Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072815\
Data File : BE090269.D
Acq On : 28 Jul 2015 13:40
Operator : TP/IZ
Sample : SSTD0.444
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SSTD0.444

Quant Time: Jul 29 04:03:30 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE072815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 29 04:02:27 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.60 | 152 | 1102 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.36 | 136 | 4385 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.21 | 164 | 2380 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 16.94 | 188 | 5680 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.11 | 240 | 4180 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.42 | 264 | 3028 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 11.95 | 152 | 2528 | 0.38 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 18.97 | 212 | 6280 | 0.40 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.40 | 128 | 4458 | 0.38 | ng/ul | 100 |
| 5) 2-Methylnaphthalene | 12.02 | 142 | 2720 | 0.37 | ng/ul | 100 |
| 7) Acenaphthylene | 13.92 | 152 | 19521 | 0.39 | ng/ul | 100 |
| 8) Acenaphthene | 14.26 | 153 | 14439 | 0.40 | ng/ul | 100 |
| 9) Fluorene | 15.26 | 166 | 3861 | 0.40 | ng/ul | 100 |
| 11) Pentachlorophenol | 16.62 | 266 | 135 | 0.29 | ng/ul | 98 |
| 12) Phenanthrene | 16.98 | 178 | 23677 | 0.38 | ng/ul | 100 |
| 13) Anthracene | 17.07 | 178 | 23843 | 0.38 | ng/ul | 100 |
| 15) Fluoranthene | 19.00 | 202 | 28368 | 0.39 | ng/ul | 100 |
| 17) Pyrene | 19.35 | 202 | 28837 | 0.40 | ng/ul | 100 |
| 18) Benzo(a)anthracene | 21.10 | 228 | 2316 | 0.35 | ng/ul | 100 |
| 19) Chrysene | 21.15 | 228 | 6192 | 0.33 | ng/ul | 100 |
| 21) Benzo(b)fluoranthene | 22.72 | 252 | 1587 | 0.33 | ng/ul | 100 |
| 22) Benzo(k)fluoranthene | 22.77 | 252 | 4043 | 0.26 | ng/ul | 100 |
| 23) Benzo(a)pyrene | 23.32 | 252 | 1970 | 0.30 | ng/ul | 100 |
| 24) Indeno(1,2,3-cd)pyrene | 25.82 | 276 | 6196 | 0.32 | ng/ul | 100 |
| 25) Dibenzo(a,h)anthracene | 25.84 | 278 | 712 | 0.25 | ng/ul | 100 |
| 26) Benzo(g,h,i)perylene | 26.55 | 276 | 10316 | 0.35 | ng/ul | 100 |

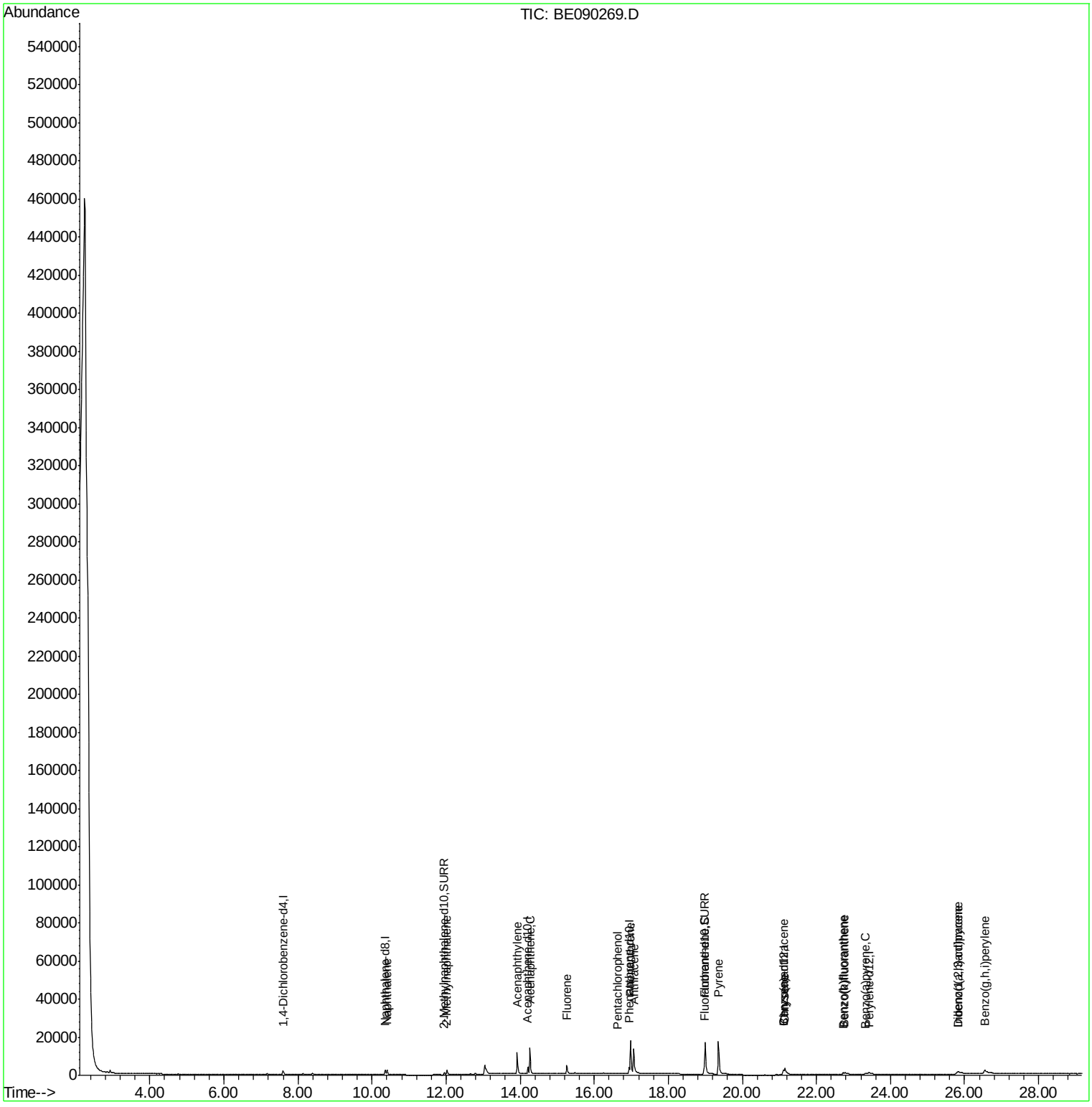
(#) = qualifier out of range (m) = manual integration (+) = signals summed

