Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
Data File : BN007208.D
Acq On : 15 Aug 2019 22:10
Operator : HP/JU
Sample : K4239-14DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Aug 16 07:06:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.43 | 152 | 7032 | 0.40 | ng | | 0.00 |
| 6) Naphthalene-d8 | 10.19 | 136 | 27341 | 0.40 | ng | | 0.00 |
| 12) Acenaphthene-d10 | 14.07 | 164 | 15606 | 0.40 | ng | | -0.01 |
| 18) Phenanthrene-d10 | 16.82 | 188 | 36797 | 0.40 | ng | | 0.00 |
| 26) Chrysene-d12 | 21.05 | 240 | 37272 | 0.40 | ng | | -0.01 |
| 32) Perylene-d12 | 23.16 | 264 | 41117 | 0.40 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Fluorophenol | 5.05 | 112 | 148 | 0.01 | ng | | 0.00 |
| 4) Phenol-d6 | 6.61 | 99 | 163 | 0.01 | ng | | 0.00 |
| 7) Nitrobenzene-d5 | 8.55 | 82 | 151 | 0.01 | ng | | -0.01 |
| 10) 2-Methylnaphthalene-d10 | 11.79 | 152 | 243 | 0.00 | ng | | 0.00 |
| 13) 2,4,6-Tribromophenol | 15.57 | 330 | 36 | 0.00 | ng | | 0.00 |
| 14) 2-Fluorobiphenyl | 12.71 | 172 | 212 | 0.01 | ng | | 0.00 |
| 24) Fluoranthene-d10 | 18.78 | 212 | 1136 | 0.01 | ng | | -0.09 |
| 28) Terphenyl-d14 | 19.48 | 244 | 817 | 0.01 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 8) Naphthalene | 10.22 | 128 | 5458 | 0.071 | ng | # | 95 |
| 11) 2-Methylnaphthalene | 11.86 | 142 | 6666 | 0.123 | ng | | 95 |
| 15) Acenaphthylene | 13.79 | 152 | 39076 | 0.479 | ng | | 99 |
| 16) Acenaphthene | 14.13 | 154 | 6234 | 0.119 | ng | | 92 |
| 17) Fluorene | 15.12 | 166 | 12665 | 0.162 | ng | # | 84 |
| 22) Phenanthrene | 16.87 | 178 | 342320 | 3.104 | ng | | 100 |
| 23) Anthracene | 16.95 | 178 | 47378 | 0.470 | ng | | 98 |
| 25) Fluoranthene | 18.90 | 202 | 406110 | 2.879 | ng | | 99 |
| 27) Pyrene | 19.26 | 202 | 664977 | 5.087 | ng | | 97 |
| 29) Benzo(a)anthracene | 21.02 | 228 | 273591 | 2.007 | ng | | 94 |
| 30) Chrysene | 21.08 | 228 | 321245 | 2.426 | ng | | 98 |
| 31) Indeno(1,2,3-cd)pyrene | 25.23 | 276 | 127910 | 0.876 | ng | | 99 |
| 33) Benzo(b)fluoranthene | 22.54 | 252 | 343966 | 2.440 | ng | | 99 |
| 34) Benzo(k)fluoranthene | 22.54 | 252 | 344211 | 2.472 | ng | | 99 |
| 35) Benzo(a)pyrene | 23.07 | 252 | 221796 | 1.735 | ng | | 99 |
| 36) Dibenzo(a,h)anthracene | 25.24 | 278 | 40626 | 0.319 | ng | # | 87 |
| 37) Benzo(g,h,i)perylene | 25.86 | 276 | 156410 | 1.192 | ng | | 99 |

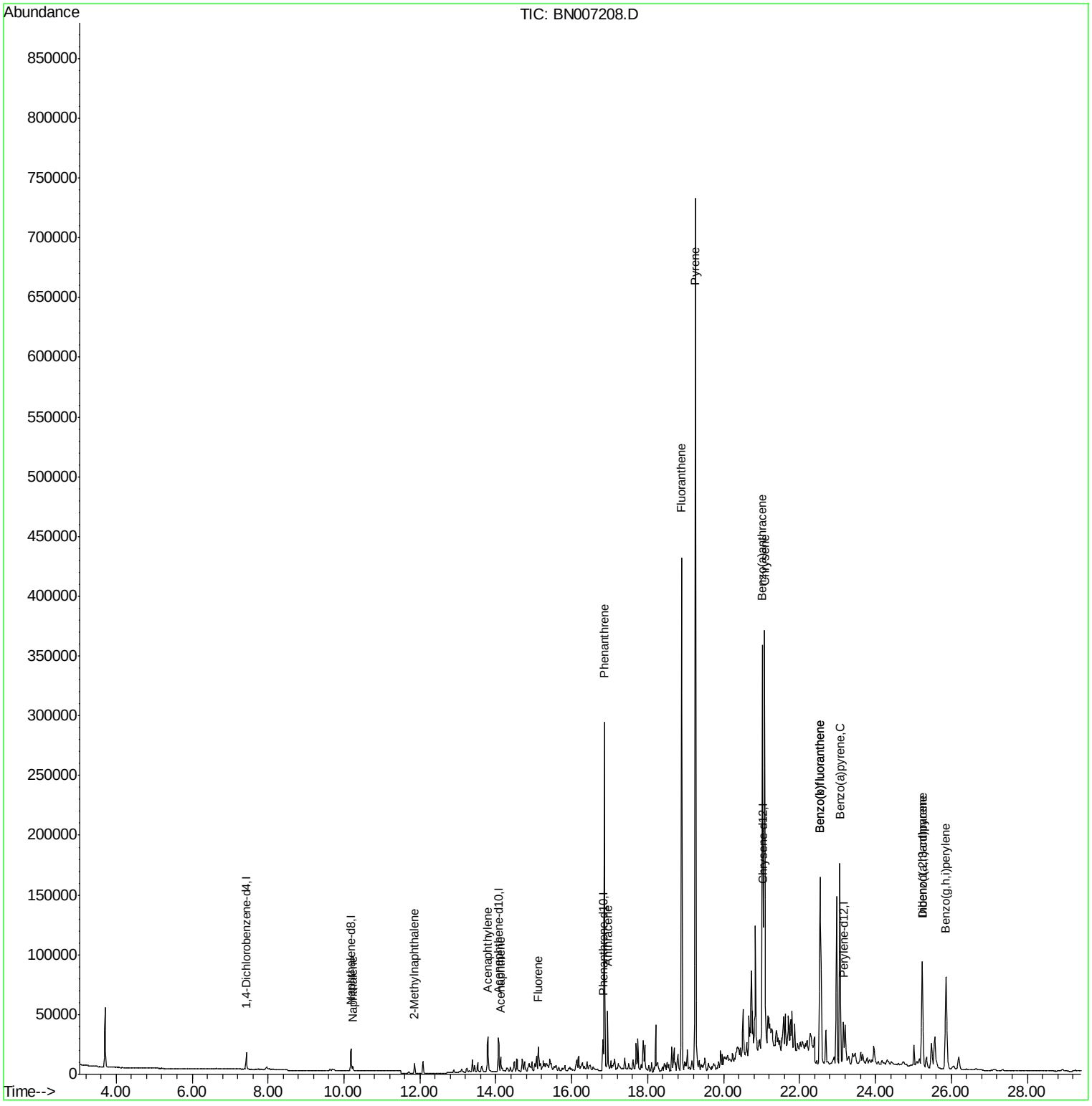
(#) = qualifier out of range (m) = manual integration (+) = signals summed

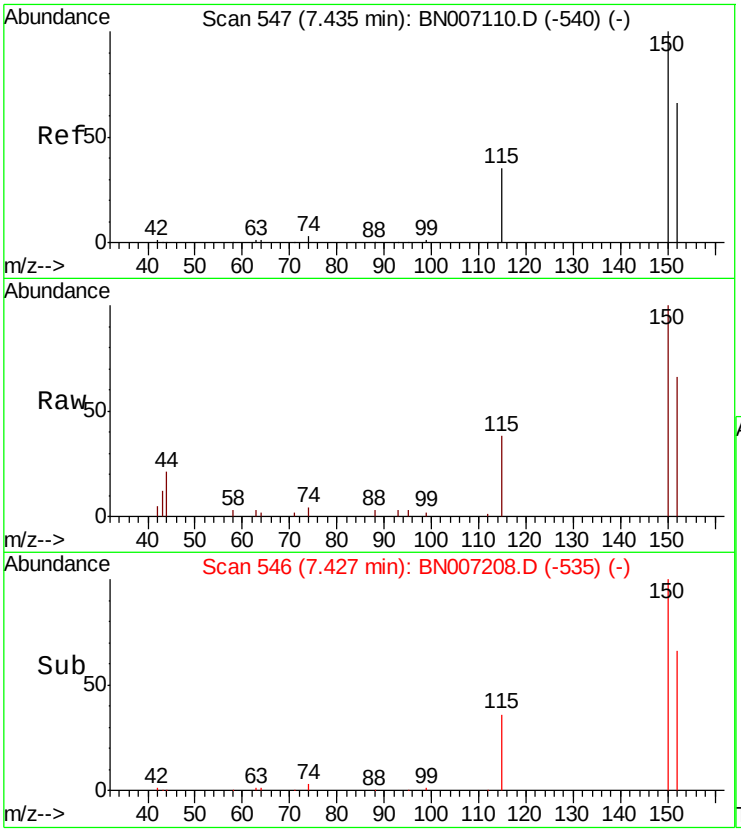
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081519\
Data File : BN007208.D
Acq On : 15 Aug 2019 22:10
Operator : HP/JU
Sample : K4239-14DL 50X
Misc :
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Aug 16 07:06:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration



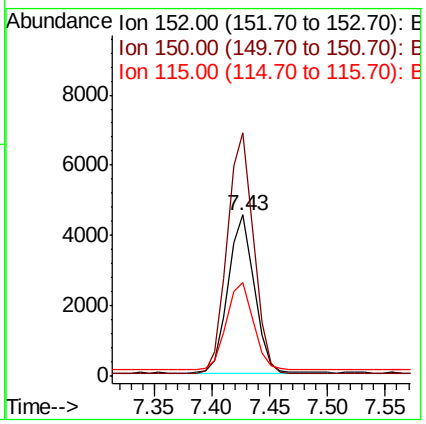


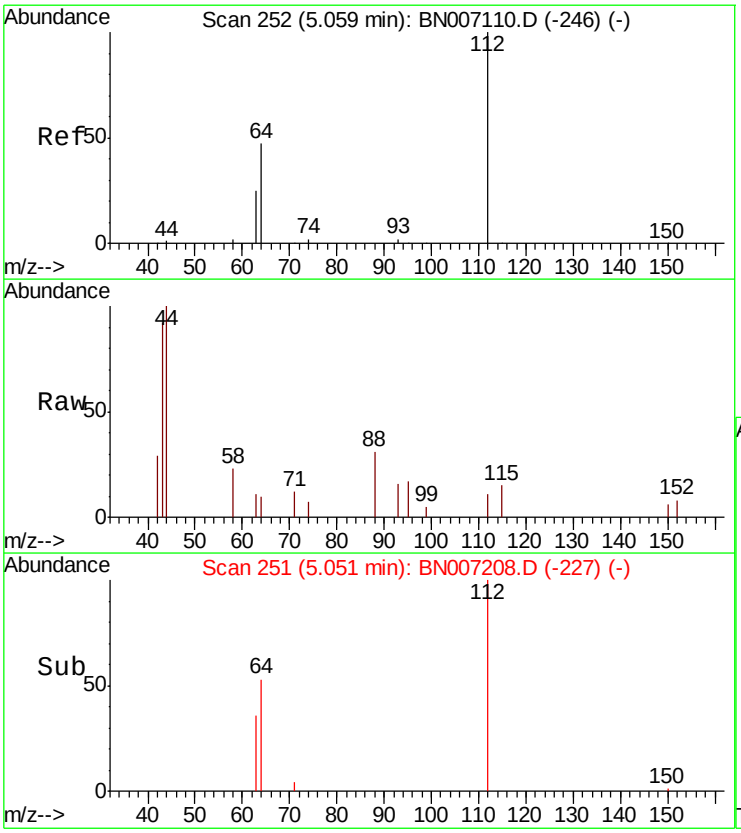

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

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

Tgt Ion:152 Resp: 7032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 150.6 | 121.7 | 182.5 |
| 115 | 58.0 | 46.2 | 69.4 |

