Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061818\
Data File : BE096809.D
Acq On : 18 Jun 2018 15:28
Operator : SJ/JU
Sample : PB110224BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** PB110224BS

Quant Time: Jun 18 16:23:41 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 18 13:28:13 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.40 | 152 | 3994 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.16 | 136 | 16340 | 0.40 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.03 | 164 | 6594 | 0.40 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 16.78 | 188 | 14722 | 0.40 | ng | | 0.00 |
| 27) Chrysene-d12 | 20.98 | 240 | 15264 | 0.40 | ng | | 0.00 |
| 34) Perylene-d12 | 23.22 | 264 | 14293 | 0.40 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.06 | 112 | 2697 | 0.31 | ng | | 0.00 |
| 5) Phenol-d6 | 6.59 | 99 | 3542 | 0.27 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.53 | 82 | 2543 | 0.28 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.74 | 152 | 8116 | 0.31 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.53 | 330 | 238 | 0.22 | ng | | 0.01 |
| 15) 2-Fluorobiphenyl | 12.64 | 172 | 8510 | 0.31 | ng | | 0.00 |
| 25) Fluoranthene-d10 | 18.82 | 212 | 37693 | 0.26 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.44 | 244 | 7922 | 0.23 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.12 | 88 | 2732 | 0.423 | ng | # | 82 |
| 3) n-Nitrosodimethylamine | 3.39 | 42 | 2196 | 0.322 | ng | # | 86 |
| 6) bis(2-Chloroethyl)ether | 6.85 | 93 | 4286 | 0.278 | ng | | 96 |
| 9) Naphthalene | 10.20 | 128 | 49310 | 0.307 | ng | | 100 |
| 10) Hexachlorobutadiene | 10.50 | 225 | 1904 | 0.284 | ng | | 97 |
| 12) 2-Methylnaphthalene | 11.81 | 142 | 7407 | 0.275 | ng | | 99 |
| 16) Acenaphthylene | 13.74 | 152 | 8457 | 0.272 | ng | | 100 |
| 17) Acenaphthene | 14.08 | 154 | 5857 | 0.280 | ng | # | 94 |
| 18) Fluorene | 15.07 | 166 | 6439 | 0.260 | ng | # | 80 |
| 20) 4-Bromophenyl-phenylether | 15.98 | 248 | 1945 | 0.271 | ng | # | 82 |
| 21) Hexachlorobenzene | 16.09 | 284 | 2376 | 0.282 | ng | # | 80 |
| 22) Pentachlorophenol | 16.43 | 266 | 507 | 0.382 | ng | # | 78 |
| 23) Phenanthrene | 16.81 | 178 | 11658 | 0.291 | ng | | 98 |
| 24) Anthracene | 16.90 | 178 | 9315 | 0.284 | ng | | 95 |
| 26) Fluoranthene | 18.84 | 202 | 12055 | 0.285 | ng | | 99 |
| 28) Pyrene | 19.21 | 202 | 11808 | 0.235 | ng | | 99 |
| 30) Benzo(a)anthracene | 20.97 | 228 | 10870 | 0.294 | ng | | 96 |
| 31) Chrysene | 21.02 | 228 | 14046 | 0.301 | ng | | 98 |
| 32) Bis(2-ethylhexyl)phthalate | 20.93 | 149 | 8197 | 0.295 | ng | # | 99 |
| 33) Indeno(1,2,3-cd)pyrene | 25.51 | 276 | 11769 | 0.336 | ng | | 94 |
| 35) Benzo(b)fluoranthene | 22.54 | 252 | 11723 | 0.298 | ng | # | 88 |
| 36) Benzo(k)fluoranthene | 22.59 | 252 | 13731 | 0.294 | ng | | 95 |
| 37) Benzo(a)pyrene | 23.11 | 252 | 9648 | 0.283 | ng | | 93 |
| 38) Dibenzo(a,h)anthracene | 25.53 | 278 | 9756 | 0.317 | ng | | 98 |
| 39) Benzo(g,h,i)perylene | 26.21 | 276 | 11078 | 0.306 | ng | # | 92 |

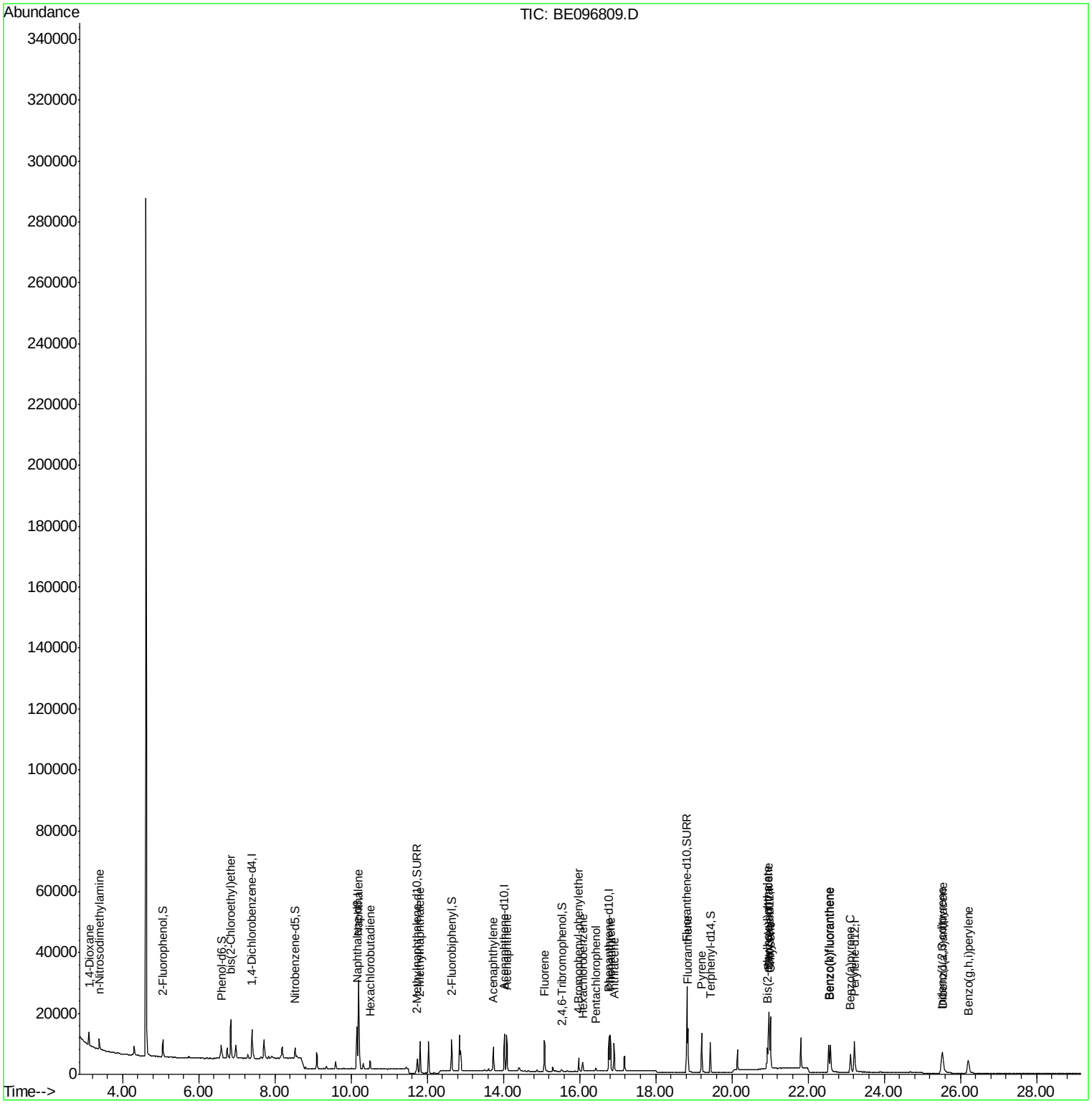
(#) = qualifier out of range (m) = manual integration (+) = signals summed

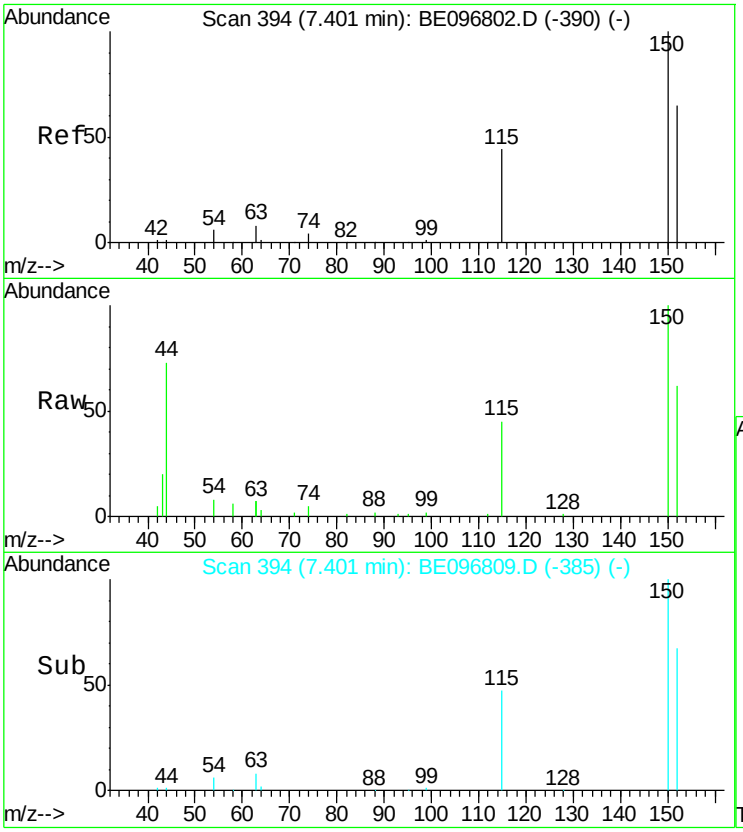
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE061818\
Data File : BE096809.D
Acq On : 18 Jun 2018 15:28
Operator : SJ/JU
Sample : PB110224BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Quant Time: Jun 18 16:23:41 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE061818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 18 13:28:13 2018
Response via : Initial Calibration



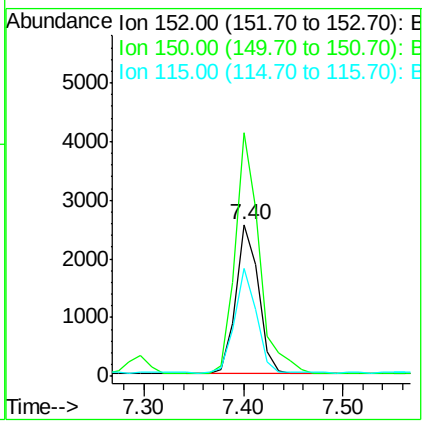


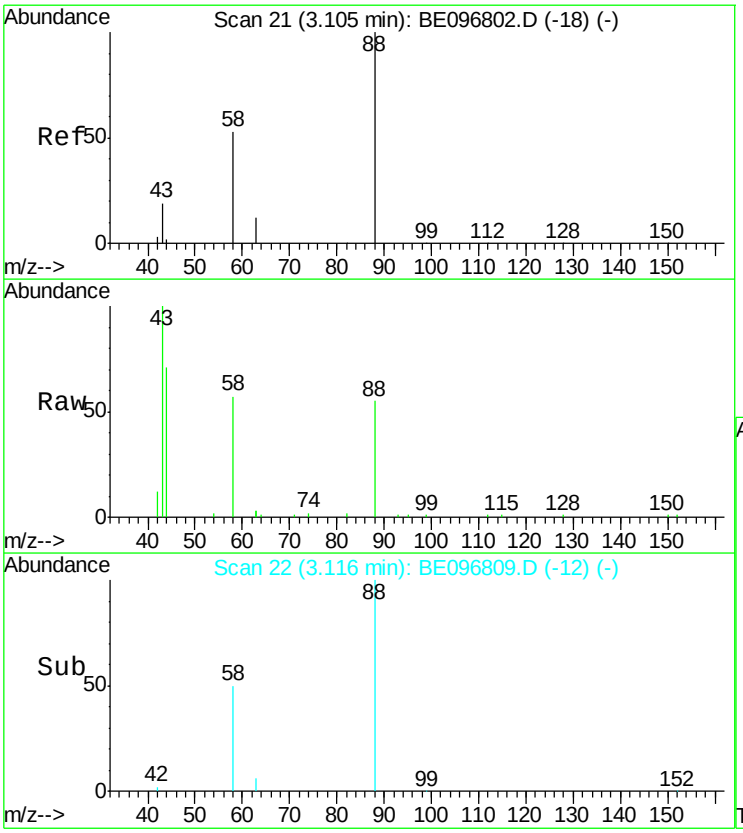

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion:152 Resp: 3994

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 160.5 | 117.2 | 175.8 |
| 115 | 71.5 | 57.0 | 85.6 |

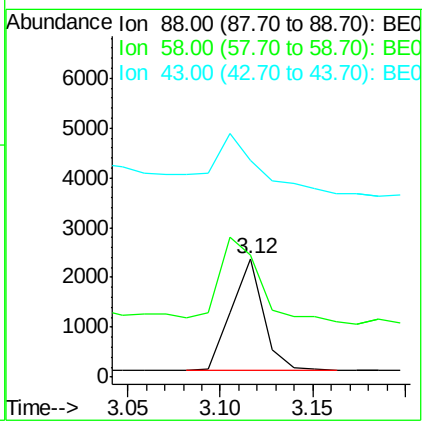


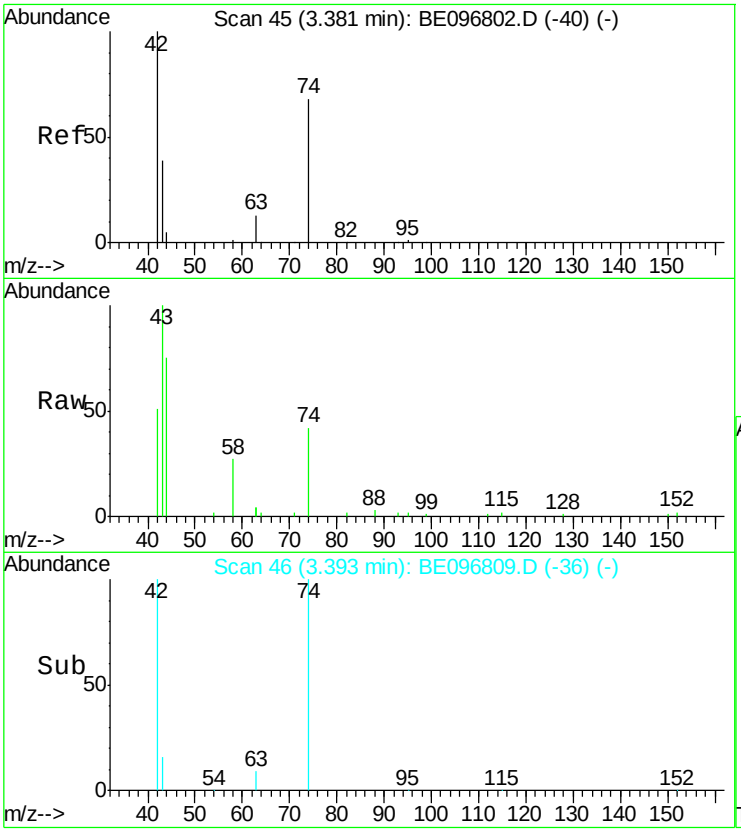




#2
1,4-Dioxane
Concen: 0.423 ng
RT: 3.12 min Scan# 22
Delta R.T. 0.01 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