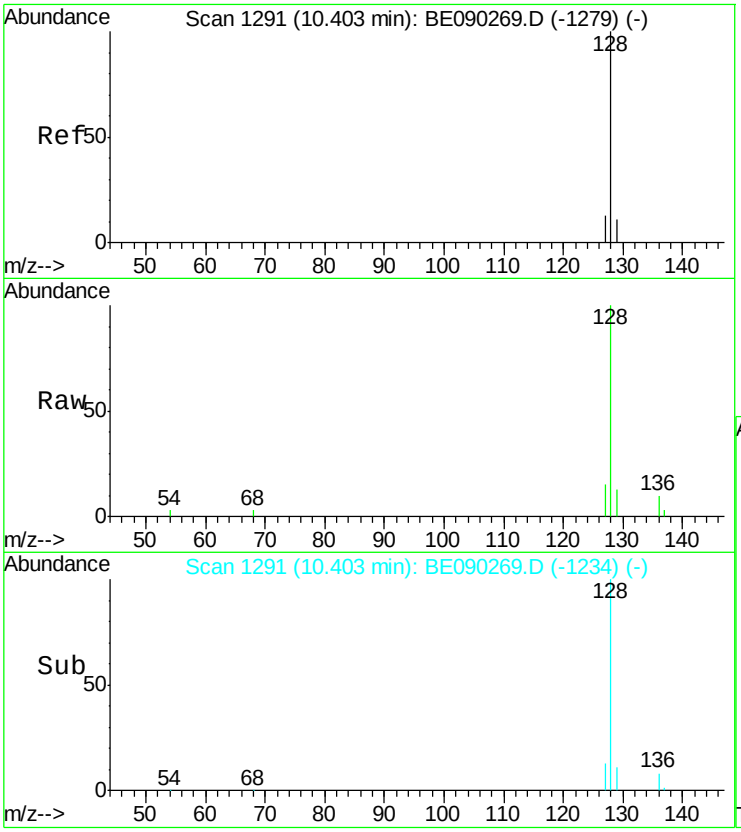
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072815\
Data File : BE090269.D
Acq On : 28 Jul 2015 13:40
Operator : TP/IZ
Sample : SSTD0.444
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.444

Quant Time: Jul 29 04:03:30 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE072815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 29 04:02:27 2015
Response via : Initial Calibration



