Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102317\
Data File : BE094502.D
Acq On : 23 Oct 2017 19:09
Operator : SJ/JU
Sample : PB103539BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** PB103539BS

Quant Time: Oct 23 22:28:47 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 23 19:31:26 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.91 | 152 | 1062 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.71 | 136 | 5447 | 0.40 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.51 | 164 | 3456 | 0.40 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 17.24 | 188 | 6941 | 0.40 | ng | | 0.00 |
| 27) Chrysene-d12 | 21.43 | 240 | 9069 | 0.40 | ng | | 0.00 |
| 34) Perylene-d12 | 23.95 | 264 | 8370 | 0.40 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.53 | 112 | 1329 | 0.37 | ng | | 0.00 |
| 5) Phenol-d6 | 7.14 | 99 | 1965 | 0.36 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.96 | 82 | 104 | 0.02 | ng | | -0.12 |
| 11) 2-Methylnaphthalene-d10 | 12.29 | 152 | 3440 | 0.39 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 16.03 | 330 | 346 | 0.36 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 13.15 | 172 | 4528 | 0.37 | ng | | 0.00 |
| 25) Fluoranthene-d10 | 19.28 | 212 | 38982 | 0.47 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.86 | 244 | 6367 | 0.37 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.41 | 88 | 594 | 0.33 | ng | # | 1 |
| 3) n-Nitrosodimethylamine | 3.74 | 42 | 739 | 0.43 | ng | # | 88 |
| 6) bis(2-Chloroethyl)ether | 7.33 | 93 | 1505 | 0.35 | ng | | 81 |
| 9) Naphthalene | 10.76 | 128 | 20987 | 0.34 | ng | | 100 |
| 10) Hexachlorobutadiene | 11.01 | 225 | 786 | 0.35 | ng | | 96 |
| 12) 2-Methylnaphthalene | 12.37 | 142 | 3699 | 0.35 | ng | | 98 |
| 16) Acenaphthylene | 14.24 | 152 | 5989 | 0.33 | ng | | 99 |
| 17) Acenaphthene | 14.59 | 154 | 3872 | 0.33 | ng | | 97 |
| 18) Fluorene | 15.56 | 166 | 5141 | 0.34 | ng | | 98 |
| 20) 4-Bromophenyl-phenylether | 16.45 | 248 | 1254 | 0.33 | ng | # | 62 |
| 21) Hexachlorobenzene | 16.58 | 284 | 1353 | 0.41 | ng | # | 38 |
| 22) Pentachlorophenol | 17.01 | 266 | 127 | 0.30 | ng | | 92 |
| 23) Phenanthrene | 17.30 | 178 | 9284 | 0.52 | ng | # | 93 |
| 24) Anthracene | 17.30 | 178 | 9269 | 0.45 | ng | | 97 |
| 26) Fluoranthene | 19.31 | 202 | 10342 | 0.40 | ng | | 100 |
| 28) Pyrene | 19.67 | 202 | 10573 | 0.33 | ng | | 99 |
| 30) Benzo(a)anthracene | 21.40 | 228 | 10425 | 0.35 | ng | # | 62 |
| 31) Chrysene | 21.46 | 228 | 9819 | 0.33 | ng | # | 64 |
| 32) Bis(2-ethylhexyl)phthalate | 21.28 | 149 | 24198 | 0.33 | ng | | 100 |
| 33) Indeno(1,2,3-cd)pyrene | 26.63 | 276 | 9846 | 0.36 | ng | | 99 |
| 35) Benzo(b)fluoranthene | 23.17 | 252 | 9477 | 0.35 | ng | # | 41 |
| 36) Benzo(k)fluoranthene | 23.22 | 252 | 10297 | 0.36 | ng | # | 41 |
| 37) Benzo(a)pyrene | 23.83 | 252 | 9288 | 0.35 | ng | # | 35 |
| 38) Dibenzo(a,h)anthracene | 26.64 | 278 | 8355 | 0.35 | ng | # | 47 |
| 39) Benzo(g,h,i)perylene | 27.46 | 276 | 7863 | 0.36 | ng | # | 57 |

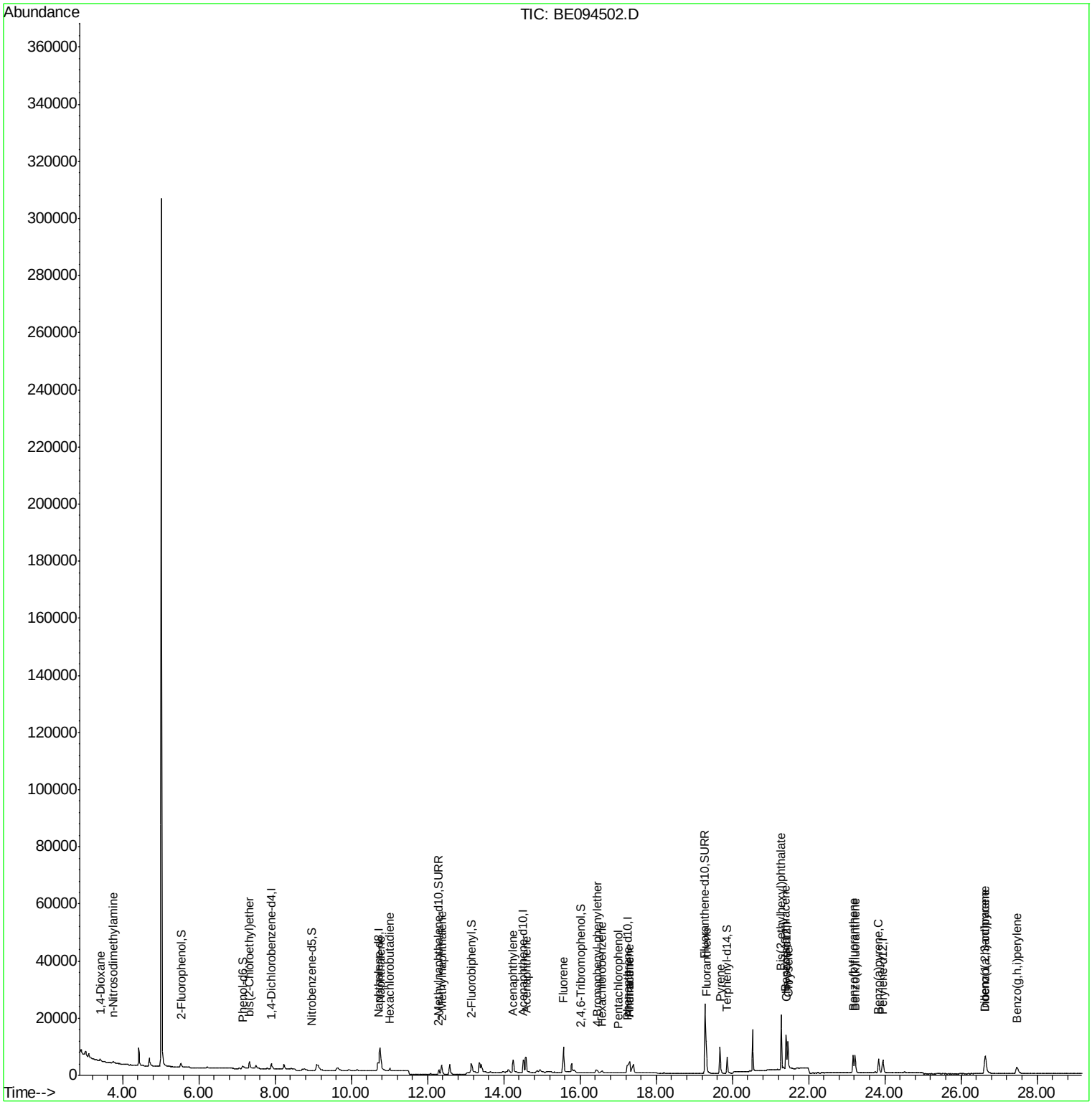
(#) = qualifier out of range (m) = manual integration (+) = signals summed

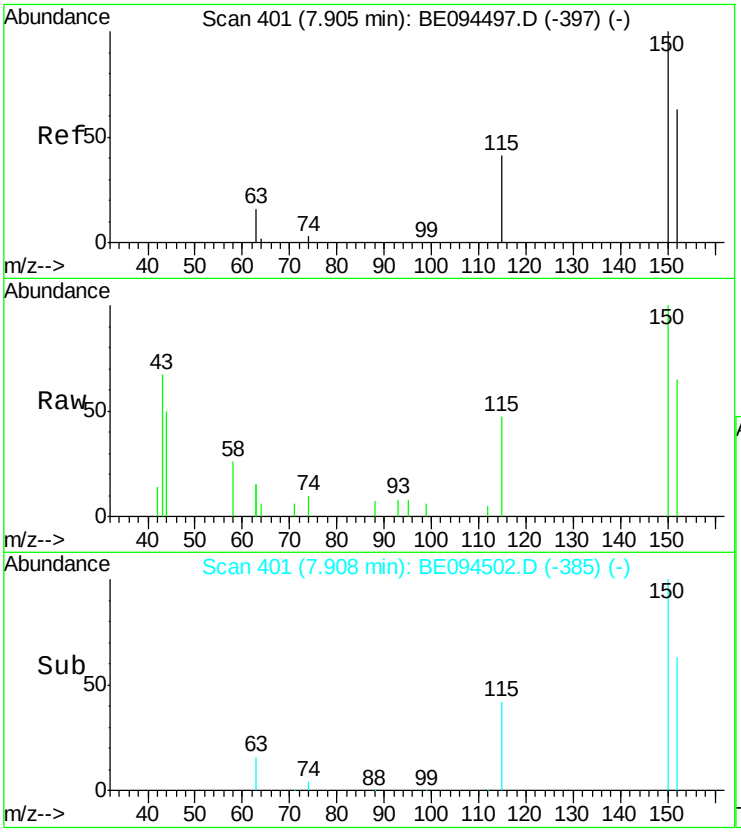
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE102317\
Data File : BE094502.D
Acq On : 23 Oct 2017 19:09
Operator : SJ/JU
Sample : PB103539BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Quant Time: Oct 23 22:28:47 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 23 19:31:26 2017
Response via : Initial Calibration



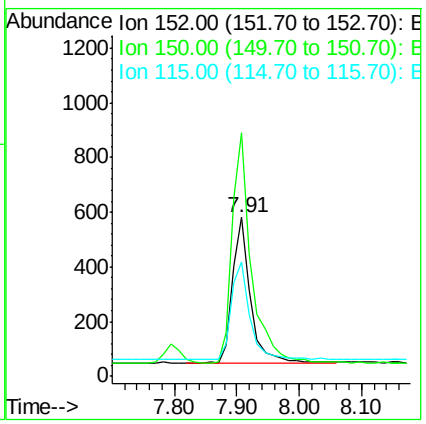


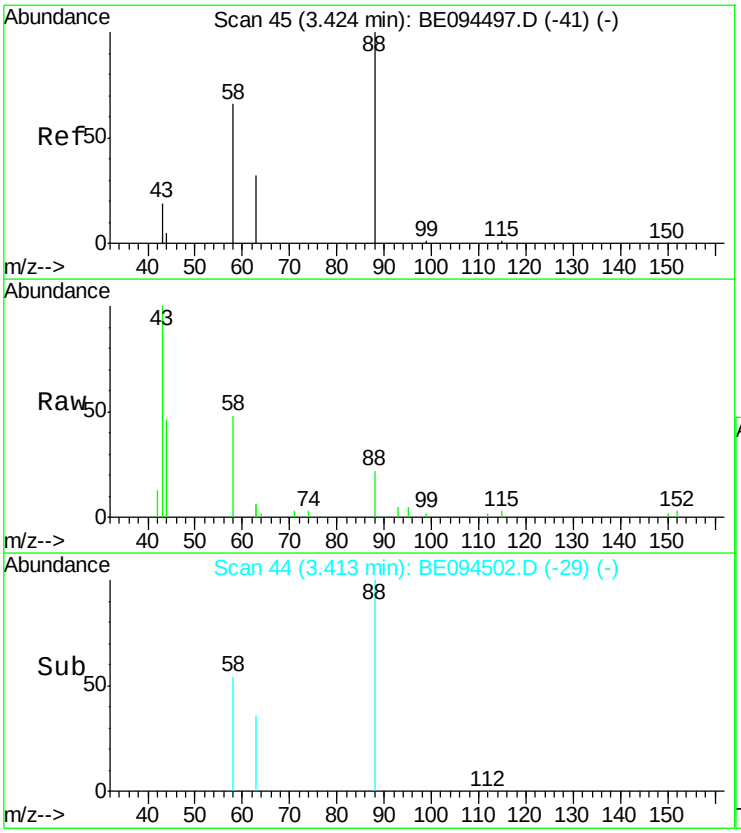

#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion:152 Resp: 1062

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.2 | 117.2 | 175.8 |
| 115 | 71.6 | 57.0 | 85.6 |

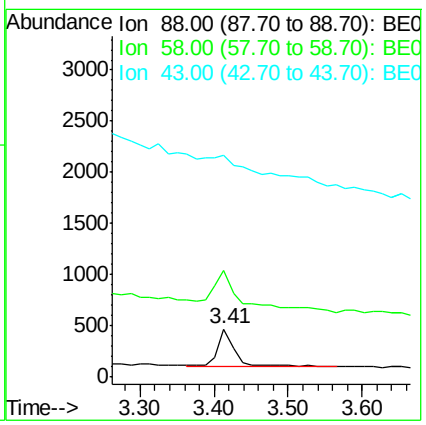


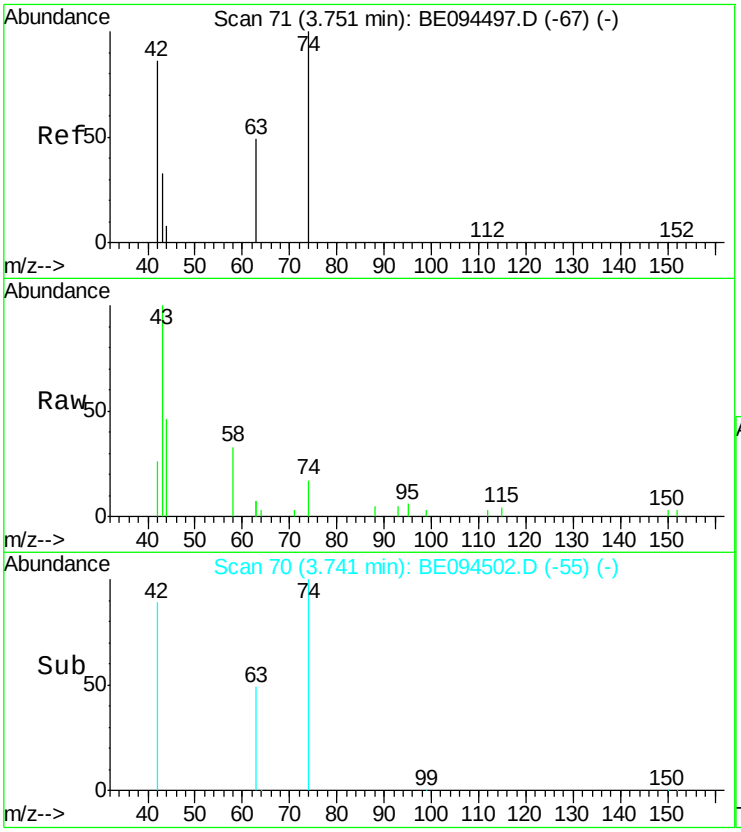




#2
1,4-Dioxane
Concen: 0.33 ng
RT: 3.41 min Scan# 44
Delta R.T. -0.01 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

