Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081319\
Data File : BN007150.D
Acq On : 14 Aug 2019 03:20
Operator : HP/JU
Sample : K4173-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Aug 14 05:00:36 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 | 9547 | 0.40 | ng | | 0.00 |
| 6) Naphthalene-d8 | 10.19 | 136 | 36733 | 0.40 | ng | | 0.00 |
| 12) Acenaphthene-d10 | 14.08 | 164 | 20797 | 0.40 | ng | | 0.00 |
| 18) Phenanthrene-d10 | 16.82 | 188 | 48720 | 0.40 | ng | | 0.00 |
| 26) Chrysene-d12 | 21.05 | 240 | 46711 | 0.40 | ng | | -0.01 |
| 32) Perylene-d12 | 23.16 | 264 | 51674 | 0.40 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Fluorophenol | 5.06 | 112 | 4885 | 0.21 | ng | | 0.00 |
| 4) Phenol-d6 | 6.61 | 99 | 6635 | 0.23 | ng | | 0.00 |
| 7) Nitrobenzene-d5 | 8.56 | 82 | 5387 | 0.18 | ng | | 0.00 |
| 10) 2-Methylnaphthalene-d10 | 11.79 | 152 | 12473 | 0.18 | ng | | 0.00 |
| 13) 2,4,6-Tribromophenol | 15.57 | 330 | 1881 | 0.17 | ng | | 0.00 |
| 14) 2-Fluorobiphenyl | 12.71 | 172 | 2794 | 0.09 | ng | | 0.00 |
| 24) Fluoranthene-d10 | 18.87 | 212 | 29144 | 0.17 | ng | | 0.00 |
| 28) Terphenyl-d14 | 19.49 | 244 | 23456 | 0.18 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 8) Naphthalene | 10.24 | 128 | 5213 | 0.051 | ng | # | 93 |
| 11) 2-Methylnaphthalene | 11.86 | 142 | 5457 | 0.075 | ng | # | 94 |
| 15) Acenaphthylene | 13.79 | 152 | 28979 | 0.267 | ng | | 99 |
| 16) Acenaphthene | 14.13 | 154 | 1541 | 0.022 | ng | # | 77 |
| 17) Fluorene | 15.14 | 166 | 5604 | 0.054 | ng | # | 81 |
| 21) Pentachlorophenol | 16.48 | 266 | 268 | 0.025 | ng | # | 84 |
| 22) Phenanthrene | 16.87 | 178 | 69389 | 0.475 | ng | | 99 |
| 23) Anthracene | 16.95 | 178 | 18874 | 0.141 | ng | # | 95 |
| 25) Fluoranthene | 18.90 | 202 | 116821 | 0.625 | ng | | 99 |
| 27) Pyrene | 19.26 | 202 | 129224 | 0.789 | ng | | 98 |
| 29) Benzo(a)anthracene | 21.02 | 228 | 63907 | 0.374 | ng | # | 82 |
| 30) Chrysene | 21.08 | 228 | 86235 | 0.520 | ng | # | 92 |
| 31) Indeno(1,2,3-cd)pyrene | 25.23 | 276 | 46047 | 0.252 | ng | | 98 |
| 33) Benzo(b)fluoranthene | 22.53 | 252 | 90793 | 0.512 | ng | # | 81 |
| 34) Benzo(k)fluoranthene | 22.53 | 252 | 90793 | 0.519 | ng | # | 81 |
| 35) Benzo(a)pyrene | 23.07 | 252 | 60008 | 0.374 | ng | # | 82 |
| 36) Dibenzo(a,h)anthracene | 25.24 | 278 | 14440 | 0.090 | ng | # | 21 |
| 37) Benzo(g,h,i)perylene | 25.86 | 276 | 63702 | 0.386 | ng | # | 92 |

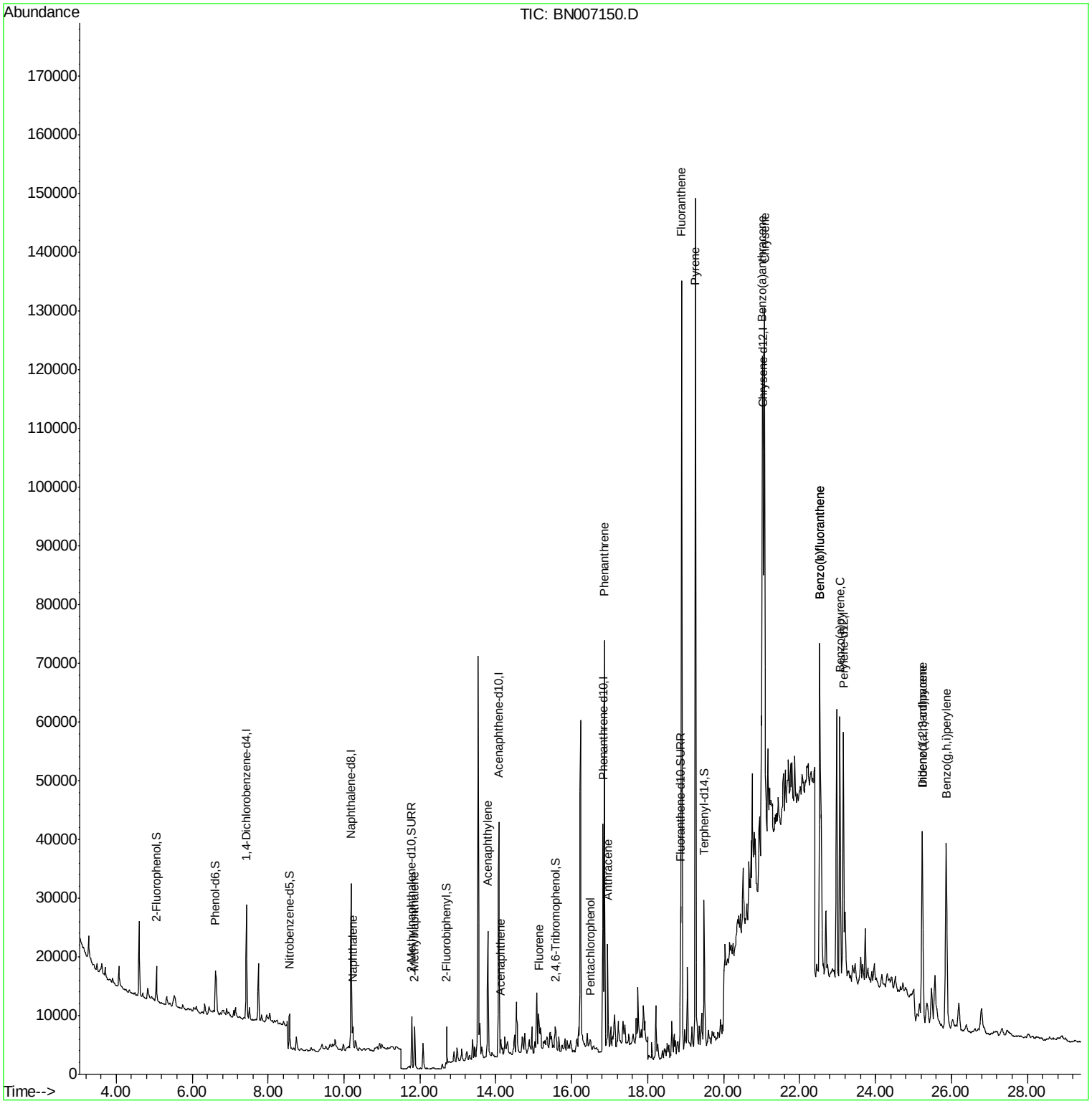
(#) = qualifier out of range (m) = manual integration (+) = signals summed

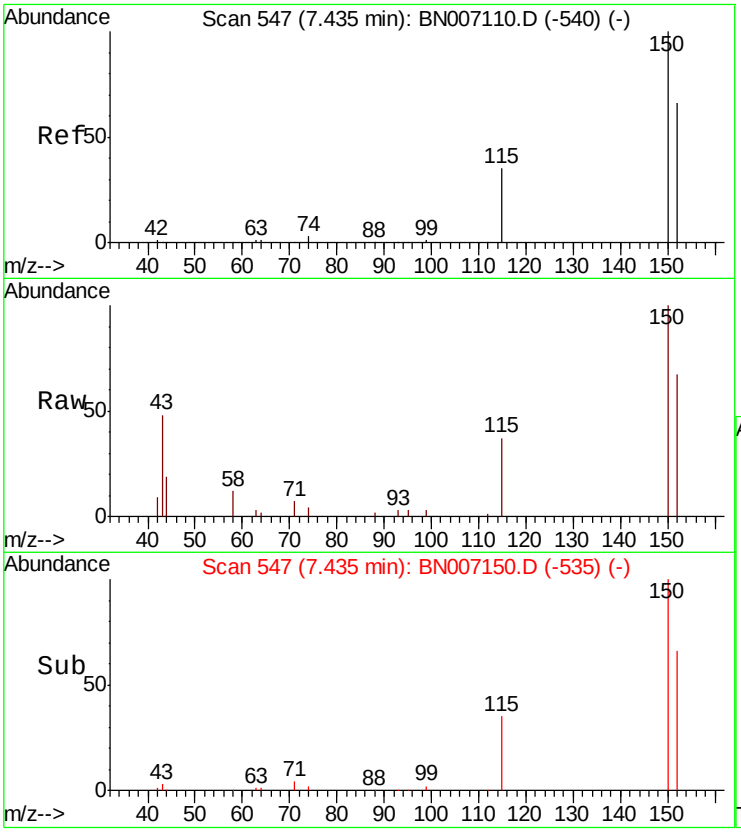
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081319\
Data File : BN007150.D
Acq On : 14 Aug 2019 03:20
Operator : HP/JU
Sample : K4173-15
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Aug 14 05:00:36 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



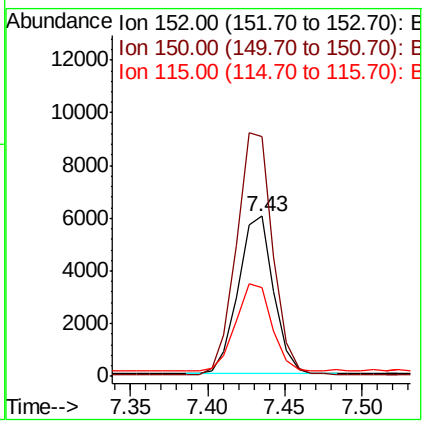


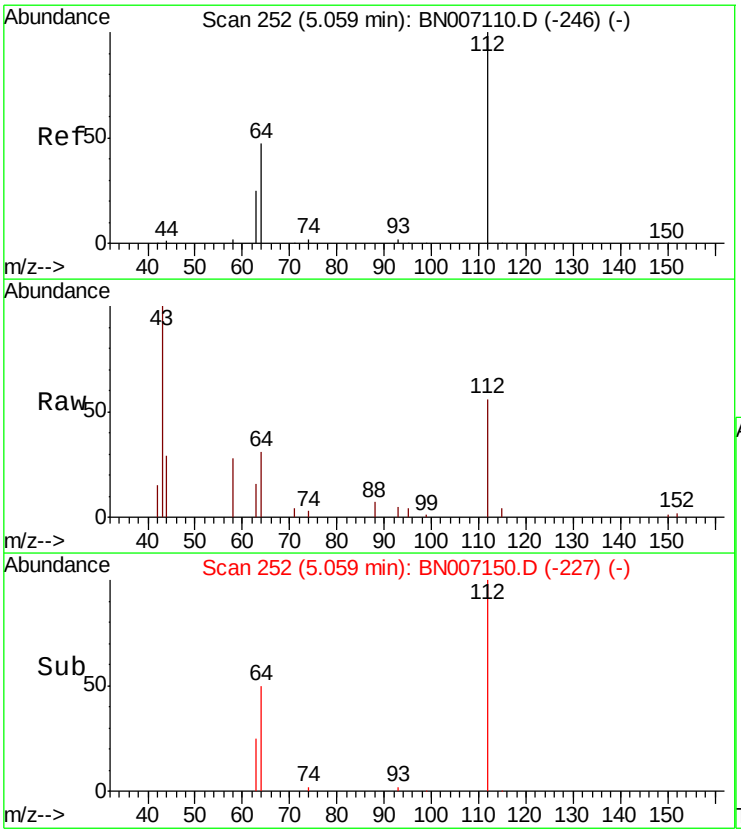

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

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

Tgt Ion:152 Resp: 9547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 149.8 | 121.7 | 182.5 |
| 115 | 55.8 | 46.2 | 69.4 |

