Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062118\
Data File : BE096837.D
Acq On : 21 Jun 2018 10:07
Operator : SJ/JU
Sample : PB110435BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** PB110435BS

Quant Time: Jun 22 02:28:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 20 15:45:14 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.40 | 152 | 3825 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.16 | 136 | 16055 | 0.40 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.03 | 164 | 6668 | 0.40 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 16.78 | 188 | 15074 | 0.40 | ng | | 0.00 |
| 27) Chrysene-d12 | 20.98 | 240 | 15831 | 0.40 | ng | | 0.00 |
| 34) Perylene-d12 | 23.22 | 264 | 13757 | 0.40 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.07 | 112 | 3667 | 0.43 | ng | | 0.01 |
| 5) Phenol-d6 | 6.60 | 99 | 4314 | 0.34 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.53 | 82 | 3713 | 0.38 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.73 | 152 | 7943 | 0.34 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.53 | 330 | 285 | 0.29 | ng | | 0.01 |
| 15) 2-Fluorobiphenyl | 12.64 | 172 | 9782 | 0.40 | ng | | 0.00 |
| 25) Fluoranthene-d10 | 18.82 | 212 | 40128 | 0.30 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.44 | 244 | 8392 | 0.27 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.11 | 88 | 1612 | 0.281 | ng | # | 82 |
| 3) n-Nitrosodimethylamine | 3.38 | 42 | 2289 | 0.377 | ng | # | 84 |
| 6) bis(2-Chloroethyl)ether | 6.85 | 93 | 4122 | 0.295 | ng | | 98 |
| 9) Naphthalene | 10.20 | 128 | 48733 | 0.335 | ng | | 99 |
| 10) Hexachlorobutadiene | 10.50 | 225 | 1910 | 0.315 | ng | | 97 |
| 12) 2-Methylnaphthalene | 11.81 | 142 | 7389 | 0.306 | ng | | 98 |
| 16) Acenaphthylene | 13.74 | 152 | 8966 | 0.310 | ng | | 99 |
| 17) Acenaphthene | 14.08 | 154 | 6009 | 0.314 | ng | # | 94 |
| 18) Fluorene | 15.07 | 166 | 6589 | 0.293 | ng | # | 80 |
| 20) 4-Bromophenyl-phenylether | 15.98 | 248 | 2017 | 0.297 | ng | # | 82 |
| 21) Hexachlorobenzene | 16.09 | 284 | 2500 | 0.323 | ng | # | 81 |
| 22) Pentachlorophenol | 16.44 | 266 | 566 | 0.475 | ng | # | 73 |
| 23) Phenanthrene | 16.81 | 178 | 12035 | 0.325 | ng | | 98 |
| 24) Anthracene | 16.90 | 178 | 9703 | 0.316 | ng | | 95 |
| 26) Fluoranthene | 18.84 | 202 | 12925 | 0.345 | ng | | 99 |
| 28) Pyrene | 19.21 | 202 | 12343 | 0.269 | ng | | 99 |
| 30) Benzo(a)anthracene | 20.97 | 228 | 11056 | 0.315 | ng | | 97 |
| 31) Chrysene | 21.01 | 228 | 14208 | 0.328 | ng | | 99 |
| 32) Bis(2-ethylhexyl)phthalate | 20.93 | 149 | 8494 | 0.270 | ng | # | 99 |
| 33) Indeno(1,2,3-cd)pyrene | 25.51 | 276 | 11190 | 0.347 | ng | | 94 |
| 35) Benzo(b)fluoranthene | 22.54 | 252 | 11861 | 0.316 | ng | # | 89 |
| 36) Benzo(k)fluoranthene | 22.59 | 252 | 12710 | 0.325 | ng | | 95 |
| 37) Benzo(a)pyrene | 23.12 | 252 | 9405 | 0.315 | ng | | 94 |
| 38) Dibenzo(a,h)anthracene | 25.54 | 278 | 9173 | 0.337 | ng | | 98 |
| 39) Benzo(g,h,i)perylene | 26.21 | 276 | 10426 | 0.313 | ng | # | 92 |

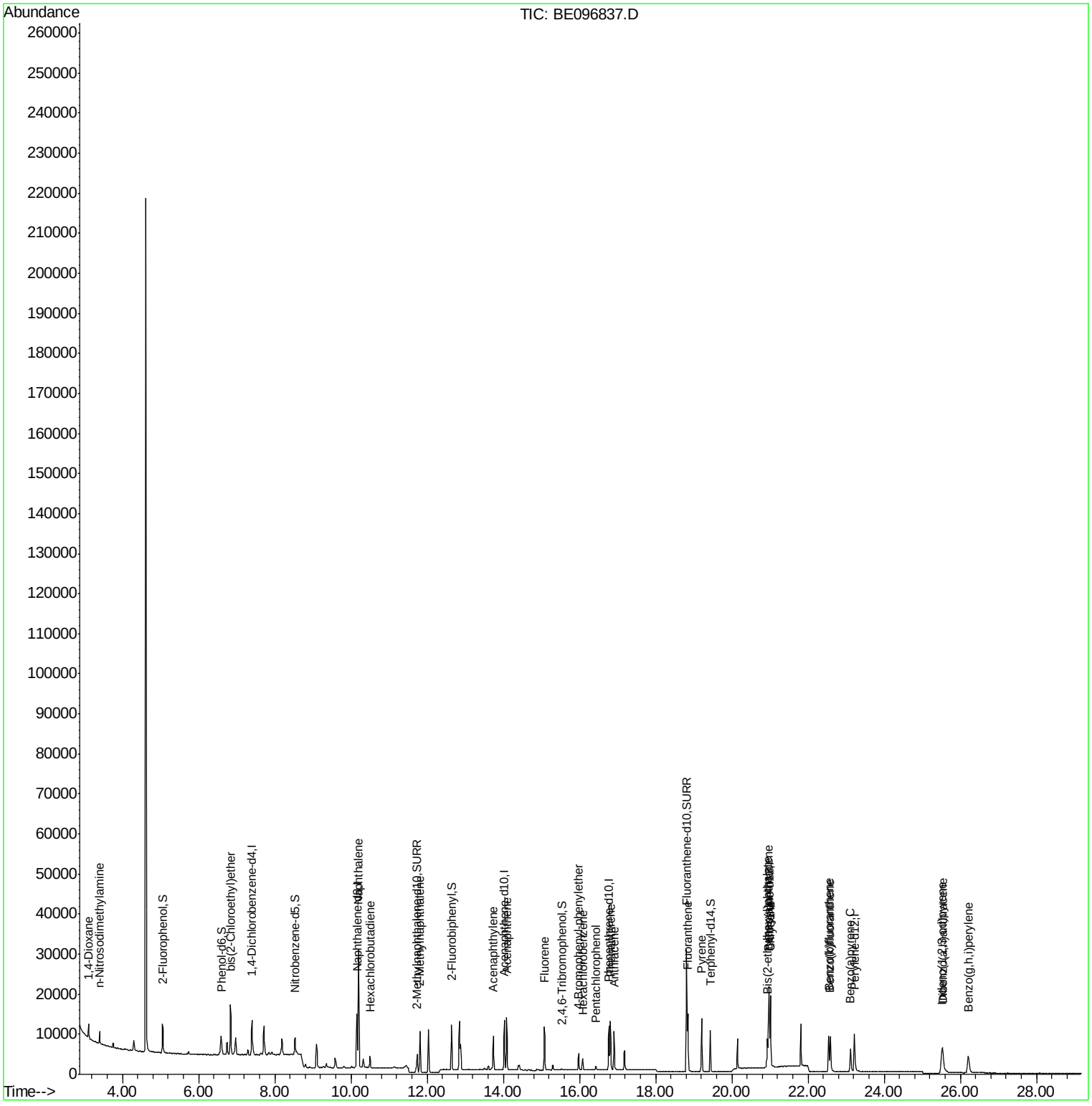
(#) = qualifier out of range (m) = manual integration (+) = signals summed

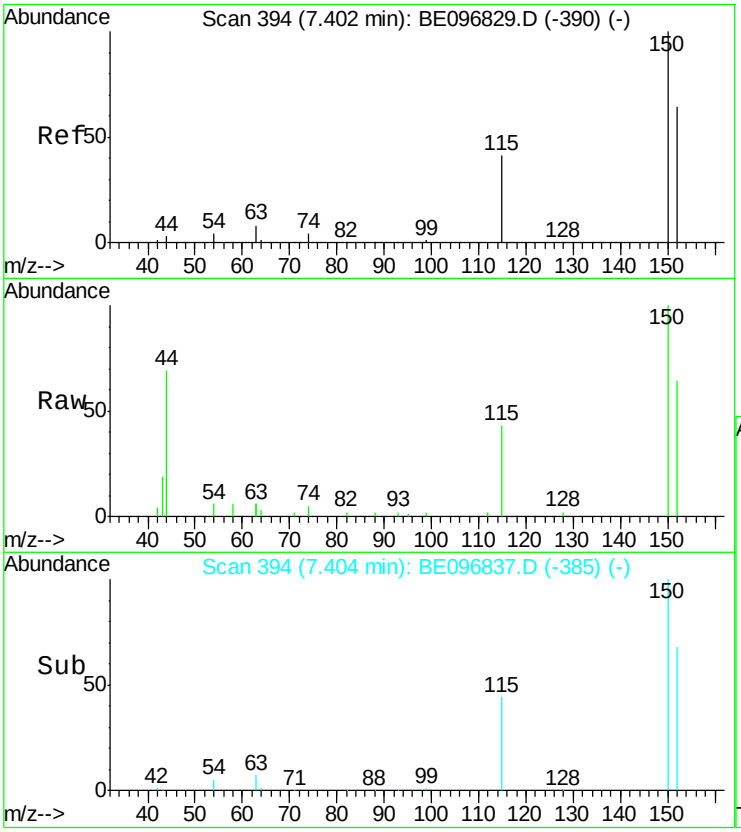
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062118\
Data File : BE096837.D
Acq On : 21 Jun 2018 10:07
Operator : SJ/JU
Sample : PB110435BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Quant Time: Jun 22 02:28:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 20 15:45:14 2018
Response via : Initial Calibration



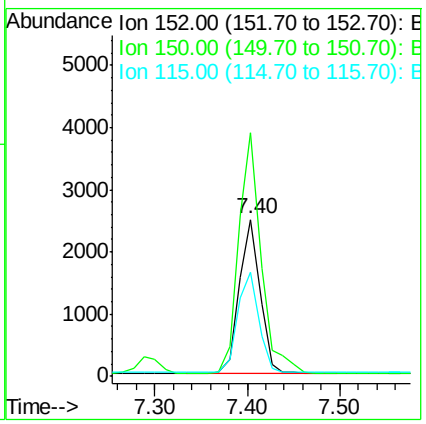


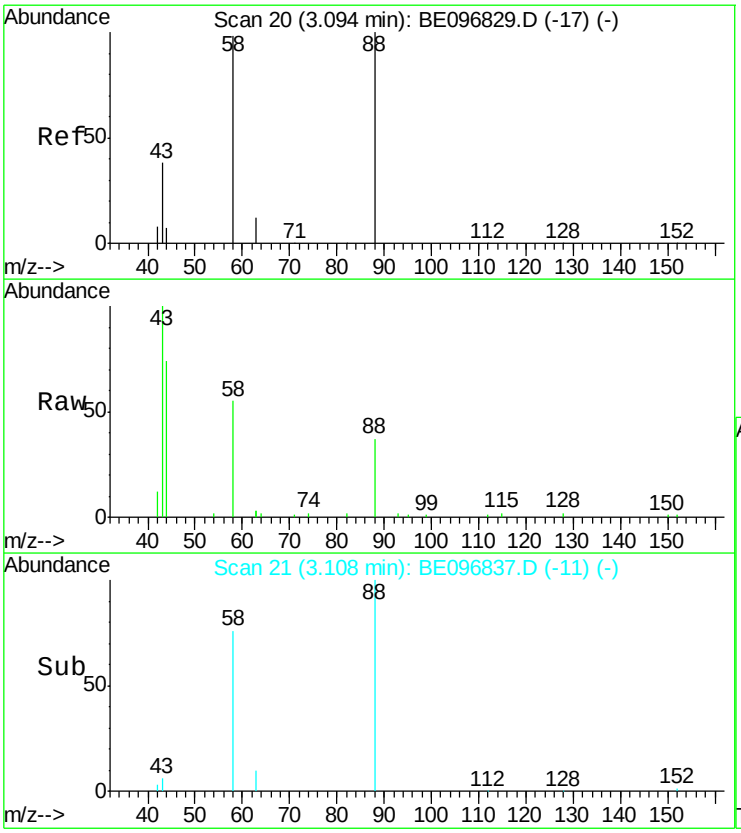

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 394
Delta R.T. 0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion:152 Resp: 3825

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.5 | 117.2 | 175.8 |
| 115 | 66.5 | 57.0 | 85.6 |

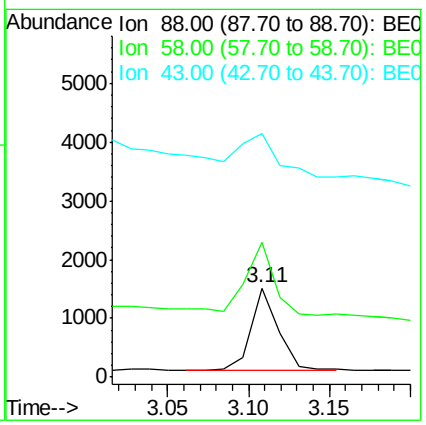


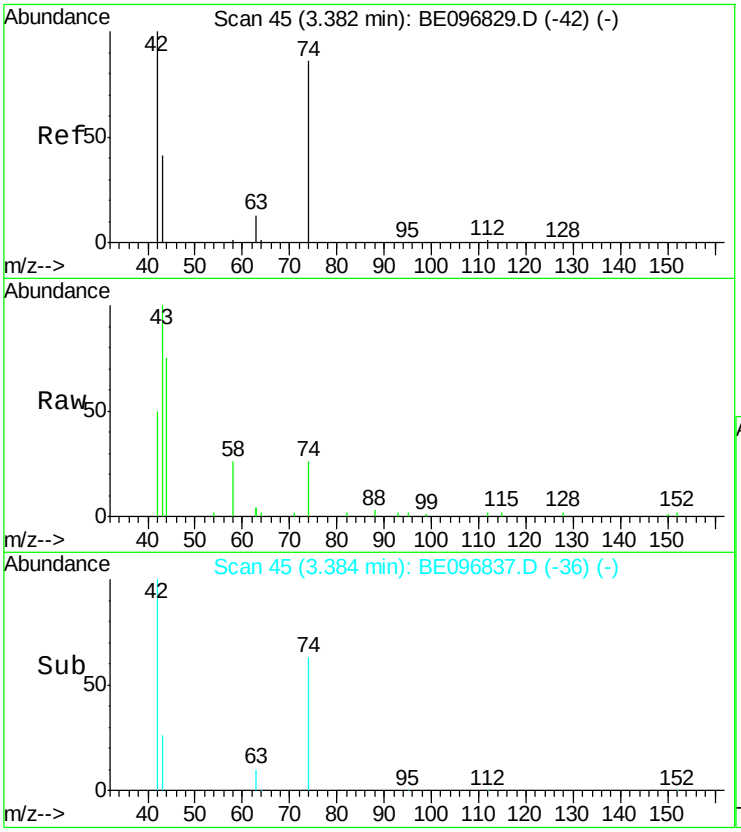




#2
1,4-Dioxane
Concen: 0.281 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion: 88 Resp: 1612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 90.2 | 63.2 | 94.8 |
| 43 | 70.4 | 41.2 | 61.8# |



