Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101718\
Data File : BN003179.D
Acq On : 17 Oct 2018 13:23
Operator : MJ/SJ
Sample : SSTDICV0.4
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** ICVBN101718

Quant Time: Oct 18 15:30:51 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN101718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 18 15:26:23 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.64 | 152 | 1127 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.43 | 136 | 4871 | 0.40 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.28 | 164 | 3359 | 0.40 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 17.05 | 188 | 8510 | 0.40 | ng | | 0.00 |
| 27) Chrysene-d12 | 21.25 | 240 | 10813 | 0.40 | ng | | 0.00 |
| 34) Perylene-d12 | 23.47 | 264 | 11221 | 0.40 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.31 | 112 | 987 | 0.40 | ng | | 0.00 |
| 5) Phenol-d6 | 6.94 | 99 | 1289 | 0.36 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.88 | 82 | 1144 | 0.36 | ng | | 0.01 |
| 11) 2-Methylnaphthalene-d10 | 12.05 | 152 | 3171 | 0.38 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.83 | 330 | 743 | 0.35 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 12.93 | 172 | 4976 | 0.38 | ng | | 0.00 |
| 25) Fluoranthene-d10 | 19.08 | 212 | 9922 | 0.38 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.68 | 244 | 8581 | 0.37 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.22 | 88 | 670 | 0.410 | ng | | 95 |
| 3) n-Nitrosodimethylamine | 3.63 | 42 | 166 | 0.333 | ng | # | 62 |
| 6) bis(2-Chloroethyl)ether | 7.12 | 93 | 1069 | 0.359 | ng | | 96 |
| 9) Naphthalene | 10.48 | 128 | 4652 | 0.384 | ng | | 96 |
| 10) Hexachlorobutadiene | 10.72 | 225 | 911 | 0.384 | ng | # | 100 |
| 12) 2-Methylnaphthalene | 12.13 | 142 | 3228 | 0.389 | ng | | 99 |
| 16) Acenaphthylene | 14.01 | 152 | 5711 | 0.374 | ng | | 99 |
| 17) Acenaphthene | 14.34 | 154 | 3935 | 0.387 | ng | | 99 |
| 18) Fluorene | 15.35 | 166 | 5028 | 0.380 | ng | | 100 |
| 20) 4-Bromophenyl-phenylether | 16.23 | 248 | 1775 | 0.374 | ng | | 93 |
| 21) Hexachlorobenzene | 16.36 | 284 | 2024 | 0.386 | ng | | 99 |
| 22) Pentachlorophenol | 16.76 | 266 | 301 | 0.335 | ng | | 91 |
| 23) Phenanthrene | 17.09 | 178 | 8458 | 0.380 | ng | | 100 |
| 24) Anthracene | 17.20 | 178 | 7633 | 0.374 | ng | | 99 |
| 26) Fluoranthene | 19.11 | 202 | 10797 | 0.378 | ng | | 99 |
| 28) Pyrene | 19.48 | 202 | 11328 | 0.375 | ng | | 100 |
| 30) Benzo(a)anthracene | 21.24 | 228 | 9836 | 0.338 | ng | | 99 |
| 31) Chrysene | 21.28 | 228 | 13006 | 0.391 | ng | | 99 |
| 32) Bis(2-ethylhexyl)phthalate | 21.13 | 149 | 6280 | 0.357 | ng | | 99 |
| 33) Indeno(1,2,3-cd)pyrene | 25.71 | 276 | 13825 | 0.352 | ng | | 99 |
| 35) Benzo(b)fluoranthene | 22.81 | 252 | 11480 | 0.379 | ng | | 98 |
| 36) Benzo(k)fluoranthene | 22.85 | 252 | 13533 | 0.378 | ng | | 98 |
| 37) Benzo(a)pyrene | 23.38 | 252 | 11590 | 0.371 | ng | | 98 |
| 38) Dibenzo(a,h)anthracene | 25.70 | 278 | 11481 | 0.360 | ng | | 98 |
| 39) Benzo(g,h,i)perylene | 26.38 | 276 | 11736 | 0.364 | ng | | 99 |

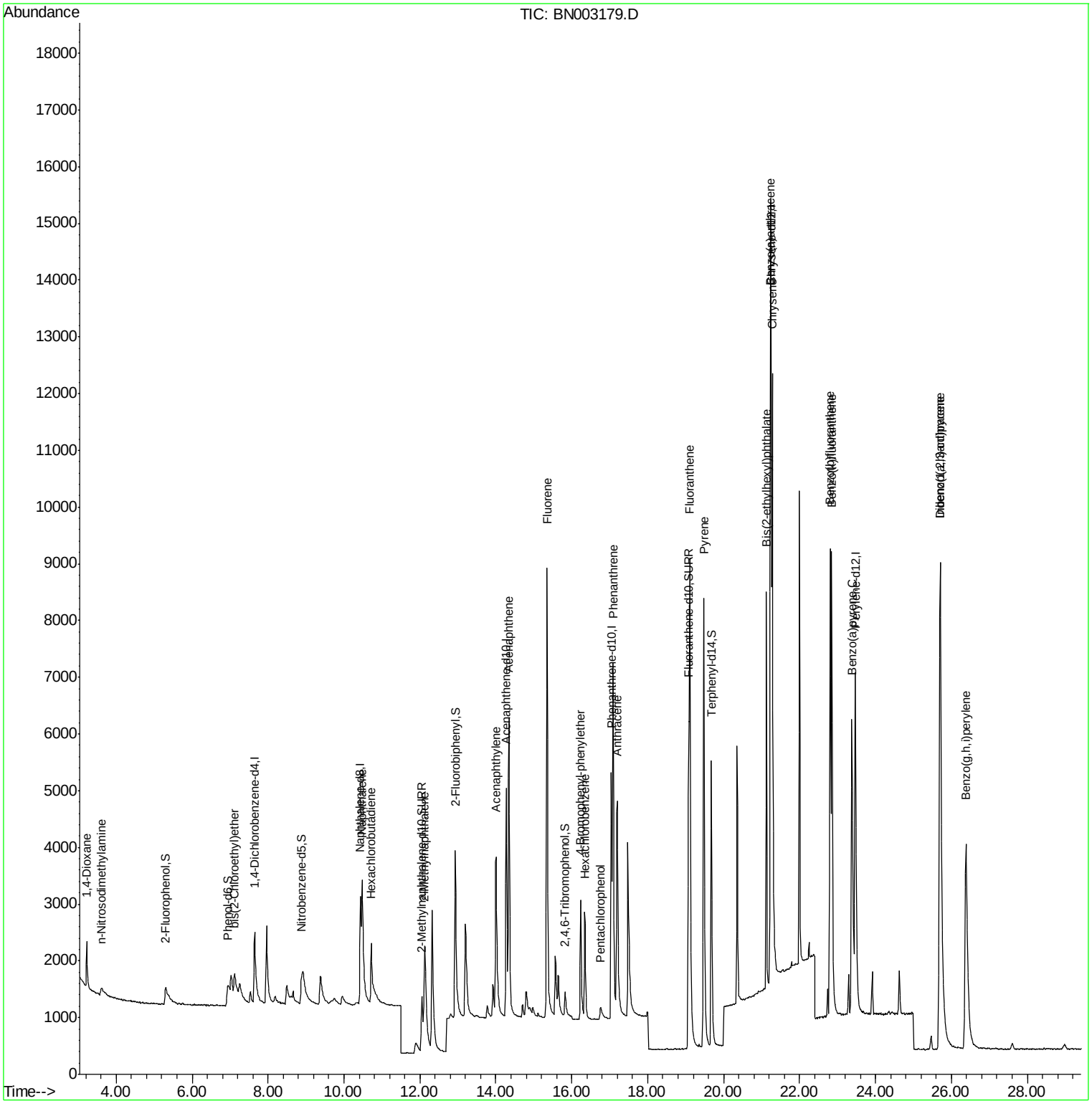
(#) = qualifier out of range (m) = manual integration (+) = signals summed

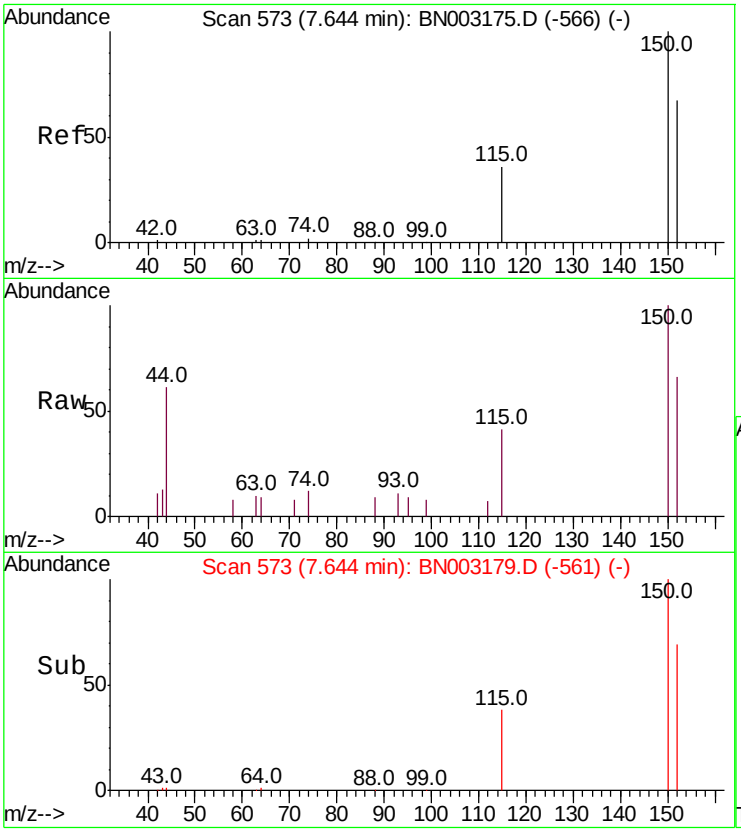
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101718\
Data File : BN003179.D
Acq On : 17 Oct 2018 13:23
Operator : MJ/SJ
Sample : SSTDICV0.4
Misc :
ALS Vial : 8 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Quant Time: Oct 18 15:30:51 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN101718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 18 15:26:23 2018
Response via : Initial Calibration



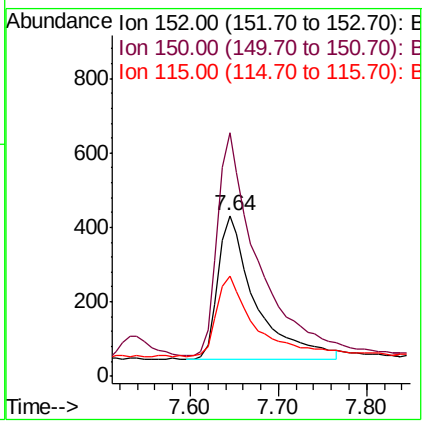


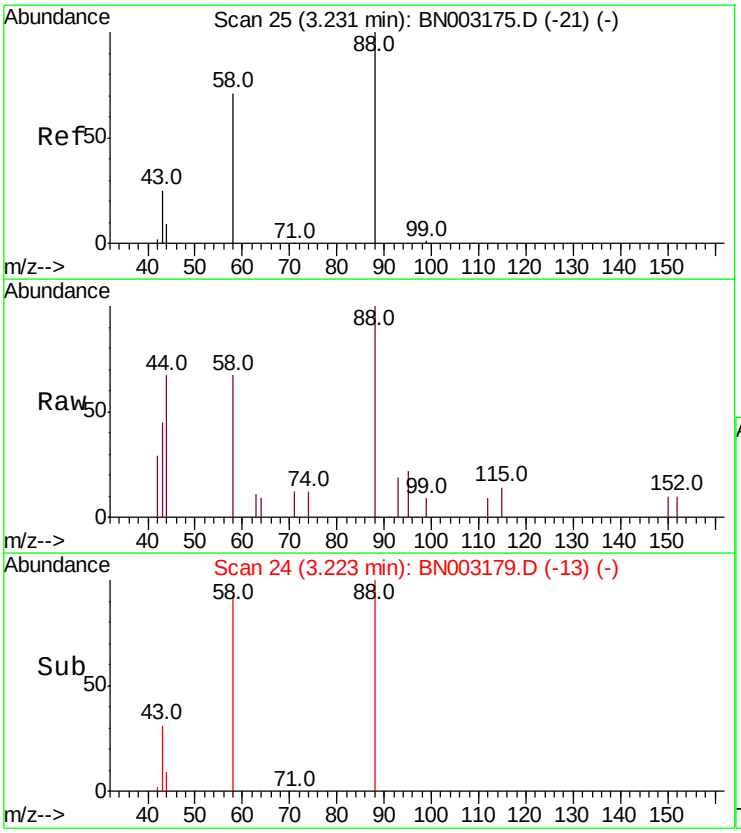

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.64 min Scan# 573
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion:152 Resp: 1127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.4 | 126.2 | 189.4 |
| 115 | 62.3 | 49.8 | 74.6 |

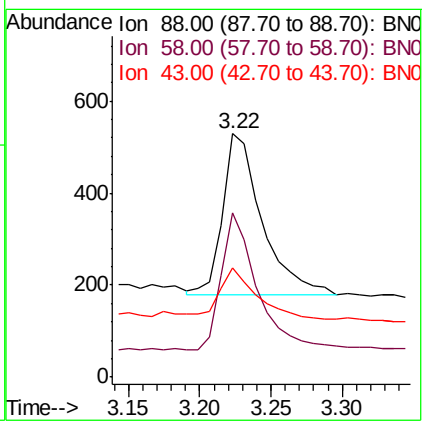


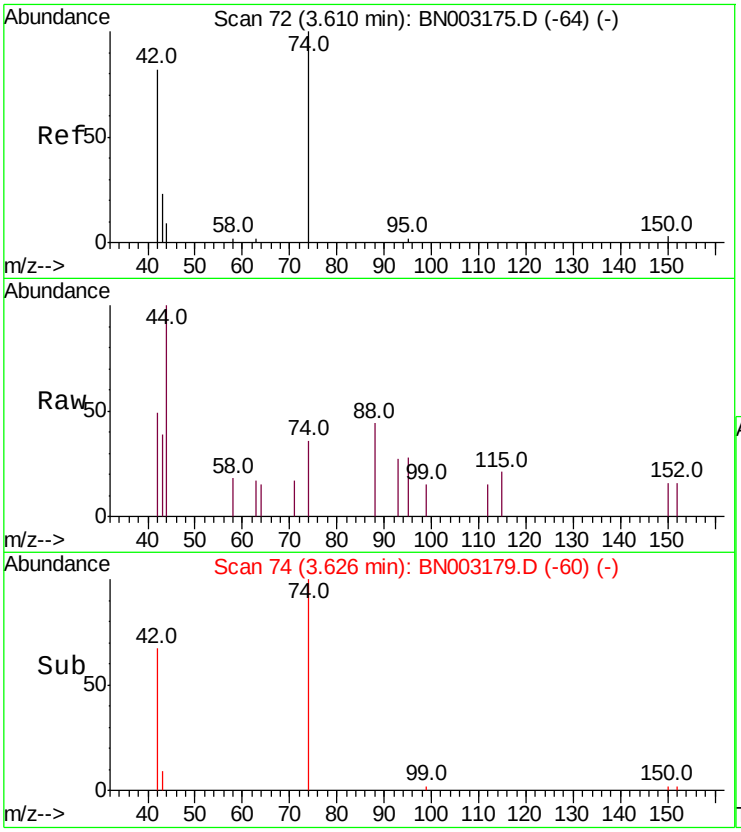




#2
1,4-Dioxane
Concen: 0.410 ng
RT: 3.22 min Scan# 24
Delta R.T. -0.01 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