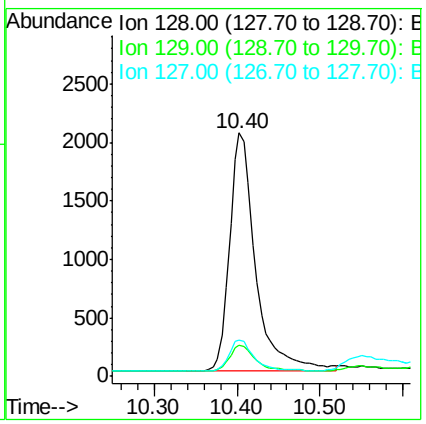


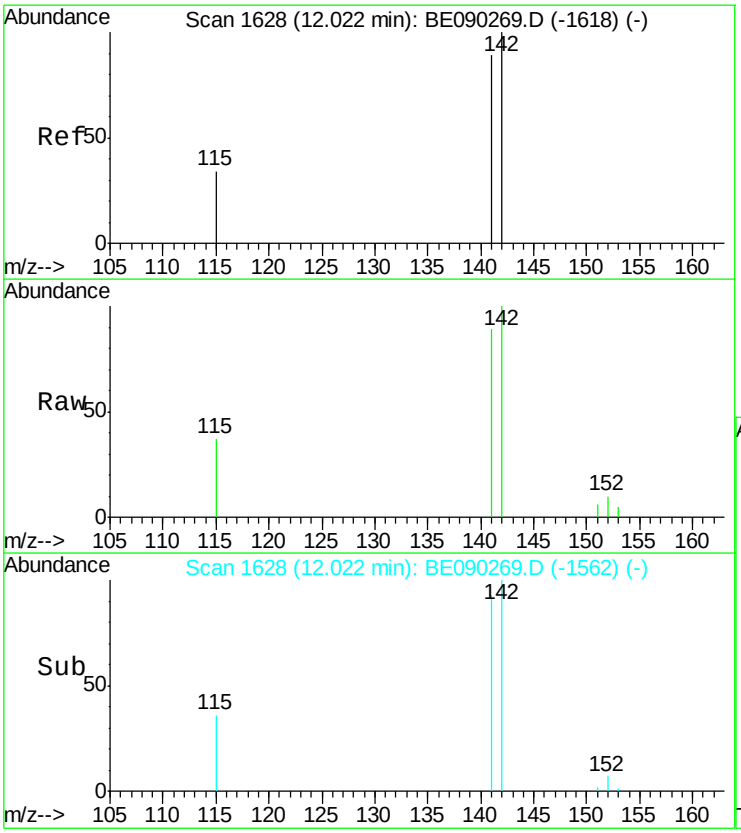

#3
Naphthalene
Concen: 0.38 ng/ul
RT: 10.40 min Scan# 1291
Delta R.T. 0.00 min
Lab File: BE090269.D
Acq: 28 Jul 2015 13:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.444

Tgt Ion:128 Resp: 4458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 13.0 | 10.4 | 15.6 |
| 127 | 15.1 | 12.1 | 18.1 |

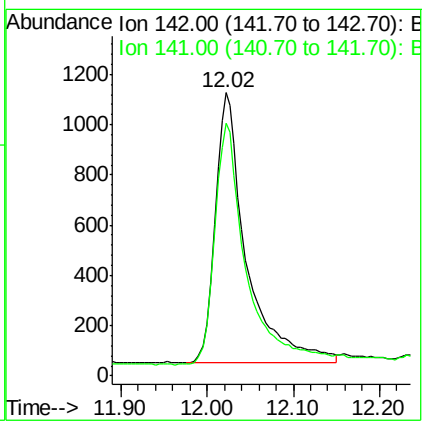


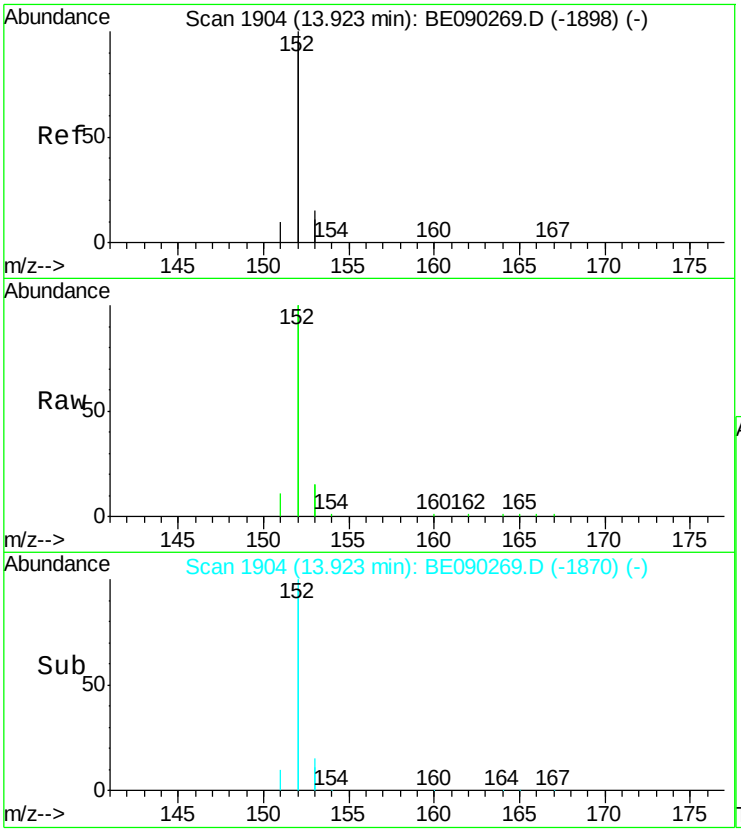




#5
2-Methylnaphthalene
Concen: 0.37 ng/ul
RT: 12.02 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE090269.D
Acq: 28 Jul 2015 13:40

