Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012420\
Data File : BN009438.D
Acq On : 24 Jan 2020 12:27
Operator : CG/JU
Sample : L1225-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** PF-5MS

Quant Time: Jan 24 14:29:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 14 09:33:55 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.47 | 152 | 2219 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.22 | 136 | 7859 | 0.40 | ng | | -0.01 |
| 13) Acenaphthene-d10 | 14.09 | 164 | 4830 | 0.40 | ng | | -0.02 |
| 19) Phenanthrene-d10 | 16.85 | 188 | 9999 | 0.40 | ng | | -0.02 |
| 27) Chrysene-d12 | 21.06 | 240 | 8024 | 0.40 | ng | | -0.01 |
| 34) Perylene-d12 | 23.18 | 264 | 9662 | 0.40 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.12 | 112 | 1500 | 0.29 | ng | | 0.00 |
| 5) Phenol-d6 | 6.66 | 99 | 2042 | 0.35 | ng | | -0.02 |
| 8) Nitrobenzene-d5 | 8.61 | 82 | 1773 | 0.28 | ng | | -0.03 |
| 11) 2-Methylnaphthalene-d10 | 11.81 | 152 | 3529 | 0.23 | ng | | -0.02 |
| 14) 2,4,6-Tribromophenol | 15.61 | 330 | 489 | 0.27 | ng | | -0.02 |
| 15) 2-Fluorobiphenyl | 12.71 | 172 | 4810 | 0.27 | ng | | -0.02 |
| 25) Fluoranthene-d10 | 18.89 | 212 | 6144 | 0.18 | ng | | -0.01 |
| 29) Terphenyl-d14 | 19.51 | 244 | 4602 | 0.24 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.13 | 88 | 1121 | 0.484 | ng | # | 78 |
| 3) n-Nitrosodimethylamine | 3.43 | 42 | 1253 | 0.351 | ng | # | 89 |
| 6) bis(2-Chloroethyl)ether | 6.91 | 93 | 1893 | 0.311 | ng | | 92 |
| 9) Naphthalene | 10.27 | 128 | 6138 | 0.289 | ng | | 99 |
| 10) Hexachlorobutadiene | 10.56 | 225 | 1226 | 0.263 | ng | # | 97 |
| 12) 2-Methylnaphthalene | 11.89 | 142 | 4403 | 0.297 | ng | | 100 |
| 16) Acenaphthylene | 13.81 | 152 | 6079 | 0.292 | ng | | 100 |
| 17) Acenaphthene | 14.16 | 154 | 4060 | 0.277 | ng | | 99 |
| 18) Fluorene | 15.15 | 166 | 5250 | 0.275 | ng | | 99 |
| 20) 4-Bromophenyl-phenylether | 16.05 | 248 | 1714 | 0.285 | ng | # | 93 |
| 21) Hexachlorobenzene | 16.17 | 284 | 1699 | 0.265 | ng | | 98 |
| 22) Pentachlorophenol | 16.53 | 266 | 291 | 0.274 | ng | | 97 |
| 23) Phenanthrene | 16.89 | 178 | 8423 | 0.280 | ng | | 99 |
| 24) Anthracene | 16.99 | 178 | 7175 | 0.284 | ng | | 99 |
| 26) Fluoranthene | 18.92 | 202 | 9291 | 0.264 | ng | | 99 |
| 28) Pyrene | 19.28 | 202 | 9821 | 0.323 | ng | | 99 |
| 30) Benzo(a)anthracene | 21.05 | 228 | 7858 | 0.298 | ng | | 98 |
| 31) Chrysene | 21.09 | 228 | 8400 | 0.278 | ng | | 98 |
| 32) Bis(2-ethylhexyl)phthalate | 20.99 | 149 | 5044 | 0.432 | ng | | 99 |
| 33) Indeno(1,2,3-cd)pyrene | 25.24 | 276 | 10227 | 0.326 | ng | | 97 |
| 35) Benzo(b)fluoranthene | 22.55 | 252 | 8407 | 0.237 | ng | | 98 |
| 36) Benzo(k)fluoranthene | 22.60 | 252 | 8834 | 0.225 | ng | | 96 |
| 37) Benzo(a)pyrene | 23.09 | 252 | 8231 | 0.263 | ng | | 97 |
| 38) Dibenzo(a,h)anthracene | 25.25 | 278 | 8116 | 0.258 | ng | | 97 |
| 39) Benzo(g,h,i)perylene | 25.87 | 276 | 9155 | 0.264 | ng | | 99 |

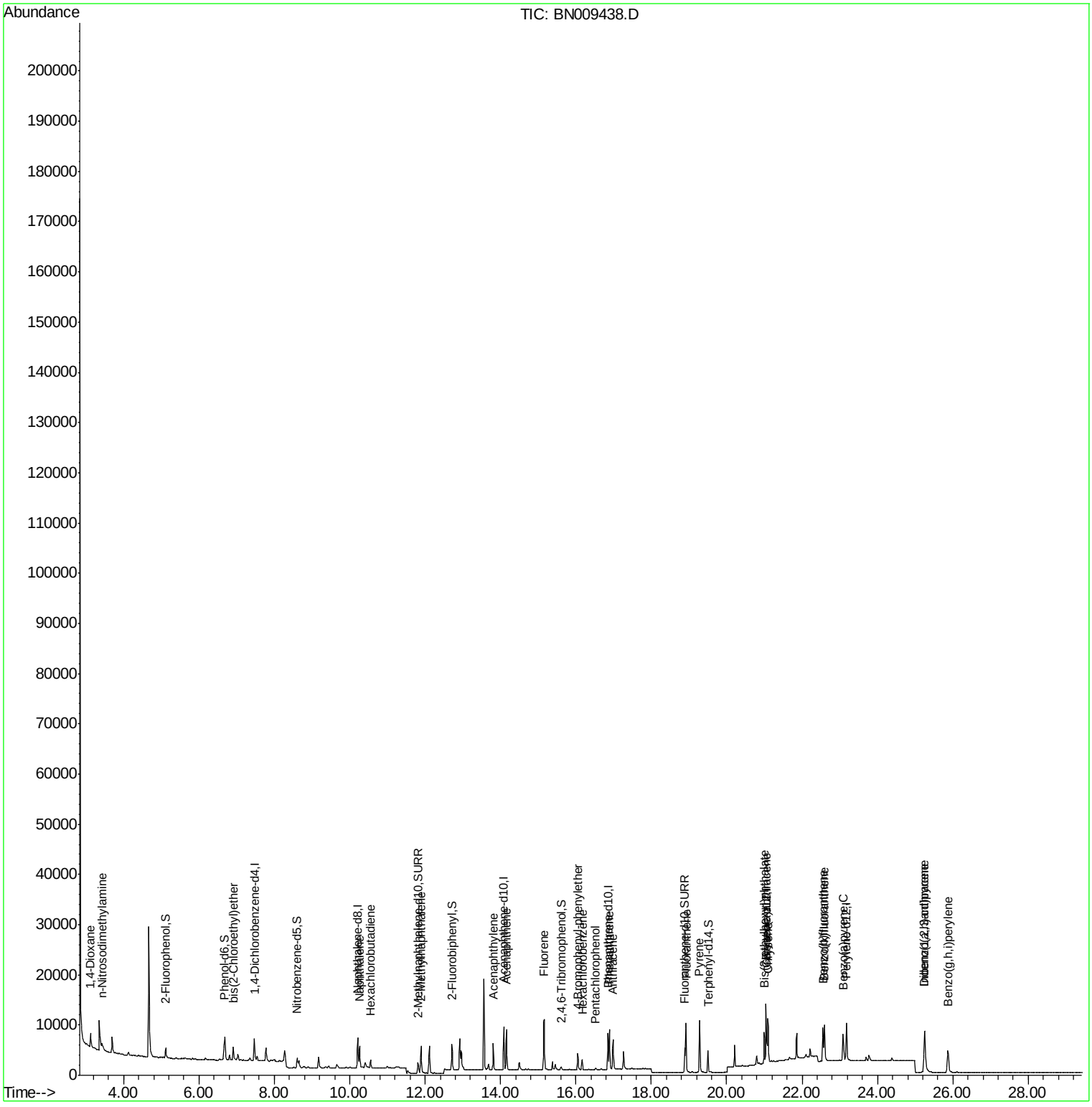
(#) = qualifier out of range (m) = manual integration (+) = signals summed

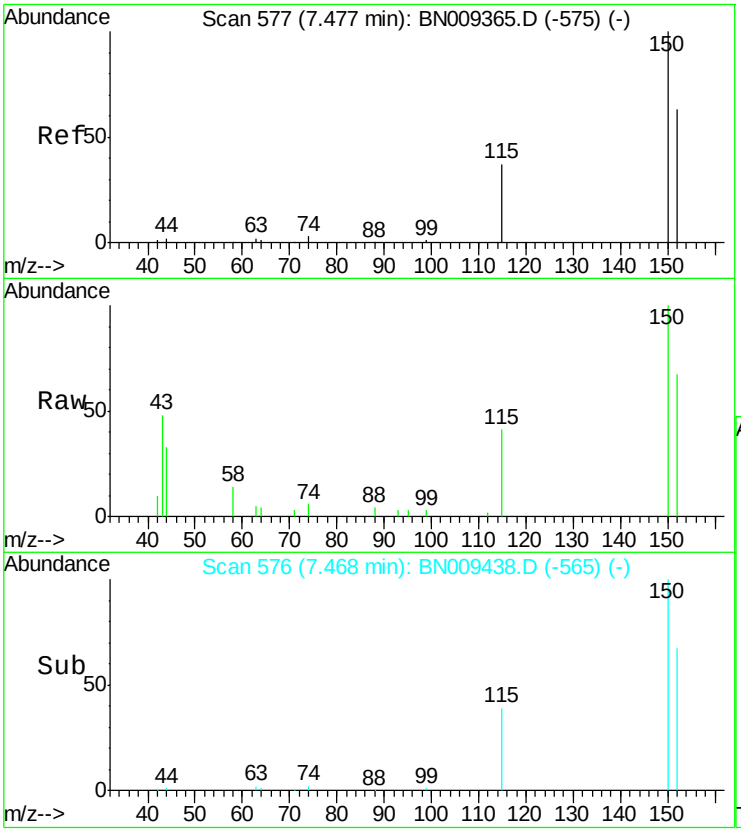
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012420\
Data File : BN009438.D
Acq On : 24 Jan 2020 12:27
Operator : CG/JU
Sample : L1225-01MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Quant Time: Jan 24 14:29:12 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN011420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 14 09:33:55 2020
Response via : Initial Calibration



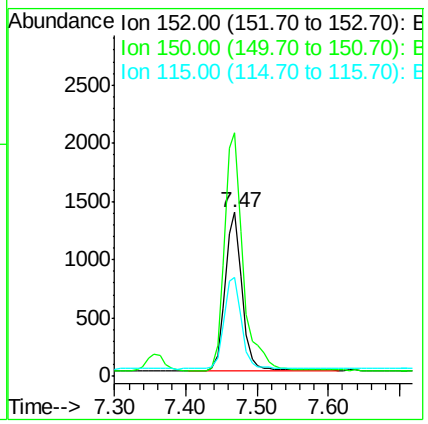


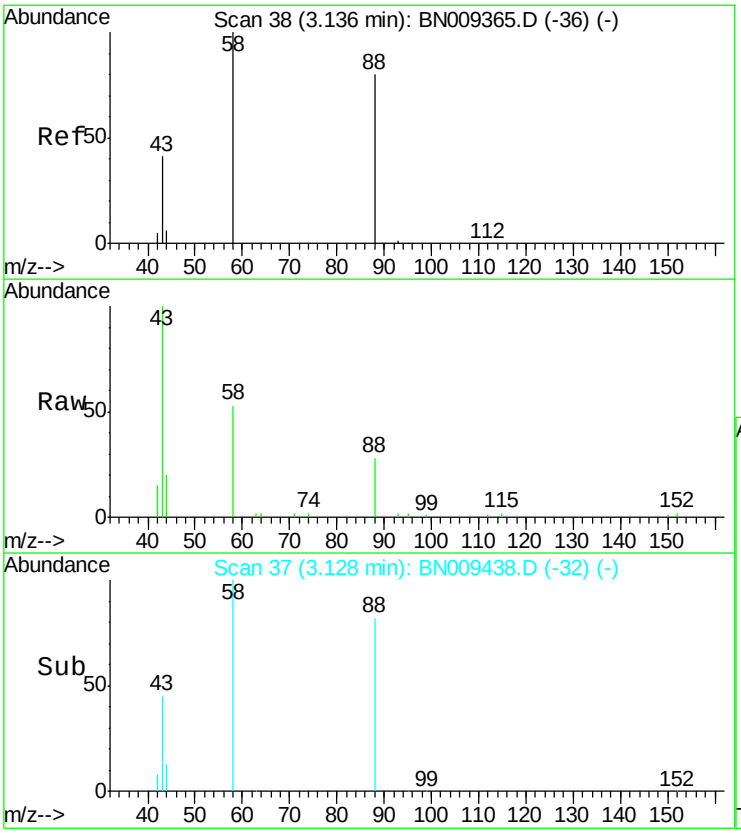

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion:152 Resp: 2219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 148.6 | 125.7 | 188.5 |
| 115 | 60.2 | 53.3 | 79.9 |

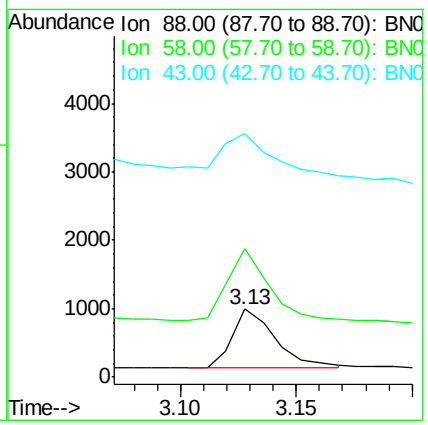


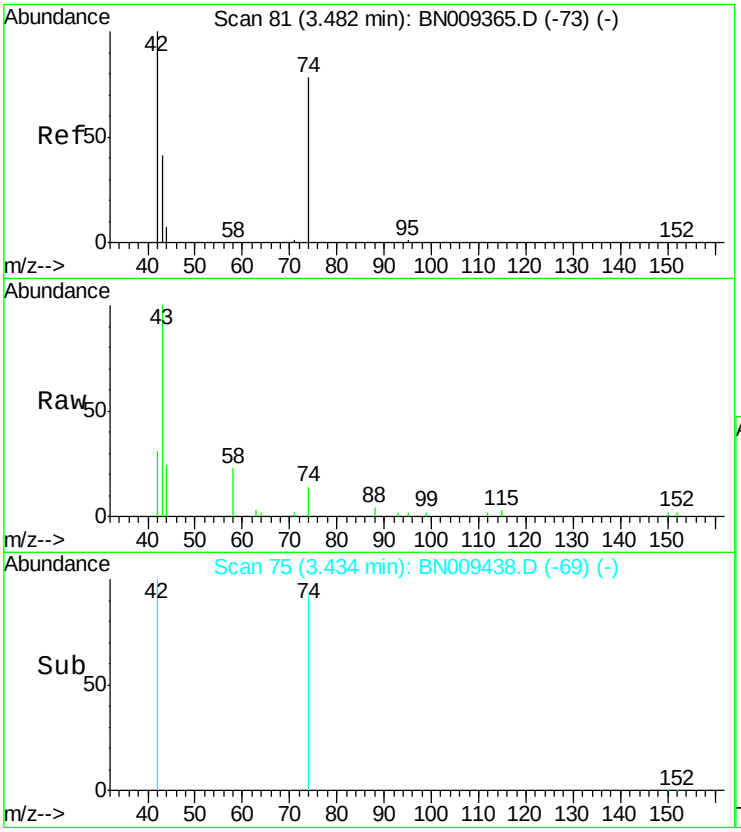




#2
1,4-Dioxane
Concen: 0.484 ng
RT: 3.13 min Scan# 37
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion: 88 Resp: 1121

