Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111115\
Data File : BE091139.D
Acq On : 12 Nov 2015 11:29
Operator : UM/NP
Sample : G4322-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** A4HS2

Quant Time: Nov 13 15:22:56 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 13 13:56:00 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.90 | 152 | 3450 | 0.40 | ng/ul | 0.00 |
| 4) Naphthalene-d8 | 9.57 | 136 | 19437 | 0.40 | ng/ul | 0.00 |
| 8) Acenaphthene-d10 | 13.40 | 164 | 11339 | 0.40 | ng/ul | 0.00 |
| 12) Phenanthrene-d10 | 16.22 | 188 | 694852 | 0.40 | ng/ul | 0.08 |
| 18) Chrysene-d12 | 20.29 | 240 | 37606 | 0.40 | ng/ul | 0.00 |
| 22) Perylene-d12 | 22.20 | 264 | 40303 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) 1,4-Dioxane-d8 | 2.93 | 96 | 10834 | 4.37 | ng/uL | -0.03 |
| 6) 2-Methylnaphthalene-d10 | 11.07 | 152 | 3437 | 0.13 | ng/ul | 0.00 |
| 16) Fluoranthene-d10 | 18.12 | 212 | 9846 | 0.01 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 5) Naphthalene | 9.61 | 128 | 73013 | 1.52 | ng/ul | 99 |
| 7) 2-Methylnaphthalene | 11.14 | 142 | 20059 | 0.64 | ng/ul | 98 |
| 9) Acenaphthylene | 13.15 | 152 | 30486 | 0.54 | ng/ul | 98 |
| 10) Acenaphthene | 13.46 | 153 | 27333 | 0.70 | ng/ul | 92 |
| 11) Fluorene | 14.45 | 166 | 37941 | 0.76 | ng/ul | 91 |
| 14) Phenanthrene | 16.16 | 178 | 2618094 | 0.33 | ng/ul | 98 |
| 15) Anthracene | 16.16 | 178 | 2331650 | 0.32 | ng/ul | 96 |
| 19) Pyrene | 18.54 | 202 | 3883290 | 9.09 | ng/ul# | 77 |
| 20) Benzo(a)anthracene | 20.32 | 228 | 554873 | 5.75 | ng/ul | 93 |
| 21) Chrysene | 20.32 | 228 | 558145 | 5.02 | ng/ul | 97 |
| 23) Benzo(b)fluoranthene | 21.63 | 252 | 406081 | 3.23 | ng/ul | 99 |
| 24) Benzo(k)fluoranthene | 21.63 | 252 | 406081 | 3.15 | ng/ul | 95 |
| 25) Benzo(a)pyrene | 22.10 | 252 | 507167 | 4.38 | ng/ul | 94 |
| 26) Indeno(1,2,3-cd)pyrene | 23.87 | 276 | 1293699 | 2.65 | ng/ul# | 88 |
| 27) Dibenzo(a,h)anthracene | 23.81 | 278 | 115991 | 1.00 | ng/ul# | 70 |
| 28) Benzo(g,h,i)perylene | 24.42 | 276 | 1268717 | 2.48 | ng/ul | 96 |

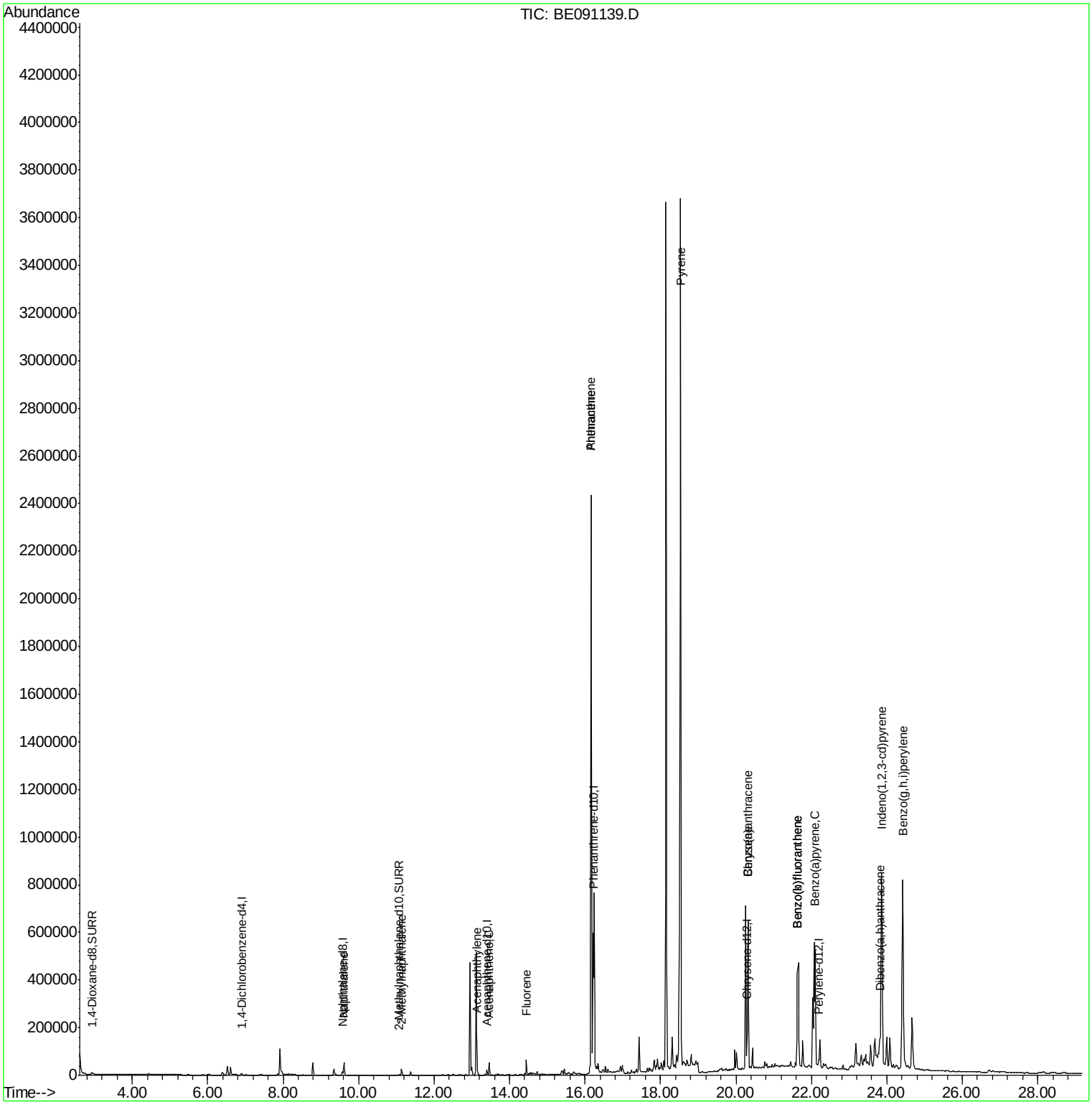
(#) = qualifier out of range (m) = manual integration (+) = signals summed

