Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112817\
Data File : BE094884.D
Acq On : 28 Nov 2017 15:11
Operator : SJ/JU
Sample : I6496-05DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** C0AB5DL

Quant Time: Nov 29 01:14:04 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE111417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 29 01:10:42 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.91 | 152 | 579 | 0.40 | ng/ul | -0.04 |
| 2) Naphthalene-d8 | 10.71 | 136 | 3943 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.51 | 164 | 2777 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.24 | 188 | 6619 | 0.40 | ng/ul | -0.02 |
| 16) Chrysene-d12 | 21.42 | 240 | 6784 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.96 | 264 | 6983 | 0.40 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.34 | 152 | 261 | 0.04 | ng/ul | 0.04 |
| 14) Fluoranthene-d10 | 19.28 | 212 | 801 | 0.04 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.76 | 128 | 204 | 0.02 | ng/ul# | 32 |
| 7) Acenaphthylene | 14.24 | 152 | 293 | 0.02 | ng/ul# | 55 |
| 11) Pentachlorophenol | 17.05 | 266 | 11 | 0.03 | ng/ul# | 38 |
| 12) Phenanthrene | 17.29 | 178 | 3025 | 0.17 | ng/ul | 96 |
| 13) Anthracene | 17.29 | 178 | 3007 | 0.17 | ng/ul | 98 |
| 15) Fluoranthene | 19.31 | 202 | 9439 | 0.40 | ng/ul | 83 |
| 17) Pyrene | 19.67 | 202 | 8327 | 0.39 | ng/ul# | 78 |
| 18) Benzo(a)anthracene | 21.41 | 228 | 5238 | 0.25 | ng/ul# | 90 |
| 19) Chrysene | 21.46 | 228 | 5535 | 0.27 | ng/ul | 98 |
| 21) Benzo(b)fluoranthene | 23.18 | 252 | 11131 | 0.54 | ng/ul | 88 |
| 22) Benzo(k)fluoranthene | 23.18 | 252 | 11115 | 0.50 | ng/ul# | 90 |
| 23) Benzo(a)pyrene | 23.84 | 252 | 4973 | 0.24 | ng/ul# | 85 |
| 24) Indeno(1,2,3-cd)pyrene | 26.67 | 276 | 3800 | 0.17 | ng/ul# | 71 |
| 25) Dibenzo(a,h)anthracene | 26.66 | 278 | 1061 | 0.06 | ng/ul# | 77 |
| 26) Benzo(g,h,i)perylene | 27.52 | 276 | 3068 | 0.16 | ng/ul# | 93 |

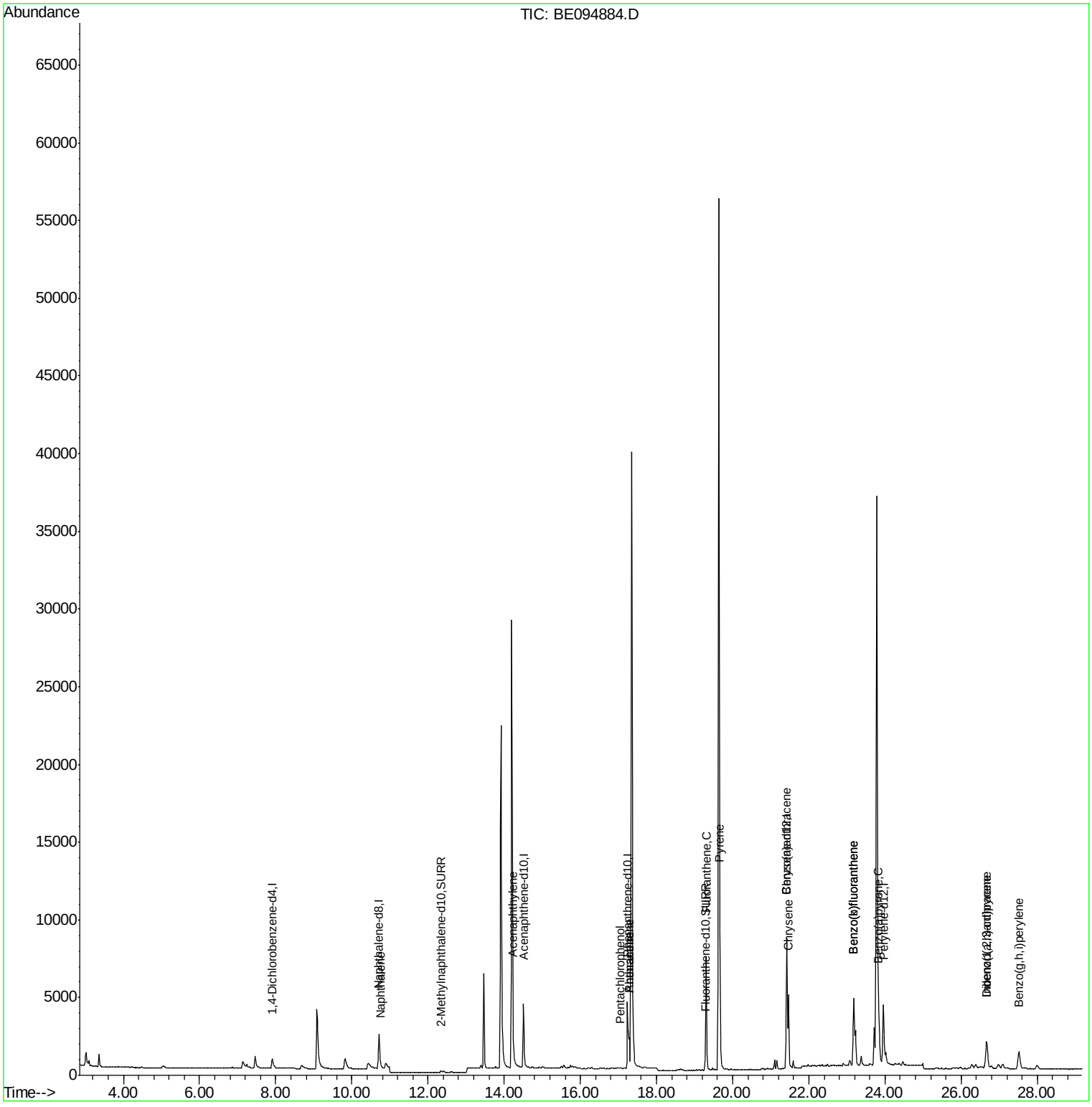
(#) = qualifier out of range (m) = manual integration (+) = signals summed