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 113.2 | 100.2 | 150.2 |
| 43 | 87.7 | 43.1 | 64.7# |



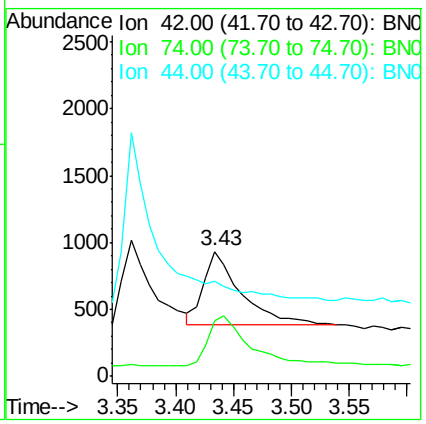


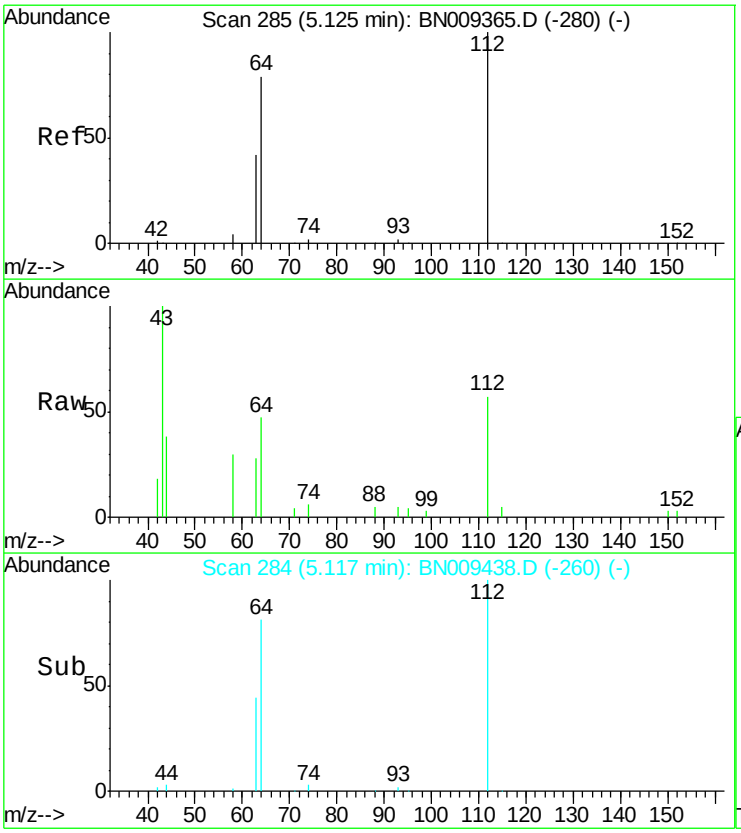

#3
n-Nitrosodimethylamine
Concen: 0.351 ng
RT: 3.43 min Scan# 75
Delta R.T. -0.05 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion: 42 Resp: 1253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 74.5 | 55.8 | 83.8 |
| 44 | 0.0 | 11.1 | 16.7# |

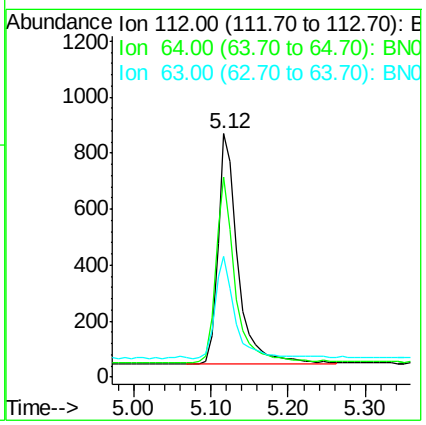


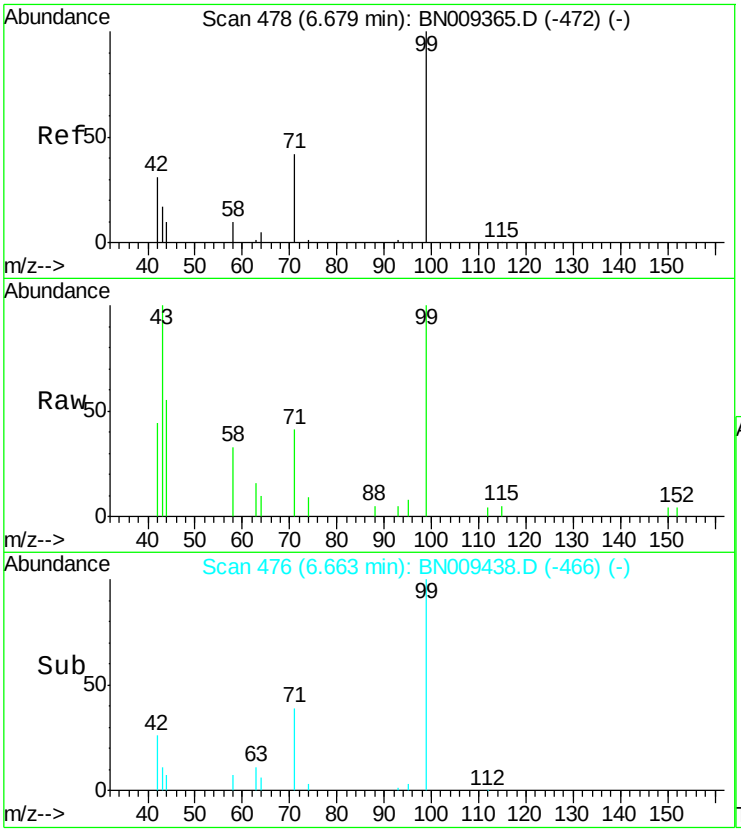




#4
2-Fluorophenol
Concen: 0.294 ng
RT: 5.12 min Scan# 284
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion:112 Resp: 1500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 77.5 | 61.5 | 92.3 |
| 63 | 42.9 | 35.0 | 52.4 |



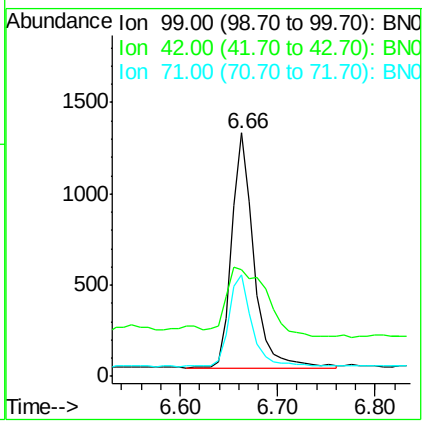


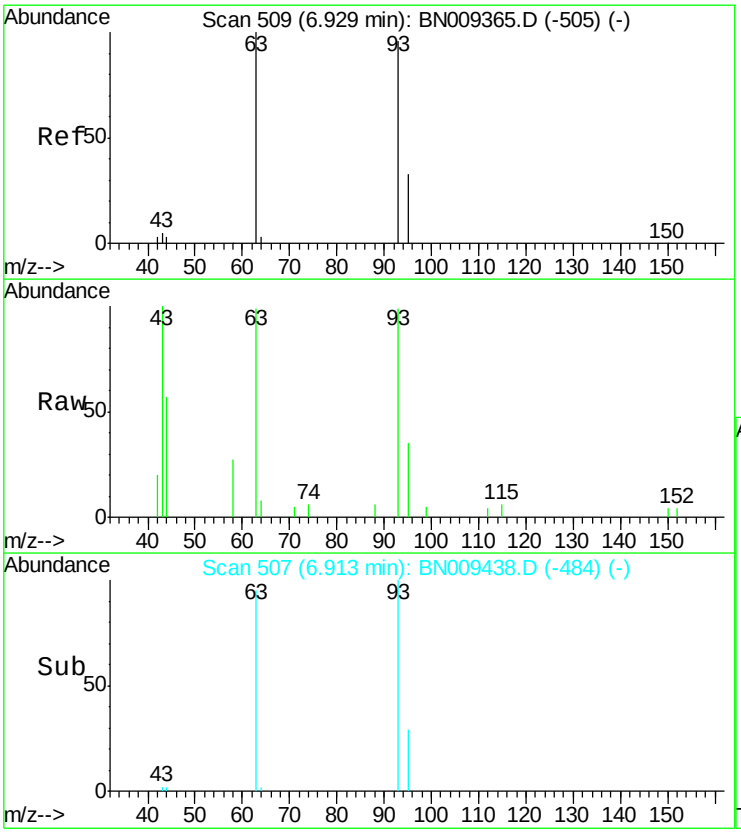

#5
Phenol-d6
Concen: 0.345 ng
RT: 6.66 min Scan# 476
Delta R.T. -0.02 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion: 99 Resp: 2042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 53.3 | 27.6 | 41.4# |
| 71 | 40.8 | 33.0 | 49.6 |

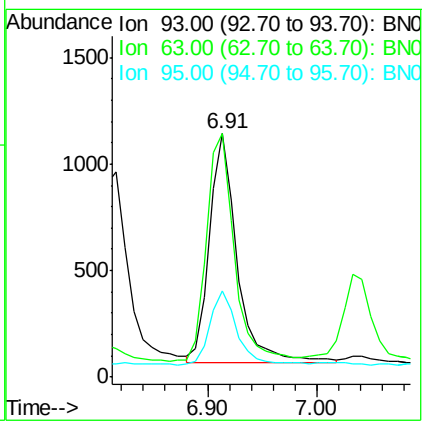


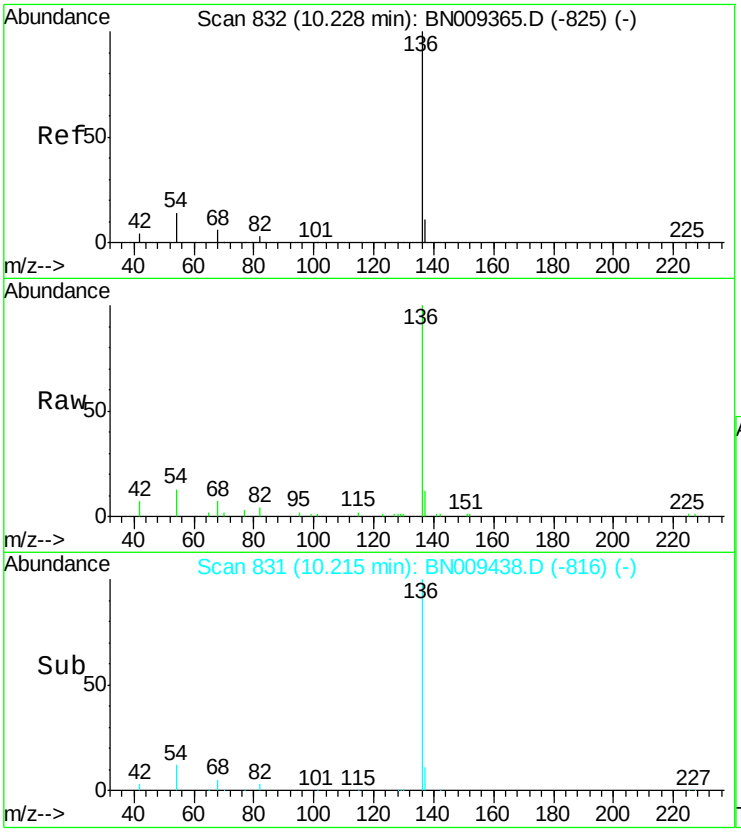




#6
bis(2-Chloroethyl)ether
Concen: 0.311 ng
RT: 6.91 min Scan# 507
Delta R.T. -0.02 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion: 93 Resp: 1893

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 99.0 | 85.1 | 127.7 |
| 95 | 31.4 | 30.2 | 45.4 |



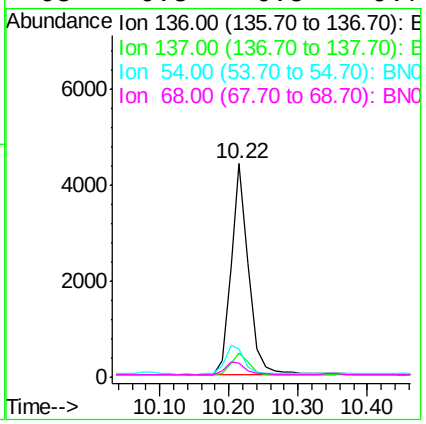


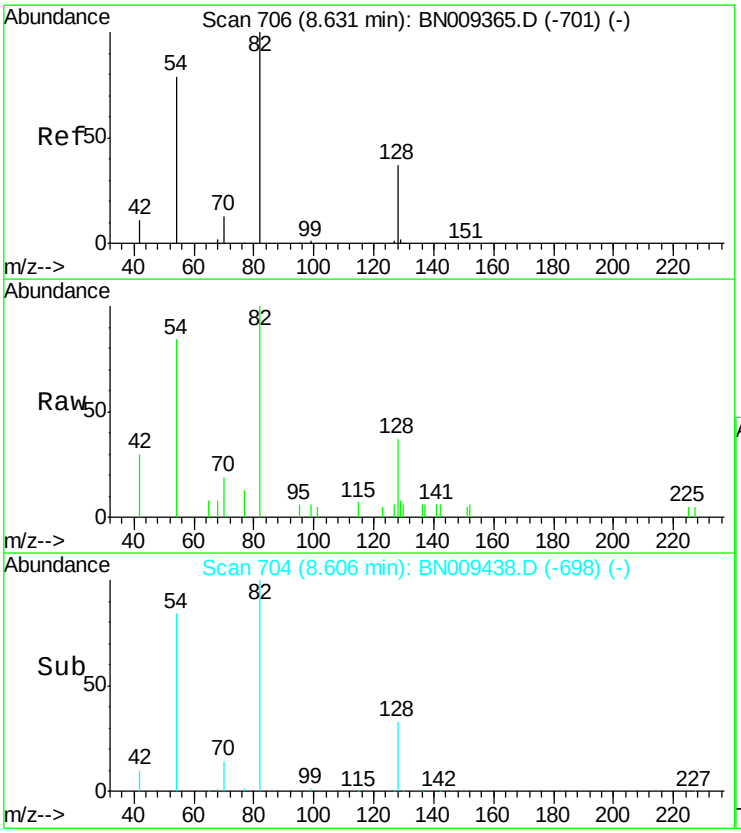

#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.22 min Scan# 831
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion:136 Resp: 7859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.7 | 10.3 | 15.5 |
| 54 | 13.2 | 12.6 | 19.0 |
| 68 | 6.8 | 6.5 | 9.7 |

