Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120719\
Data File : BN008887.D
Acq On : 07 Dec 2019 13:15
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 09 00:13:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 06 12:03:45 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.56 | 152 | 2219 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.32 | 136 | 9380 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.19 | 164 | 6310 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 16.94 | 188 | 14076 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.13 | 240 | 12780 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.28 | 264 | 13286 | 0.40 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.92 | 152 | 6325 | 0.41 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 18.97 | 212 | 16635 | 0.39 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.37 | 128 | 11059 | 0.391 | ng/ul | 100 |
| 5) 2-Methylnaphthalene | 11.99 | 142 | 8224 | 0.416 | ng/ul | 100 |
| 7) Acenaphthylene | 13.90 | 152 | 12133 | 0.348 | ng/ul | 99 |
| 8) Acenaphthene | 14.25 | 153 | 9472 | 0.366 | ng/ul | 100 |
| 9) Fluorene | 15.24 | 166 | 11247 | 0.370 | ng/ul | 100 |
| 11) Pentachlorophenol | 16.59 | 266 | 1498 | 0.281 | ng/ul | 98 |
| 12) Phenanthrene | 16.97 | 178 | 19381 | 0.408 | ng/ul | 99 |
| 13) Anthracene | 17.07 | 178 | 17488 | 0.390 | ng/ul | 99 |
| 15) Fluoranthene | 19.00 | 202 | 22577 | 0.387 | ng/ul | 98 |
| 17) Pyrene | 19.36 | 202 | 22713 | 0.443 | ng/ul | 99 |
| 18) Benzo(a)anthracene | 21.12 | 228 | 22220 | 0.432 | ng/ul | 100 |
| 19) Chrysene | 21.17 | 228 | 22236 | 0.440 | ng/ul | 99 |
| 21) Benzo(b)fluoranthene | 22.65 | 252 | 22311 | 0.407 | ng/ul | 100 |
| 22) Benzo(k)fluoranthene | 22.69 | 252 | 22818 | 0.420 | ng/ul | 99 |
| 23) Benzo(a)pyrene | 23.19 | 252 | 20872 | 0.406 | ng/ul | 99 |
| 24) Indeno(1,2,3-cd)pyrene | 25.39 | 276 | 22871 | 0.380 | ng/ul# | 99 |
| 25) Dibenzo(a,h)anthracene | 25.41 | 278 | 18537 | 0.382 | ng/ul | 99 |
| 26) Benzo(g,h,i)perylene | 26.03 | 276 | 18698 | 0.372 | ng/ul | 99 |

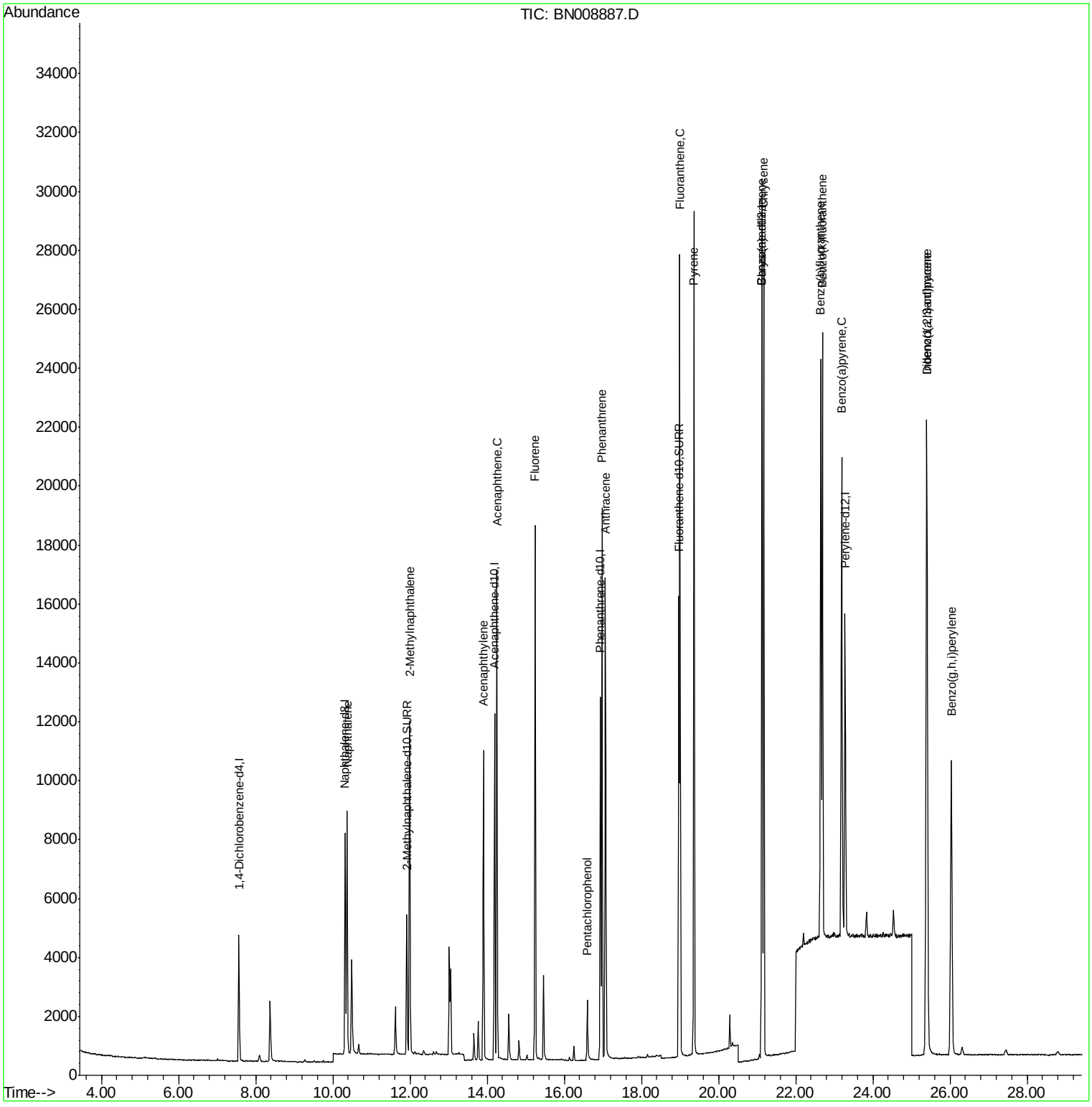
(#) = qualifier out of range (m) = manual integration (+) = signals summed

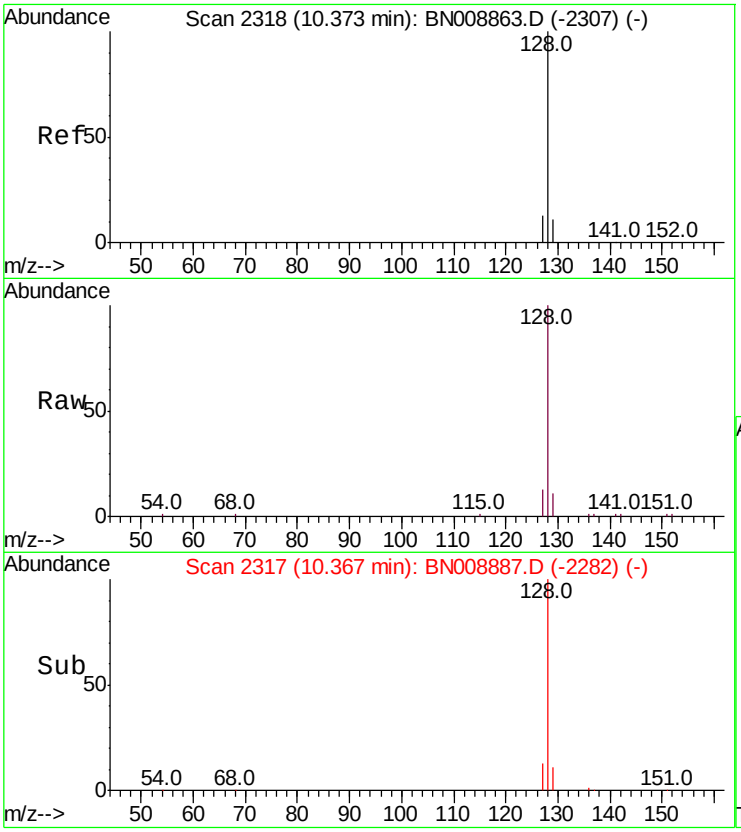
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120719\
Data File : BN008887.D
Acq On : 07 Dec 2019 13:15
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 09 00:13:05 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 06 12:03:45 2019
Response via : Initial Calibration



