Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032519\
Data File : BN004964.D
Acq On : 25 Mar 2019 17:07
Operator : JU/SJ
Sample : K2015-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** PST-072-B156-031919

Quant Time: Mar 26 01:18:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 20 16:06:20 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.68 | 152 | 3846 | 0.40 | ng | | -0.02 |
| 7) Naphthalene-d8 | 10.47 | 136 | 15169 | 0.40 | ng | | -0.03 |
| 13) Acenaphthene-d10 | 14.32 | 164 | 7262 | 0.40 | ng | | -0.02 |
| 19) Phenanthrene-d10 | 17.08 | 188 | 14640 | 0.40 | ng | | -0.01 |
| 27) Chrysene-d12 | 21.28 | 240 | 17124 | 0.40 | ng | | -0.01 |
| 34) Perylene-d12 | 23.53 | 264 | 19121 | 0.40 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.28 | 112 | 4481 | 0.43 | ng | | 0.00 |
| 5) Phenol-d6 | 6.86 | 99 | 5463 | 0.42 | ng | | -0.02 |
| 8) Nitrobenzene-d5 | 8.84 | 82 | 4274 | 0.43 | ng | | -0.03 |
| 11) 2-Methylnaphthalene-d10 | 12.06 | 152 | 9368 | 0.35 | ng | | -0.02 |
| 14) 2,4,6-Tribromophenol | 15.84 | 330 | 1584 | 0.32 | ng | | -0.01 |
| 15) 2-Fluorobiphenyl | 12.94 | 172 | 12637 | 0.42 | ng | | -0.02 |
| 25) Fluoranthene-d10 | 19.12 | 212 | 18044 | 0.37 | ng | | -0.02 |
| 29) Terphenyl-d14 | 19.72 | 244 | 12781 | 0.36 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 23) Phenanthrene | 17.12 | 178 | 2536 | 0.054 | ng | | 97 |
| 26) Fluoranthene | 19.15 | 202 | 1969 | 0.032 | ng | # | 91 |
| 28) Pyrene | 19.51 | 202 | 1965 | 0.038 | ng | | 95 |
| 30) Benzo(a)anthracene | 21.27 | 228 | 1270 | 0.023 | ng | # | 69 |
| 31) Chrysene | 21.32 | 228 | 1412 | 0.024 | ng | # | 76 |
| 32) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 4773 | 0.213 | ng | | 97 |
| 33) Indeno(1,2,3-cd)pyrene | 25.80 | 276 | 1939 | 0.023 | ng | # | 93 |
| 35) Benzo(b)fluoranthene | 22.86 | 252 | 2515 | 0.036 | ng | # | 15 |
| 36) Benzo(k)fluoranthene | 22.90 | 252 | 1423 | 0.021 | ng | # | 1 |
| 39) Benzo(g,h,i)perylene | 26.51 | 276 | 1893 | 0.025 | ng | # | 47 |

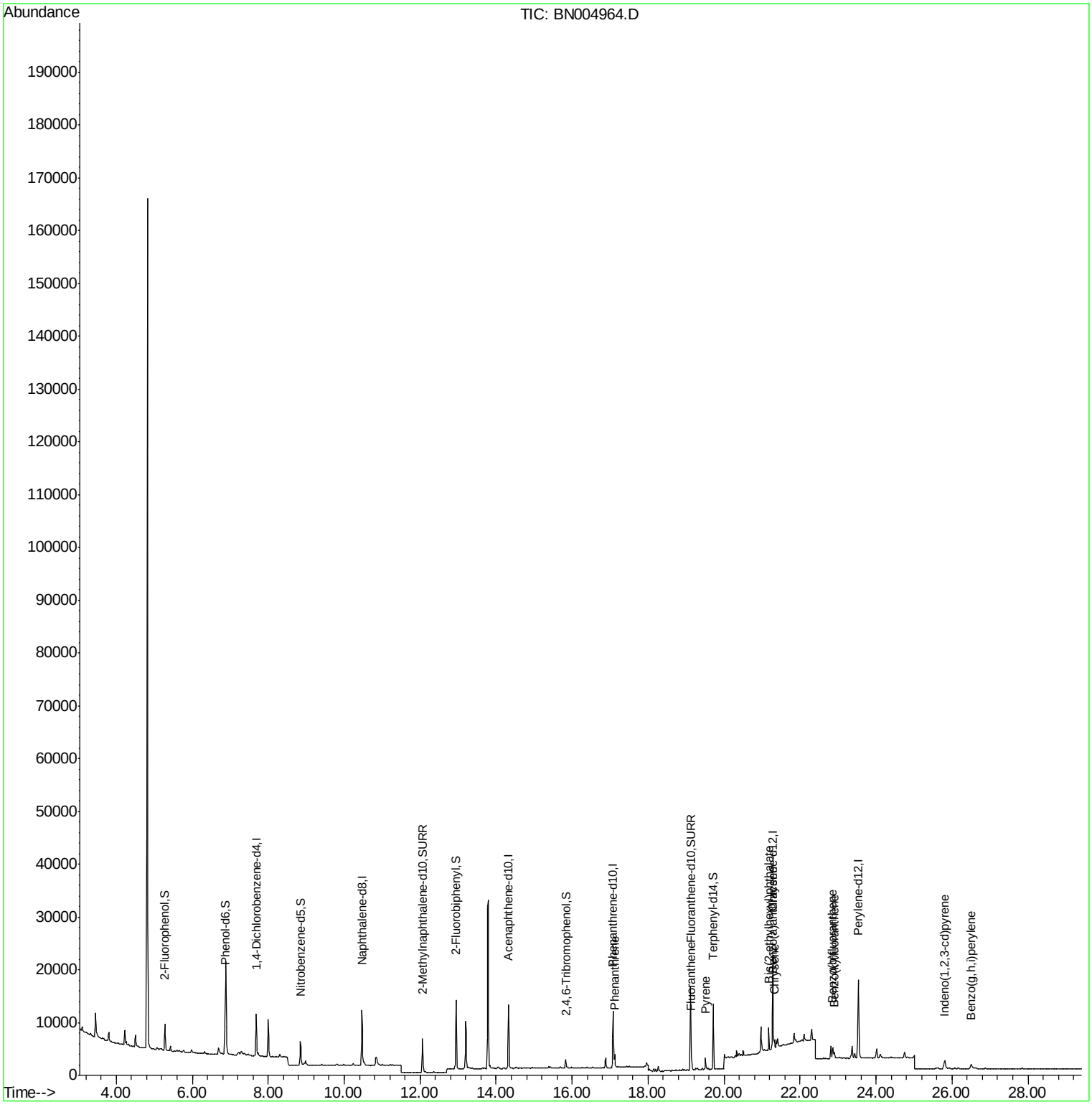
(#) = qualifier out of range (m) = manual integration (+) = signals summed

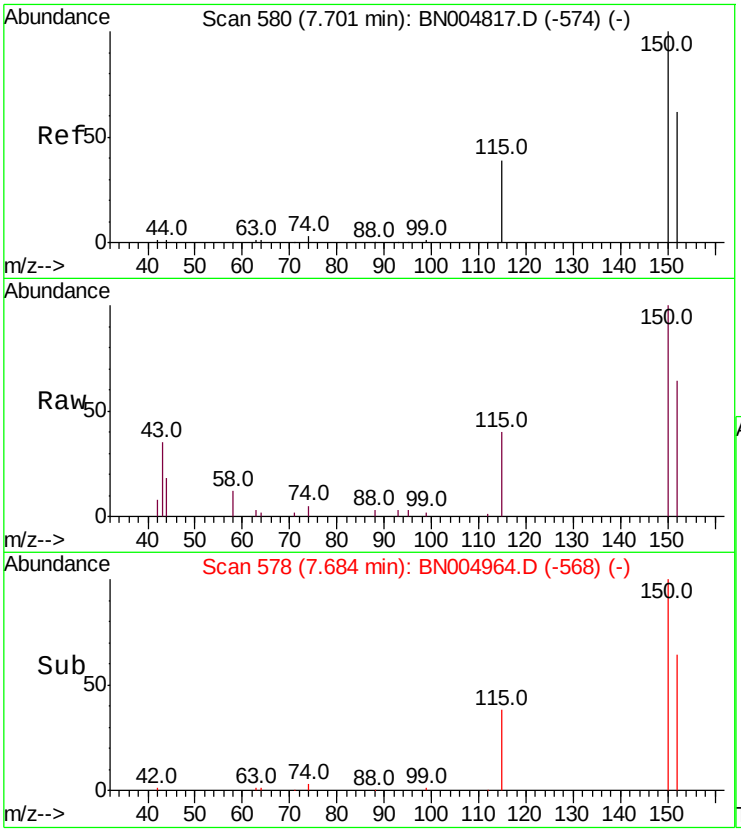
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032519\
Data File : BN004964.D
Acq On : 25 Mar 2019 17:07
Operator : JU/SJ
Sample : K2015-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
PST-072-B156-031919

Quant Time: Mar 26 01:18:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 20 16:06:20 2019
Response via : Initial Calibration