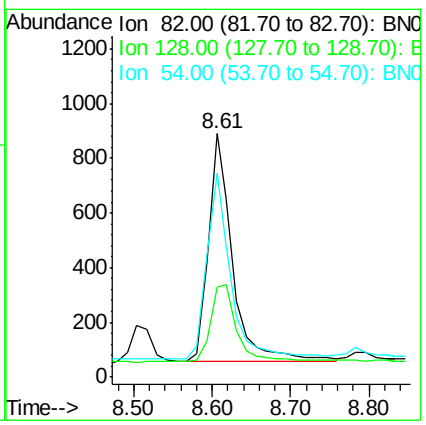


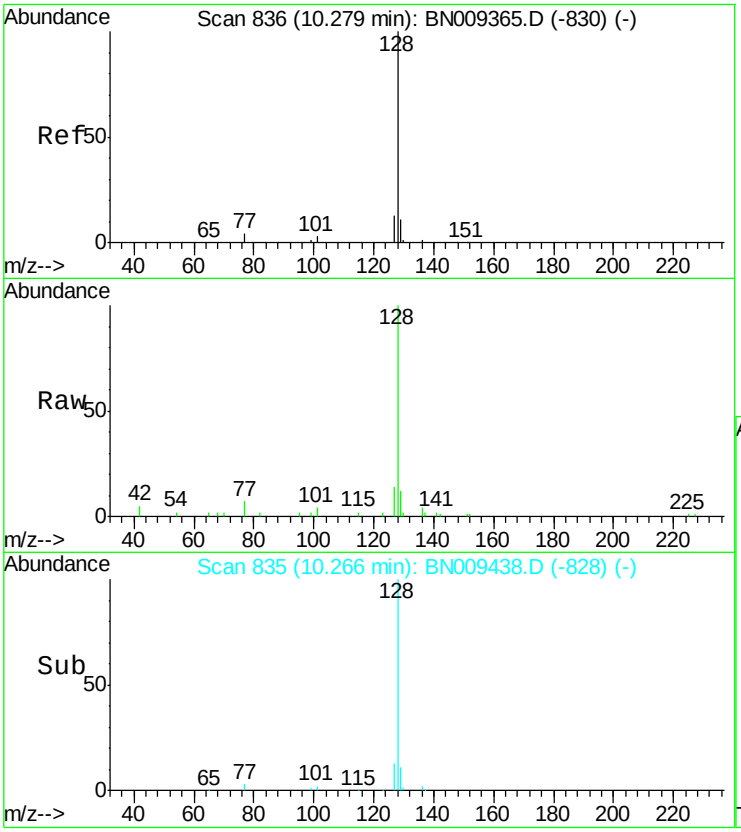




#8
Nitrobenzene-d5
Concen: 0.283 ng
RT: 8.61 min Scan# 704
Delta R.T. -0.03 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion: 82 Resp: 1773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 37.1 | 34.8 | 52.2 |
| 54 | 83.9 | 65.8 | 98.6 |



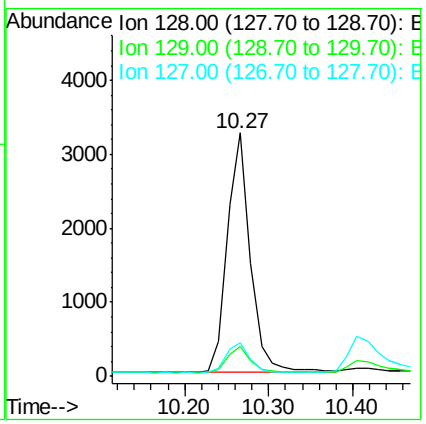


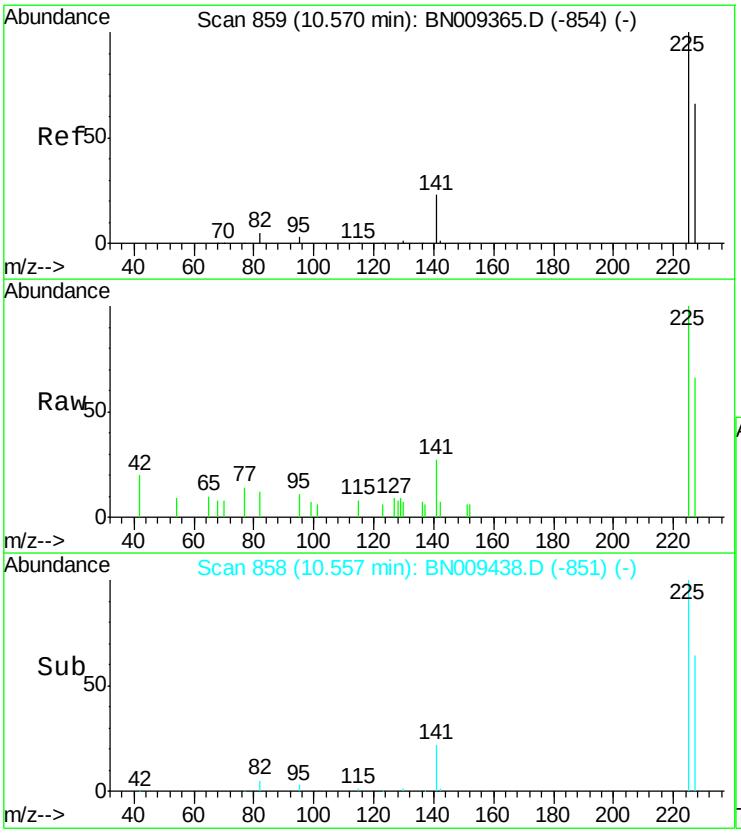

#9
Naphthalene
Concen: 0.289 ng
RT: 10.27 min Scan# 835
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion:128 Resp: 6138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.4 | 10.4 | 15.6 |
| 127 | 14.0 | 11.4 | 17.2 |

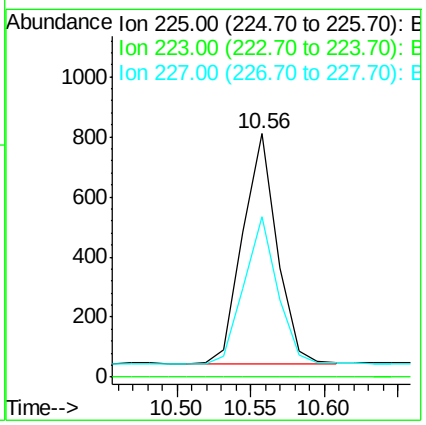


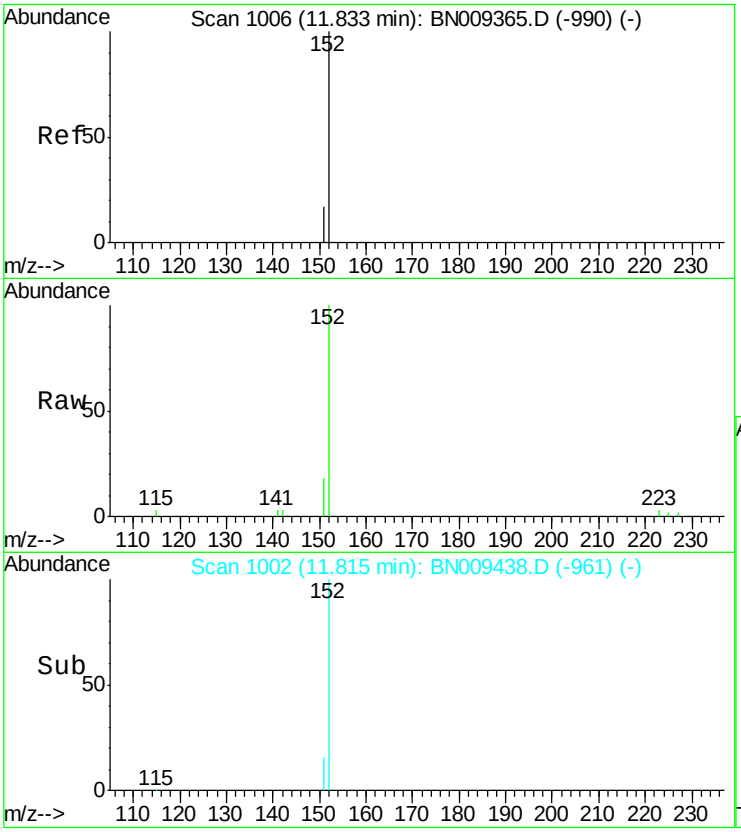




#10
Hexachlorobutadiene
Concen: 0.263 ng
RT: 10.56 min Scan# 858
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion:225 Resp: 1226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 0.0 | 0.0 | 0.0 |
| 227 | 63.1 | 52.6 | 78.8 |



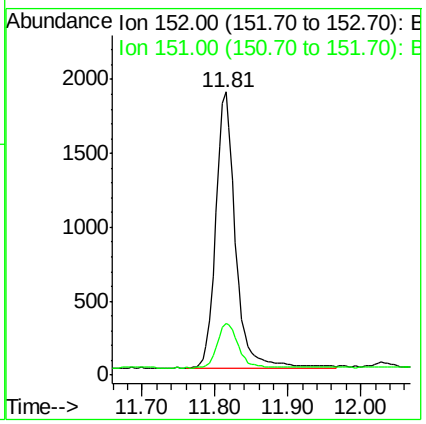


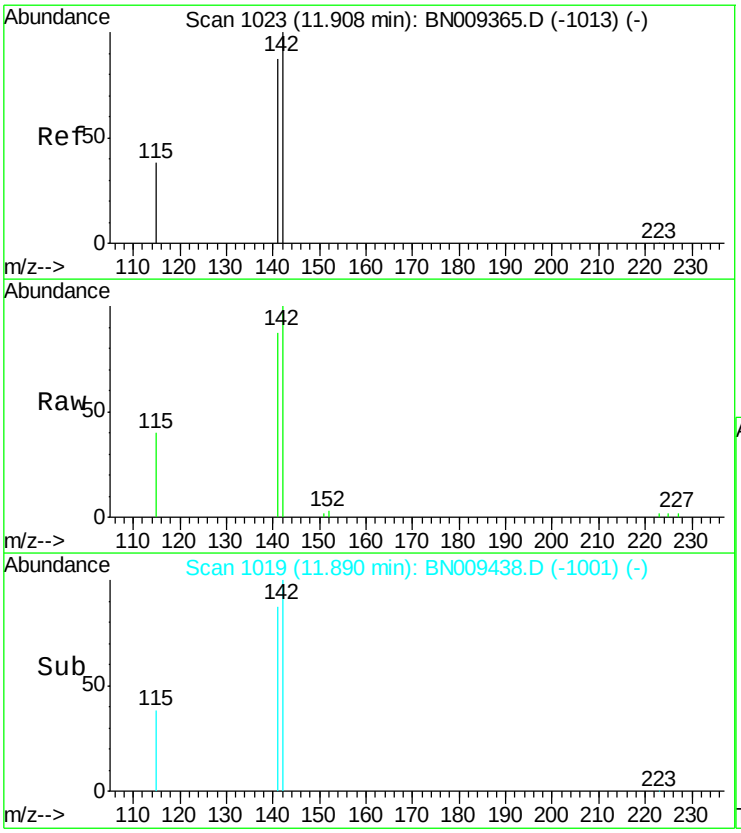

#11
2-Methylnaphthalene-d10
Concen: 0.232 ng
RT: 11.81 min Scan# 1002
Delta R.T. -0.02 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion:152 Resp: 3529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 16.9 | 14.8 | 22.2 |

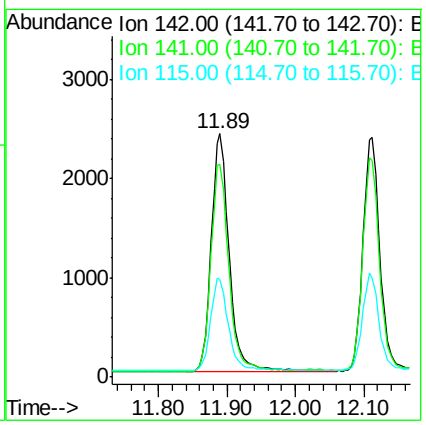


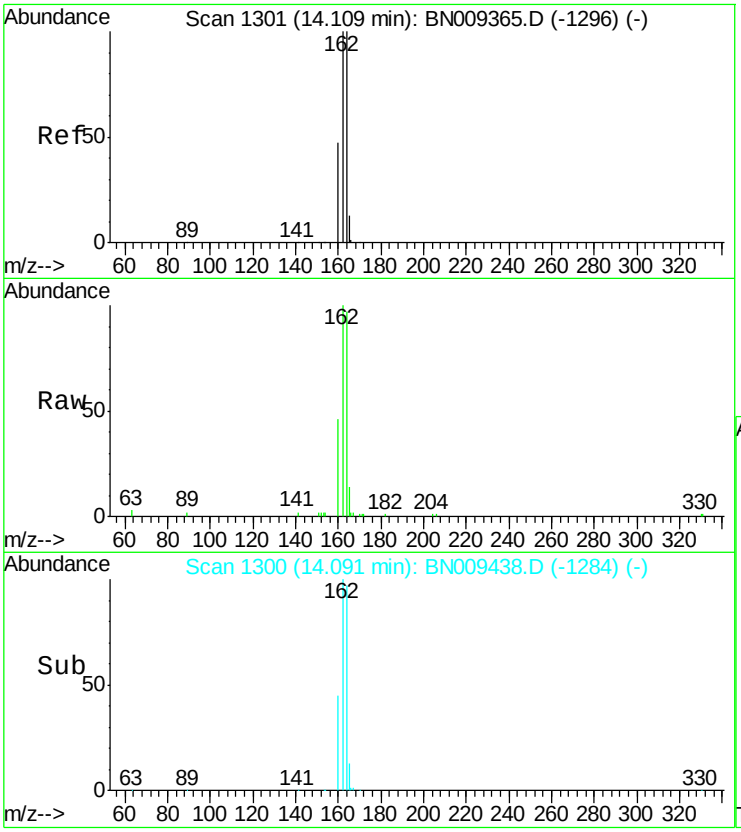




#12
2-Methylnaphthalene
Concen: 0.297 ng
RT: 11.89 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion:142 Resp: 4403