Tgt Ion: 88 Resp: 670

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 78.7 | 66.7 | 100.1 |
| 43 | 28.7 | 24.6 | 37.0 |



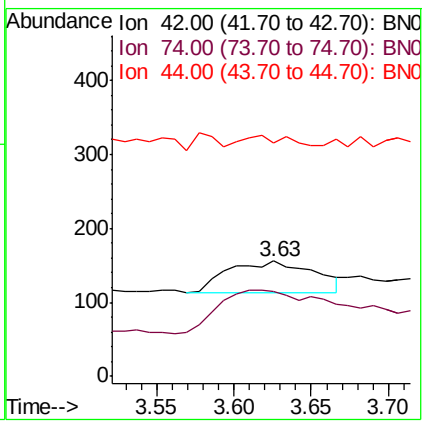


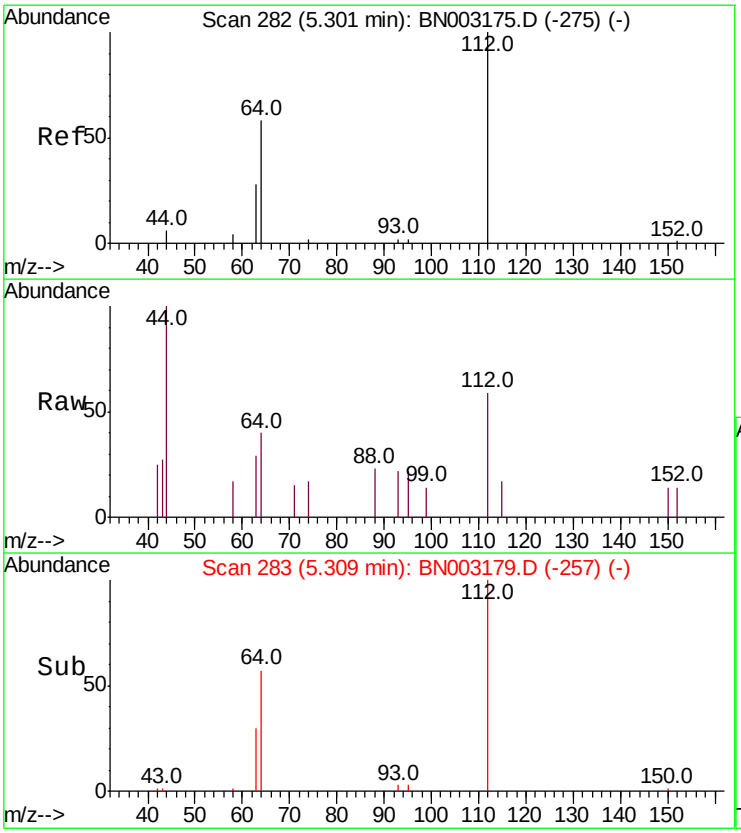

#3
n-Nitrosodimethylamine
Concen: 0.333 ng
RT: 3.63 min Scan# 74
Delta R.T. 0.02 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion: 42 Resp: 166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 172.9 | 102.9 | 154.3# |
| 44 | 21.7 | 0.0 | 0.0# |

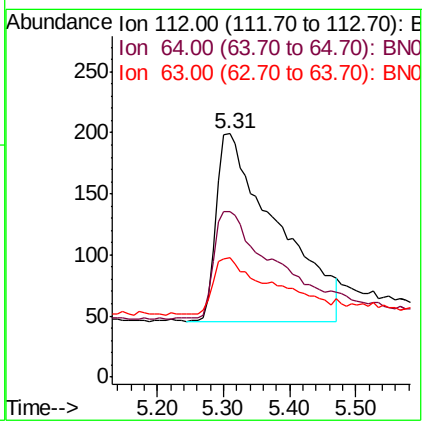


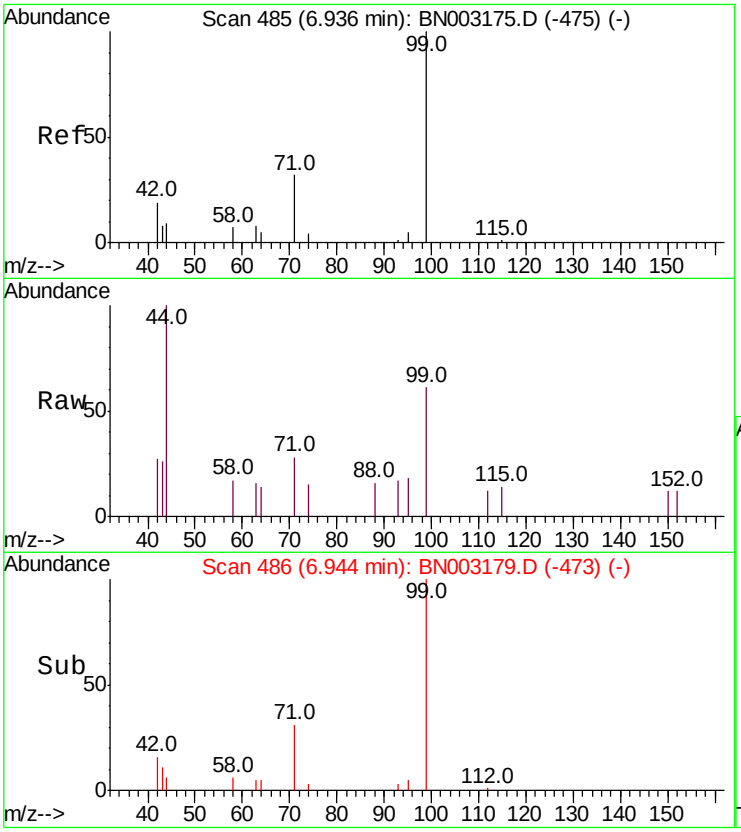




#4
2-Fluorophenol
Concen: 0.397 ng
RT: 5.31 min Scan# 283
Delta R.T. 0.01 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

Tgt Ion:112 Resp: 987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 57.9 | 49.0 | 73.4 |
| 63 | 29.1 | 25.9 | 38.9 |



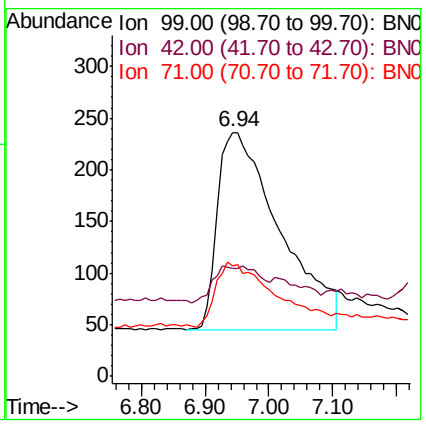


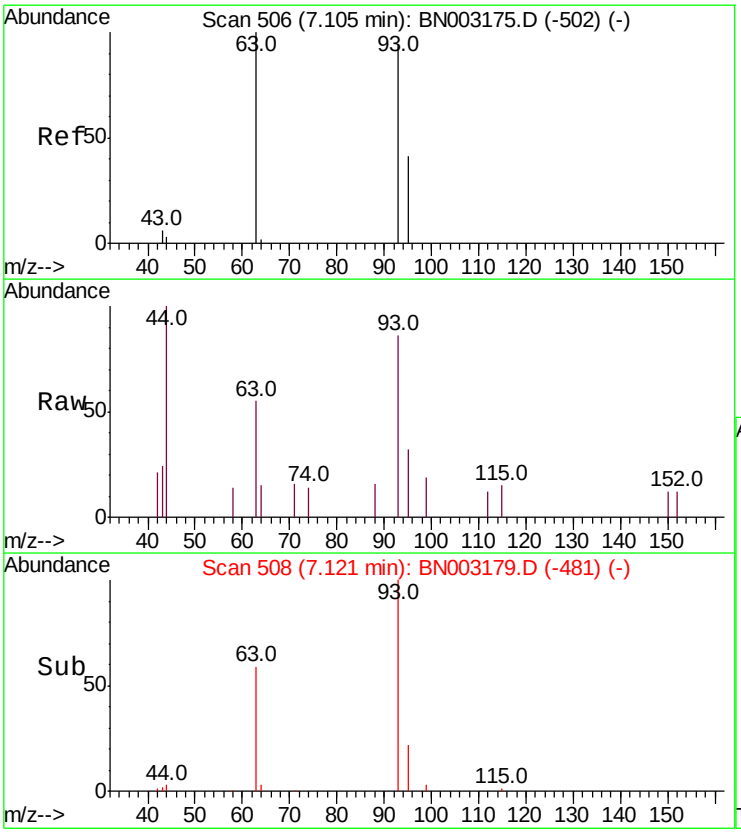

#5
Phenol-d6
Concen: 0.363 ng
RT: 6.94 min Scan# 486
Delta R.T. 0.01 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion: 99 Resp: 1289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 6.3 | 15.4 | 23.2# |
| 71 | 31.3 | 26.0 | 39.0 |

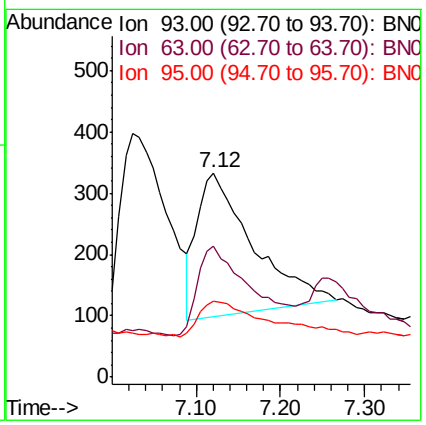


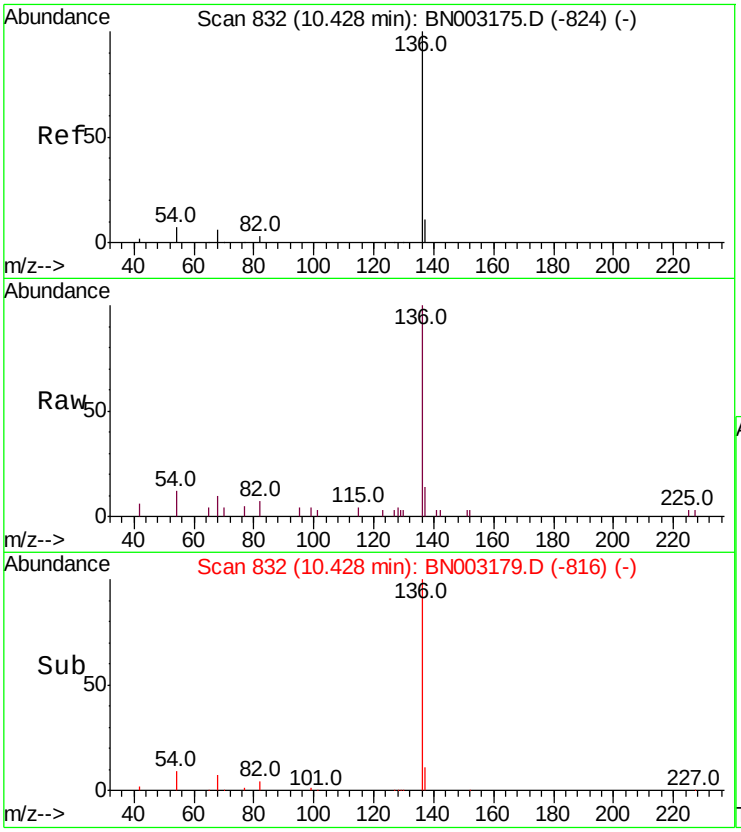




#6
bis(2-Chloroethyl)ether
Concen: 0.359 ng
RT: 7.12 min Scan# 508
Delta R.T. 0.02 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

Tgt Ion: 93 Resp: 1069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 63.6 | 54.2 | 81.4 |
| 95 | 30.8 | 24.9 | 37.3 |



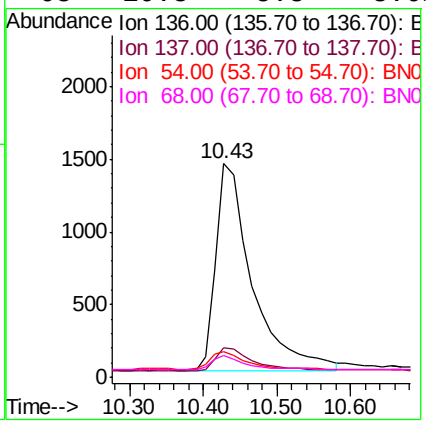


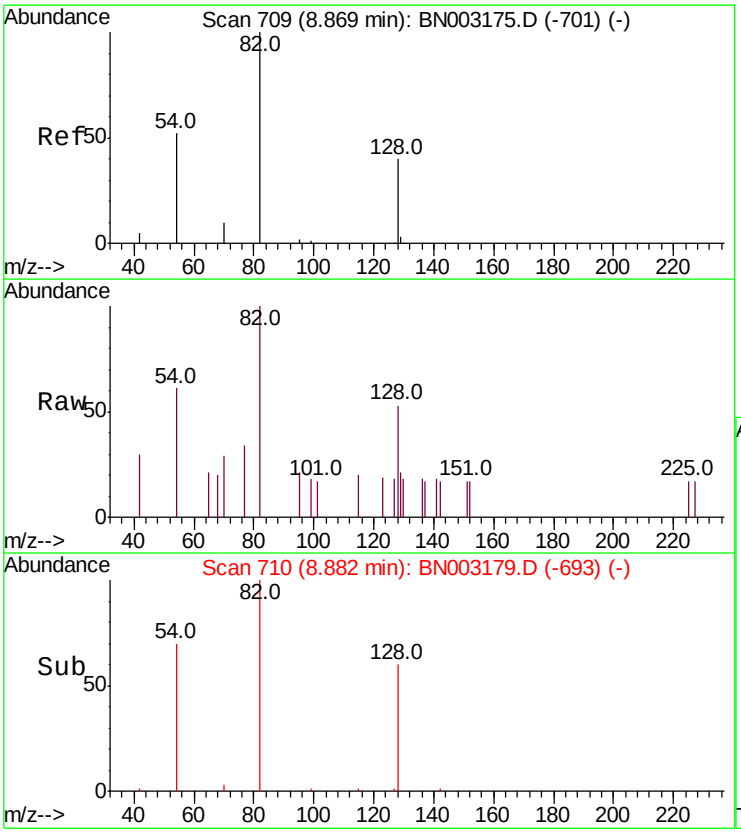

#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.43 min Scan# 832
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion:136 Resp: 4871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 13.9 | 9.4 | 14.0 |
| 54 | 11.9 | 7.4 | 11.0# |
| 68 | 10.3 | 5.8 | 8.6# |