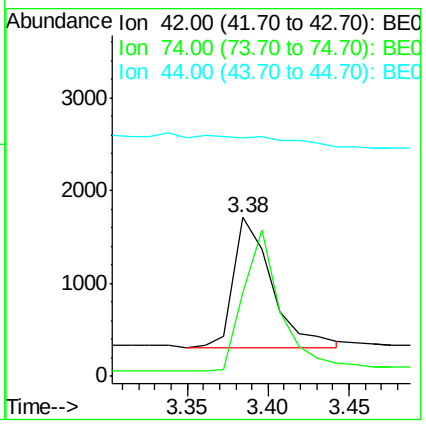


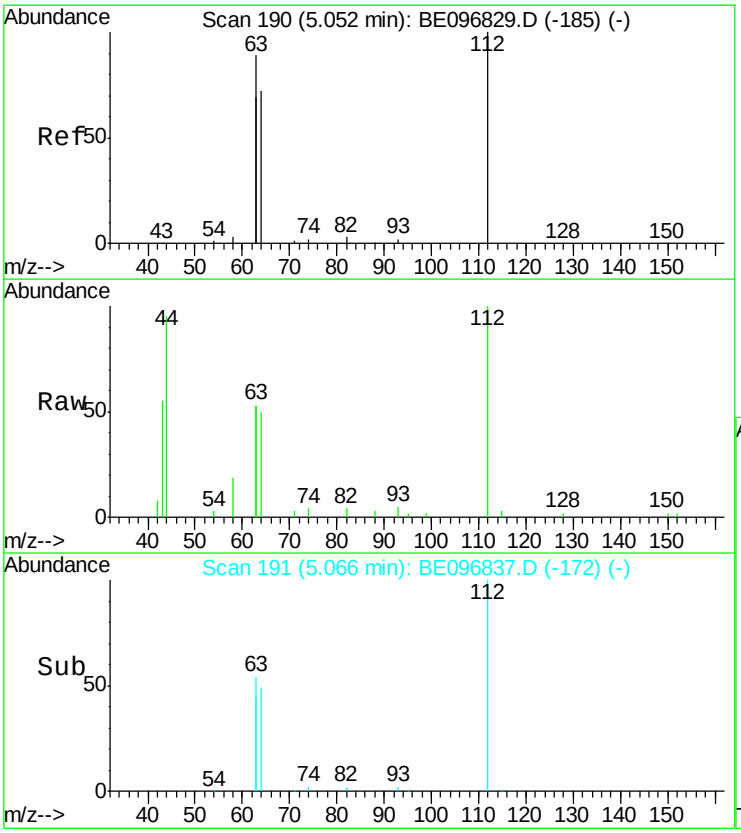

#3
n-Nitrosodimethylamine
Concen: 0.377 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion: 42 Resp: 2289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 105.2 | 96.0 | 144.0 |
| 44 | 0.0 | 12.0 | 18.0# |

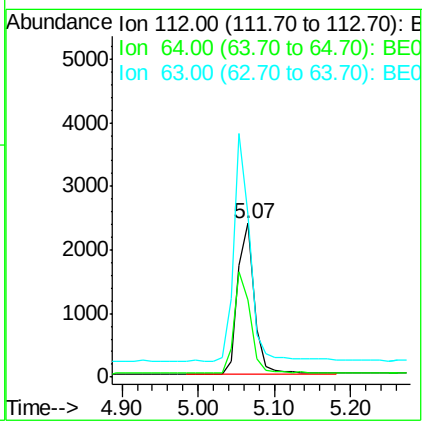


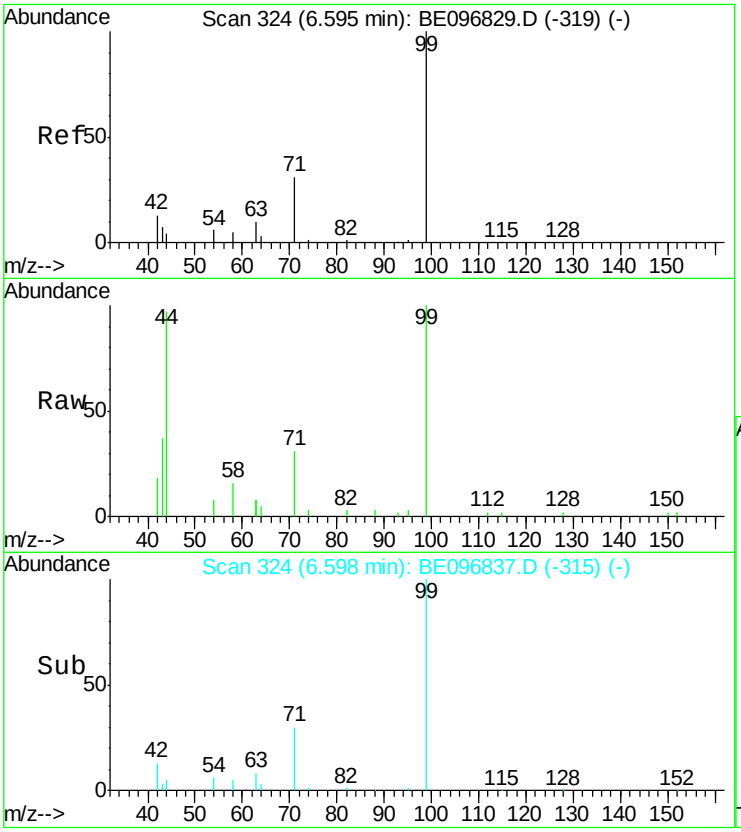




#4
2-Fluorophenol
Concen: 0.429 ng
RT: 5.07 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion:112 Resp: 3667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.6 | 60.1 | 90.1 |
| 63 | 149.0 | 116.8 | 175.2 |



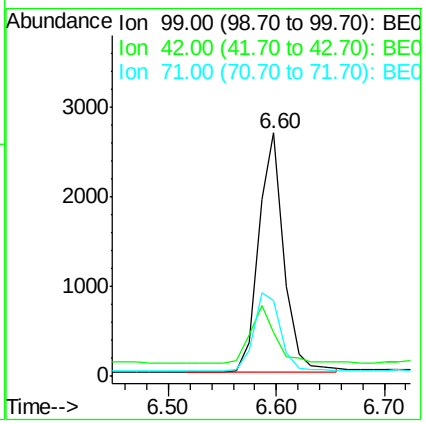


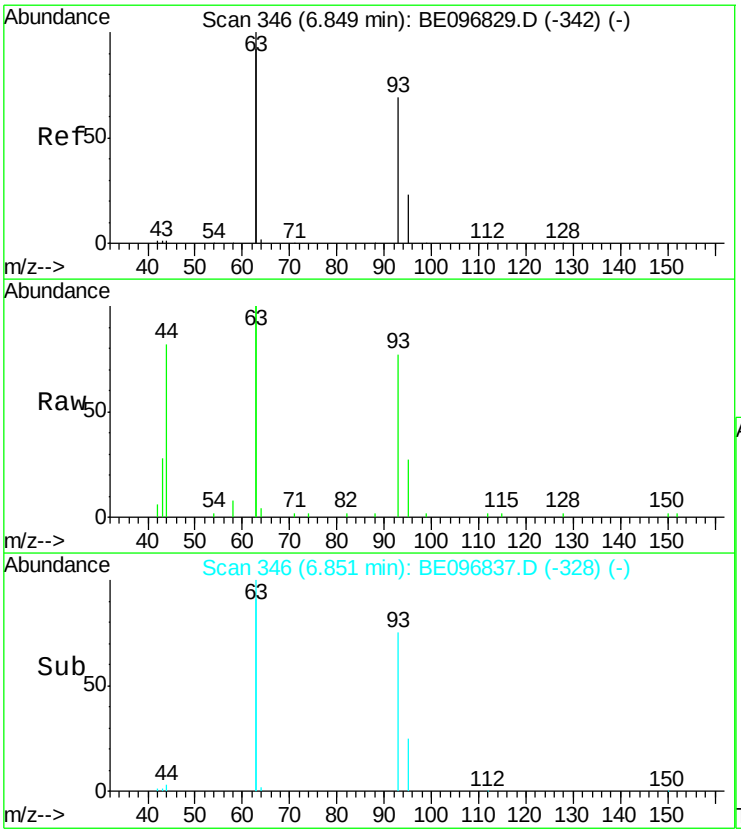

#5
Phenol-d6
Concen: 0.338 ng
RT: 6.60 min Scan# 324
Delta R.T. 0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion: 99 Resp: 4314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.5 | 20.2 | 30.2 |
| 71 | 34.9 | 28.4 | 42.6 |

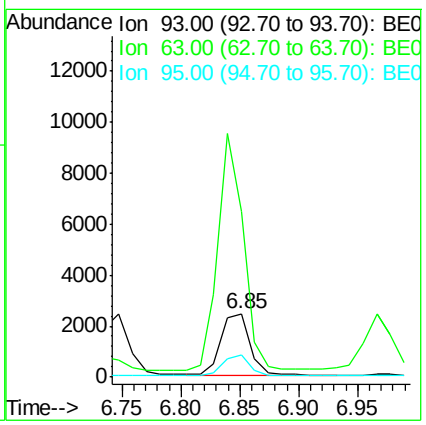


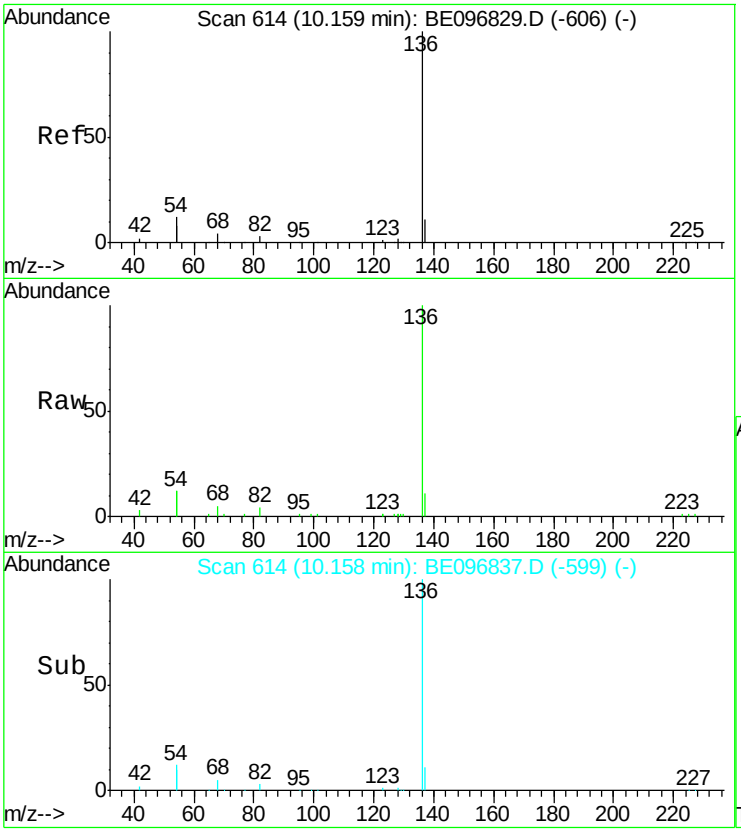




#6
bis(2-Chloroethyl)ether
Concen: 0.295 ng
RT: 6.85 min Scan# 346
Delta R.T. 0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion: 93 Resp: 4122

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 339.0 | 275.3 | 412.9 |
| 95 | 31.9 | 25.2 | 37.8 |



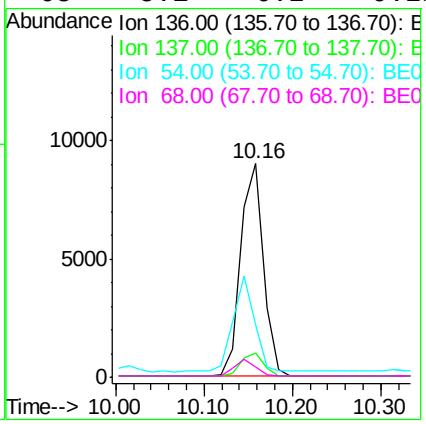


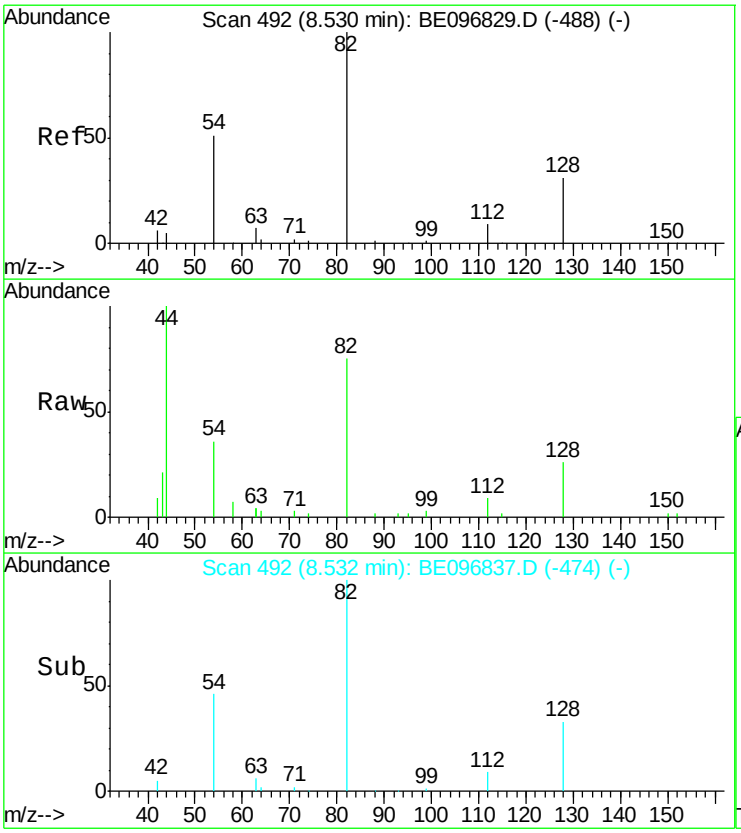

#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.16 min Scan# 614
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion:136 Resp: 16055

