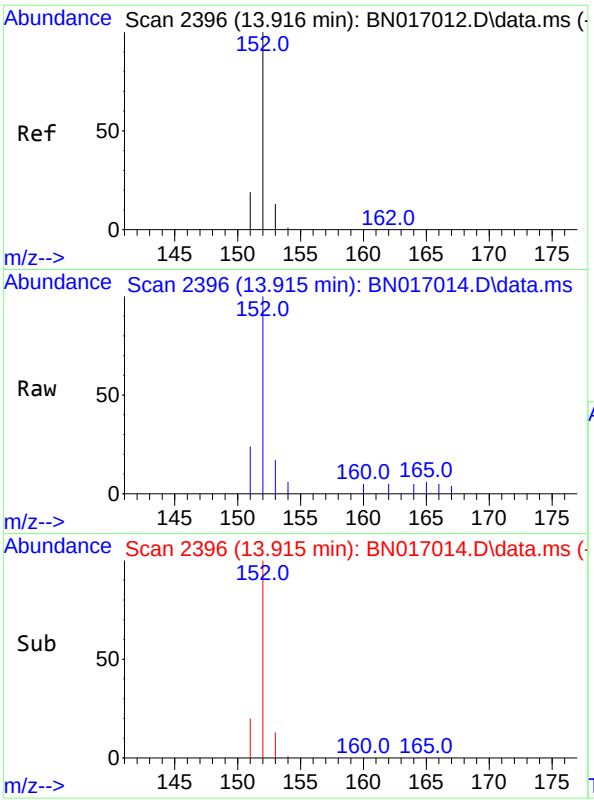

#8
1-Methylnaphthalene
Concen: 0.07 ng/ul
RT: 12.218 min Scan# 2070
Delta R.T. -0.002 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion:142 Resp: 1437

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.3 | 73.7 | 110.5 |



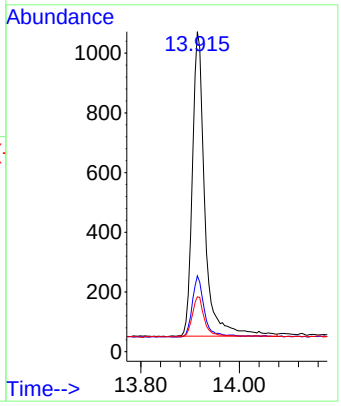
**Instrument :**
BNA_N
**ClientSampleId :**
MDL-WATER-QT4-2021-08

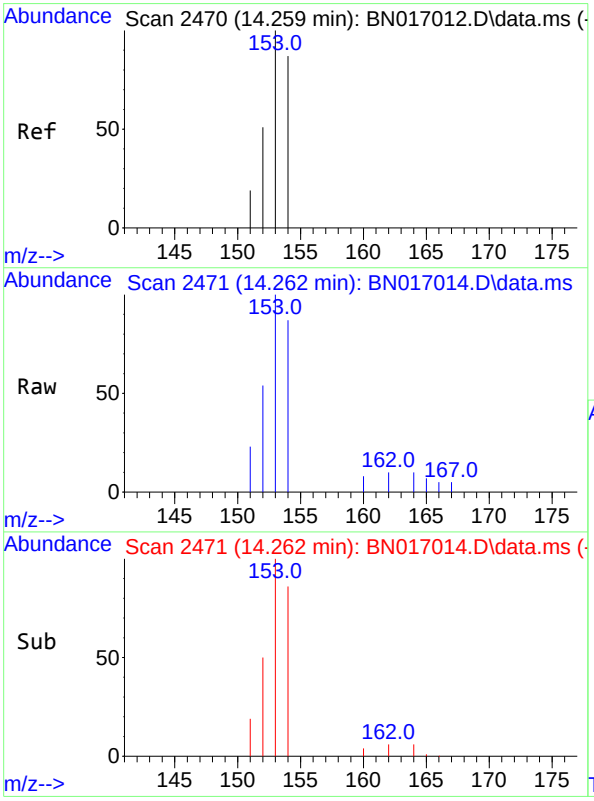



#10
Acenaphthylene
Concen: 0.07 ng/ul
RT: 13.915 min Scan# 2396
Delta R.T. -0.002 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion:152 Resp: 1800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 23.7 | 16.4 | 24.6 |
| 153 | 17.2 | 11.3 | 16.9# |

