Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031318\
Data File : BN000351.D
Acq On : 13 Mar 2018 16:24
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** SSTD02099

Quant Time: Mar 14 05:44:46 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 14 05:40:51 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.45 | 152 | 141126 | 20.00 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 11.29 | 136 | 694783 | 20.00 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 15.06 | 164 | 410137 | 20.00 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 17.79 | 188 | 969669 | 20.00 | ng/ul | 0.00 |
| 17) Chrysene-d12 | 21.90 | 240 | 1218237 | 20.00 | ng/ul | 0.00 |
| 22) Perylene-d12 | 24.39 | 264 | 1202640 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 7) Acenaphthylene-d8 | 14.76 | 160 | 857309 | 21.06 | ng/ul | 0.00 |
| 10) Fluorene-d10 | 16.05 | 176 | 584629 | 21.21 | ng/ul | 0.00 |
| 14) Anthracene-d10 | 17.88 | 188 | 952125 | 21.02 | ng/ul | 0.00 |
| 18) Pyrene-d10 | 20.13 | 212 | 1173264 | 19.69 | ng/ul | 0.00 |
| 25) Benzo(a)pyrene-d12 | 24.23 | 264 | 1154935 | 21.03 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 11.34 | 128 | 741237 | 20.217 | ng/ul | 99 |
| 4) 2-Methylnaphthalene | 12.92 | 142 | 517436 | 20.049 | ng/ul | 96 |
| 5) 1-Methylnaphthalene | 13.13 | 142 | 519861 | 20.071 | ng/ul# | 93 |
| 8) Acenaphthylene | 14.79 | 152 | 854139 | 20.881 | ng/ul | 98 |
| 9) Acenaphthene | 15.13 | 153 | 577976 | 20.301 | ng/ul | 95 |
| 11) Fluorene | 16.10 | 166 | 662774 | 21.107 | ng/ul | 94 |
| 13) Phenanthrene | 17.83 | 178 | 1121204 | 20.162 | ng/ul | 99 |
| 15) Anthracene | 17.92 | 178 | 1181016 | 20.930 | ng/ul | 99 |
| 16) Fluoranthene | 19.80 | 202 | 1443594 | 24.026 | ng/ul# | 94 |
| 19) Pyrene | 20.16 | 202 | 1510169 | 19.635 | ng/ul# | 89 |
| 20) Benzo(a)anthracene | 21.89 | 228 | 1565302 | 20.668 | ng/ul | 99 |
| 21) Chrysene | 21.94 | 228 | 1471743 | 20.477 | ng/ul | 100 |
| 23) Benzo(b)fluoranthene | 23.63 | 252 | 1485494 | 20.714 | ng/ul# | 96 |
| 24) Benzo(k)fluoranthene | 23.68 | 252 | 1383401 | 20.608 | ng/ul# | 96 |
| 26) Benzo(a)pyrene | 24.28 | 252 | 1412251 | 20.691 | ng/ul# | 94 |
| 27) Indeno(1,2,3-cd)pyrene | 26.96 | 276 | 1548199 | 21.038 | ng/ul# | 81 |
| 28) Dibenzo(a,h)anthracene | 26.96 | 278 | 1296291 | 21.490 | ng/ul# | 91 |
| 29) Benzo(g,h,i)perylene | 27.75 | 276 | 1285610 | 20.922 | ng/ul# | 89 |

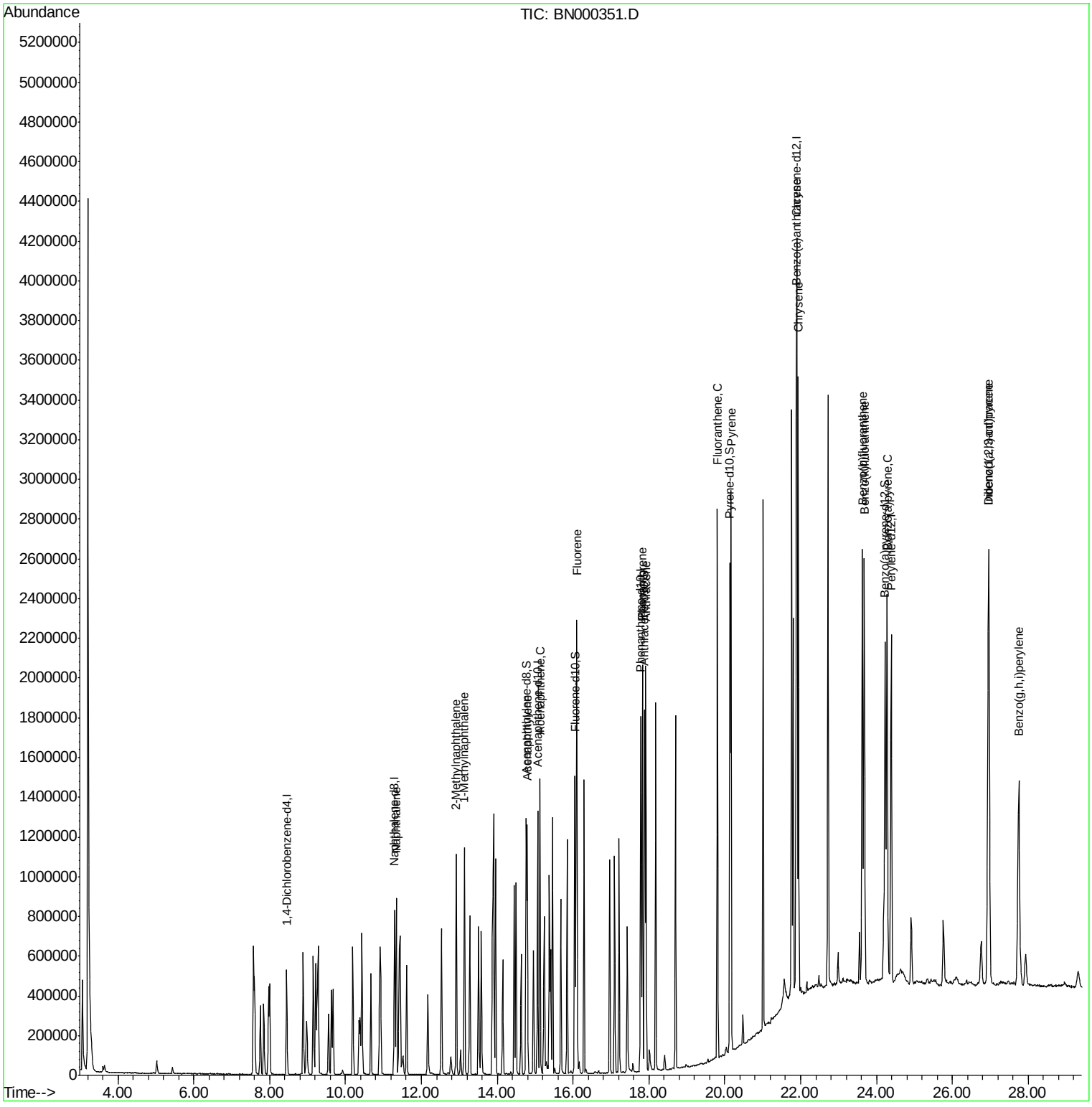
(#) = qualifier out of range (m) = manual integration (+) = signals summed

