Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE052316\
Data File : BE091845.D
Acq On : 23 May 2016 13:44
Operator : UM/SJ
Sample : PB90761BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** PB90761BS

Quant Time: May 24 02:20:02 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 15:36:49 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.79 | 152 | 24252 | 5.00 | ng | | -0.02 |
| 7) Naphthalene-d8 | 10.55 | 136 | 120633 | 5.00 | ng | | -0.02 |
| 13) Acenaphthene-d10 | 14.41 | 164 | 84954 | 5.00 | ng | | -0.01 |
| 19) Phenanthrene-d10 | 17.14 | 188 | 254254 | 5.00 | ng | | -0.01 |
| 26) Chrysene-d12 | 21.29 | 240 | 329873 | 5.00 | ng | | -0.02 |
| 35) Perylene-d12 | 23.73 | 264 | 290631 | 5.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.39 | 112 | 40053 | 6.32 | ng | | 0.00 |
| 5) Phenol-d6 | 6.95 | 99 | 58806 | 6.59 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.93 | 82 | 29573 | 3.70 | ng | | -0.01 |
| 14) 2,4,6-Tribromophenol | 15.88 | 330 | 26874 | 8.15 | ng | | -0.01 |
| 15) 2-Fluorobiphenyl | 13.02 | 172 | 79356 | 3.30 | ng | | -0.01 |
| 29) Terphenyl-d14 | 19.74 | 244 | 170481 | 3.65 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.31 | 88 | 9651 | 3.64 | ng | | 99 |
| 3) n-Nitrosodimethylamine | 3.61 | 42 | 14593 | 3.77 | ng | # | 96 |
| 6) bis(2-Chloroethyl)ether | 7.20 | 93 | 25255 | 3.53 | ng | # | 77 |
| 9) Nitrobenzene | 8.97 | 77 | 30995 | 3.77 | ng | | 93 |
| 10) Naphthalene | 10.61 | 128 | 85000 | 3.18 | ng | | 97 |
| 11) Hexachlorobutadiene | 10.90 | 225 | 14313 | 3.62 | ng | | 96 |
| 12) 2-Methylnaphthalene | 12.21 | 142 | 64701 | 3.60 | ng | | 98 |
| 16) Acenaphthylene | 14.11 | 152 | 128246 | 3.39 | ng | # | 86 |
| 17) Acenaphthene | 14.46 | 154 | 72404 | 3.18 | ng | | 89 |
| 18) Fluorene | 15.43 | 166 | 101320 | 3.43 | ng | | 98 |
| 20) 4-Bromophenyl-phenylether | 16.31 | 248 | 30465 | 3.20 | ng | | 94 |
| 21) Hexachlorobenzene | 16.45 | 284 | 30541 | 3.09 | ng | | 98 |
| 22) Pentachlorophenol | 16.79 | 266 | 25601 | 6.26 | ng | # | 89 |
| 23) Phenanthrene | 17.17 | 178 | 189449 | 3.77 | ng | | 97 |
| 24) Anthracene | 17.26 | 178 | 187827 | 3.40 | ng | | 99 |
| 25) Fluoranthene | 19.19 | 202 | 238047 | 3.52 | ng | | 97 |
| 27) Benzidine | 19.36 | 184 | 125215 | 4.20 | ng | # | 75 |
| 28) Pyrene | 19.53 | 202 | 243701 | 3.37 | ng | | 98 |
| 30) Benzo(a)anthracene | 21.27 | 228 | 521020 | 6.55 | ng | | 95 |
| 31) 3,3'-Dichlorobenzidine | 21.22 | 252 | 75147 | 1.48 | ng | # | 79 |
| 32) Chrysene | 21.27 | 228 | 522641 | 7.63 | ng | | 97 |
| 33) Bis(2-ethylhexyl)phthalate | 21.20 | 149 | 130178 | 2.97 | ng | # | 82 |
| 34) Indeno(1,2,3-cd)pyrene | 26.27 | 276 | 299199 | 3.67 | ng | | 95 |
| 36) Benzo(b)fluoranthene | 22.97 | 252 | 278056 | 3.82 | ng | # | 96 |
| 37) Benzo(k)fluoranthene | 23.02 | 252 | 260598 | 3.50 | ng | # | 97 |
| 38) Benzo(a)pyrene | 23.61 | 252 | 260219 | 3.75 | ng | # | 97 |
| 39) Dibenzo(a,h)anthracene | 26.29 | 278 | 249301 | 3.68 | ng | # | 95 |
| 40) Benzo(g,h,i)perylene | 27.06 | 276 | 251680 | 3.60 | ng | # | 94 |

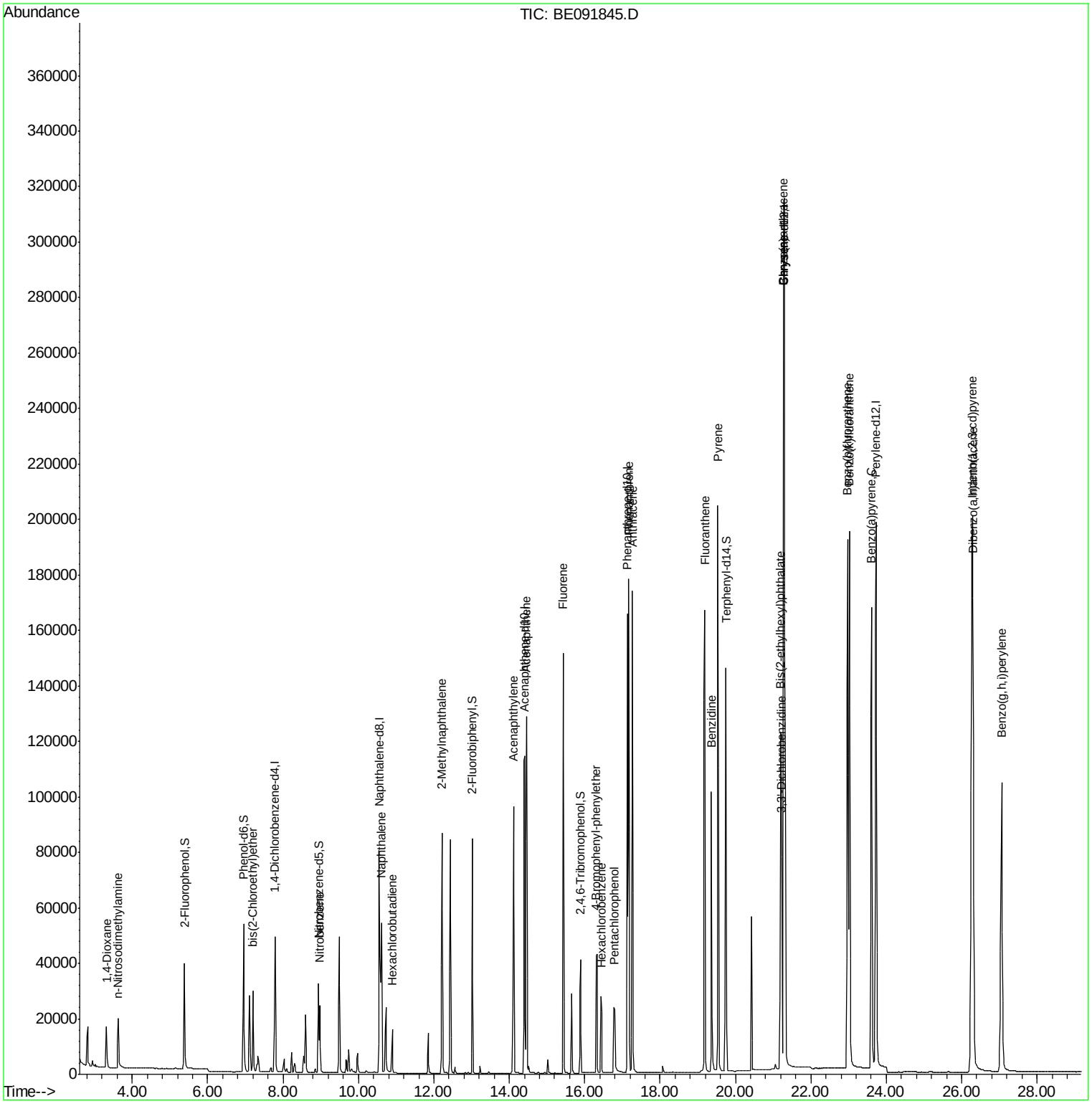
(#) = qualifier out of range (m) = manual integration (+) = signals summed

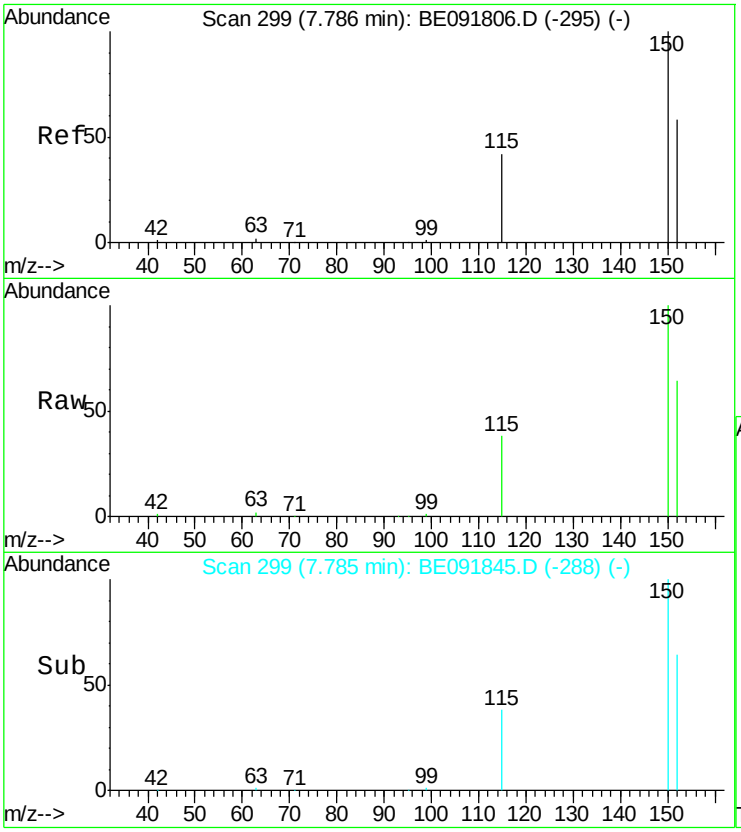
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE052316\
Data File : BE091845.D
Acq On : 23 May 2016 13:44
Operator : UM/SJ
Sample : PB90761BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Quant Time: May 24 02:20:02 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 19 15:36:49 2016
Response via : Initial Calibration



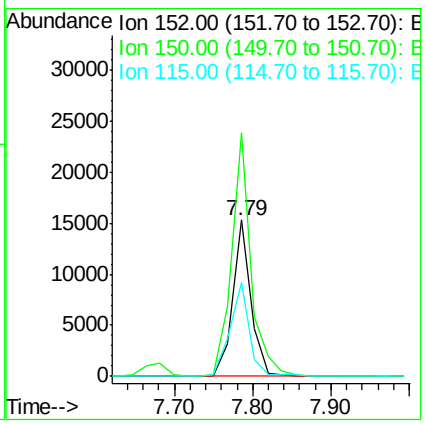


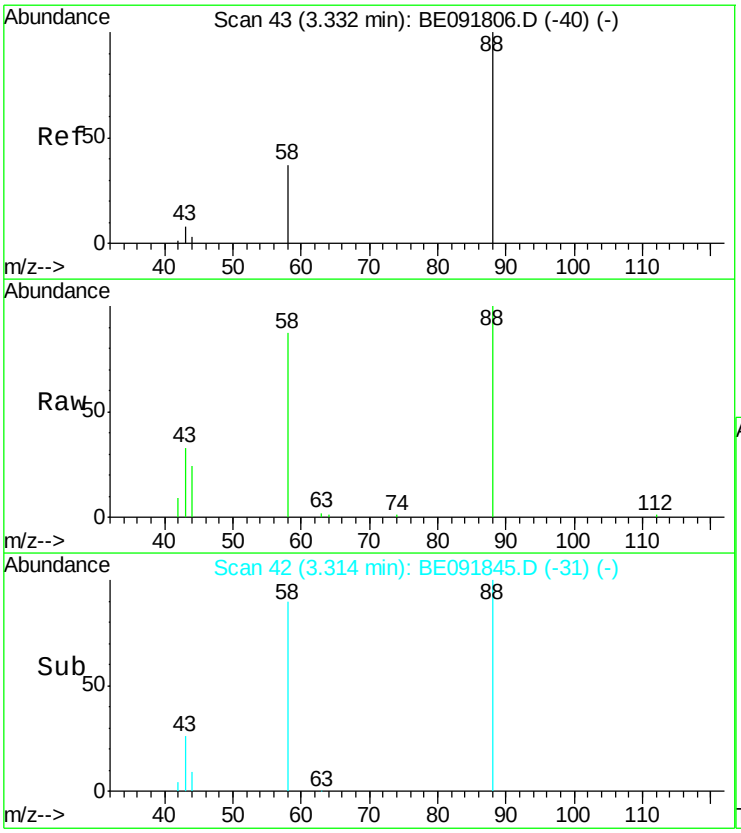

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.79 min Scan# 299
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion:152 Resp: 24252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.7 | 122.6 | 183.8 |
| 115 | 59.9 | 52.8 | 79.2 |

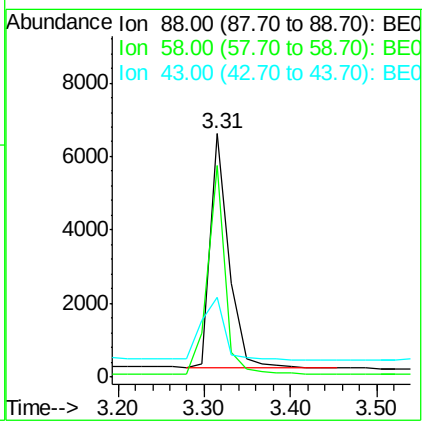


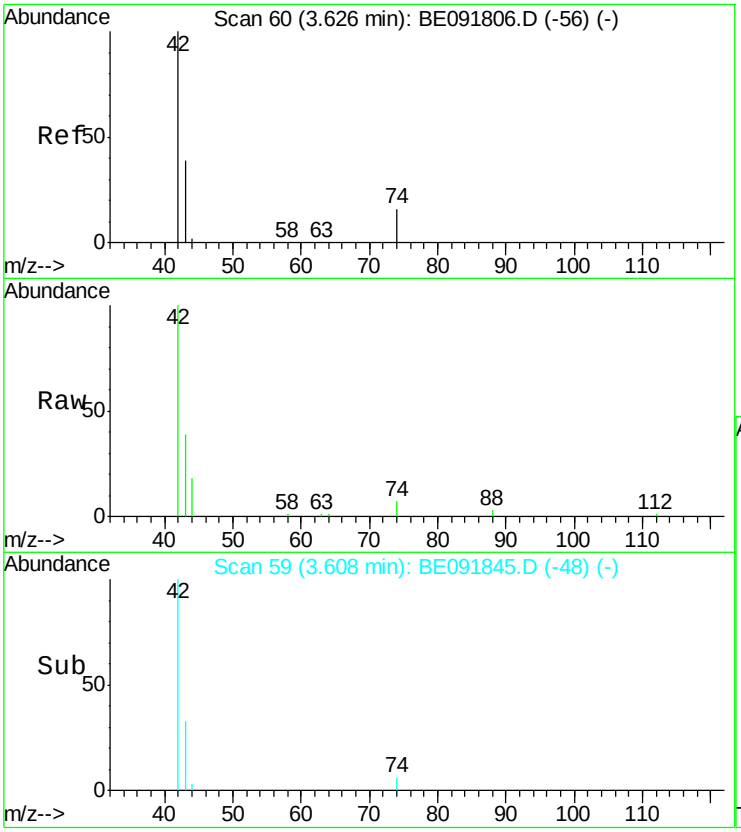




#2
1,4-Dioxane
Concen: 3.64 ng
RT: 3.31 min Scan# 42
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion: 88 Resp: 9651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 82.6 | 65.8 | 98.6 |
| 43 | 33.3 | 25.3 | 37.9 |