Tgt Ion: 88 Resp: 2732

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 90.5 | 63.2 | 94.8 |
| 43 | 70.0 | 41.2 | 61.8# |



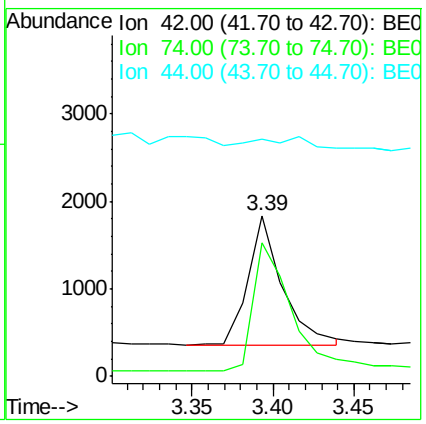


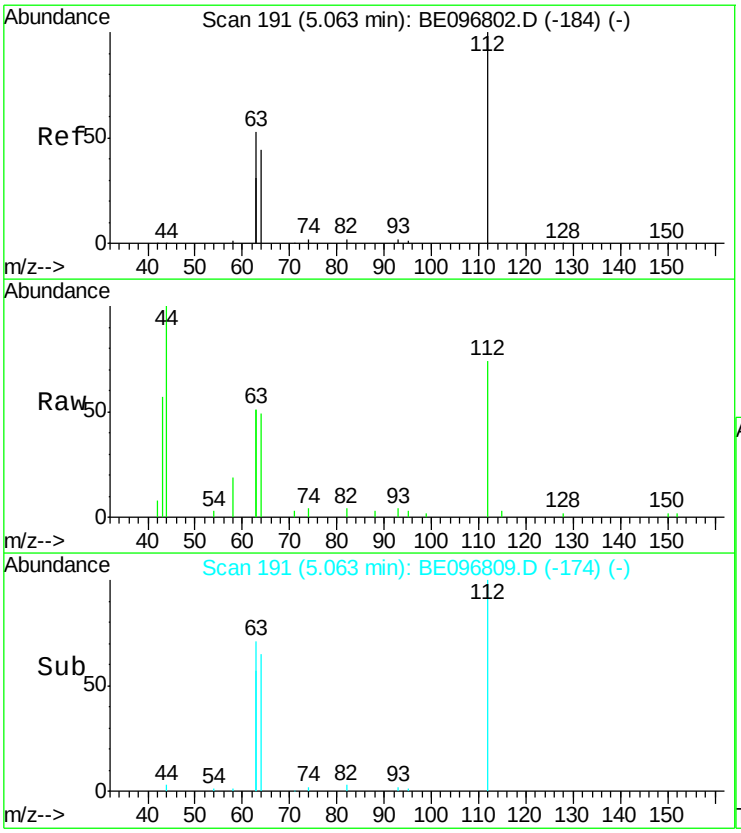

#3
n-Nitrosodimethylamine
Concen: 0.322 ng
RT: 3.39 min Scan# 46
Delta R.T. 0.01 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion: 42 Resp: 2196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 107.1 | 96.0 | 144.0 |
| 44 | 0.0 | 12.0 | 18.0# |

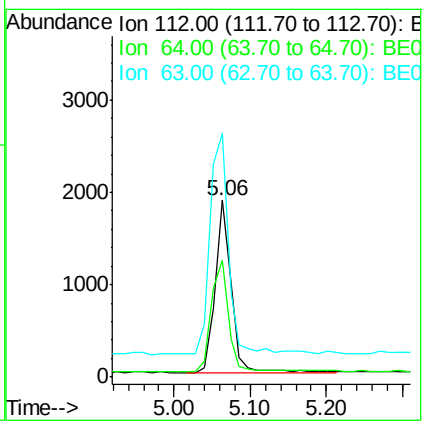


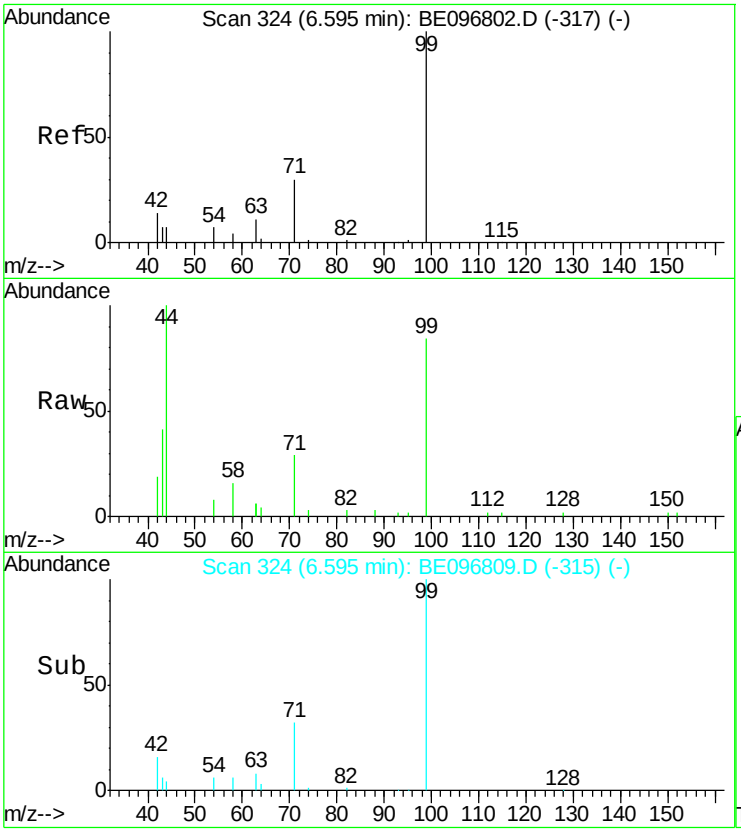




#4
2-Fluorophenol
Concen: 0.309 ng
RT: 5.06 min Scan# 191
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

Tgt Ion:112 Resp: 2697

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 68.9 | 60.1 | 90.1 |
| 63 | 150.1 | 116.8 | 175.2 |



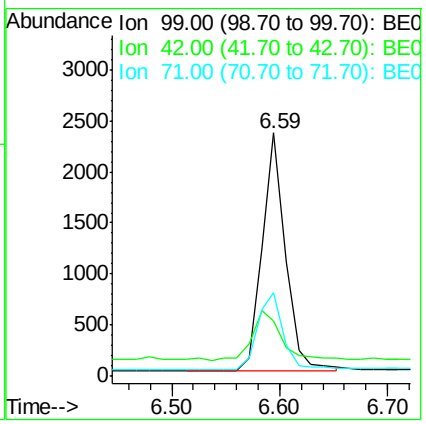


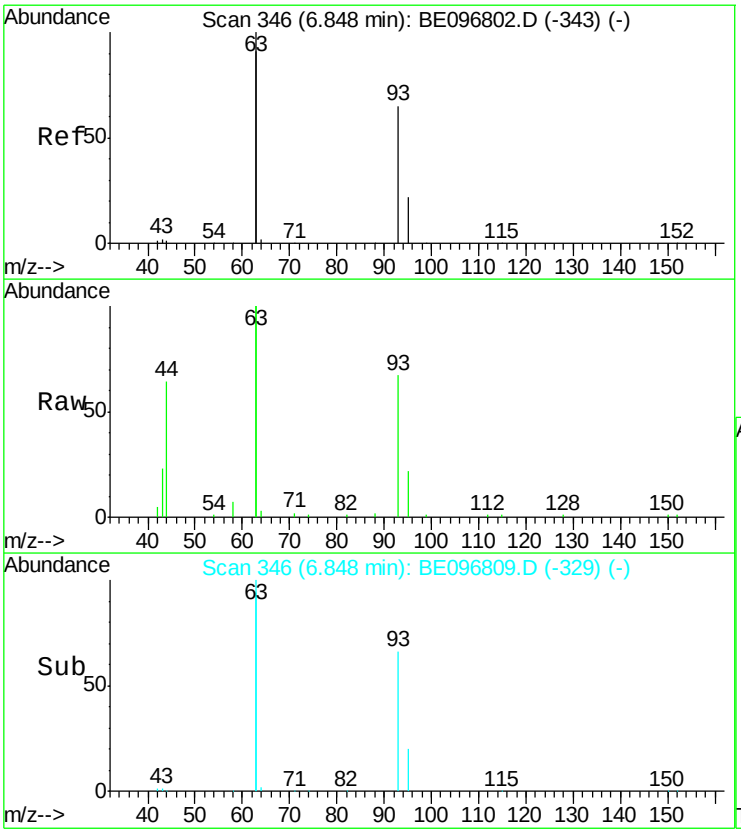

#5
Phenol-d6
Concen: 0.271 ng
RT: 6.59 min Scan# 324
Delta R.T. -0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion: 99 Resp: 3542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 25.6 | 20.2 | 30.2 |
| 71 | 35.1 | 28.4 | 42.6 |

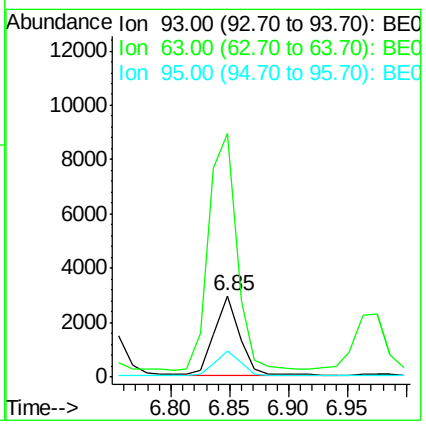


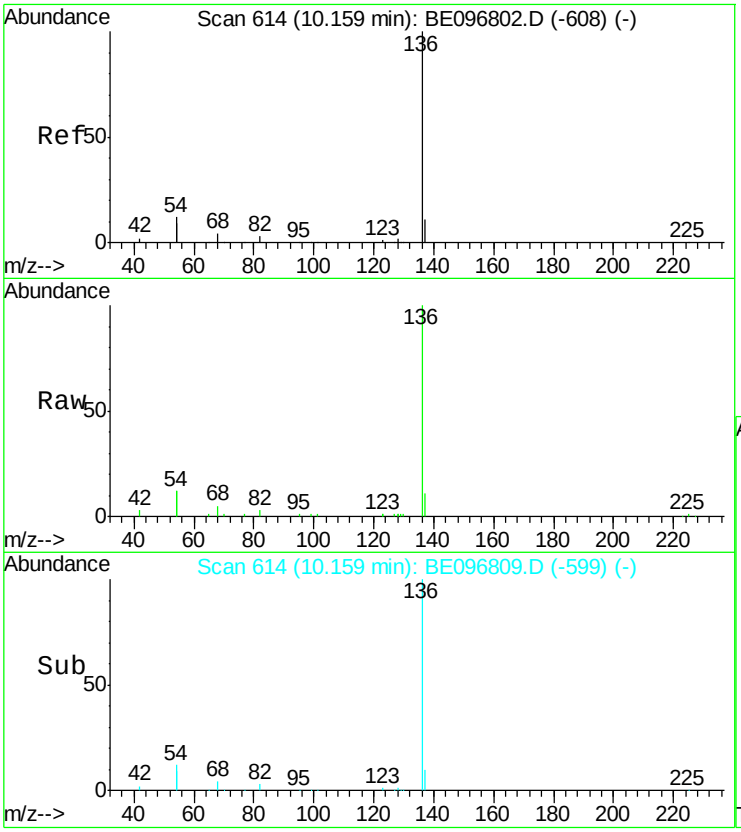




#6
bis(2-Chloroethyl)ether
Concen: 0.278 ng
RT: 6.85 min Scan# 346
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

Tgt Ion: 93 Resp: 4286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 334.1 | 275.3 | 412.9 |
| 95 | 32.3 | 25.2 | 37.8 |



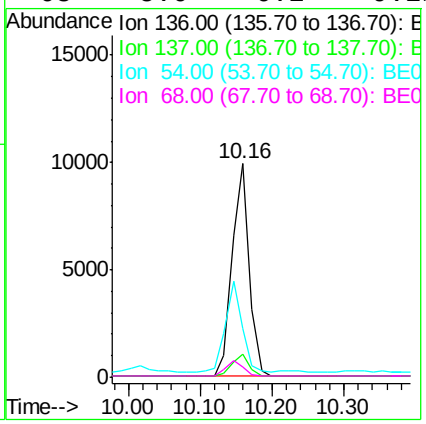


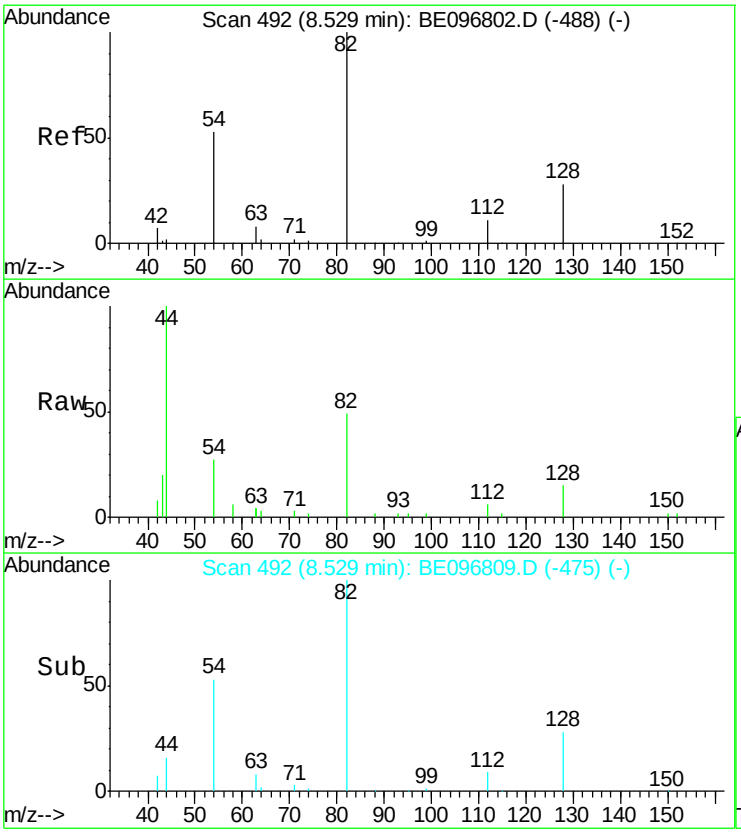

#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.16 min Scan# 614
Delta R.T. -0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion:136 Resp: 16340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.5 | 14.3 |
| 54 | 23.0 | 29.1 | 43.7# |
| 68 | 5.0 | 6.2 | 9.2# |

