Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032420\
Data File : BN010334.D
Acq On : 24 Mar 2020 19:51
Operator : CG/JU
Sample : L1997-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** RE109D2-20200316

Quant Time: Mar 25 01:48:09 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 19 15:26:45 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.62 | 152 | 5152 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.38 | 136 | 18118 | 0.40 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.24 | 164 | 10723 | 0.40 | ng | | -0.01 |
| 19) Phenanthrene-d10 | 16.99 | 188 | 25623 | 0.40 | ng | | 0.00 |
| 27) Chrysene-d12 | 21.19 | 240 | 26712 | 0.40 | ng | | 0.00 |
| 34) Perylene-d12 | 23.35 | 264 | 28209 | 0.40 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.25 | 112 | 1395 | 0.14 | ng | | 0.00 |
| 5) Phenol-d6 | 6.80 | 99 | 1089 | 0.09 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.74 | 82 | 5625 | 0.48 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.97 | 152 | 7410 | 0.26 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.73 | 330 | 1099 | 0.27 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 12.85 | 172 | 22263 | 0.54 | ng | | -0.01 |
| 25) Fluoranthene-d10 | 19.02 | 212 | 21222 | 0.27 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.63 | 244 | 29045 | 0.50 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.25 | 88 | 12866 | 2.659 | ng | | 97 |
| 3) n-Nitrosodimethylamine | 3.49 | 42 | 270 | 0.066 | ng | # | 1 |
| 23) Phenanthrene | 17.02 | 178 | 1851 | 0.026 | ng | # | 93 |
| 26) Fluoranthene | 19.05 | 202 | 4564 | 0.053 | ng | # | 97 |
| 28) Pyrene | 19.41 | 202 | 4125 | 0.050 | ng | | 96 |
| 30) Benzo(a)anthracene | 21.16 | 228 | 2567 | 0.030 | ng | | 91 |
| 31) Chrysene | 21.22 | 228 | 2798 | 0.031 | ng | | 96 |
| 32) Bis(2-ethylhexyl)phthalate | 21.12 | 149 | 3494 | 0.122 | ng | | 100 |
| 33) Indeno(1,2,3-cd)pyrene | 25.50 | 276 | 2557 | 0.026 | ng | | 98 |
| 35) Benzo(b)fluoranthene | 22.71 | 252 | 3886 | 0.041 | ng | # | 60 |
| 36) Benzo(k)fluoranthene | 22.75 | 252 | 2611 | 0.027 | ng | # | 1 |
| 37) Benzo(a)pyrene | 23.26 | 252 | 2381 | 0.029 | ng | # | 40 |
| 39) Benzo(g,h,i)perylene | 26.15 | 276 | 2233 | 0.025 | ng | # | 82 |

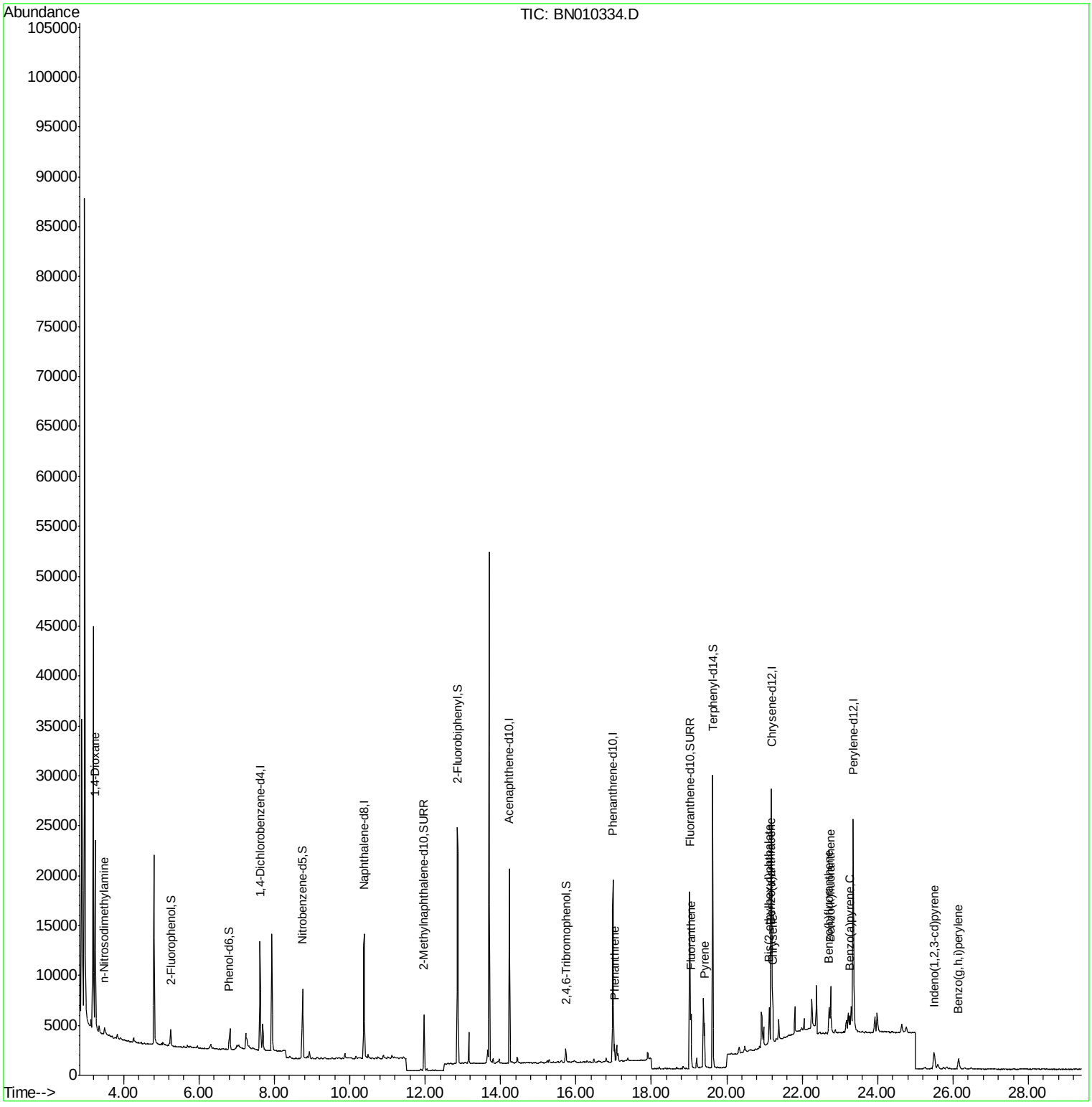
(#) = qualifier out of range (m) = manual integration (+) = signals summed

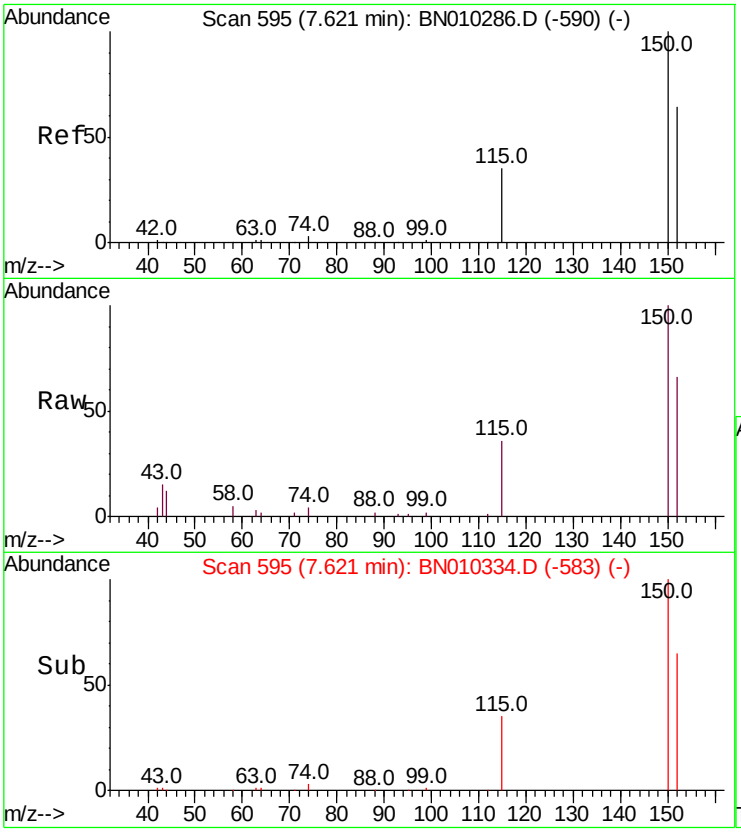
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032420\
Data File : BN010334.D
Acq On : 24 Mar 2020 19:51
Operator : CG/JU
Sample : L1997-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
RE109D2-20200316

Quant Time: Mar 25 01:48:09 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN031920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 19 15:26:45 2020
Response via : Initial Calibration



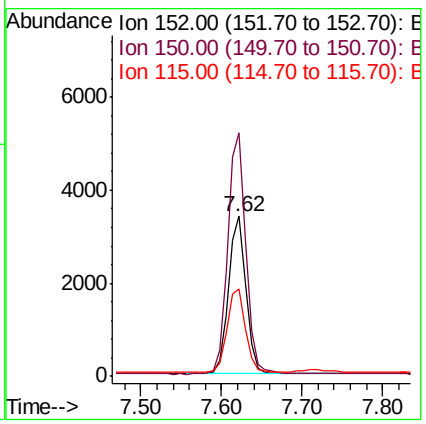


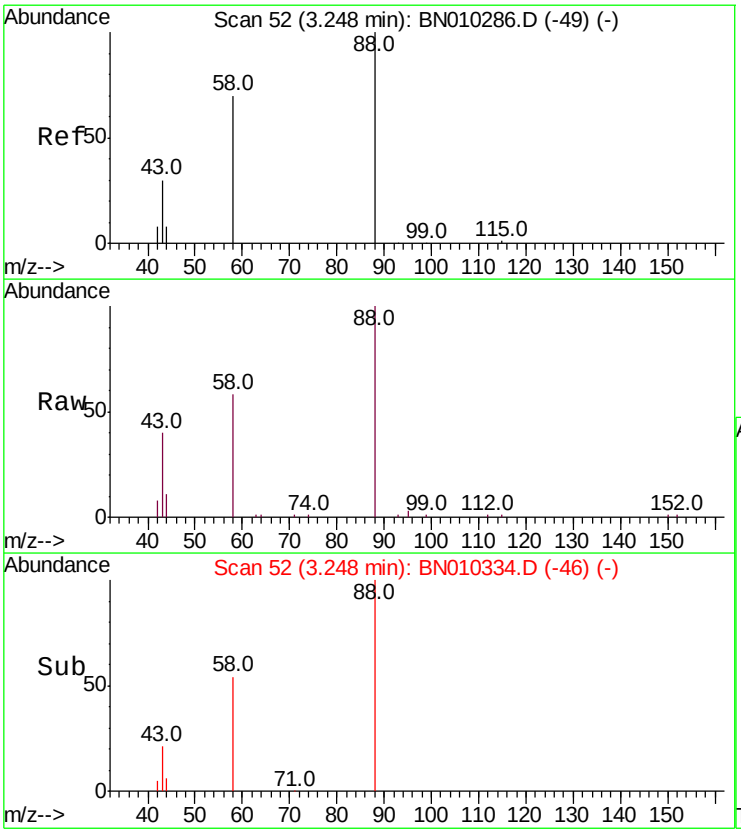

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.62 min Scan# 595
Delta R.T. 0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