Tgt Ion: 88 Resp: 594

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 190.7 | 63.2 | 94.8# |
| 43 | 0.0 | 41.2 | 61.8# |



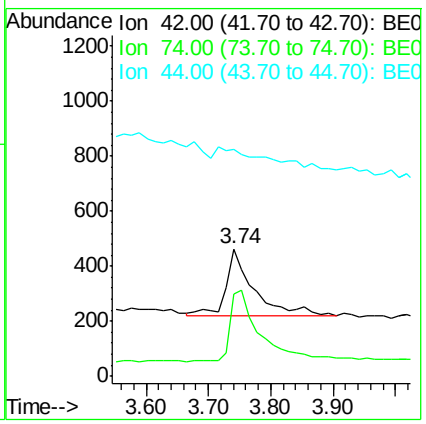


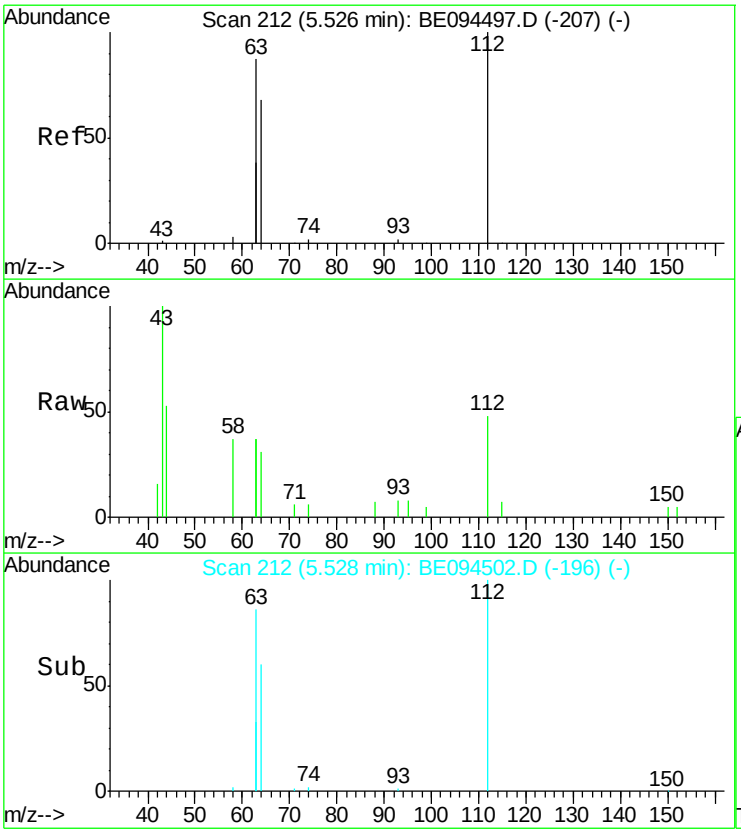

#3
n-Nitrosodimethylamine
Concen: 0.43 ng
RT: 3.74 min Scan# 70
Delta R.T. -0.01 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion: 42 Resp: 739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 118.4 | 100.3 | 150.5 |
| 44 | 0.0 | 17.0 | 25.4# |

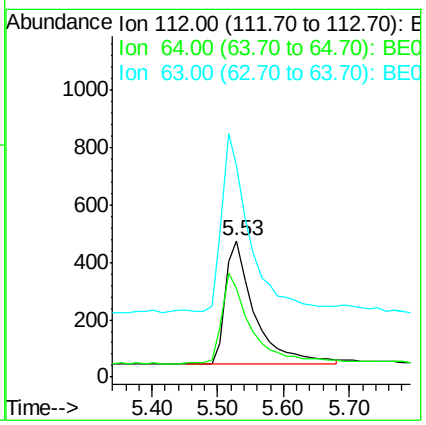


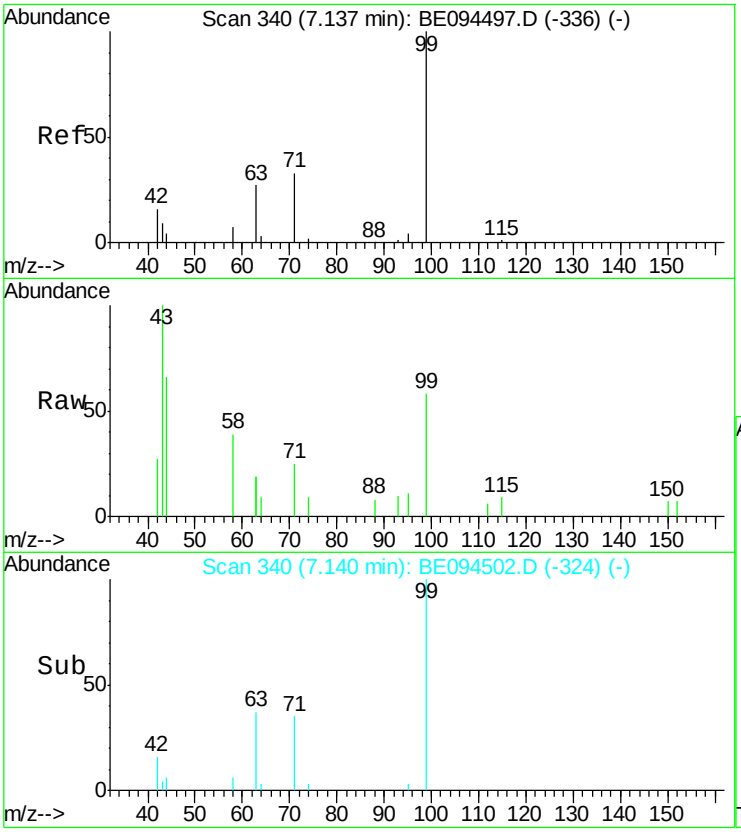




#4
2-Fluorophenol
Concen: 0.37 ng
RT: 5.53 min Scan# 212
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

Tgt Ion:112 Resp: 1329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 71.1 | 60.1 | 90.1 |
| 63 | 136.9 | 116.8 | 175.2 |



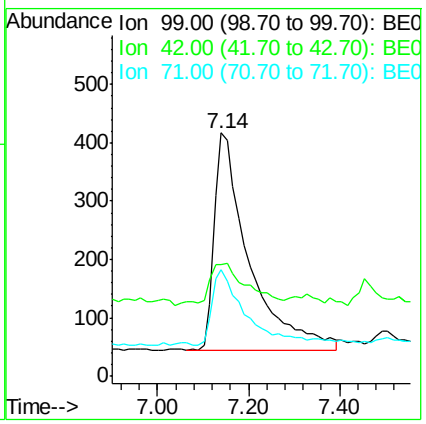


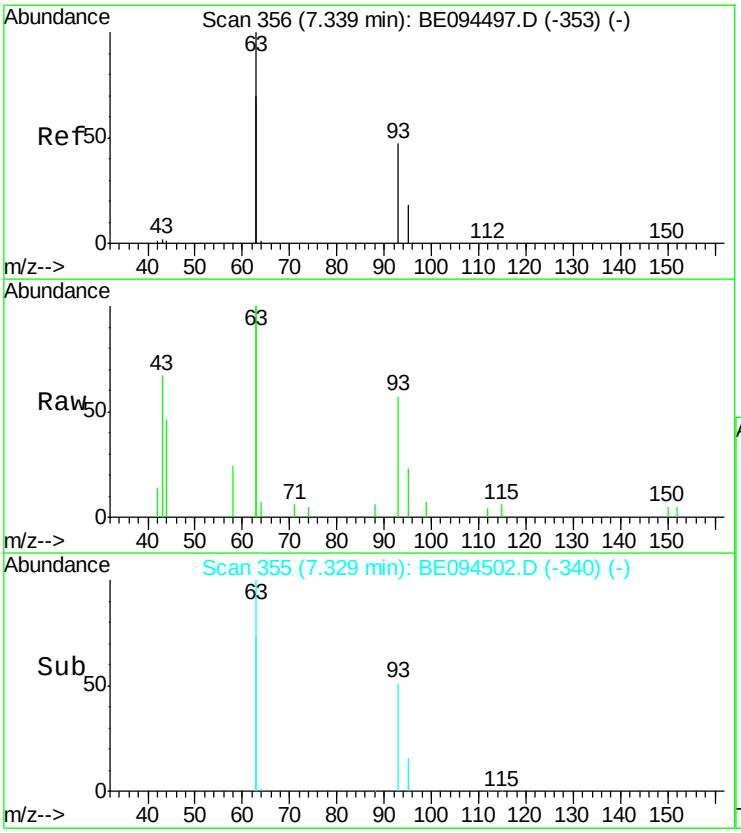

#5
Phenol-d6
Concen: 0.36 ng
RT: 7.14 min Scan# 340
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion: 99 Resp: 1965

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.8 | 20.2 | 30.2 |
| 71 | 34.7 | 28.4 | 42.6 |

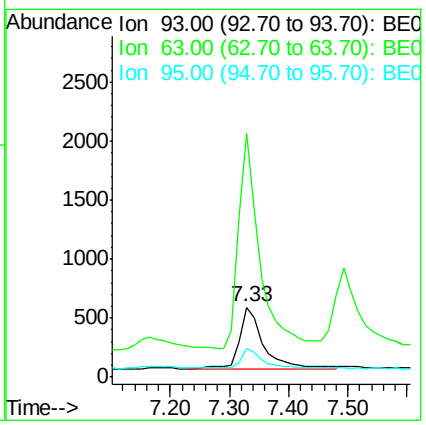


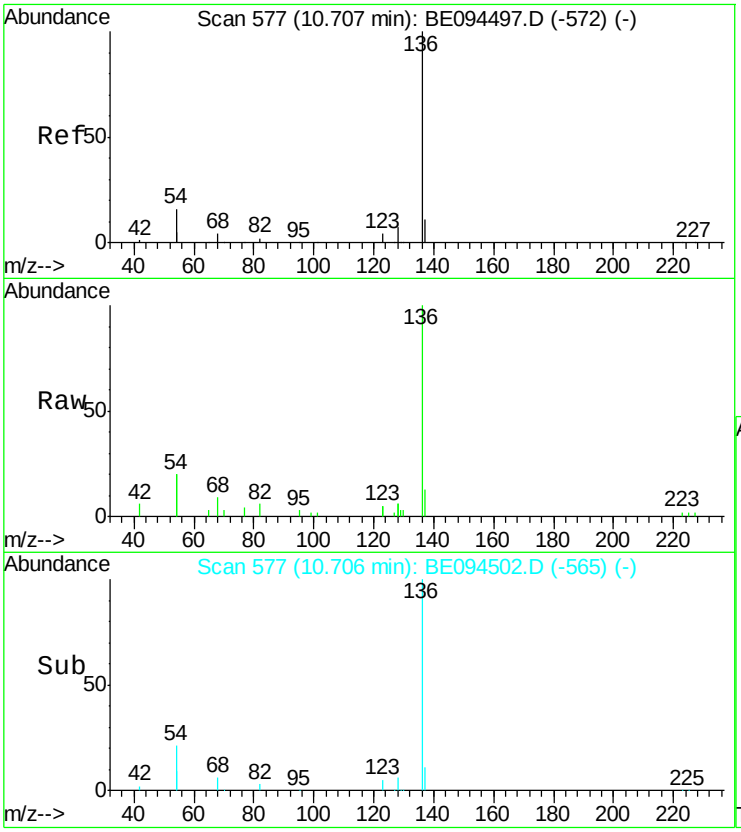




#6
bis(2-Chloroethyl)ether
Concen: 0.35 ng
RT: 7.33 min Scan# 355
Delta R.T. -0.01 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

Tgt Ion: 93 Resp: 1505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 300.3 | 275.3 | 412.9 |
| 95 | 27.6 | 25.2 | 37.8 |



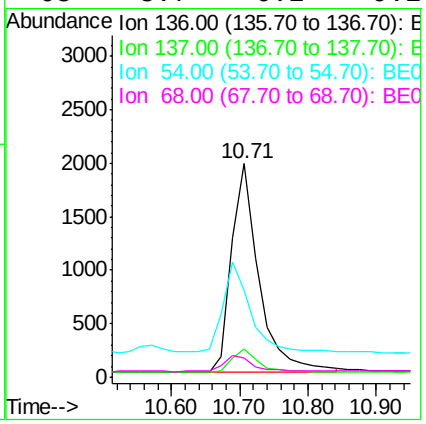


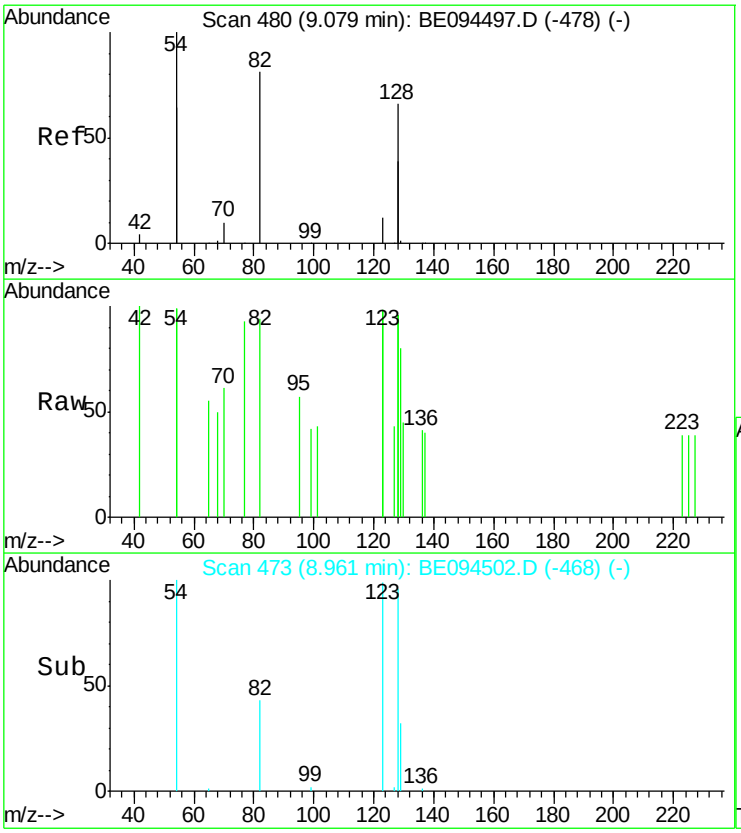

#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.71 min Scan# 577
Delta R.T. -0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion:136 Resp: 5447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 13.1 | 9.5 | 14.3 |
| 54 | 40.6 | 29.1 | 43.7 |
| 68 | 8.7 | 6.2 | 9.2 |