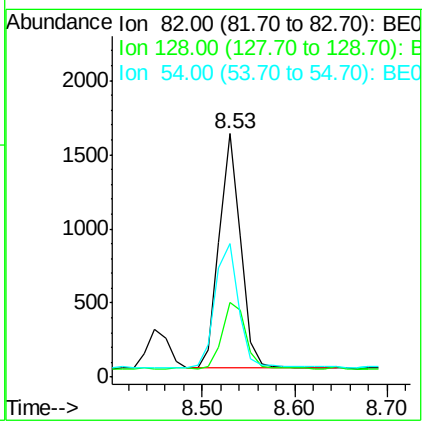


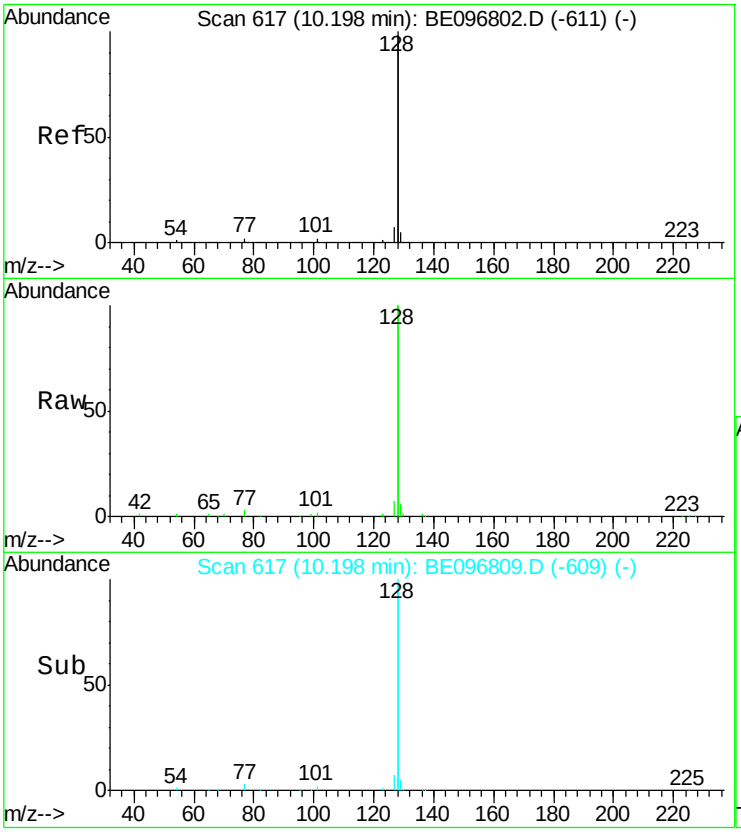




#8
Nitrobenzene-d5
Concen: 0.280 ng
RT: 8.53 min Scan# 492
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

Tgt Ion: 82 Resp: 2543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 30.7 | 24.0 | 36.0 |
| 54 | 54.8 | 40.0 | 60.0 |



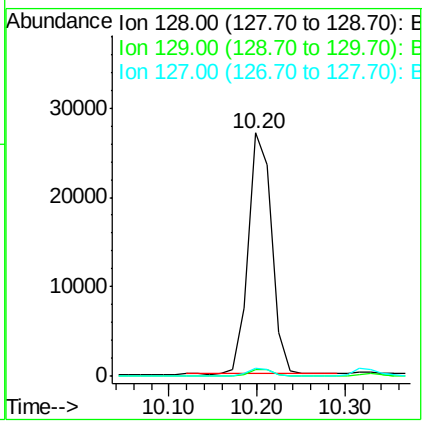


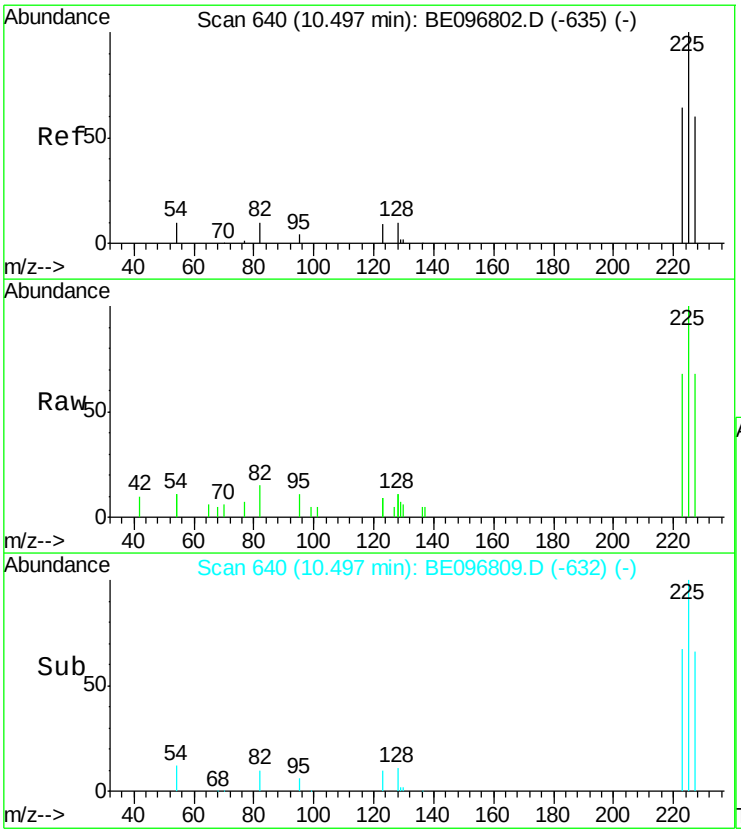

#9
Naphthalene
Concen: 0.307 ng
RT: 10.20 min Scan# 617
Delta R.T. -0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion:128 Resp: 49310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 2.9 | 2.6 | 3.8 |
| 127 | 3.5 | 2.8 | 4.2 |

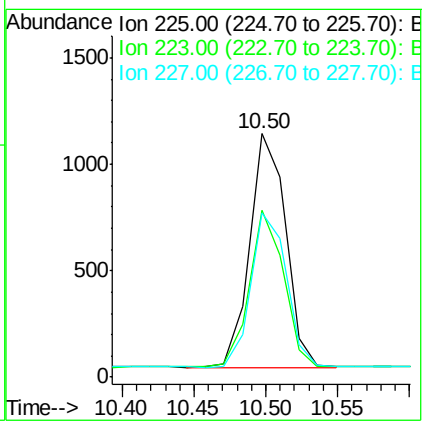


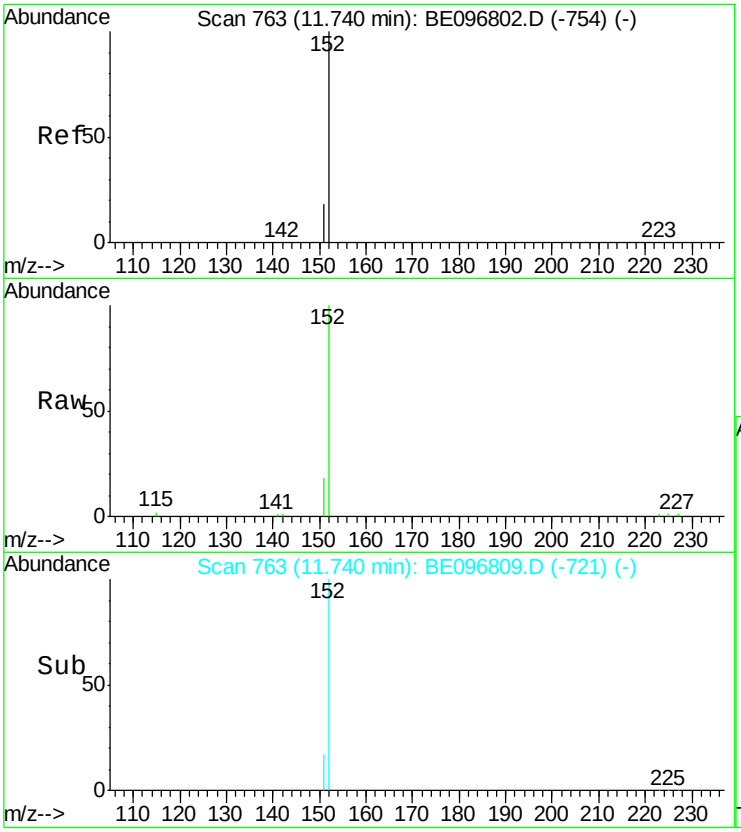




#10
Hexachlorobutadiene
Concen: 0.284 ng
RT: 10.50 min Scan# 640
Delta R.T. -0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

Tgt Ion:225 Resp: 1904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 63.5 | 53.0 | 79.6 |
| 227 | 65.7 | 51.4 | 77.2 |



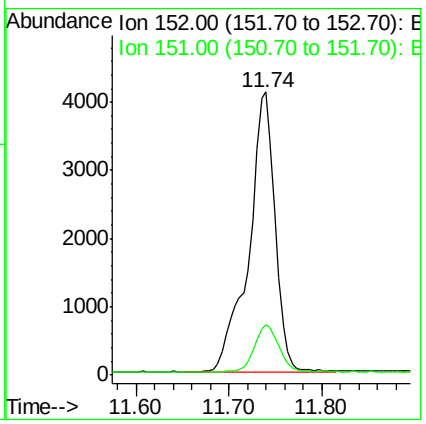


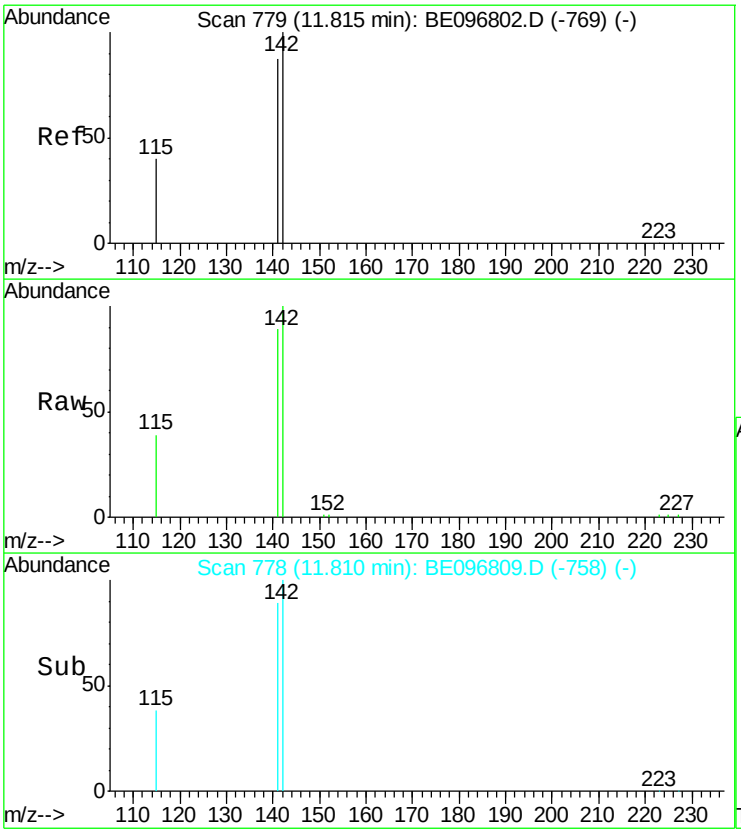

#11
2-Methylnaphthalene-d10
Concen: 0.311 ng
RT: 11.74 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion:152 Resp: 8116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 15.4 | 15.4 | 23.0 |

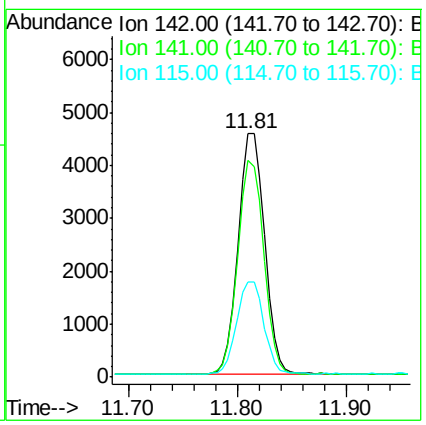


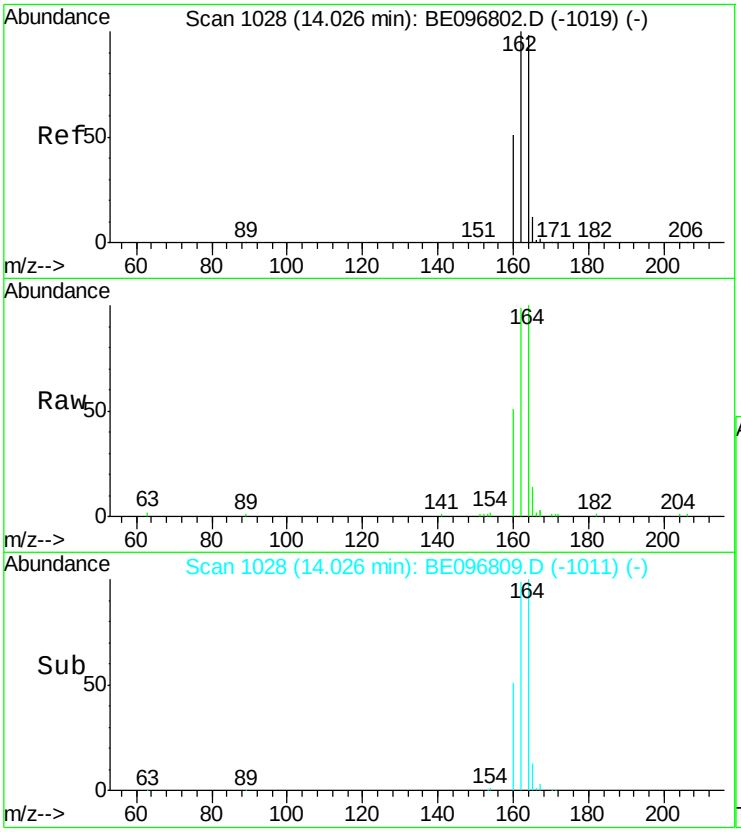




#12
2-Methylnaphthalene
Concen: 0.275 ng
RT: 11.81 min Scan# 778
Delta R.T. -0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

Tgt Ion:142 Resp: 7407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.0 | 70.4 | 105.6 |
| 115 | 39.2 | 31.7 | 47.5 |



