Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091119\
Data File : BN007593.D
Acq On : 11 Sep 2019 18:15
Operator : HP/JU
Sample : PB122993BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** PB122993BSD

Quant Time: Sep 12 06:39:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 11 14:14:20 2019
Response via : Initial Calibration

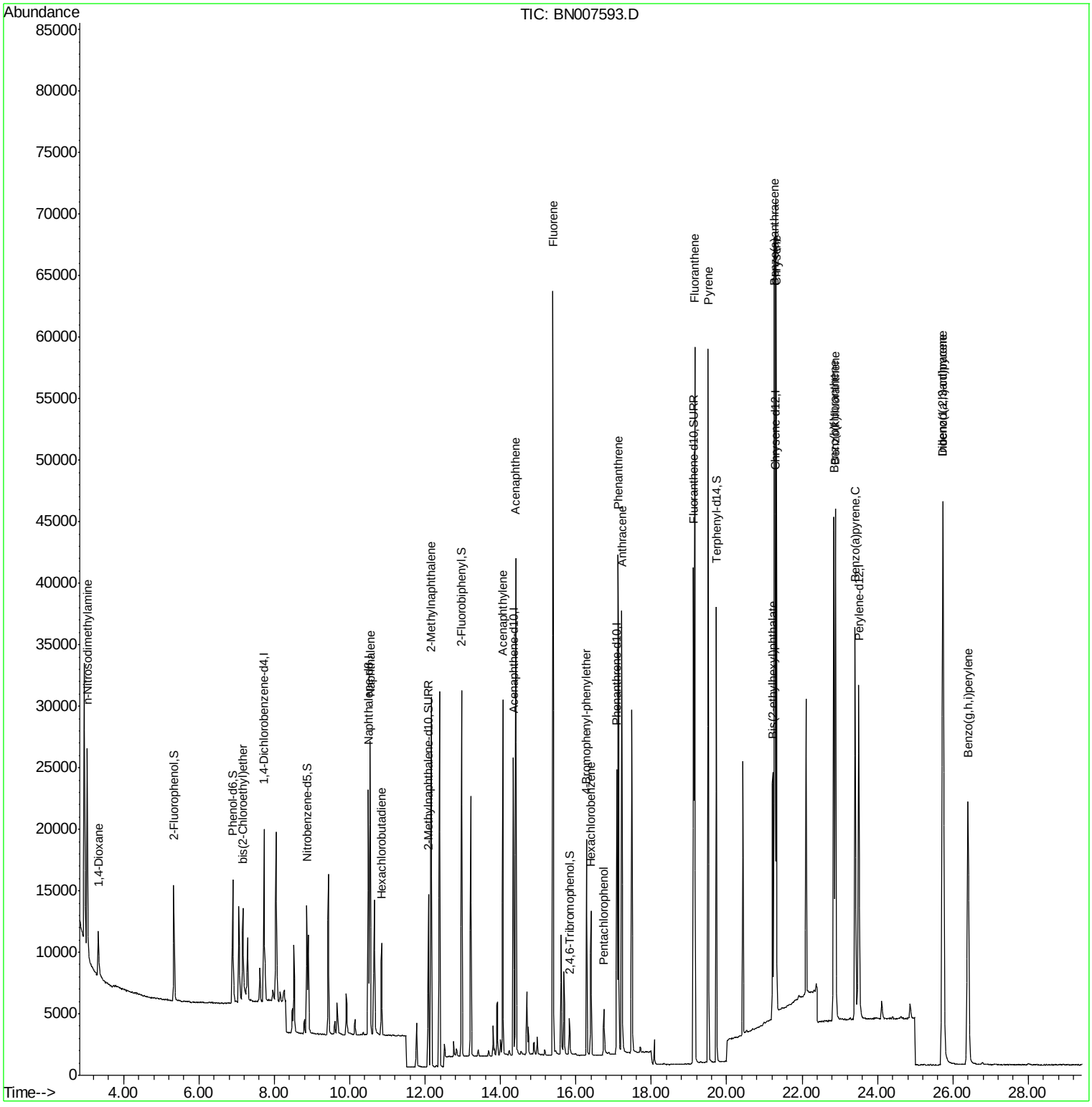
| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.73 | 152 | 6476 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.49 | 136 | 25383 | 0.40 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.35 | 164 | 15123 | 0.40 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 17.08 | 188 | 32190 | 0.40 | ng | | -0.01 |
| 27) Chrysene-d12 | 21.28 | 240 | 33523 | 0.40 | ng | | -0.01 |
| 34) Perylene-d12 | 23.50 | 264 | 35657 | 0.40 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.34 | 112 | 8192 | 0.42 | ng | | 0.00 |
| 5) Phenol-d6 | 6.90 | 99 | 10553 | 0.40 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.86 | 82 | 8889 | 0.57 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.09 | 152 | 18474 | 0.42 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.83 | 330 | 2319 | 0.40 | ng | | -0.01 |
| 15) 2-Fluorobiphenyl | 12.97 | 172 | 25350 | 0.41 | ng | | -0.01 |
| 25) Fluoranthene-d10 | 19.12 | 212 | 44435 | 0.42 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.73 | 244 | 37292 | 0.43 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.33 | 88 | 3023 | 0.494 | ng | | 93 |
| 3) n-Nitrosodimethylamine | 3.03 | 42 | 2014 | 0.521 | ng | # | 100 |
| 6) bis(2-Chloroethyl)ether | 7.16 | 93 | 7605 | 0.594 | ng | # | 84 |
| 9) Naphthalene | 10.54 | 128 | 30832 | 0.432 | ng | | 99 |
| 10) Hexachlorobutadiene | 10.85 | 225 | 6431 | 0.449 | ng | # | 99 |
| 12) 2-Methylnaphthalene | 12.16 | 142 | 20940 | 0.418 | ng | | 100 |
| 16) Acenaphthylene | 14.06 | 152 | 30911 | 0.381 | ng | | 100 |
| 17) Acenaphthene | 14.40 | 154 | 20043 | 0.391 | ng | | 100 |
| 18) Fluorene | 15.39 | 166 | 25564 | 0.378 | ng | | 100 |
| 20) 4-Bromophenyl-phenylether | 16.28 | 248 | 8389 | 0.441 | ng | # | 90 |
| 21) Hexachlorobenzene | 16.40 | 284 | 9104 | 0.455 | ng | | 98 |
| 22) Pentachlorophenol | 16.74 | 266 | 2285 | 0.517 | ng | | 98 |
| 23) Phenanthrene | 17.12 | 178 | 42607 | 0.429 | ng | | 100 |
| 24) Anthracene | 17.22 | 178 | 38624 | 0.421 | ng | | 100 |
| 26) Fluoranthene | 19.15 | 202 | 51313 | 0.426 | ng | | 100 |
| 28) Pyrene | 19.51 | 202 | 51664 | 0.429 | ng | | 100 |
| 30) Benzo(a)anthracene | 21.26 | 228 | 51594 | 0.430 | ng | | 99 |
| 31) Chrysene | 21.31 | 228 | 51599 | 0.423 | ng | | 99 |
| 32) Bis(2-ethylhexyl)phthalate | 21.22 | 149 | 20970 | 0.511 | ng | | 98 |
| 33) Indeno(1,2,3-cd)pyrene | 25.73 | 276 | 57045 | 0.443 | ng | # | 100 |
| 35) Benzo(b)fluoranthene | 22.84 | 252 | 50766 | 0.400 | ng | | 99 |
| 36) Benzo(k)fluoranthene | 22.88 | 252 | 52138 | 0.416 | ng | | 98 |
| 37) Benzo(a)pyrene | 23.41 | 252 | 46690 | 0.414 | ng | | 99 |
| 38) Dibenzo(a,h)anthracene | 25.74 | 278 | 47413 | 0.419 | ng | | 99 |
| 39) Benzo(g,h,i)perylene | 26.40 | 276 | 46525 | 0.406 | ng | | 99 |

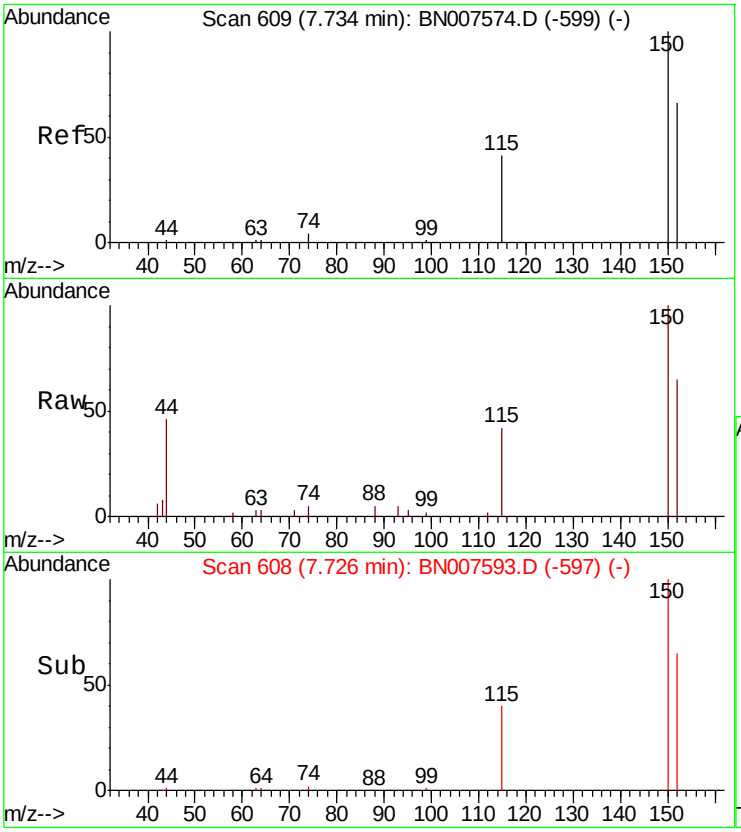
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN091119\
Data File : BN007593.D
Acq On : 11 Sep 2019 18:15
Operator : HP/JU
Sample : PB122993BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Quant Time: Sep 12 06:39:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 11 14:14:20 2019
Response via : Initial Calibration



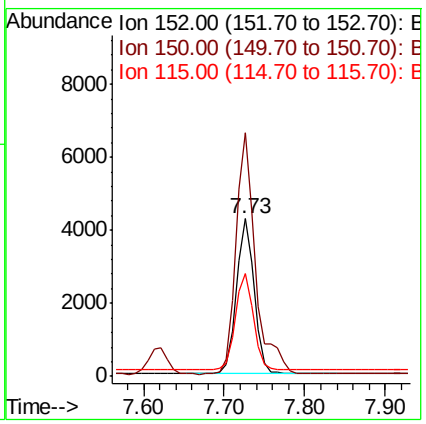


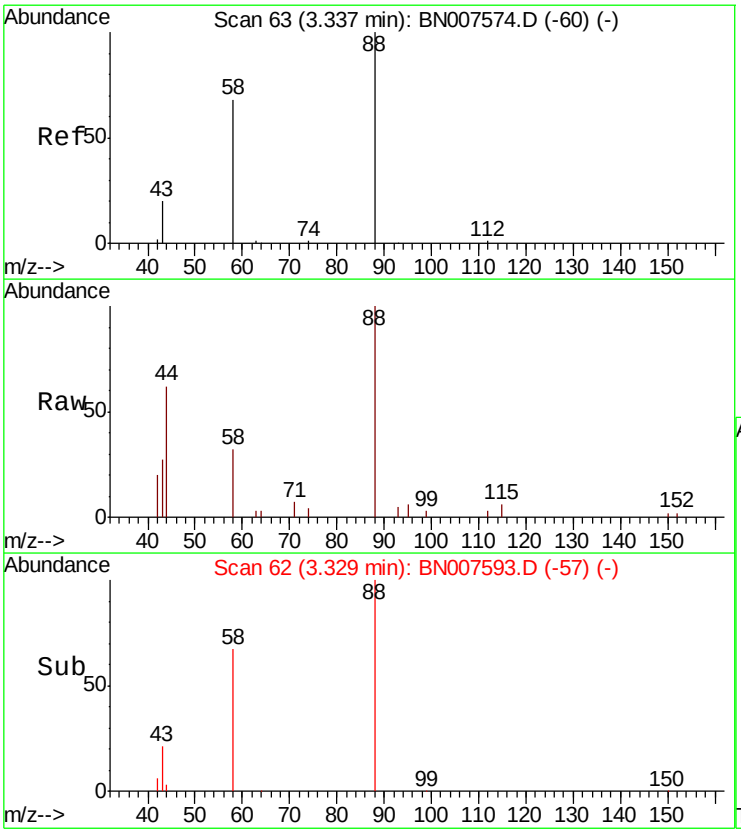

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.73 min Scan# 608
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion:152 Resp: 6476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.6 | 119.5 | 179.3 |
| 115 | 65.0 | 53.0 | 79.6 |

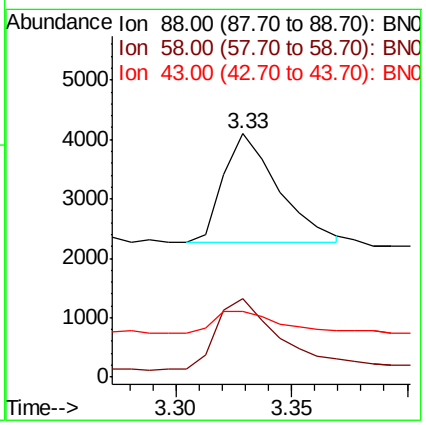


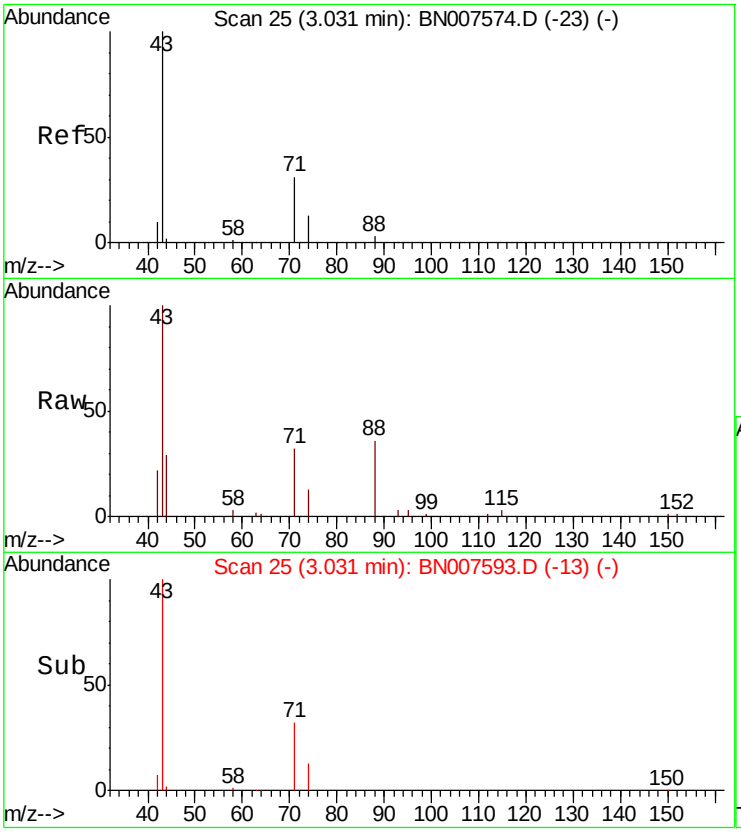




#2
1,4-Dioxane
Concen: 0.494 ng
RT: 3.33 min Scan# 62
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

