Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042518\
Data File : BN000918.D
Acq On : 26 Apr 2018 06:49
Operator : JU/SJ
Sample : J2443-20MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Apr 26 08:39:01 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 26 08:36:26 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.63 | 152 | 137037 | 20.00 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.39 | 136 | 551372 | 20.00 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.26 | 164 | 261256 | 20.00 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 17.00 | 188 | 515031 | 20.00 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.22 | 240 | 491514 | 20.00 | ng/ul | 0.00 |
| 22) Perylene-d12 | 23.41 | 264 | 527415 | 20.00 | ng/ul | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 7) Acenaphthylene-d8 | 13.95 | 160 | 831826 | 33.15 | ng/ul | 0.00 |
| 10) Fluorene-d10 | 15.26 | 176 | 555222 | 33.15 | ng/ul | 0.00 |
| 14) Anthracene-d10 | 17.10 | 188 | 793891 | 33.71 | ng/ul | 0.00 |
| 18) Pyrene-d10 | 19.41 | 212 | 846987 | 33.63 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12 | 23.27 | 264 | 912863 | 36.64 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 9) Acenaphthene | 14.32 | 153 | 603769 | 35.189 | ng/ul | 96 |
| 13) Phenanthrene | 17.05 | 178 | 95570 | 3.402 | ng/ul | 99 |
| 15) Anthracene | 17.14 | 178 | 33137 | 1.176 | ng/ul | 97 |
| 16) Fluoranthene | 19.07 | 202 | 201056 | 7.055 | ng/ul | 96 |
| 19) Pyrene | 19.44 | 202 | 1239543 | 39.262 | ng/ul# | 90 |
| 20) Benzo(a)anthracene | 21.20 | 228 | 113991 | 3.880 | ng/ul | 93 |
| 21) Chrysene | 21.25 | 228 | 104614 | 3.788 | ng/ul | 96 |
| 23) Benzo(b)fluoranthene | 22.76 | 252 | 128382 | 4.283 | ng/ul# | 88 |
| 24) Benzo(k)fluoranthene | 22.76 | 252 | 181677 | 6.194 | ng/ul# | 88 |
| 26) Benzo(a)pyrene | 23.32 | 252 | 90974 | 3.176 | ng/ul# | 90 |
| 27) Indeno(1,2,3-cd)pyrene | 25.59 | 276 | 62688 | 1.812 | ng/ul# | 85 |
| 29) Benzo(g,h,i)perylene | 26.26 | 276 | 61368 | 2.121 | ng/ul# | 89 |

