Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007120.D
Acq On : 13 Aug 2019 08:07
Operator : HP/JU
Sample : K4144-10
Misc :
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Aug 13 12:14:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.43 | 152 | 10246 | 0.40 | ng | | 0.00 |
| 6) Naphthalene-d8 | 10.19 | 136 | 39972 | 0.40 | ng | | 0.00 |
| 12) Acenaphthene-d10 | 14.08 | 164 | 30433 | 0.40 | ng | | 0.00 |
| 18) Phenanthrene-d10 | 16.82 | 188 | 52547 | 0.40 | ng | | 0.00 |
| 26) Chrysene-d12 | 21.06 | 240 | 62102 | 0.40 | ng | | 0.00 |
| 32) Perylene-d12 | 23.17 | 264 | 91638 | 0.40 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Fluorophenol | 5.06 | 112 | 6898 | 0.28 | ng | | 0.00 |
| 4) Phenol-d6 | 6.62 | 99 | 9498 | 0.31 | ng | | 0.00 |
| 7) Nitrobenzene-d5 | 8.56 | 82 | 7885 | 0.24 | ng | | 0.00 |
| 10) 2-Methylnaphthalene-d10 | 11.79 | 152 | 15379 | 0.21 | ng | | 0.00 |
| 13) 2,4,6-Tribromophenol | 15.57 | 330 | 2909 | 0.18 | ng | | 0.00 |
| 14) 2-Fluorobiphenyl | 12.71 | 172 | 4303 | 0.10 | ng | | 0.00 |
| 24) Fluoranthene-d10 | 18.87 | 212 | 31463 | 0.17 | ng | | 0.00 |
| 28) Terphenyl-d14 | 19.49 | 244 | 33783 | 0.20 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 8) Naphthalene | 10.24 | 128 | 238687 | 2.130 | ng | | 99 |
| 11) 2-Methylnaphthalene | 11.87 | 142 | 513334 | 6.464 | ng | | 99 |
| 15) Acenaphthylene | 13.79 | 152 | 2909311 | 18.290 | ng | | 98 |
| 16) Acenaphthene | 14.14 | 154 | 358519 | 3.519 | ng | | 97 |
| 17) Fluorene | 15.14 | 166 | 1496466 | 9.815 | ng | | 93 |
| 19) 4-Bromophenyl-phenylether | 16.04 | 248 | 694 | 0.021 | ng | # | 1 |
| 22) Phenanthrene | 16.87 | 178 | 10624622 | 67.467 | ng | | 97 |
| 23) Anthracene | 16.96 | 178 | 2972680 | 20.660 | ng | | 99 |
| 25) Fluoranthene | 18.91 | 202 | 7718106 | 38.314 | ng | | 96 |
| 27) Pyrene | 19.27 | 202 | 12372274 | 56.809 | ng | # | 94 |
| 29) Benzo(a)anthracene | 21.03 | 228 | 6101628 | 26.866 | ng | # | 88 |
| 30) Chrysene | 21.09 | 228 | 6157009 | 27.904 | ng | | 95 |
| 31) Indeno(1,2,3-cd)pyrene | 25.26 | 276 | 2307009 | 9.486 | ng | | 99 |
| 33) Benzo(b)fluoranthene | 22.56 | 252 | 4726814 | 15.042 | ng | | 98 |
| 34) Benzo(k)fluoranthene | 22.56 | 252 | 4726814 | 15.231 | ng | | 98 |
| 35) Benzo(a)pyrene | 23.08 | 252 | 4763423 | 16.721 | ng | | 99 |
| 36) Dibenzo(a,h)anthracene | 25.26 | 278 | 854707 | 3.007 | ng | # | 90 |
| 37) Benzo(g,h,i)perylene | 25.89 | 276 | 2835550 | 9.698 | ng | | 100 |

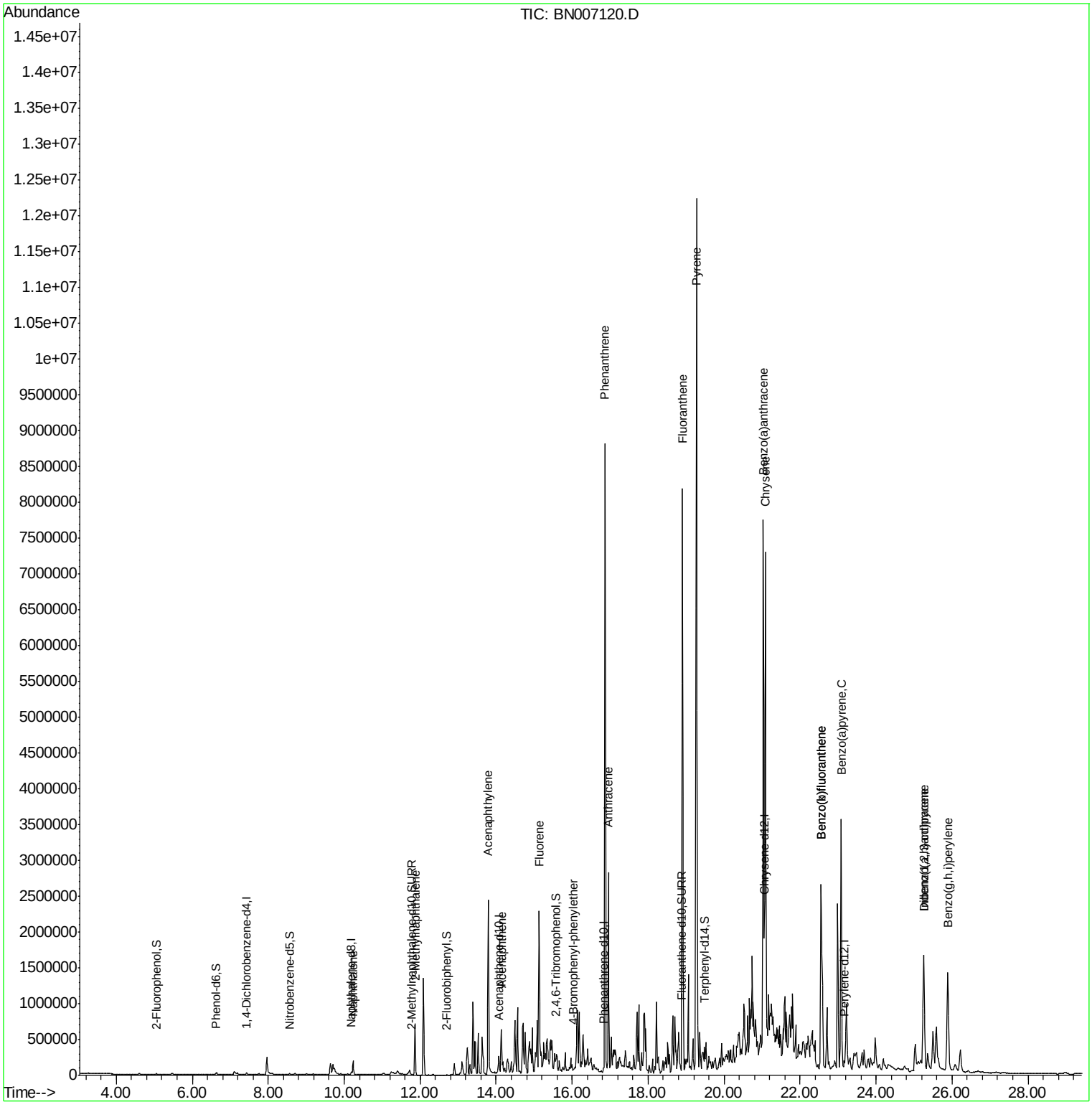
(#) = qualifier out of range (m) = manual integration (+) = signals summed

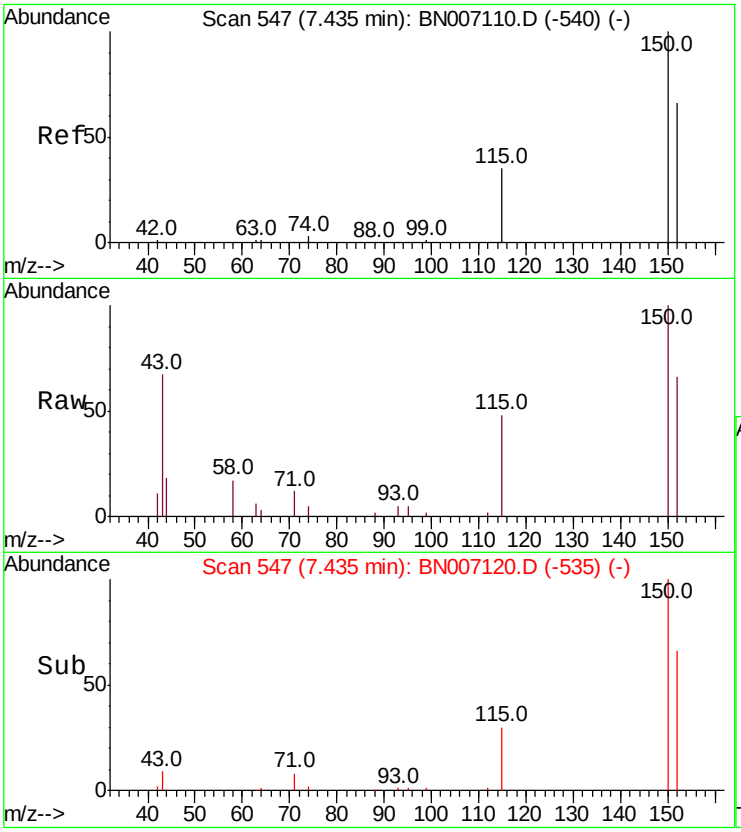
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081219\
Data File : BN007120.D
Acq On : 13 Aug 2019 08:07
Operator : HP/JU
Sample : K4144-10
Misc :
ALS Vial : 29 Sample Multiplier: 1

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

Quant Time: Aug 13 12:14:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration



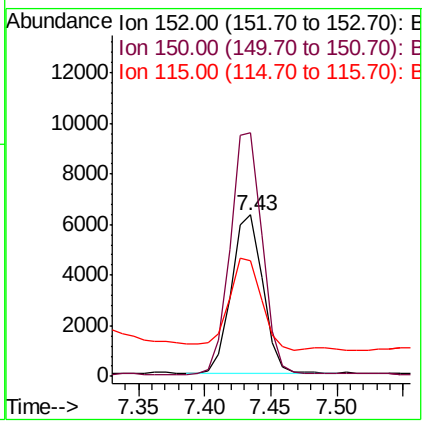


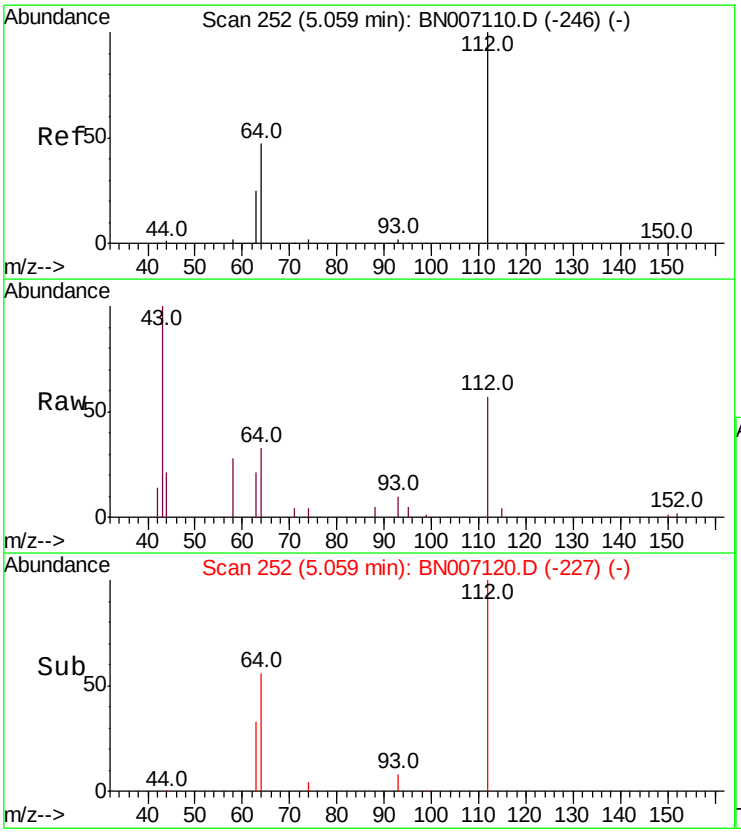

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

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

Tgt Ion:152 Resp: 10246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 150.9 | 121.7 | 182.5 |
| 115 | 71.9 | 46.2 | 69.4# |