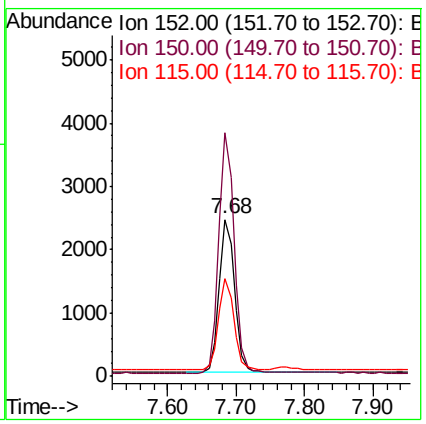


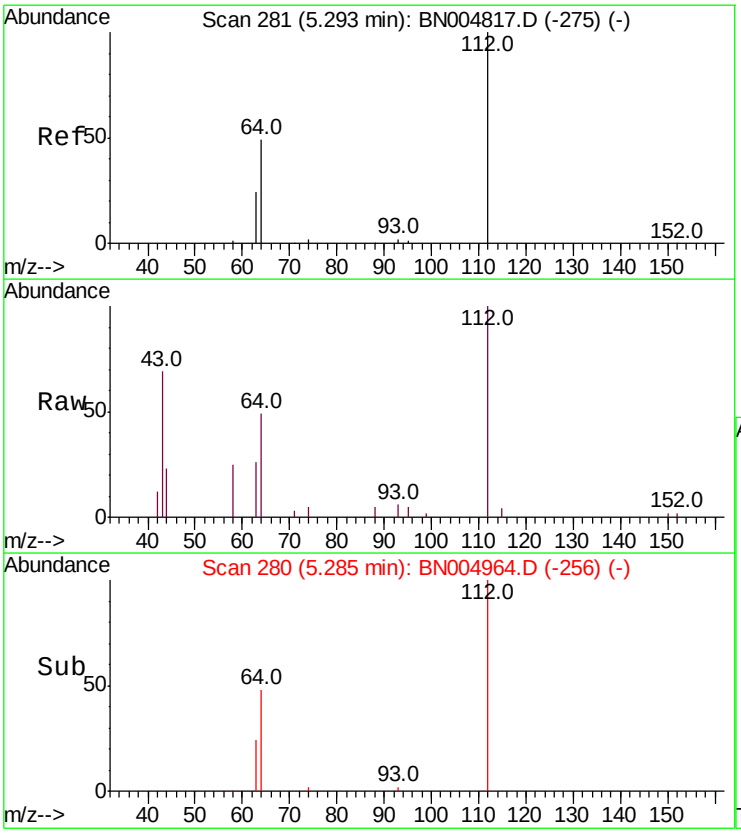

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 578
Delta R.T. -0.02 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

**Instrument :**
BNA_N
**ClientSampleId :**
PST-072-B156-031919

Tgt Ion:152 Resp: 3846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.5 | 126.2 | 189.4 |
| 115 | 62.7 | 52.6 | 79.0 |

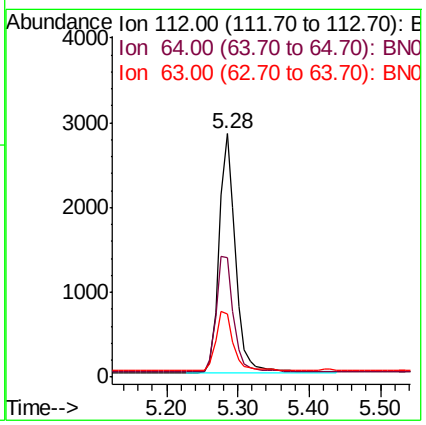


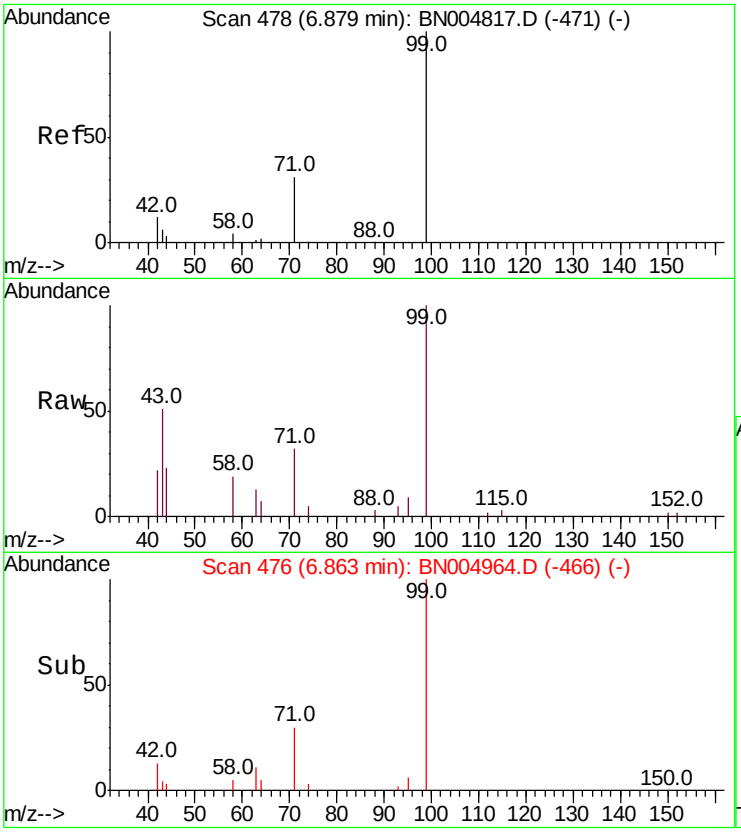




#4
2-Fluorophenol
Concen: 0.429 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Tgt Ion:112 Resp: 4481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.0 | 40.0 | 60.0 |
| 63 | 26.5 | 20.2 | 30.2 |



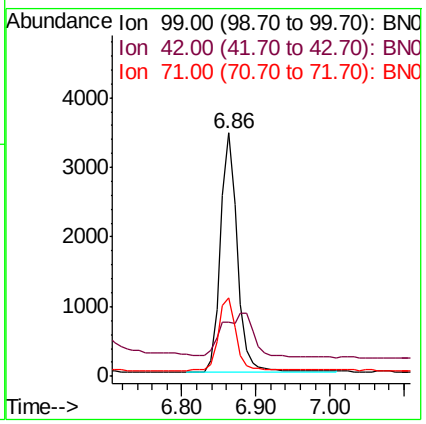


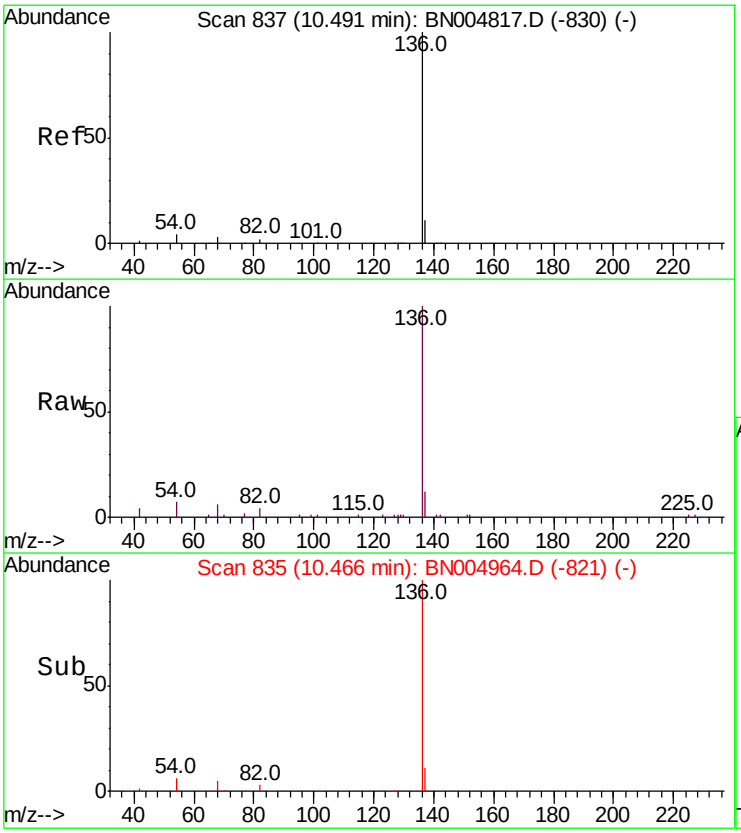

#5
Phenol-d6
Concen: 0.420 ng
RT: 6.86 min Scan# 476
Delta R.T. -0.02 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

**Instrument :**
BNA_N
**ClientSampleId :**
PST-072-B156-031919

Tgt Ion: 99 Resp: 5463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 0.0 | 12.7 | 19.1# |
| 71 | 31.4 | 26.6 | 40.0 |