**Instrument :**
BNA_N
**ClientSampleId :**
RE109D2-20200316

Tgt Ion:152 Resp: 5152

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.2 | 123.1 | 184.7 |
| 115 | 55.0 | 45.2 | 67.8 |

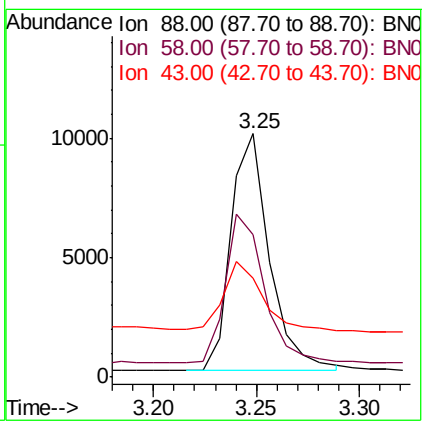


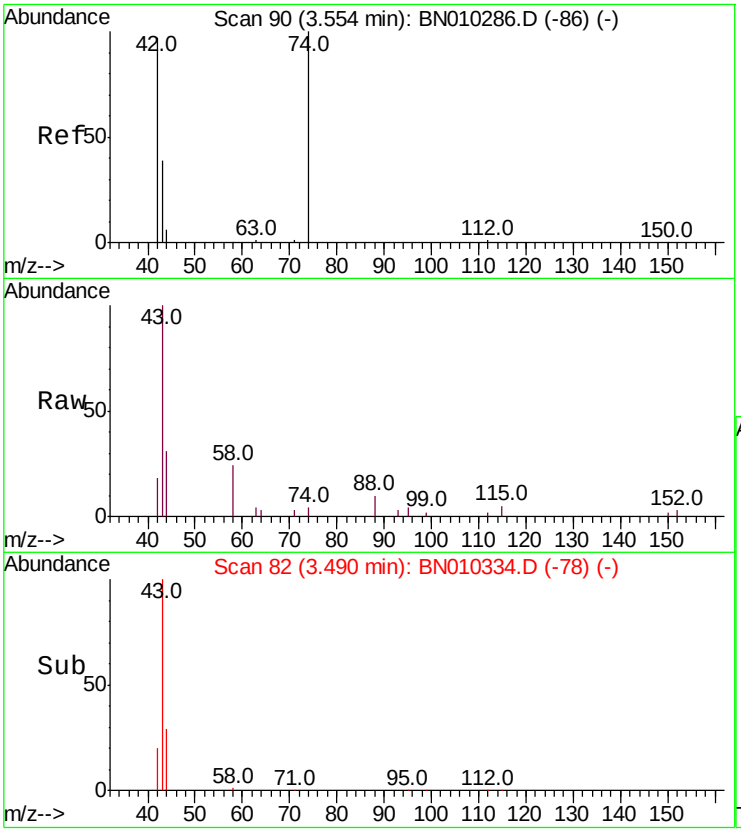




#2
1,4-Dioxane
Concen: 2.659 ng
RT: 3.25 min Scan# 52
Delta R.T. 0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion: 88 Resp: 12866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 62.8 | 51.7 | 77.5 |
| 43 | 28.4 | 21.2 | 31.8 |



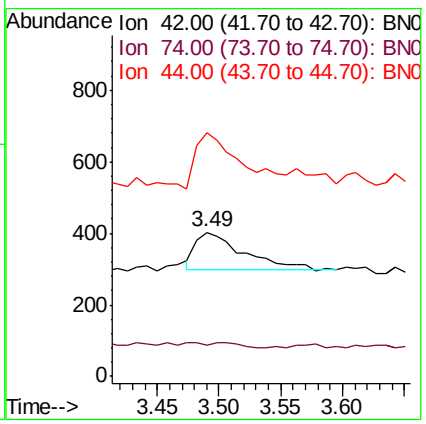


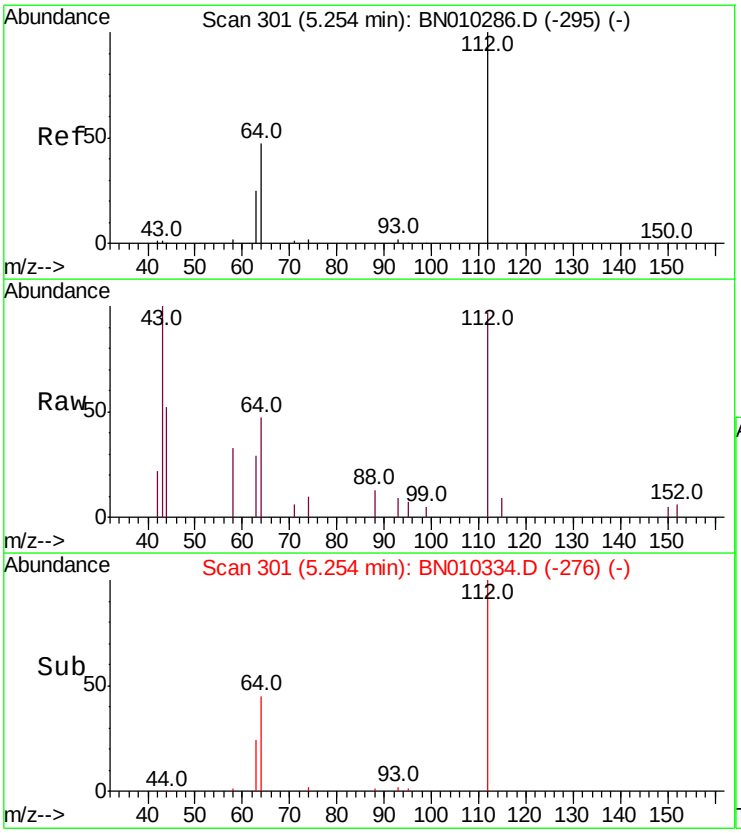

#3
n-Nitrosodimethylamine
Concen: 0.066 ng
RT: 3.49 min Scan# 82
Delta R.T. -0.06 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

**Instrument :**
BNA_N
**ClientSampleId :**
RE109D2-20200316

Tgt Ion: 42 Resp: 270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 8.1 | 99.4 | 149.0# |
| 44 | 154.1 | 4.8 | 7.2# |

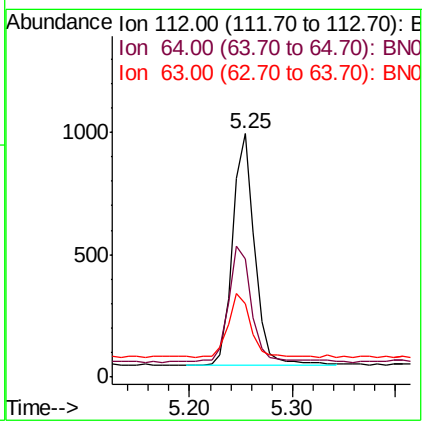


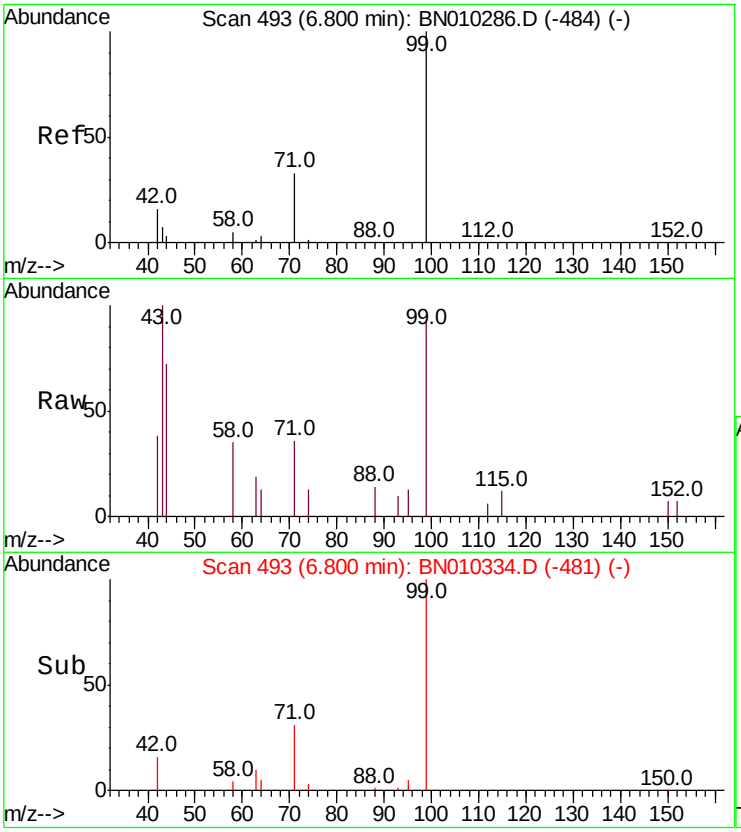




#4
2-Fluorophenol
Concen: 0.137 ng
RT: 5.25 min Scan# 301
Delta R.T. 0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion:112 Resp: 1395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.0 | 41.4 | 62.2 |
| 63 | 27.9 | 22.9 | 34.3 |



