Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081019\
Data File : BN007066.D
Acq On : 11 Aug 2019 01:59
Operator : HP/JU
Sample : K4239-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Aug 12 04:39:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 10 21:44:50 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.43 | 152 | 8082 | 0.40 | ng | | 0.00 |
| 6) Naphthalene-d8 | 10.19 | 136 | 30386 | 0.40 | ng | | 0.00 |
| 12) Acenaphthene-d10 | 14.08 | 164 | 17109 | 0.40 | ng | | 0.00 |
| 18) Phenanthrene-d10 | 16.82 | 188 | 42288 | 0.40 | ng | | 0.00 |
| 26) Chrysene-d12 | 21.05 | 240 | 44073 | 0.40 | ng | | -0.01 |
| 32) Perylene-d12 | 23.15 | 264 | 47000 | 0.40 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Fluorophenol | 5.06 | 112 | 5343 | 0.28 | ng | | 0.00 |
| 4) Phenol-d6 | 6.61 | 99 | 7157 | 0.30 | ng | | 0.00 |
| 7) Nitrobenzene-d5 | 8.56 | 82 | 5584 | 0.23 | ng | | 0.00 |
| 10) 2-Methylnaphthalene-d10 | 11.79 | 152 | 12703 | 0.22 | ng | | 0.00 |
| 13) 2,4,6-Tribromophenol | 15.57 | 330 | 1181 | 0.13 | ng | | 0.00 |
| 14) 2-Fluorobiphenyl | 12.71 | 172 | 5299 | 0.21 | ng | | 0.00 |
| 24) Fluoranthene-d10 | 18.87 | 212 | 29532 | 0.20 | ng | | 0.00 |
| 28) Terphenyl-d14 | 19.49 | 244 | 22798 | 0.19 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 8) Naphthalene | 10.24 | 128 | 4789 | 0.056 | ng | | 96 |
| 11) 2-Methylnaphthalene | 11.87 | 142 | 2744 | 0.045 | ng | # | 92 |
| 15) Acenaphthylene | 13.79 | 152 | 4951 | 0.055 | ng | | 97 |
| 16) Acenaphthene | 14.14 | 154 | 5001 | 0.087 | ng | | 98 |
| 17) Fluorene | 15.14 | 166 | 6162 | 0.072 | ng | | 96 |
| 22) Phenanthrene | 16.87 | 178 | 136706 | 1.079 | ng | | 100 |
| 23) Anthracene | 16.96 | 178 | 23195 | 0.200 | ng | # | 93 |
| 25) Fluoranthene | 18.90 | 202 | 178106 | 1.099 | ng | | 100 |
| 27) Pyrene | 19.26 | 202 | 181771 | 1.176 | ng | | 96 |
| 29) Benzo(a)anthracene | 21.02 | 228 | 87563 | 0.543 | ng | | 97 |
| 30) Chrysene | 21.08 | 228 | 86649 | 0.553 | ng | | 97 |
| 31) Indeno(1,2,3-cd)pyrene | 25.23 | 276 | 47668 | 0.276 | ng | | 97 |
| 33) Benzo(b)fluoranthene | 22.54 | 252 | 102766 | 0.638 | ng | | 99 |
| 34) Benzo(k)fluoranthene | 22.54 | 252 | 102766 | 0.646 | ng | | 99 |
| 35) Benzo(a)pyrene | 23.06 | 252 | 75984 | 0.520 | ng | | 99 |
| 36) Dibenzo(a,h)anthracene | 25.24 | 278 | 12341 | 0.085 | ng | # | 86 |
| 37) Benzo(g,h,i)perylene | 25.85 | 276 | 53193 | 0.355 | ng | | 99 |

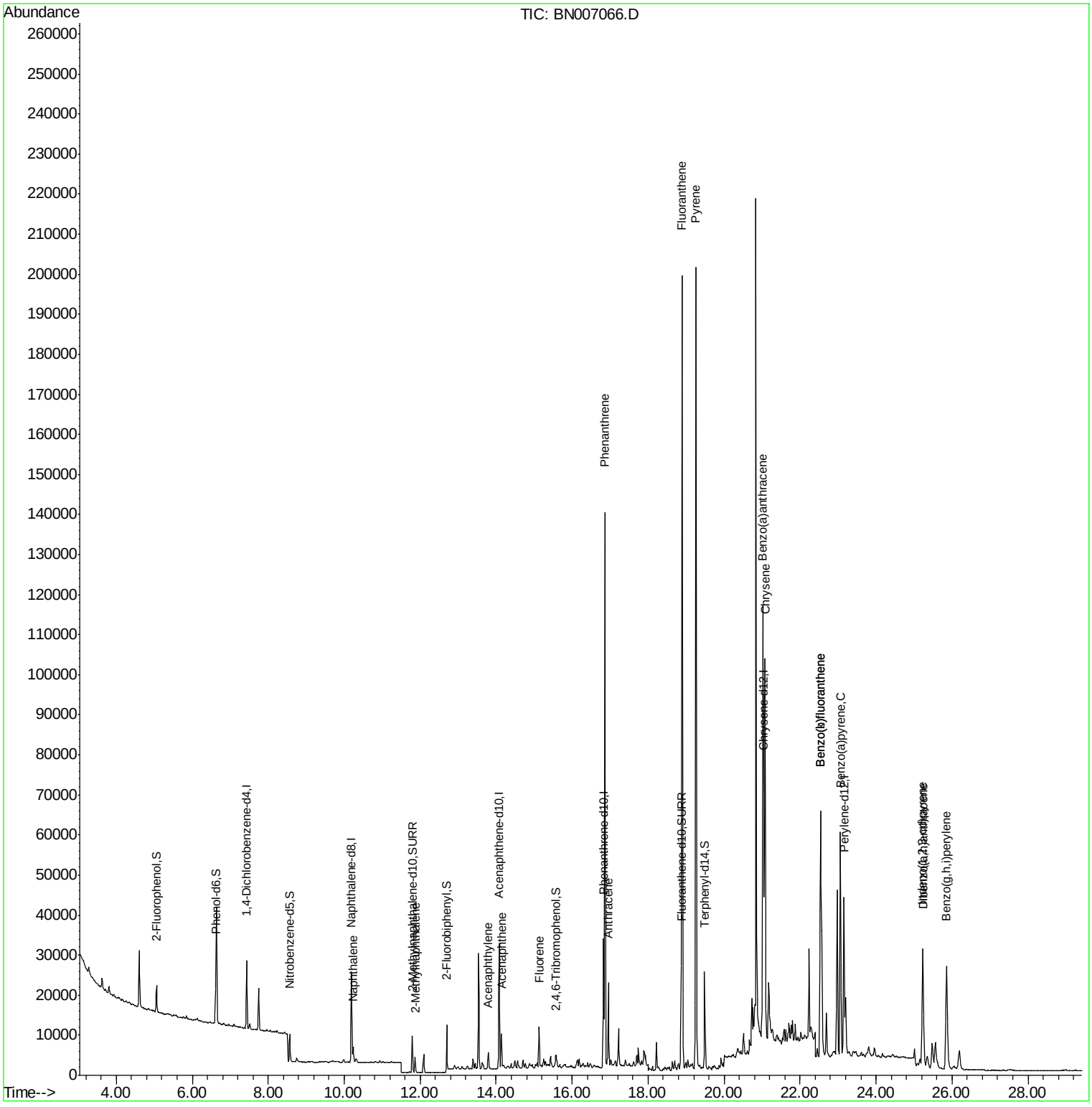
(#) = qualifier out of range (m) = manual integration (+) = signals summed

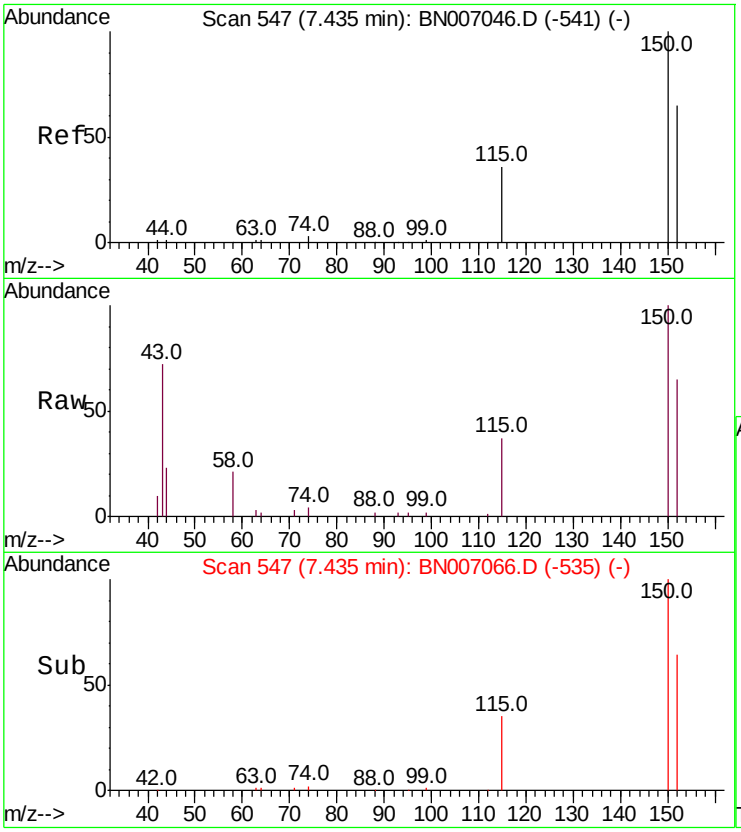
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081019\
Data File : BN007066.D
Acq On : 11 Aug 2019 01:59
Operator : HP/JU
Sample : K4239-05
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Aug 12 04:39:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 10 21:44:50 2019
Response via : Initial Calibration



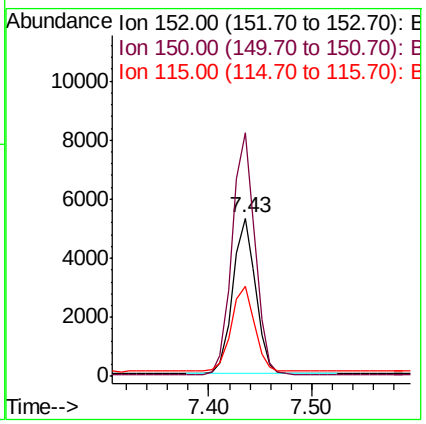


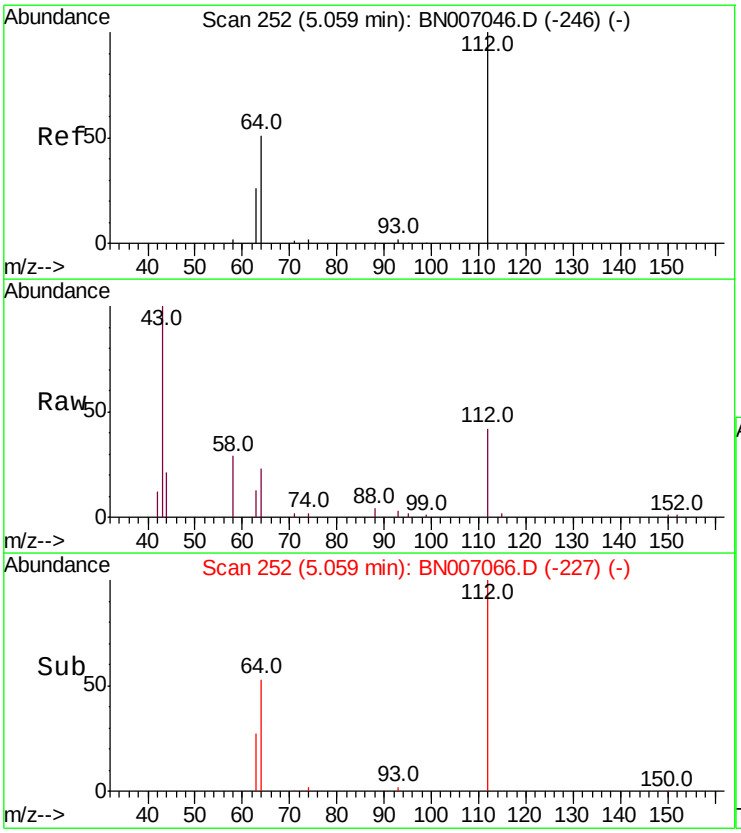

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

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

Tgt Ion:152 Resp: 8082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.0 | 121.7 | 182.5 |
| 115 | 57.1 | 46.2 | 69.4 |