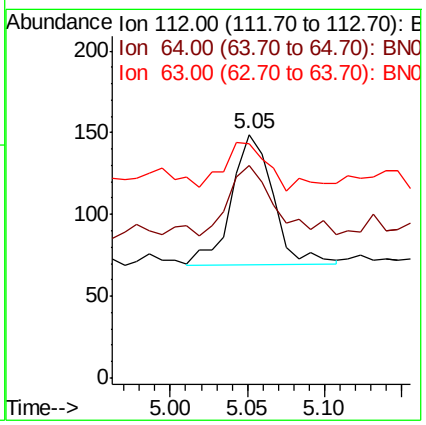


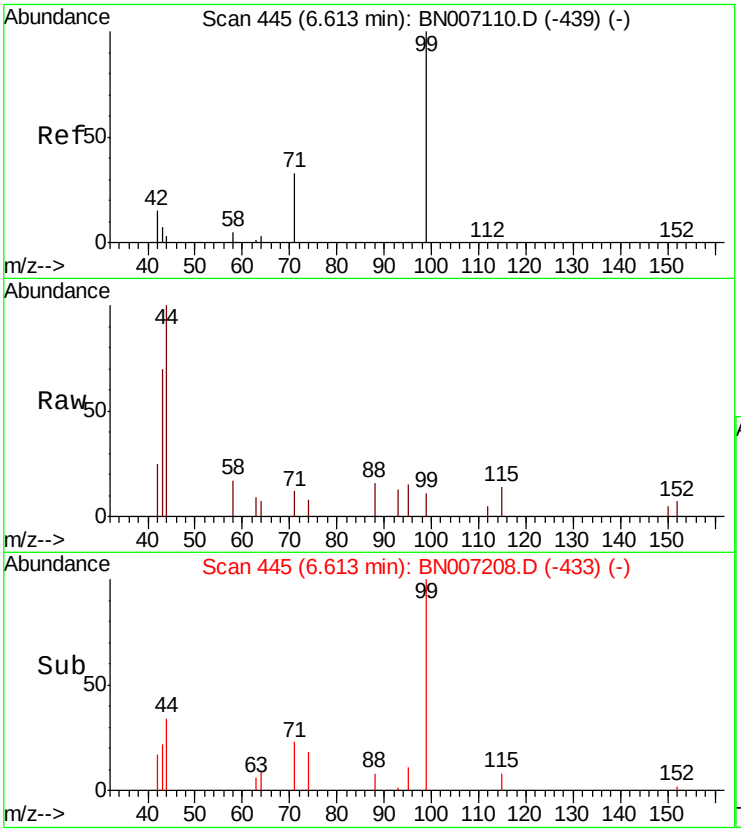




#3
2-Fluorophenol
Concen: 0.009 ng
RT: 5.05 min Scan# 251
Delta R.T. -0.01 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

Tgt Ion:112 Resp: 148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 68.2 | 42.6 | 63.8# |
| 63 | 38.5 | 22.2 | 33.2# |



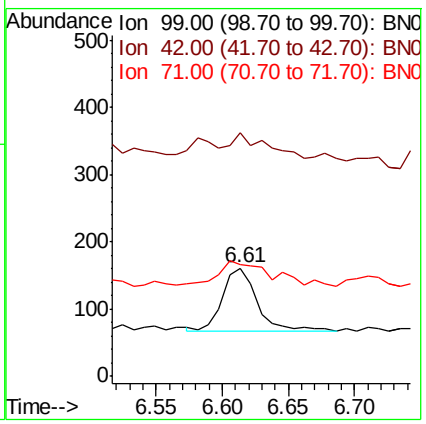


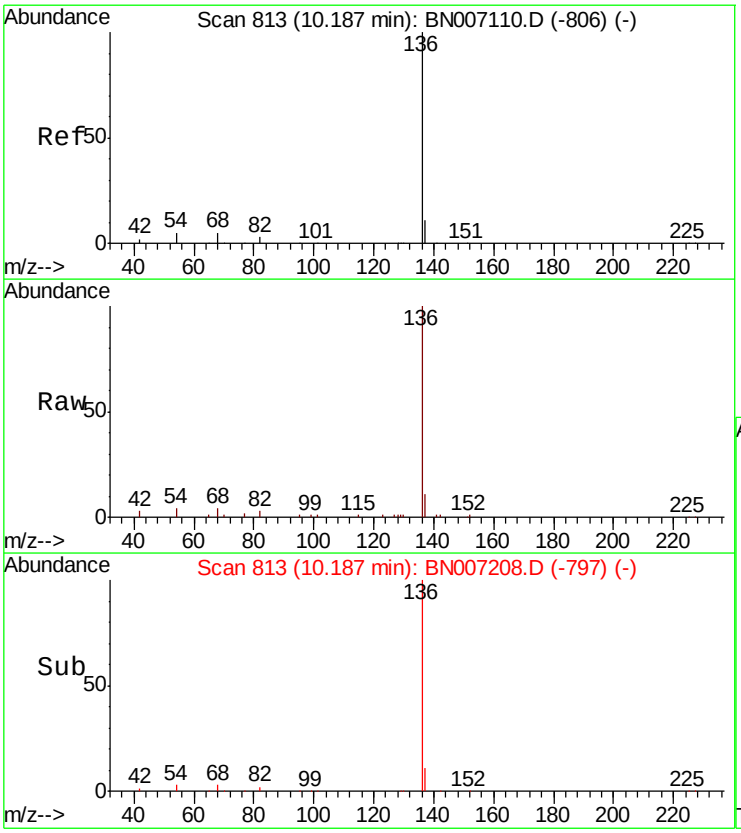

#4
Phenol-d6
Concen: 0.008 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

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

Tgt Ion: 99 Resp: 163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 42.3 | 15.8 | 23.6# |
| 71 | 68.1 | 27.0 | 40.4# |

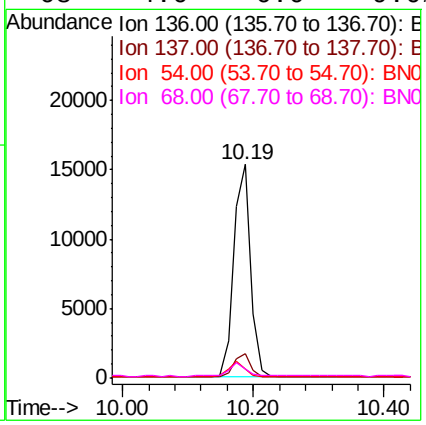


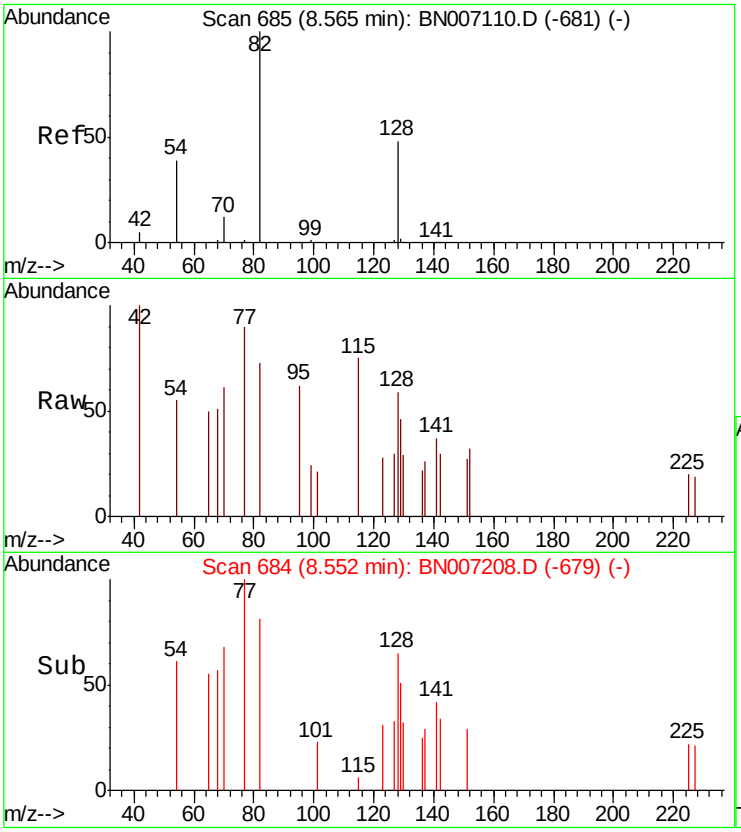




#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

Tgt Ion:136 Resp: 27341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 9.4 | 14.0 |
| 54 | 4.3 | 6.6 | 9.8# |
| 68 | 4.0 | 6.0 | 9.0# |



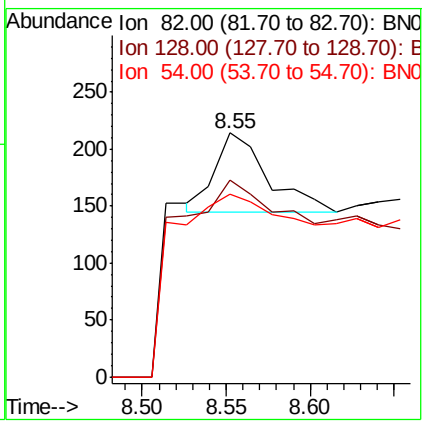


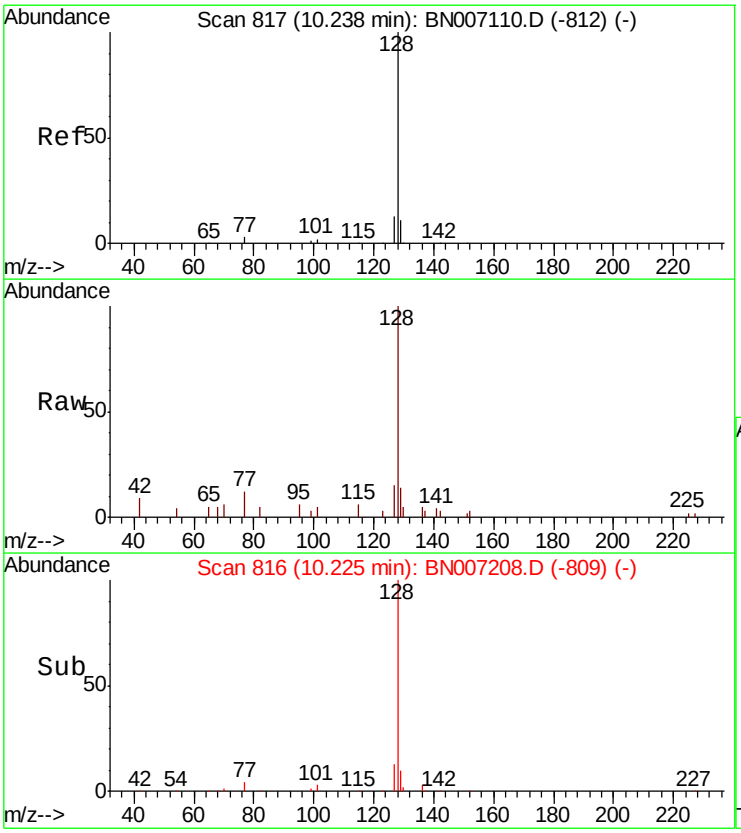

#7
Nitrobenzene-d5
Concen: 0.007 ng
RT: 8.55 min Scan# 684
Delta R.T. -0.01 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

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

Tgt Ion: 82 Resp: 151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 80.8 | 34.6 | 51.8# |
| 54 | 75.2 | 36.2 | 54.4# |