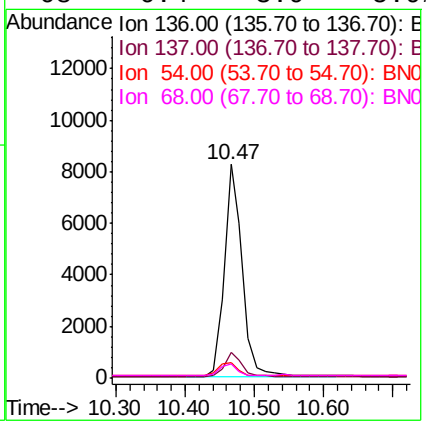


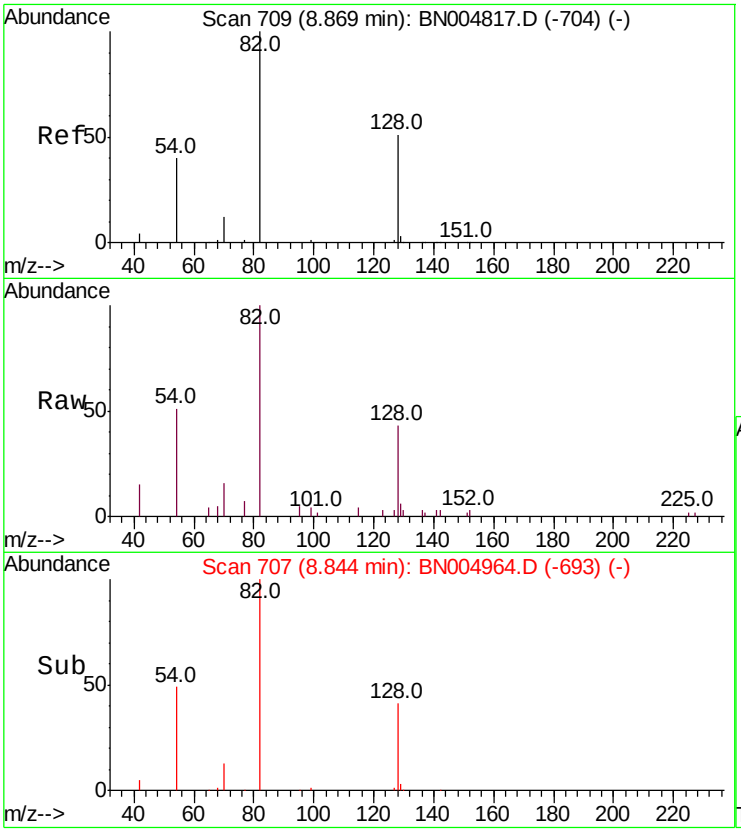




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.47 min Scan# 835
Delta R.T. -0.03 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Tgt Ion:136 Resp: 15169

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.7 | 9.6 | 14.4 |
| 54 | 7.5 | 4.2 | 6.2# |
| 68 | 6.4 | 3.9 | 5.9# |



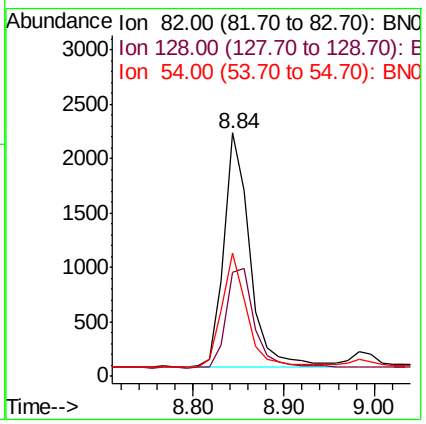


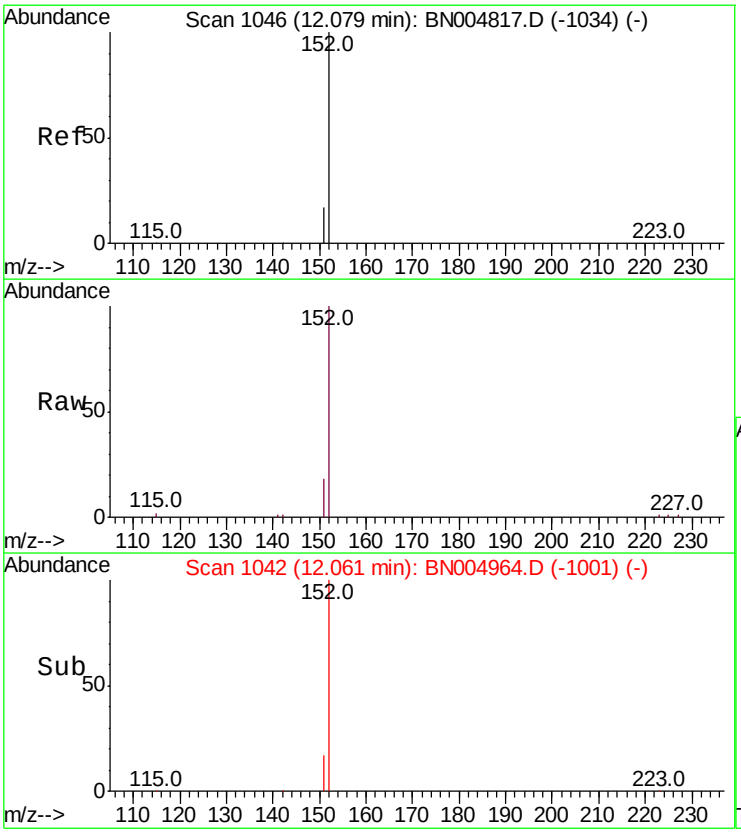

#8
Nitrobenzene-d5
Concen: 0.426 ng
RT: 8.84 min Scan# 707
Delta R.T. -0.03 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

**Instrument :**
BNA_N
**ClientSampleId :**
PST-072-B156-031919

Tgt Ion: 82 Resp: 4274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.9 | 43.0 | 64.6# |
| 54 | 50.8 | 35.3 | 52.9 |

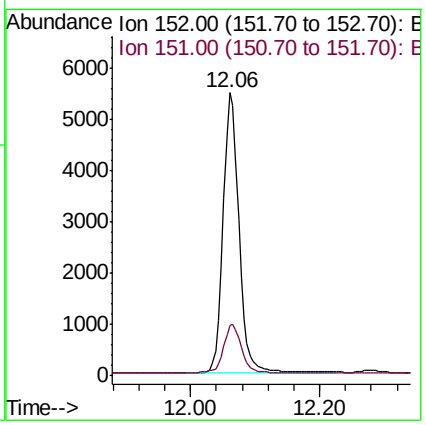


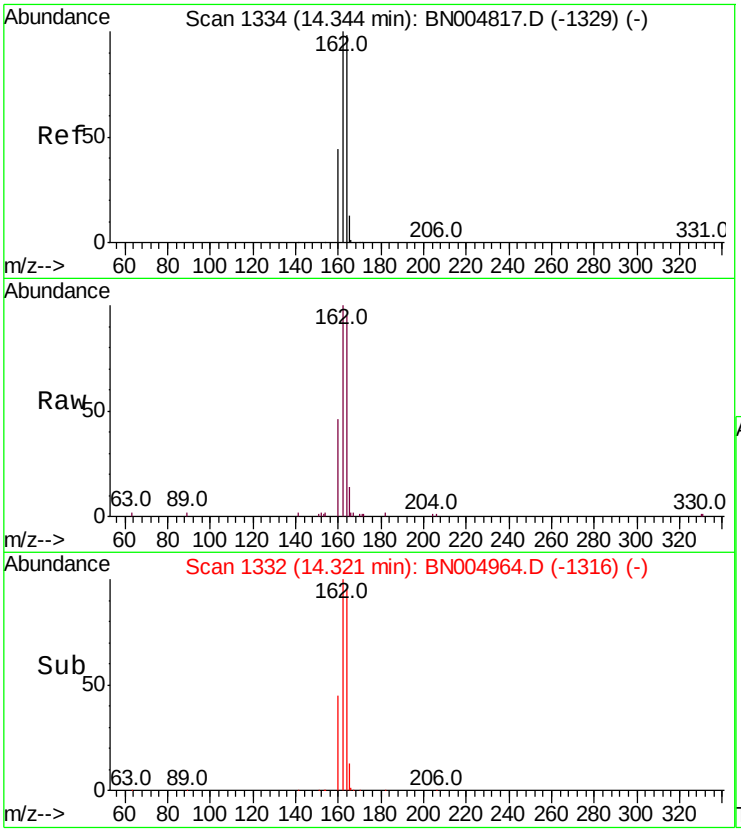




#11
2-Methylnaphthalene-d10
Concen: 0.354 ng
RT: 12.06 min Scan# 1042
Delta R.T. -0.02 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Tgt Ion:152 Resp: 9368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.7 | 15.5 | 23.3 |



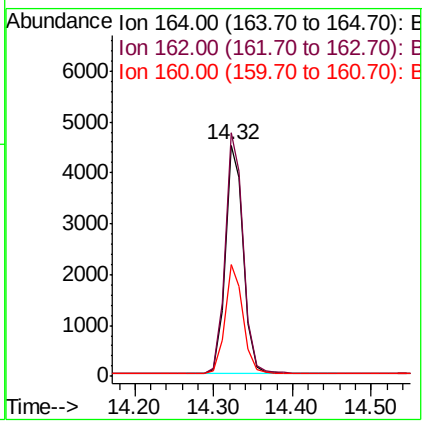


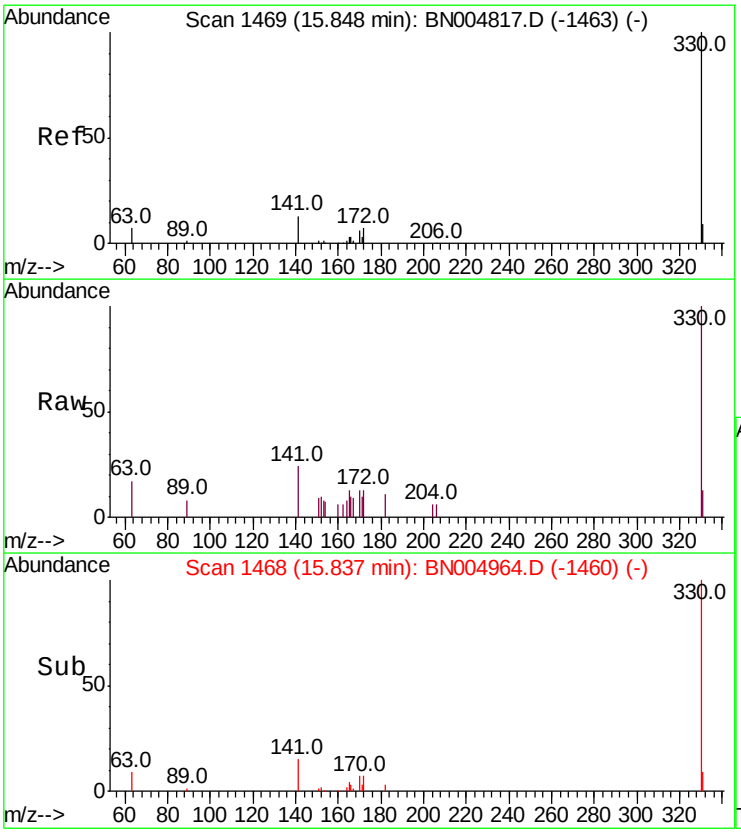

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.32 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