Tgt Ion: 88 Resp: 3023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 72.5 | 64.6 | 96.8 |
| 43 | 23.6 | 19.2 | 28.8 |



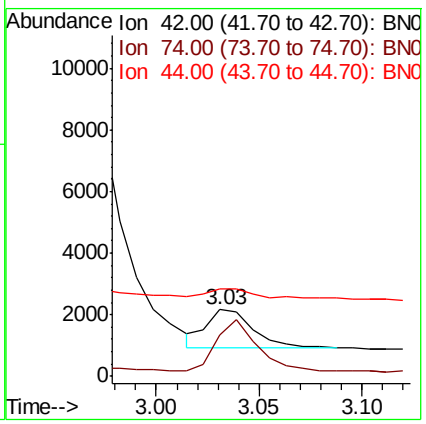


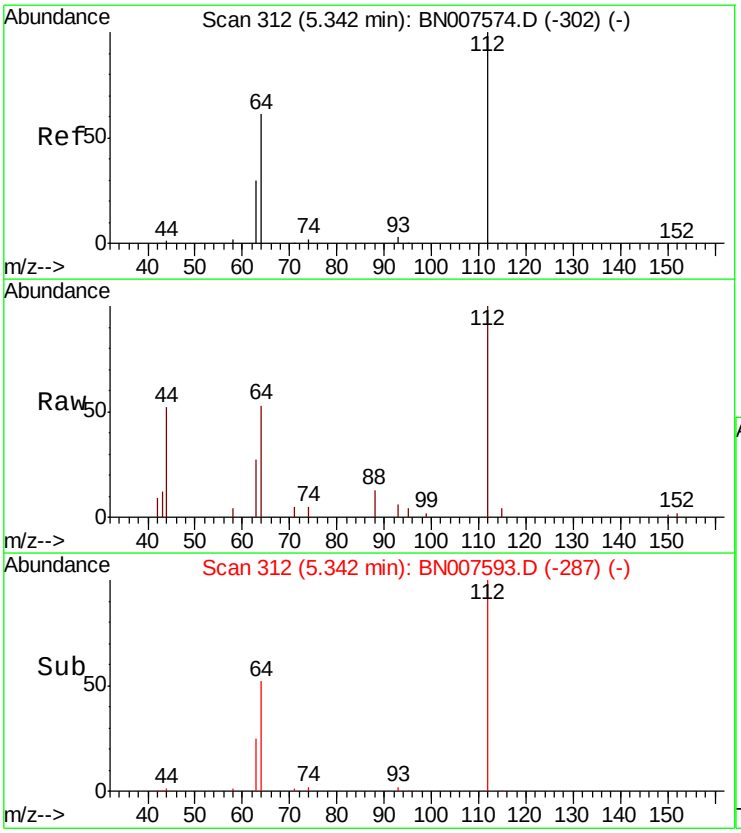

#3
n-Nitrosodimethylamine
Concen: 0.521 ng
RT: 3.03 min Scan# 25
Delta R.T. 0.00 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion: 42 Resp: 2014

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 112.0 | 0.0 | 0.0# |
| 44 | 28.3 | 0.0 | 0.0# |

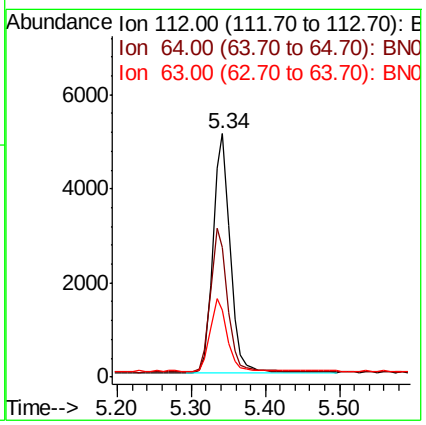


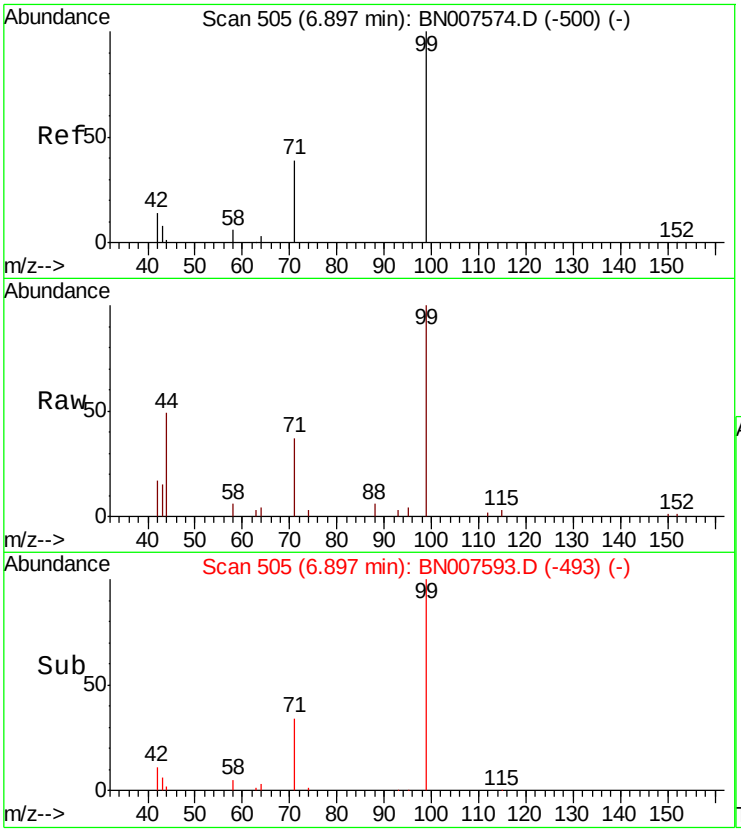




#4
2-Fluorophenol
Concen: 0.415 ng
RT: 5.34 min Scan# 312
Delta R.T. 0.00 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

Tgt Ion:112 Resp: 8192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.4 | 49.2 | 73.8 |
| 63 | 29.8 | 26.0 | 39.0 |



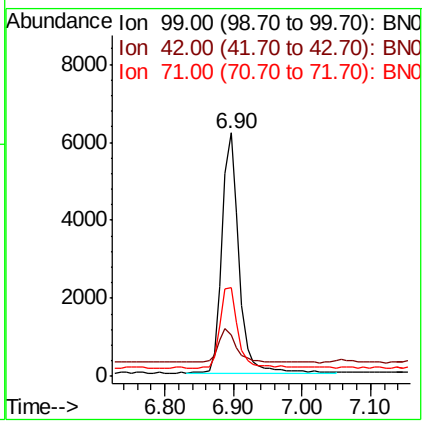


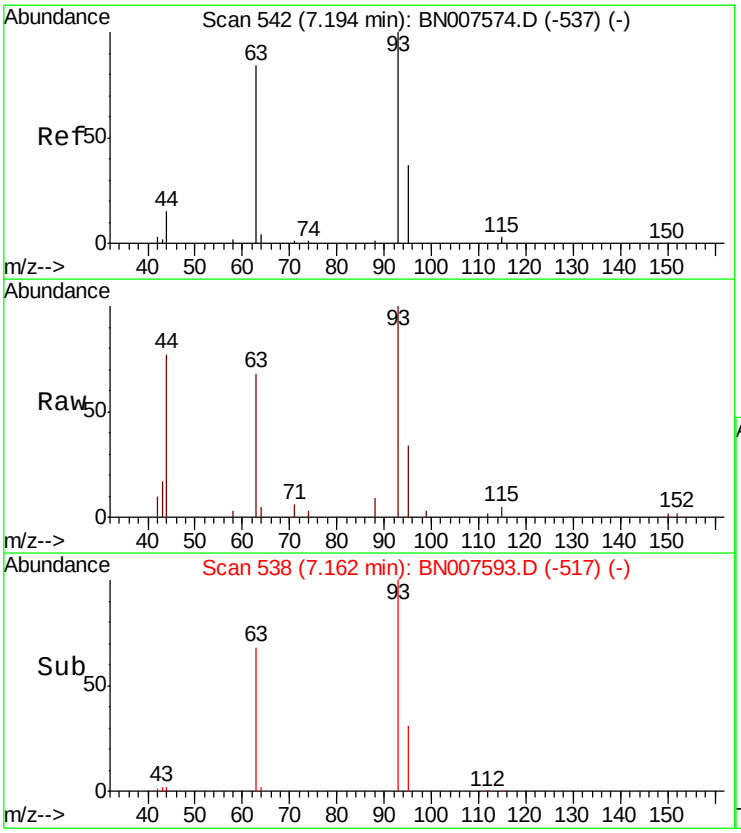

#5
Phenol-d6
Concen: 0.399 ng
RT: 6.90 min Scan# 505
Delta R.T. 0.00 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion: 99 Resp: 10553

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 14.8 | 11.8 | 17.8 |
| 71 | 35.6 | 28.8 | 43.2 |

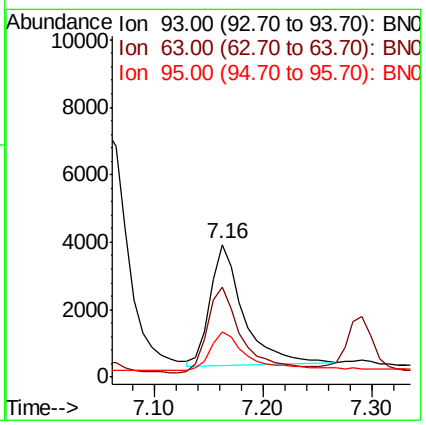


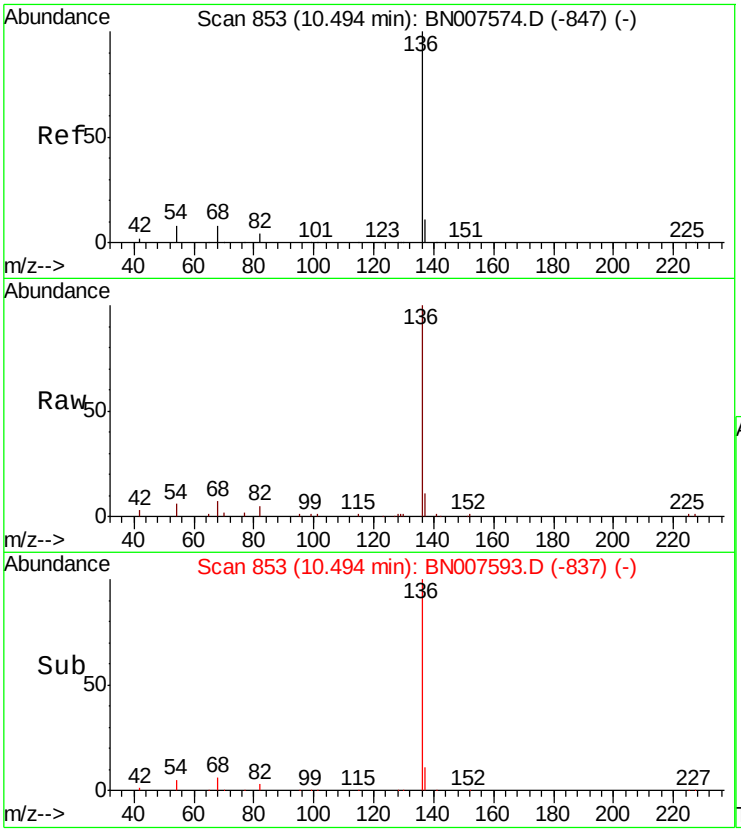




#6
bis(2-Chloroethyl)ether
Concen: 0.594 ng
RT: 7.16 min Scan# 538
Delta R.T. -0.03 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

Tgt Ion: 93 Resp: 7605

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 74.8 | 69.8 | 104.6 |
| 95 | 38.5 | 42.8 | 64.2# |



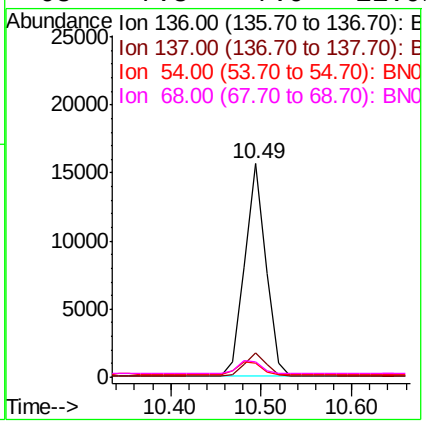


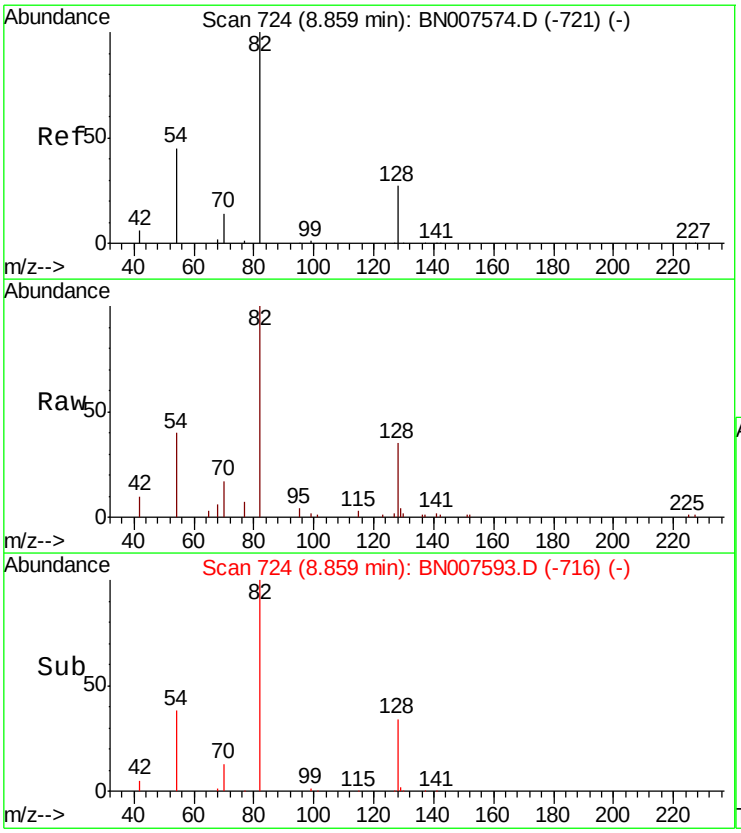

#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.49 min Scan# 853
Delta R.T. 0.00 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion:136 Resp: 25383