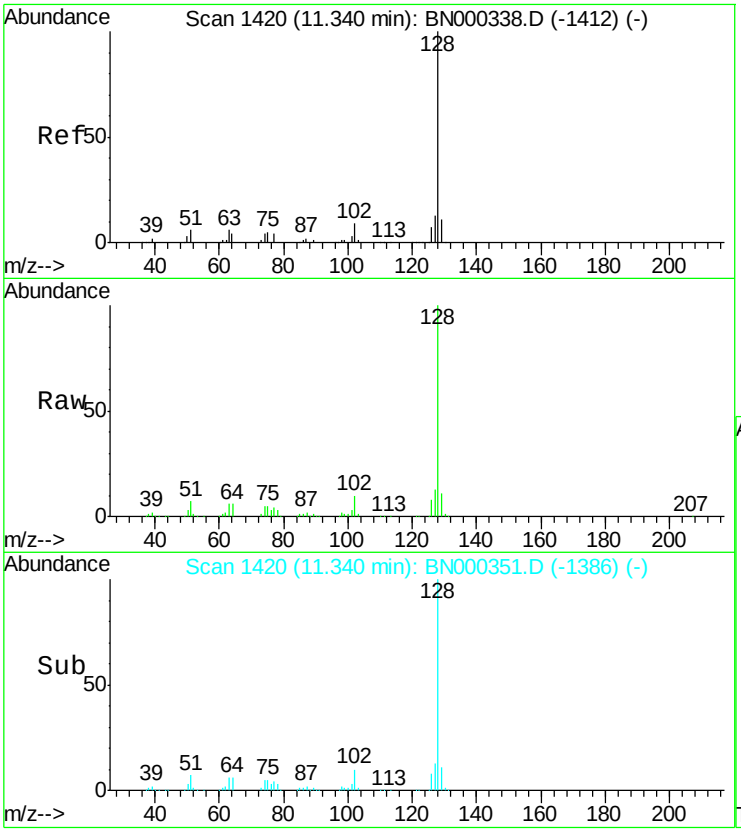
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031318\
Data File : BN000351.D
Acq On : 13 Mar 2018 16:24
Operator : JU/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD02099

Quant Time: Mar 14 05:44:46 2018
Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Mar 14 05:40:51 2018
Response via : Initial Calibration



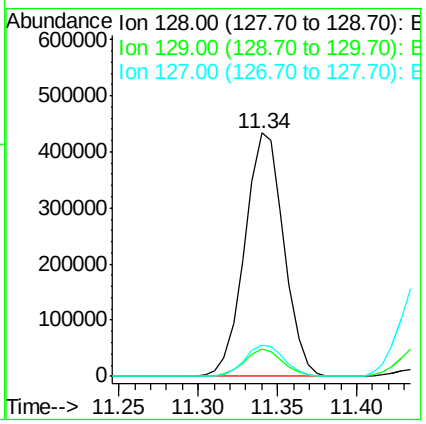


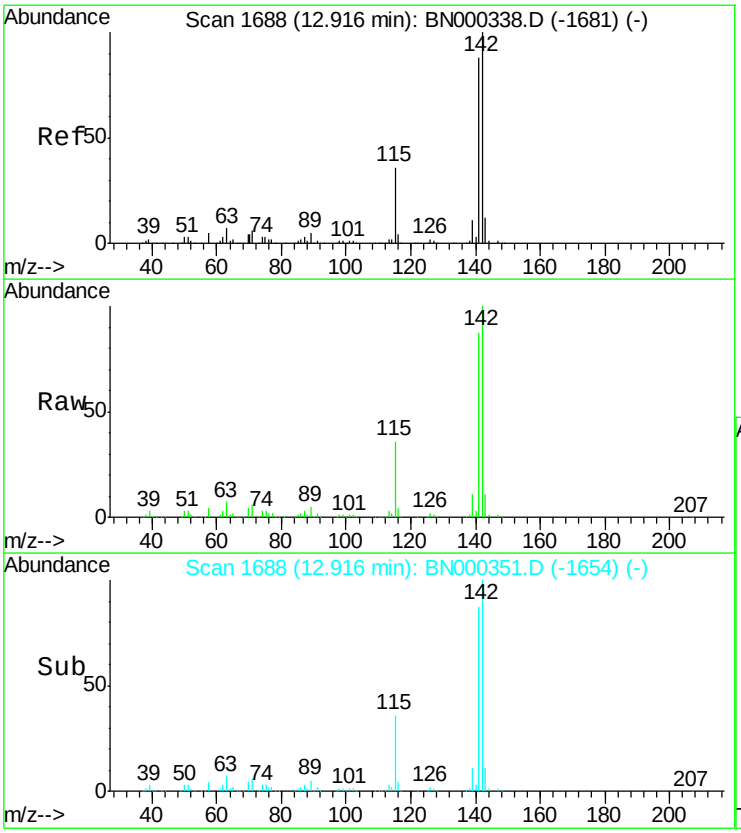

#3
Naphthalene
Concen: 20.217 ng/ul
RT: 11.34 min Scan# 1420
Delta R.T. 0.00 min
Lab File: BN000351.D
Acq: 13 Mar 2018 16:24

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD02099

Tgt Ion:128 Resp: 741237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 8.7 | 13.1 |
| 127 | 12.8 | 10.6 | 16.0 |

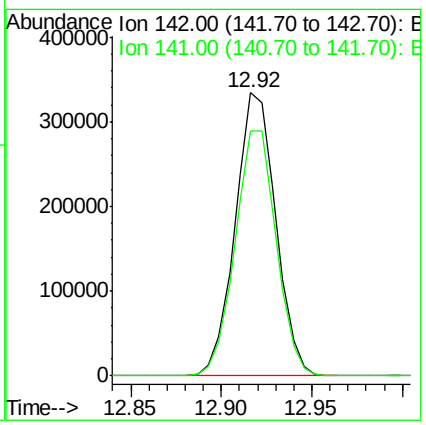


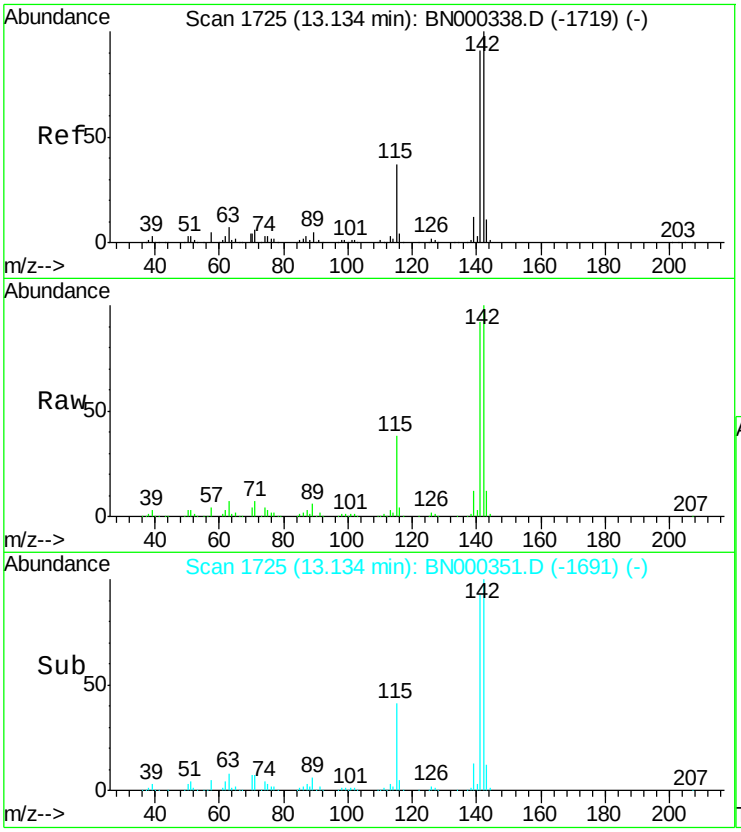




#4
2-Methylnaphthalene
Concen: 20.049 ng/ul
RT: 12.92 min Scan# 1688
Delta R.T. 0.00 min
Lab File: BN000351.D
Acq: 13 Mar 2018 16:24