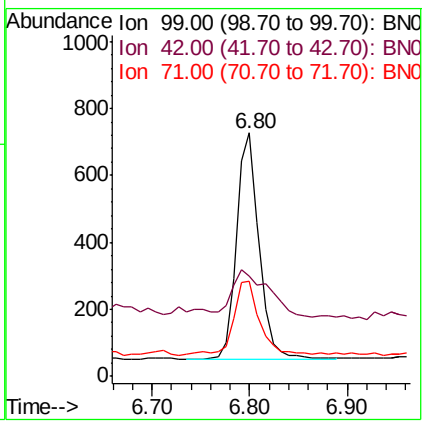


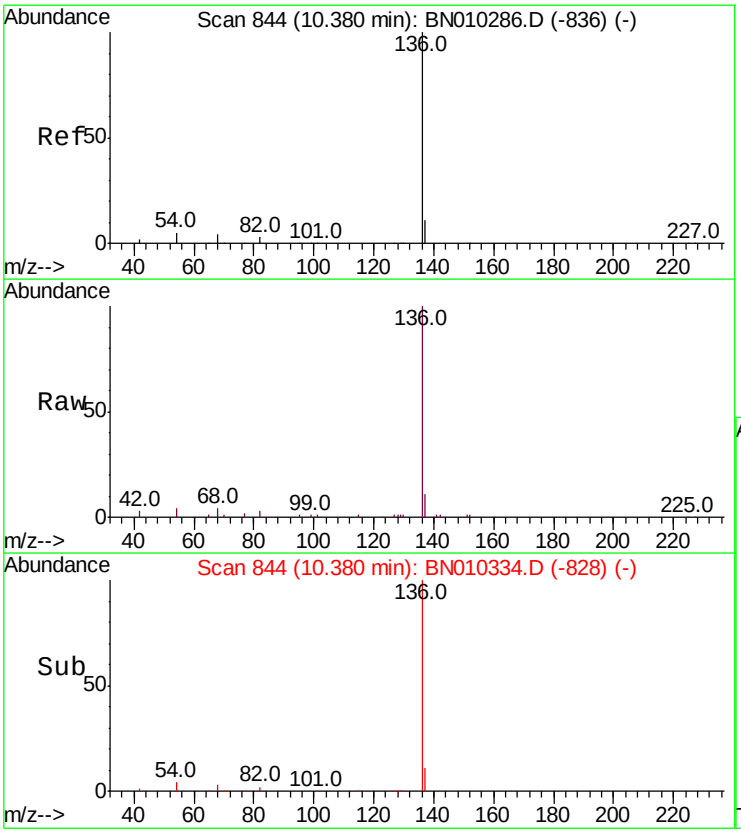

#5
Phenol-d6
Concen: 0.086 ng
RT: 6.80 min Scan# 493
Delta R.T. 0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

**Instrument :**
BNA_N
**ClientSampleId :**
RE109D2-20200316

Tgt Ion: 99 Resp: 1089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 33.5 | 14.8 | 22.2# |
| 71 | 37.3 | 27.3 | 40.9 |

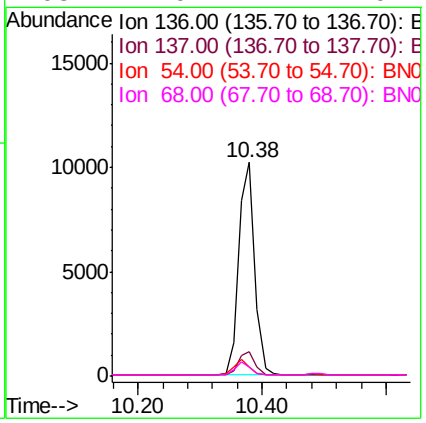


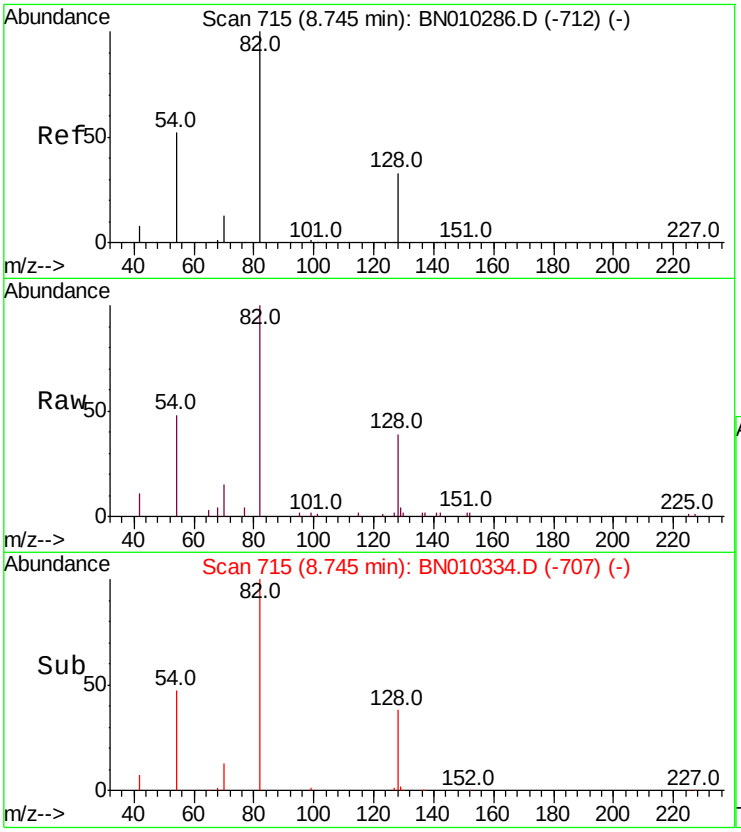




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.38 min Scan# 844
Delta R.T. 0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion:136 Resp: 18118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.5 | 9.3 | 13.9 |
| 54 | 4.4 | 4.8 | 7.2# |
| 68 | 4.0 | 4.1 | 6.1# |



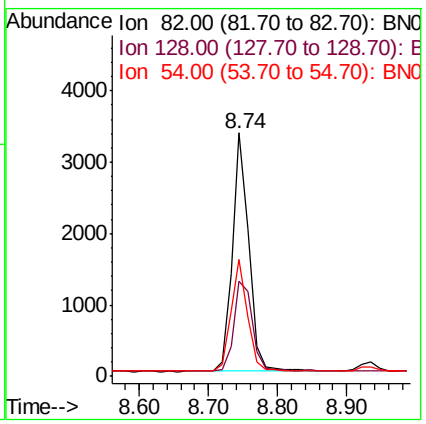


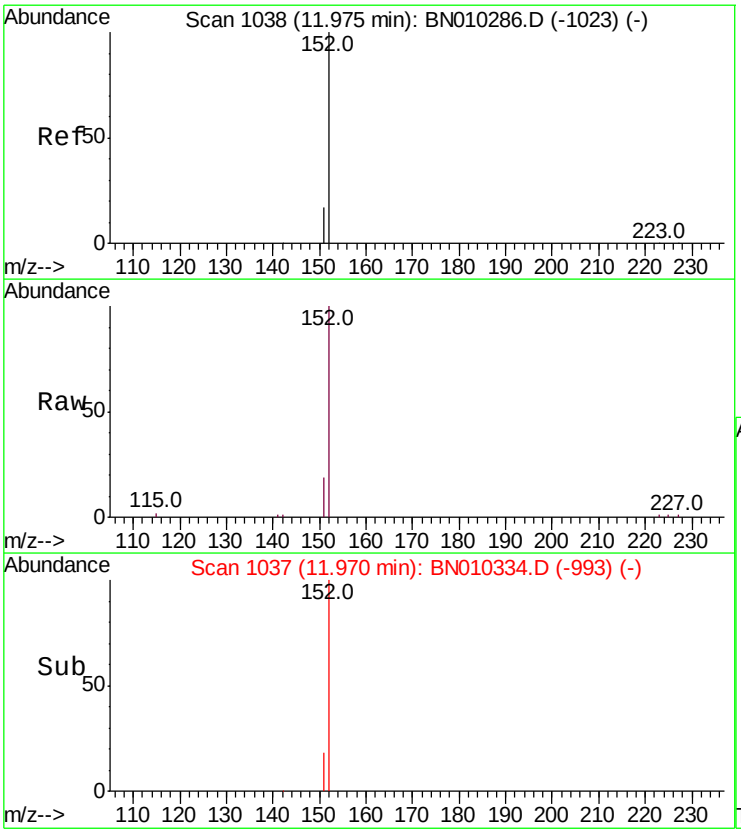

#8
Nitrobenzene-d5
Concen: 0.484 ng
RT: 8.74 min Scan# 715
Delta R.T. 0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

**Instrument :**
BNA_N
**ClientSampleId :**
RE109D2-20200316

Tgt Ion: 82 Resp: 5625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.0 | 28.8 | 43.2 |
| 54 | 47.8 | 42.1 | 63.1 |

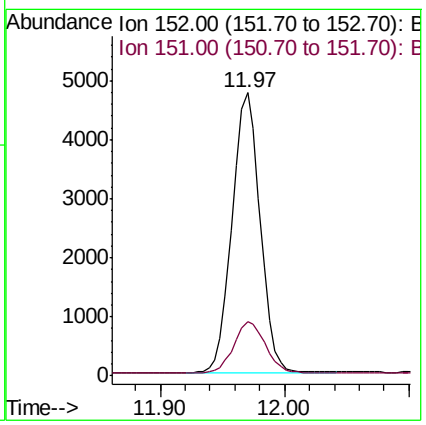


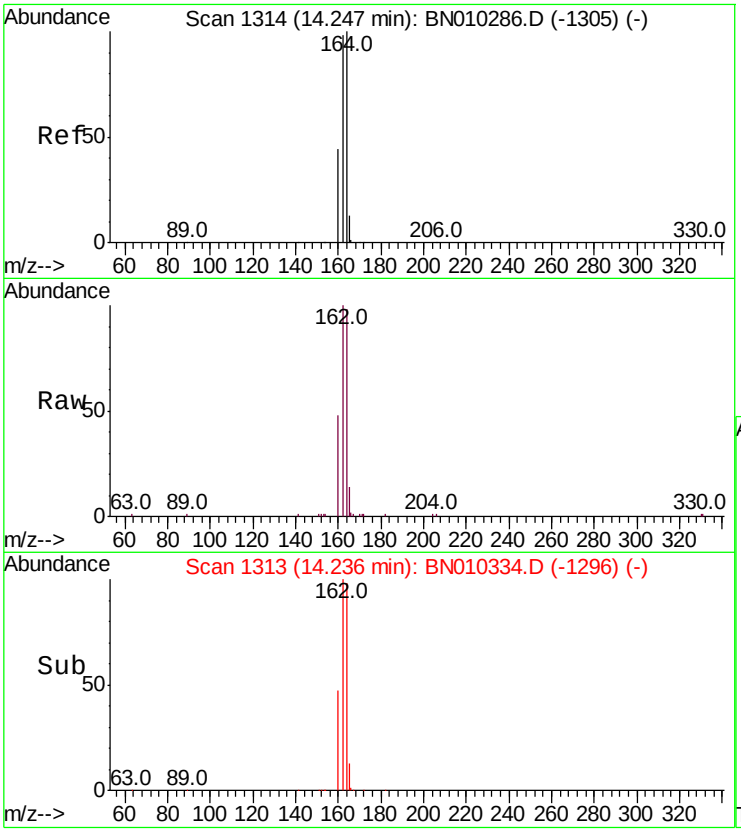




#11
2-Methylnaphthalene-d10
Concen: 0.256 ng
RT: 11.97 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion:152 Resp: 7410