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.3 | 69.8 | 104.6 |
| 115 | 40.2 | 32.5 | 48.7 |



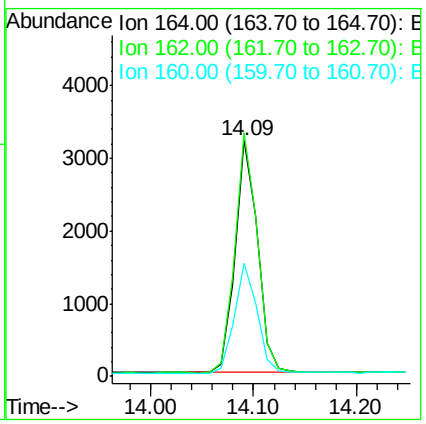


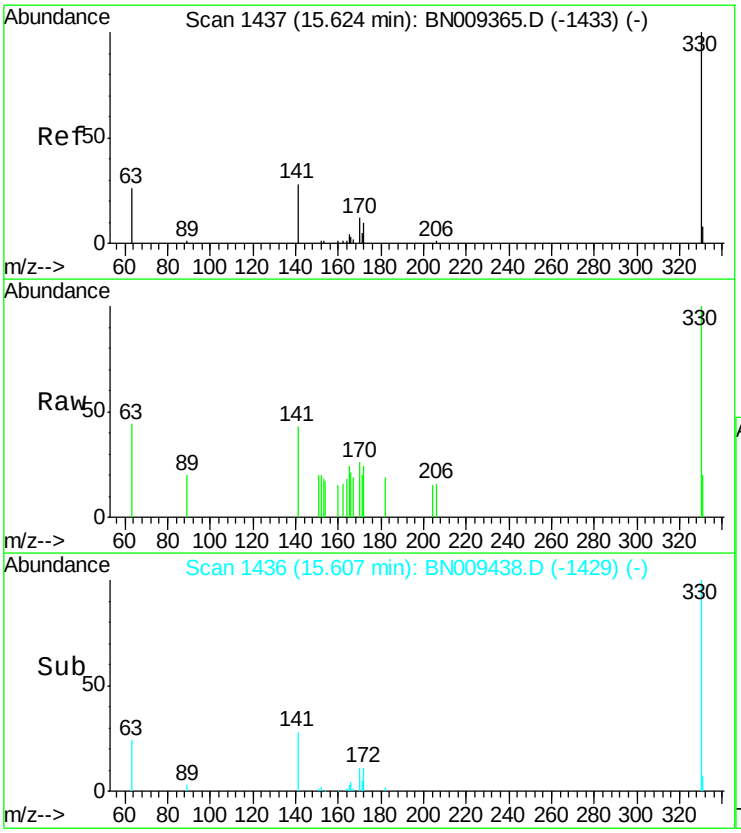

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.09 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion:164 Resp: 4830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.4 | 79.8 | 119.6 |
| 160 | 47.8 | 38.4 | 57.6 |

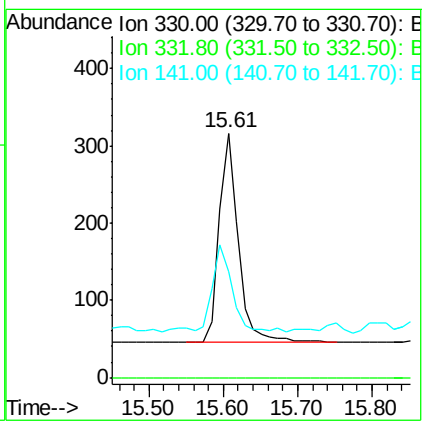


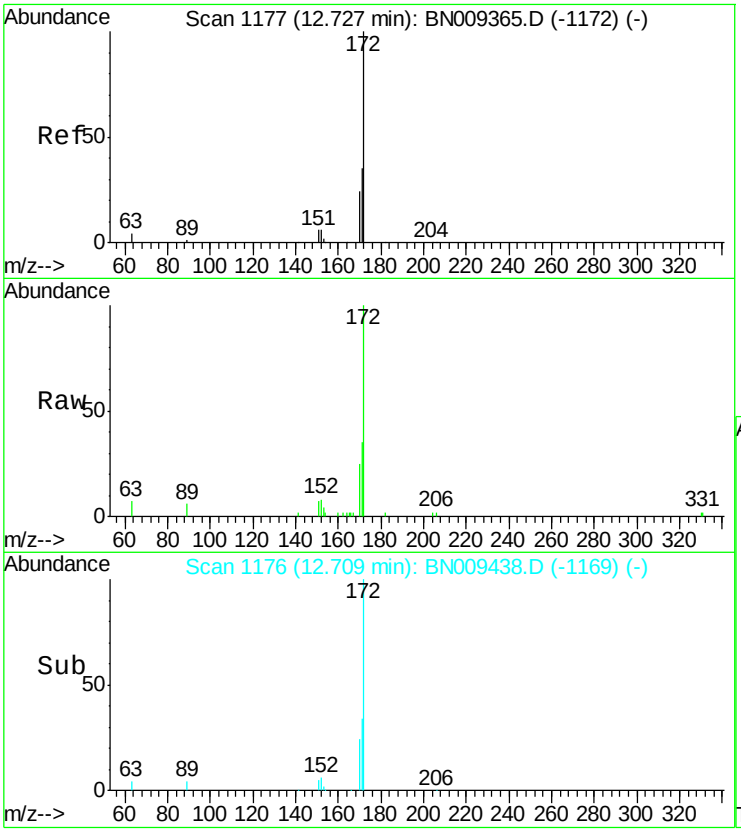




#14
2,4,6-Tribromophenol
Concen: 0.268 ng
RT: 15.61 min Scan# 1436
Delta R.T. -0.02 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion:330 Resp: 489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 0.0 | 0.0 | 0.0 |
| 141 | 40.3 | 33.1 | 49.7 |



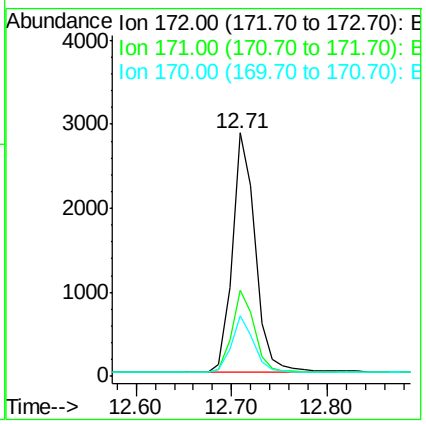


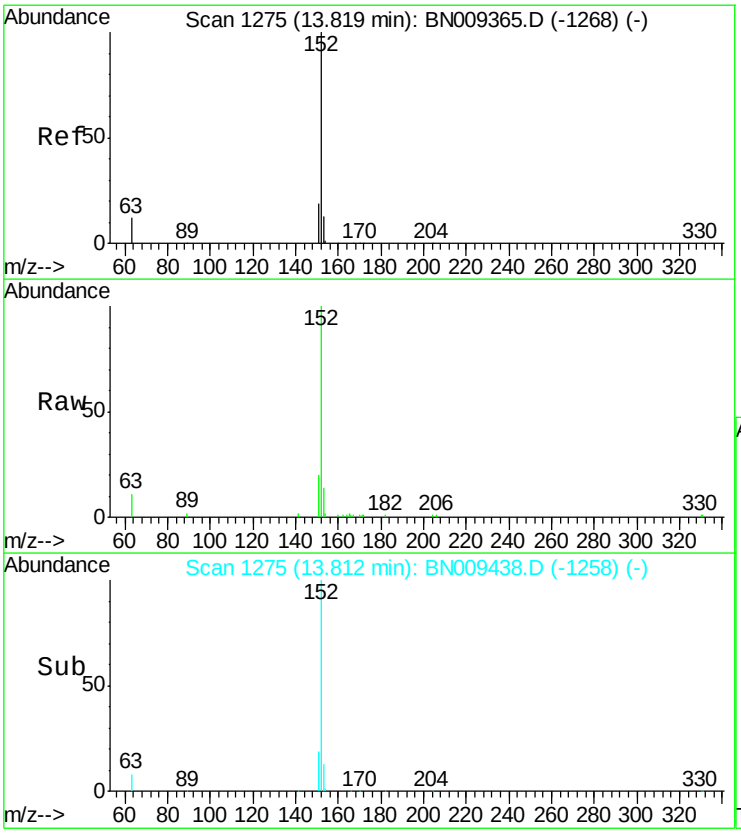

#15
2-Fluorobiphenyl
Concen: 0.266 ng
RT: 12.71 min Scan# 1176
Delta R.T. -0.02 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion:172 Resp: 4810

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 29.5 | 44.3 |
| 170 | 24.8 | 20.7 | 31.1 |

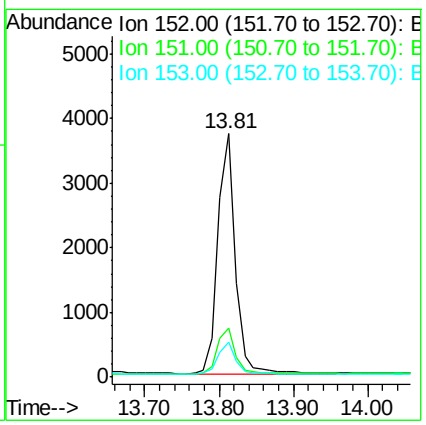


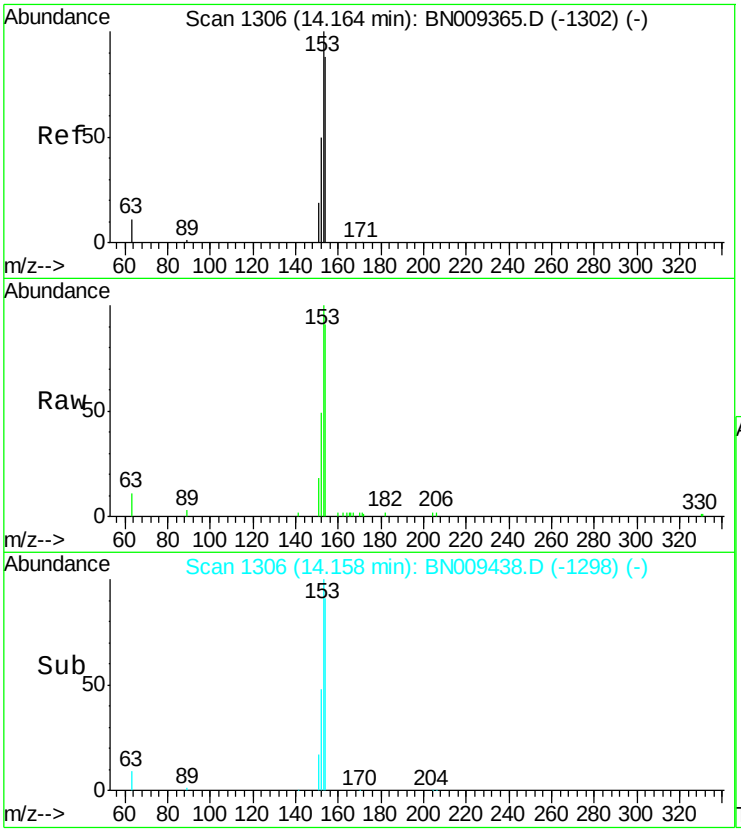




#16
Acenaphthylene
Concen: 0.292 ng
RT: 13.81 min Scan# 1275
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion:152 Resp: 6079

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.1 | 15.4 | 23.2 |
| 153 | 13.0 | 10.4 | 15.6 |



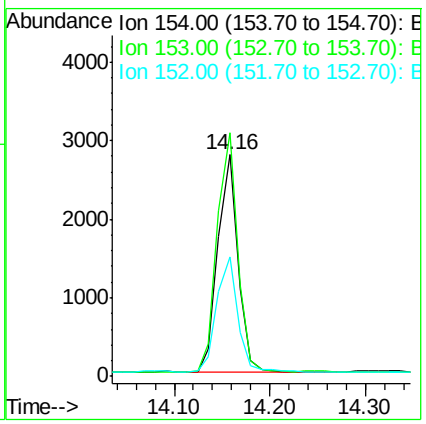


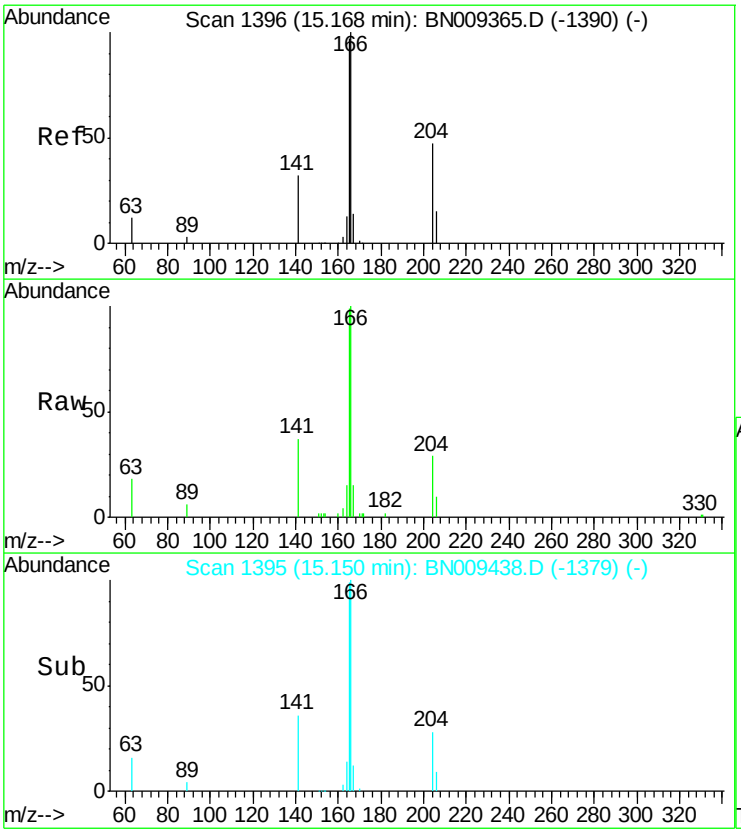

#17
Acenaphthene
Concen: 0.277 ng
RT: 14.16 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion:154 Resp: 4060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.2 | 90.5 | 135.7 |
| 152 | 55.2 | 45.3 | 67.9 |