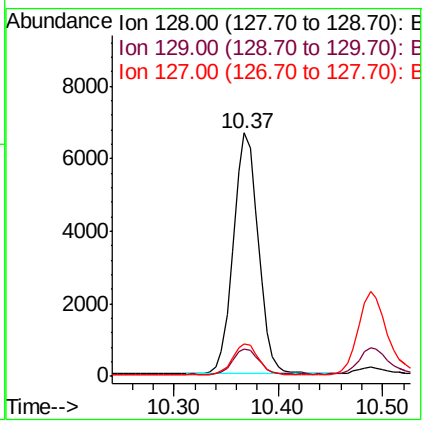


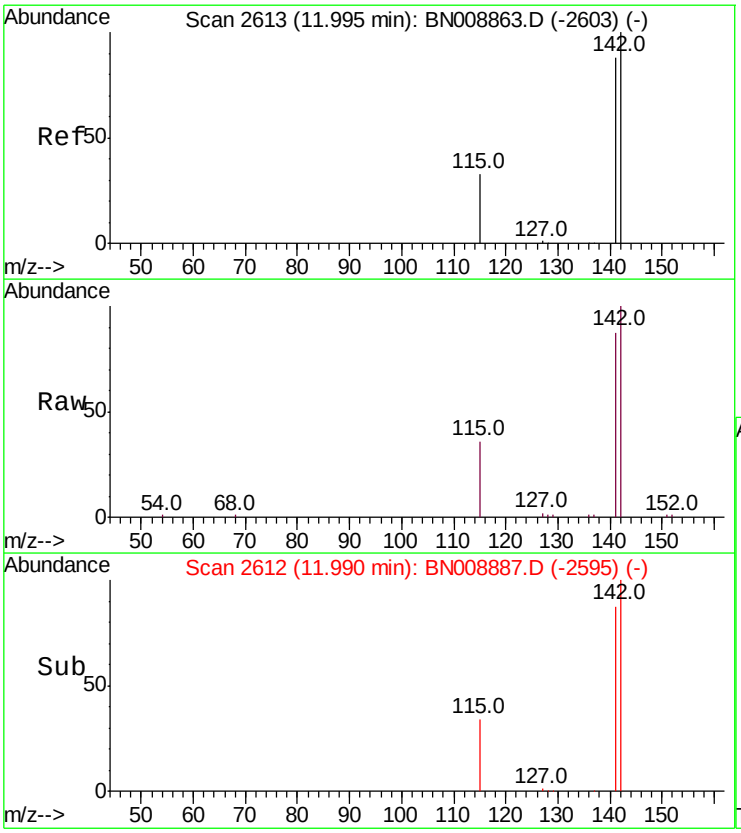

#3
Naphthalene
Concen: 0.391 ng/ul
RT: 10.37 min Scan# 2317
Delta R.T. -0.01 min
Lab File: BN008887.D
Acq: 07 Dec 2019 13:15

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

Tgt Ion:128 Resp: 11059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.5 | 9.1 | 13.7 |
| 127 | 13.4 | 10.7 | 16.1 |

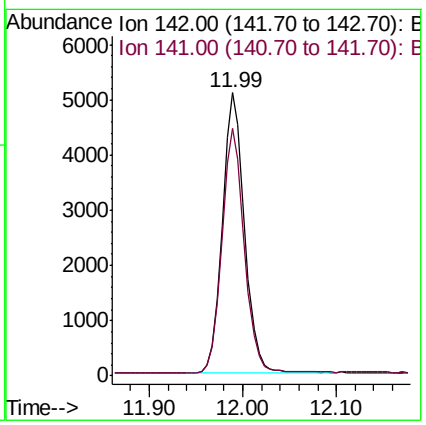


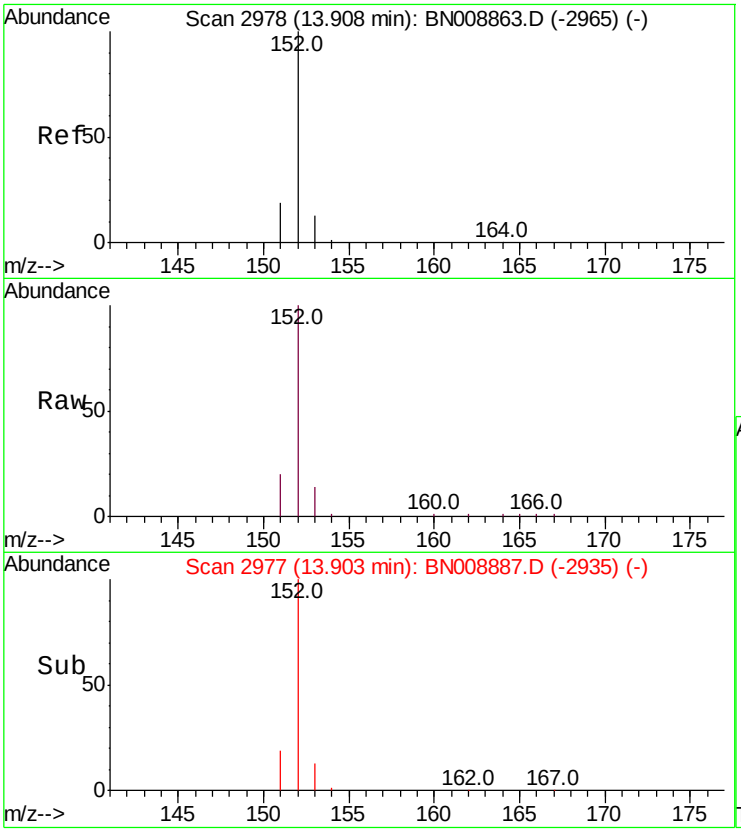




#5
2-Methylnaphthalene
Concen: 0.416 ng/ul
RT: 11.99 min Scan# 2612
Delta R.T. -0.01 min
Lab File: BN008887.D
Acq: 07 Dec 2019 13:15

Tgt Ion:142 Resp: 8224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.7 | 70.1 | 105.1 |