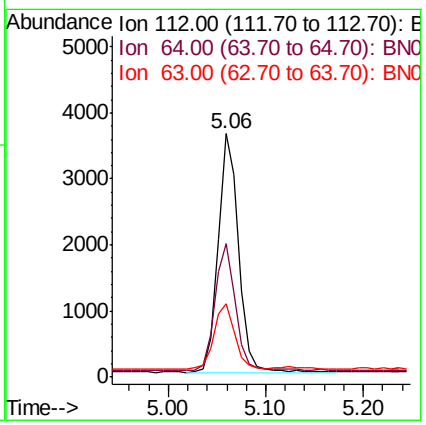


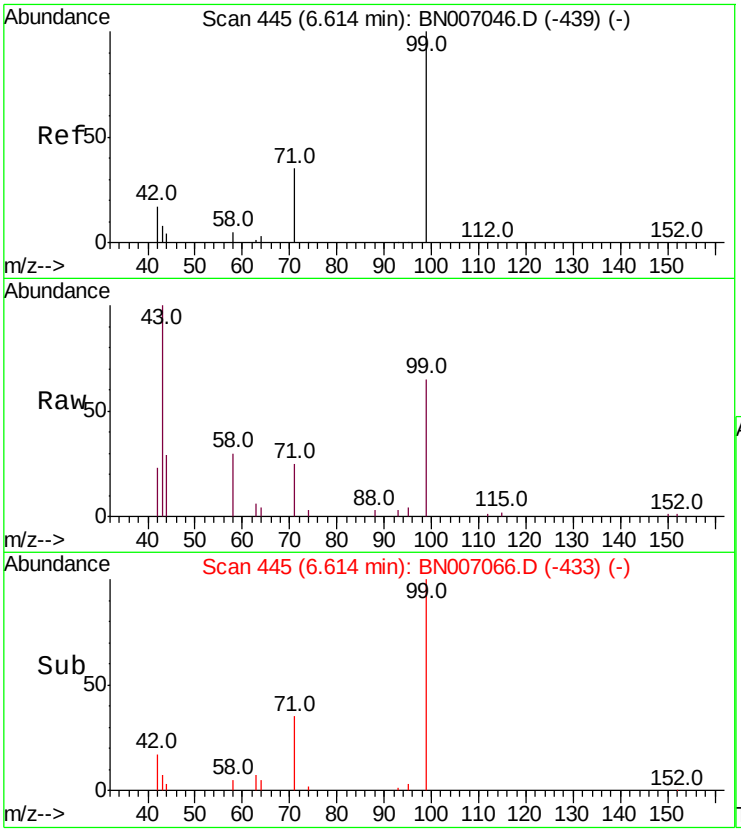




#3
2-Fluorophenol
Concen: 0.275 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion:112 Resp: 5343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.0 | 42.6 | 63.8 |
| 63 | 28.1 | 22.2 | 33.2 |



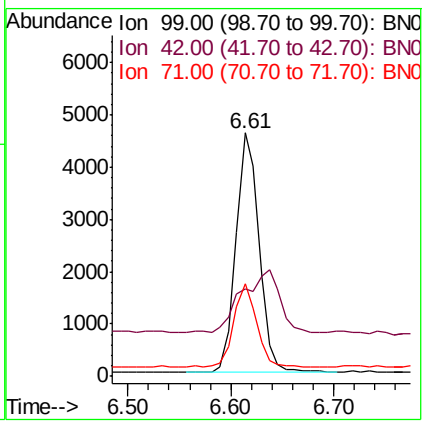


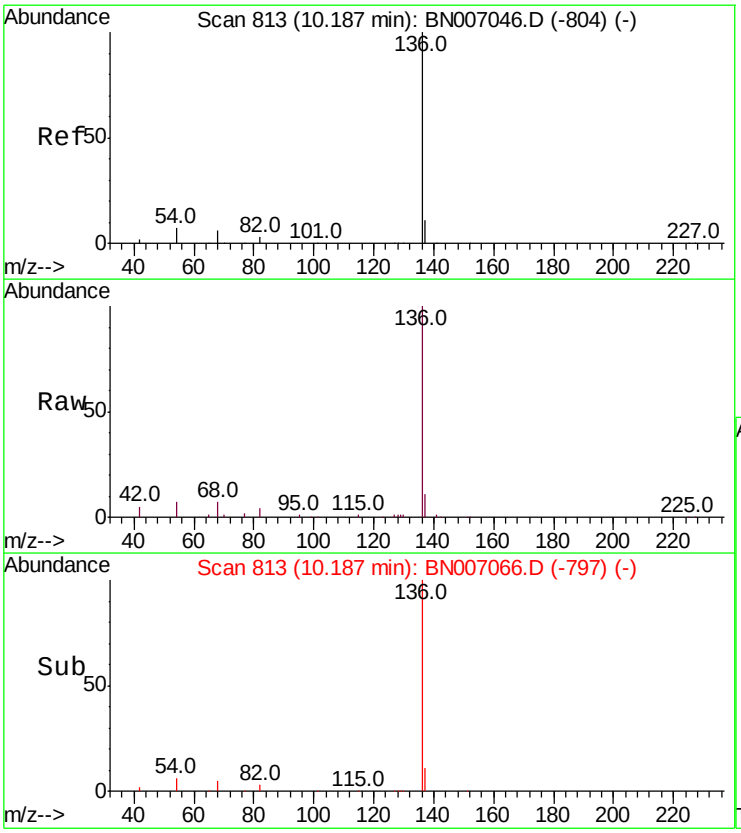

#4
Phenol-d6
Concen: 0.298 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

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

Tgt Ion: 99 Resp: 7157

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 0.0 | 15.8 | 23.6# |
| 71 | 35.3 | 27.0 | 40.4 |

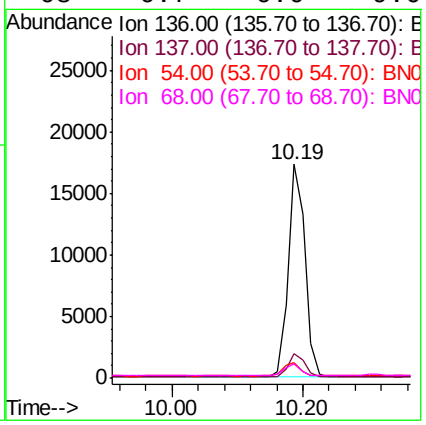


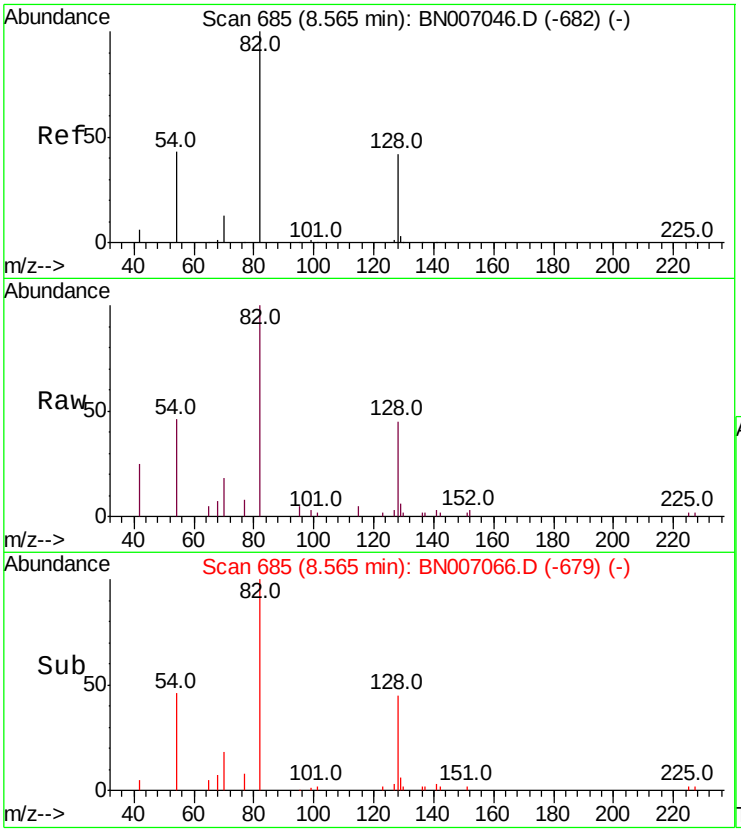




#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion:136 Resp: 30386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 9.4 | 14.0 |
| 54 | 7.4 | 6.6 | 9.8 |
| 68 | 6.7 | 6.0 | 9.0 |



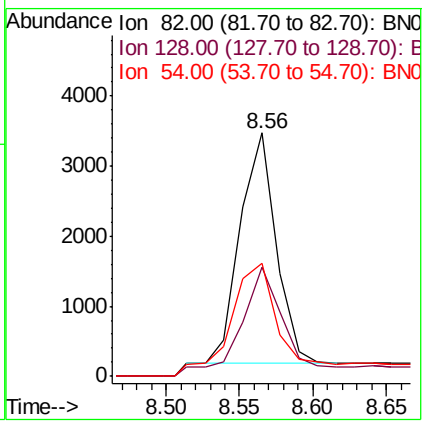


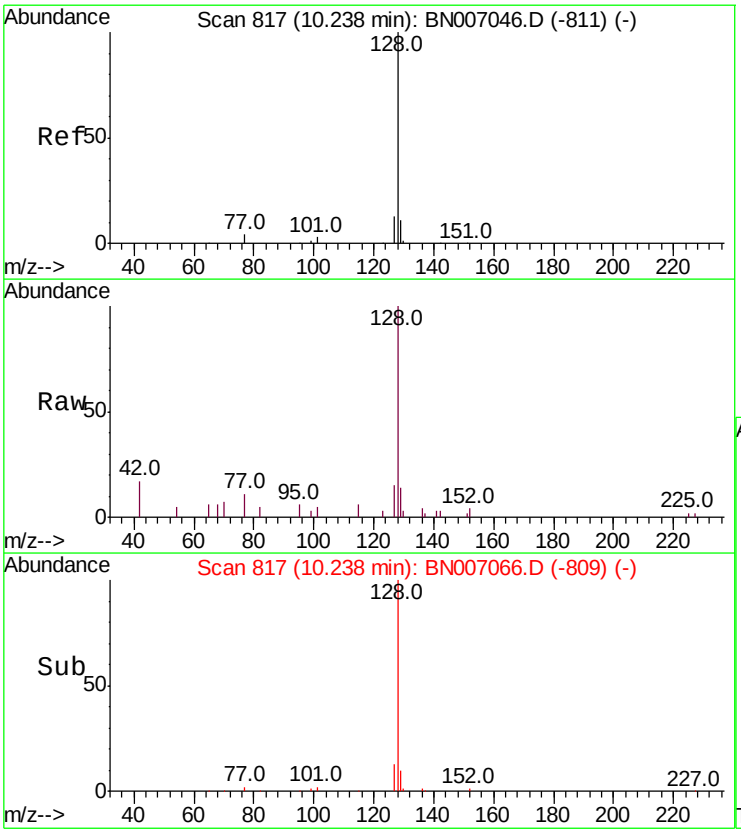

#7
Nitrobenzene-d5
Concen: 0.228 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

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

Tgt Ion: 82 Resp: 5584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.7 | 34.6 | 51.8 |
| 54 | 46.5 | 36.2 | 54.4 |