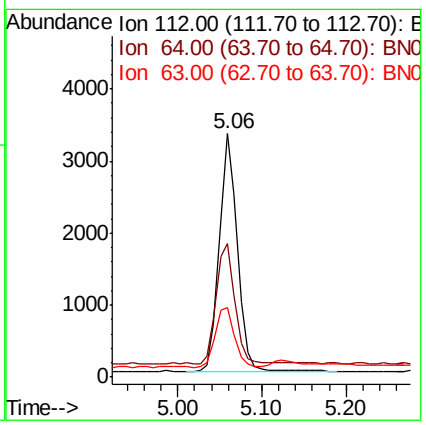


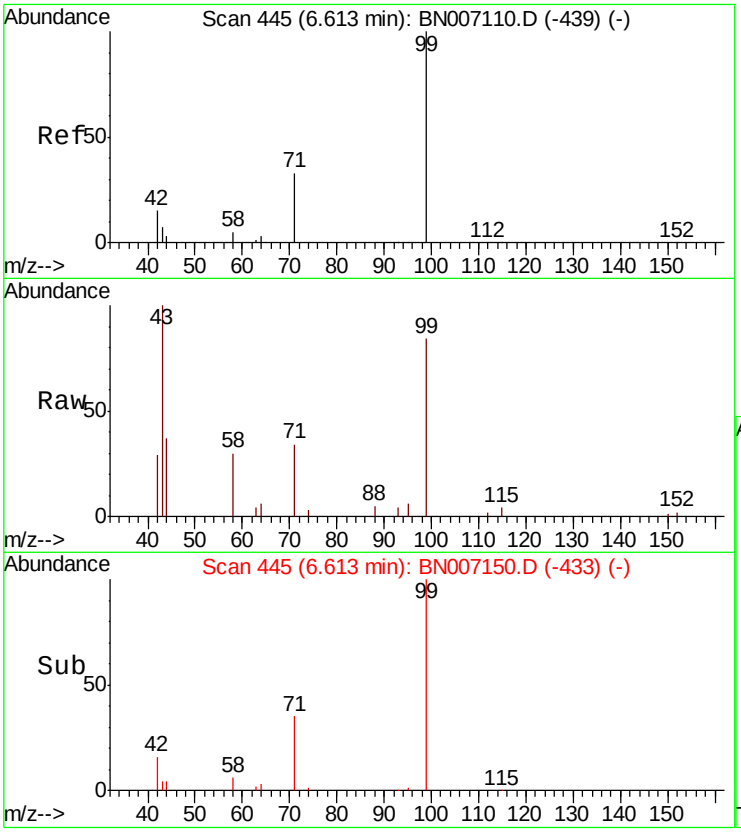




#3
2-Fluorophenol
Concen: 0.213 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

Tgt Ion:112 Resp: 4885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 51.5 | 42.6 | 63.8 |
| 63 | 26.5 | 22.2 | 33.2 |



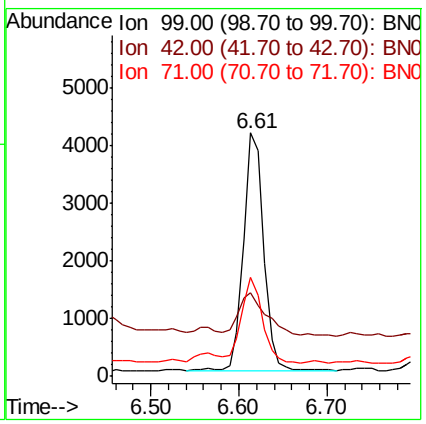


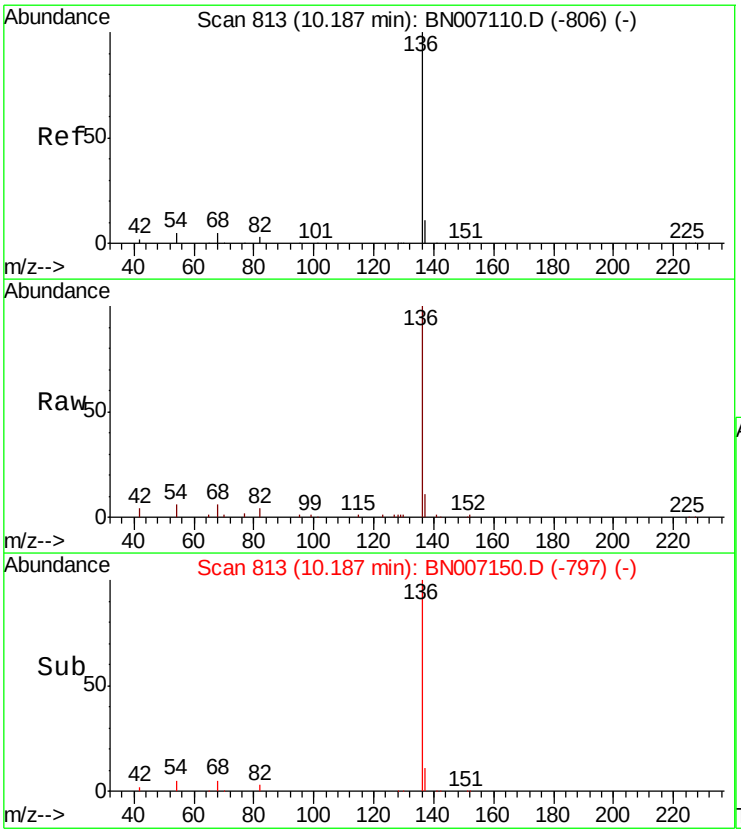

#4
Phenol-d6
Concen: 0.233 ng
RT: 6.61 min Scan# 445
Delta R.T. -0.00 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

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

Tgt Ion: 99 Resp: 6635

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.0 | 15.8 | 23.6 |
| 71 | 37.3 | 27.0 | 40.4 |

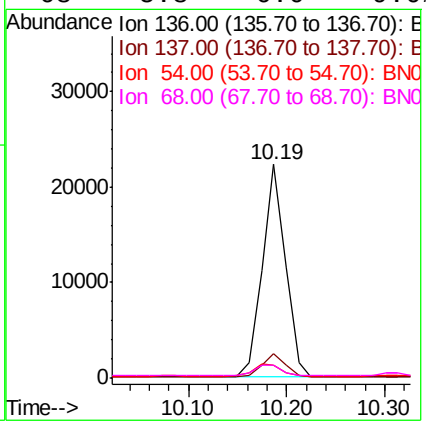


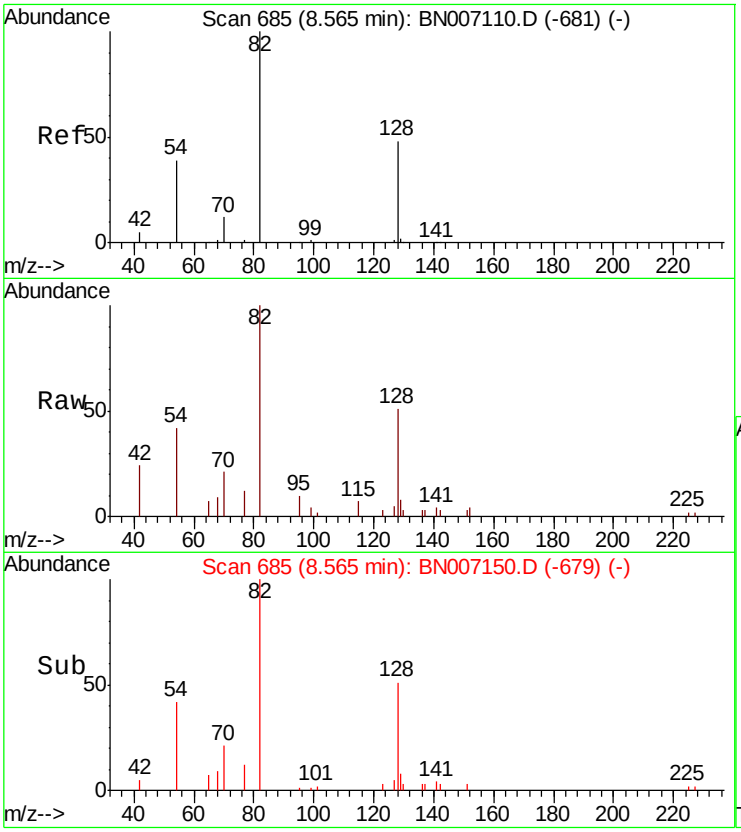




#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

Tgt Ion:136 Resp: 36733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 9.4 | 14.0 |
| 54 | 6.1 | 6.6 | 9.8# |
| 68 | 5.8 | 6.0 | 9.0# |



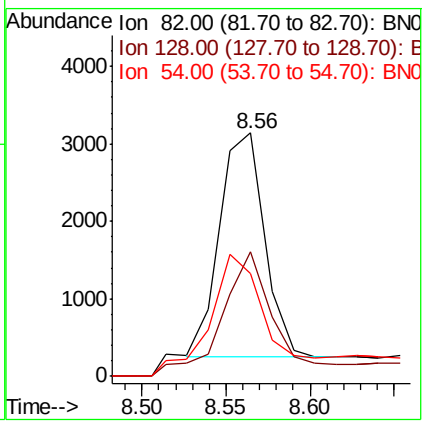


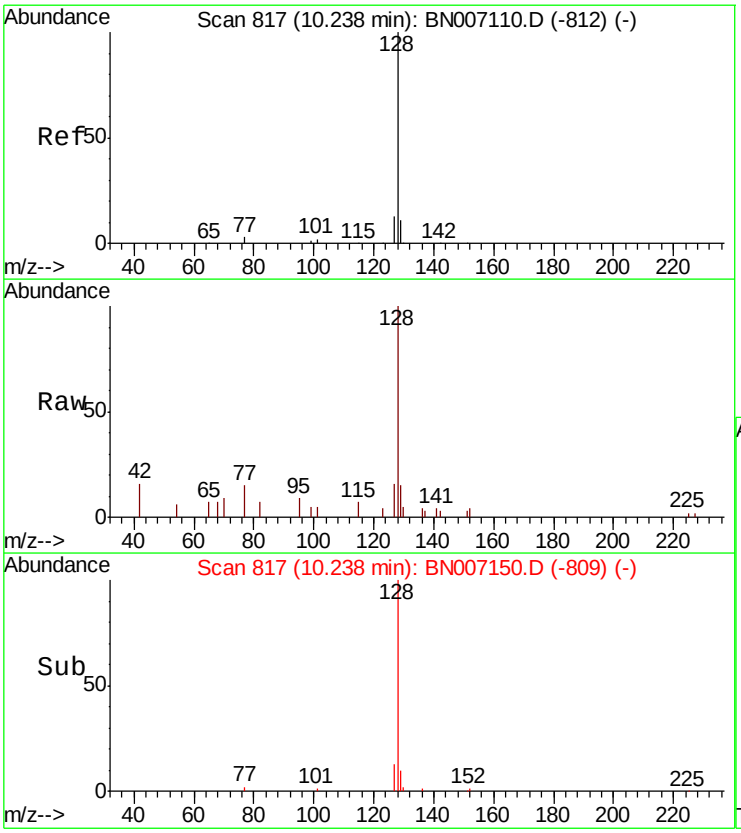

#7
Nitrobenzene-d5
Concen: 0.182 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

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

Tgt Ion: 82 Resp: 5387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 51.4 | 34.6 | 51.8 |
| 54 | 42.1 | 36.2 | 54.4 |