**Instrument :**
BNA_N
**ClientSampleId :**
PST-072-B156-031919

Tgt Ion:164 Resp: 7262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.2 | 81.9 | 122.9 |
| 160 | 48.3 | 36.6 | 54.8 |

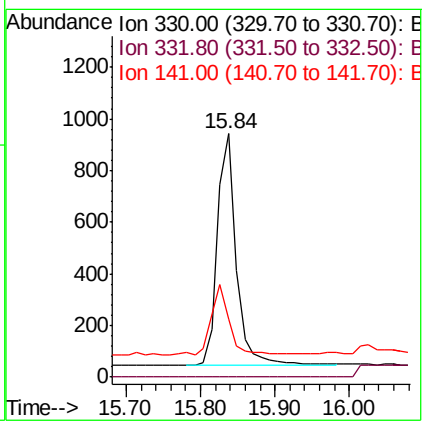


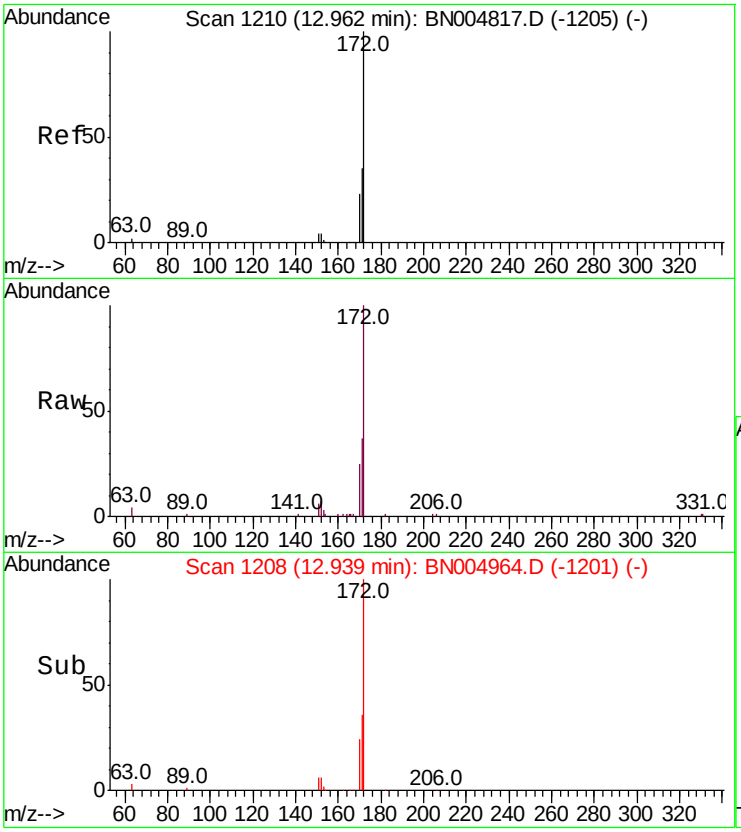




#14
2,4,6-Tribromophenol
Concen: 0.316 ng
RT: 15.84 min Scan# 1468
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Tgt Ion:330 Resp: 1584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 0.0 | 0.0 | 0.0 |
| 141 | 29.7 | 20.9 | 31.3 |



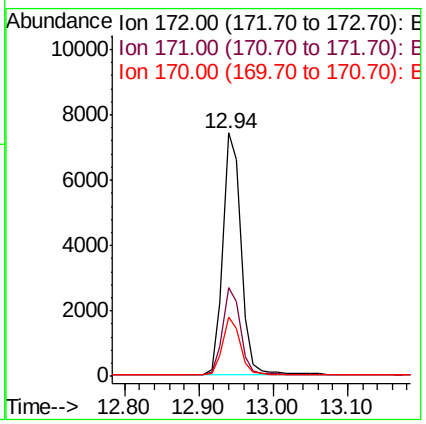


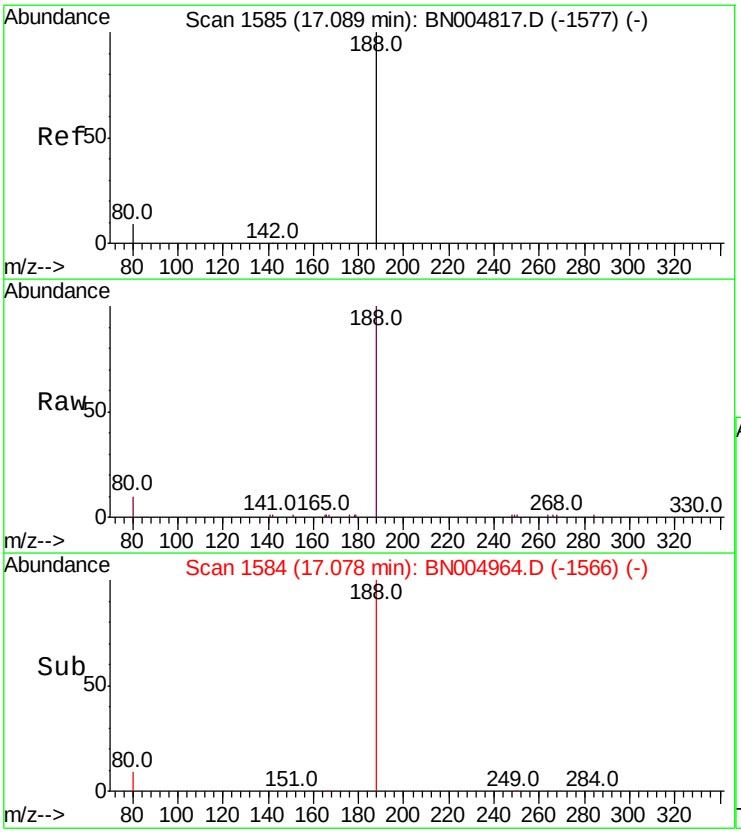

#15
2-Fluorobiphenyl
Concen: 0.421 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

**Instrument :**
BNA_N
**ClientSampleId :**
PST-072-B156-031919

Tgt Ion:172 Resp: 12637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.6 | 28.7 | 43.1 |
| 170 | 24.6 | 18.7 | 28.1 |

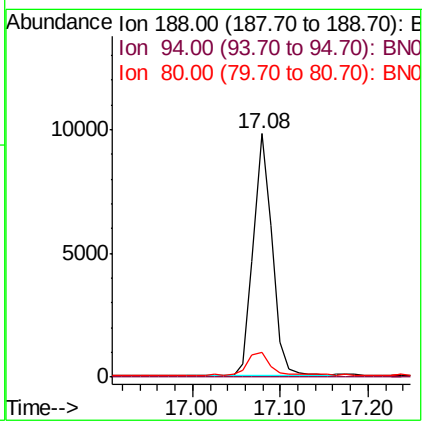


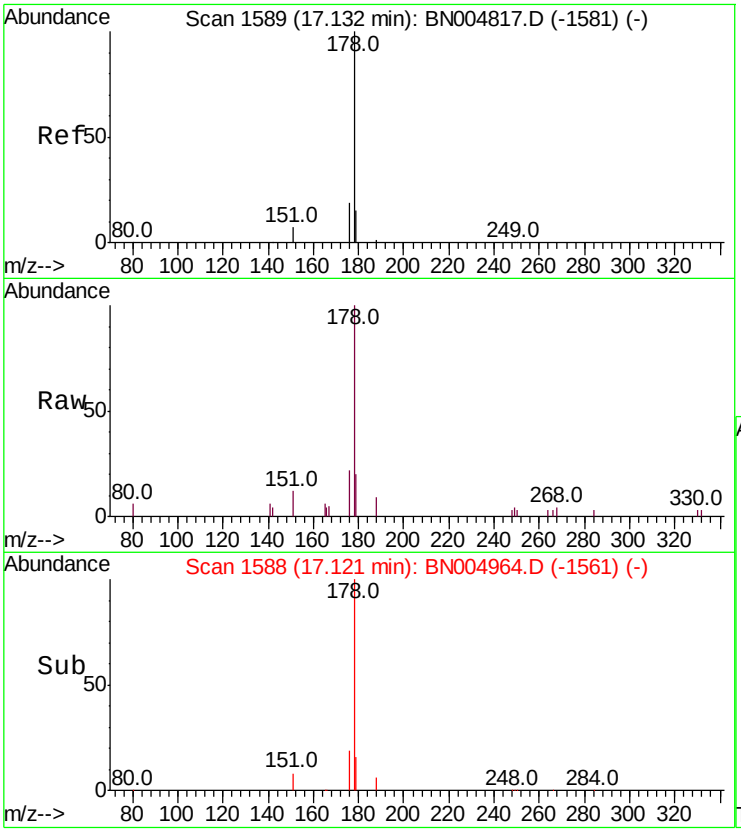




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Tgt Ion:188 Resp: 14640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 10.4 | 7.4 | 11.2 |