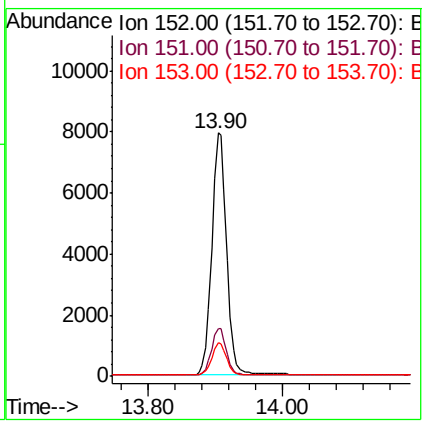


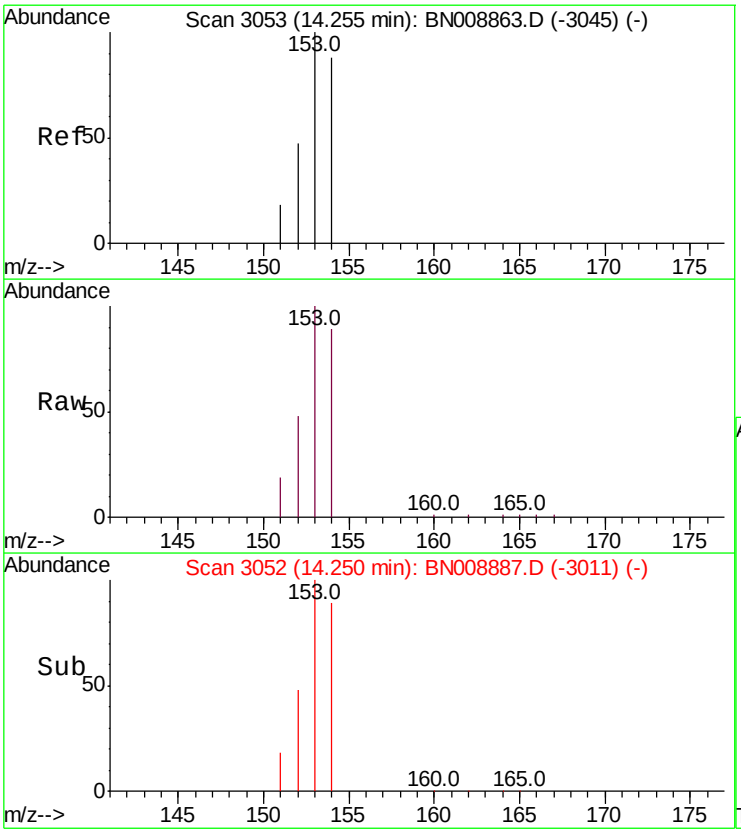

#7
Acenaphthylene
Concen: 0.348 ng/ul
RT: 13.90 min Scan# 2977
Delta R.T. -0.00 min
Lab File: BN008887.D
Acq: 07 Dec 2019 13:15

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

Tgt Ion:152 Resp: 12133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.5 | 15.8 | 23.6 |
| 153 | 13.7 | 10.6 | 15.8 |

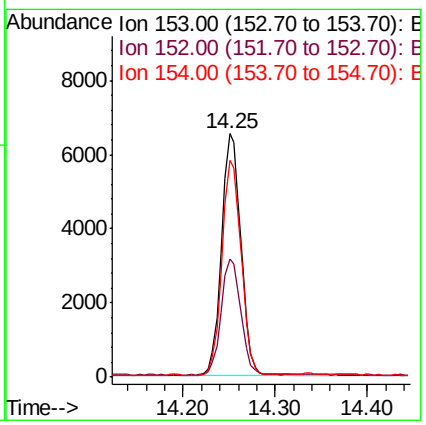


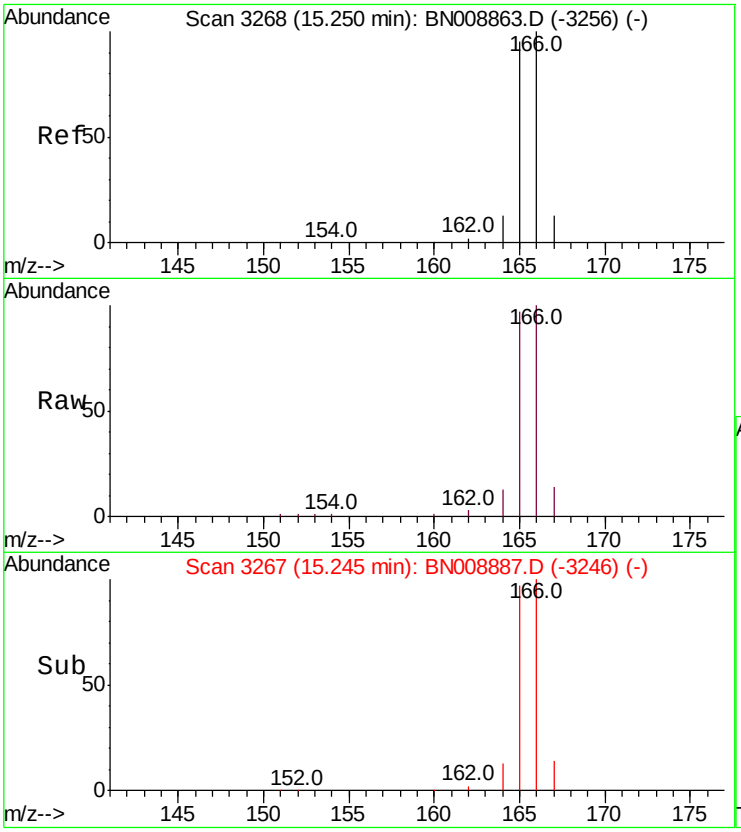




#8
Acenaphthene
Concen: 0.366 ng/ul
RT: 14.25 min Scan# 3052
Delta R.T. -0.01 min
Lab File: BN008887.D
Acq: 07 Dec 2019 13:15

Tgt Ion:153 Resp: 9472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 48.4 | 38.6 | 58.0 |
| 154 | 88.8 | 70.6 | 105.8 |



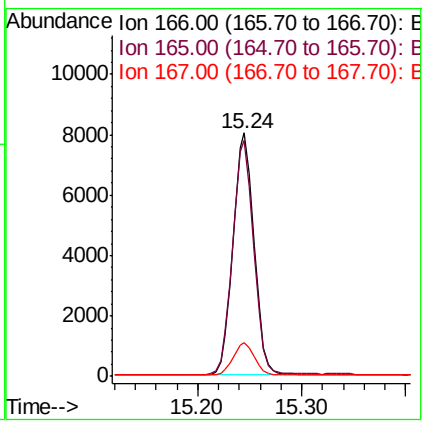


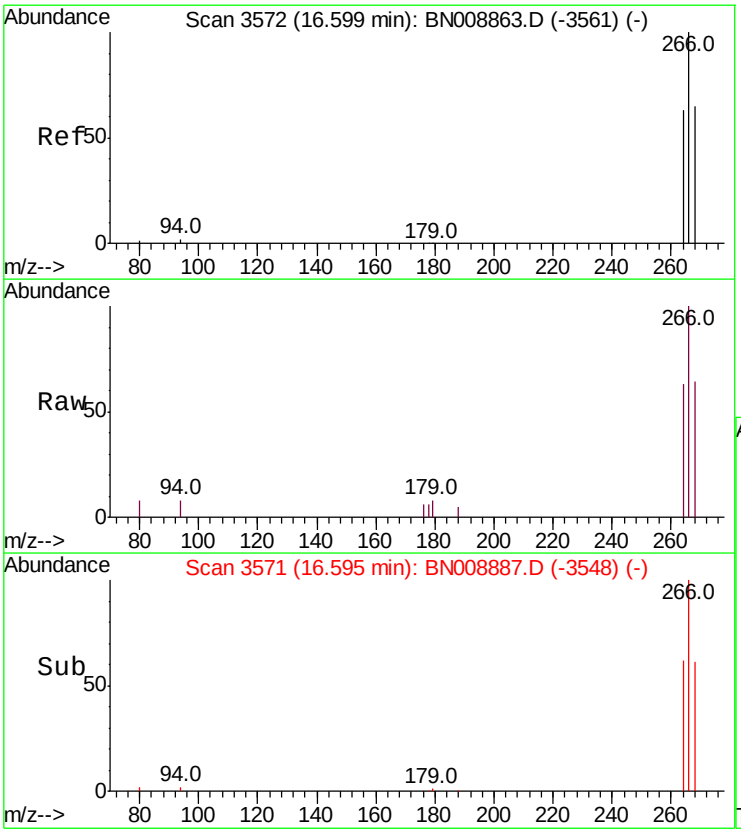

#9
Fluorene
Concen: 0.370 ng/ul
RT: 15.24 min Scan# 3267
Delta R.T. -0.00 min
Lab File: BN008887.D
Acq: 07 Dec 2019 13:15