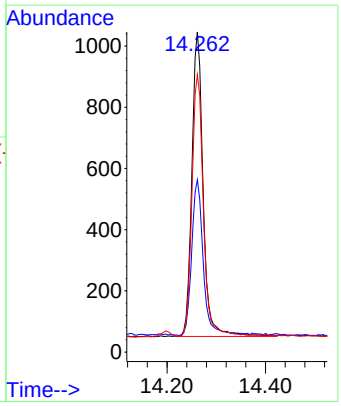


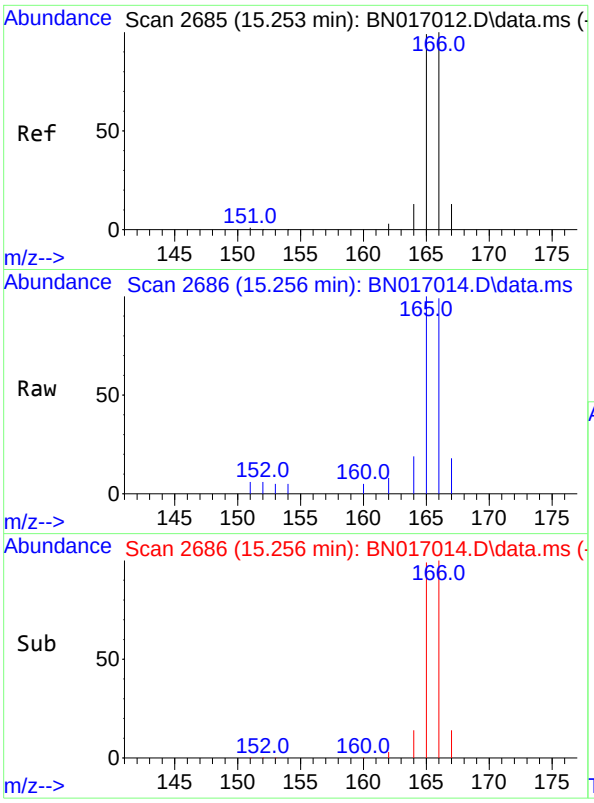




#11
Acenaphthene
Concen: 0.07 ng/ul
RT: 14.262 min Scan# 2471
Delta R.T. 0.003 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion:153 Resp: 1583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 53.8 | 40.7 | 61.1 |
| 154 | 86.7 | 70.7 | 106.1 |

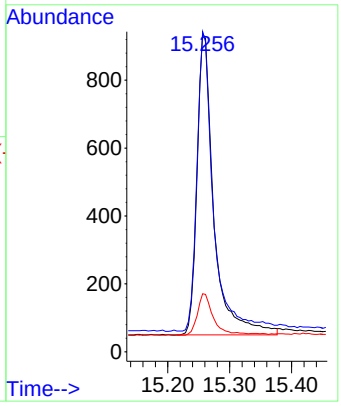




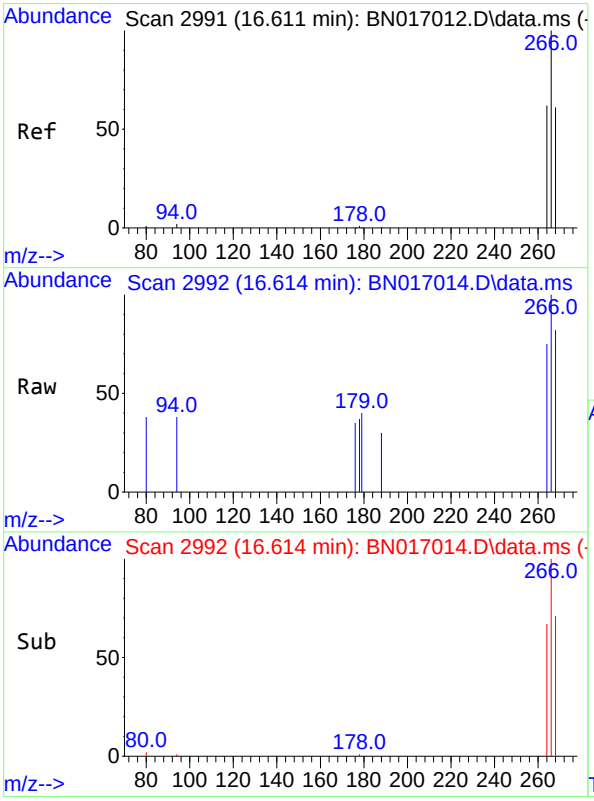

#12
Fluorene
Concen: 0.06 ng/ul
RT: 15.256 min Scan# 2686
Delta R.T. 0.003 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion:166 Resp: 1682

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.5 | 79.0 | 118.4 |
| 167 | 18.2 | 11.2 | 16.8# |