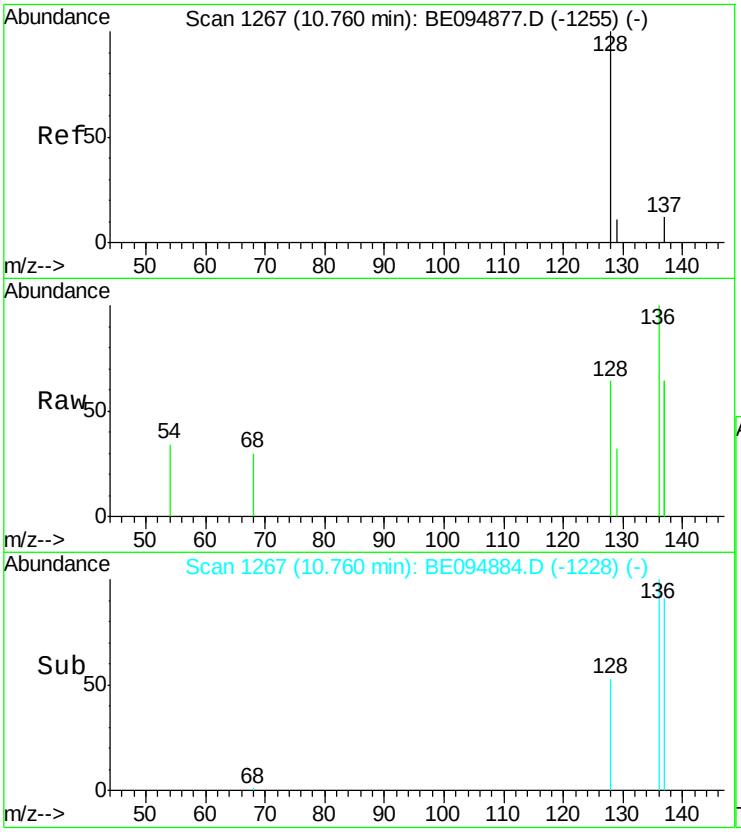
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE112817\
Data File : BE094884.D
Acq On : 28 Nov 2017 15:11
Operator : SJ/JU
Sample : I6496-05DL 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
C0AB5DL

Quant Time: Nov 29 01:14:04 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE111417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 29 01:10:42 2017
Response via : Initial Calibration



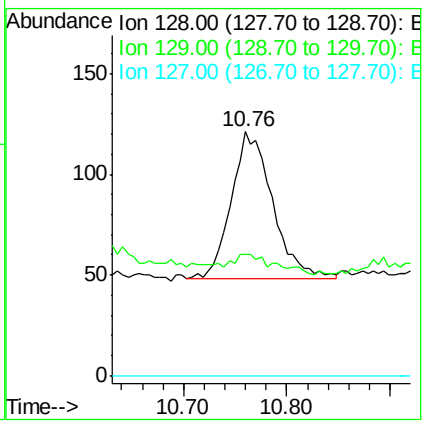


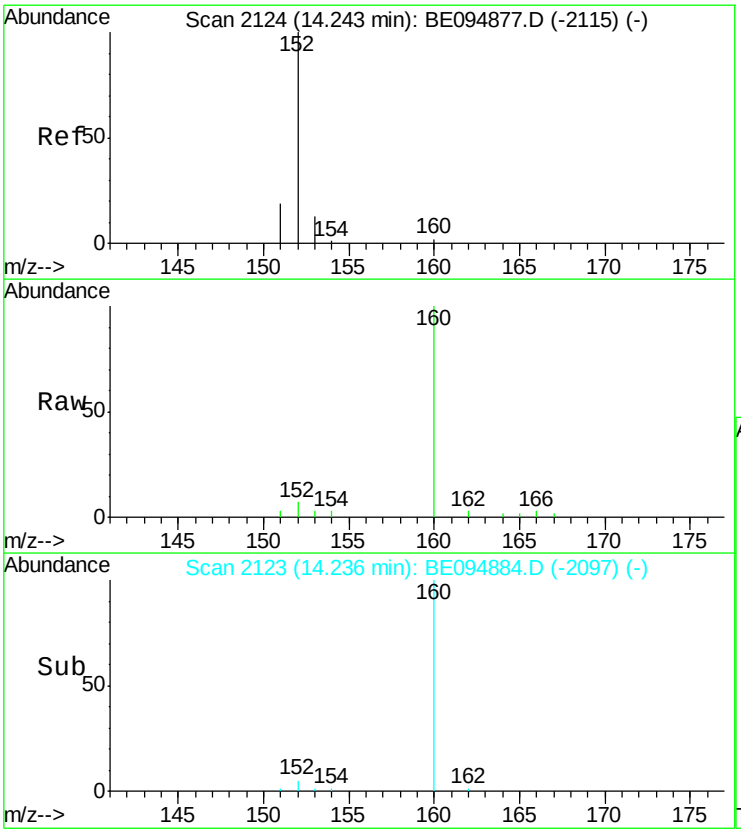

#3
Naphthalene
Concen: 0.02 ng/ul
RT: 10.76 min Scan# 1267
Delta R.T. 0.00 min
Lab File: BE094884.D
Acq: 28 Nov 2017 15:11

**Instrument :**
BNA_E
**ClientSampleId :**
C0AB5DL

Tgt Ion:128 Resp: 204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 49.6 | 11.3 | 16.9# |
| 127 | 0.0 | 4.0 | 6.0# |