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 9.5 | 14.3 |
| 54 | 24.3 | 29.1 | 43.7# |
| 68 | 5.1 | 6.2 | 9.2# |

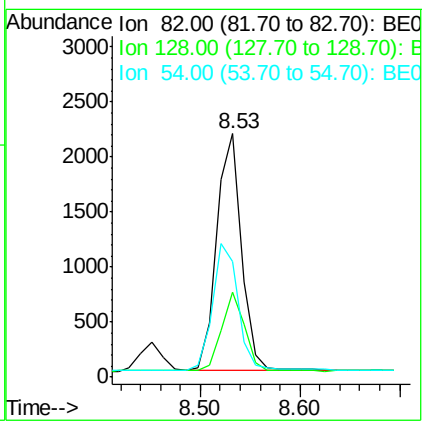


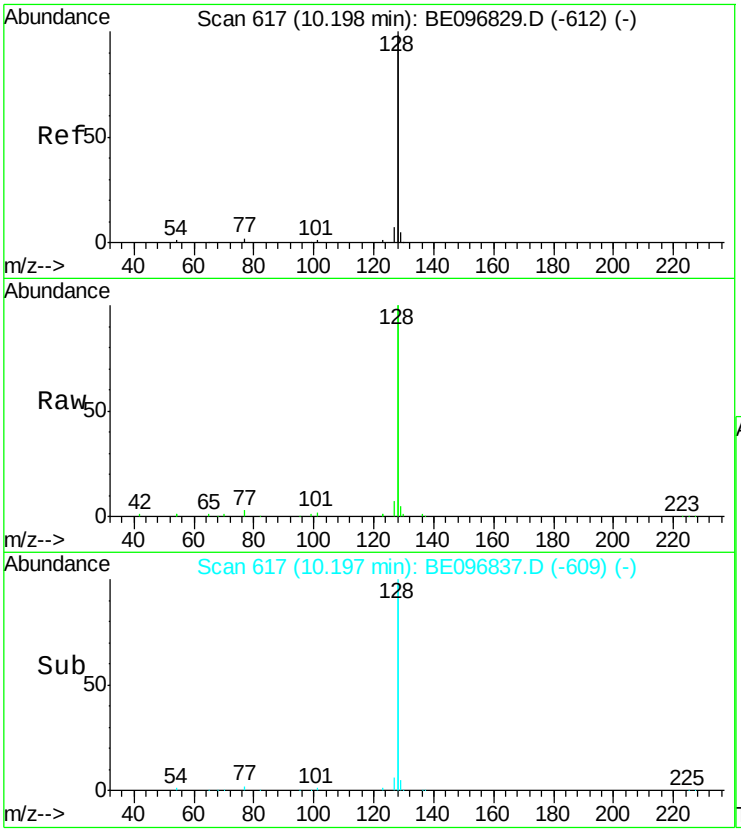




#8
Nitrobenzene-d5
Concen: 0.382 ng
RT: 8.53 min Scan# 492
Delta R.T. 0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion: 82 Resp: 3713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 35.1 | 24.0 | 36.0 |
| 54 | 47.5 | 40.0 | 60.0 |



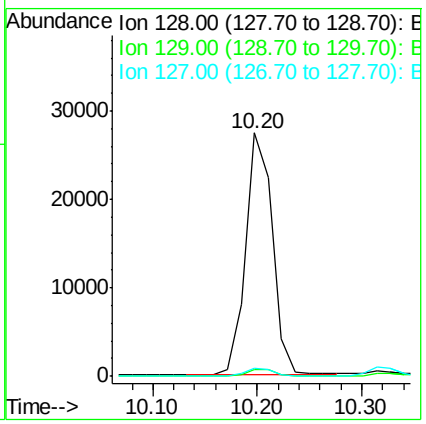


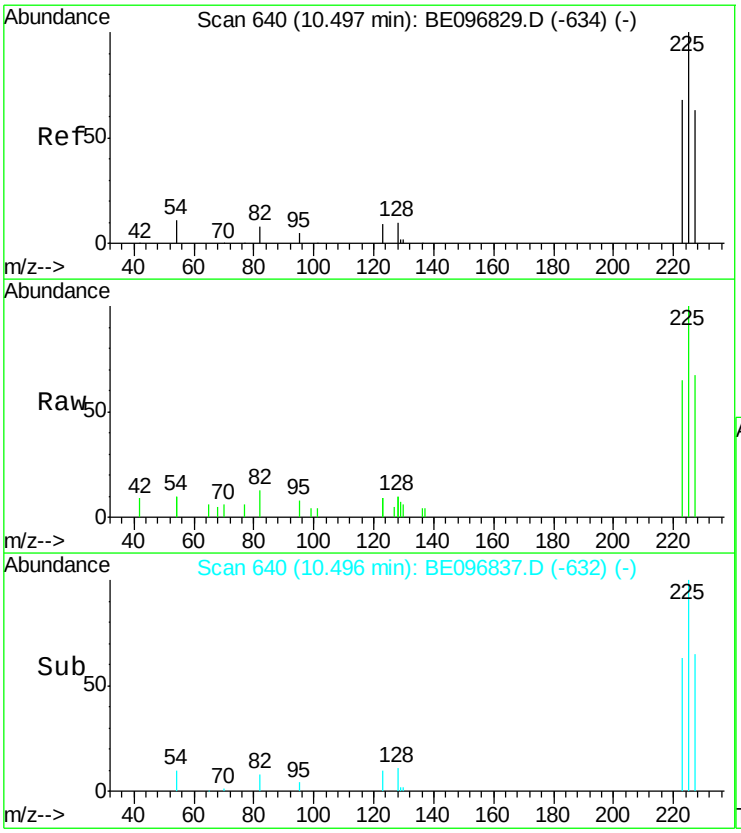

#9
Naphthalene
Concen: 0.335 ng
RT: 10.20 min Scan# 617
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion:128 Resp: 48733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 2.7 | 2.6 | 3.8 |
| 127 | 3.3 | 2.8 | 4.2 |

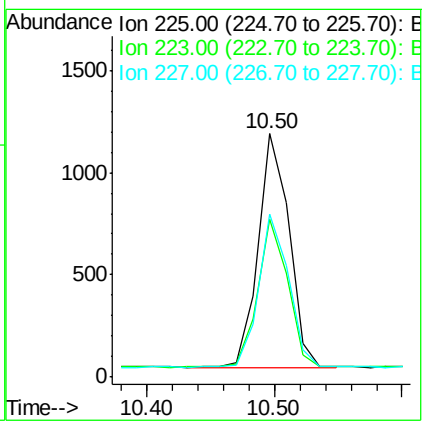


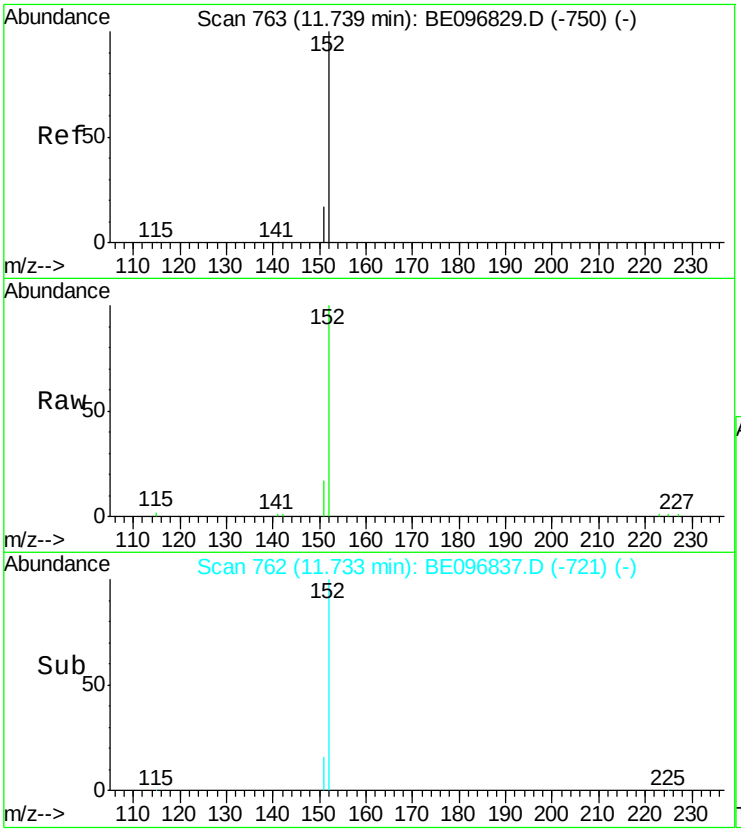




#10
Hexachlorobutadiene
Concen: 0.315 ng
RT: 10.50 min Scan# 640
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion:225 Resp: 1910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 61.8 | 53.0 | 79.6 |
| 227 | 63.6 | 51.4 | 77.2 |



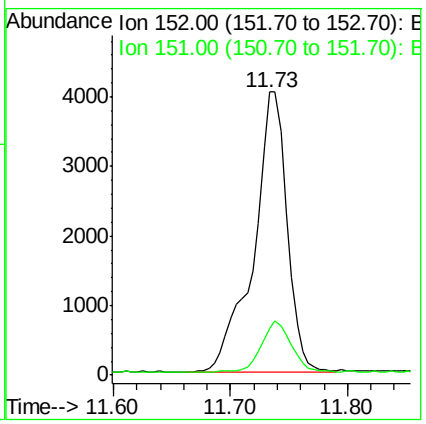


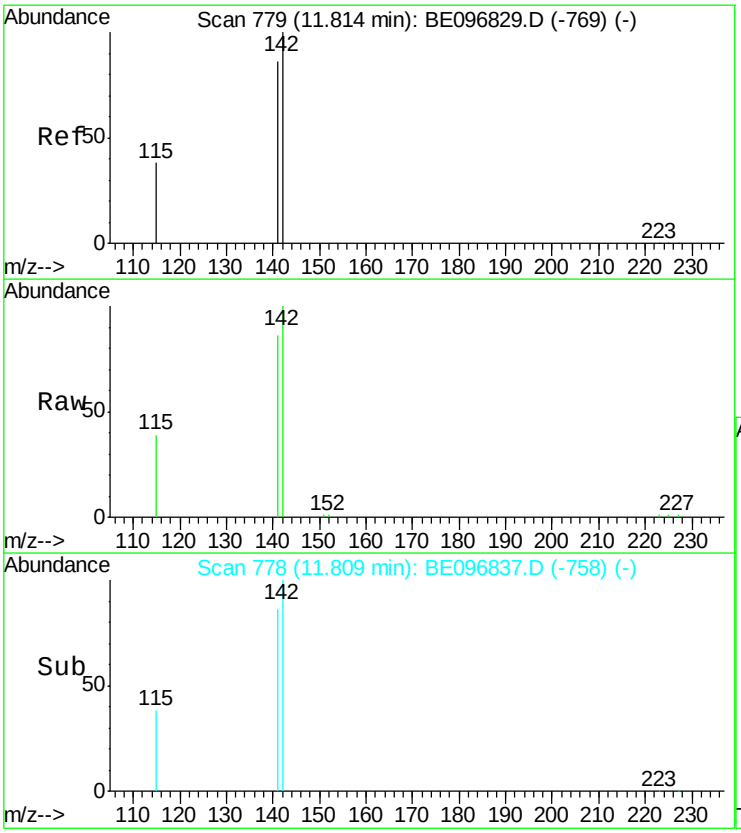

#11
2-Methylnaphthalene-d10
Concen: 0.344 ng
RT: 11.73 min Scan# 762
Delta R.T. -0.01 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion:152 Resp: 7943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 15.9 | 15.4 | 23.0 |

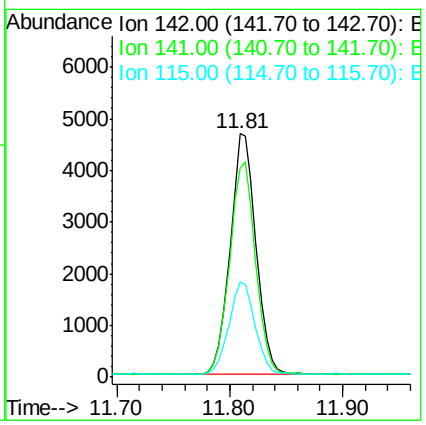


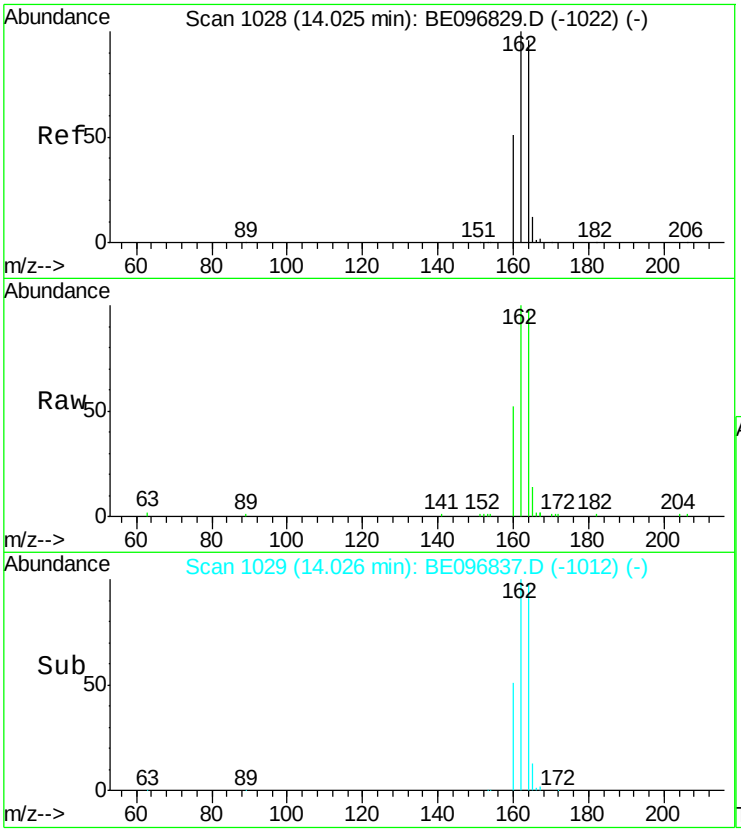




#12
2-Methylnaphthalene
Concen: 0.306 ng
RT: 11.81 min Scan# 778
Delta R.T. -0.01 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion:142 Resp: 7389

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 85.8 | 70.4 | 105.6 |
| 115 | 39.2 | 31.7 | 47.5 |



