Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE071415\
Data File : BE090102.D
Acq On : 14 Jul 2015 17:18
Operator : TP/IZ
Sample : SSTD1.605
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** SSTD1.605

Quant Time: Jul 15 00:46:20 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE071415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 15 00:44:52 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.61 | 152 | 1463 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.37 | 136 | 6795 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.22 | 164 | 3851 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 16.95 | 188 | 8504 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.12 | 240 | 9406 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.44 | 264 | 6623 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.96 | 152 | 17840 | 1.67 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 18.98 | 212 | 43059 | 1.84 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.42 | 128 | 29978 | 1.48 | ng/ul | 98 |
| 5) 2-Methylnaphthalene | 12.03 | 142 | 20261 | 1.51 | ng/ul | 100 |
| 7) Acenaphthylene | 13.93 | 152 | 133260 | 3.88 | ng/ul | 99 |
| 8) Acenaphthene | 14.28 | 153 | 92082 | 3.82 | ng/ul | 98 |
| 9) Fluorene | 15.27 | 166 | 26987 | 1.49 | ng/ul | 98 |
| 11) Pentachlorophenol | 16.61 | 266 | 1412 | 0.71 | ng/ul | 95 |
| 12) Phenanthrene | 16.99 | 178 | 169990 | 3.85 | ng/ul | 98 |
| 13) Anthracene | 17.07 | 178 | 172773 | 4.06 | ng/ul | 96 |
| 15) Fluoranthene | 19.00 | 202 | 196563 | 4.01 | ng/ul | 99 |
| 17) Pyrene | 19.37 | 202 | 201279 | 3.35 | ng/ul | 100 |
| 18) Benzo(a)anthracene | 21.11 | 228 | 42904 | 1.24 | ng/ul | 99 |
| 19) Chrysene | 21.16 | 228 | 51164 | 1.43 | ng/ul | 99 |
| 21) Benzo(b)fluoranthene | 22.73 | 252 | 34370 | 1.22 | ng/ul | 98 |
| 22) Benzo(k)fluoranthene | 22.78 | 252 | 47844 | 1.87 | ng/ul | 97 |
| 23) Benzo(a)pyrene | 23.33 | 252 | 36178 | 1.44 | ng/ul | 96 |
| 24) Indeno(1,2,3-cd)pyrene | 25.85 | 276 | 146582 | 3.78 | ng/ul | 99 |
| 25) Dibenzo(a,h)anthracene | 25.86 | 278 | 28729 | 1.37 | ng/ul | 92 |
| 26) Benzo(g,h,i)perylene | 26.58 | 276 | 134249 | 3.92 | ng/ul | 97 |

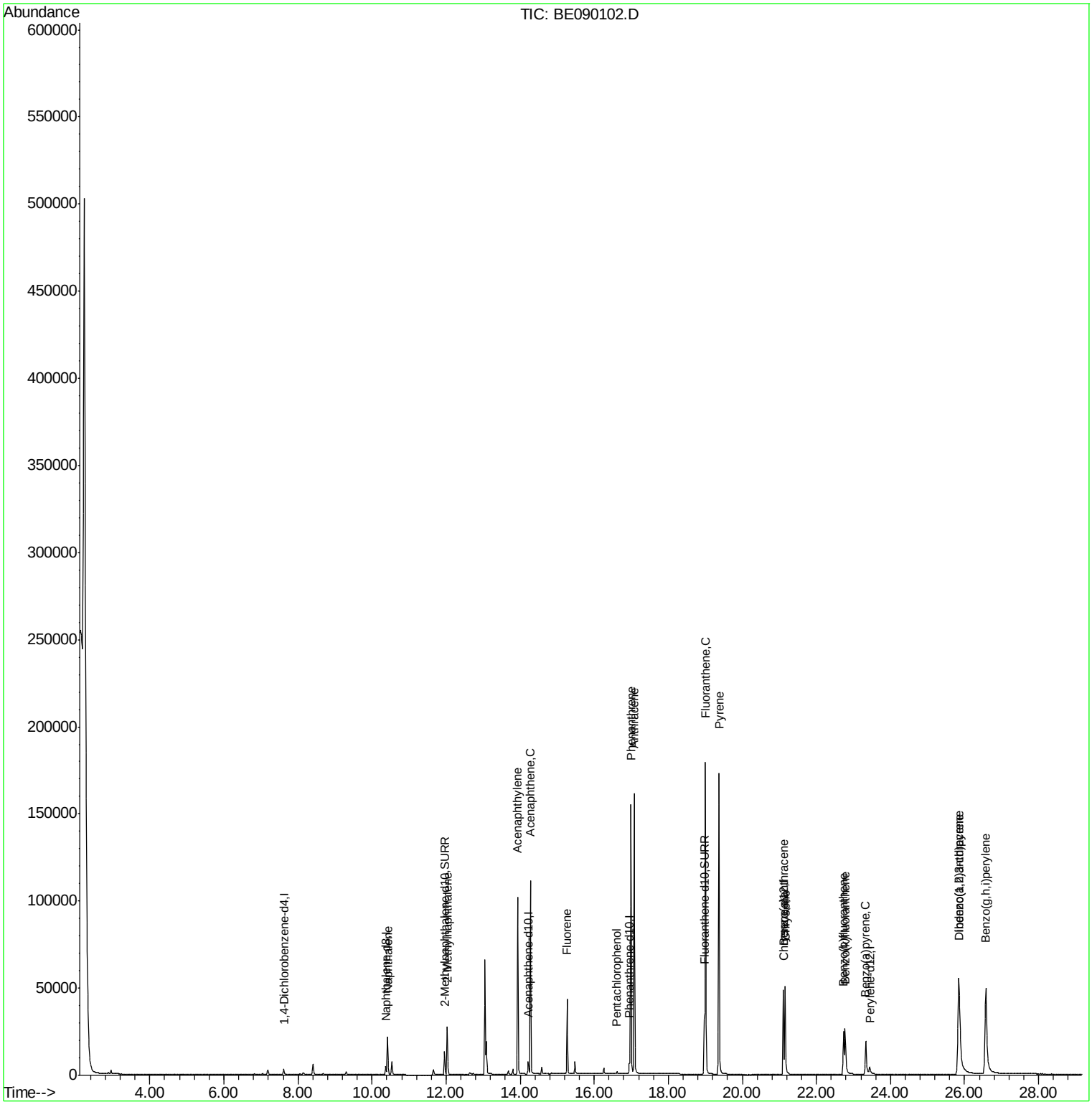
(#) = qualifier out of range (m) = manual integration (+) = signals summed