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 9.1 | 13.7 |
| 54 | 6.4 | 7.5 | 11.3# |
| 68 | 7.3 | 7.9 | 11.9# |

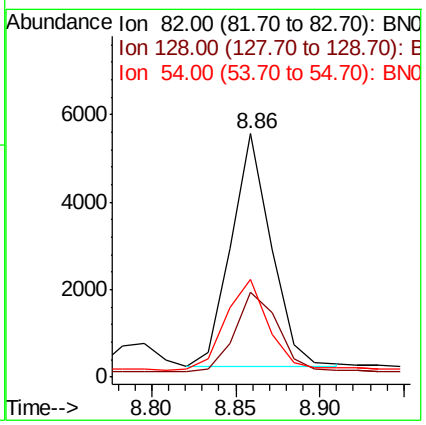


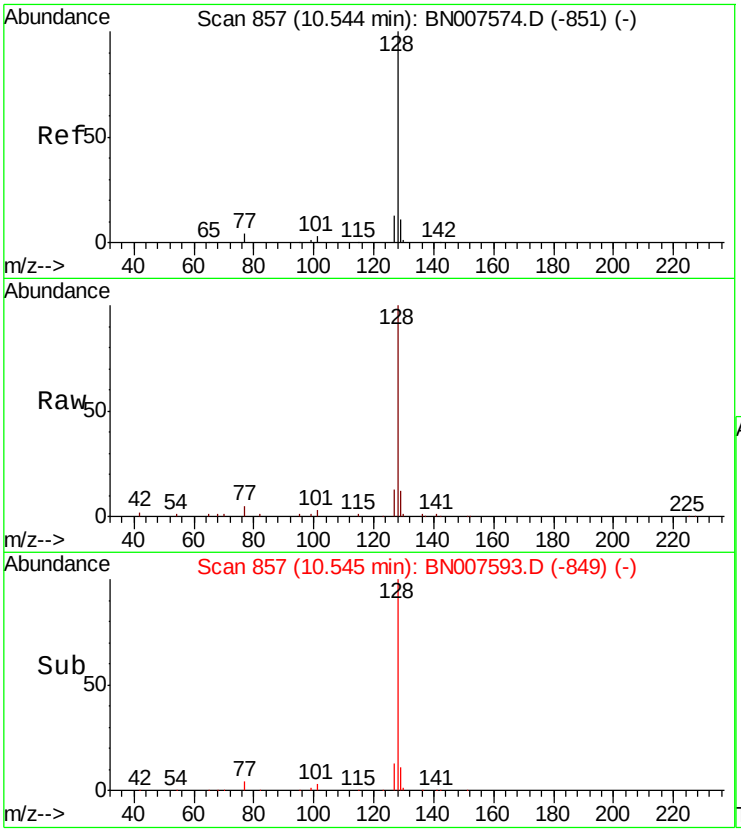




#8
Nitrobenzene-d5
Concen: 0.575 ng
RT: 8.86 min Scan# 724
Delta R.T. 0.00 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

Tgt Ion: 82 Resp: 8889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 34.9 | 23.4 | 35.2 |
| 54 | 40.1 | 38.2 | 57.2 |



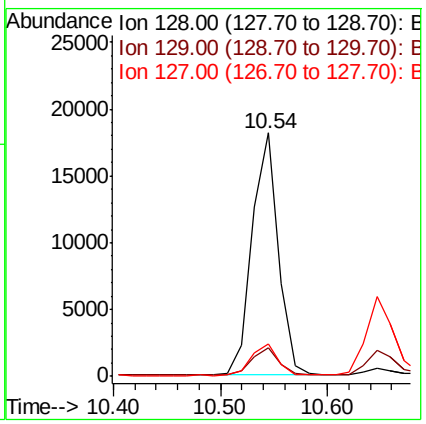


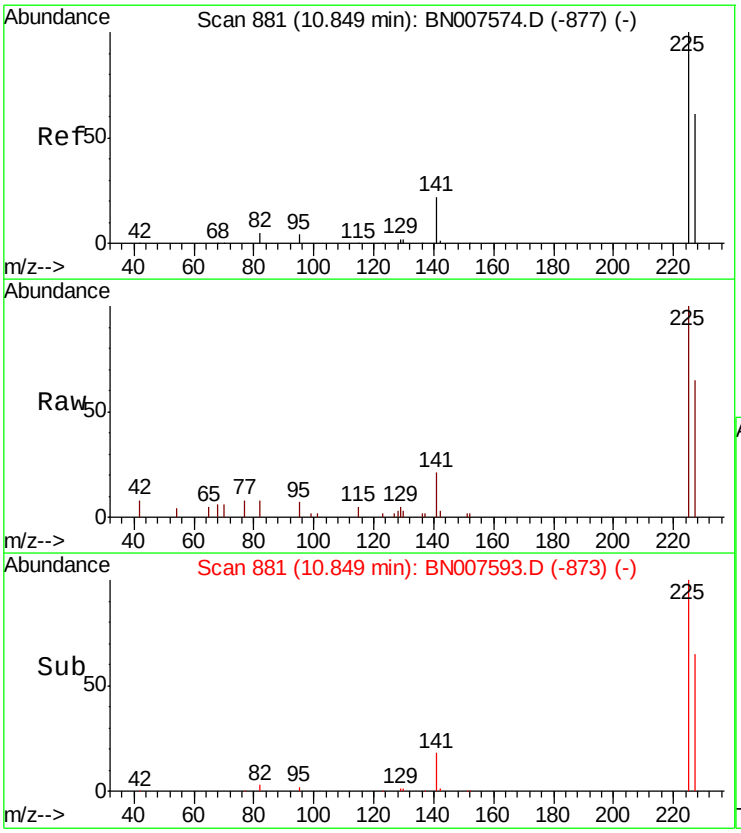

#9
Naphthalene
Concen: 0.432 ng
RT: 10.54 min Scan# 857
Delta R.T. 0.00 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion:128 Resp: 30832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.6 | 9.3 | 13.9 |
| 127 | 13.1 | 11.0 | 16.4 |

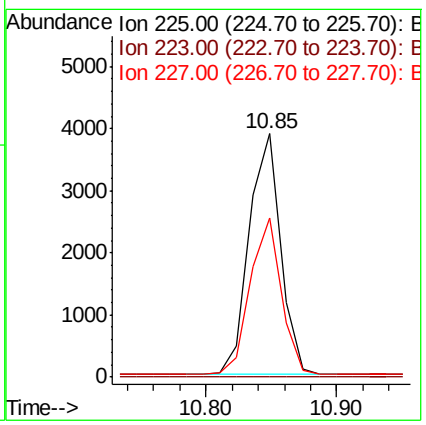


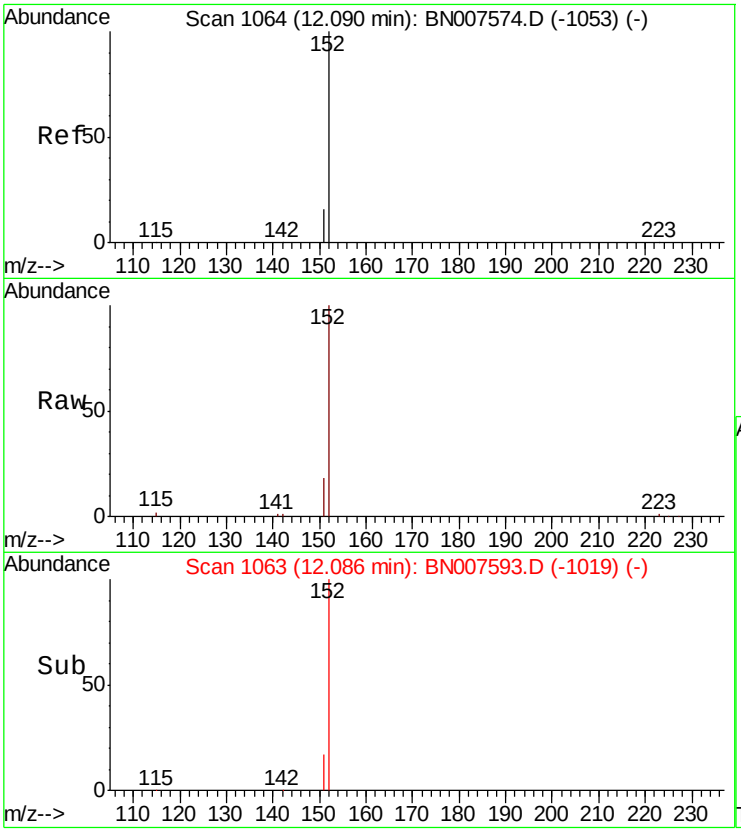




#10
Hexachlorobutadiene
Concen: 0.449 ng
RT: 10.85 min Scan# 881
Delta R.T. 0.00 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

Tgt Ion:225 Resp: 6431

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 0.0 | 0.0 | 0.0 |
| 227 | 63.8 | 50.4 | 75.6 |



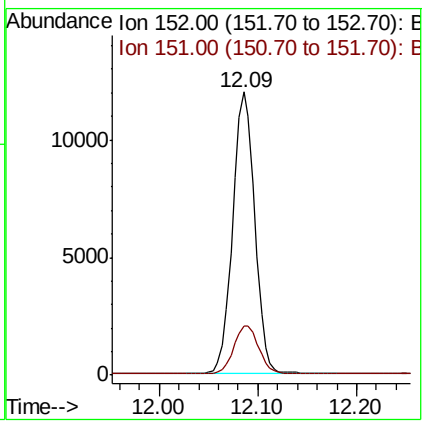


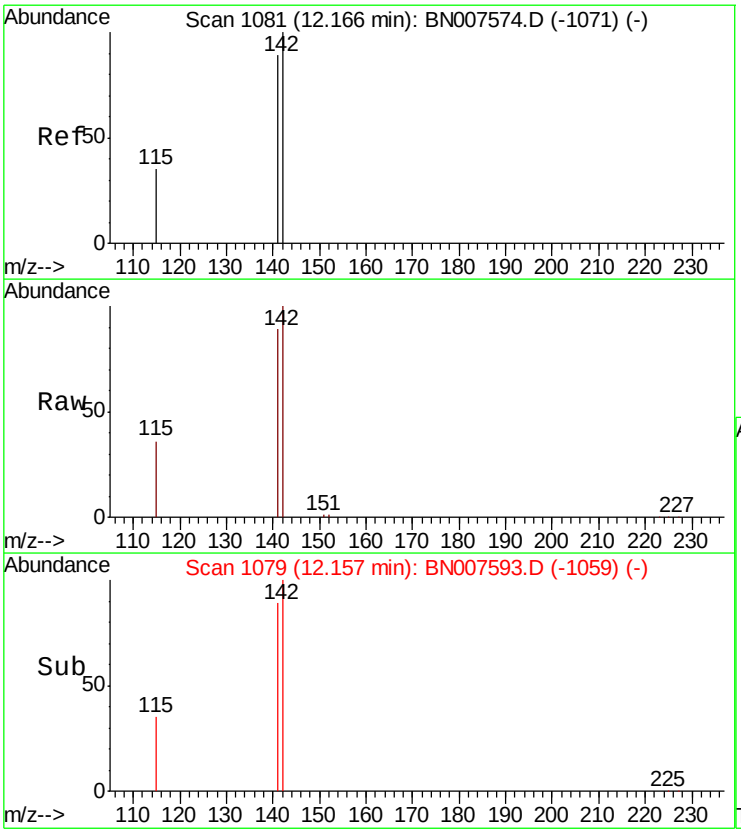

#11
2-Methylnaphthalene-d10
Concen: 0.422 ng
RT: 12.09 min Scan# 1063
Delta R.T. -0.00 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion:152 Resp: 18474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.3 | 15.3 | 22.9 |

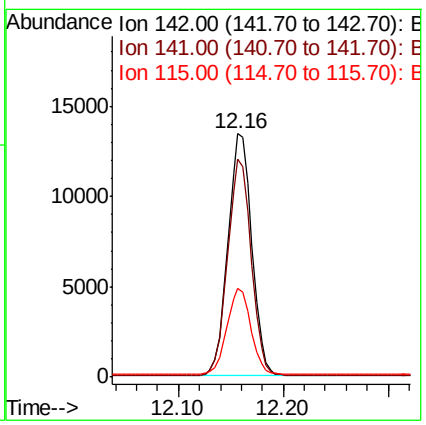


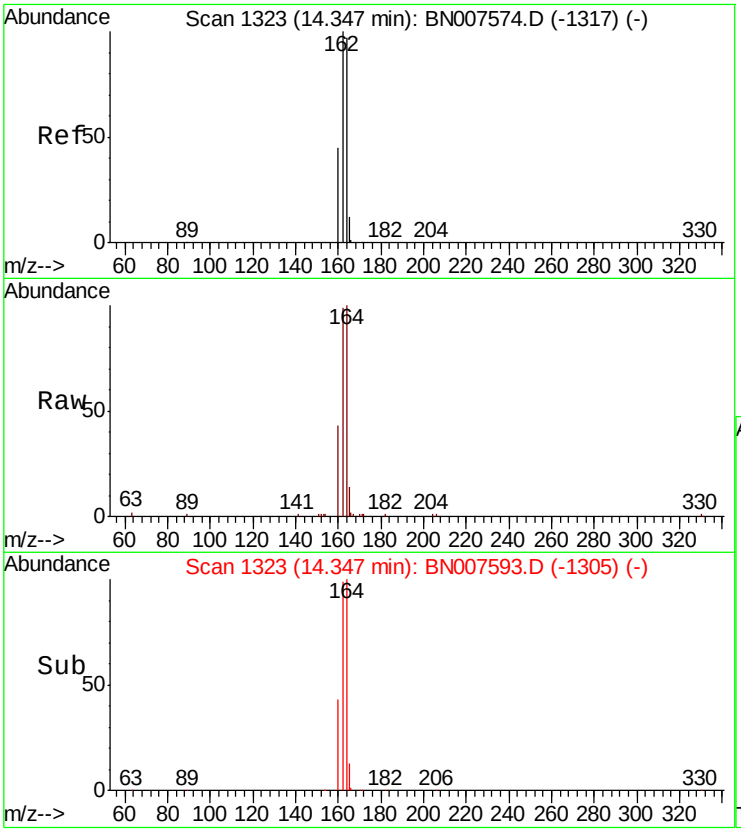




#12
2-Methylnaphthalene
Concen: 0.418 ng
RT: 12.16 min Scan# 1079
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

Tgt Ion:142 Resp: 20940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.4 | 71.0 | 106.6 |
| 115 | 36.5 | 29.1 | 43.7 |