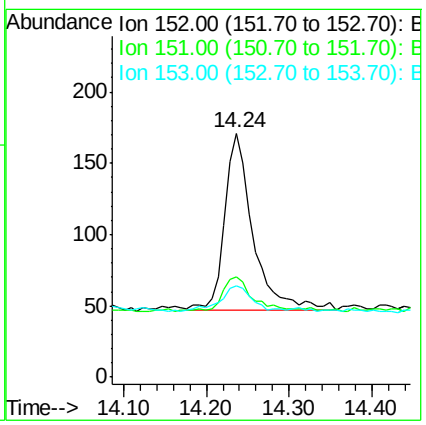


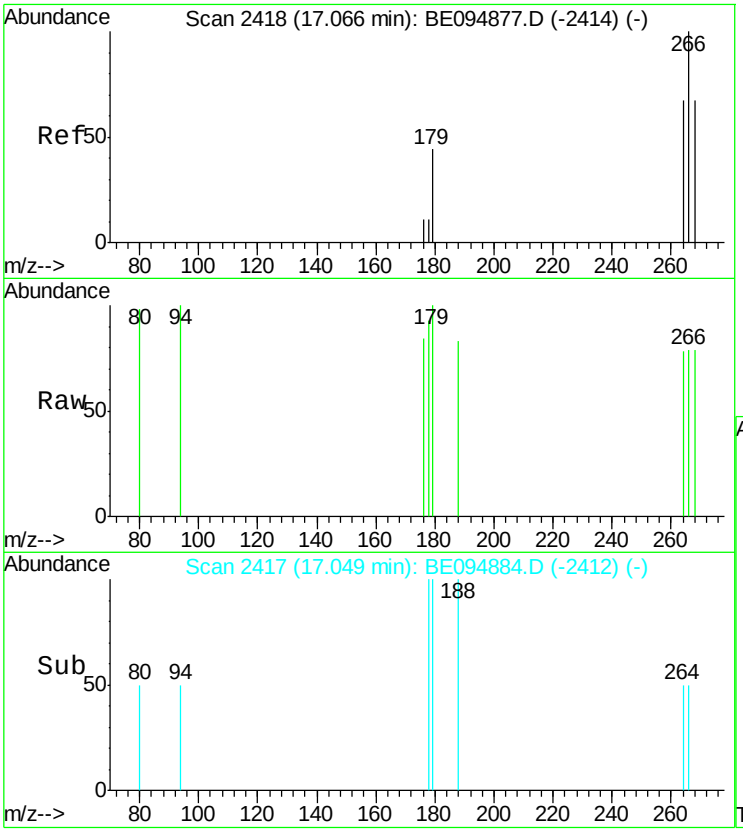




#7
Acenaphthylene
Concen: 0.02 ng/ul
RT: 14.24 min Scan# 2123
Delta R.T. -0.01 min
Lab File: BE094884.D
Acq: 28 Nov 2017 15:11

Tgt Ion:152 Resp: 293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 40.9 | 17.1 | 25.7# |
| 153 | 37.4 | 12.8 | 19.2# |



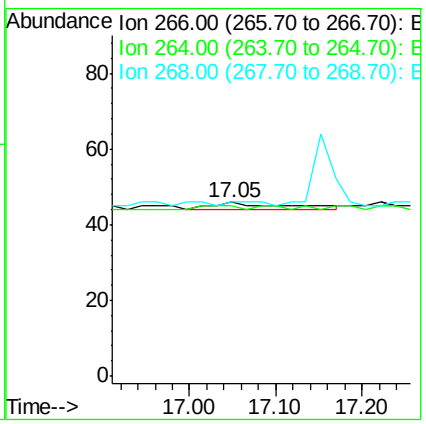


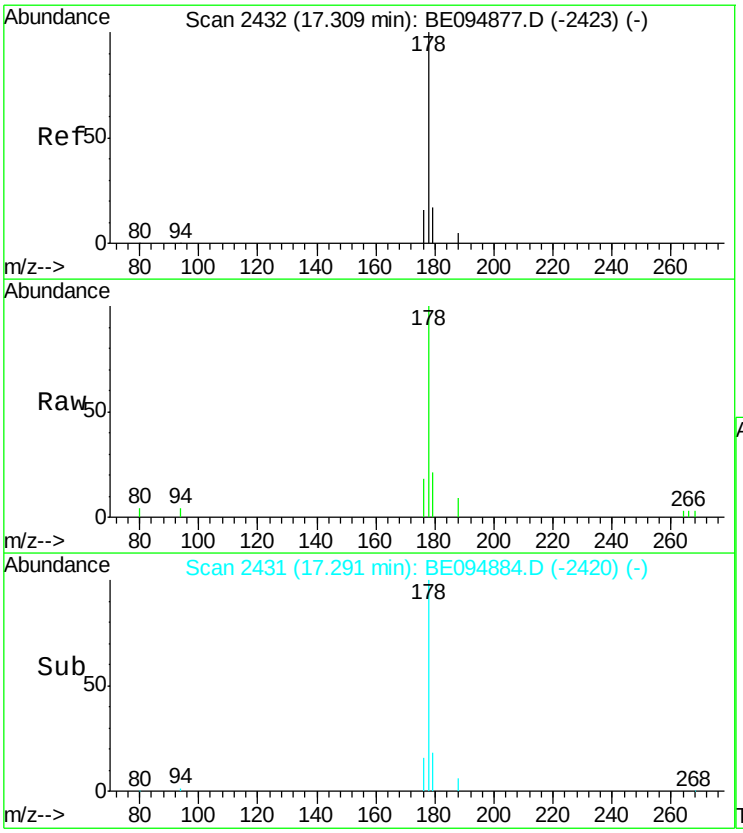

#11
Pentachlorophenol
Concen: 0.03 ng/ul
RT: 17.05 min Scan# 2417
Delta R.T. -0.02 min
Lab File: BE094884.D
Acq: 28 Nov 2017 15:11

**Instrument :**
BNA_E
**ClientSampleId :**
C0AB5DL

Tgt Ion:266 Resp: 11

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 0.0 | 47.9 | 71.9# |
| 268 | 27.3 | 49.8 | 74.8# |