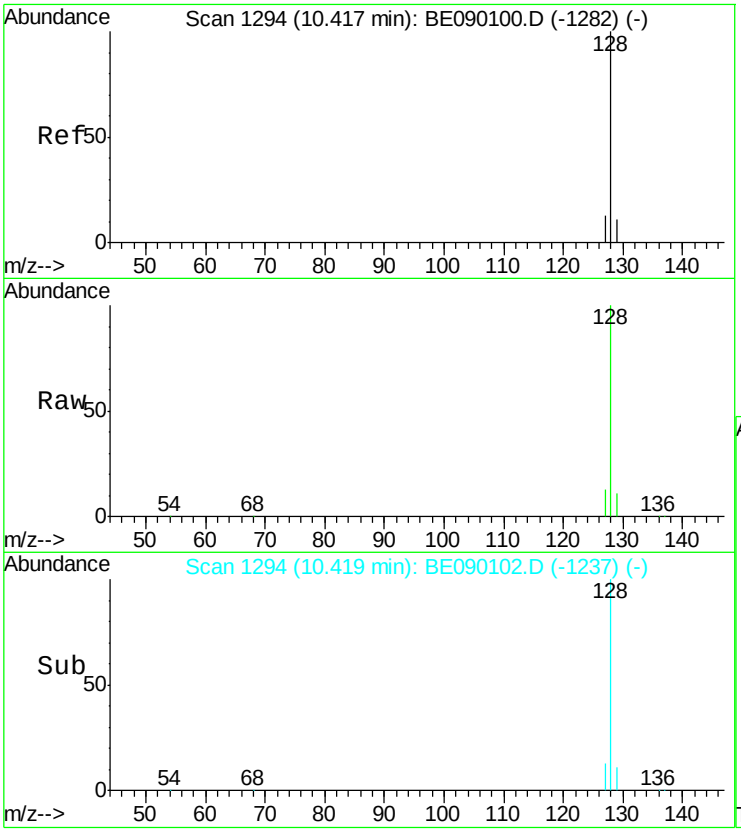
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE071415\
Data File : BE090102.D
Acq On : 14 Jul 2015 17:18
Operator : TP/IZ
Sample : SSTD1.605
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
SSTD1.605

Quant Time: Jul 15 00:46:20 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE071415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 15 00:44:52 2015
Response via : Initial Calibration



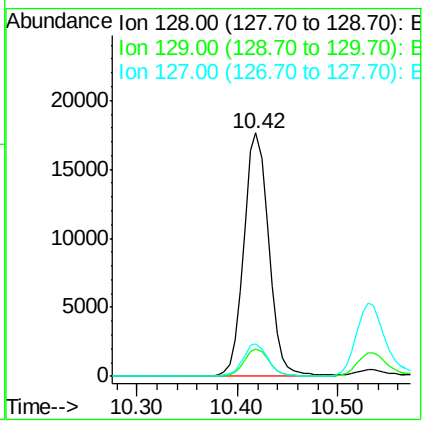


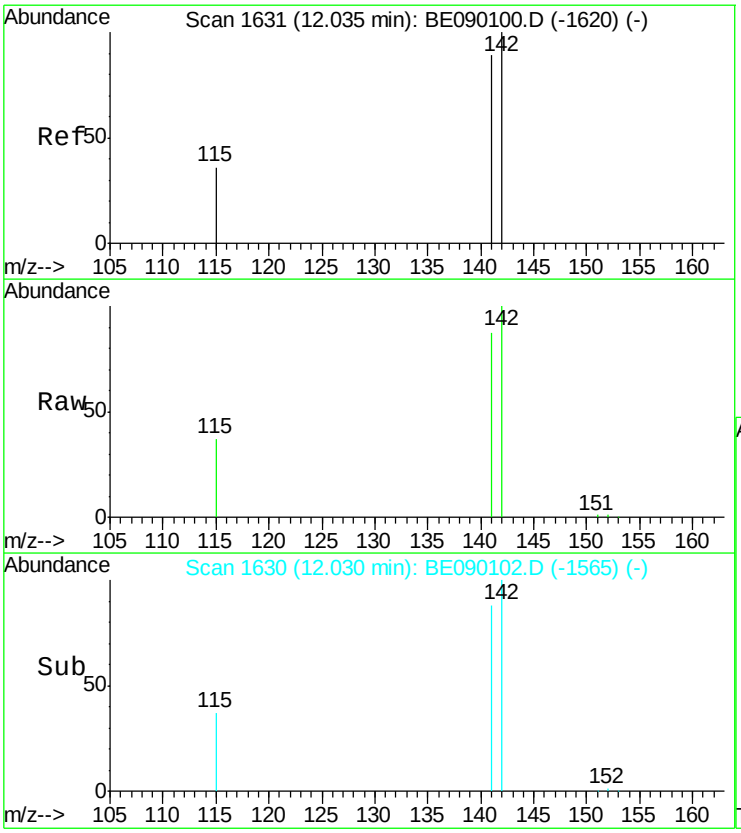

#3
Naphthalene
Concen: 1.48 ng/ul
RT: 10.42 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BE090102.D
Acq: 14 Jul 2015 17:18

**Instrument :**
BNA_E
**ClientSampleId :**
SSTD1.605

Tgt Ion:128 Resp: 29978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.2 | 9.4 | 14.2 |
| 127 | 13.1 | 11.5 | 17.3 |

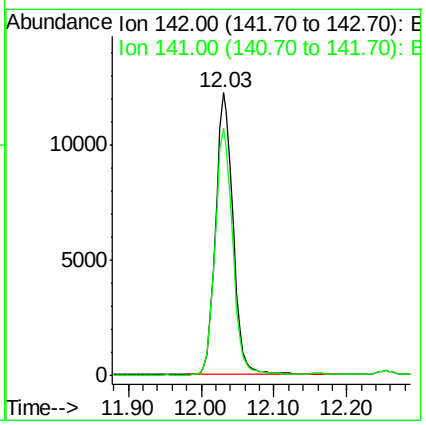


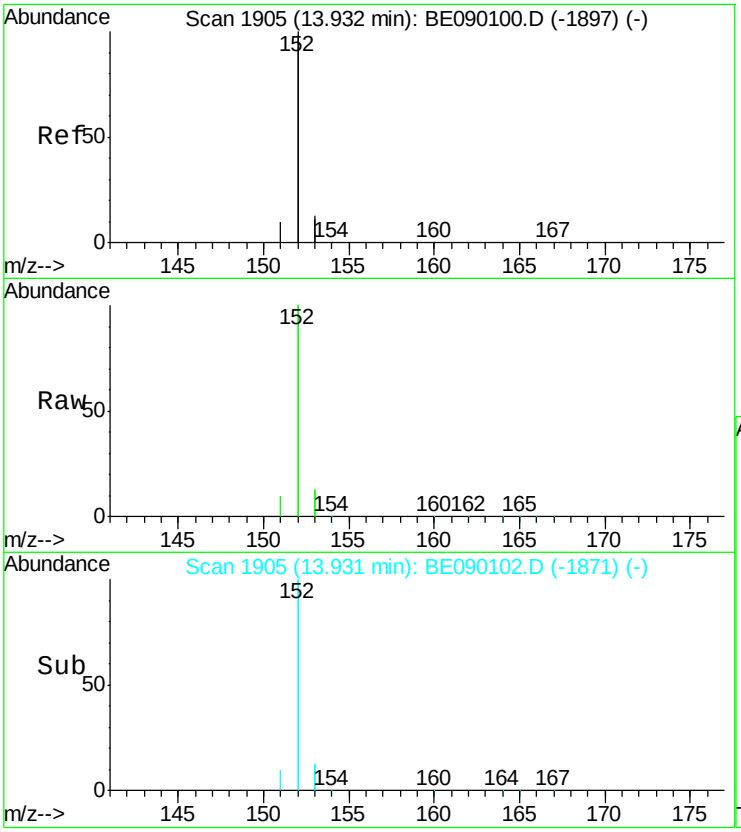




#5
2-Methylnaphthalene
Concen: 1.51 ng/ul
RT: 12.03 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE090102.D
Acq: 14 Jul 2015 17:18

Tgt Ion:142 Resp: 20261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.6 | 71.0 | 106.6 |