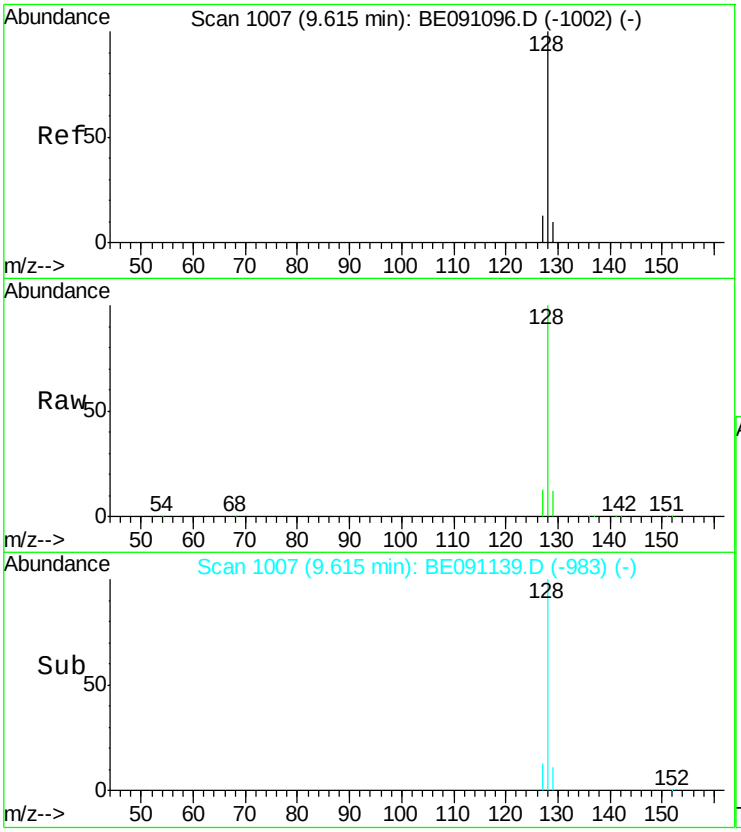
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE111115\
Data File : BE091139.D
Acq On : 12 Nov 2015 11:29
Operator : UM/NP
Sample : G4322-11
Misc :
ALS Vial : 24 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
A4HS2

Quant Time: Nov 13 15:22:56 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 13 13:56:00 2015
Response via : Initial Calibration



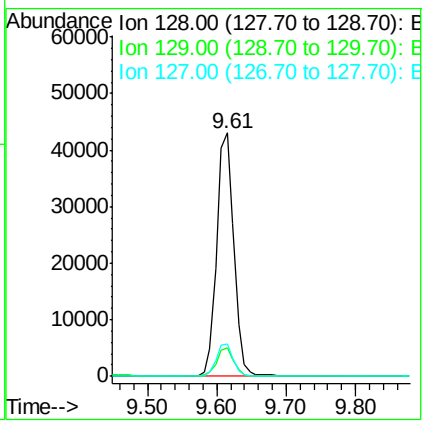


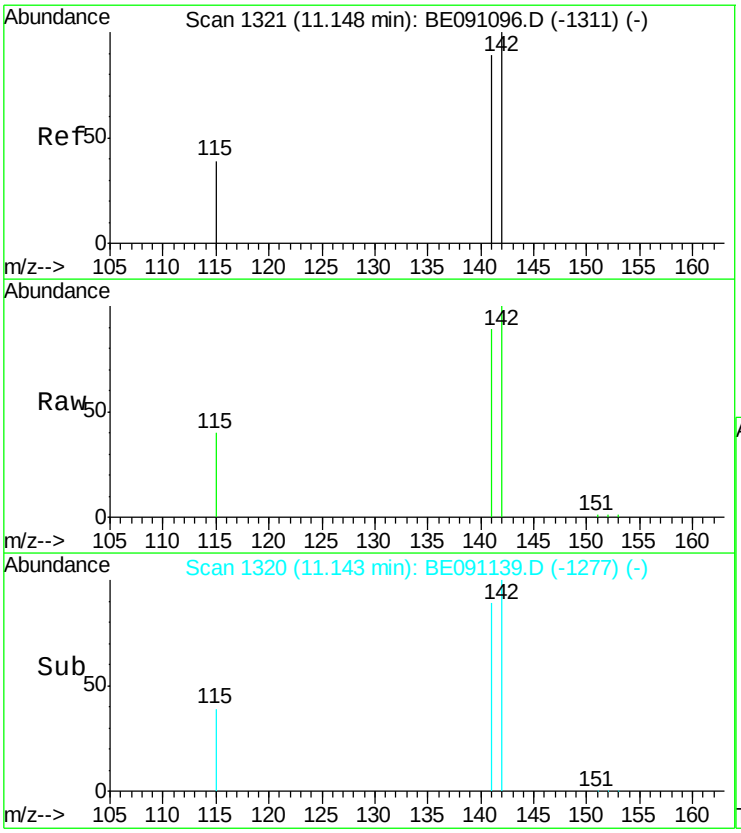

#5
Naphthalene
Concen: 1.52 ng/ul
RT: 9.61 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

**Instrument :**
BNA_E
**ClientSampleId :**
A4HS2

Tgt Ion:128 Resp: 73013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.6 | 9.8 | 14.8 |
| 127 | 13.1 | 10.7 | 16.1 |