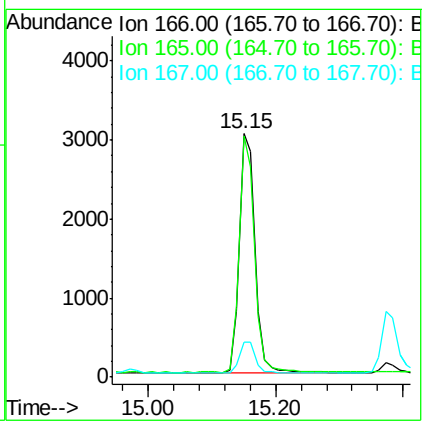


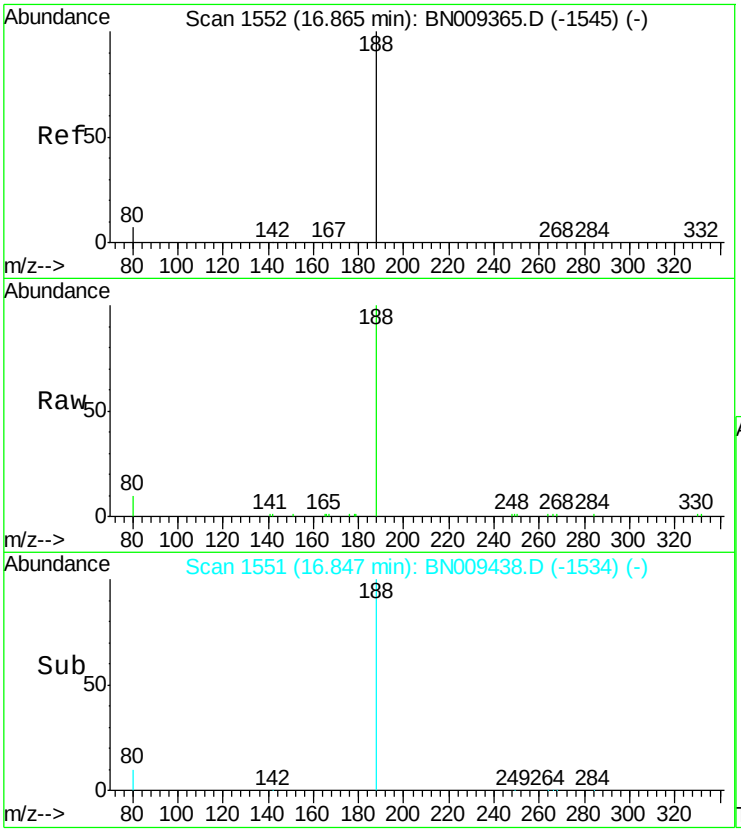




#18
Fluorene
Concen: 0.275 ng
RT: 15.15 min Scan# 1395
Delta R.T. -0.02 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion:166 Resp: 5250

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.6 | 78.2 | 117.2 |
| 167 | 13.2 | 11.0 | 16.6 |



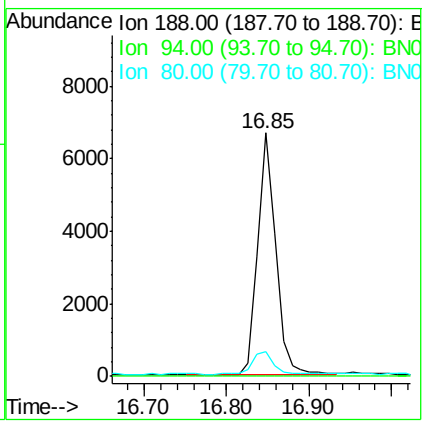


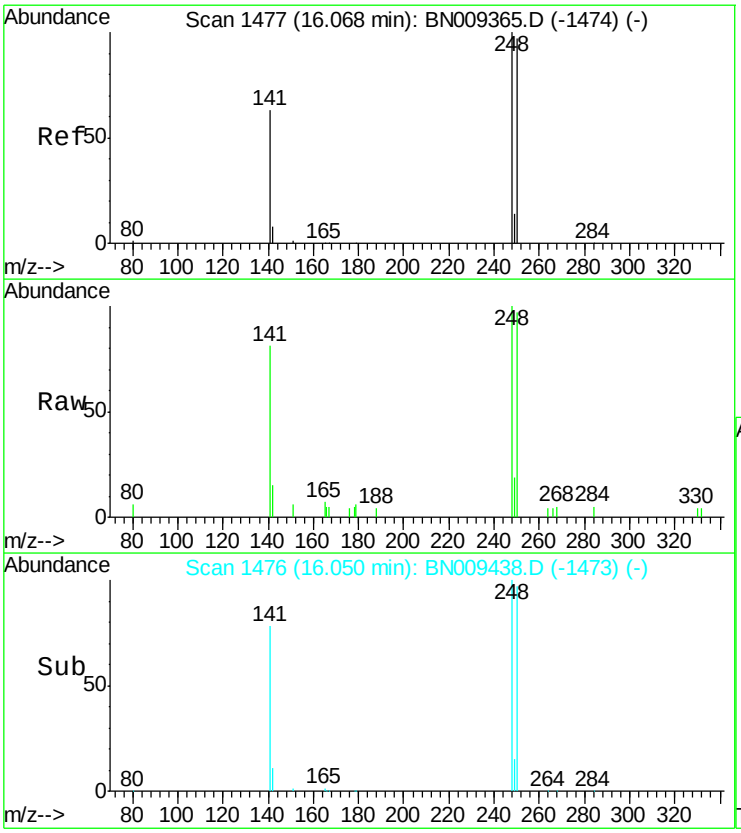

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.85 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion:188 Resp: 9999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 10.4 | 6.6 | 10.0# |

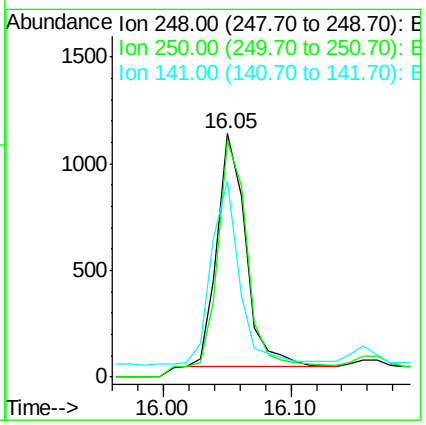


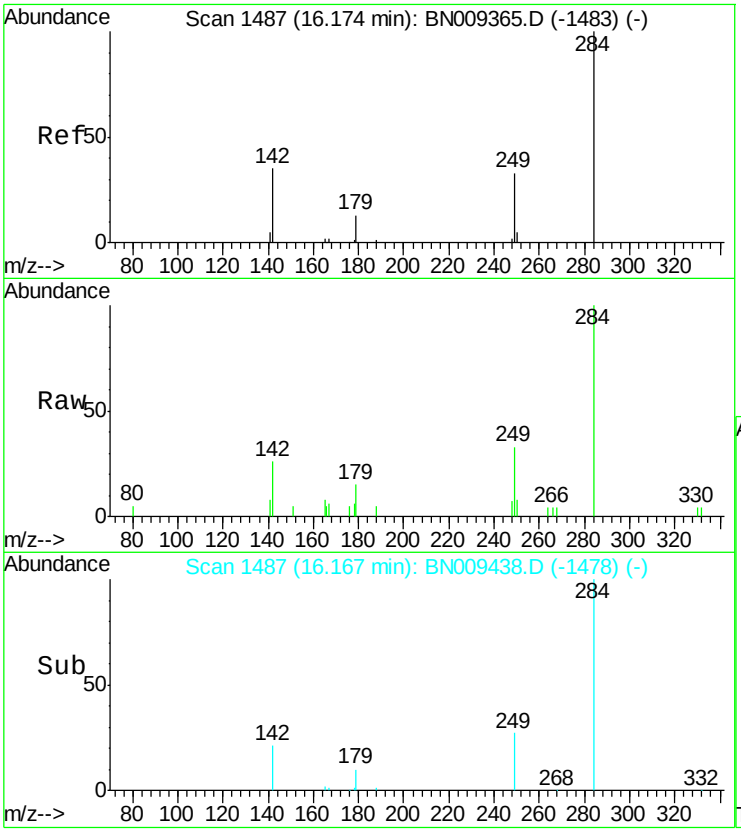




#20
4-Bromophenyl-phenylether
Concen: 0.285 ng
RT: 16.05 min Scan# 1476
Delta R.T. -0.02 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion:248 Resp: 1714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 96.9 | 77.8 | 116.8 |
| 141 | 80.6 | 53.4 | 80.0# |



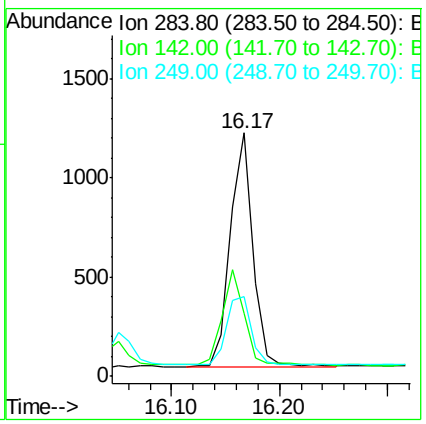


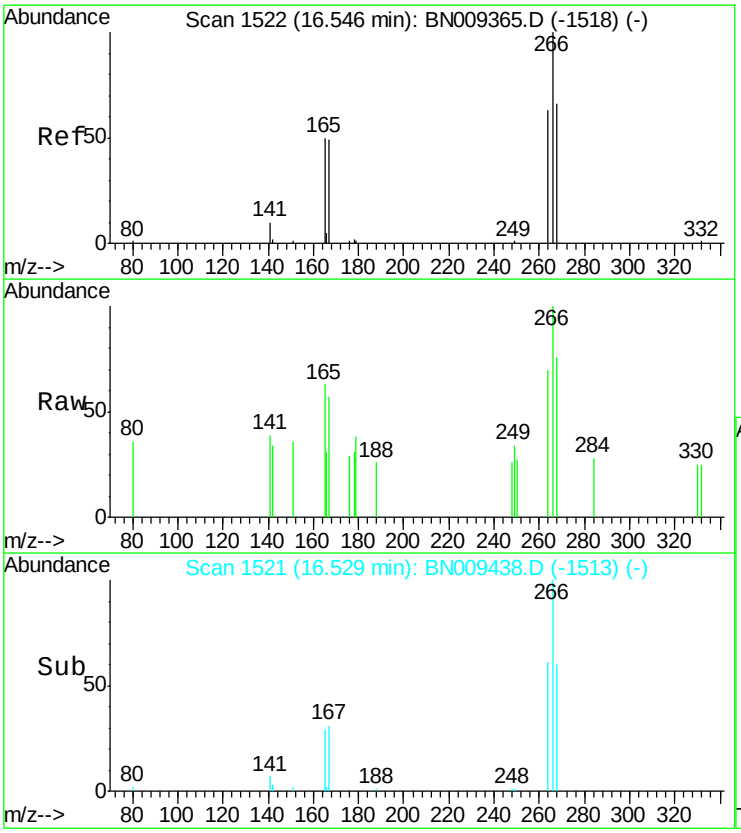

#21
Hexachlorobenzene
Concen: 0.265 ng
RT: 16.17 min Scan# 1487
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion:284 Resp: 1699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 41.6 | 33.8 | 50.8 |
| 249 | 32.5 | 27.0 | 40.4 |

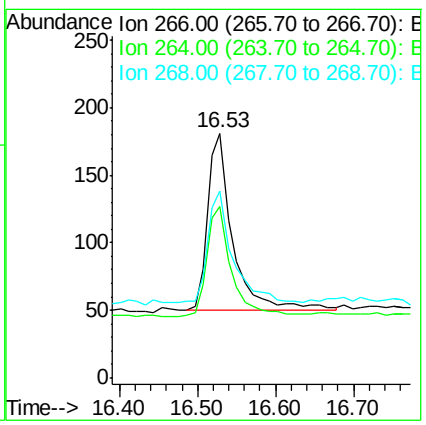


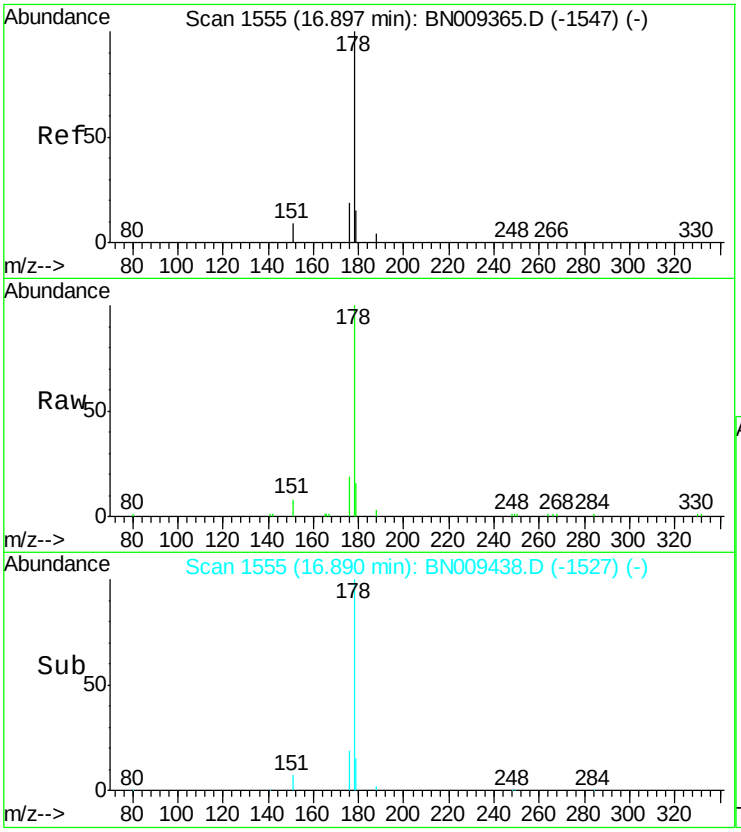




#22
Pentachlorophenol
Concen: 0.274 ng
RT: 16.53 min Scan# 1521
Delta R.T. -0.02 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion:266 Resp: 291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 70.2 | 57.8 | 86.6 |
| 268 | 76.2 | 63.8 | 95.6 |