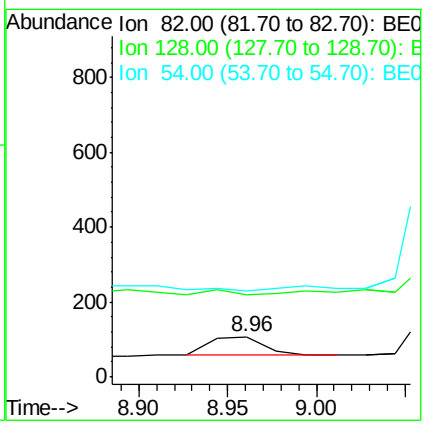


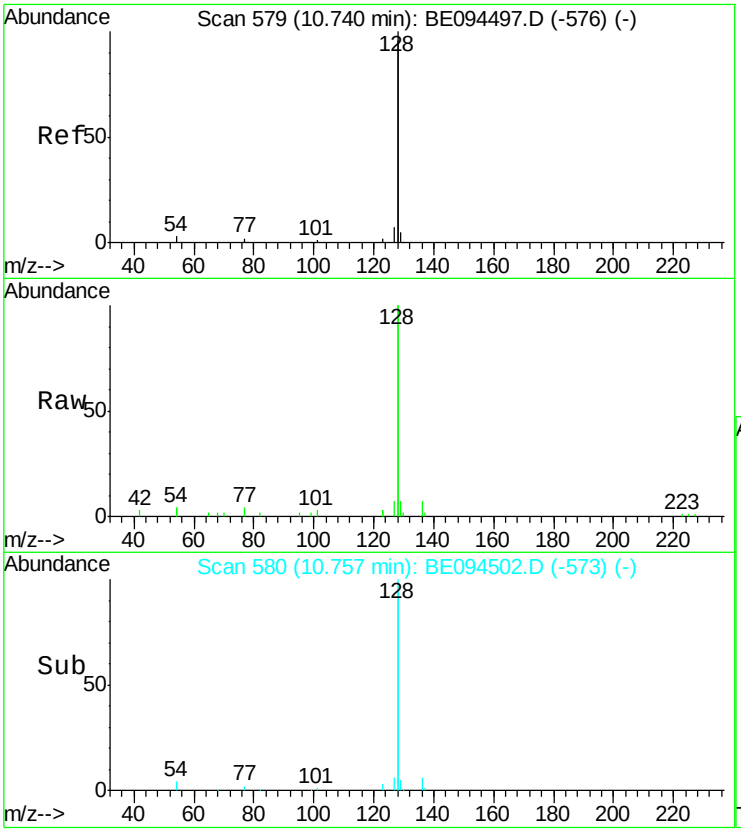




#8
Nitrobenzene-d5
Concen: 0.02 ng
RT: 8.96 min Scan# 473
Delta R.T. -0.12 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

Tgt Ion: 82 Resp: 104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 203.7 | 150.0 | 225.0 |
| 54 | 211.1 | 154.2 | 231.4 |



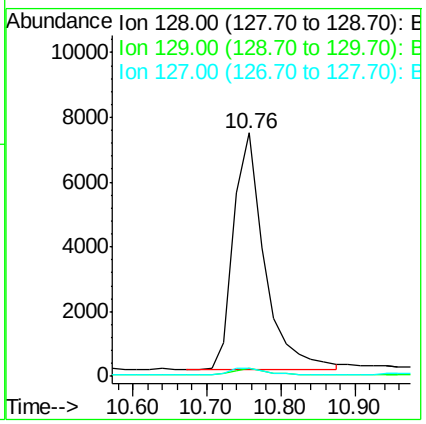


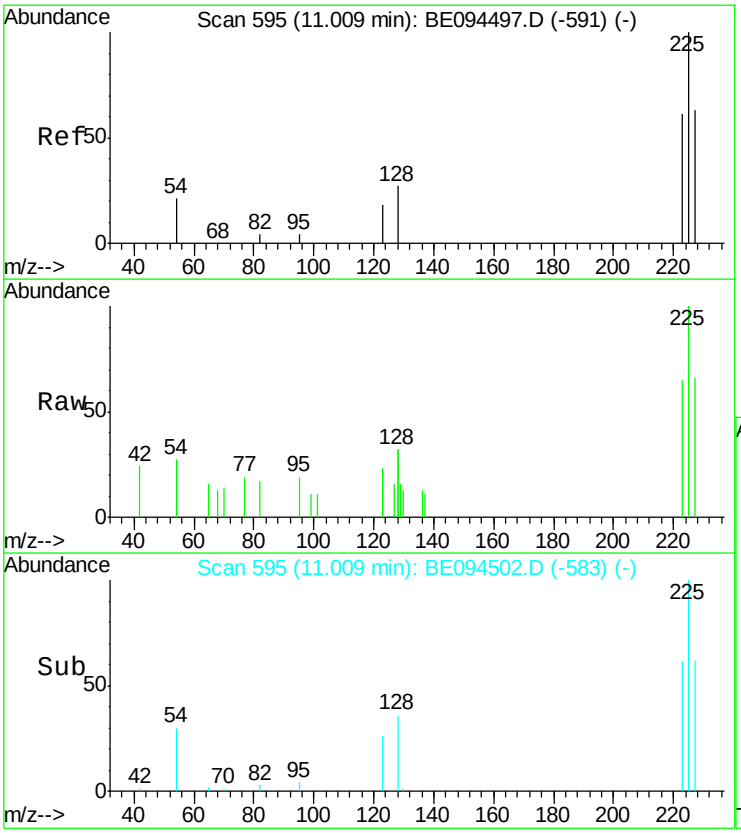

#9
Naphthalene
Concen: 0.34 ng
RT: 10.76 min Scan# 580
Delta R.T. 0.02 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion:128 Resp: 20987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 3.4 | 2.6 | 3.8 |
| 127 | 3.5 | 2.8 | 4.2 |

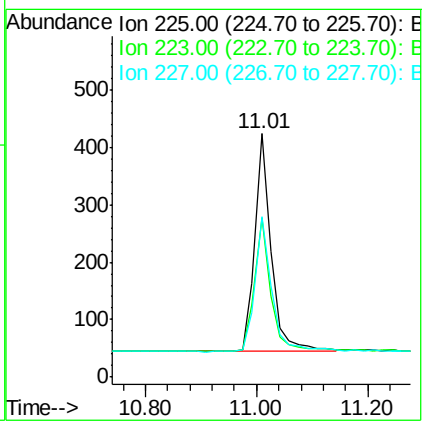


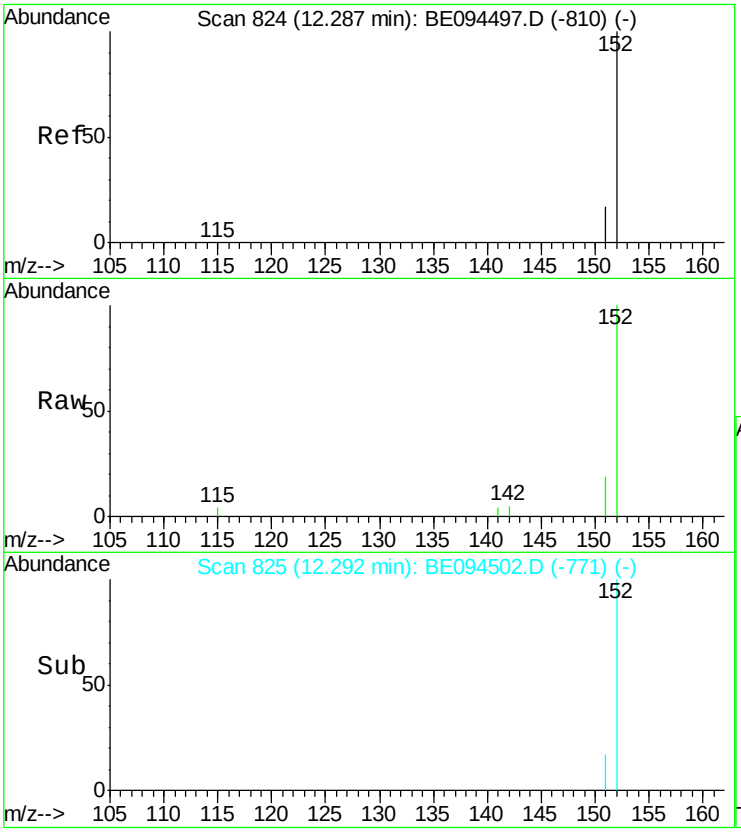




#10
Hexachlorobutadiene
Concen: 0.35 ng
RT: 11.01 min Scan# 595
Delta R.T. -0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

Tgt Ion:225 Resp: 786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 225 | 100 | | |
| 223 | 60.2 | 53.0 | 79.6 |
| 227 | 65.1 | 51.4 | 77.2 |



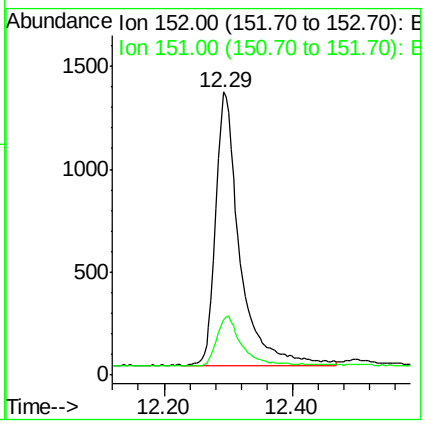


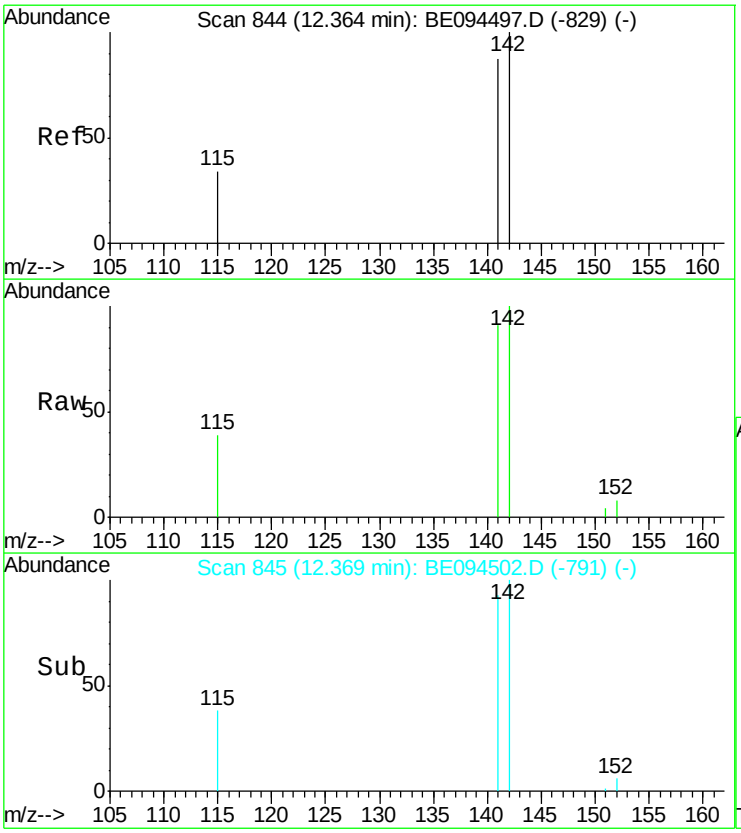

#11
2-Methylnaphthalene-d10
Concen: 0.39 ng
RT: 12.29 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion:152 Resp: 3440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 18.0 | 15.4 | 23.0 |

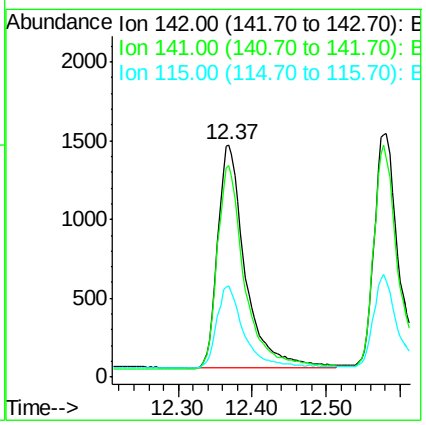


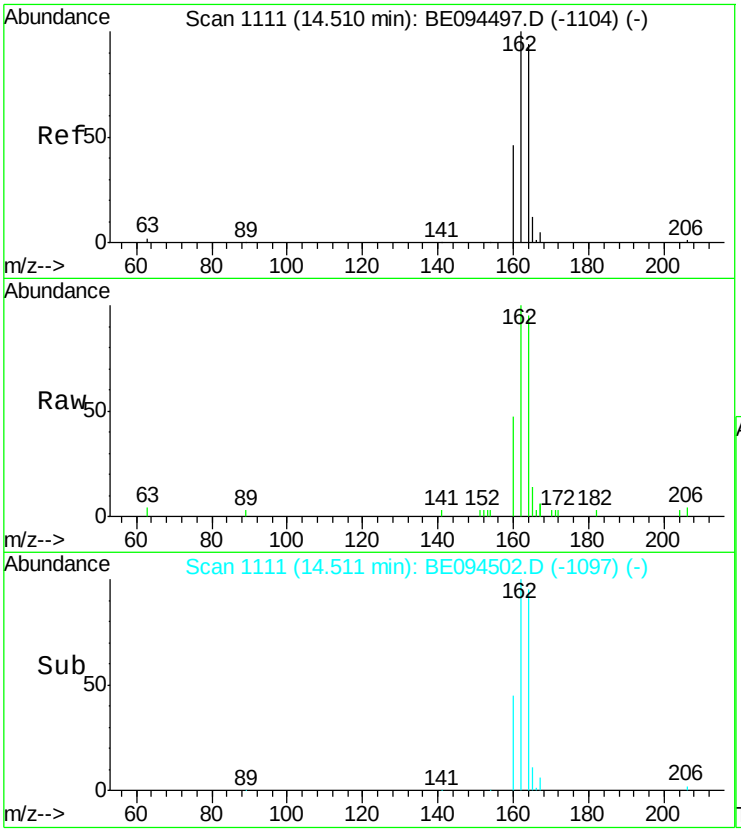




#12
2-Methylnaphthalene
Concen: 0.35 ng
RT: 12.37 min Scan# 845
Delta R.T. 0.01 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

Tgt Ion:142 Resp: 3699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.0 | 70.4 | 105.6 |
| 115 | 39.3 | 31.7 | 47.5 |