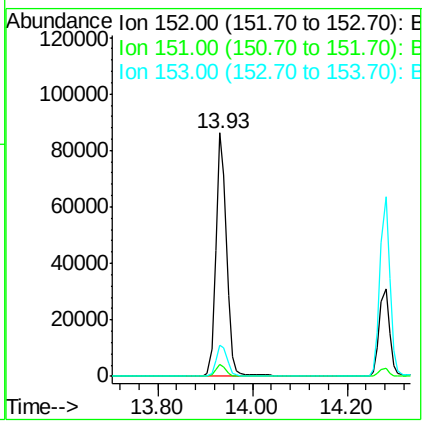


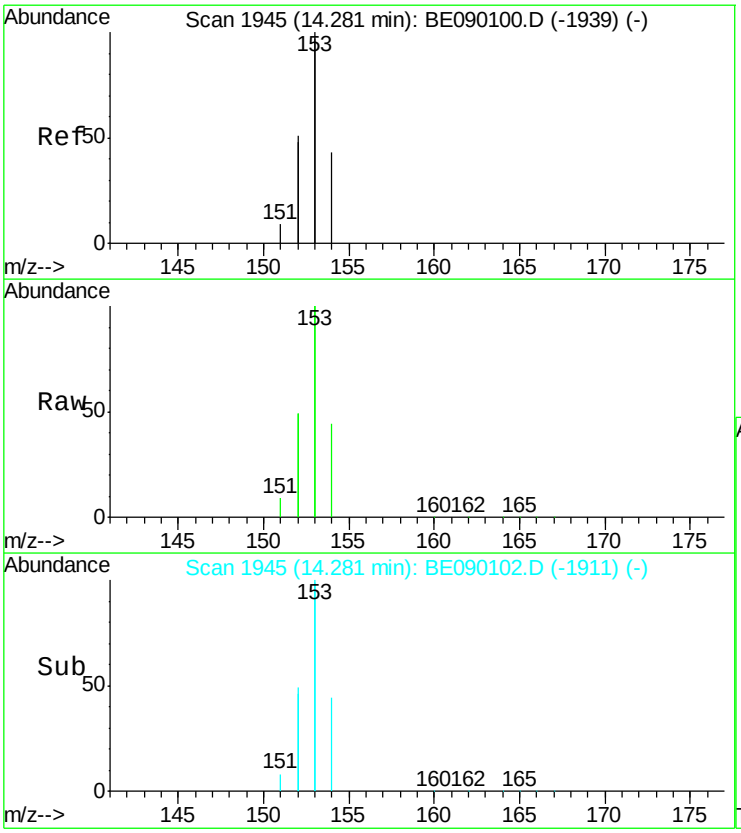

#7
Acenaphthylene
Concen: 3.88 ng/ul
RT: 13.93 min Scan# 1905
Delta R.T. -0.00 min
Lab File: BE090102.D
Acq: 14 Jul 2015 17:18

**Instrument :**
BNA_E
**ClientSampleId :**
SSTD1.605

Tgt Ion:152 Resp: 133260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 5.0 | 4.1 | 6.1 |
| 153 | 12.9 | 10.7 | 16.1 |

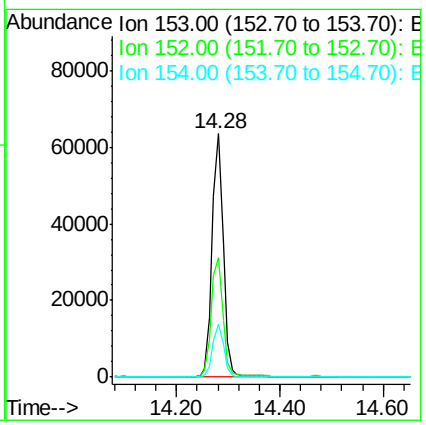


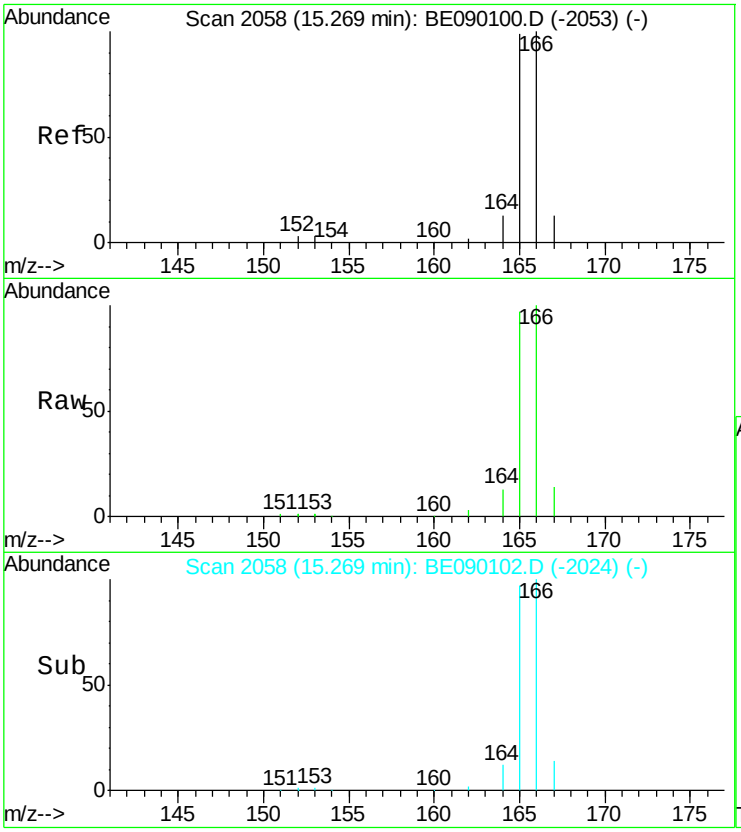




#8
Acenaphthene
Concen: 3.82 ng/ul
RT: 14.28 min Scan# 1945
Delta R.T. -0.00 min
Lab File: BE090102.D
Acq: 14 Jul 2015 17:18

Tgt Ion:153 Resp: 92082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 49.0 | 40.6 | 60.8 |
| 154 | 21.9 | 17.5 | 26.3 |



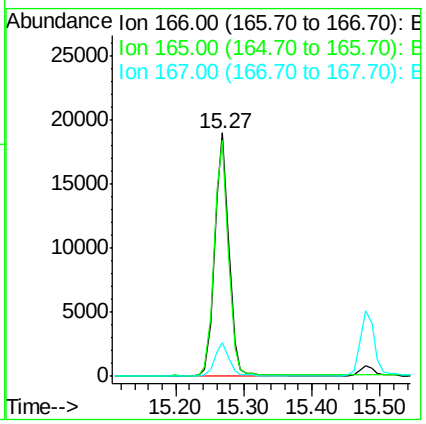


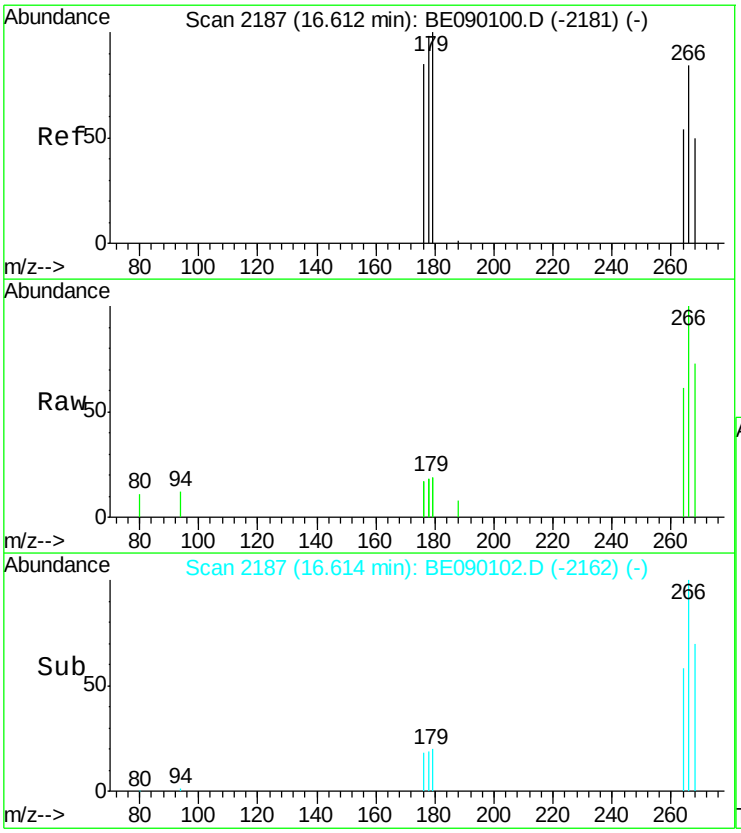

#9
Fluorene
Concen: 1.49 ng/ul
RT: 15.27 min Scan# 2058
Delta R.T. -0.00 min
Lab File: BE090102.D
Acq: 14 Jul 2015 17:18