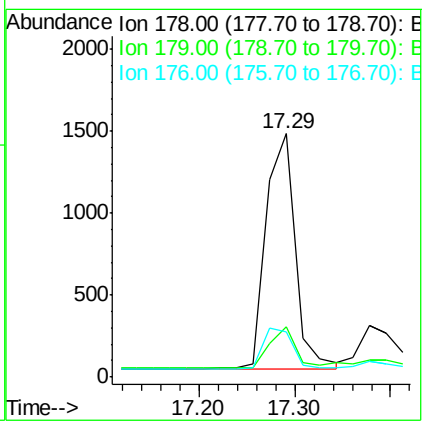


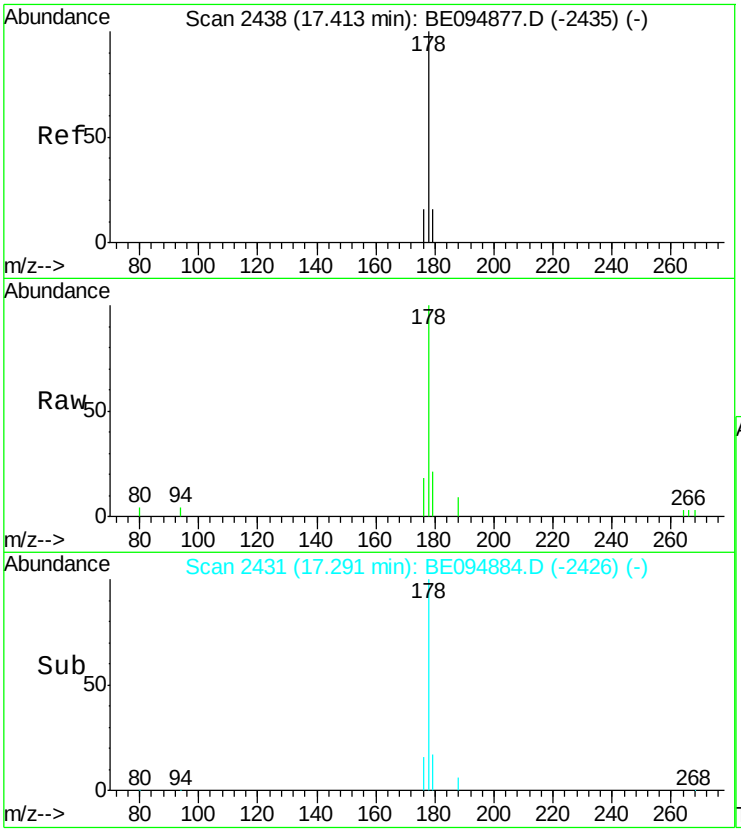




#12
Phenanthrene
Concen: 0.17 ng/ul
RT: 17.29 min Scan# 2431
Delta R.T. -0.02 min
Lab File: BE094884.D
Acq: 28 Nov 2017 15:11

Tgt Ion:178 Resp: 3025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 20.5 | 18.4 | 27.6 |
| 176 | 18.3 | 13.6 | 20.4 |



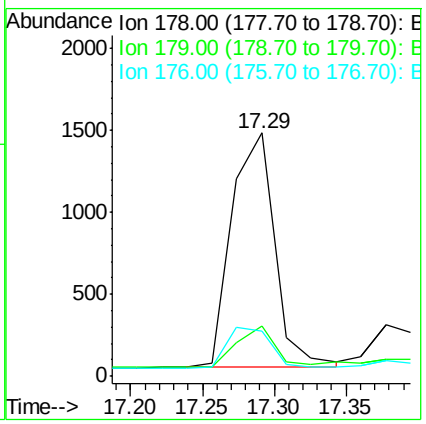


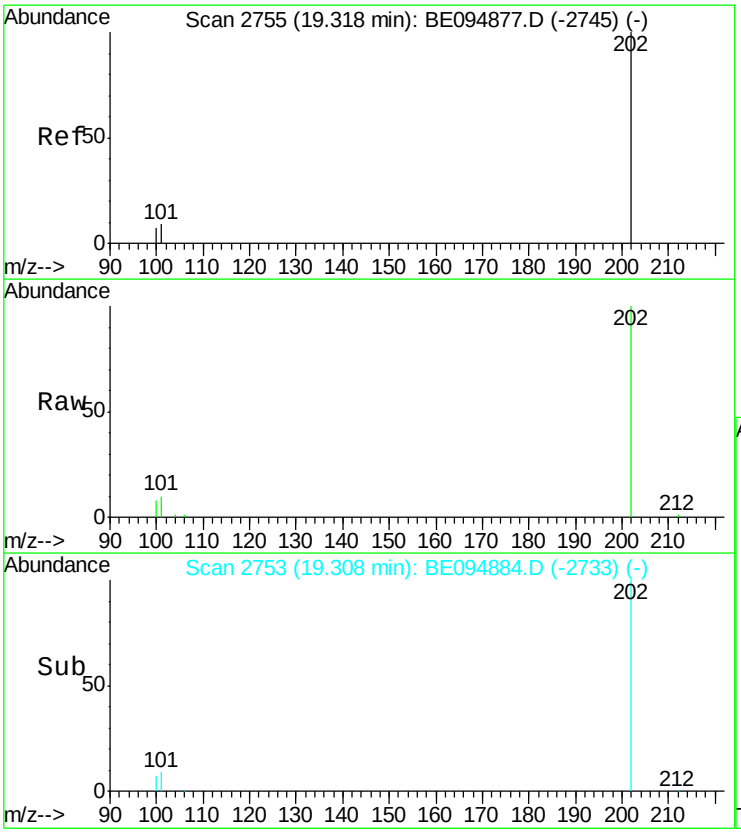

#13
Anthracene
Concen: 0.17 ng/ul
RT: 17.29 min Scan# 2431
Delta R.T. -0.12 min
Lab File: BE094884.D
Acq: 28 Nov 2017 15:11

**Instrument :**
BNA_E
**ClientSampleId :**
C0AB5DL

Tgt Ion:178 Resp: 3007

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 20.5 | 18.1 | 27.1 |
| 176 | 18.3 | 14.7 | 22.1 |

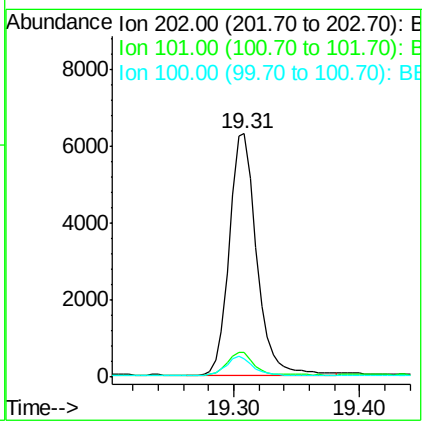


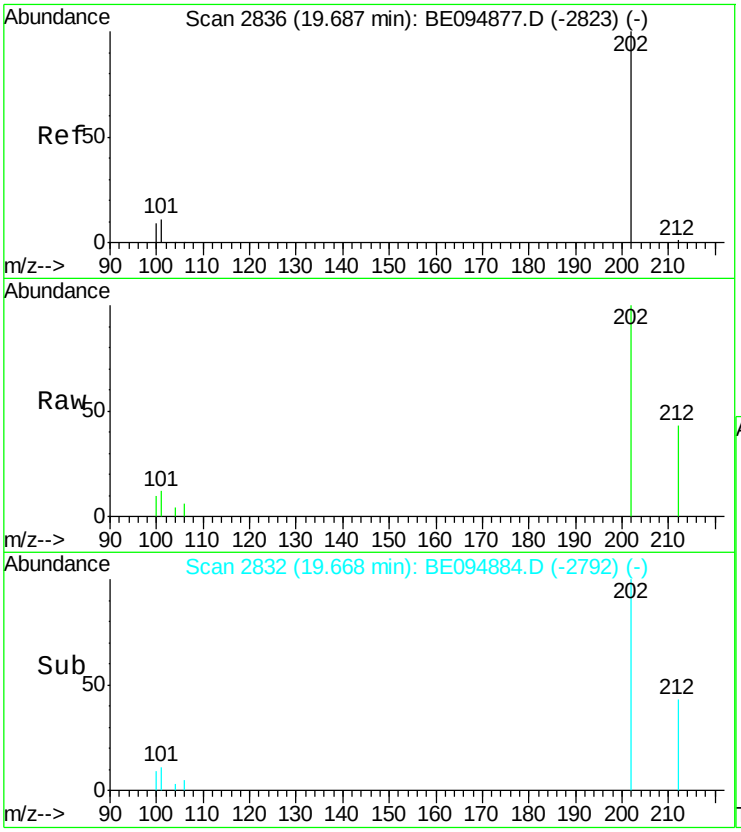




#15
Fluoranthene
Concen: 0.40 ng/ul
RT: 19.31 min Scan# 2753
Delta R.T. -0.01 min
Lab File: BE094884.D
Acq: 28 Nov 2017 15:11