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 15.4 | 23.2 |



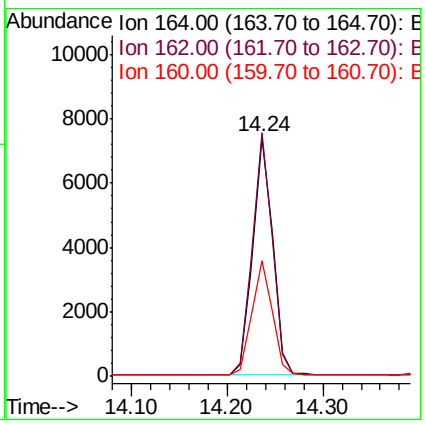


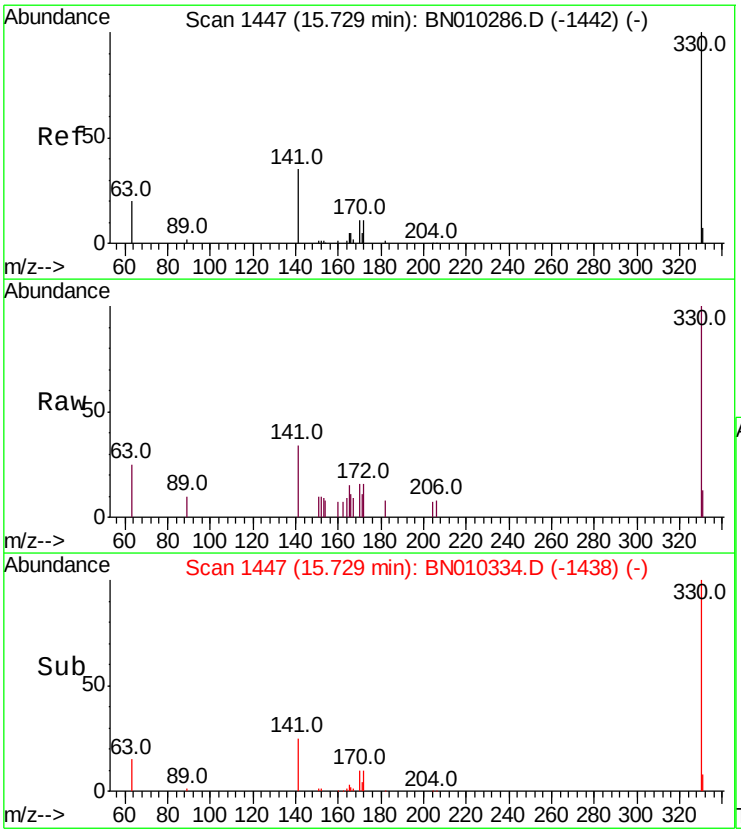

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

**Instrument :**
BNA_N
**ClientSampleId :**
RE109D2-20200316

Tgt Ion:164 Resp: 10723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.9 | 78.2 | 117.2 |
| 160 | 48.6 | 35.8 | 53.6 |

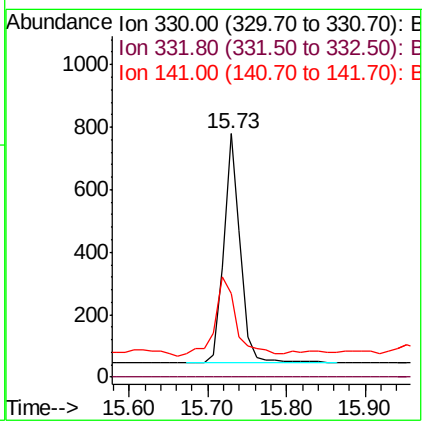


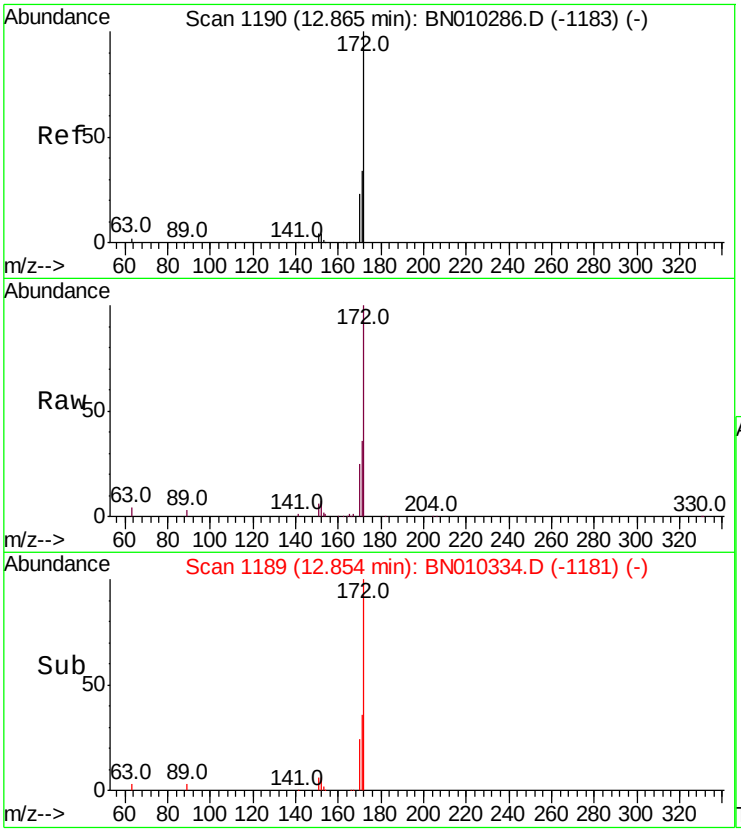




#14
2,4,6-Tribromophenol
Concen: 0.267 ng
RT: 15.73 min Scan# 1447
Delta R.T. 0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion:330 Resp: 1099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 0.0 | 0.0 | 0.0 |
| 141 | 43.6 | 29.3 | 43.9 |



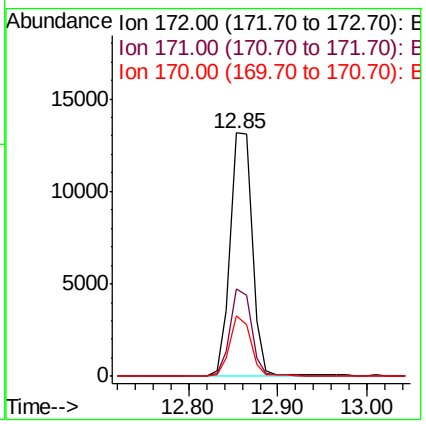


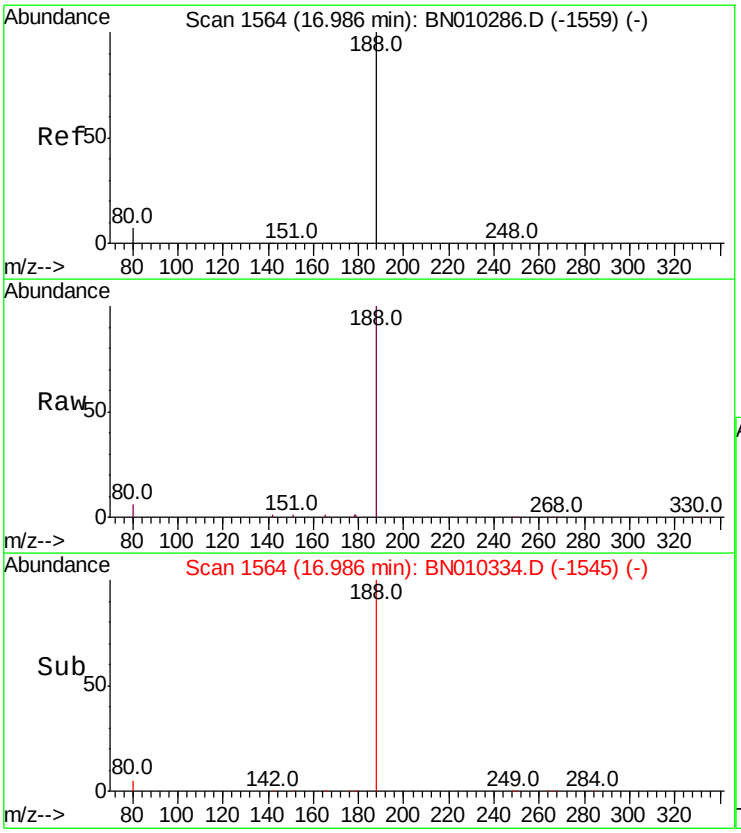

#15
2-Fluorobiphenyl
Concen: 0.543 ng
RT: 12.85 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

**Instrument :**
BNA_N
**ClientSampleId :**
RE109D2-20200316

Tgt Ion:172 Resp: 22263

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 27.6 | 41.4 |
| 170 | 24.7 | 18.5 | 27.7 |

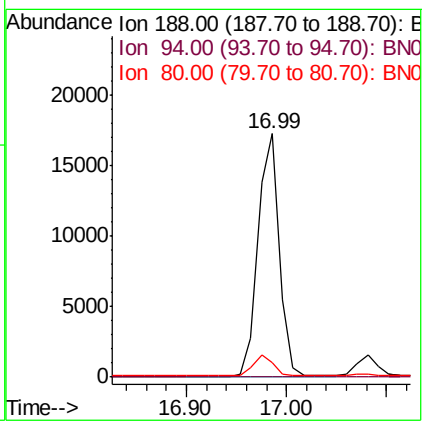


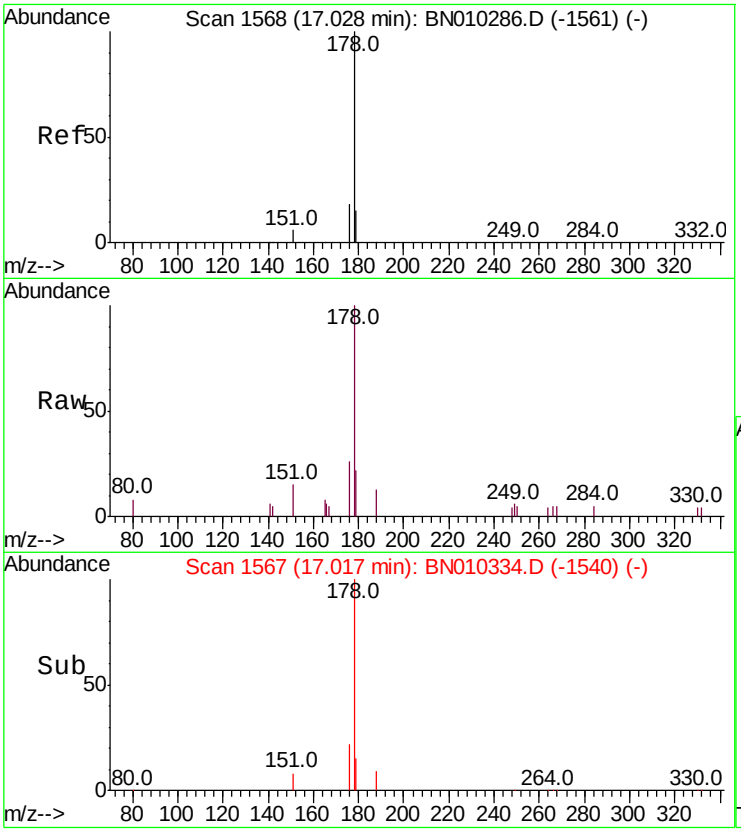




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.99 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion:188 Resp: 25623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 5.8 | 6.0 | 9.0# |