**Instrument :**
BNA_E
**ClientSampleId :**
SSTD1.605

Tgt Ion:166 Resp: 26987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.8 | 79.3 | 118.9 |
| 167 | 14.0 | 11.6 | 17.4 |

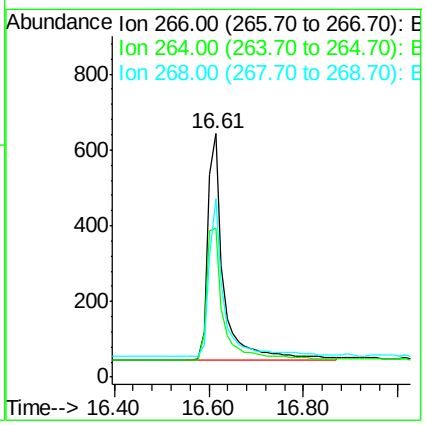


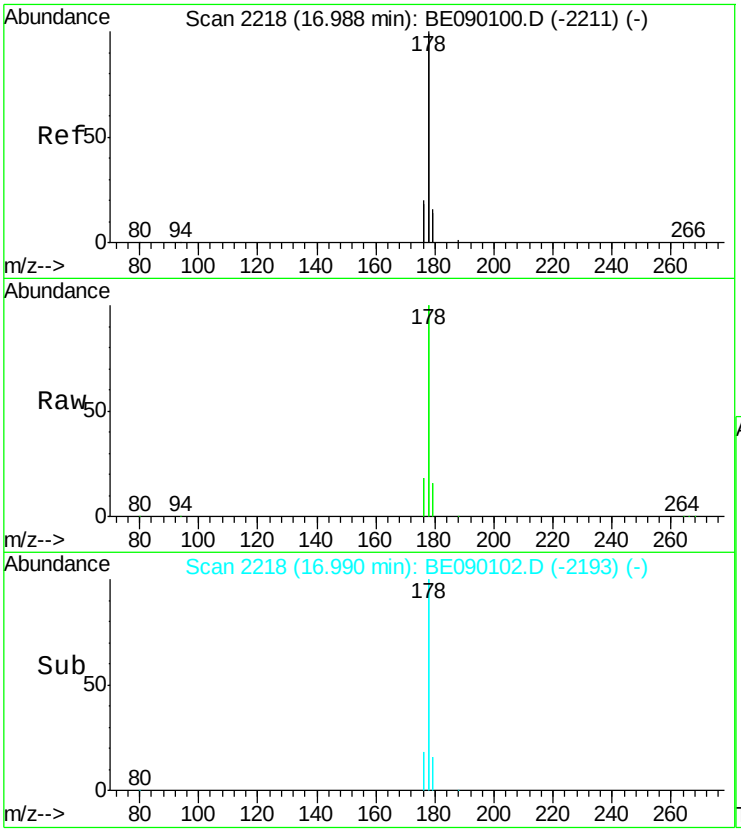




#11
Pentachlorophenol
Concen: 0.71 ng/ul
RT: 16.61 min Scan# 2187
Delta R.T. 0.00 min
Lab File: BE090102.D
Acq: 14 Jul 2015 17:18

Tgt Ion:266 Resp: 1412

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 63.0 | 46.8 | 70.2 |
| 268 | 65.2 | 49.1 | 73.7 |



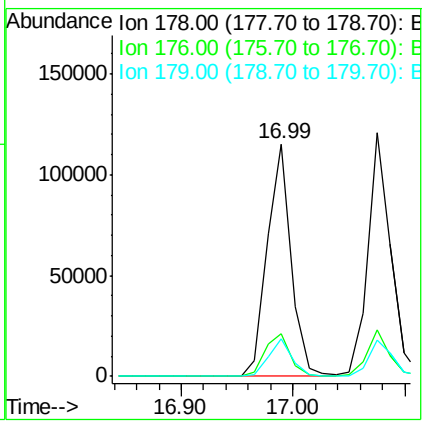


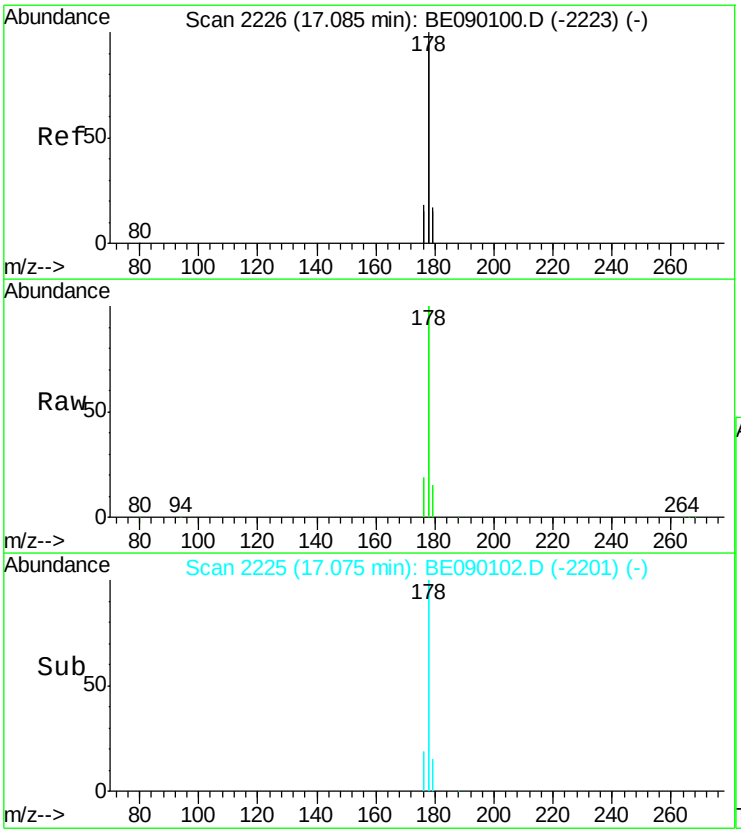

#12
Phenanthrene
Concen: 3.85 ng/ul
RT: 16.99 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BE090102.D
Acq: 14 Jul 2015 17:18

**Instrument :**
BNA_E
**ClientSampleId :**
SSTD1.605

Tgt Ion:178 Resp: 169990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 15.9 | 23.9 |
| 179 | 16.1 | 12.6 | 18.8 |