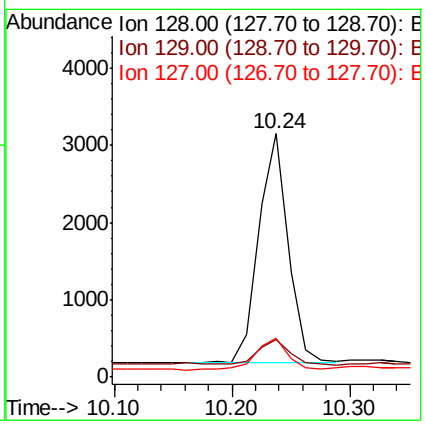


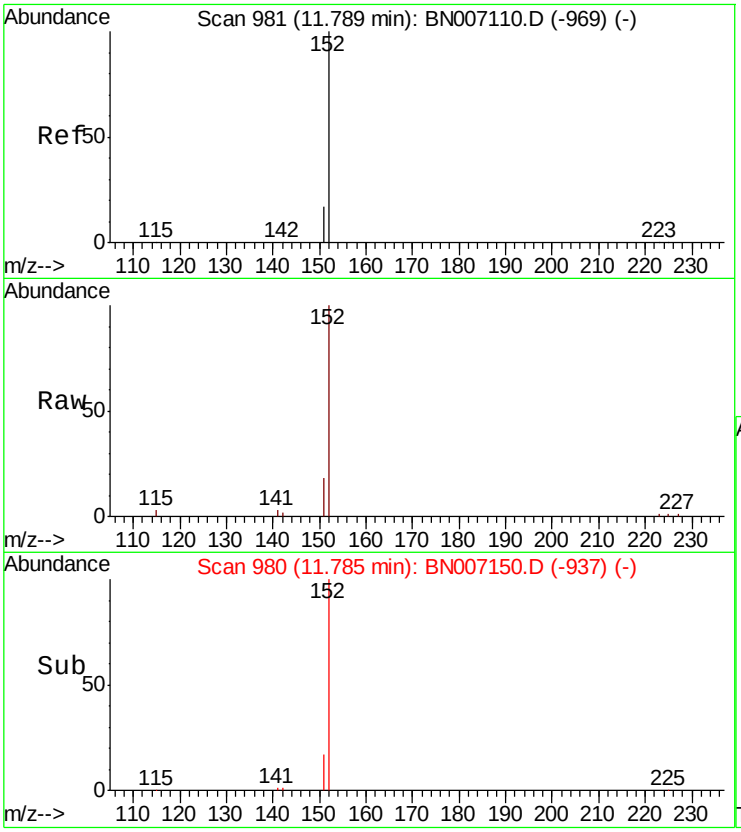




#8
Naphthalene
Concen: 0.051 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

Tgt Ion:128 Resp: 5213

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 15.3 | 9.4 | 14.2# |
| 127 | 16.1 | 11.0 | 16.6 |



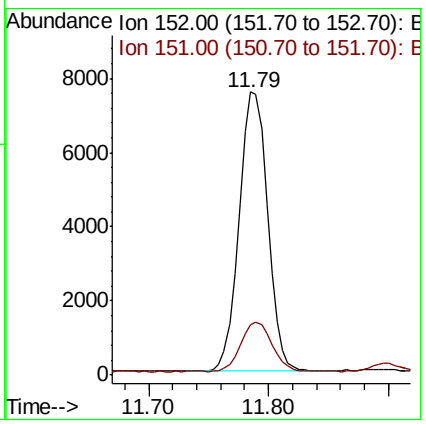


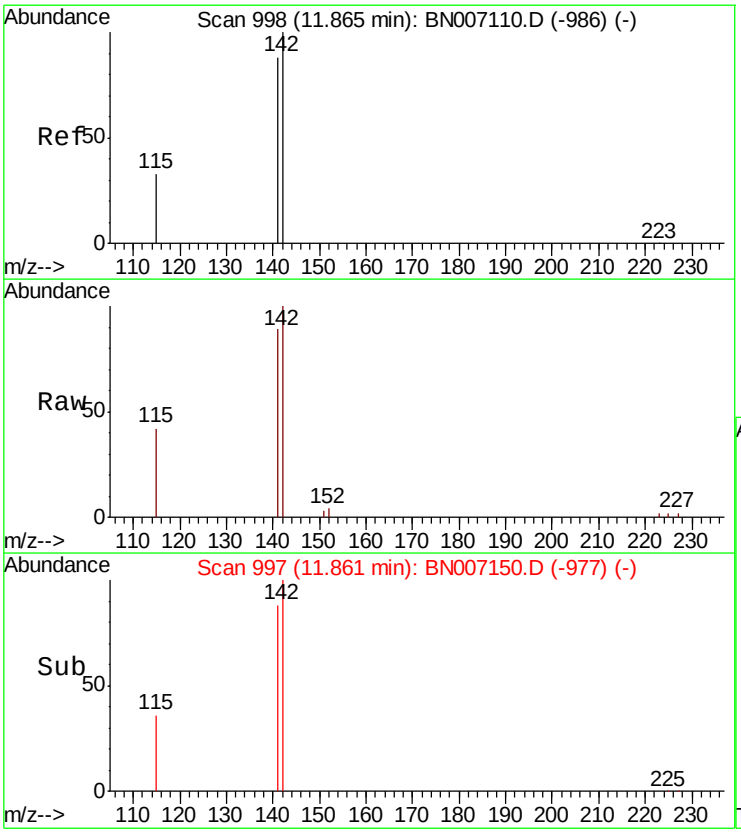

#10
2-Methylnaphthalene-d10
Concen: 0.182 ng
RT: 11.79 min Scan# 980
Delta R.T. -0.01 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

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

Tgt Ion:152 Resp: 12473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.5 | 15.5 | 23.3 |

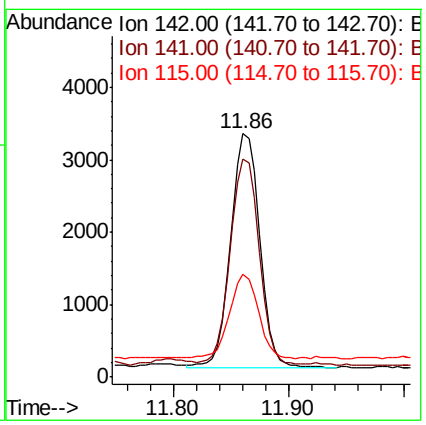


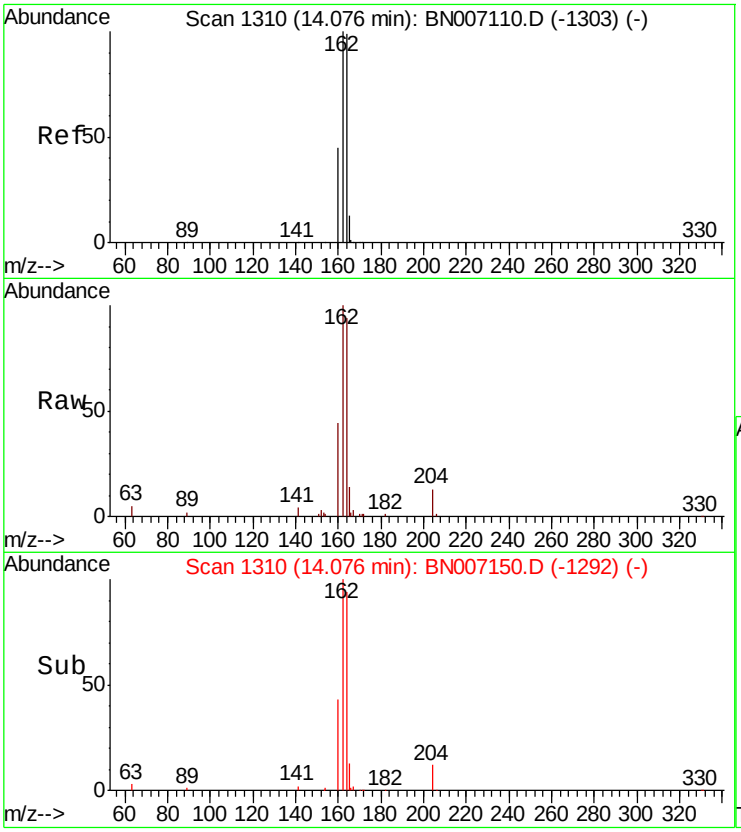




#11
2-Methylnaphthalene
Concen: 0.075 ng
RT: 11.86 min Scan# 997
Delta R.T. -0.01 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

Tgt Ion:142 Resp: 5457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.3 | 69.0 | 103.6 |
| 115 | 42.1 | 27.1 | 40.7# |



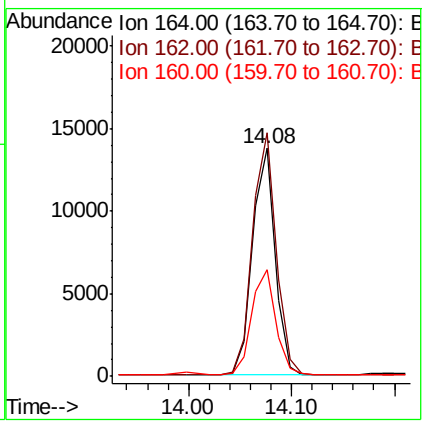


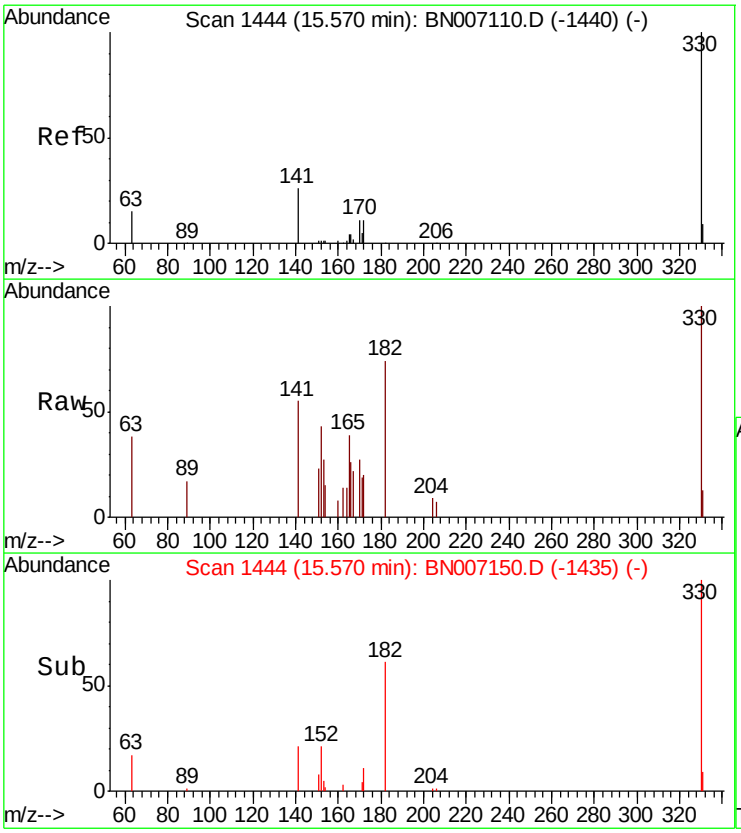

#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

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

Tgt Ion:164 Resp: 20797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.8 | 82.2 | 123.4 |
| 160 | 46.6 | 38.3 | 57.5 |

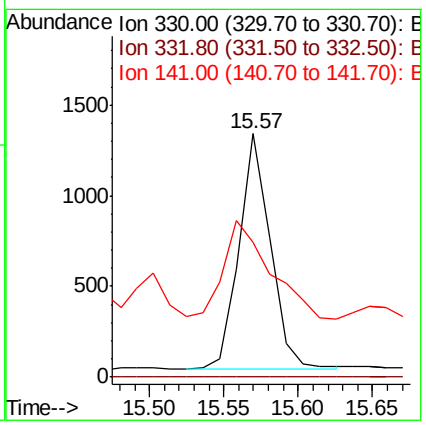


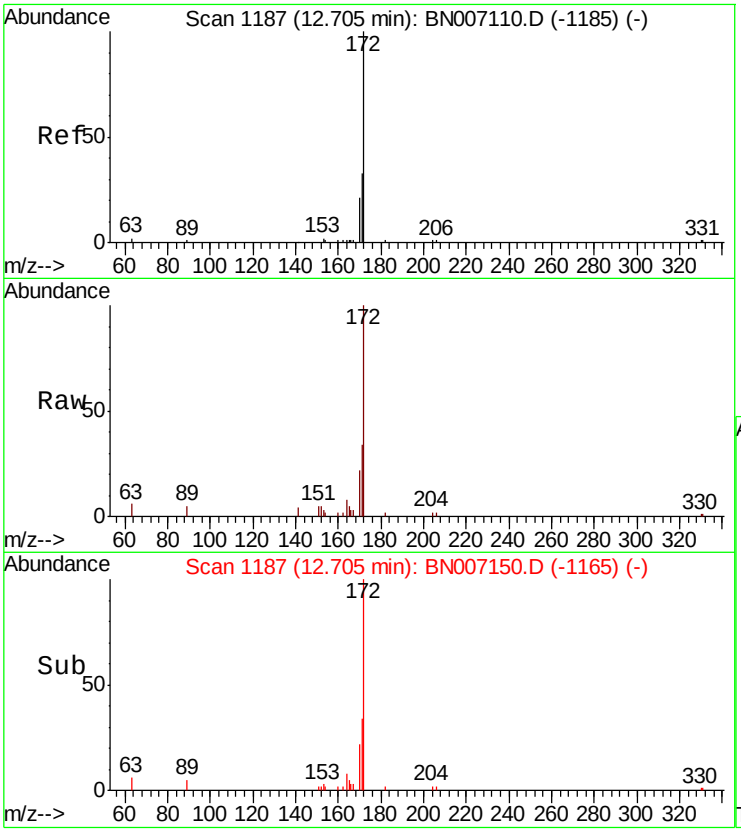




#13
2,4,6-Tribromophenol
Concen: 0.168 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