Tgt Ion:202 Resp: 9439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.0 | 0.0 | 30.3 |
| 100 | 7.6 | 0.0 | 39.5 |



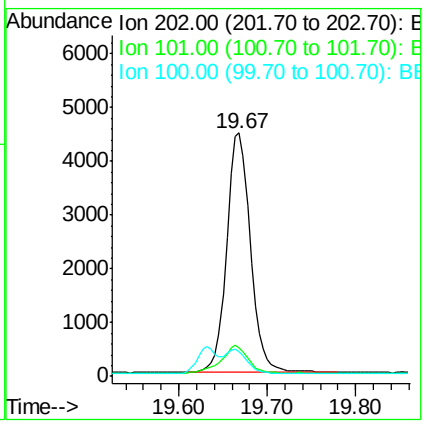


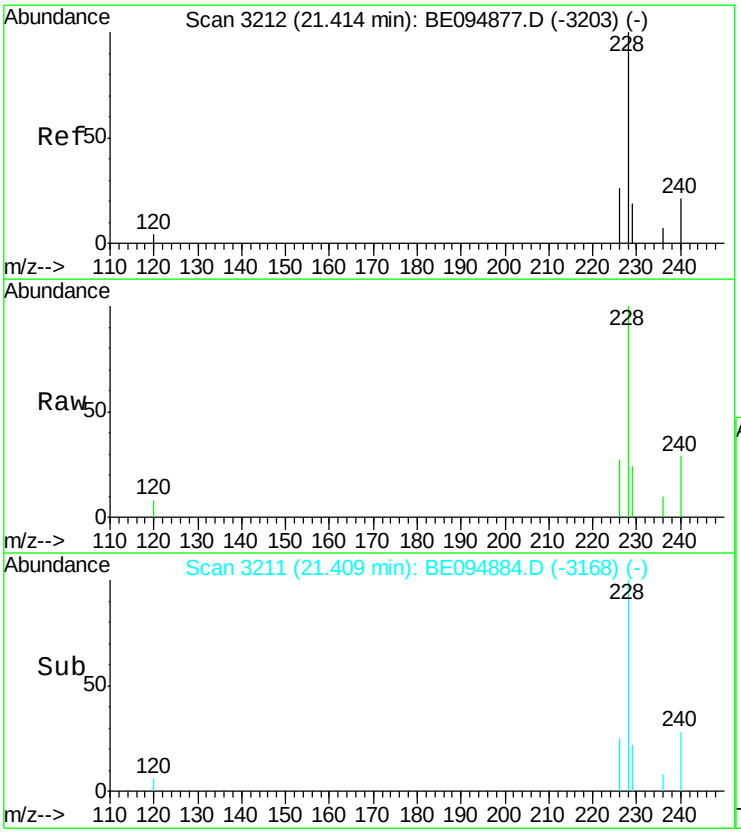

#17
Pyrene
Concen: 0.39 ng/ul
RT: 19.67 min Scan# 2832
Delta R.T. -0.02 min
Lab File: BE094884.D
Acq: 28 Nov 2017 15:11

**Instrument :**
BNA_E
**ClientSampleId :**
C0AB5DL

Tgt Ion:202 Resp: 8327

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.7 | 18.2 | 27.4# |
| 100 | 10.3 | 15.6 | 23.4# |

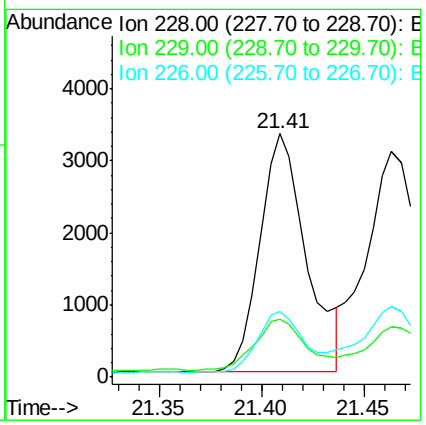


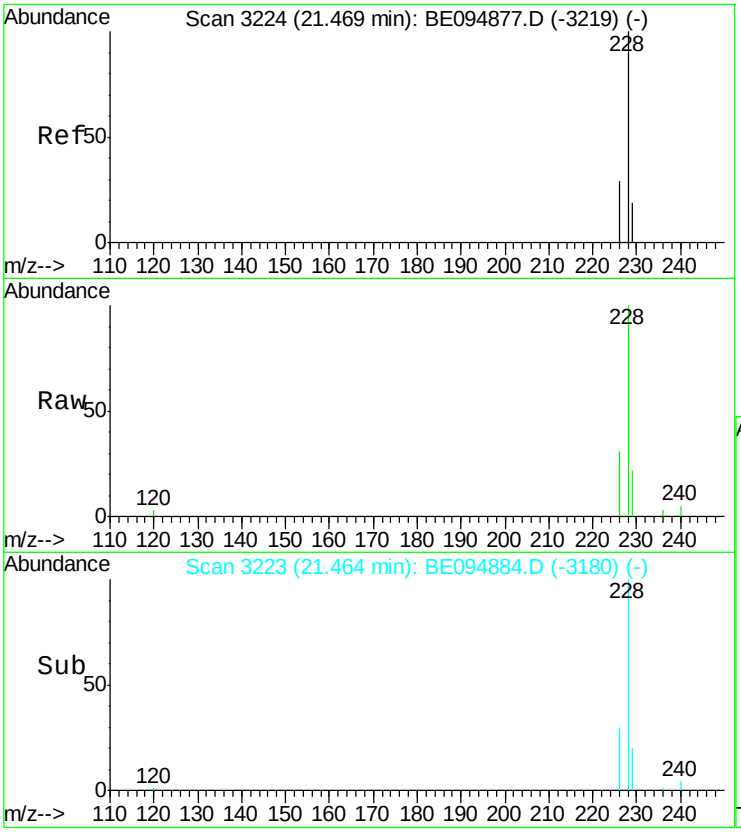




#18
Benzo(a)anthracene
Concen: 0.25 ng/ul
RT: 21.41 min Scan# 3211
Delta R.T. -0.00 min
Lab File: BE094884.D
Acq: 28 Nov 2017 15:11