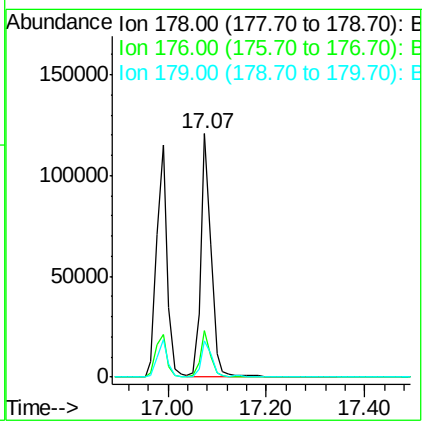


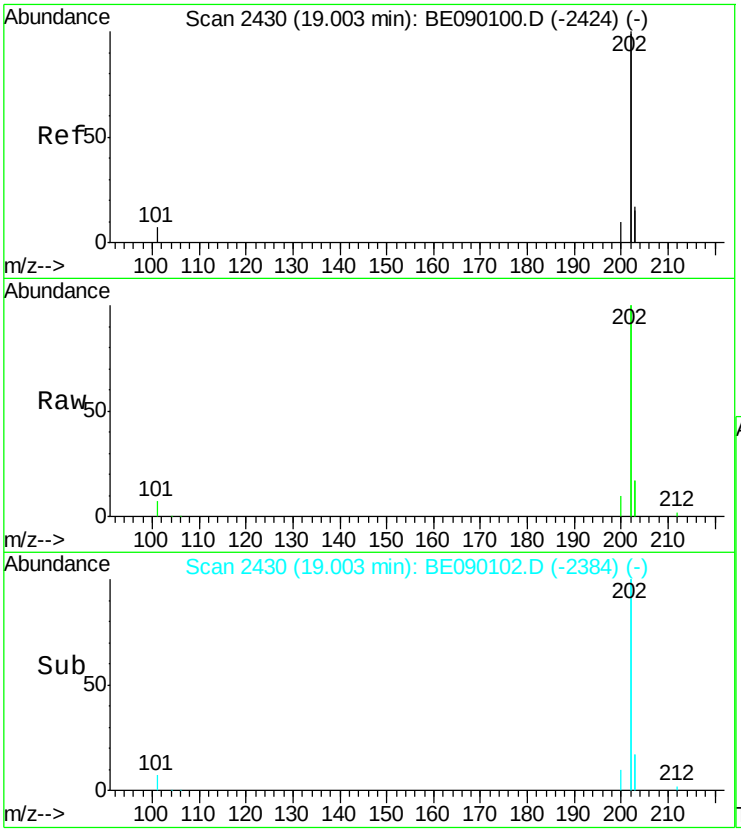




#13
Anthracene
Concen: 4.06 ng/ul
RT: 17.07 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BE090102.D
Acq: 14 Jul 2015 17:18

Tgt Ion:178 Resp: 172773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.0 | 14.0 | 21.0 |
| 179 | 14.9 | 13.8 | 20.6 |



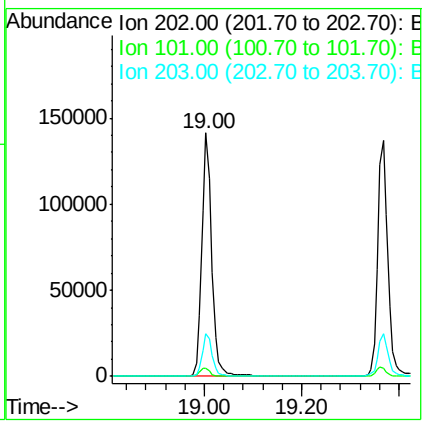


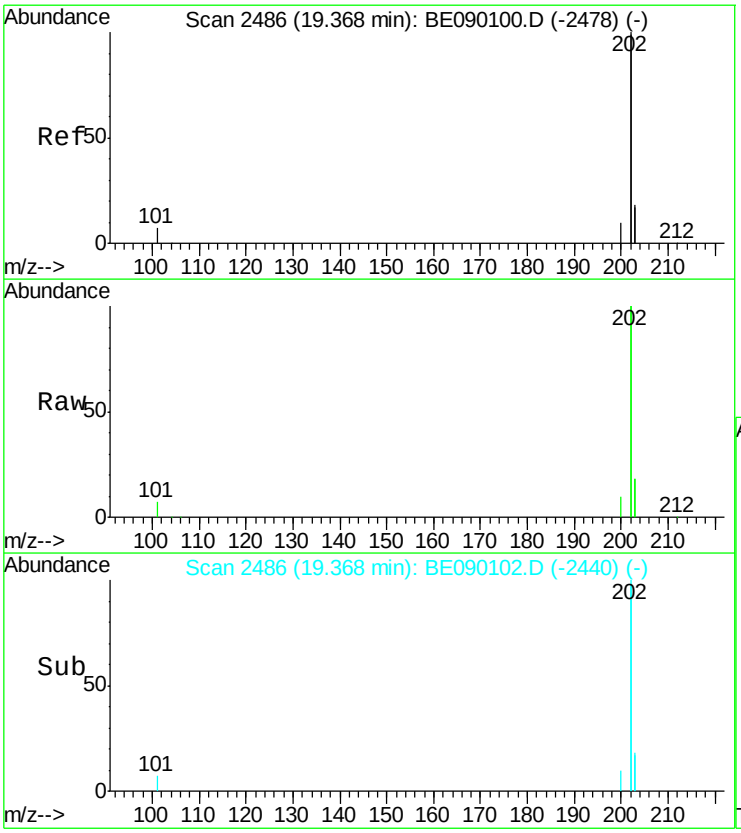

#15
Fluoranthene
Concen: 4.01 ng/ul
RT: 19.00 min Scan# 2430
Delta R.T. 0.00 min
Lab File: BE090102.D
Acq: 14 Jul 2015 17:18

**Instrument :**
BNA_E
**ClientSampleId :**
SSTD1.605

Tgt Ion:202 Resp: 196563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 3.3 | 0.0 | 23.5 |
| 203 | 17.4 | 0.0 | 37.0 |

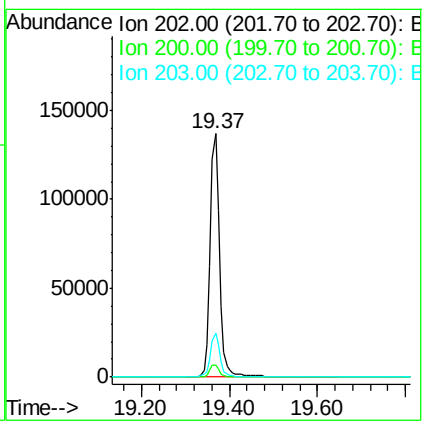


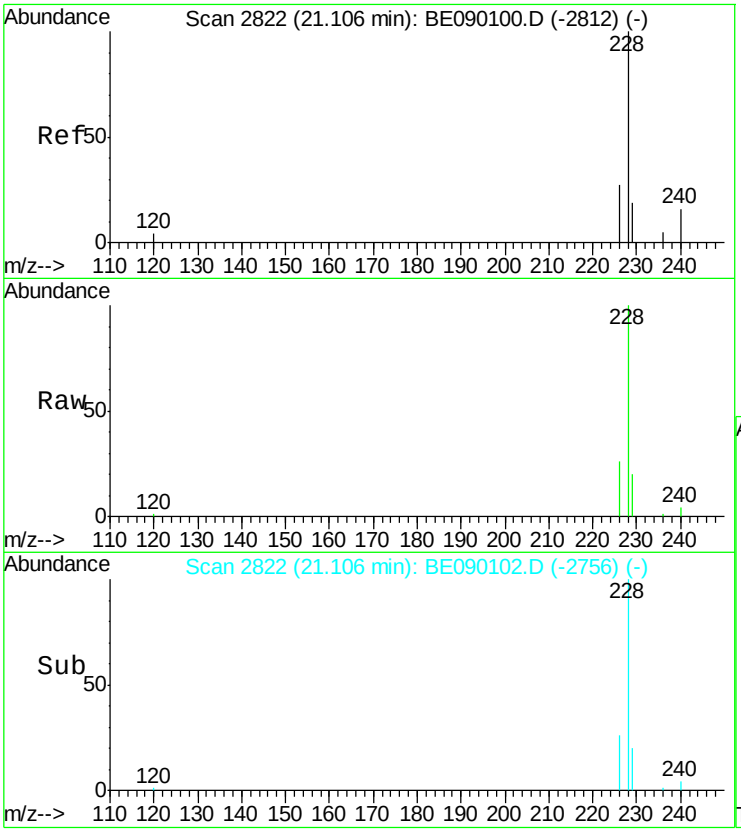




#17
Pyrene
Concen: 3.35 ng/ul
RT: 19.37 min Scan# 2486
Delta R.T. 0.00 min
Lab File: BE090102.D
Acq: 14 Jul 2015 17:18