Tgt Ion:330 Resp: 1881

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 0.0 | 0.0 | 0.0 |
| 141 | 62.5 | 33.6 | 50.4# |



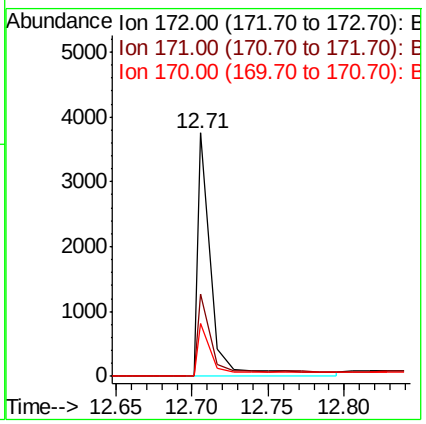


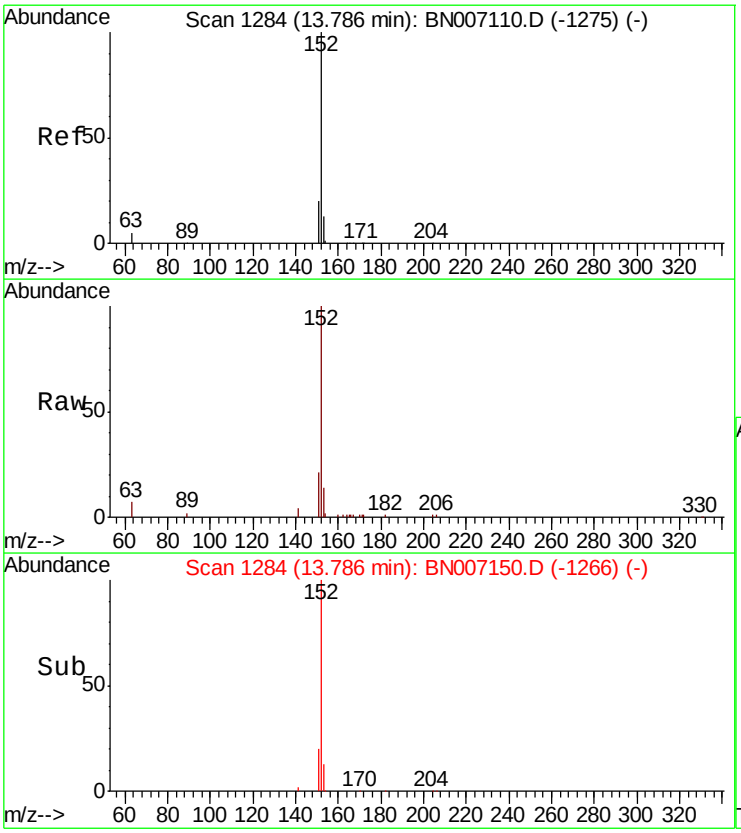

#14
2-Fluorobiphenyl
Concen: 0.092 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

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

Tgt Ion:172 Resp: 2794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.0 | 26.3 | 39.5 |
| 170 | 21.6 | 17.0 | 25.4 |

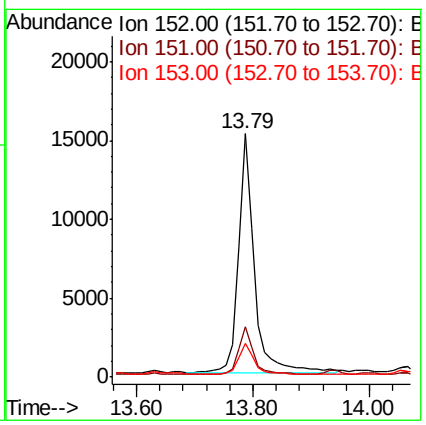


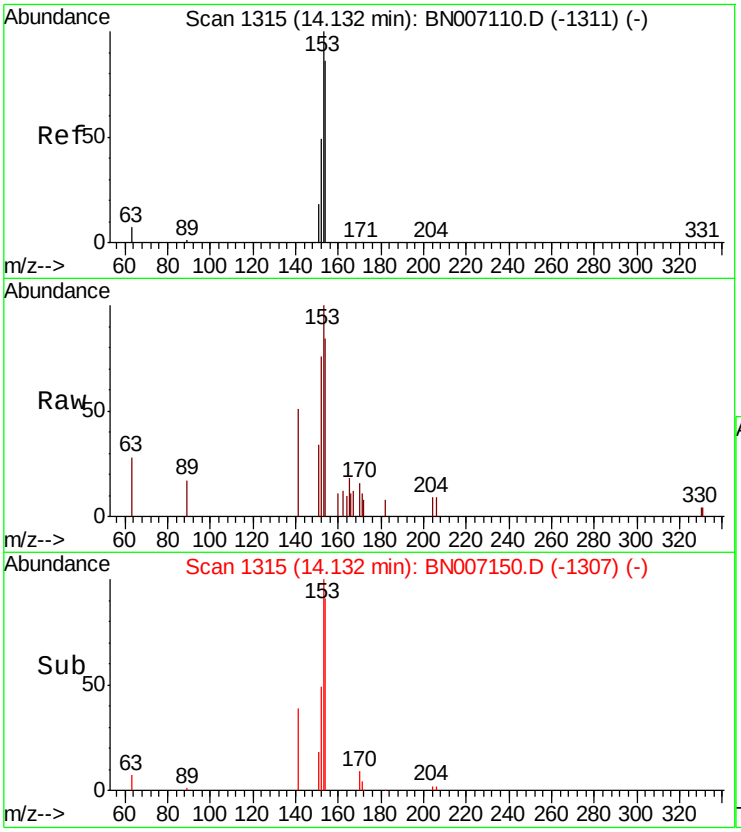




#15
Acenaphthylene
Concen: 0.267 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

Tgt Ion:152 Resp: 28979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.3 | 15.8 | 23.6 |
| 153 | 13.0 | 10.4 | 15.6 |



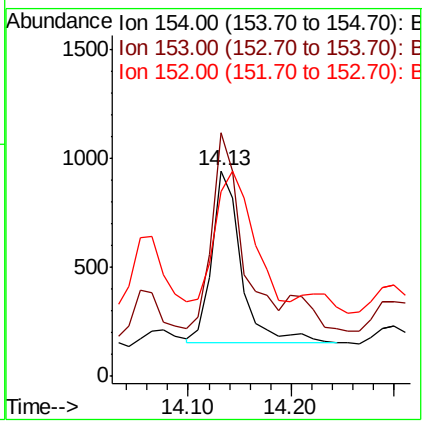


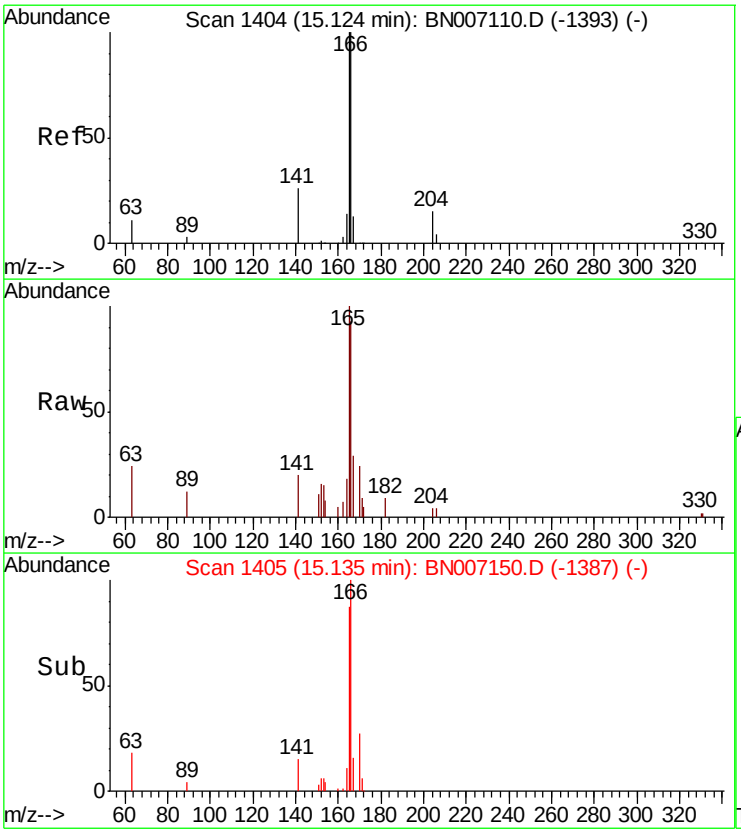

#16
Acenaphthene
Concen: 0.022 ng
RT: 14.13 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

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

Tgt Ion:154 Resp: 1541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 115.3 | 89.5 | 134.3 |
| 152 | 101.2 | 44.8 | 67.2# |

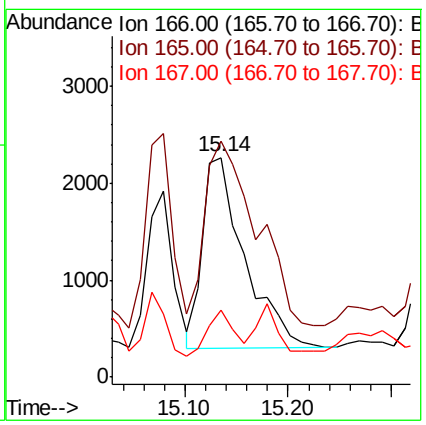


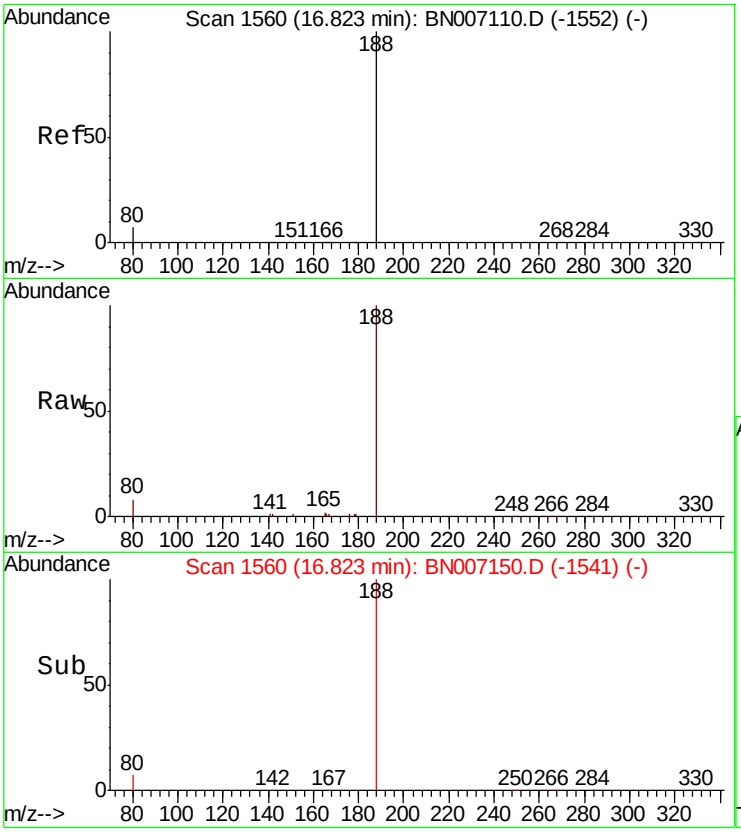




#17
Fluorene
Concen: 0.054 ng
RT: 15.14 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