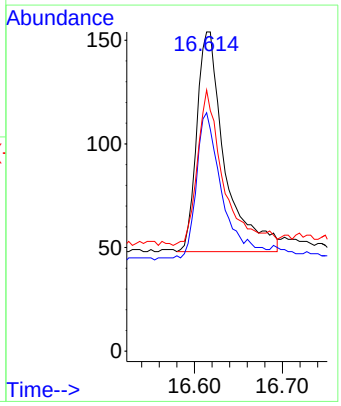

**Instrument :**
BNA_N
**ClientSampleId :**
MDL-WATER-QT4-2021-08

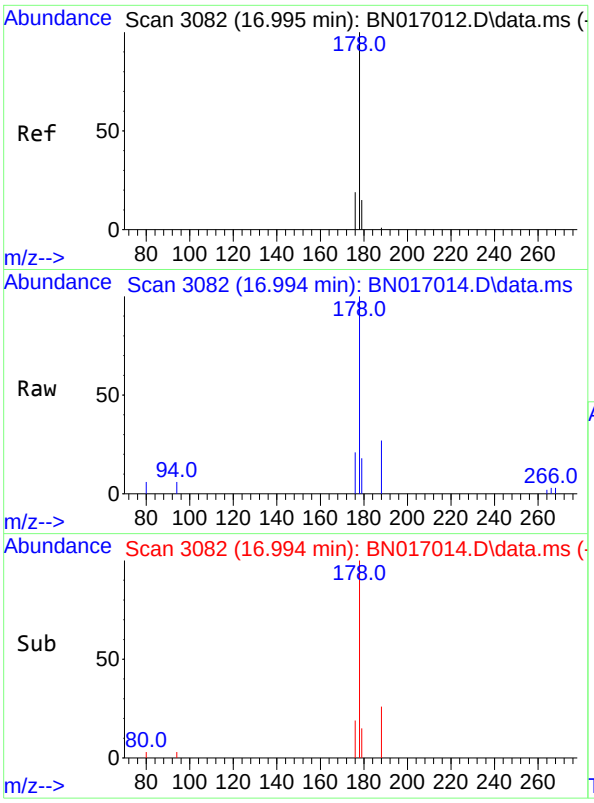



#14
Pentachlorophenol
Concen: 0.07 ng/ul
RT: 16.614 min Scan# 2992
Delta R.T. 0.003 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion:266 Resp: 235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 60.9 | 49.8 | 74.6 |
| 268 | 66.0 | 50.5 | 75.7 |

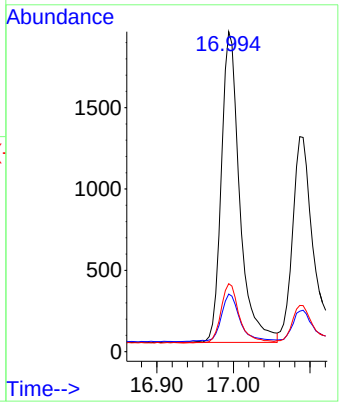




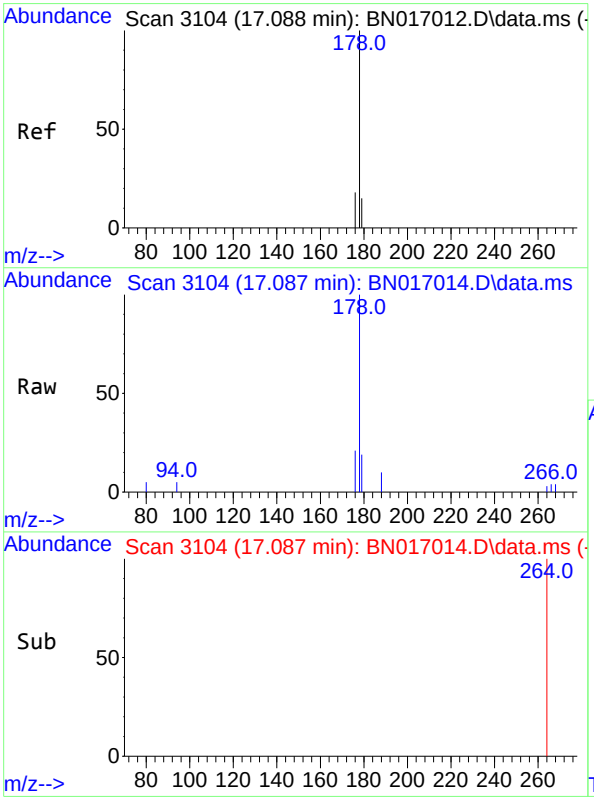

#15
Phenanthrene
Concen: 0.07 ng/ul
RT: 16.994 min Scan# 3082
Delta R.T. -0.002 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion:178 Resp: 3181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.0 | 12.6 | 19.0 |
| 176 | 21.3 | 15.9 | 23.9 |