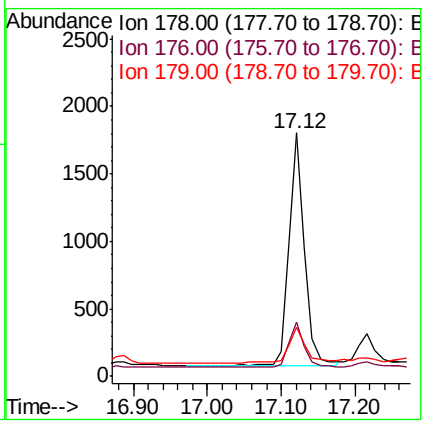


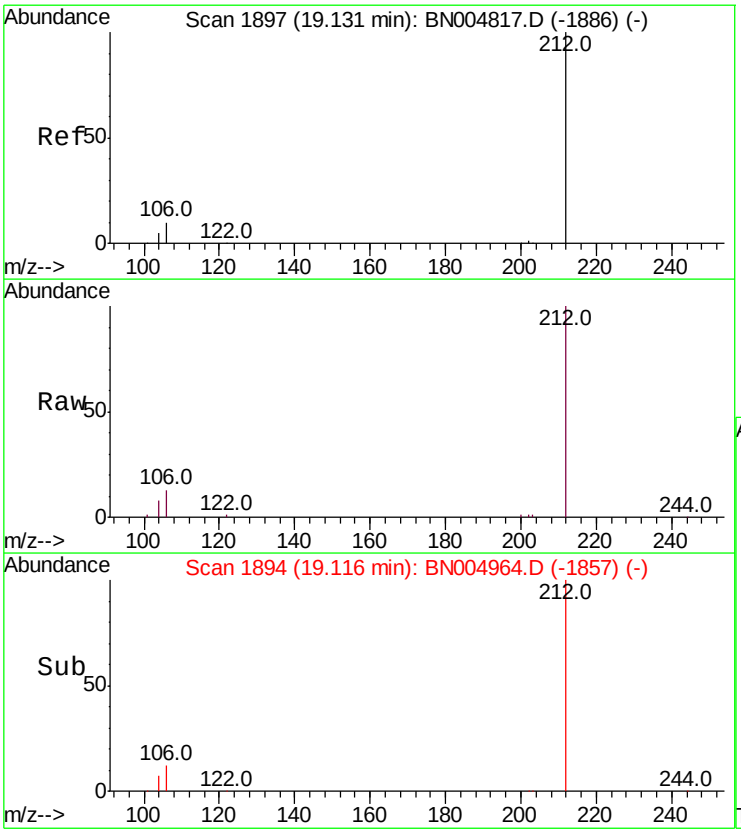

#23
Phenanthrene
Concen: 0.054 ng
RT: 17.12 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

**Instrument :**
BNA_N
**ClientSampleId :**
PST-072-B156-031919

Tgt Ion:178 Resp: 2536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 14.9 | 22.3 |
| 179 | 17.6 | 12.1 | 18.1 |

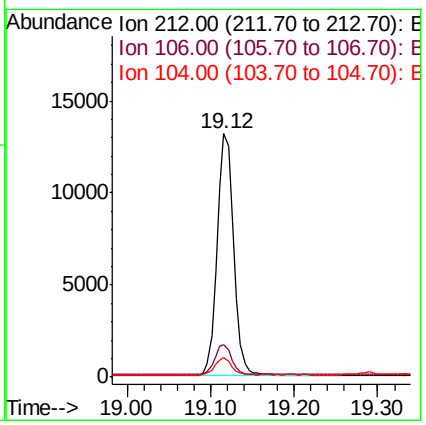


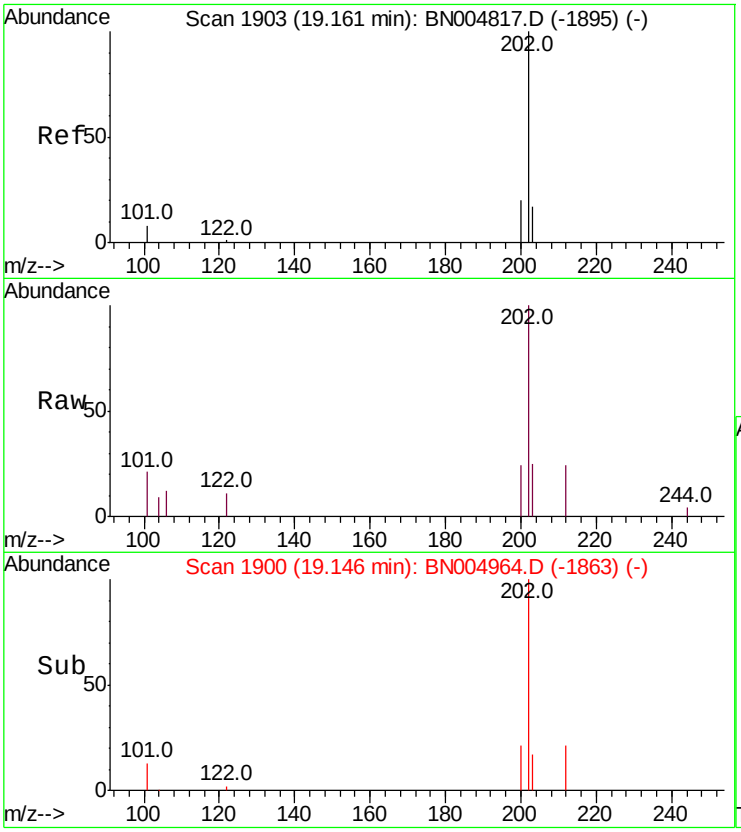




#25
Fluoranthene-d10
Concen: 0.368 ng
RT: 19.12 min Scan# 1894
Delta R.T. -0.02 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Tgt Ion:212 Resp: 18044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 12.2 | 8.6 | 13.0 |
| 104 | 7.3 | 4.7 | 7.1# |



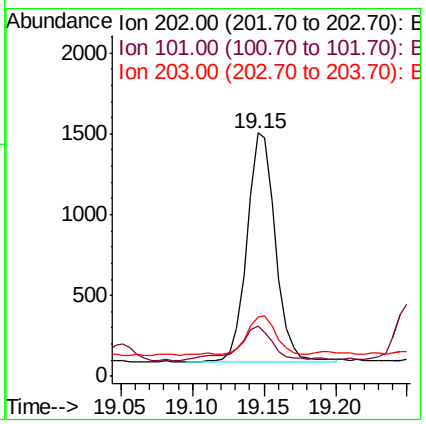


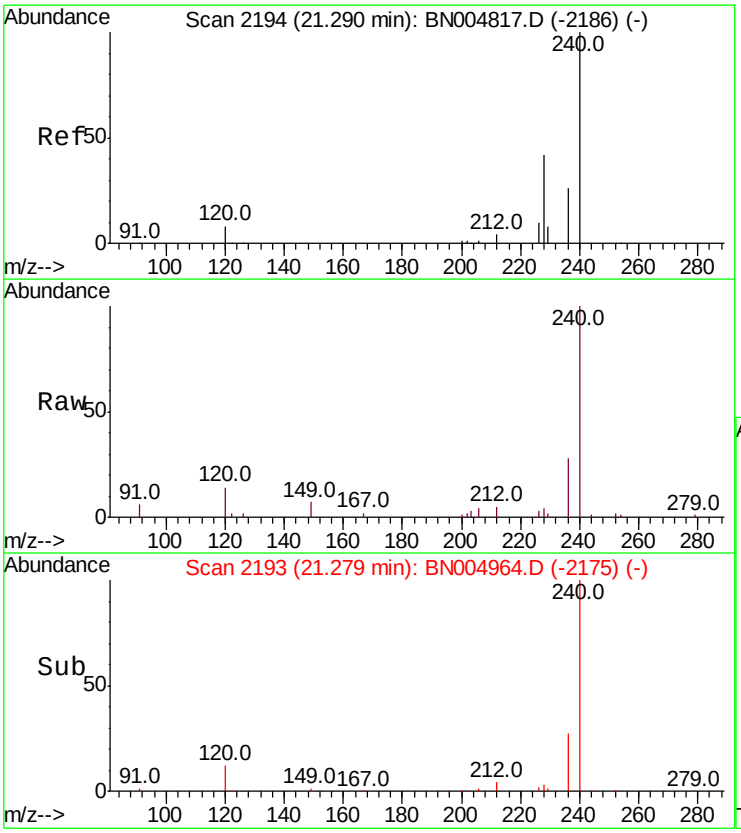

#26
Fluoranthene
Concen: 0.032 ng
RT: 19.15 min Scan# 1900
Delta R.T. -0.02 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

**Instrument :**
BNA_N
**ClientSampleId :**
PST-072-B156-031919

Tgt Ion:202 Resp: 1969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 17.8 | 7.5 | 11.3# |
| 203 | 17.5 | 13.8 | 20.6 |