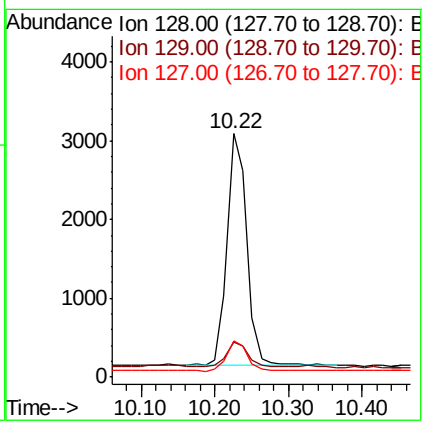


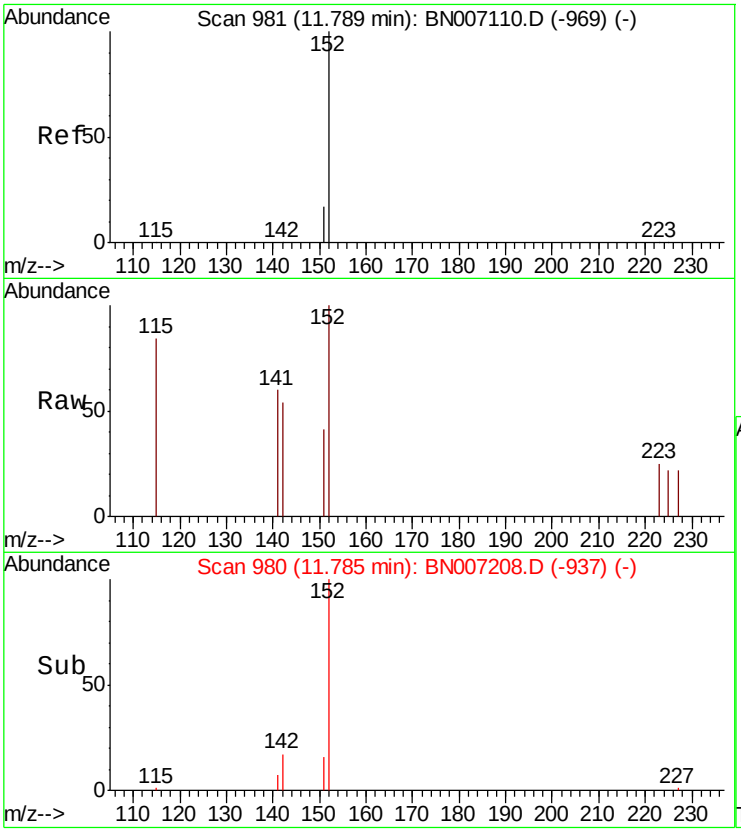




#8
Naphthalene
Concen: 0.071 ng
RT: 10.22 min Scan# 816
Delta R.T. -0.01 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

Tgt Ion:128 Resp: 5458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 14.5 | 9.4 | 14.2# |
| 127 | 15.1 | 11.0 | 16.6 |



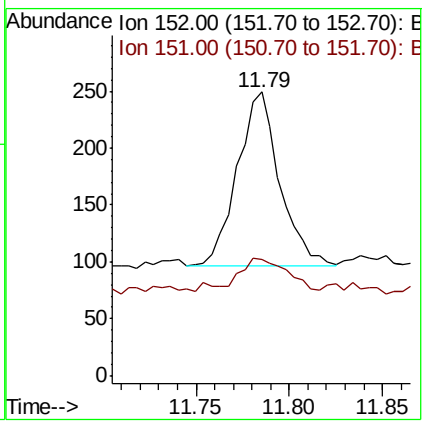


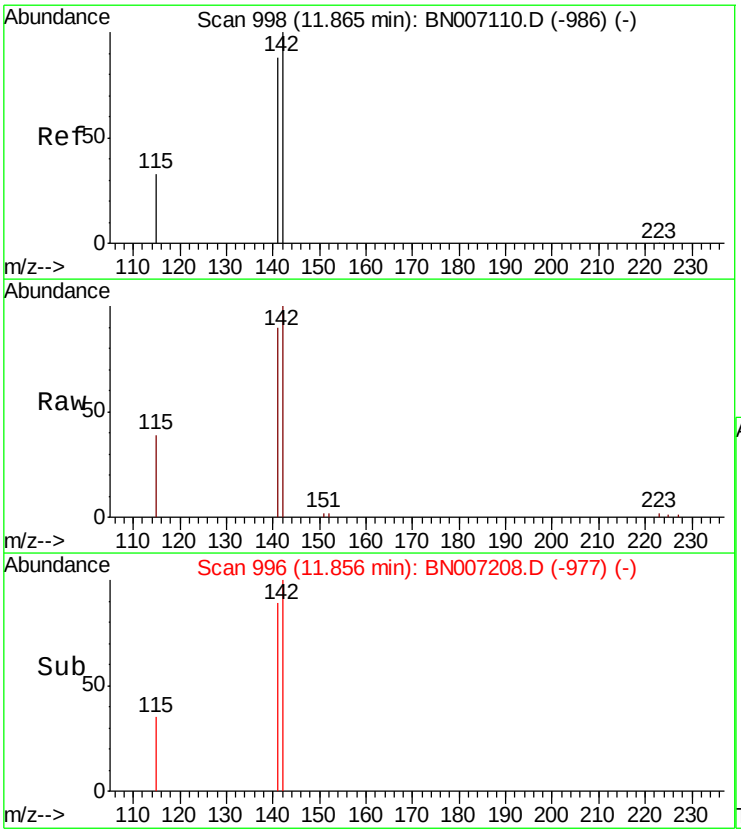

#10
2-Methylnaphthalene-d10
Concen: 0.005 ng
RT: 11.79 min Scan# 980
Delta R.T. -0.01 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

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

Tgt Ion:152 Resp: 243

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 15.5 | 23.3 |

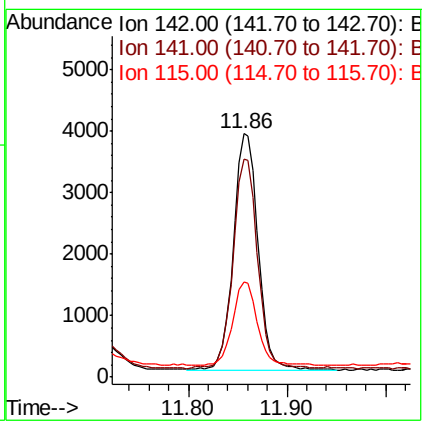


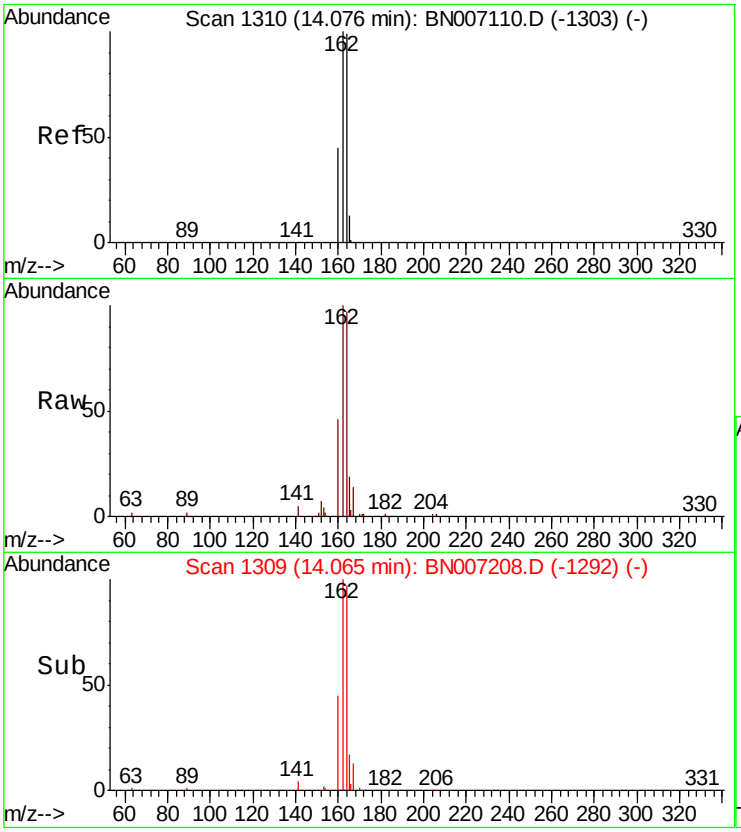




#11
2-Methylnaphthalene
Concen: 0.123 ng
RT: 11.86 min Scan# 996
Delta R.T. -0.01 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

Tgt Ion:142 Resp: 6666

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.8 | 69.0 | 103.6 |
| 115 | 39.1 | 27.1 | 40.7 |



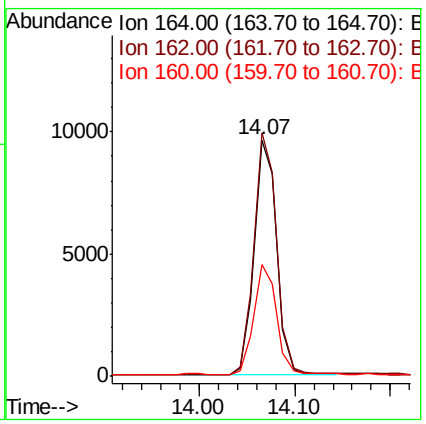


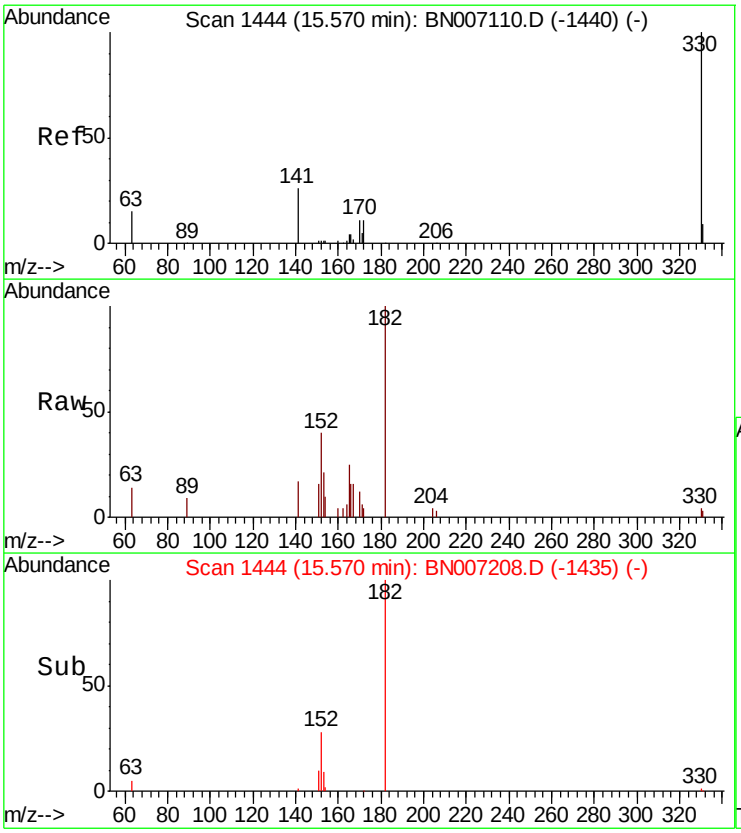

#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.07 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

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

Tgt Ion:164 Resp: 15606

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.2 | 82.2 | 123.4 |
| 160 | 47.1 | 38.3 | 57.5 |