Tgt Ion:142 Resp: 517436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.8 | 72.7 | 109.1 |



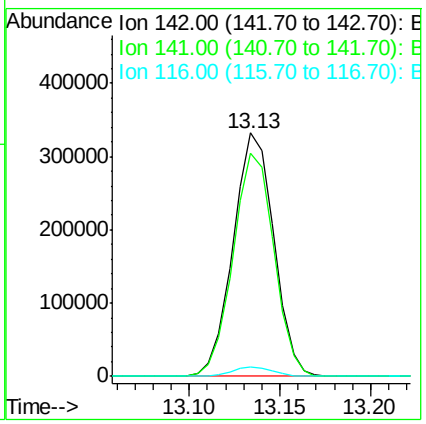


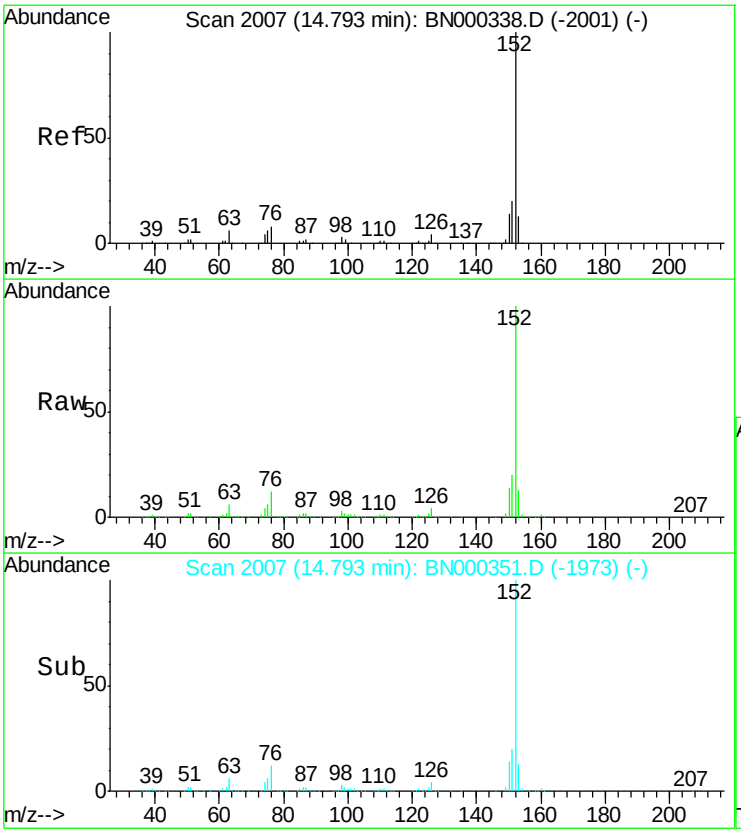

#5
1-Methylnaphthalene
Concen: 20.071 ng/ul
RT: 13.13 min Scan# 1725
Delta R.T. 0.00 min
Lab File: BN000351.D
Acq: 13 Mar 2018 16:24

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD02099

Tgt Ion:142 Resp: 519861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.8 | 79.3 | 118.9 |
| 116 | 4.1 | 4.2 | 6.2# |

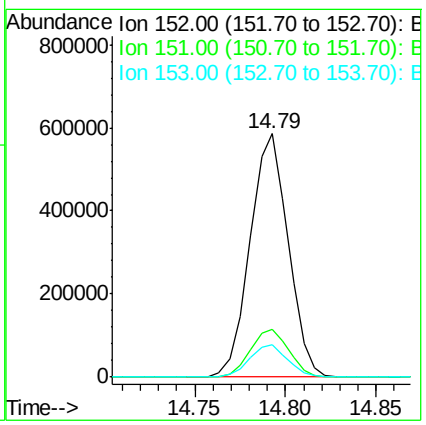


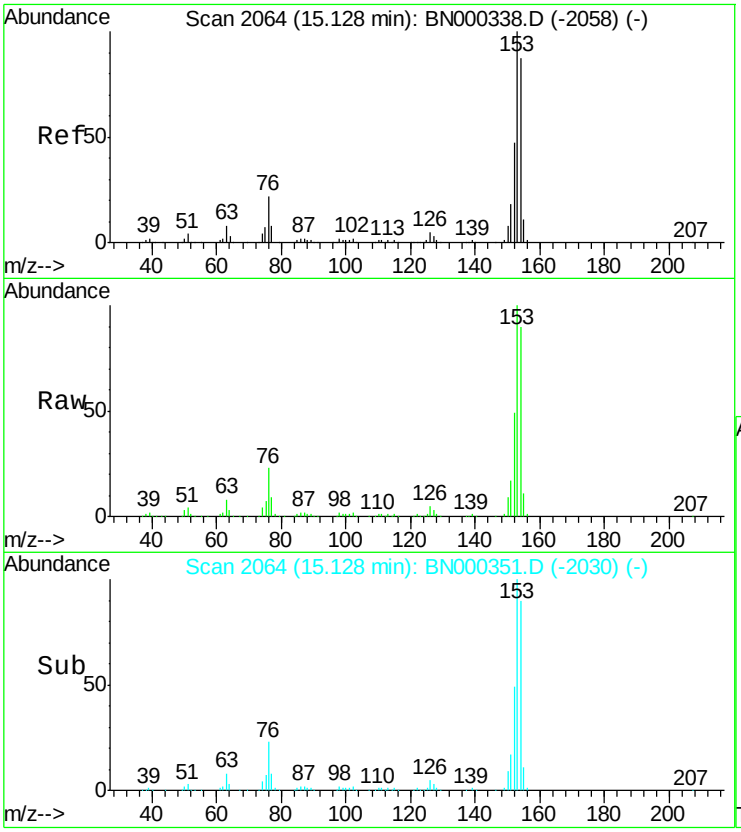




#8
Acenaphthylene
Concen: 20.881 ng/ul
RT: 14.79 min Scan# 2007
Delta R.T. 0.00 min
Lab File: BN000351.D
Acq: 13 Mar 2018 16:24

Tgt Ion:152 Resp: 854139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 16.7 | 25.1 |
| 153 | 13.1 | 10.2 | 15.4 |