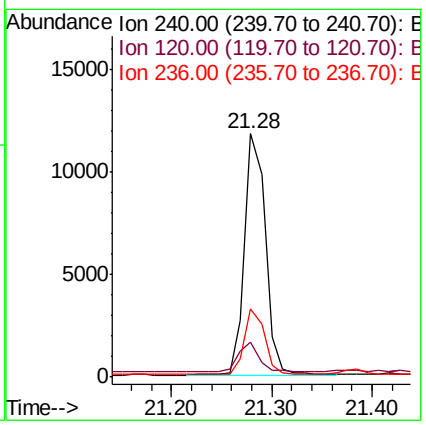


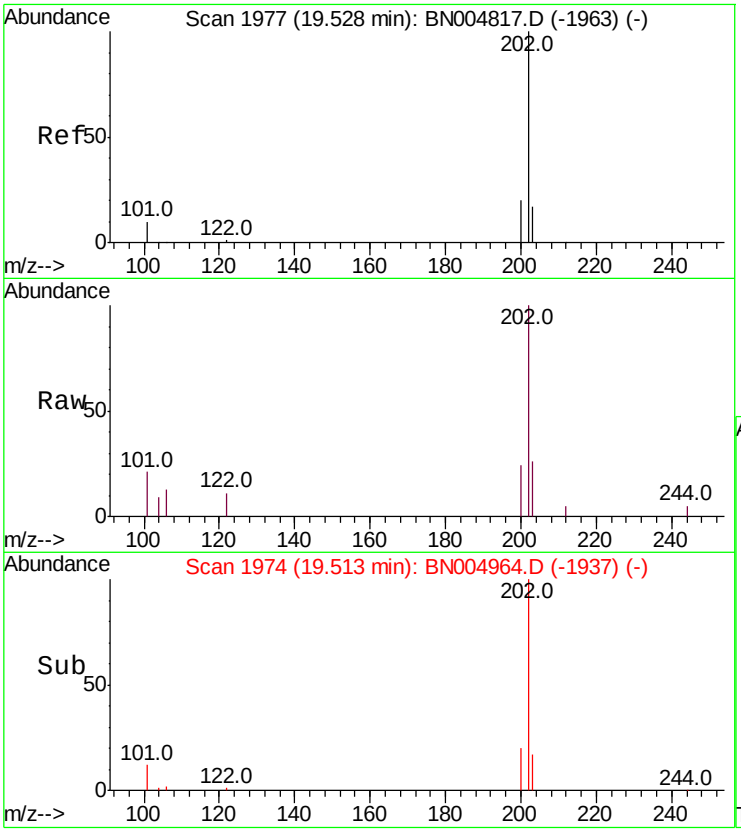




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Tgt Ion:240 Resp: 17124

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.2 | 7.2 | 10.8# |
| 236 | 27.9 | 20.9 | 31.3 |



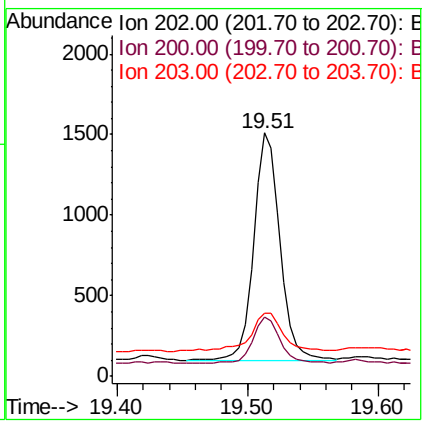


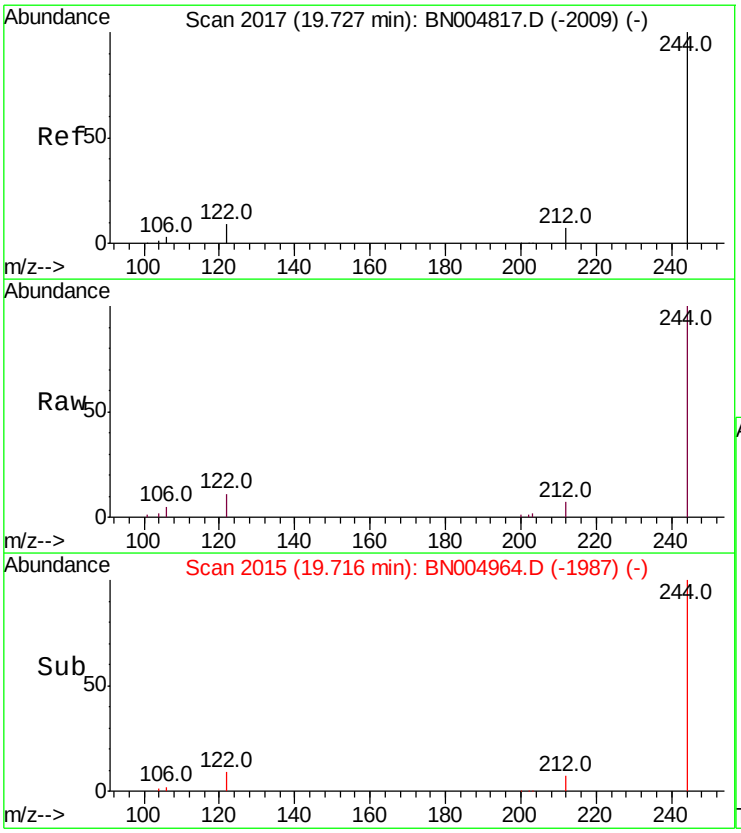

#28
Pyrene
Concen: 0.038 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.02 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

**Instrument :**
BNA_N
**ClientSampleId :**
PST-072-B156-031919

Tgt Ion:202 Resp: 1965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.7 | 16.3 | 24.5 |
| 203 | 20.5 | 14.0 | 21.0 |

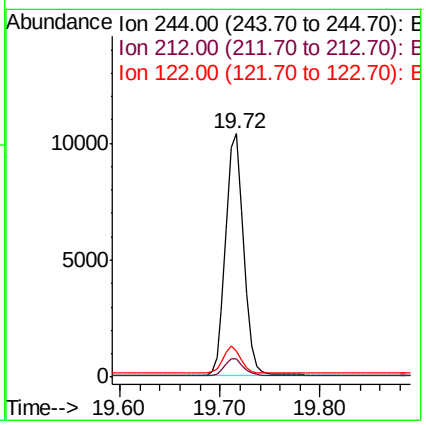


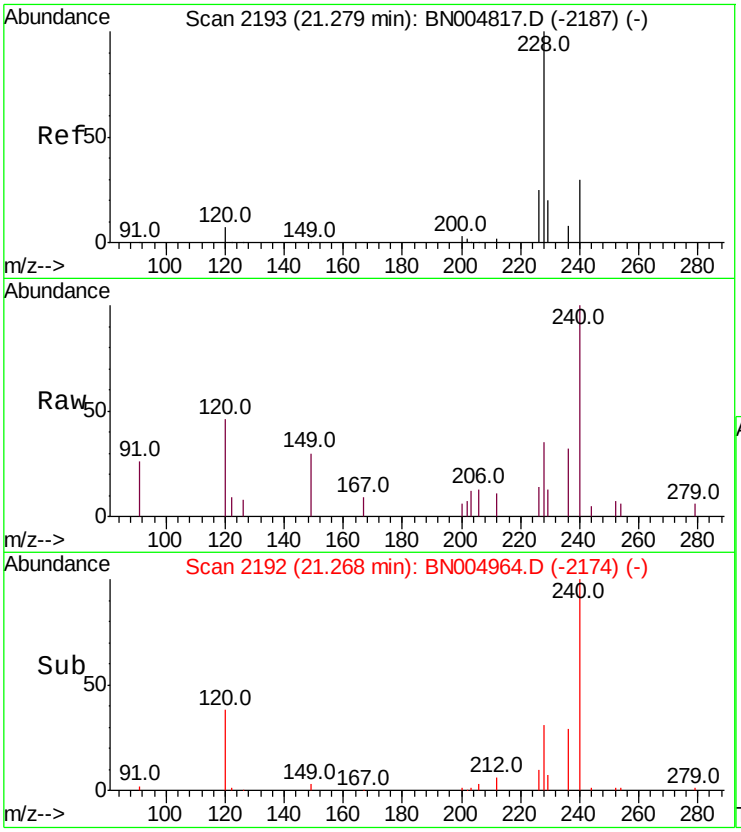




#29
Terphenyl-d14
Concen: 0.365 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Tgt Ion:244 Resp: 12781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 5.8 | 8.6 |
| 122 | 10.8 | 7.9 | 11.9 |



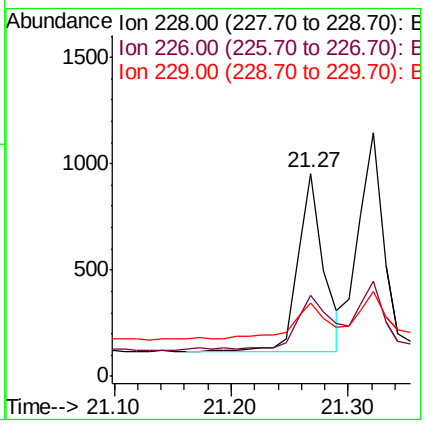


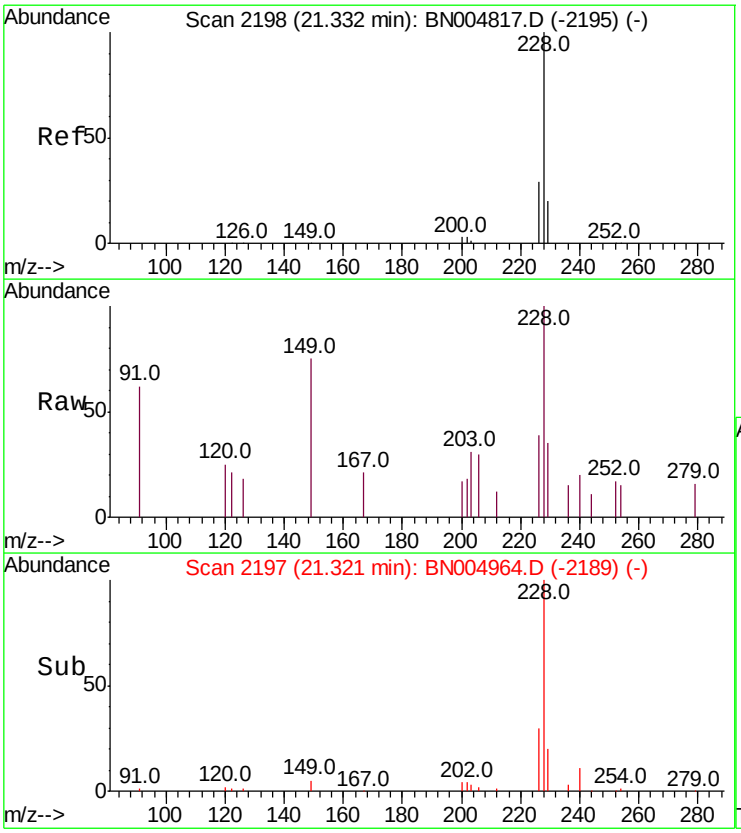

#30
Benzo(a)anthracene
Concen: 0.023 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