Tgt Ion:202 Resp: 201279

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 5.1 | 4.2 | 6.4 |
| 203 | 17.9 | 14.5 | 21.7 |



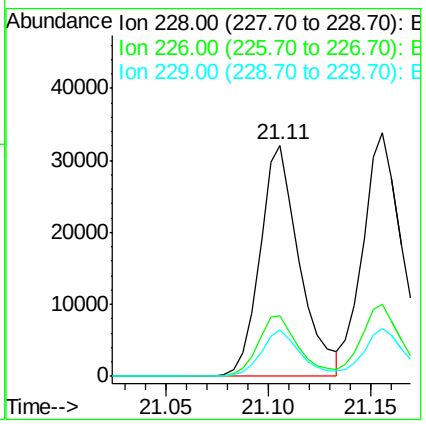


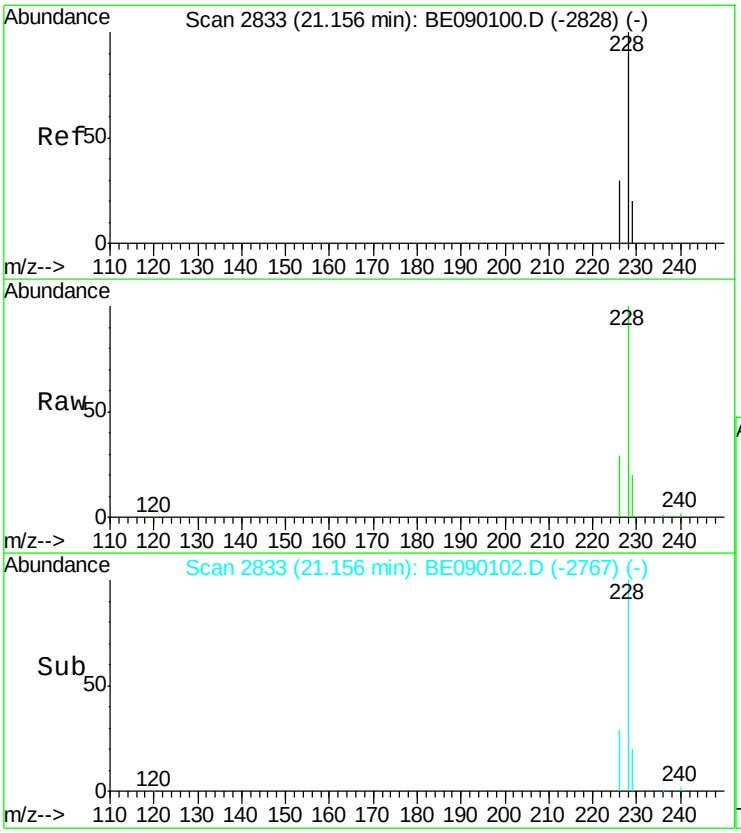

#18
Benzo(a)anthracene
Concen: 1.24 ng/ul
RT: 21.11 min Scan# 2822
Delta R.T. -0.00 min
Lab File: BE090102.D
Acq: 14 Jul 2015 17:18

**Instrument :**
BNA_E
**ClientSampleId :**
SSTD1.605

Tgt Ion:228 Resp: 42904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.1 | 21.8 | 32.8 |
| 229 | 20.0 | 16.0 | 24.0 |

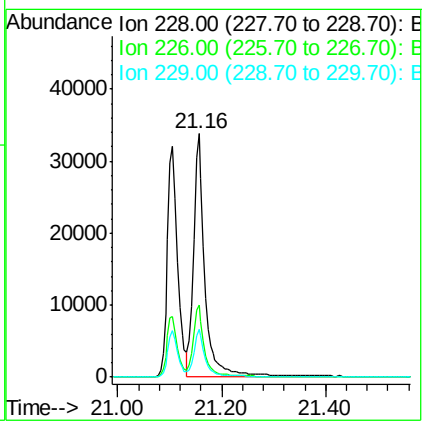


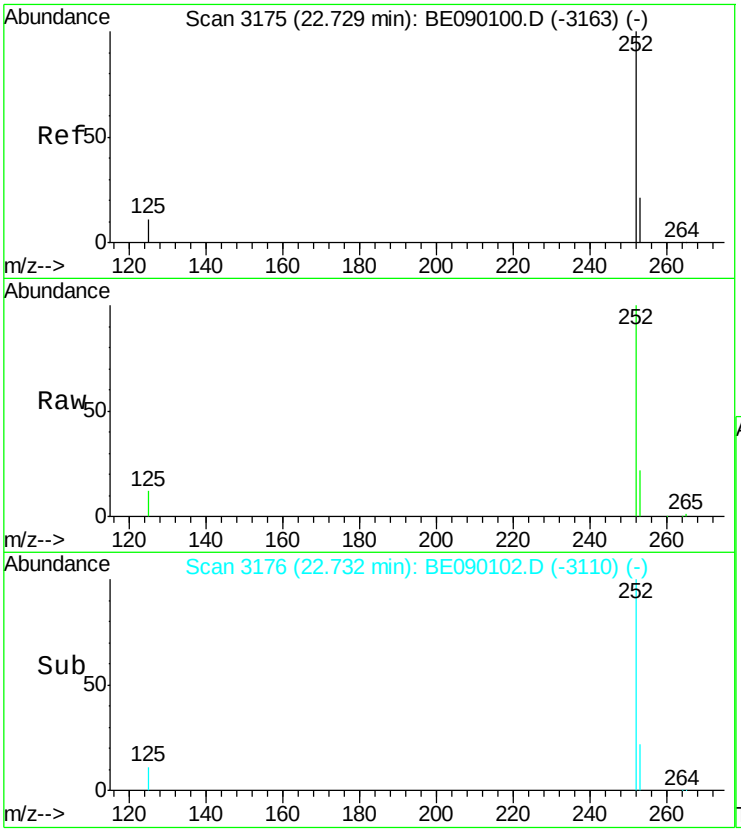




#19
Chrysene
Concen: 1.43 ng/ul
RT: 21.16 min Scan# 2833
Delta R.T. -0.00 min
Lab File: BE090102.D
Acq: 14 Jul 2015 17:18

Tgt Ion:228 Resp: 51164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 24.2 | 36.2 |
| 229 | 19.9 | 16.1 | 24.1 |