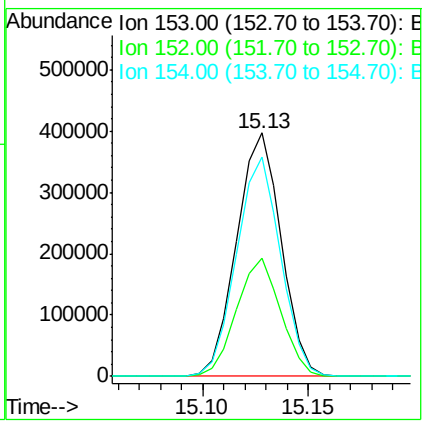


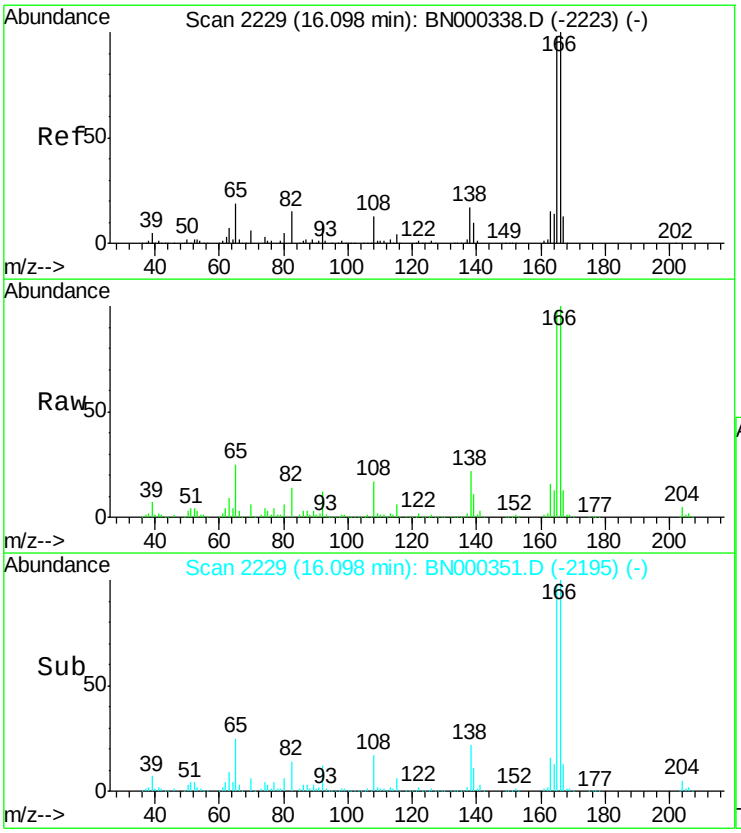

#9
Acenaphthene
Concen: 20.301 ng/ul
RT: 15.13 min Scan# 2064
Delta R.T. 0.00 min
Lab File: BN000351.D
Acq: 13 Mar 2018 16:24

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD02099

Tgt Ion:153 Resp: 577976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 48.6 | 39.0 | 58.6 |
| 154 | 89.9 | 66.8 | 100.2 |

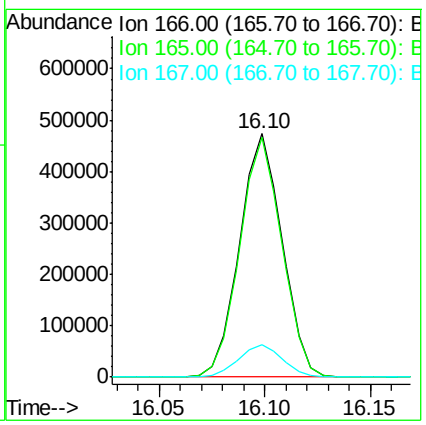


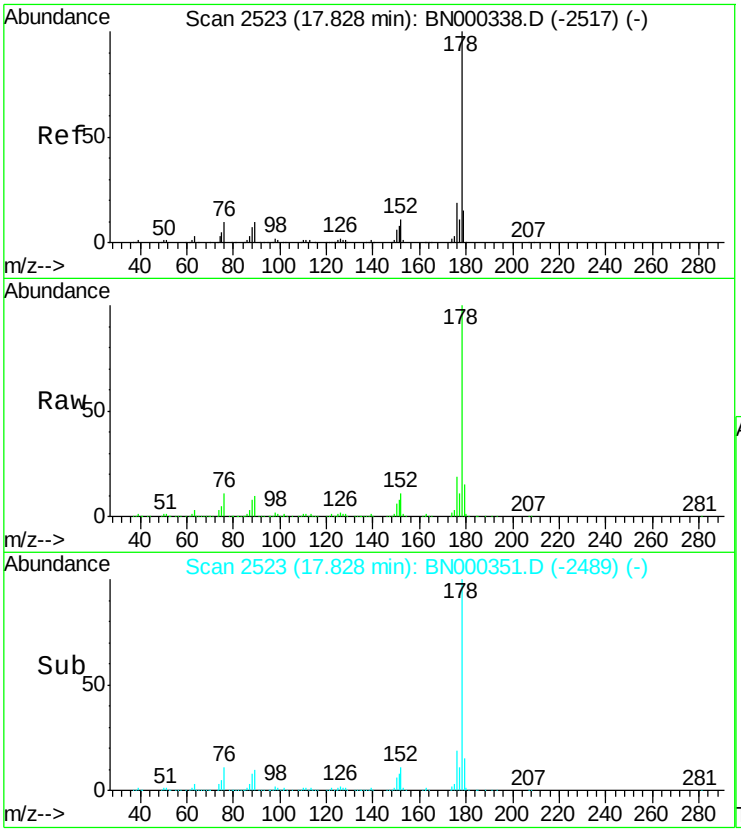




#11
Fluorene
Concen: 21.107 ng/ul
RT: 16.10 min Scan# 2229
Delta R.T. 0.00 min
Lab File: BN000351.D
Acq: 13 Mar 2018 16:24

Tgt Ion:166 Resp: 662774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.3 | 83.8 | 125.8 |
| 167 | 13.4 | 11.5 | 17.3 |



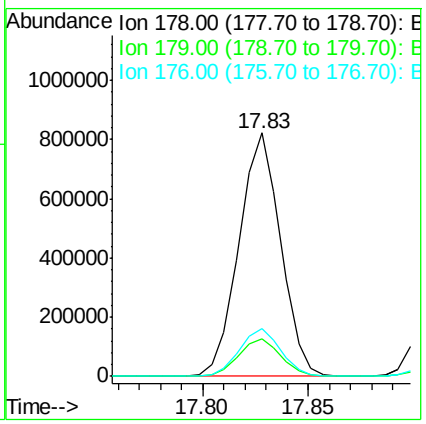


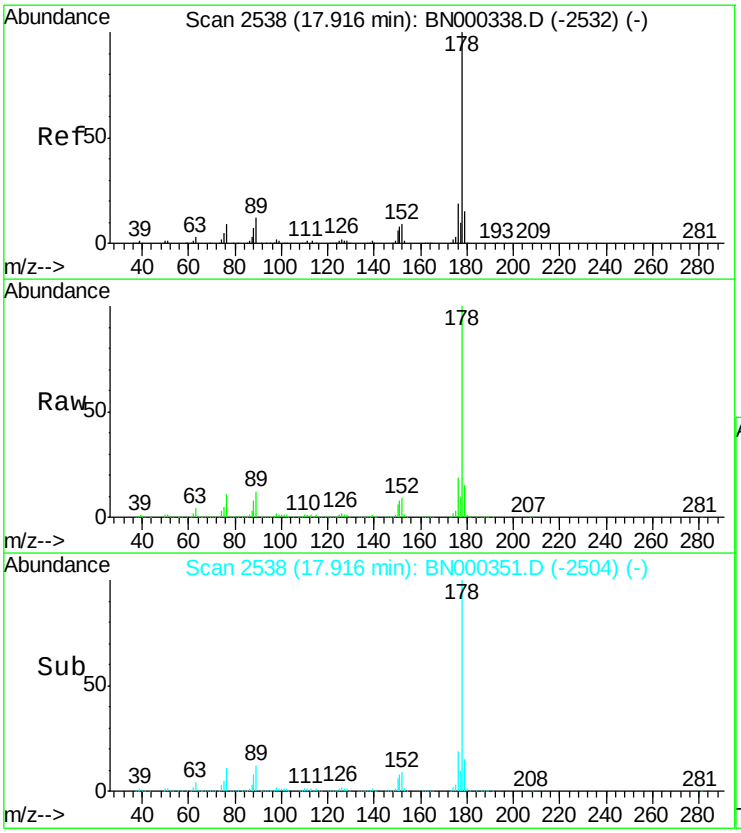

#13
Phenanthrene
Concen: 20.162 ng/ul
RT: 17.83 min Scan# 2523
Delta R.T. 0.00 min
Lab File: BN000351.D
Acq: 13 Mar 2018 16:24

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD02099

Tgt Ion:178 Resp: 1121204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.3 | 12.3 | 18.5 |
| 176 | 19.4 | 15.1 | 22.7 |