**Instrument :**
BNA_N
**ClientSampleId :**
PST-072-B156-031919

Tgt Ion:228 Resp: 1270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 40.1 | 20.6 | 31.0# |
| 229 | 36.3 | 16.2 | 24.4# |

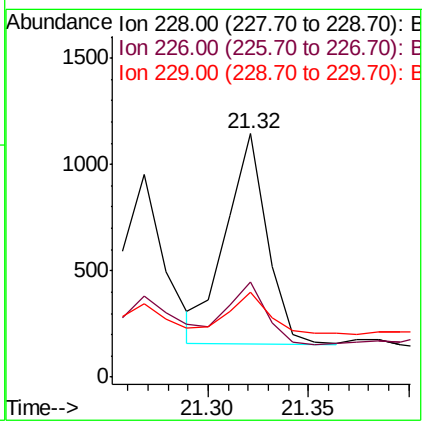


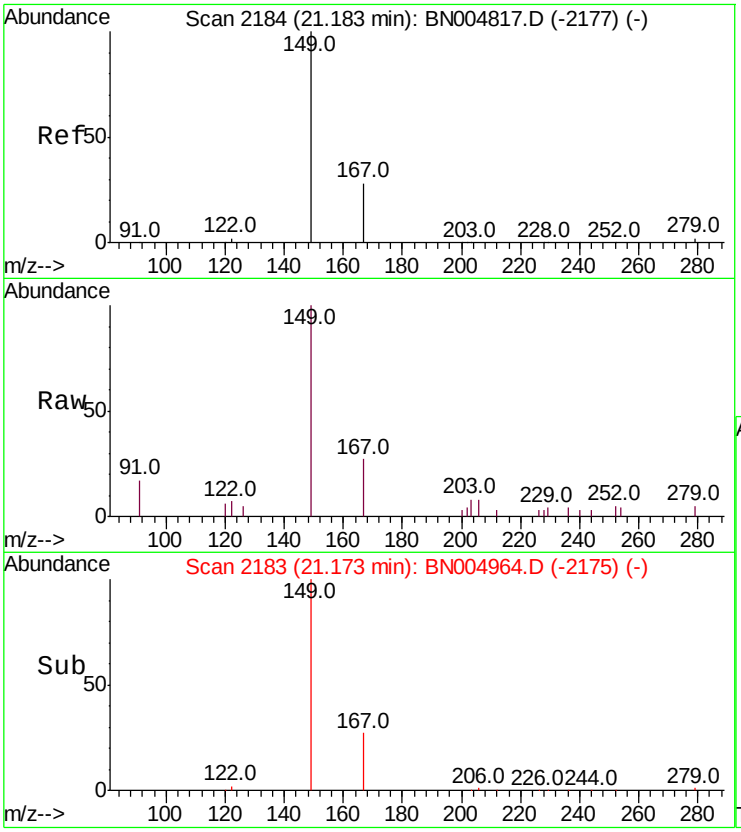




#31
Chrysene
Concen: 0.024 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Tgt Ion:228 Resp: 1412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 38.9 | 23.0 | 34.6# |
| 229 | 34.7 | 16.2 | 24.2# |



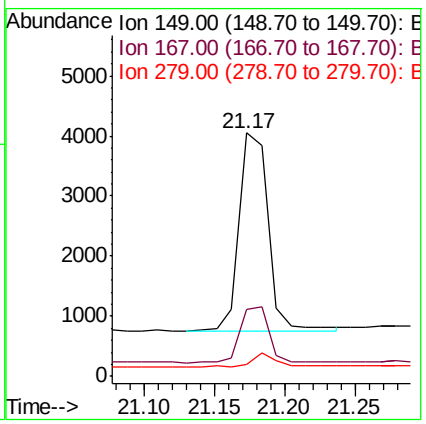


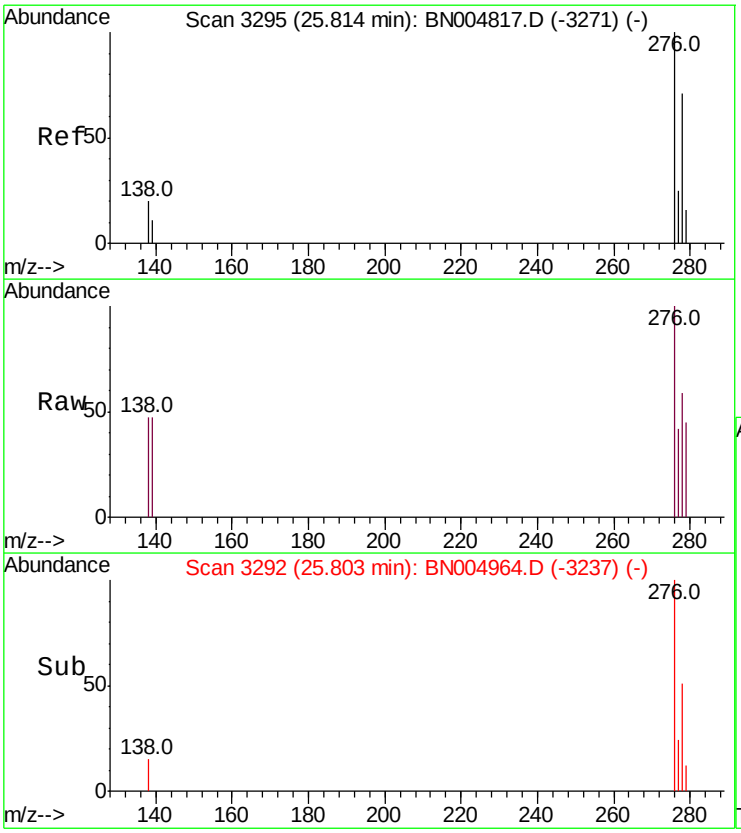

#32
Bis(2-ethylhexyl)phthalate
Concen: 0.213 ng
RT: 21.17 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

**Instrument :**
BNA_N
**ClientSampleId :**
PST-072-B156-031919

Tgt Ion:149 Resp: 4773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.2 | 23.0 | 34.4 |
| 279 | 6.4 | 4.6 | 6.8 |

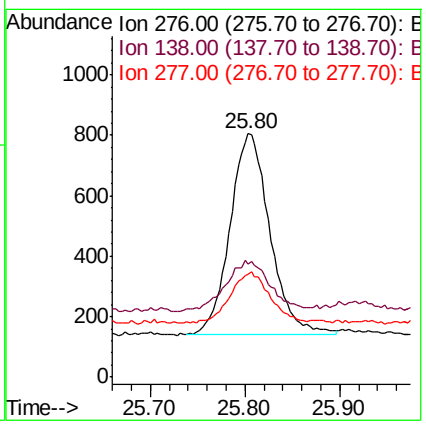


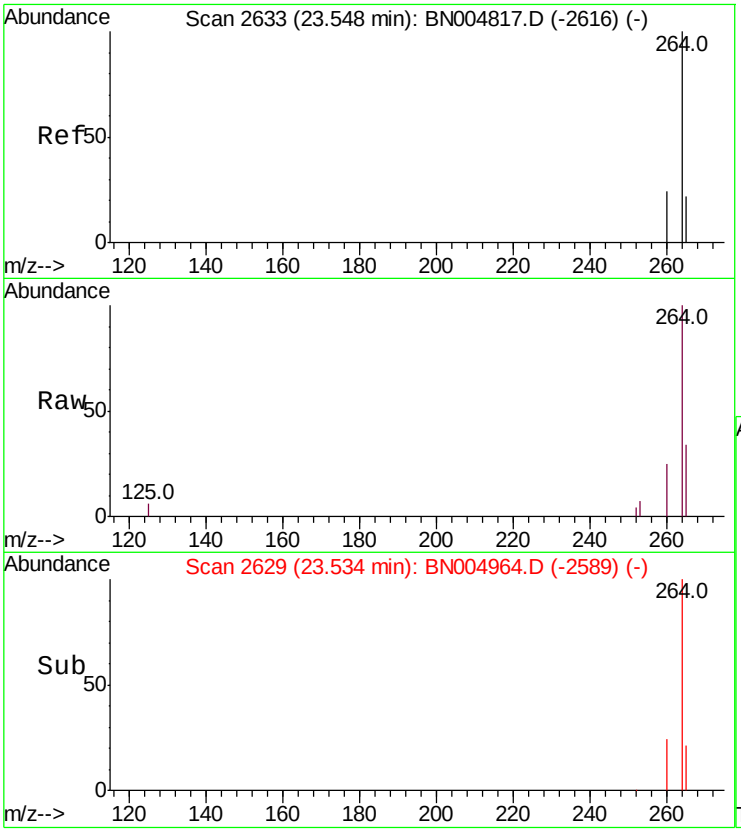




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.023 ng
RT: 25.80 min Scan# 3292
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Tgt Ion:276 Resp: 1939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.9 | 16.6 | 24.8# |
| 277 | 25.5 | 20.3 | 30.5 |