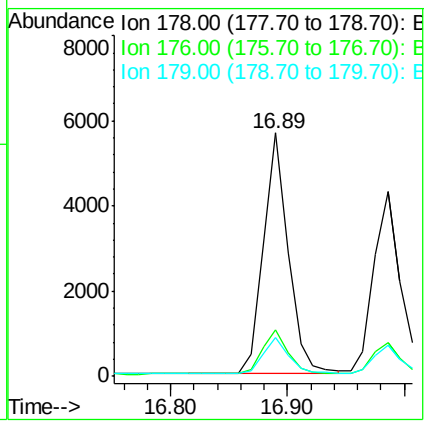


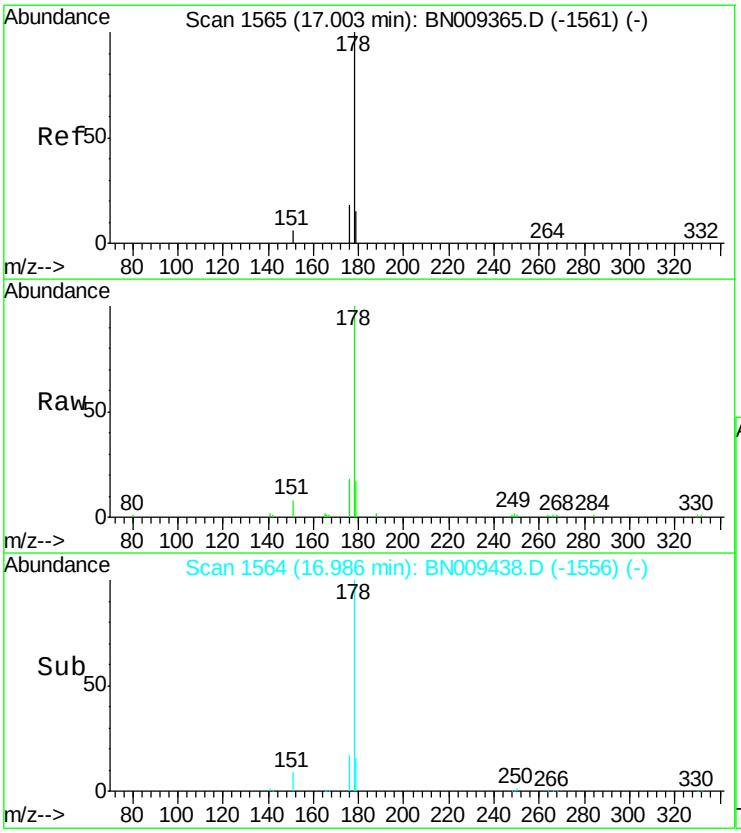

#23
Phenanthrene
Concen: 0.280 ng
RT: 16.89 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion:178 Resp: 8423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.0 | 22.4 |
| 179 | 15.1 | 12.3 | 18.5 |

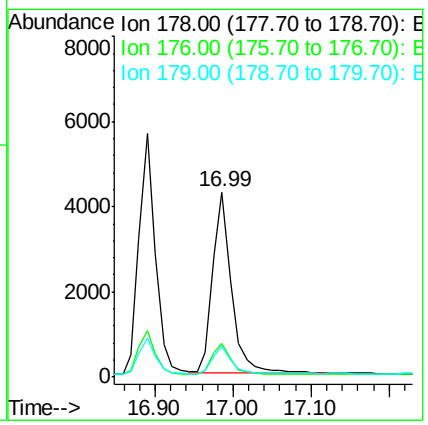


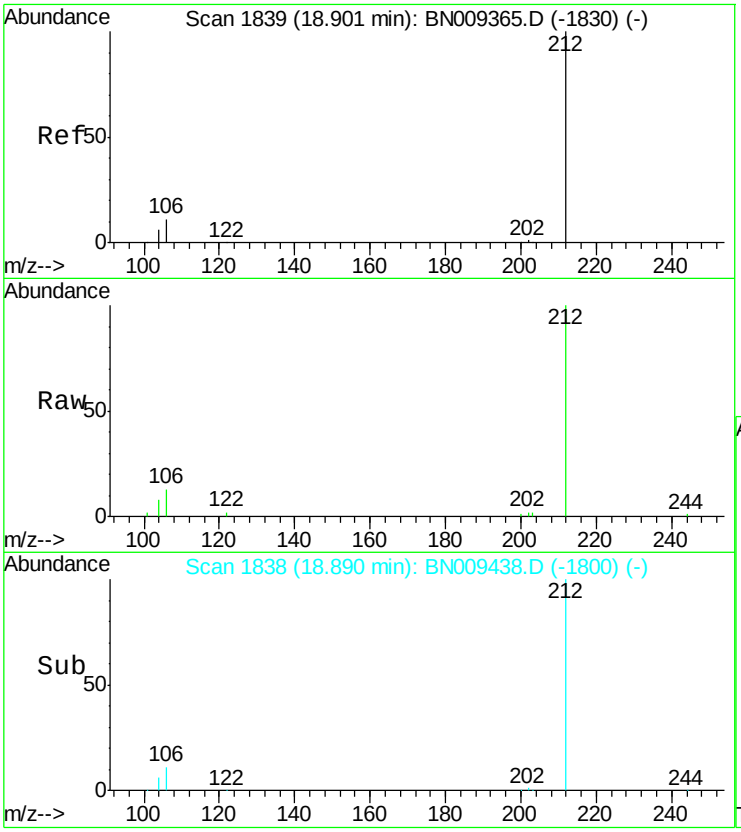




#24
Anthracene
Concen: 0.284 ng
RT: 16.99 min Scan# 1564
Delta R.T. -0.02 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion:178 Resp: 7175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.1 | 14.6 | 21.8 |
| 179 | 15.5 | 12.5 | 18.7 |



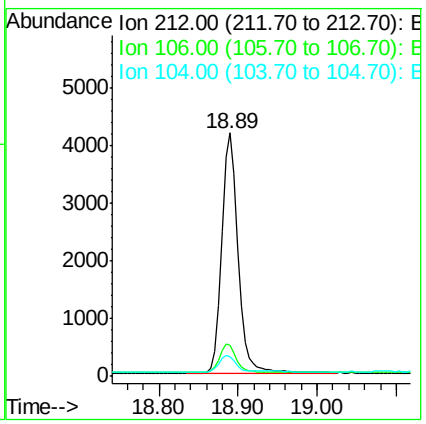


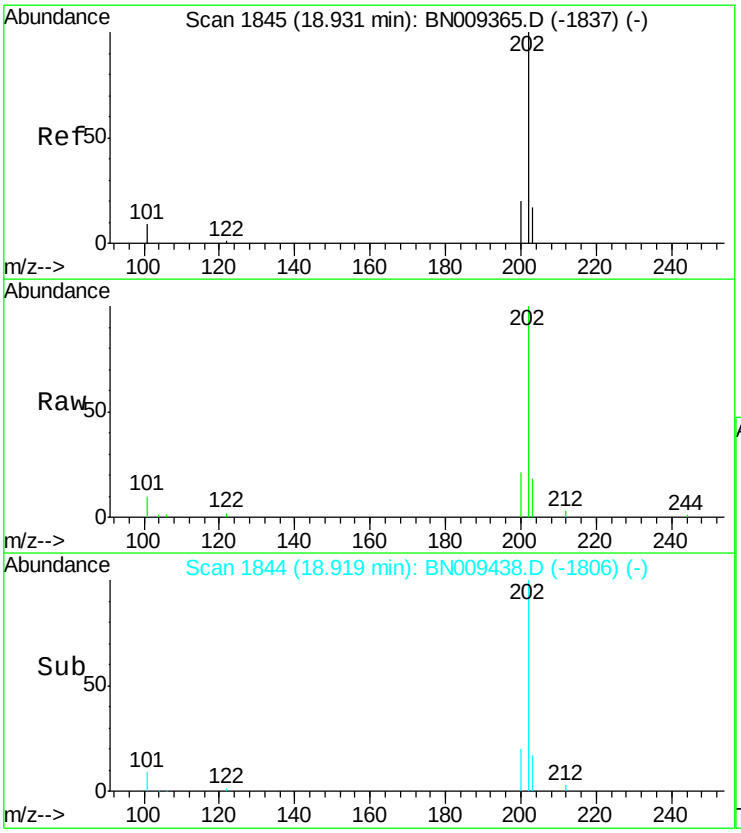

#25
Fluoranthene-d10
Concen: 0.179 ng
RT: 18.89 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion:212 Resp: 6144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 11.8 | 9.2 | 13.8 |
| 104 | 7.0 | 5.4 | 8.0 |

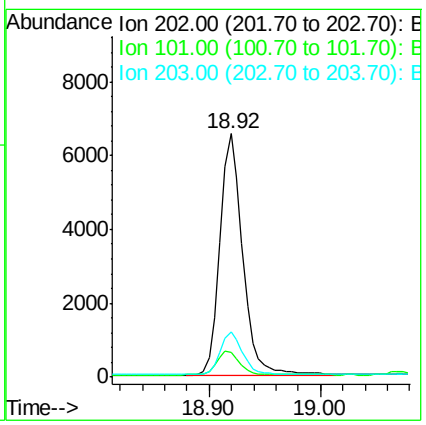


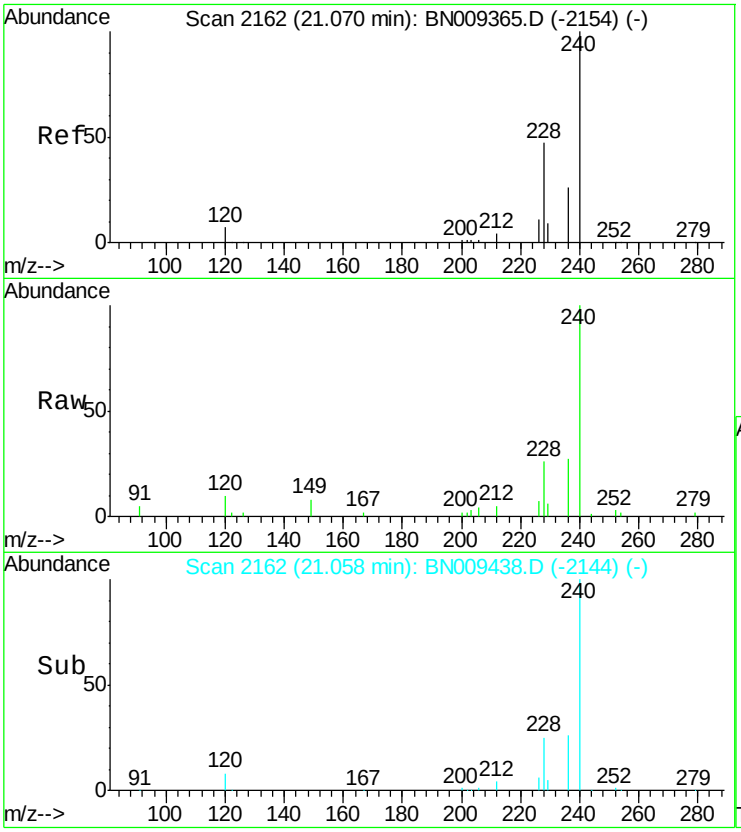




#26
Fluoranthene
Concen: 0.264 ng
RT: 18.92 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion:202 Resp: 9291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.3 | 8.0 | 12.0 |
| 203 | 17.1 | 13.5 | 20.3 |



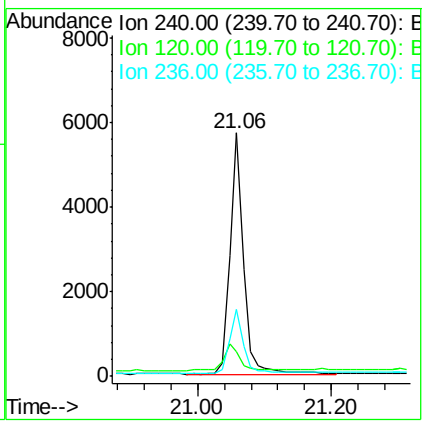


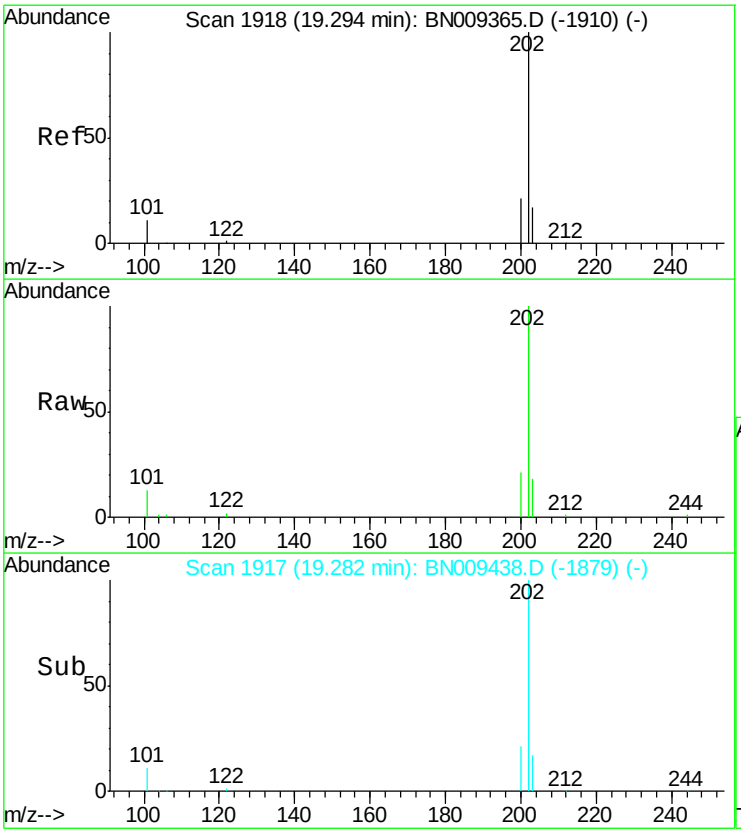

#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion:240 Resp: 8024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.1 | 8.1 | 12.1 |
| 236 | 27.4 | 22.2 | 33.4 |

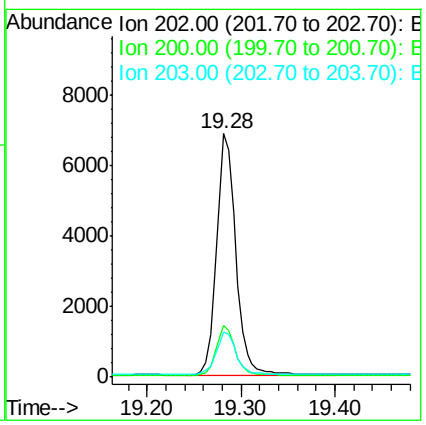


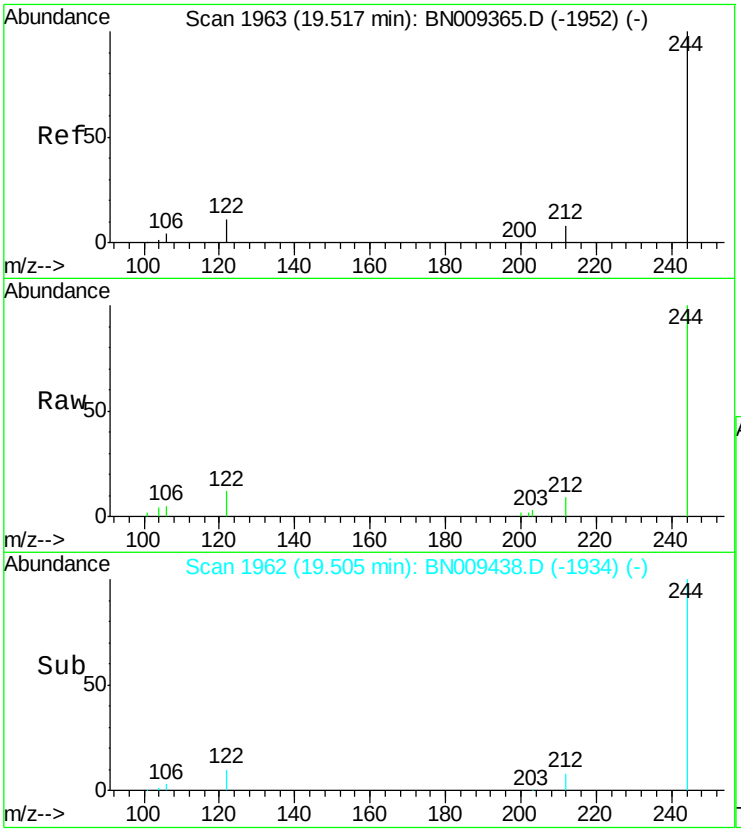




#28
Pyrene
Concen: 0.323 ng
RT: 19.28 min Scan# 1917
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion:202 Resp: 9821