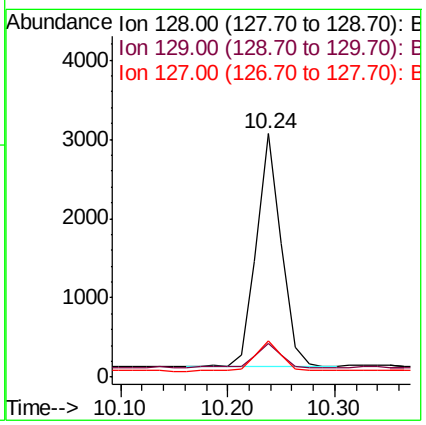


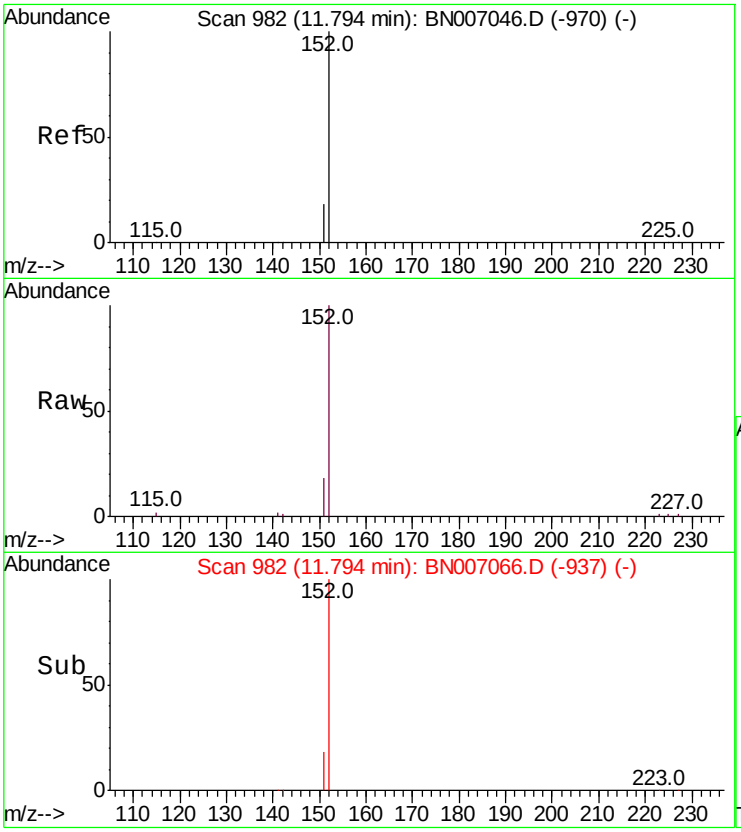




#8
Naphthalene
Concen: 0.056 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion:128 Resp: 4789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 13.9 | 9.4 | 14.2 |
| 127 | 14.9 | 11.0 | 16.6 |



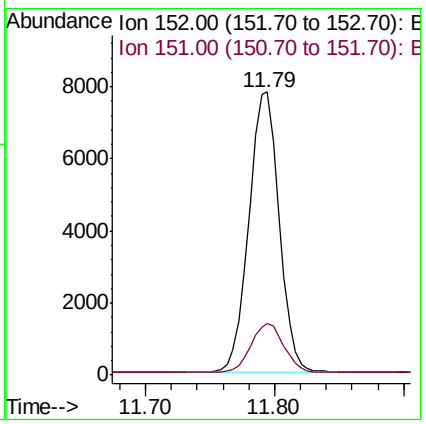


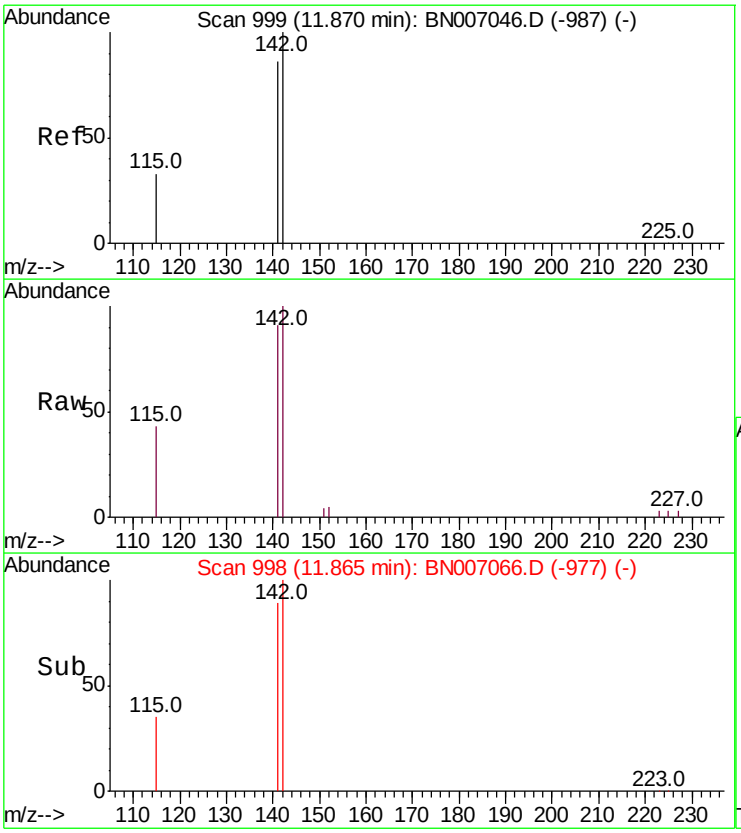

#10
2-Methylnaphthalene-d10
Concen: 0.224 ng
RT: 11.79 min Scan# 982
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

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

Tgt Ion:152 Resp: 12703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.3 | 15.5 | 23.3 |

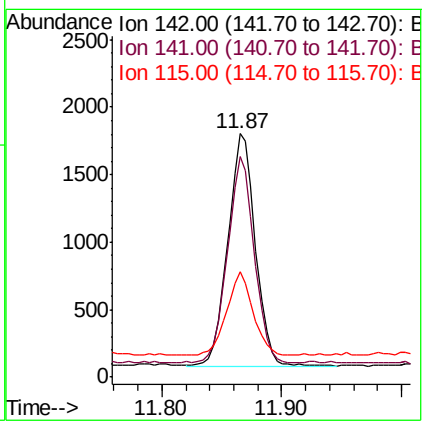


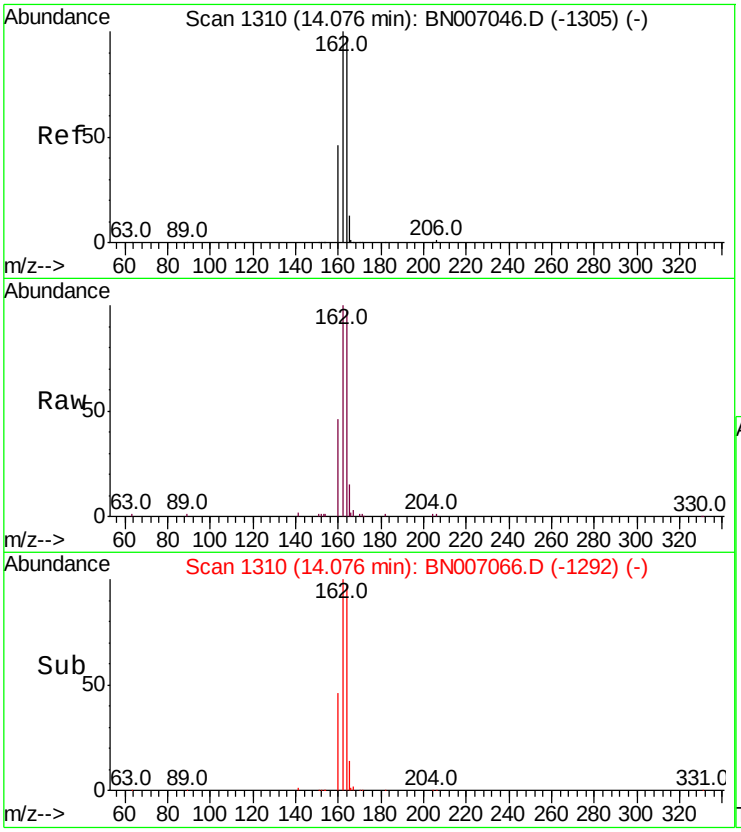




#11
2-Methylnaphthalene
Concen: 0.045 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion:142 Resp: 2744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.9 | 69.0 | 103.6 |
| 115 | 43.3 | 27.1 | 40.7# |



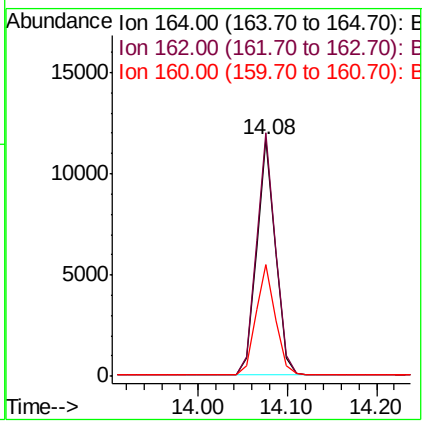


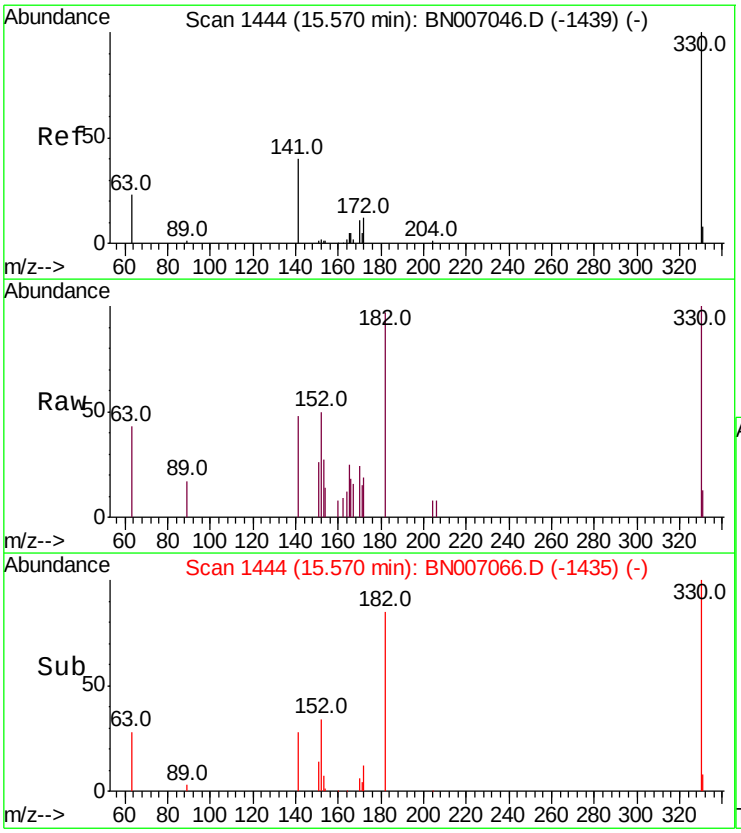

#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

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

Tgt Ion:164 Resp: 17109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.9 | 82.2 | 123.4 |
| 160 | 47.4 | 38.3 | 57.5 |