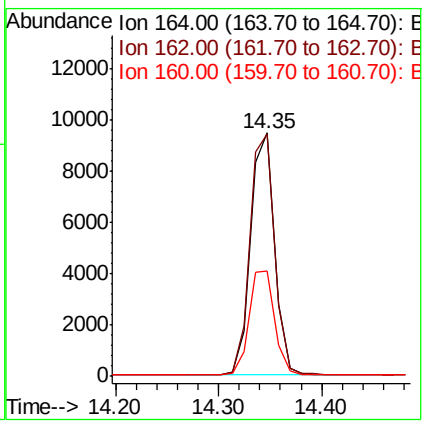


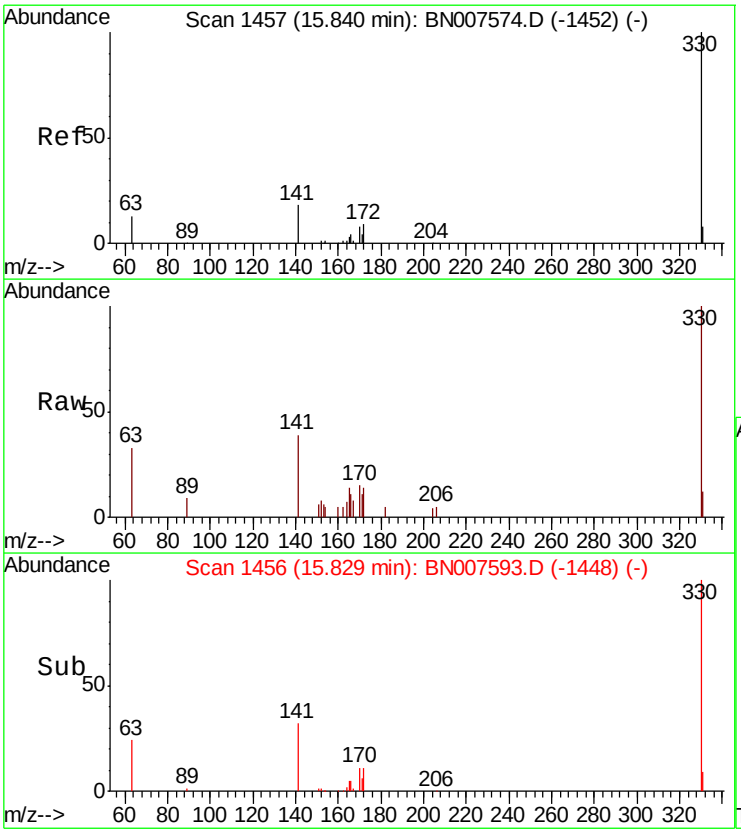

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.35 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion:164 Resp: 15123

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.3 | 82.2 | 123.2 |
| 160 | 43.4 | 37.4 | 56.0 |

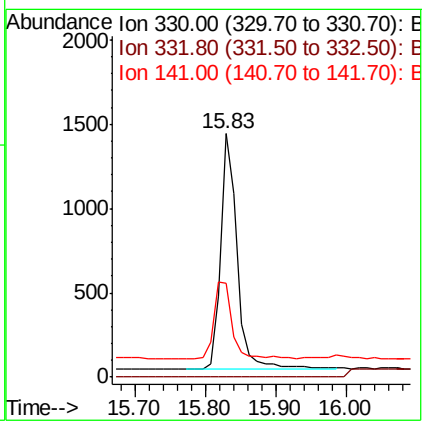


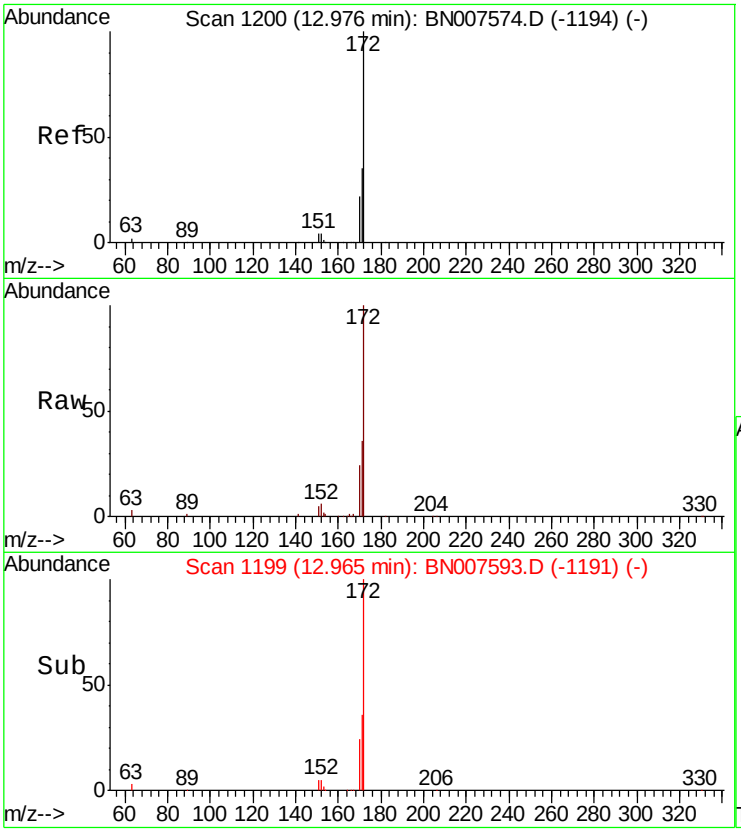




#14
2,4,6-Tribromophenol
Concen: 0.404 ng
RT: 15.83 min Scan# 1456
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

Tgt Ion:330 Resp: 2319

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 0.0 | 0.0 | 0.0 |
| 141 | 36.8 | 30.6 | 45.8 |



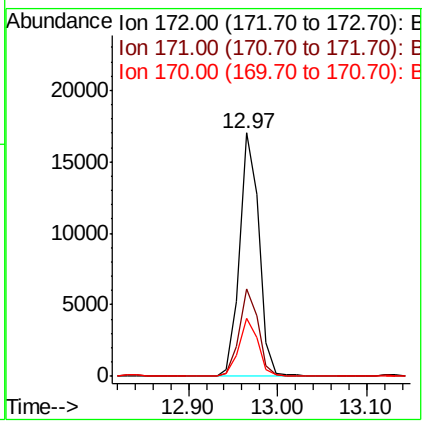


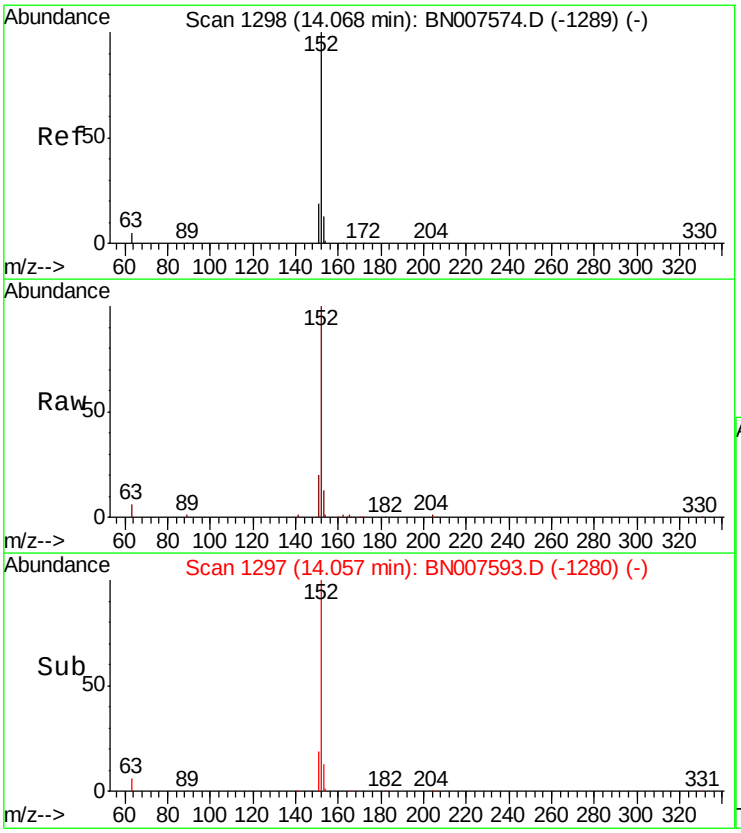

#15
2-Fluorobiphenyl
Concen: 0.406 ng
RT: 12.97 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion:172 Resp: 25350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.8 | 28.2 | 42.2 |
| 170 | 23.9 | 18.3 | 27.5 |

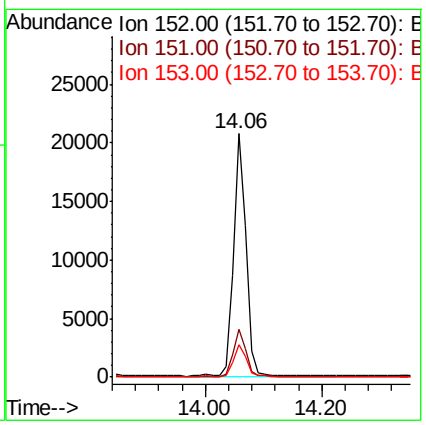


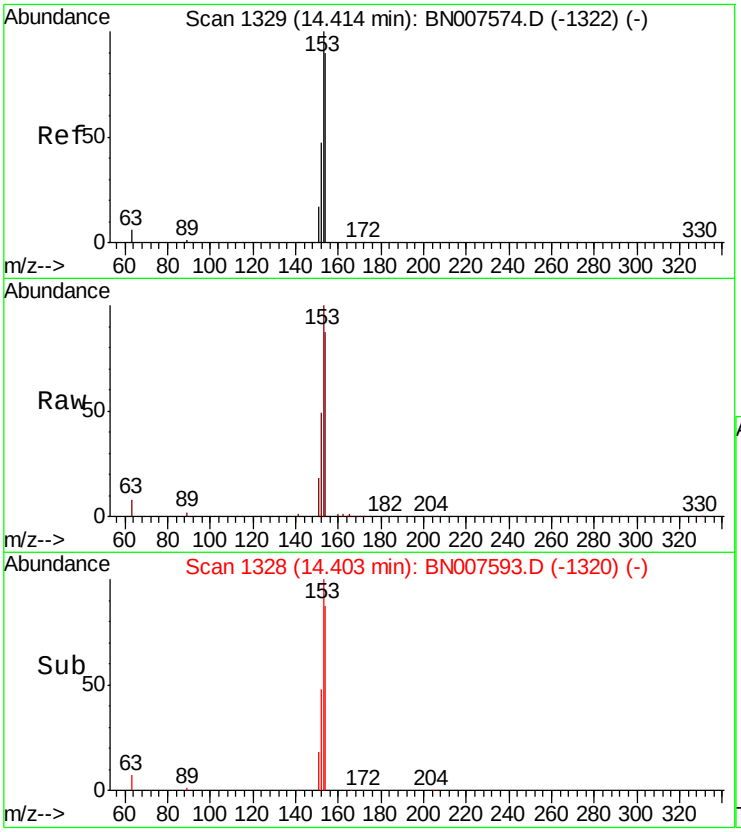




#16
Acenaphthylene
Concen: 0.381 ng
RT: 14.06 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

Tgt Ion:152 Resp: 30911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.5 | 15.8 | 23.6 |
| 153 | 13.0 | 10.4 | 15.6 |



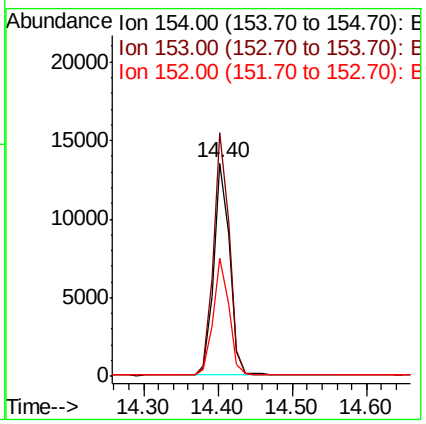


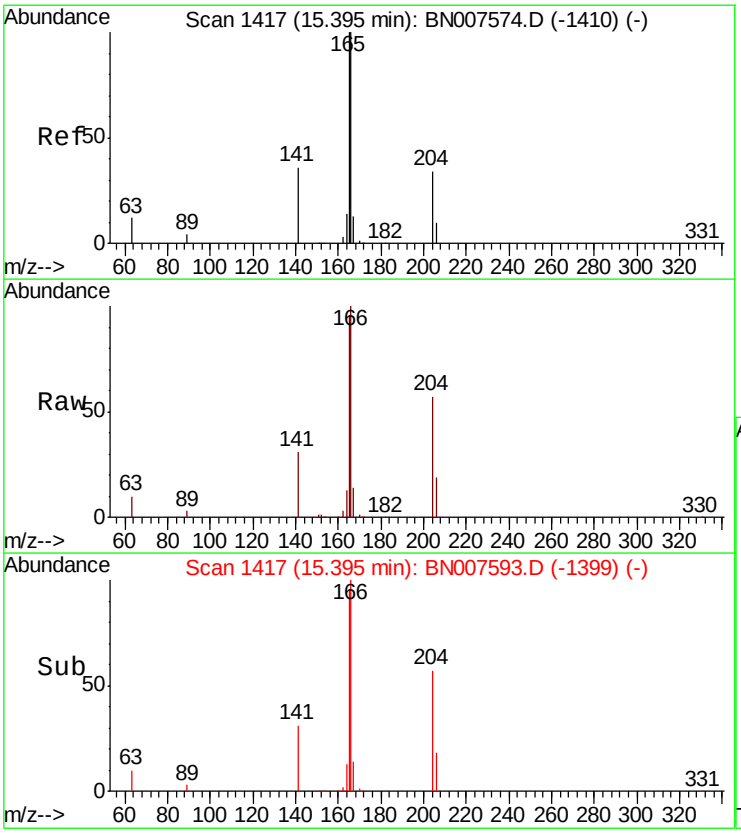

#17
Acenaphthene
Concen: 0.391 ng
RT: 14.40 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion:154 Resp: 20043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.3 | 89.4 | 134.2 |
| 152 | 54.5 | 43.4 | 65.0 |