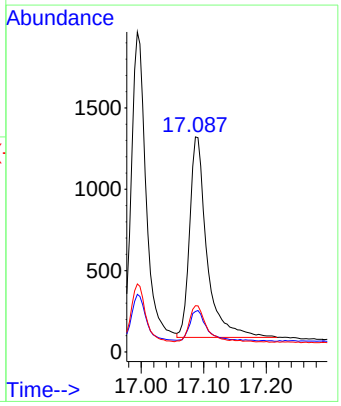

**Instrument :**
BNA_N
**ClientSampleId :**
MDL-WATER-QT4-2021-08



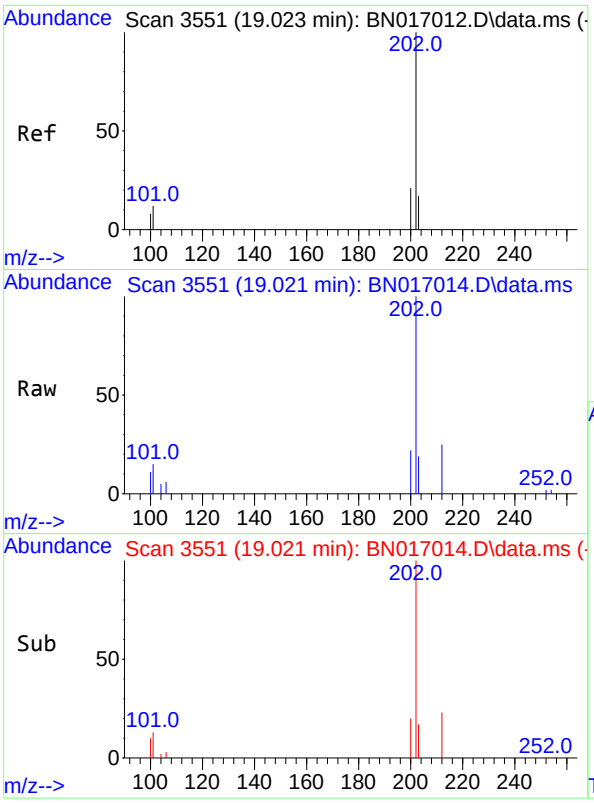

#16
Anthracene
Concen: 0.06 ng/ul
RT: 17.087 min Scan# 3104
Delta R.T. -0.002 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion:178 Resp: 2360

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 18.8 | 12.9 | 19.3 |
| 176 | 21.5 | 15.0 | 22.6 |



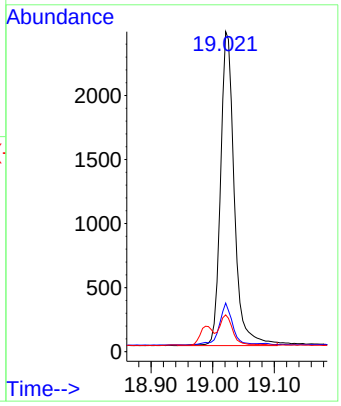
**Instrument :**
BNA_N
**ClientSampleId :**
MDL-WATER-QT4-2021-08

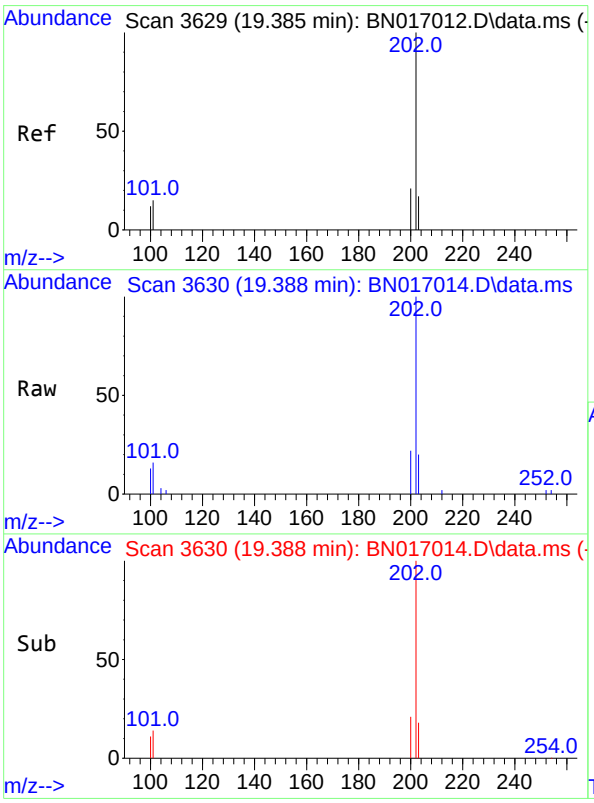



#19
Fluoranthene
Concen: 0.08 ng/ul
RT: 19.021 min Scan# 3551
Delta R.T. -0.002 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion:202 Resp: 3806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.2 | 10.6 | 16.0 |
| 100 | 11.5 | 7.9 | 11.9 |