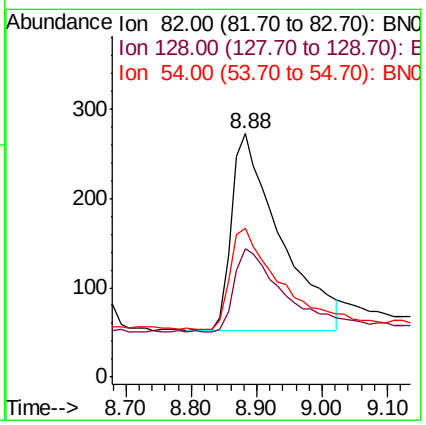


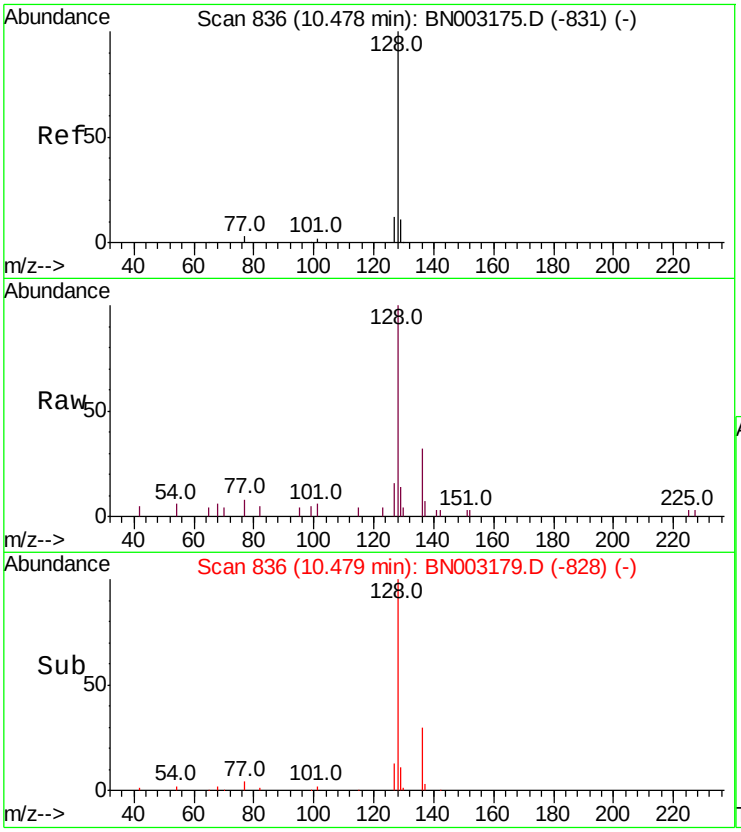




#8
Nitrobenzene-d5
Concen: 0.365 ng
RT: 8.88 min Scan# 710
Delta R.T. 0.01 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

Tgt Ion: 82 Resp: 1144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 52.6 | 38.2 | 57.4 |
| 54 | 61.0 | 44.1 | 66.1 |



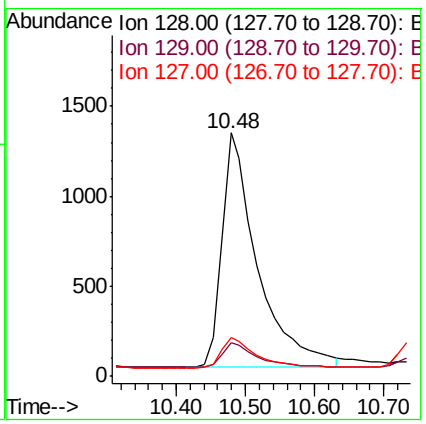


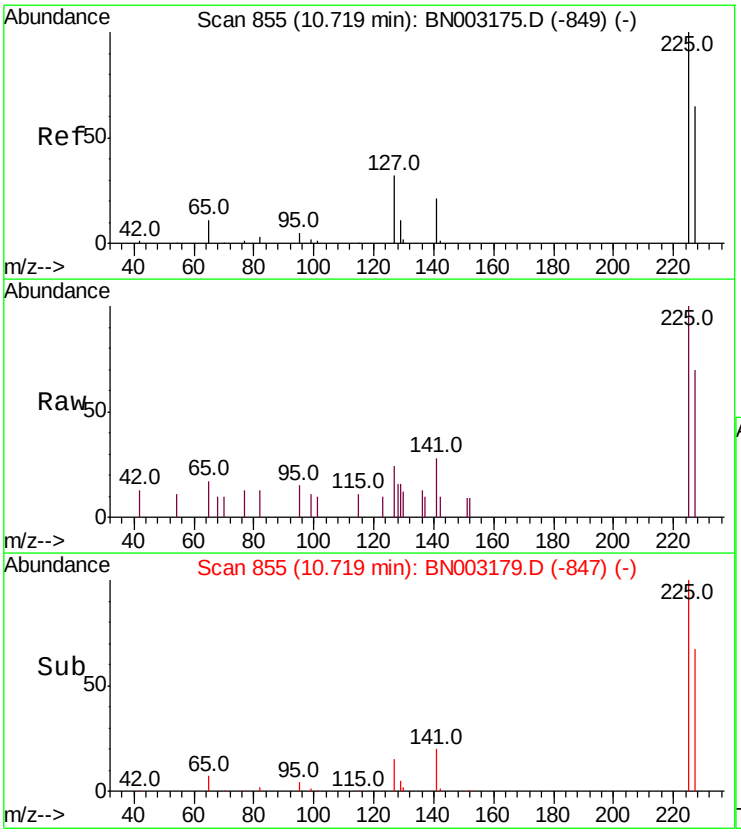

#9
Naphthalene
Concen: 0.384 ng
RT: 10.48 min Scan# 836
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion:128 Resp: 4652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 14.0 | 9.8 | 14.6 |
| 127 | 15.8 | 11.4 | 17.2 |

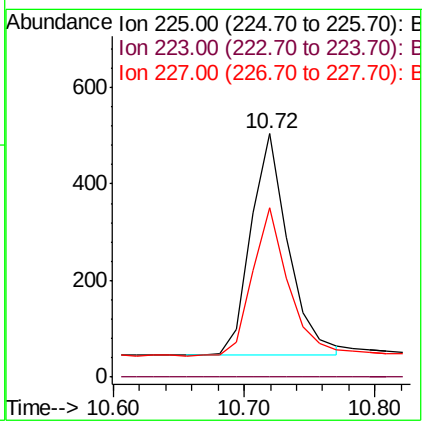


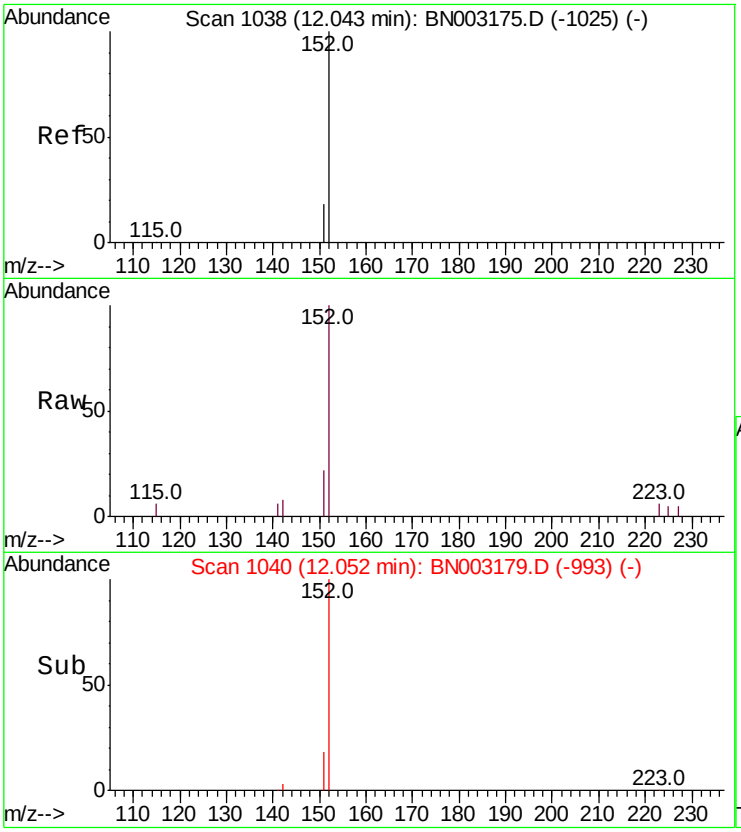




#10
Hexachlorobutadiene
Concen: 0.384 ng
RT: 10.72 min Scan# 855
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

Tgt Ion:225 Resp: 911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 0.0 | 0.0 | 0.0 |
| 227 | 64.9 | 51.8 | 77.8 |



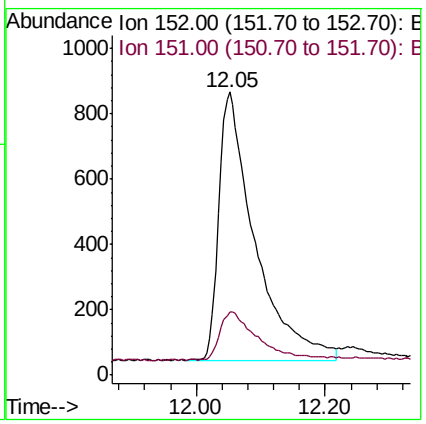


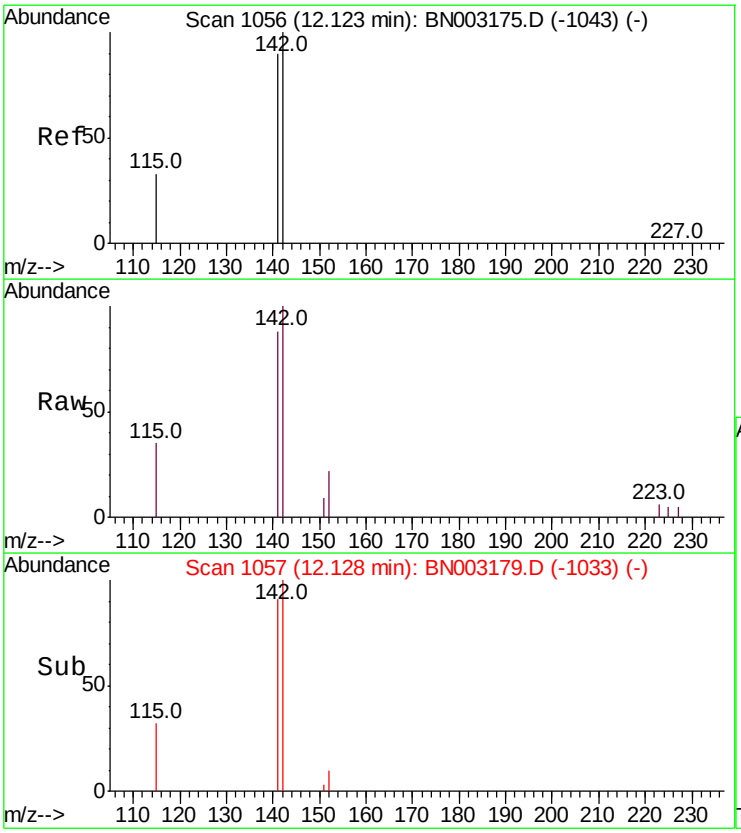

#11
2-Methylnaphthalene-d10
Concen: 0.385 ng
RT: 12.05 min Scan# 1040
Delta R.T. 0.01 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion:152 Resp: 3171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 18.1 | 15.0 | 22.4 |

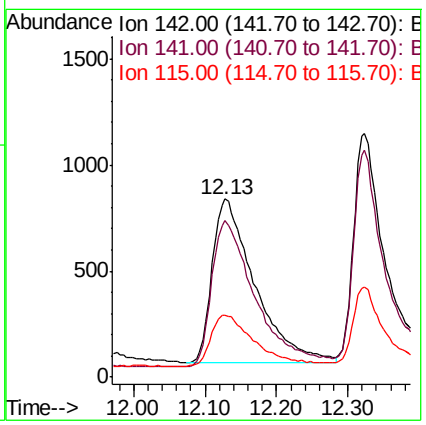


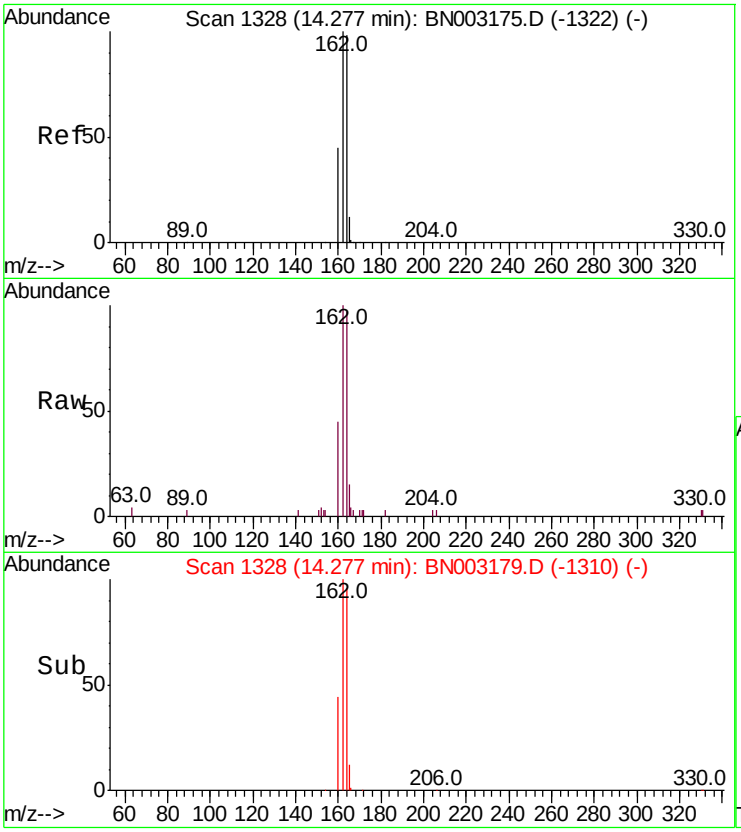




#12
2-Methylnaphthalene
Concen: 0.389 ng
RT: 12.13 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

Tgt Ion:142 Resp: 3228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.9 | 71.5 | 107.3 |
| 115 | 35.0 | 28.1 | 42.1 |