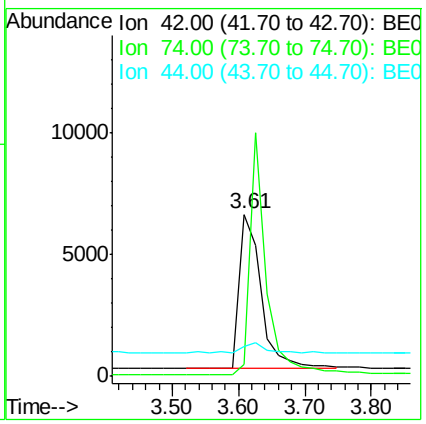


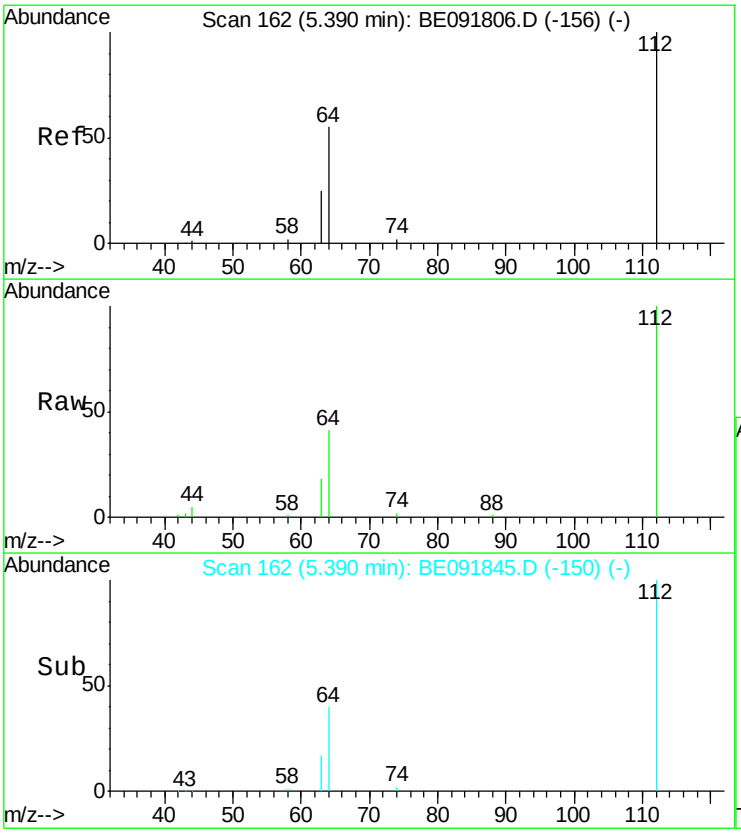

#3
n-Nitrosodimethylamine
Concen: 3.77 ng
RT: 3.61 min Scan# 59
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion: 42 Resp: 14593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 113.7 | 87.9 | 131.9 |
| 44 | 6.1 | 6.6 | 9.8# |

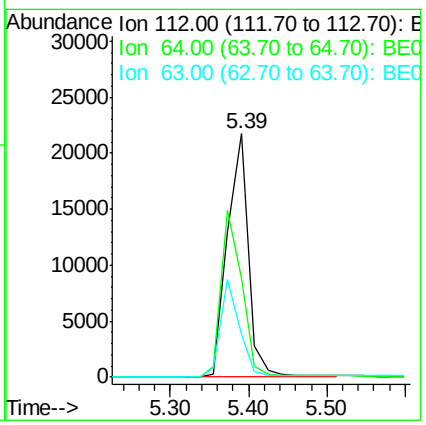


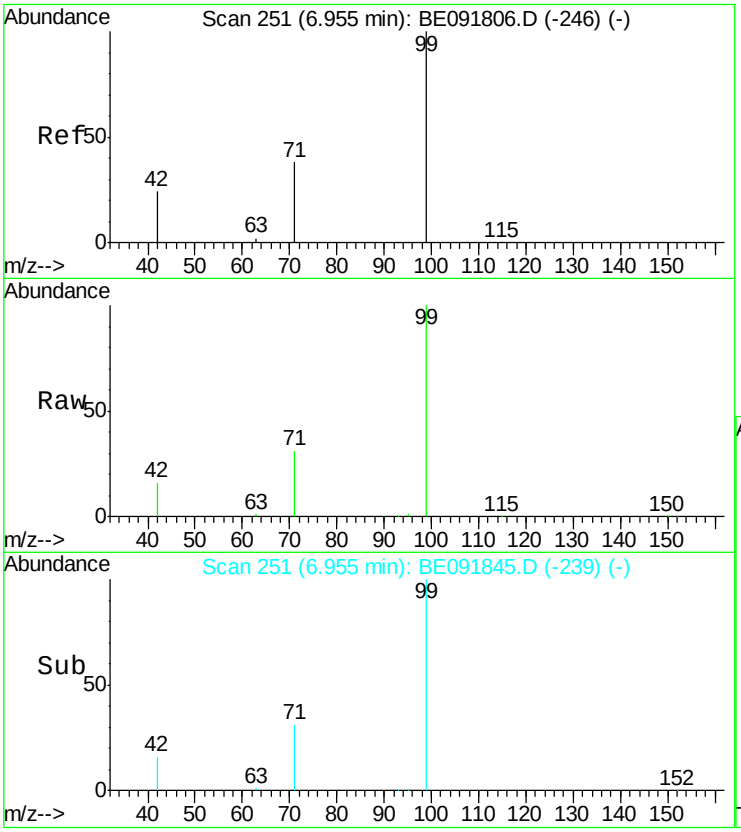




#4
2-Fluorophenol
Concen: 6.32 ng
RT: 5.39 min Scan# 162
Delta R.T. 0.00 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion:112 Resp: 40053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.1 | 30.9 | 46.3# |
| 63 | 35.9 | 16.7 | 25.1# |



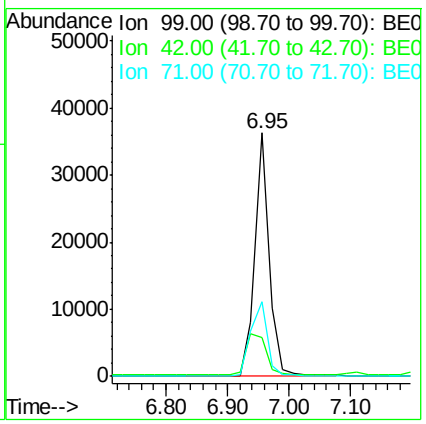


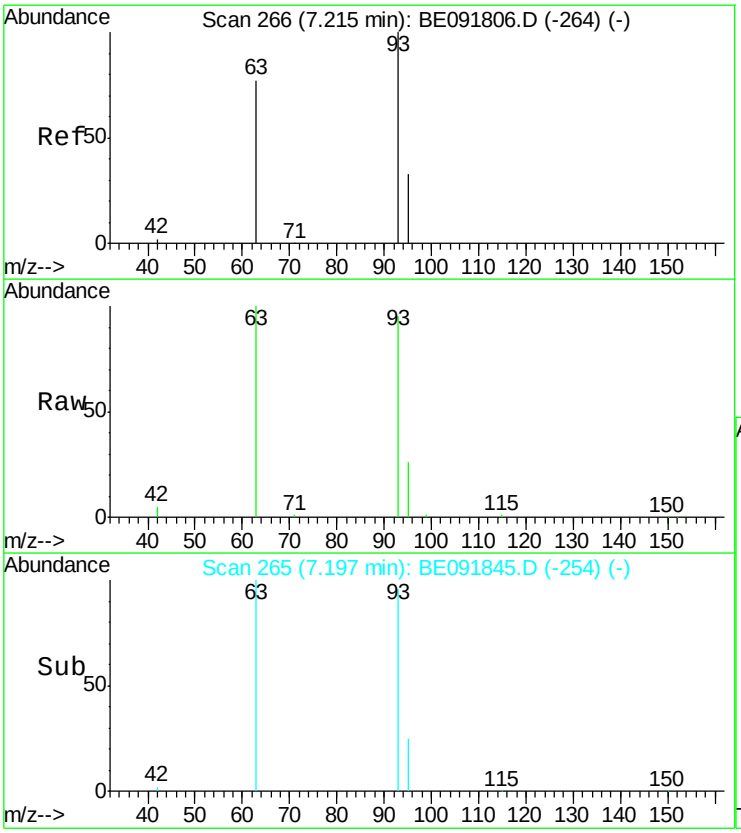

#5
Phenol-d6
Concen: 6.59 ng
RT: 6.95 min Scan# 251
Delta R.T. 0.00 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion: 99 Resp: 58806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.6 | 16.2 | 24.2 |
| 71 | 35.3 | 29.0 | 43.4 |

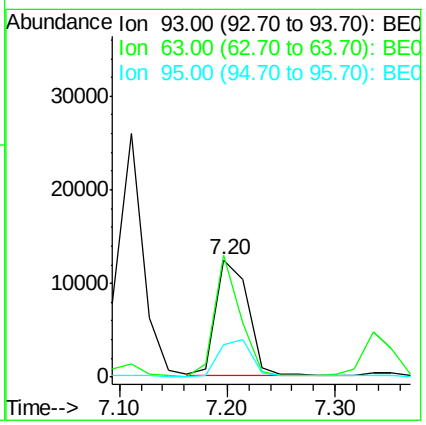


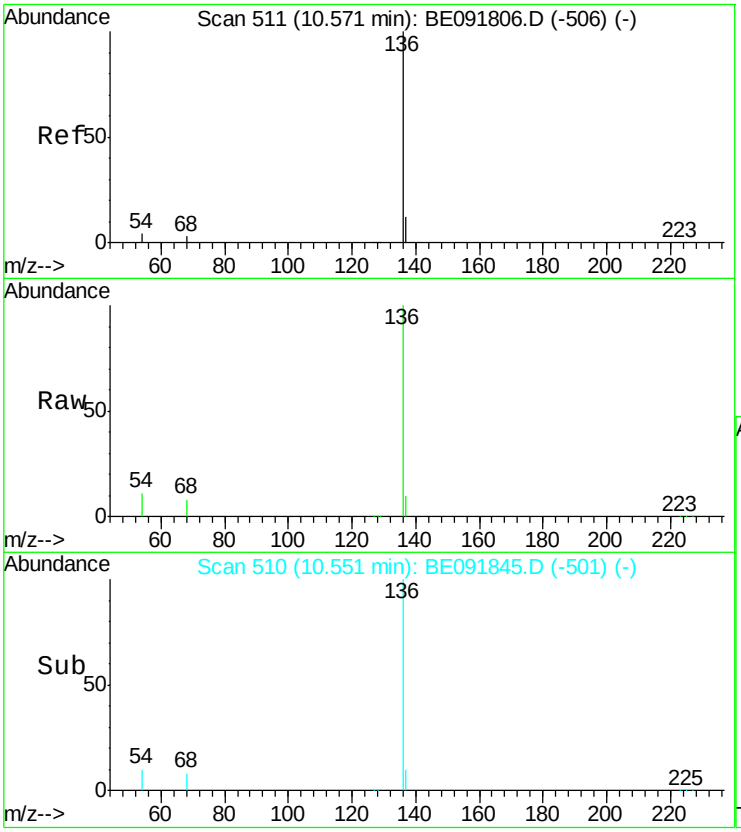




#6
bis(2-Chloroethyl)ether
Concen: 3.53 ng
RT: 7.20 min Scan# 265
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion: 93 Resp: 25255

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 84.5 | 49.5 | 74.3# |
| 95 | 32.1 | 22.2 | 33.4 |



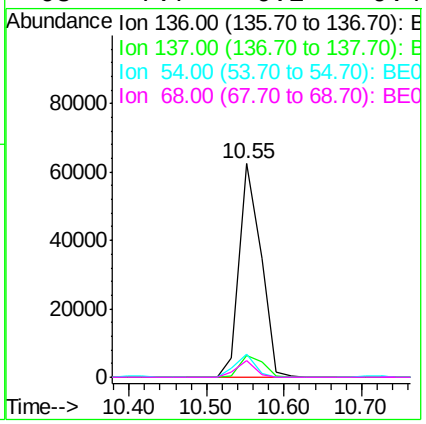


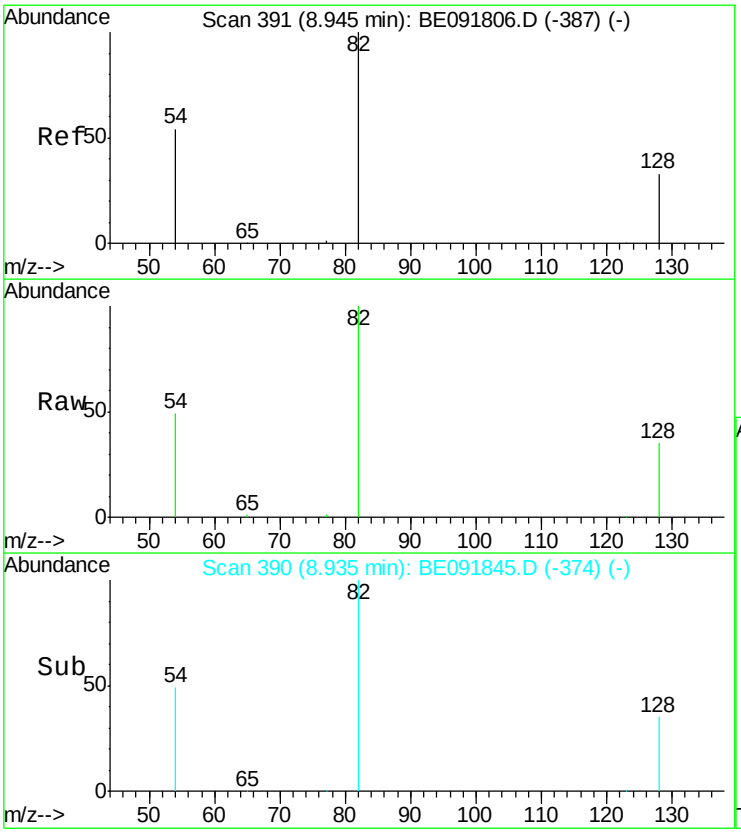

#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.55 min Scan# 510
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion:136 Resp: 120633

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.3 | 8.9 | 13.3 |
| 54 | 10.6 | 8.2 | 12.4 |
| 68 | 7.7 | 6.2 | 9.4 |