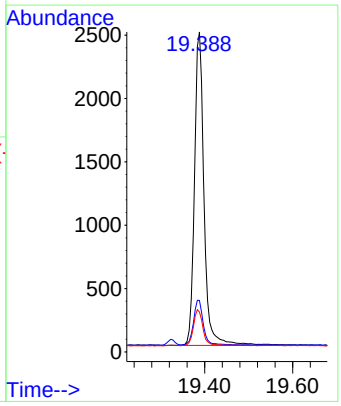


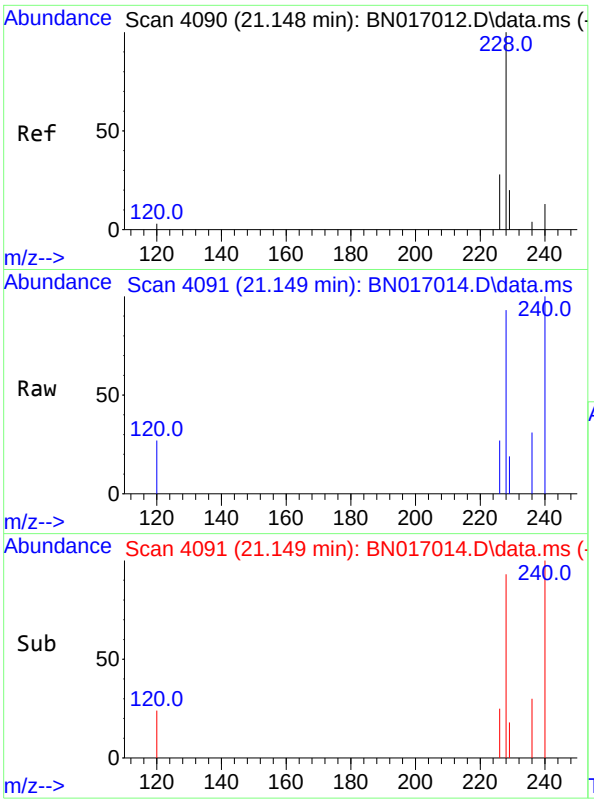




#20
Pyrene
Concen: 0.07 ng/ul
RT: 19.388 min Scan# 3630
Delta R.T. 0.003 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion:202 Resp: 3735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 16.1 | 11.6 | 17.4 |
| 100 | 12.5 | 9.3 | 13.9 |

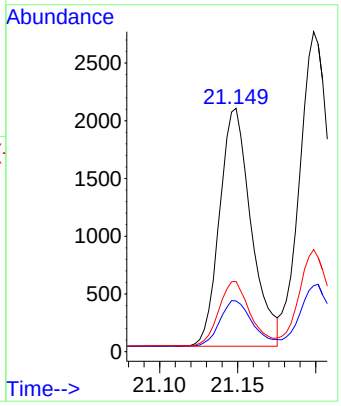




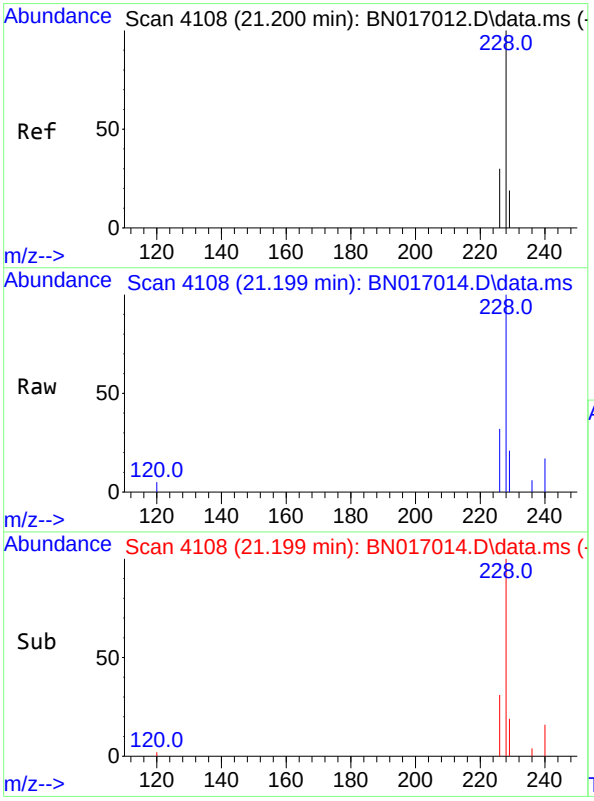

#21
Benzo(a)anthracene
Concen: 0.06 ng/ul
RT: 21.149 min Scan# 4091
Delta R.T. 0.001 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion:228 Resp: 2908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.9 | 15.9 | 23.9 |
| 226 | 28.8 | 22.0 | 33.0 |