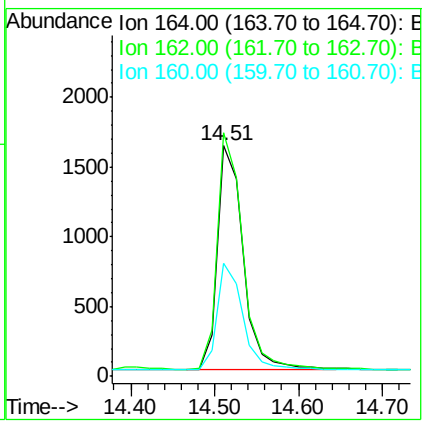


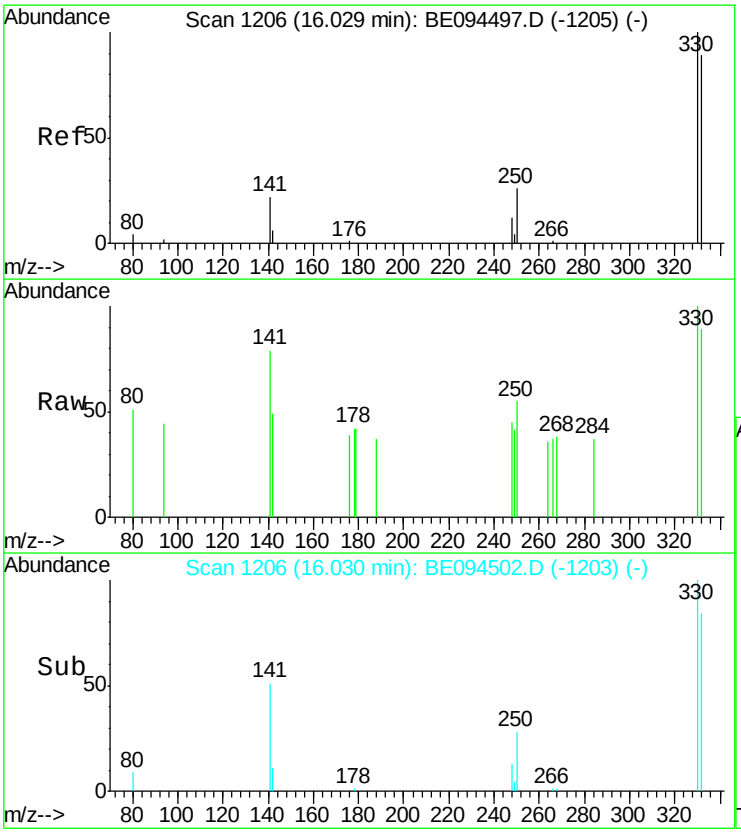

#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion:164 Resp: 3456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 105.5 | 83.1 | 124.7 |
| 160 | 49.2 | 37.1 | 55.7 |

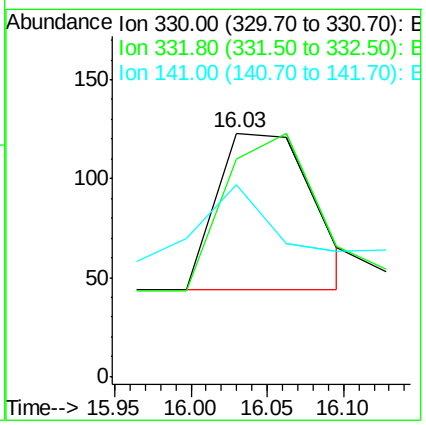


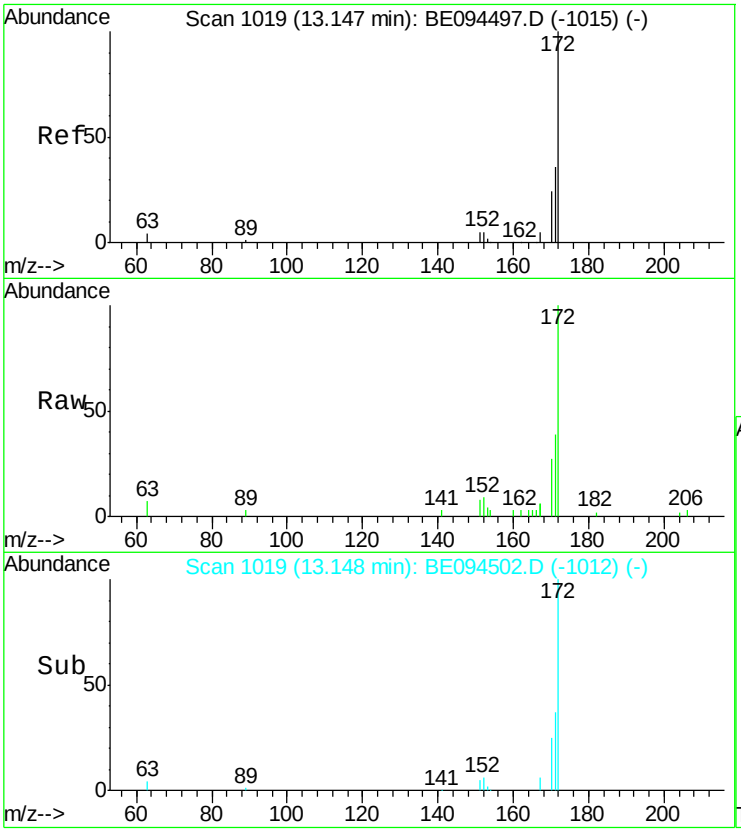




#14
2,4,6-Tribromophenol
Concen: 0.36 ng
RT: 16.03 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

Tgt Ion:330 Resp: 346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 0.0 | 152.7 | 229.1# |
| 141 | 21.4 | 33.7 | 50.5# |



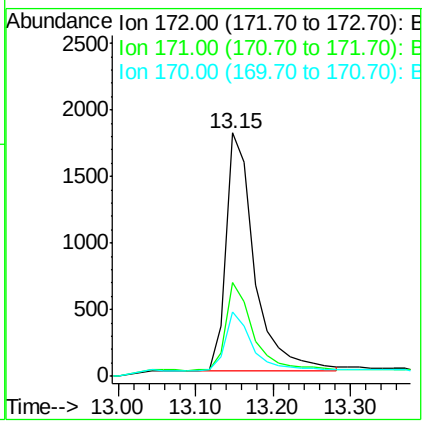


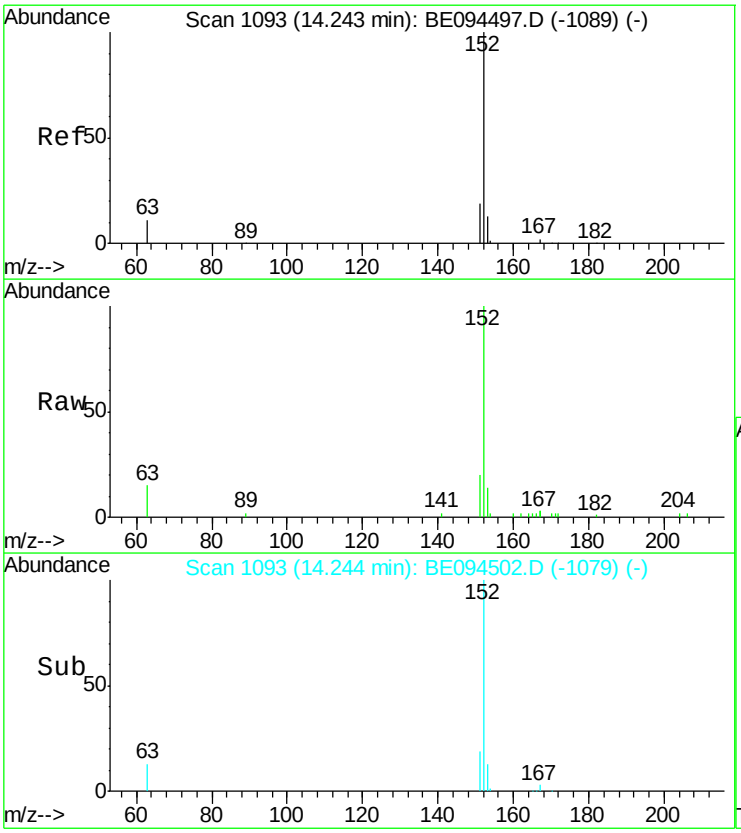

#15
2-Fluorobiphenyl
Concen: 0.37 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion:172 Resp: 4528

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.7 | 29.9 | 44.9 |
| 170 | 26.7 | 21.8 | 32.8 |

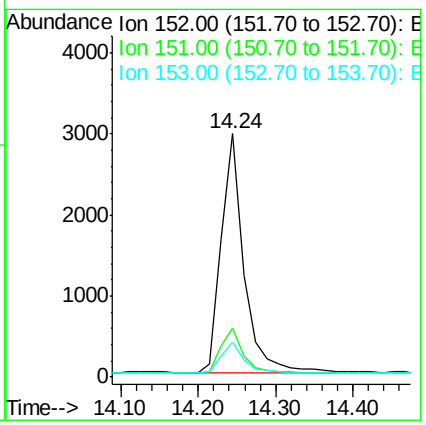


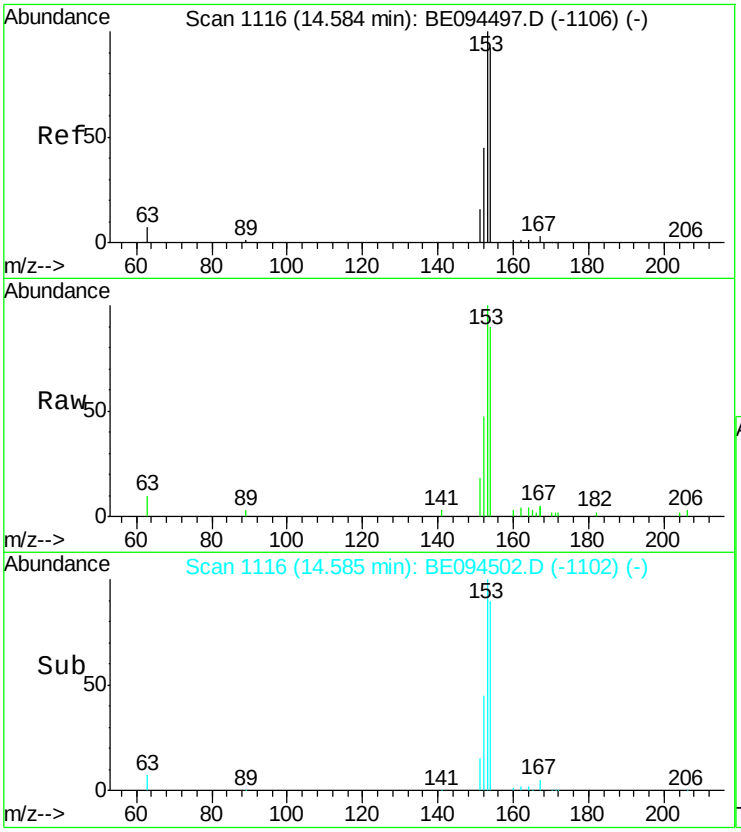




#16
Acenaphthylene
Concen: 0.33 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

Tgt Ion:152 Resp: 5989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.1 | 15.7 | 23.5 |
| 153 | 12.8 | 10.5 | 15.7 |



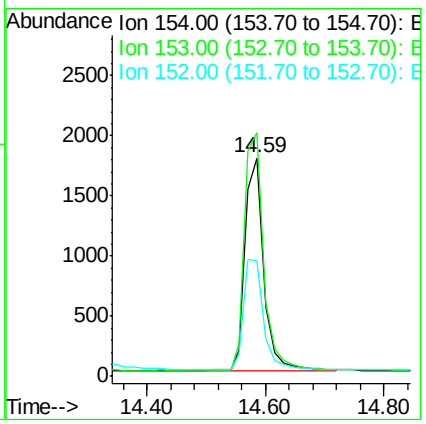


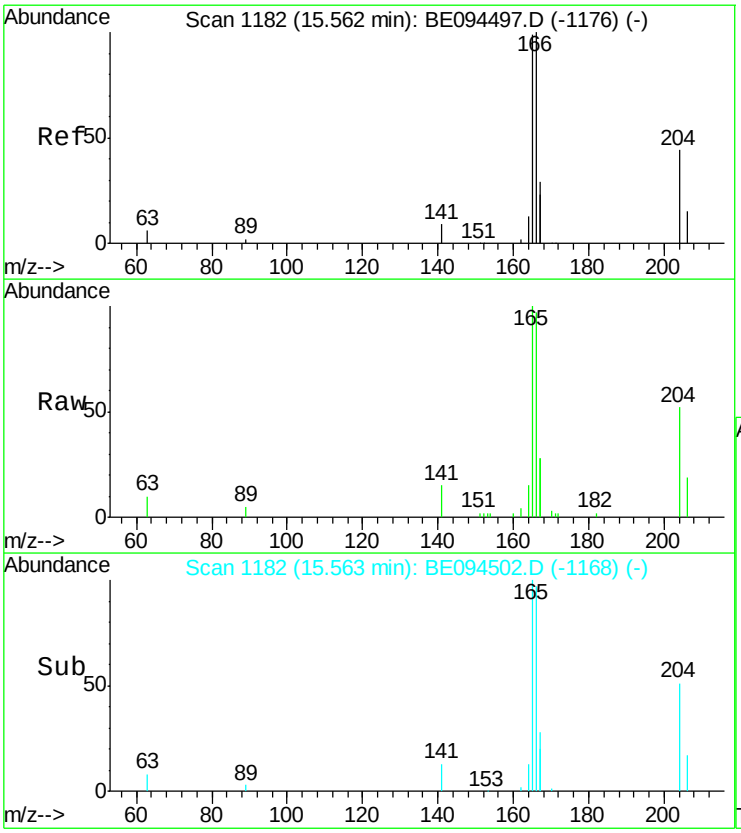

#17
Acenaphthene
Concen: 0.33 ng
RT: 14.59 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion:154 Resp: 3872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 114.2 | 89.2 | 133.8 |
| 152 | 54.5 | 42.0 | 63.0 |