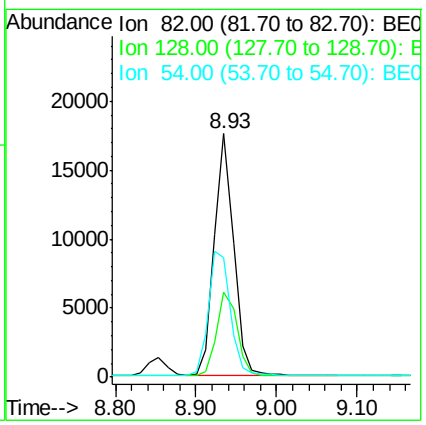


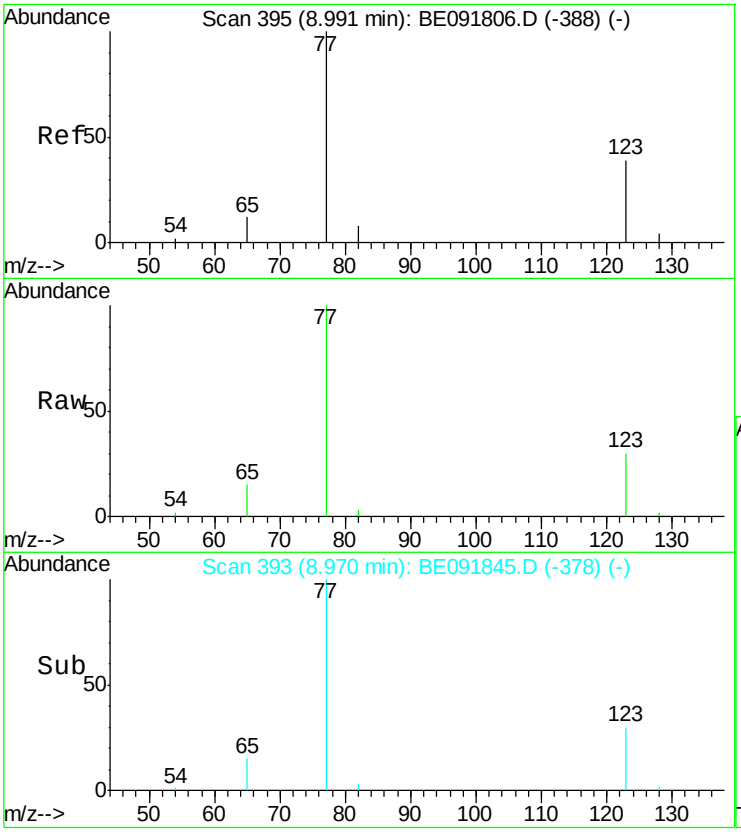




#8
Nitrobenzene-d5
Concen: 3.70 ng
RT: 8.93 min Scan# 390
Delta R.T. -0.01 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion: 82 Resp: 29573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 35.0 | 25.4 | 38.0 |
| 54 | 49.2 | 48.4 | 72.6 |



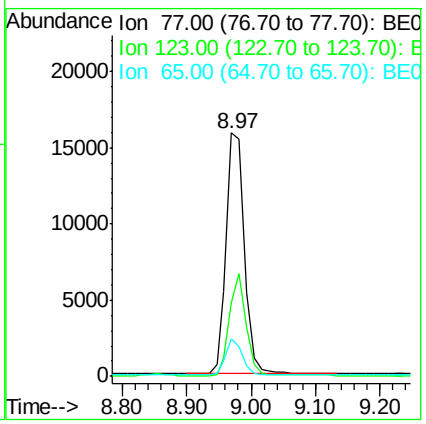


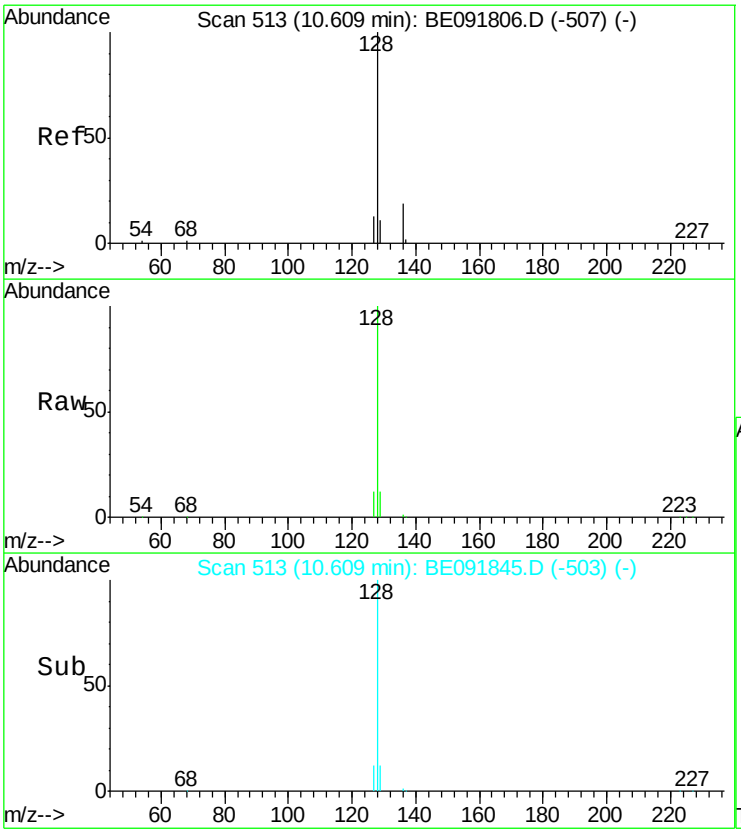

#9
Nitrobenzene
Concen: 3.77 ng
RT: 8.97 min Scan# 393
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion: 77 Resp: 30995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 37.9 | 26.9 | 40.3 |
| 65 | 13.9 | 9.4 | 14.2 |

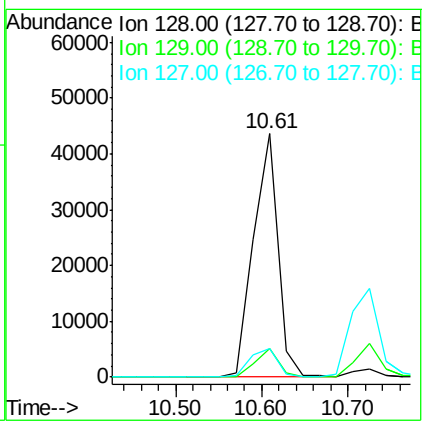


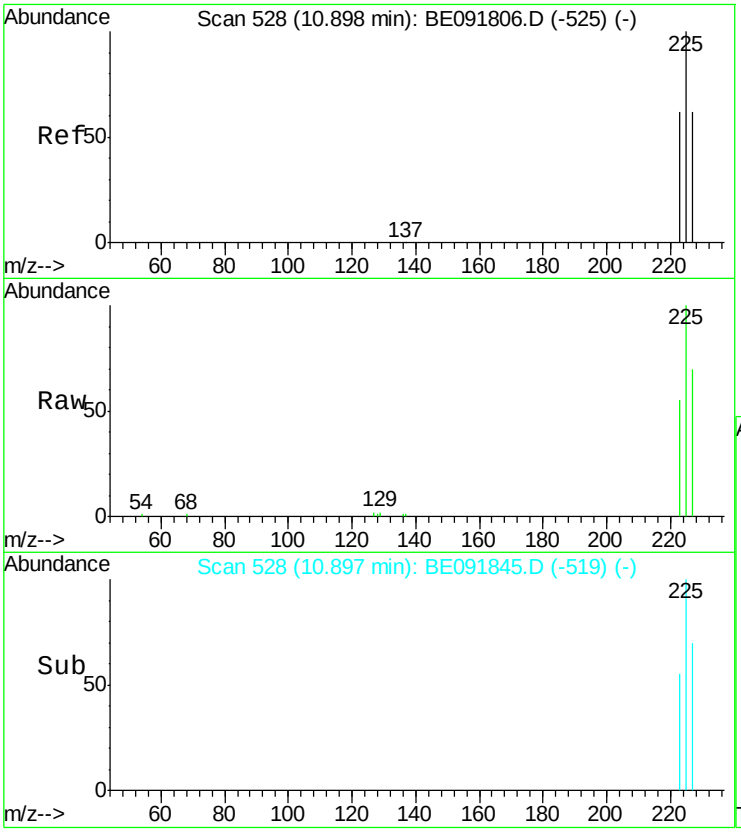




#10
Naphthalene
Concen: 3.18 ng
RT: 10.61 min Scan# 513
Delta R.T. -0.00 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion:128 Resp: 85000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.9 | 9.3 | 13.9 |
| 127 | 11.8 | 10.7 | 16.1 |



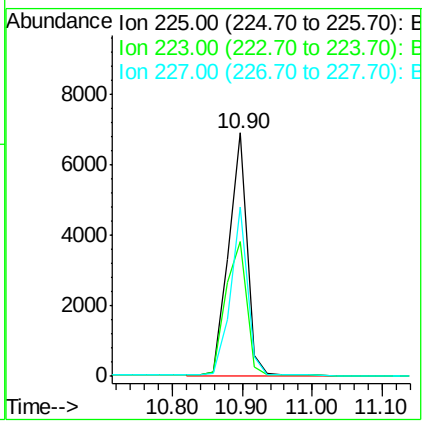


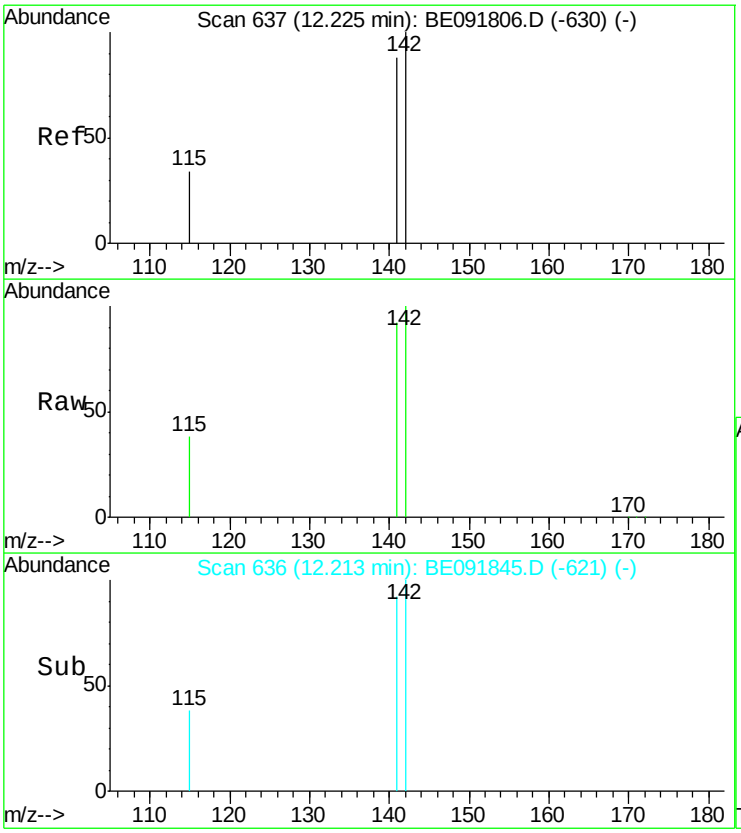

#11
Hexachlorobutadiene
Concen: 3.62 ng
RT: 10.90 min Scan# 528
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion:225 Resp: 14313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 64.1 | 49.0 | 73.6 |
| 227 | 65.9 | 50.3 | 75.5 |

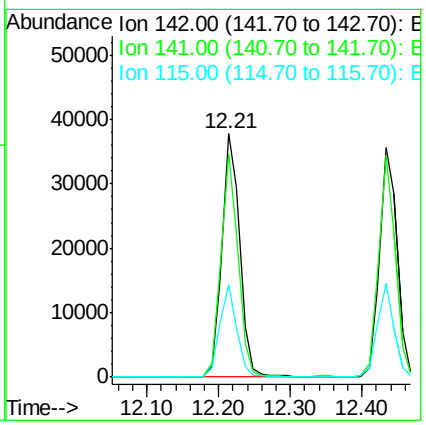


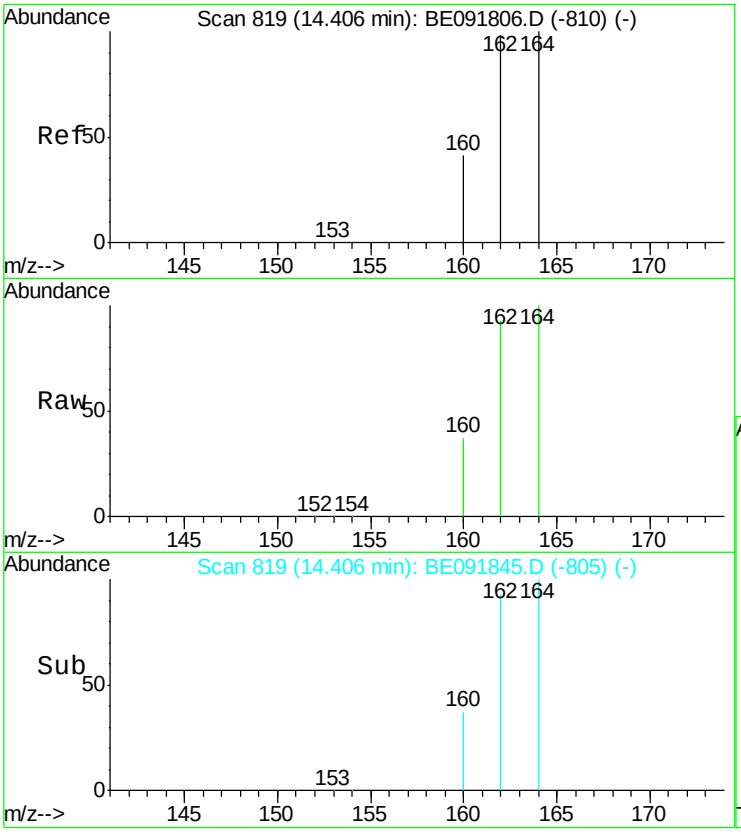




#12
2-Methylnaphthalene
Concen: 3.60 ng
RT: 12.21 min Scan# 636
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion:142 Resp: 64701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.8 | 71.4 | 107.0 |
| 115 | 38.0 | 30.3 | 45.5 |