Tgt Ion:142 Resp: 2720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.2 | 73.0 | 109.4 |



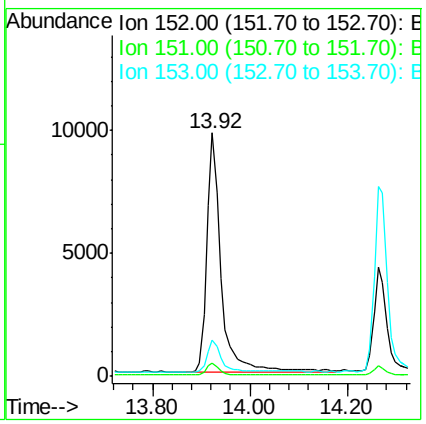


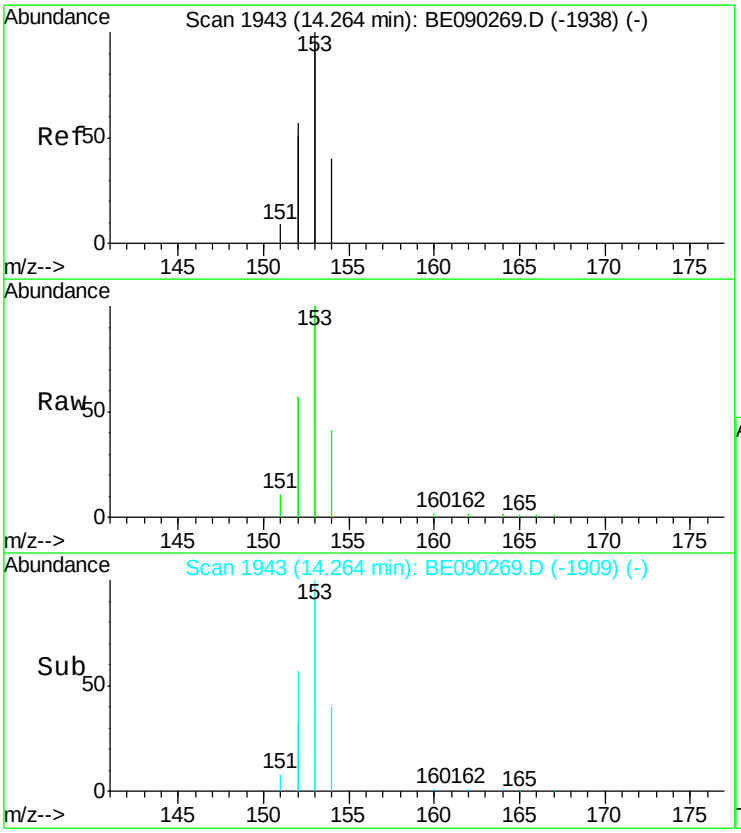

#7
Acenaphthylene
Concen: 0.39 ng/ul
RT: 13.92 min Scan# 1904
Delta R.T. 0.00 min
Lab File: BE090269.D
Acq: 28 Jul 2015 13:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.444

Tgt Ion:152 Resp: 19521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 5.4 | 4.3 | 6.5 |
| 153 | 14.9 | 11.9 | 17.9 |