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042518\
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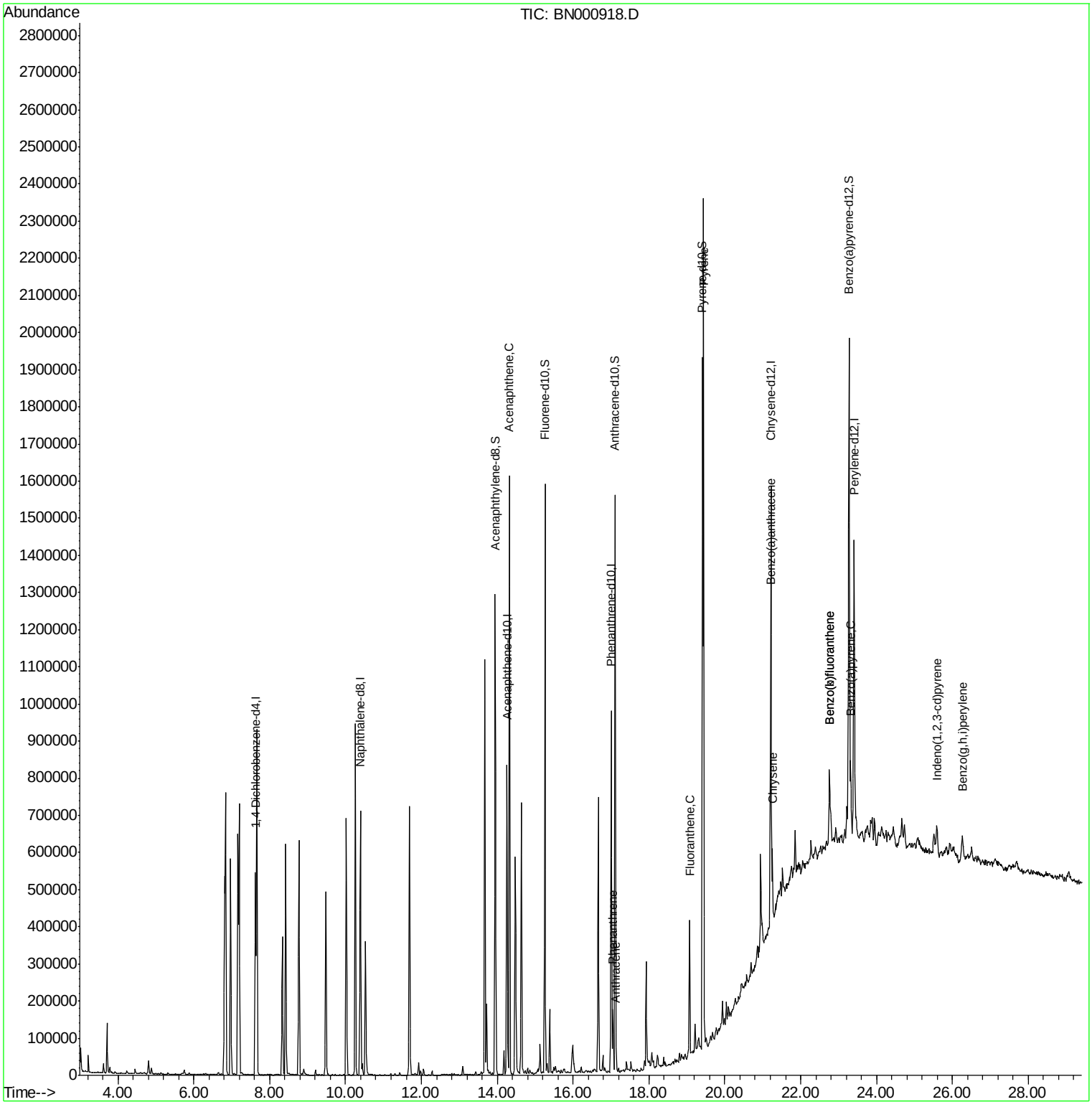
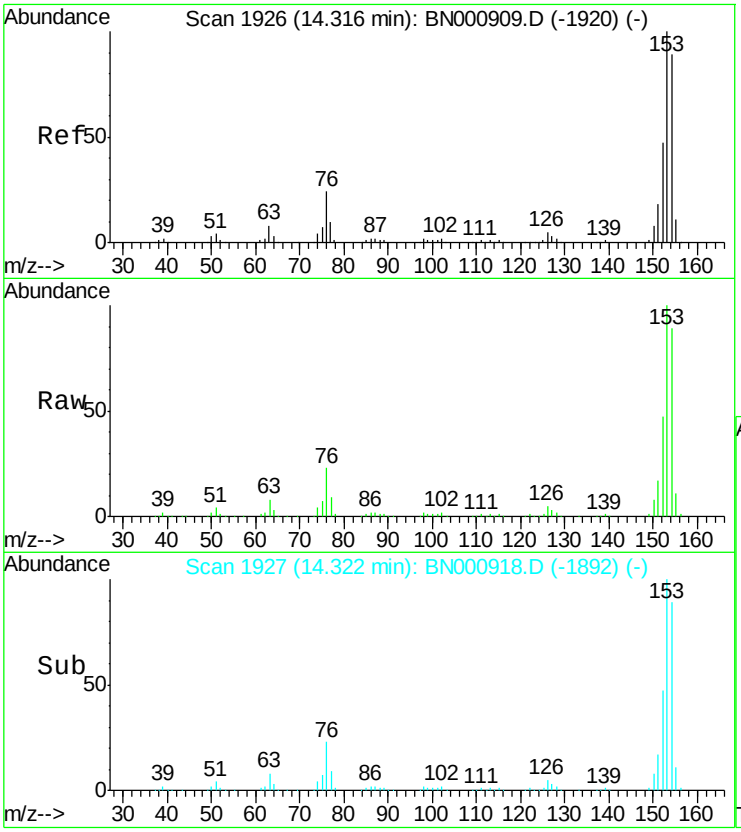
Acq On : 26 Apr 2018 06:49
Operator : JU/SJ
Sample : J2443-20MSD
Misc :
ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Apr 26 08:39:01 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 26 08:36:26 2018
Response via : Initial Calibration