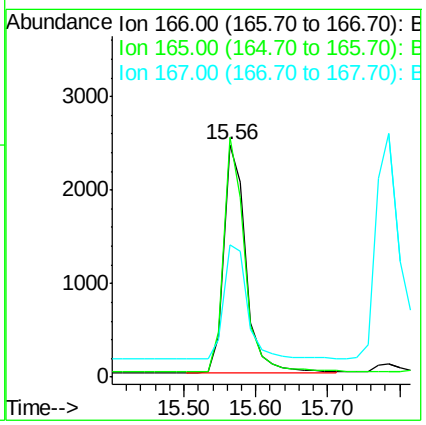


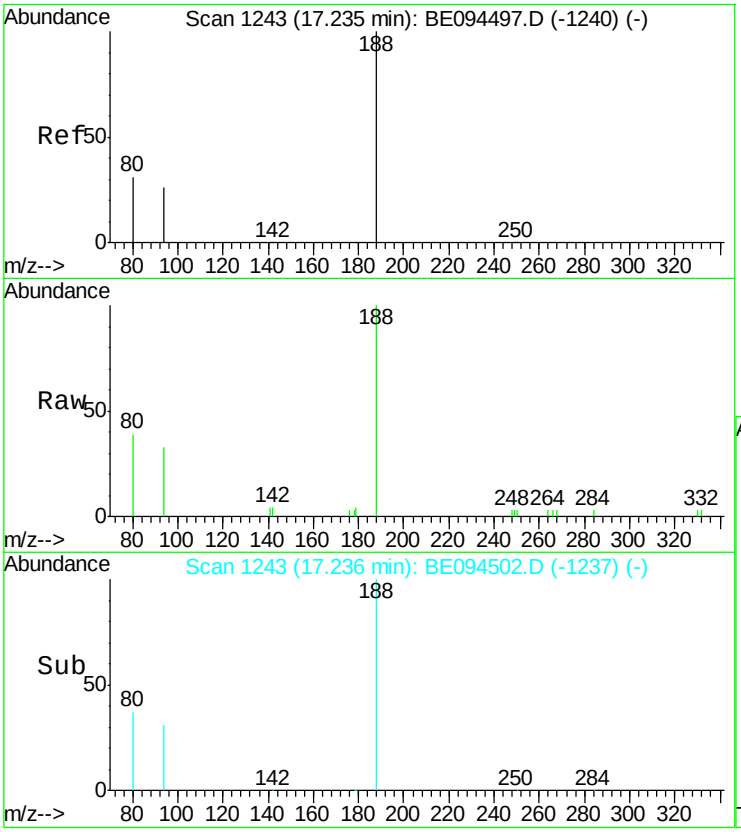




#18
Fluorene
Concen: 0.34 ng
RT: 15.56 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

Tgt Ion:166 Resp: 5141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.1 | 77.8 | 116.6 |
| 167 | 54.9 | 42.4 | 63.6 |



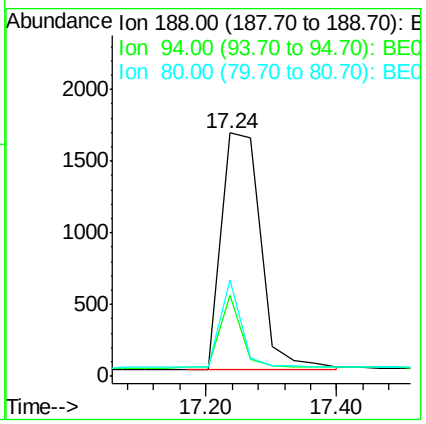


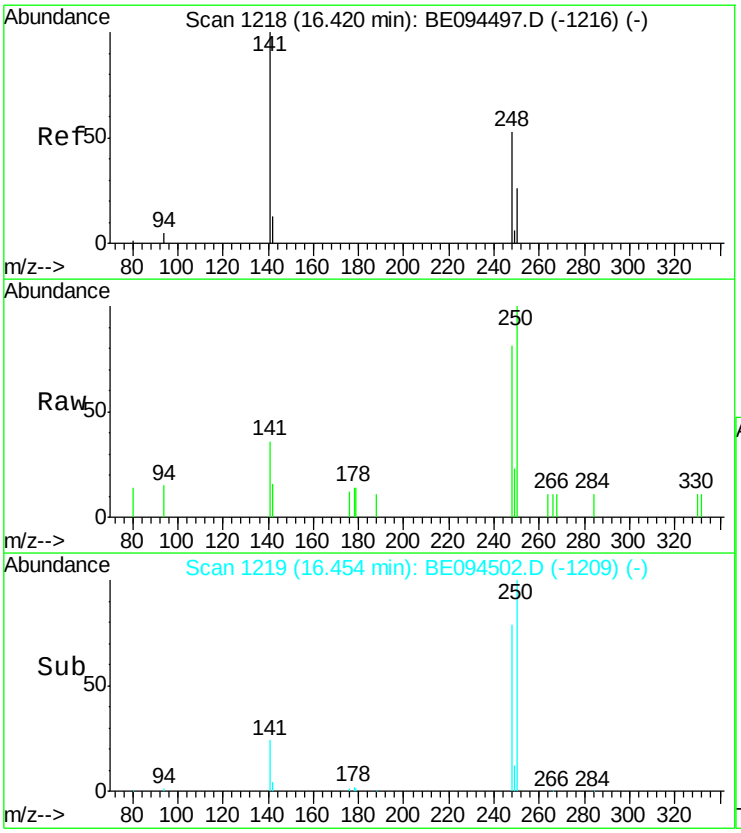

#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion:188 Resp: 6941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 33.1 | 3.9 | 5.9# |
| 80 | 39.4 | 3.6 | 5.4# |

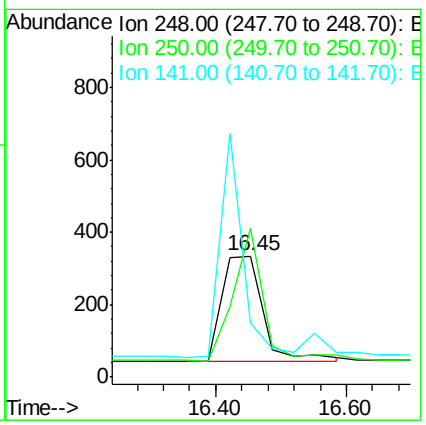


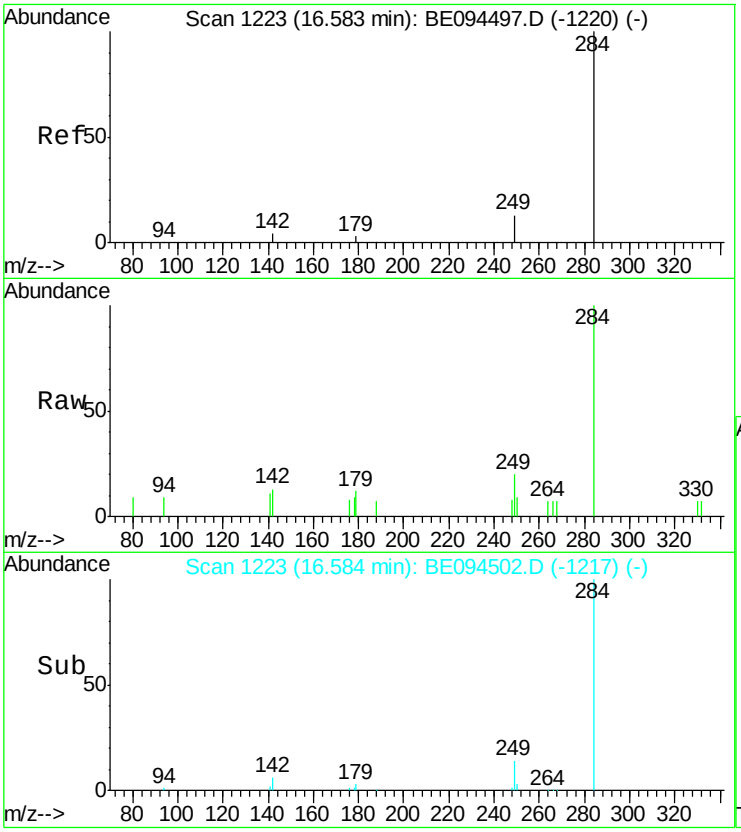




#20
4-Bromophenyl-phenylether
Concen: 0.33 ng
RT: 16.45 min Scan# 1219
Delta R.T. 0.03 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

Tgt Ion:248 Resp: 1254

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 123.0 | 62.7 | 94.1# |
| 141 | 44.8 | 48.2 | 72.2# |



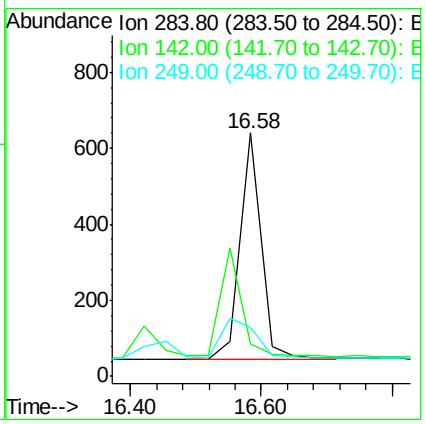


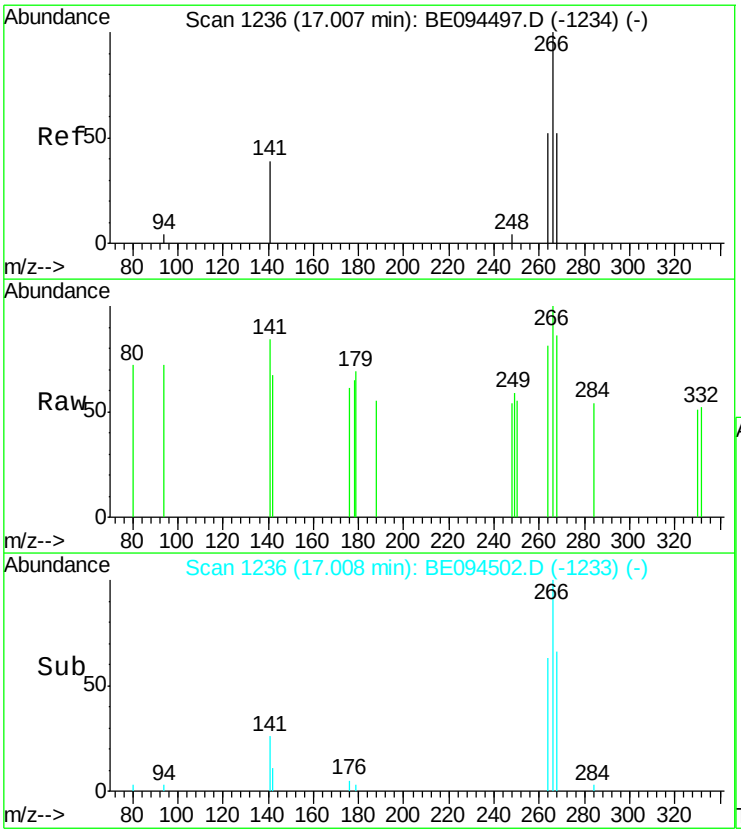

#21
Hexachlorobenzene
Concen: 0.41 ng
RT: 16.58 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion:284 Resp: 1353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 0.0 | 22.1 | 33.1# |
| 249 | 0.0 | 34.8 | 52.2# |

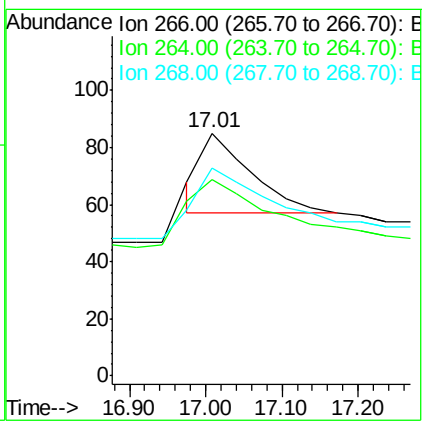


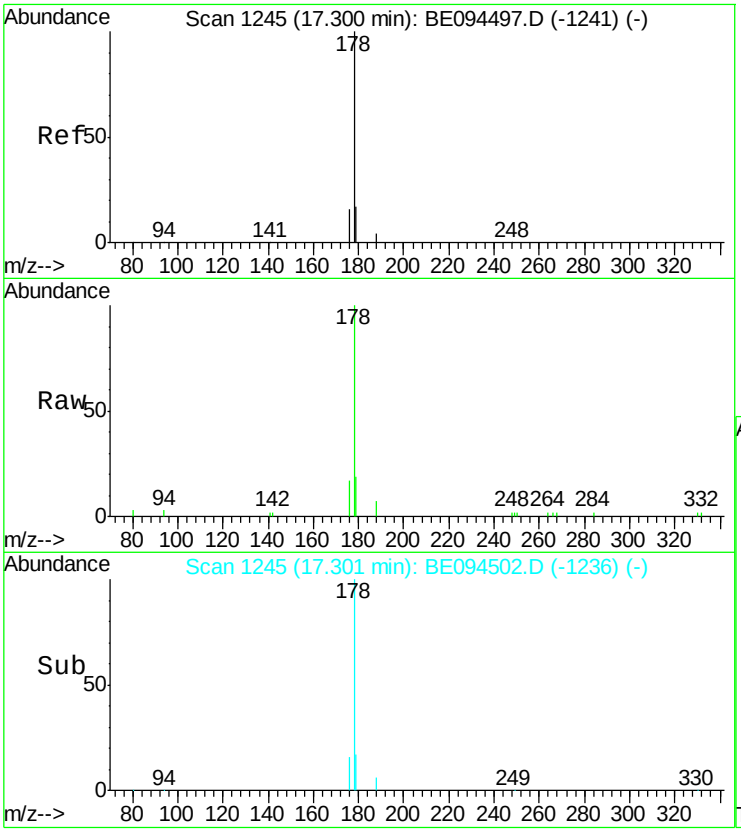




#22
Pentachlorophenol
Concen: 0.30 ng
RT: 17.01 min Scan# 1236
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

Tgt Ion:266 Resp: 127

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 81.2 | 72.5 | 108.7 |
| 268 | 85.9 | 73.8 | 110.6 |



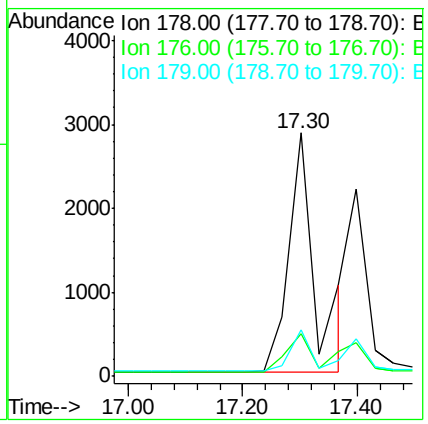


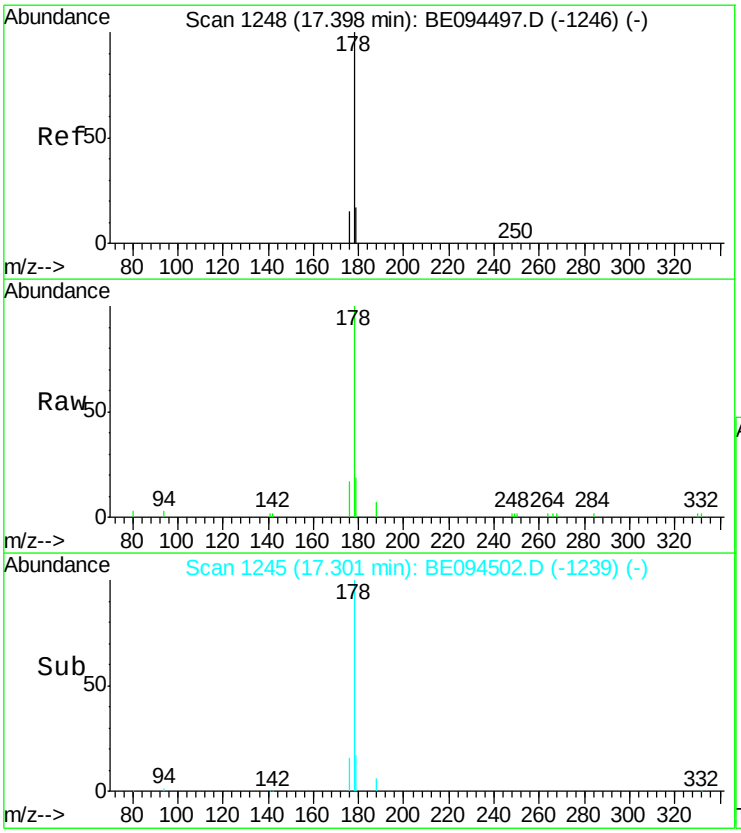

#23
Phenanthrene
Concen: 0.52 ng
RT: 17.30 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion:178 Resp: 9284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 14.2 | 15.1 | 22.7# |
| 179 | 15.4 | 11.8 | 17.6 |