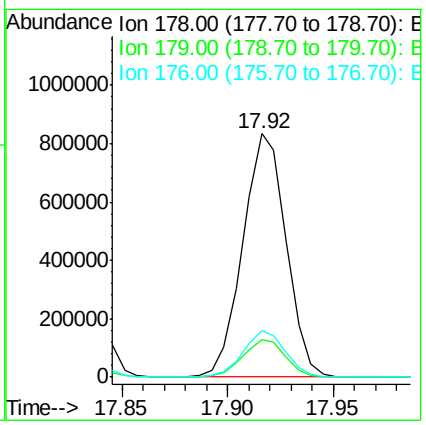


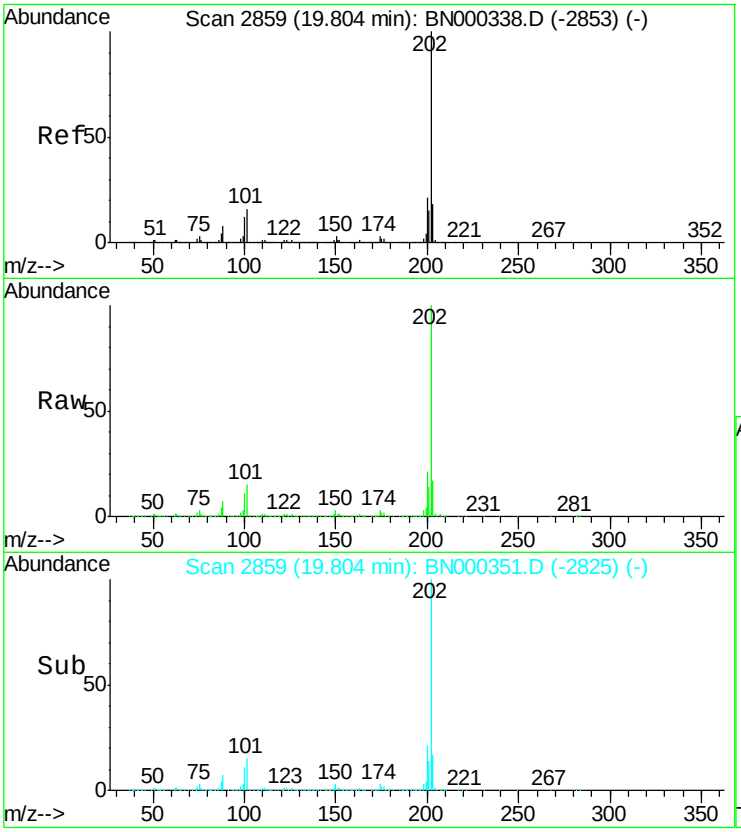




#15
Anthracene
Concen: 20.930 ng/ul
RT: 17.92 min Scan# 2538
Delta R.T. 0.00 min
Lab File: BN000351.D
Acq: 13 Mar 2018 16:24

Tgt Ion:178 Resp: 1181016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.3 | 11.8 | 17.8 |
| 176 | 18.9 | 15.2 | 22.8 |



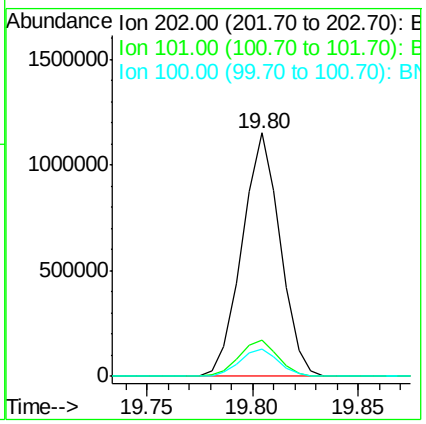


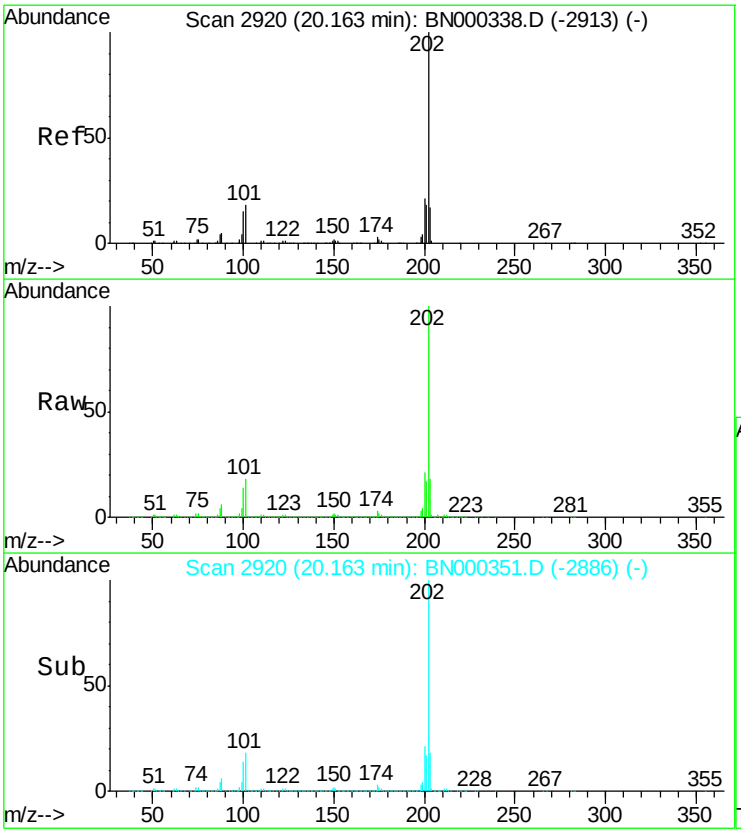

#16
Fluoranthene
Concen: 24.026 ng/ul
RT: 19.80 min Scan# 2859
Delta R.T. 0.00 min
Lab File: BN000351.D
Acq: 13 Mar 2018 16:24

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD02099

Tgt Ion:202 Resp: 1443594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.6 | 9.9 | 14.9 |
| 100 | 11.3 | 7.4 | 11.0# |