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

Tgt Ion:166 Resp: 11247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.2 | 77.7 | 116.5 |
| 167 | 14.1 | 11.1 | 16.7 |

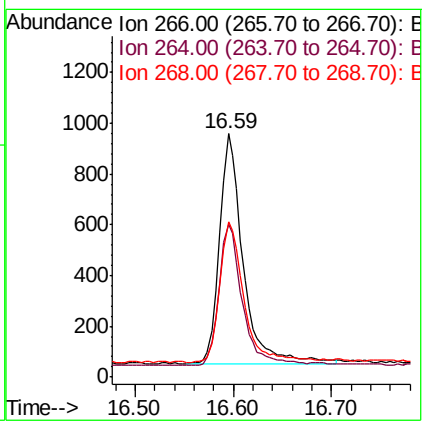


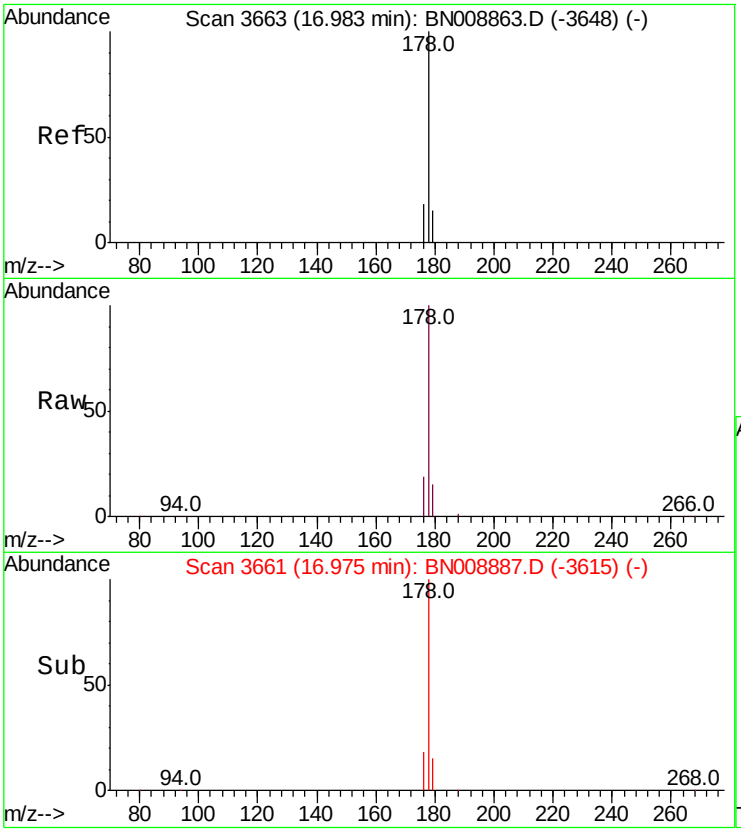




#11
Pentachlorophenol
Concen: 0.281 ng/ul
RT: 16.59 min Scan# 3571
Delta R.T. -0.00 min
Lab File: BN008887.D
Acq: 07 Dec 2019 13:15

Tgt Ion:266 Resp: 1498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 62.9 | 50.4 | 75.6 |
| 268 | 63.0 | 52.2 | 78.4 |



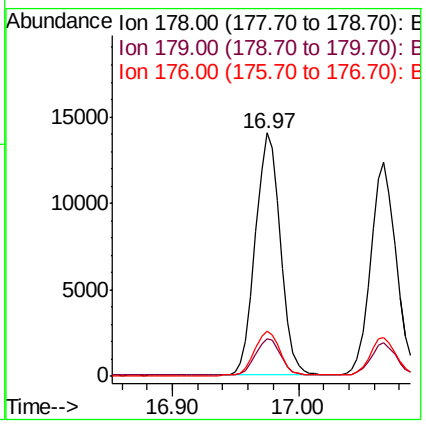


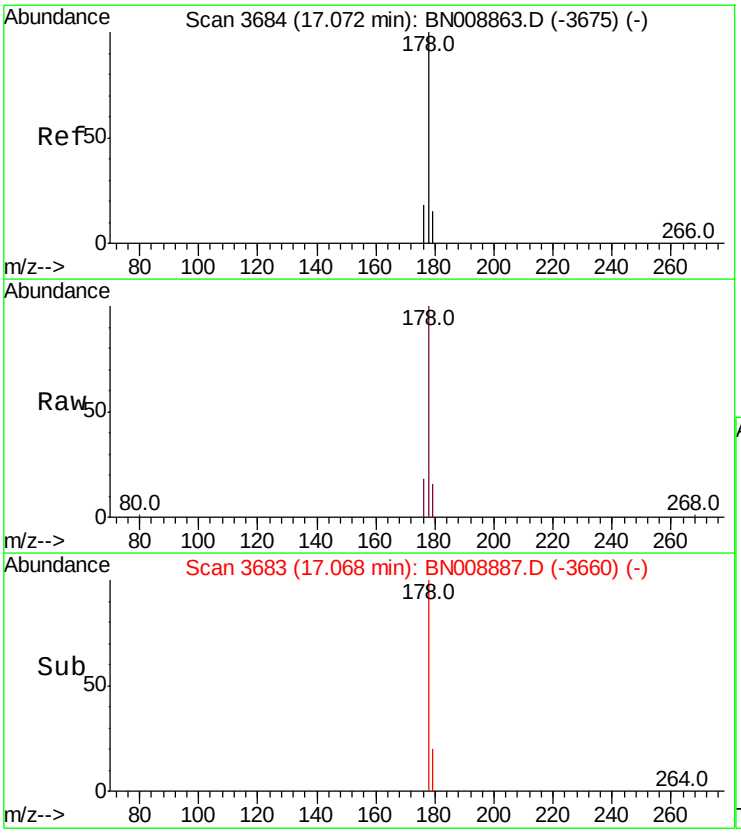

#12
Phenanthrene
Concen: 0.408 ng/ul
RT: 16.97 min Scan# 3661
Delta R.T. -0.00 min
Lab File: BN008887.D
Acq: 07 Dec 2019 13:15

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

Tgt Ion:178 Resp: 19381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.4 | 12.6 | 18.8 |
| 176 | 18.8 | 15.3 | 22.9 |