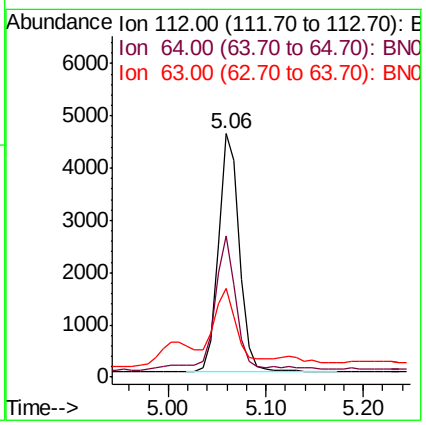


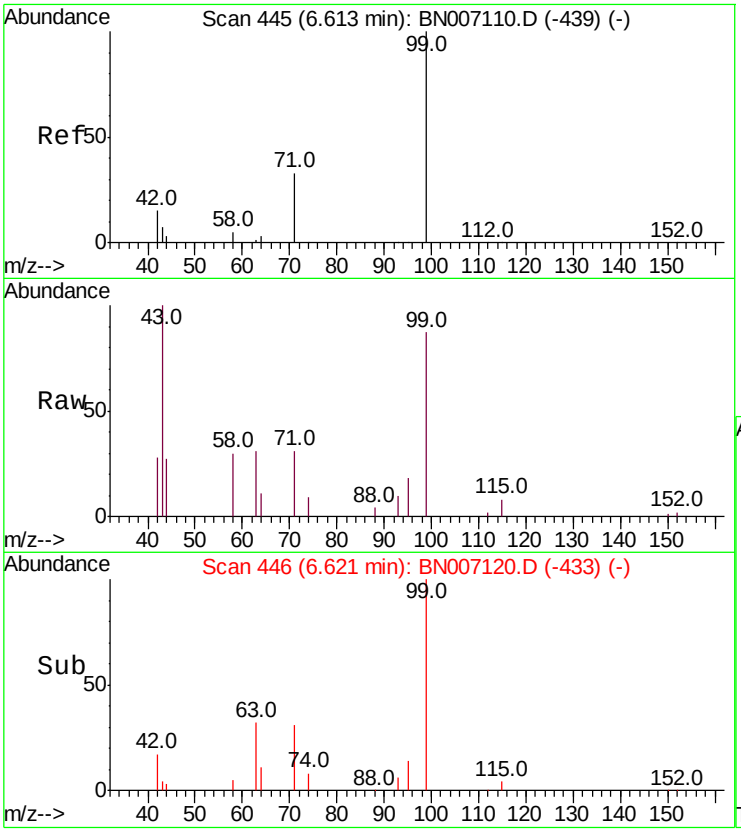




#3
2-Fluorophenol
Concen: 0.280 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion:112 Resp: 6898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.0 | 42.6 | 63.8 |
| 63 | 34.2 | 22.2 | 33.2# |



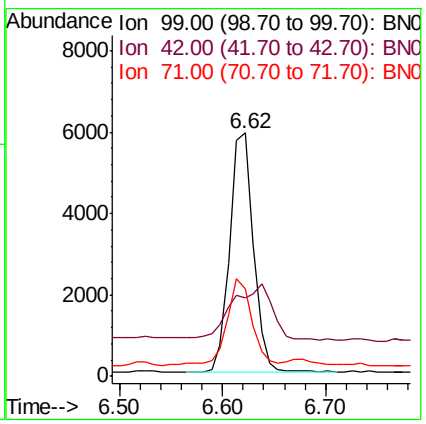


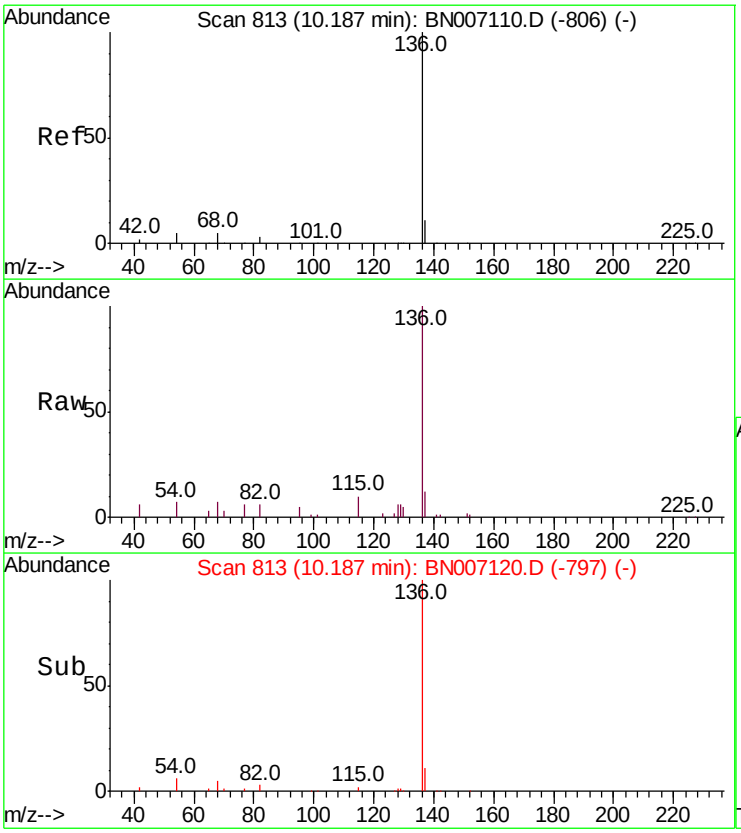

#4
Phenol-d6
Concen: 0.311 ng
RT: 6.62 min Scan# 446
Delta R.T. 0.01 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

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

Tgt Ion: 99 Resp: 9498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 0.0 | 15.8 | 23.6# |
| 71 | 38.7 | 27.0 | 40.4 |

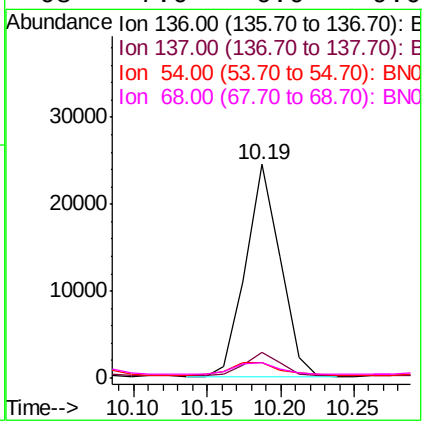


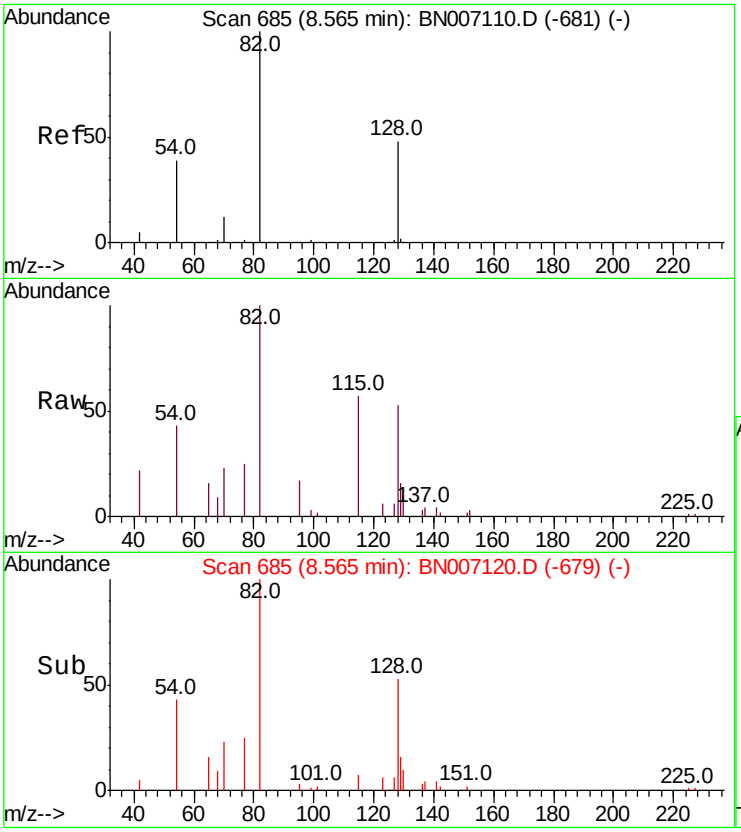




#6
Naphthalene-d8
Concen: 0.400 ng
RT: 10.19 min Scan# 813
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion:136 Resp: 39972

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 12.0 | 9.4 | 14.0 |
| 54 | 7.0 | 6.6 | 9.8 |
| 68 | 7.0 | 6.0 | 9.0 |



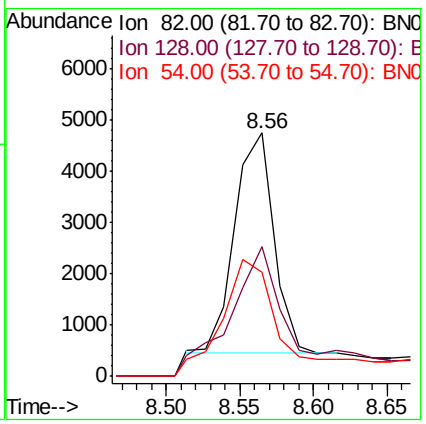


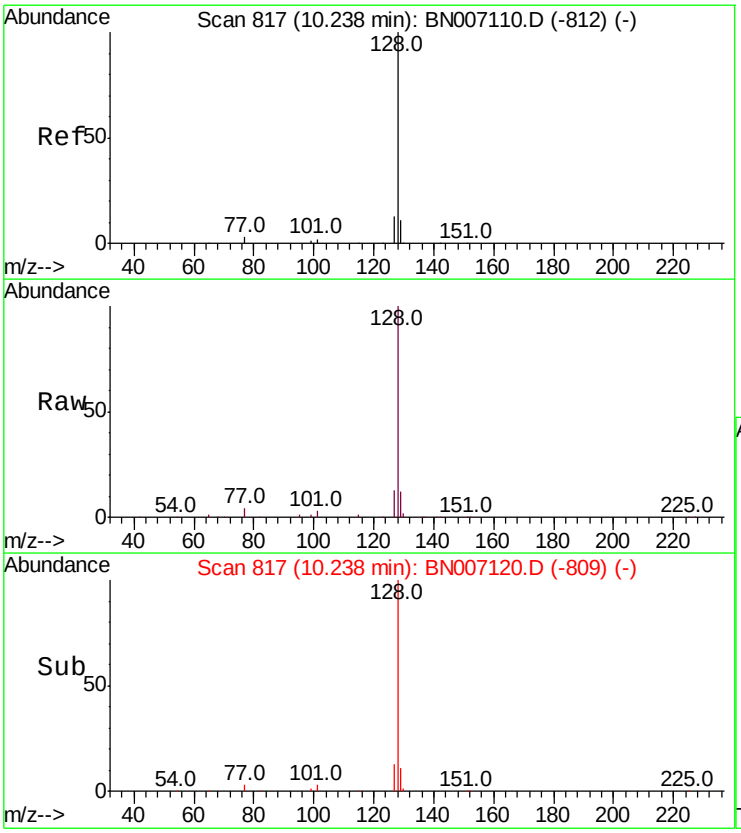

#7
Nitrobenzene-d5
Concen: 0.245 ng
RT: 8.56 min Scan# 685
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

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

Tgt Ion: 82 Resp: 7885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 53.2 | 34.6 | 51.8# |
| 54 | 42.6 | 36.2 | 54.4 |