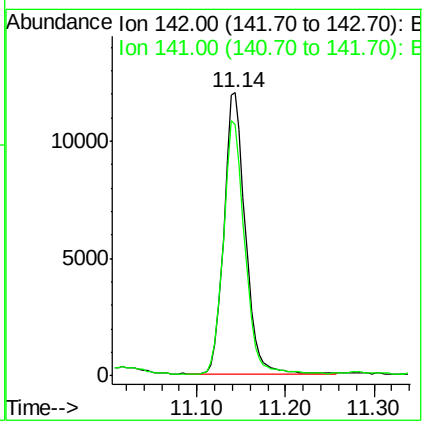


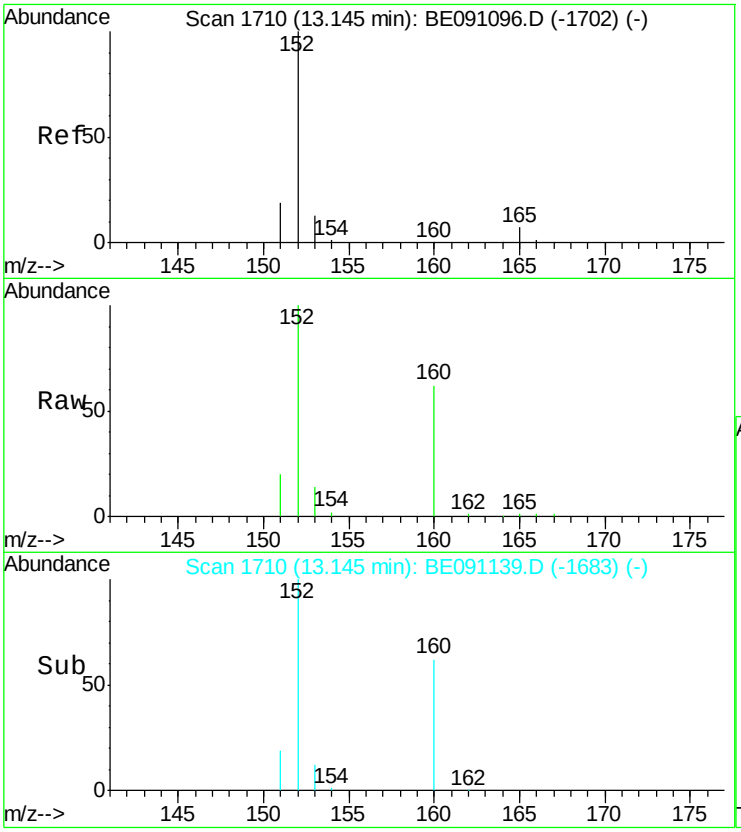




#7
2-Methylnaphthalene
Concen: 0.64 ng/ul
RT: 11.14 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

Tgt Ion:142 Resp: 20059

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.8 | 70.3 | 105.5 |



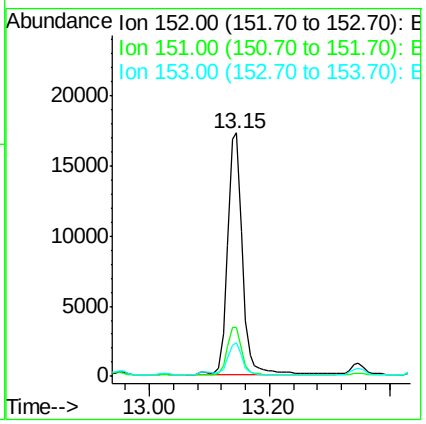


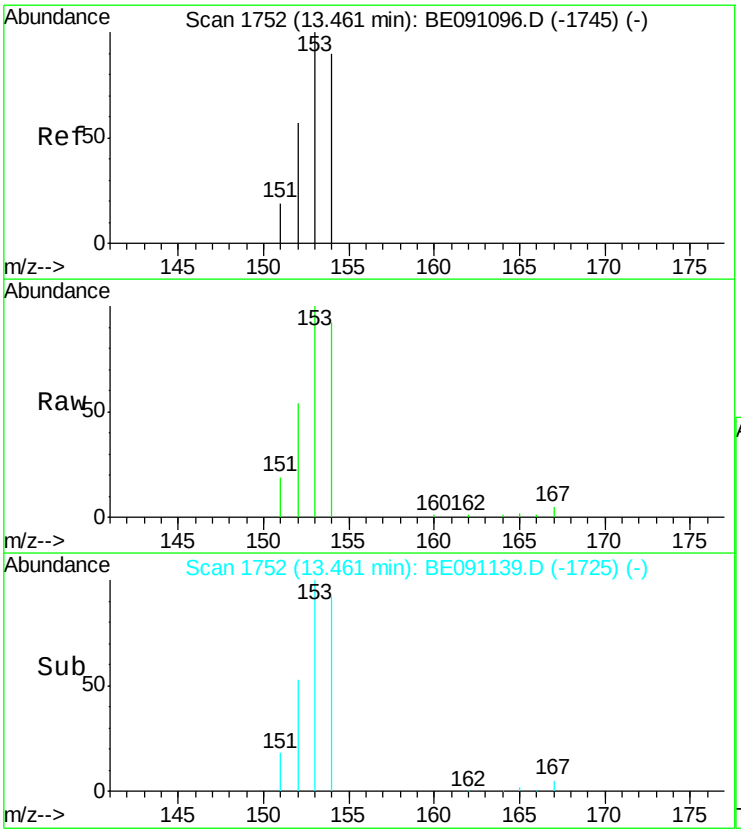

#9
Acenaphthylene
Concen: 0.54 ng/ul
RT: 13.15 min Scan# 1710
Delta R.T. -0.00 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

**Instrument :**
BNA_E
**ClientSampleId :**
A4HS2

Tgt Ion:152 Resp: 30486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.9 | 16.8 | 25.2 |
| 153 | 13.6 | 11.3 | 16.9 |

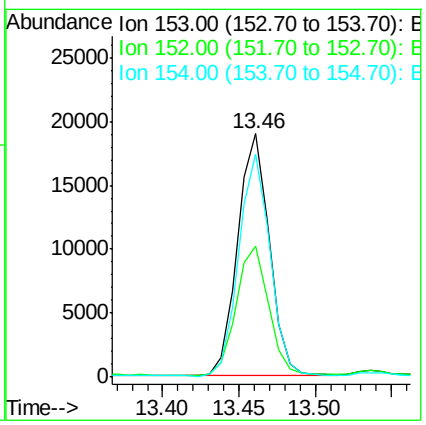


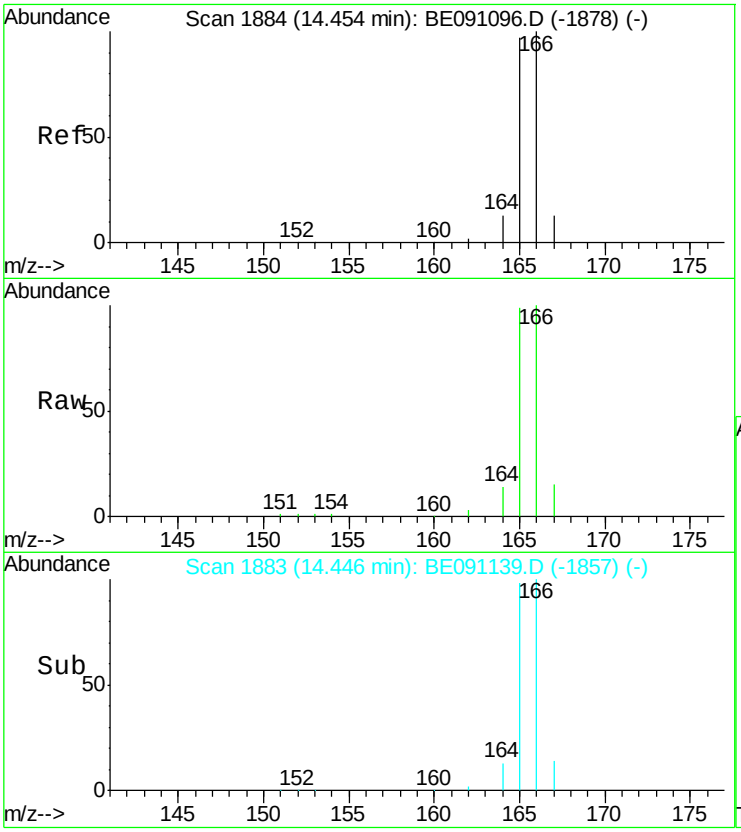




#10
Acenaphthene
Concen: 0.70 ng/ul
RT: 13.46 min Scan# 1752
Delta R.T. -0.00 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