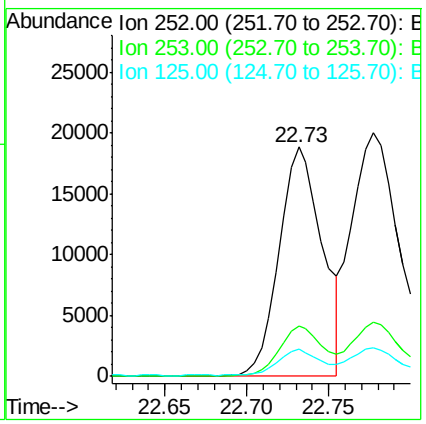


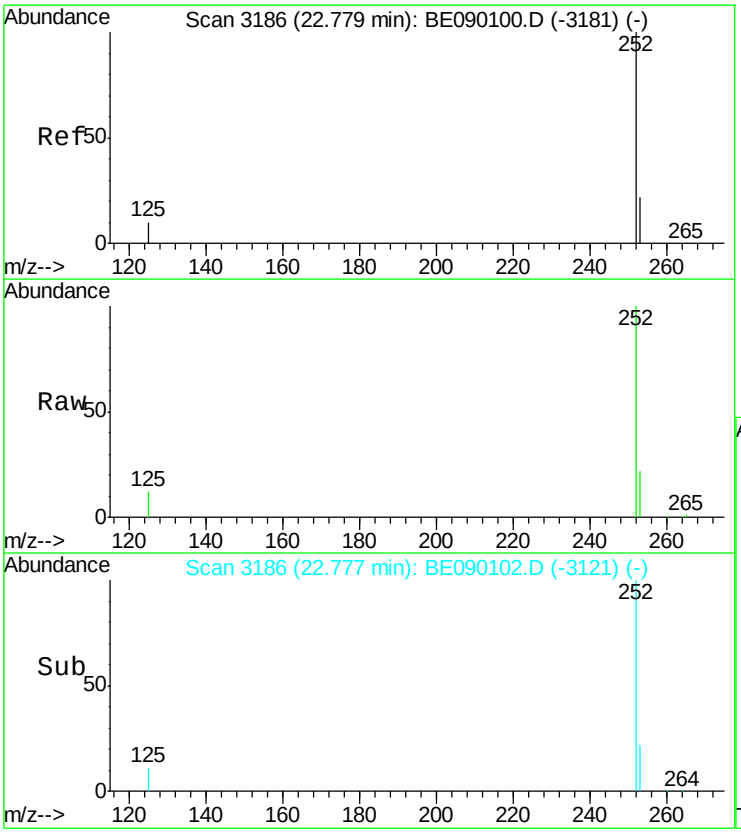

#21
Benzo(b)fluoranthene
Concen: 1.22 ng/ul
RT: 22.73 min Scan# 3176
Delta R.T. 0.00 min
Lab File: BE090102.D
Acq: 14 Jul 2015 17:18

**Instrument :**
BNA_E
**ClientSampleId :**
SSTD1.605

Tgt Ion:252 Resp: 34370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 0.0 | 45.8 |
| 125 | 11.7 | 0.0 | 26.6 |

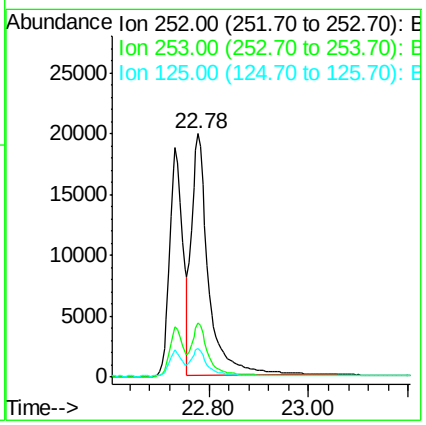


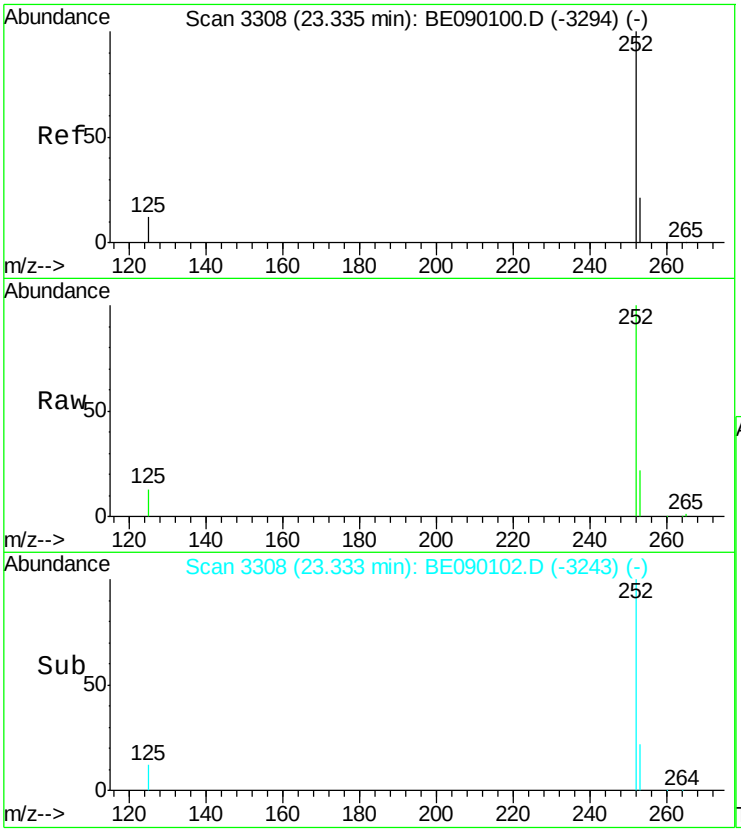




#22
Benzo(k)fluoranthene
Concen: 1.87 ng/ul
RT: 22.78 min Scan# 3186
Delta R.T. -0.00 min
Lab File: BE090102.D
Acq: 14 Jul 2015 17:18

Tgt Ion:252 Resp: 47844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 18.4 | 27.6 |
| 125 | 11.5 | 10.3 | 15.5 |



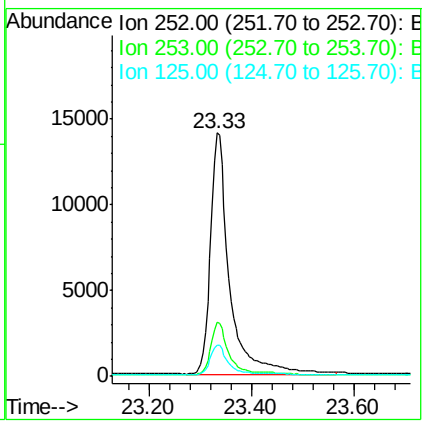


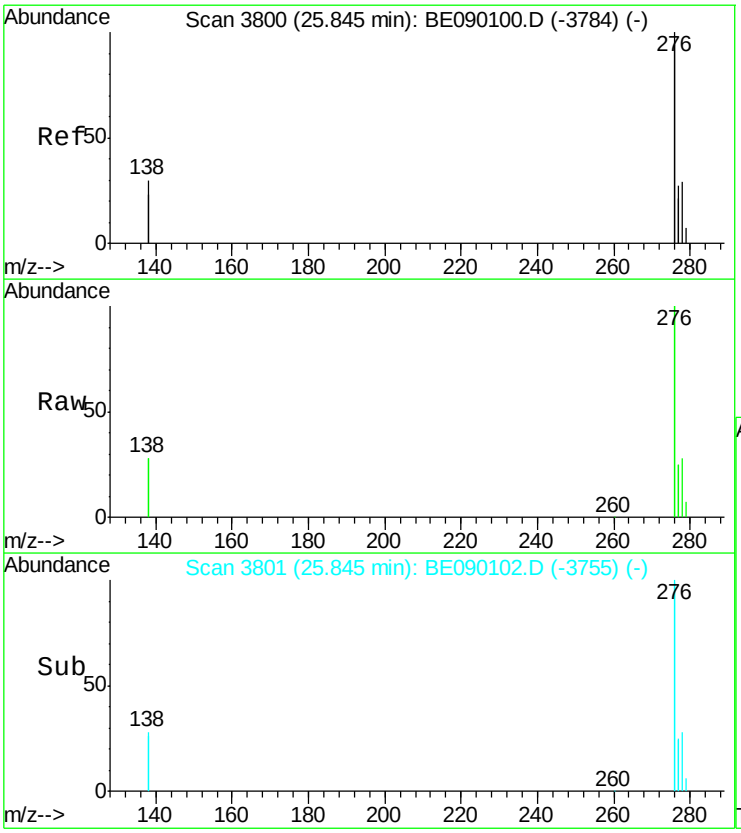

#23
Benzo(a)pyrene
Concen: 1.44 ng/ul
RT: 23.33 min Scan# 3308
Delta R.T. -0.00 min
Lab File: BE090102.D
Acq: 14 Jul 2015 17:18