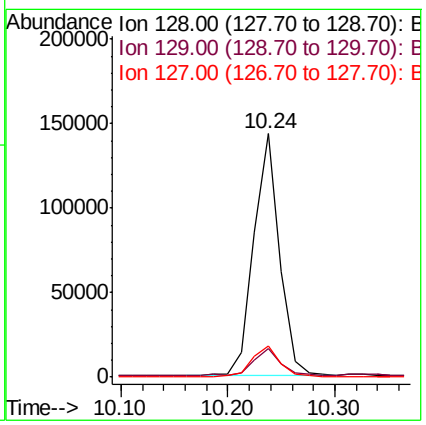


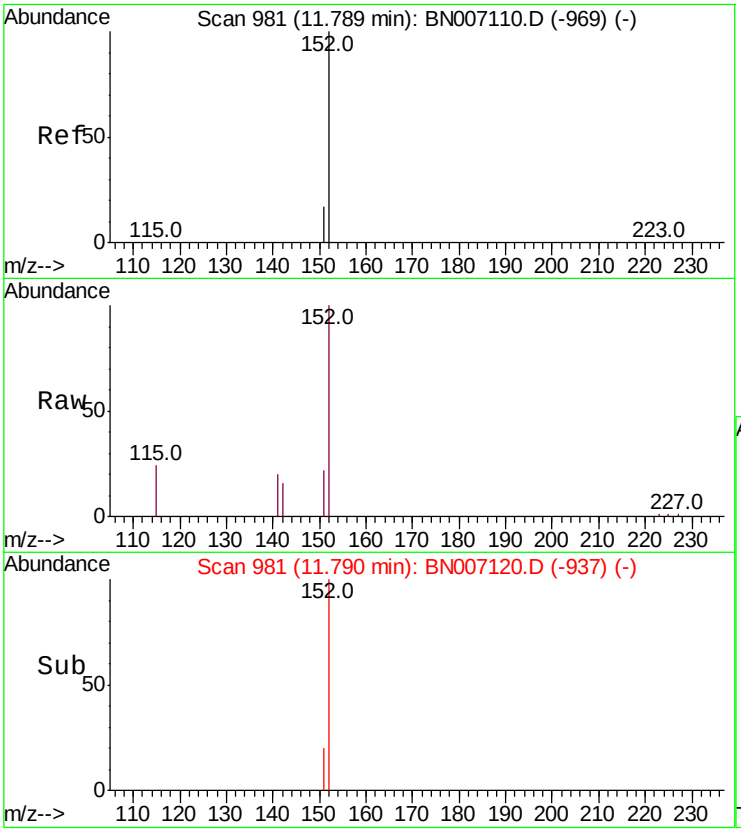




#8
Naphthalene
Concen: 2.130 ng
RT: 10.24 min Scan# 817
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion:128 Resp: 238687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.6 | 9.4 | 14.2 |
| 127 | 13.0 | 11.0 | 16.6 |



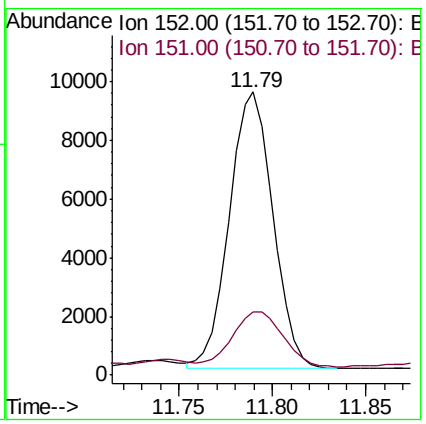


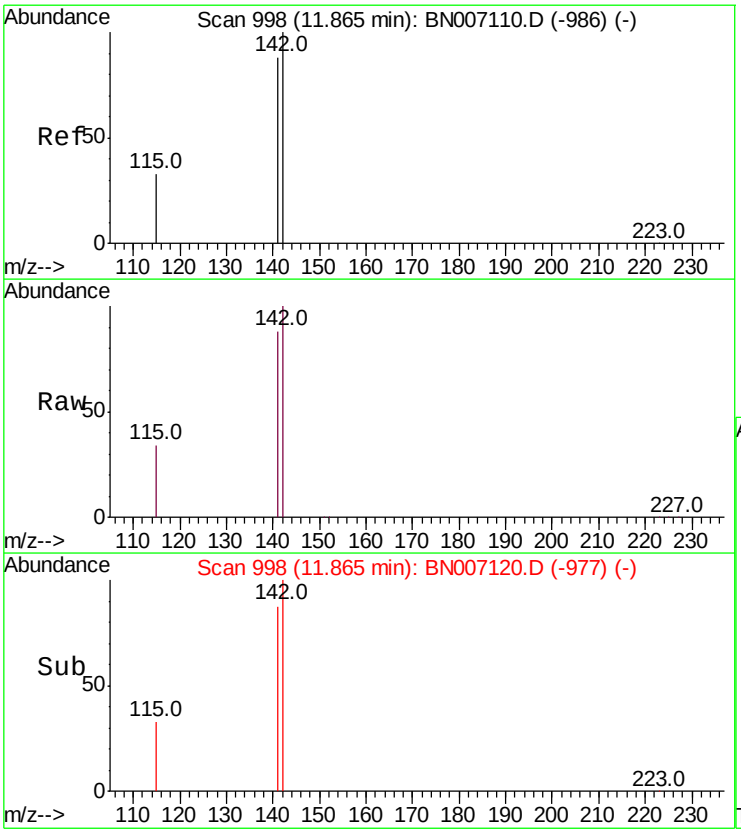

#10
2-Methylnaphthalene-d10
Concen: 0.206 ng
RT: 11.79 min Scan# 981
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

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

Tgt Ion:152 Resp: 15379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 23.0 | 15.5 | 23.3 |

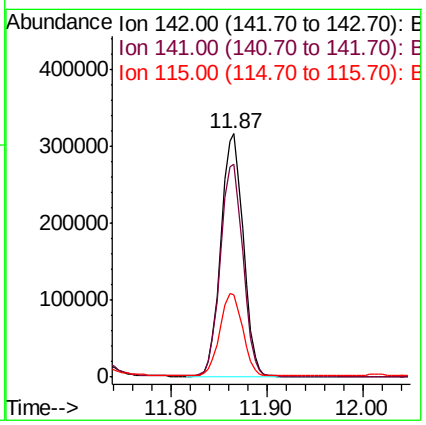


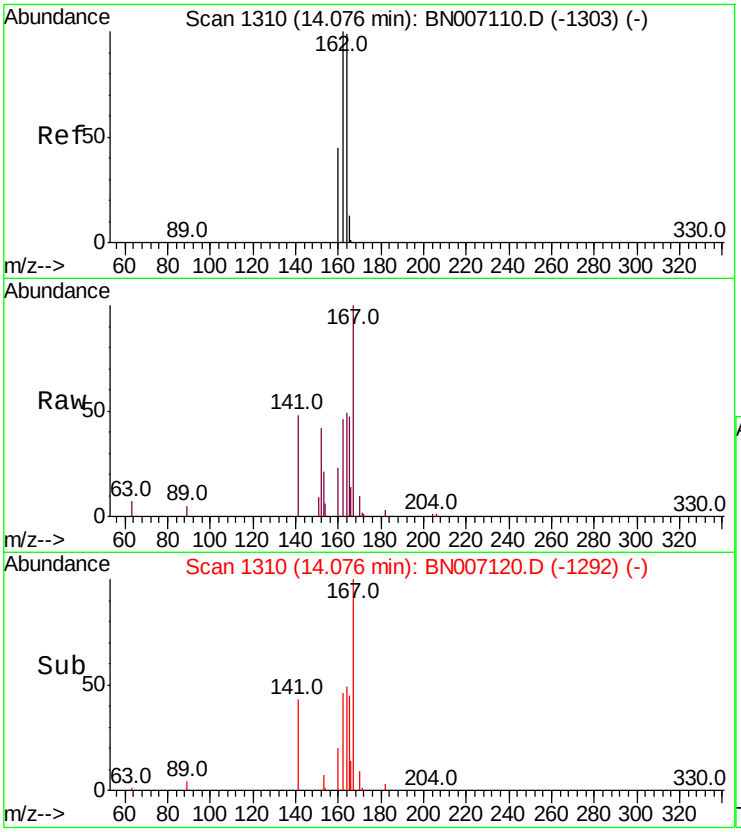




#11
2-Methylnaphthalene
Concen: 6.464 ng
RT: 11.87 min Scan# 998
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion:142 Resp: 513334

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.7 | 69.0 | 103.6 |
| 115 | 34.0 | 27.1 | 40.7 |



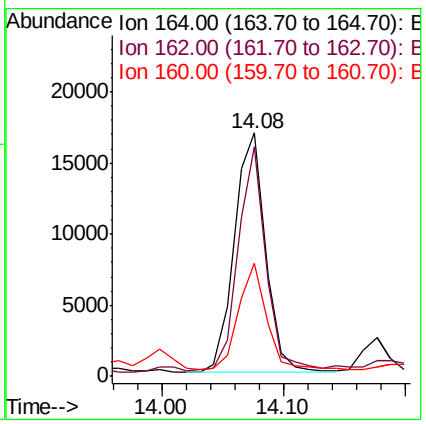


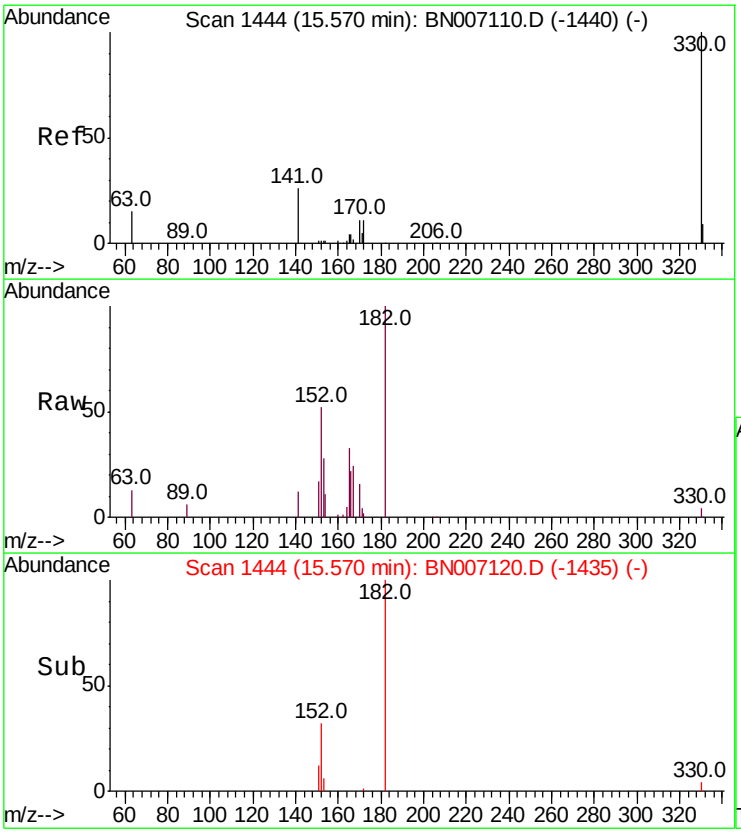

#12
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.08 min Scan# 1310
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

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

Tgt Ion:164 Resp: 30433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 94.1 | 82.2 | 123.4 |
| 160 | 46.7 | 38.3 | 57.5 |

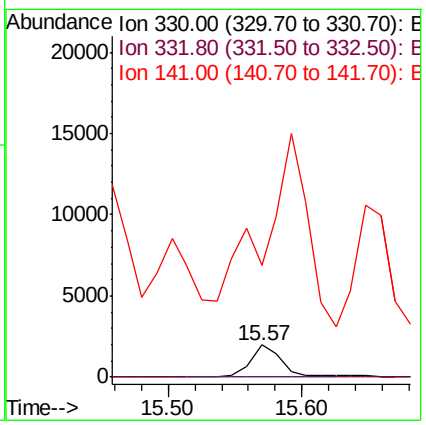


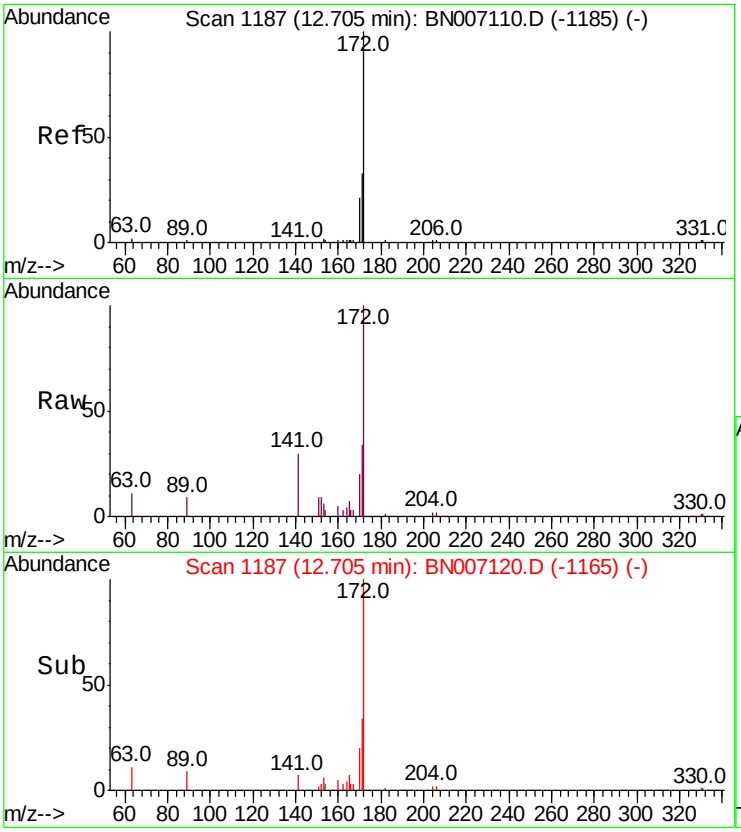




#13
2,4,6-Tribromophenol
Concen: 0.177 ng
RT: 15.57 min Scan# 1444
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion:330 Resp: 2909