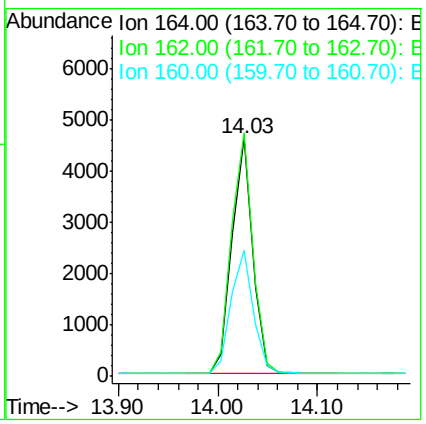


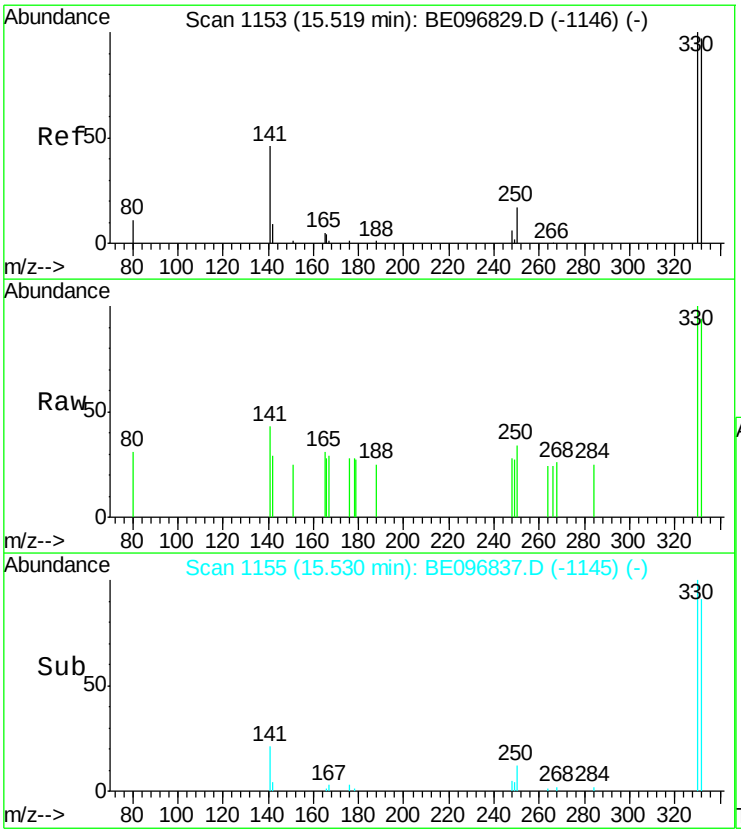

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.03 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion:164 Resp: 6668

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.4 | 83.1 | 124.7 |
| 160 | 52.8 | 37.1 | 55.7 |

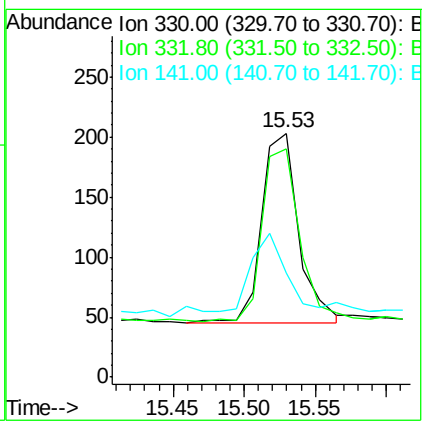


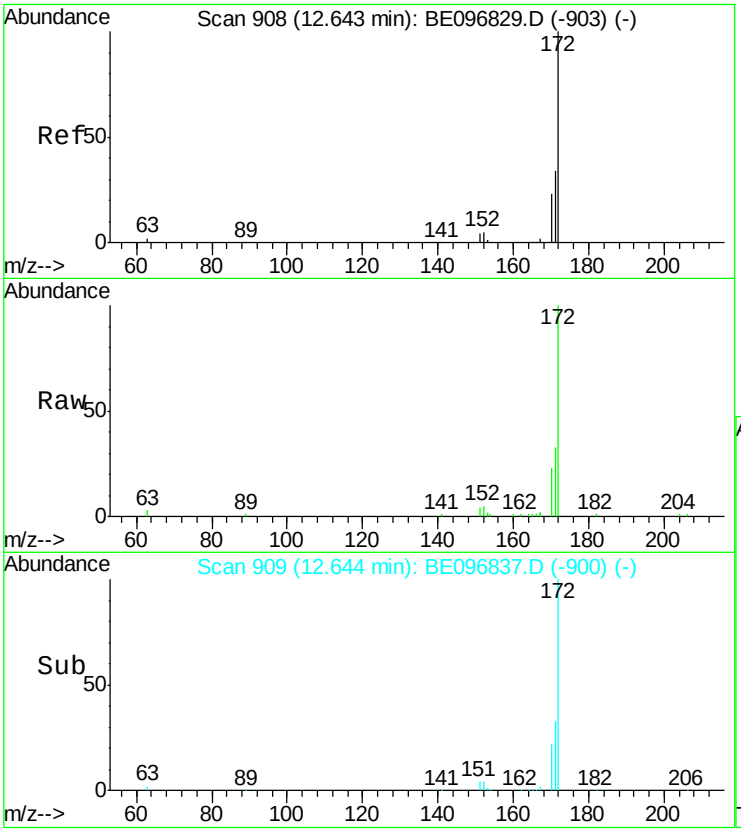




#14
2,4,6-Tribromophenol
Concen: 0.287 ng
RT: 15.53 min Scan# 1155
Delta R.T. 0.01 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion:330 Resp: 285

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.4 | 152.7 | 229.1# |
| 141 | 42.1 | 33.7 | 50.5 |



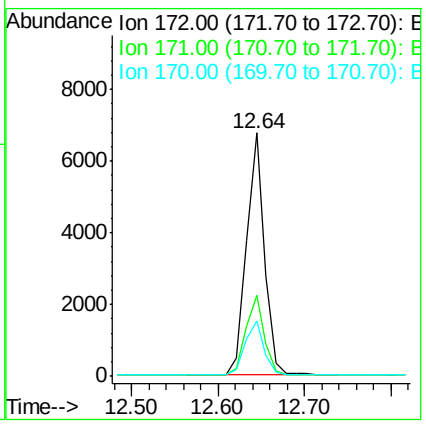


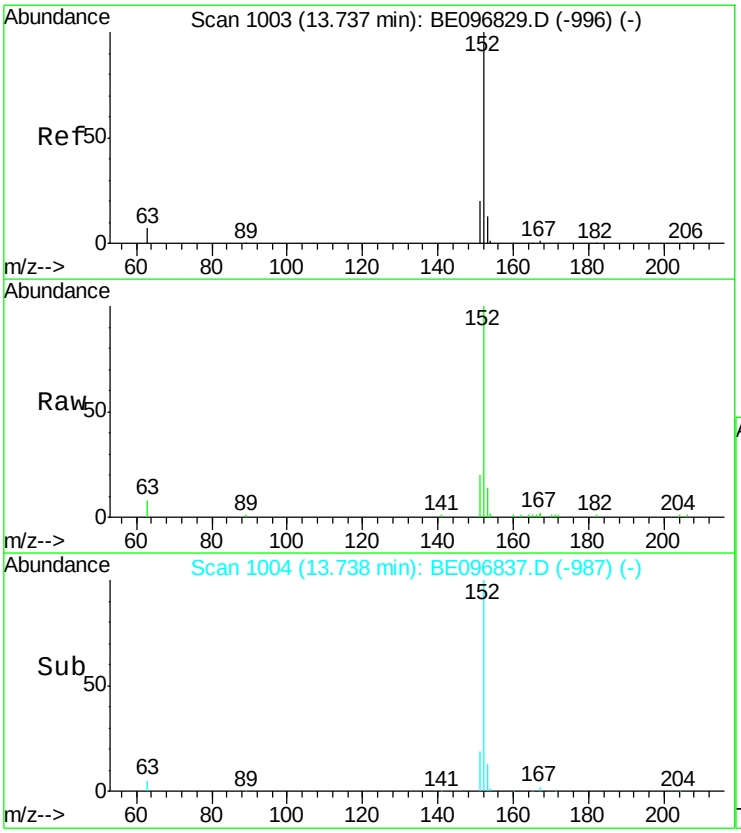

#15
2-Fluorobiphenyl
Concen: 0.401 ng
RT: 12.64 min Scan# 909
Delta R.T. 0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion:172 Resp: 9782

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.4 | 29.9 | 44.9 |
| 170 | 22.5 | 21.8 | 32.8 |

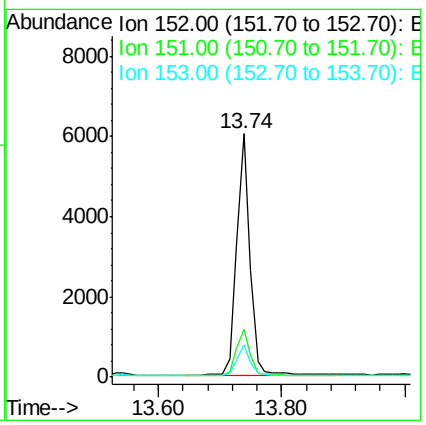


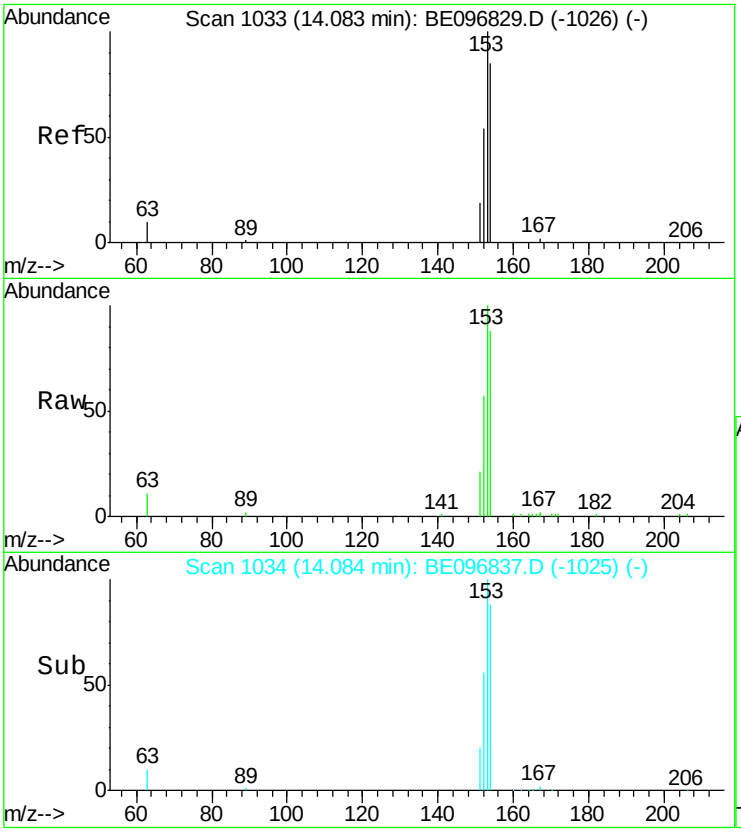




#16
Acenaphthylene
Concen: 0.310 ng
RT: 13.74 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion:152 Resp: 8966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 15.7 | 23.5 |
| 153 | 12.4 | 10.5 | 15.7 |



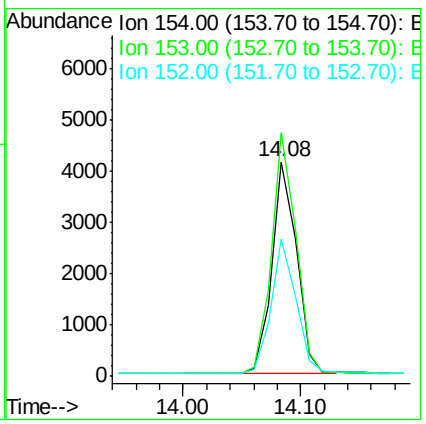


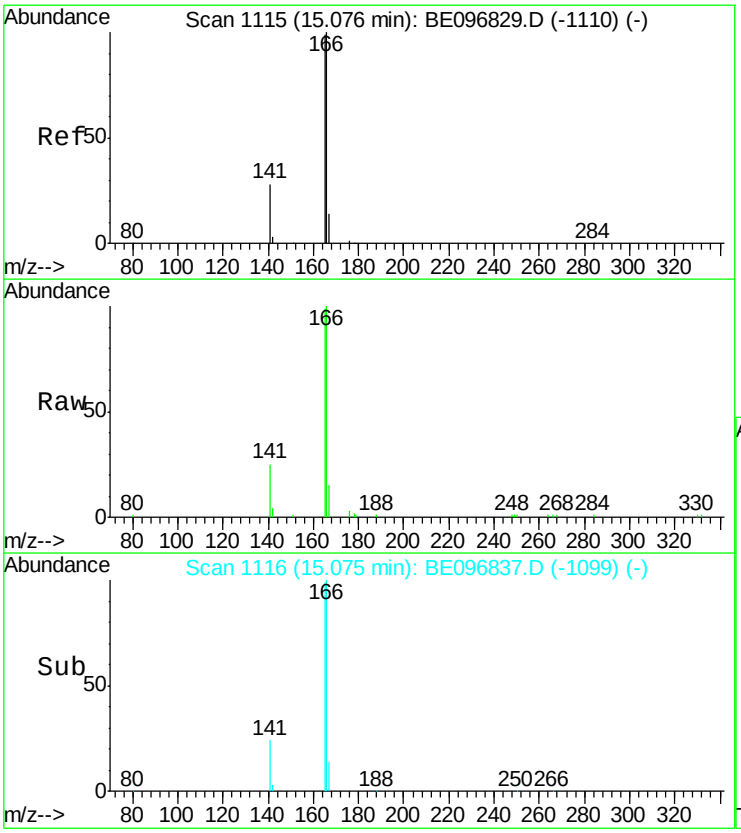

#17
Acenaphthene
Concen: 0.314 ng
RT: 14.08 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion:154 Resp: 6009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.9 | 89.2 | 133.8 |
| 152 | 63.9 | 42.0 | 63.0# |