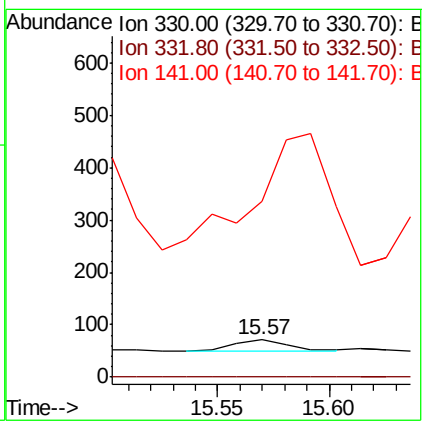


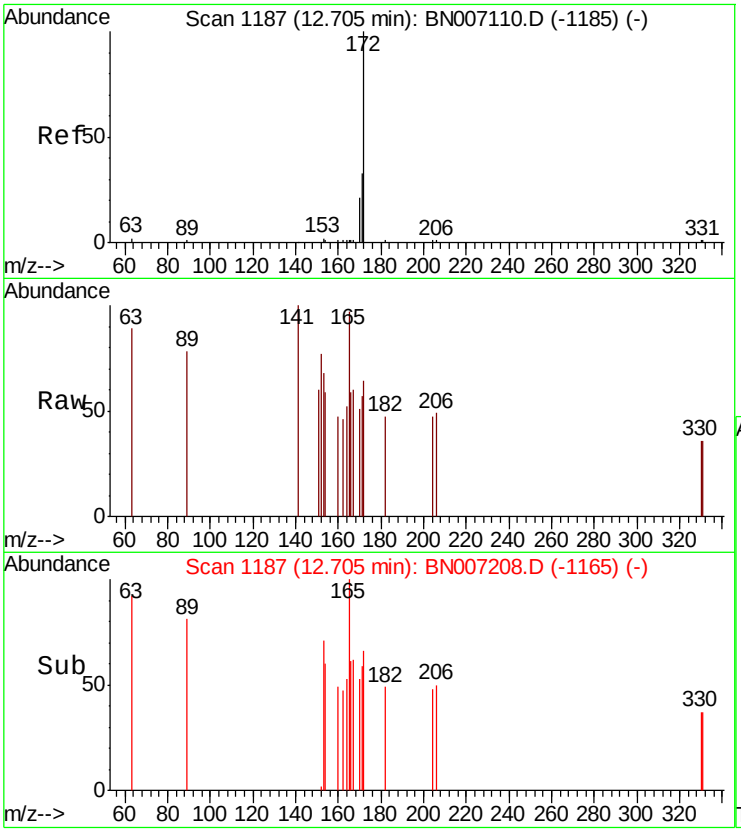




#13
2,4,6-Tribromophenol
Concen: 0.004 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

Tgt Ion:330 Resp: 36

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 0.0 | 0.0 | 0.0 |
| 141 | 0.0 | 33.6 | 50.4# |



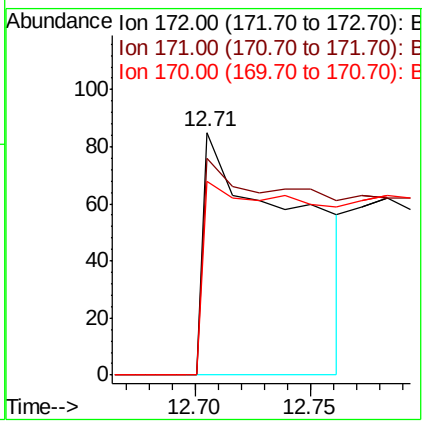


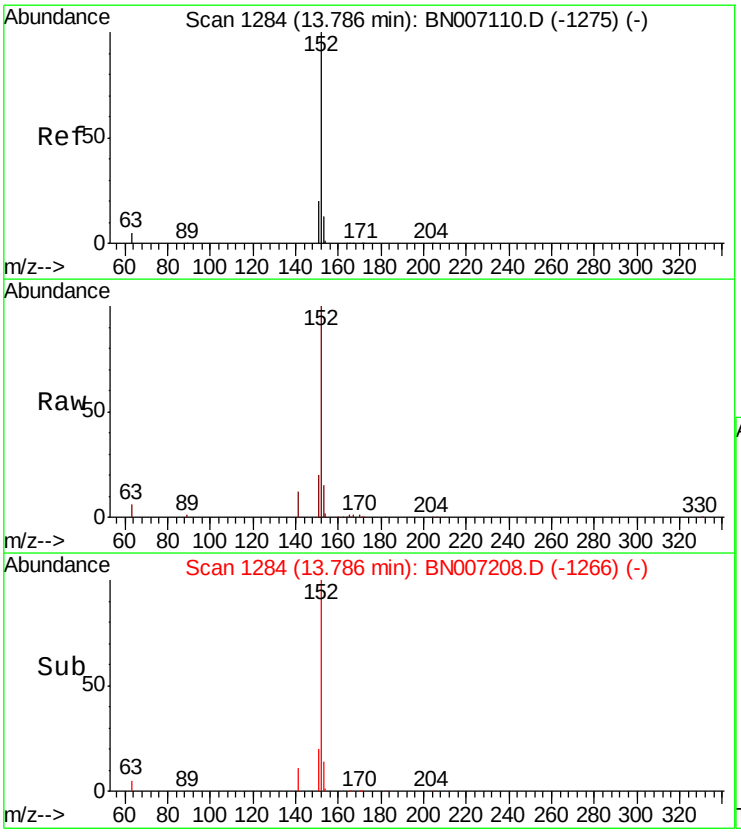

#14
2-Fluorobiphenyl
Concen: 0.009 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

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

Tgt Ion:172 Resp: 212

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 89.4 | 26.3 | 39.5# |
| 170 | 80.0 | 17.0 | 25.4# |

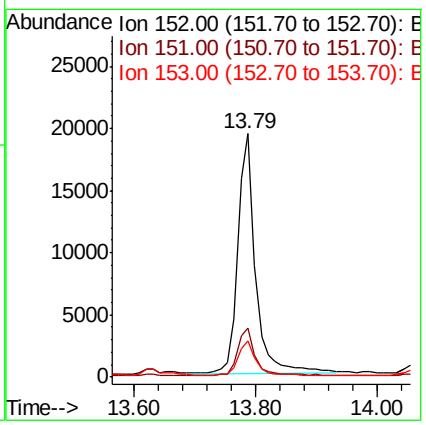


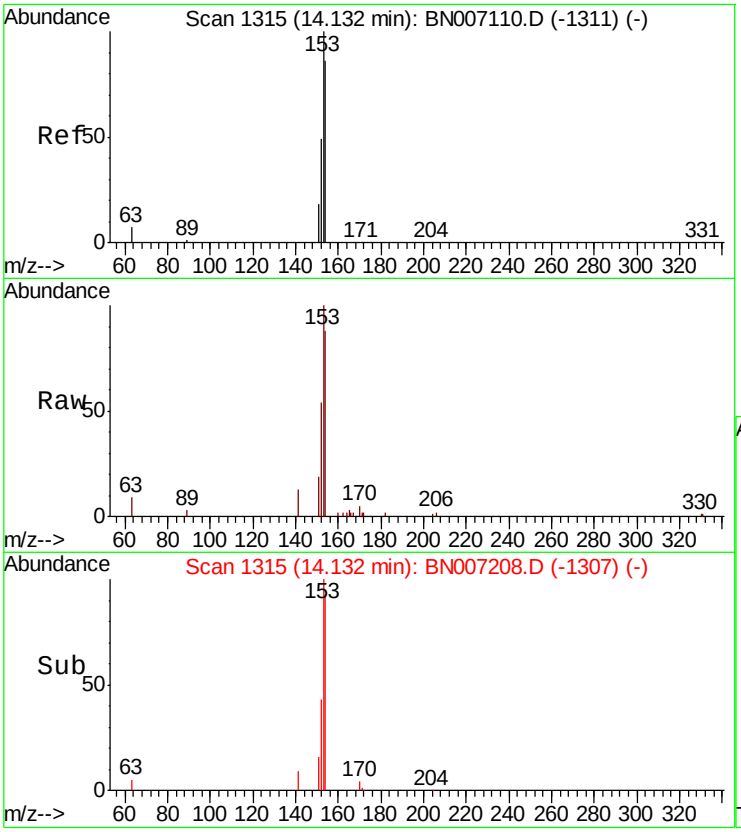




#15
Acenaphthylene
Concen: 0.479 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

Tgt Ion:152 Resp: 39076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.6 | 15.8 | 23.6 |
| 153 | 14.0 | 10.4 | 15.6 |



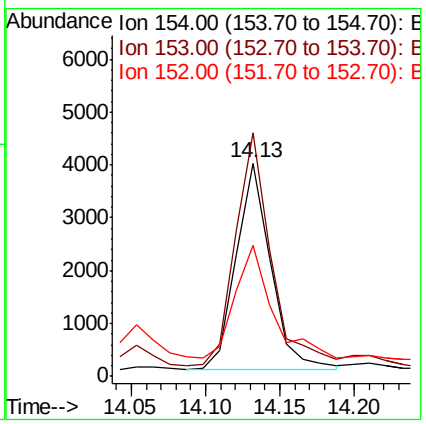


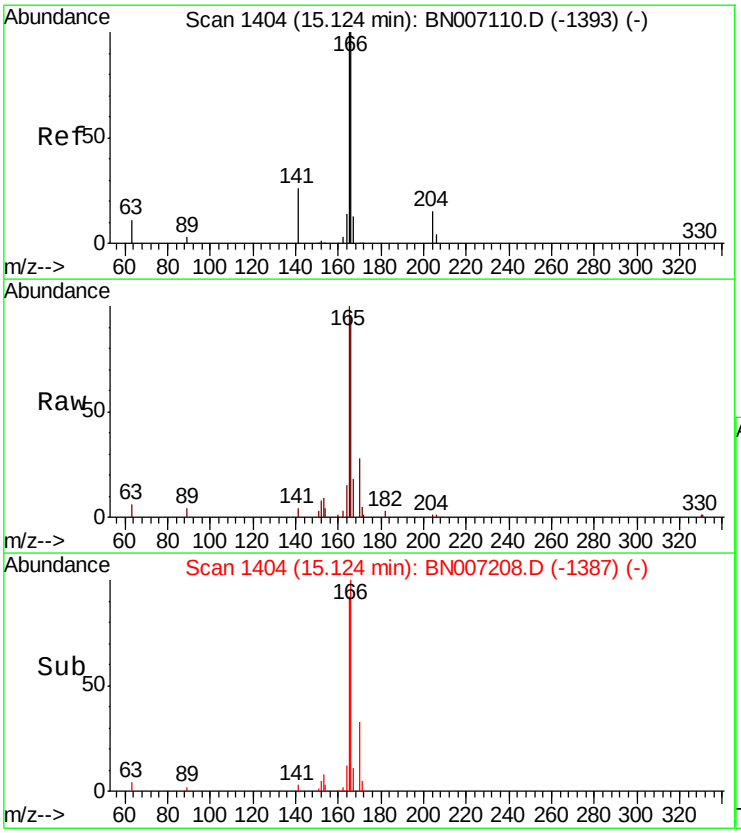

#16
Acenaphthene
Concen: 0.119 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

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

Tgt Ion:154 Resp: 6234

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 124.0 | 89.5 | 134.3 |
| 152 | 58.0 | 44.8 | 67.2 |