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



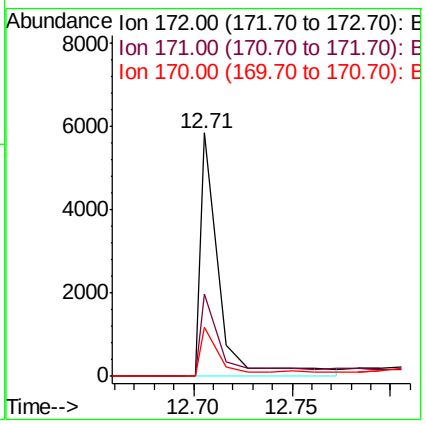


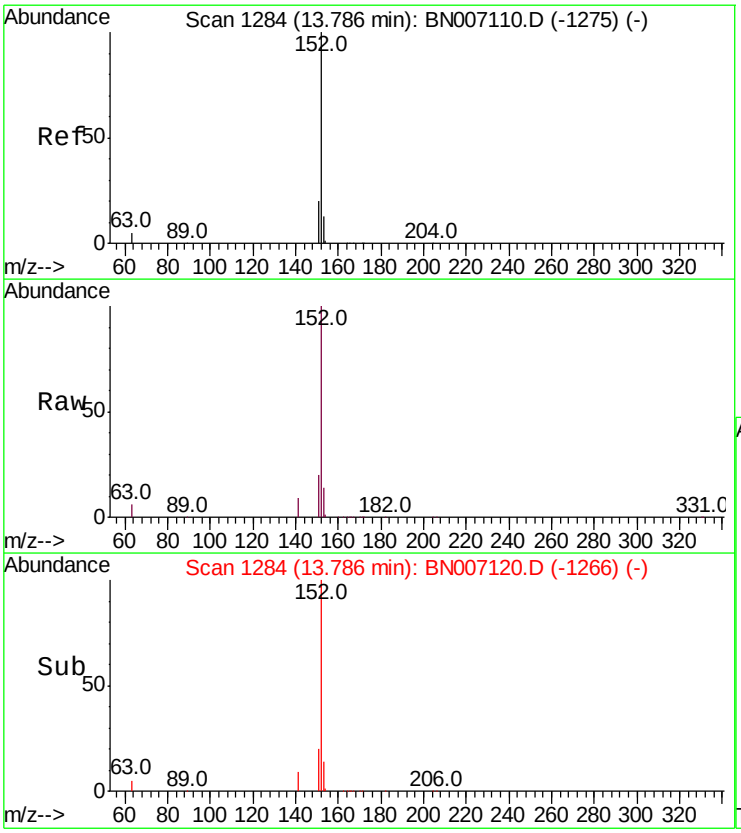

#14
2-Fluorobiphenyl
Concen: 0.097 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

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

Tgt Ion:172 Resp: 4303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.0 | 26.3 | 39.5 |
| 170 | 20.3 | 17.0 | 25.4 |

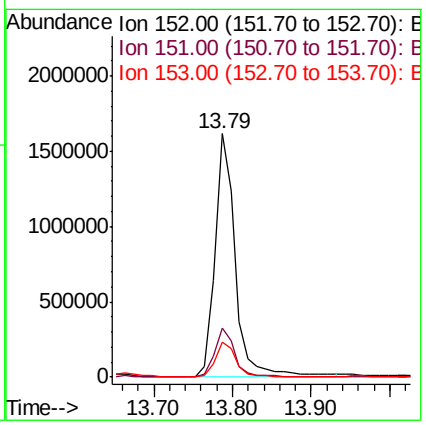


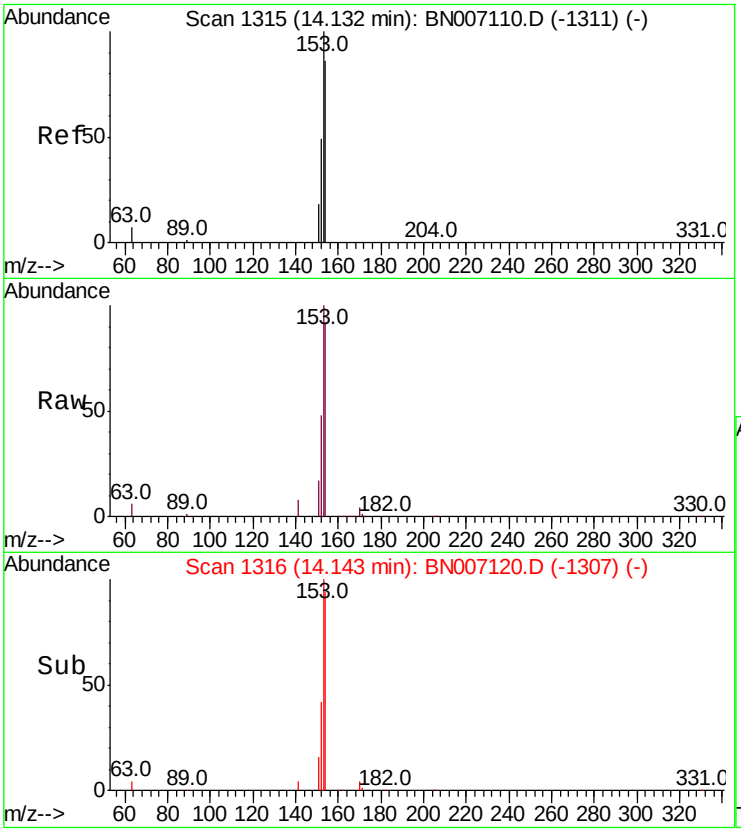




#15
Acenaphthylene
Concen: 18.290 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion:152 Resp: 2909311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 15.8 | 23.6 |
| 153 | 14.8 | 10.4 | 15.6 |



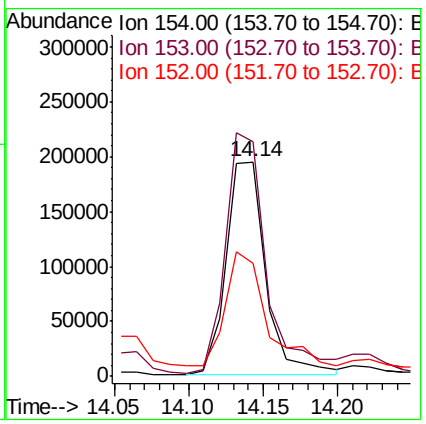


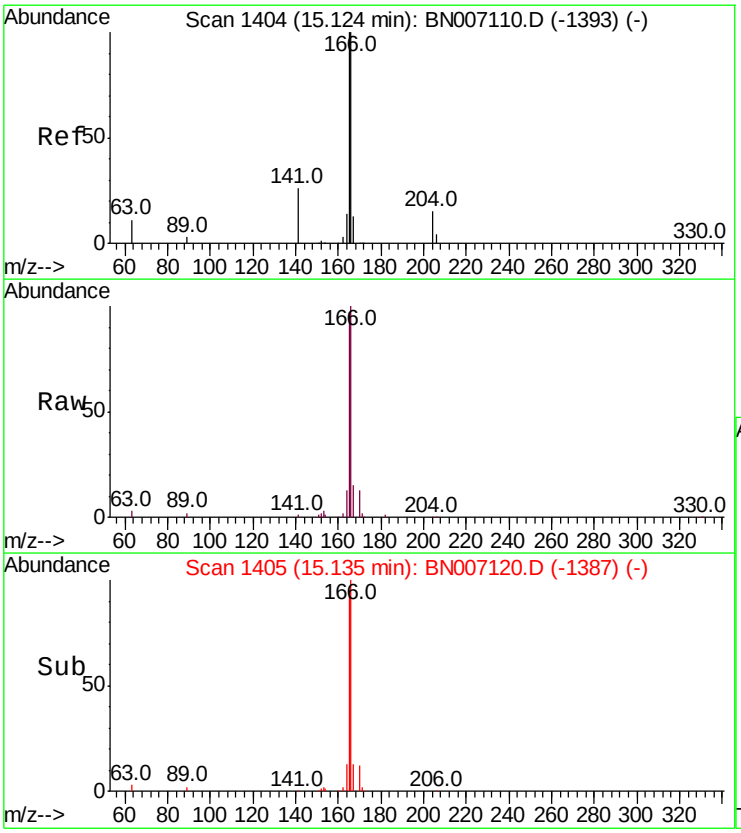

#16
Acenaphthene
Concen: 3.519 ng
RT: 14.14 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

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

Tgt Ion:154 Resp: 358519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 116.9 | 89.5 | 134.3 |
| 152 | 55.4 | 44.8 | 67.2 |

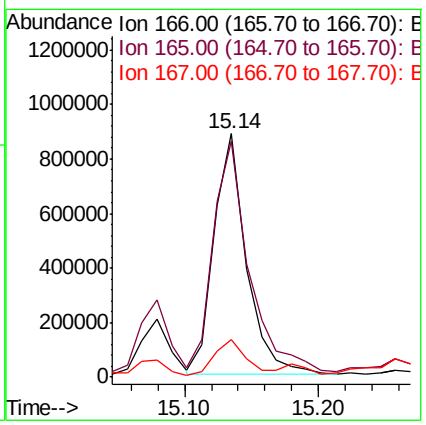


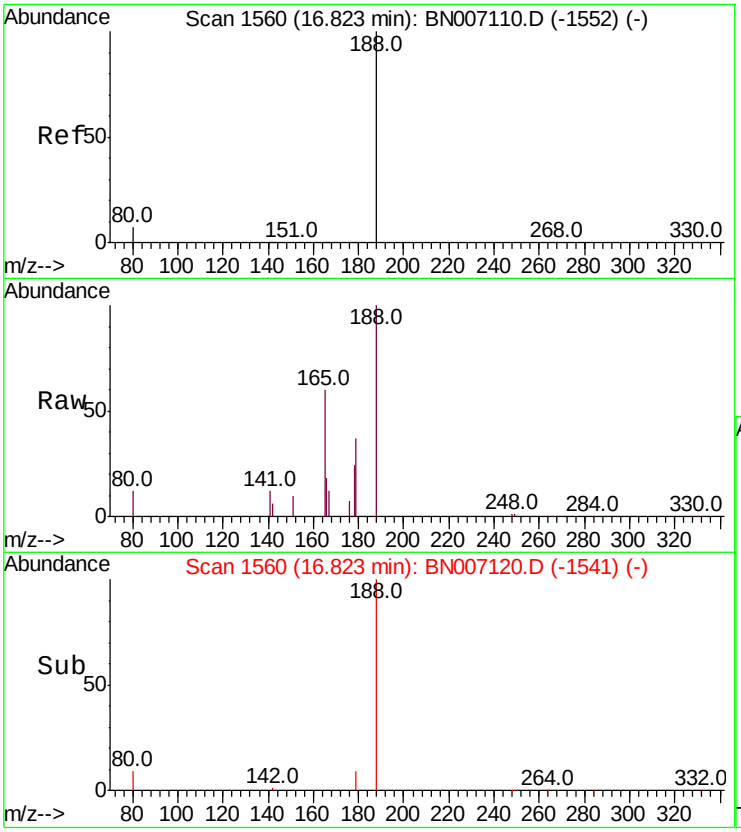




#17
Fluorene
Concen: 9.815 ng
RT: 15.14 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion:166 Resp: 1496466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 104.7 | 77.9 | 116.9 |
| 167 | 15.0 | 10.9 | 16.3 |