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.3 | 16.2 | 24.2 |
| 203 | 18.0 | 14.1 | 21.1 |



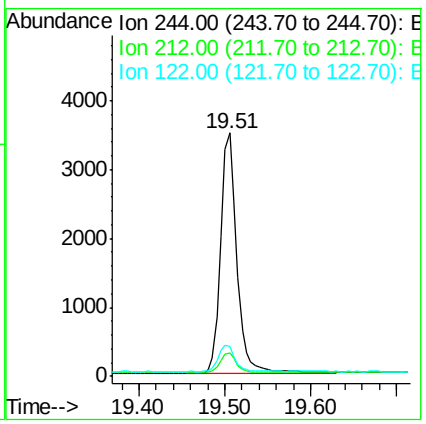


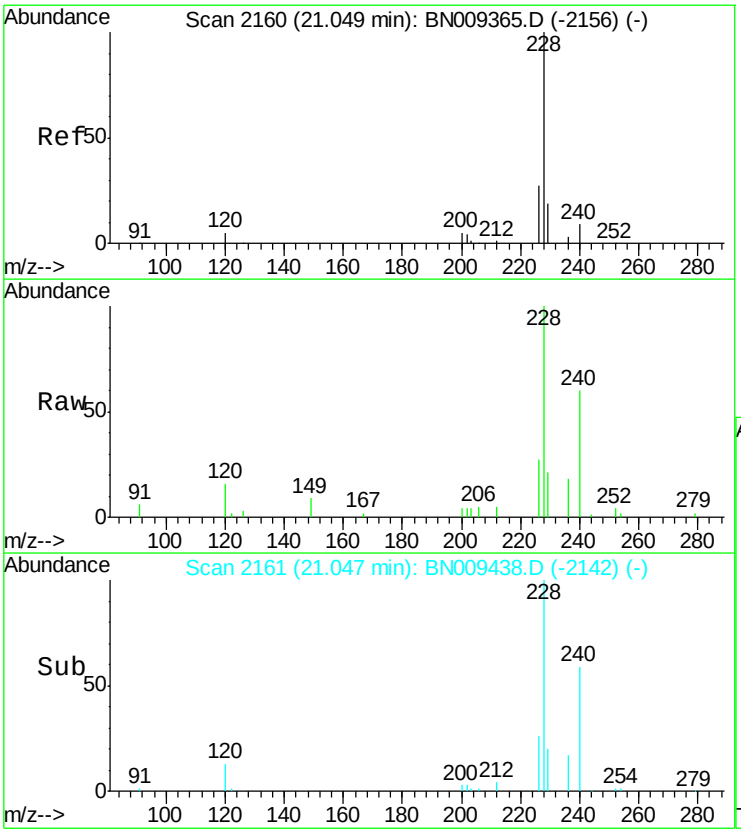

#29
Terphenyl-d14
Concen: 0.242 ng
RT: 19.51 min Scan# 1962
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion:244 Resp: 4602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.5 | 7.5 | 11.3 |
| 122 | 12.2 | 9.8 | 14.6 |

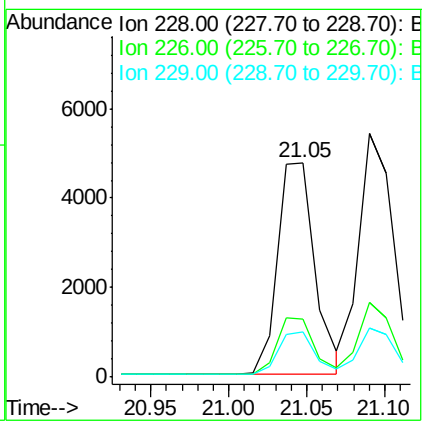


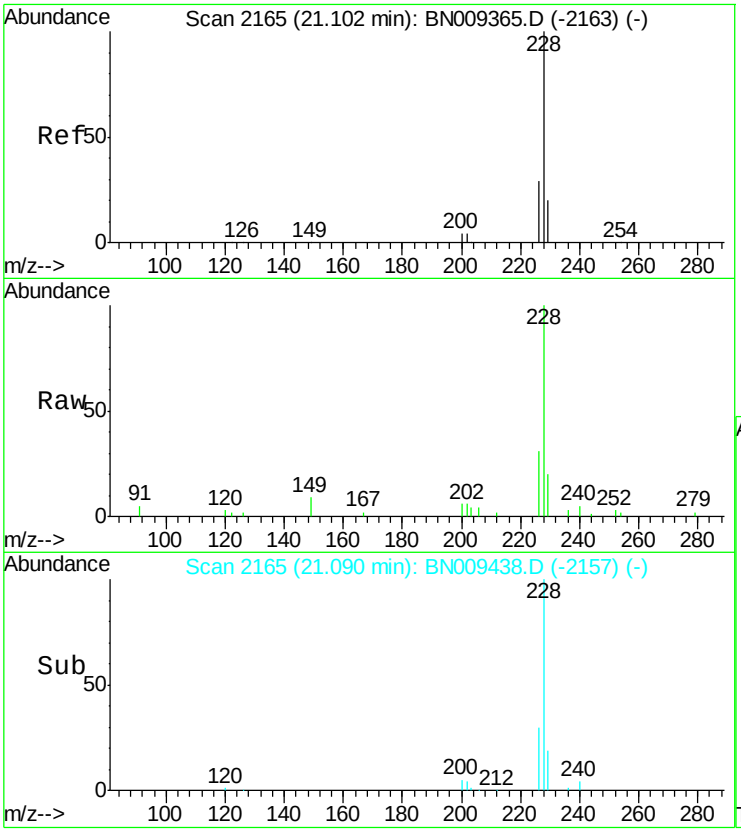




#30
Benzo(a)anthracene
Concen: 0.298 ng
RT: 21.05 min Scan# 2161
Delta R.T. -0.00 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion:228 Resp: 7858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.9 | 22.5 | 33.7 |
| 229 | 21.0 | 16.1 | 24.1 |



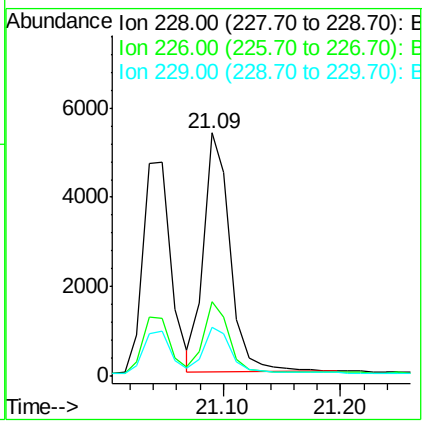


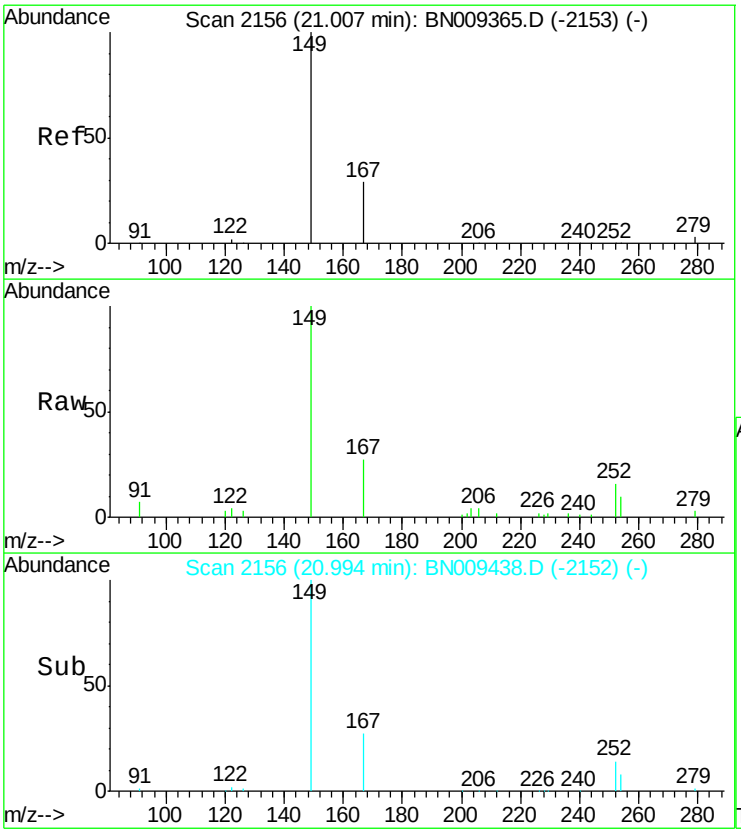

#31
Chrysene
Concen: 0.278 ng
RT: 21.09 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion:228 Resp: 8400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 23.8 | 35.8 |
| 229 | 20.2 | 16.6 | 24.8 |

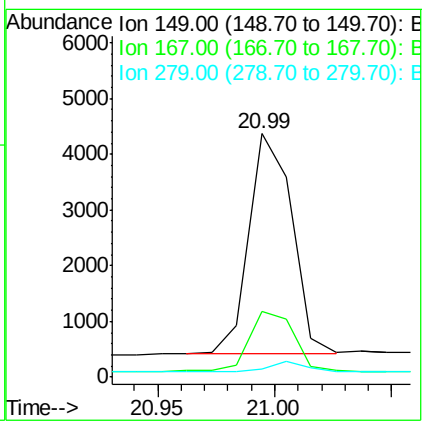


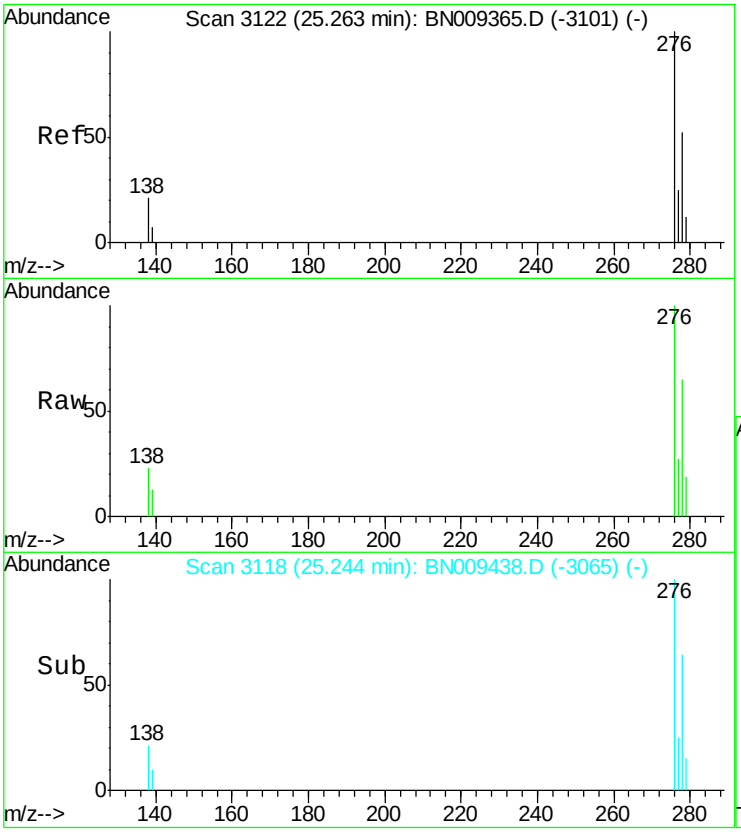




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.432 ng
RT: 20.99 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion:149 Resp: 5044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.1 | 22.9 | 34.3 |
| 279 | 4.2 | 3.4 | 5.0 |



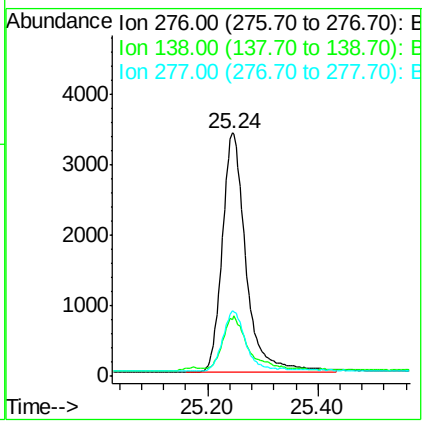


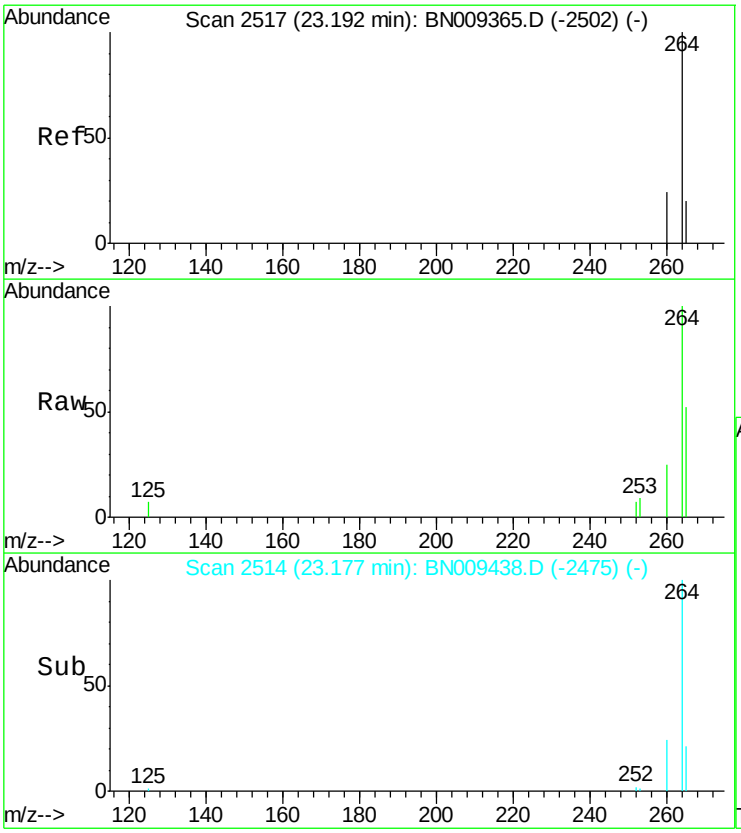

#33
Indeno(1,2,3-cd)pyrene
Concen: 0.326 ng
RT: 25.24 min Scan# 3118
Delta R.T. -0.02 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion:276 Resp: 10227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.5 | 15.9 | 23.9 |
| 277 | 24.1 | 19.8 | 29.6 |