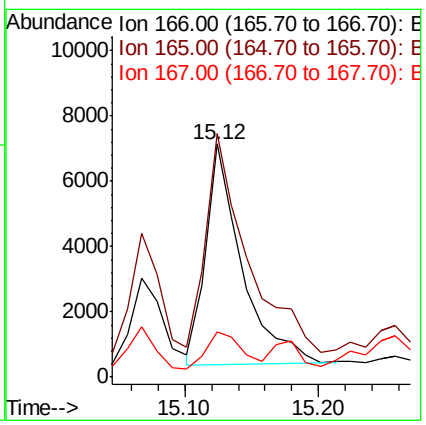


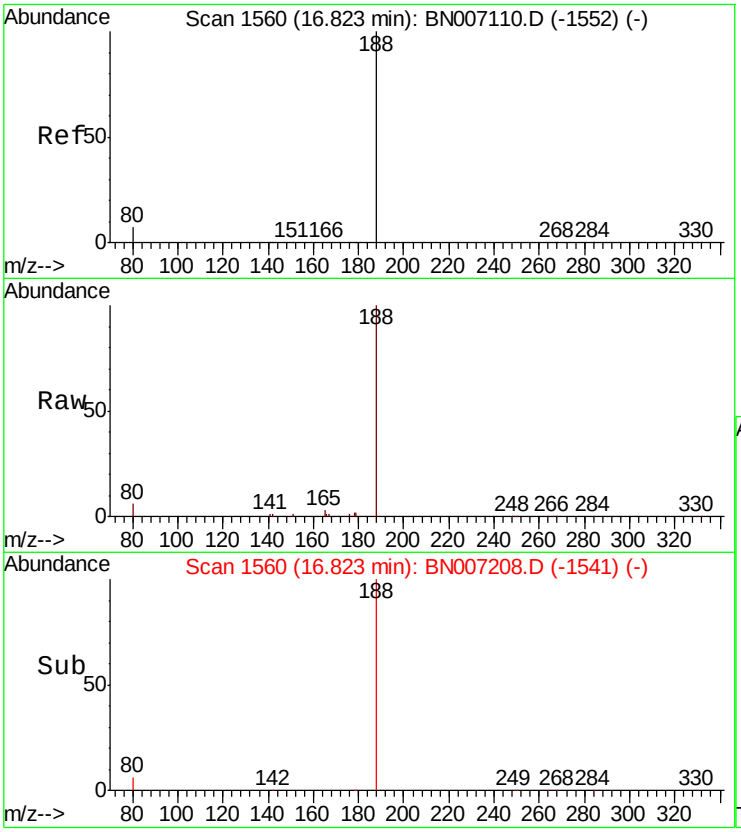




#17
Fluorene
Concen: 0.162 ng
RT: 15.12 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

Tgt Ion:166 Resp: 12665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 114.4 | 77.9 | 116.9 |
| 167 | 16.8 | 10.9 | 16.3# |



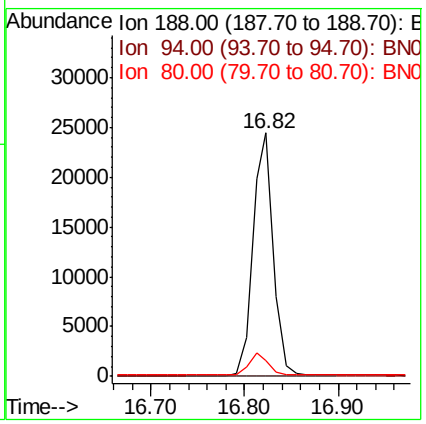


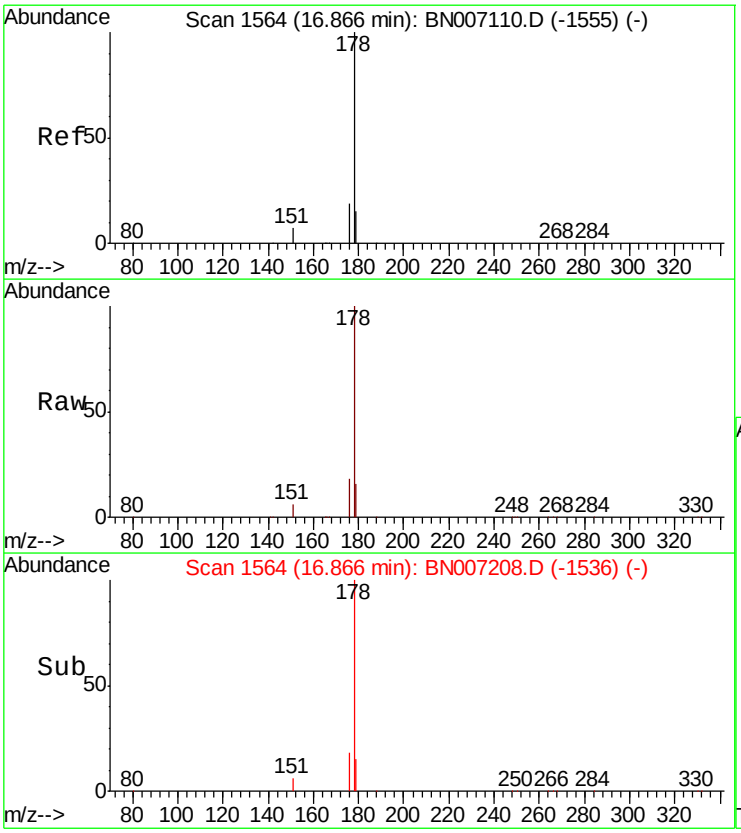

#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

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

Tgt Ion:188 Resp: 36797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 6.5 | 7.8 | 11.6# |

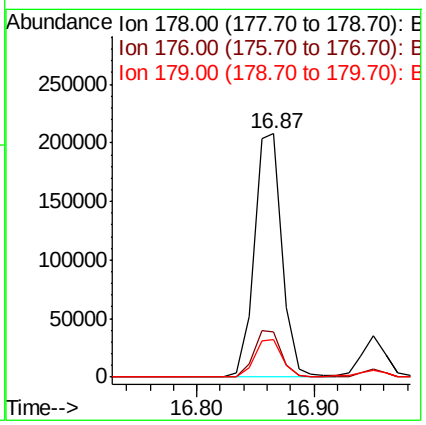


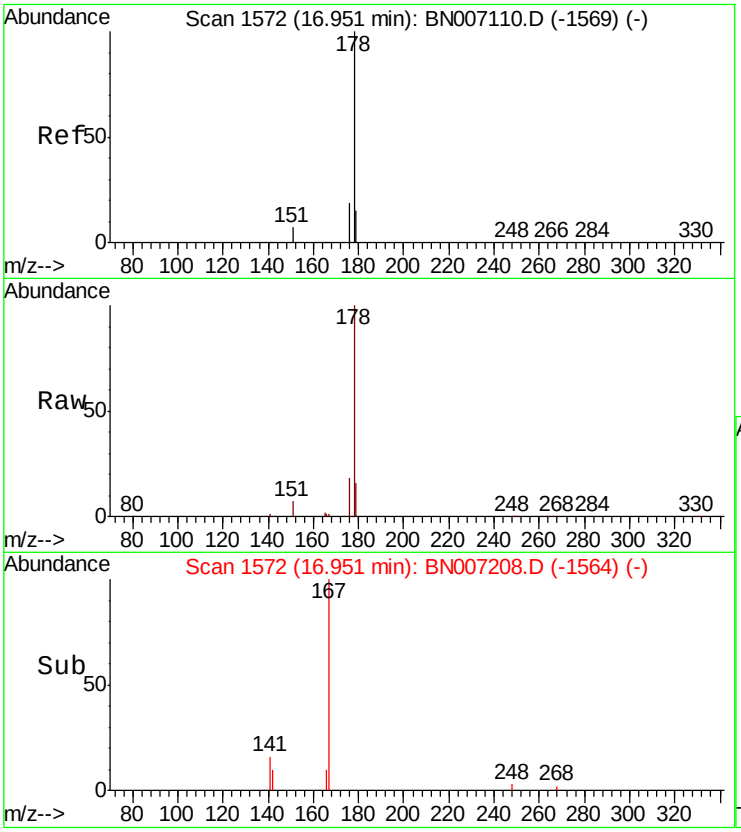




#22
Phenanthrene
Concen: 3.104 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

Tgt Ion:178 Resp: 342320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 15.2 | 22.8 |
| 179 | 15.4 | 12.3 | 18.5 |



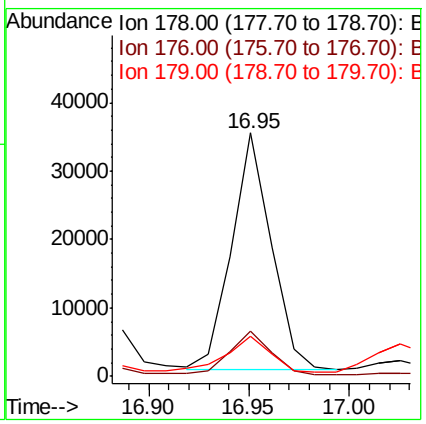


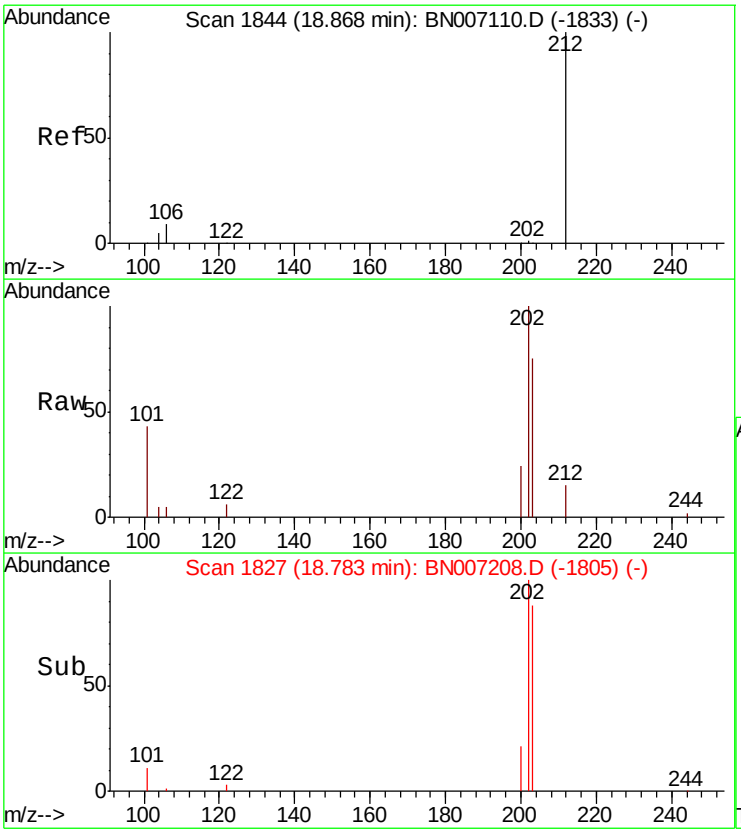

#23
Anthracene
Concen: 0.470 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

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

Tgt Ion:178 Resp: 47378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 14.6 | 21.8 |
| 179 | 17.1 | 12.5 | 18.7 |

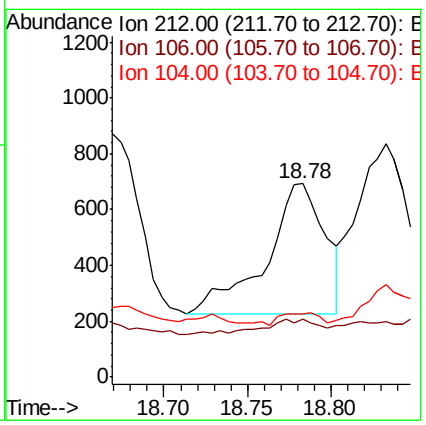


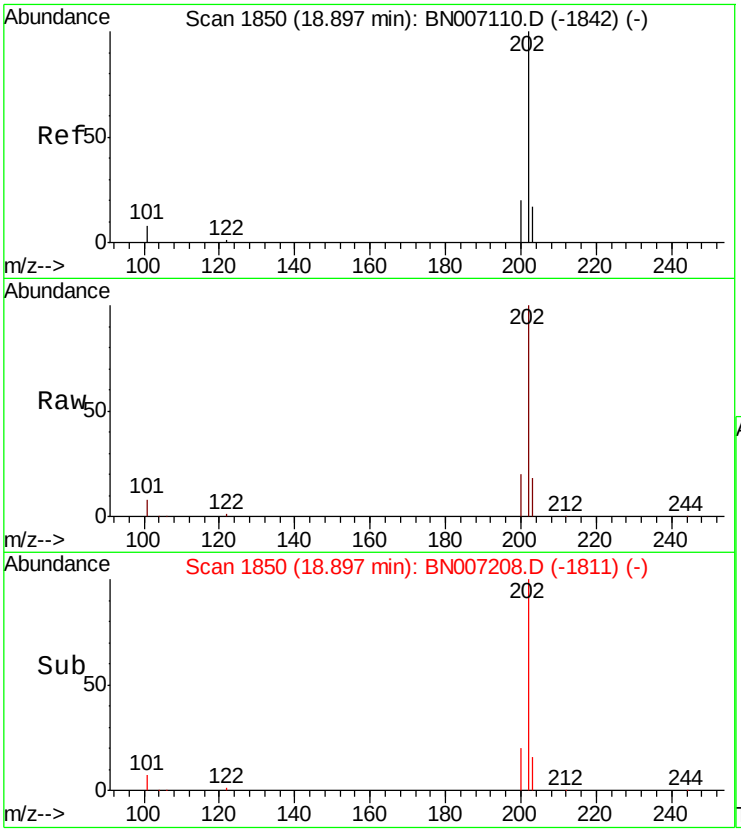




#24
Fluoranthene-d10
Concen: 0.009 ng
RT: 18.78 min Scan# 1827
Delta R.T. -0.09 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