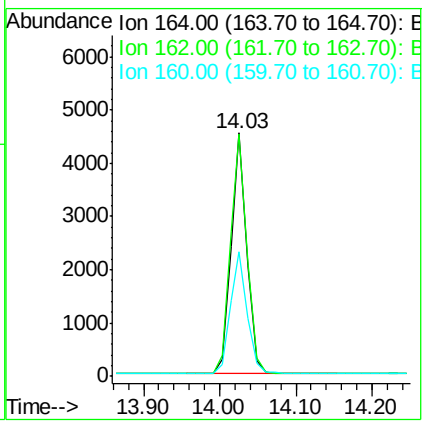


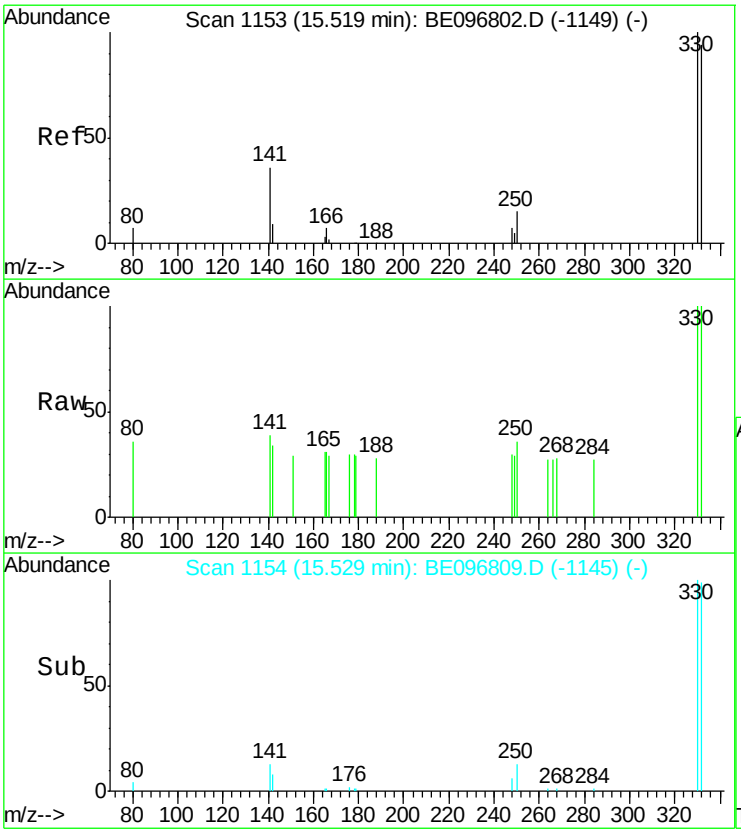

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion:164 Resp: 6594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.3 | 83.1 | 124.7 |
| 160 | 51.4 | 37.1 | 55.7 |

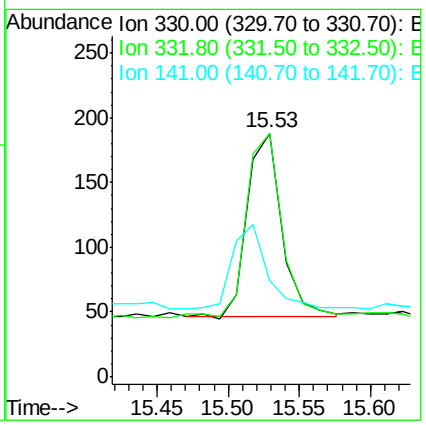


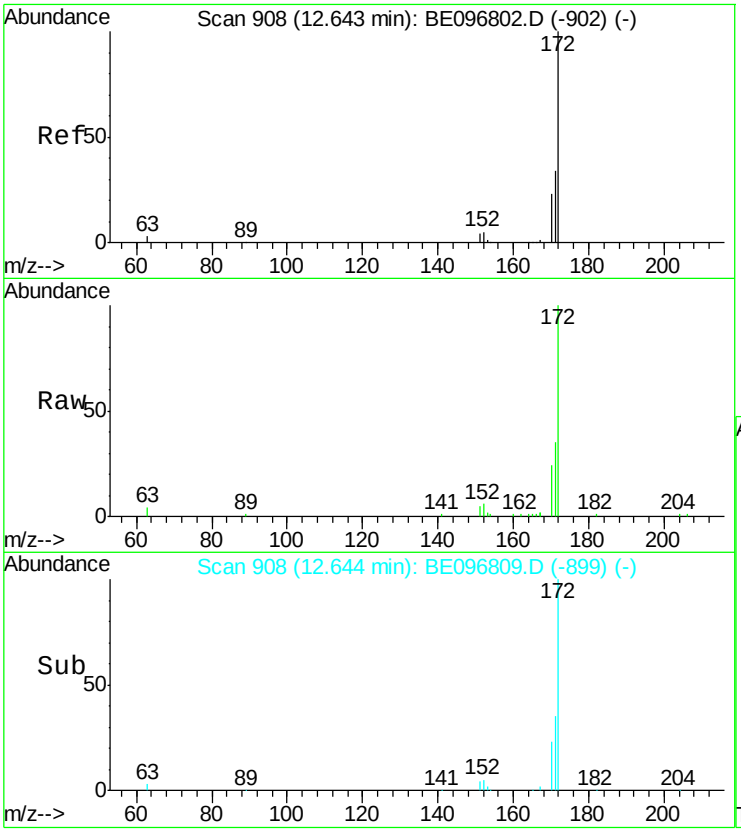




#14
2,4,6-Tribromophenol
Concen: 0.218 ng
RT: 15.53 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

Tgt Ion:330 Resp: 238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 105.9 | 152.7 | 229.1# |
| 141 | 47.1 | 33.7 | 50.5 |



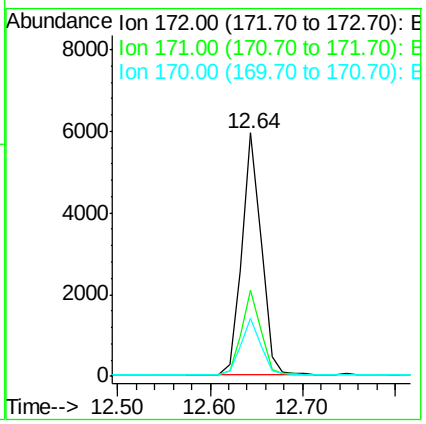


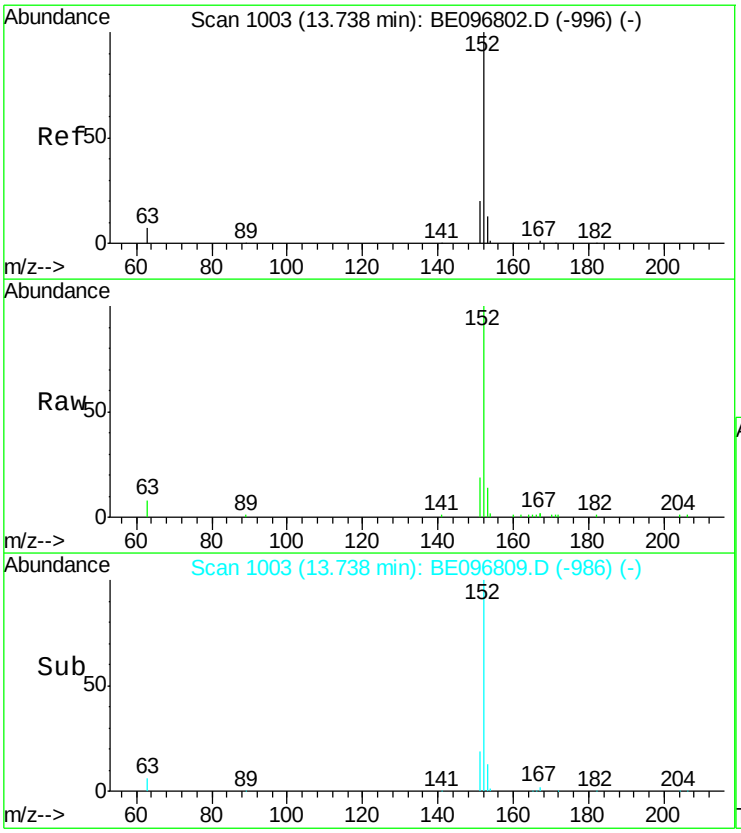

#15
2-Fluorobiphenyl
Concen: 0.314 ng
RT: 12.64 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion:172 Resp: 8510

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 29.9 | 44.9 |
| 170 | 23.8 | 21.8 | 32.8 |

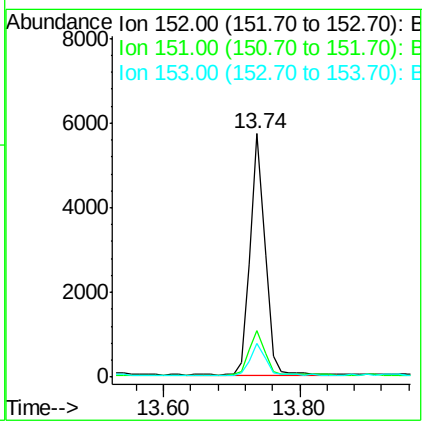


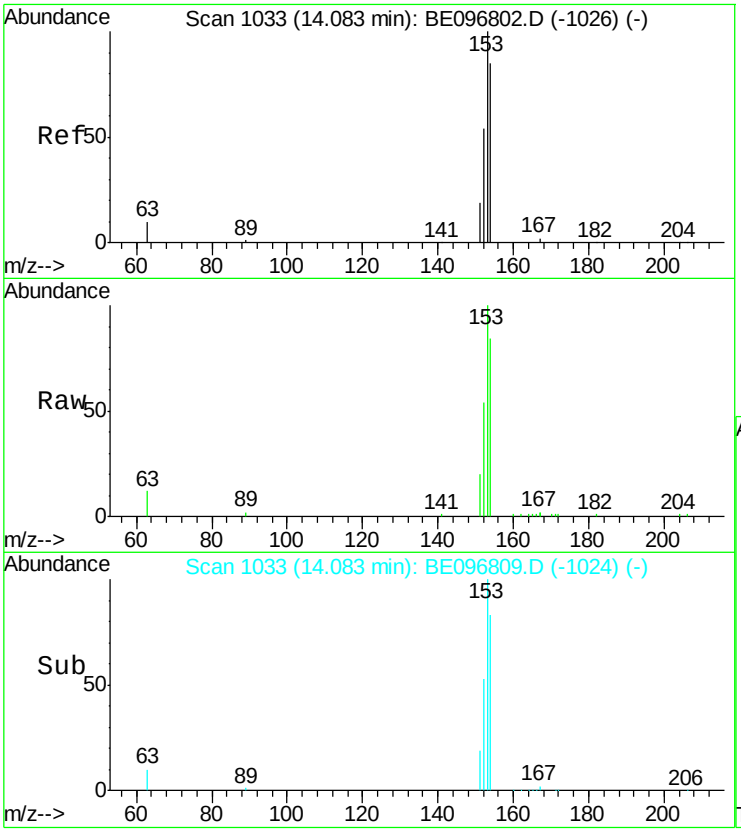




#16
Acenaphthylene
Concen: 0.272 ng
RT: 13.74 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

Tgt Ion:152 Resp: 8457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.5 | 15.7 | 23.5 |
| 153 | 13.0 | 10.5 | 15.7 |



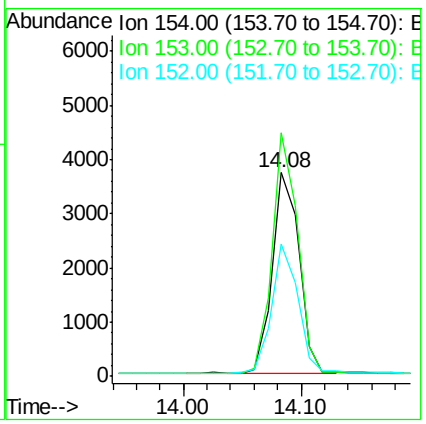


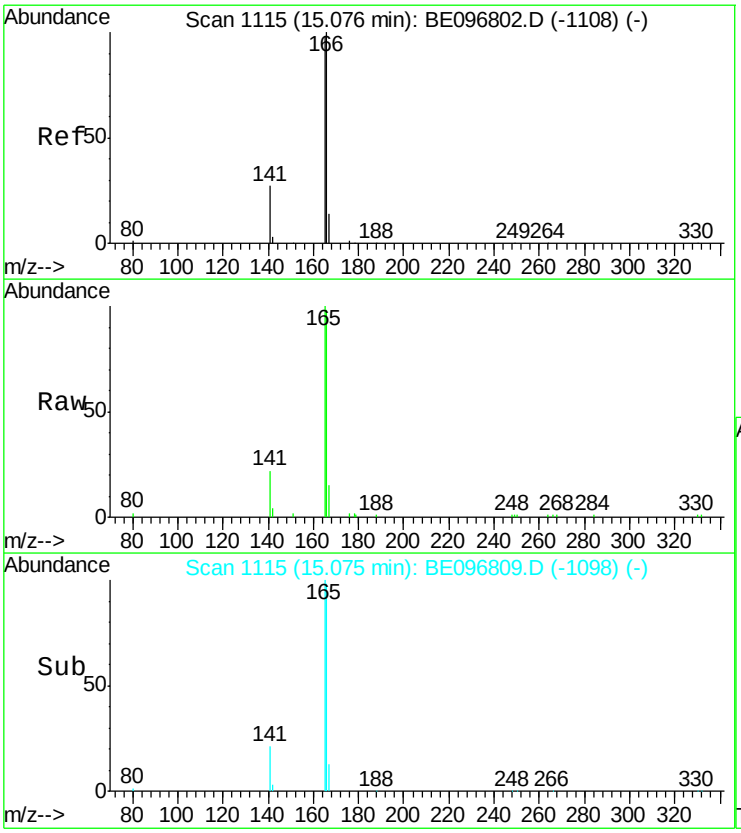

#17
Acenaphthene
Concen: 0.280 ng
RT: 14.08 min Scan# 1033
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion:154 Resp: 5857

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.0 | 89.2 | 133.8 |
| 152 | 63.2 | 42.0 | 63.0# |