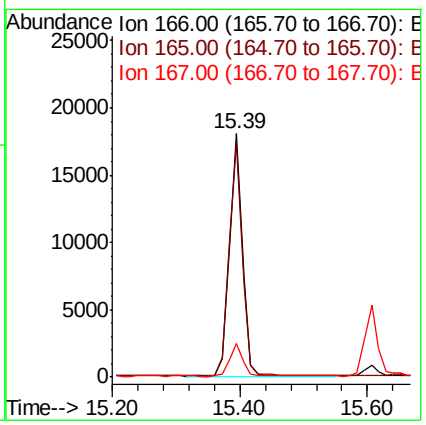


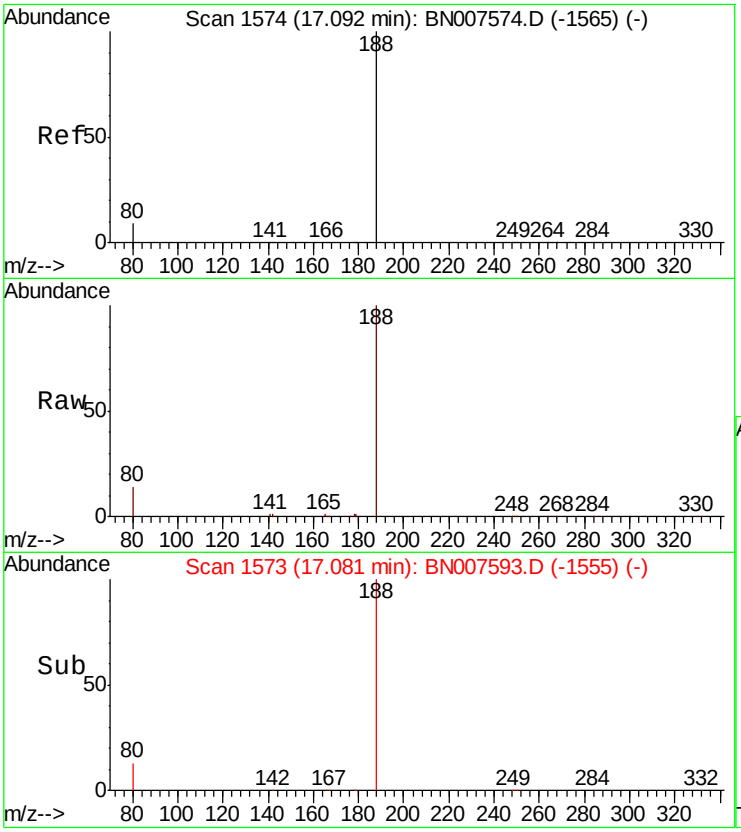




#18
Fluorene
Concen: 0.378 ng
RT: 15.39 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

Tgt Ion:166 Resp: 25564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.7 | 77.8 | 116.6 |
| 167 | 13.6 | 11.0 | 16.4 |



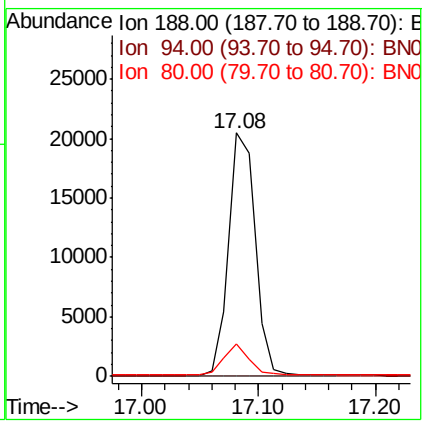


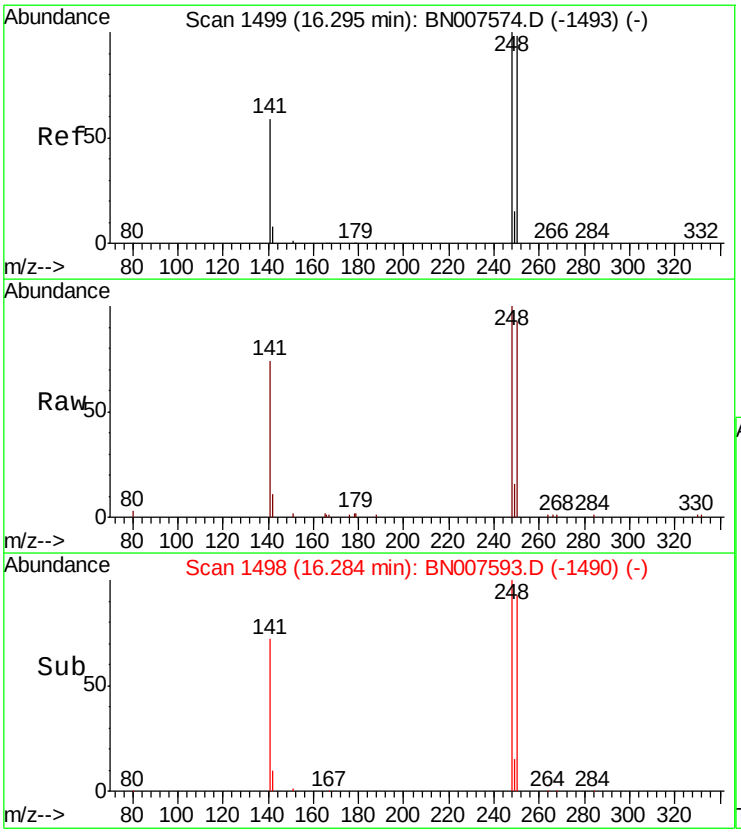

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion:188 Resp: 32190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 13.5 | 8.1 | 12.1# |

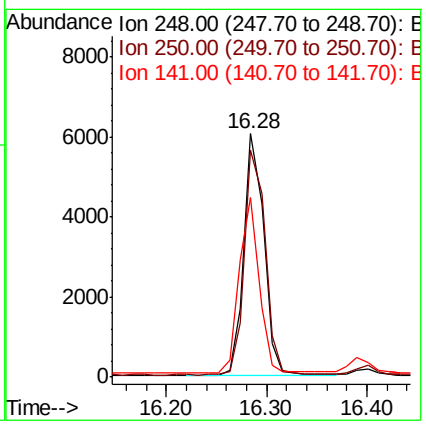


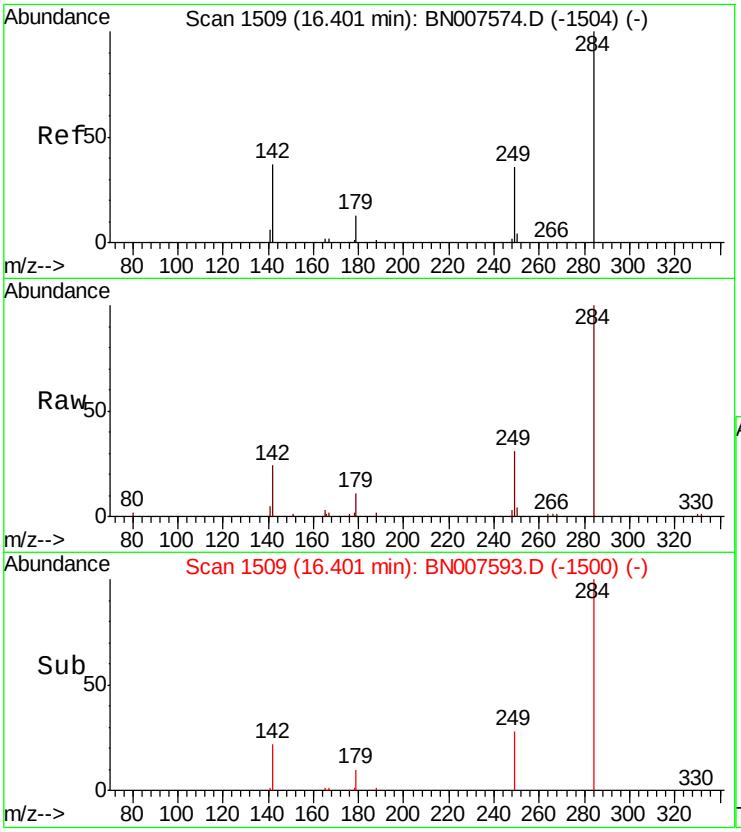




#20
4-Bromophenyl-phenylether
Concen: 0.441 ng
RT: 16.28 min Scan# 1498
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

Tgt Ion:248 Resp: 8389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 93.3 | 78.9 | 118.3 |
| 141 | 73.8 | 48.3 | 72.5# |



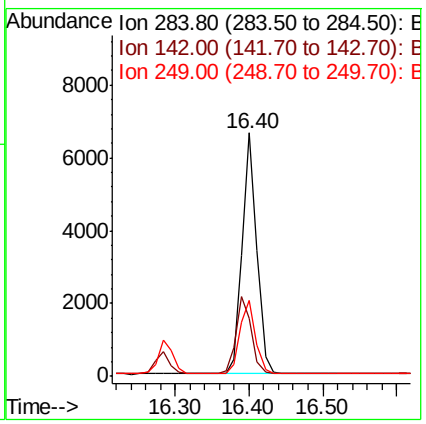


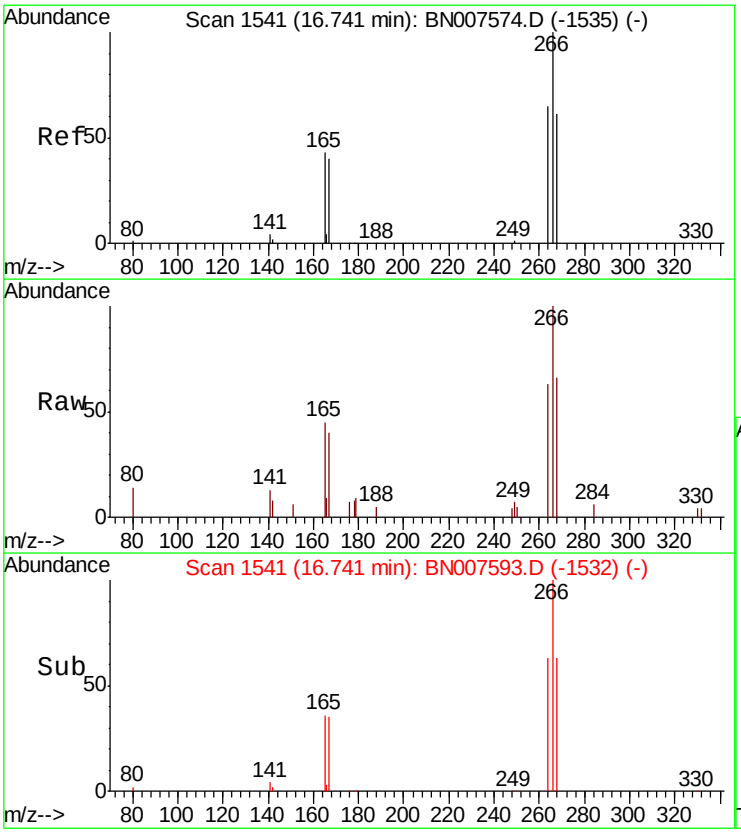

#21
Hexachlorobenzene
Concen: 0.455 ng
RT: 16.40 min Scan# 1509
Delta R.T. 0.00 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion:284 Resp: 9104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 33.6 | 27.9 | 41.9 |
| 249 | 31.5 | 26.0 | 39.0 |

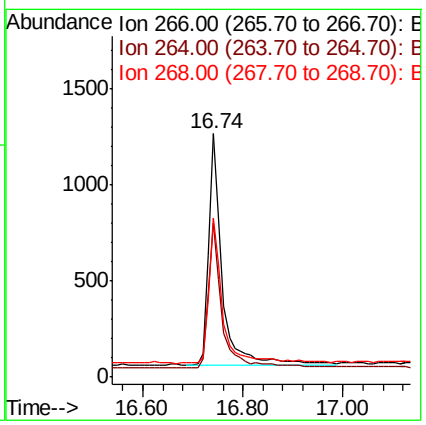


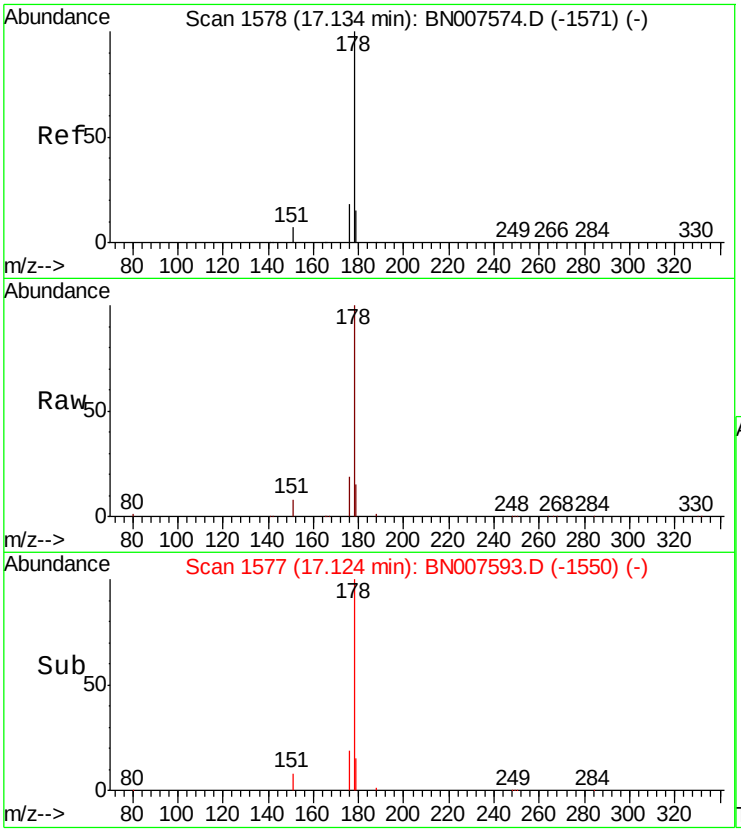




#22
Pentachlorophenol
Concen: 0.517 ng
RT: 16.74 min Scan# 1541
Delta R.T. 0.00 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

Tgt Ion:266 Resp: 2285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 63.4 | 52.0 | 78.0 |
| 268 | 65.6 | 53.5 | 80.3 |