Tgt Ion:153 Resp: 27333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 53.7 | 42.3 | 63.5 |
| 154 | 91.9 | 64.7 | 97.1 |



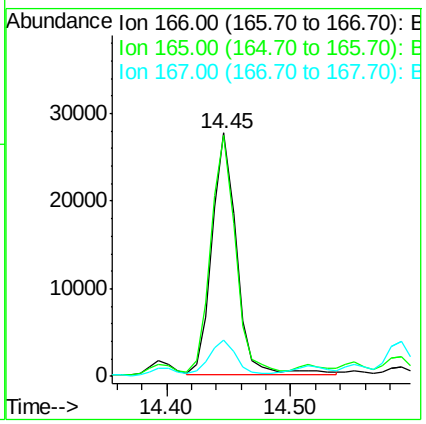


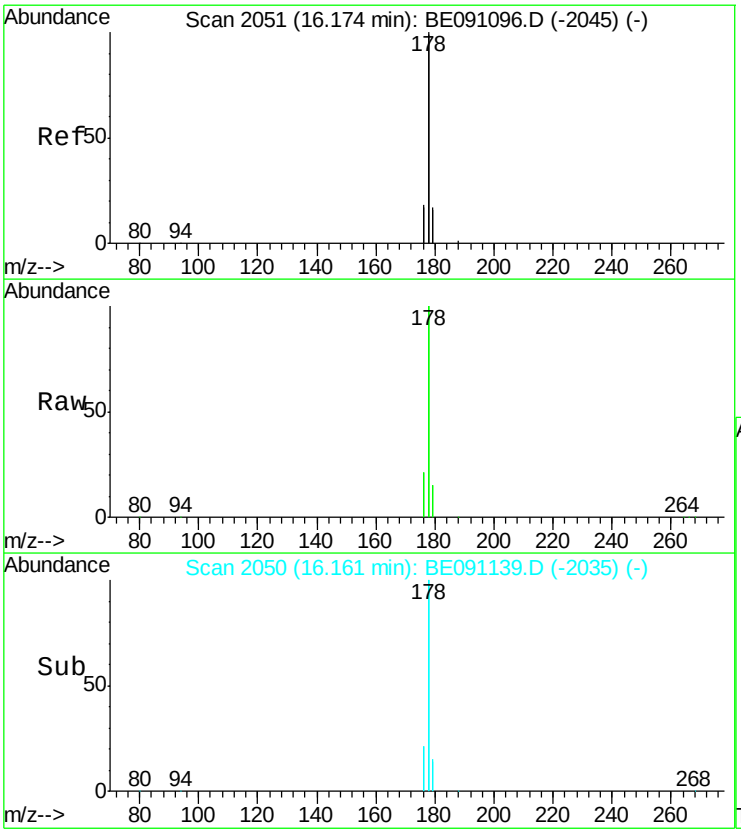

#11
Fluorene
Concen: 0.76 ng/ul
RT: 14.45 min Scan# 1883
Delta R.T. -0.01 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

**Instrument :**
BNA_E
**ClientSampleId :**
A4HS2

Tgt Ion:166 Resp: 37941

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.0 | 87.6 | 131.4 |
| 167 | 14.7 | 11.1 | 16.7 |

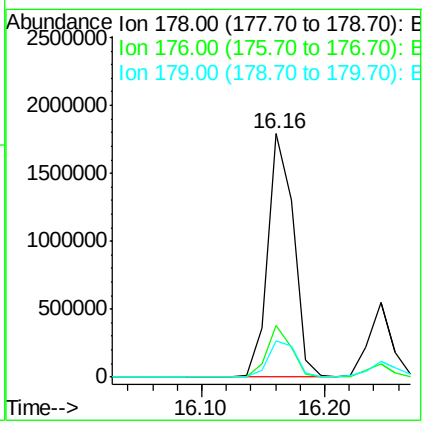


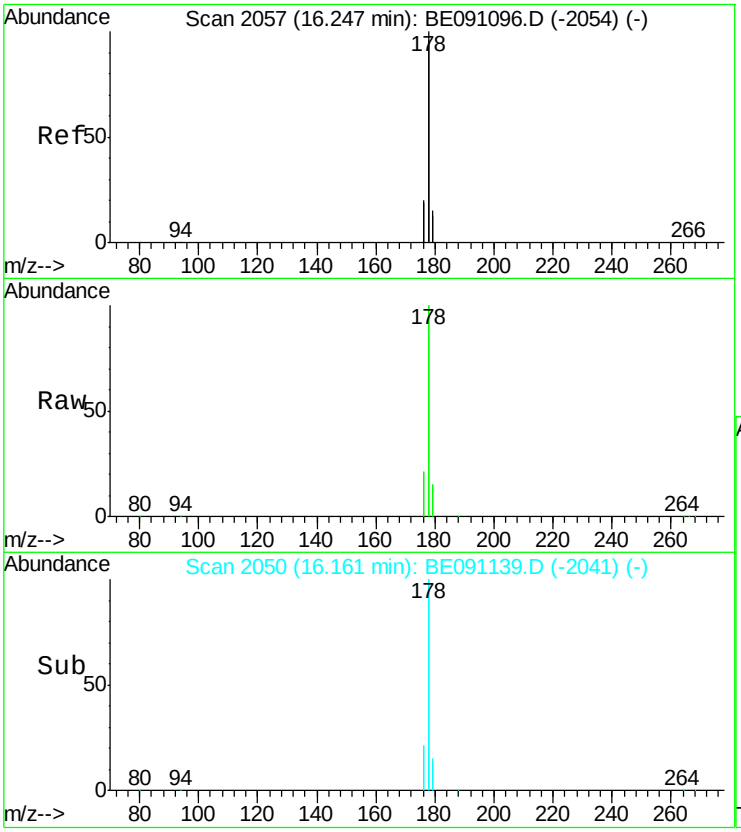




#14
Phenanthrene
Concen: 0.33 ng/ul
RT: 16.16 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

Tgt Ion:178 Resp: 2618094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 21.1 | 16.2 | 24.4 |
| 179 | 14.7 | 12.8 | 19.2 |