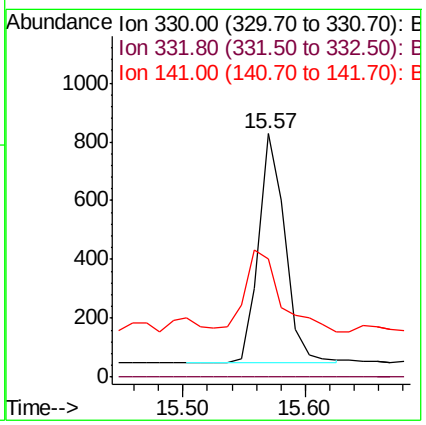


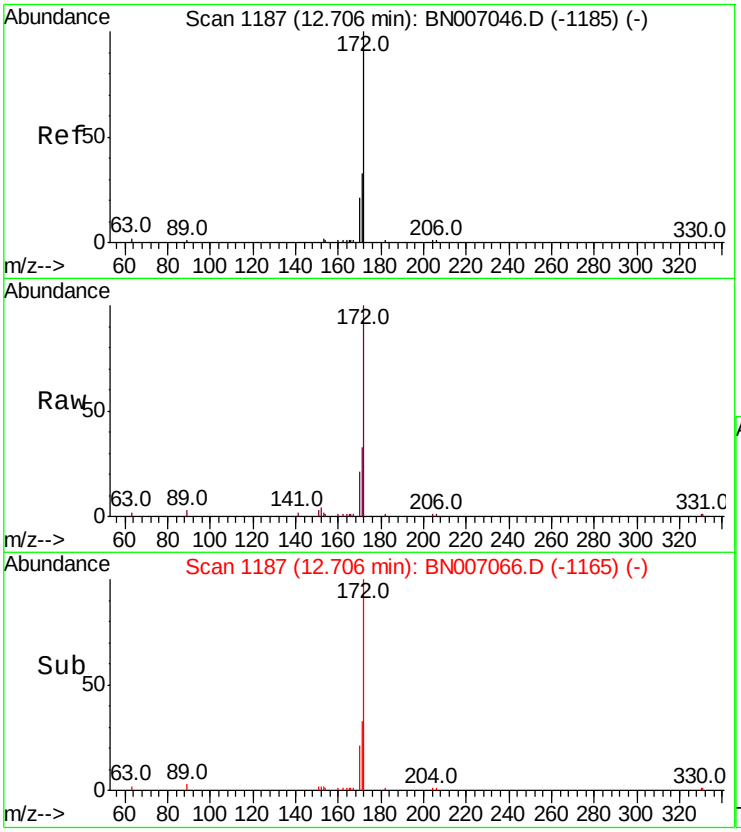




#13
2,4,6-Tribromophenol
Concen: 0.128 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion:330 Resp: 1181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 0.0 | 0.0 | 0.0 |
| 141 | 47.8 | 33.6 | 50.4 |



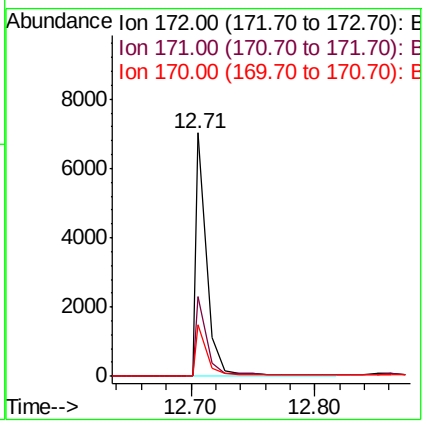


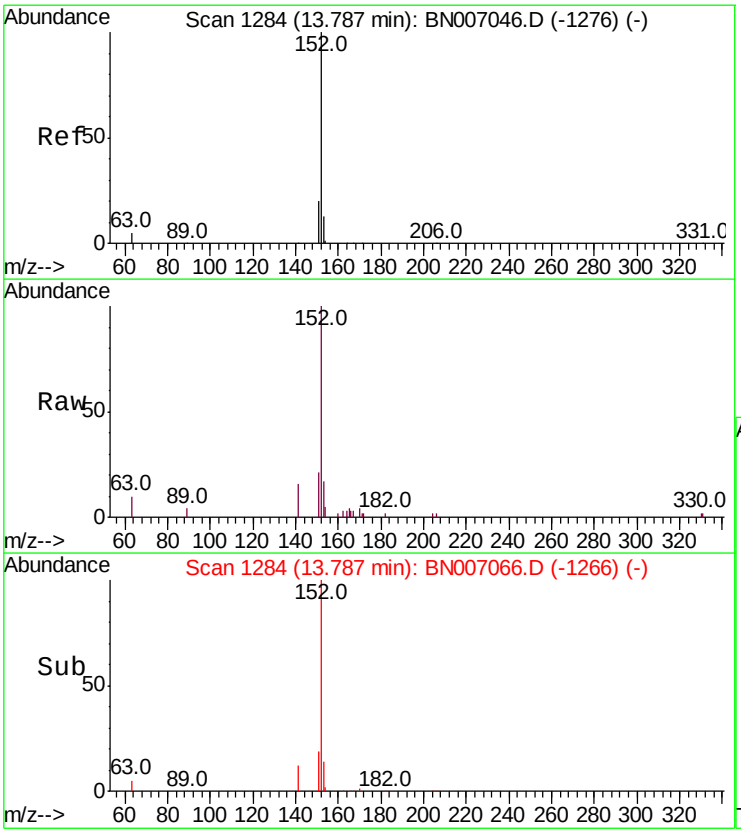

#14
2-Fluorobiphenyl
Concen: 0.213 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

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

Tgt Ion:172 Resp: 5299

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 32.9 | 26.3 | 39.5 |
| 170 | 21.1 | 17.0 | 25.4 |

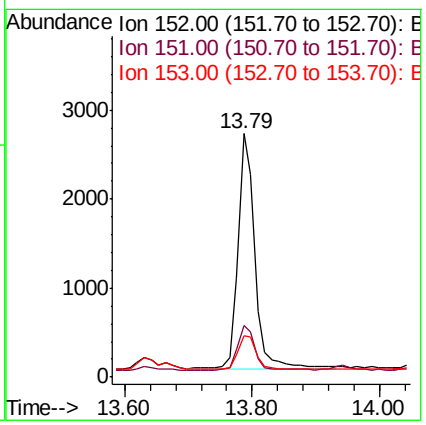


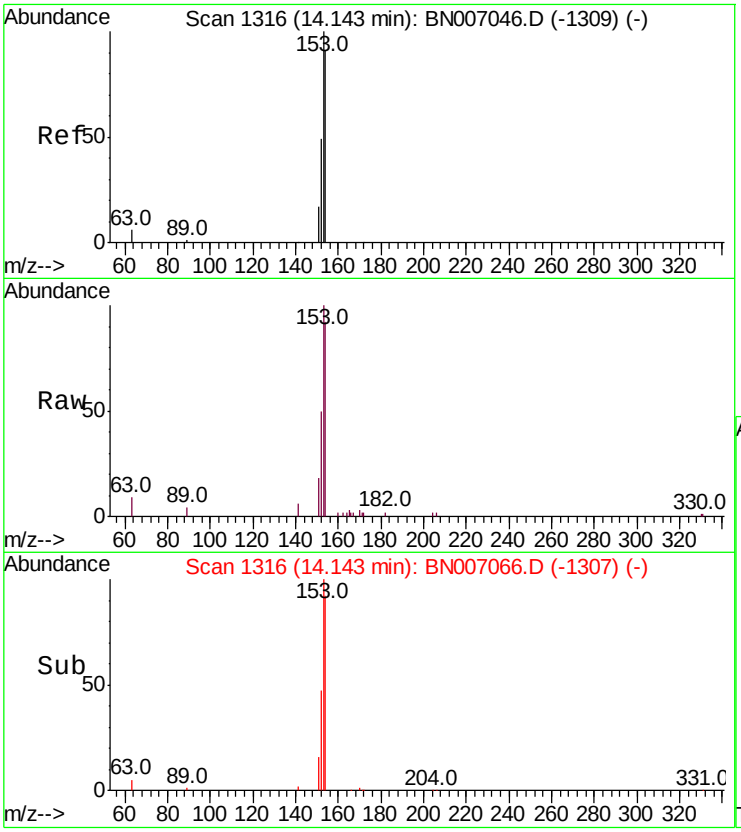




#15
Acenaphthylene
Concen: 0.055 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion:152 Resp: 4951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.7 | 15.8 | 23.6 |
| 153 | 15.6 | 10.4 | 15.6 |



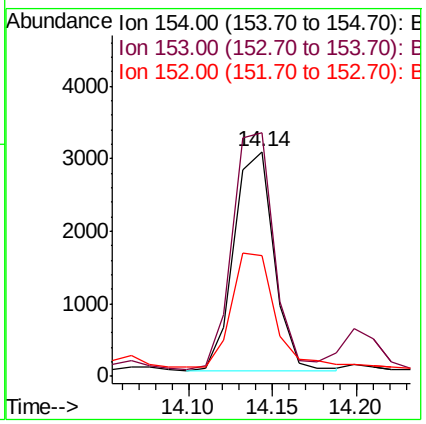


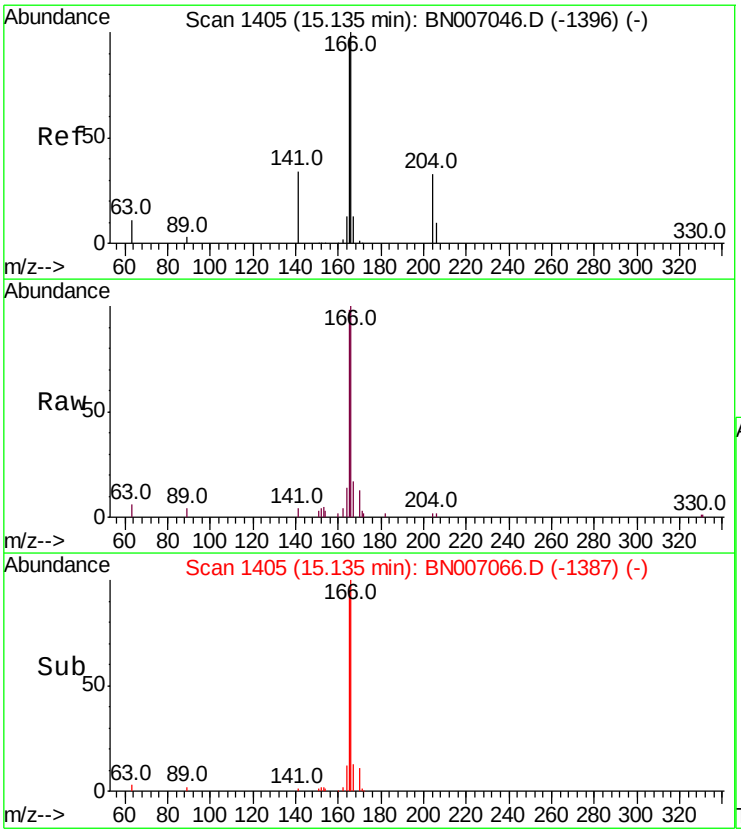

#16
Acenaphthene
Concen: 0.087 ng
RT: 14.14 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

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

Tgt Ion:154 Resp: 5001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.0 | 89.5 | 134.3 |
| 152 | 58.9 | 44.8 | 67.2 |