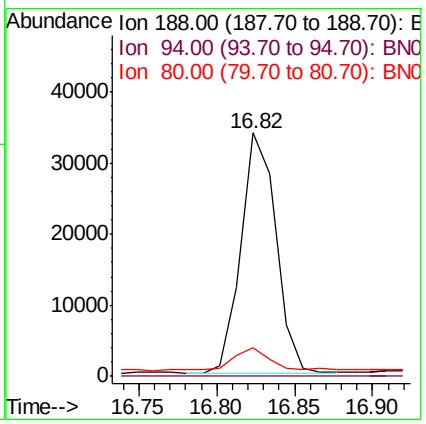


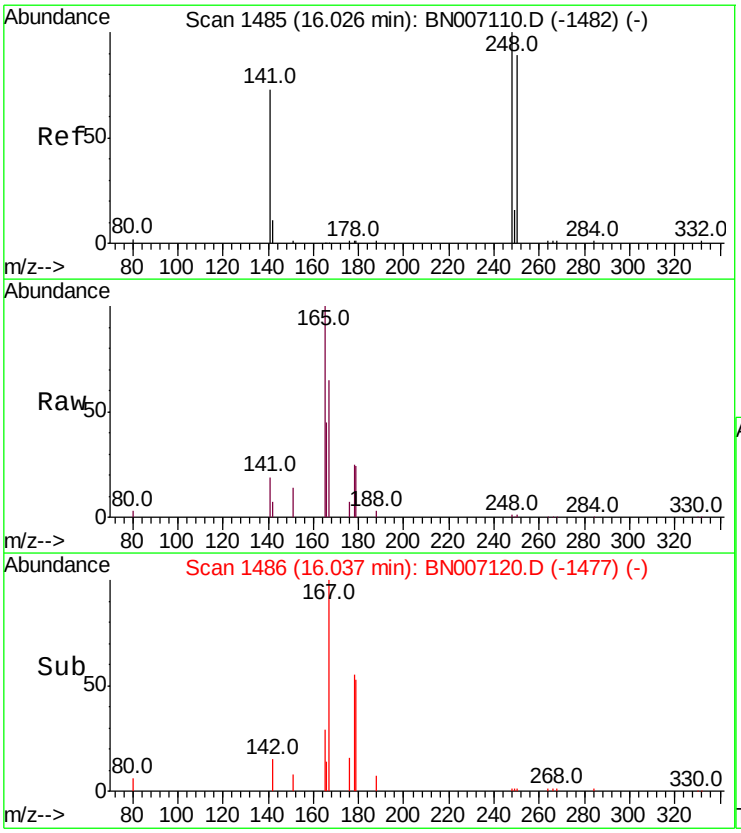

#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

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

Tgt Ion:188 Resp: 52547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 11.8 | 7.8 | 11.6# |

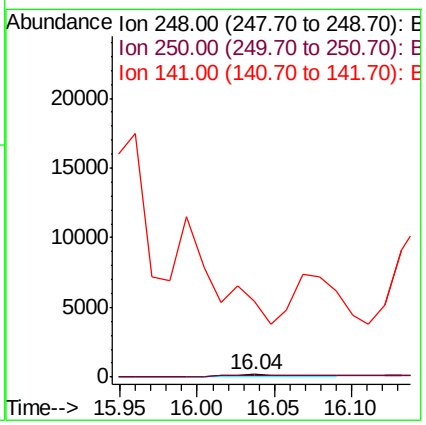


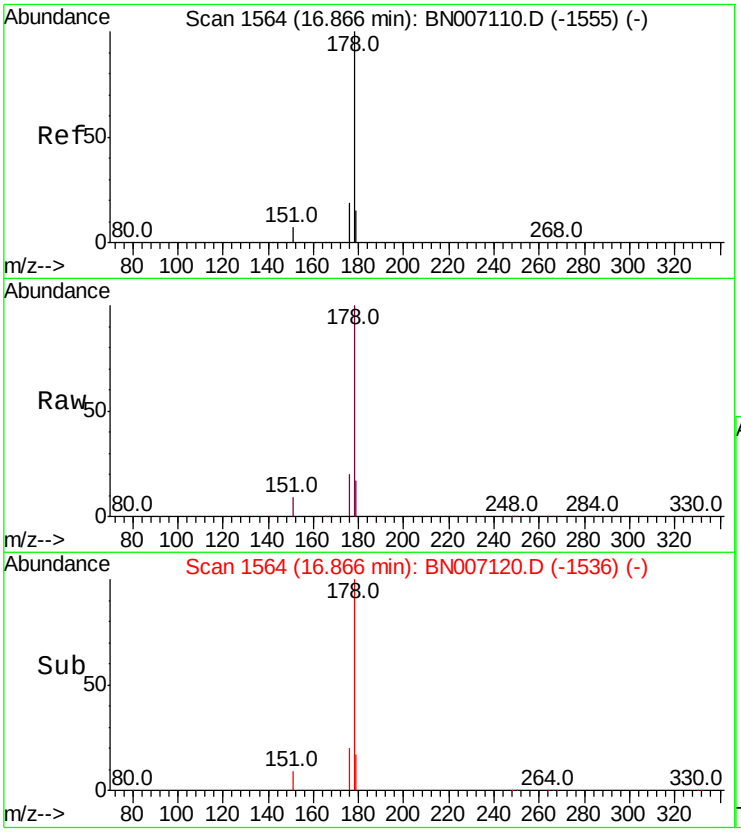




#19
4-Bromophenyl-phenylether
Concen: 0.021 ng
RT: 16.04 min Scan# 1486
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion:248 Resp: 694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 88.8 | 78.9 | 118.3 |
| 141 | 3072.5 | 43.3 | 64.9# |



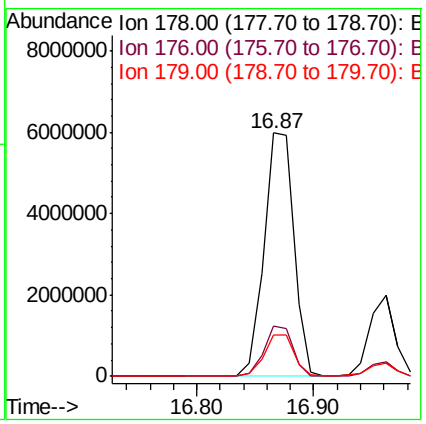


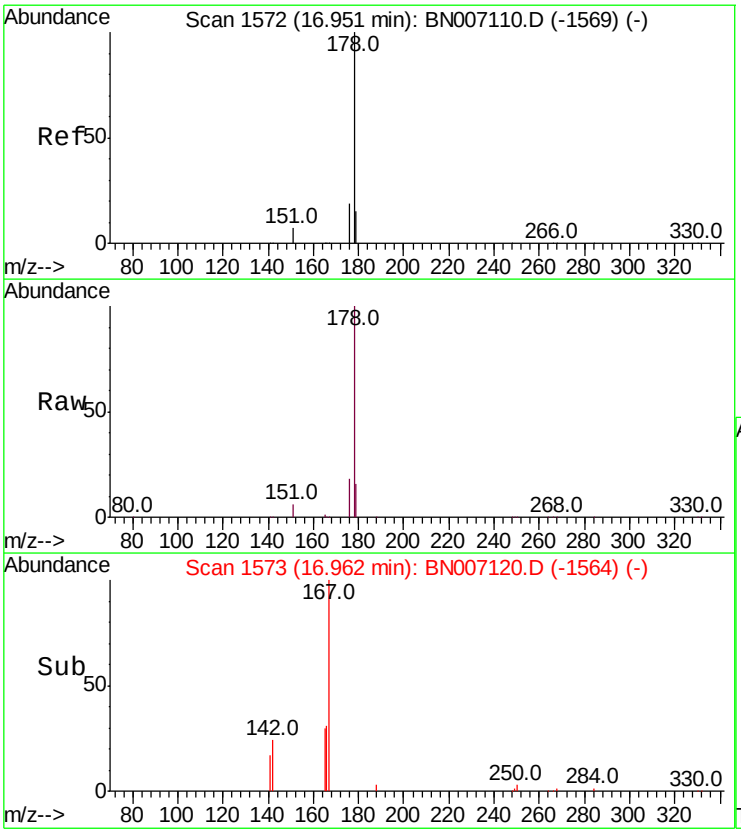

#22
Phenanthrene
Concen: 67.467 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

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

Tgt Ion:178 Resp:10624622

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.9 | 15.2 | 22.8 |
| 179 | 17.1 | 12.3 | 18.5 |

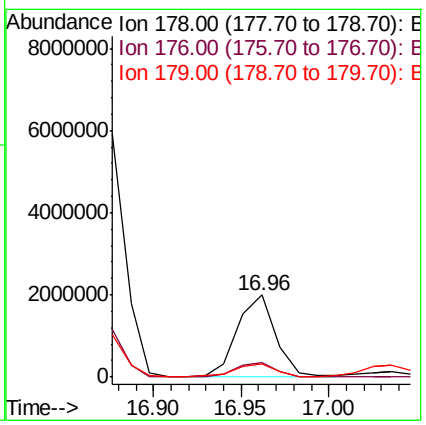


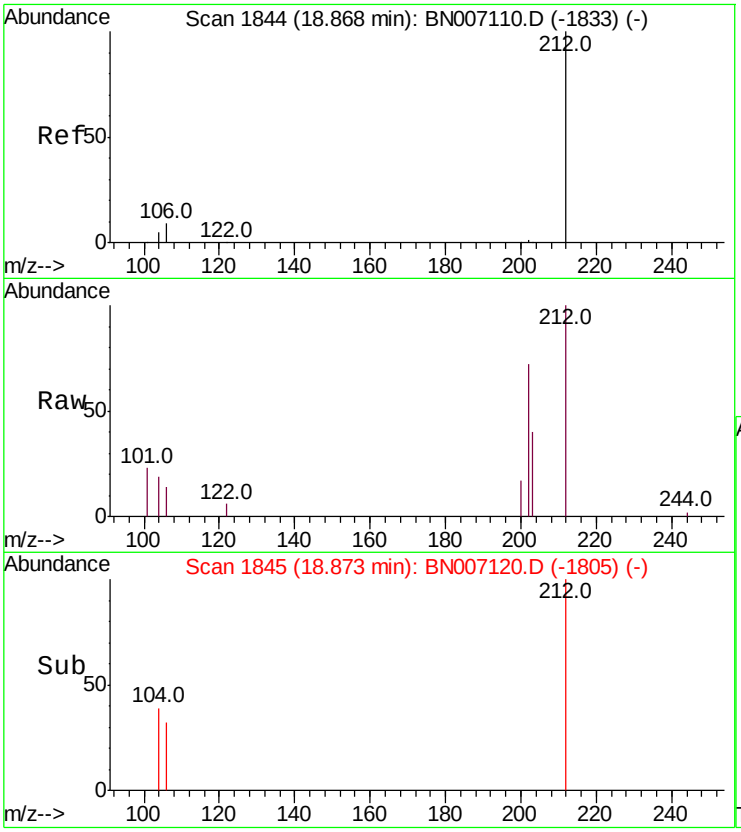




#23
Anthracene
Concen: 20.660 ng
RT: 16.96 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion:178 Resp: 2972680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 14.6 | 21.8 |
| 179 | 16.1 | 12.5 | 18.7 |