Tgt Ion:166 Resp: 5604

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 118.5 | 77.9 | 116.9# |
| 167 | 15.5 | 10.9 | 16.3 |



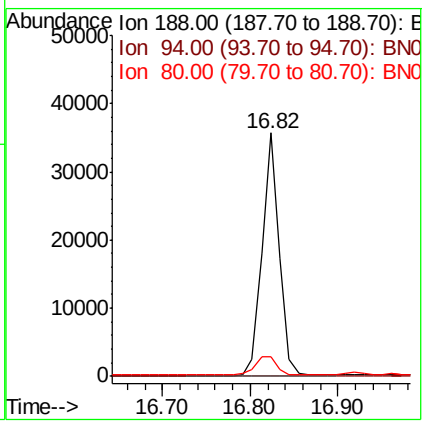


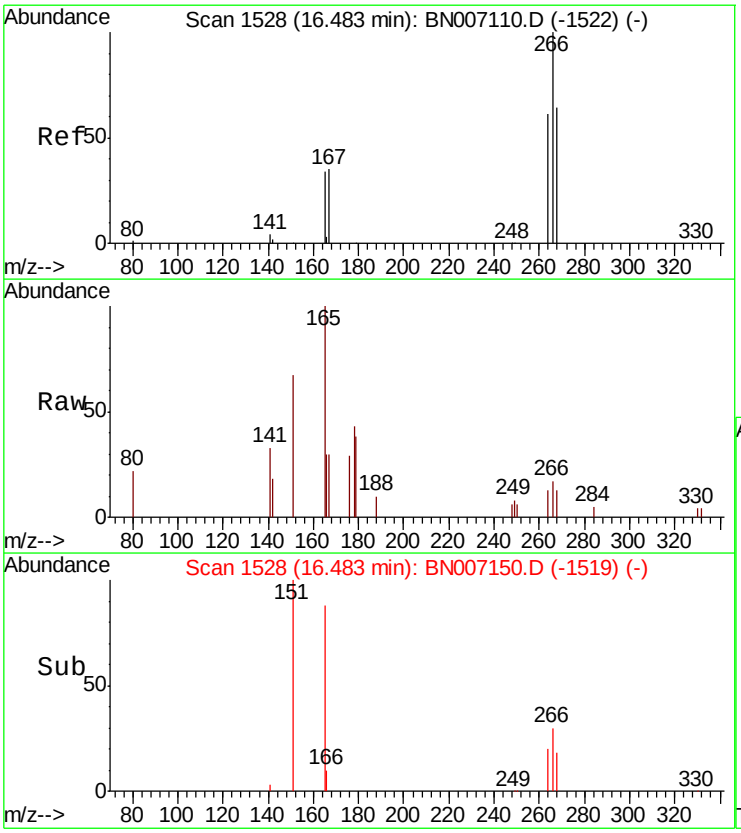

#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

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

Tgt Ion:188 Resp: 48720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 8.1 | 7.8 | 11.6 |

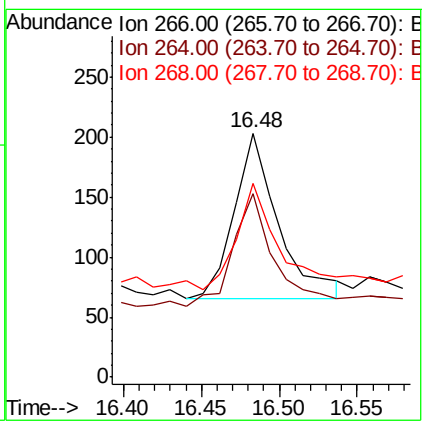


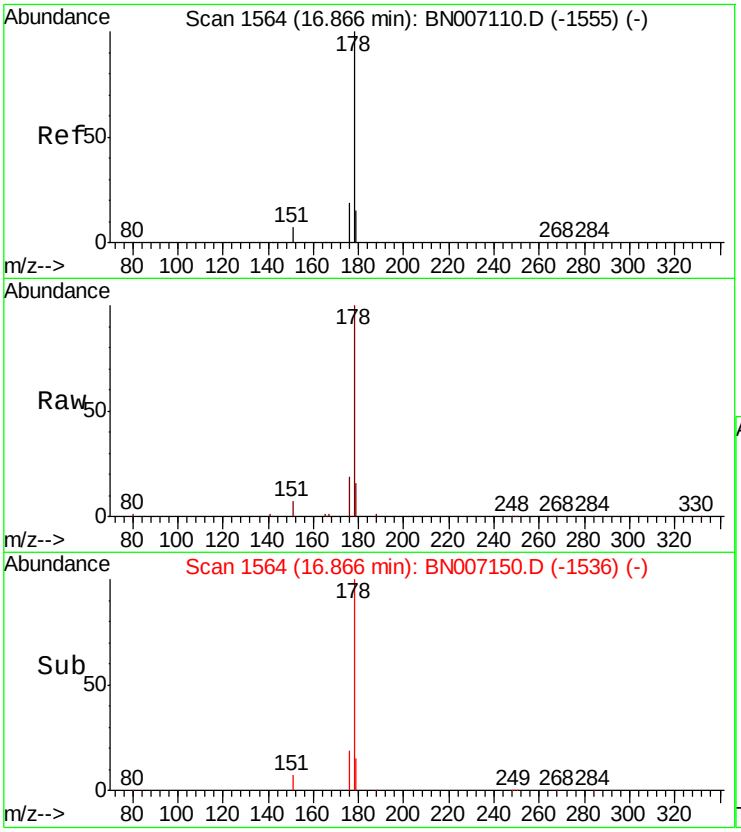




#21
Pentachlorophenol
Concen: 0.025 ng
RT: 16.48 min Scan# 1528
Delta R.T. -0.00 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

Tgt Ion:266 Resp: 268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 75.4 | 52.3 | 78.5 |
| 268 | 79.3 | 51.5 | 77.3# |



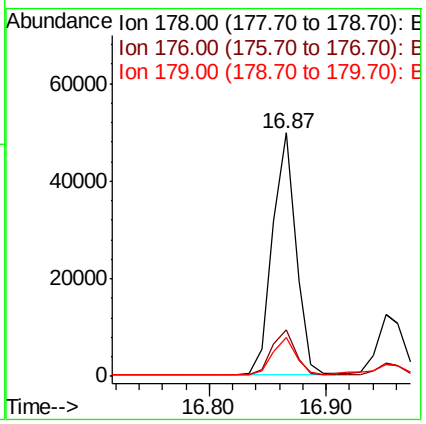


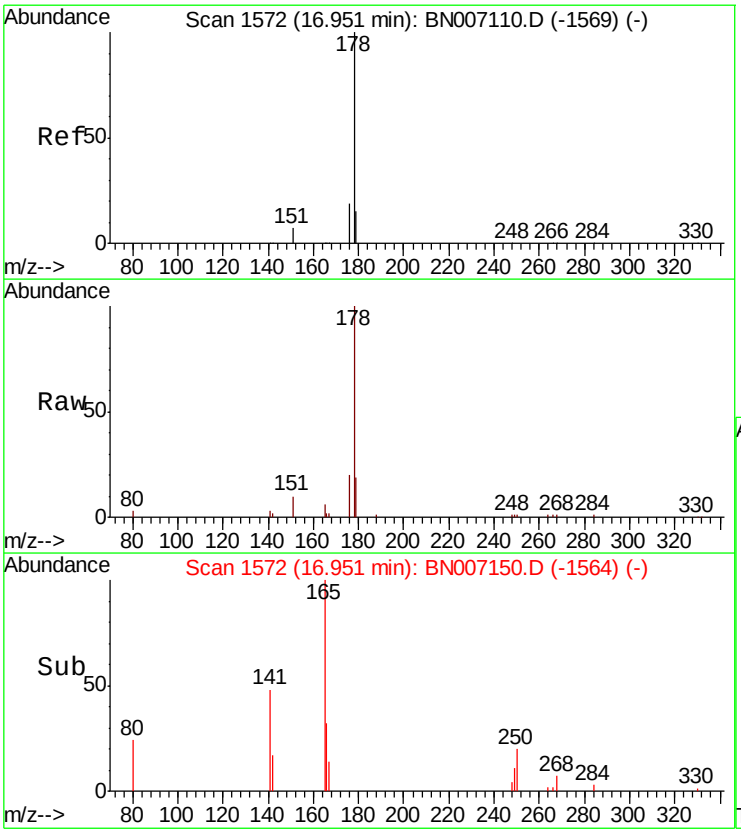

#22
Phenanthrene
Concen: 0.475 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

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

Tgt Ion:178 Resp: 69389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.2 | 22.8 |
| 179 | 16.0 | 12.3 | 18.5 |

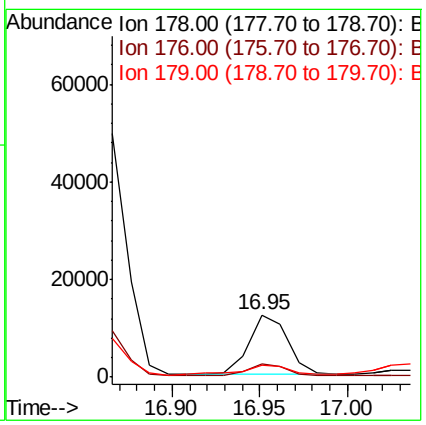


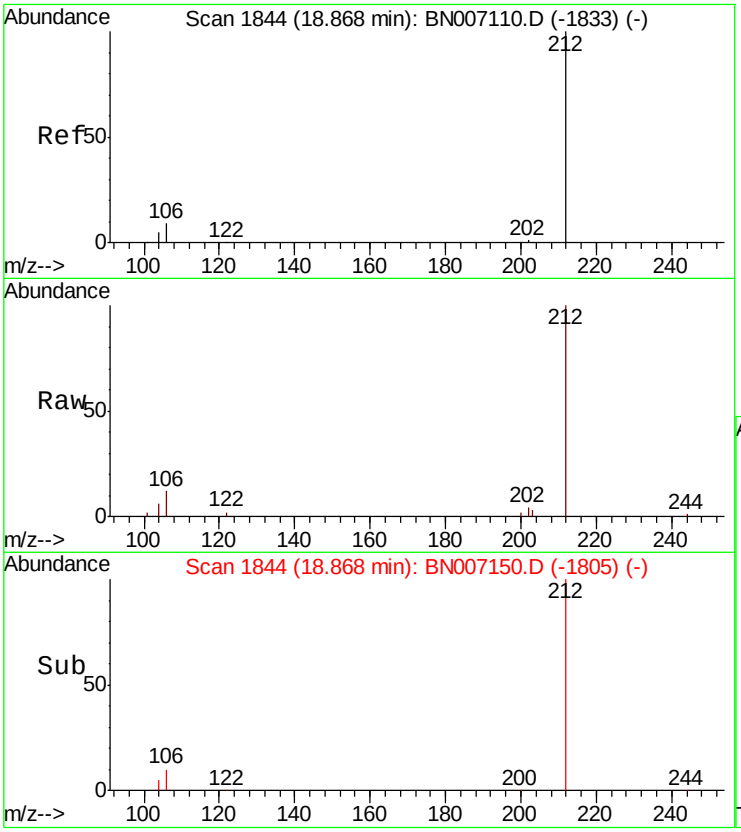




#23
Anthracene
Concen: 0.141 ng
RT: 16.95 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

Tgt Ion:178 Resp: 18874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 14.6 | 21.8 |
| 179 | 19.8 | 12.5 | 18.7# |