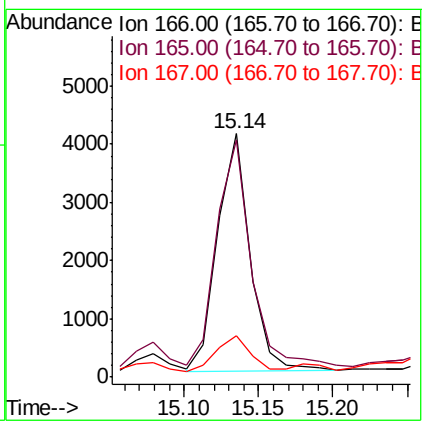


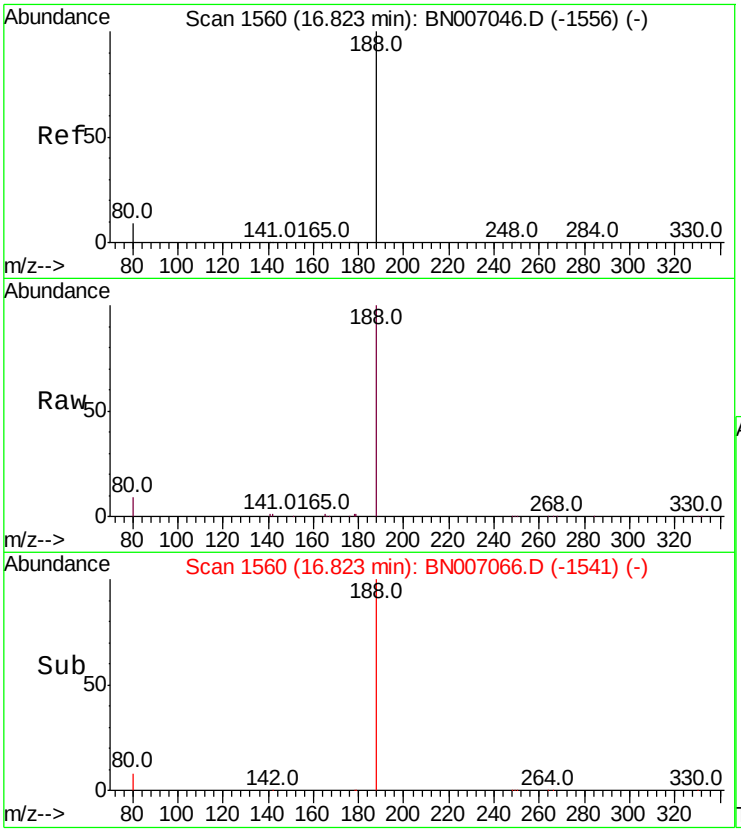




#17
Fluorene
Concen: 0.072 ng
RT: 15.14 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion:166 Resp: 6162

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.9 | 77.9 | 116.9 |
| 167 | 16.0 | 10.9 | 16.3 |



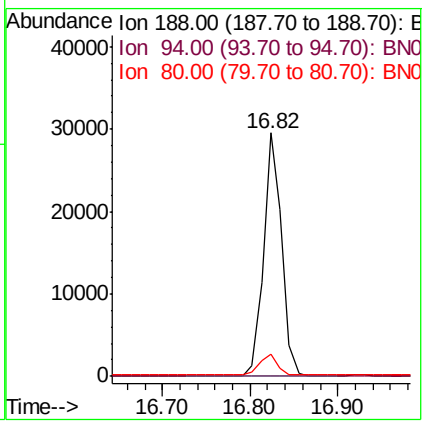


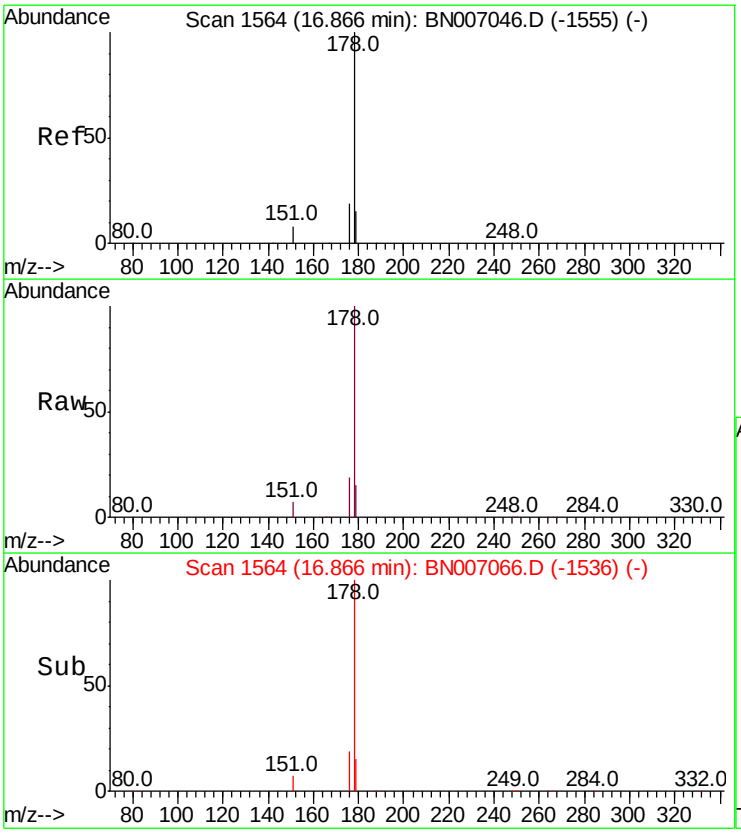

#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

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

Tgt Ion:188 Resp: 42288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 8.9 | 7.8 | 11.6 |

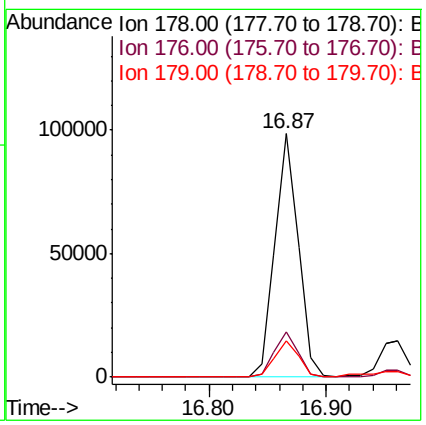


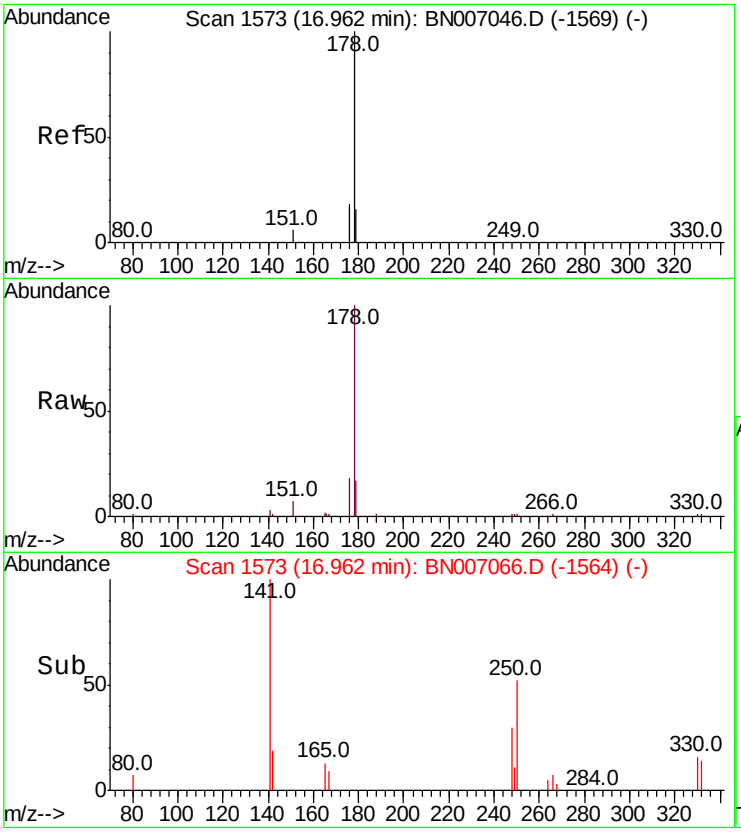




#22
Phenanthrene
Concen: 1.079 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion:178 Resp: 136706

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.2 | 22.8 |
| 179 | 15.3 | 12.3 | 18.5 |



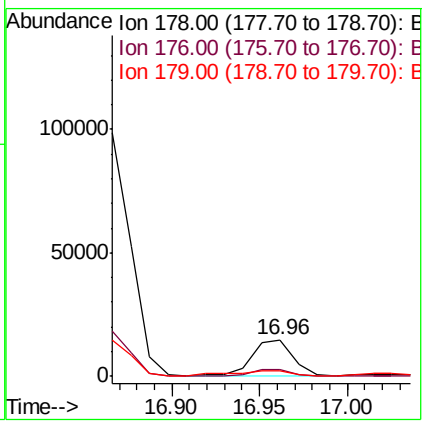


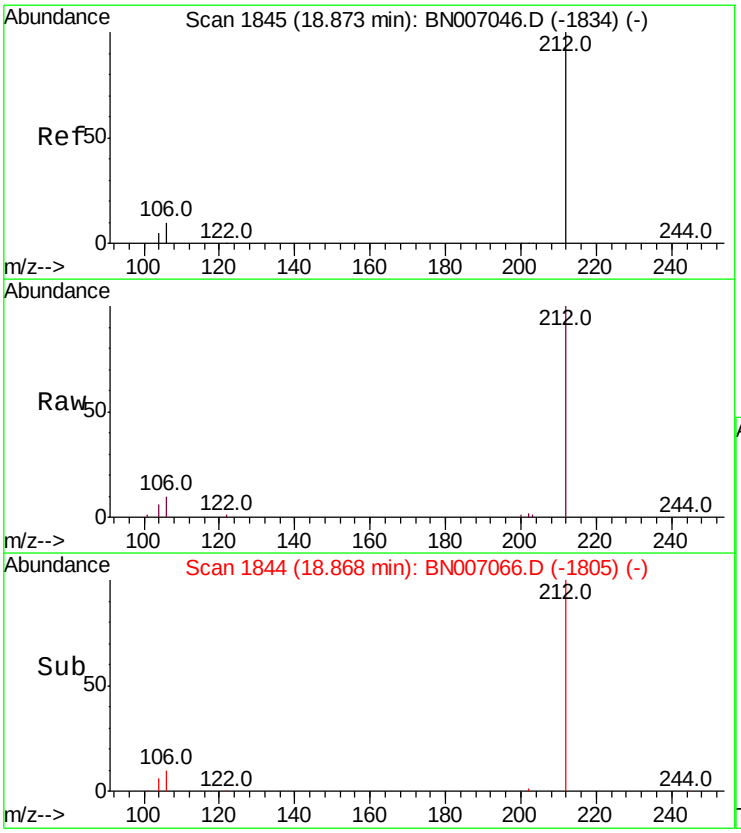

#23
Anthracene
Concen: 0.200 ng
RT: 16.96 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

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

Tgt Ion:178 Resp: 23195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.0 | 14.6 | 21.8 |
| 179 | 21.4 | 12.5 | 18.7# |

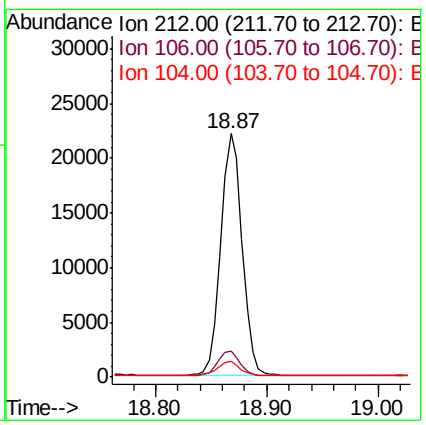


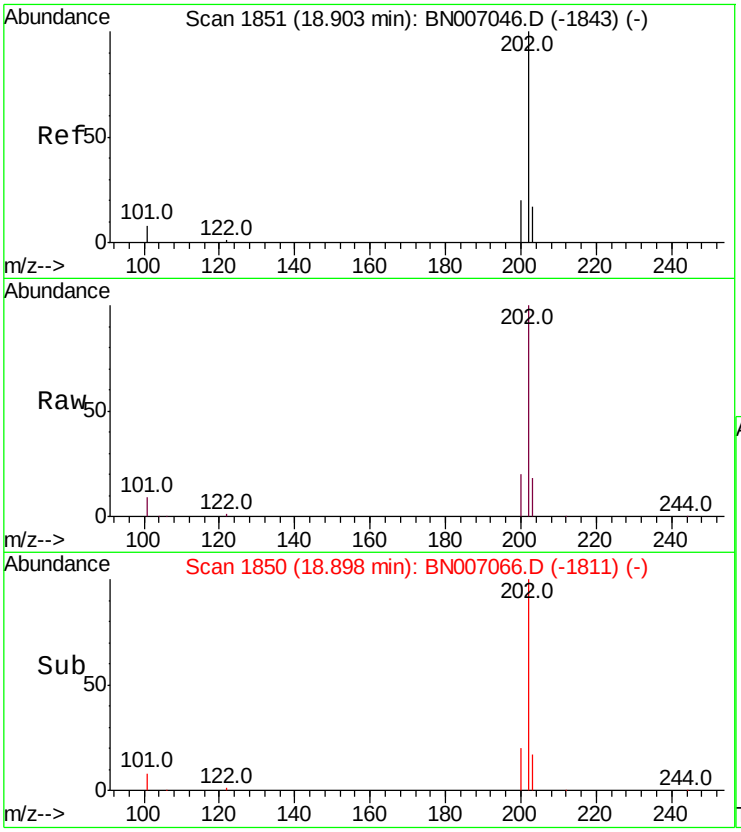




#24
Fluoranthene-d10
Concen: 0.197 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion:212 Resp: 29532