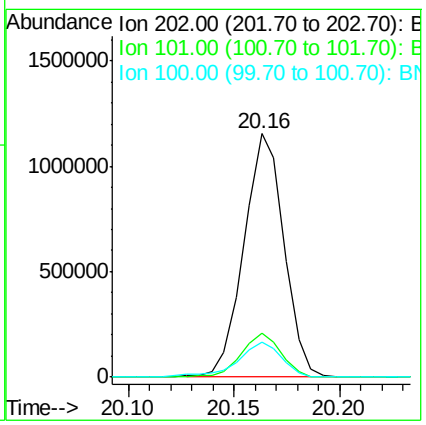


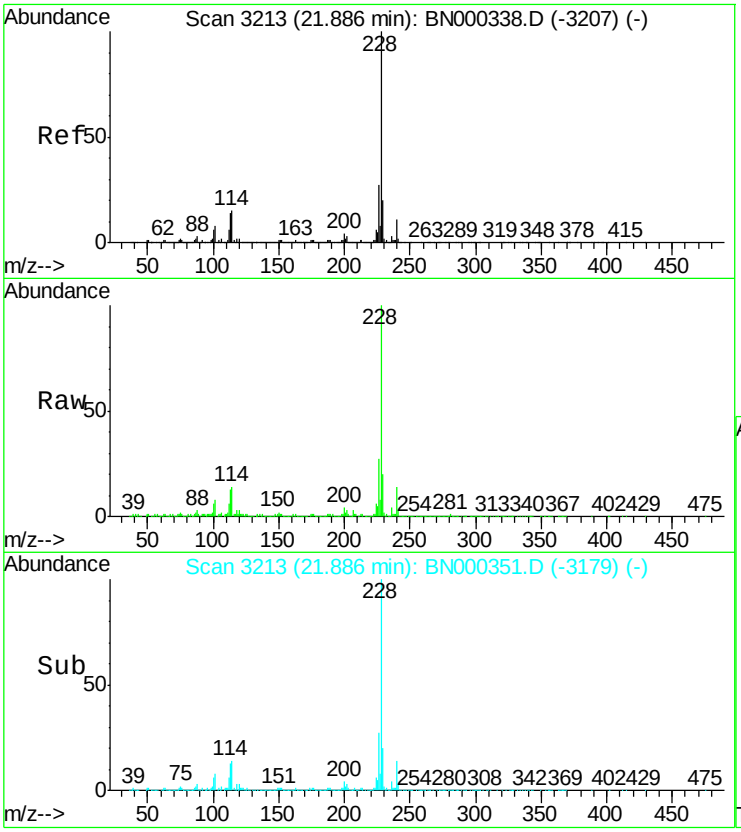




#19
Pyrene
Concen: 19.635 ng/ul
RT: 20.16 min Scan# 2920
Delta R.T. 0.00 min
Lab File: BN000351.D
Acq: 13 Mar 2018 16:24

Tgt Ion:202 Resp: 1510169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 17.9 | 11.0 | 16.4# |
| 100 | 14.4 | 8.1 | 12.1# |



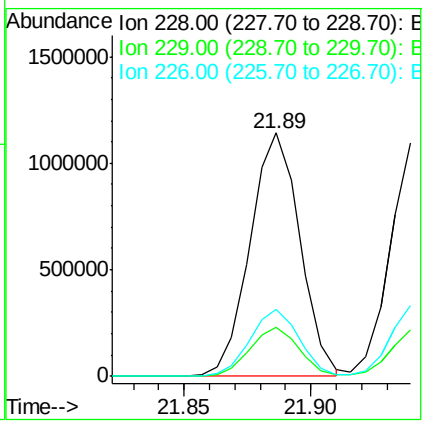


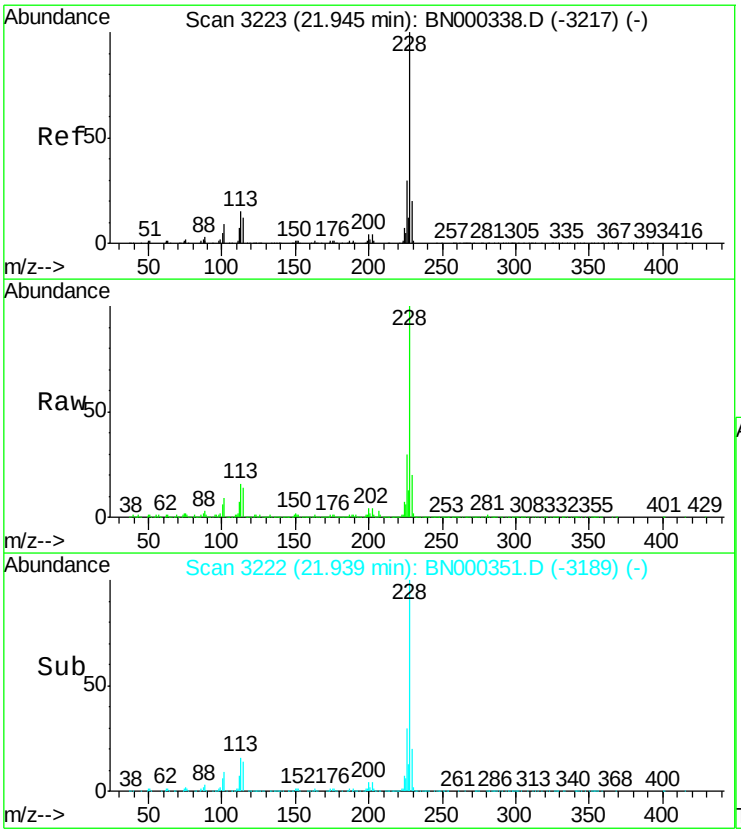

#20
Benzo(a)anthracene
Concen: 20.668 ng/ul
RT: 21.89 min Scan# 3213
Delta R.T. 0.00 min
Lab File: BN000351.D
Acq: 13 Mar 2018 16:24

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD02099

Tgt Ion:228 Resp: 1565302

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.0 | 15.7 | 23.5 |
| 226 | 27.3 | 21.1 | 31.7 |

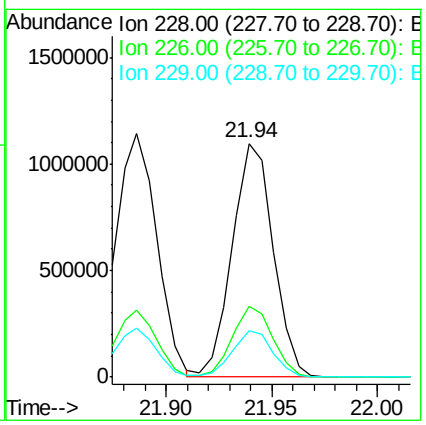


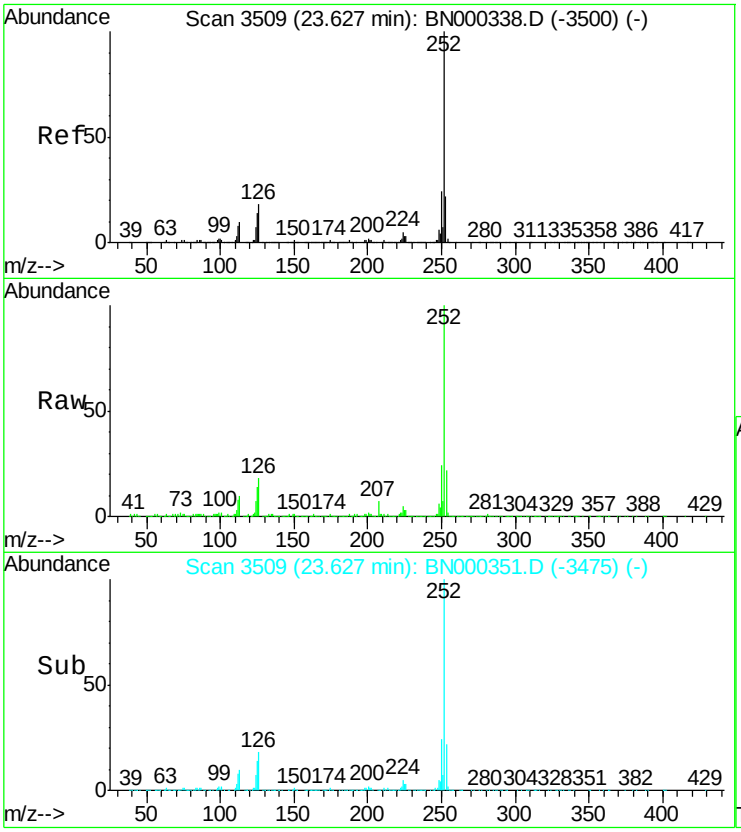




#21
Chrysene
Concen: 20.477 ng/ul
RT: 21.94 min Scan# 3222
Delta R.T. -0.01 min
Lab File: BN000351.D
Acq: 13 Mar 2018 16:24

Tgt Ion:228 Resp: 1471743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.4 | 24.5 | 36.7 |
| 229 | 19.8 | 15.8 | 23.8 |