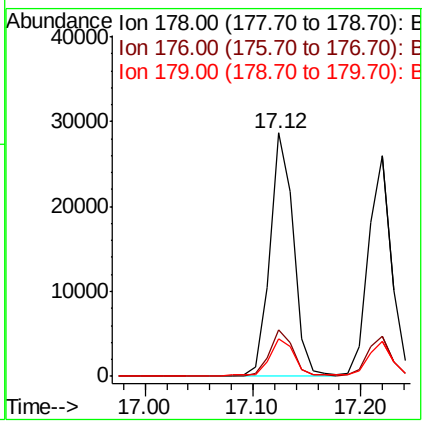


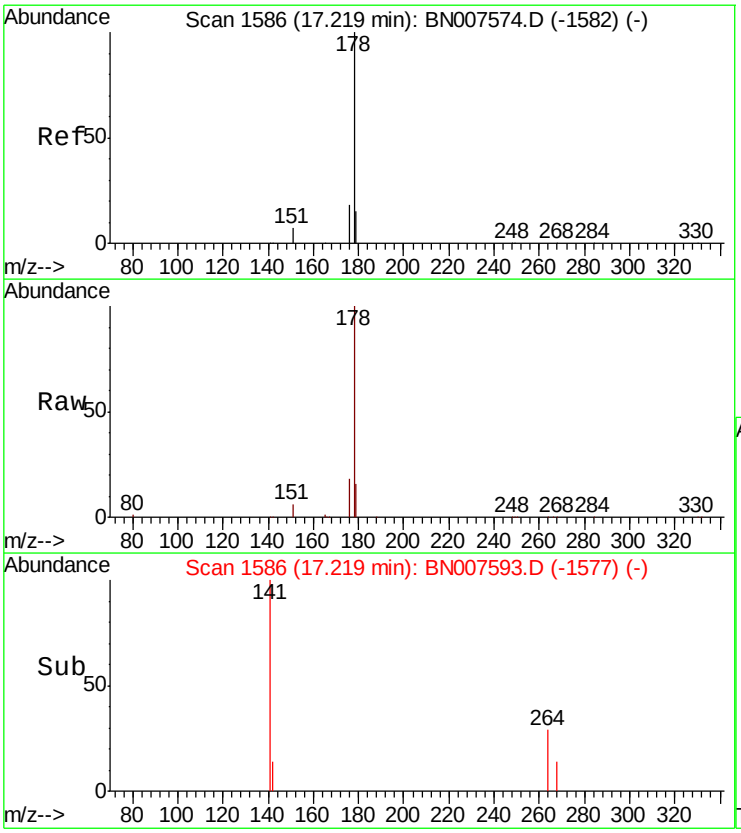

#23
Phenanthrene
Concen: 0.429 ng
RT: 17.12 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion:178 Resp: 42607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 15.0 | 22.4 |
| 179 | 15.4 | 12.2 | 18.2 |

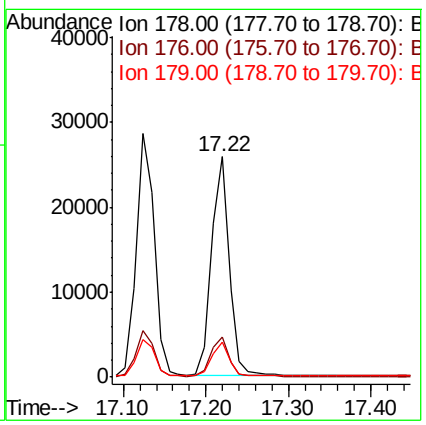


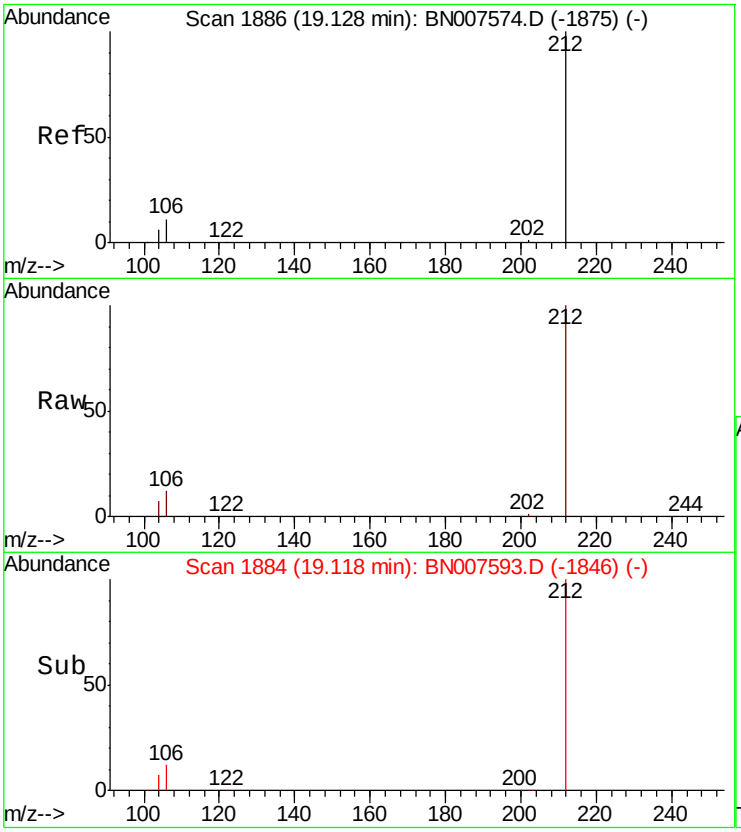




#24
Anthracene
Concen: 0.421 ng
RT: 17.22 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

Tgt Ion:178 Resp: 38624

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.1 | 14.4 | 21.6 |
| 179 | 15.5 | 12.5 | 18.7 |



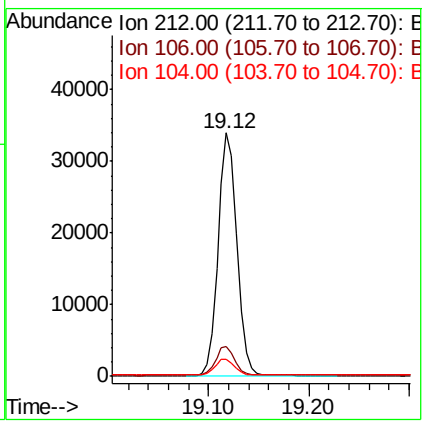


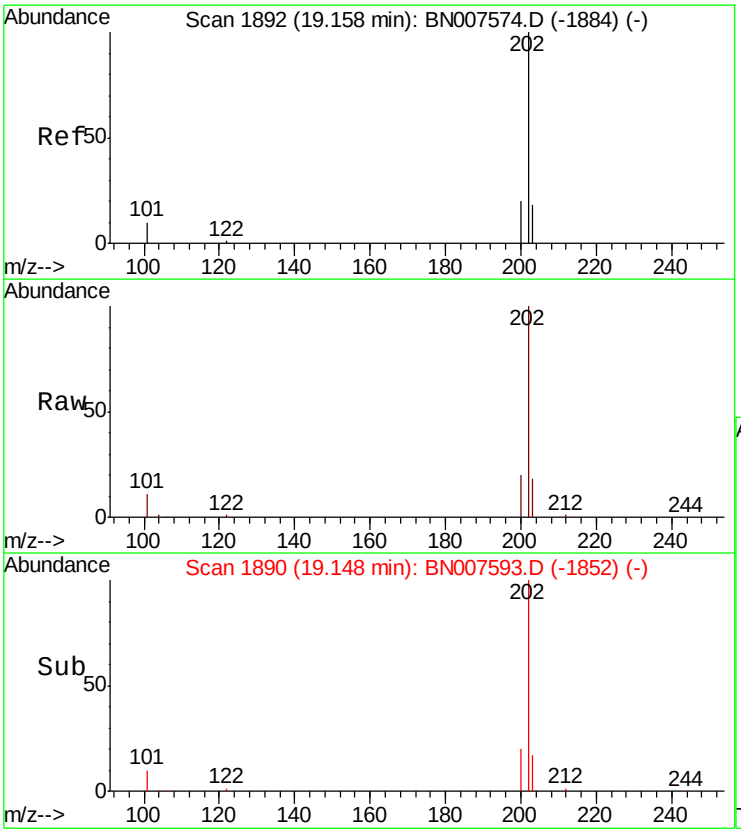

#25
Fluoranthene-d10
Concen: 0.425 ng
RT: 19.12 min Scan# 1884
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion:212 Resp: 44435

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 11.9 | 9.7 | 14.5 |
| 104 | 6.7 | 5.5 | 8.3 |

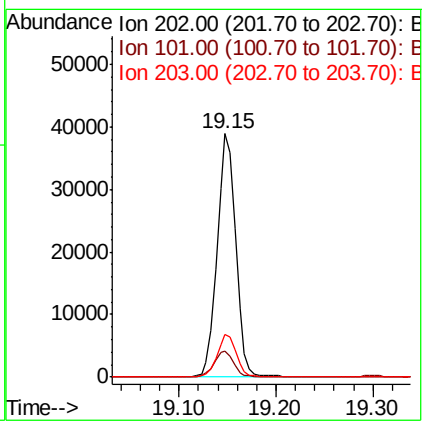


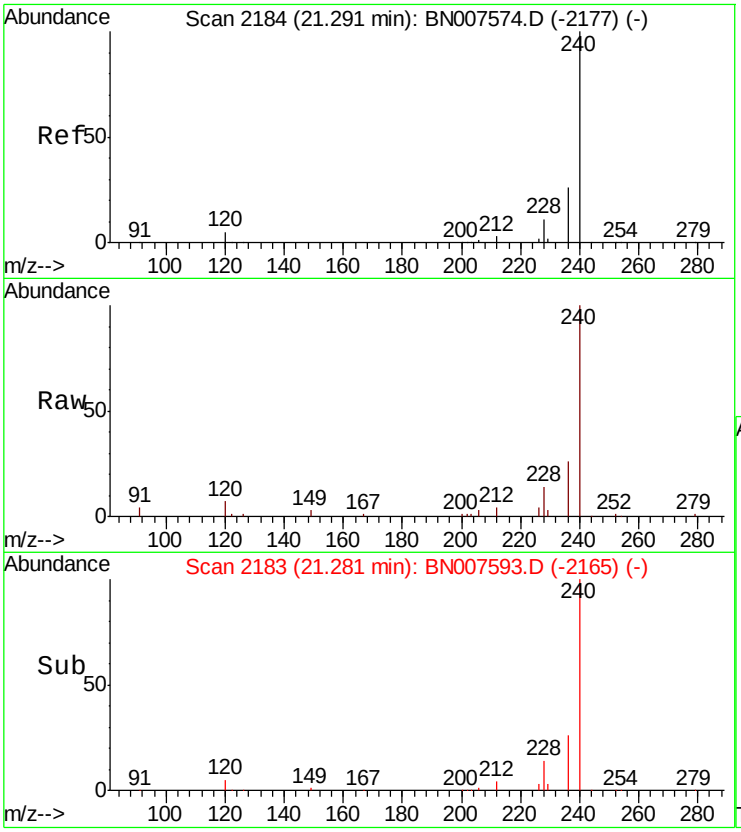




#26
Fluoranthene
Concen: 0.426 ng
RT: 19.15 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

Tgt Ion:202 Resp: 51313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.8 | 8.8 | 13.2 |
| 203 | 17.2 | 13.8 | 20.8 |



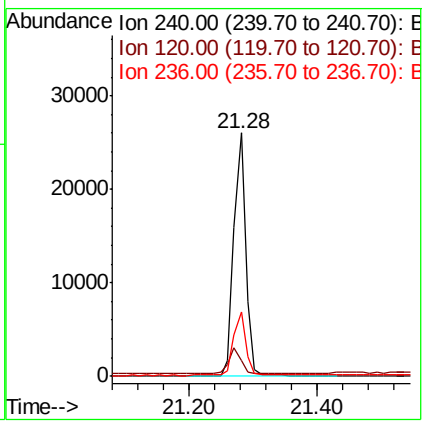


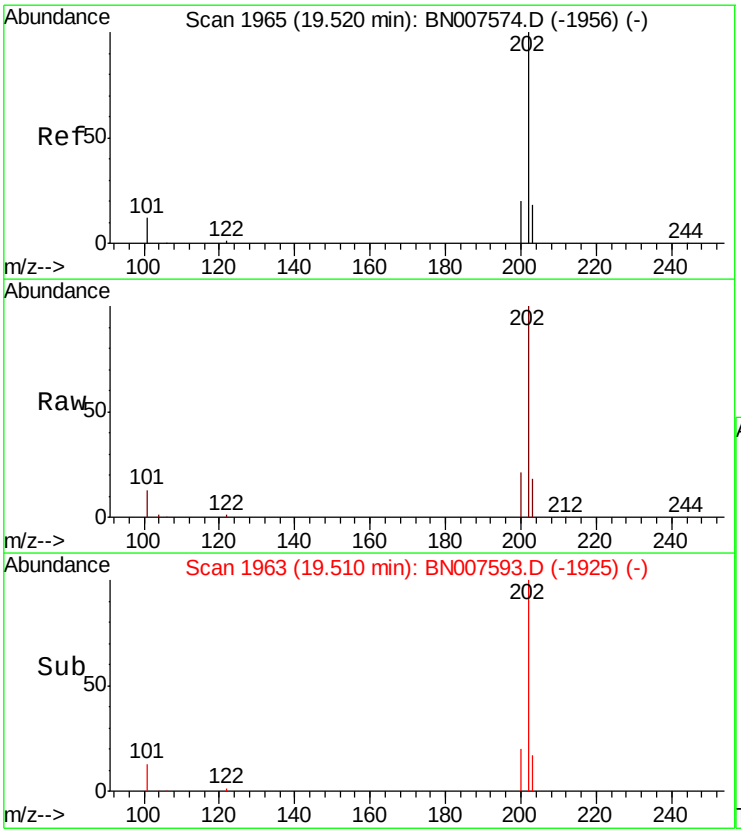

#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion:240 Resp: 33523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.6 | 5.0 | 7.4 |
| 236 | 26.2 | 20.6 | 31.0 |

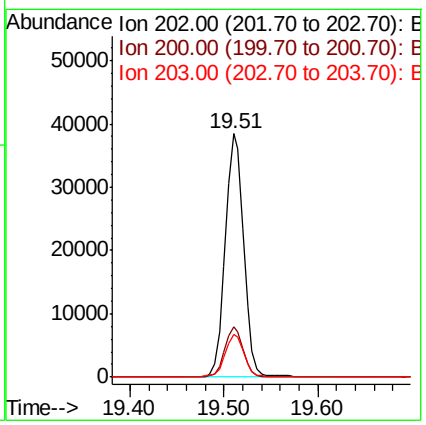


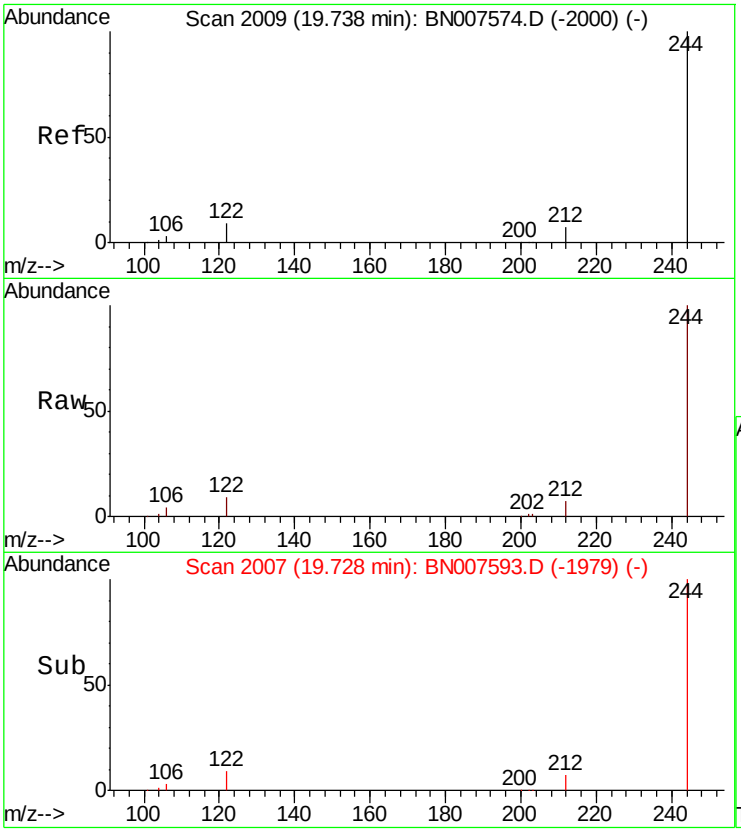




#28
Pyrene
Concen: 0.429 ng
RT: 19.51 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