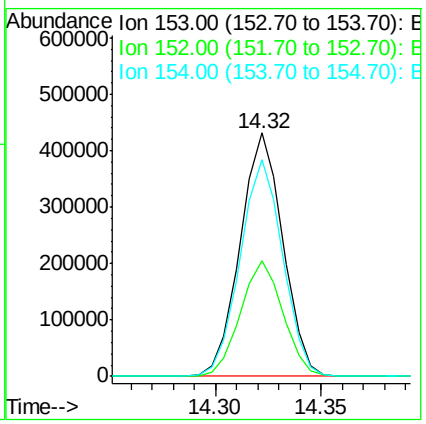


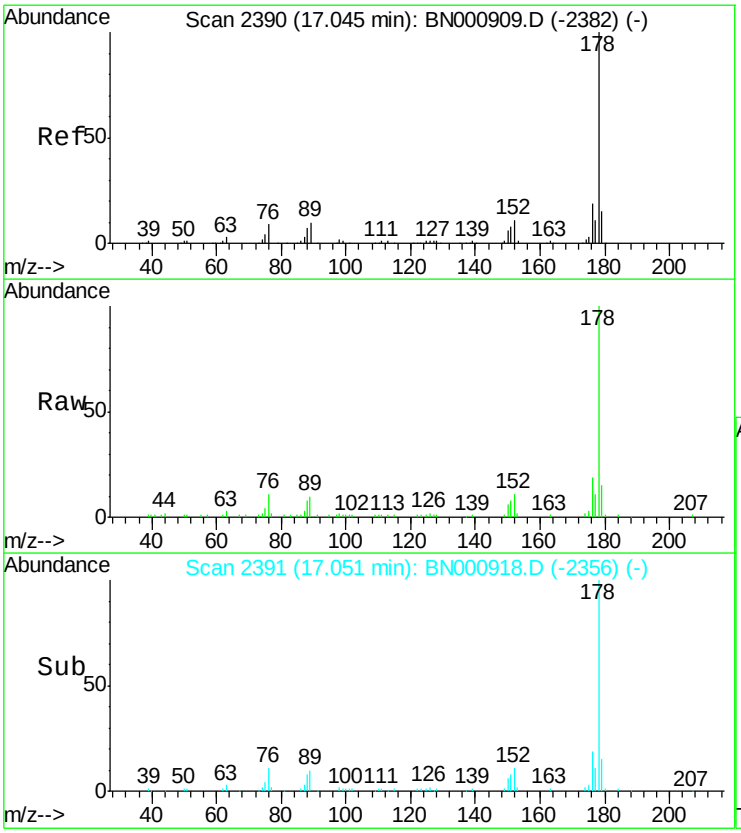

#9
Acenaphthene
Concen: 35.189 ng/ul
RT: 14.32 min Scan# 1927
Delta R.T. 0.01 min
Lab File: BN000918.D
Acq: 26 Apr 2018 06:49

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

Tgt Ion:153 Resp: 603769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 47.5 | 39.0 | 58.6 |
| 154 | 88.8 | 66.8 | 100.2 |

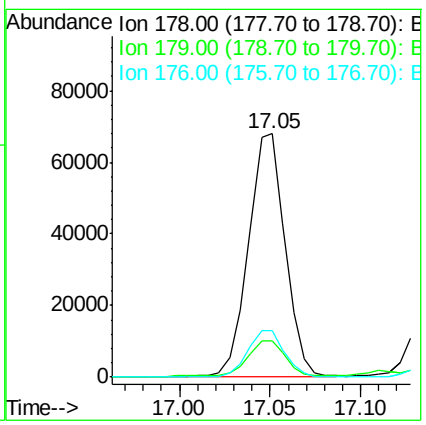


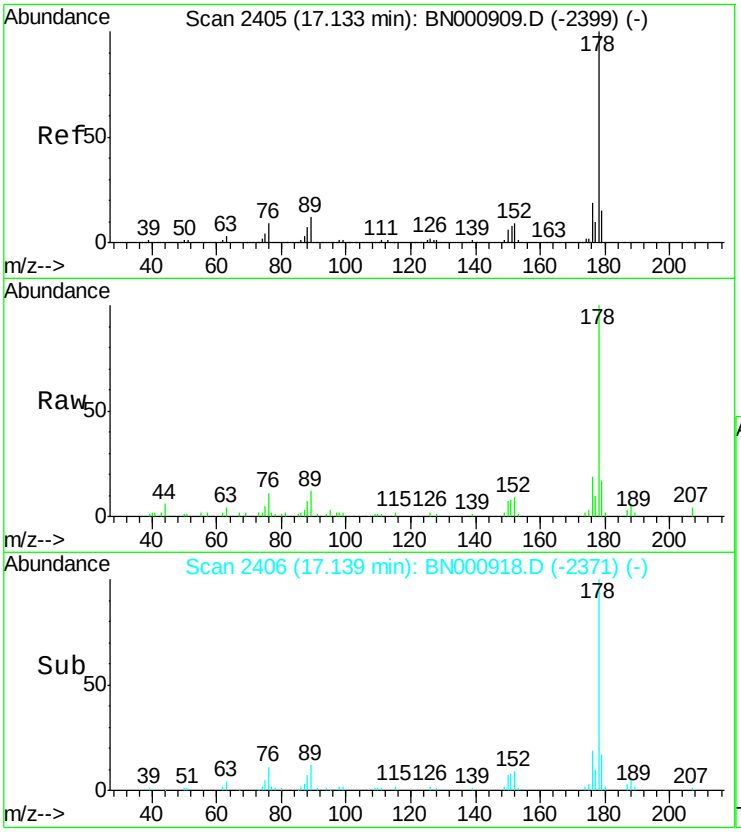




#13
Phenanthrene
Concen: 3.402 ng/ul
RT: 17.05 min Scan# 2391
Delta R.T. 0.01 min
Lab File: BN000918.D
Acq: 26 Apr 2018 06:49

Tgt Ion:178 Resp: 95570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.0 | 12.3 | 18.5 |
| 176 | 19.3 | 15.1 | 22.7 |