Tgt Ion:212 Resp: 1136

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 10.9 | 8.2 | 12.2 |
| 104 | 4.9 | 4.5 | 6.7 |



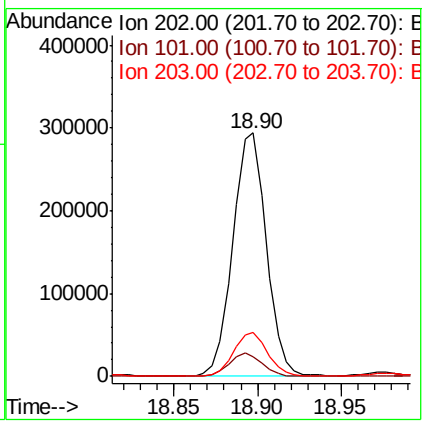


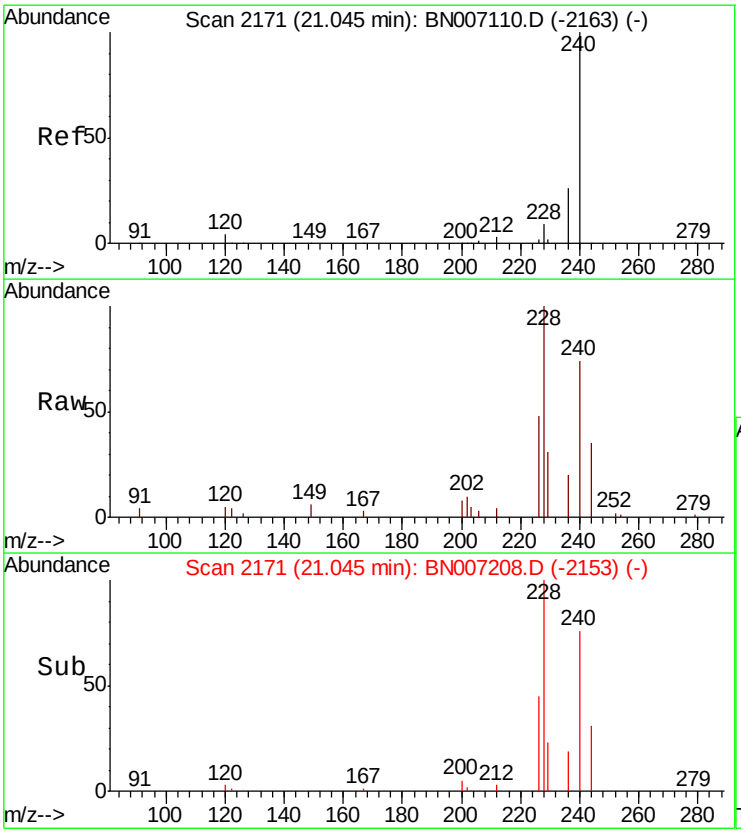

#25
Fluoranthene
Concen: 2.879 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

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

Tgt Ion:202 Resp: 406110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.1 | 7.0 | 10.4 |
| 203 | 18.0 | 13.8 | 20.8 |

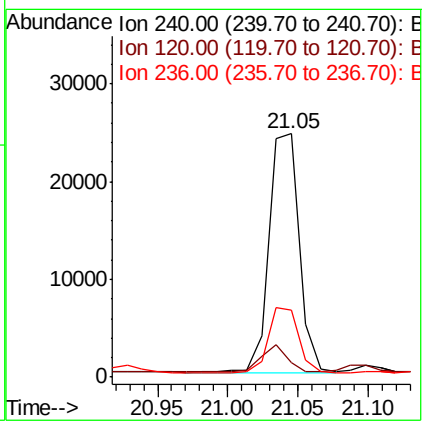


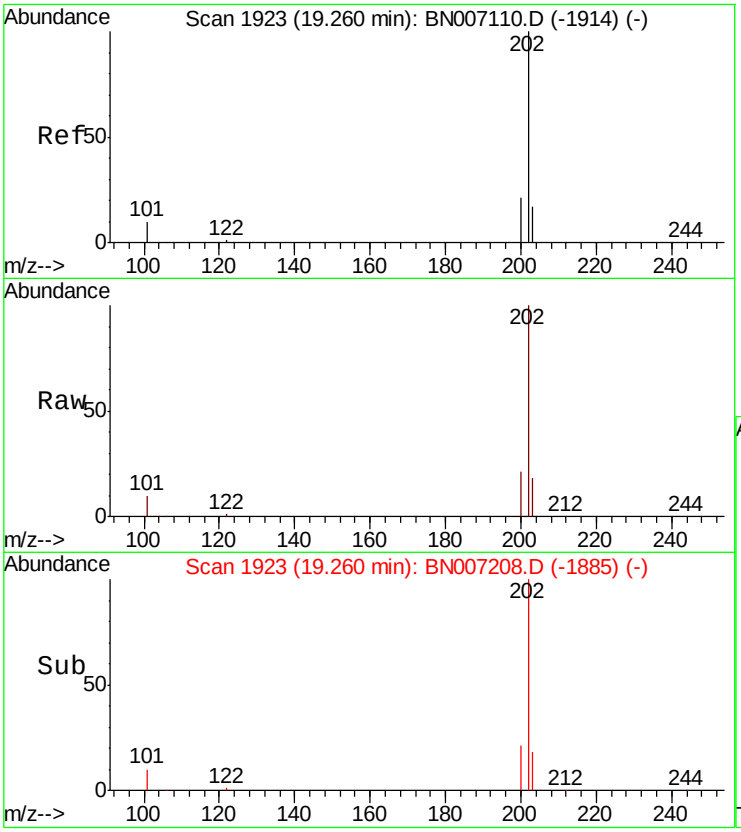




#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

Tgt Ion:240 Resp: 37272

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.1 | 4.0 | 6.0# |
| 236 | 27.4 | 21.3 | 31.9 |



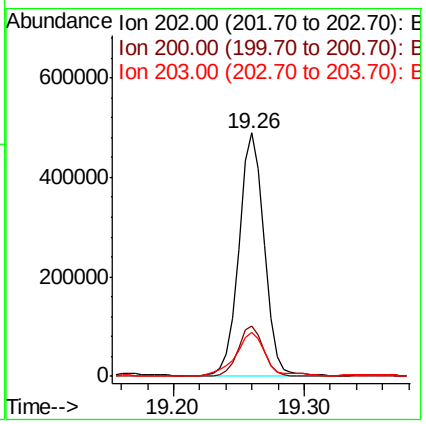


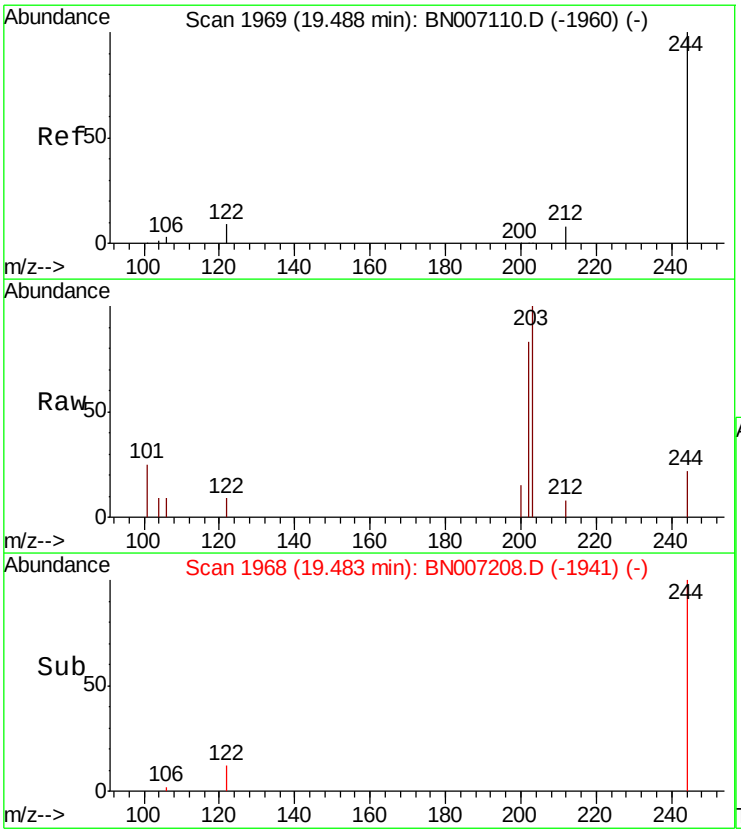

#27
Pyrene
Concen: 5.087 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

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

Tgt Ion:202 Resp: 664977

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.8 | 16.6 | 24.8 |
| 203 | 20.4 | 14.0 | 21.0 |

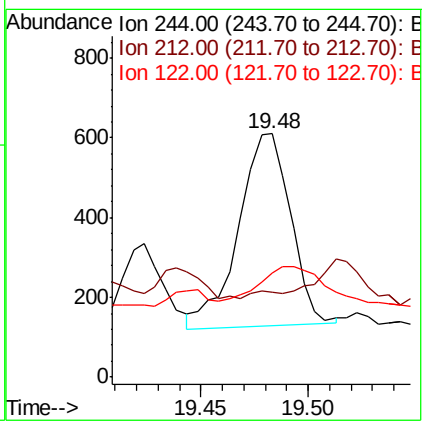


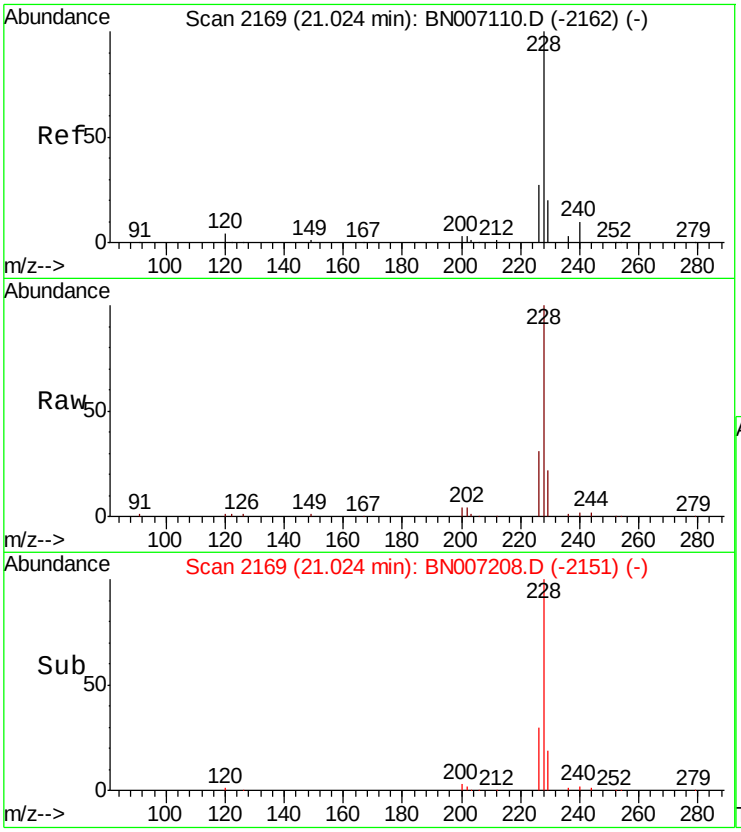




#28
Terphenyl-d14
Concen: 0.008 ng
RT: 19.48 min Scan# 1968
Delta R.T. -0.02 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