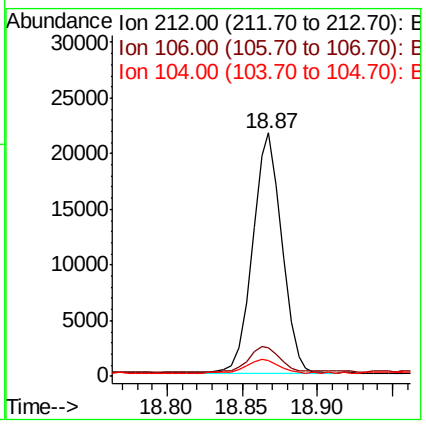


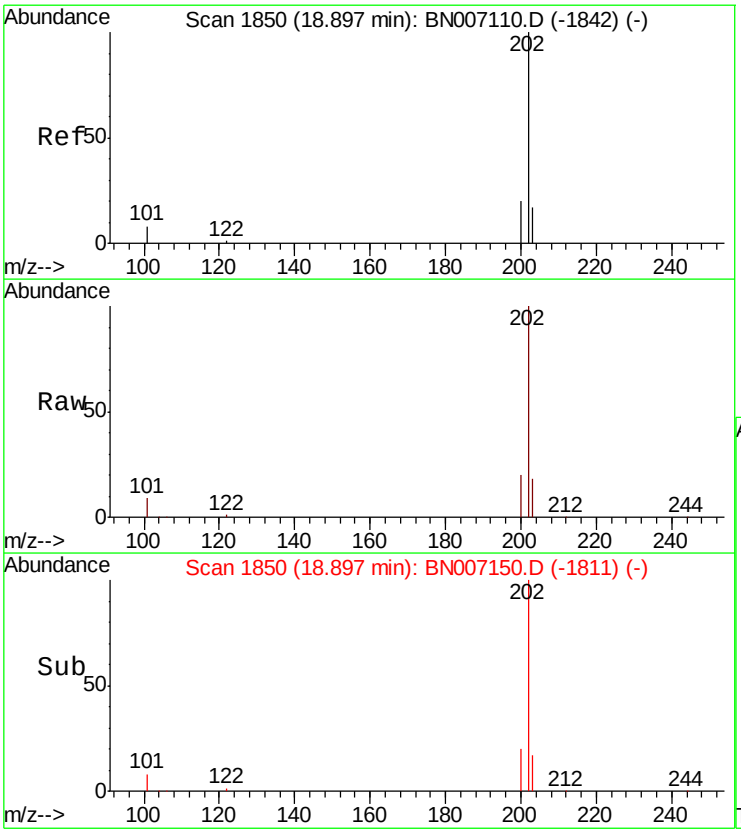

#24
Fluoranthene-d10
Concen: 0.169 ng
RT: 18.87 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

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

Tgt Ion:212 Resp: 29144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 11.2 | 8.2 | 12.2 |
| 104 | 6.4 | 4.5 | 6.7 |

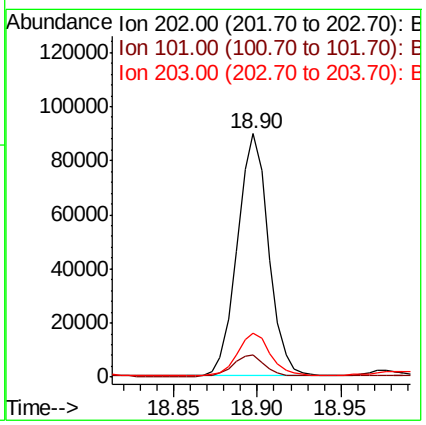


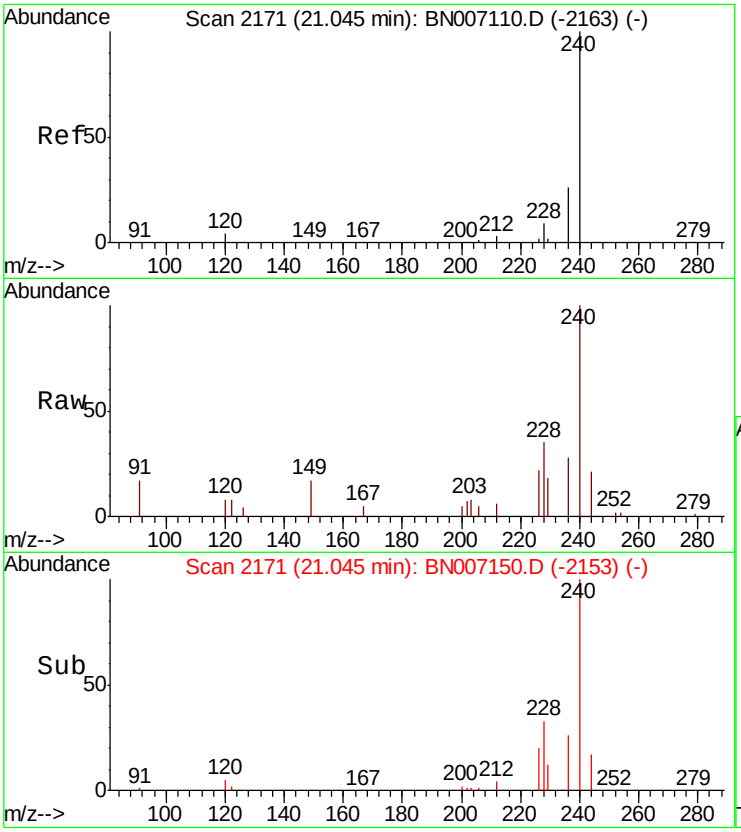




#25
Fluoranthene
Concen: 0.625 ng
RT: 18.90 min Scan# 1850
Delta R.T. -0.01 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

Tgt Ion:202 Resp: 116821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.0 | 7.0 | 10.4 |
| 203 | 17.9 | 13.8 | 20.8 |



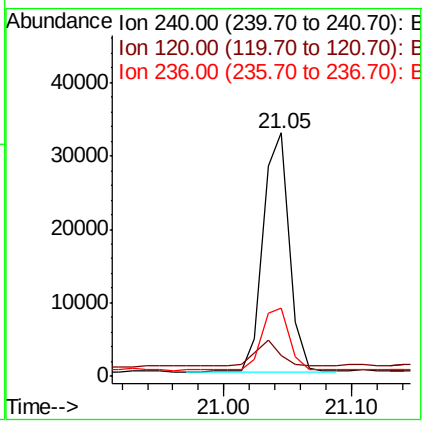


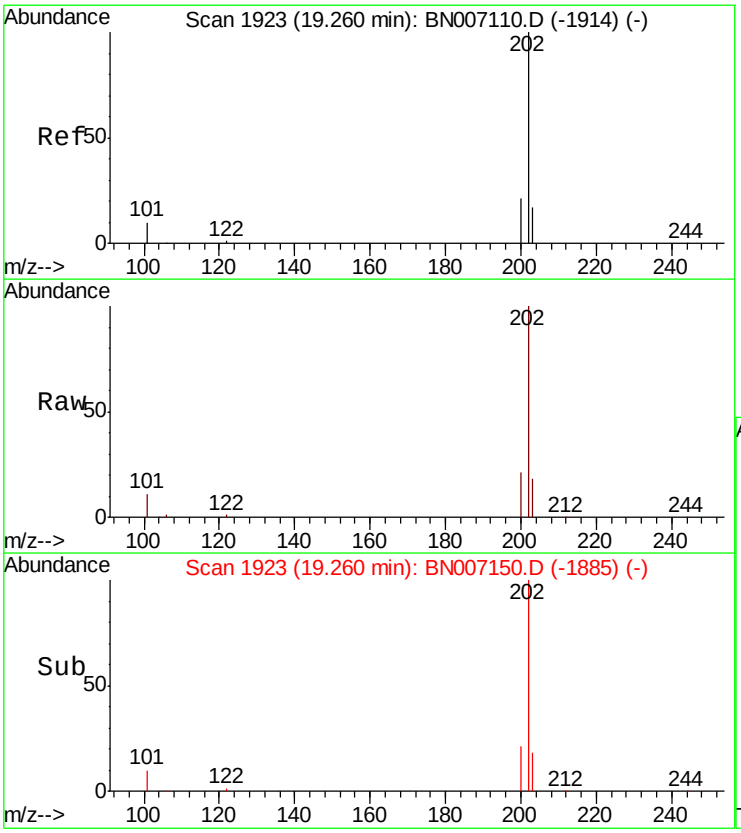

#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.05 min Scan# 2171
Delta R.T. -0.01 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

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

Tgt Ion:240 Resp: 46711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.4 | 4.0 | 6.0# |
| 236 | 28.0 | 21.3 | 31.9 |

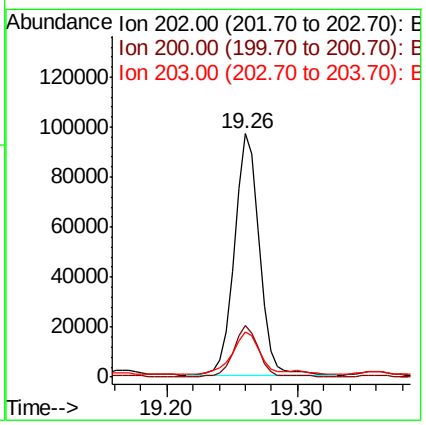


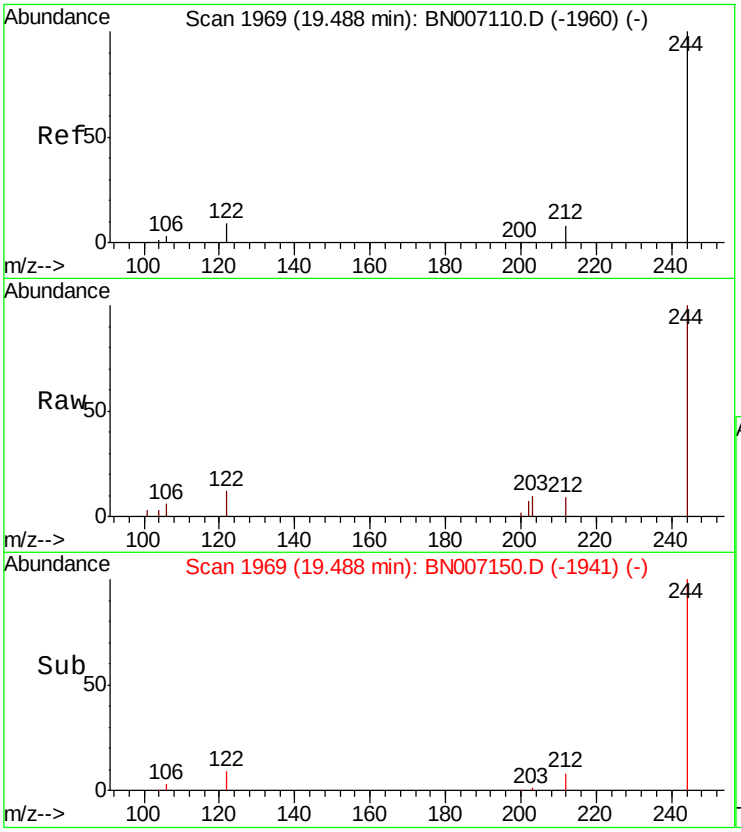




#27
Pyrene
Concen: 0.789 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

Tgt Ion:202 Resp: 129224

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.8 | 16.6 | 24.8 |
| 203 | 19.6 | 14.0 | 21.0 |



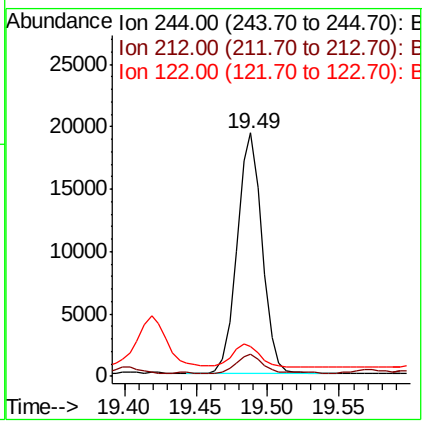


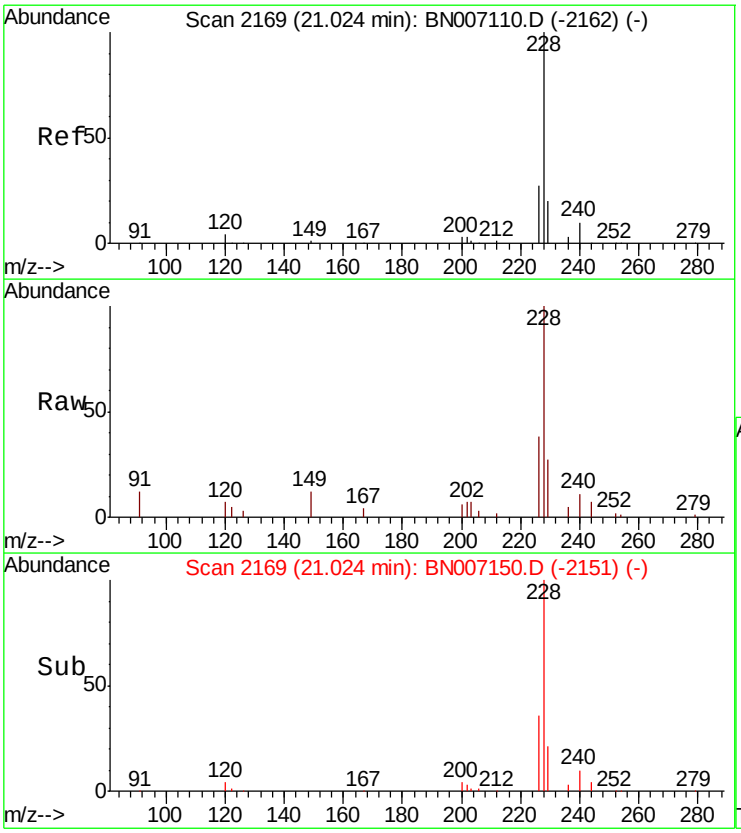

#28
Terphenyl-d14
Concen: 0.184 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