Tgt Ion:228 Resp: 5238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 24.0 | 22.8 | 34.2 |
| 226 | 27.2 | 17.0 | 25.6# |



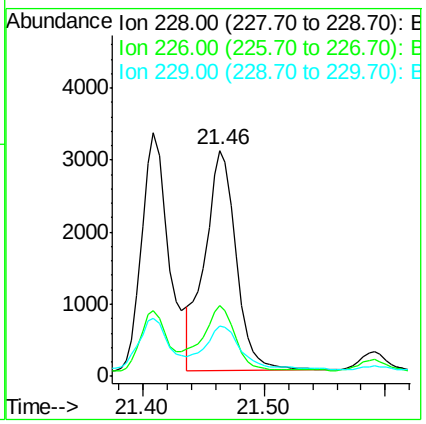


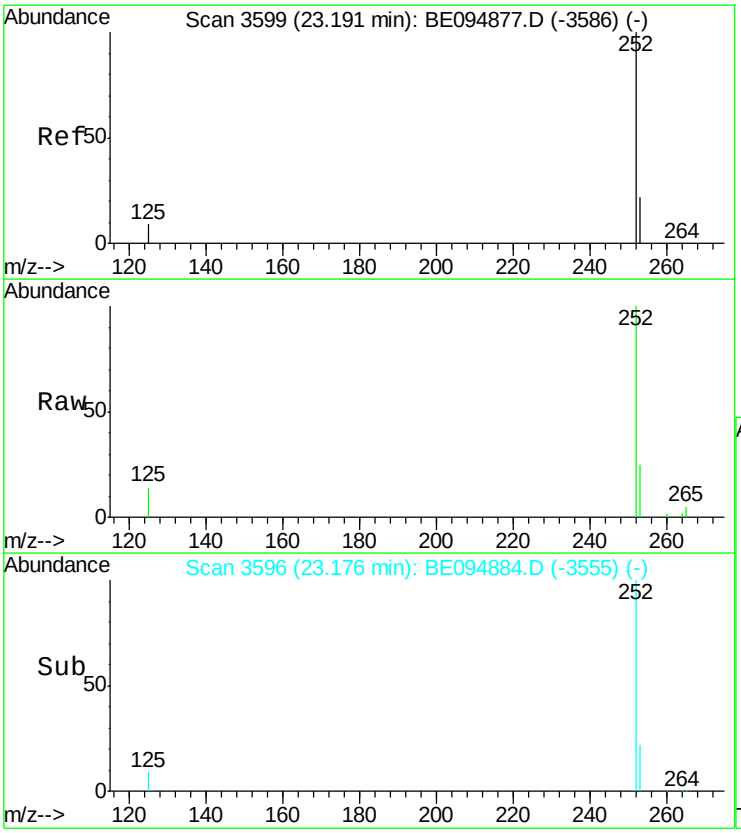

#19
Chrysene
Concen: 0.27 ng/ul
RT: 21.46 min Scan# 3223
Delta R.T. -0.00 min
Lab File: BE094884.D
Acq: 28 Nov 2017 15:11

**Instrument :**
BNA_E
**ClientSampleId :**
C0AB5DL

Tgt Ion:228 Resp: 5535

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.1 | 23.4 | 35.0 |
| 229 | 22.3 | 17.7 | 26.5 |

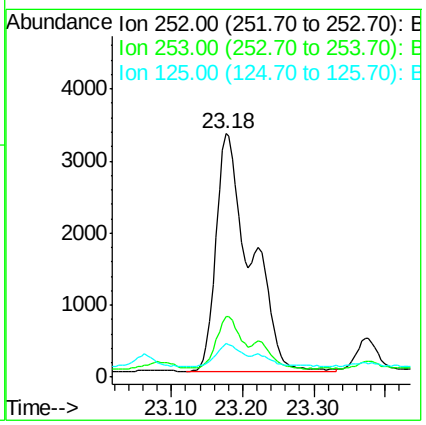


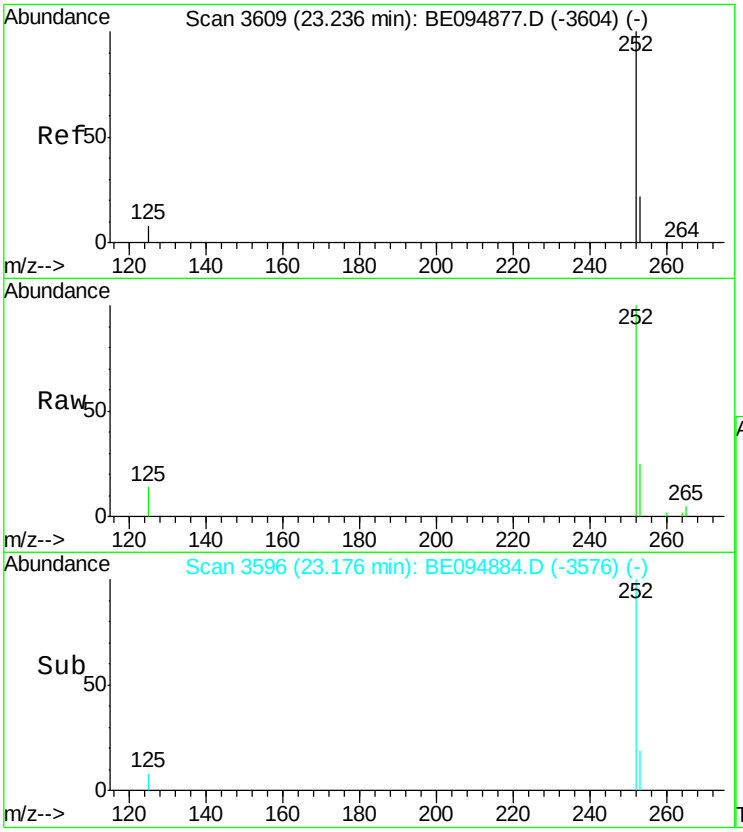




#21
Benzo(b)fluoranthene
Concen: 0.54 ng/ul
RT: 23.18 min Scan# 3596
Delta R.T. -0.01 min
Lab File: BE094884.D
Acq: 28 Nov 2017 15:11