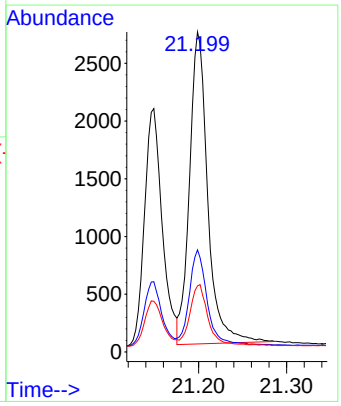

**Instrument :**
BNA_N
**ClientSampleId :**
MDL-WATER-QT4-2021-08

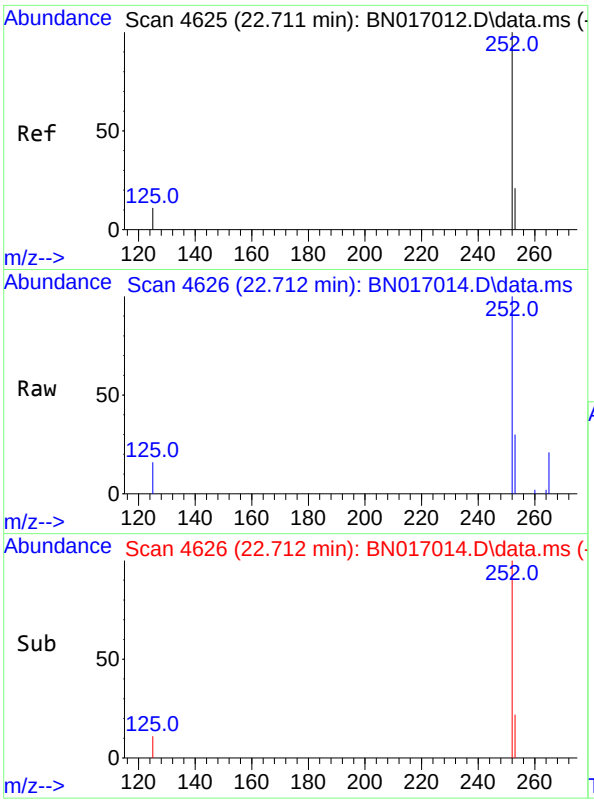



#22
Chrysene
Concen: 0.07 ng/ul
RT: 21.199 min Scan# 4108
Delta R.T. -0.002 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion:228 Resp: 3896

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.9 | 24.5 | 36.7 |
| 229 | 20.6 | 15.8 | 23.8 |

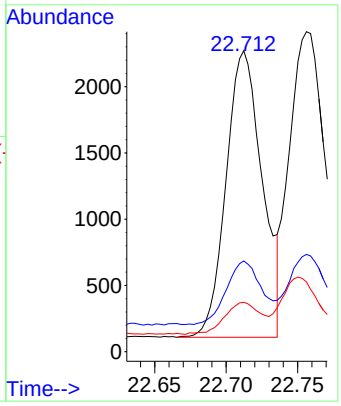




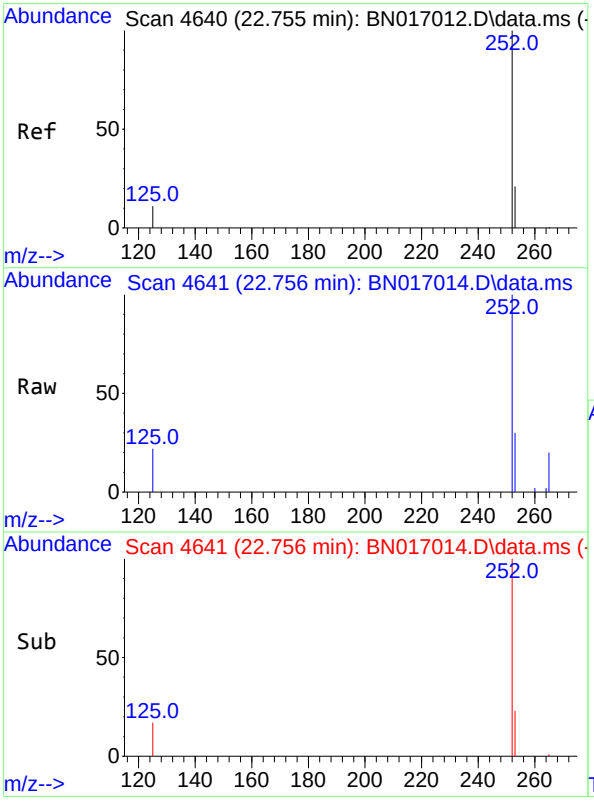

#24
Benzo(b)fluoranthene
Concen: 0.06 ng/ul
RT: 22.712 min Scan# 4626
Delta R.T. 0.001 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion:252 Resp: 3816

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.2 | 0.0 | 47.4 |
| 125 | 16.5 | 0.0 | 24.6 |