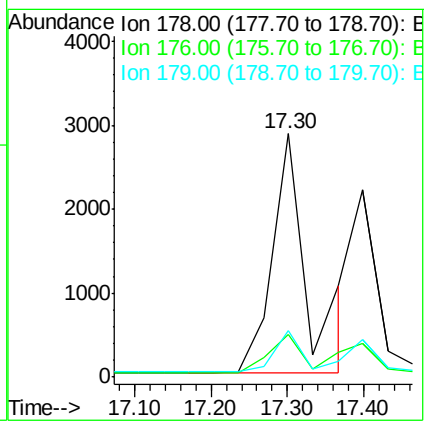


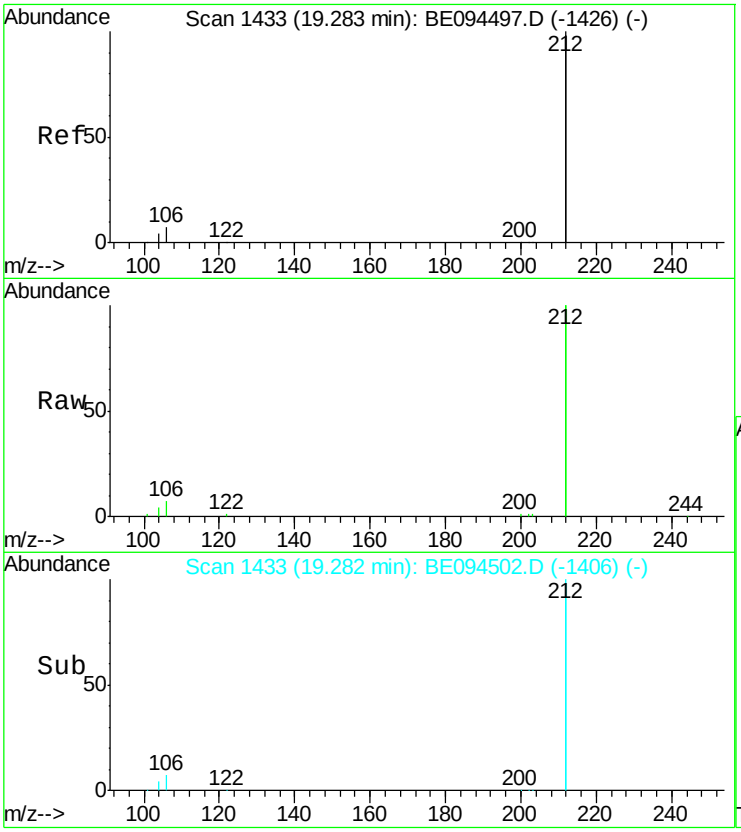




#24
Anthracene
Concen: 0.45 ng
RT: 17.30 min Scan# 1245
Delta R.T. -0.10 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

Tgt Ion:178 Resp: 9269

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 14.2 | 12.8 | 19.2 |
| 179 | 15.3 | 13.0 | 19.6 |



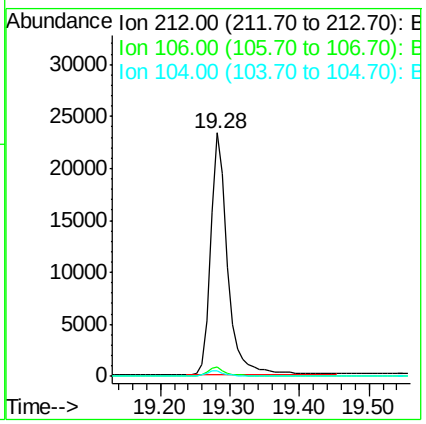


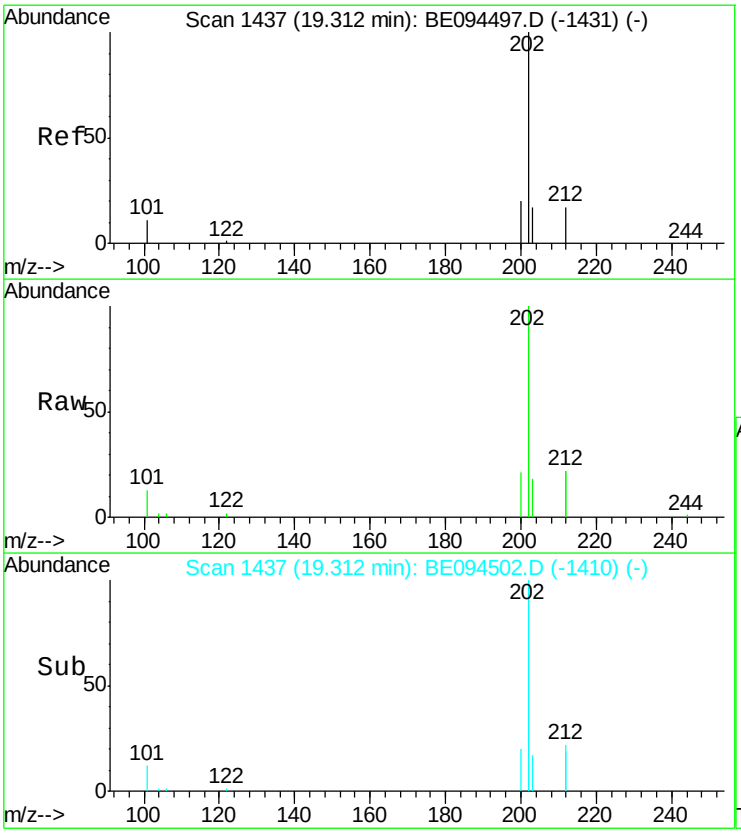

#25
Fluoranthene-d10
Concen: 0.47 ng
RT: 19.28 min Scan# 1433
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion:212 Resp: 38982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 3.6 | 2.8 | 4.2 |
| 104 | 2.0 | 1.6 | 2.4 |

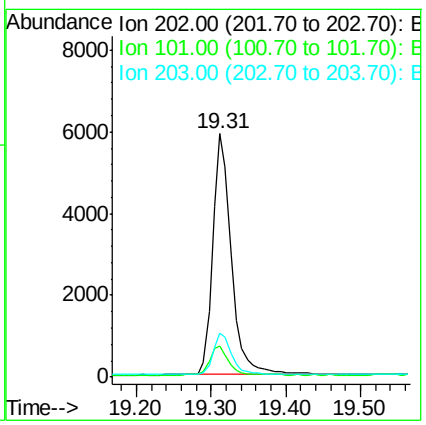


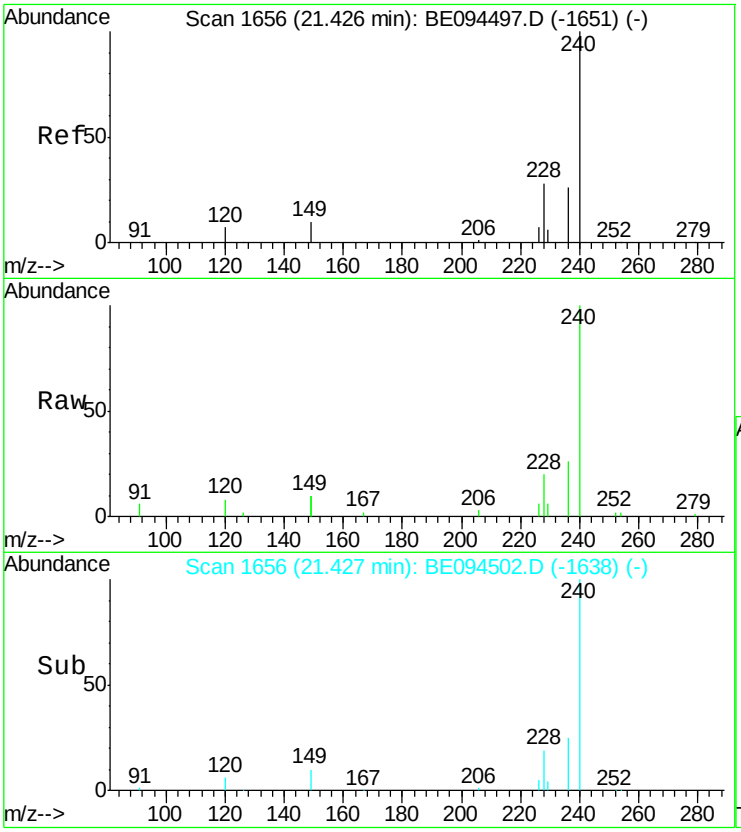




#26
Fluoranthene
Concen: 0.40 ng
RT: 19.31 min Scan# 1437
Delta R.T. -0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

Tgt Ion:202 Resp: 10342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.3 | 9.8 | 14.8 |
| 203 | 17.2 | 13.7 | 20.5 |



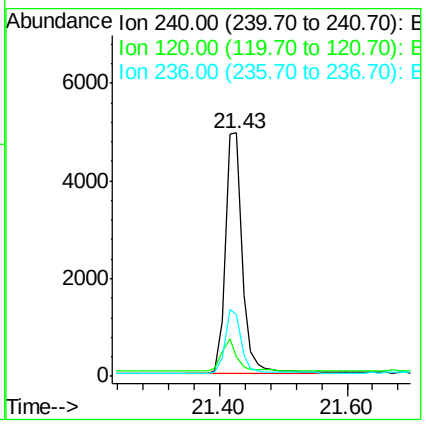


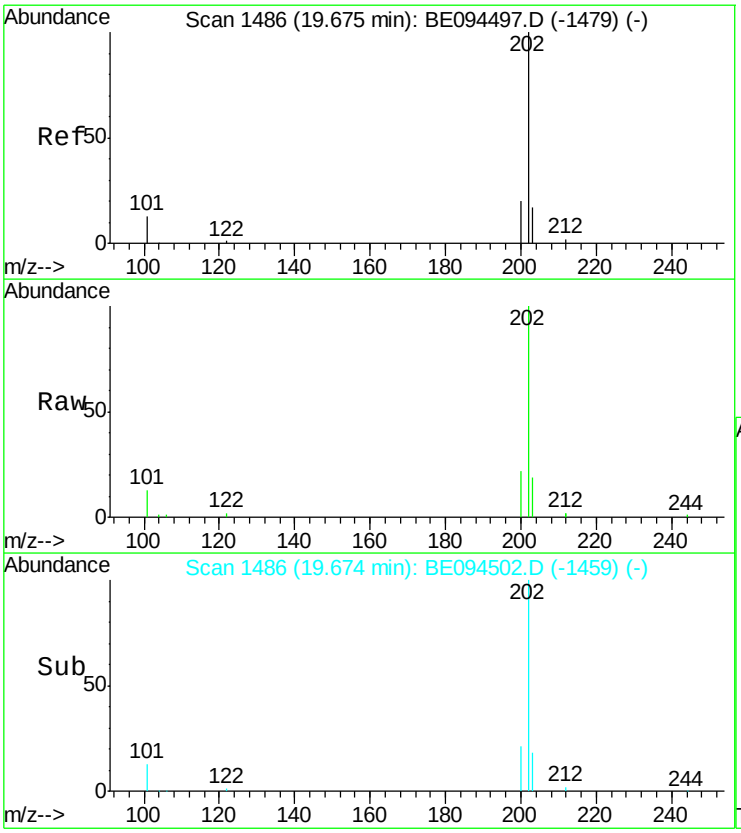

#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.43 min Scan# 1656
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion:240 Resp: 9069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 8.2 | 5.5 | 8.3 |
| 236 | 25.6 | 20.7 | 31.1 |

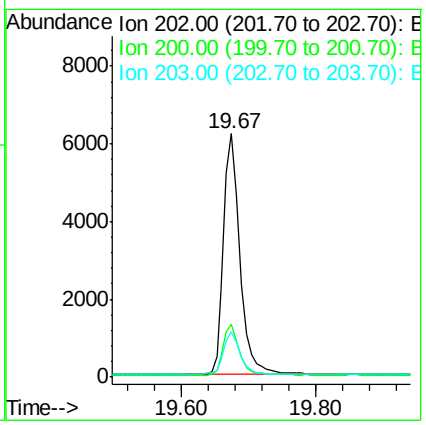


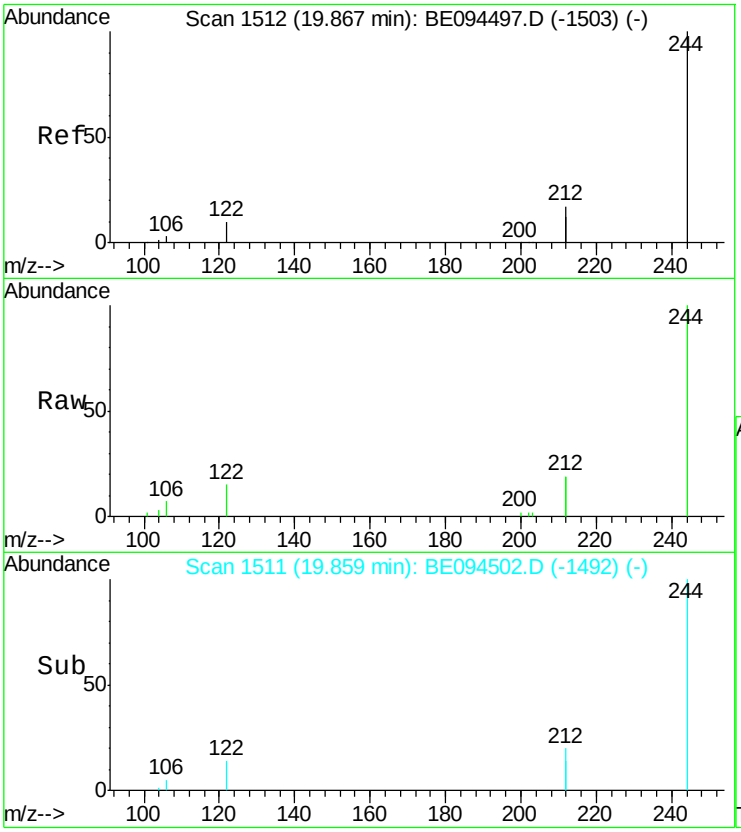




#28
Pyrene
Concen: 0.33 ng
RT: 19.67 min Scan# 1486
Delta R.T. -0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