Tgt Ion:252 Resp: 11131

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.7 | 0.0 | 64.2 |
| 125 | 13.7 | 0.0 | 35.0 |



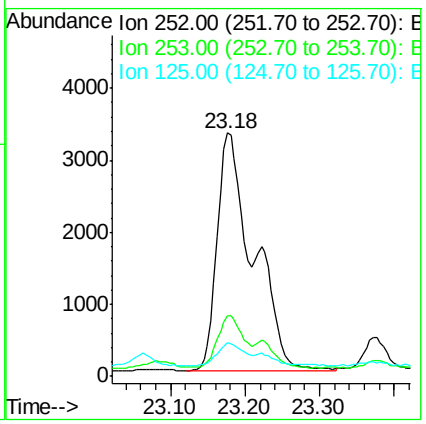


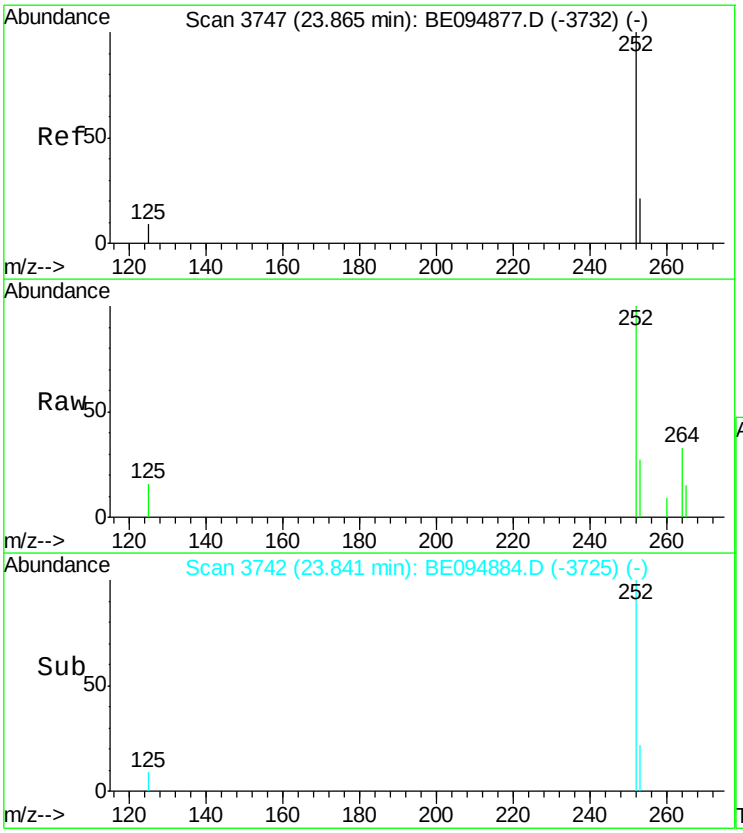

#22
Benzo(k)fluoranthene
Concen: 0.50 ng/ul
RT: 23.18 min Scan# 3596
Delta R.T. -0.06 min
Lab File: BE094884.D
Acq: 28 Nov 2017 15:11

**Instrument :**
BNA_E
**ClientSampleId :**
C0AB5DL

Tgt Ion:252 Resp: 11115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.7 | 24.5 | 36.7 |
| 125 | 13.7 | 13.7 | 20.5# |

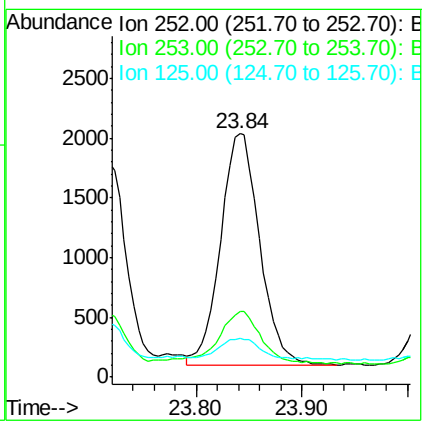


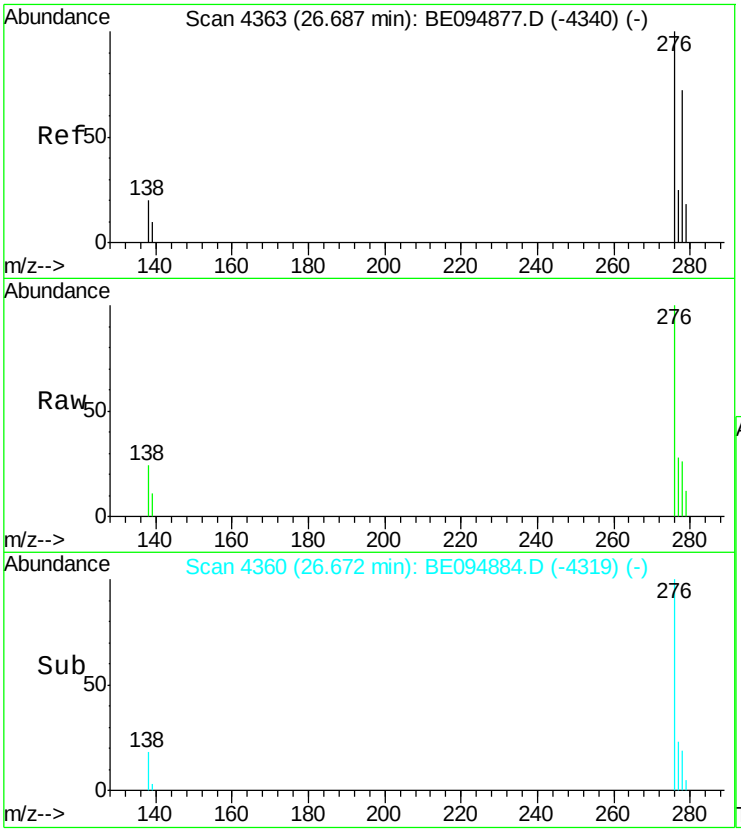




#23
Benzo(a)pyrene
Concen: 0.24 ng/ul
RT: 23.84 min Scan# 3742
Delta R.T. -0.02 min
Lab File: BE094884.D
Acq: 28 Nov 2017 15:11

Tgt Ion:252 Resp: 4973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.7 | 28.5 | 42.7# |
| 125 | 16.0 | 18.1 | 27.1# |