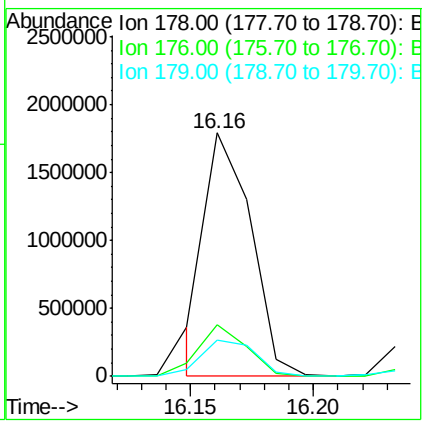


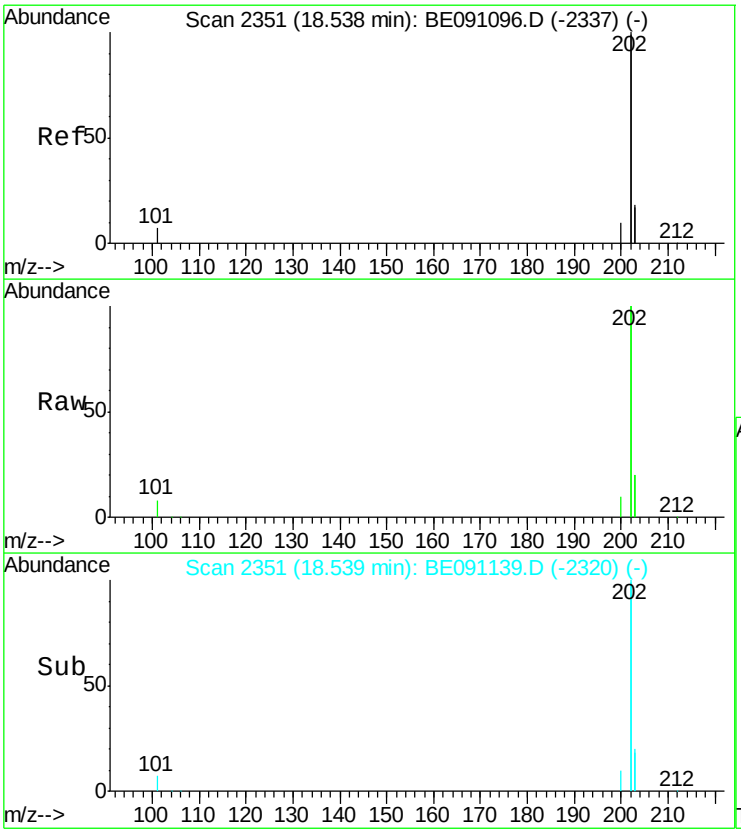

#15
Anthracene
Concen: 0.32 ng/ul
RT: 16.16 min Scan# 2050
Delta R.T. -0.09 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

**Instrument :**
BNA_E
**ClientSampleId :**
A4HS2

Tgt Ion:178 Resp: 2331650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 21.1 | 15.8 | 23.8 |
| 179 | 14.7 | 13.3 | 19.9 |

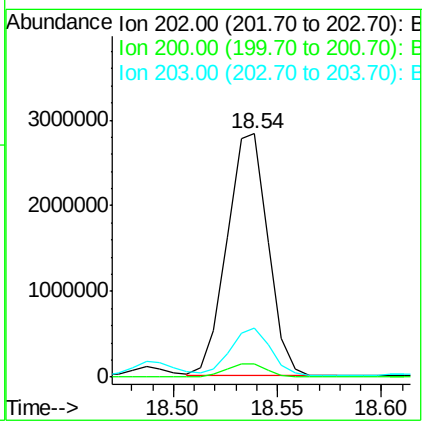


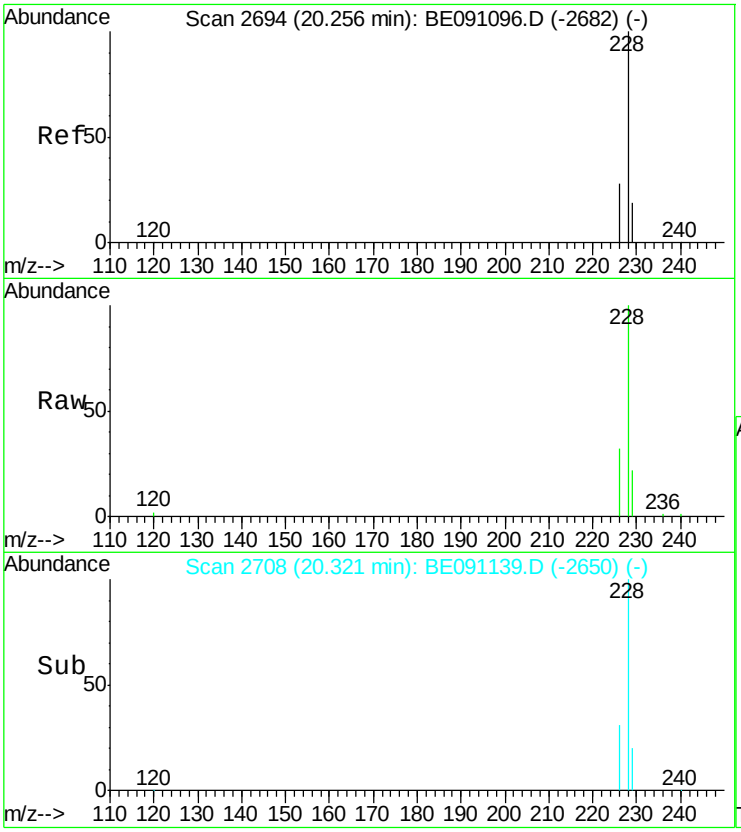




#19
Pyrene
Concen: 9.09 ng/ul
RT: 18.54 min Scan# 2351
Delta R.T. 0.00 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

Tgt Ion:202 Resp: 3883290

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 5.2 | 18.0 | 27.0# |
| 203 | 20.2 | 13.8 | 20.6 |