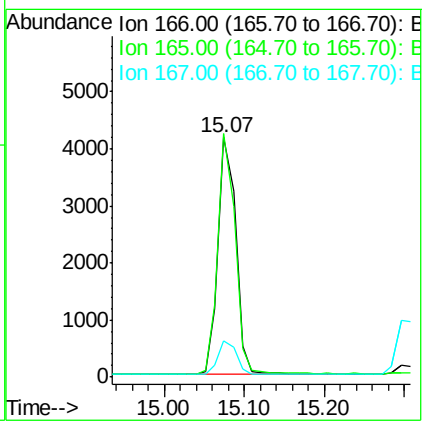


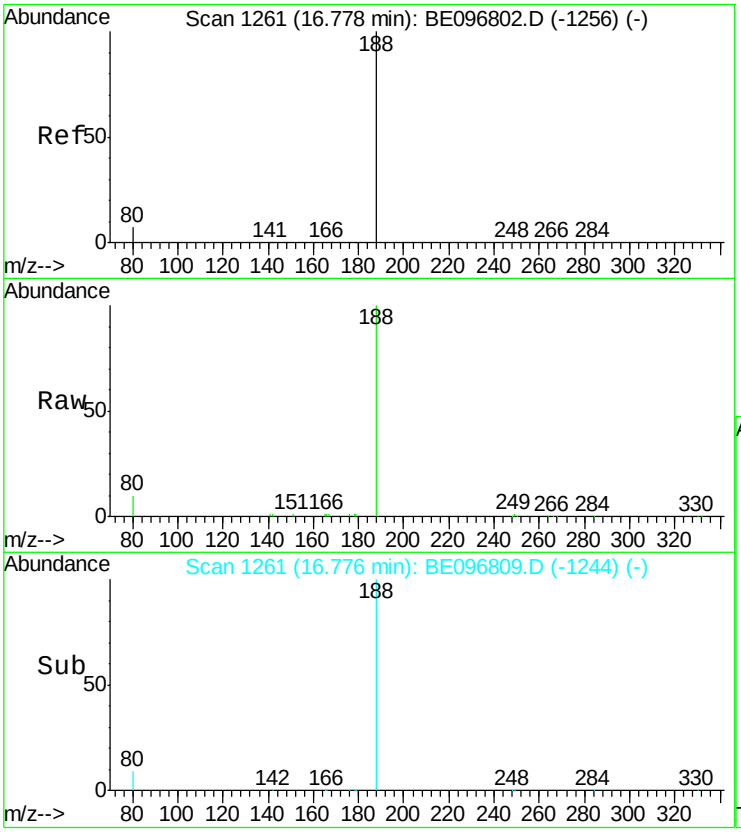




#18
Fluorene
Concen: 0.260 ng
RT: 15.07 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

Tgt Ion:166 Resp: 6439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.6 | 77.8 | 116.6 |
| 167 | 14.5 | 42.4 | 63.6# |



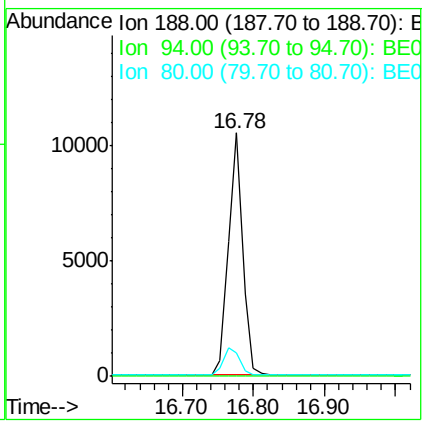


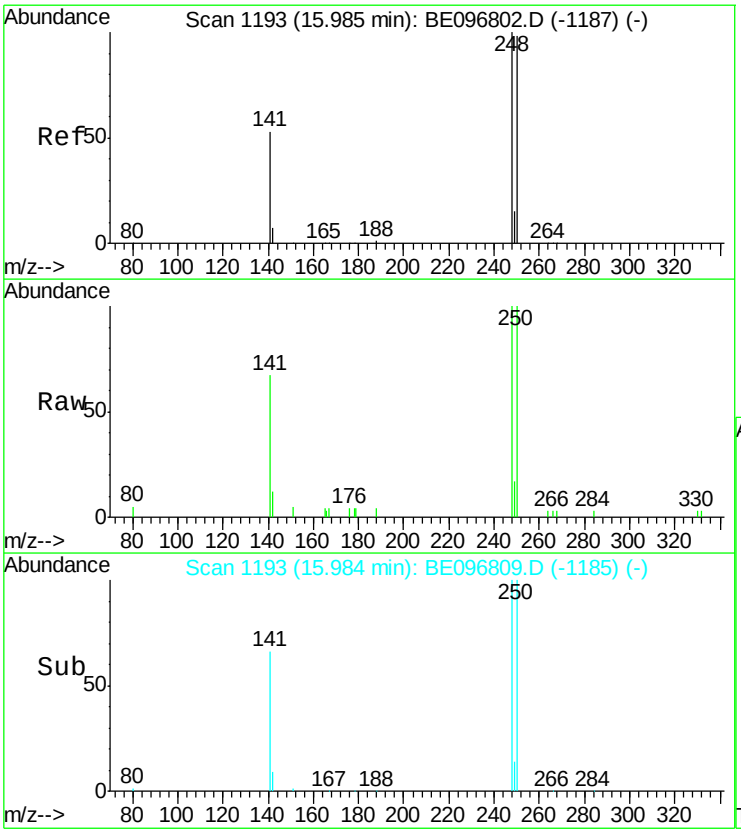

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion:188 Resp: 14722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 3.9 | 5.9# |
| 80 | 9.5 | 3.6 | 5.4# |

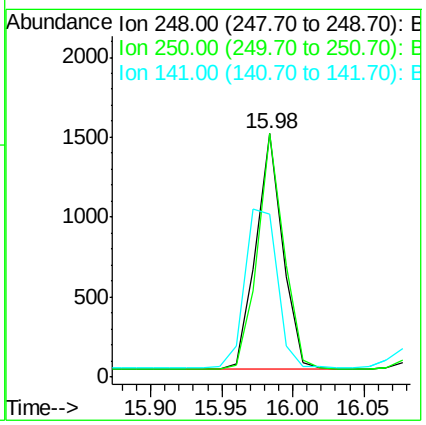


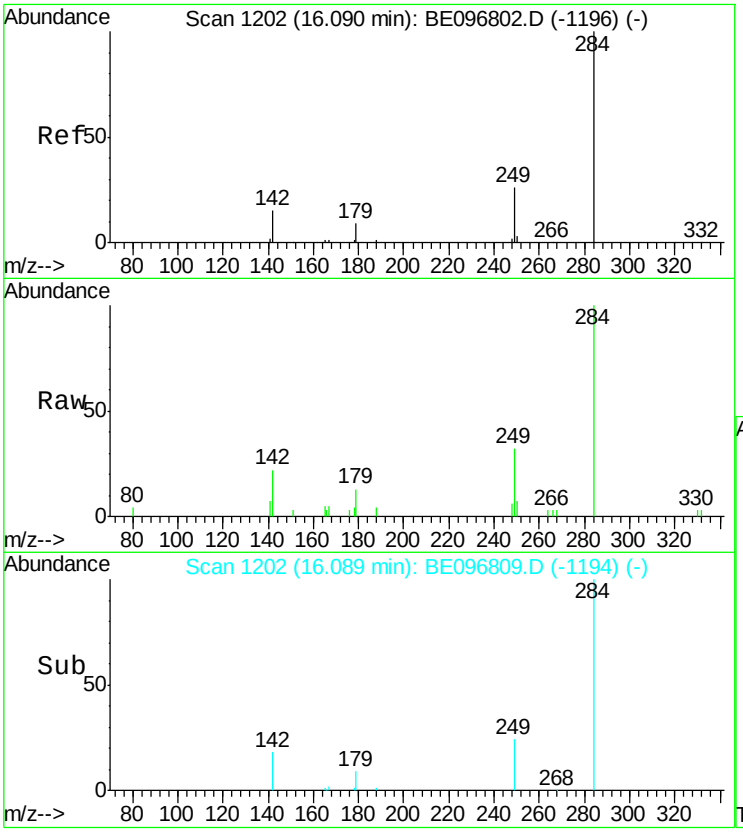




#20
4-Bromophenyl-phenylether
Concen: 0.271 ng
RT: 15.98 min Scan# 1193
Delta R.T. -0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

Tgt Ion:248 Resp: 1945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.9 | 62.7 | 94.1# |
| 141 | 67.2 | 48.2 | 72.2 |



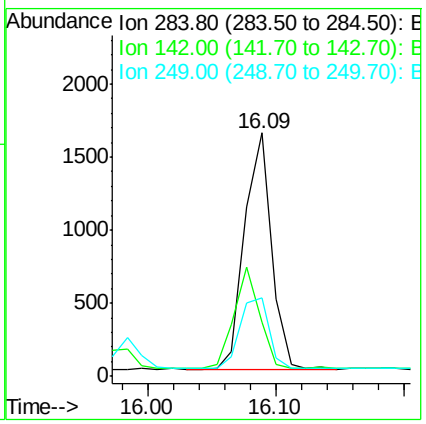


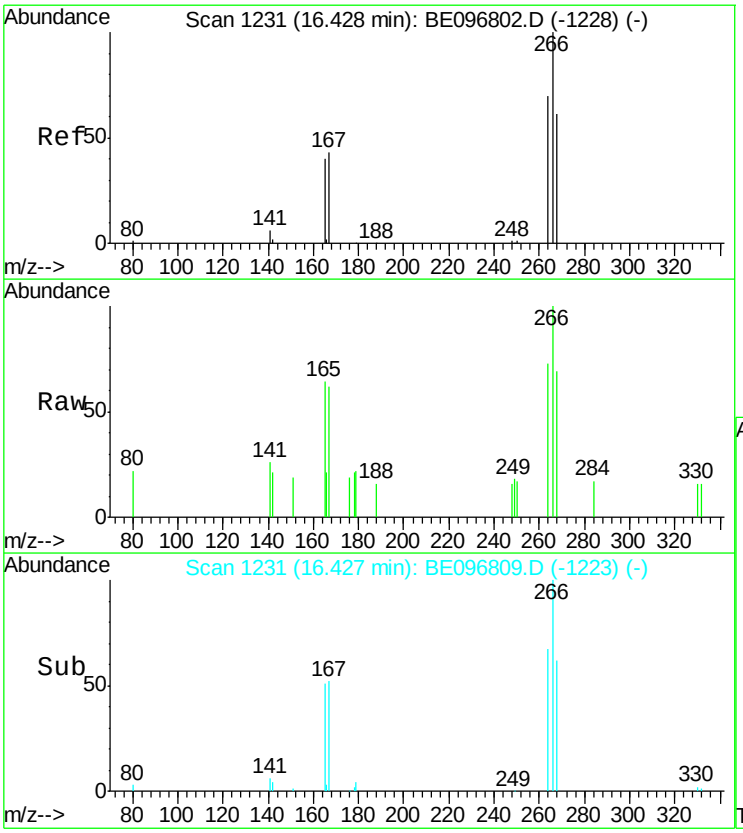

#21
Hexachlorobenzene
Concen: 0.282 ng
RT: 16.09 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion:284 Resp: 2376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 40.2 | 22.1 | 33.1# |
| 249 | 32.6 | 34.8 | 52.2# |

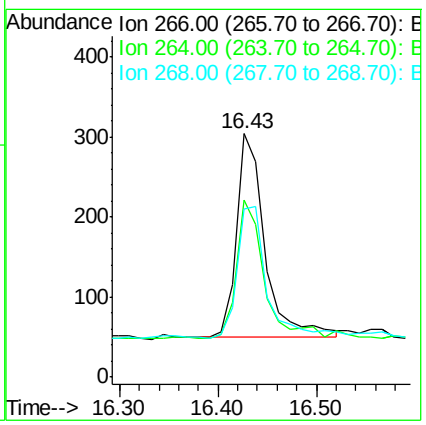


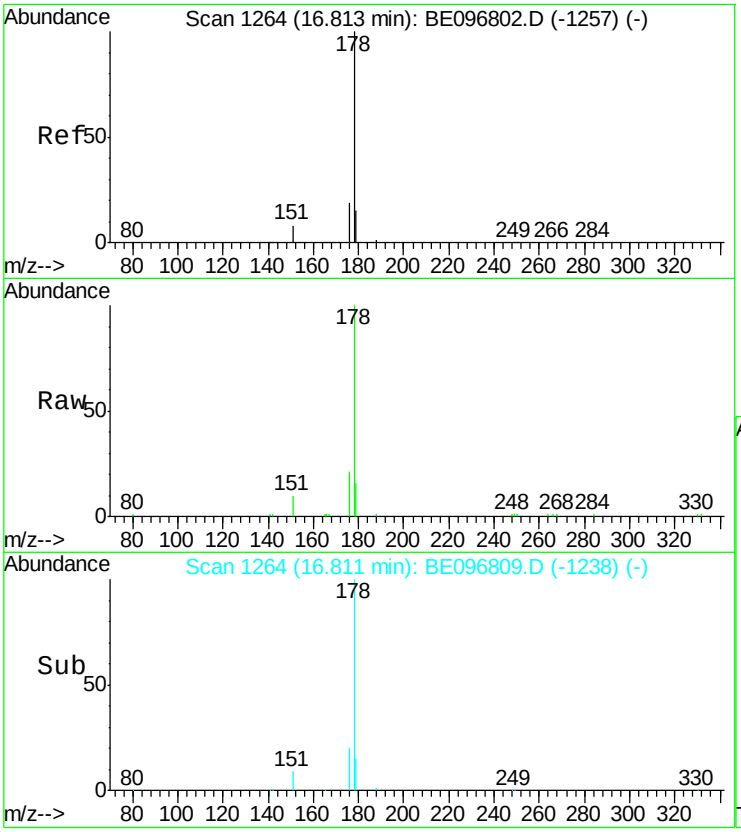




#22
Pentachlorophenol
Concen: 0.382 ng
RT: 16.43 min Scan# 1231
Delta R.T. -0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

Tgt Ion:266 Resp: 507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 72.7 | 72.5 | 108.7 |
| 268 | 69.1 | 73.8 | 110.6# |