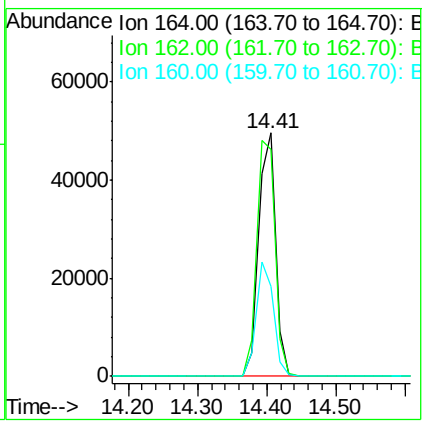


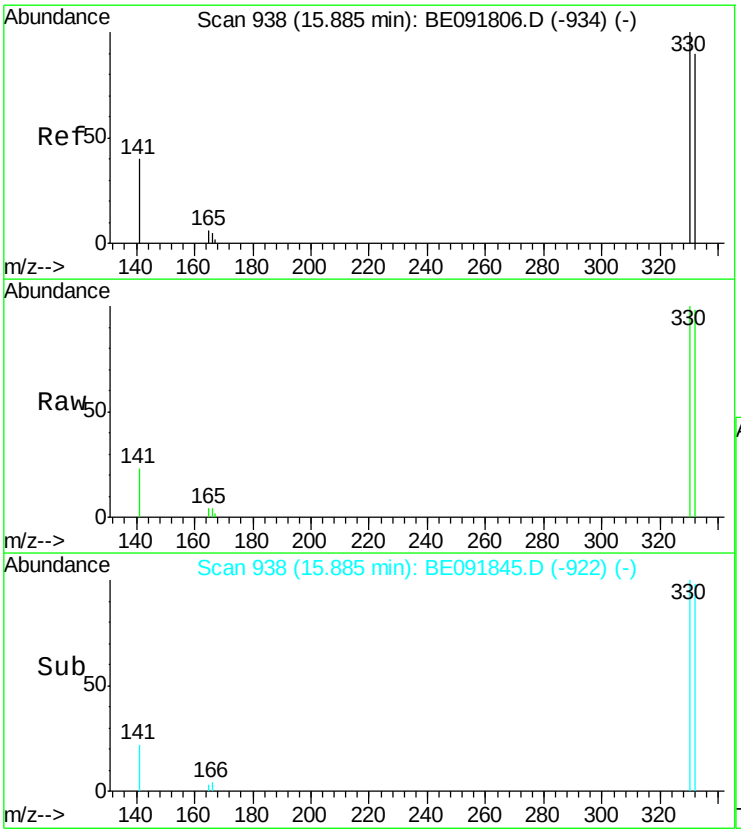

#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.41 min Scan# 819
Delta R.T. -0.01 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion:164 Resp: 84954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 93.4 | 85.3 | 127.9 |
| 160 | 37.0 | 46.2 | 69.2# |

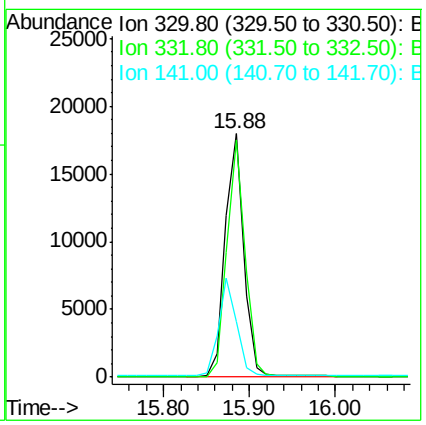


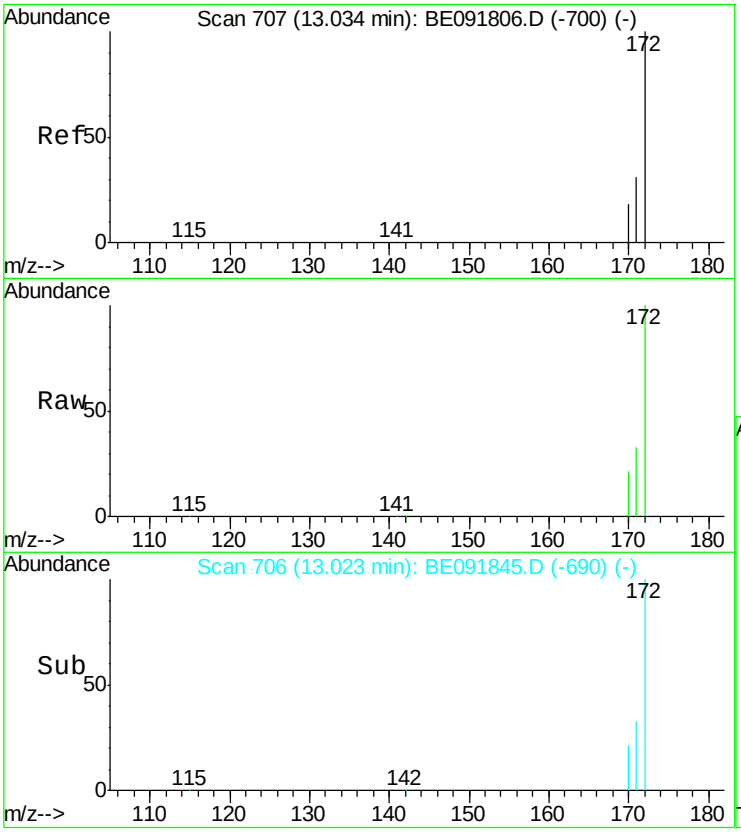




#14
2,4,6-Tribromophenol
Concen: 8.15 ng
RT: 15.88 min Scan# 938
Delta R.T. -0.01 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion:330 Resp: 26874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.2 | 79.1 | 118.7 |
| 141 | 39.8 | 125.4 | 188.0# |



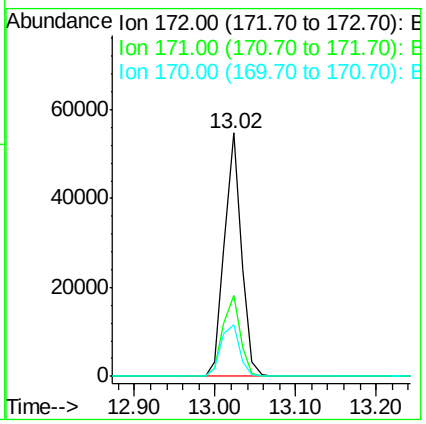


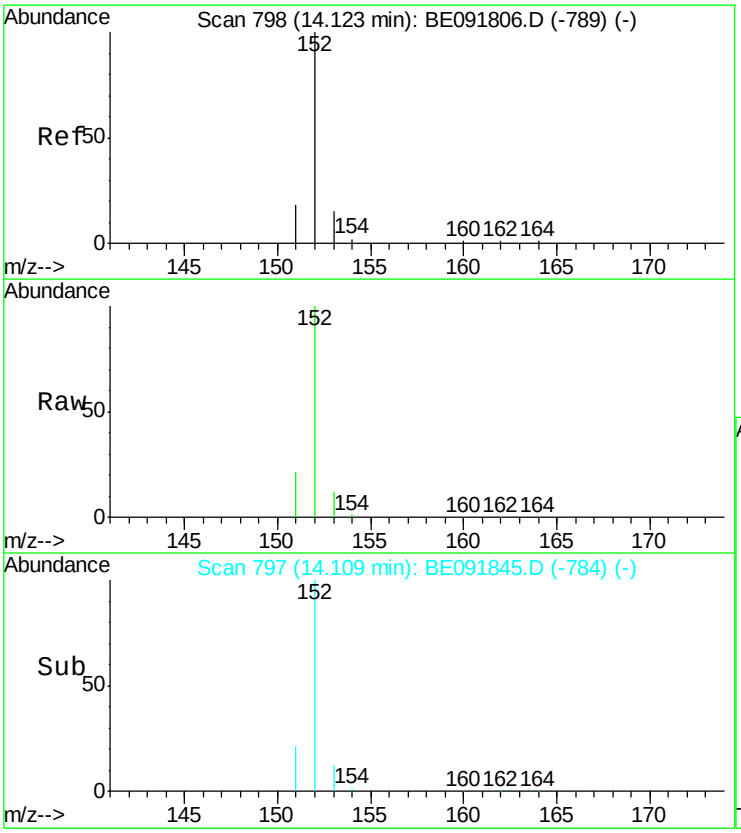

#15
2-Fluorobiphenyl
Concen: 3.30 ng
RT: 13.02 min Scan# 706
Delta R.T. -0.01 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion:172 Resp: 79356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.3 | 28.8 | 43.2 |
| 170 | 21.1 | 19.3 | 28.9 |

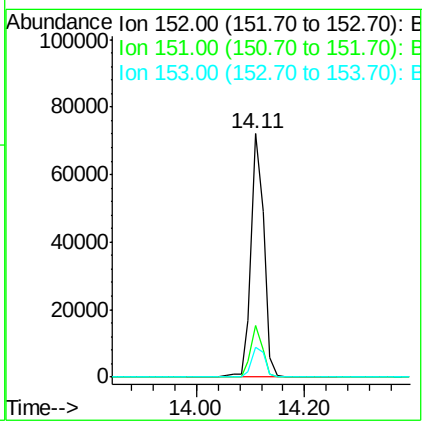


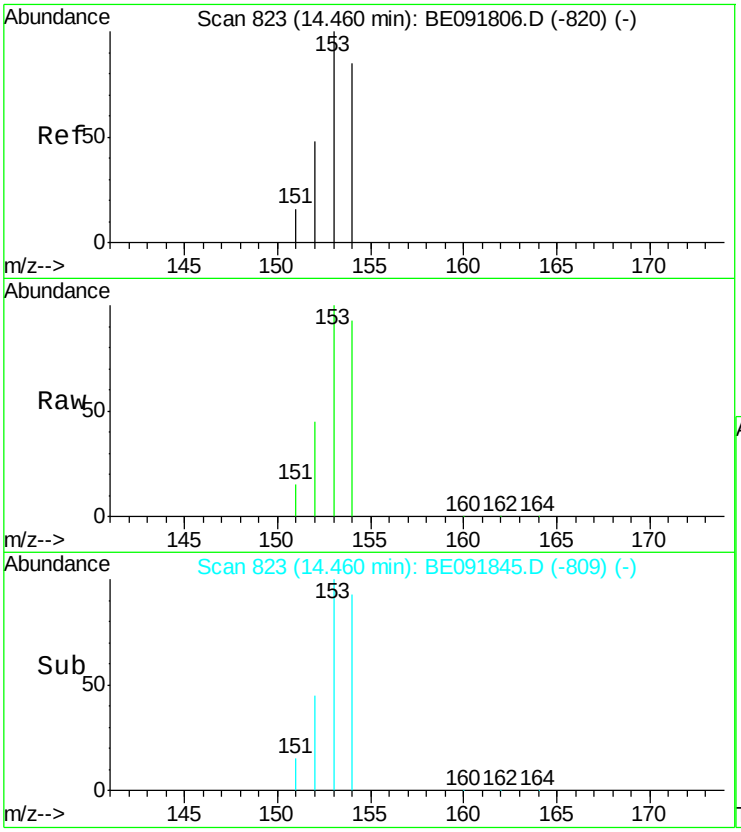




#16
Acenaphthylene
Concen: 3.39 ng
RT: 14.11 min Scan# 797
Delta R.T. -0.01 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion:152 Resp: 128246

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 3.9 | 5.9# |
| 153 | 13.6 | 10.3 | 15.5 |



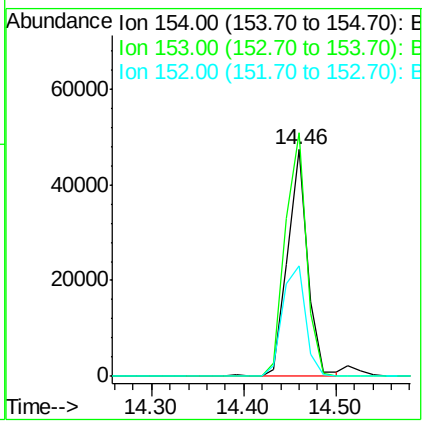


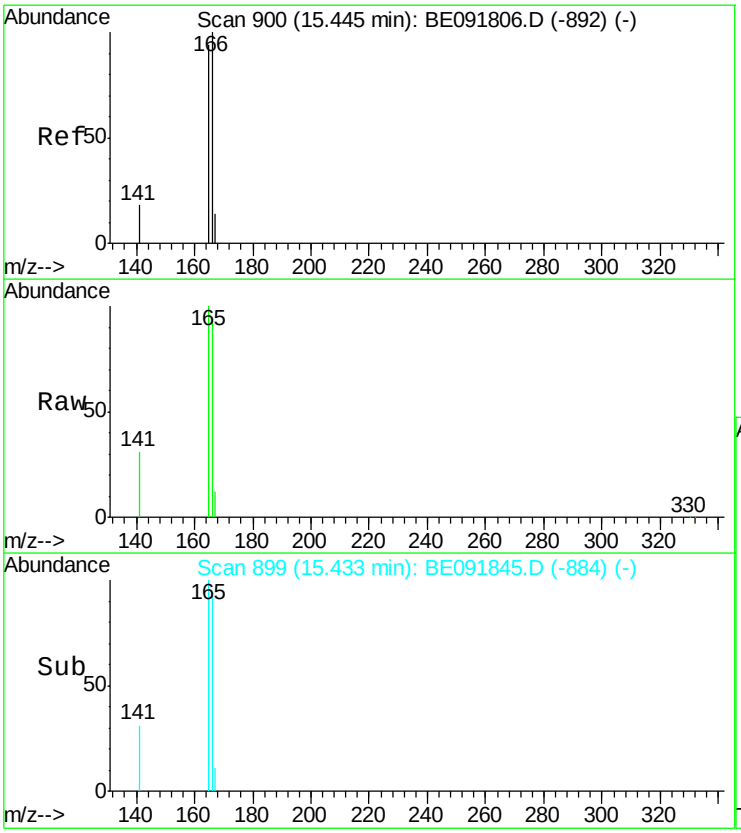

#17
Acenaphthene
Concen: 3.18 ng
RT: 14.46 min Scan# 823
Delta R.T. -0.01 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion:154 Resp: 72404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.0 | 80.0 | 120.0 |
| 152 | 55.1 | 40.0 | 60.0 |

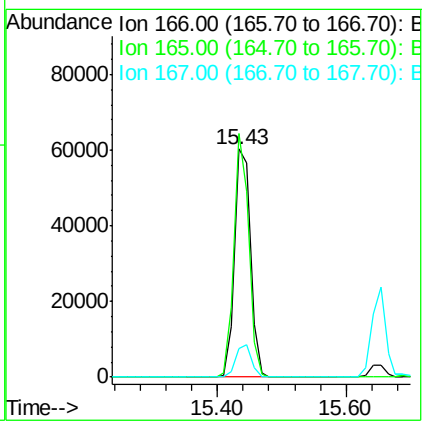


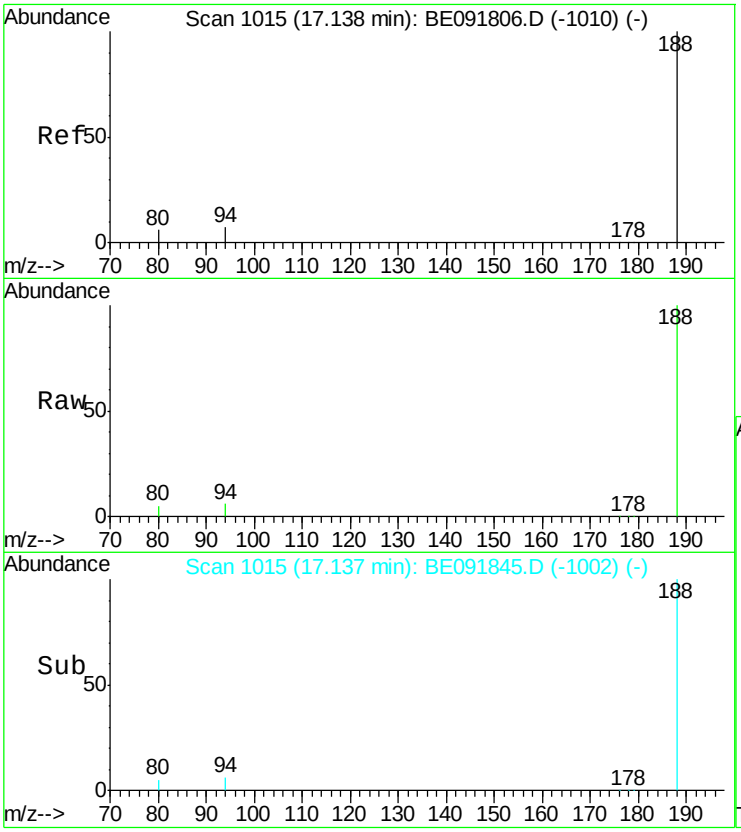




#18
Fluorene
Concen: 3.43 ng
RT: 15.43 min Scan# 899
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion:166 Resp: 101320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.3 | 80.8 | 121.2 |
| 167 | 13.5 | 10.9 | 16.3 |