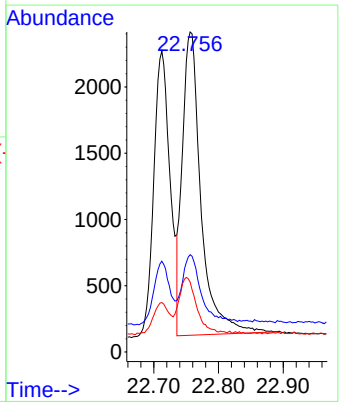

**Instrument :**
BNA_N
**ClientSampleId :**
MDL-WATER-QT4-2021-08



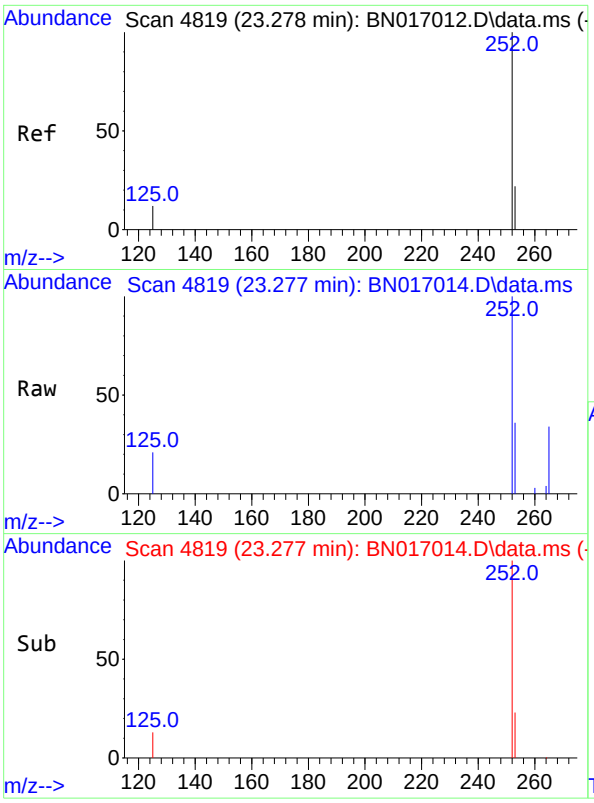

#25
Benzo(k)fluoranthene
Concen: 0.07 ng/ul
RT: 22.756 min Scan# 4641
Delta R.T. 0.001 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion:252 Resp: 4590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.4 | 19.2 | 28.8# |
| 125 | 21.8 | 9.7 | 14.5# |



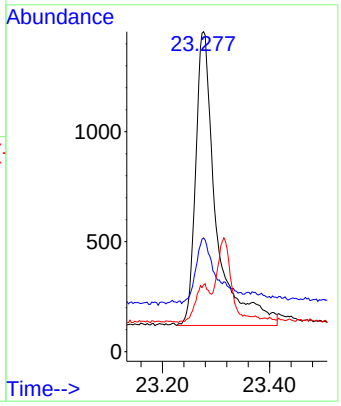
**Instrument :**
BNA_N
**ClientSampleId :**
MDL-WATER-QT4-2021-08

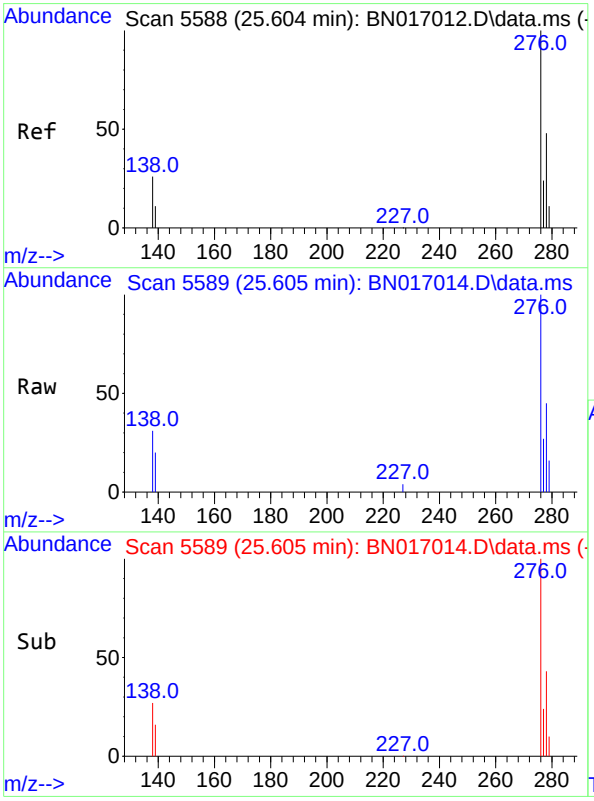



#26
Benzo(a)pyrene
Concen: 0.07 ng/ul
RT: 23.277 min Scan# 4819
Delta R.T. -0.002 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion:252 Resp: 3541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 35.5 | 19.8 | 29.6# |
| 125 | 20.9 | 10.9 | 16.3# |