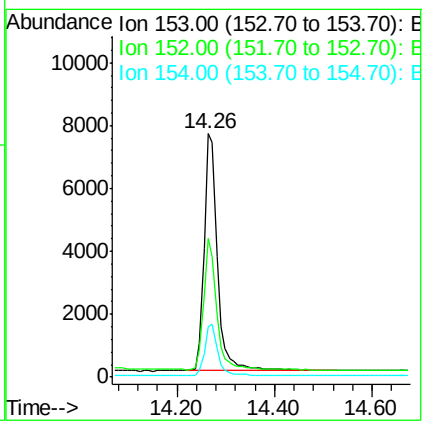


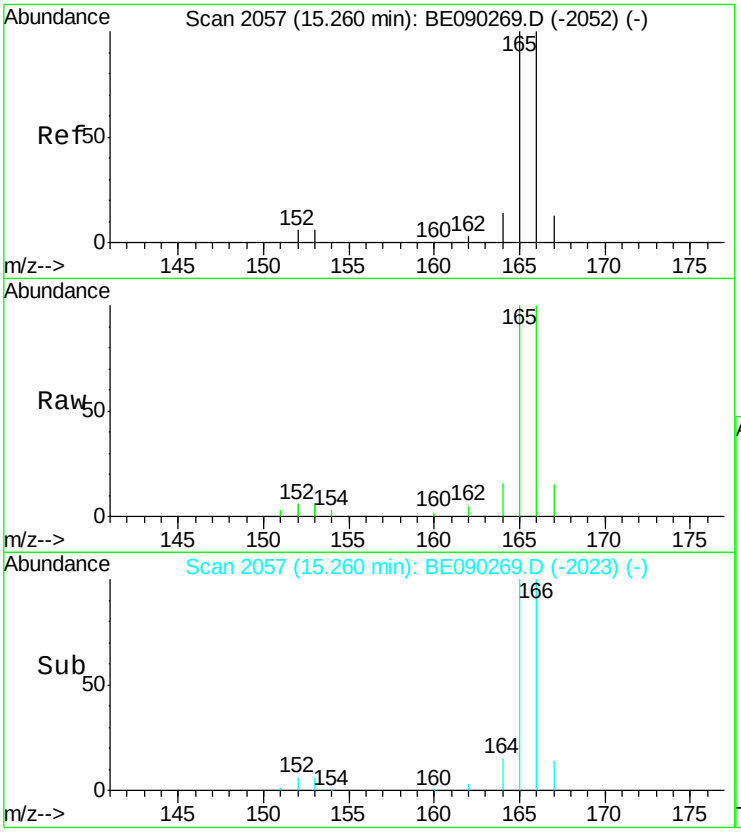




#8
Acenaphthene
Concen: 0.40 ng/ul
RT: 14.26 min Scan# 1943
Delta R.T. 0.00 min
Lab File: BE090269.D
Acq: 28 Jul 2015 13:40

Tgt Ion:153 Resp: 14439

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 57.1 | 45.7 | 68.5 |
| 154 | 20.5 | 16.4 | 24.6 |



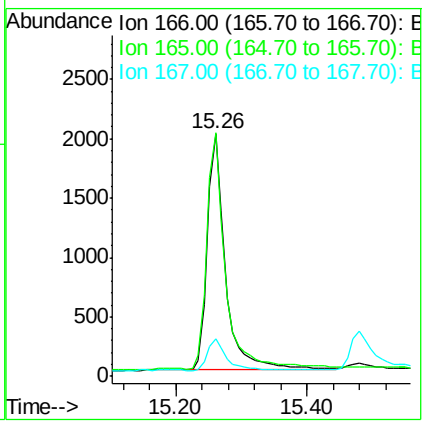


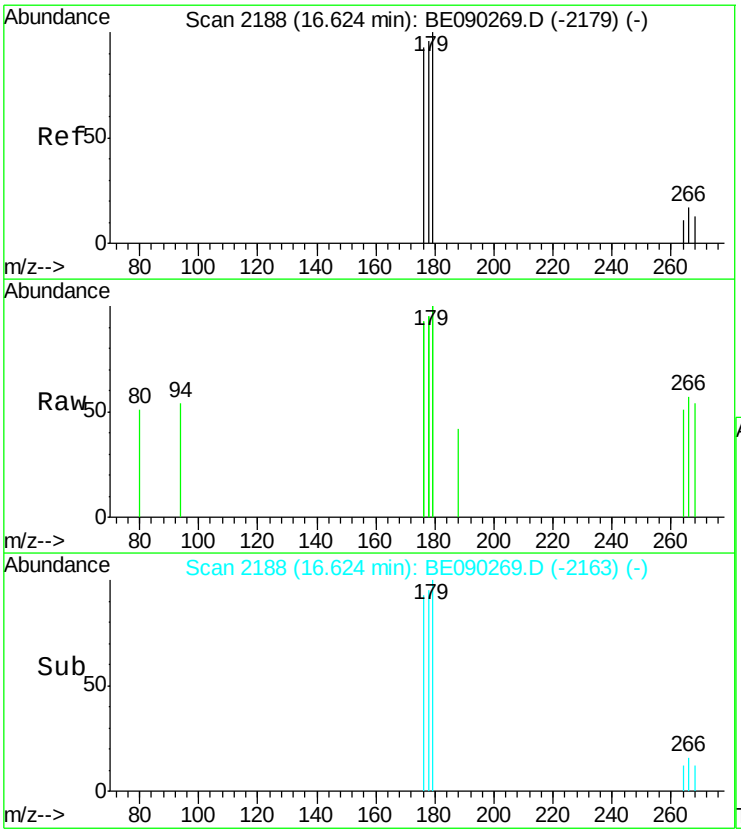

#9
Fluorene
Concen: 0.40 ng/ul
RT: 15.26 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BE090269.D
Acq: 28 Jul 2015 13:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.444

Tgt Ion:166 Resp: 3861

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.4 | 80.3 | 120.5 |
| 167 | 15.5 | 12.4 | 18.6 |