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 10.2 | 8.2 | 12.2 |
| 104 | 5.8 | 4.5 | 6.7 |



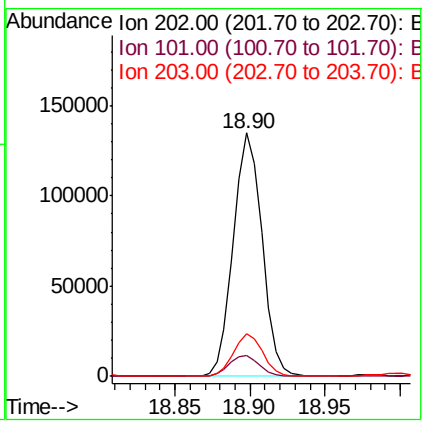


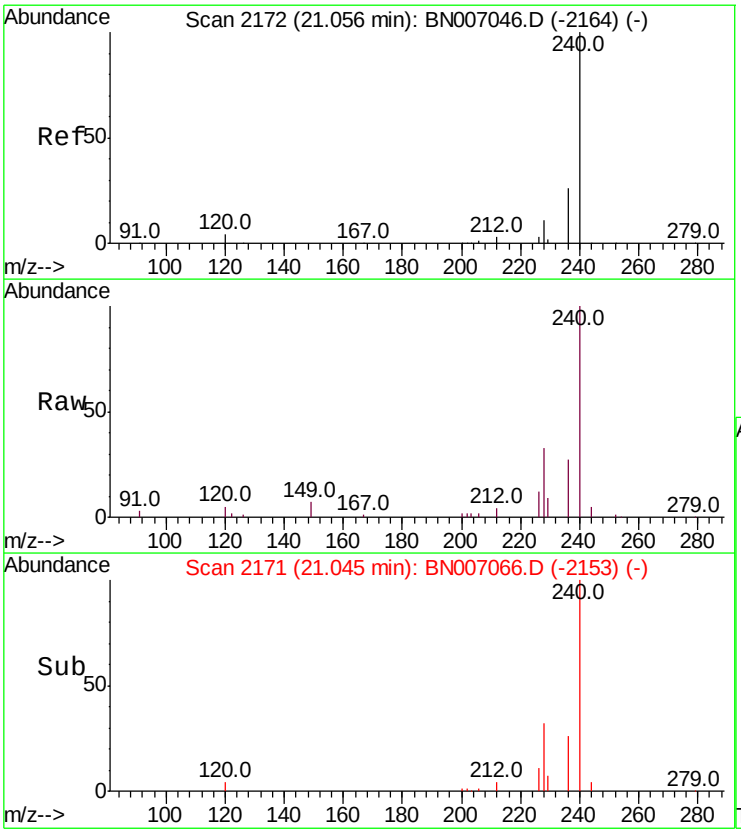

#25
Fluoranthene
Concen: 1.099 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

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

Tgt Ion:202 Resp: 178106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.7 | 7.0 | 10.4 |
| 203 | 17.5 | 13.8 | 20.8 |

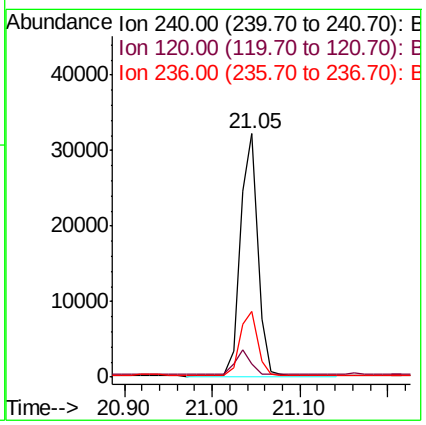


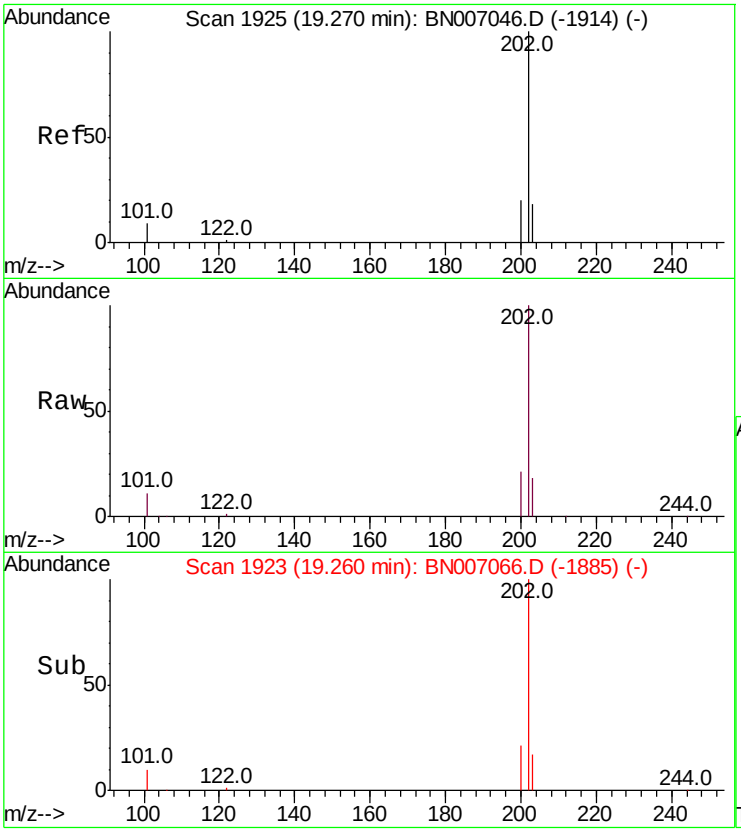




#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion:240 Resp: 44073

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.3 | 4.0 | 6.0 |
| 236 | 27.0 | 21.3 | 31.9 |



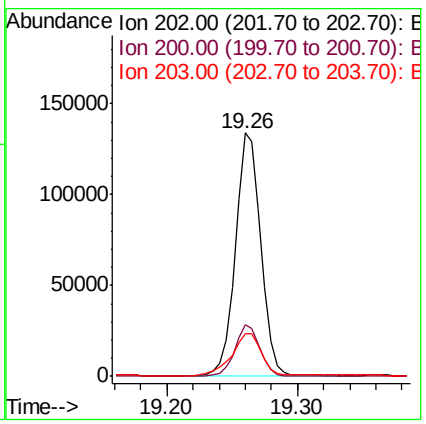


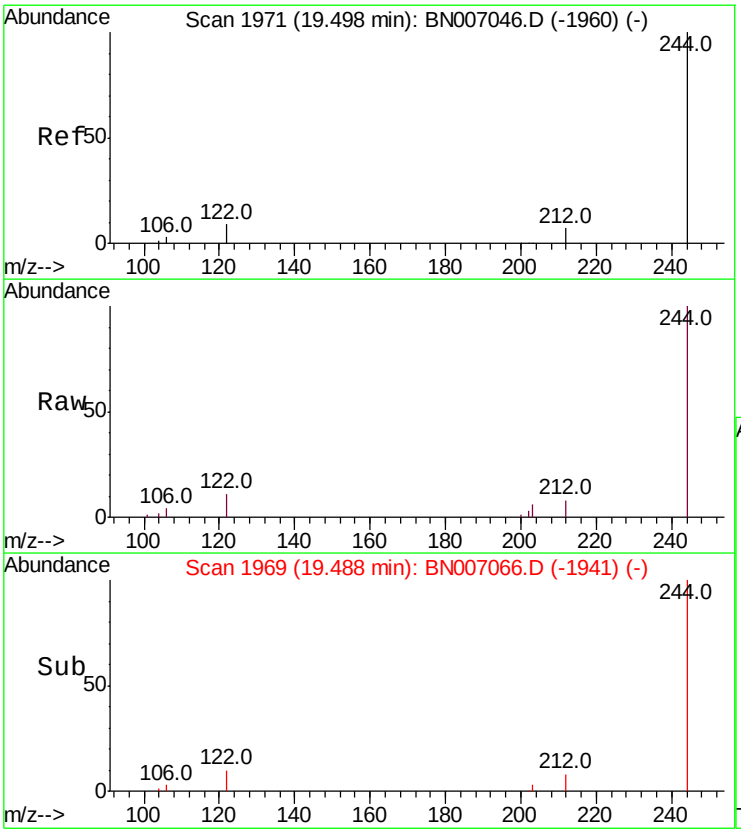

#27
Pyrene
Concen: 1.176 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

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

Tgt Ion:202 Resp: 181771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.9 | 16.6 | 24.8 |
| 203 | 20.8 | 14.0 | 21.0 |

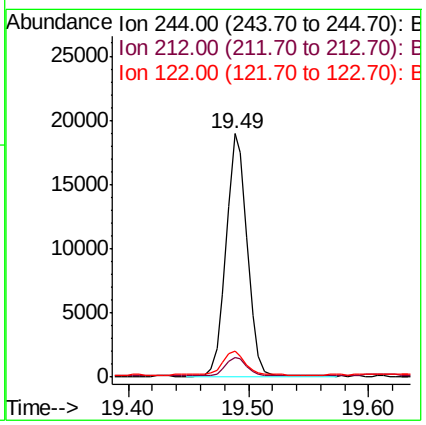


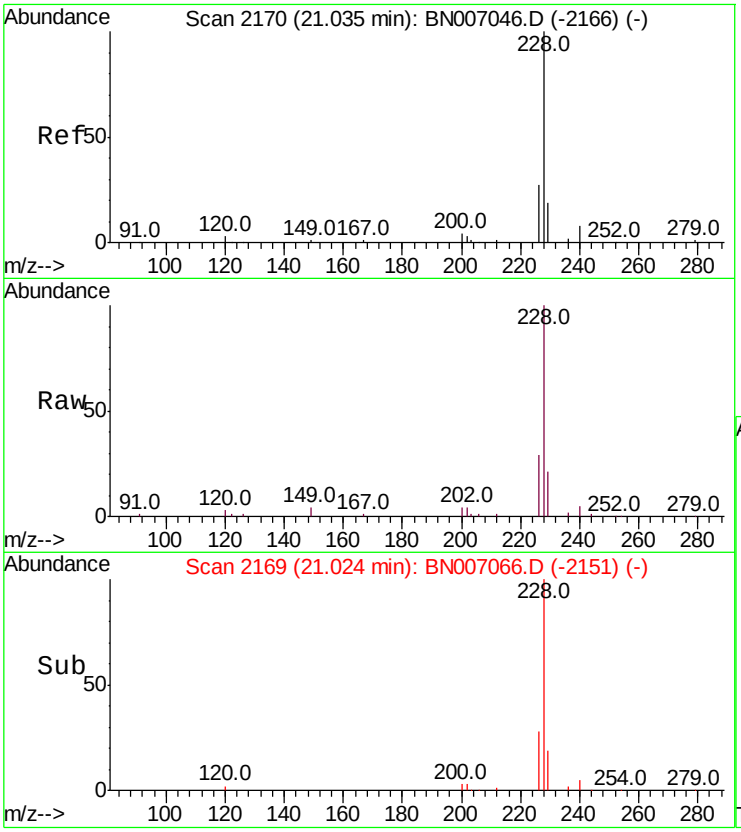




#28
Terphenyl-d14
Concen: 0.190 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion:244 Resp: 22798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.2 | 6.2 | 9.2 |
| 122 | 10.8 | 7.4 | 11.2 |