Tgt Ion:202 Resp: 10573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.6 | 16.6 | 25.0 |
| 203 | 18.2 | 13.8 | 20.8 |



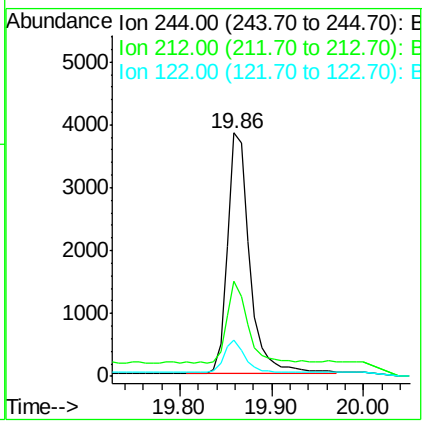


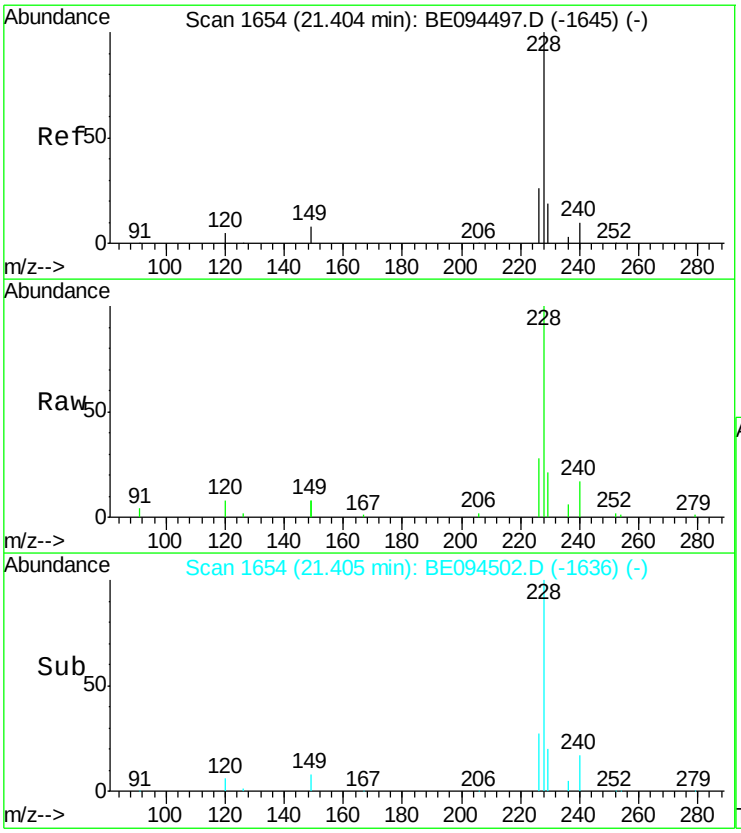

#29
Terphenyl-d14
Concen: 0.37 ng
RT: 19.86 min Scan# 1511
Delta R.T. -0.01 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion:244 Resp: 6367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 38.8 | 25.4 | 38.0# |
| 122 | 14.9 | 8.1 | 12.1# |

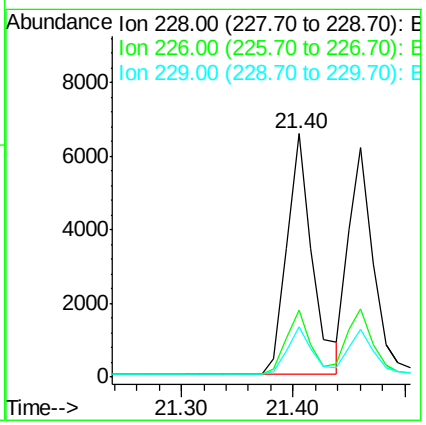


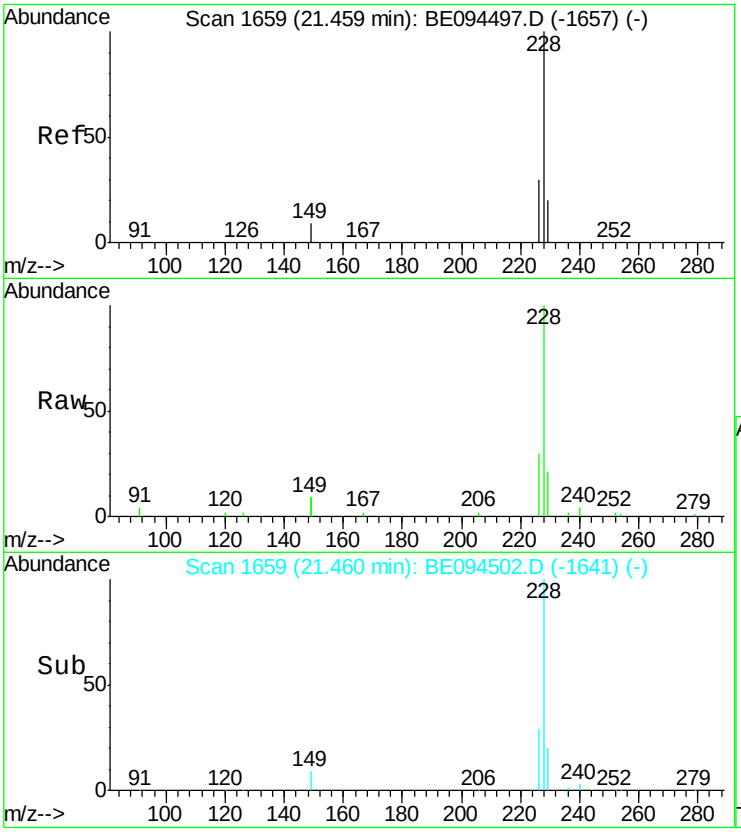




#30
Benzo(a)anthracene
Concen: 0.35 ng
RT: 21.40 min Scan# 1654
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

Tgt Ion:228 Resp: 10425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.6 | 40.0 | 60.0# |
| 229 | 20.6 | 40.0 | 60.0# |



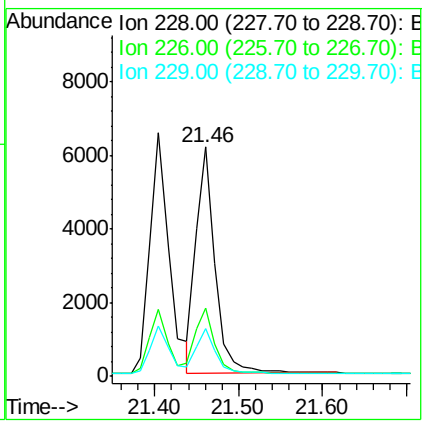


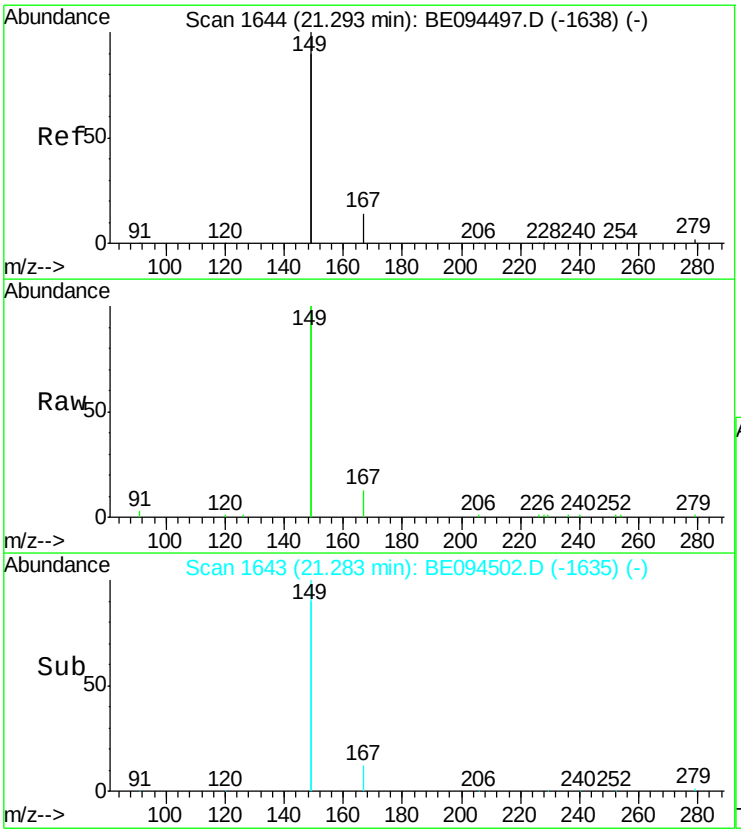

#31
Chrysene
Concen: 0.33 ng
RT: 21.46 min Scan# 1659
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion:228 Resp: 9819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.7 | 40.0 | 60.0# |
| 229 | 20.8 | 40.0 | 60.0# |

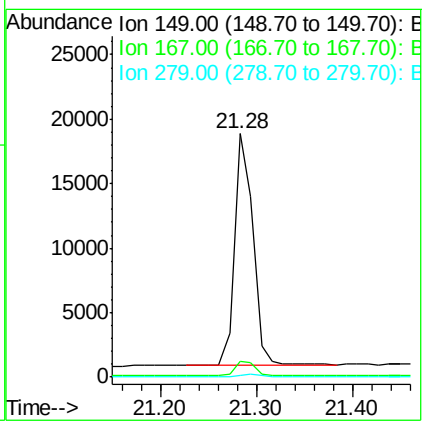


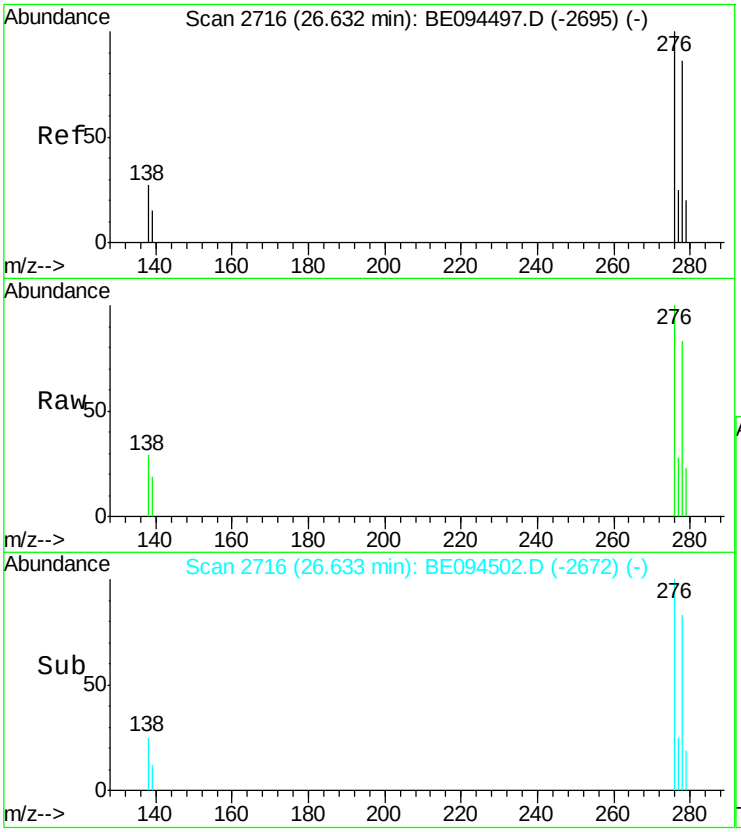




#32
Bis(2-ethylhexyl)phthalate
Concen: 0.33 ng
RT: 21.28 min Scan# 1643
Delta R.T. -0.01 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

Tgt Ion:149 Resp: 24198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 6.7 | 5.4 | 8.0 |
| 279 | 0.9 | 0.7 | 1.1 |



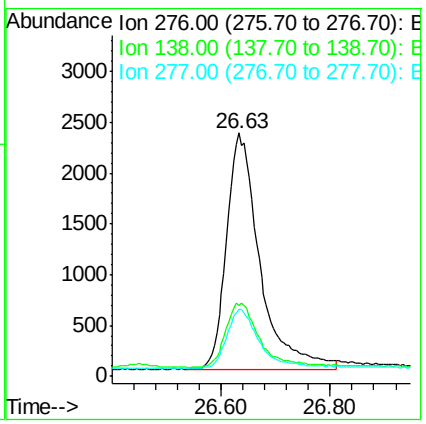


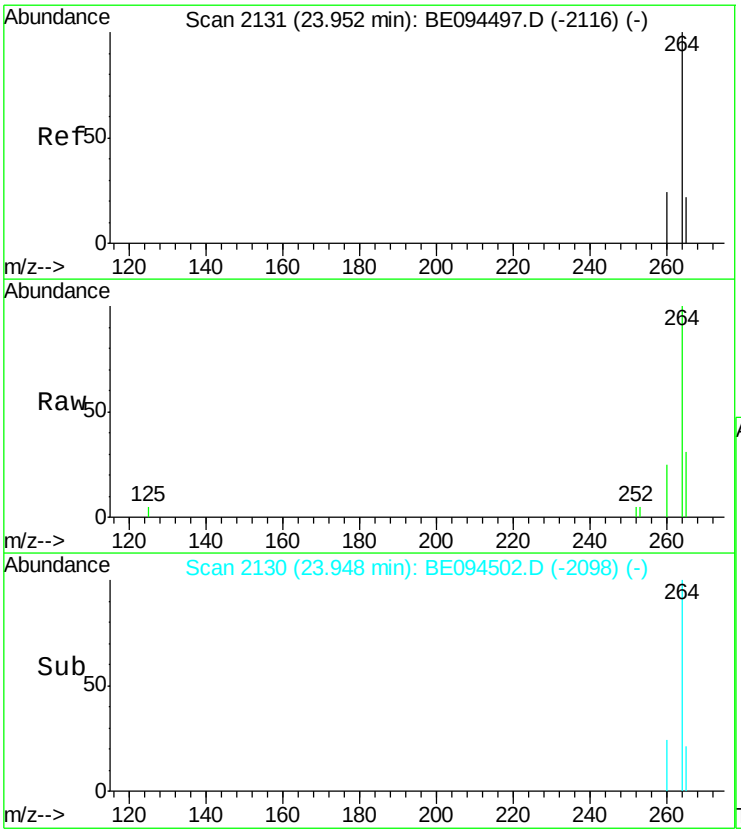

#33
Indeno(1,2,3-cd)pyrene
Concen: 0.36 ng
RT: 26.63 min Scan# 2716
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion:276 Resp: 9846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.9 | 22.5 | 33.7 |
| 277 | 24.1 | 19.9 | 29.9 |