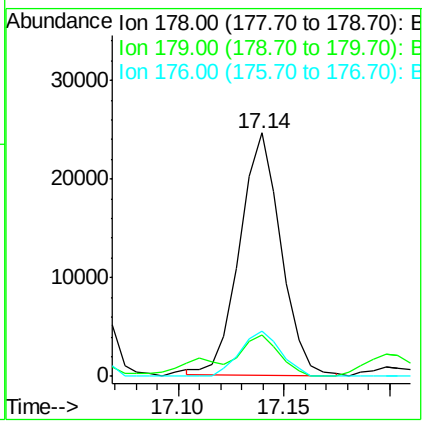


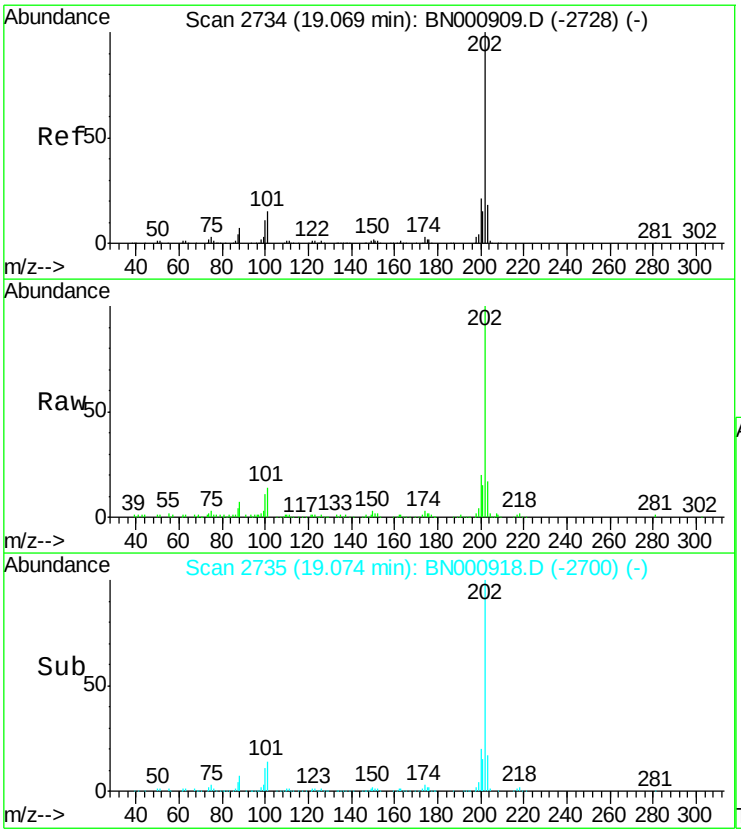

#15
Anthracene
Concen: 1.176 ng/ul
RT: 17.14 min Scan# 2406
Delta R.T. 0.01 min
Lab File: BN000918.D
Acq: 26 Apr 2018 06:49

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

Tgt Ion:178 Resp: 33137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.9 | 11.8 | 17.8 |
| 176 | 18.5 | 15.2 | 22.8 |

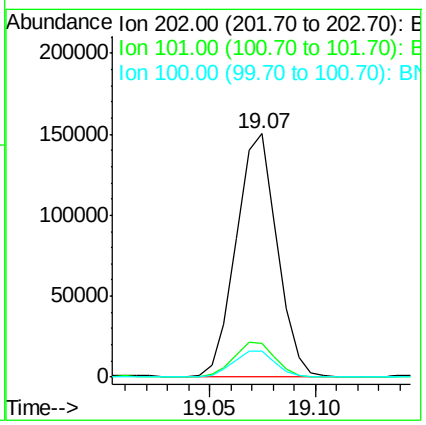


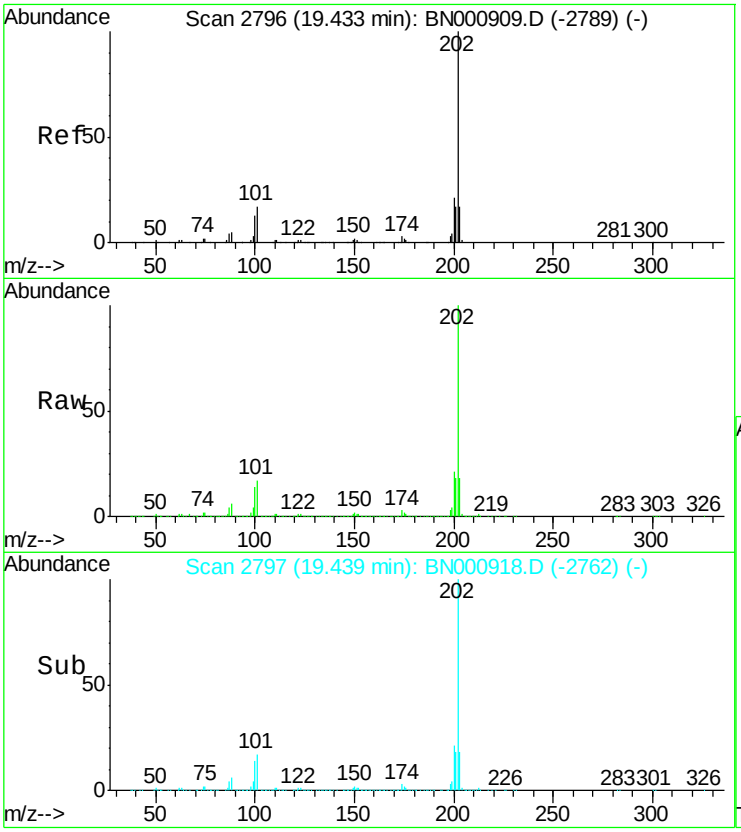




#16
Fluoranthene
Concen: 7.055 ng/ul
RT: 19.07 min Scan# 2735
Delta R.T. 0.01 min
Lab File: BN000918.D
Acq: 26 Apr 2018 06:49

Tgt Ion:202 Resp: 201056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.7 | 9.9 | 14.9 |
| 100 | 10.9 | 7.4 | 11.0 |