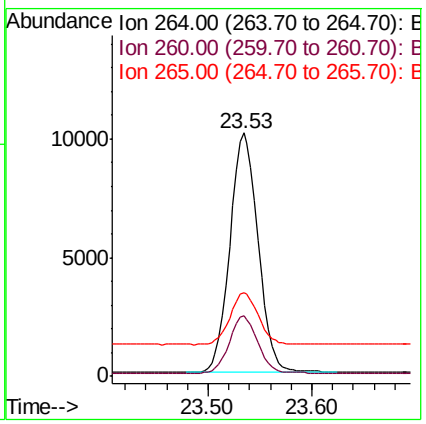


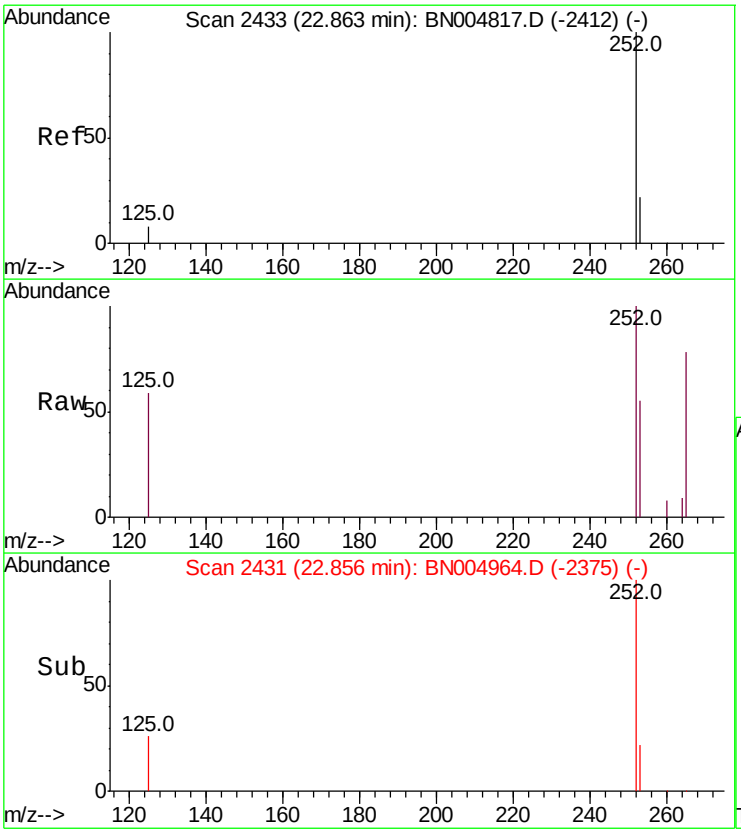

#34
Perylene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2629
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

**Instrument :**
BNA_N
**ClientSampleId :**
PST-072-B156-031919

Tgt Ion:264 Resp: 19121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.9 | 19.5 | 29.3 |
| 265 | 34.3 | 23.1 | 34.7 |

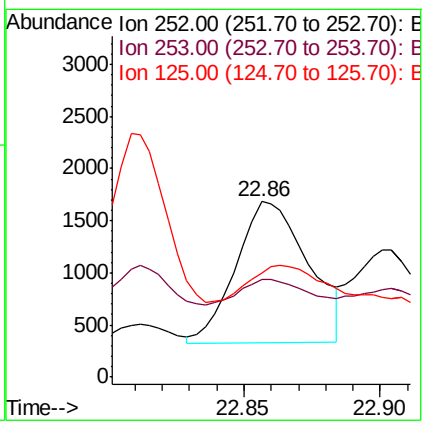


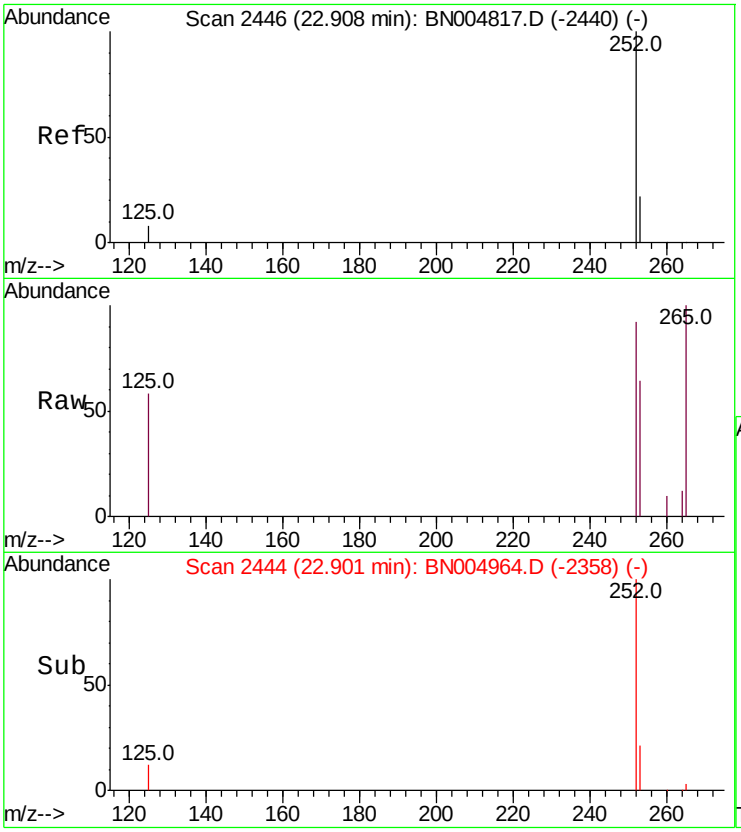




#35
Benzo(b)fluoranthene
Concen: 0.036 ng
RT: 22.86 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Tgt Ion:252 Resp: 2515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 55.3 | 19.0 | 28.4# |
| 125 | 59.2 | 7.4 | 11.2# |



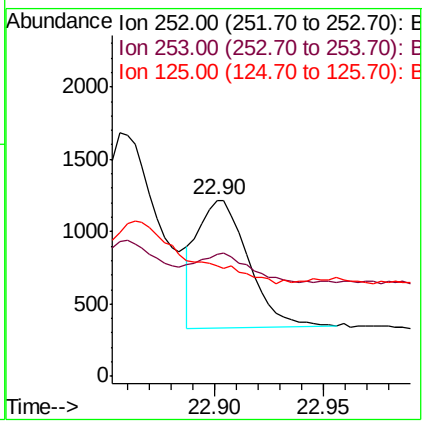


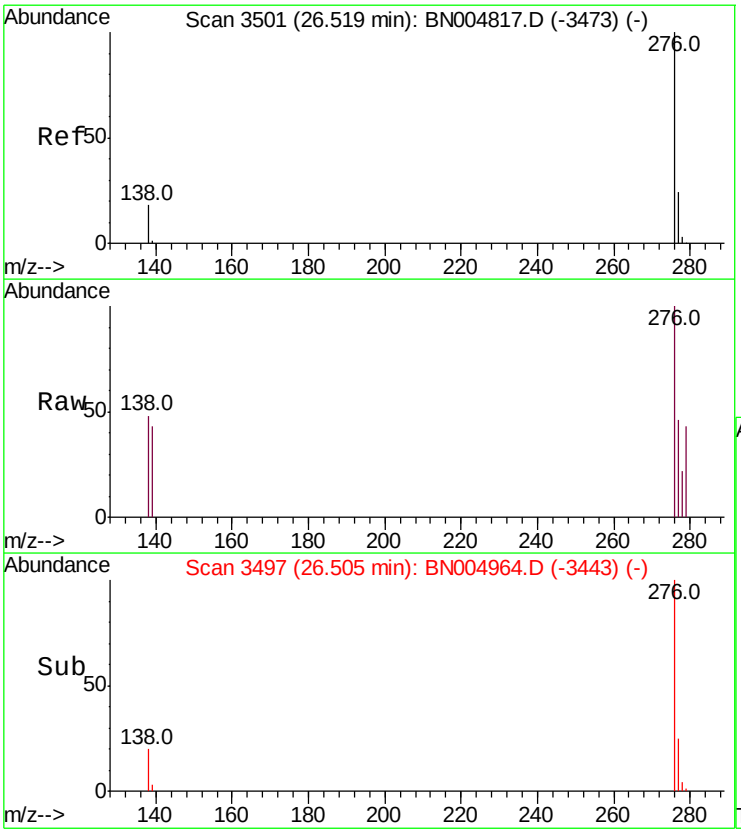

#36
Benzo(k)fluoranthene
Concen: 0.021 ng
RT: 22.90 min Scan# 2444
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

**Instrument :**
BNA_N
**ClientSampleId :**
PST-072-B156-031919

Tgt Ion:252 Resp: 1423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 69.3 | 19.3 | 28.9# |
| 125 | 62.8 | 7.4 | 11.0# |




#39
Benzo(g,h,i)perylene
Concen: 0.025 ng
RT: 26.51 min Scan# 3497
Delta R.T. -0.01 min
Lab File: BN004964.D
Acq: 25 Mar 2019 17:07

Tgt Ion:276 Resp: 1893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 45.6 | 19.7 | 29.5# |
| 138 | 48.1 | 14.6 | 22.0# |