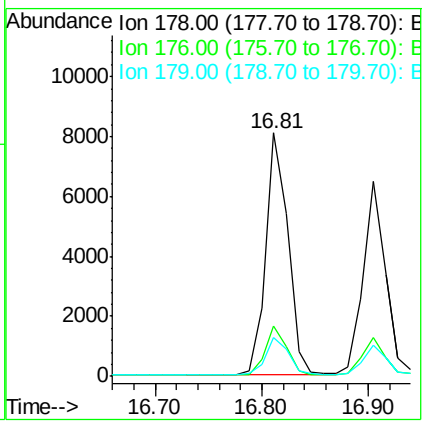


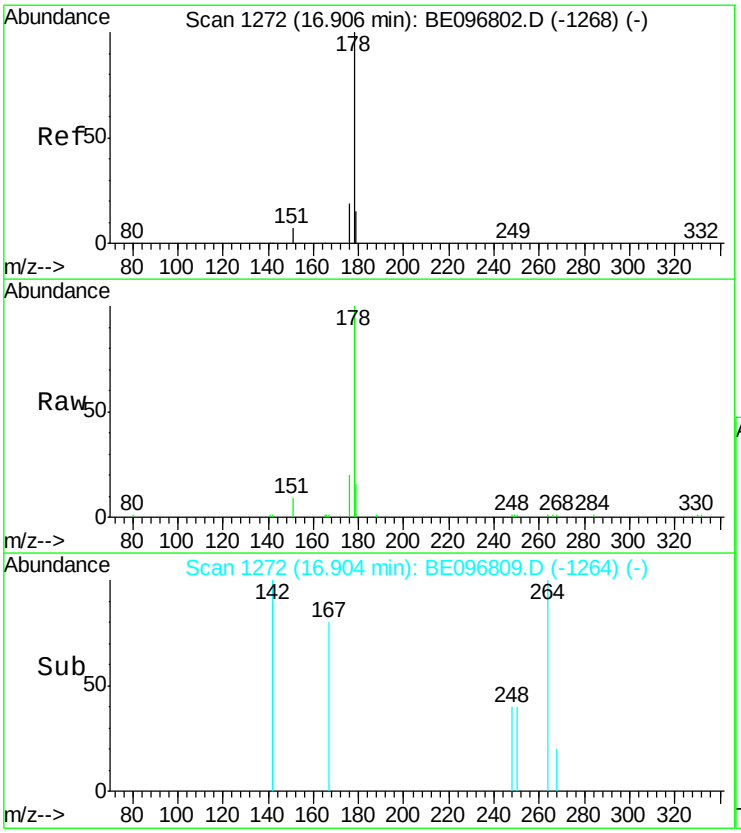

#23
Phenanthrene
Concen: 0.291 ng
RT: 16.81 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion:178 Resp: 11658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.1 | 22.7 |
| 179 | 15.5 | 11.8 | 17.6 |

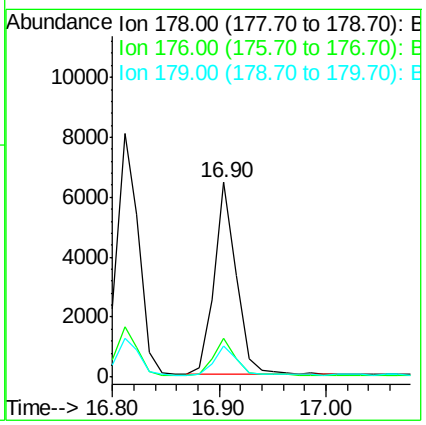


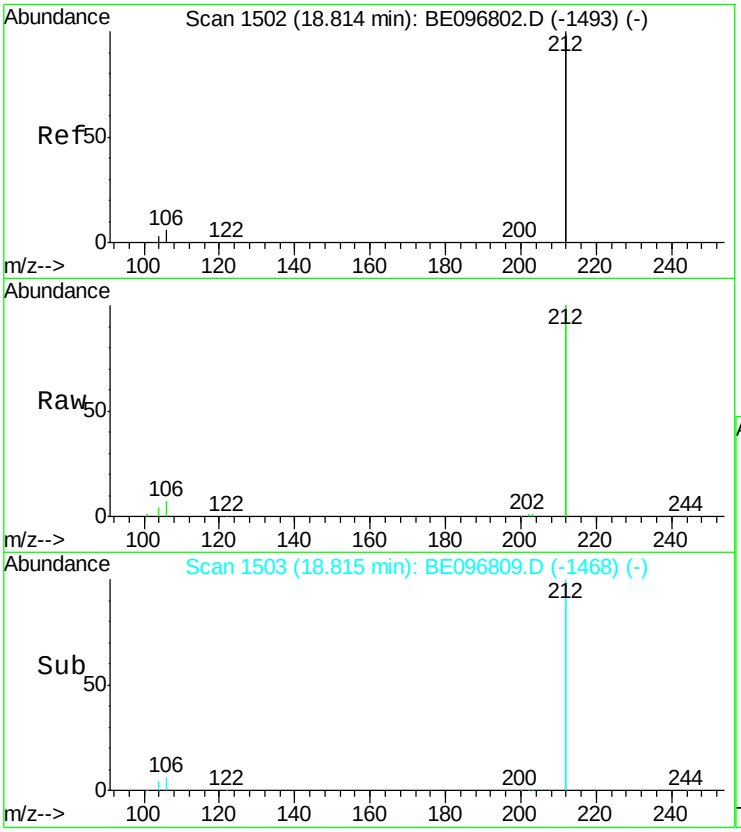




#24
Anthracene
Concen: 0.284 ng
RT: 16.90 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

Tgt Ion:178 Resp: 9315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.1 | 12.8 | 19.2 |
| 179 | 15.0 | 13.0 | 19.6 |



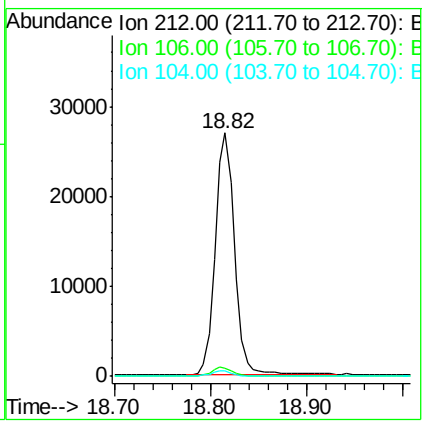


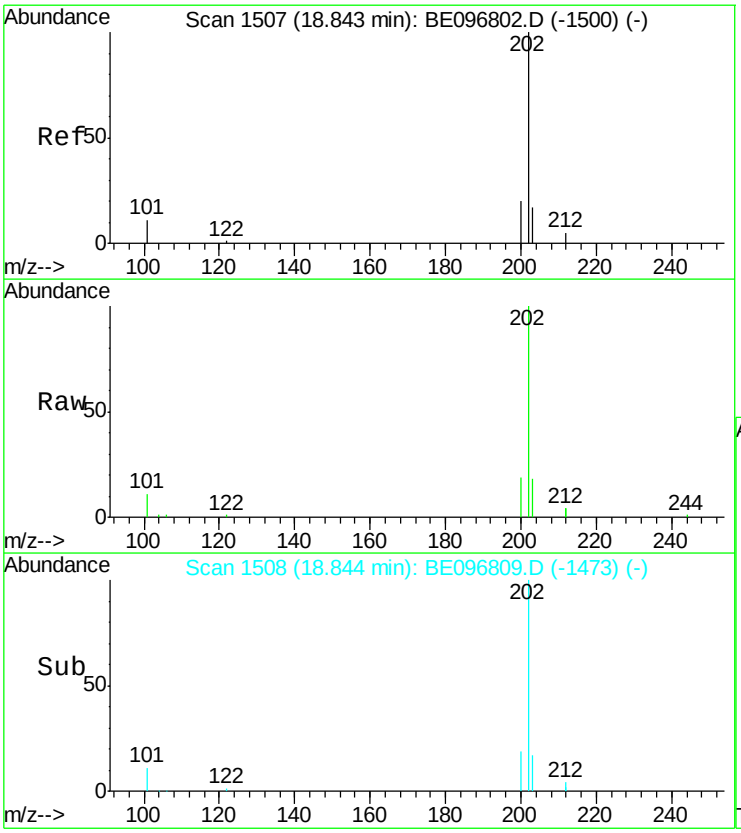

#25
Fluoranthene-d10
Concen: 0.262 ng
RT: 18.82 min Scan# 1503
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion:212 Resp: 37693

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 3.5 | 2.8 | 4.2 |
| 104 | 2.0 | 1.6 | 2.4 |

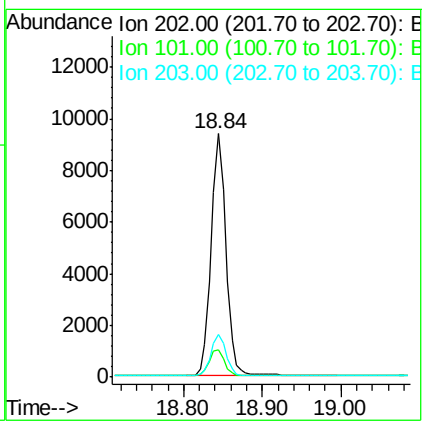


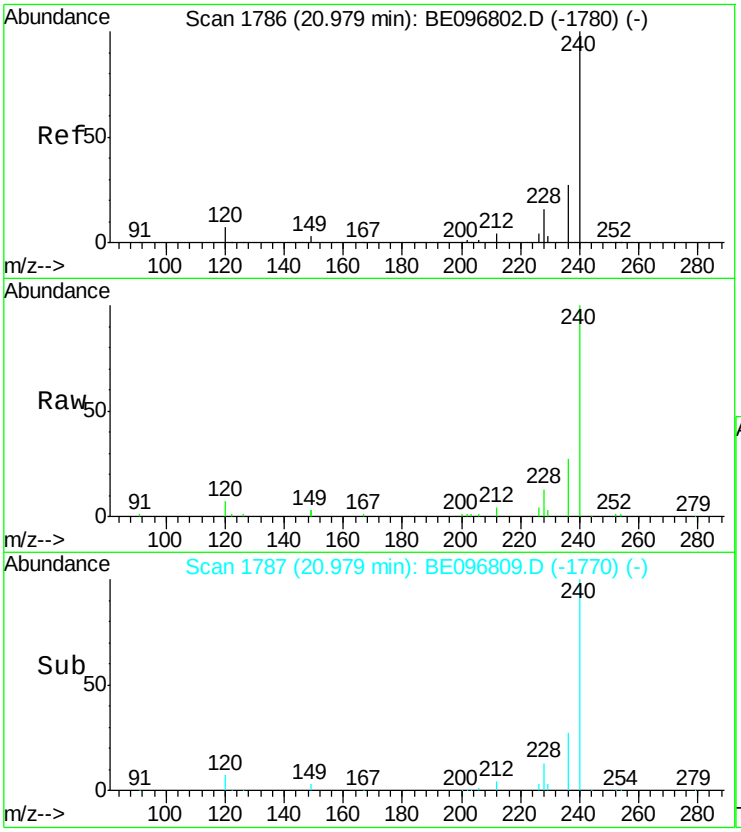




#26
Fluoranthene
Concen: 0.285 ng
RT: 18.84 min Scan# 1508
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

Tgt Ion:202 Resp: 12055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.4 | 9.8 | 14.8 |
| 203 | 17.1 | 13.7 | 20.5 |



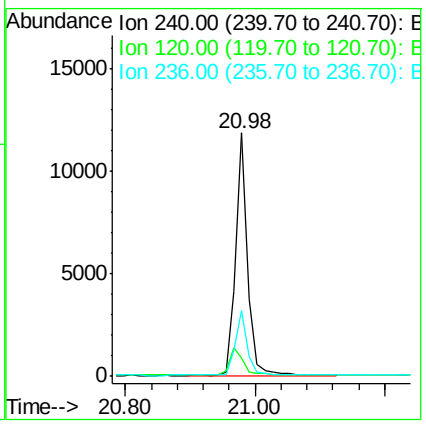


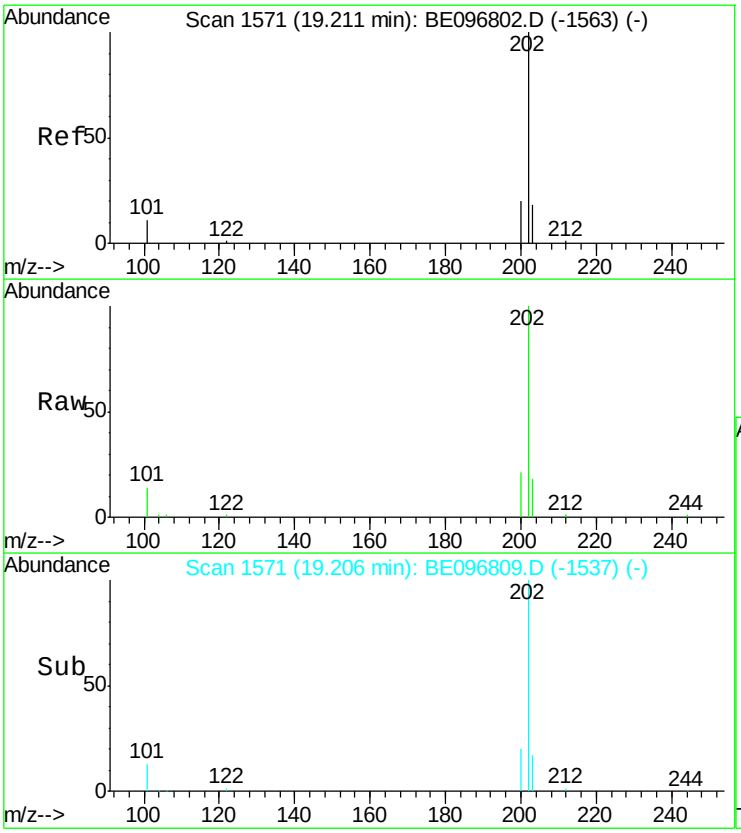

#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion:240 Resp: 15264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 7.3 | 5.5 | 8.3 |
| 236 | 27.2 | 20.7 | 31.1 |

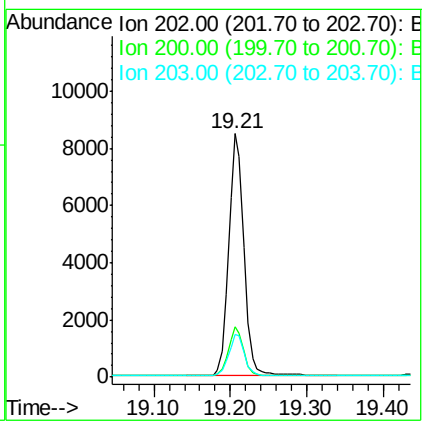


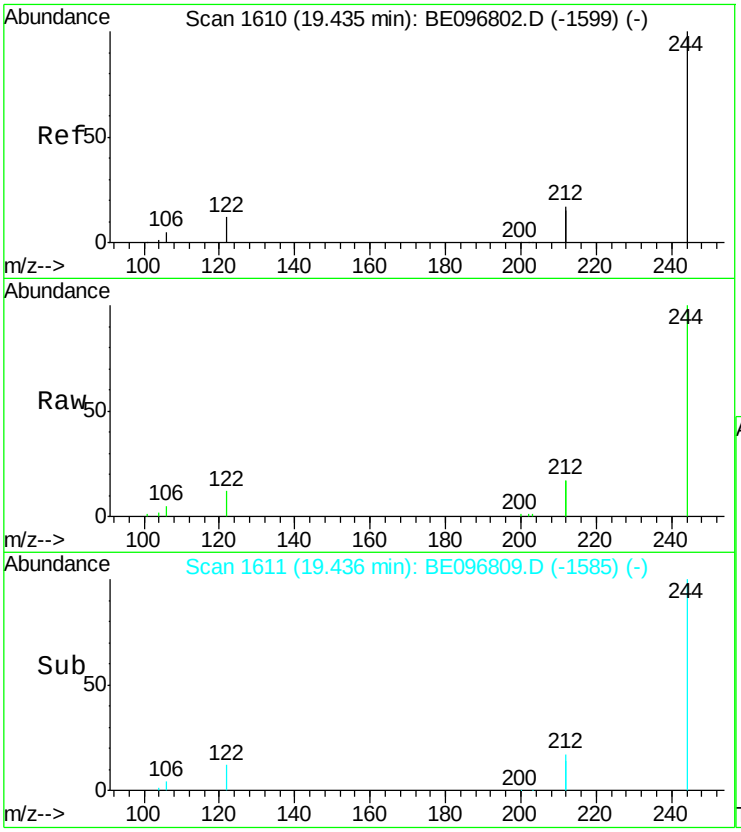




#28
Pyrene
Concen: 0.235 ng
RT: 19.21 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