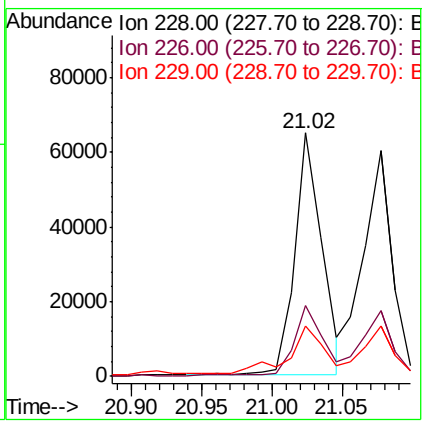


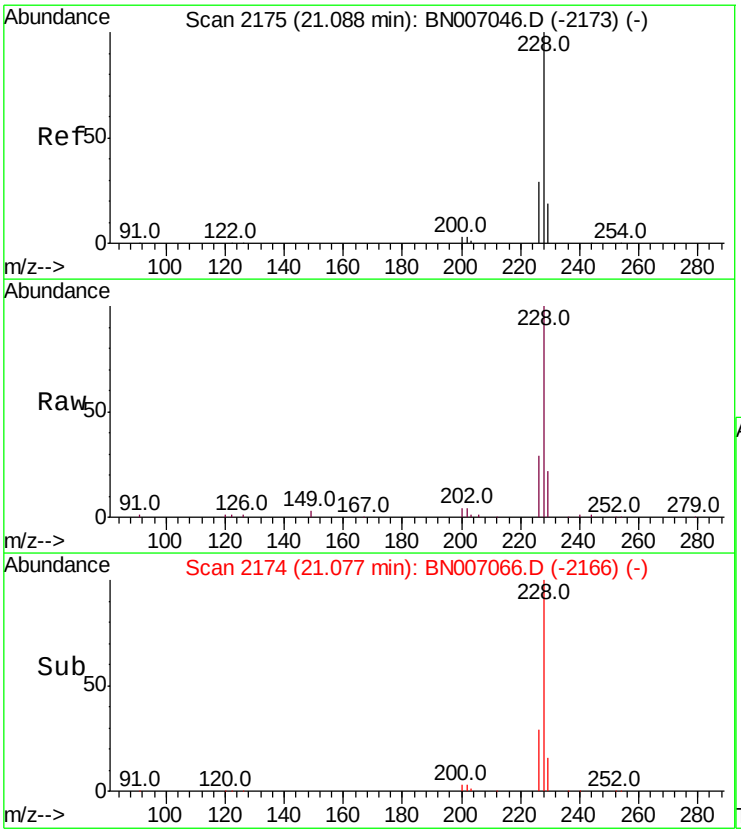

#29
Benzo(a)anthracene
Concen: 0.543 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

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

Tgt Ion:228 Resp: 87563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.9 | 21.8 | 32.6 |
| 229 | 20.7 | 15.6 | 23.4 |

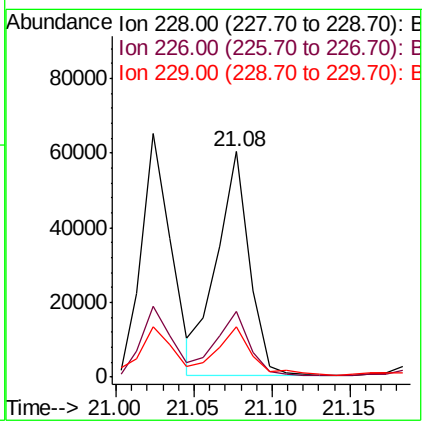


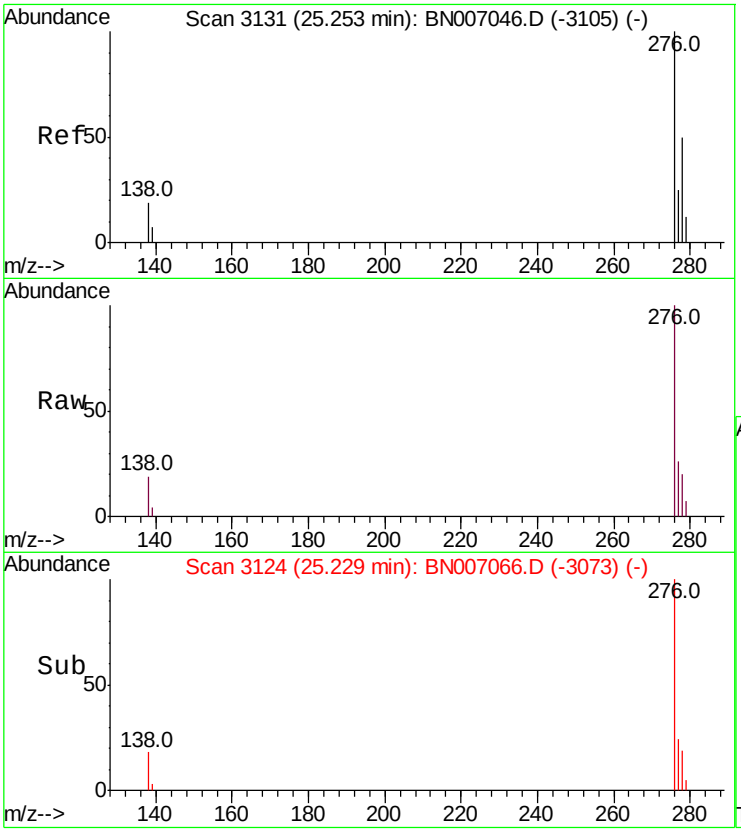




#30
Chrysene
Concen: 0.553 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion:228 Resp: 86649

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 23.8 | 35.6 |
| 229 | 22.5 | 15.7 | 23.5 |



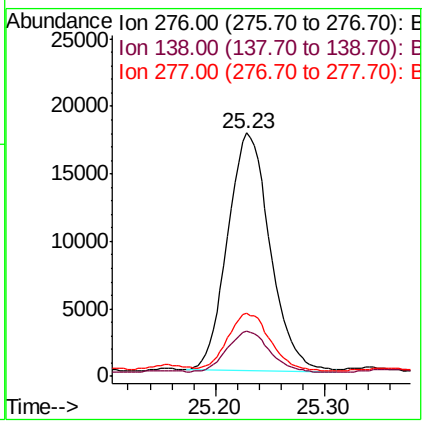


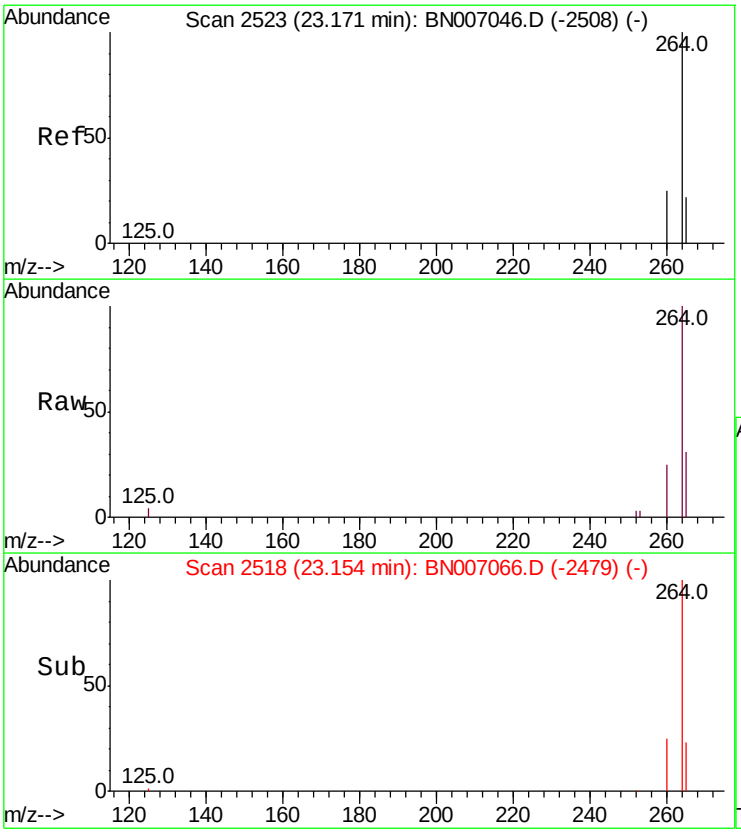

#31
Indeno(1,2,3-cd)pyrene
Concen: 0.276 ng
RT: 25.23 min Scan# 3124
Delta R.T. -0.02 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

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

Tgt Ion:276 Resp: 47668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.6 | 16.0 | 24.0 |
| 277 | 24.3 | 19.9 | 29.9 |

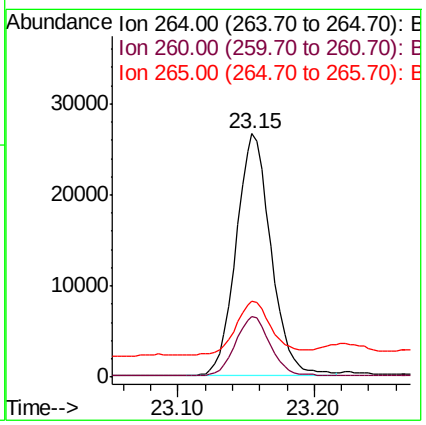


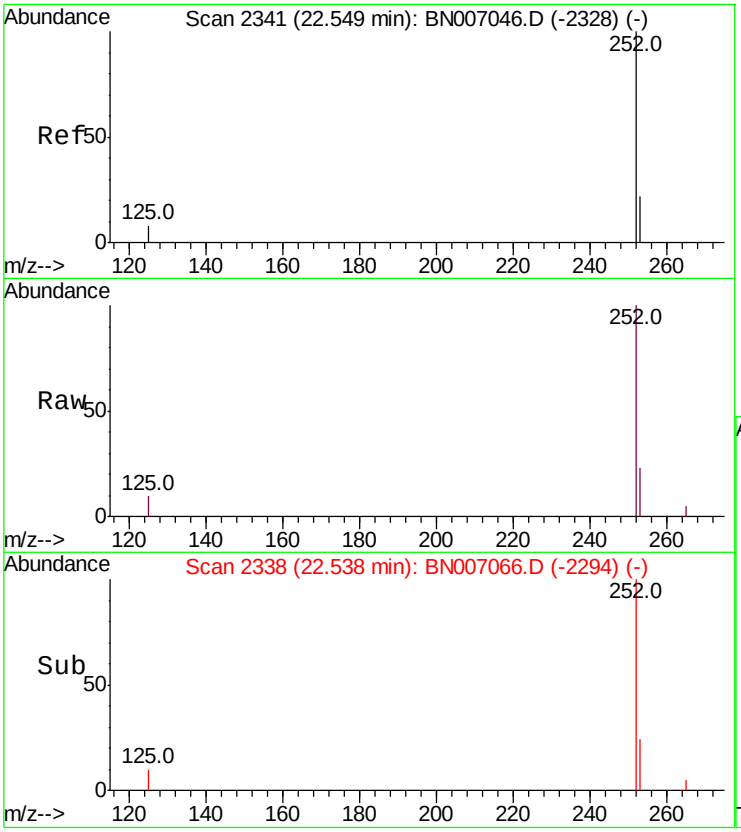




#32
Perylene-d12
Concen: 0.400 ng
RT: 23.15 min Scan# 2518
Delta R.T. -0.02 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion:264 Resp: 47000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.9 | 19.8 | 29.8 |
| 265 | 31.3 | 26.2 | 39.4 |