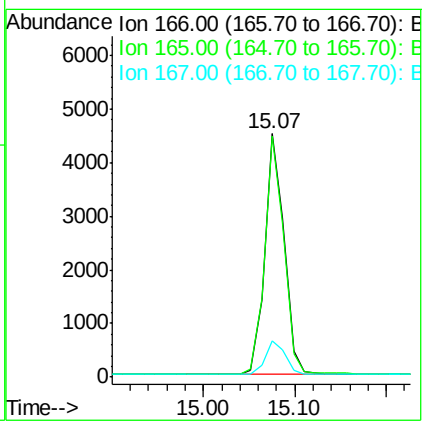


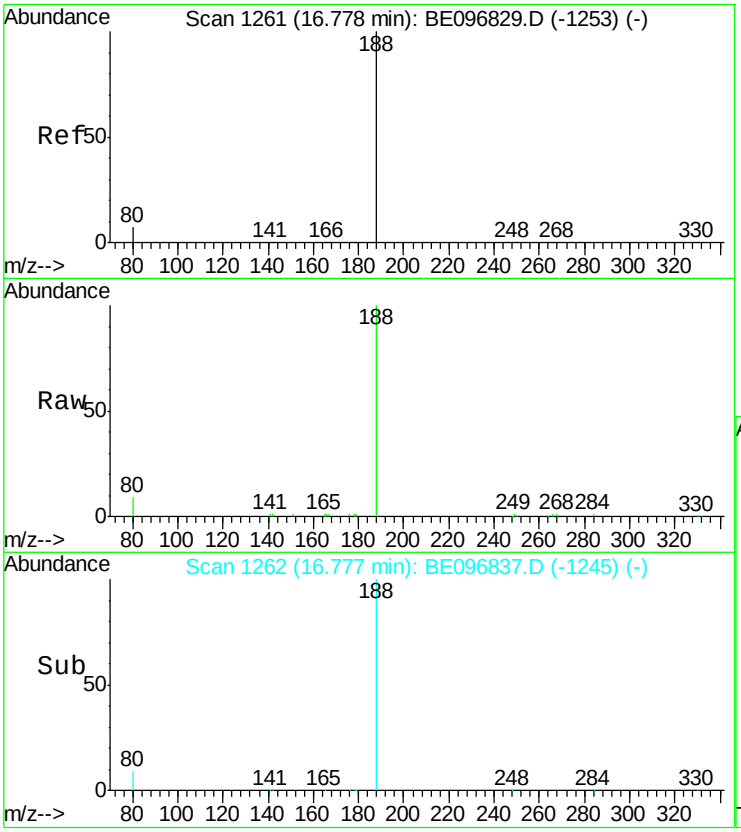




#18
Fluorene
Concen: 0.293 ng
RT: 15.07 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion:166 Resp: 6589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.1 | 77.8 | 116.6 |
| 167 | 14.5 | 42.4 | 63.6# |



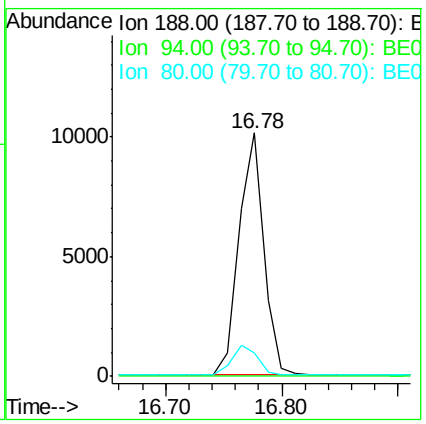


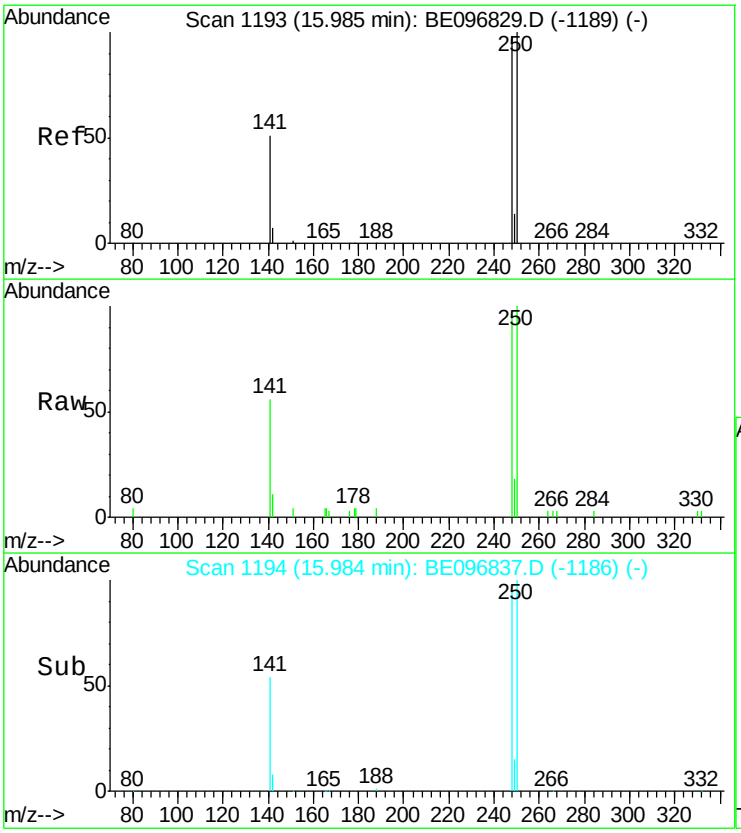

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion:188 Resp: 15074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 3.9 | 5.9# |
| 80 | 9.4 | 3.6 | 5.4# |

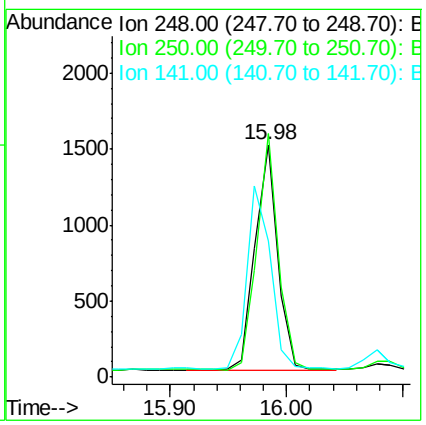


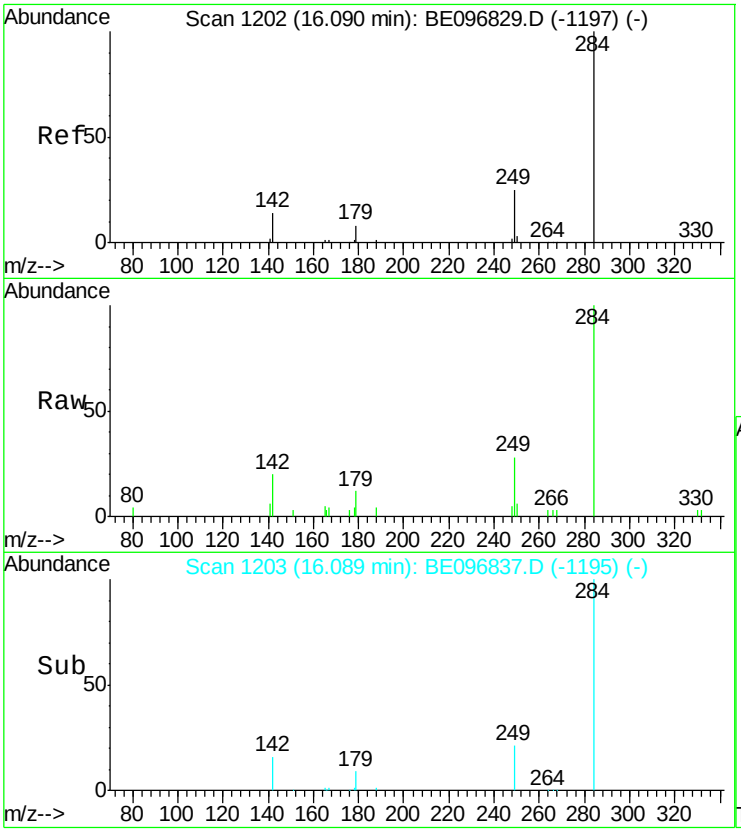




#20
4-Bromophenyl-phenylether
Concen: 0.297 ng
RT: 15.98 min Scan# 1194
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion:248 Resp: 2017

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 104.7 | 62.7 | 94.1# |
| 141 | 58.5 | 48.2 | 72.2 |



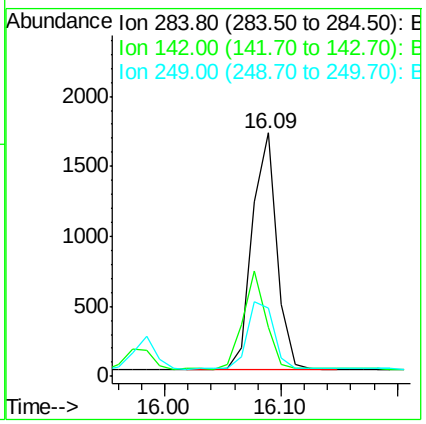


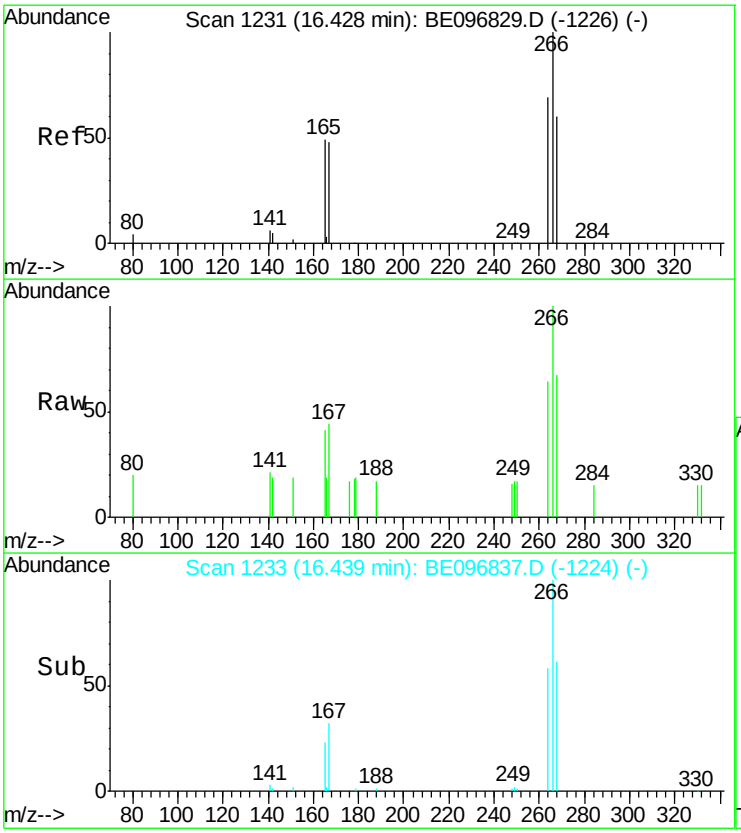

#21
Hexachlorobenzene
Concen: 0.323 ng
RT: 16.09 min Scan# 1203
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion:284 Resp: 2500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 38.1 | 22.1 | 33.1# |
| 249 | 31.3 | 34.8 | 52.2# |

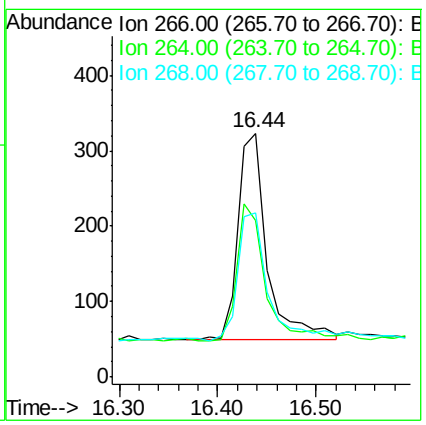


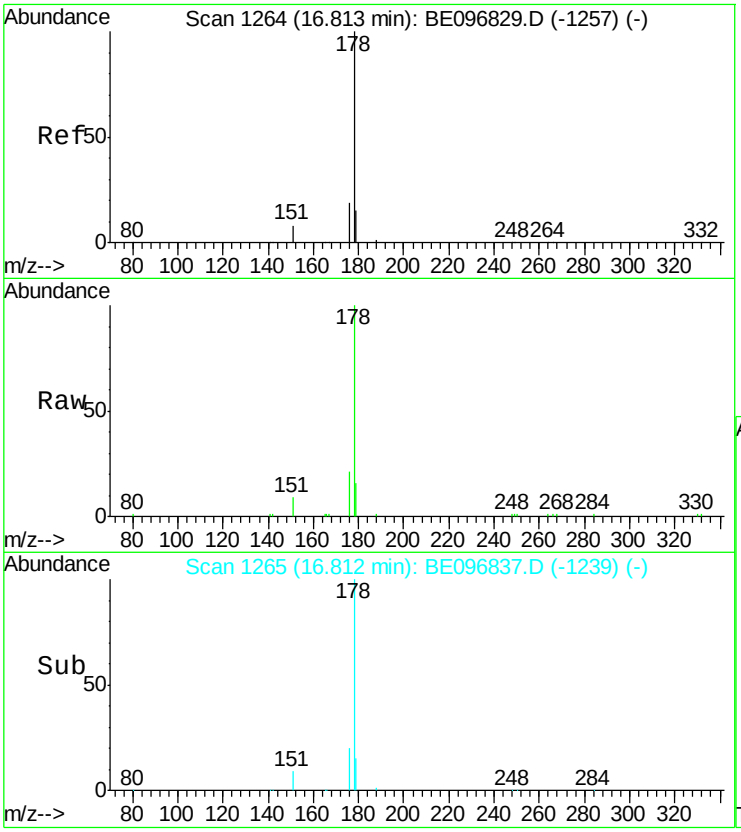




#22
Pentachlorophenol
Concen: 0.475 ng
RT: 16.44 min Scan# 1233
Delta R.T. 0.01 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion:266 Resp: 566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 64.4 | 72.5 | 108.7# |
| 268 | 67.5 | 73.8 | 110.6# |



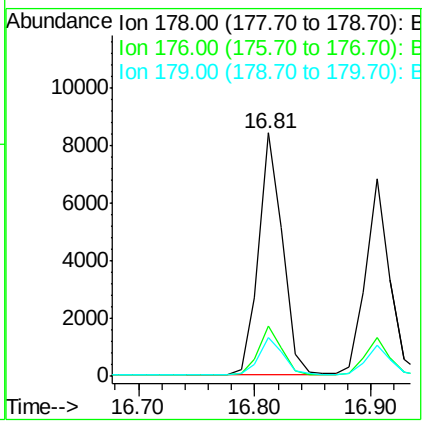


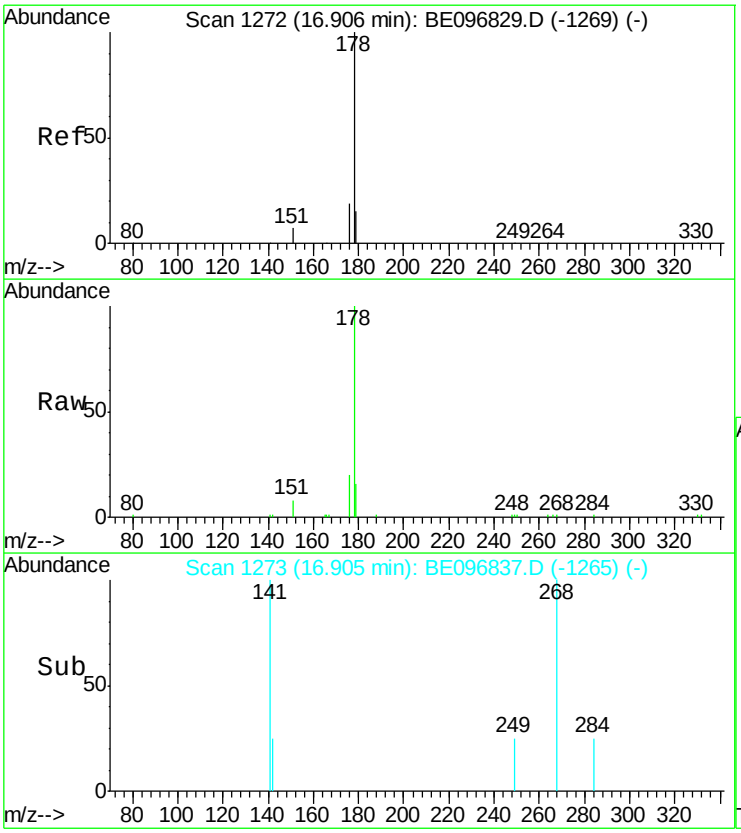

#23
Phenanthrene
Concen: 0.325 ng
RT: 16.81 min Scan# 1265
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion:178 Resp: 12035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.0 | 15.1 | 22.7 |
| 179 | 15.2 | 11.8 | 17.6 |