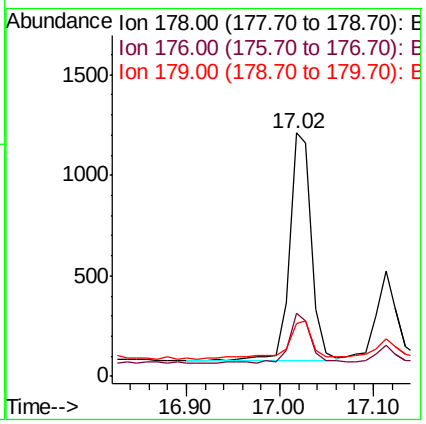


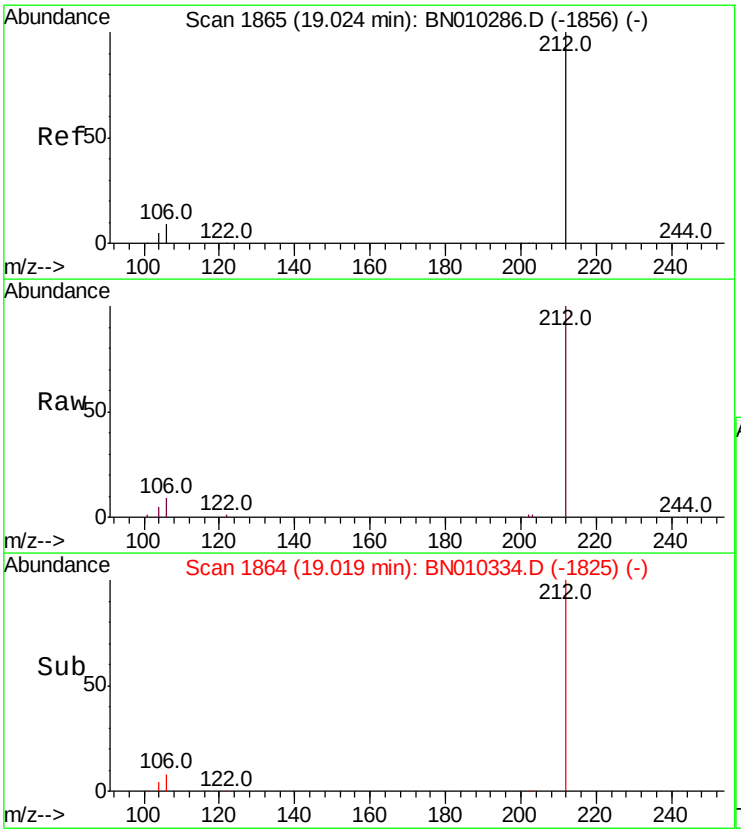

#23
Phenanthrene
Concen: 0.026 ng
RT: 17.02 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

**Instrument :**
BNA_N
**ClientSampleId :**
RE109D2-20200316

Tgt Ion:178 Resp: 1851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.2 | 15.0 | 22.4 |
| 179 | 20.1 | 12.4 | 18.6# |

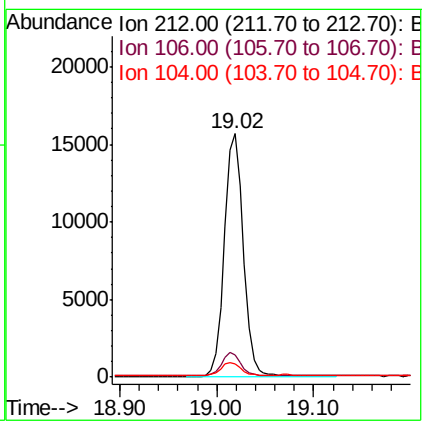


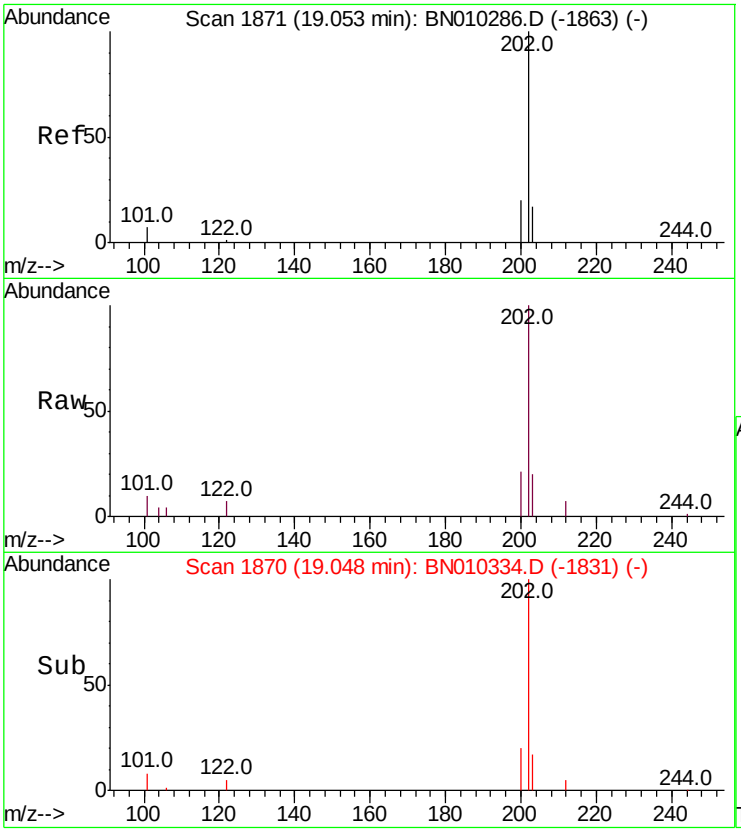




#25
Fluoranthene-d10
Concen: 0.275 ng
RT: 19.02 min Scan# 1864
Delta R.T. -0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion:212 Resp: 21222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 9.8 | 7.4 | 11.2 |
| 104 | 5.5 | 4.2 | 6.4 |



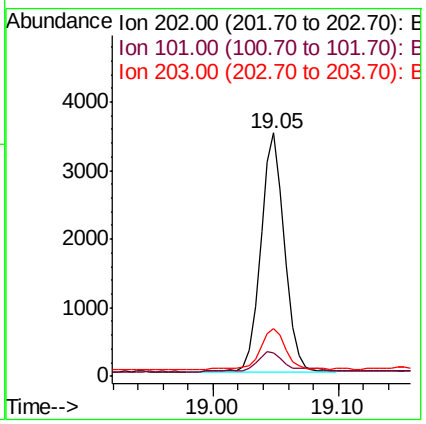


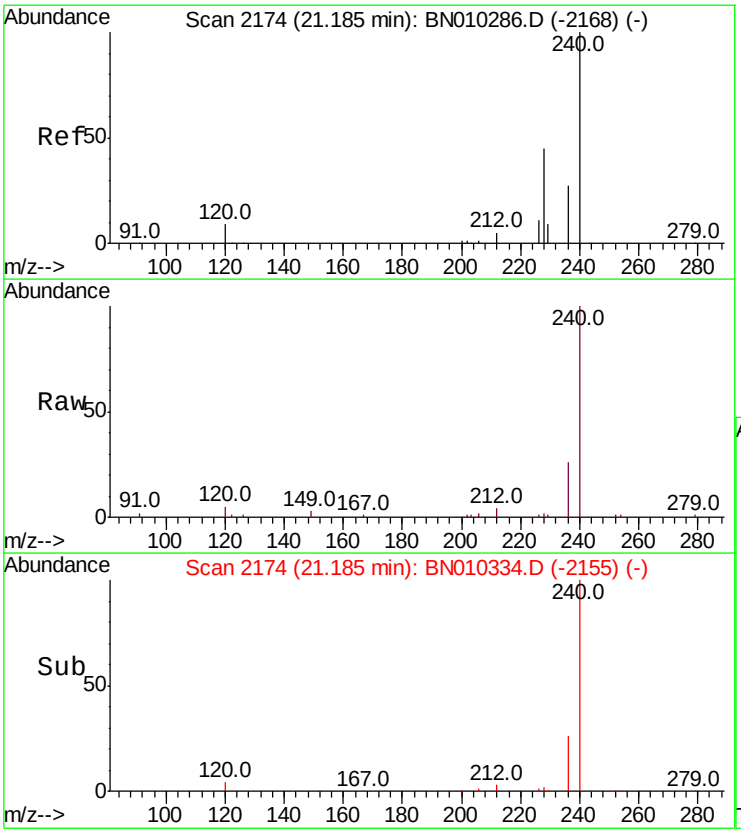

#26
Fluoranthene
Concen: 0.053 ng
RT: 19.05 min Scan# 1870
Delta R.T. -0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

**Instrument :**
BNA_N
**ClientSampleId :**
RE109D2-20200316

Tgt Ion:202 Resp: 4564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.9 | 6.6 | 9.8# |
| 203 | 17.3 | 13.8 | 20.8 |