Tgt Ion:244 Resp: 817

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 34.9 | 6.2 | 9.2# |
| 122 | 42.6 | 7.4 | 11.2# |



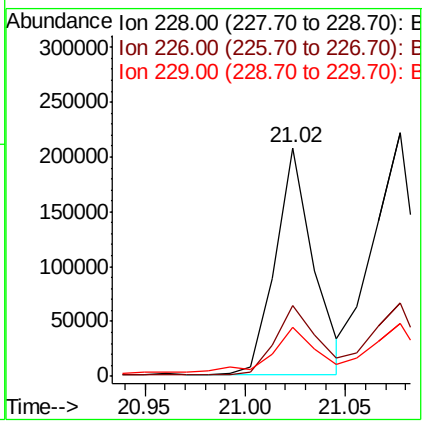


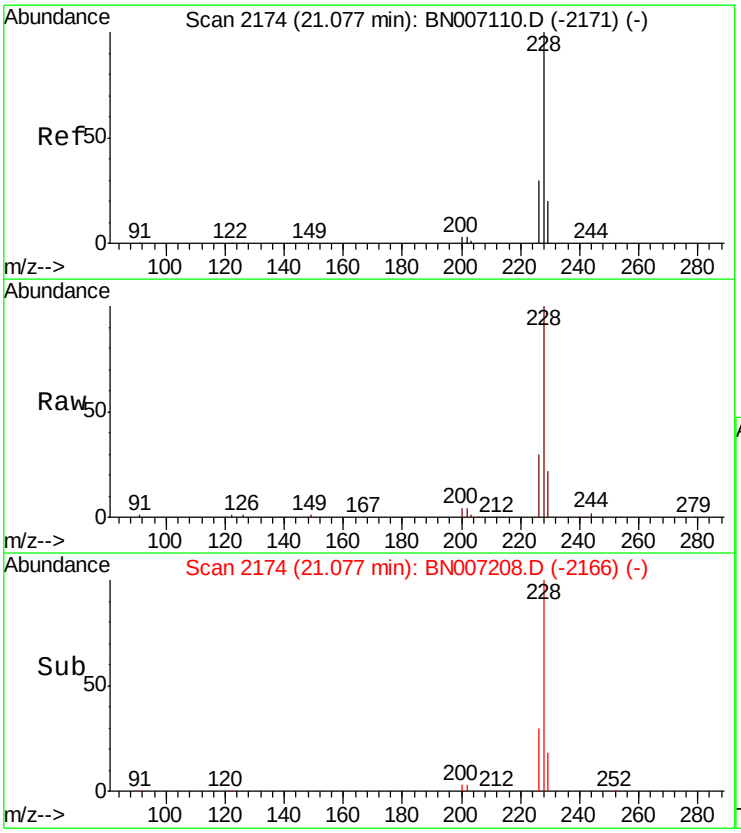

#29
Benzo(a)anthracene
Concen: 2.007 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

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

Tgt Ion:228 Resp: 273591

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 21.8 | 32.6 |
| 229 | 21.5 | 15.6 | 23.4 |

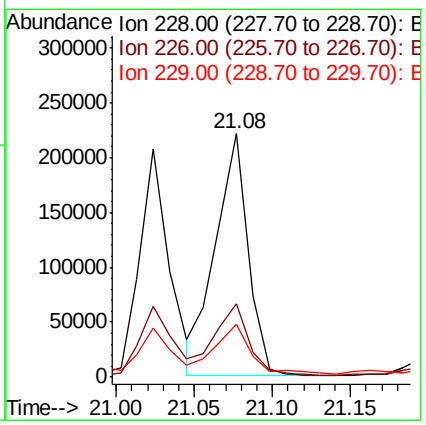


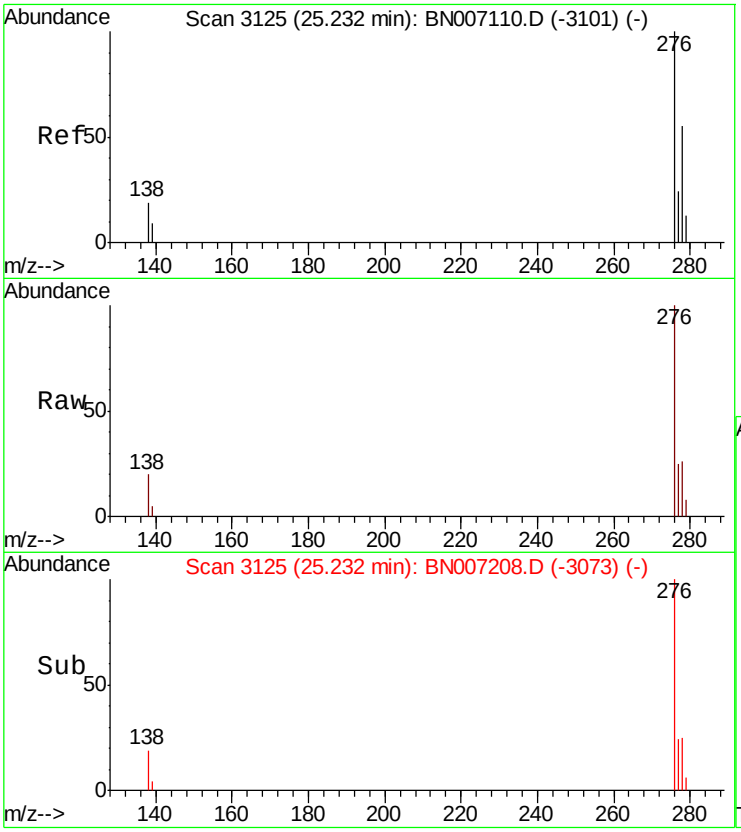




#30
Chrysene
Concen: 2.426 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

Tgt Ion:228 Resp: 321245

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.0 | 23.8 | 35.6 |
| 229 | 21.6 | 15.7 | 23.5 |



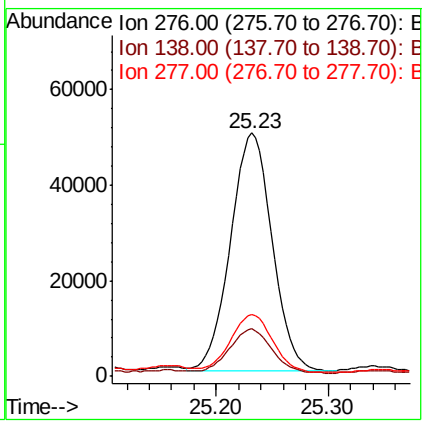


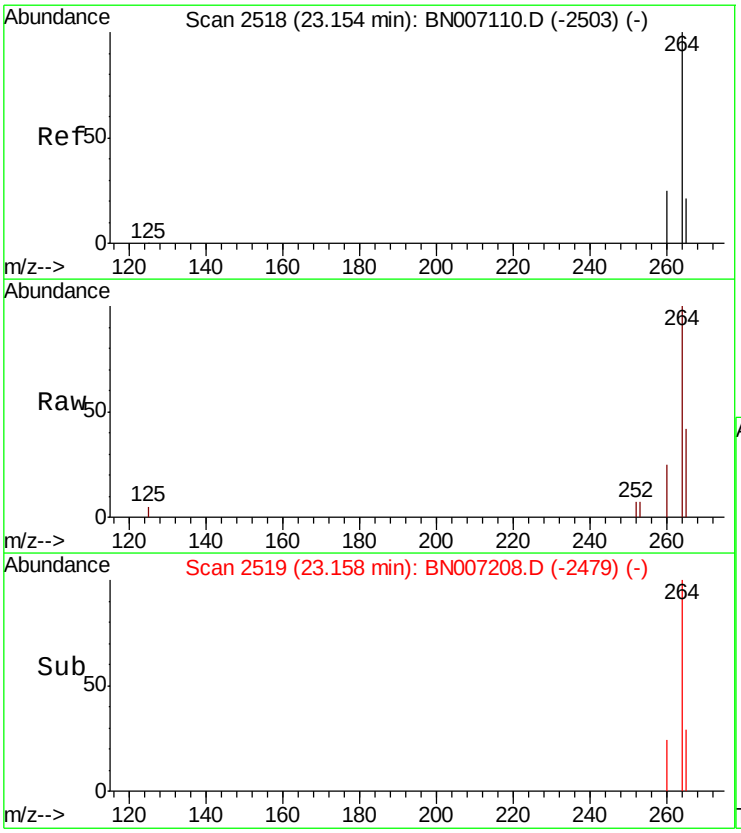

#31
Indeno(1,2,3-cd)pyrene
Concen: 0.876 ng
RT: 25.23 min Scan# 3125
Delta R.T. -0.02 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

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

Tgt Ion:276 Resp: 127910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 18.9 | 16.0 | 24.0 |
| 277 | 25.0 | 19.9 | 29.9 |

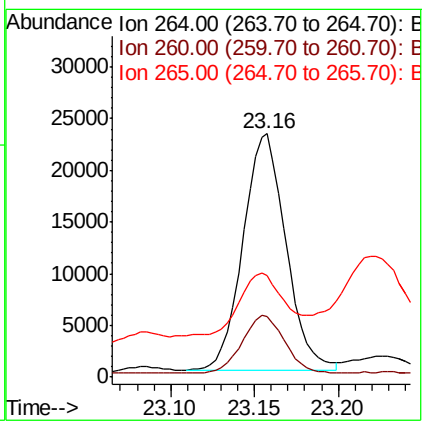


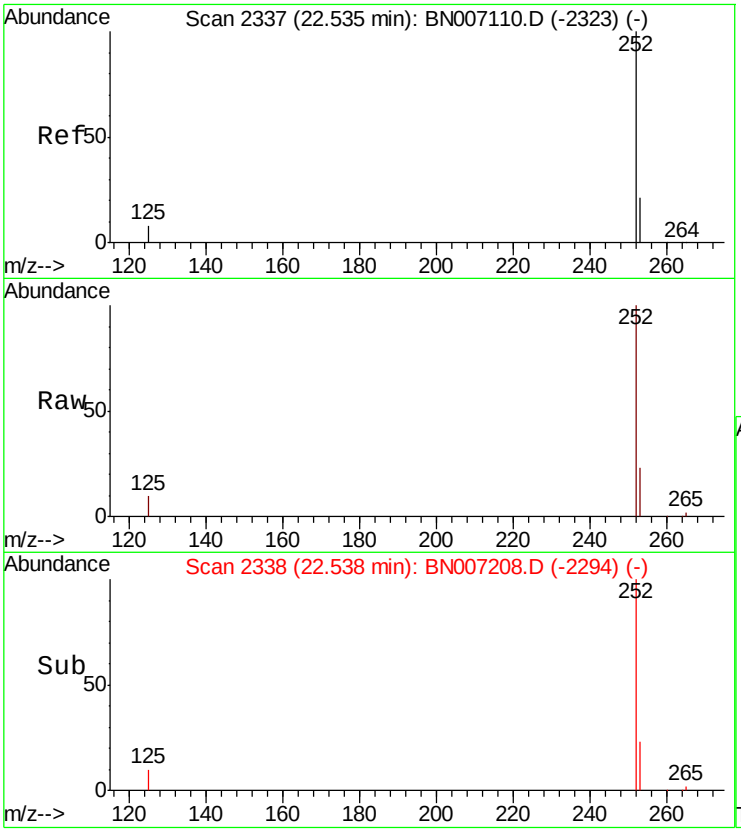




#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

Tgt Ion:264 Resp: 41117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.9 | 19.8 | 29.8 |
| 265 | 41.8 | 26.2 | 39.4# |