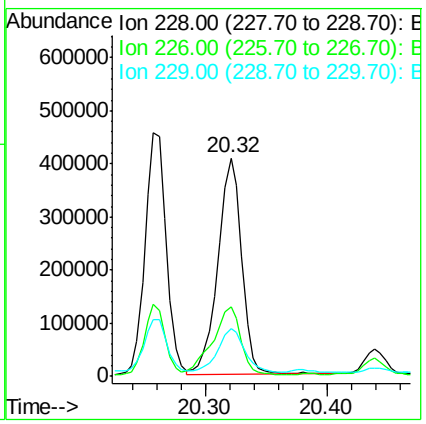


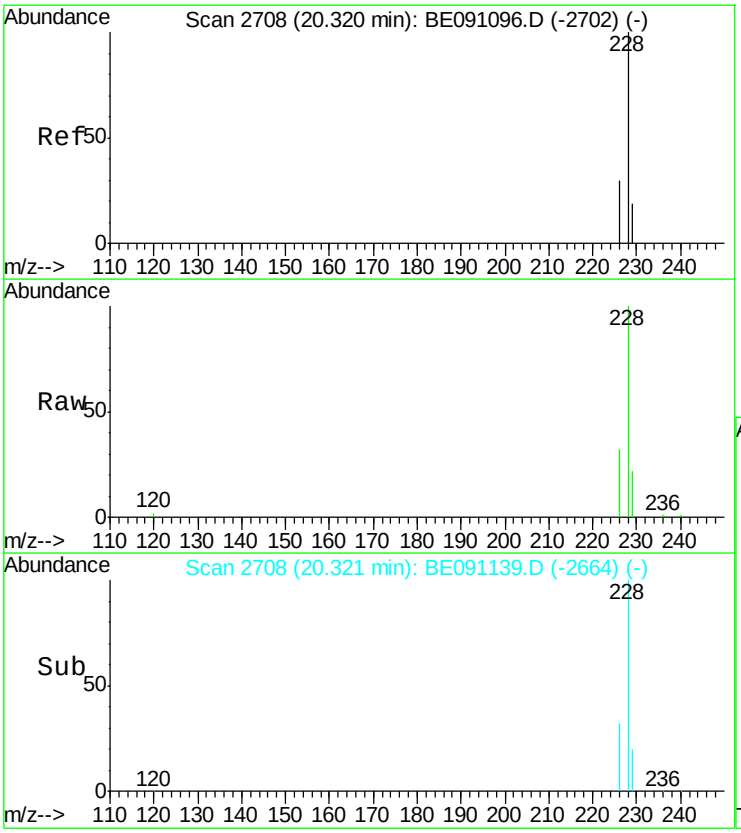

#20
Benzo(a)anthracene
Concen: 5.75 ng/ul
RT: 20.32 min Scan# 2708
Delta R.T. 0.07 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

**Instrument :**
BNA_E
**ClientSampleId :**
A4HS2

Tgt Ion:228 Resp: 554873

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.1 | 23.0 | 34.4 |
| 229 | 22.1 | 15.2 | 22.8 |

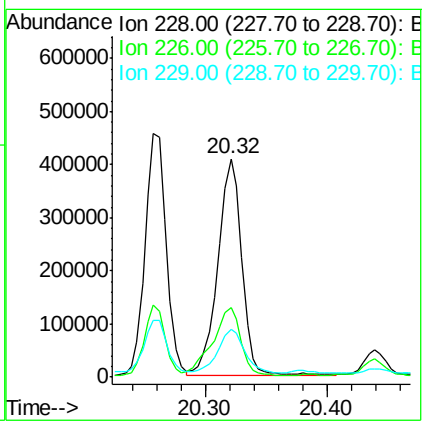


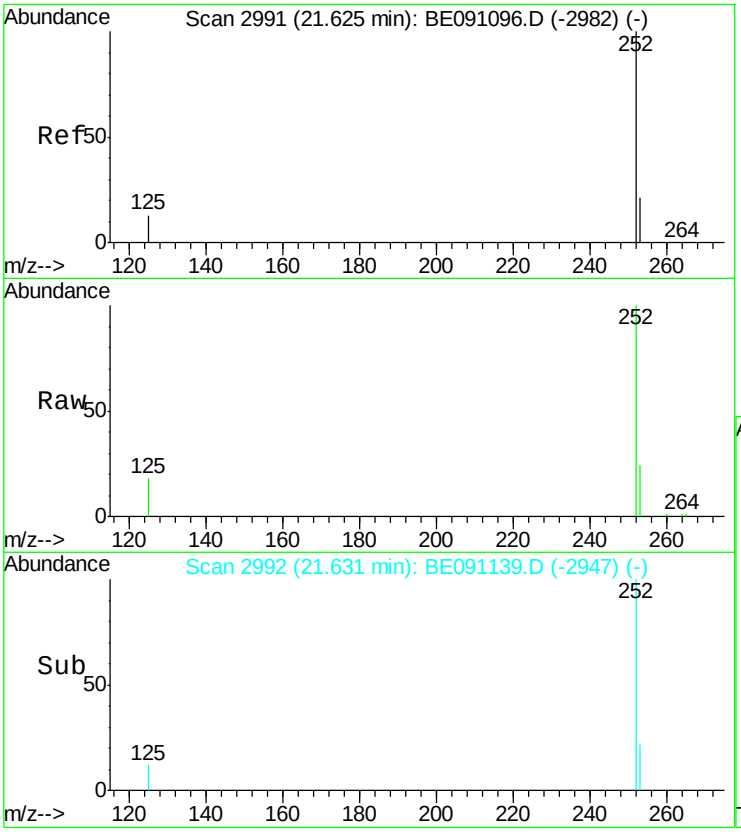




#21
Chrysene
Concen: 5.02 ng/ul
RT: 20.32 min Scan# 2708
Delta R.T. 0.00 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

Tgt Ion:228 Resp: 558145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.1 | 25.7 | 38.5 |
| 229 | 22.1 | 15.2 | 22.8 |



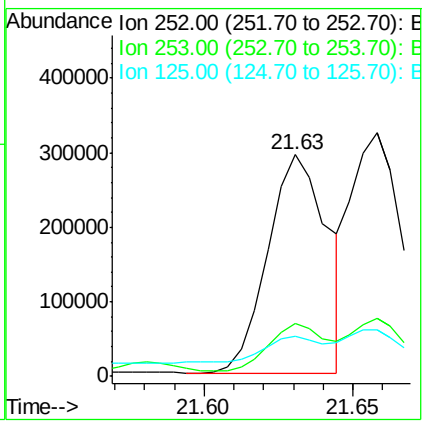


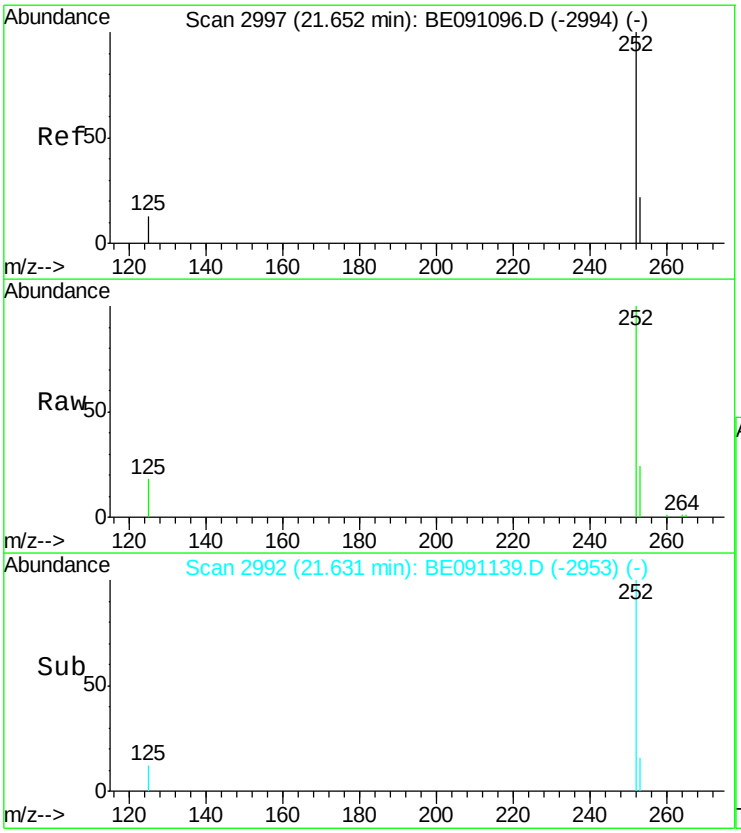

#23
Benzo(b)fluoranthene
Concen: 3.23 ng/ul
RT: 21.63 min Scan# 2992
Delta R.T. 0.01 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