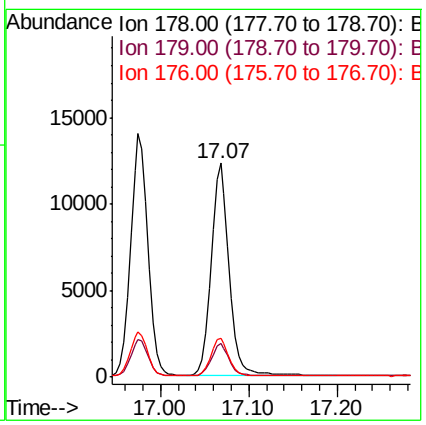


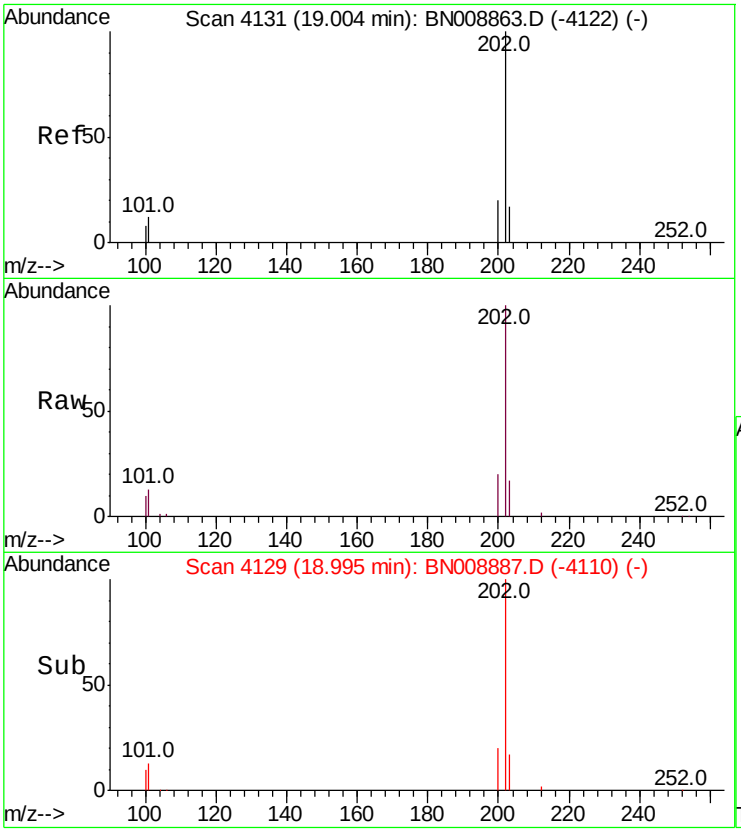




#13
Anthracene
Concen: 0.390 ng/ul
RT: 17.07 min Scan# 3683
Delta R.T. -0.00 min
Lab File: BN008887.D
Acq: 07 Dec 2019 13:15

Tgt Ion:178 Resp: 17488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.8 | 12.2 | 18.4 |
| 176 | 18.2 | 14.7 | 22.1 |



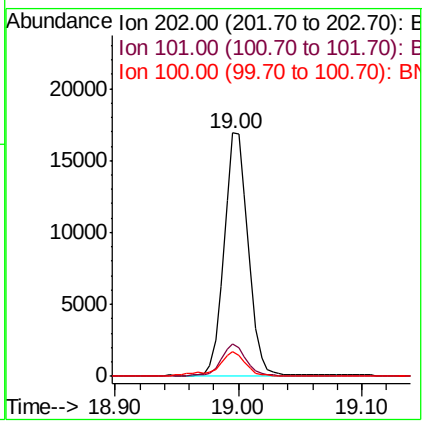


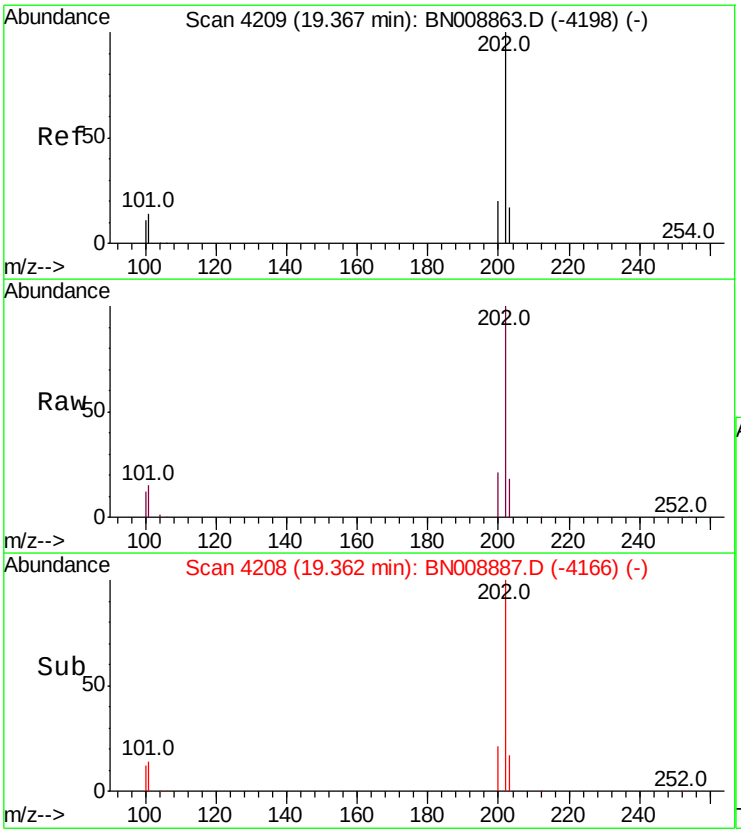

#15
Fluoranthene
Concen: 0.387 ng/ul
RT: 19.00 min Scan# 4129
Delta R.T. -0.01 min
Lab File: BN008887.D
Acq: 07 Dec 2019 13:15

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

Tgt Ion:202 Resp: 22577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.1 | 0.0 | 32.4 |
| 100 | 10.0 | 0.0 | 29.2 |

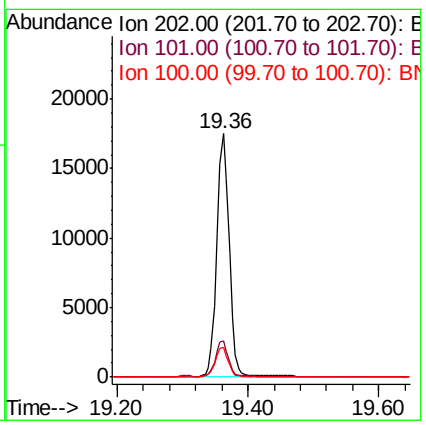


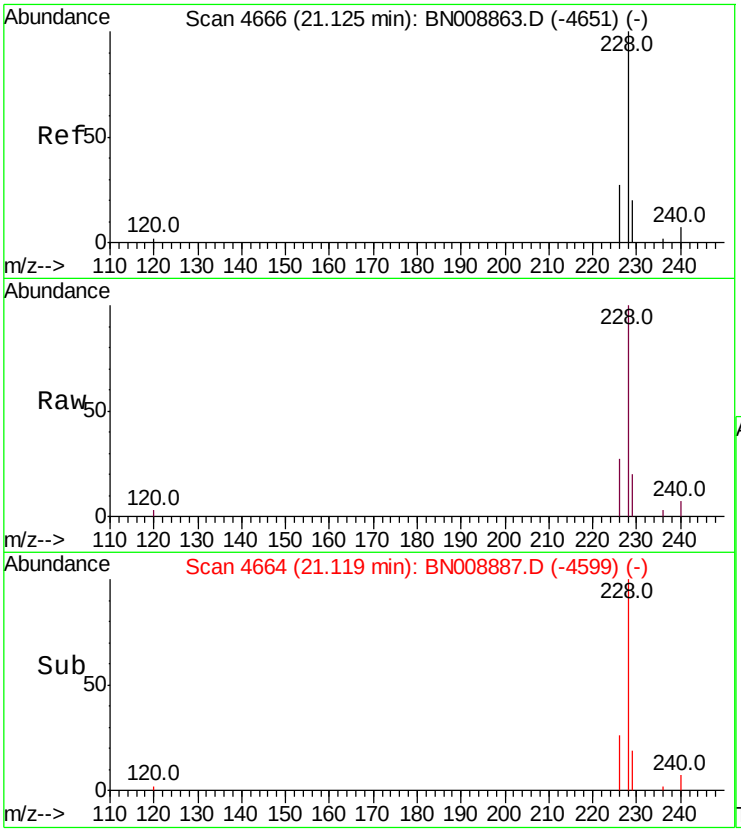




#17
Pyrene
Concen: 0.443 ng/ul
RT: 19.36 min Scan# 4208
Delta R.T. -0.00 min
Lab File: BN008887.D
Acq: 07 Dec 2019 13:15