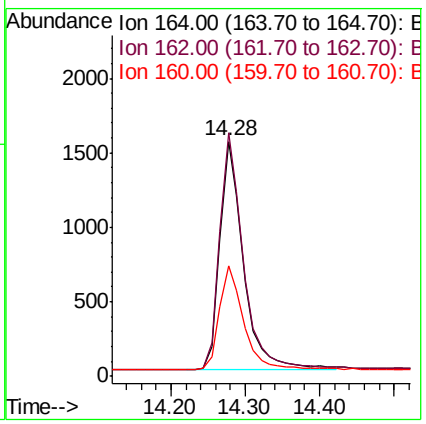


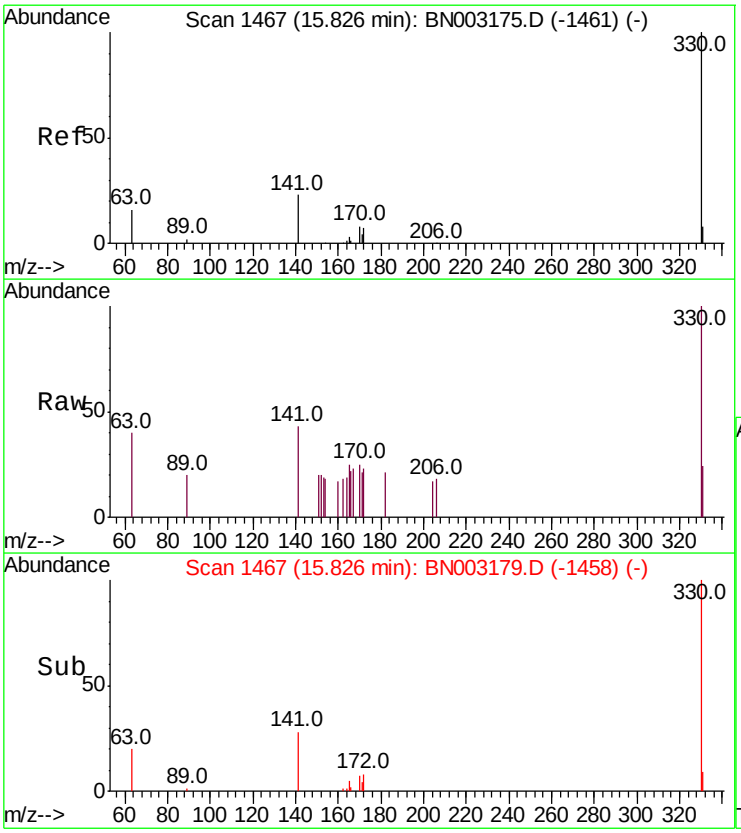

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.28 min Scan# 1328
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion:164 Resp: 3359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.6 | 81.7 | 122.5 |
| 160 | 47.1 | 36.3 | 54.5 |

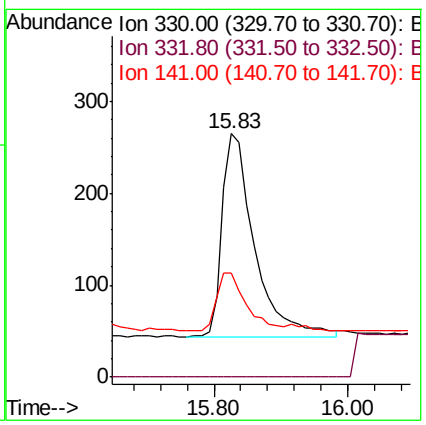


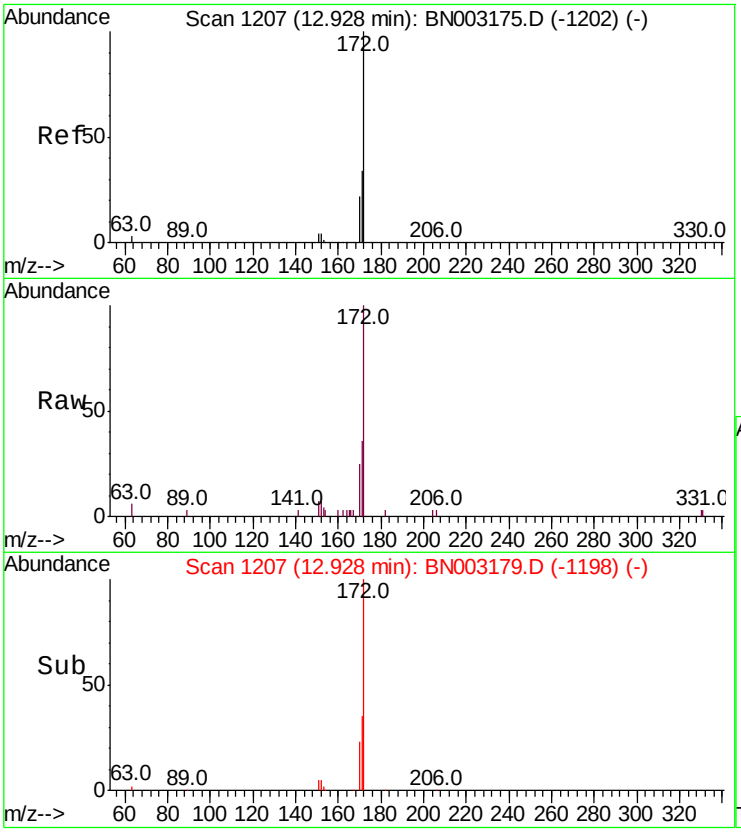




#14
2,4,6-Tribromophenol
Concen: 0.347 ng
RT: 15.83 min Scan# 1467
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

Tgt Ion:330 Resp: 743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 0.0 | 0.0 | 0.0 |
| 141 | 26.5 | 22.6 | 33.8 |



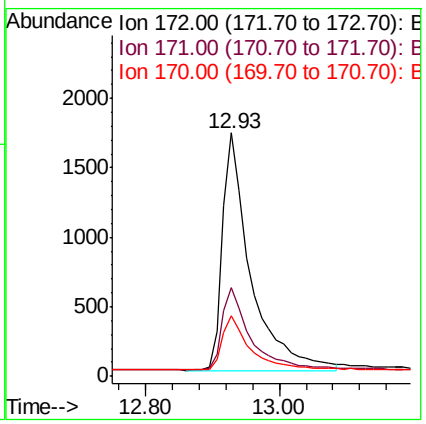


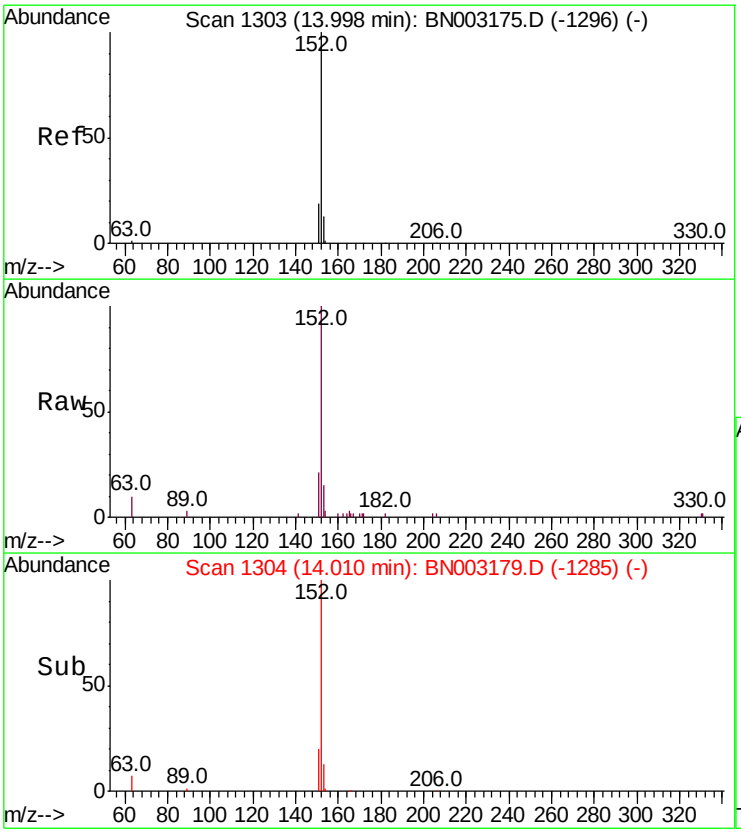

#15
2-Fluorobiphenyl
Concen: 0.376 ng
RT: 12.93 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion:172 Resp: 4976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.4 | 28.6 | 43.0 |
| 170 | 24.7 | 18.6 | 27.8 |

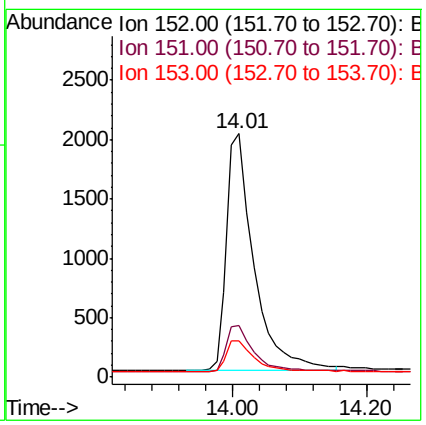


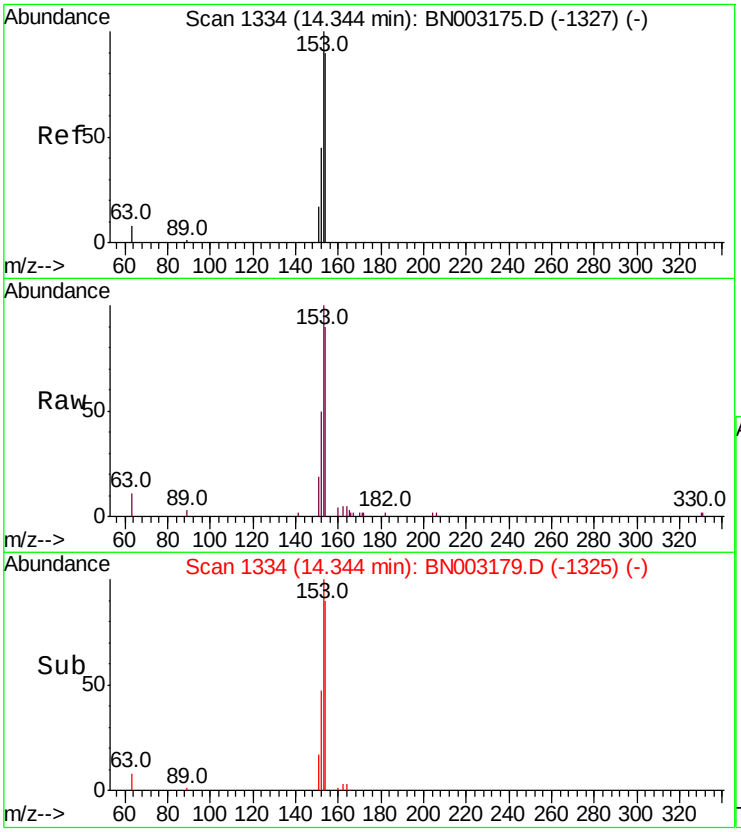




#16
Acenaphthylene
Concen: 0.374 ng
RT: 14.01 min Scan# 1304
Delta R.T. 0.01 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

Tgt Ion:152 Resp: 5711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.3 | 15.7 | 23.5 |
| 153 | 13.4 | 10.6 | 16.0 |



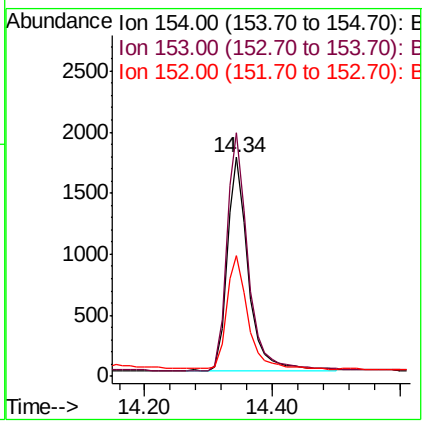


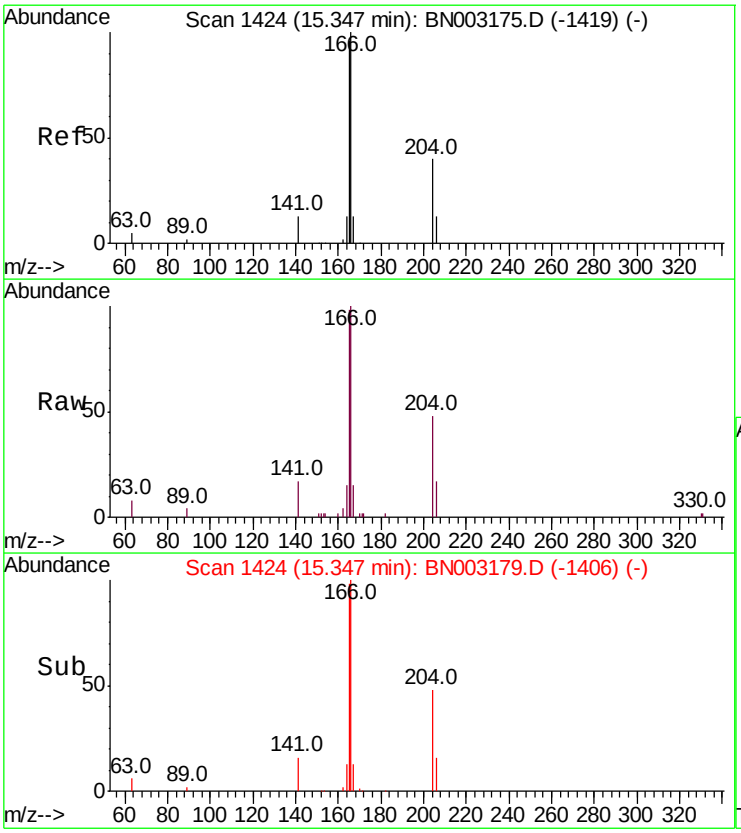

#17
Acenaphthene
Concen: 0.387 ng
RT: 14.34 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion:154 Resp: 3935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.7 | 91.0 | 136.4 |
| 152 | 54.6 | 43.8 | 65.6 |