Tgt Ion:202 Resp: 51664

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.4 | 16.3 | 24.5 |
| 203 | 17.6 | 14.1 | 21.1 |



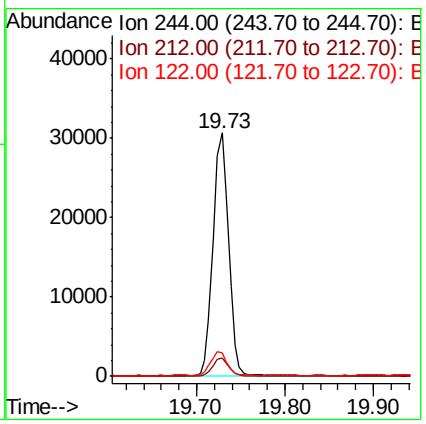


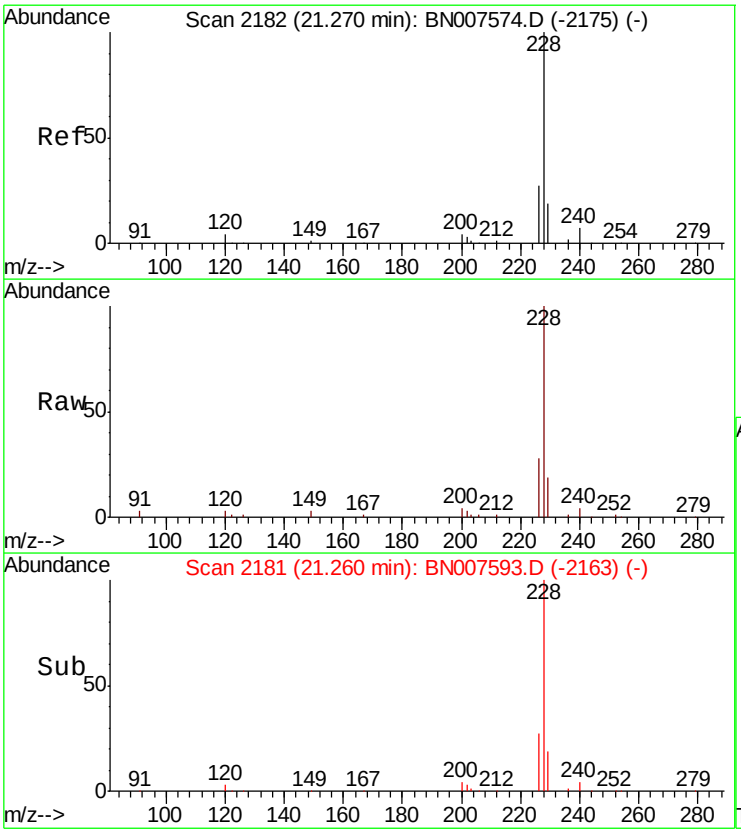

#29
Terphenyl-d14
Concen: 0.428 ng
RT: 19.73 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion:244 Resp: 37292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 5.8 | 8.8 |
| 122 | 9.4 | 7.8 | 11.6 |

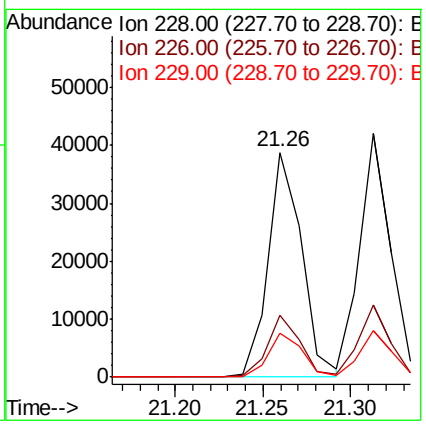


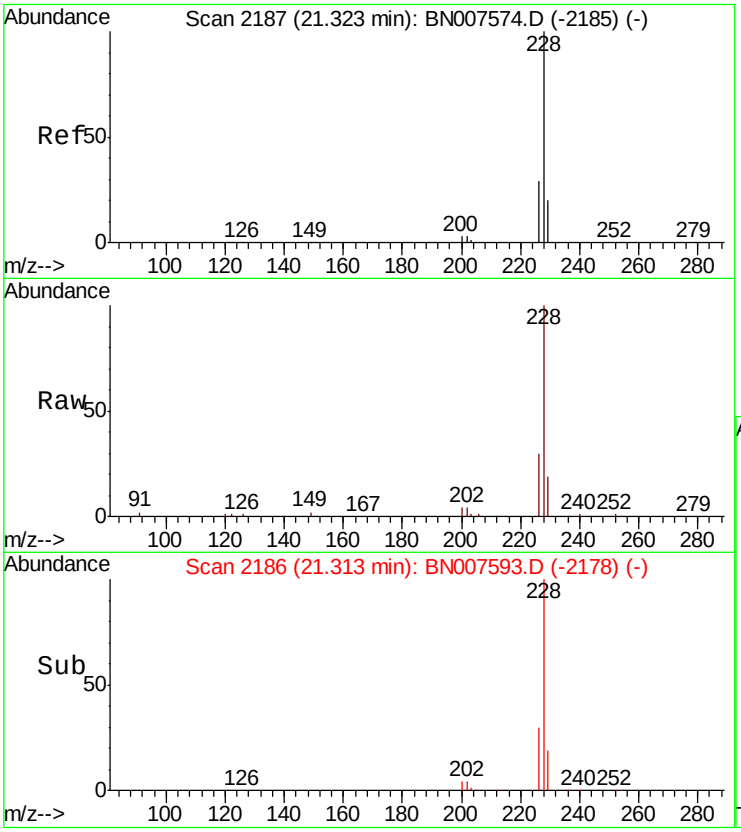




#30
Benzo(a)anthracene
Concen: 0.430 ng
RT: 21.26 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

Tgt Ion:228 Resp: 51594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.5 | 21.6 | 32.4 |
| 229 | 19.4 | 15.7 | 23.5 |



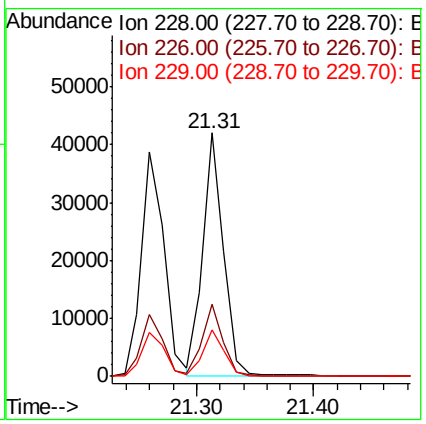


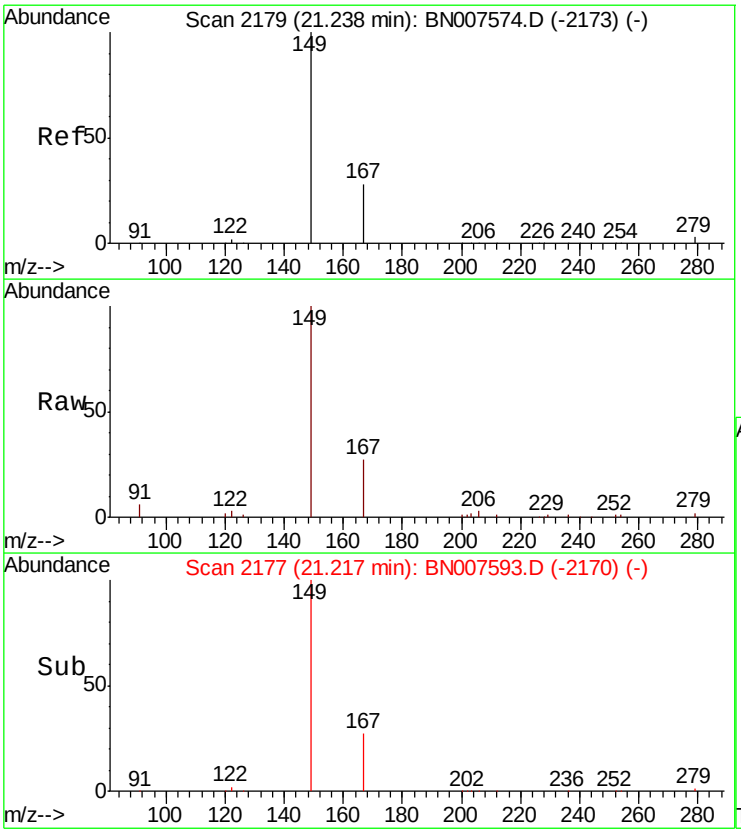

#31
Chrysene
Concen: 0.423 ng
RT: 21.31 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion:228 Resp: 51599

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 23.4 | 35.2 |
| 229 | 19.2 | 15.7 | 23.5 |

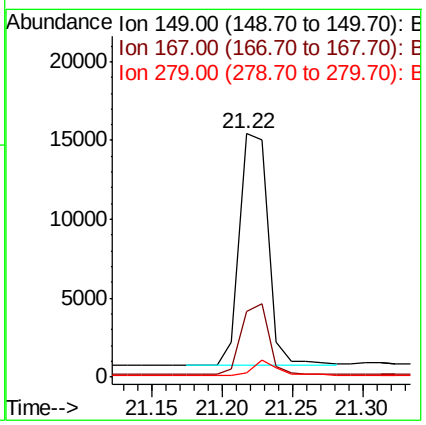


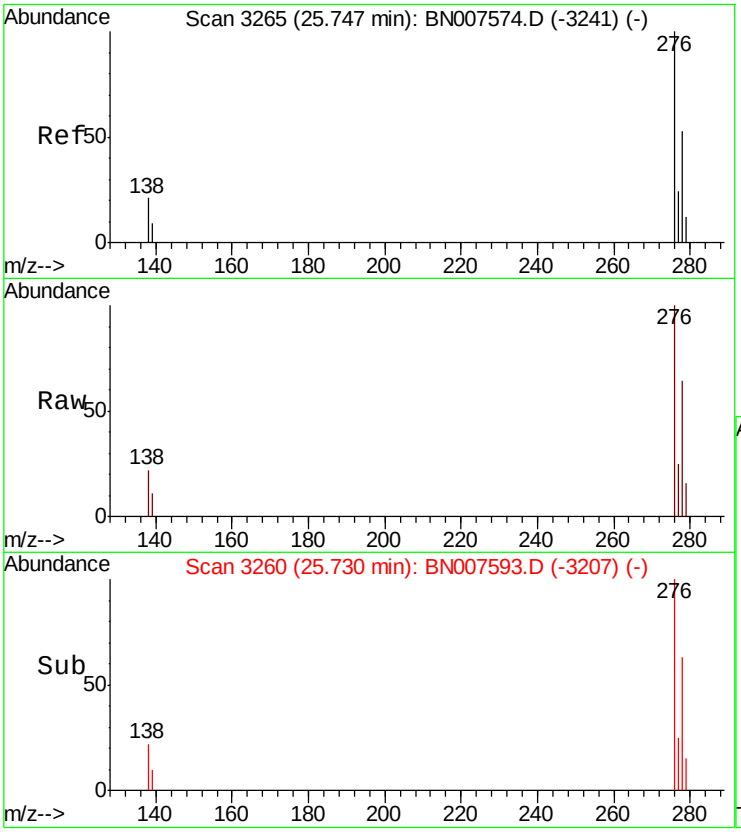




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.511 ng
RT: 21.22 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

Tgt Ion:149 Resp: 20970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.9 | 22.1 | 33.1 |
| 279 | 5.2 | 3.9 | 5.9 |



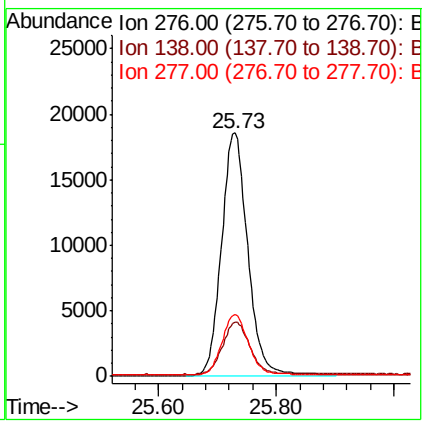


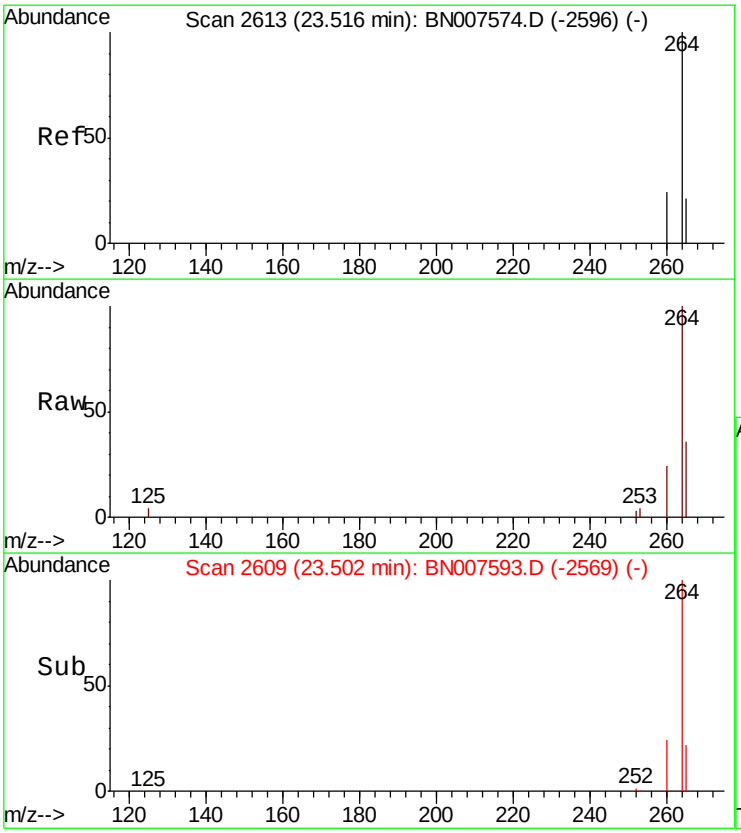

#33
Indeno(1,2,3-cd)pyrene
Concen: 0.443 ng
RT: 25.73 min Scan# 3260
Delta R.T. -0.02 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion:276 Resp: 57045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.1 | 0.0 | 0.0# |
| 277 | 25.2 | 0.0 | 0.0# |