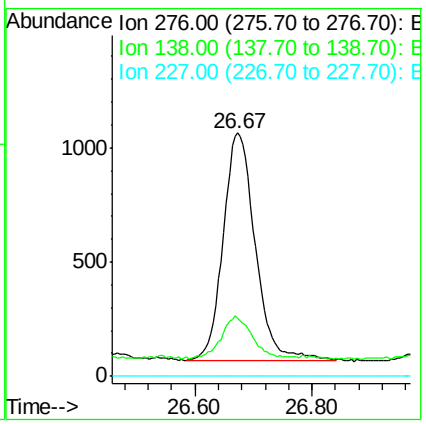


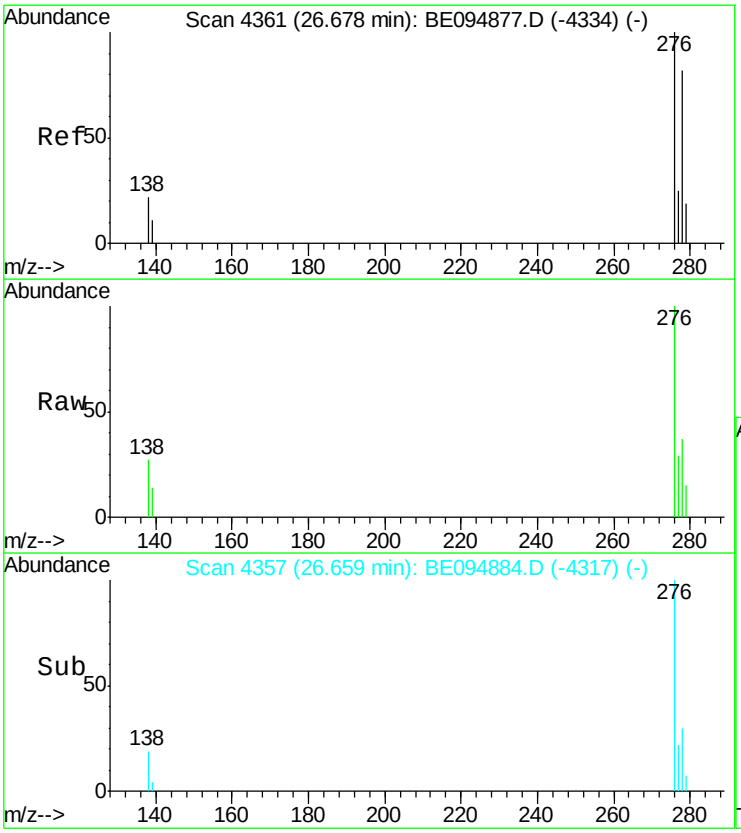

#24
Indeno(1,2,3-cd)pyrene
Concen: 0.17 ng/ul
RT: 26.67 min Scan# 4360
Delta R.T. -0.01 min
Lab File: BE094884.D
Acq: 28 Nov 2017 15:11

**Instrument :**
BNA_E
**ClientSampleId :**
C0AB5DL

Tgt Ion:276 Resp: 3800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.8 | 28.0 | 42.0# |
| 227 | 0.0 | 8.0 | 12.0# |

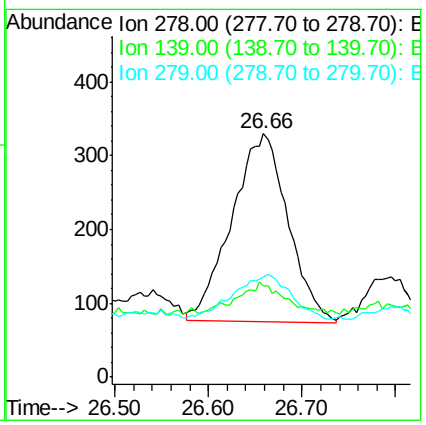


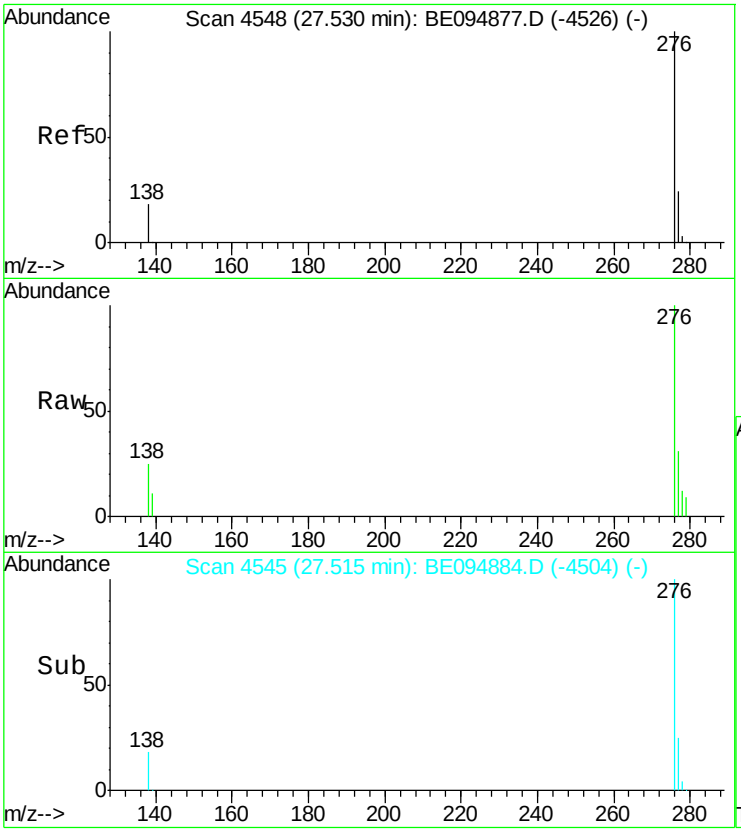




#25
Dibenzo(a,h)anthracene
Concen: 0.06 ng/ul
RT: 26.66 min Scan# 4357
Delta R.T. -0.02 min
Lab File: BE094884.D
Acq: 28 Nov 2017 15:11

Tgt Ion:278 Resp: 1061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 37.3 | 17.4 | 26.0# |
| 279 | 41.2 | 25.9 | 38.9# |






#26
Benzo(g,h,i)perylene
Concen: 0.16 ng/ul
RT: 27.52 min Scan# 4545
Delta R.T. -0.01 min
Lab File: BE094884.D
Acq: 28 Nov 2017 15:11

**Instrument :**
BNA_E
**ClientSampleId :**
C0AB5DL

Tgt Ion:276 Resp: 3068

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 25.2 | 21.8 | 32.8 |
| 277 | 30.8 | 20.5 | 30.7# |