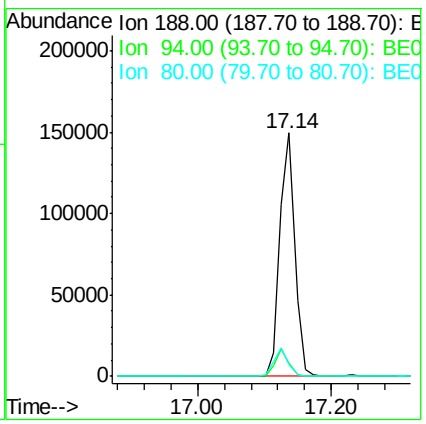


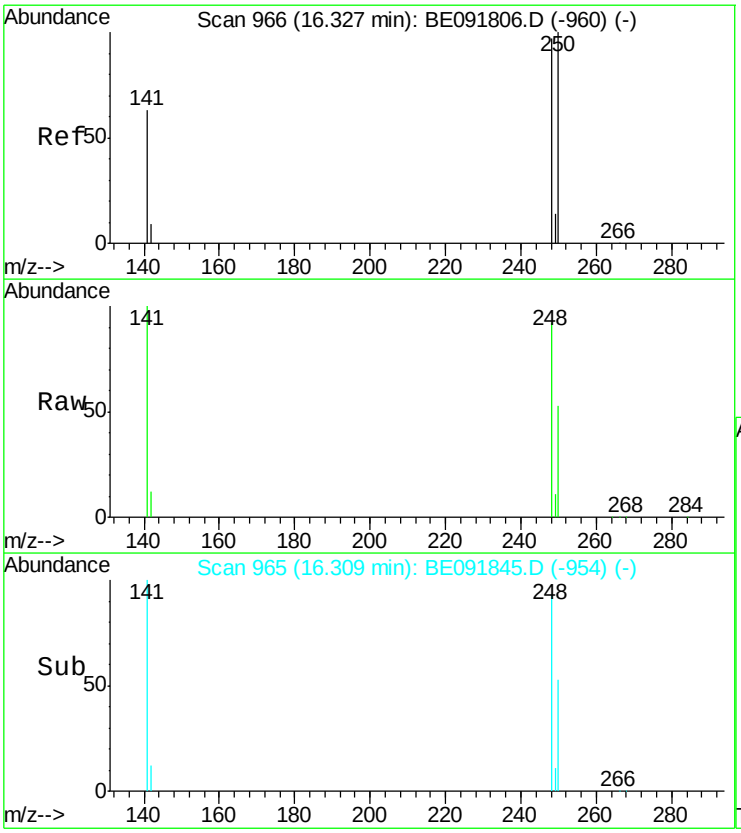

#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.14 min Scan# 1015
Delta R.T. -0.01 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion:188 Resp: 254254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.6 | 8.7 | 13.1# |
| 80 | 4.9 | 9.4 | 14.0# |

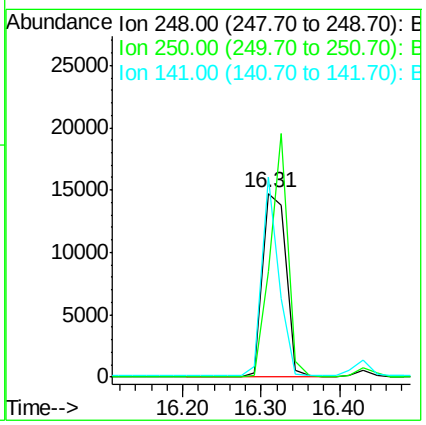


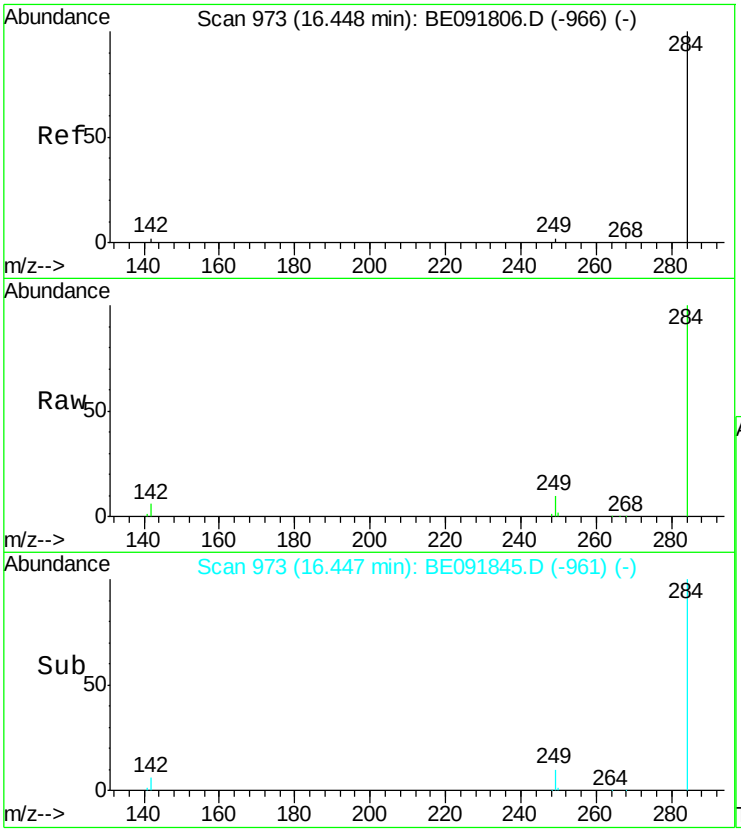




#20
4-Bromophenyl-phenylether
Concen: 3.20 ng
RT: 16.31 min Scan# 965
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion:248 Resp: 30465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 99.7 | 80.5 | 120.7 |
| 141 | 78.8 | 72.0 | 108.0 |



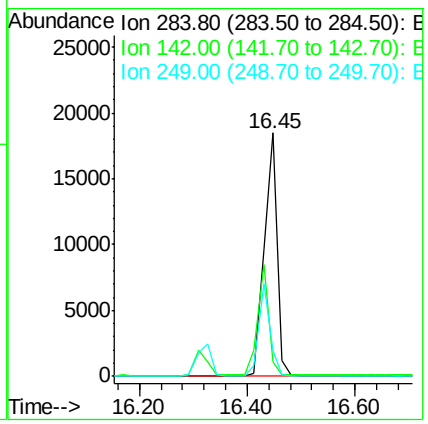


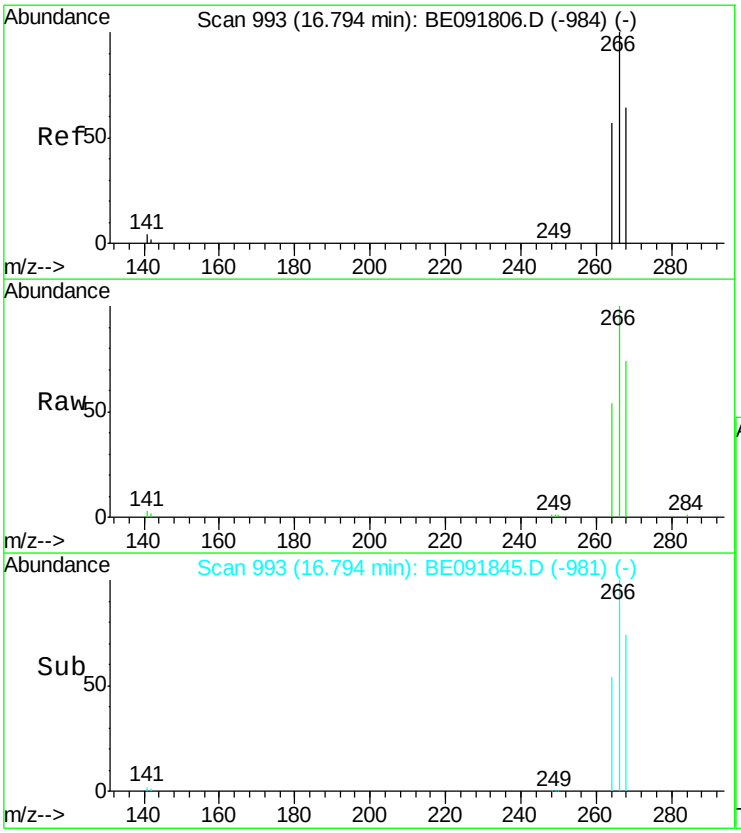

#21
Hexachlorobenzene
Concen: 3.09 ng
RT: 16.45 min Scan# 973
Delta R.T. 0.00 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion:284 Resp: 30541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 39.0 | 32.2 | 48.2 |
| 249 | 32.7 | 25.4 | 38.2 |

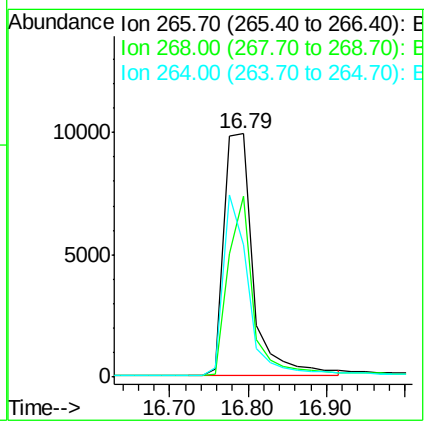


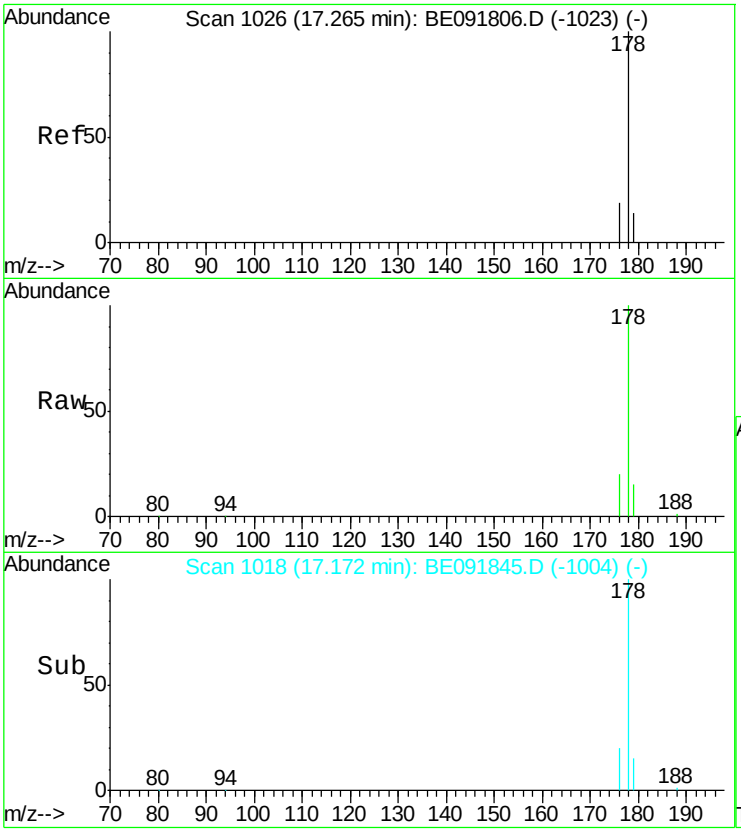




#22
Pentachlorophenol
Concen: 6.26 ng
RT: 16.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion:266 Resp: 25601

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 74.5 | 58.2 | 87.2 |
| 264 | 54.2 | 56.2 | 84.4# |



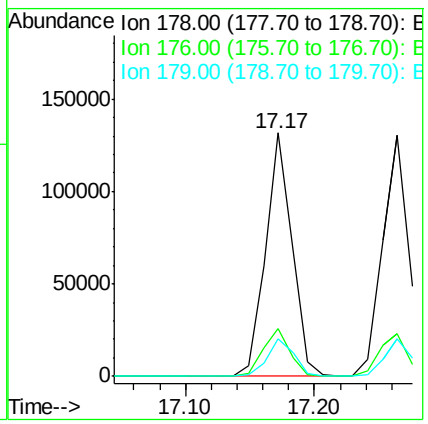


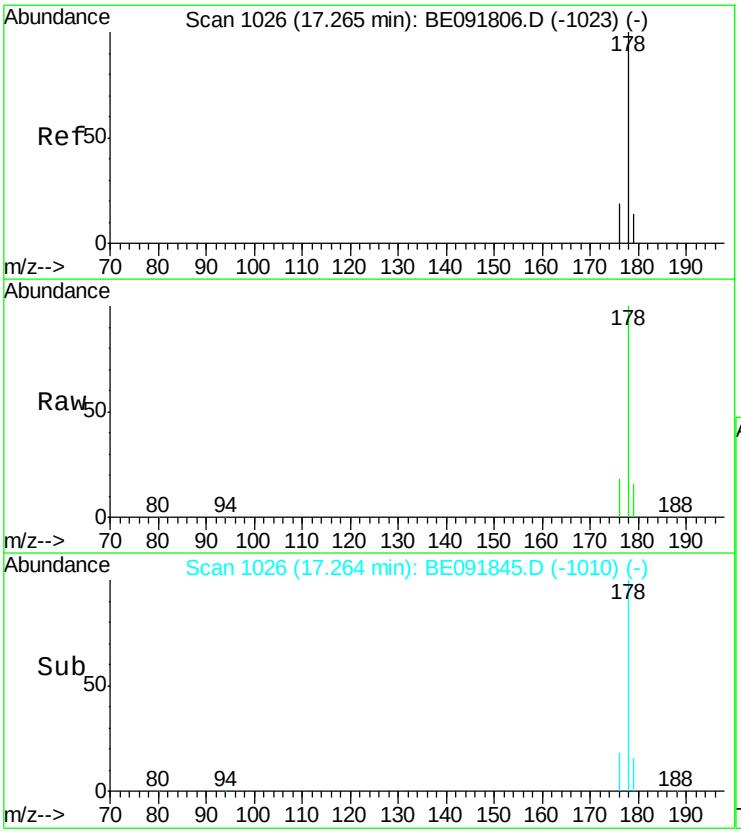

#23
Phenanthrene
Concen: 3.77 ng
RT: 17.17 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion:178 Resp: 189449

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 15.3 | 22.9 |
| 179 | 17.7 | 12.6 | 18.8 |