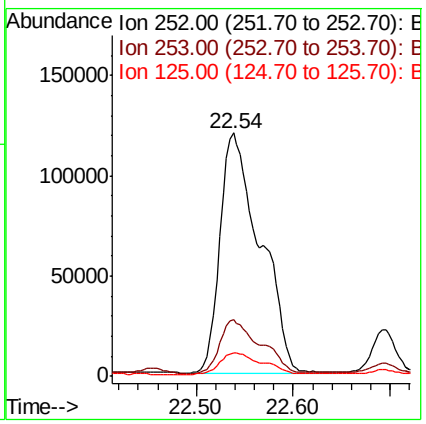


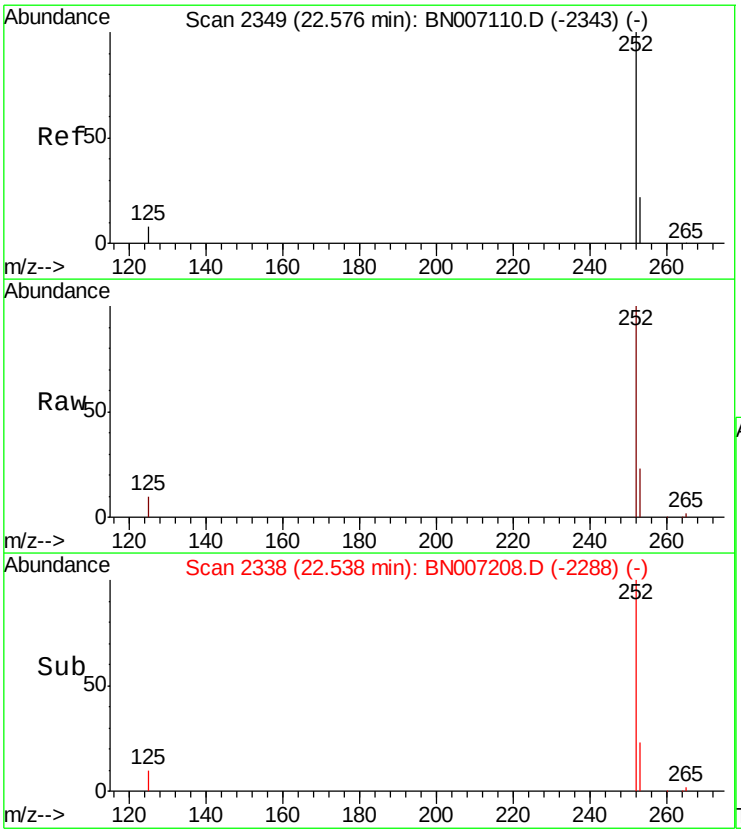

#33
Benzo(b)fluoranthene
Concen: 2.440 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

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

Tgt Ion:252 Resp: 343966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 18.2 | 27.2 |
| 125 | 9.5 | 7.4 | 11.0 |

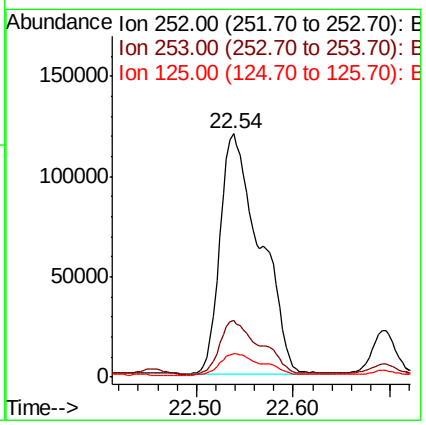


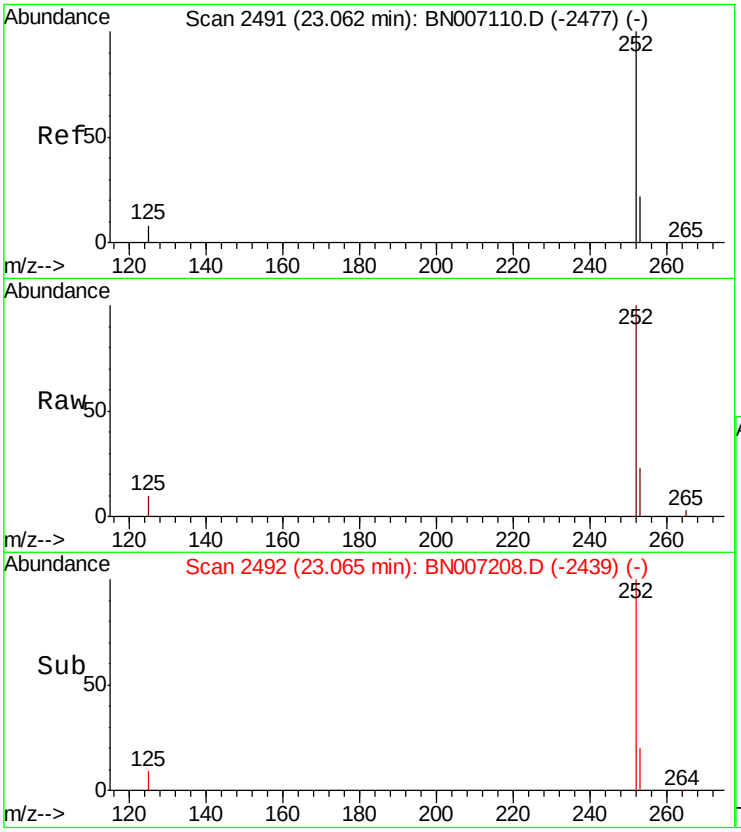




#34
Benzo(k)fluoranthene
Concen: 2.472 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.05 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

Tgt Ion:252 Resp: 344211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 18.1 | 27.1 |
| 125 | 9.5 | 7.4 | 11.0 |



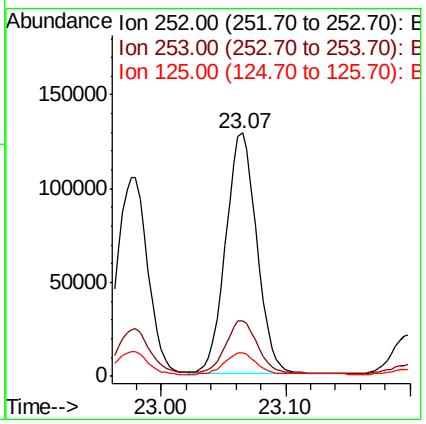


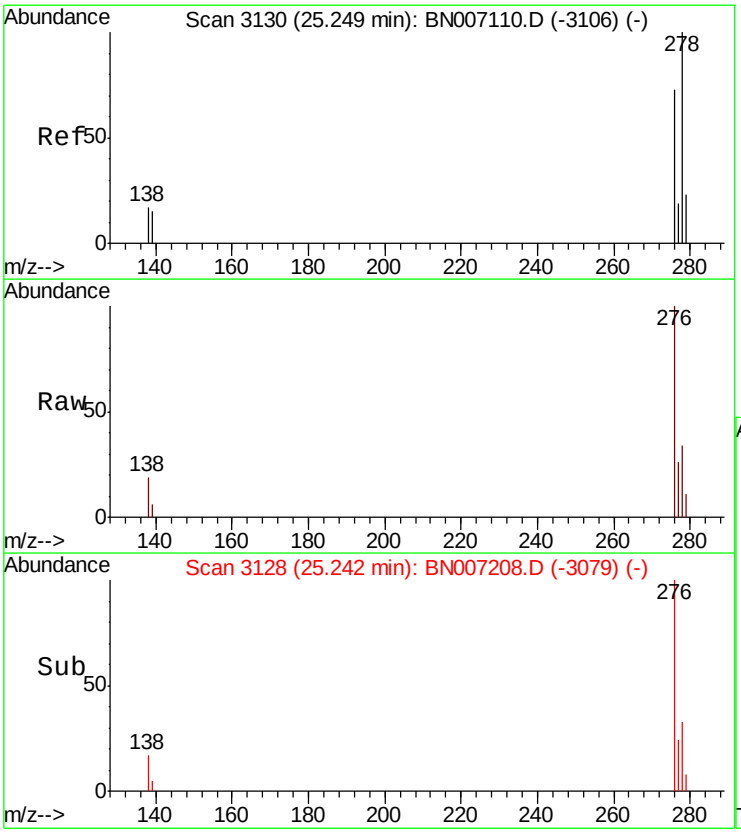

#35
Benzo(a)pyrene
Concen: 1.735 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

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

Tgt Ion:252 Resp: 221796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 18.5 | 27.7 |
| 125 | 9.7 | 8.2 | 12.4 |

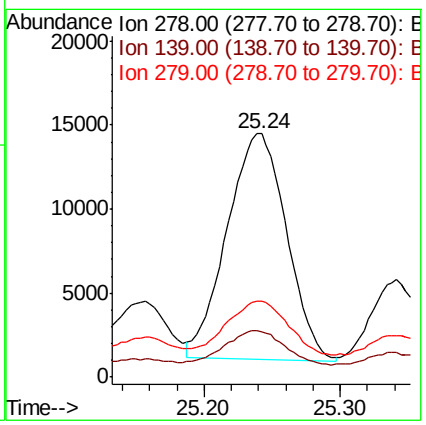


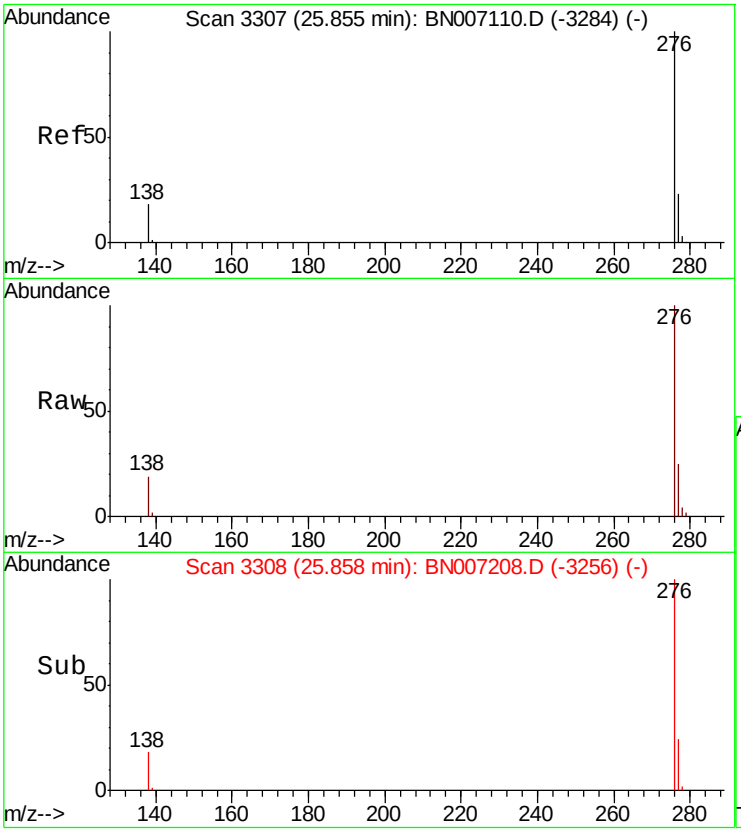




#36
Dibenzo(a,h)anthracene
Concen: 0.319 ng
RT: 25.24 min Scan# 3128
Delta R.T. -0.03 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

Tgt Ion:278 Resp: 40626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.6 | 11.3 | 16.9# |
| 279 | 31.3 | 19.3 | 28.9# |






#37
Benzo(g,h,i)perylene
Concen: 1.192 ng
RT: 25.86 min Scan# 3308
Delta R.T. -0.02 min
Lab File: BN007208.D
Acq: 15 Aug 2019 22:10

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

Tgt Ion:276 Resp: 156410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.9 | 19.8 | 29.8 |
| 138 | 19.4 | 14.6 | 22.0 |