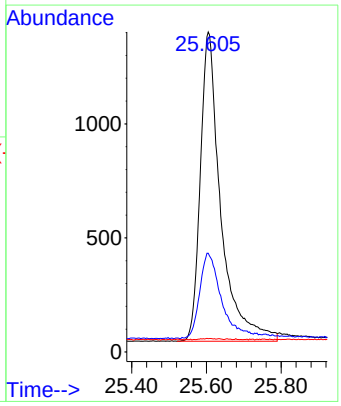


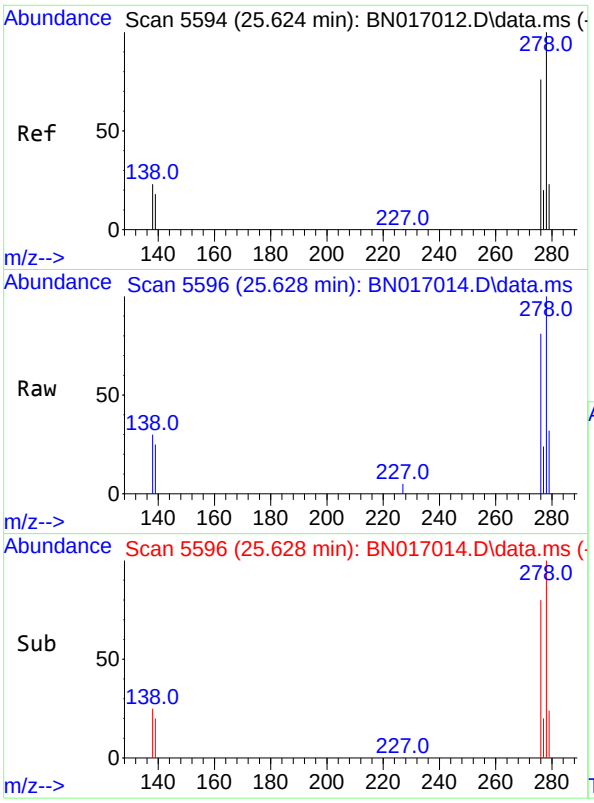




#27
Indeno(1,2,3-cd)pyrene
Concen: 0.07 ng/ul
RT: 25.605 min Scan# 5589
Delta R.T. 0.001 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion:276 Resp: 5156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 30.6 | 21.8 | 32.8 |
| 227 | 0.2 | 0.2 | 0.2 |

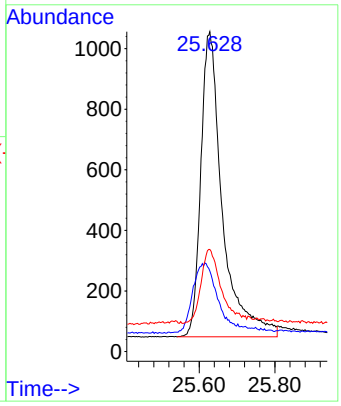




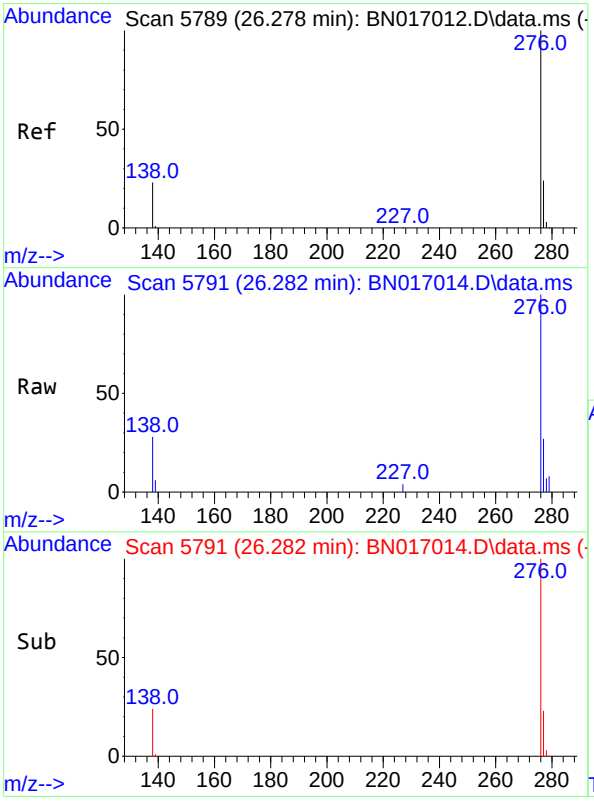

#28
Dibenzo(a,h)anthracene
Concen: 0.07 ng/ul
RT: 25.628 min Scan# 5596
Delta R.T. 0.005 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion:278 Resp: 3988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 25.2 | 15.2 | 22.8# |
| 279 | 31.9 | 19.9 | 29.9# |




**Instrument :**
BNA_N
**ClientSampleId :**
MDL-WATER-QT4-2021-08




#29
Benzo(g,h,i)perylene
Concen: 0.07 ng/ul
RT: 26.282 min Scan# 5791
Delta R.T. 0.005 min
Lab File: BN017014.D
Acq: 20 Oct 2021 10:44

Tgt Ion:276 Resp: 4389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.8 | 19.8 | 29.6 |
| 277 | 26.7 | 19.4 | 29.0 |