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

Tgt Ion:244 Resp: 23456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.0 | 6.2 | 9.2 |
| 122 | 12.5 | 7.4 | 11.2# |

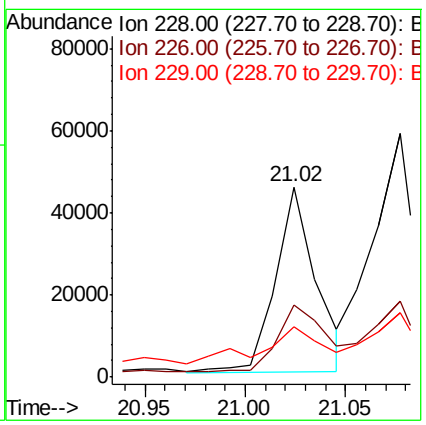


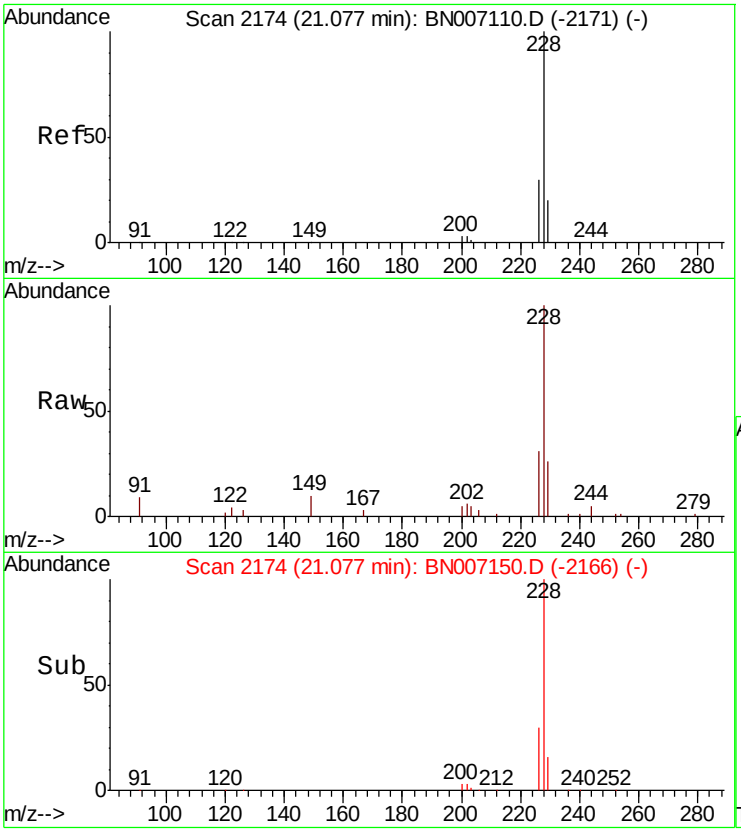




#29
Benzo(a)anthracene
Concen: 0.374 ng
RT: 21.02 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

Tgt Ion:228 Resp: 63907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 37.8 | 21.8 | 32.6# |
| 229 | 26.5 | 15.6 | 23.4# |



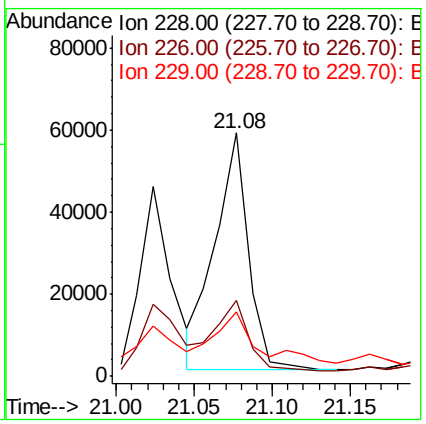


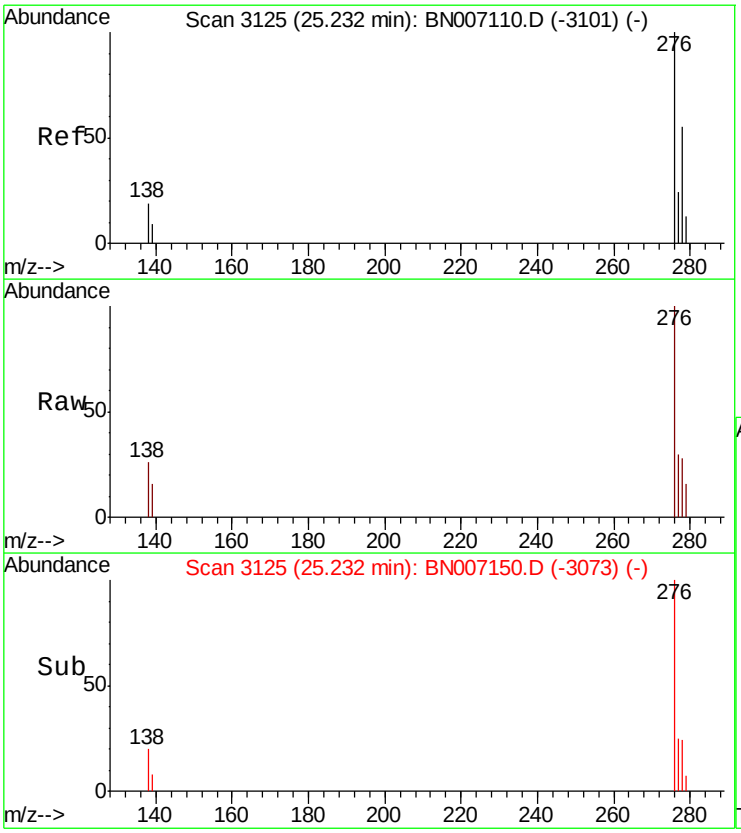

#30
Chrysene
Concen: 0.520 ng
RT: 21.08 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

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

Tgt Ion:228 Resp: 86235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.2 | 23.8 | 35.6 |
| 229 | 26.5 | 15.7 | 23.5# |

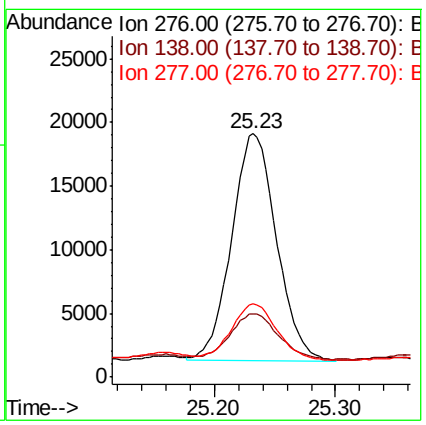


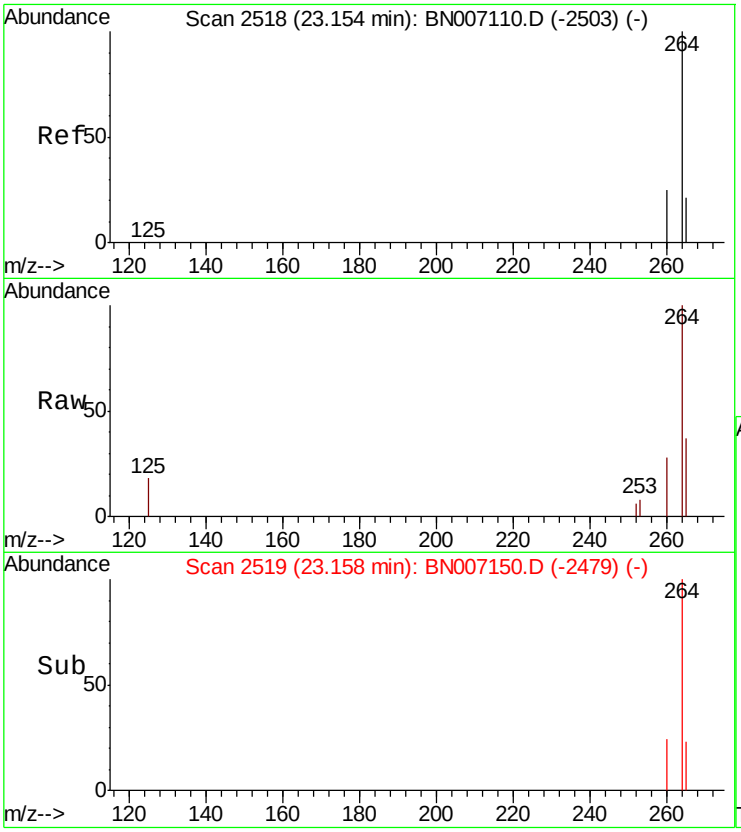




#31
Indeno(1,2,3-cd)pyrene
Concen: 0.252 ng
RT: 25.23 min Scan# 3125
Delta R.T. -0.02 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

Tgt Ion:276 Resp: 46047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.9 | 16.0 | 24.0 |
| 277 | 25.3 | 19.9 | 29.9 |



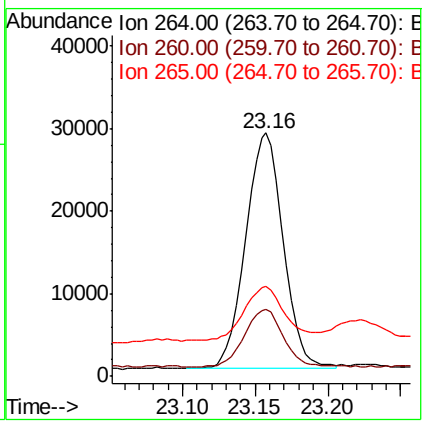


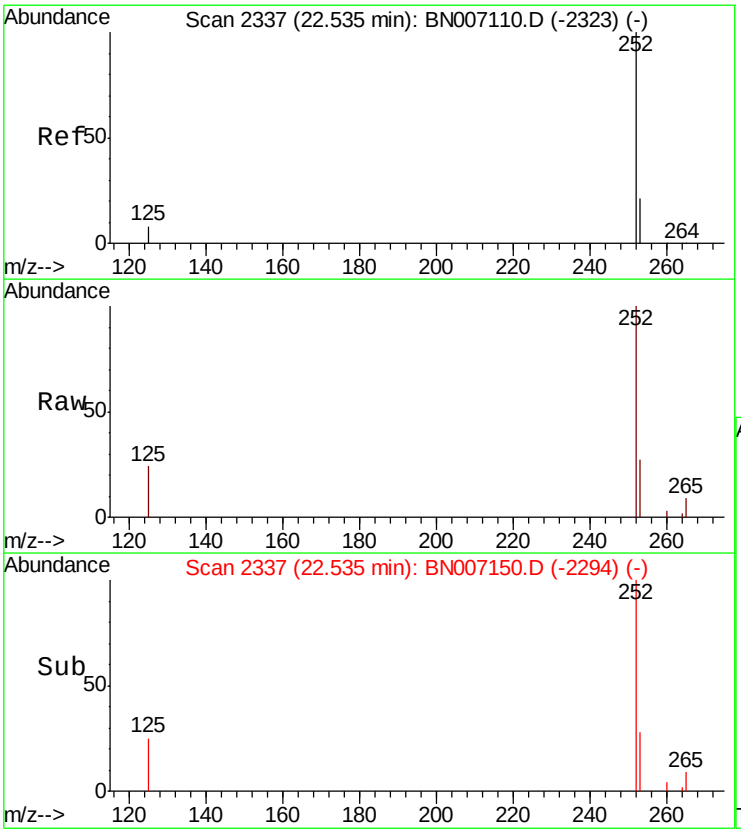

#32
Perylene-d12
Concen: 0.400 ng
RT: 23.16 min Scan# 2519
Delta R.T. -0.01 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