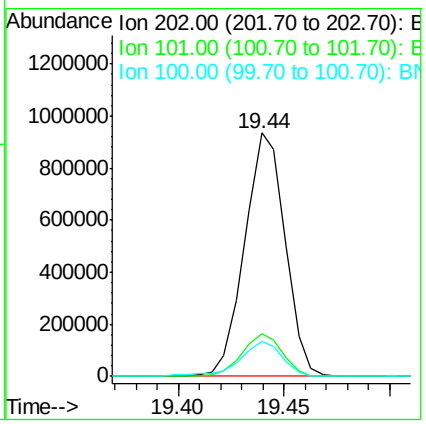


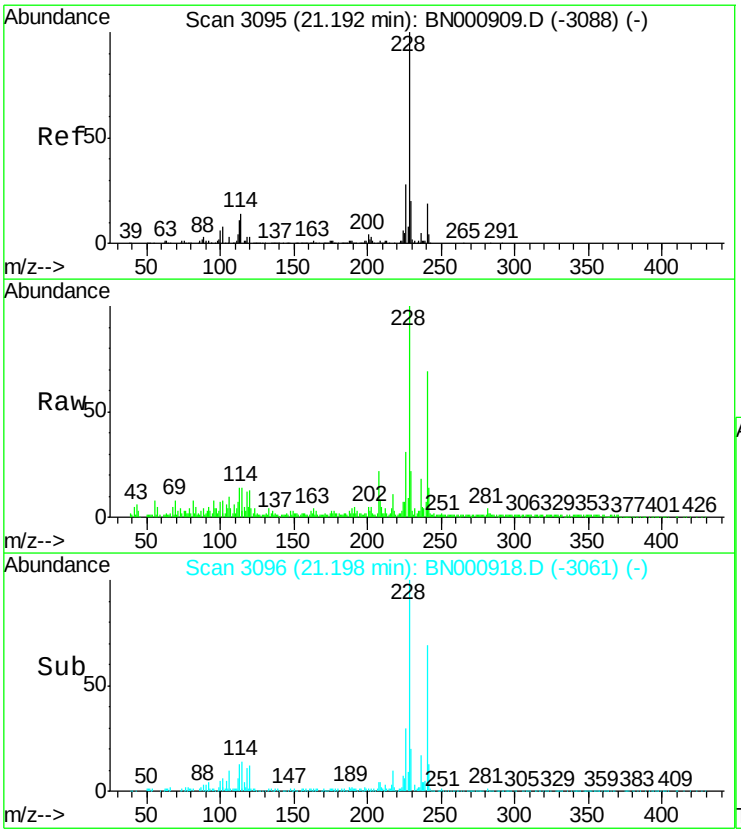

#19
Pyrene
Concen: 39.262 ng/ul
RT: 19.44 min Scan# 2797
Delta R.T. 0.01 min
Lab File: BN000918.D
Acq: 26 Apr 2018 06:49

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

Tgt Ion:202 Resp: 1239543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 17.4 | 11.0 | 16.4# |
| 100 | 14.4 | 8.1 | 12.1# |

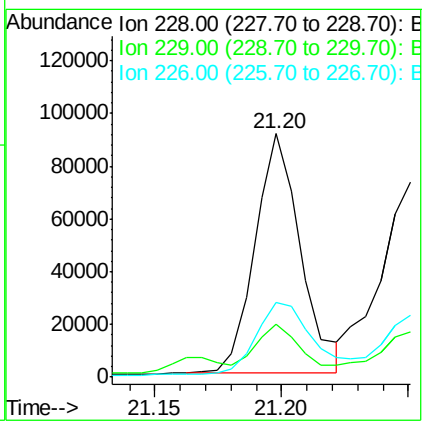


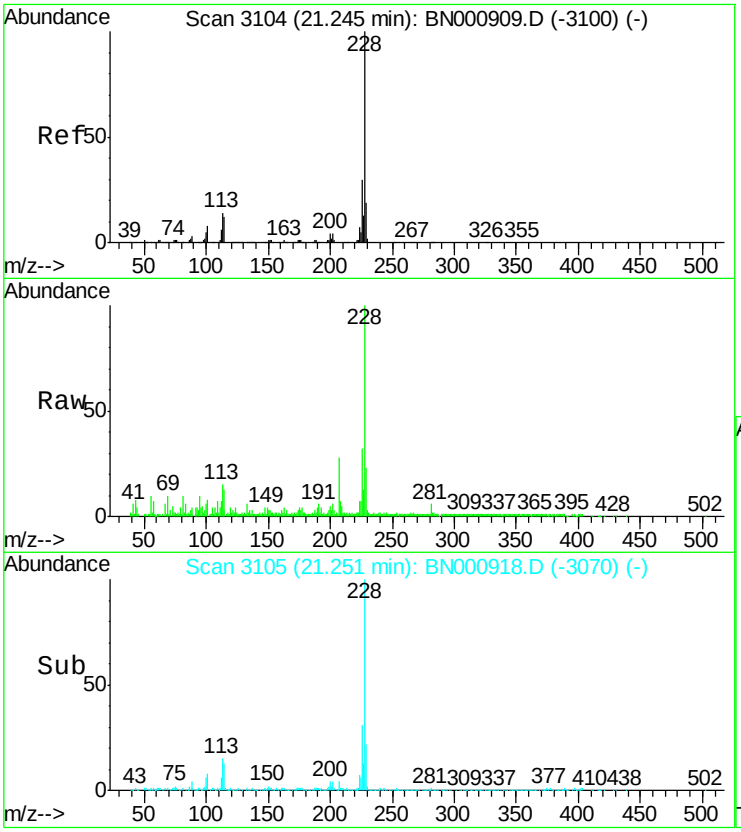




#20
Benzo(a)anthracene
Concen: 3.880 ng/ul
RT: 21.20 min Scan# 3096
Delta R.T. 0.01 min
Lab File: BN000918.D
Acq: 26 Apr 2018 06:49