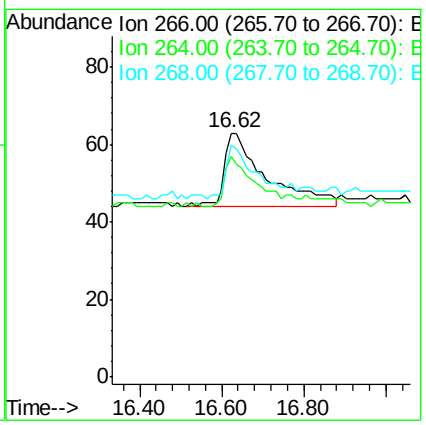


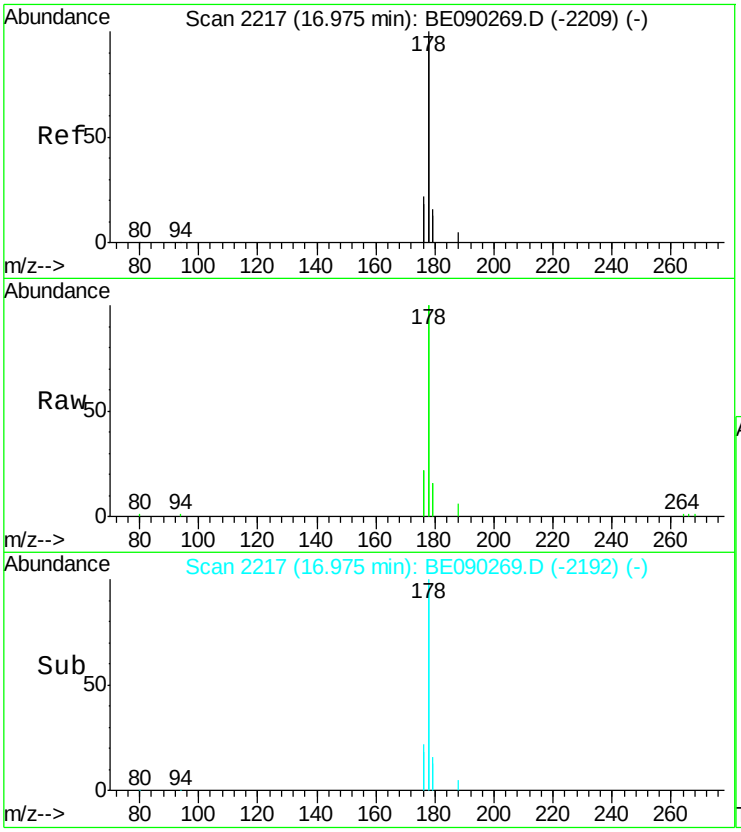




#11
Pentachlorophenol
Concen: 0.29 ng/ul
RT: 16.62 min Scan# 2188
Delta R.T. 0.00 min
Lab File: BE090269.D
Acq: 28 Jul 2015 13:40

Tgt Ion:266 Resp: 135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 52.6 | 43.4 | 65.0 |
| 268 | 54.1 | 44.6 | 66.8 |



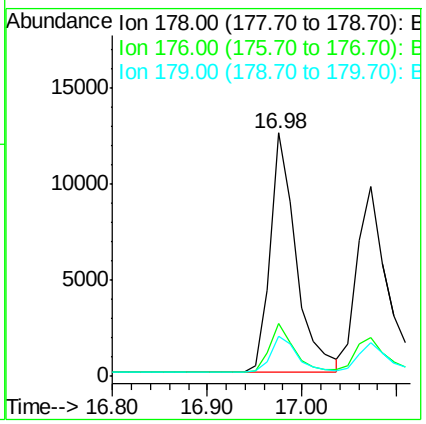


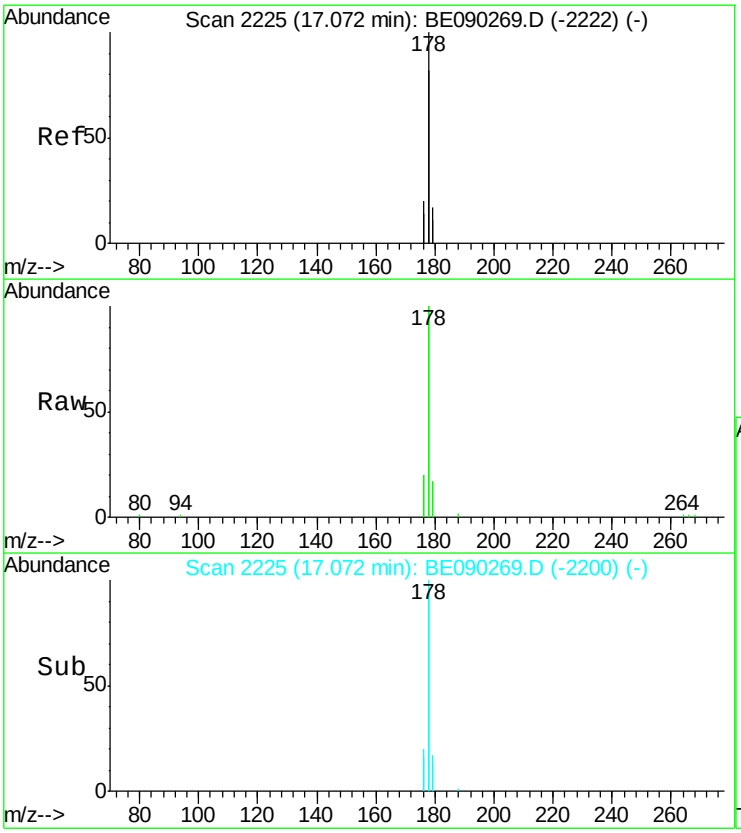

#12
Phenanthrene
Concen: 0.38 ng/ul
RT: 16.98 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BE090269.D
Acq: 28 Jul 2015 13:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.444