Tgt Ion:202 Resp: 11808

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.0 | 16.6 | 25.0 |
| 203 | 17.5 | 13.8 | 20.8 |



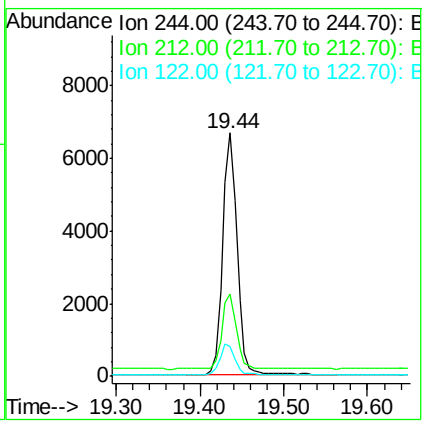


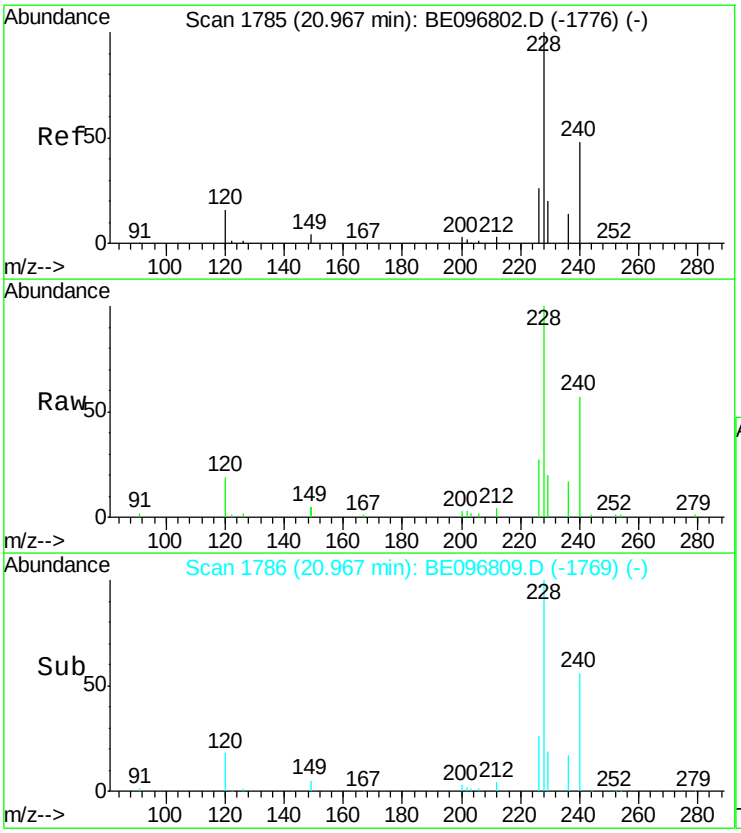

#29
Terphenyl-d14
Concen: 0.229 ng
RT: 19.44 min Scan# 1611
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion:244 Resp: 7922

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 33.6 | 25.4 | 38.0 |
| 122 | 12.2 | 8.1 | 12.1# |

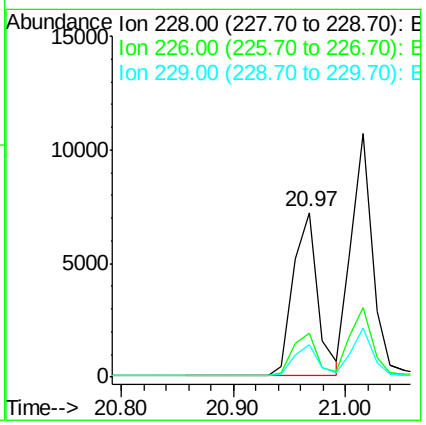


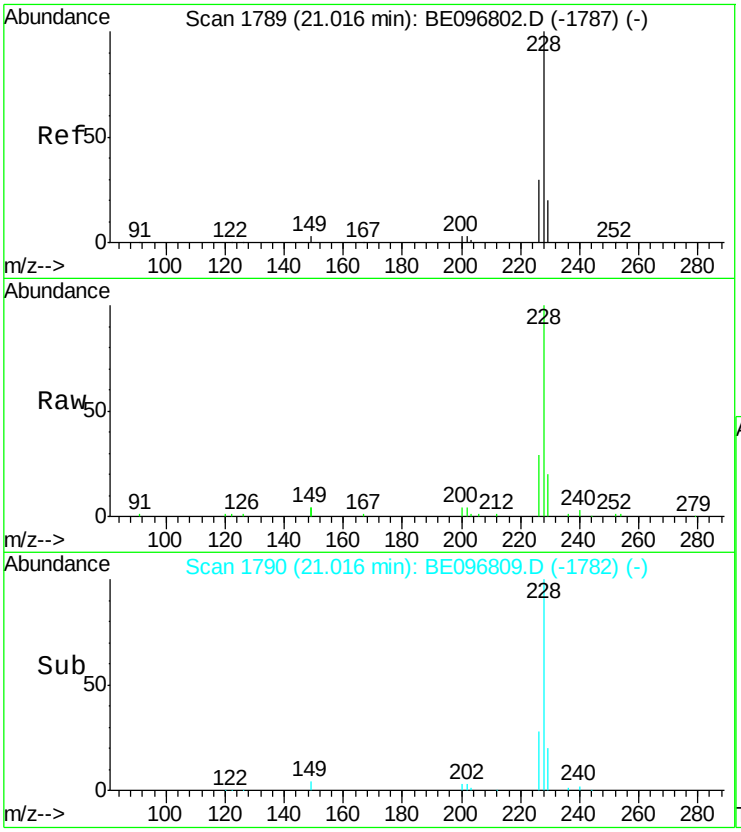




#30
Benzo(a)anthracene
Concen: 0.294 ng
RT: 20.97 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

Tgt Ion:228 Resp: 10870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.0 | 24.0 | 36.0 |
| 229 | 19.7 | 16.0 | 24.0 |



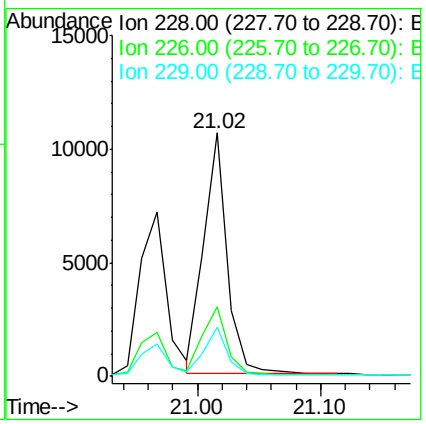


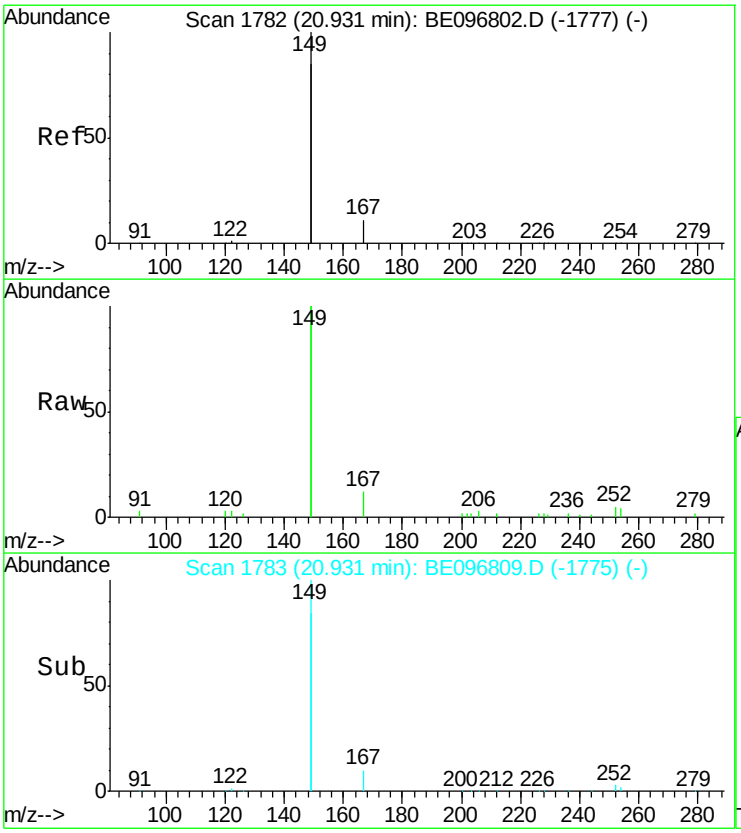

#31
Chrysene
Concen: 0.301 ng
RT: 21.02 min Scan# 1790
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion:228 Resp: 14046

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.7 | 24.0 | 36.0 |
| 229 | 20.3 | 16.0 | 24.0 |

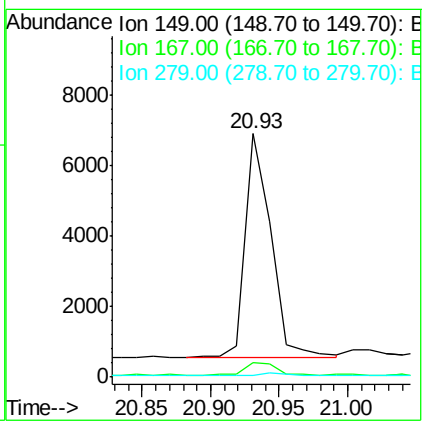


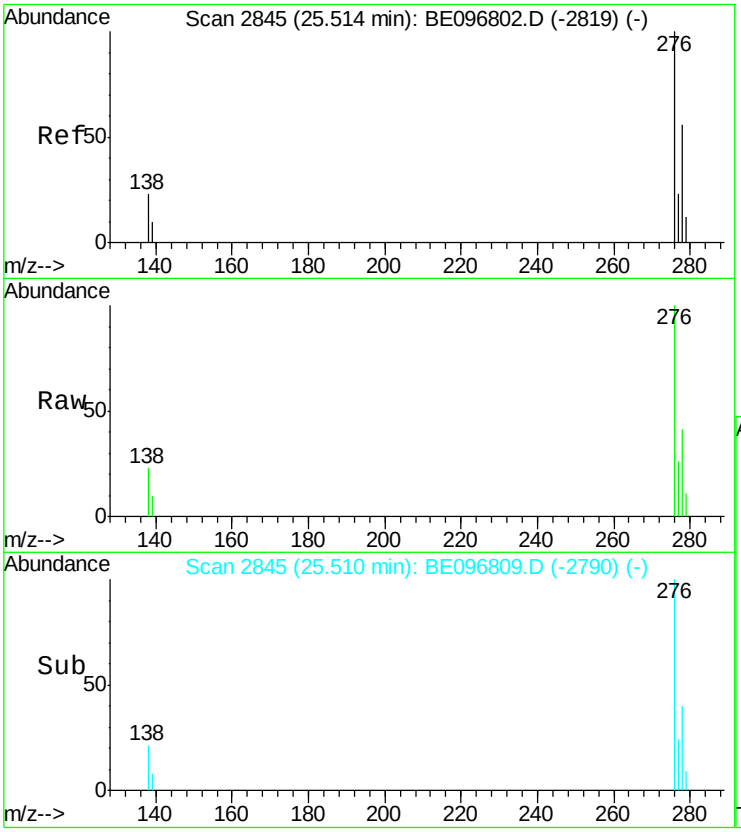




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.295 ng
RT: 20.93 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

Tgt Ion:149 Resp: 8197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 6.3 | 5.4 | 8.0 |
| 279 | 1.1 | 0.7 | 1.1# |



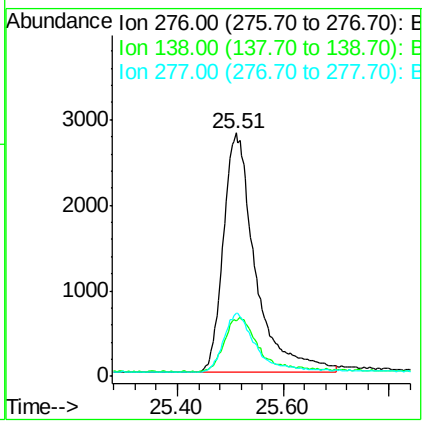


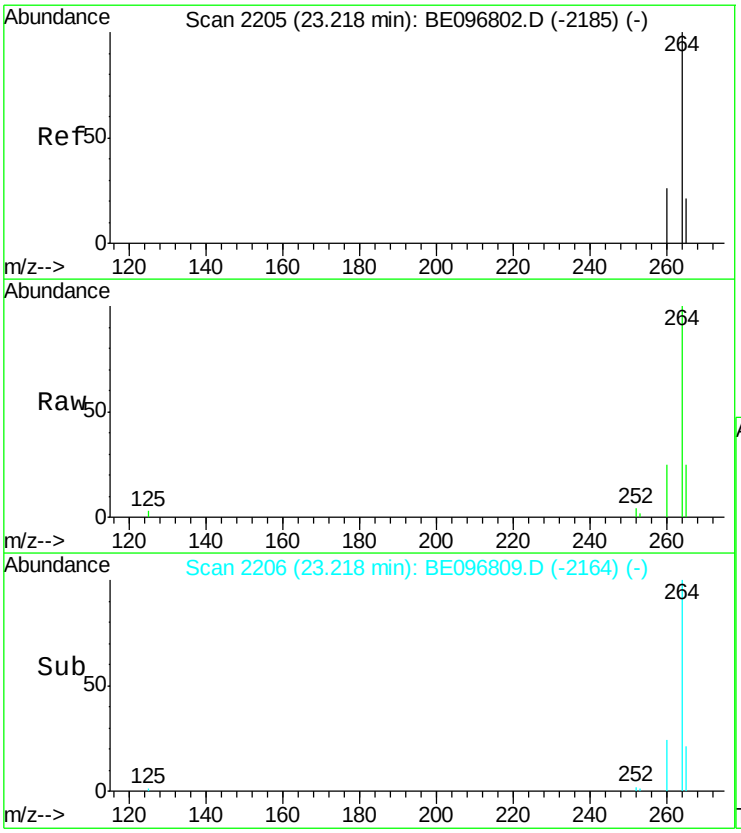

#33
Indeno(1,2,3-cd)pyrene
Concen: 0.336 ng
RT: 25.51 min Scan# 2845
Delta R.T. -0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion:276 Resp: 11769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.0 | 22.5 | 33.7 |
| 277 | 24.3 | 19.9 | 29.9 |