**Instrument :**
BNA_E
**ClientSampleId :**
SSTD1.605

Tgt Ion:252 Resp: 36178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 18.6 | 27.8 |
| 125 | 12.6 | 12.0 | 18.0 |

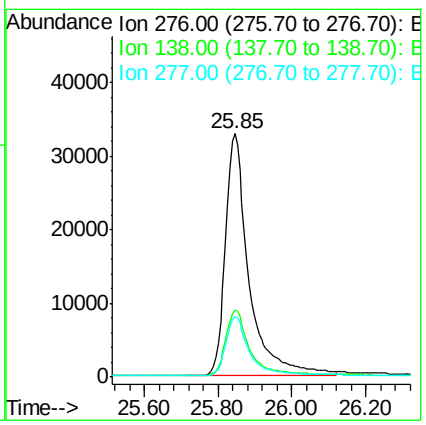


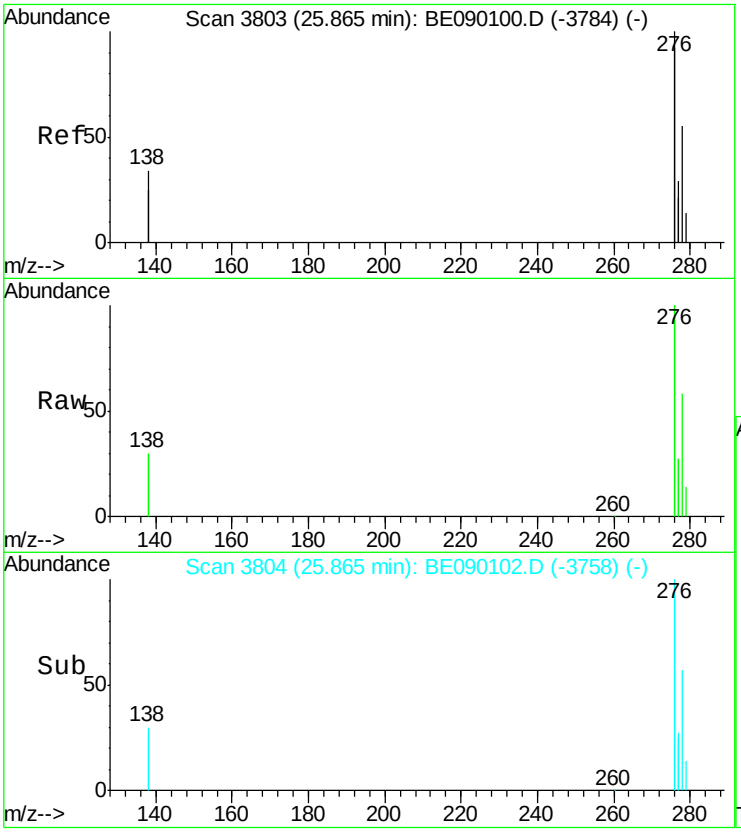




#24
Indeno(1,2,3-cd)pyrene
Concen: 3.78 ng/ul
RT: 25.85 min Scan# 3801
Delta R.T. 0.00 min
Lab File: BE090102.D
Acq: 14 Jul 2015 17:18

Tgt Ion:276 Resp: 146582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 28.1 | 21.8 | 32.8 |
| 277 | 24.9 | 19.4 | 29.2 |



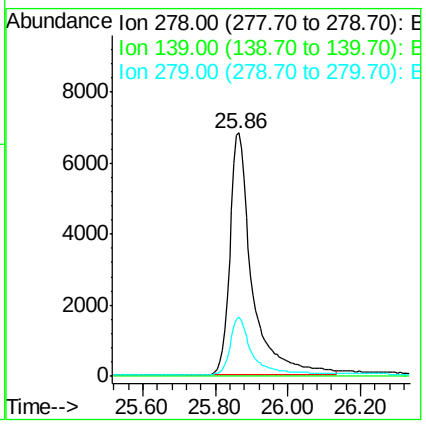


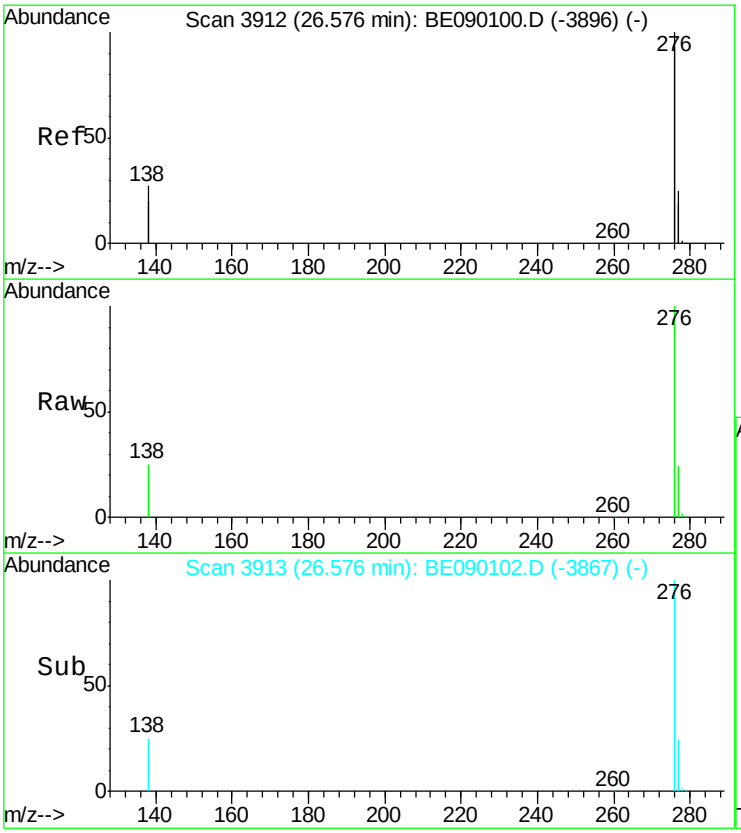

#25
Dibenzo(a,h)anthracene
Concen: 1.37 ng/ul
RT: 25.86 min Scan# 3804
Delta R.T. -0.00 min
Lab File: BE090102.D
Acq: 14 Jul 2015 17:18

**Instrument :**
BNA_E
**ClientSampleId :**
SSTD1.605

Tgt Ion:278 Resp: 28729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 0.0 | 0.0 |
| 279 | 24.3 | 22.6 | 34.0 |




#26
Benzo(g,h,i)perylene
Concen: 3.92 ng/ul
RT: 26.58 min Scan# 3913
Delta R.T. -0.00 min
Lab File: BE090102.D
Acq: 14 Jul 2015 17:18

Tgt Ion:276 Resp: 134249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.9 | 20.0 | 30.0 |
| 138 | 24.8 | 21.7 | 32.5 |