Tgt Ion:228 Resp: 113991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.6 | 15.7 | 23.5 |
| 226 | 30.7 | 21.1 | 31.7 |



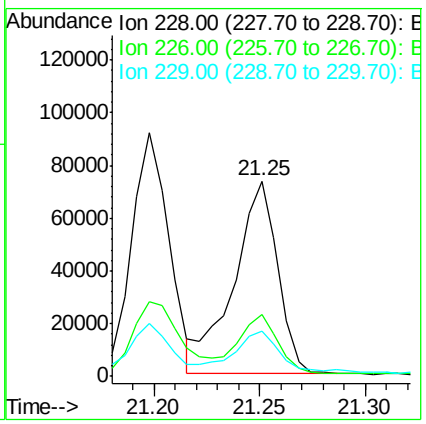


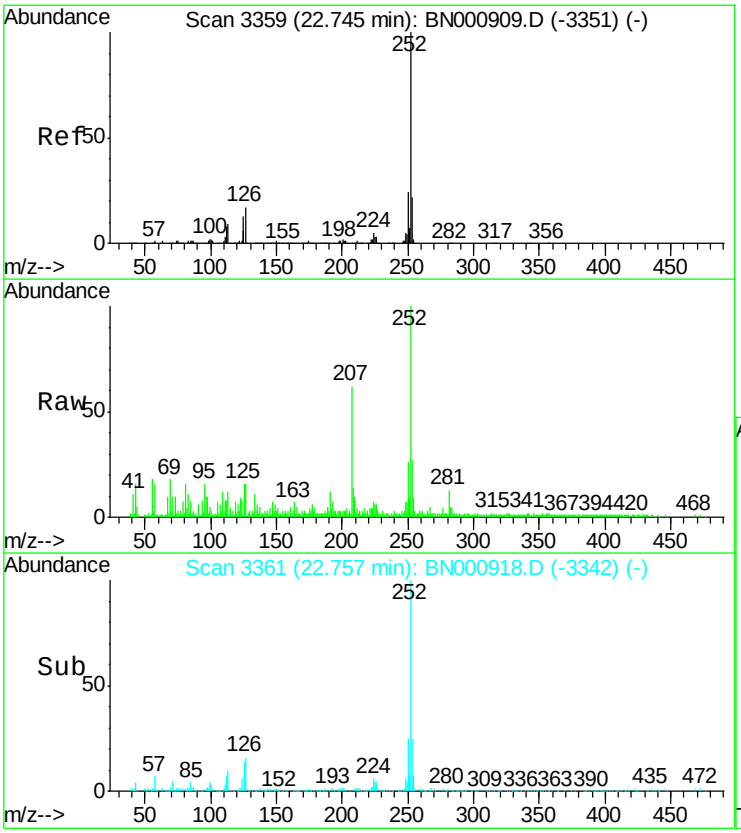

#21
Chrysene
Concen: 3.788 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. 0.01 min
Lab File: BN000918.D
Acq: 26 Apr 2018 06:49

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

Tgt Ion:228 Resp: 104614

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.5 | 24.5 | 36.7 |
| 229 | 23.1 | 15.8 | 23.8 |