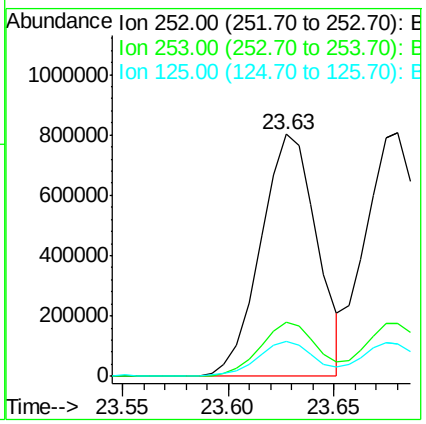


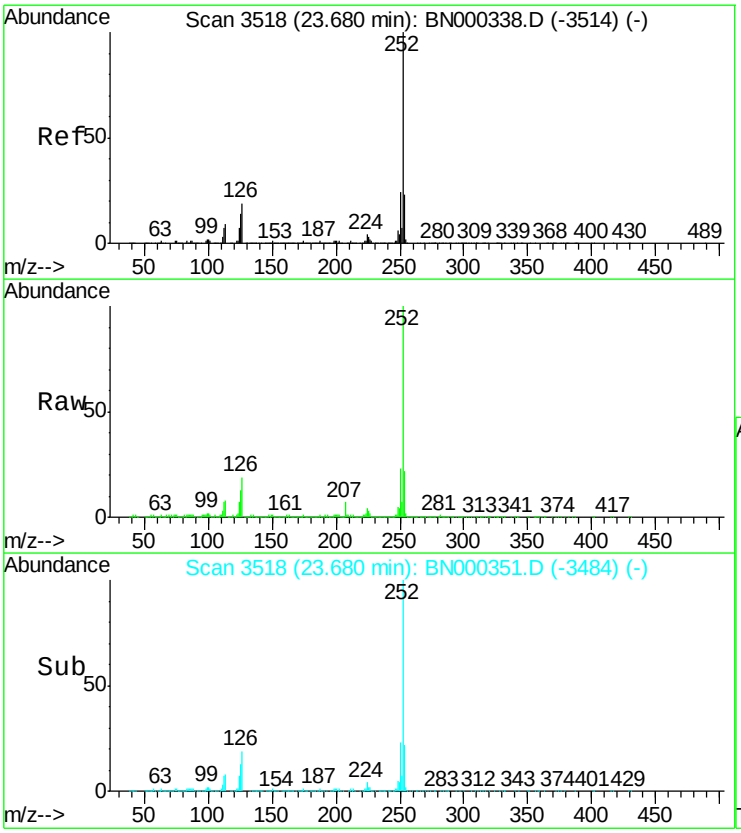

#23
Benzo(b)fluoranthene
Concen: 20.714 ng/ul
RT: 23.63 min Scan# 3509
Delta R.T. 0.00 min
Lab File: BN000351.D
Acq: 13 Mar 2018 16:24

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD02099

Tgt Ion:252 Resp: 1485494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 18.0 | 27.0 |
| 125 | 14.3 | 8.0 | 12.0# |

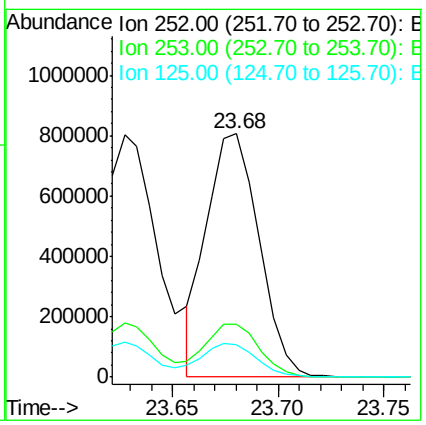


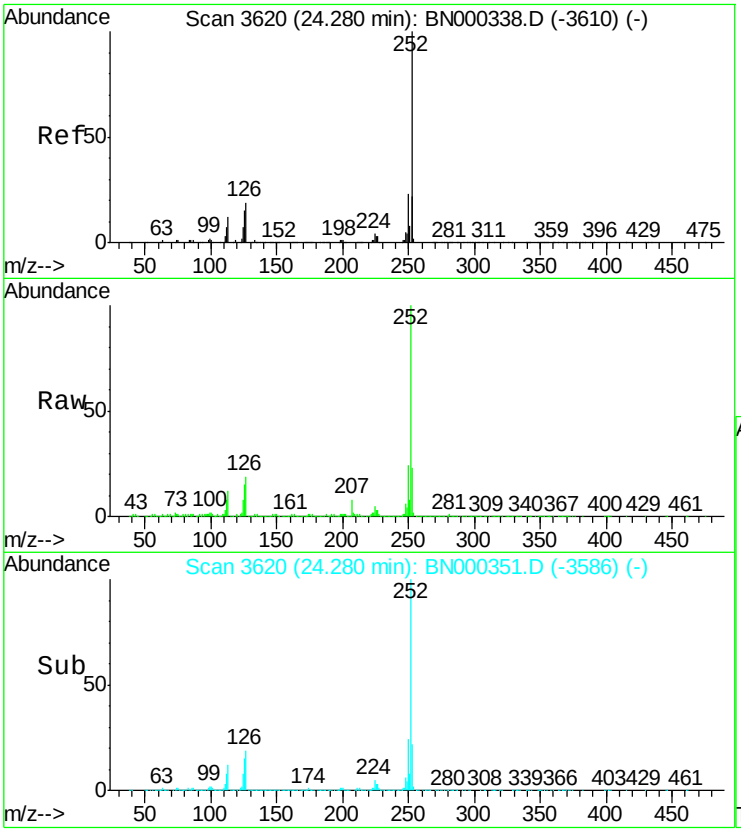




#24
Benzo(k)fluoranthene
Concen: 20.608 ng/ul
RT: 23.68 min Scan# 3518
Delta R.T. 0.00 min
Lab File: BN000351.D
Acq: 13 Mar 2018 16:24

Tgt Ion:252 Resp: 1383401

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 18.0 | 27.0 |
| 125 | 13.4 | 8.1 | 12.1# |



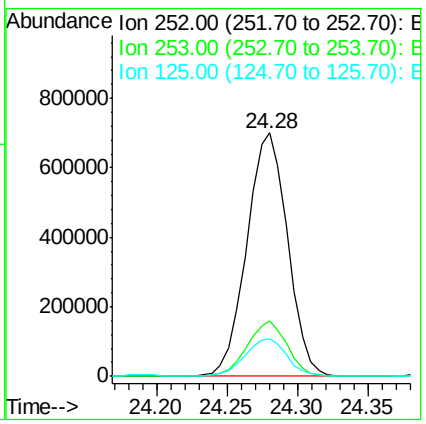


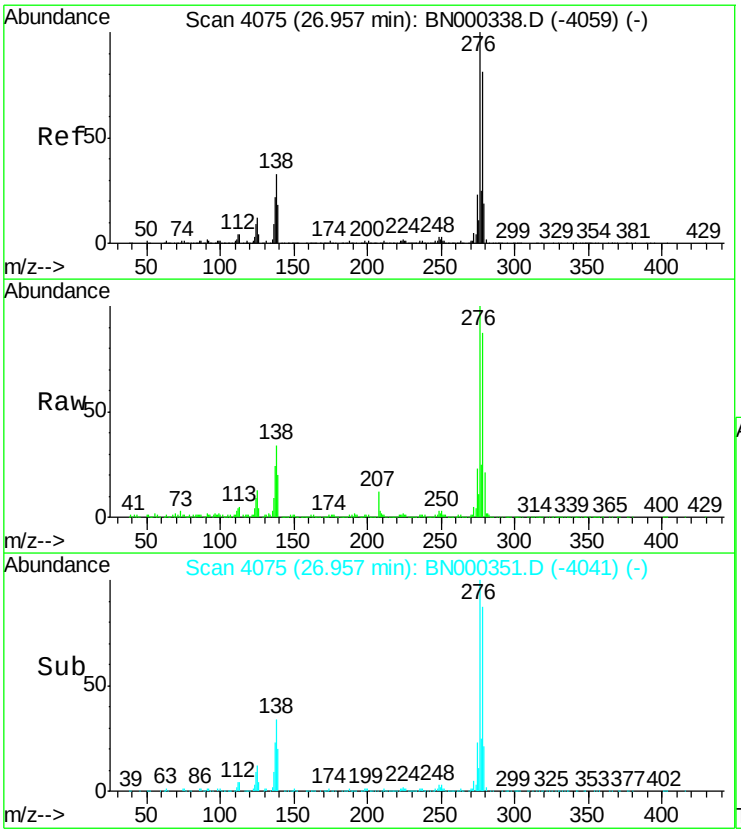

#26
Benzo(a)pyrene
Concen: 20.691 ng/ul
RT: 24.28 min Scan# 3620
Delta R.T. 0.00 min
Lab File: BN000351.D
Acq: 13 Mar 2018 16:24