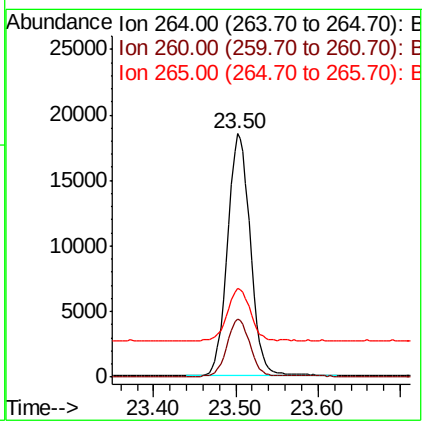


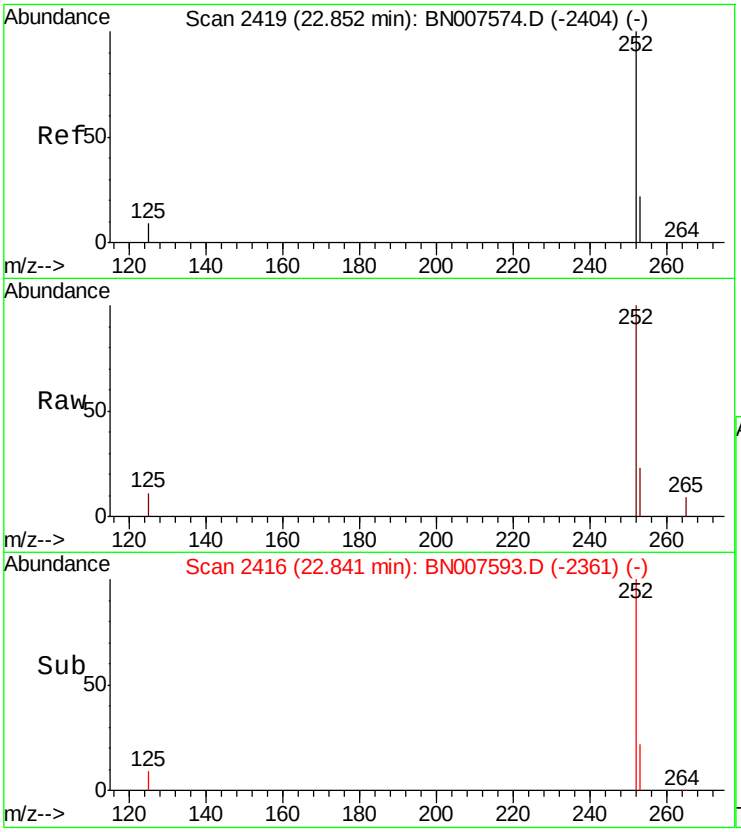




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.50 min Scan# 2609
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

Tgt Ion:264 Resp: 35657

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 19.3 | 28.9 |
| 265 | 36.3 | 25.6 | 38.4 |



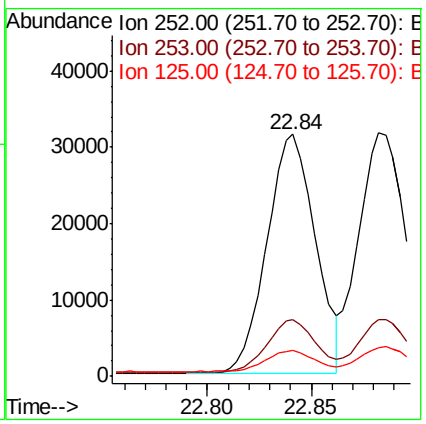


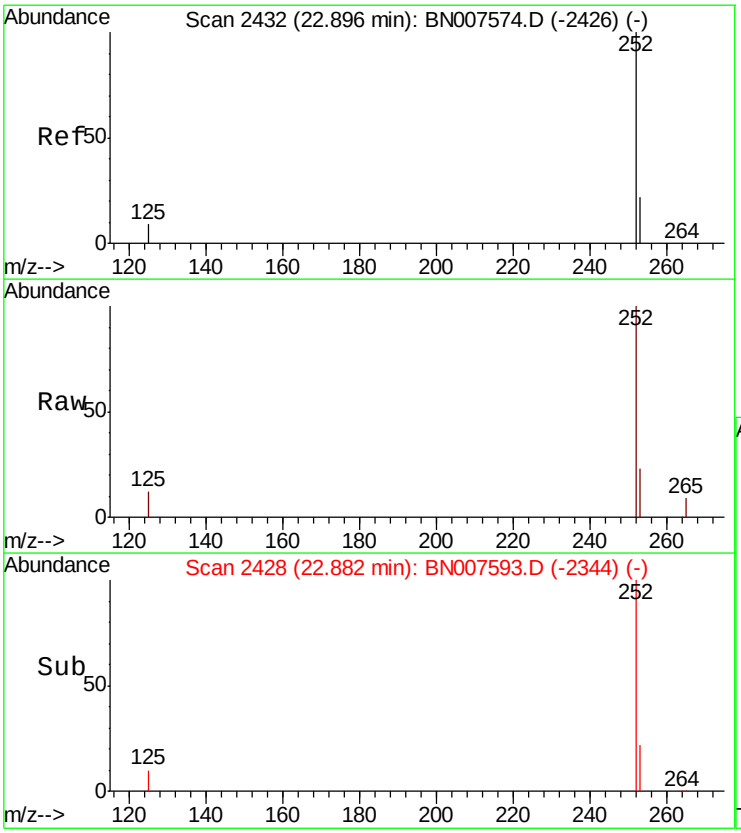

#35
Benzo(b)fluoranthene
Concen: 0.400 ng
RT: 22.84 min Scan# 2416
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion:252 Resp: 50766

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 18.5 | 27.7 |
| 125 | 10.6 | 8.2 | 12.2 |

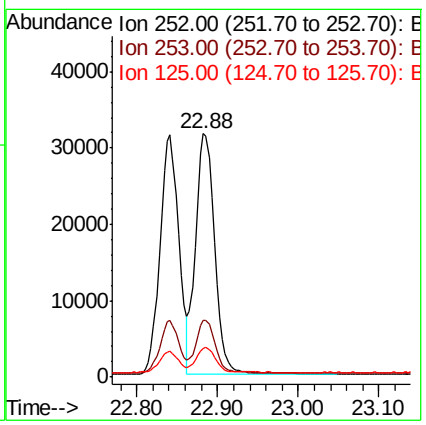


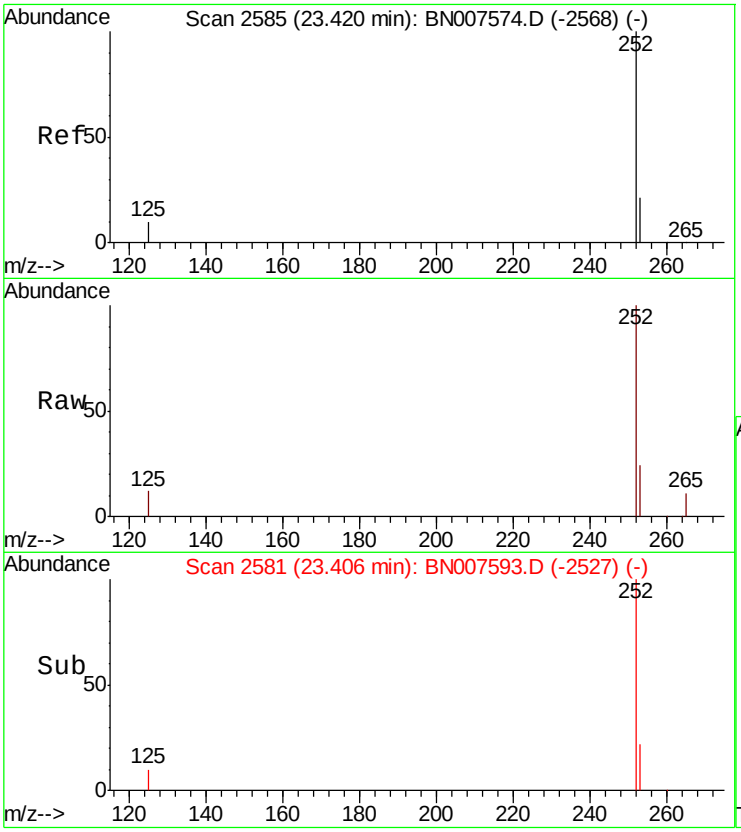




#36
Benzo(k)fluoranthene
Concen: 0.416 ng
RT: 22.88 min Scan# 2428
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

Tgt Ion:252 Resp: 52138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 18.4 | 27.6 |
| 125 | 11.8 | 8.2 | 12.2 |



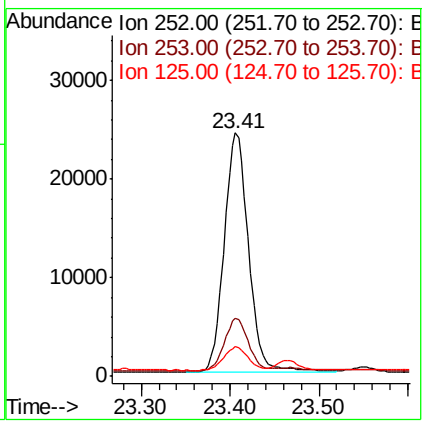


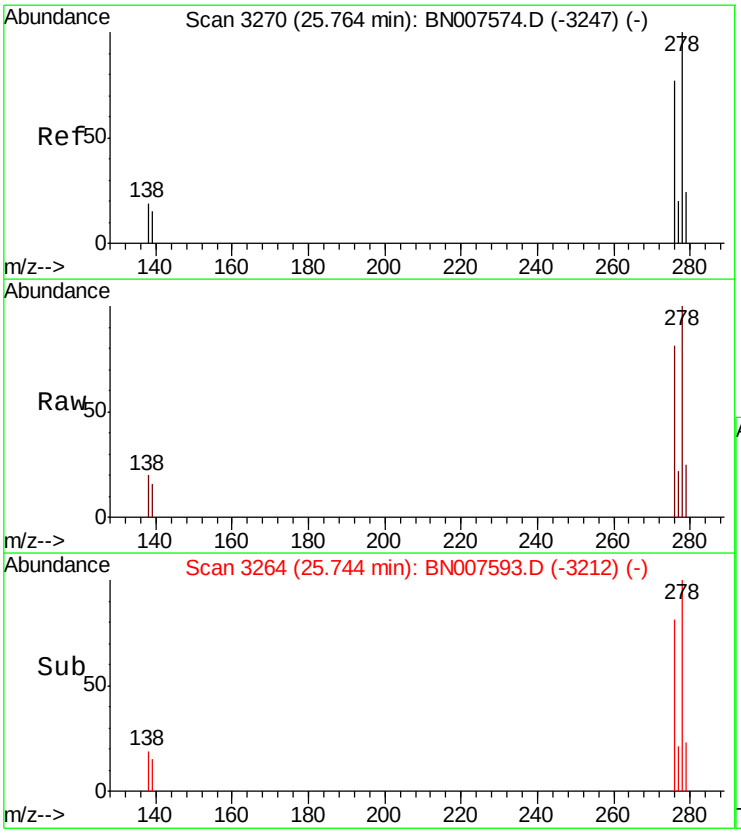

#37
Benzo(a)pyrene
Concen: 0.414 ng
RT: 23.41 min Scan# 2581
Delta R.T. -0.01 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion:252 Resp: 46690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 18.6 | 28.0 |
| 125 | 12.1 | 9.2 | 13.8 |

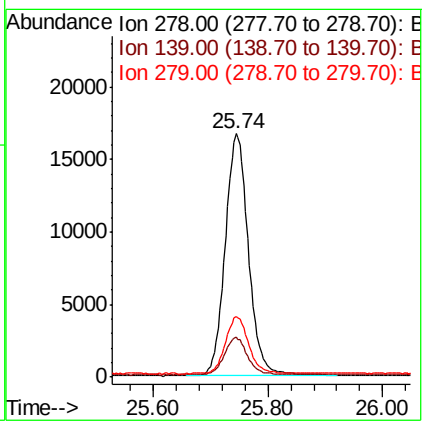


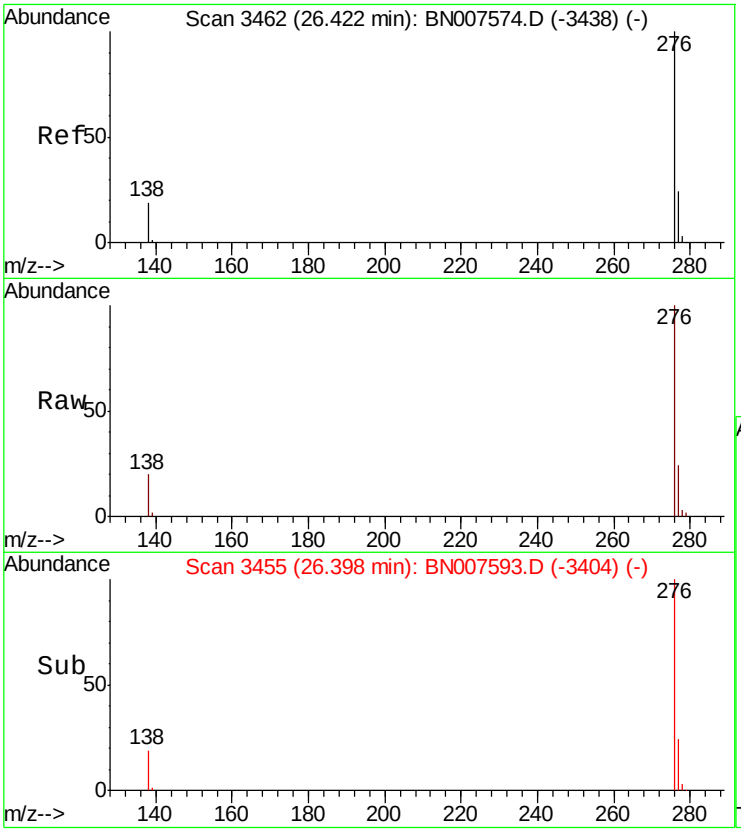




#38
Dibenzo(a,h)anthracene
Concen: 0.419 ng
RT: 25.74 min Scan# 3264
Delta R.T. -0.02 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

Tgt Ion:278 Resp: 47413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.3 | 12.5 | 18.7 |
| 279 | 24.9 | 20.2 | 30.2 |






#39
Benzo(g,h,i)perylene
Concen: 0.406 ng
RT: 26.40 min Scan# 3455
Delta R.T. -0.02 min
Lab File: BN007593.D
Acq: 11 Sep 2019 18:15

**Instrument :**
BNA_N
**ClientSampleId :**
PB122993BSD

Tgt Ion:276 Resp: 46525

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.3 | 19.7 | 29.5 |
| 138 | 19.7 | 15.9 | 23.9 |