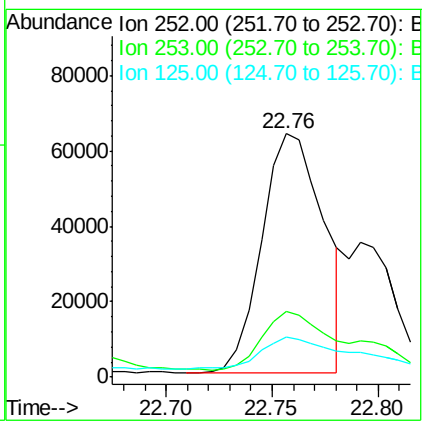


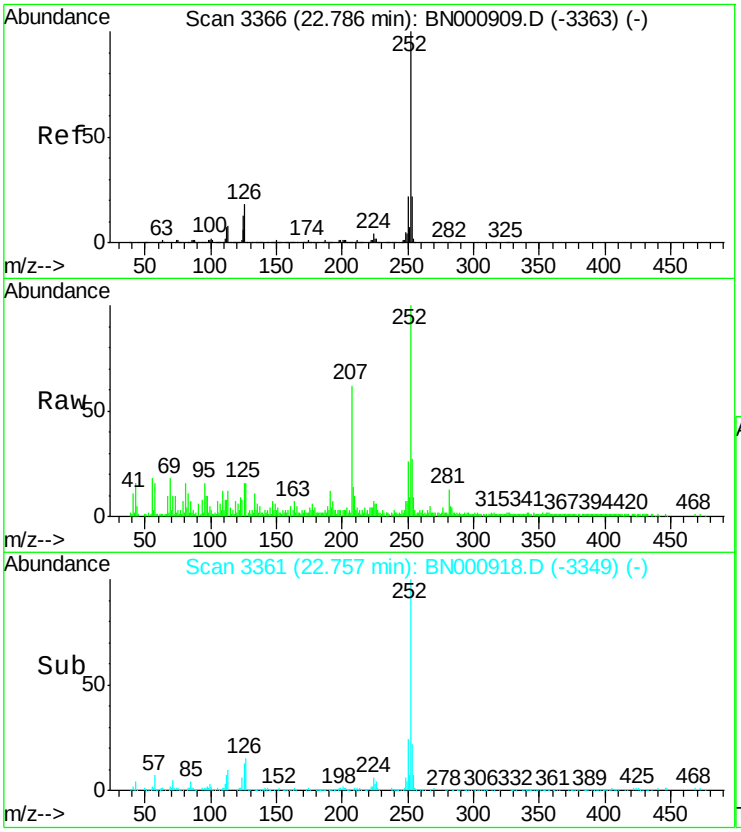




#23
Benzo(b)fluoranthene
Concen: 4.283 ng/ul
RT: 22.76 min Scan# 3361
Delta R.T. 0.01 min
Lab File: BN000918.D
Acq: 26 Apr 2018 06:49

Tgt Ion:252 Resp: 128382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.0 | 18.0 | 27.0 |
| 125 | 16.4 | 8.0 | 12.0# |



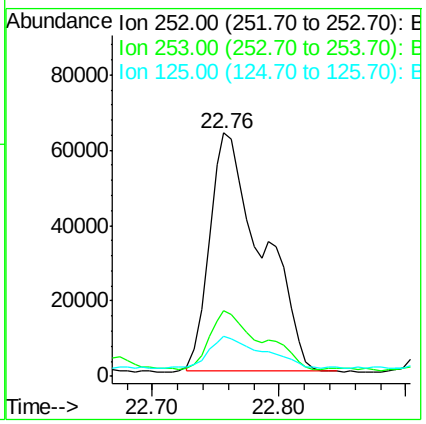


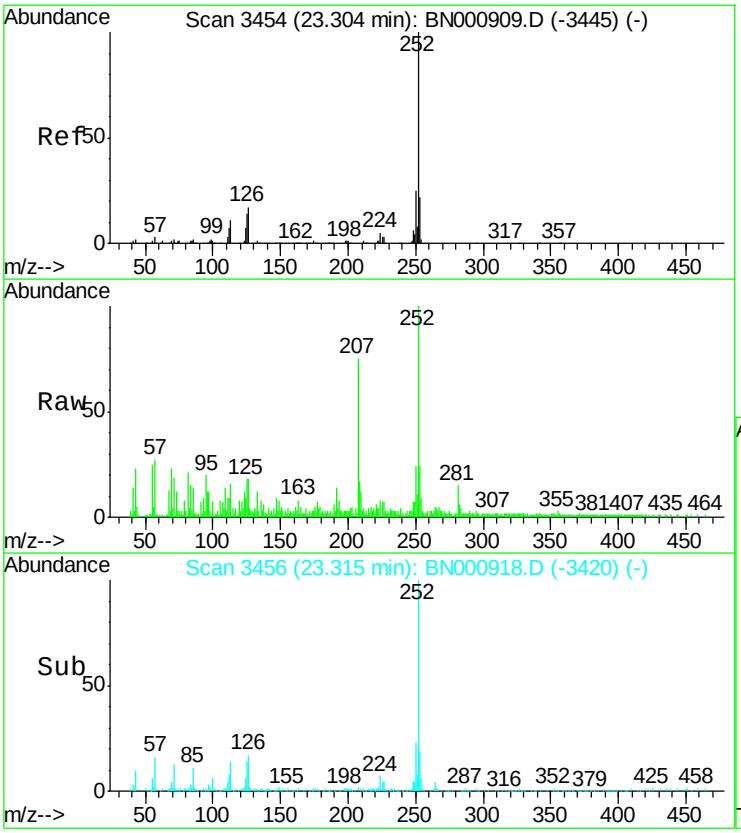

#24
Benzo(k)fluoranthene
Concen: 6.194 ng/ul
RT: 22.76 min Scan# 3361
Delta R.T. -0.03 min
Lab File: BN000918.D
Acq: 26 Apr 2018 06:49

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

Tgt Ion:252 Resp: 181677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.0 | 18.0 | 27.0 |
| 125 | 16.4 | 8.1 | 12.1# |