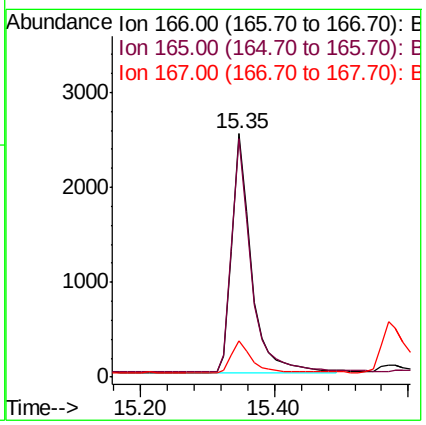


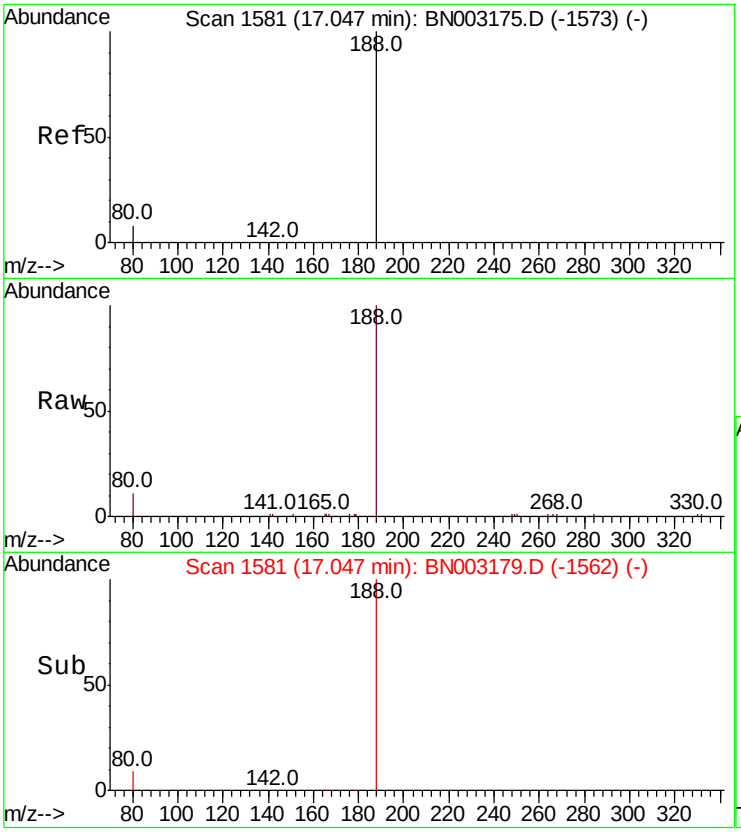




#18
Fluorene
Concen: 0.380 ng
RT: 15.35 min Scan# 1424
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

Tgt Ion:166 Resp: 5028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.1 | 78.2 | 117.2 |
| 167 | 13.8 | 10.7 | 16.1 |



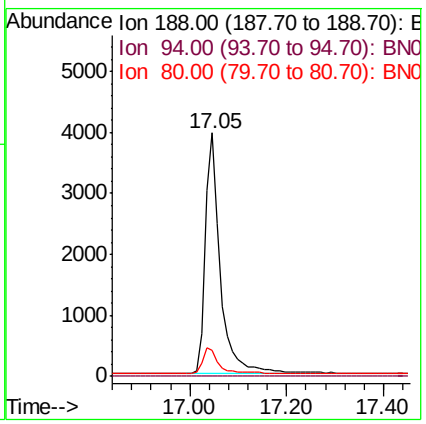


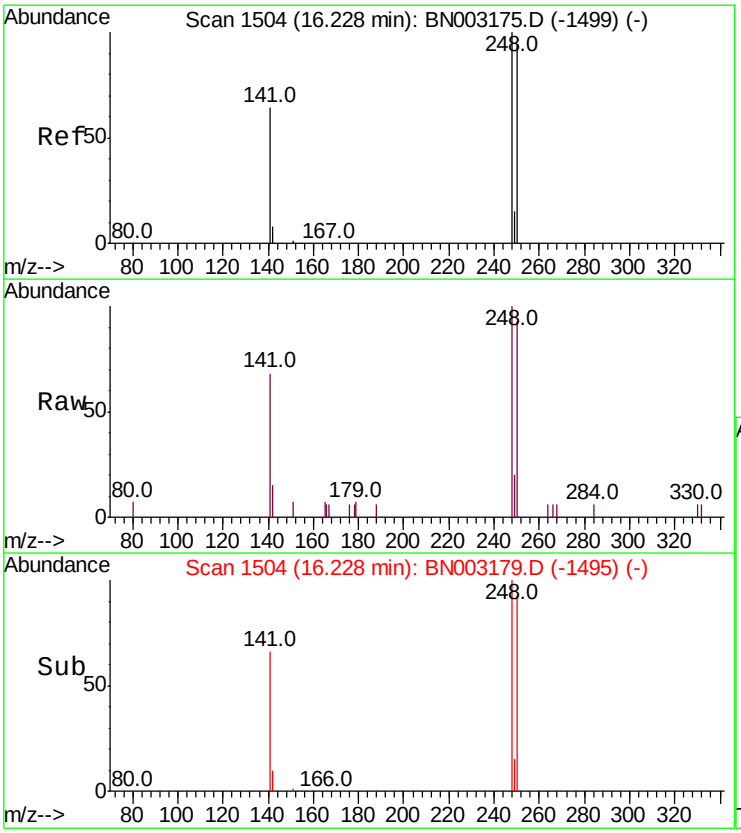

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion:188 Resp: 8510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 10.7 | 6.7 | 10.1# |

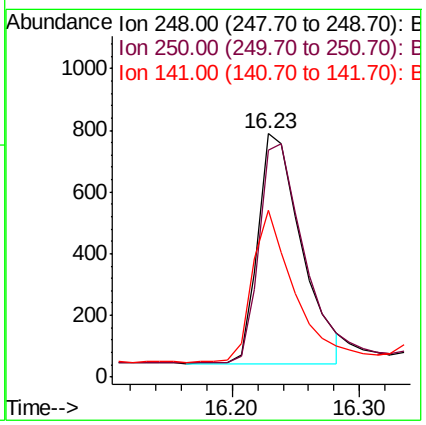


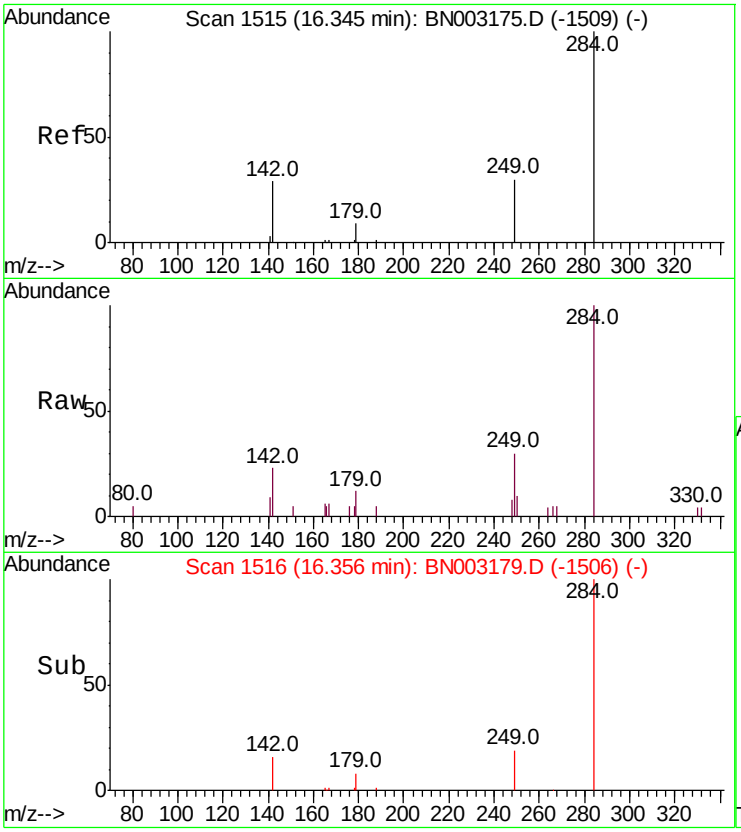




#20
4-Bromophenyl-phenylether
Concen: 0.374 ng
RT: 16.23 min Scan# 1504
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

Tgt Ion:248 Resp: 1775

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 93.2 | 78.9 | 118.3 |
| 141 | 68.4 | 48.5 | 72.7 |



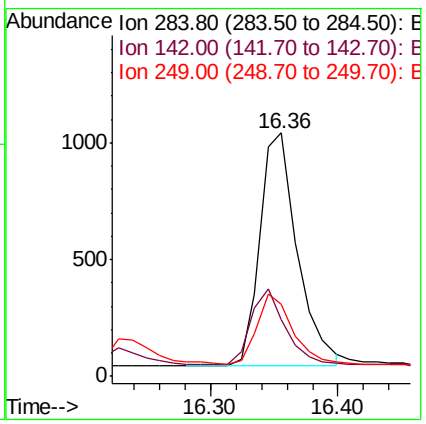


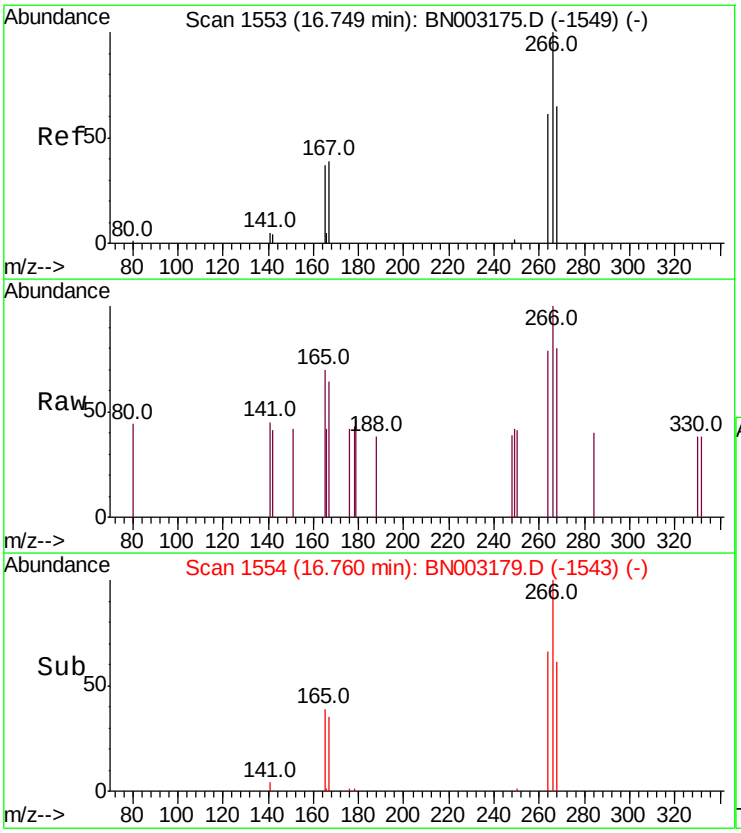

#21
Hexachlorobenzene
Concen: 0.386 ng
RT: 16.36 min Scan# 1516
Delta R.T. 0.01 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion:284 Resp: 2024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 30.1 | 24.6 | 37.0 |
| 249 | 28.2 | 22.3 | 33.5 |

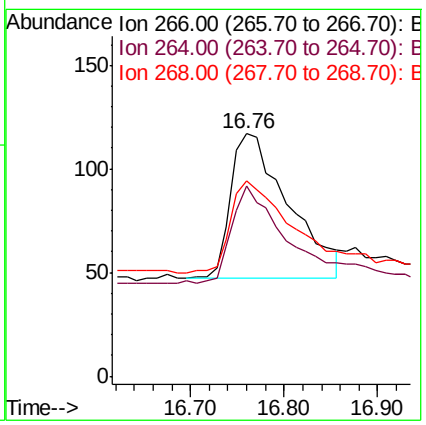


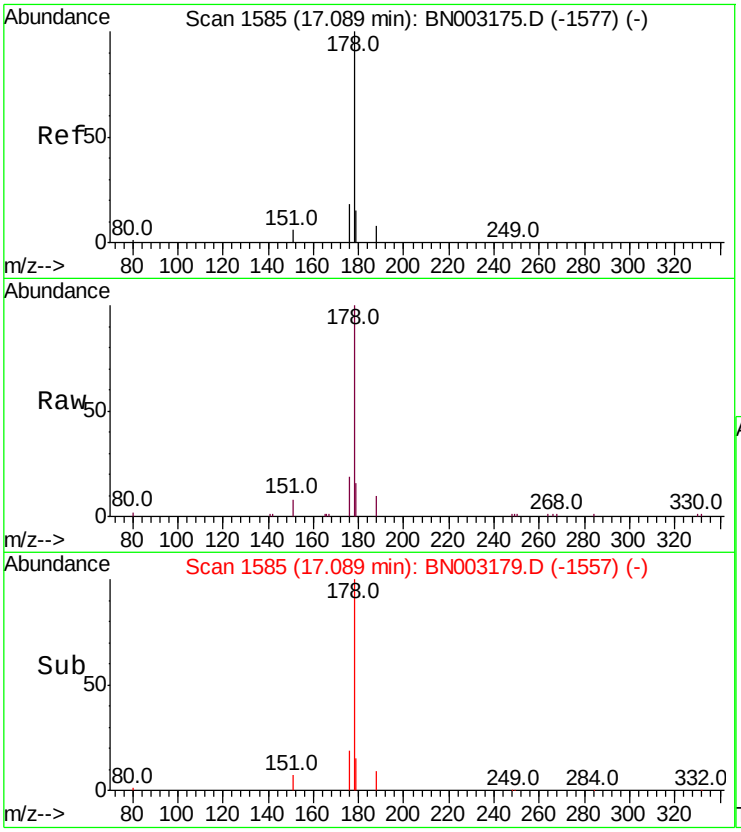




#22
Pentachlorophenol
Concen: 0.335 ng
RT: 16.76 min Scan# 1554
Delta R.T. 0.01 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

Tgt Ion:266 Resp: 301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 78.6 | 55.0 | 82.4 |
| 268 | 80.3 | 60.6 | 91.0 |



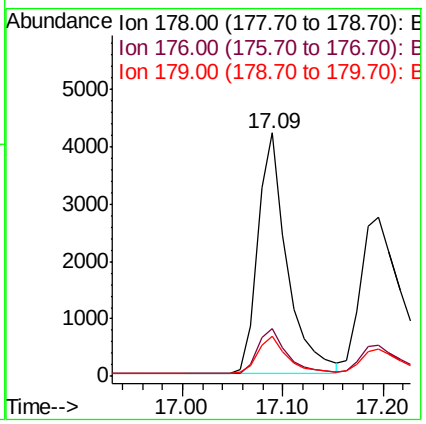


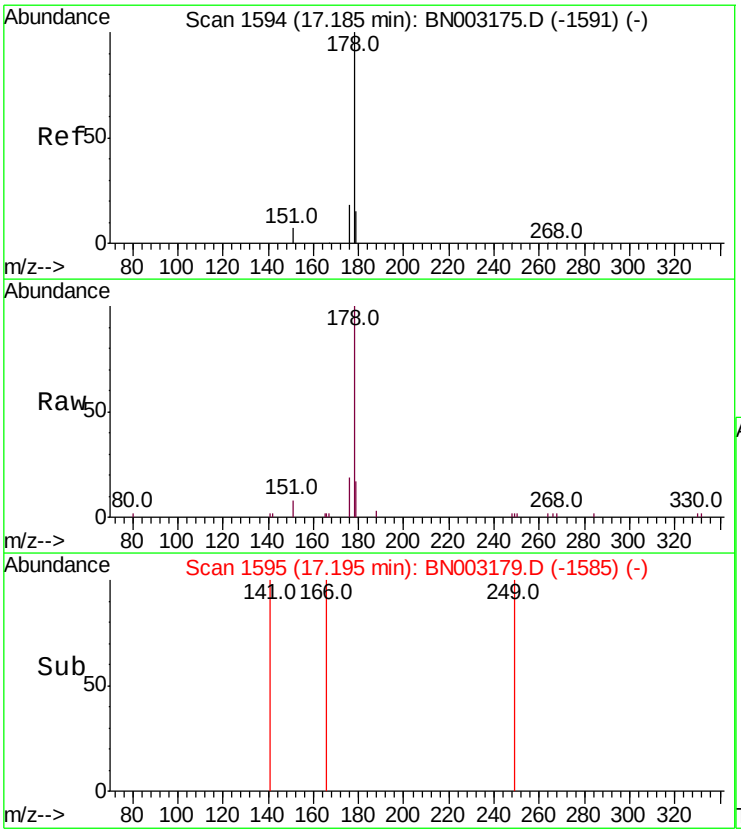

#23
Phenanthrene
Concen: 0.380 ng
RT: 17.09 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion:178 Resp: 8458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 14.9 | 22.3 |
| 179 | 15.4 | 12.3 | 18.5 |