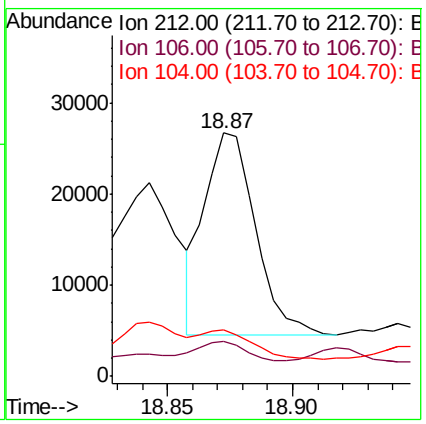


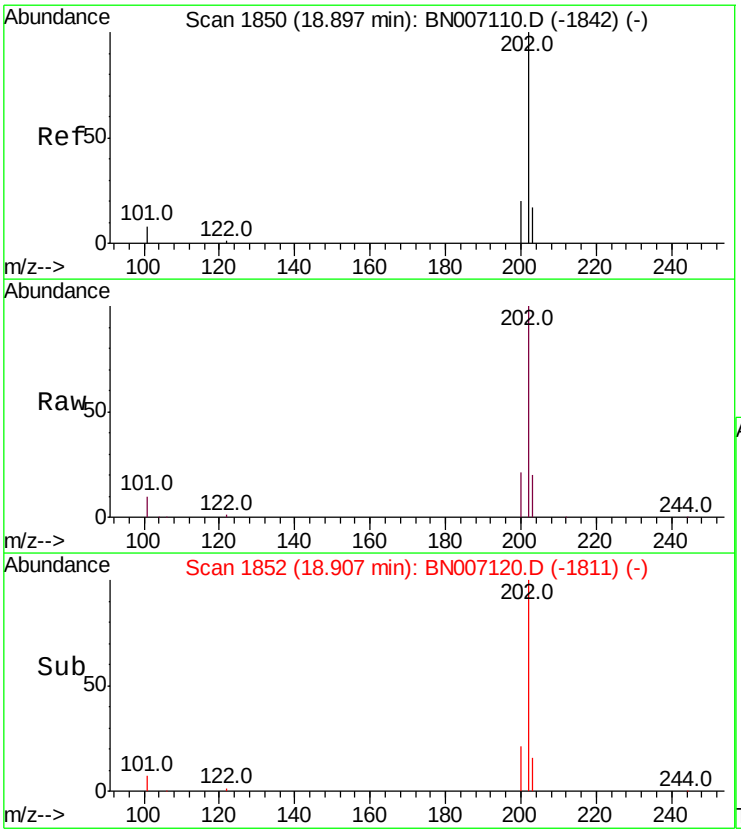

#24
Fluoranthene-d10
Concen: 0.169 ng
RT: 18.87 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

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

Tgt Ion:212 Resp: 31463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 9.8 | 8.2 | 12.2 |
| 104 | 12.1 | 4.5 | 6.7# |

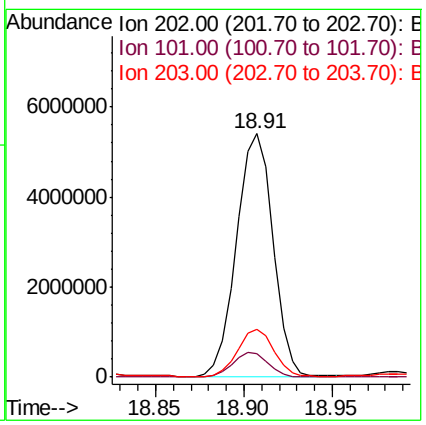


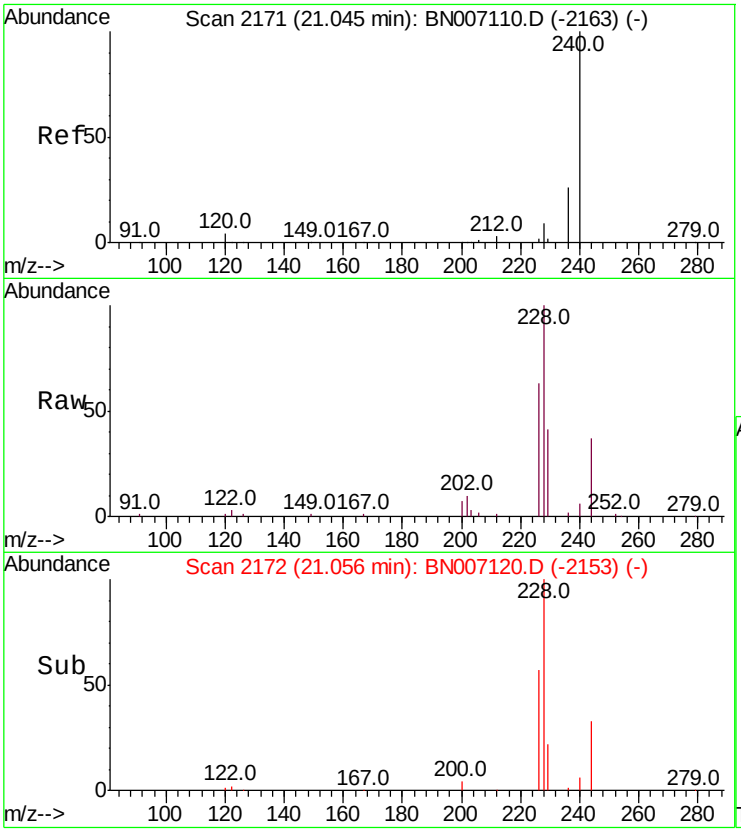




#25
Fluoranthene
Concen: 38.314 ng
RT: 18.91 min Scan# 1852
Delta R.T. 0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion:202 Resp: 7718106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.8 | 7.0 | 10.4 |
| 203 | 19.3 | 13.8 | 20.8 |



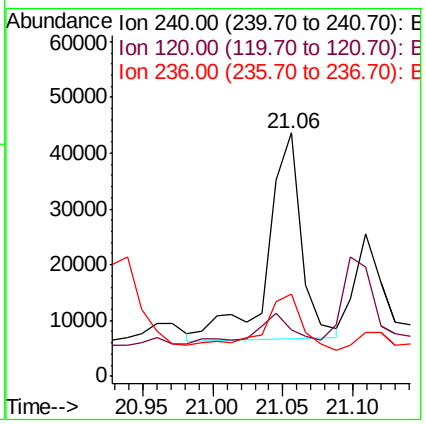


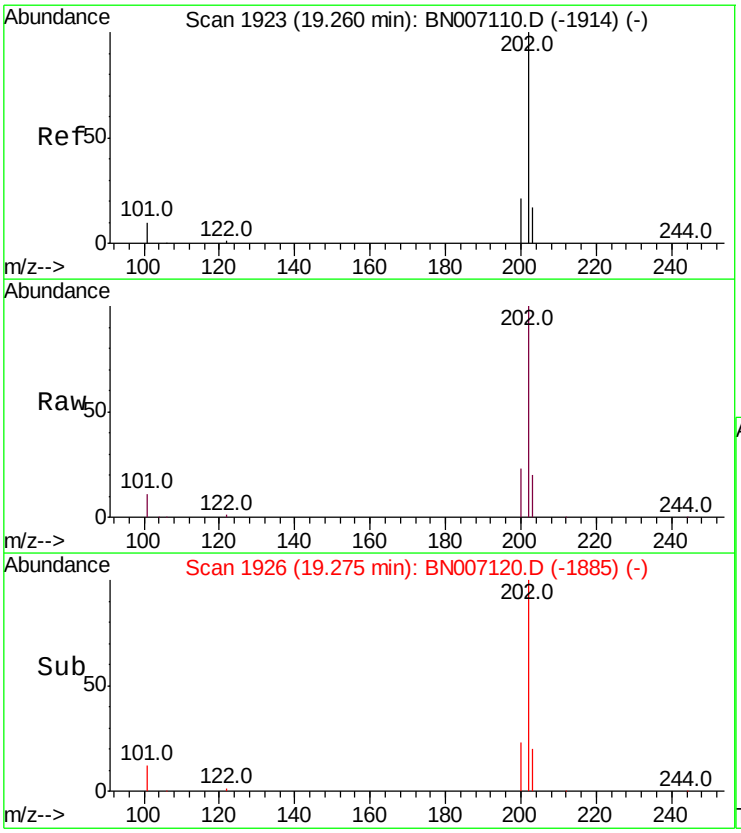

#26
Chrysene-d12
Concen: 0.400 ng
RT: 21.06 min Scan# 2172
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

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

Tgt Ion:240 Resp: 62102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 19.2 | 4.0 | 6.0# |
| 236 | 34.0 | 21.3 | 31.9# |

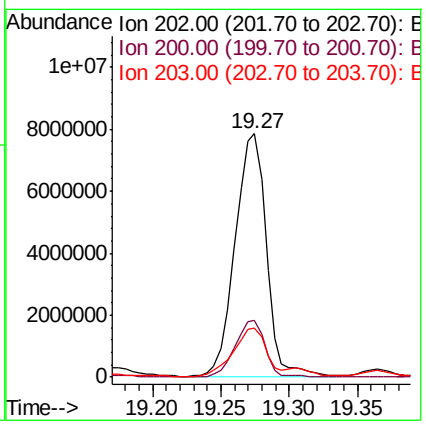


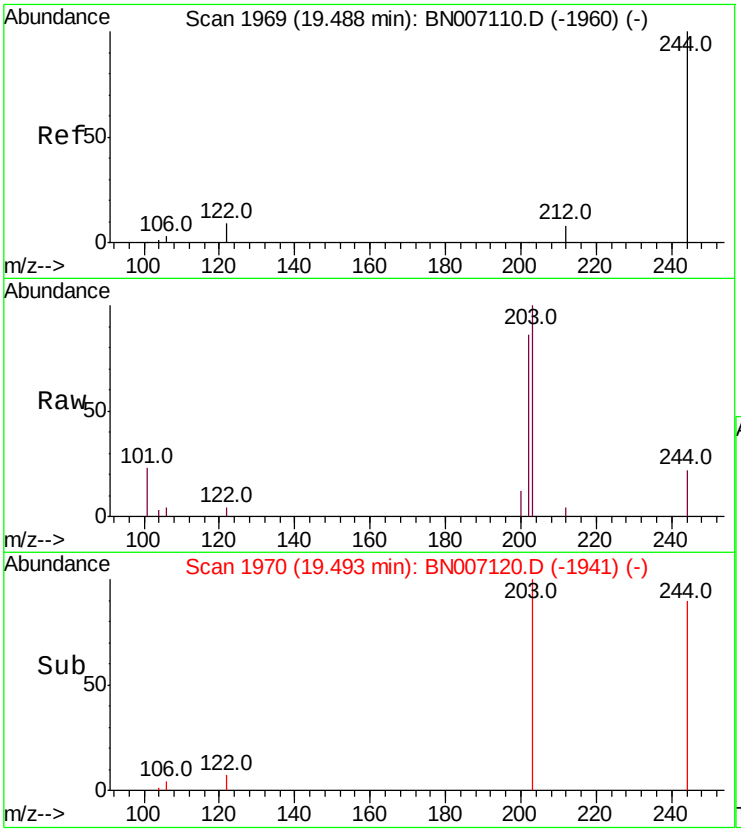




#27
Pyrene
Concen: 56.809 ng
RT: 19.27 min Scan# 1926
Delta R.T. 0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion:202 Resp:12372274

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.3 | 16.6 | 24.8 |
| 203 | 21.1 | 14.0 | 21.0# |



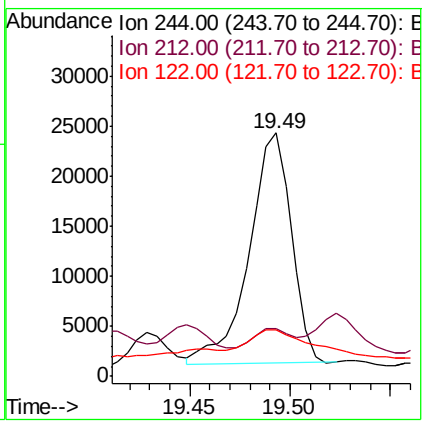


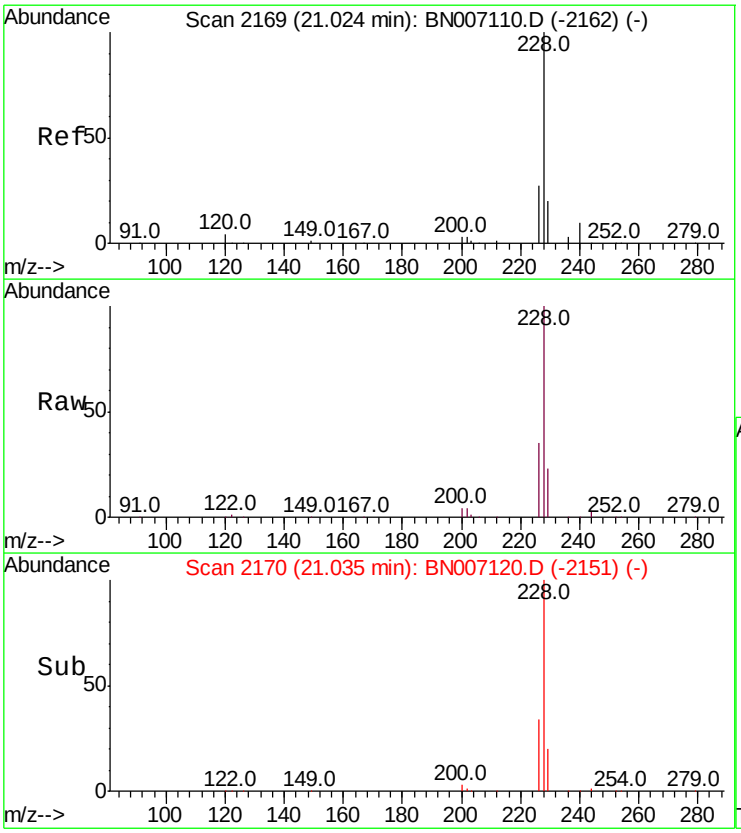

#28
Terphenyl-d14
Concen: 0.200 ng
RT: 19.49 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