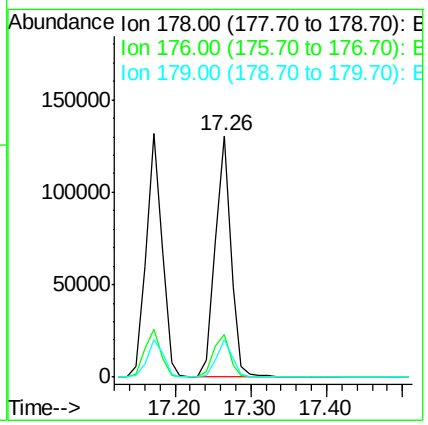


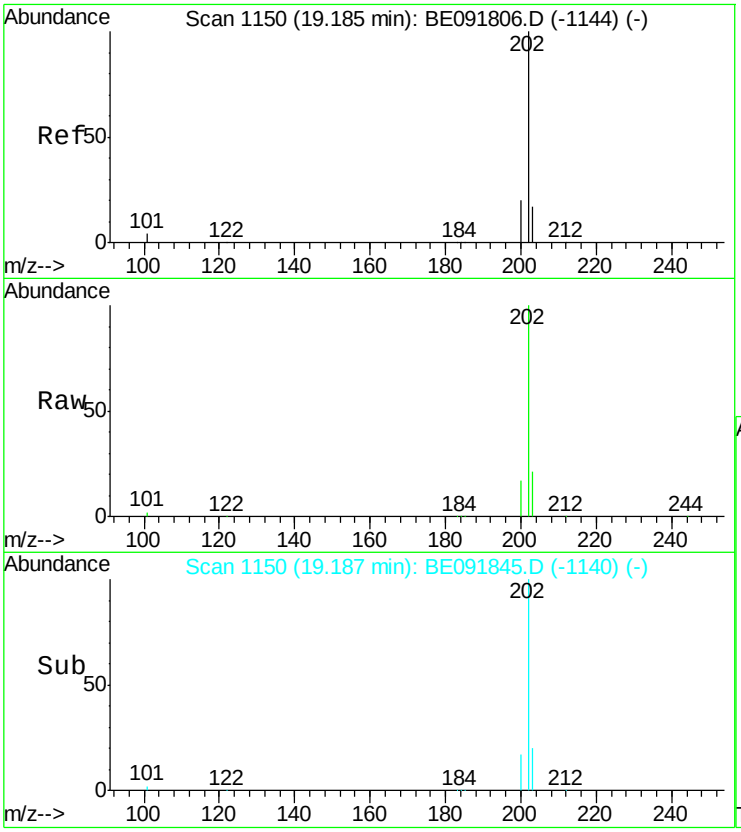




#24
Anthracene
Concen: 3.40 ng
RT: 17.26 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion:178 Resp: 187827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 14.6 | 21.8 |
| 179 | 15.3 | 11.8 | 17.6 |



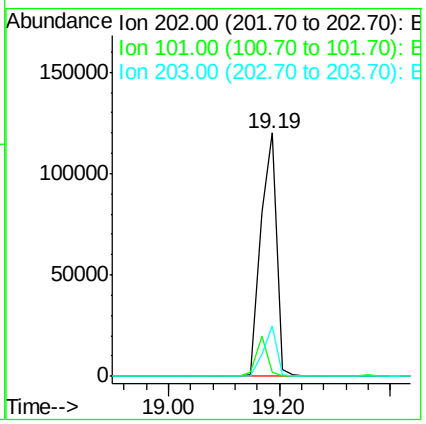


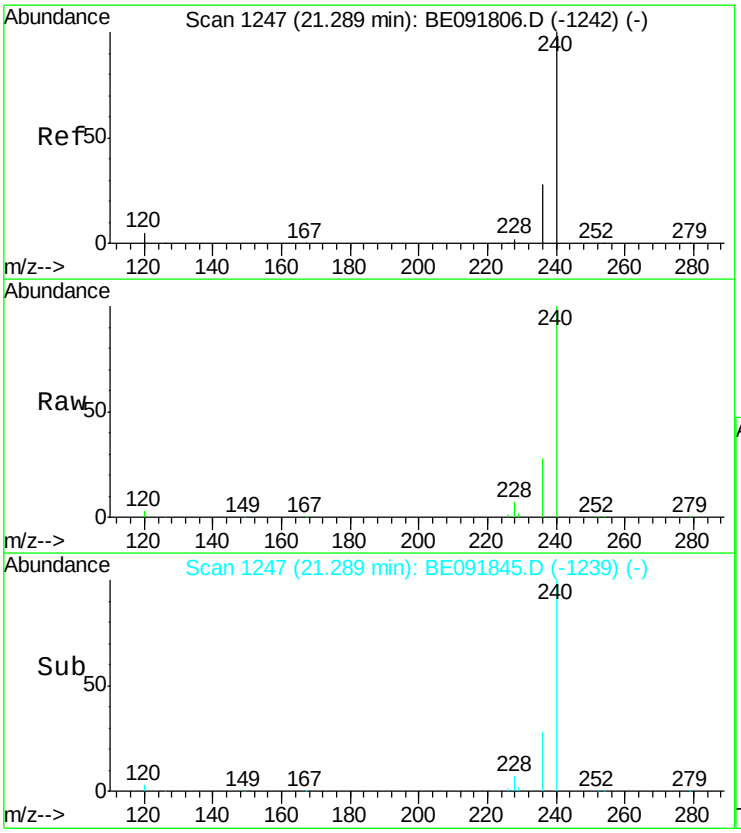

#25
Fluoranthene
Concen: 3.52 ng
RT: 19.19 min Scan# 1150
Delta R.T. -0.00 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion:202 Resp: 238047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.7 | 11.0 | 16.6 |
| 203 | 18.1 | 13.9 | 20.9 |

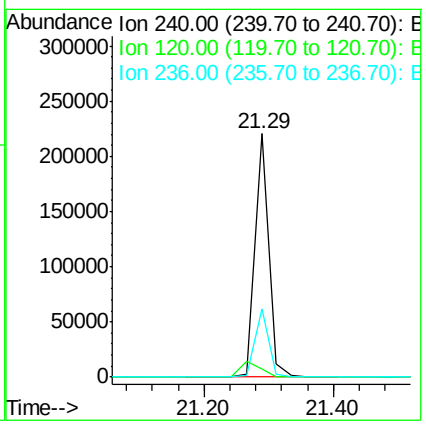


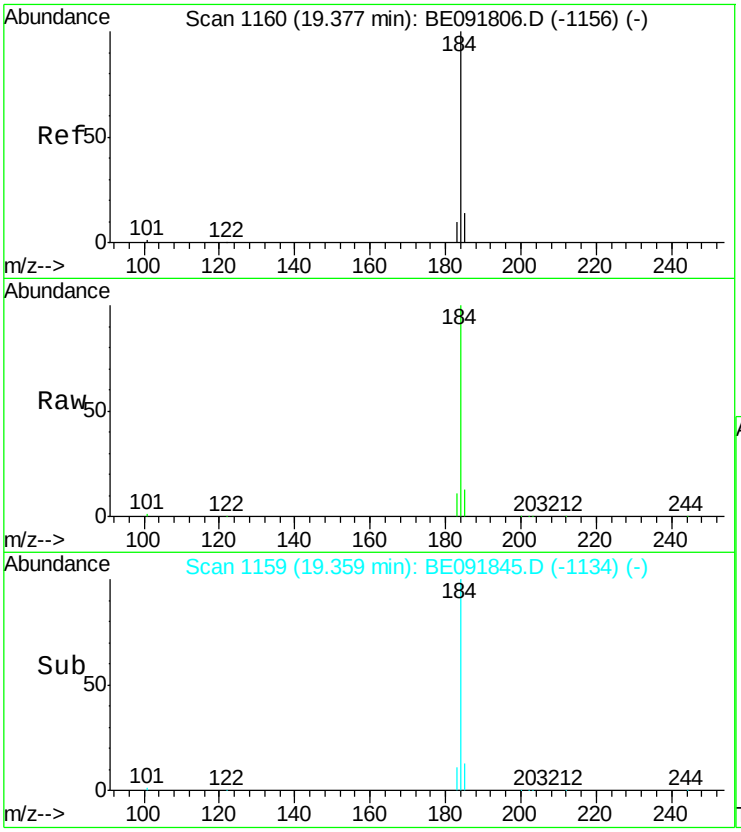




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1247
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion:240 Resp: 329873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 3.4 | 11.0 | 16.4# |
| 236 | 27.9 | 21.7 | 32.5 |



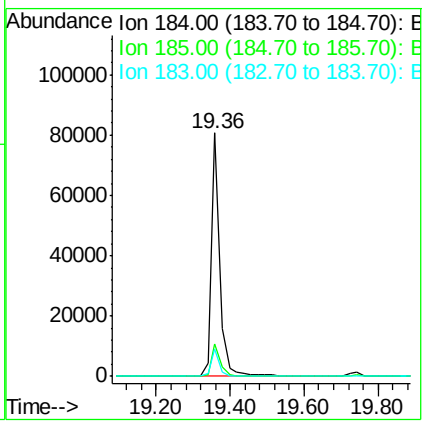


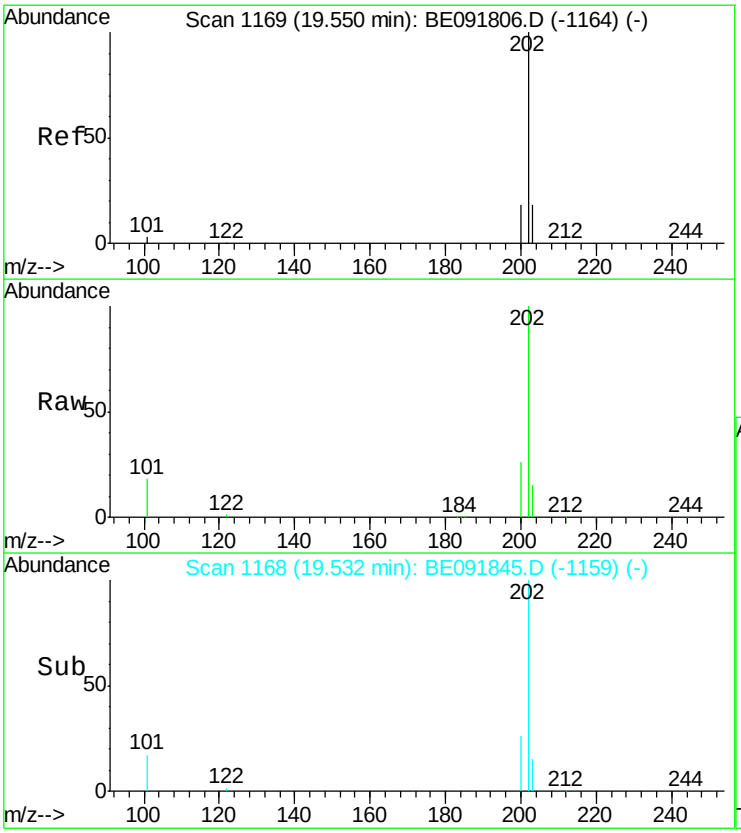

#27
Benzidine
Concen: 4.20 ng
RT: 19.36 min Scan# 1159
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion:184 Resp: 125215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 13.4 | 22.3 | 33.5# |
| 183 | 11.1 | 16.4 | 24.6# |

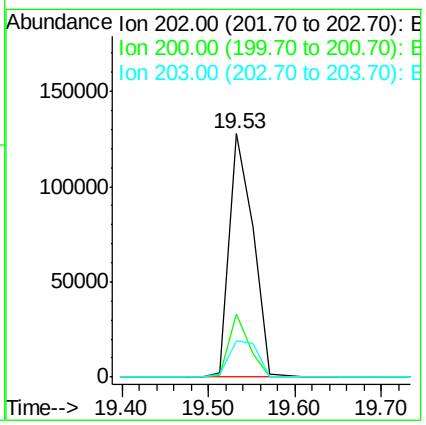


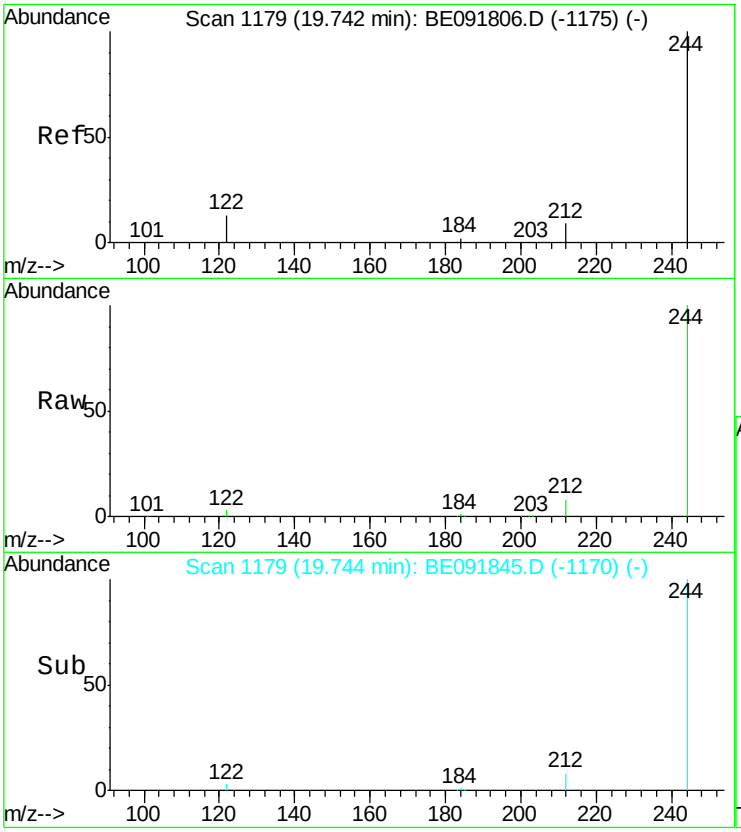




#28
Pyrene
Concen: 3.37 ng
RT: 19.53 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion:202 Resp: 243701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.0 | 16.8 | 25.2 |
| 203 | 18.1 | 14.0 | 21.0 |