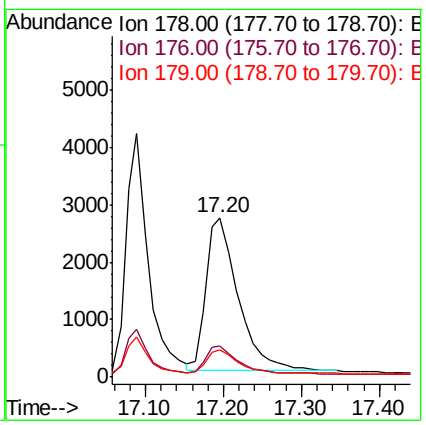


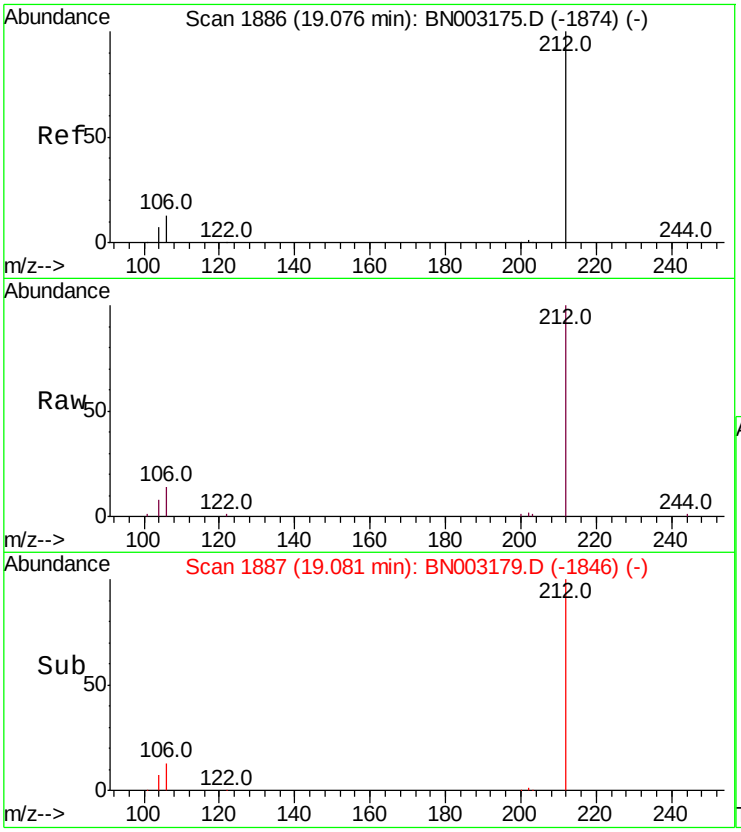




#24
Anthracene
Concen: 0.374 ng
RT: 17.20 min Scan# 1595
Delta R.T. 0.01 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

Tgt Ion:178 Resp: 7633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.1 | 14.6 | 22.0 |
| 179 | 15.0 | 12.3 | 18.5 |



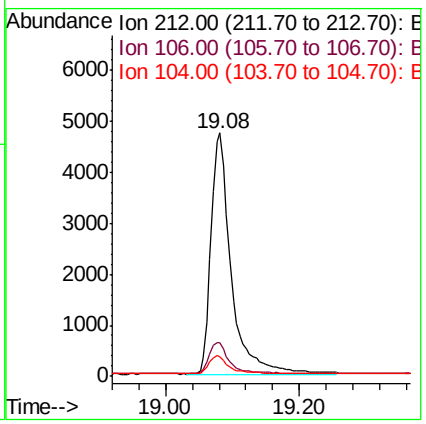


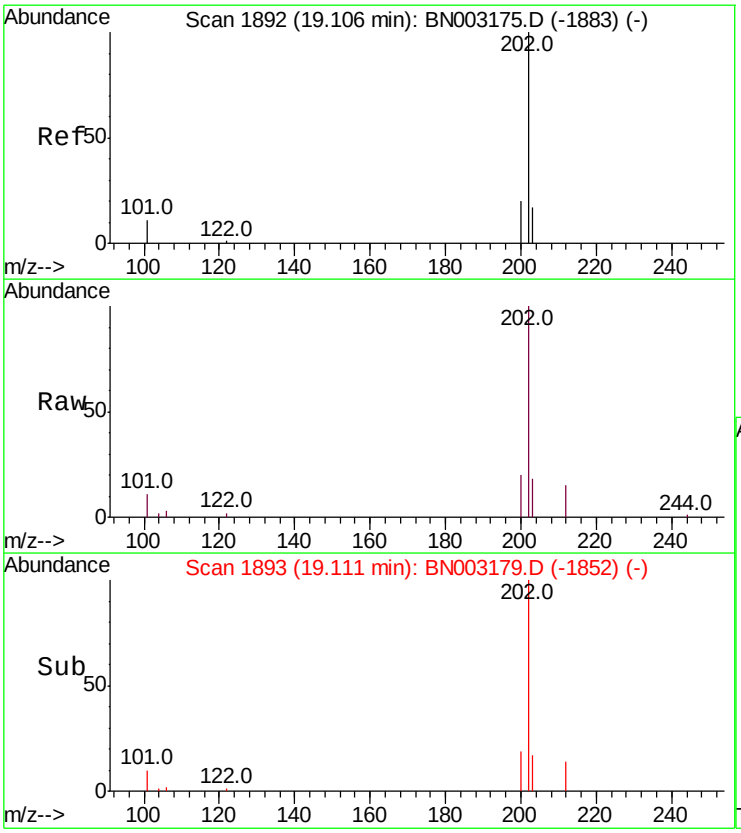

#25
Fluoranthene-d10
Concen: 0.376 ng
RT: 19.08 min Scan# 1887
Delta R.T. 0.01 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion:212 Resp: 9922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 13.4 | 10.2 | 15.4 |
| 104 | 7.3 | 5.8 | 8.6 |

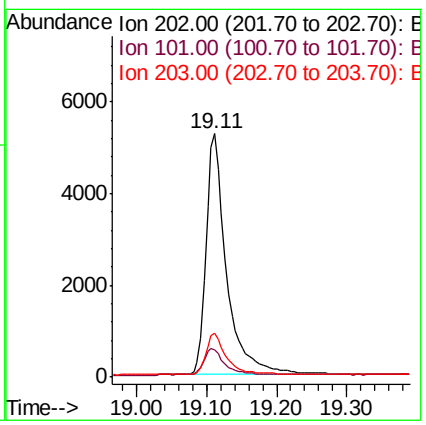


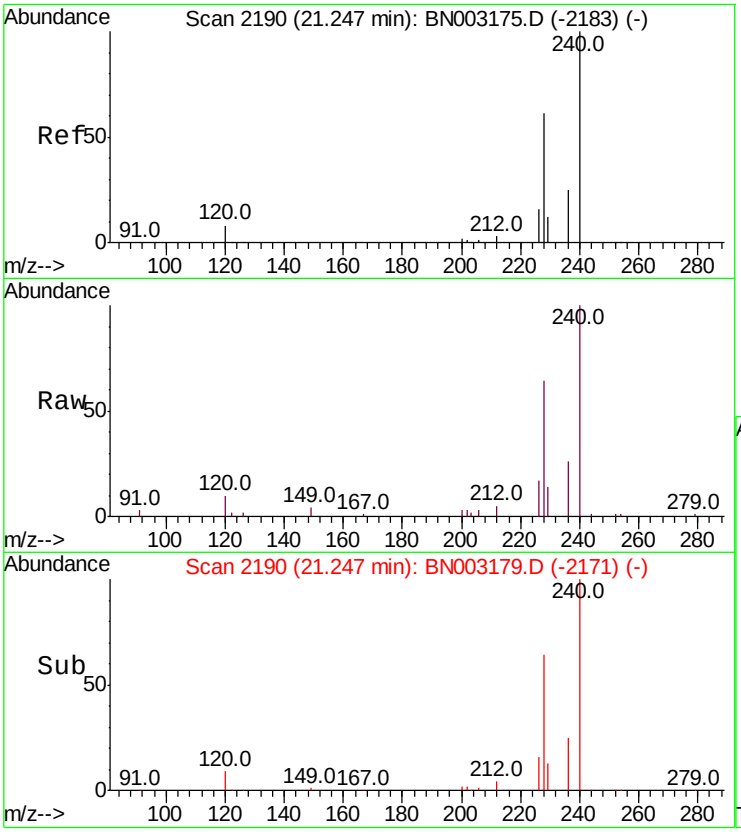




#26
Fluoranthene
Concen: 0.378 ng
RT: 19.11 min Scan# 1893
Delta R.T. 0.01 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

Tgt Ion:202 Resp: 10797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.2 | 8.6 | 12.8 |
| 203 | 17.0 | 13.7 | 20.5 |



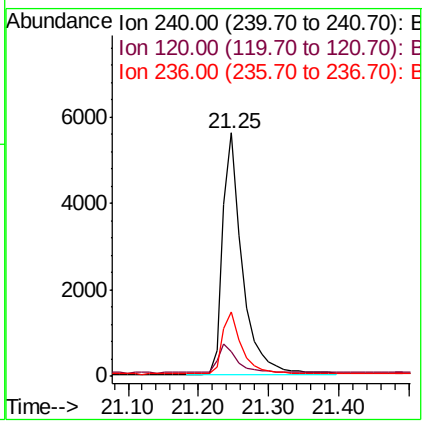


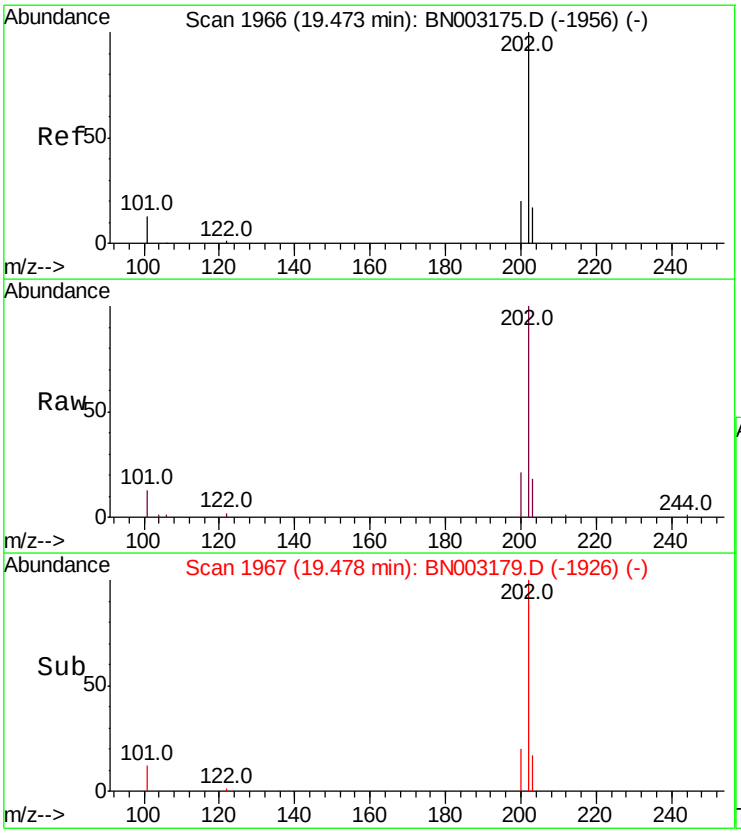

#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2190
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion:240 Resp: 10813

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.0 | 7.8 | 11.8 |
| 236 | 26.2 | 21.0 | 31.4 |

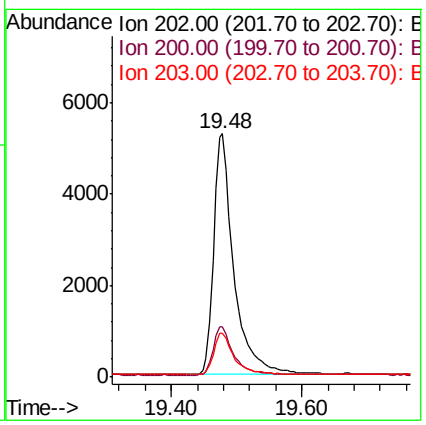


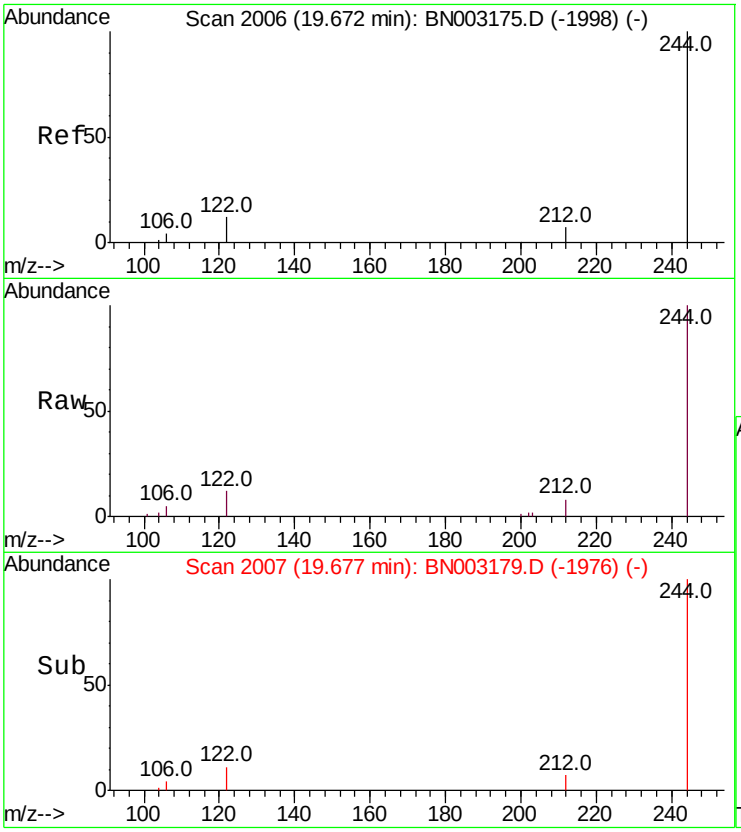




#28
Pyrene
Concen: 0.375 ng
RT: 19.48 min Scan# 1967
Delta R.T. 0.01 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