Tgt Ion:178 Resp: 23677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 21.6 | 17.3 | 25.9 |
| 179 | 16.4 | 13.1 | 19.7 |

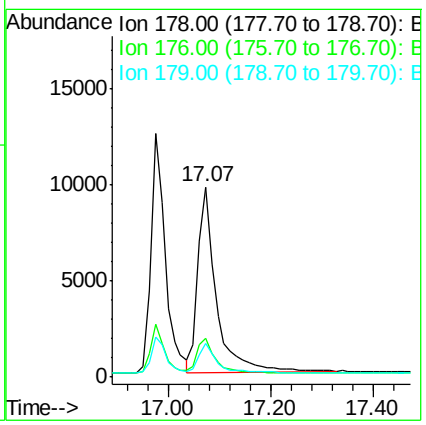


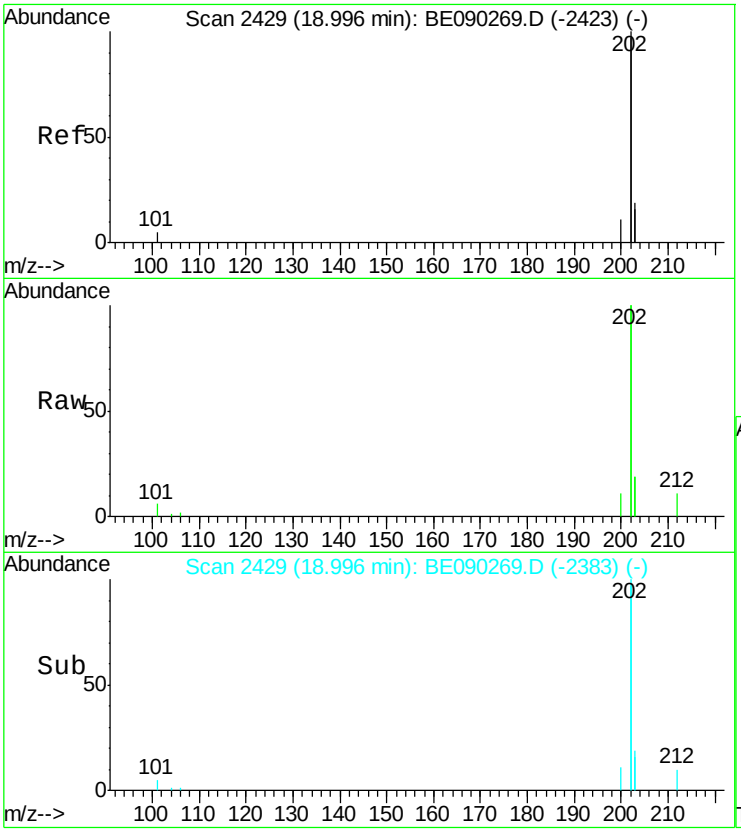




#13
Anthracene
Concen: 0.38 ng/ul
RT: 17.07 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BE090269.D
Acq: 28 Jul 2015 13:40

Tgt Ion:178 Resp: 23843

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.5 | 16.4 | 24.6 |
| 179 | 17.4 | 13.9 | 20.9 |