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

Tgt Ion:244 Resp: 33783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 19.6 | 6.2 | 9.2# |
| 122 | 19.3 | 7.4 | 11.2# |

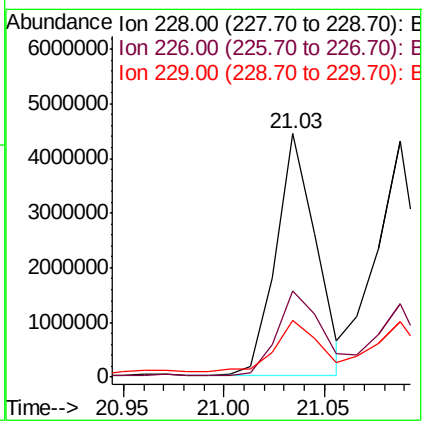


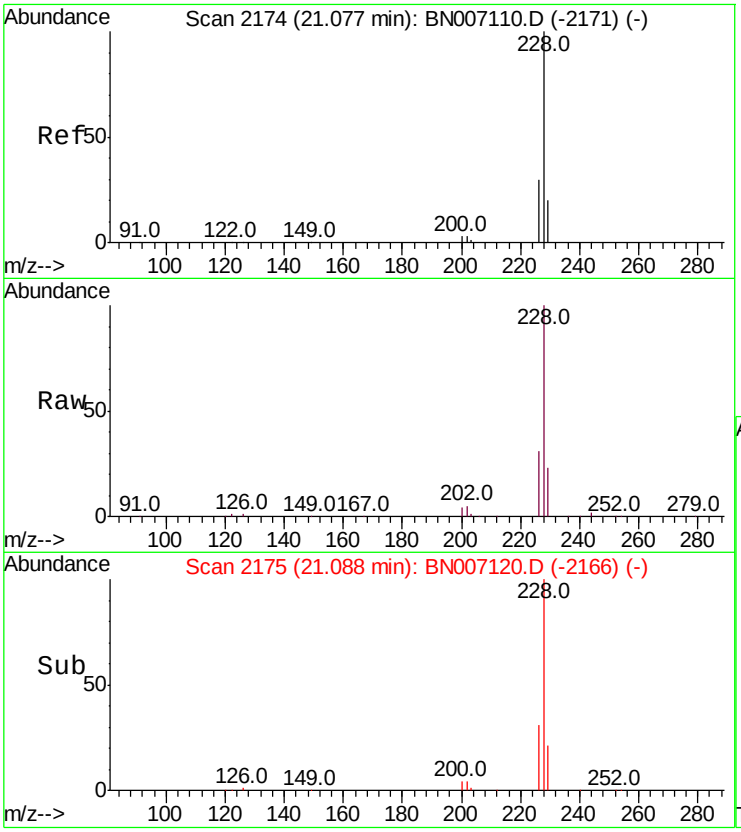




#29
Benzo(a)anthracene
Concen: 26.866 ng
RT: 21.03 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion:228 Resp: 6101628

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 35.2 | 21.8 | 32.6# |
| 229 | 23.3 | 15.6 | 23.4 |



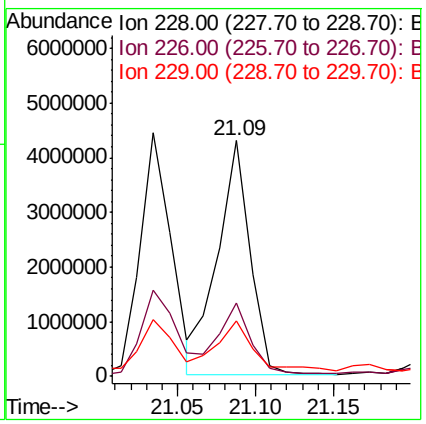


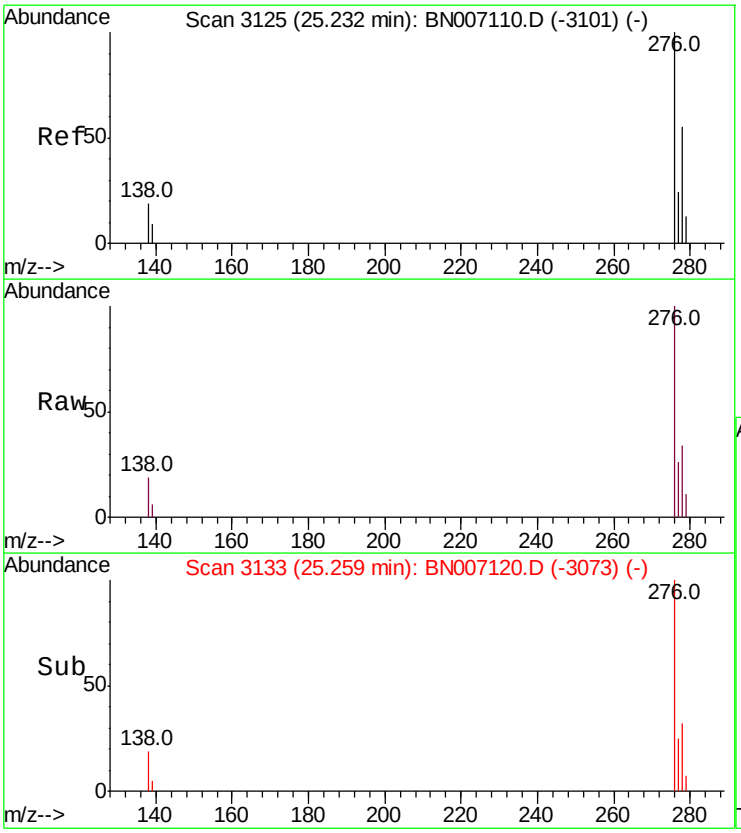

#30
Chrysene
Concen: 27.904 ng
RT: 21.09 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

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

Tgt Ion:228 Resp: 6157009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.1 | 23.8 | 35.6 |
| 229 | 23.4 | 15.7 | 23.5 |

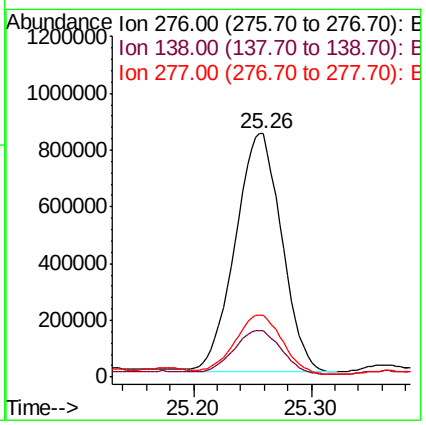


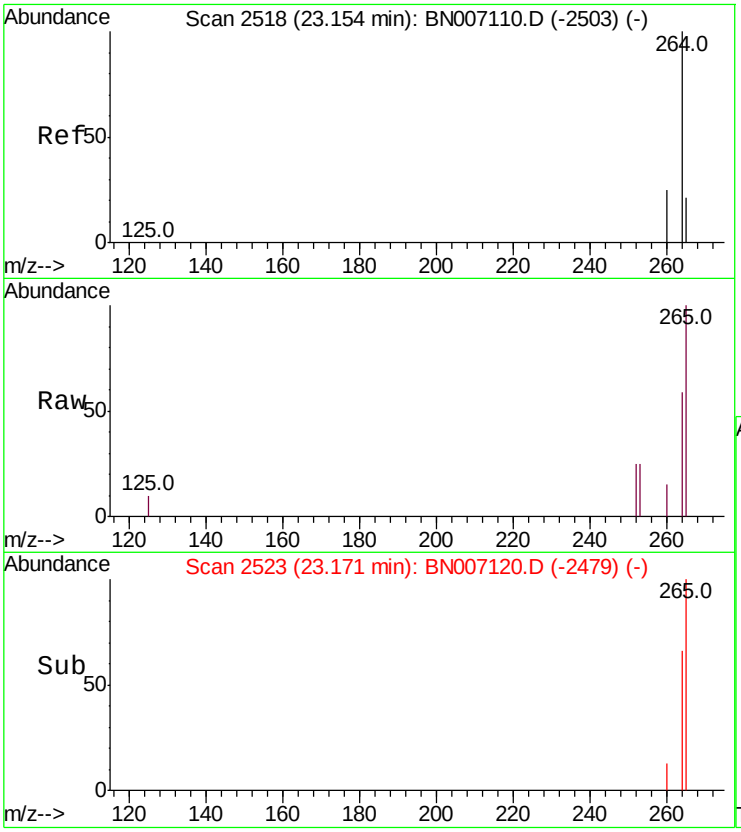




#31
Indeno(1,2,3-cd)pyrene
Concen: 9.486 ng
RT: 25.26 min Scan# 3133
Delta R.T. 0.01 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion:276 Resp: 2307009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.2 | 16.0 | 24.0 |
| 277 | 25.4 | 19.9 | 29.9 |



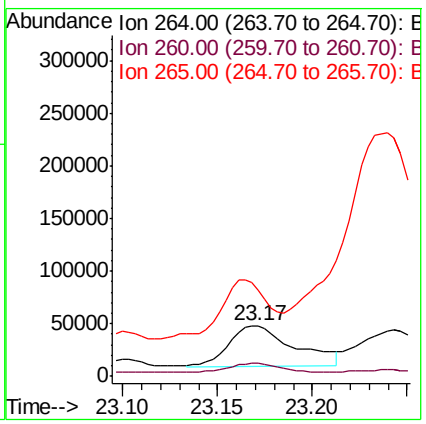


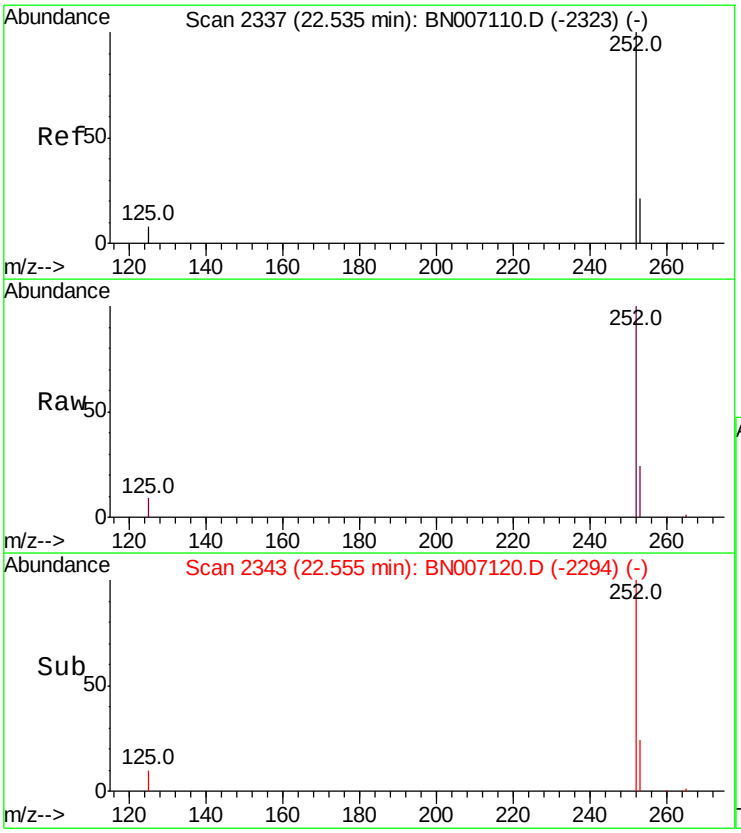

#32
Perylene-d12
Concen: 0.400 ng
RT: 23.17 min Scan# 2523
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