Tgt Ion:202 Resp: 22713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.8 | 12.2 | 18.4 |
| 100 | 12.1 | 9.5 | 14.3 |



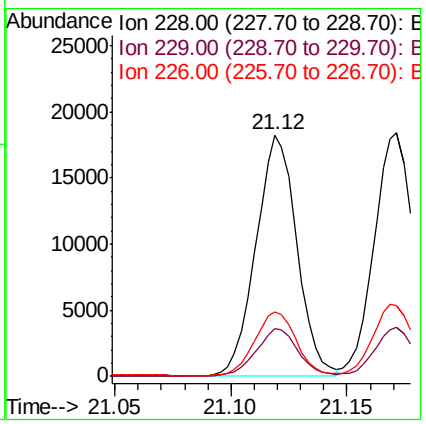


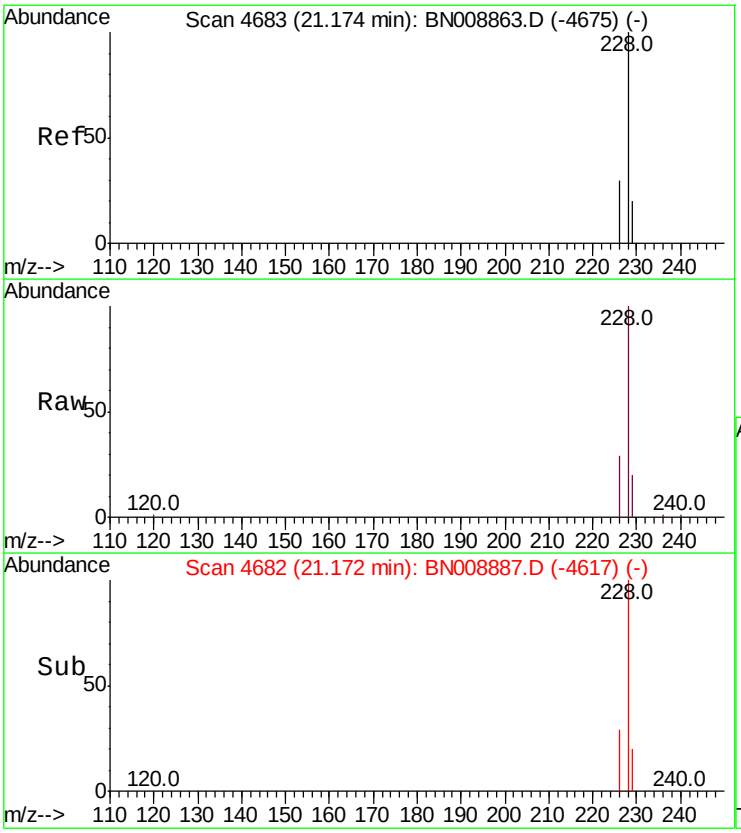

#18
Benzo(a)anthracene
Concen: 0.432 ng/ul
RT: 21.12 min Scan# 4664
Delta R.T. -0.01 min
Lab File: BN008887.D
Acq: 07 Dec 2019 13:15

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

Tgt Ion:228 Resp: 22220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 19.6 | 15.7 | 23.5 |
| 226 | 26.8 | 21.5 | 32.3 |

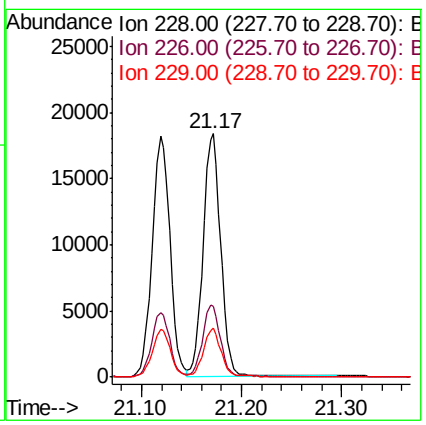


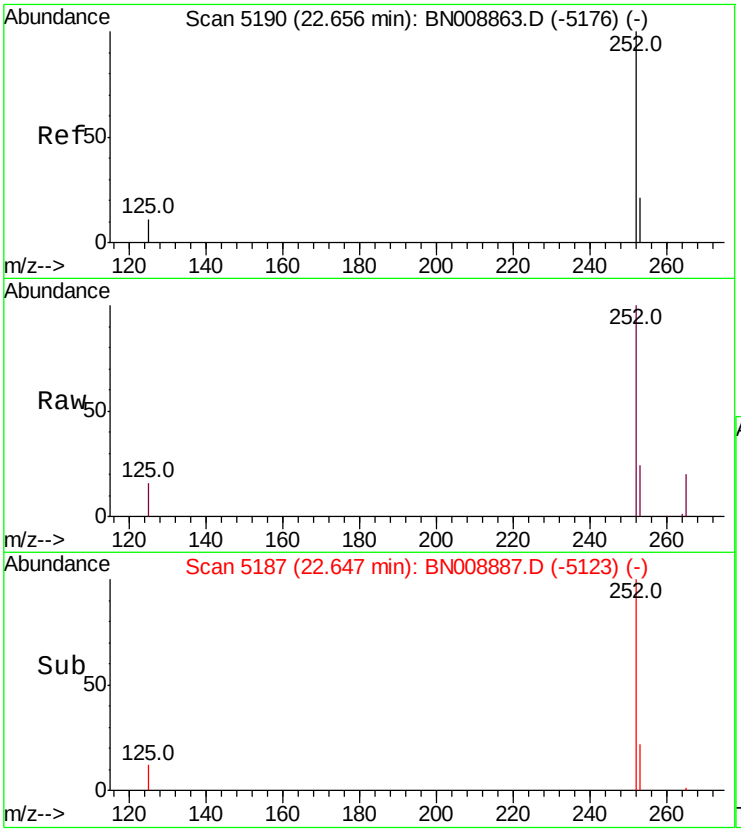




#19
Chrysene
Concen: 0.440 ng/ul
RT: 21.17 min Scan# 4682
Delta R.T. -0.01 min
Lab File: BN008887.D
Acq: 07 Dec 2019 13:15

Tgt Ion:228 Resp: 22236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.3 | 23.8 | 35.6 |
| 229 | 19.9 | 15.6 | 23.4 |