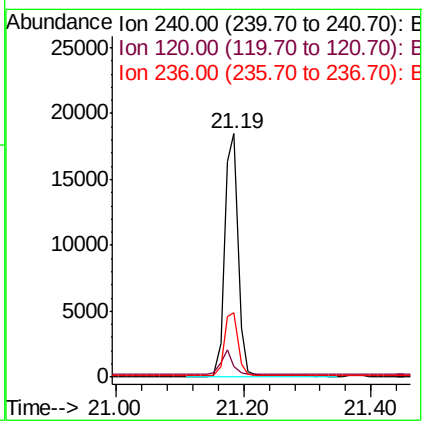


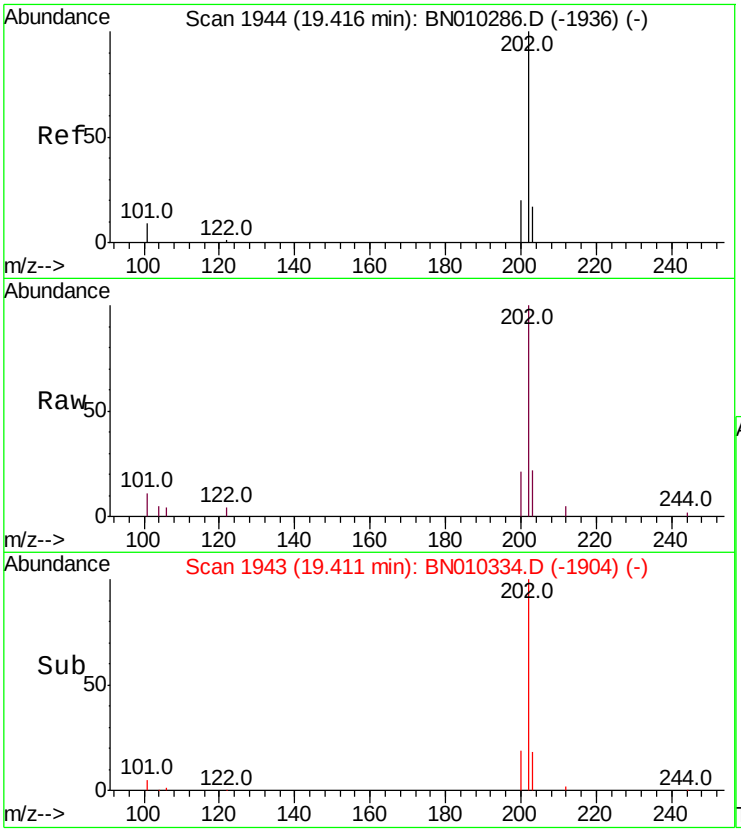




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.19 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion:240 Resp: 26712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 4.6 | 7.9 | 11.9# |
| 236 | 26.5 | 22.2 | 33.4 |



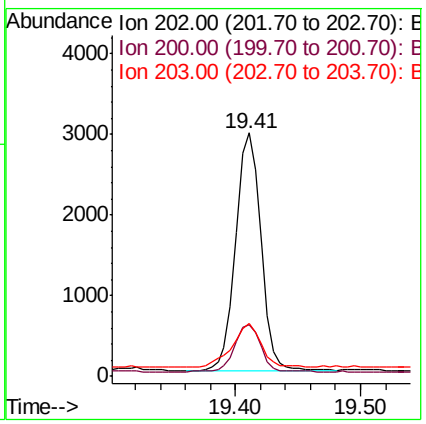


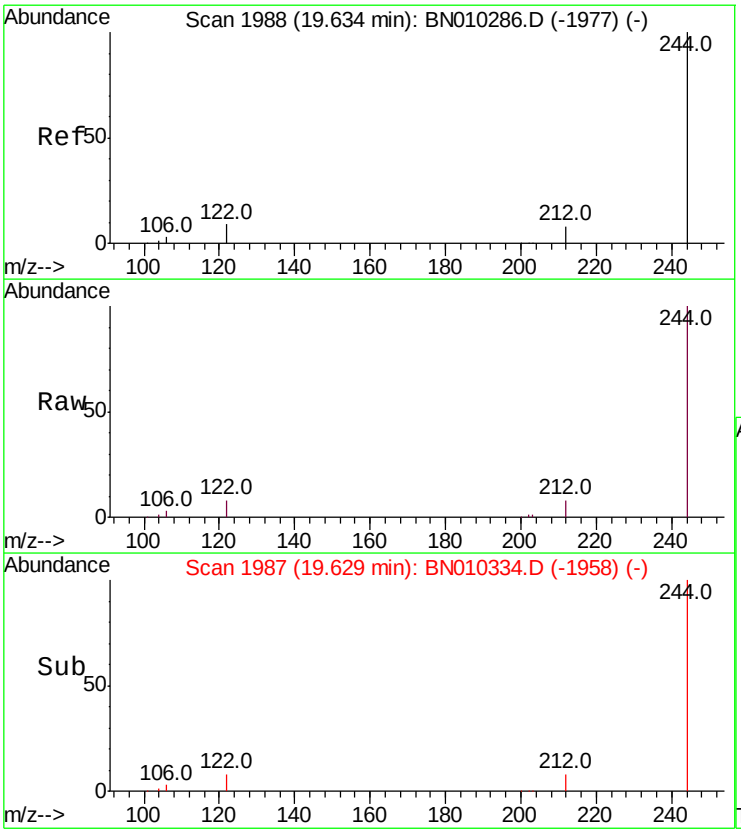

#28
Pyrene
Concen: 0.050 ng
RT: 19.41 min Scan# 1943
Delta R.T. -0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

**Instrument :**
BNA_N
**ClientSampleId :**
RE109D2-20200316

Tgt Ion:202 Resp: 4125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.6 | 16.2 | 24.4 |
| 203 | 21.0 | 14.2 | 21.2 |

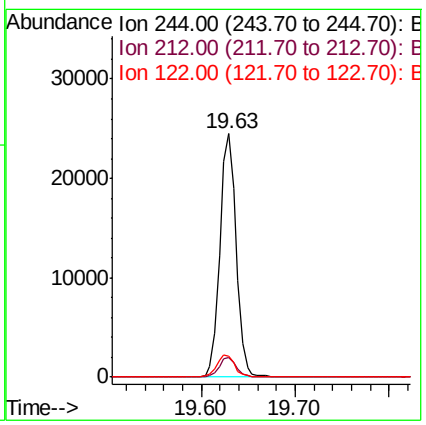


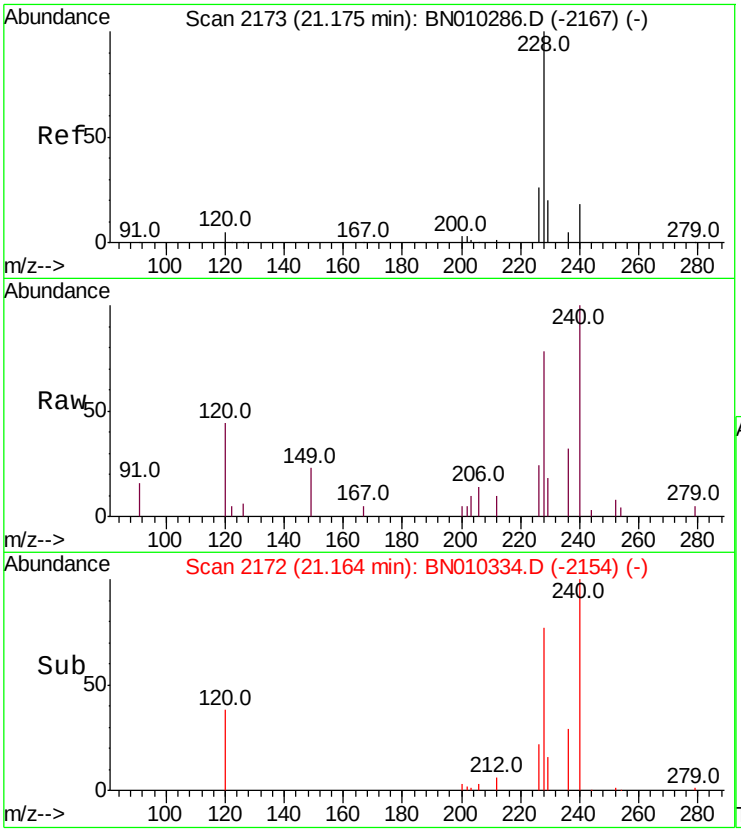




#29
Terphenyl-d14
Concen: 0.503 ng
RT: 19.63 min Scan# 1987
Delta R.T. -0.00 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion:244 Resp: 29045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.0 | 6.3 | 9.5 |
| 122 | 8.4 | 7.6 | 11.4 |



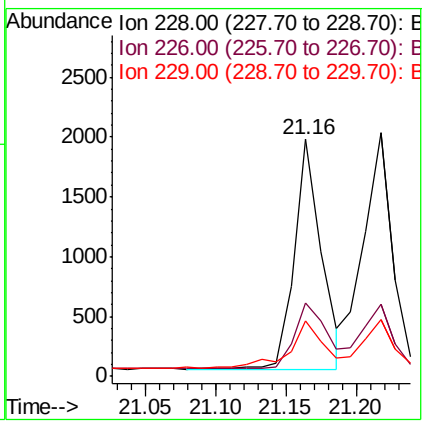


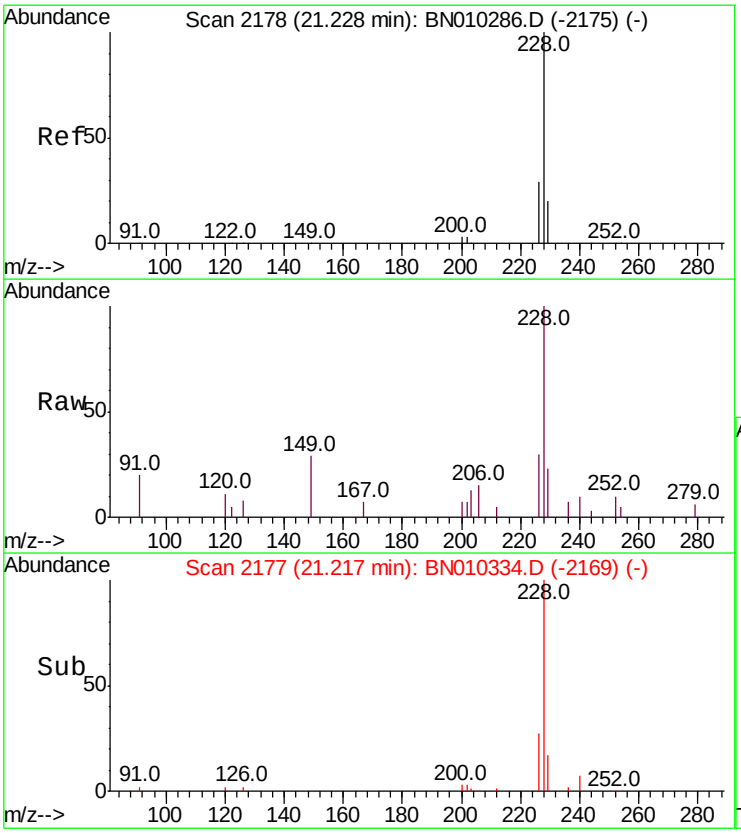

#30
Benzo(a)anthracene
Concen: 0.030 ng
RT: 21.16 min Scan# 2172
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