**Instrument :**
BNA_E
**ClientSampleId :**
A4HS2

Tgt Ion:252 Resp: 406081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.6 | 0.0 | 48.0 |
| 125 | 18.2 | 0.0 | 36.6 |

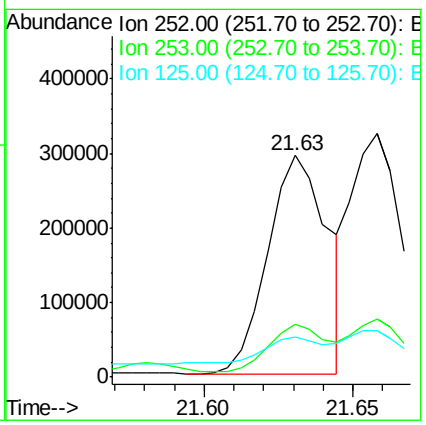


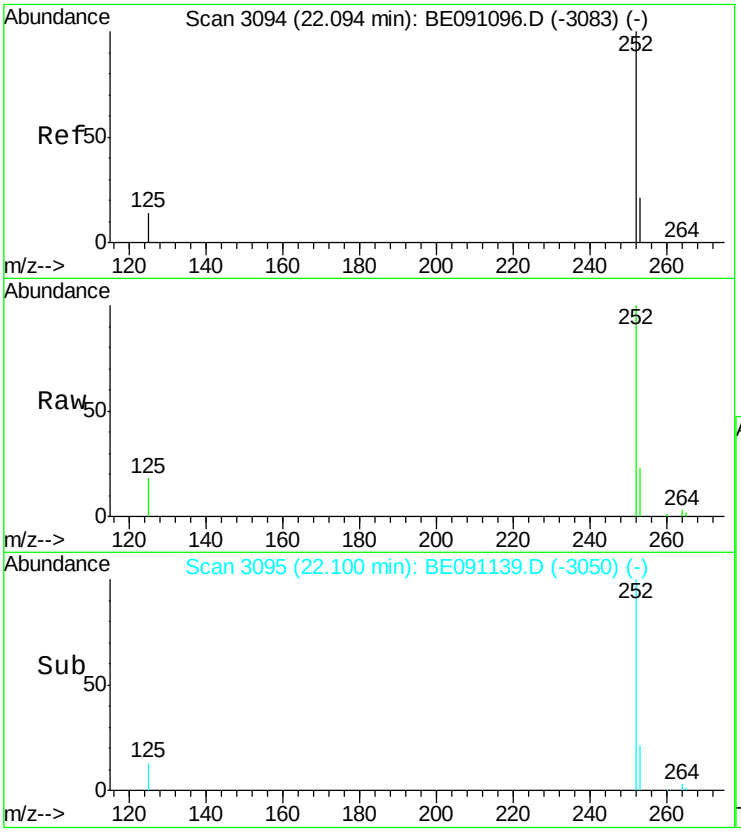




#24
Benzo(k)fluoranthene
Concen: 3.15 ng/ul
RT: 21.63 min Scan# 2992
Delta R.T. -0.02 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

Tgt Ion:252 Resp: 406081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.6 | 20.8 | 31.2 |
| 125 | 18.2 | 12.2 | 18.4 |



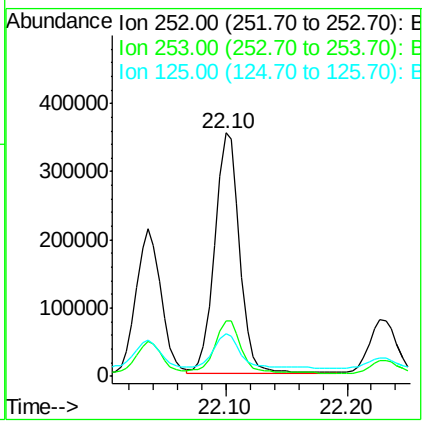


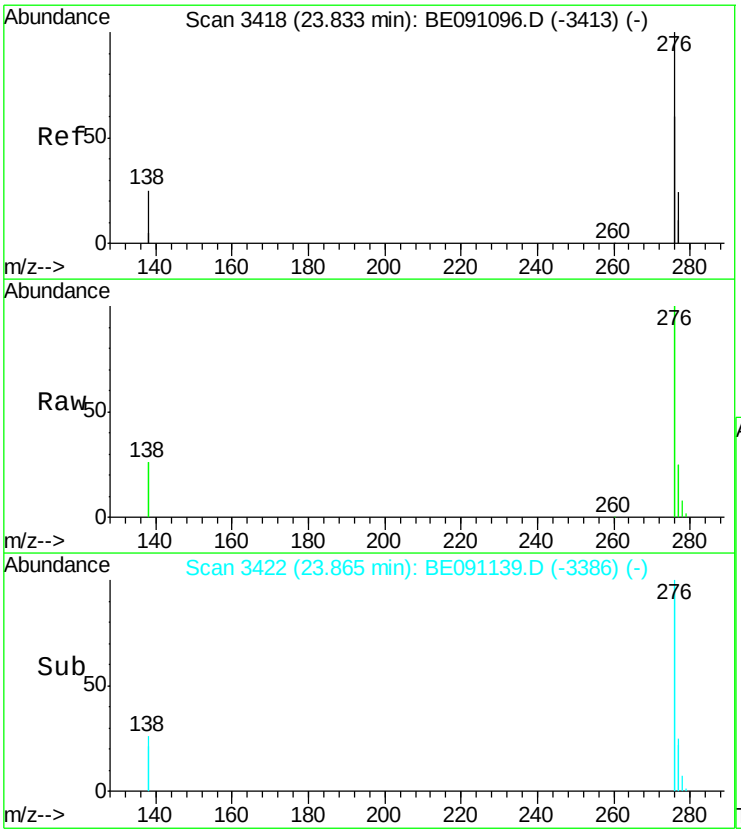

#25
Benzo(a)pyrene
Concen: 4.38 ng/ul
RT: 22.10 min Scan# 3095
Delta R.T. 0.01 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