Tgt Ion:202 Resp: 11328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.3 | 16.3 | 24.5 |
| 203 | 17.4 | 14.2 | 21.2 |



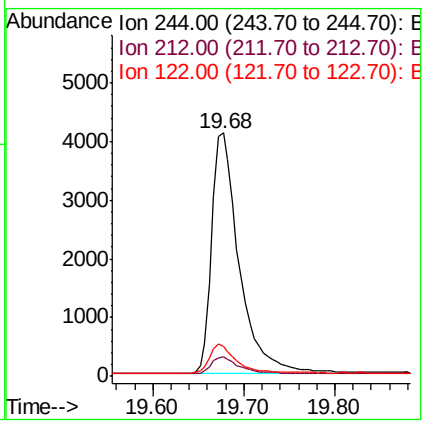


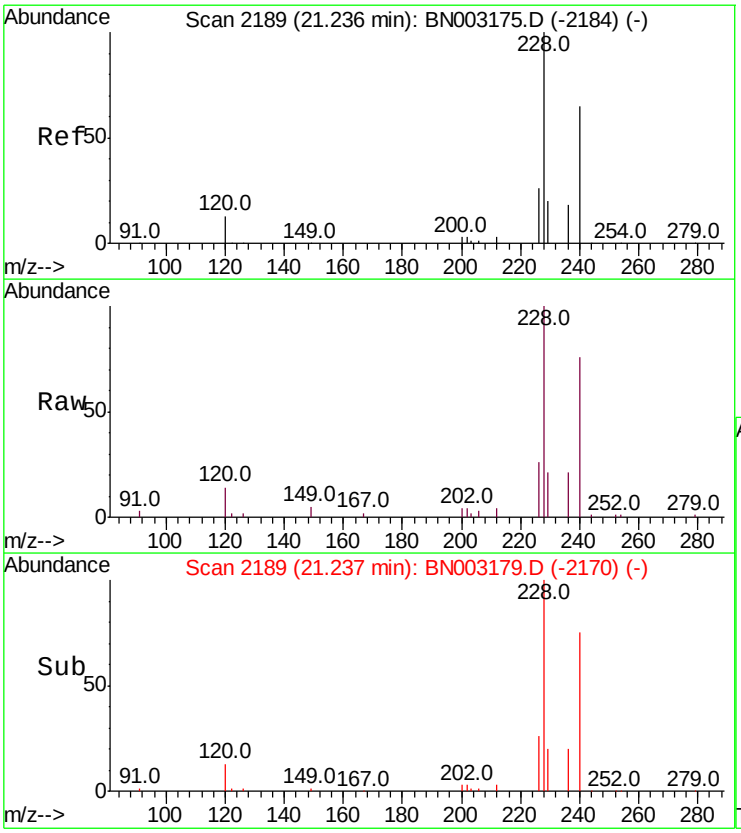

#29
Terphenyl-d14
Concen: 0.366 ng
RT: 19.68 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion:244 Resp: 8581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.8 | 6.2 | 9.4 |
| 122 | 12.3 | 9.1 | 13.7 |

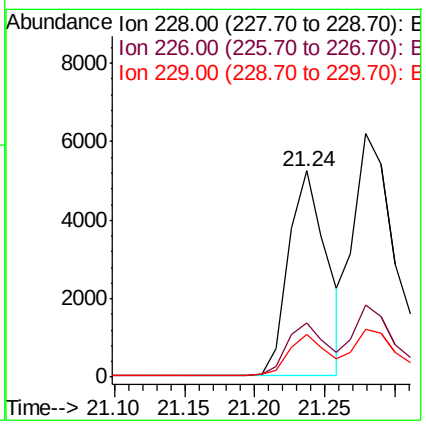


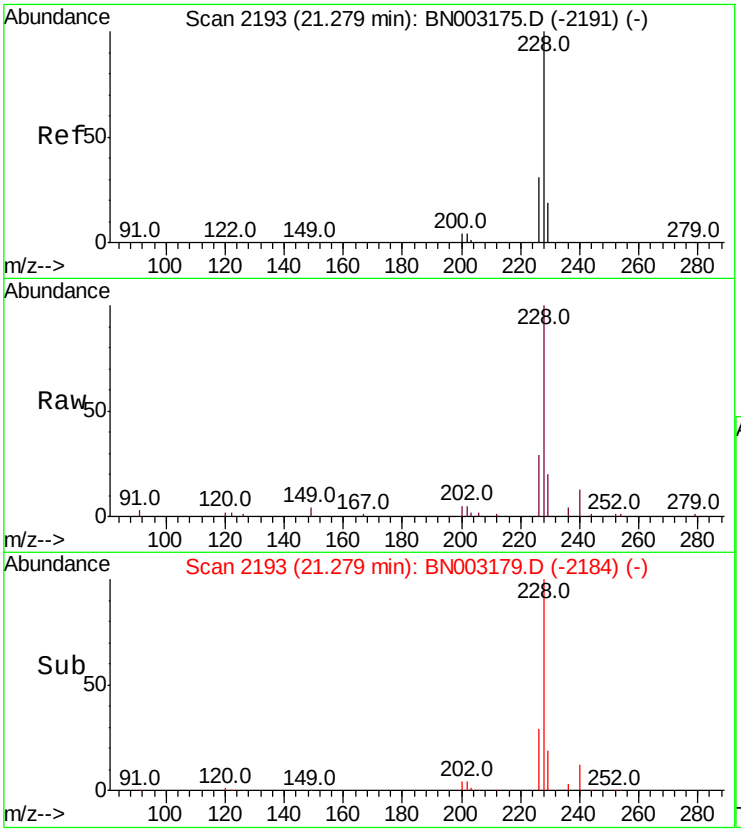




#30
Benzo(a)anthracene
Concen: 0.338 ng
RT: 21.24 min Scan# 2189
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

Tgt Ion:228 Resp: 9836

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.3 | 21.4 | 32.2 |
| 229 | 20.5 | 16.4 | 24.6 |



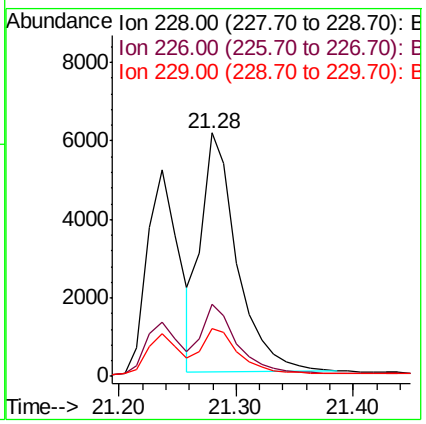


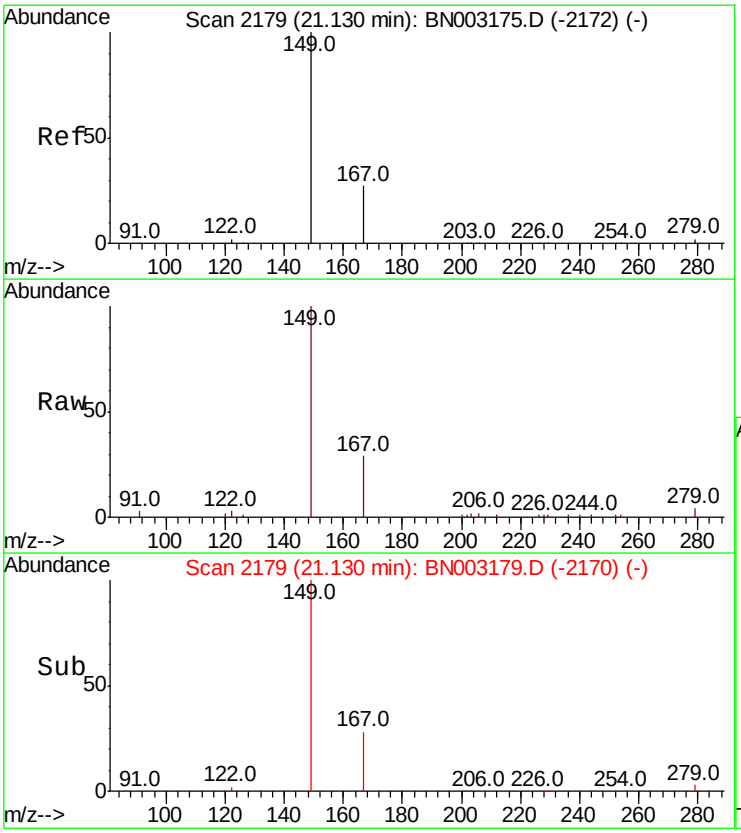

#31
Chrysene
Concen: 0.391 ng
RT: 21.28 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion:228 Resp: 13006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 23.1 | 34.7 |
| 229 | 19.8 | 15.9 | 23.9 |

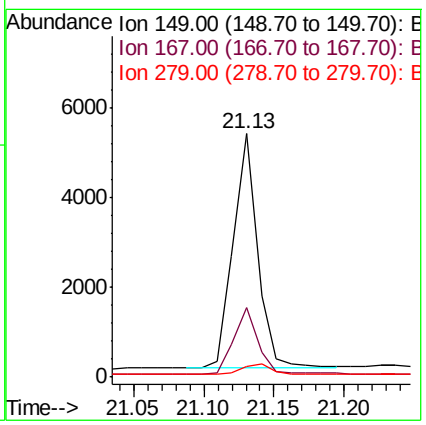


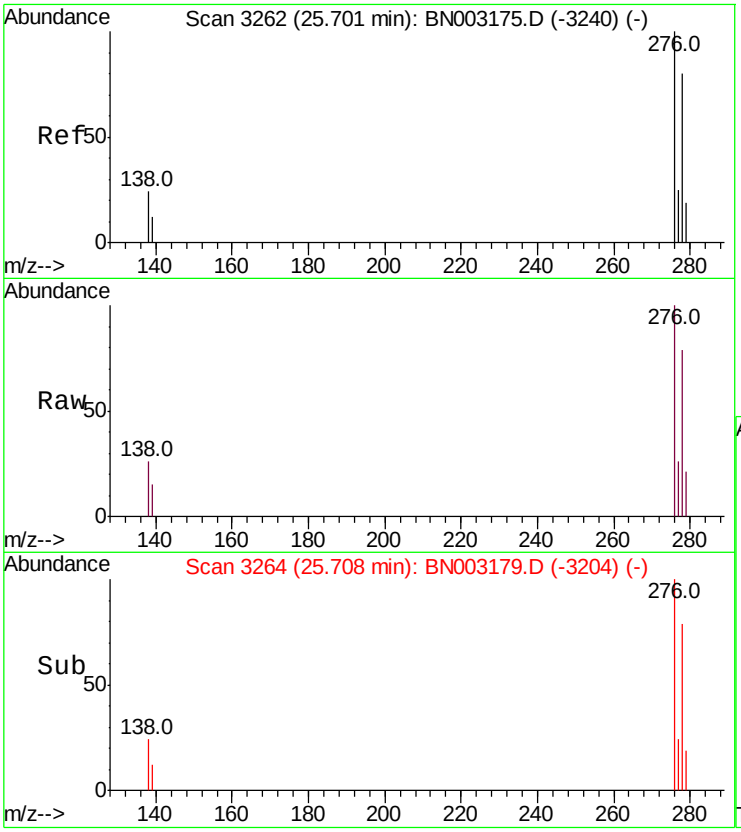




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.357 ng
RT: 21.13 min Scan# 2179
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

Tgt Ion:149 Resp: 6280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.5 | 22.2 | 33.4 |
| 279 | 5.0 | 3.7 | 5.5 |



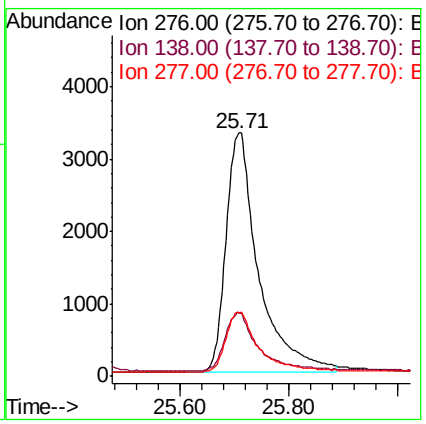


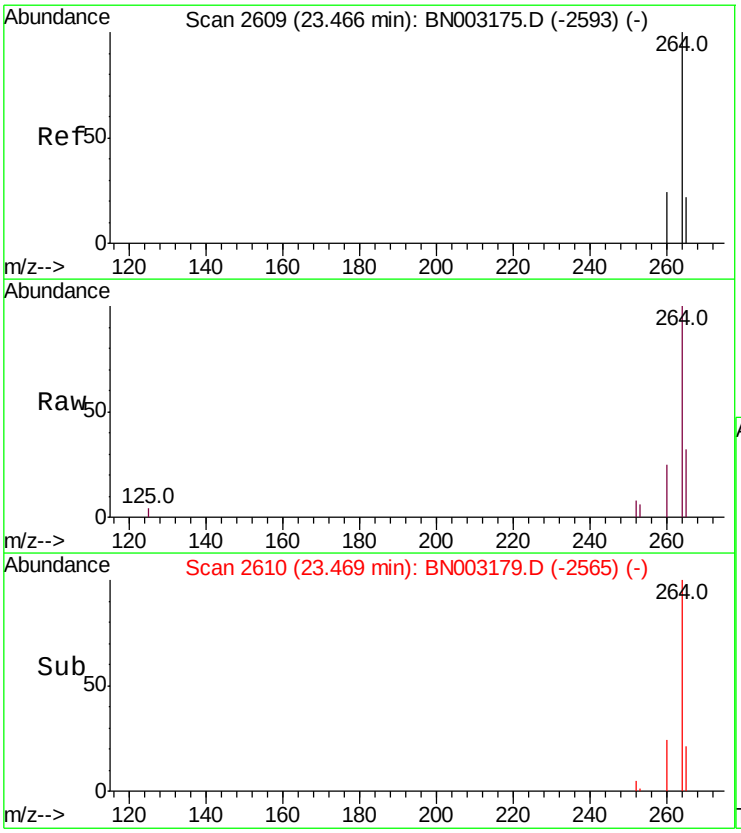

#33
Indeno(1,2,3-cd)pyrene
Concen: 0.352 ng
RT: 25.71 min Scan# 3264
Delta R.T. 0.01 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion:276 Resp: 13825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.5 | 18.2 | 27.4 |
| 277 | 24.9 | 20.2 | 30.4 |