**Instrument :**
BNA_N
**ClientSampleId :**
RE109D2-20200316

Tgt Ion:228 Resp: 2567

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.0 | 21.0 | 31.4 |
| 229 | 23.7 | 16.0 | 24.0 |

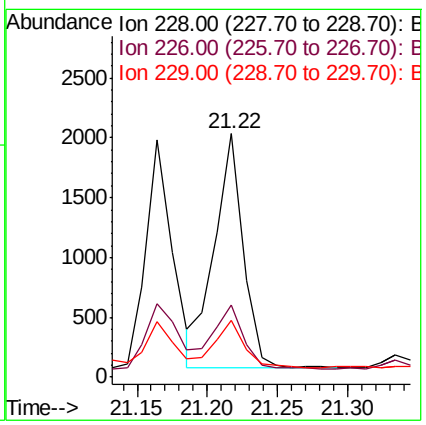


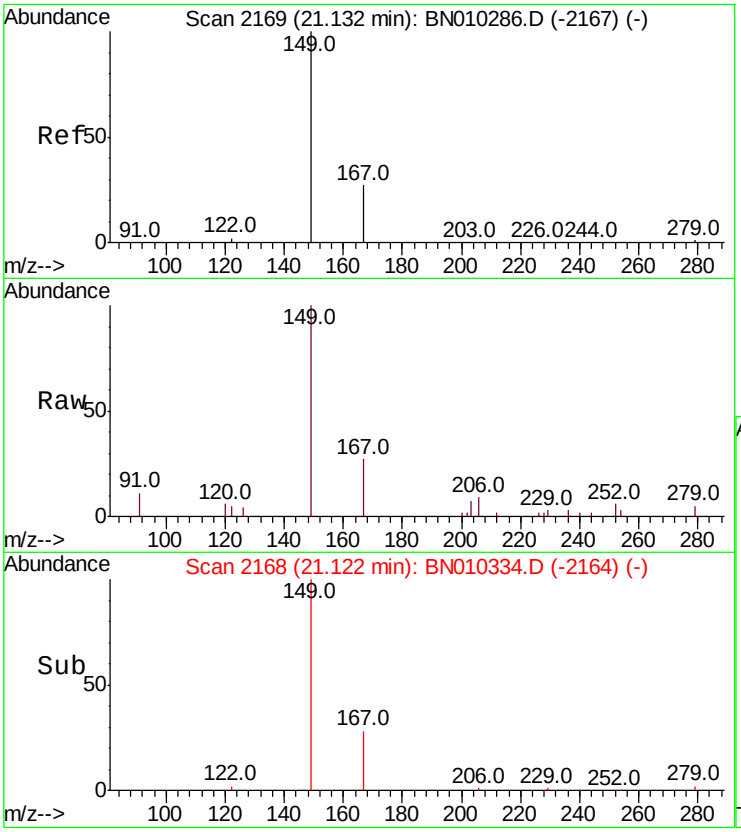




#31
Chrysene
Concen: 0.031 ng
RT: 21.22 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion:228 Resp: 2798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.7 | 23.0 | 34.6 |
| 229 | 23.5 | 16.0 | 24.0 |



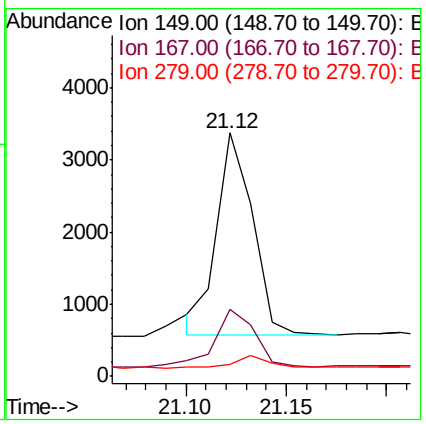


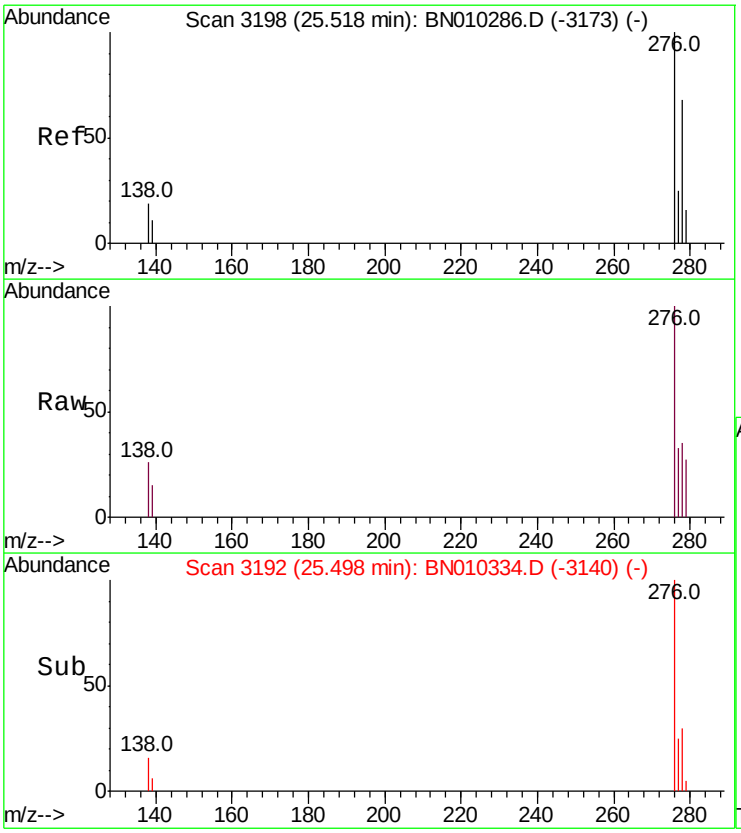

#32
Bis(2-ethylhexyl)phthalate
Concen: 0.122 ng
RT: 21.12 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

**Instrument :**
BNA_N
**ClientSampleId :**
RE109D2-20200316

Tgt Ion:149 Resp: 3494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.9 | 23.0 | 34.6 |
| 279 | 4.9 | 3.8 | 5.8 |

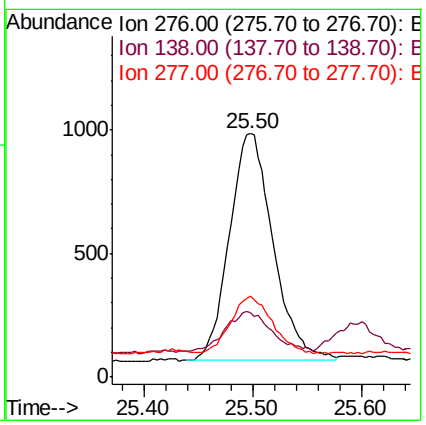


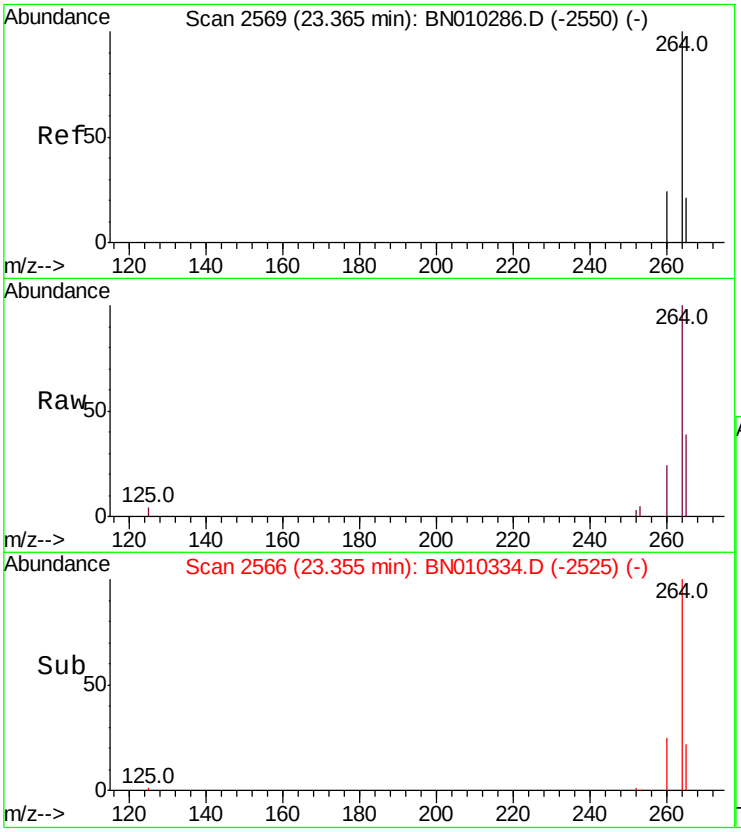




#33
Indeno(1,2,3-cd)pyrene
Concen: 0.026 ng
RT: 25.50 min Scan# 3192
Delta R.T. -0.02 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion:276 Resp: 2557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.5 | 15.6 | 23.4 |
| 277 | 23.7 | 20.1 | 30.1 |



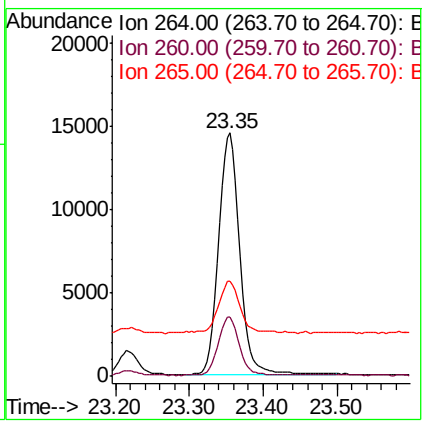


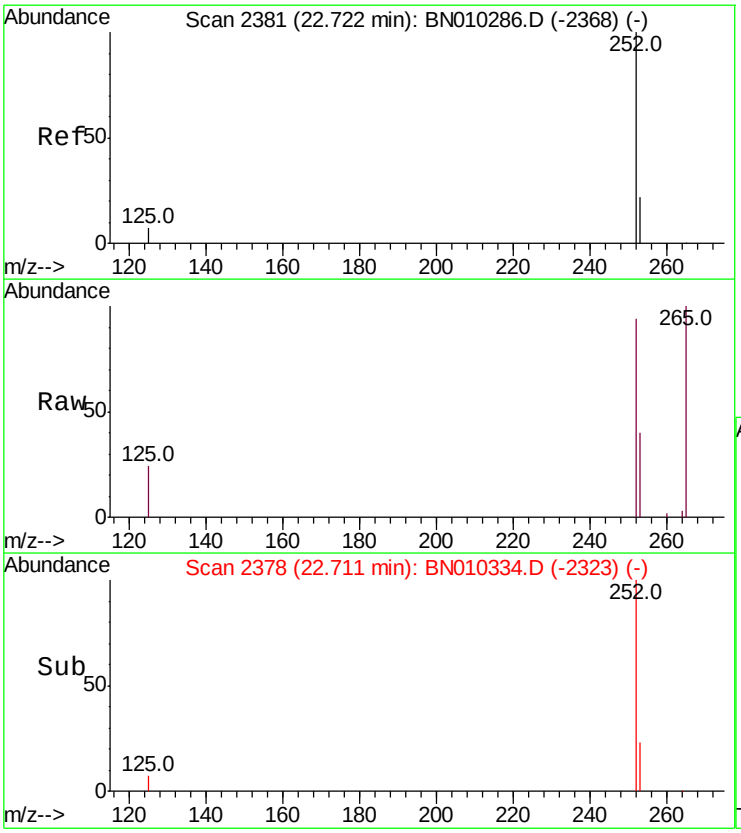

#34
Perylene-d12
Concen: 0.400 ng
RT: 23.35 min Scan# 2566
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