**Instrument :**
BNA_E
**ClientSampleId :**
A4HS2

Tgt Ion:252 Resp: 507167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 21.8 | 32.8 |
| 125 | 17.6 | 14.5 | 21.7 |

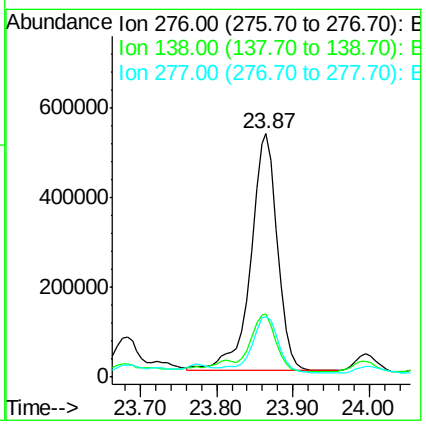


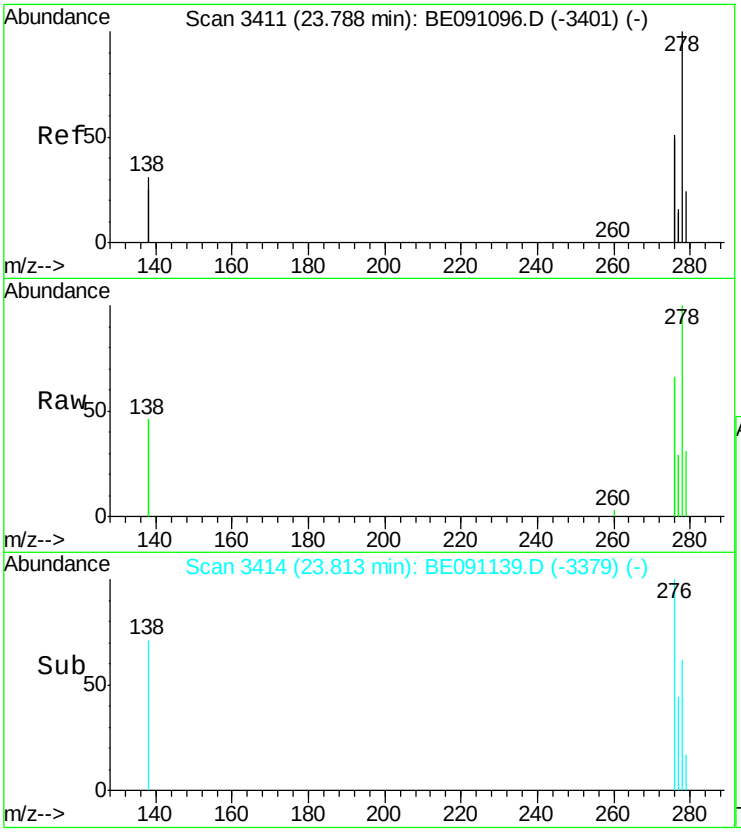




#26
Indeno(1,2,3-cd)pyrene
Concen: 2.65 ng/ul
RT: 23.87 min Scan# 3422
Delta R.T. 0.03 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

Tgt Ion:276 Resp: 1293699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.4 | 27.5 | 41.3# |
| 277 | 24.1 | 19.3 | 28.9 |



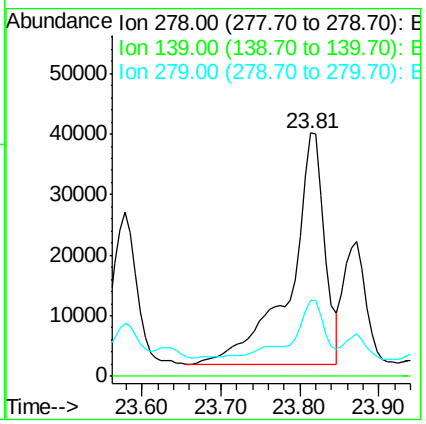


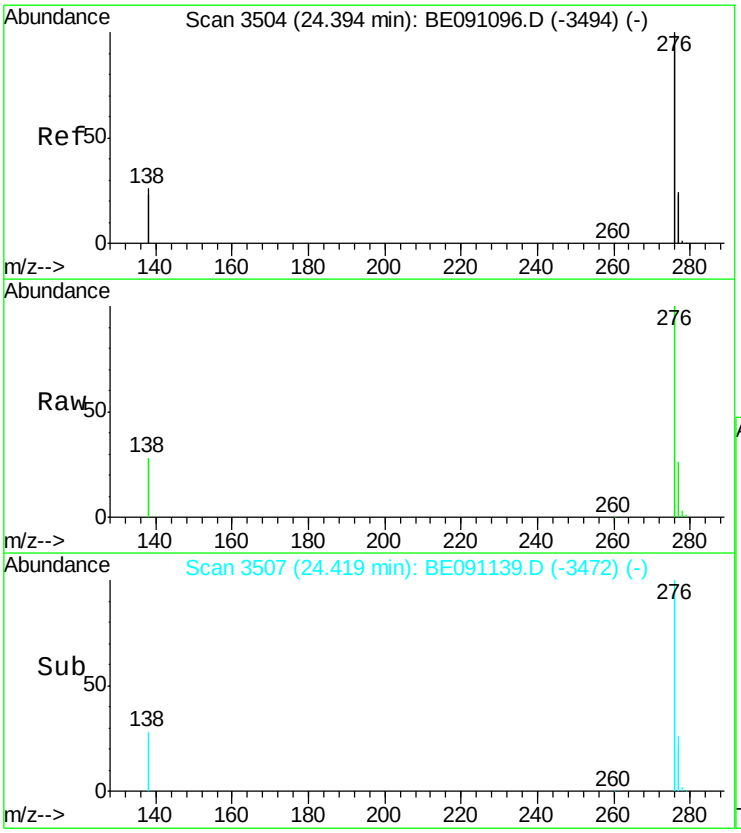

#27
Dibenzo(a,h)anthracene
Concen: 1.00 ng/ul
RT: 23.81 min Scan# 3414
Delta R.T. 0.03 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

**Instrument :**
BNA_E
**ClientSampleId :**
A4HS2

Tgt Ion:278 Resp: 115991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 21.7 | 32.5# |
| 279 | 31.4 | 21.9 | 32.9 |




#28
Benzo(g,h,i)perylene
Concen: 2.48 ng/ul
RT: 24.42 min Scan# 3507
Delta R.T. 0.03 min
Lab File: BE091139.D
Acq: 12 Nov 2015 11:29

Tgt Ion:276 Resp: 1268717

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.5 | 21.3 | 31.9 |
| 138 | 28.5 | 25.5 | 38.3 |