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

Tgt Ion:264 Resp: 51674

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 27.5 | 19.8 | 29.8 |
| 265 | 36.7 | 26.2 | 39.4 |

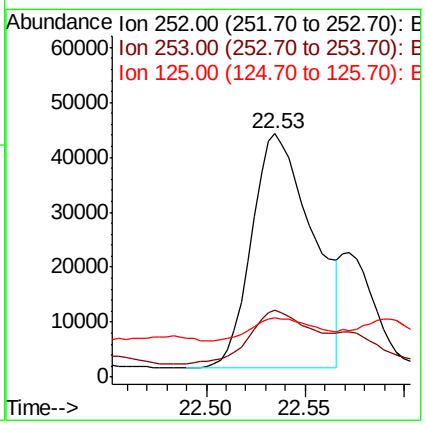


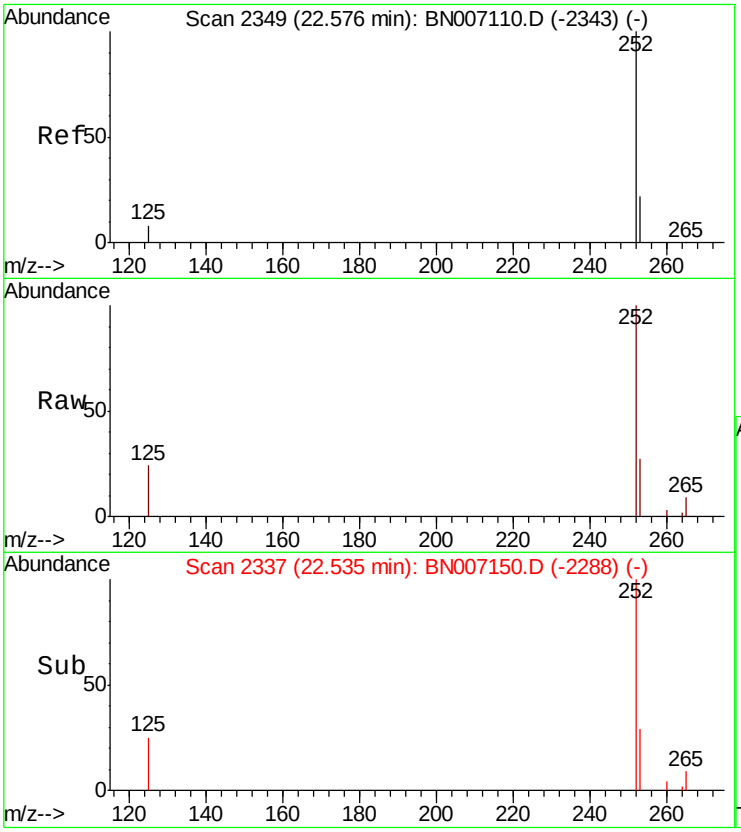




#33
Benzo(b)fluoranthene
Concen: 0.512 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.01 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

Tgt Ion:252 Resp: 90793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.3 | 18.2 | 27.2# |
| 125 | 24.3 | 7.4 | 11.0# |



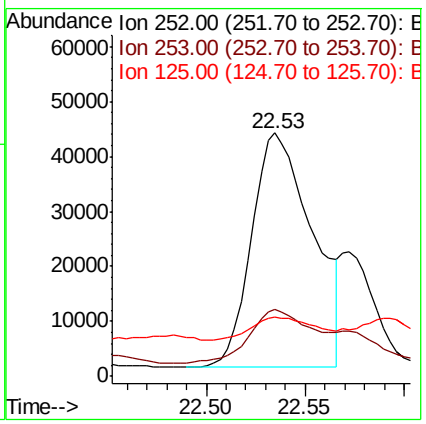


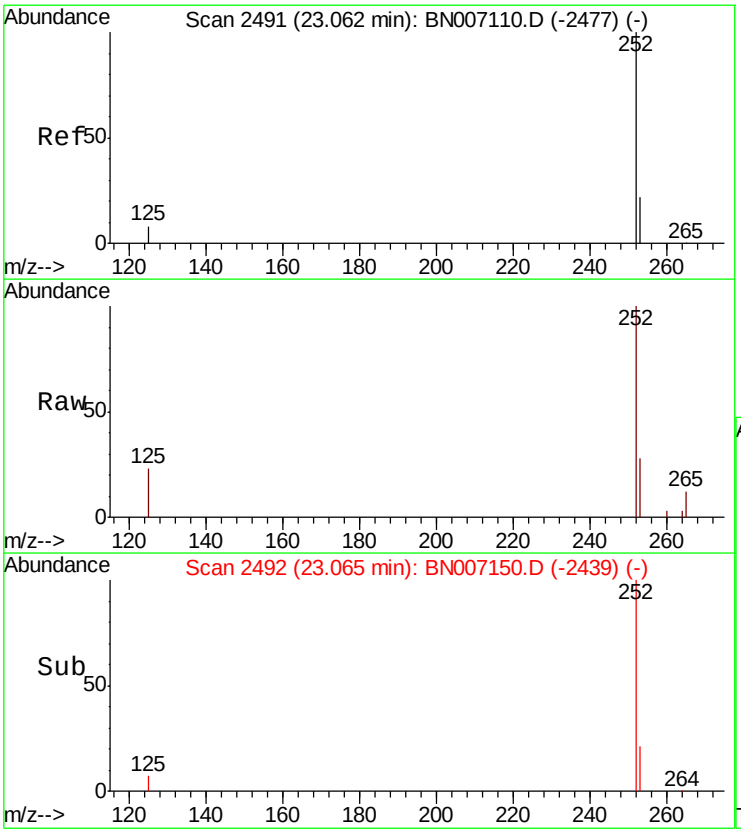

#34
Benzo(k)fluoranthene
Concen: 0.519 ng
RT: 22.53 min Scan# 2337
Delta R.T. -0.05 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

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

Tgt Ion:252 Resp: 90793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.3 | 18.1 | 27.1# |
| 125 | 24.3 | 7.4 | 11.0# |

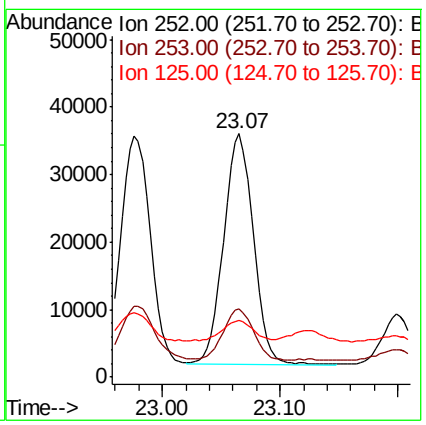


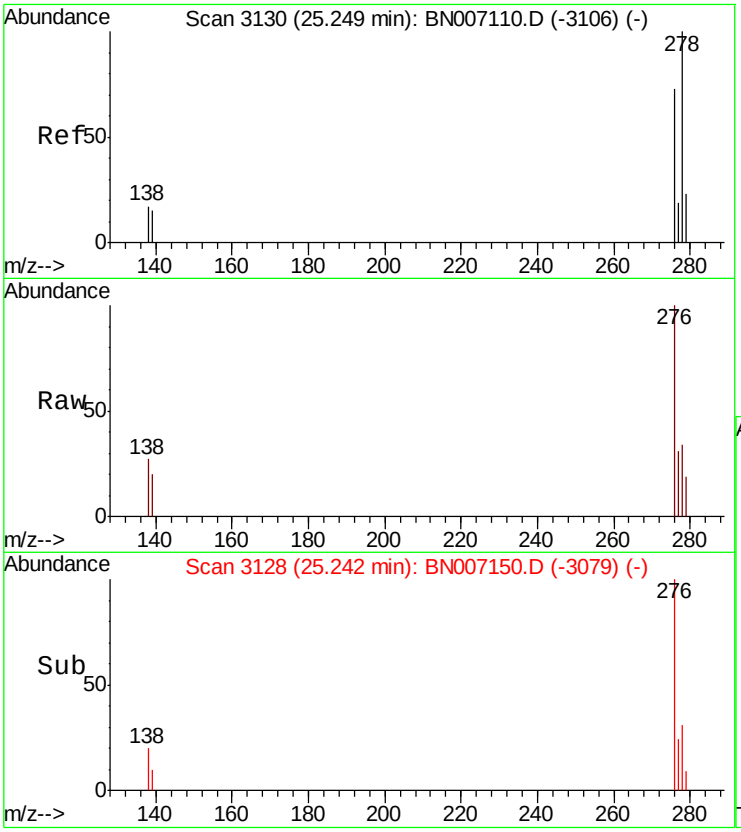




#35
Benzo(a)pyrene
Concen: 0.374 ng
RT: 23.07 min Scan# 2492
Delta R.T. -0.02 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

Tgt Ion:252 Resp: 60008

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.1 | 18.5 | 27.7# |
| 125 | 23.4 | 8.2 | 12.4# |



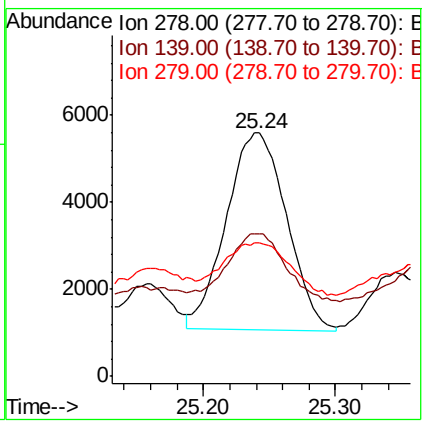


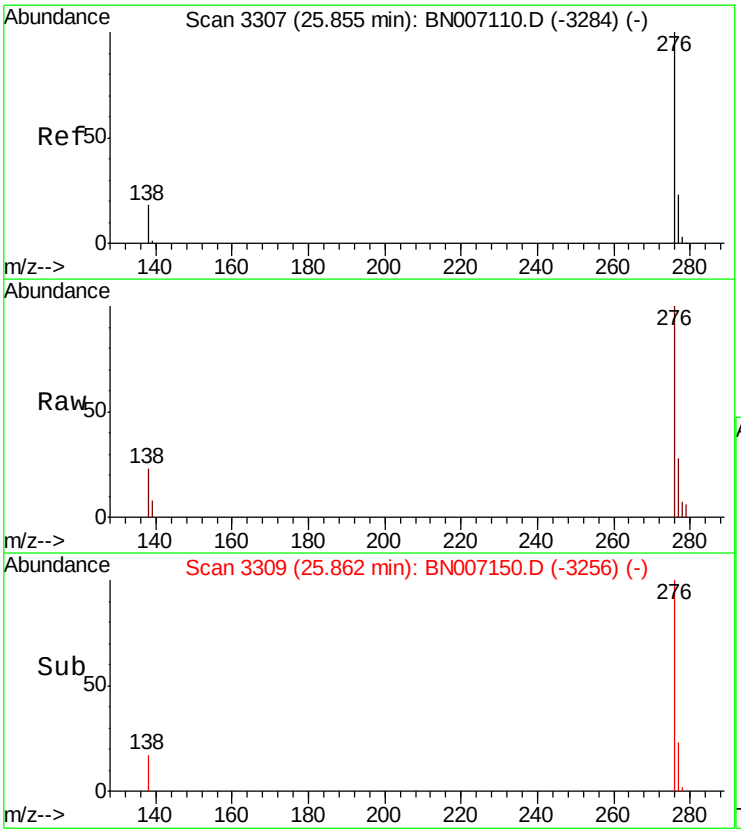

#36
Dibenzo(a,h)anthracene
Concen: 0.090 ng
RT: 25.24 min Scan# 3128
Delta R.T. -0.03 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

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

Tgt Ion:278 Resp: 14440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 58.3 | 11.3 | 16.9# |
| 279 | 54.7 | 19.3 | 28.9# |




#37
Benzo(g,h,i)perylene
Concen: 0.386 ng
RT: 25.86 min Scan# 3309
Delta R.T. -0.02 min
Lab File: BN007150.D
Acq: 14 Aug 2019 03:20

Tgt Ion:276 Resp: 63702

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 28.0 | 19.8 | 29.8 |
| 138 | 22.8 | 14.6 | 22.0# |