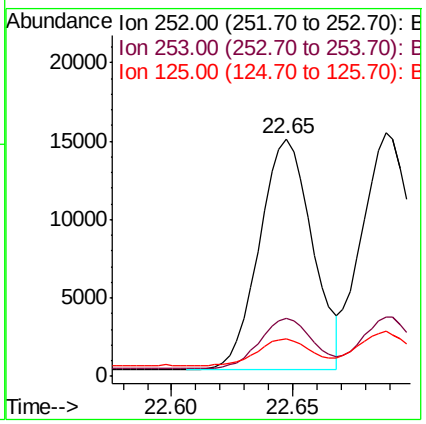


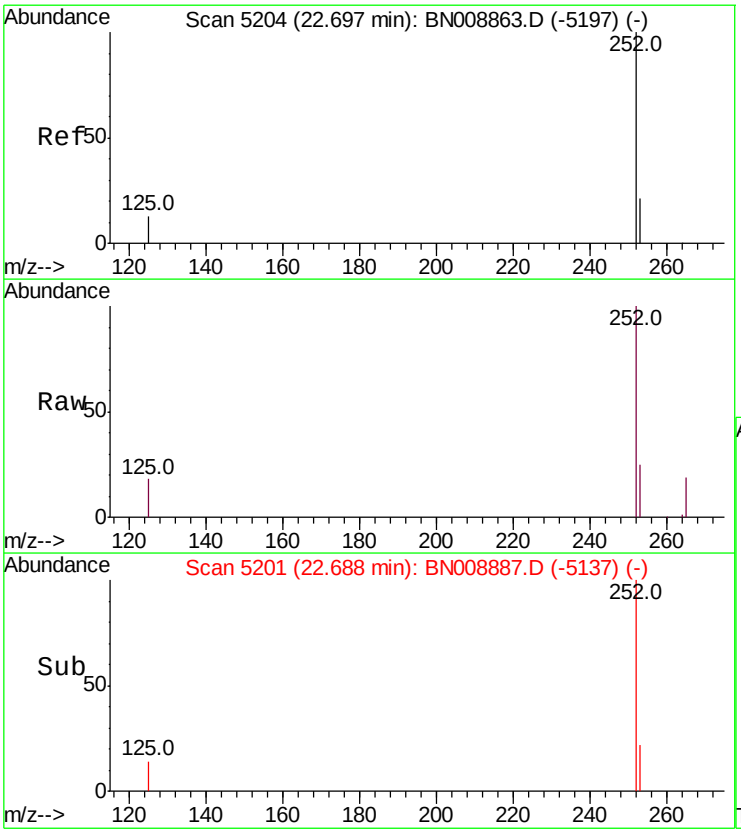

#21
Benzo(b)fluoranthene
Concen: 0.407 ng/ul
RT: 22.65 min Scan# 5187
Delta R.T. -0.01 min
Lab File: BN008887.D
Acq: 07 Dec 2019 13:15

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

Tgt Ion:252 Resp: 22311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.2 | 0.0 | 48.6 |
| 125 | 15.8 | 0.0 | 31.6 |

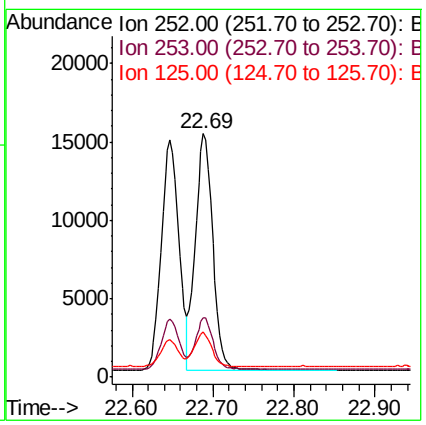


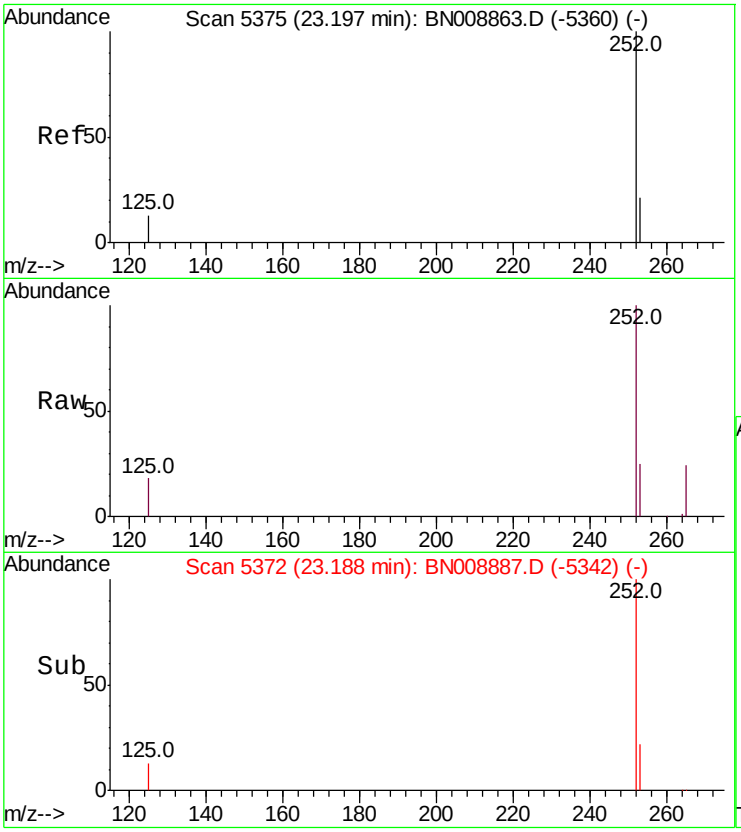




#22
Benzo(k)fluoranthene
Concen: 0.420 ng/ul
RT: 22.69 min Scan# 5201
Delta R.T. -0.01 min
Lab File: BN008887.D
Acq: 07 Dec 2019 13:15

Tgt Ion:252 Resp: 22818

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.5 | 19.6 | 29.4 |
| 125 | 18.4 | 13.8 | 20.6 |



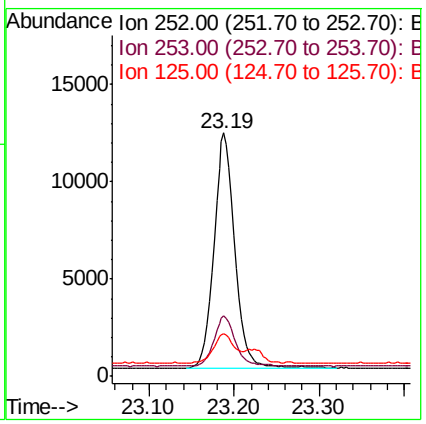


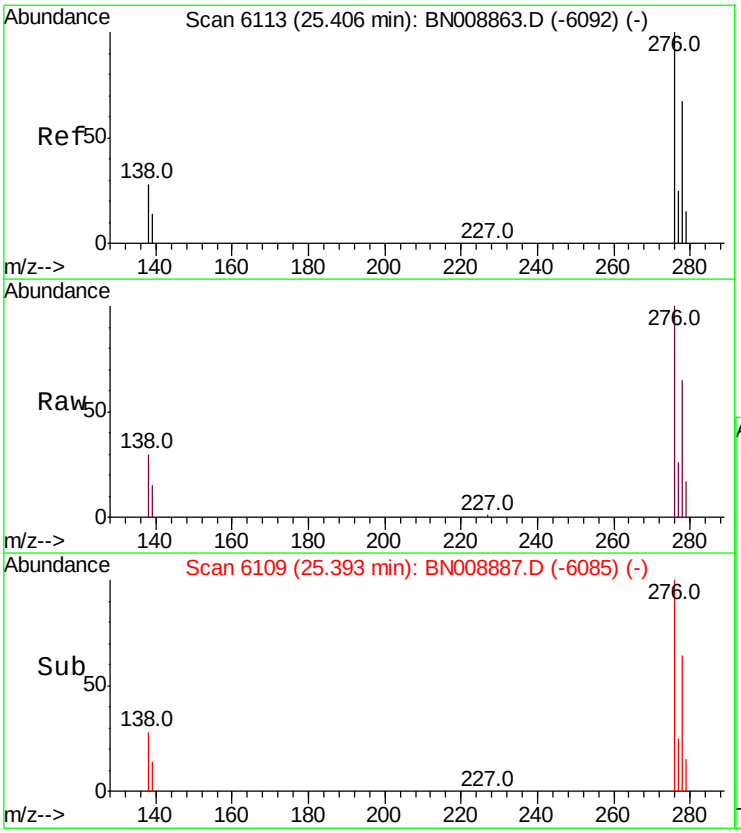

#23
Benzo(a)pyrene
Concen: 0.406 ng/ul
RT: 23.19 min Scan# 5372
Delta R.T. -0.01 min
Lab File: BN008887.D
Acq: 07 Dec 2019 13:15