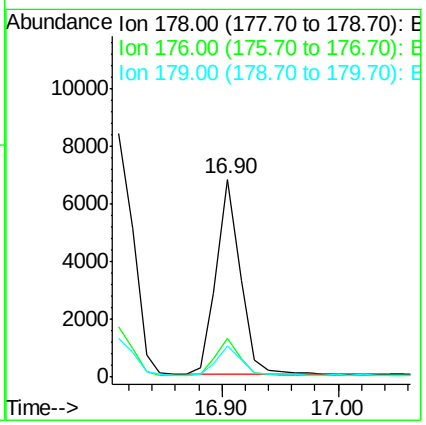


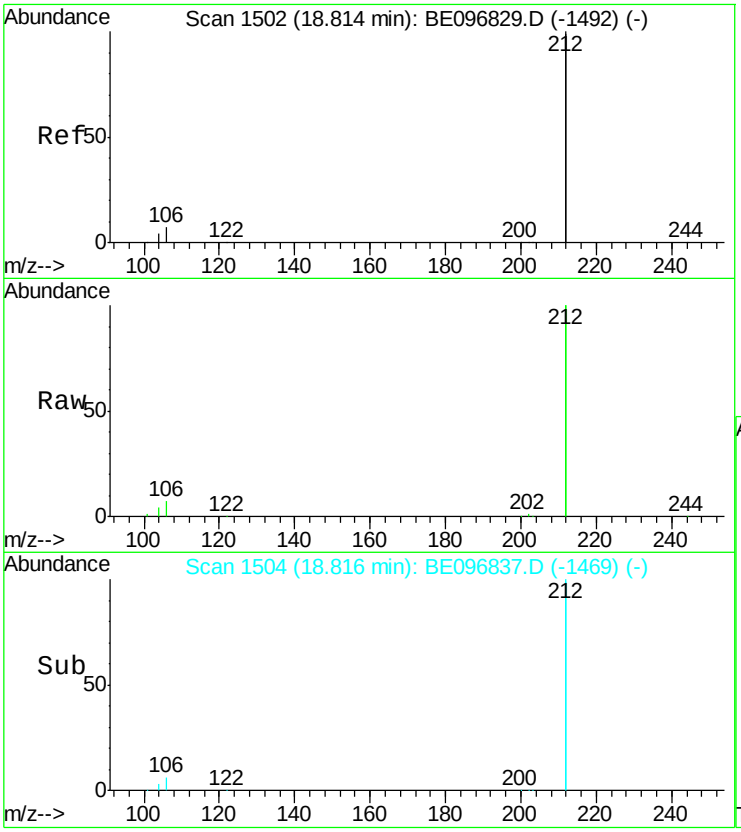




#24
Anthracene
Concen: 0.316 ng
RT: 16.90 min Scan# 1273
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion:178 Resp: 9703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 12.8 | 19.2 |
| 179 | 15.1 | 13.0 | 19.6 |



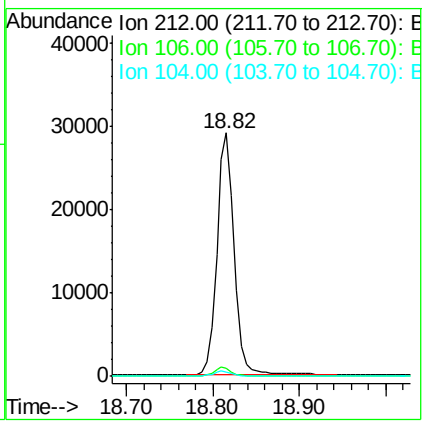


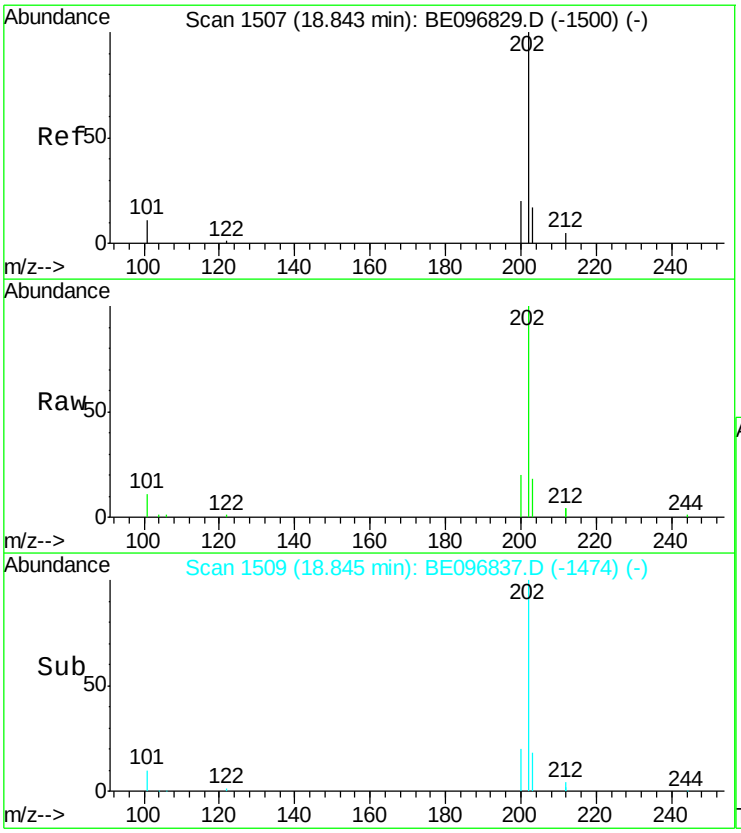

#25
Fluoranthene-d10
Concen: 0.302 ng
RT: 18.82 min Scan# 1504
Delta R.T. 0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion:212 Resp: 40128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 3.4 | 2.8 | 4.2 |
| 104 | 1.9 | 1.6 | 2.4 |

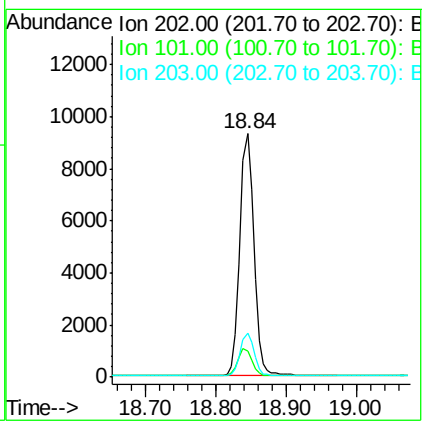


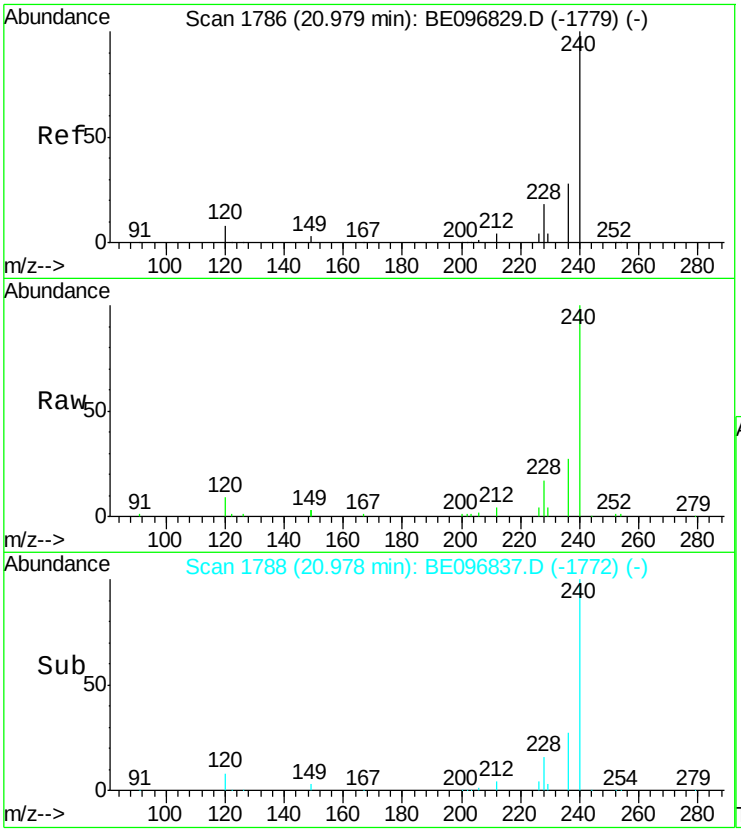




#26
Fluoranthene
Concen: 0.345 ng
RT: 18.84 min Scan# 1509
Delta R.T. 0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion:202 Resp: 12925

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



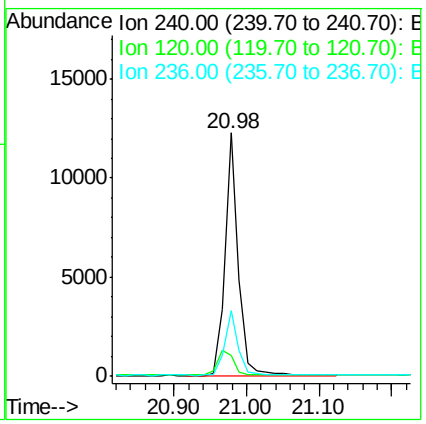


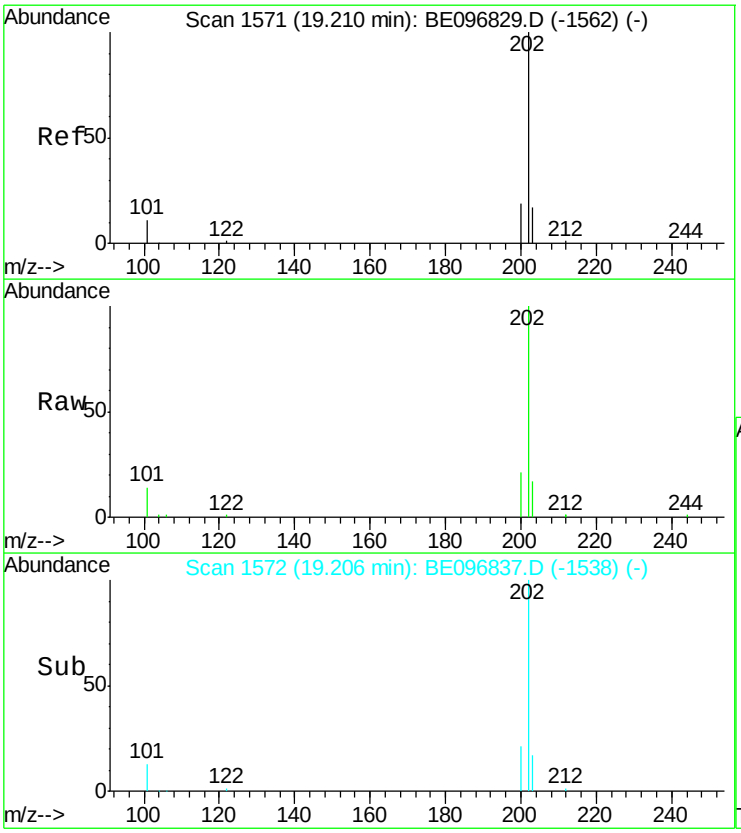

#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1788
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion:240 Resp: 15831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.7 | 5.5 | 8.3# |
| 236 | 27.0 | 20.7 | 31.1 |

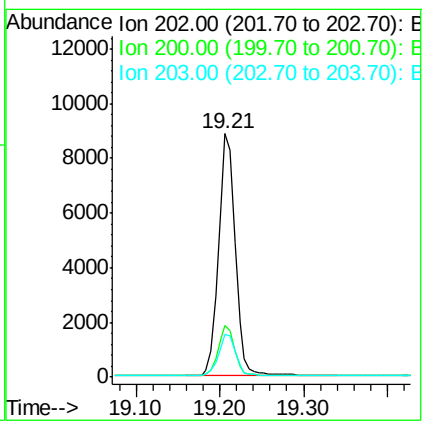


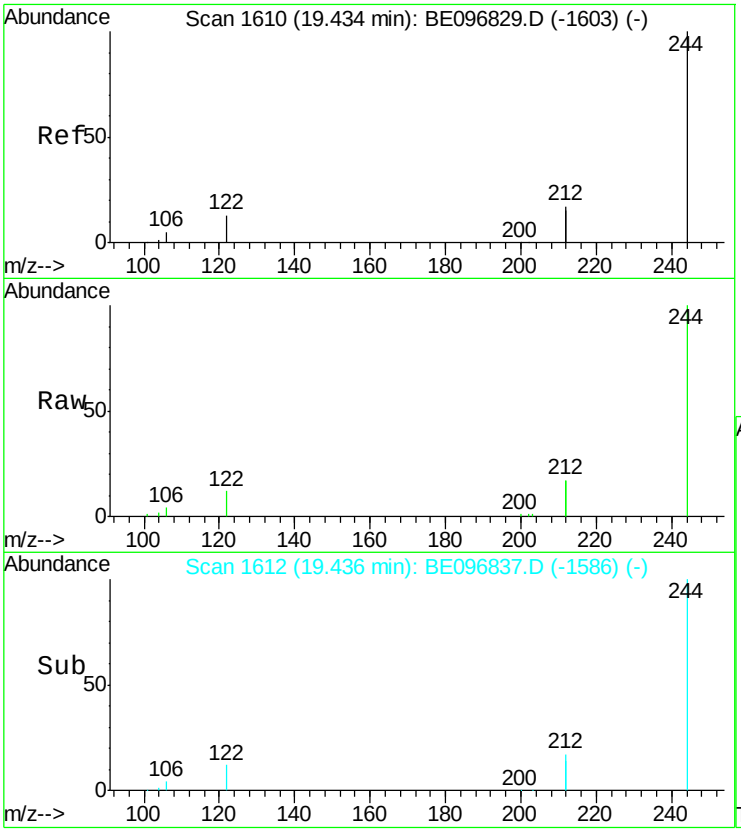




#28
Pyrene
Concen: 0.269 ng
RT: 19.21 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion:202 Resp: 12343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.3 | 16.6 | 25.0 |
| 203 | 17.6 | 13.8 | 20.8 |