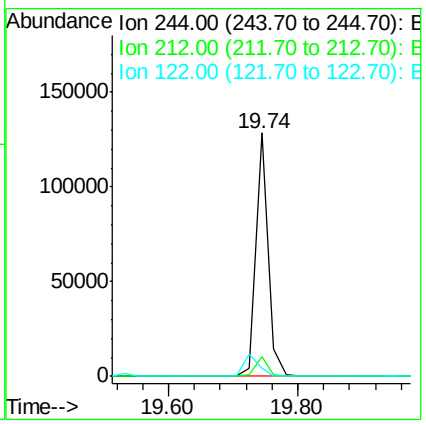


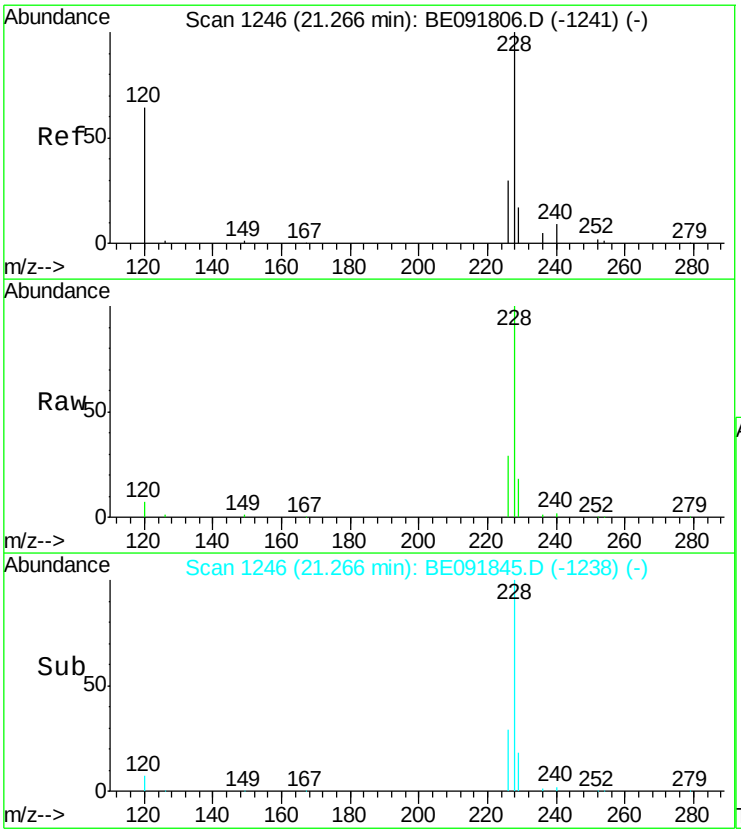

#29
Terphenyl-d14
Concen: 3.65 ng
RT: 19.74 min Scan# 1179
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion:244 Resp: 170481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.3 | 6.9 | 10.3 |
| 122 | 3.4 | 11.0 | 16.4# |

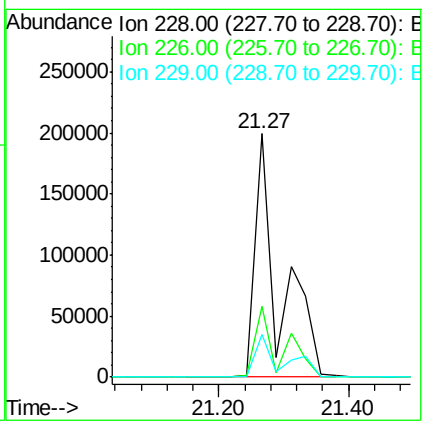


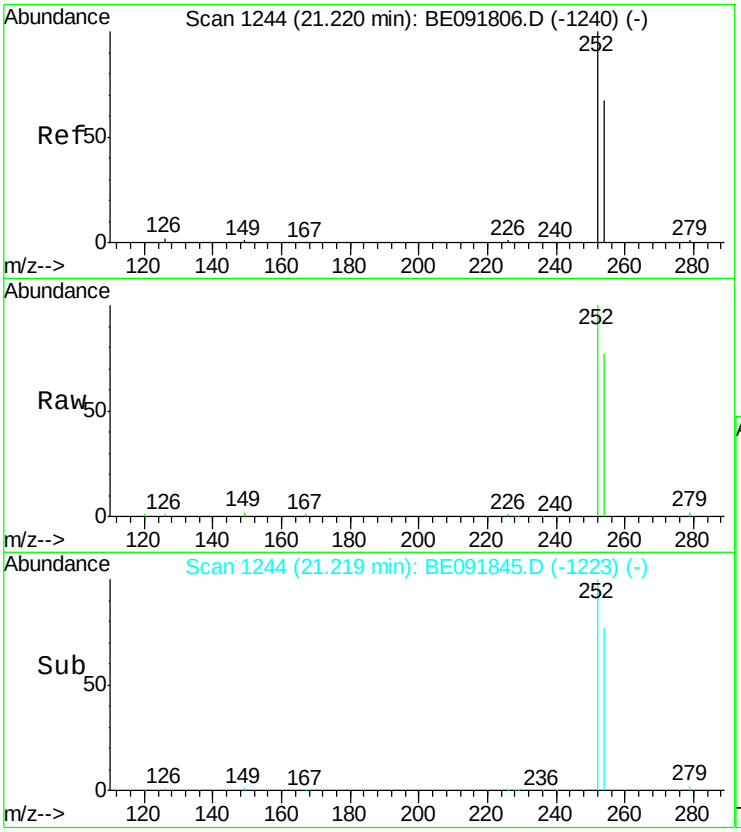




#30
Benzo(a)anthracene
Concen: 6.55 ng
RT: 21.27 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion:228 Resp: 521020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.9 | 21.0 | 31.4 |
| 229 | 17.7 | 15.7 | 23.5 |



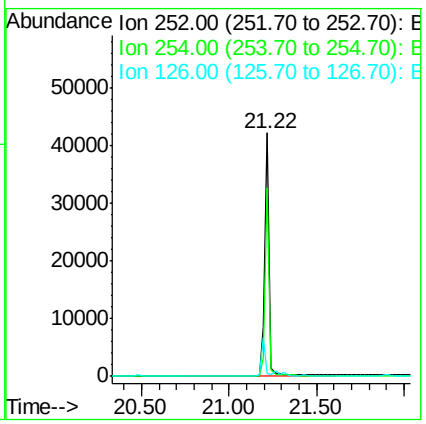


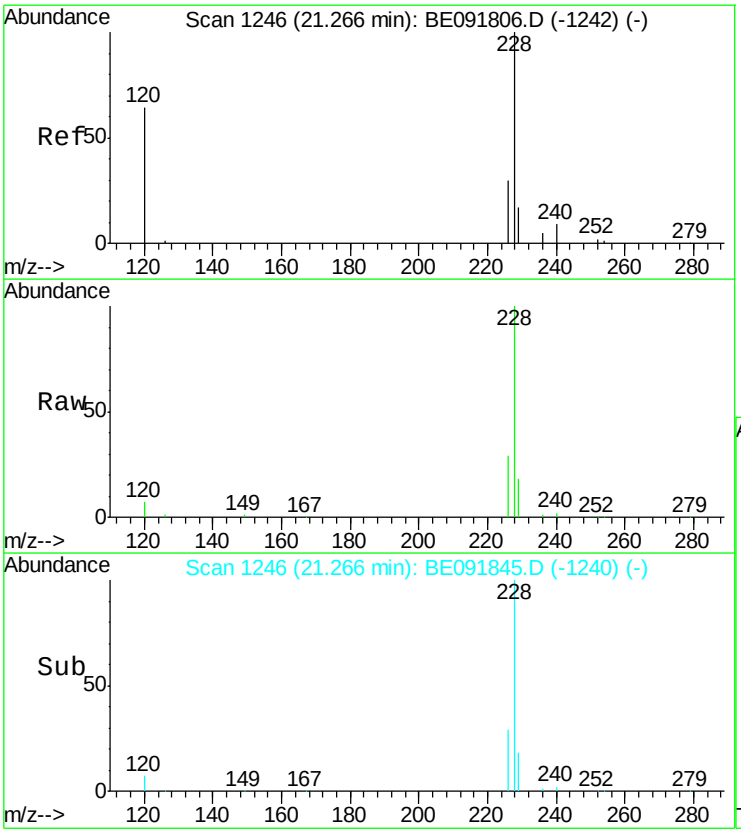

#31
3,3'-Dichlorobenzidine
Concen: 1.48 ng
RT: 21.22 min Scan# 1244
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion:252 Resp: 75147

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 77.4 | 51.1 | 76.7# |
| 126 | 1.2 | 12.6 | 18.8# |

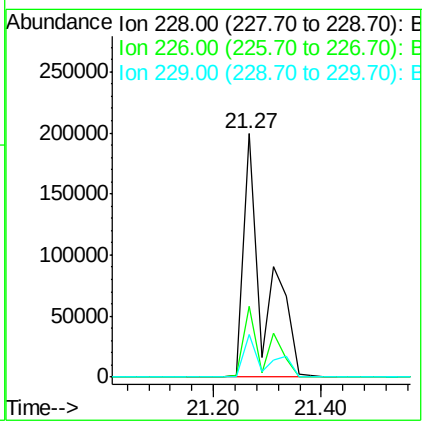


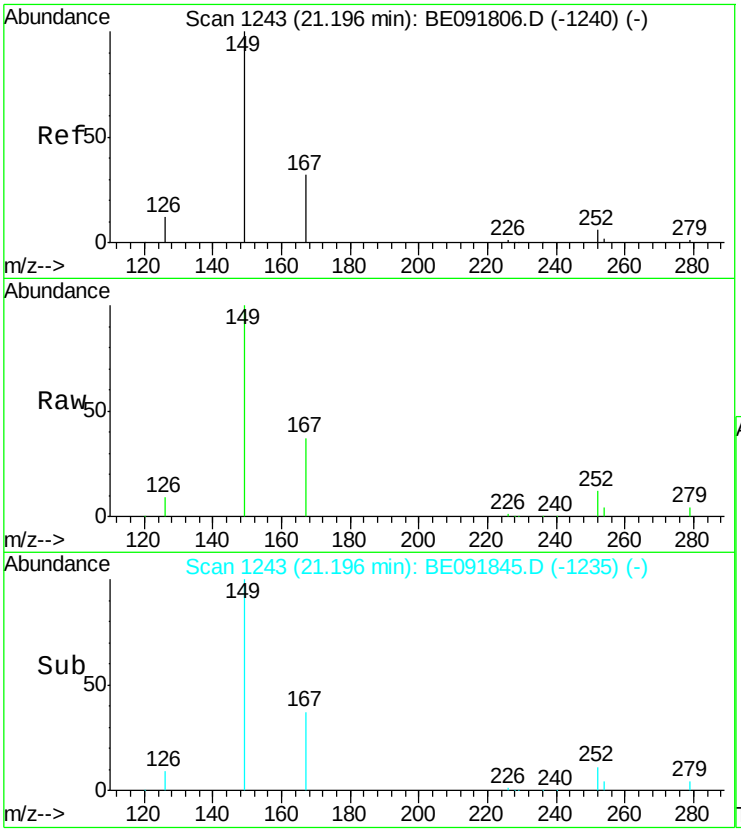




#32
Chrysene
Concen: 7.63 ng
RT: 21.27 min Scan# 1246
Delta R.T. -0.07 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion:228 Resp: 522641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.9 | 24.0 | 36.0 |
| 229 | 17.7 | 15.9 | 23.9 |



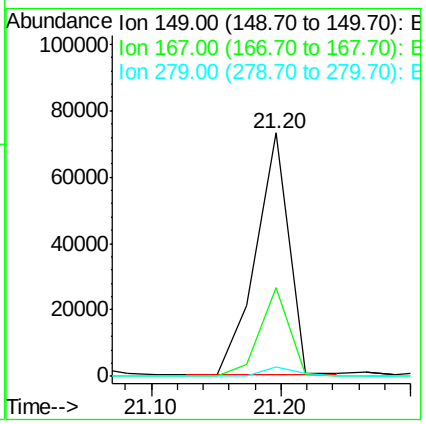


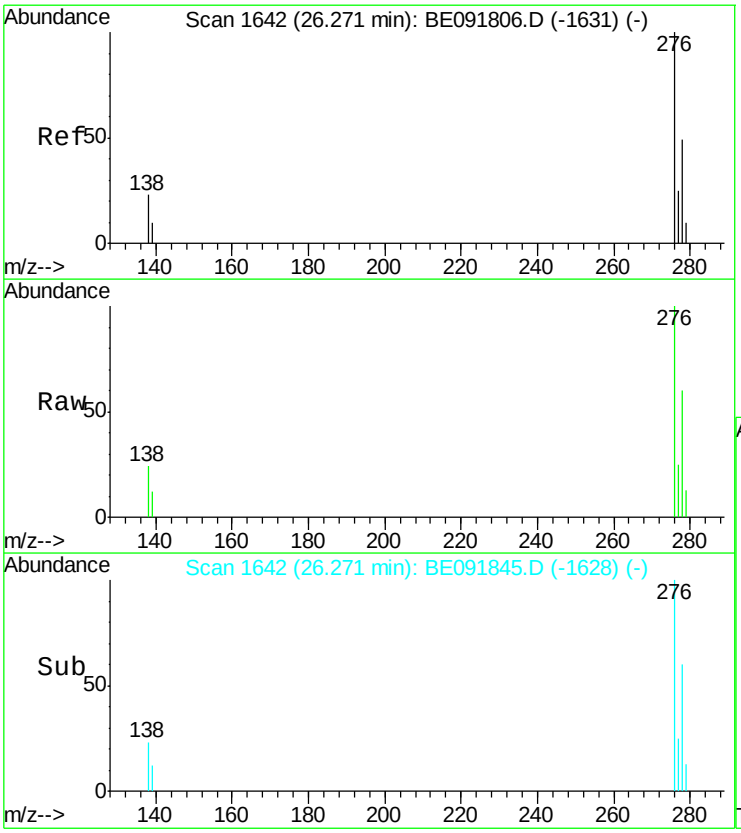

#33
Bis(2-ethylhexyl)phthalate
Concen: 2.97 ng
RT: 21.20 min Scan# 1243
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion:149 Resp: 130178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 32.0 | 19.5 | 29.3# |
| 279 | 3.6 | 10.0 | 15.0# |

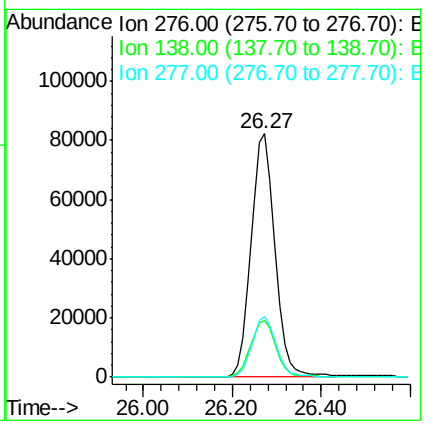


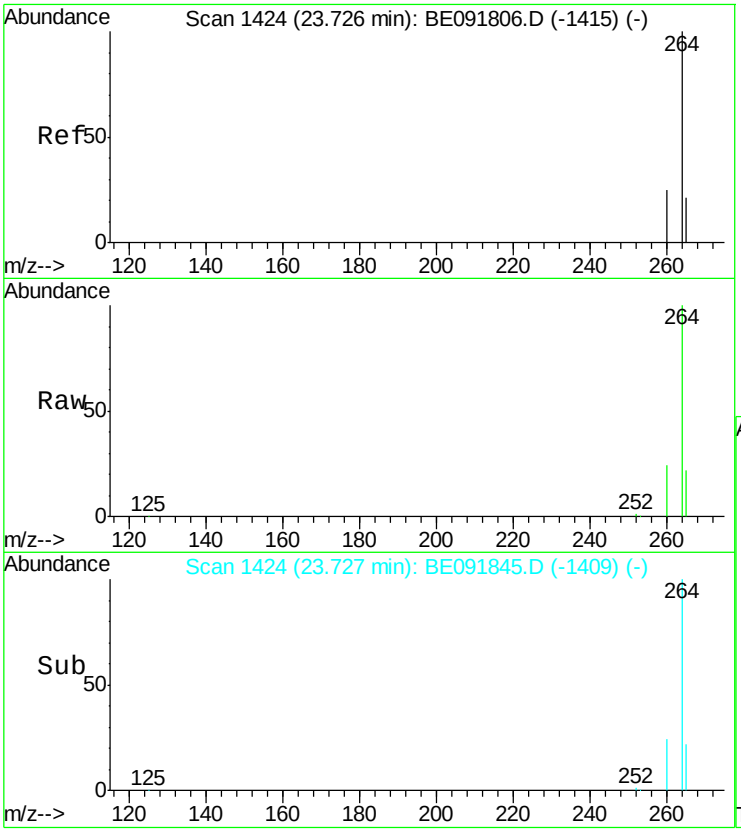




#34
Indeno(1,2,3-cd)pyrene
Concen: 3.67 ng
RT: 26.27 min Scan# 1642
Delta R.T. -0.03 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion:276 Resp: 299199