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

Tgt Ion:264 Resp: 91638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.0 | 19.8 | 29.8 |
| 265 | 170.7 | 26.2 | 39.4# |

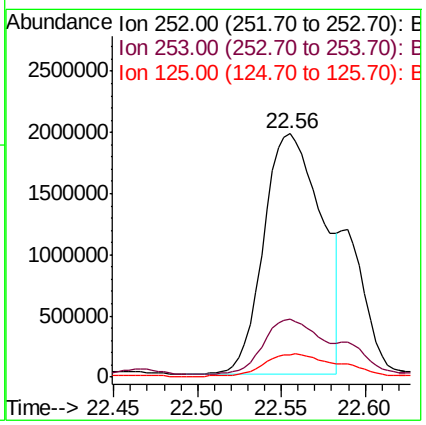


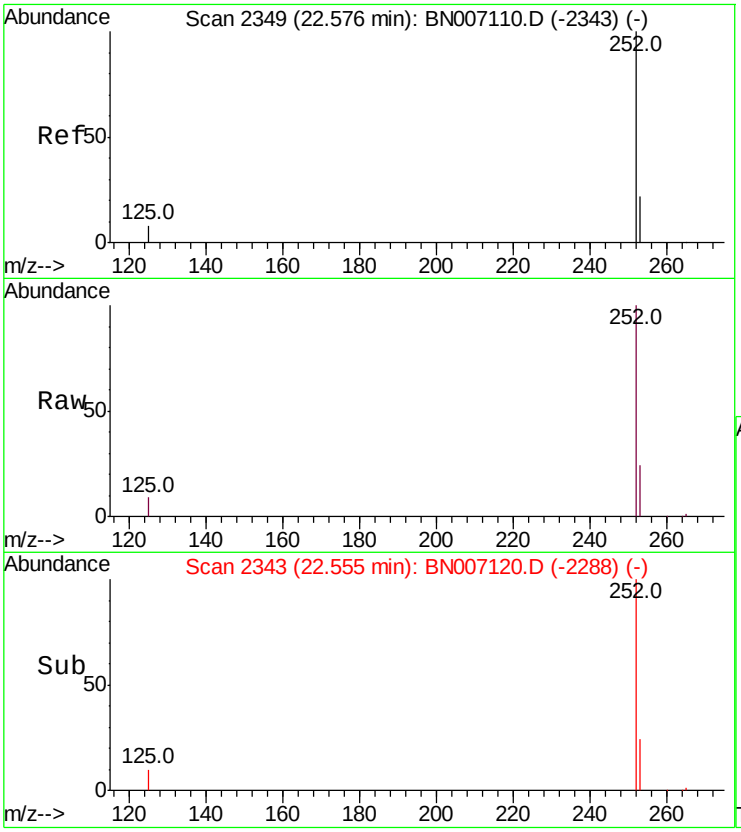




#33
Benzo(b)fluoranthene
Concen: 15.042 ng
RT: 22.56 min Scan# 2343
Delta R.T. 0.01 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion:252 Resp: 4726814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 18.2 | 27.2 |
| 125 | 9.3 | 7.4 | 11.0 |



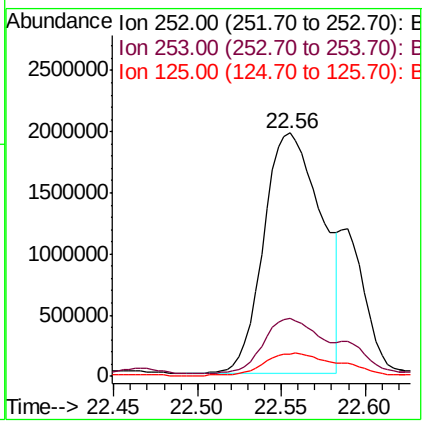


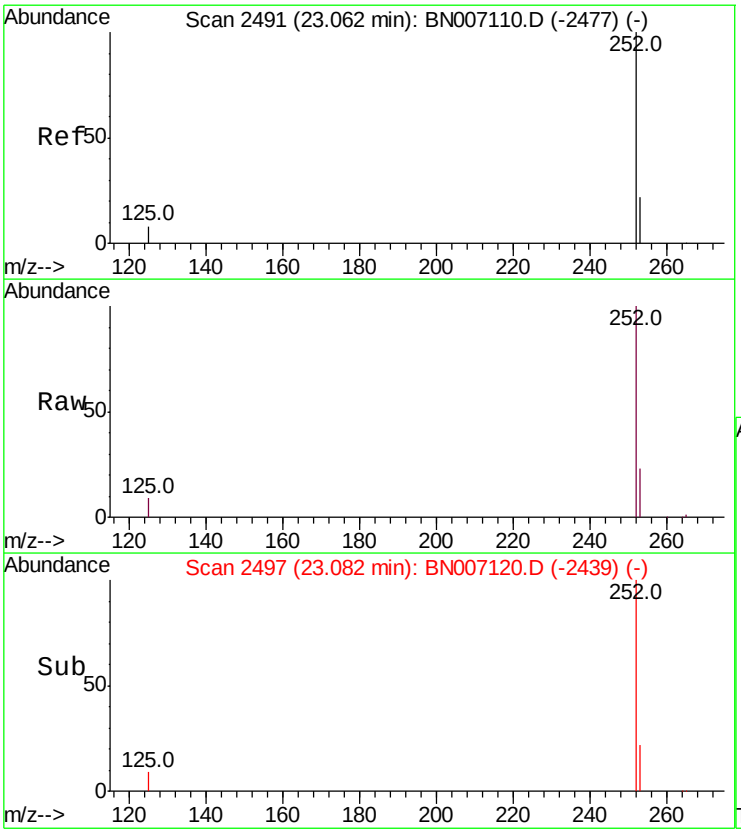

#34
Benzo(k)fluoranthene
Concen: 15.231 ng
RT: 22.56 min Scan# 2343
Delta R.T. -0.03 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

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

Tgt Ion:252 Resp: 4726814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 18.1 | 27.1 |
| 125 | 9.3 | 7.4 | 11.0 |

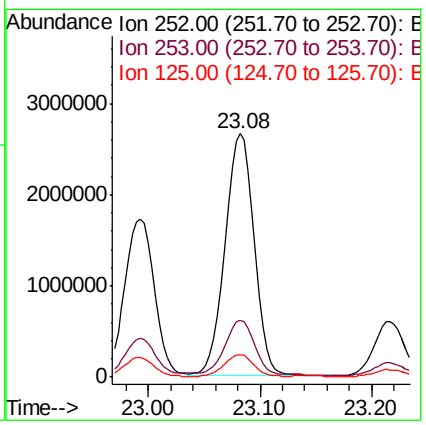


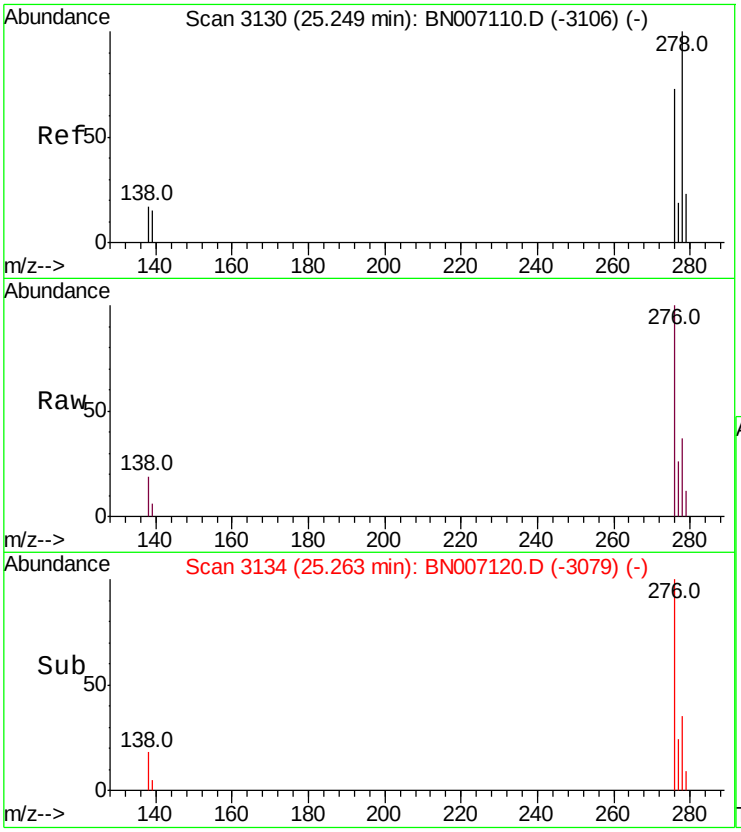




#35
Benzo(a)pyrene
Concen: 16.721 ng
RT: 23.08 min Scan# 2497
Delta R.T. -0.00 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion:252 Resp: 4763423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 18.5 | 27.7 |
| 125 | 9.3 | 8.2 | 12.4 |



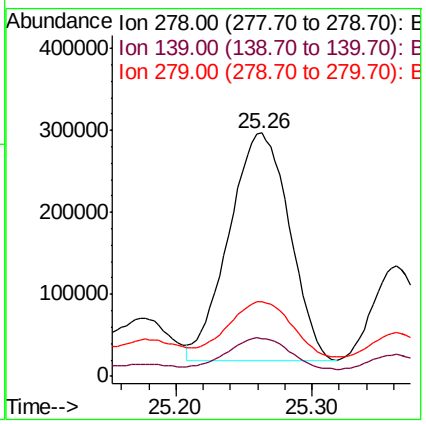


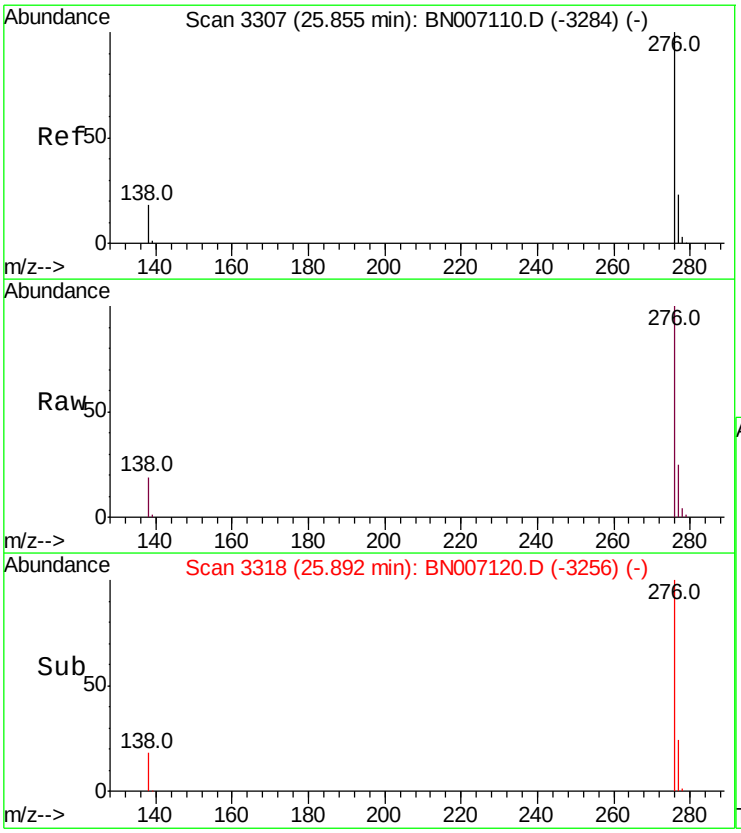

#36
Dibenzo(a,h)anthracene
Concen: 3.007 ng
RT: 25.26 min Scan# 3134
Delta R.T. -0.01 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

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

Tgt Ion:278 Resp: 854707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 15.5 | 11.3 | 16.9 |
| 279 | 30.9 | 19.3 | 28.9# |




#37
Benzo(g,h,i)perylene
Concen: 9.698 ng
RT: 25.89 min Scan# 3318
Delta R.T. 0.01 min
Lab File: BN007120.D
Acq: 13 Aug 2019 08:07

Tgt Ion:276 Resp: 2835550

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.9 | 19.8 | 29.8 |
| 138 | 18.7 | 14.6 | 22.0 |