**Instrument :**
BNA_N
**ClientSampleId :**
RE109D2-20200316

Tgt Ion:264 Resp: 28209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.4 | 19.5 | 29.3 |
| 265 | 39.0 | 32.4 | 48.6 |

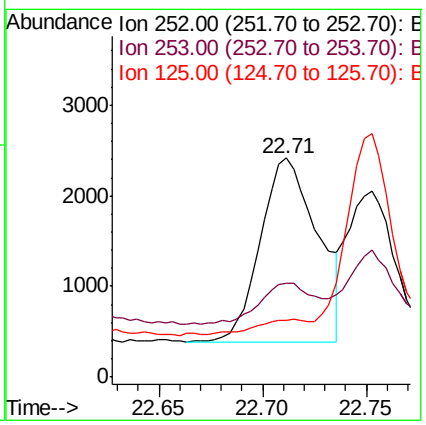


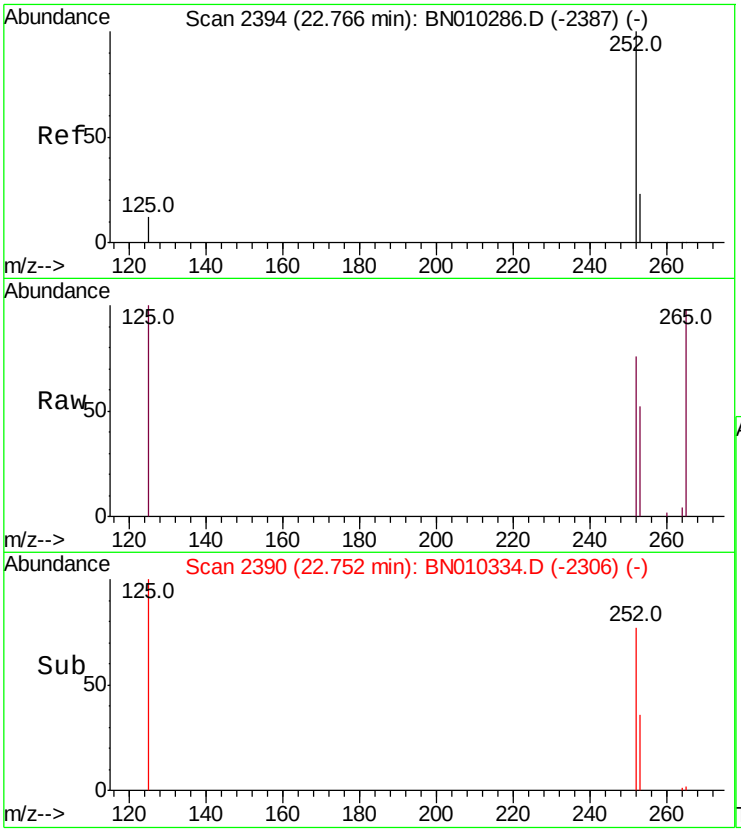




#35
Benzo(b)fluoranthene
Concen: 0.041 ng
RT: 22.71 min Scan# 2378
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion:252 Resp: 3886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 43.0 | 19.2 | 28.8# |
| 125 | 25.7 | 7.4 | 11.0# |



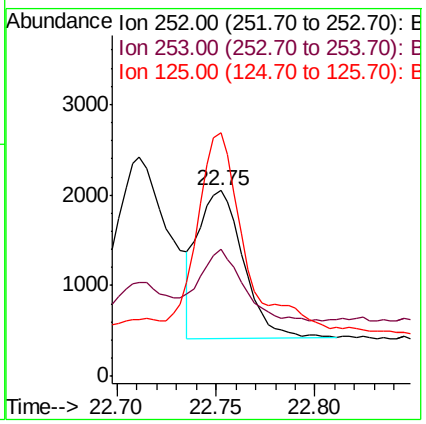


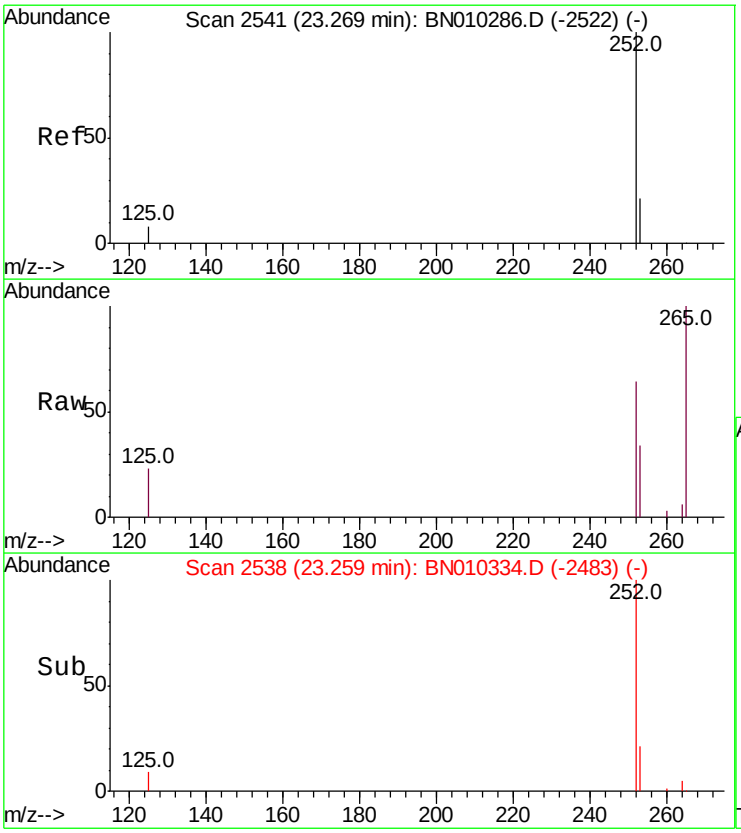

#36
Benzo(k)fluoranthene
Concen: 0.027 ng
RT: 22.75 min Scan# 2390
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

**Instrument :**
BNA_N
**ClientSampleId :**
RE109D2-20200316

Tgt Ion:252 Resp: 2611

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 68.3 | 19.4 | 29.0# |
| 125 | 131.3 | 10.2 | 15.2# |

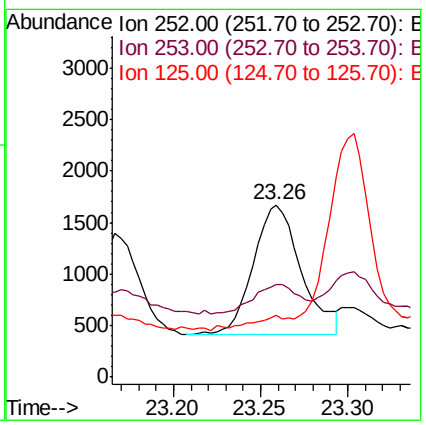


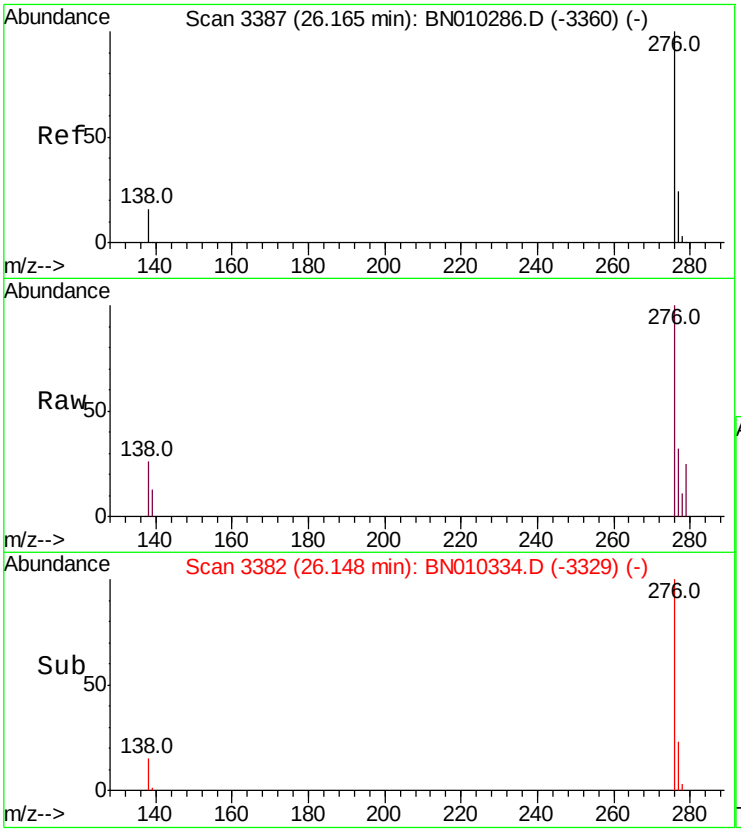




#37
Benzo(a)pyrene
Concen: 0.029 ng
RT: 23.26 min Scan# 2538
Delta R.T. -0.01 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

Tgt Ion:252 Resp: 2381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 53.9 | 19.9 | 29.9# |
| 125 | 35.6 | 8.9 | 13.3# |






#39
Benzo(g,h,i)perylene
Concen: 0.025 ng
RT: 26.15 min Scan# 3382
Delta R.T. -0.02 min
Lab File: BN010334.D
Acq: 24 Mar 2020 19:51

**Instrument :**
BNA_N
**ClientSampleId :**
RE109D2-20200316

Tgt Ion:276 Resp: 2233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 32.1 | 19.6 | 29.4# |
| 138 | 26.5 | 13.3 | 19.9# |