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.4 | 23.4 | 35.2 |
| 277 | 24.8 | 19.8 | 29.8 |



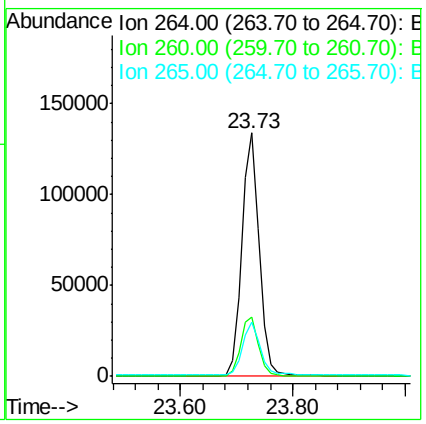


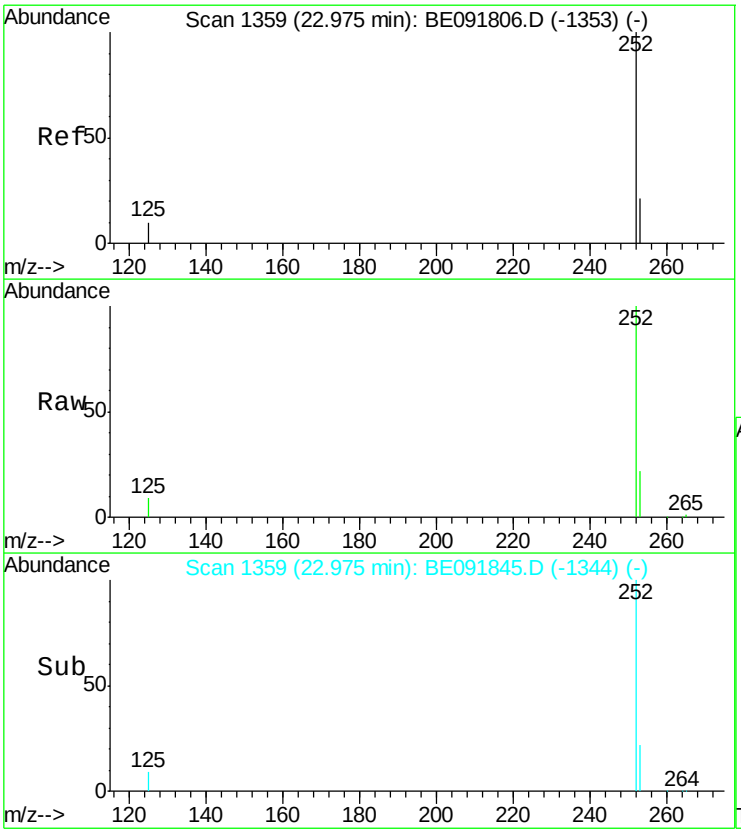

#35
Perylene-d12
Concen: 5.00 ng
RT: 23.73 min Scan# 1424
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion:264 Resp: 290631

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.4 | 20.0 | 30.0 |
| 265 | 22.4 | 17.5 | 26.3 |

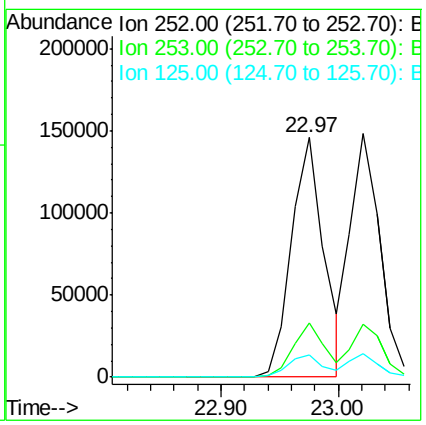


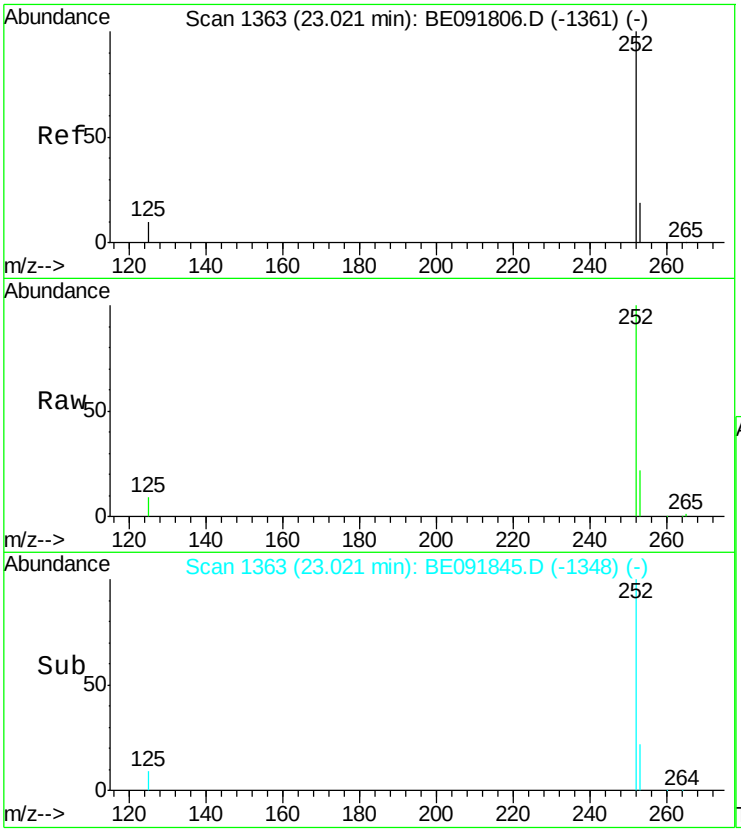




#36
Benzo(b)fluoranthene
Concen: 3.82 ng
RT: 22.97 min Scan# 1359
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion:252 Resp: 278056

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.4 | 17.4 | 26.0 |
| 125 | 9.2 | 10.2 | 15.2# |



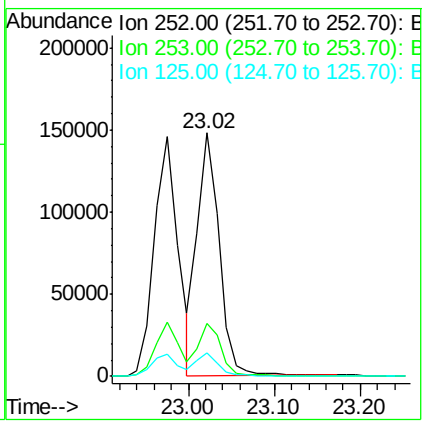


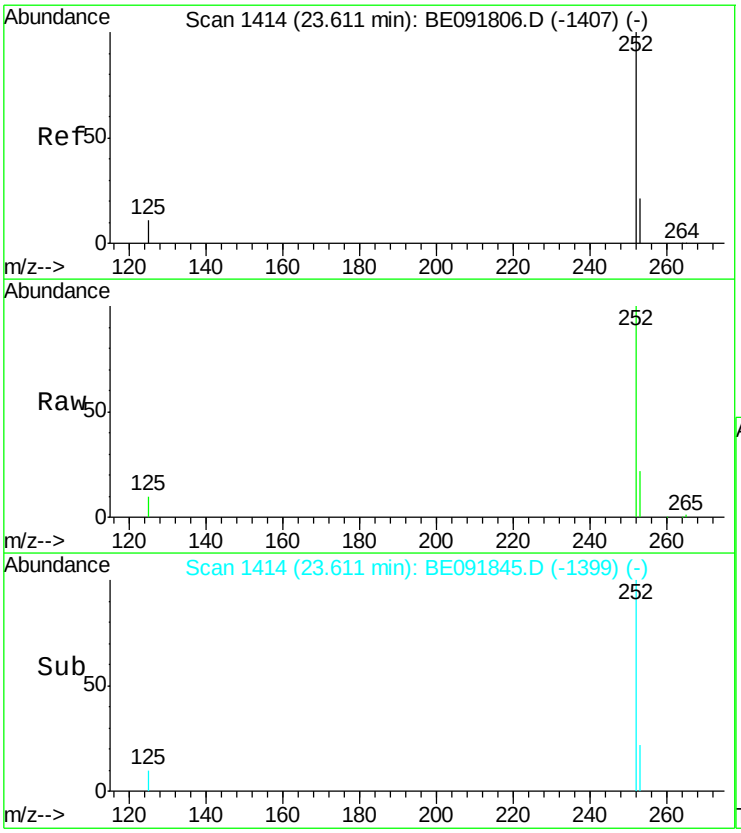

#37
Benzo(k)fluoranthene
Concen: 3.50 ng
RT: 23.02 min Scan# 1363
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion:252 Resp: 260598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.6 | 26.4 |
| 125 | 9.5 | 9.9 | 14.9# |

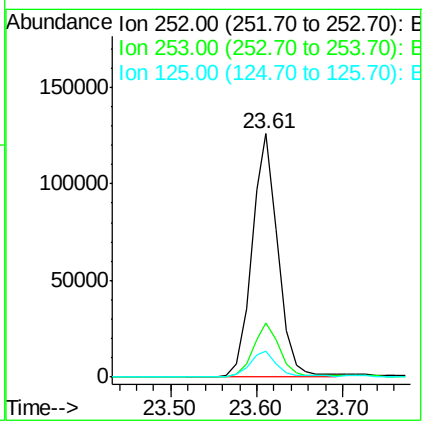


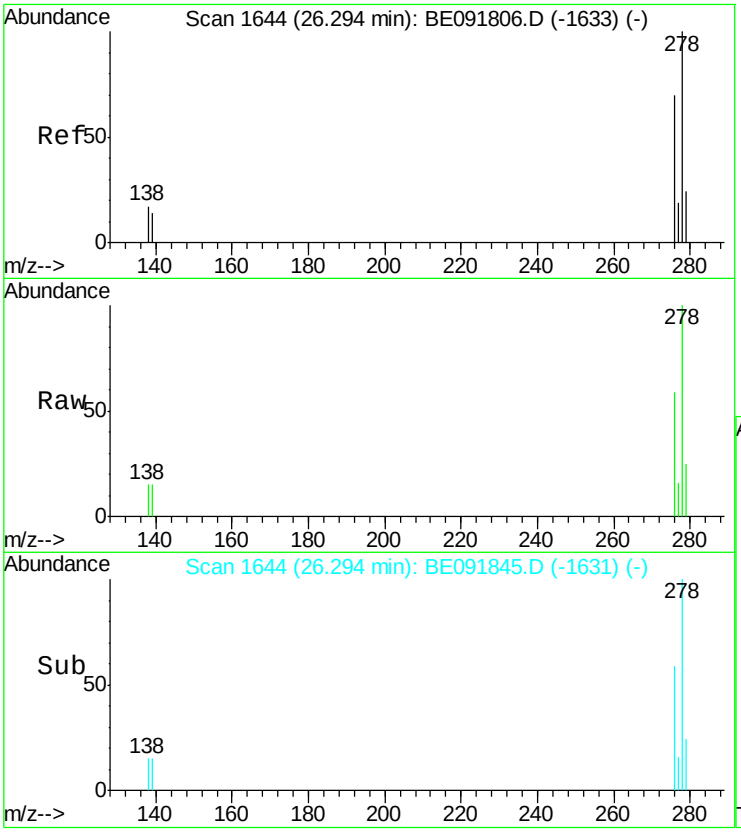




#38
Benzo(a)pyrene
Concen: 3.75 ng
RT: 23.61 min Scan# 1414
Delta R.T. -0.02 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion:252 Resp: 260219

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 18.1 | 27.1 |
| 125 | 10.5 | 11.0 | 16.4# |



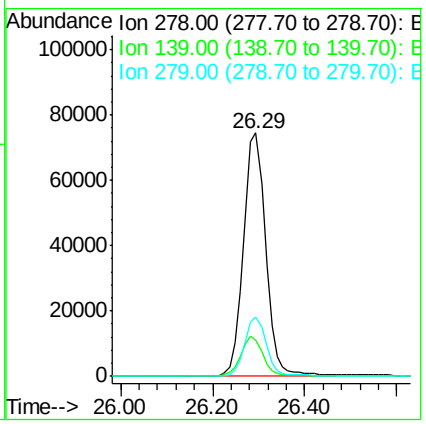


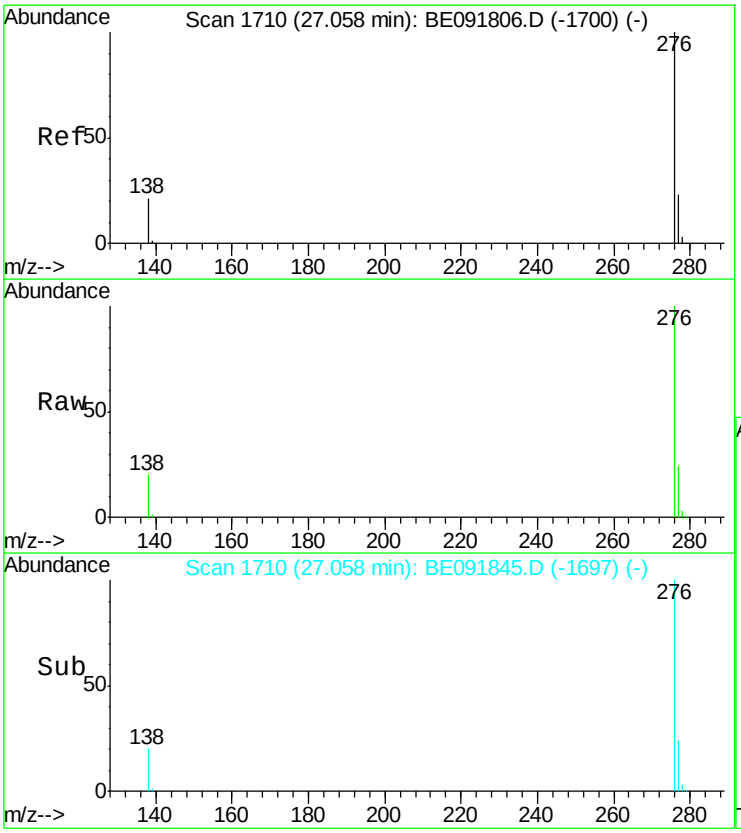

#39
Dibenzo(a,h)anthracene
Concen: 3.68 ng
RT: 26.29 min Scan# 1644
Delta R.T. -0.05 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

**Instrument :**
BNA_E
**ClientSampleId :**
PB90761BS

Tgt Ion:278 Resp: 249301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 14.9 | 16.0 | 24.0# |
| 279 | 24.5 | 19.4 | 29.2 |




#40
Benzo(g,h,i)perylene
Concen: 3.60 ng
RT: 27.06 min Scan# 1710
Delta R.T. -0.05 min
Lab File: BE091845.D
Acq: 23 May 2016 13:44

Tgt Ion:276 Resp: 251680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 18.6 | 28.0 |
| 138 | 19.8 | 20.4 | 30.6# |