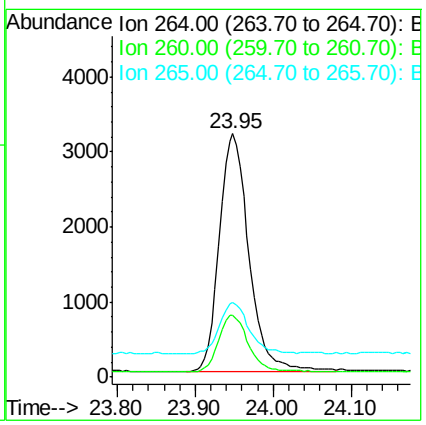


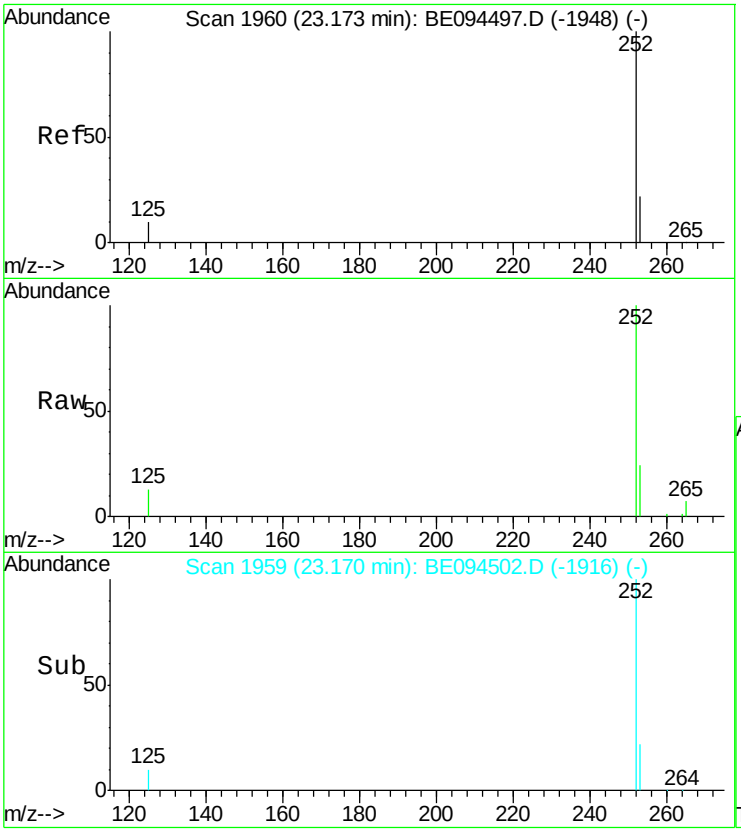




#34
Perylene-d12
Concen: 0.40 ng
RT: 23.95 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

Tgt Ion:264 Resp: 8370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.4 | 20.5 | 30.7 |
| 265 | 30.5 | 22.8 | 34.2 |



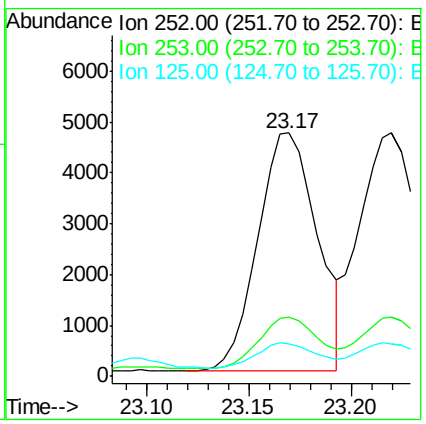


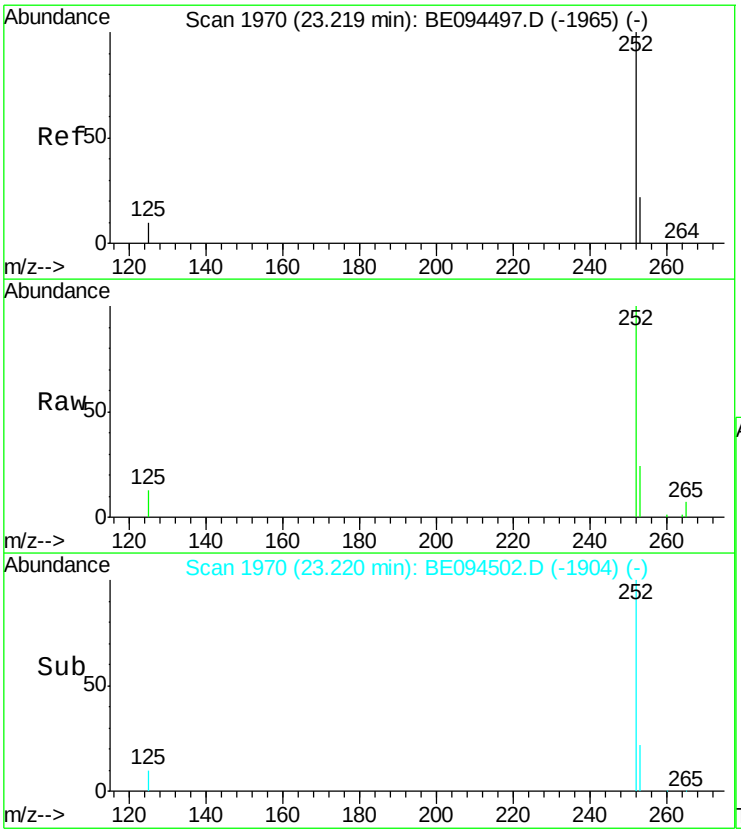

#35
Benzo(b)fluoranthene
Concen: 0.35 ng
RT: 23.17 min Scan# 1959
Delta R.T. -0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion:252 Resp: 9477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.5 | 48.0 | 72.0# |
| 125 | 13.3 | 56.0 | 84.0# |

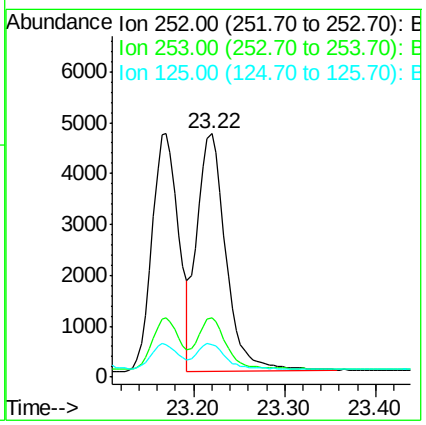


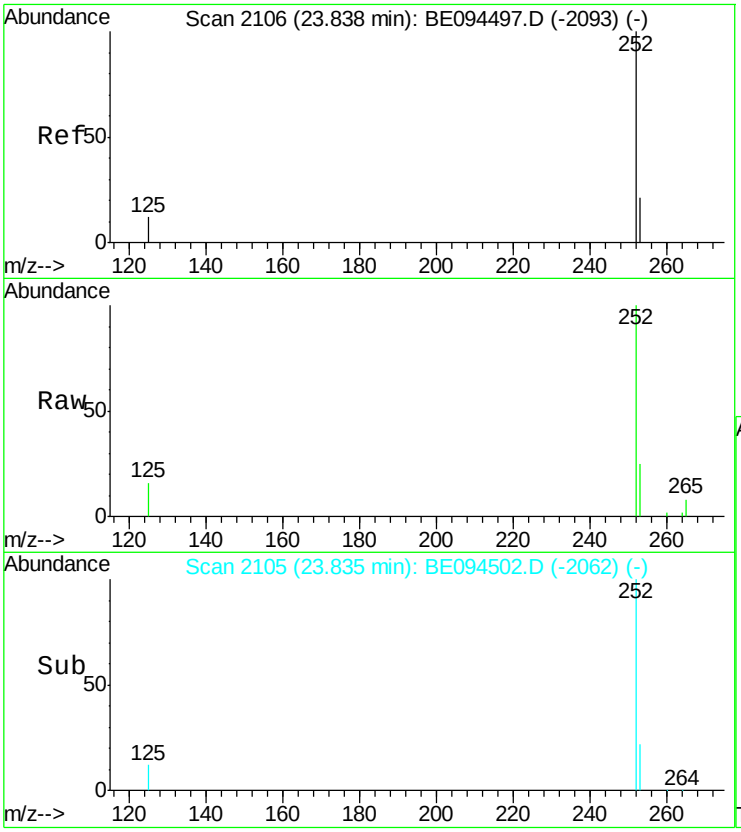




#36
Benzo(k)fluoranthene
Concen: 0.36 ng
RT: 23.22 min Scan# 1970
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

Tgt Ion:252 Resp: 10297

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.3 | 48.0 | 72.0# |
| 125 | 13.4 | 56.0 | 84.0# |



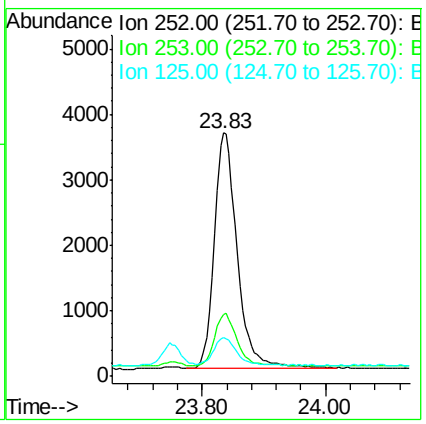


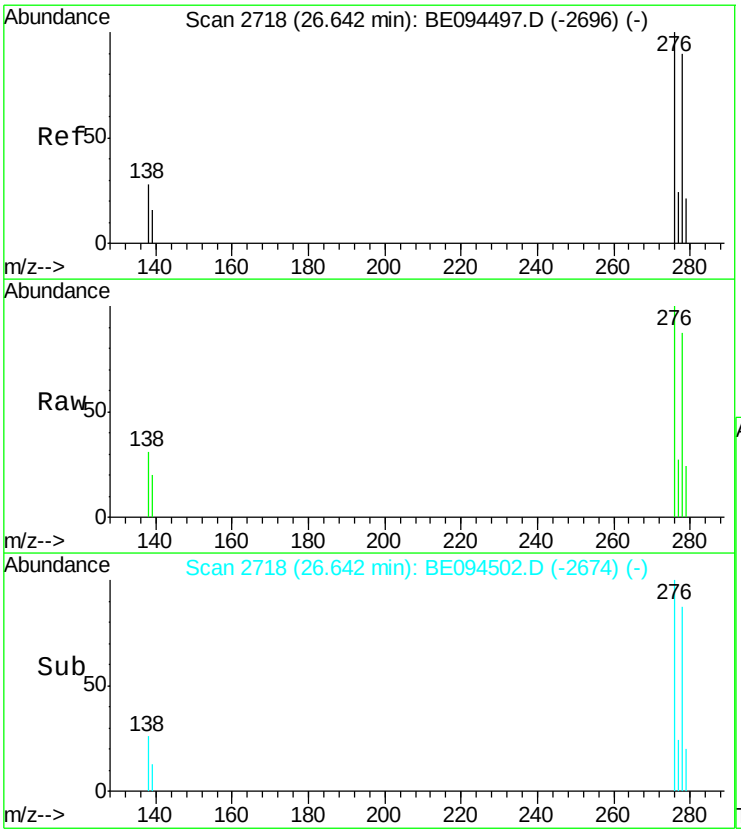

#37
Benzo(a)pyrene
Concen: 0.35 ng
RT: 23.83 min Scan# 2105
Delta R.T. -0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion:252 Resp: 9288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.2 | 52.0 | 78.0# |
| 125 | 16.0 | 68.0 | 102.0# |

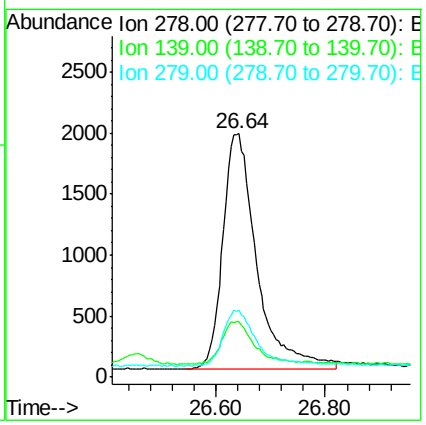


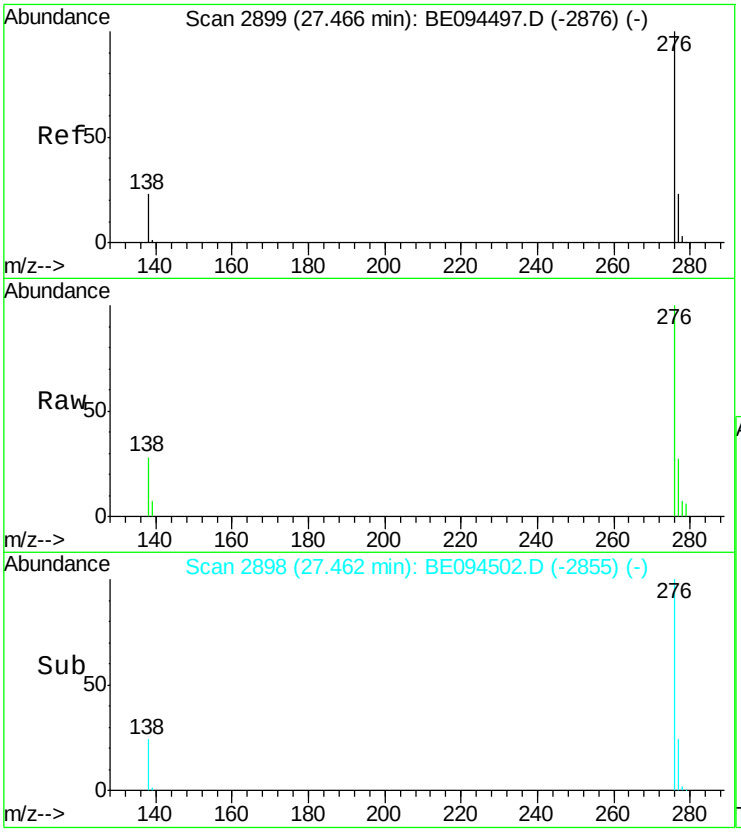




#38
Dibenzo(a,h)anthracene
Concen: 0.35 ng
RT: 26.64 min Scan# 2718
Delta R.T. 0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

Tgt Ion:278 Resp: 8355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 22.8 | 56.0 | 84.0# |
| 279 | 27.3 | 52.0 | 78.0# |






#39
Benzo(g,h,i)perylene
Concen: 0.36 ng
RT: 27.46 min Scan# 2898
Delta R.T. -0.00 min
Lab File: BE094502.D
Acq: 23 Oct 2017 19:09

**Instrument :**
BNA_E
**ClientSampleId :**
PB103539BS

Tgt Ion:276 Resp: 7863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 27.5 | 52.0 | 78.0# |
| 138 | 28.2 | 44.0 | 66.0# |