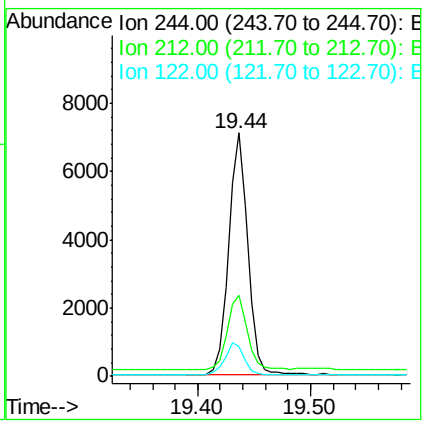


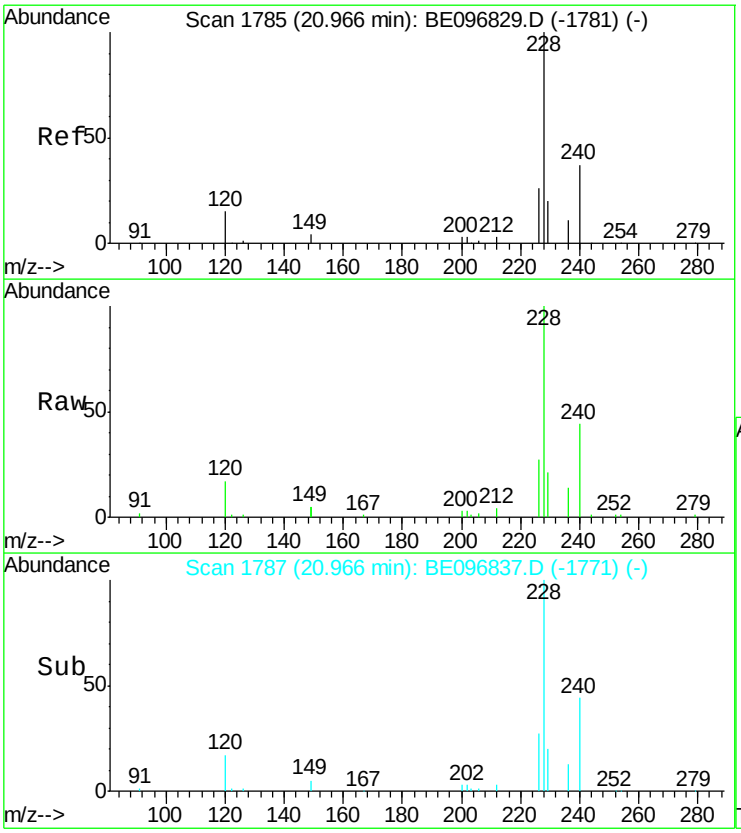

#29
Terphenyl-d14
Concen: 0.275 ng
RT: 19.44 min Scan# 1612
Delta R.T. 0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion:244 Resp: 8392

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 33.2 | 25.4 | 38.0 |
| 122 | 12.2 | 8.1 | 12.1# |

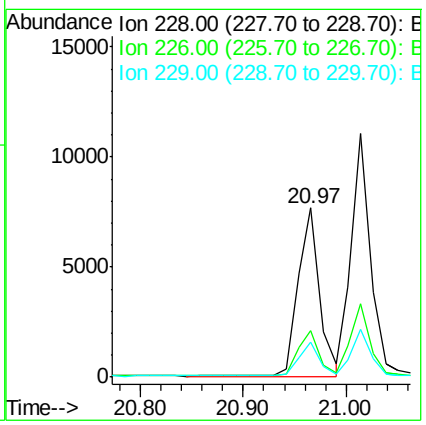


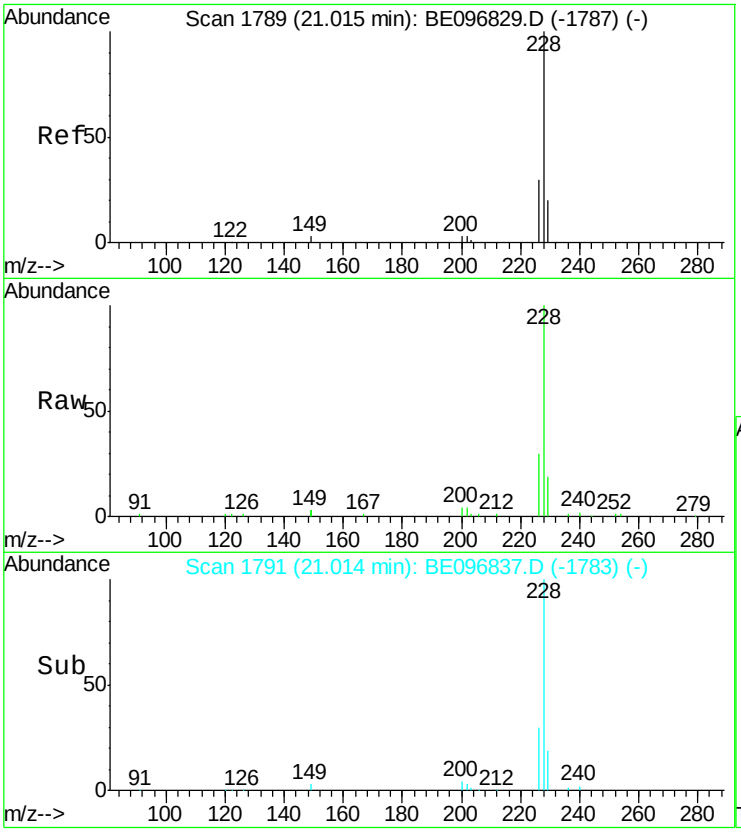




#30
Benzo(a)anthracene
Concen: 0.315 ng
RT: 20.97 min Scan# 1787
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion:228 Resp: 11056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 24.0 | 36.0 |
| 229 | 20.6 | 16.0 | 24.0 |



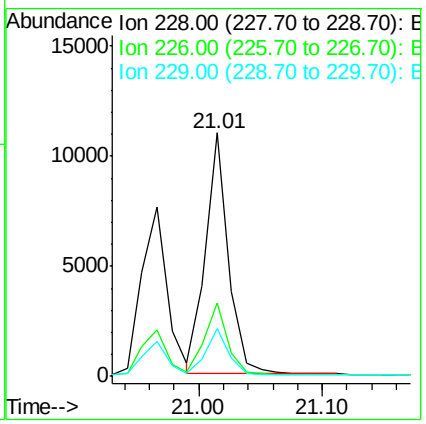


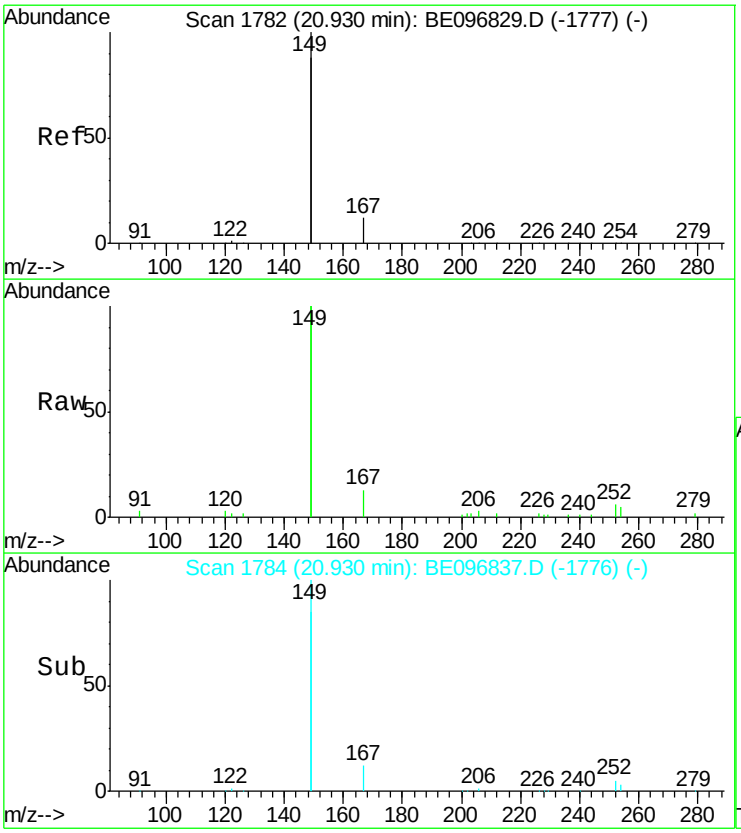

#31
Chrysene
Concen: 0.328 ng
RT: 21.01 min Scan# 1791
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion:228 Resp: 14208

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.1 | 24.0 | 36.0 |
| 229 | 19.5 | 16.0 | 24.0 |

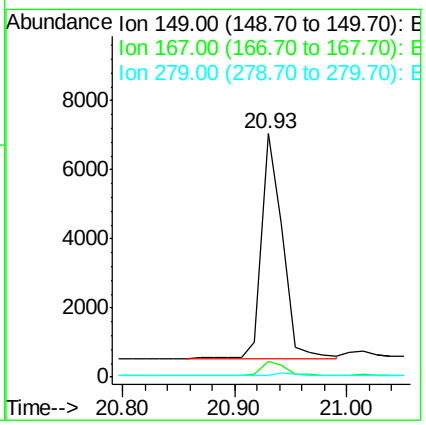


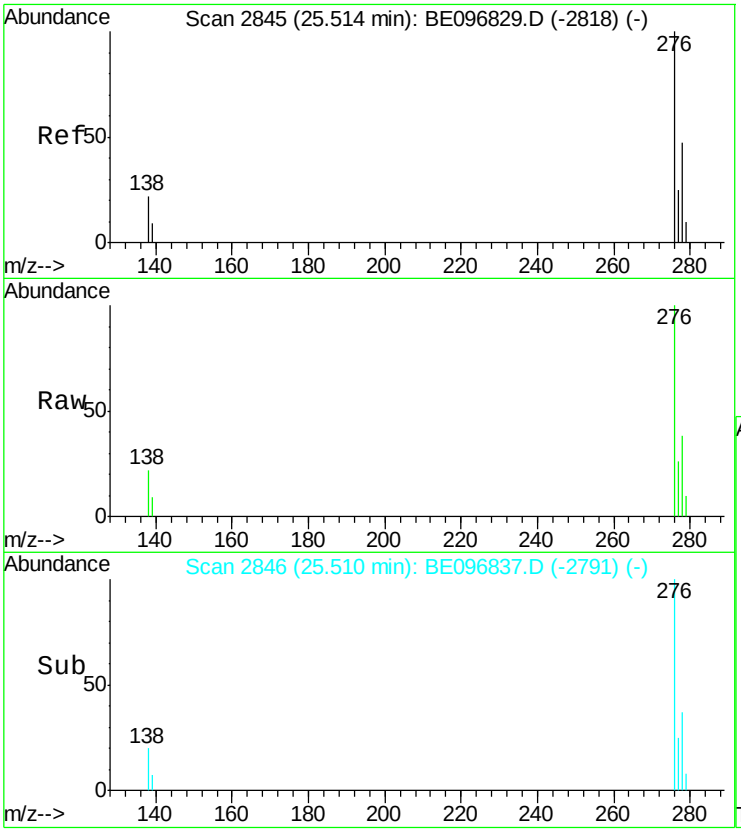




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.270 ng
RT: 20.93 min Scan# 1784
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion:149 Resp: 8494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 6.4 | 5.4 | 8.0 |
| 279 | 1.3 | 0.7 | 1.1# |



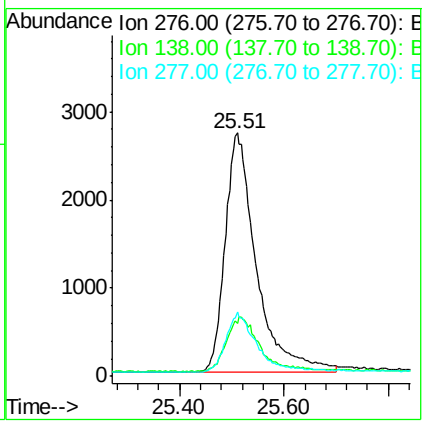


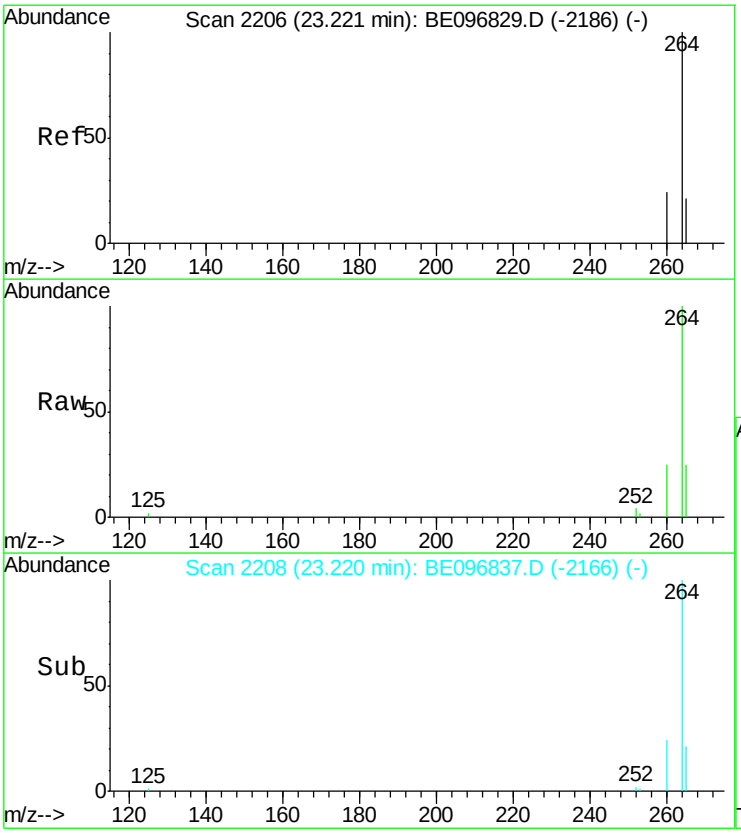

#33
Indeno(1,2,3-cd)pyrene
Concen: 0.347 ng
RT: 25.51 min Scan# 2846
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion:276 Resp: 11190