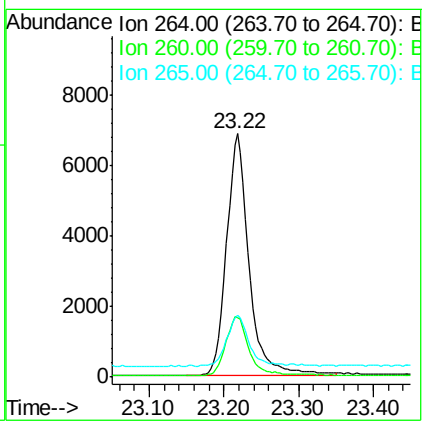


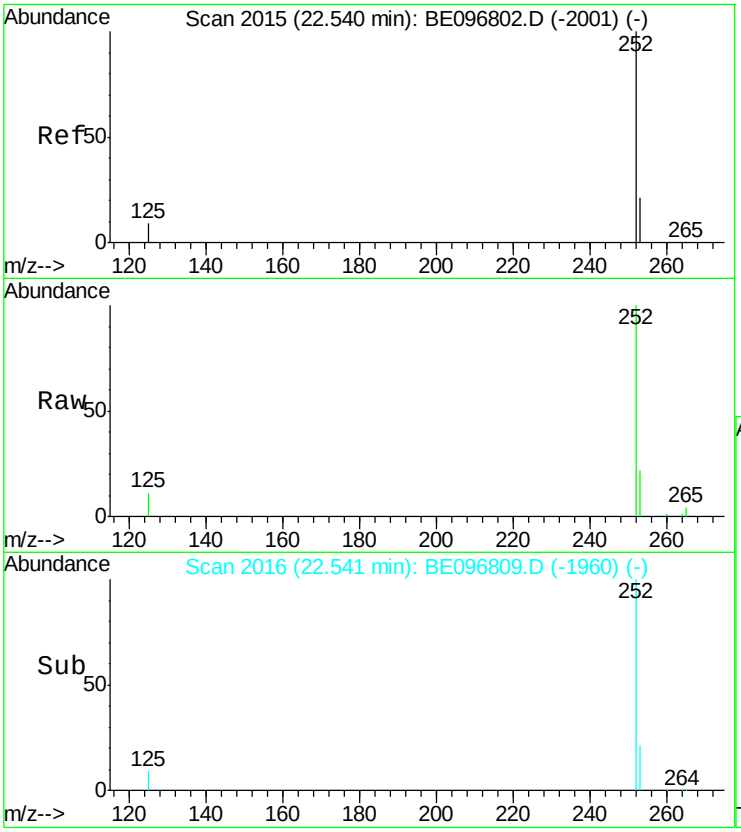




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.22 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

Tgt Ion:264 Resp: 14293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.5 | 20.5 | 30.7 |
| 265 | 25.2 | 22.8 | 34.2 |



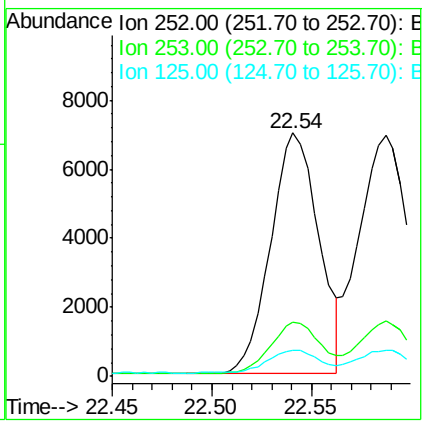


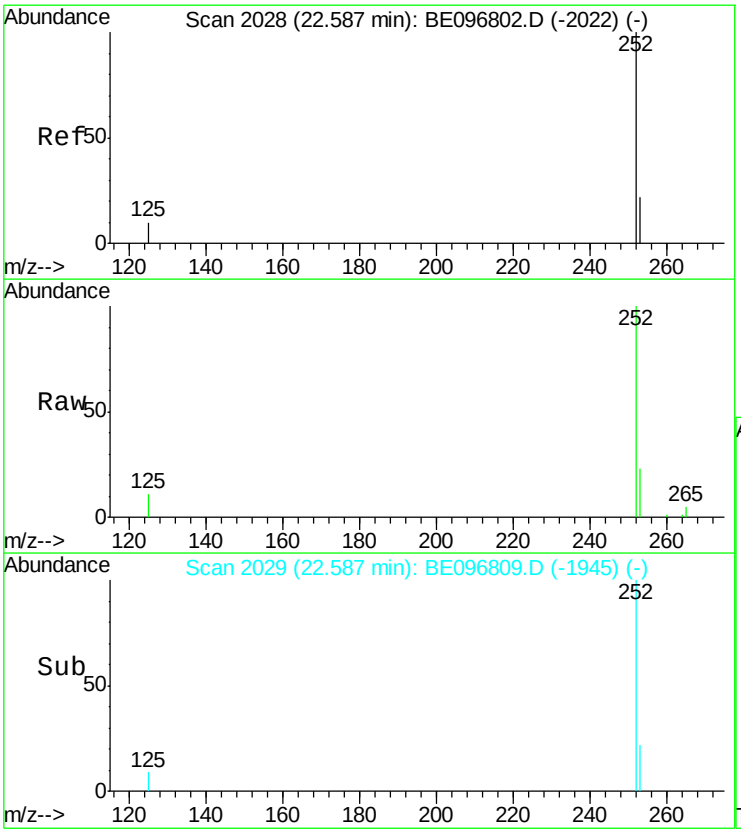

#35
Benzo(b)fluoranthene
Concen: 0.298 ng
RT: 22.54 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion:252 Resp: 11723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 20.0 | 30.0 |
| 125 | 10.6 | 16.0 | 24.0# |

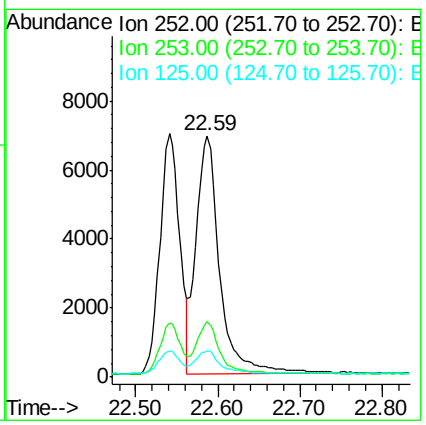


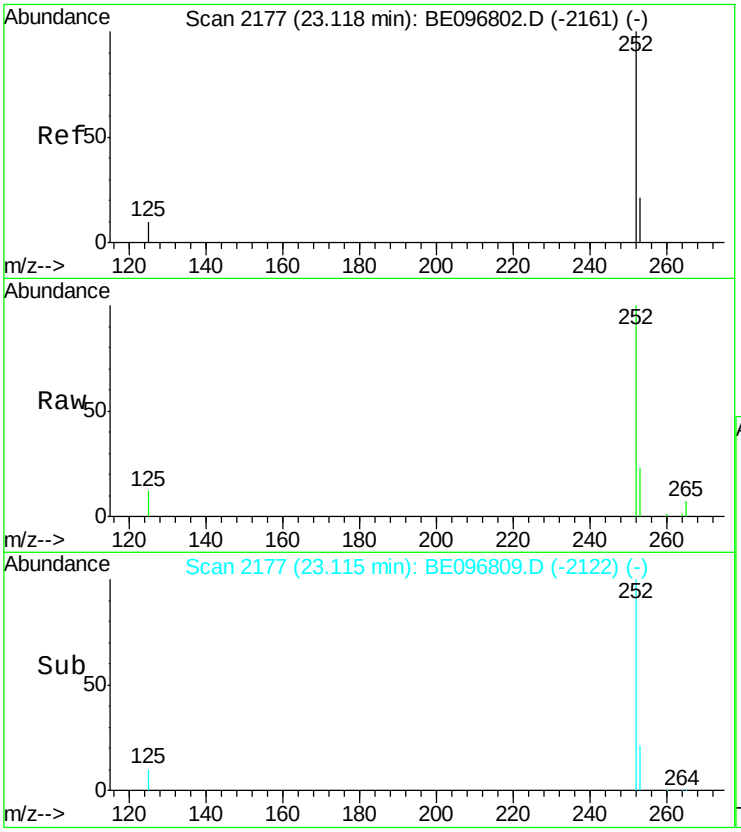




#36
Benzo(k)fluoranthene
Concen: 0.294 ng
RT: 22.59 min Scan# 2029
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

Tgt Ion:252 Resp: 13731

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 16.0 | 24.0 |
| 125 | 10.5 | 8.0 | 12.0 |



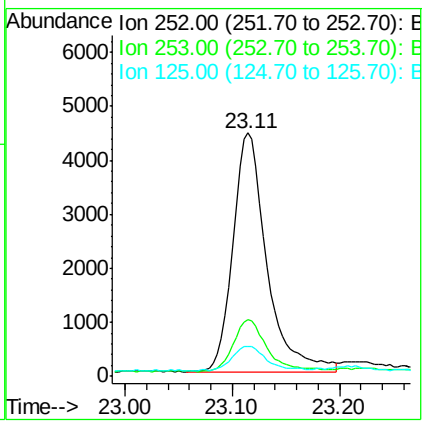


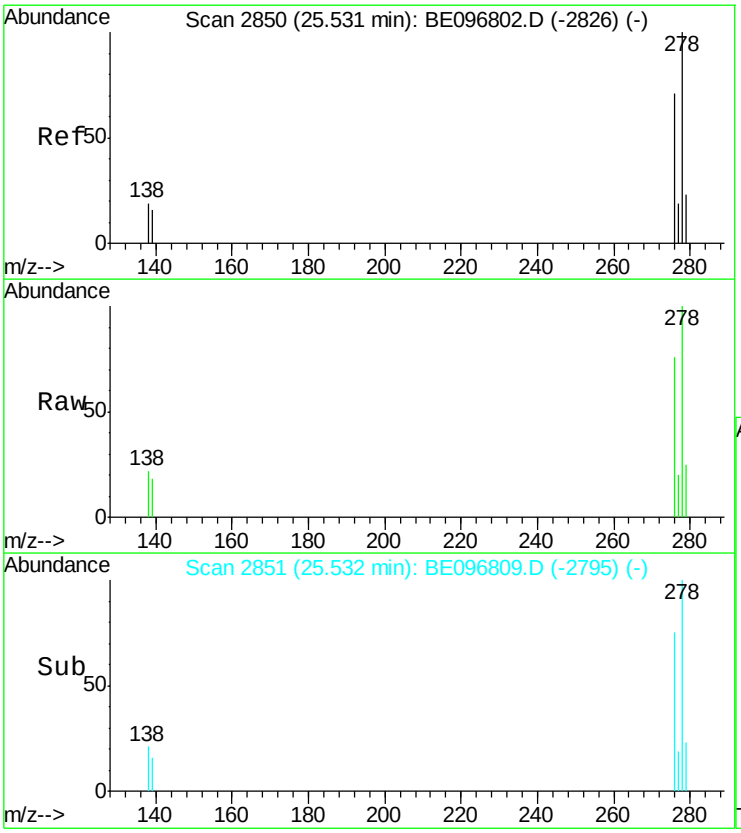

#37
Benzo(a)pyrene
Concen: 0.283 ng
RT: 23.11 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion:252 Resp: 9648

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 16.0 | 24.0 |
| 125 | 12.4 | 12.0 | 18.0 |

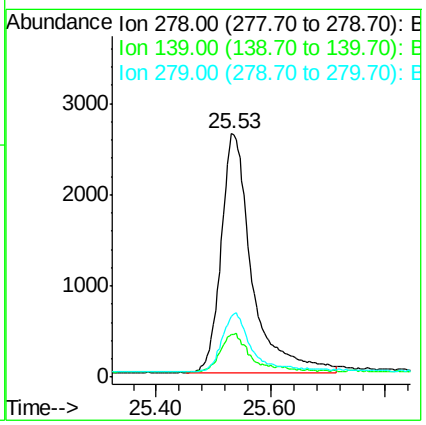


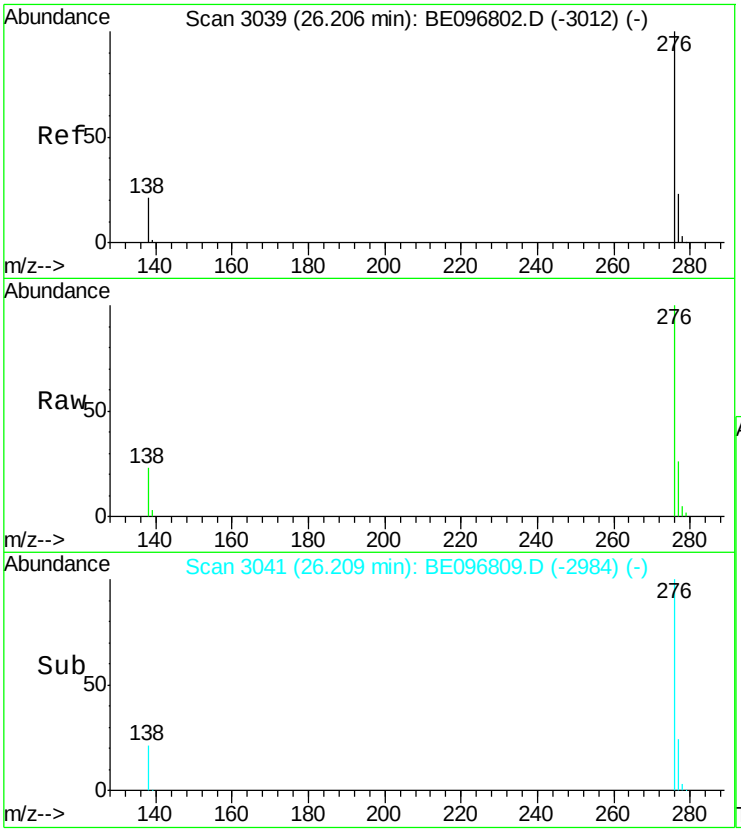




#38
Dibenzo(a,h)anthracene
Concen: 0.317 ng
RT: 25.53 min Scan# 2851
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

Tgt Ion:278 Resp: 9756

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 17.6 | 16.0 | 24.0 |
| 279 | 25.0 | 20.0 | 30.0 |






#39
Benzo(g,h,i)perylene
Concen: 0.306 ng
RT: 26.21 min Scan# 3041
Delta R.T. 0.00 min
Lab File: BE096809.D
Acq: 18 Jun 2018 15:28

**Instrument :**
BNA_E
**ClientSampleId :**
PB110224BS

Tgt Ion:276 Resp: 11078

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.7 | 16.0 | 24.0# |
| 138 | 22.7 | 20.0 | 30.0 |