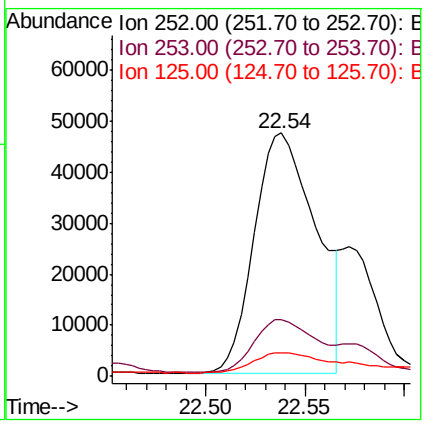


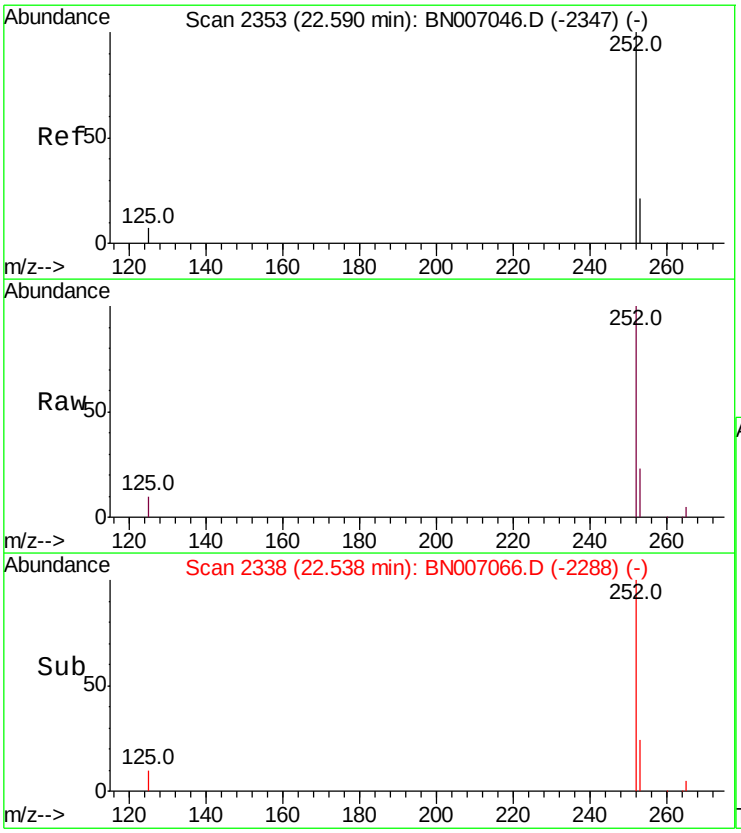

#33
Benzo(b)fluoranthene
Concen: 0.638 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

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

Tgt Ion:252 Resp: 102766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 18.2 | 27.2 |
| 125 | 9.6 | 7.4 | 11.0 |

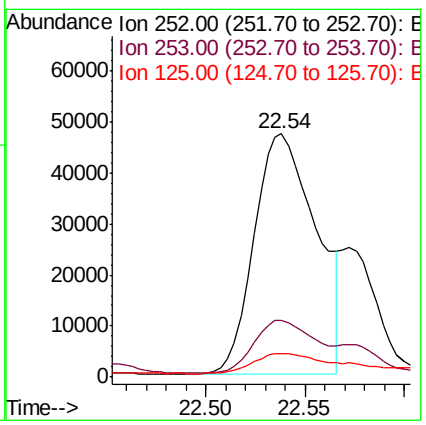


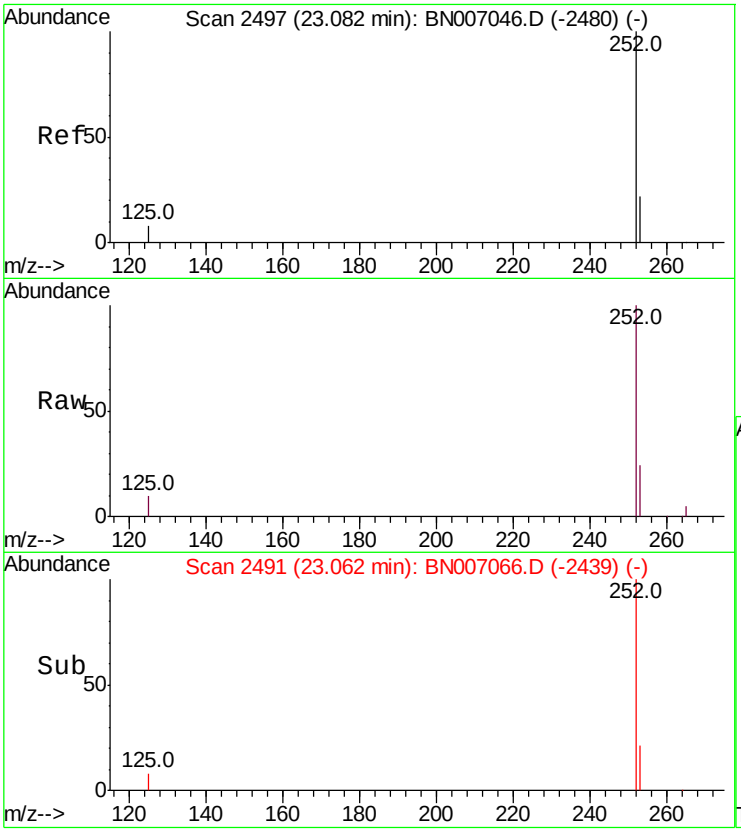




#34
Benzo(k)fluoranthene
Concen: 0.646 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.05 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion:252 Resp: 102766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 18.1 | 27.1 |
| 125 | 9.6 | 7.4 | 11.0 |



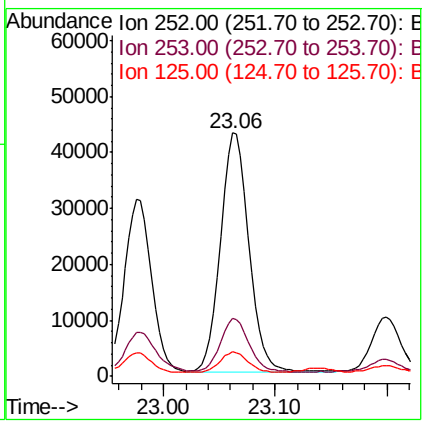


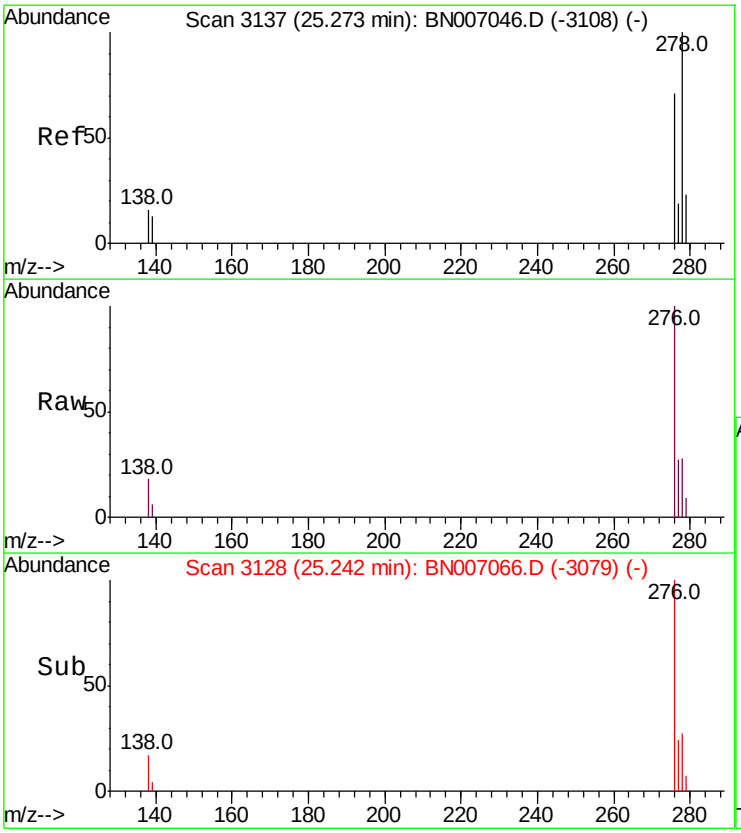

#35
Benzo(a)pyrene
Concen: 0.520 ng
RT: 23.06 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

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

Tgt Ion:252 Resp: 75984

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.6 | 18.5 | 27.7 |
| 125 | 10.0 | 8.2 | 12.4 |

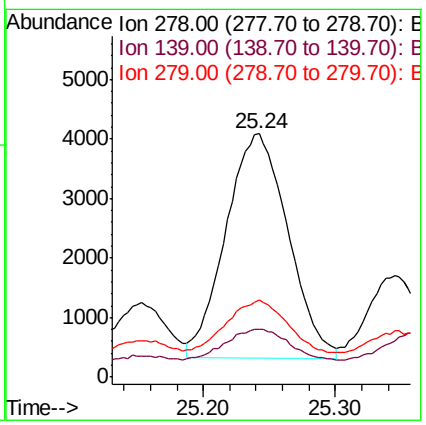


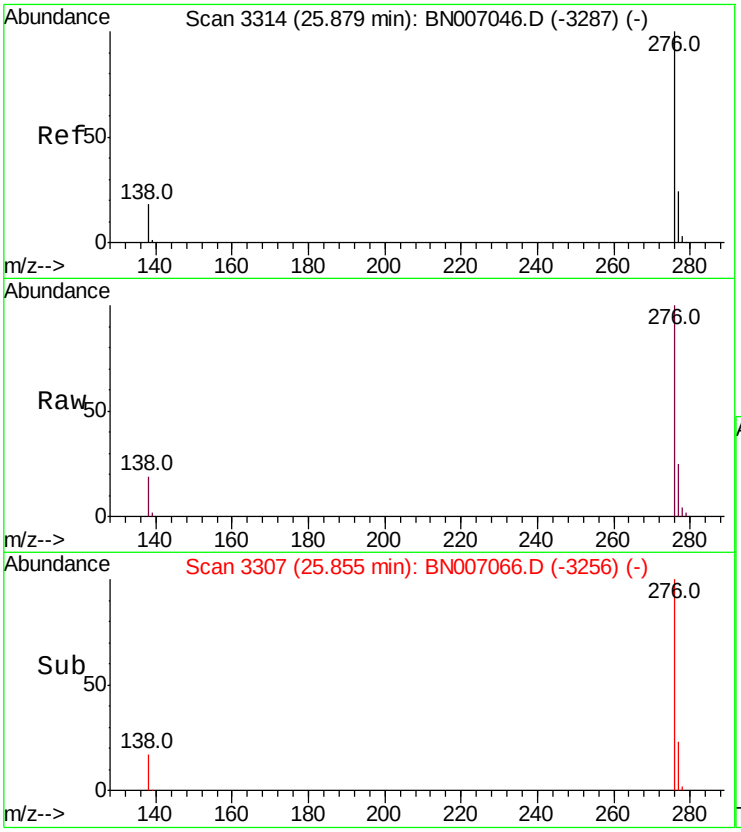




#36
Dibenzo(a,h)anthracene
Concen: 0.085 ng
RT: 25.24 min Scan# 3128
Delta R.T. -0.03 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion:278 Resp: 12341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 19.5 | 11.3 | 16.9# |
| 279 | 31.5 | 19.3 | 28.9# |






#37
Benzo(g,h,i)perylene
Concen: 0.355 ng
RT: 25.85 min Scan# 3307
Delta R.T. -0.02 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

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

Tgt Ion:276 Resp: 53193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.3 | 19.8 | 29.8 |
| 138 | 18.5 | 14.6 | 22.0 |