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD02099

Tgt Ion:252 Resp: 1412251

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.2 | 25.8 |
| 125 | 15.2 | 8.2 | 12.4# |

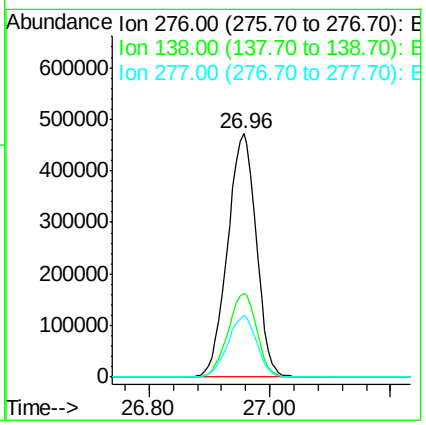


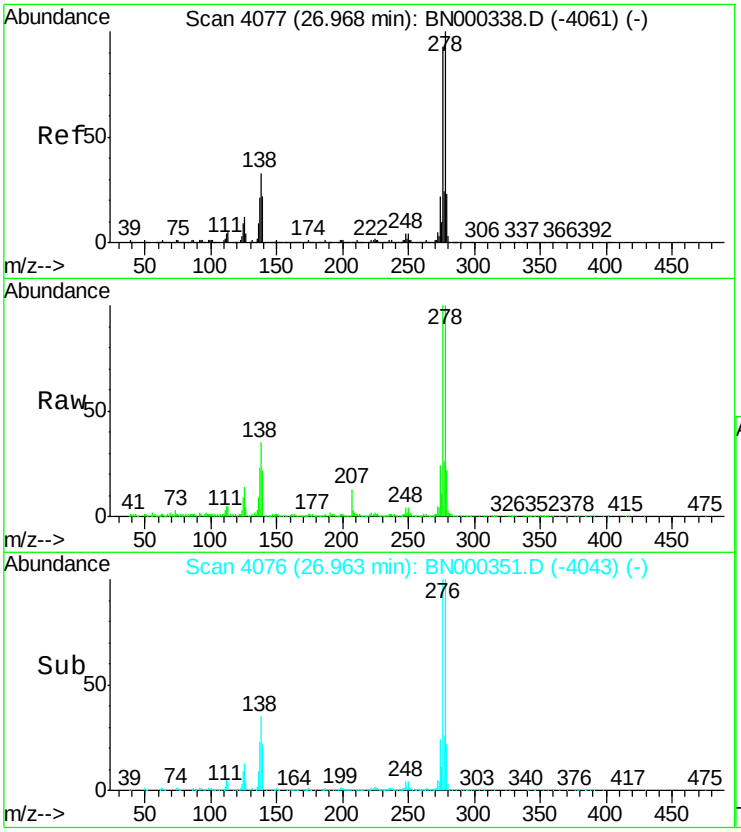




#27
Indeno(1,2,3-cd)pyrene
Concen: 21.038 ng/ul
RT: 26.96 min Scan# 4075
Delta R.T. 0.00 min
Lab File: BN000351.D
Acq: 13 Mar 2018 16:24

Tgt Ion:276 Resp: 1548199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 34.1 | 14.4 | 21.6# |
| 277 | 25.2 | 18.0 | 27.0 |



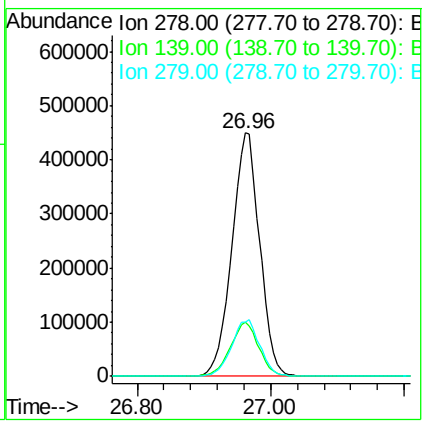


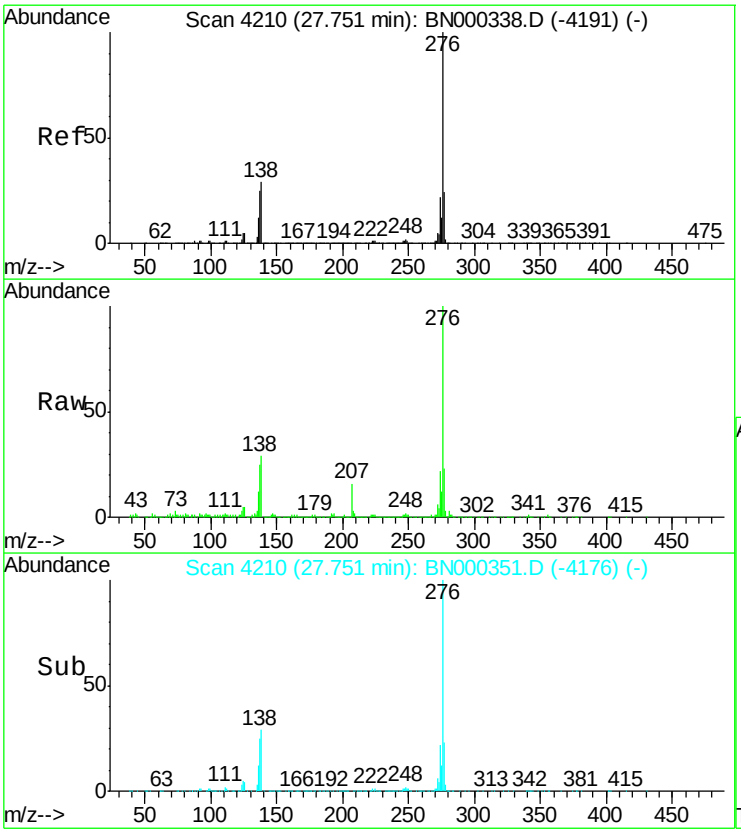

#28
Dibenzo(a,h)anthracene
Concen: 21.490 ng/ul
RT: 26.96 min Scan# 4076
Delta R.T. -0.01 min
Lab File: BN000351.D
Acq: 13 Mar 2018 16:24

**Instrument :**
BNA_N
**ClientSampleId :**
SSTD02099

Tgt Ion:278 Resp: 1296291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 22.5 | 12.2 | 18.4# |
| 279 | 22.5 | 19.2 | 28.8 |




#29
Benzo(g,h,i)perylene
Concen: 20.922 ng/ul
RT: 27.75 min Scan# 4210
Delta R.T. 0.00 min
Lab File: BN000351.D
Acq: 13 Mar 2018 16:24

Tgt Ion:276 Resp: 1285610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 29.4 | 15.3 | 22.9# |
| 277 | 23.4 | 19.0 | 28.4 |