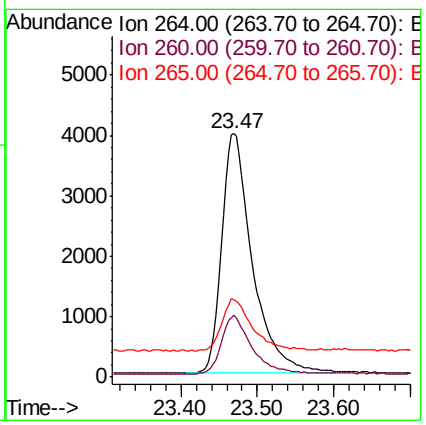


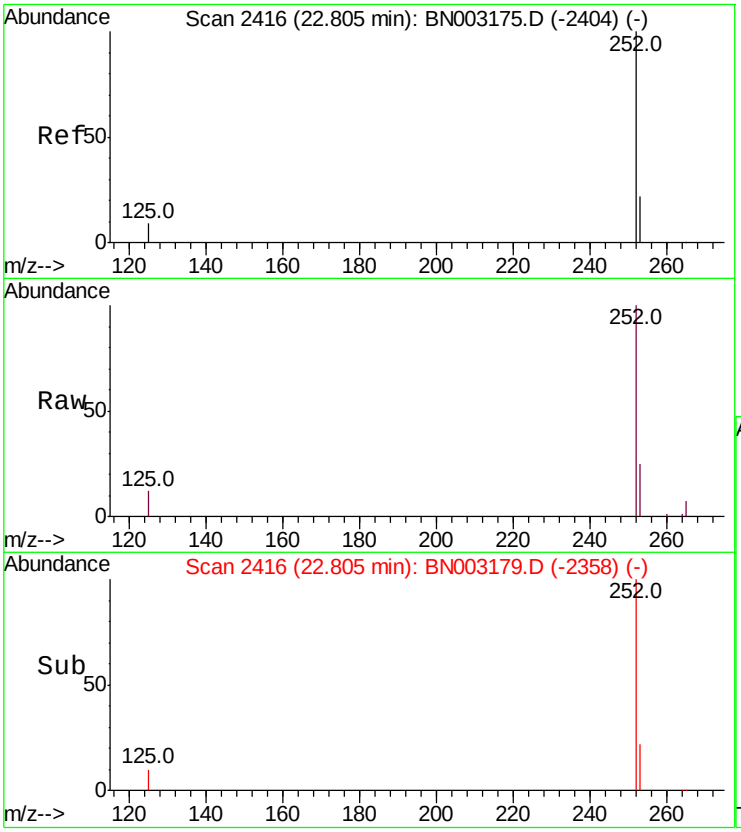




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2610
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

Tgt Ion:264 Resp: 11221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.2 | 19.7 | 29.5 |
| 265 | 31.7 | 27.6 | 41.4 |



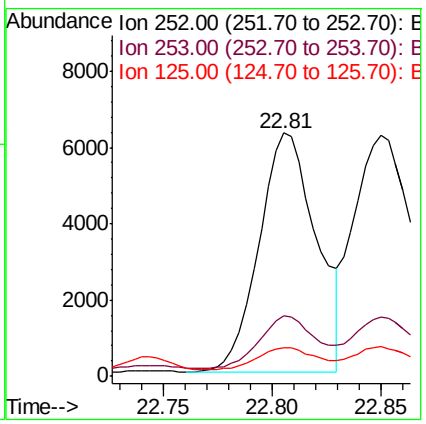


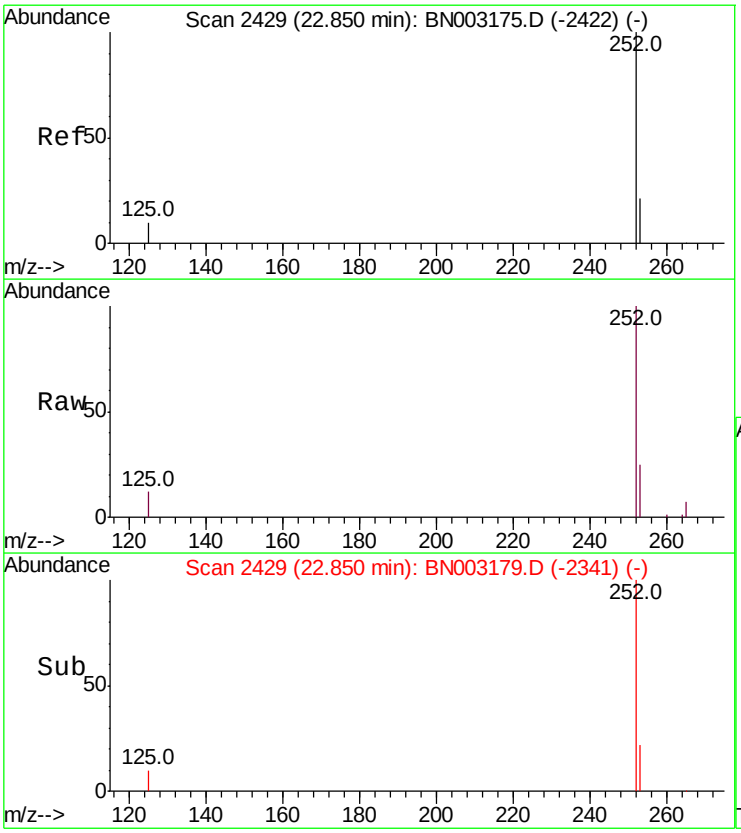

#35
Benzo(b)fluoranthene
Concen: 0.379 ng
RT: 22.81 min Scan# 2416
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion:252 Resp: 11480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.6 | 20.8 | 31.2 |
| 125 | 11.9 | 9.6 | 14.4 |

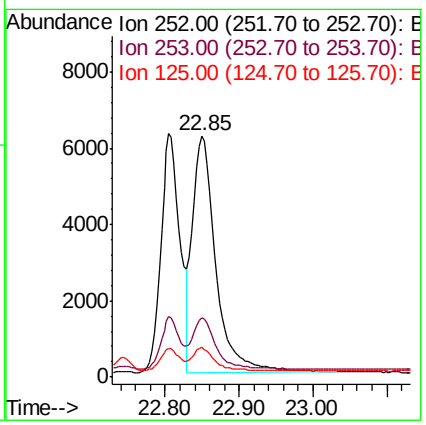


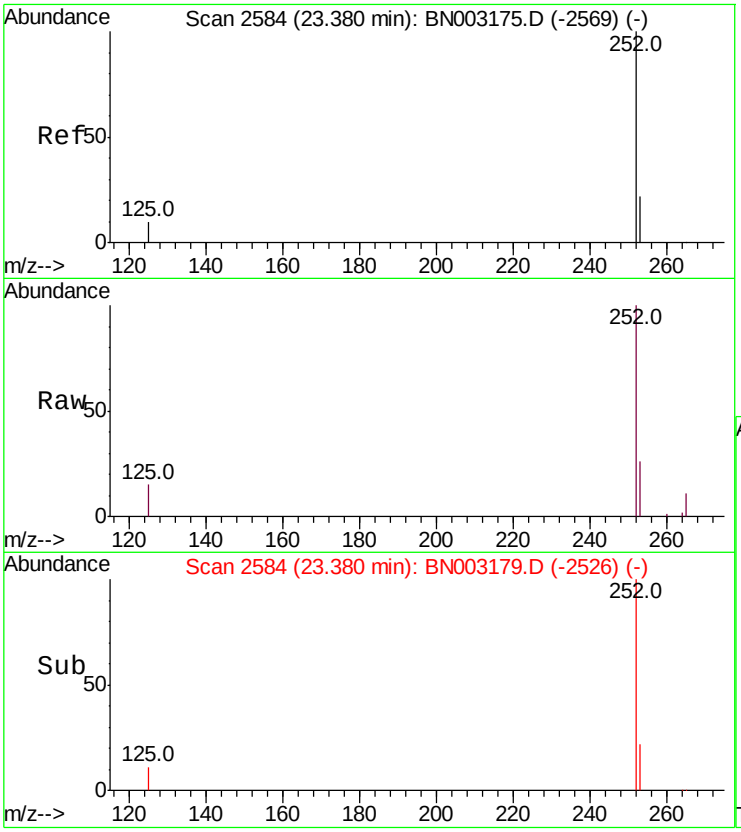




#36
Benzo(k)fluoranthene
Concen: 0.378 ng
RT: 22.85 min Scan# 2429
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

Tgt Ion:252 Resp: 13533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.6 | 20.5 | 30.7 |
| 125 | 12.2 | 9.4 | 14.0 |



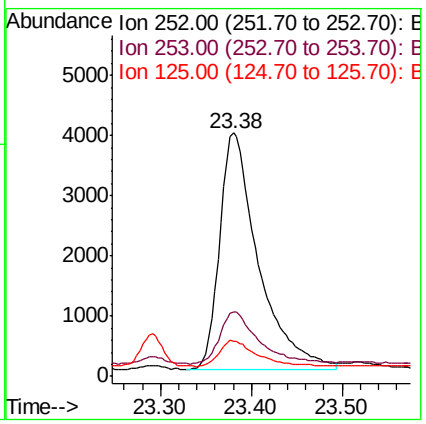


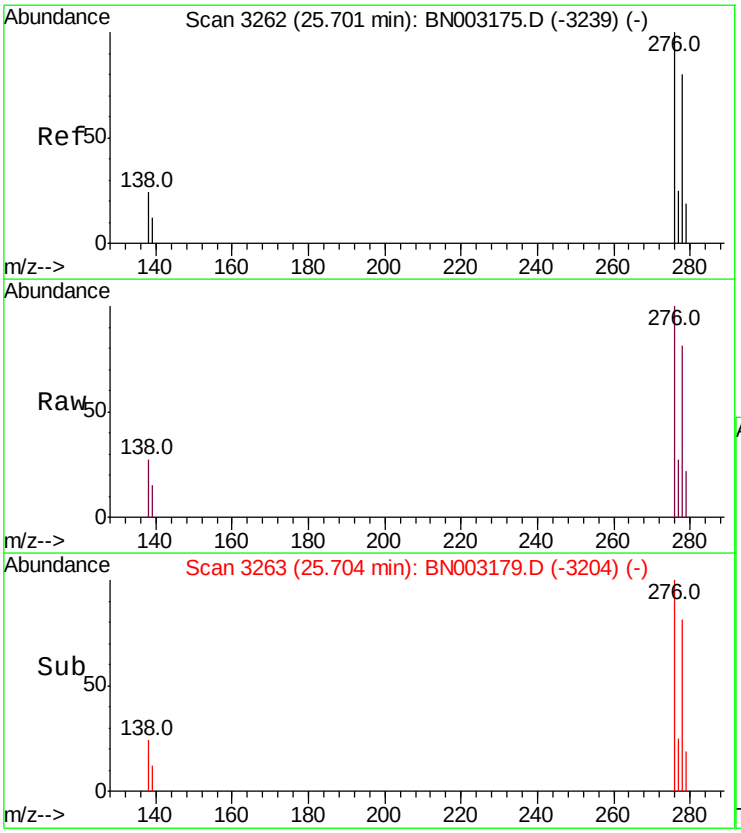

#37
Benzo(a)pyrene
Concen: 0.371 ng
RT: 23.38 min Scan# 2584
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion:252 Resp: 11590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.3 | 22.4 | 33.6 |
| 125 | 14.6 | 11.4 | 17.0 |

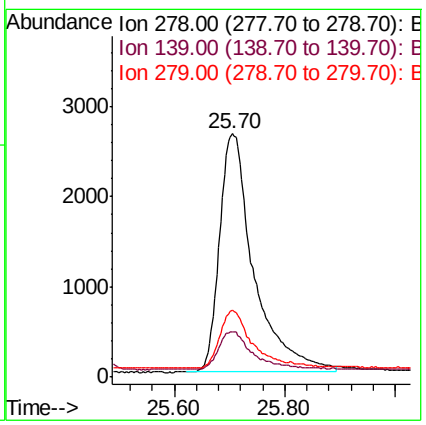


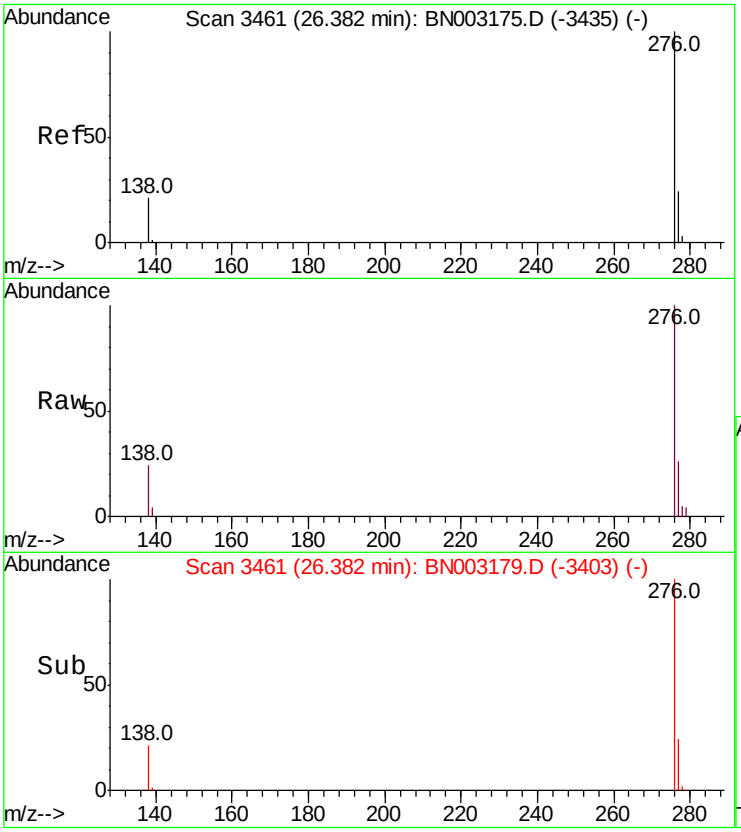




#38
Dibenzo(a,h)anthracene
Concen: 0.360 ng
RT: 25.70 min Scan# 3263
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

Tgt Ion:278 Resp: 11481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.5 | 14.6 | 21.8 |
| 279 | 27.3 | 23.1 | 34.7 |






#39
Benzo(g,h,i)perylene
Concen: 0.364 ng
RT: 26.38 min Scan# 3461
Delta R.T. 0.00 min
Lab File: BN003179.D
Acq: 17 Oct 2018 13:23

**Instrument :**
BNA_N
**ClientSampleId :**
ICVBN101718

Tgt Ion:276 Resp: 11736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.7 | 21.0 | 31.4 |
| 138 | 23.6 | 18.1 | 27.1 |