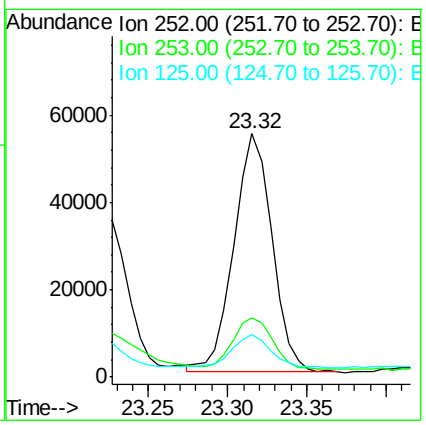


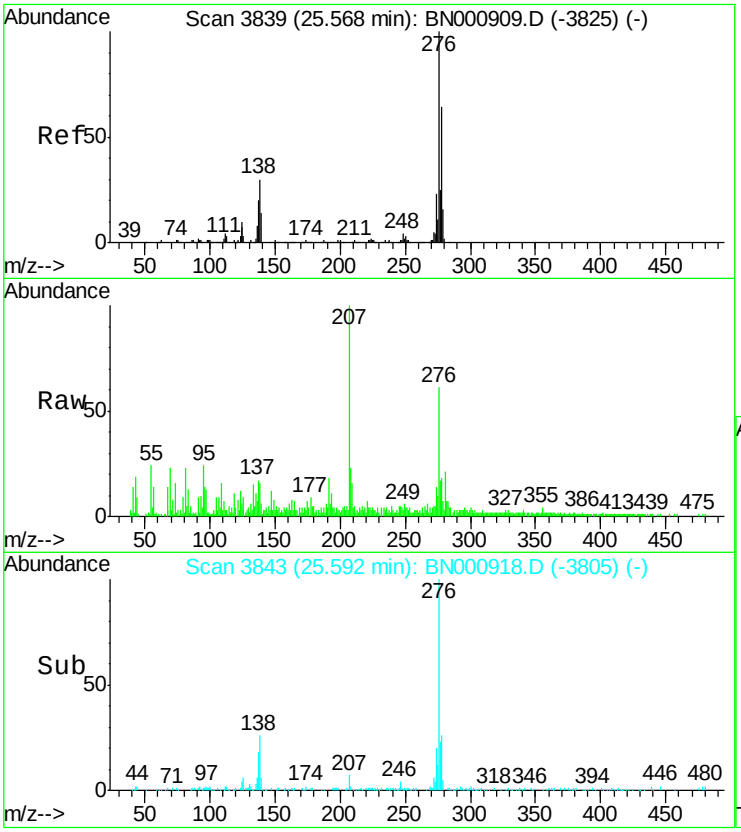




#26
Benzo(a)pyrene
Concen: 3.176 ng/ul
RT: 23.32 min Scan# 3456
Delta R.T. 0.01 min
Lab File: BN000918.D
Acq: 26 Apr 2018 06:49

Tgt Ion:252 Resp: 90974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.2 | 17.2 | 25.8 |
| 125 | 17.5 | 8.2 | 12.4# |



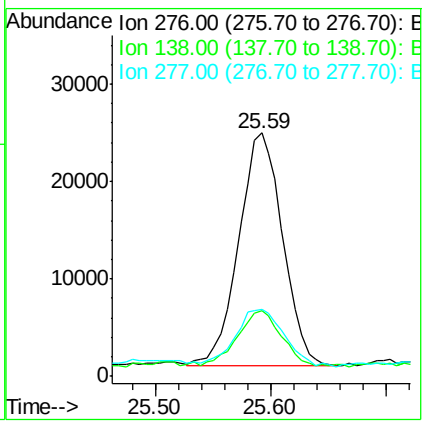


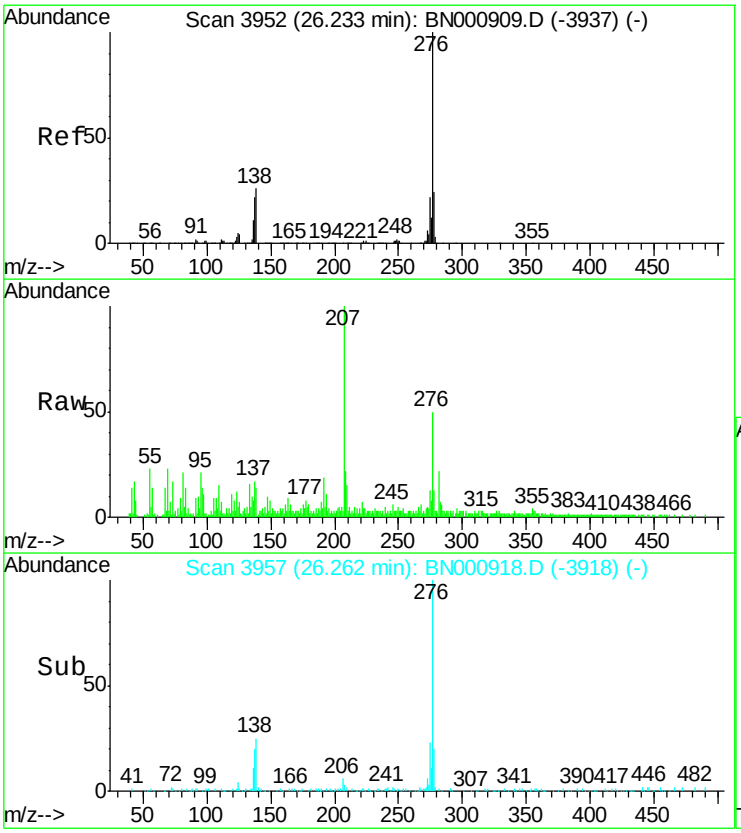

#27
Indeno(1,2,3-cd)pyrene
Concen: 1.812 ng/ul
RT: 25.59 min Scan# 3843
Delta R.T. 0.02 min
Lab File: BN000918.D
Acq: 26 Apr 2018 06:49

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

Tgt Ion:276 Resp: 62688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.1 | 14.4 | 21.6# |
| 277 | 27.6 | 18.0 | 27.0# |




#29
Benzo(g,h,i)perylene
Concen: 2.121 ng/ul
RT: 26.26 min Scan# 3957
Delta R.T. 0.03 min
Lab File: BN000918.D
Acq: 26 Apr 2018 06:49

Tgt Ion:276 Resp: 61368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.1 | 15.3 | 22.9# |
| 277 | 25.8 | 19.0 | 28.4 |