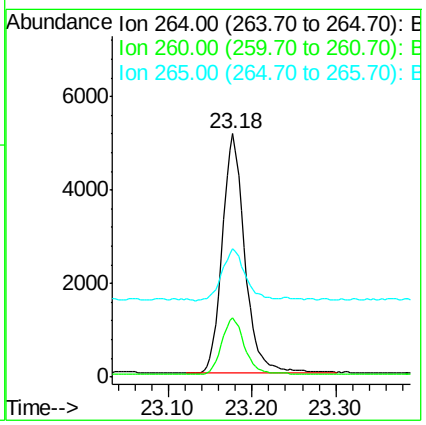


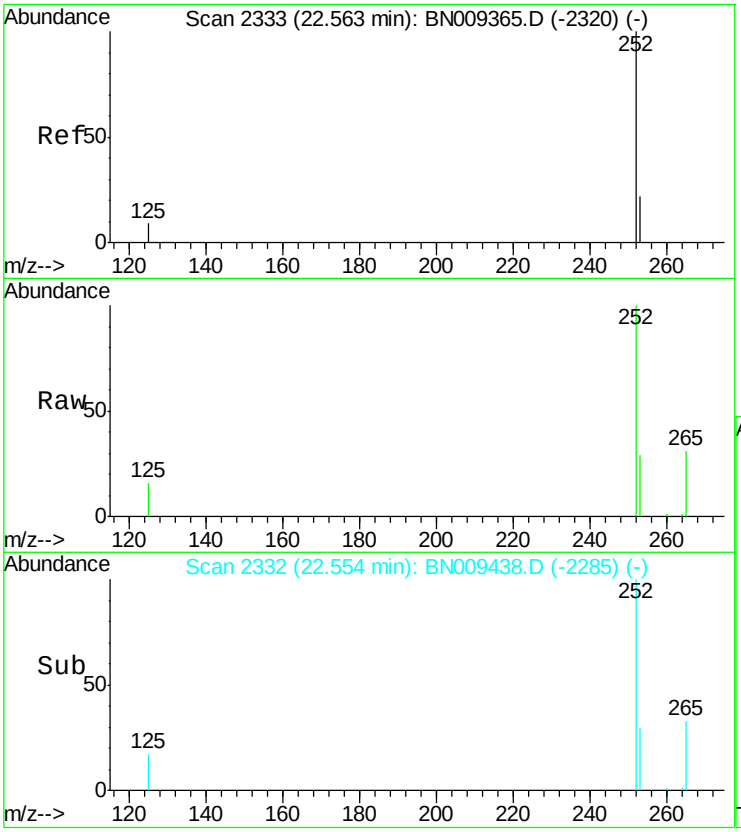




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.18 min Scan# 2514
Delta R.T. -0.02 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion:264 Resp: 9662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.6 | 20.1 | 30.1 |
| 265 | 52.5 | 68.2 | 102.4# |



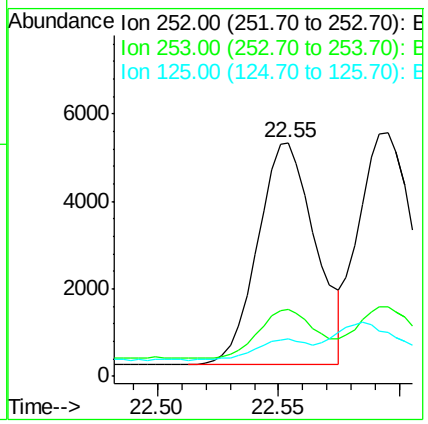


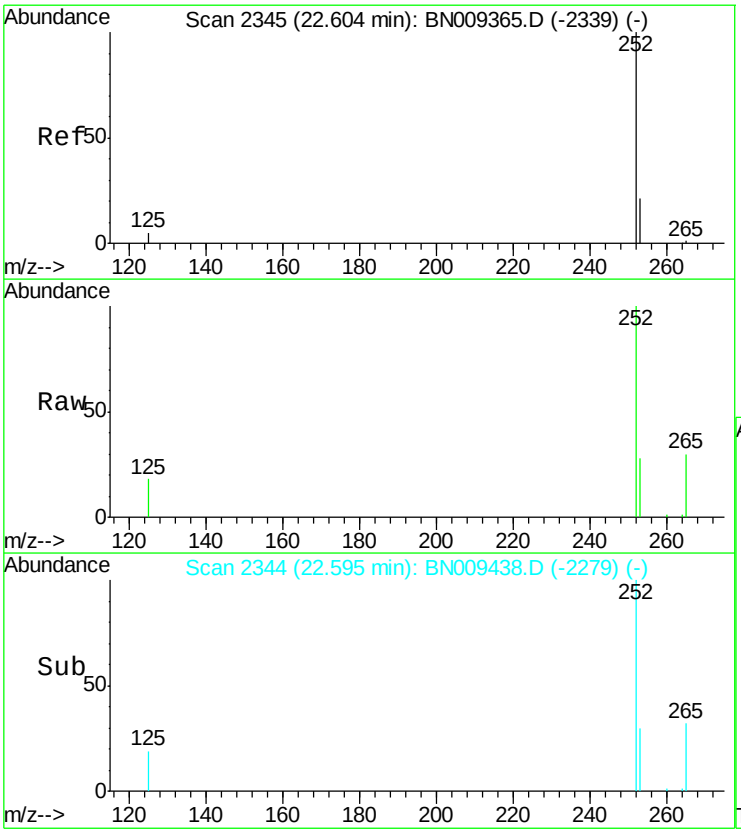

#35
Benzo(b)fluoranthene
Concen: 0.237 ng
RT: 22.55 min Scan# 2332
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion:252 Resp: 8407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.8 | 22.4 | 33.6 |
| 125 | 15.9 | 11.6 | 17.4 |

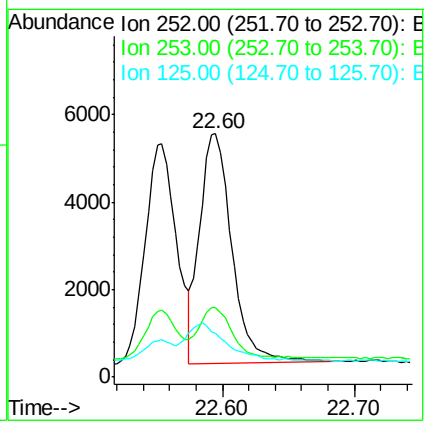


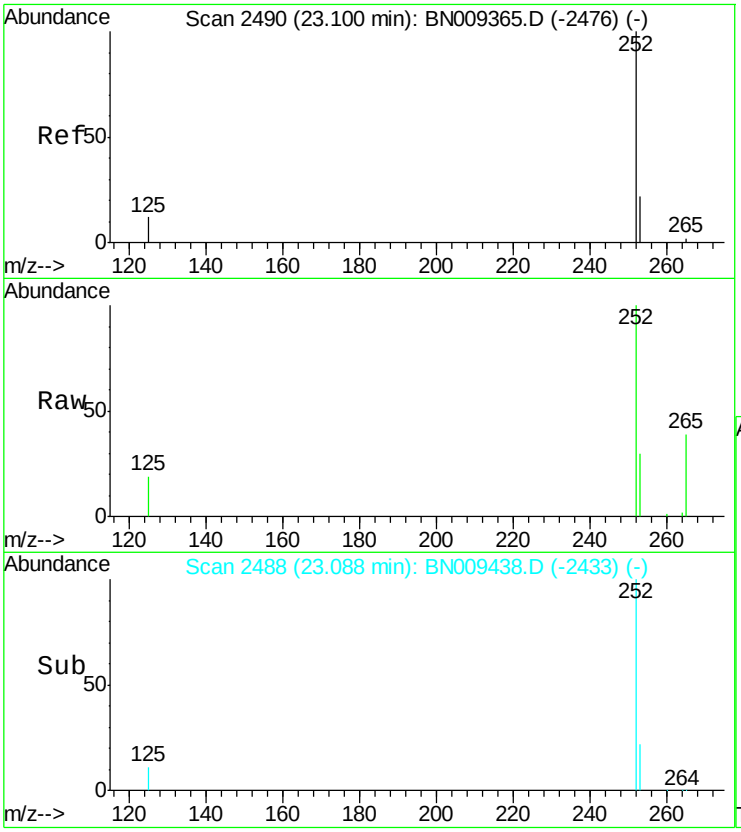




#36
Benzo(k)fluoranthene
Concen: 0.225 ng
RT: 22.60 min Scan# 2344
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion:252 Resp: 8834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.4 | 21.9 | 32.9 |
| 125 | 17.8 | 12.0 | 18.0 |



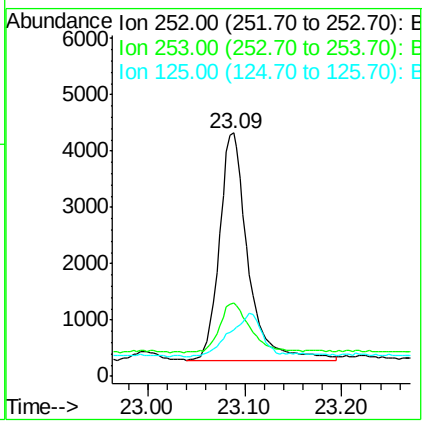


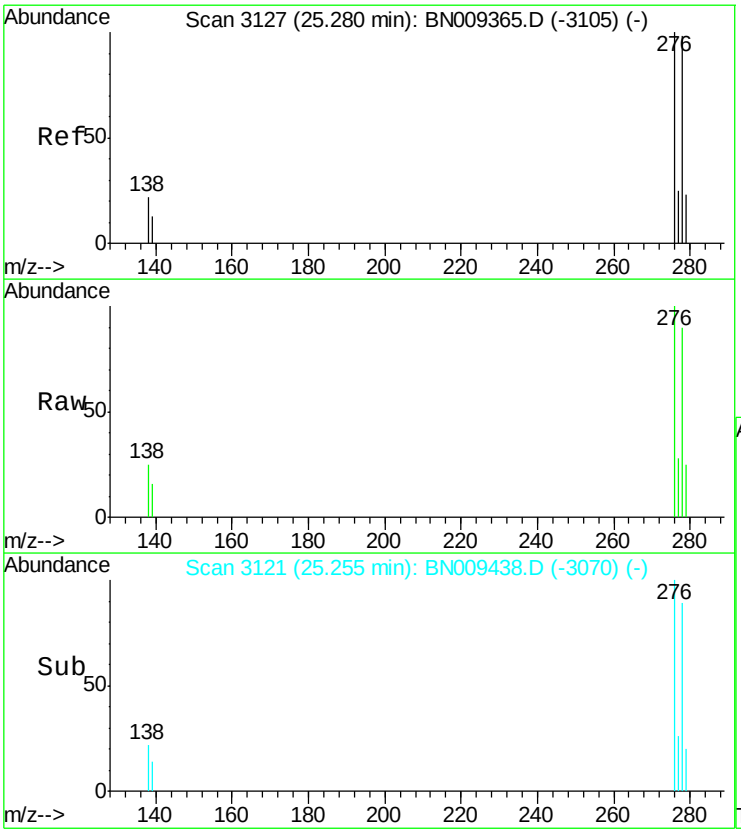

#37
Benzo(a)pyrene
Concen: 0.263 ng
RT: 23.09 min Scan# 2488
Delta R.T. -0.01 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion:252 Resp: 8231

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 30.3 | 25.4 | 38.0 |
| 125 | 19.0 | 16.2 | 24.2 |

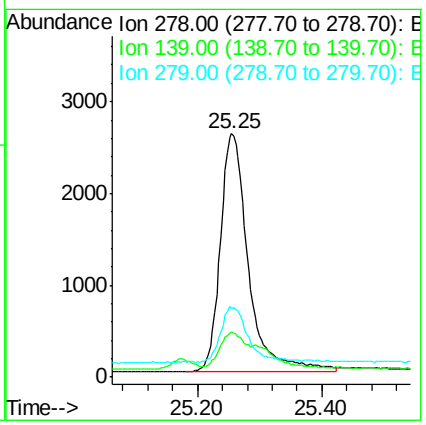


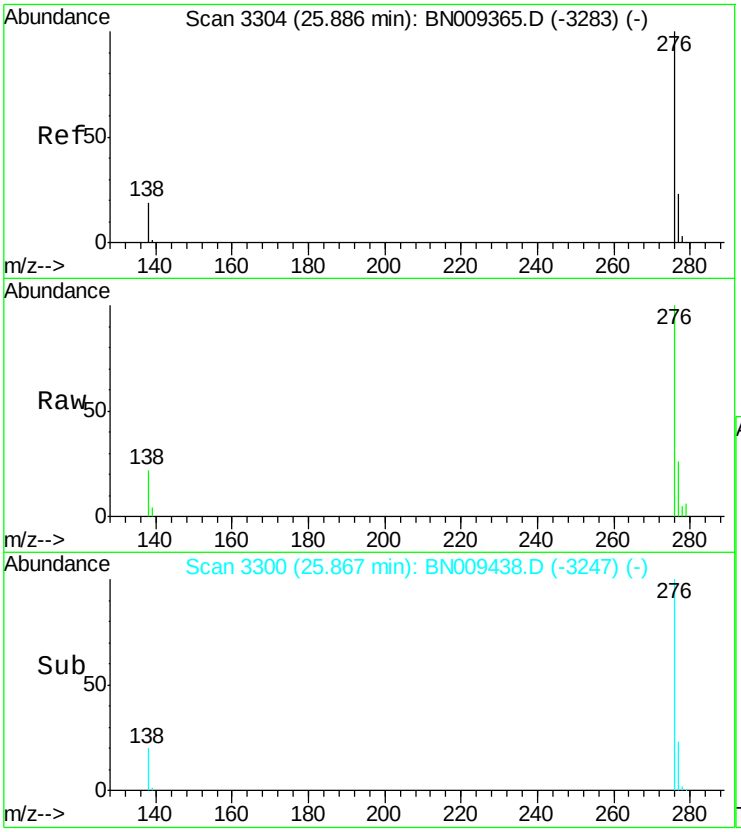




#38
Dibenzo(a,h)anthracene
Concen: 0.258 ng
RT: 25.25 min Scan# 3121
Delta R.T. -0.03 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

Tgt Ion:278 Resp: 8116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.4 | 14.5 | 21.7 |
| 279 | 28.2 | 24.2 | 36.4 |






#39
Benzo(g,h,i)perylene
Concen: 0.264 ng
RT: 25.87 min Scan# 3300
Delta R.T. -0.02 min
Lab File: BN009438.D
Acq: 24 Jan 2020 12:27

**Instrument :**
BNA_N
**ClientSampleId :**
PF-5MS

Tgt Ion:276 Resp: 9155

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.5 | 20.6 | 30.8 |
| 138 | 22.1 | 17.1 | 25.7 |