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.4 | 22.5 | 33.7 |
| 277 | 24.0 | 19.9 | 29.9 |

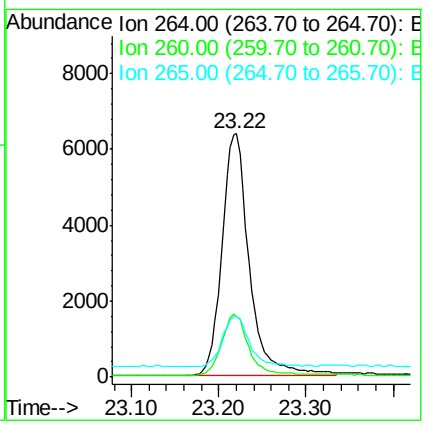


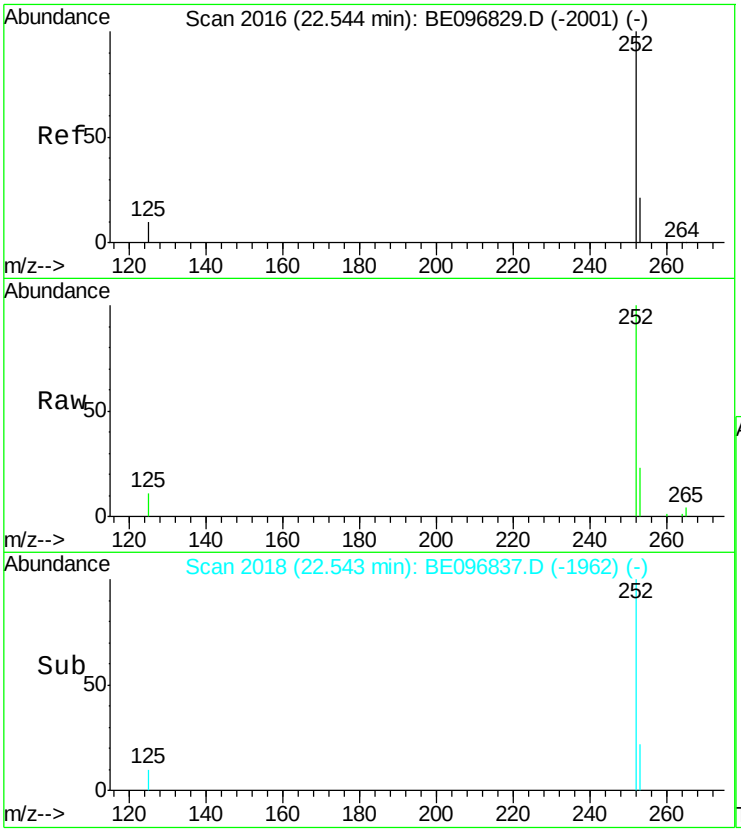




#34
Perylene-d12
Concen: 0.400 ng
RT: 23.22 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion:264 Resp: 13757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.8 | 20.5 | 30.7 |
| 265 | 24.8 | 22.8 | 34.2 |



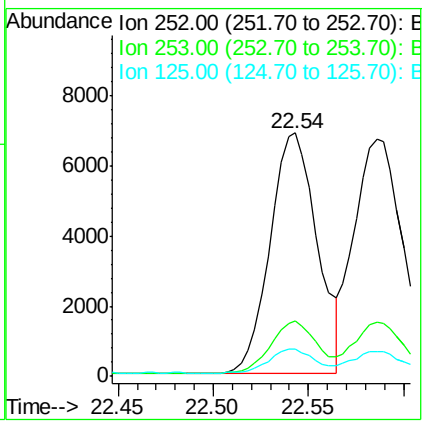


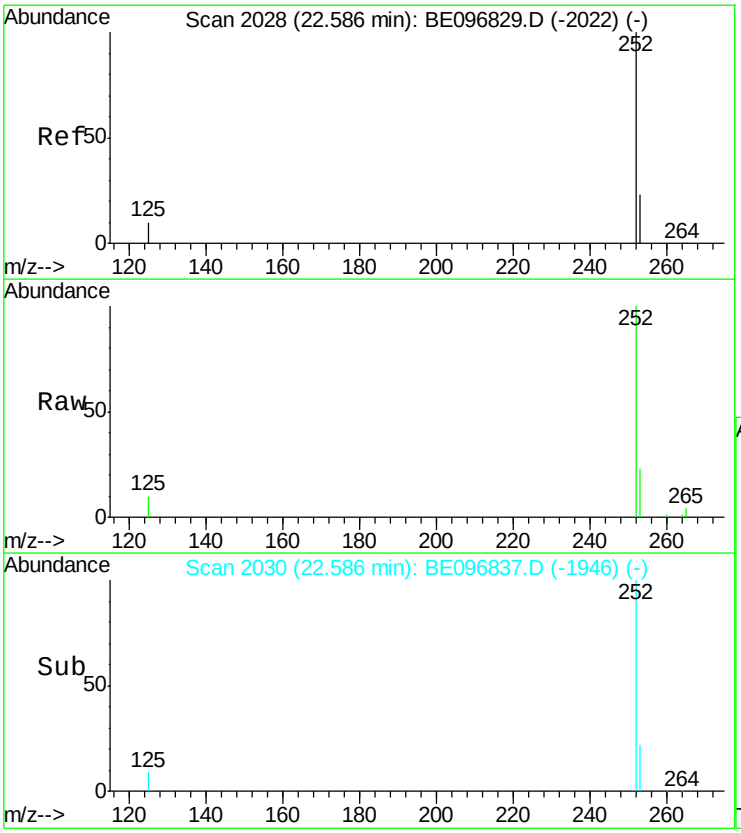

#35
Benzo(b)fluoranthene
Concen: 0.316 ng
RT: 22.54 min Scan# 2018
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion:252 Resp: 11861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 20.0 | 30.0 |
| 125 | 11.2 | 16.0 | 24.0# |

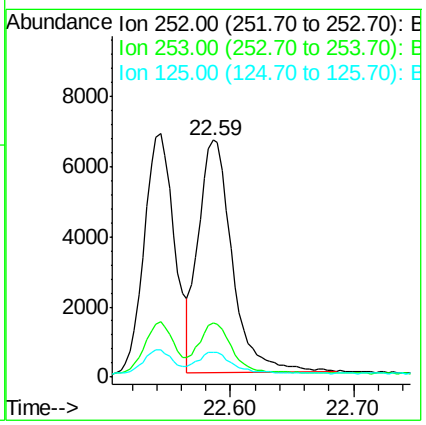


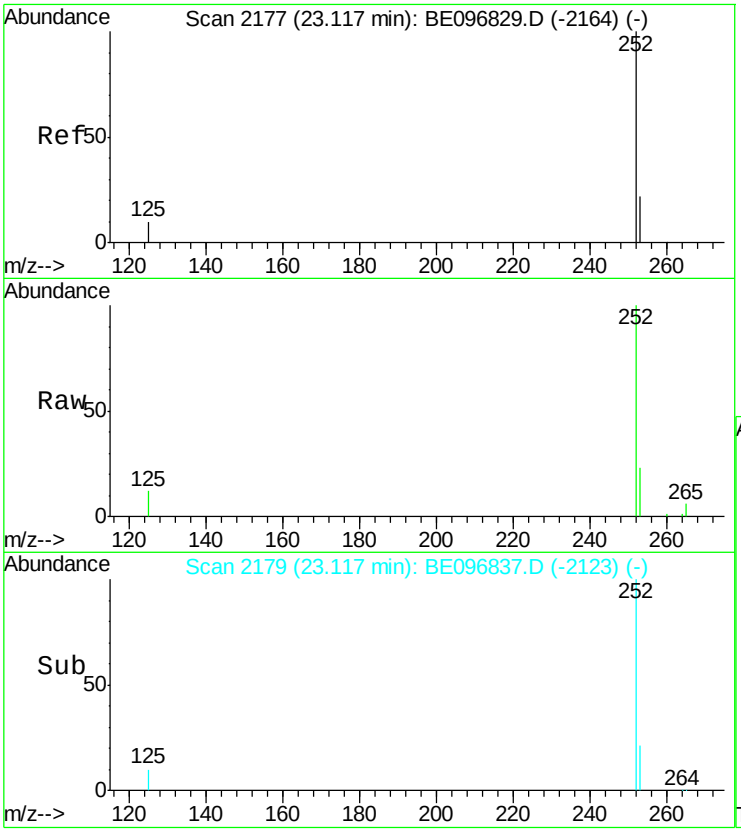




#36
Benzo(k)fluoranthene
Concen: 0.325 ng
RT: 22.59 min Scan# 2030
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion:252 Resp: 12710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 16.0 | 24.0 |
| 125 | 10.4 | 8.0 | 12.0 |



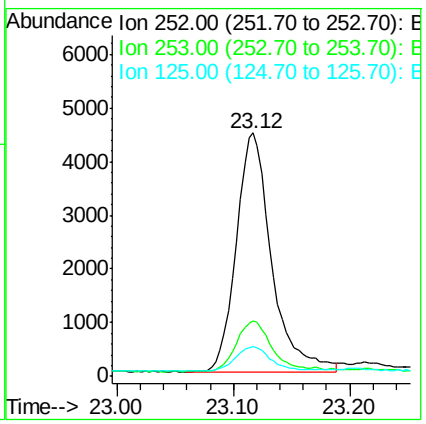


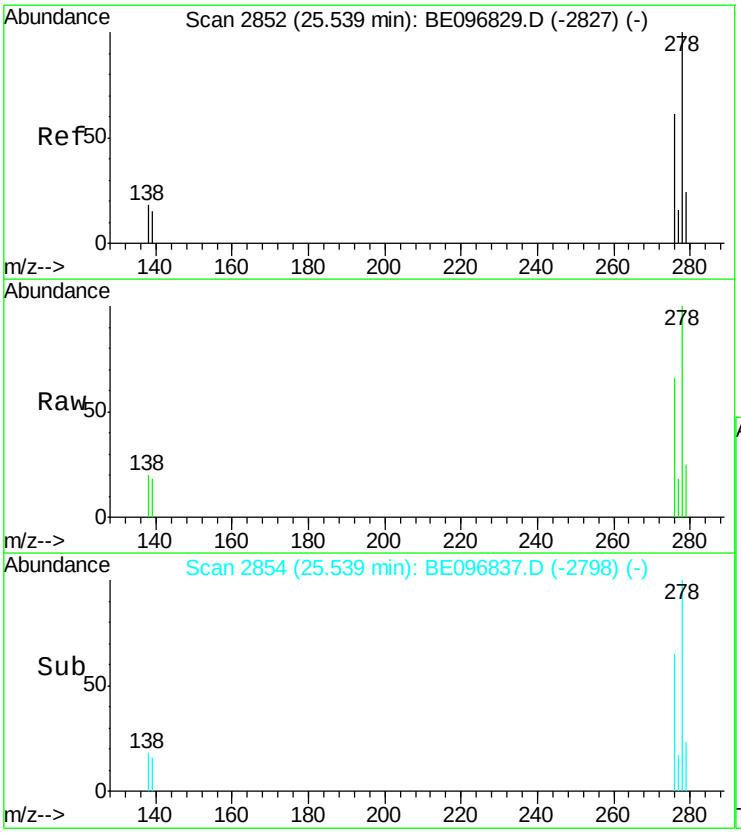

#37
Benzo(a)pyrene
Concen: 0.315 ng
RT: 23.12 min Scan# 2179
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion:252 Resp: 9405

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 16.0 | 24.0 |
| 125 | 12.4 | 12.0 | 18.0 |

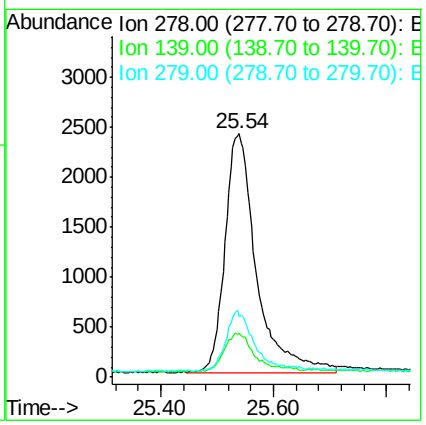


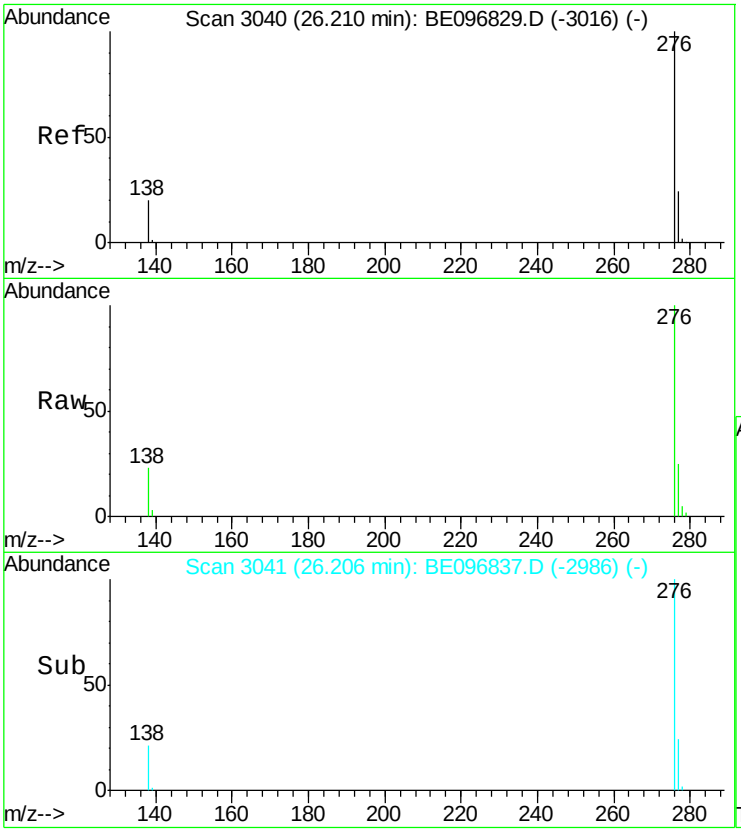




#38
Dibenzo(a,h)anthracene
Concen: 0.337 ng
RT: 25.54 min Scan# 2854
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

Tgt Ion:278 Resp: 9173

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.2 | 16.0 | 24.0 |
| 279 | 25.1 | 20.0 | 30.0 |






#39
Benzo(g,h,i)perylene
Concen: 0.313 ng
RT: 26.21 min Scan# 3041
Delta R.T. -0.00 min
Lab File: BE096837.D
Acq: 21 Jun 2018 10:07

**Instrument :**
BNA_E
**ClientSampleId :**
PB110435BS

Tgt Ion:276 Resp: 10426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.4 | 16.0 | 24.0# |
| 138 | 22.9 | 20.0 | 30.0 |