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

Tgt Ion:252 Resp: 20872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.1 | 19.9 | 29.9 |
| 125 | 17.6 | 14.6 | 22.0 |

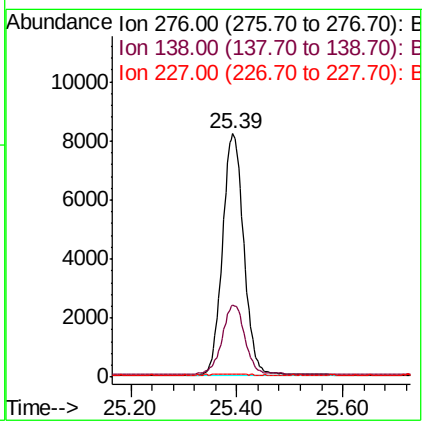


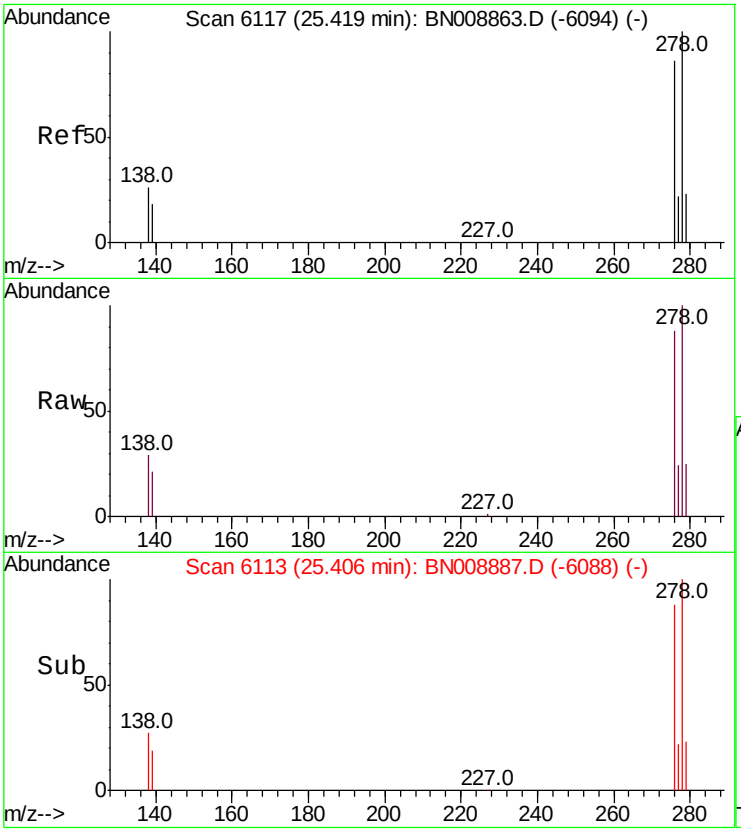




#24
Indeno(1,2,3-cd)pyrene
Concen: 0.380 ng/ul
RT: 25.39 min Scan# 6109
Delta R.T. -0.02 min
Lab File: BN008887.D
Acq: 07 Dec 2019 13:15

Tgt Ion:276 Resp: 22871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 30.3 | 23.8 | 35.6 |
| 227 | 0.3 | 0.2 | 0.2# |



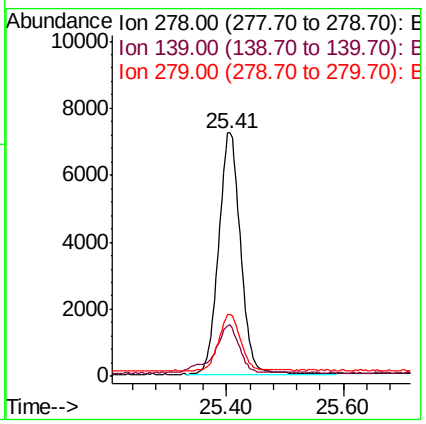


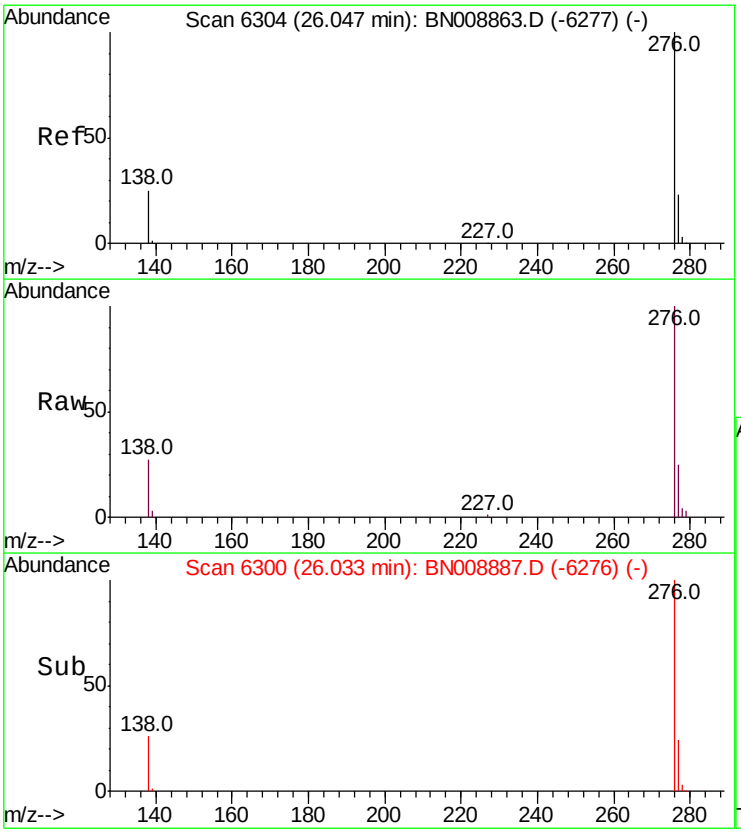

#25
Dibenzo(a,h)anthracene
Concen: 0.382 ng/ul
RT: 25.41 min Scan# 6113
Delta R.T. -0.02 min
Lab File: BN008887.D
Acq: 07 Dec 2019 13:15

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

Tgt Ion:278 Resp: 18537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 21.1 | 17.4 | 26.0 |
| 279 | 25.2 | 20.5 | 30.7 |




#26
Benzo(g,h,i)perylene
Concen: 0.372 ng/ul
RT: 26.03 min Scan# 6300
Delta R.T. -0.02 min
Lab File: BN008887.D
Acq: 07 Dec 2019 13:15

Tgt Ion:276 Resp: 18698

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.0 | 21.9 | 32.9 |
| 277 | 25.1 | 19.9 | 29.9 |