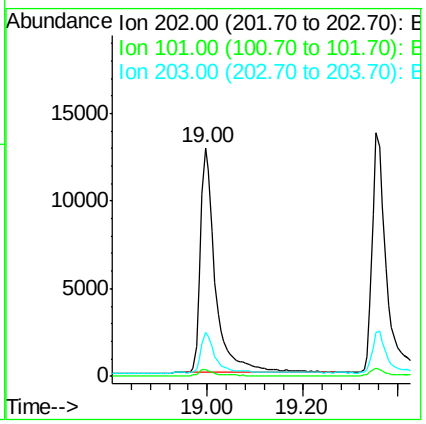


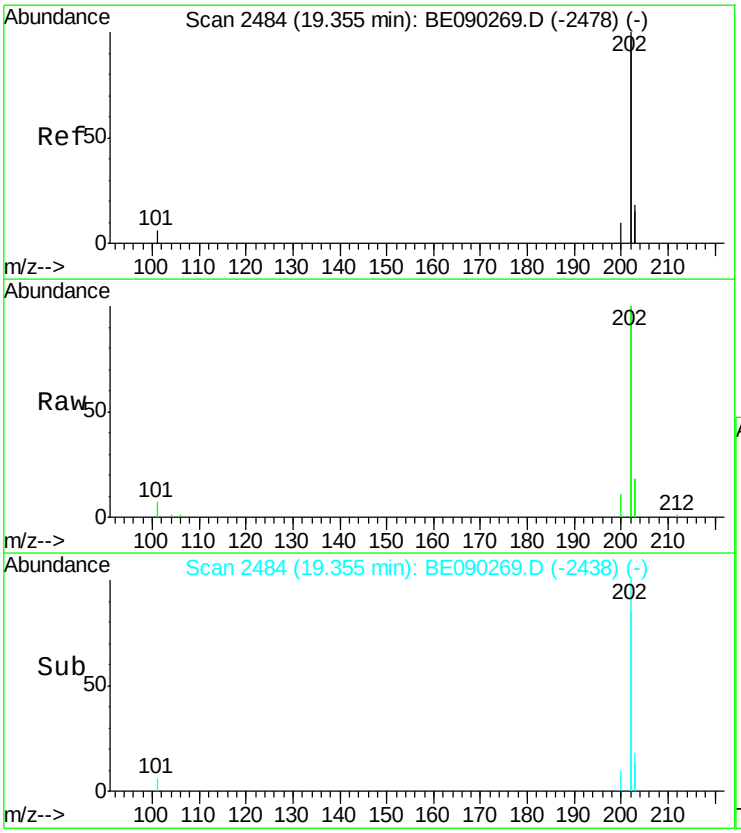

#15
Fluoranthene
Concen: 0.39 ng/ul
RT: 19.00 min Scan# 2429
Delta R.T. 0.00 min
Lab File: BE090269.D
Acq: 28 Jul 2015 13:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.444

Tgt Ion:202 Resp: 28368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 2.9 | 0.0 | 22.9 |
| 203 | 19.0 | 0.0 | 39.0 |

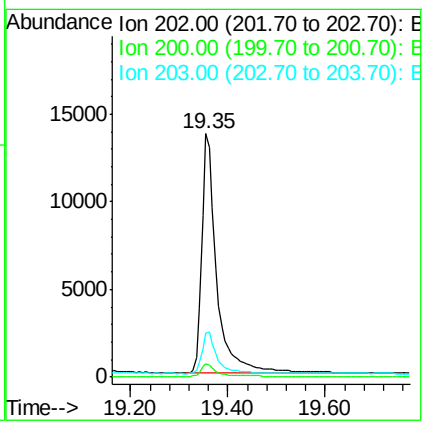


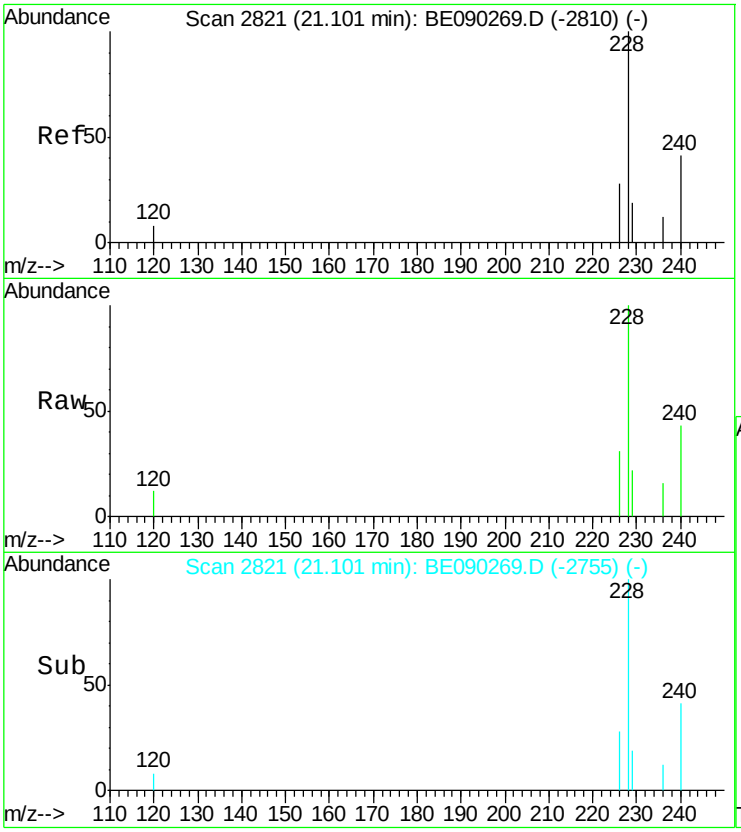




#17
Pyrene
Concen: 0.40 ng/ul
RT: 19.35 min Scan# 2484
Delta R.T. 0.00 min
Lab File: BE090269.D
Acq: 28 Jul 2015 13:40

Tgt Ion:202 Resp: 28837

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 5.6 | 4.5 | 6.7 |
| 203 | 18.0 | 14.4 | 21.6 |



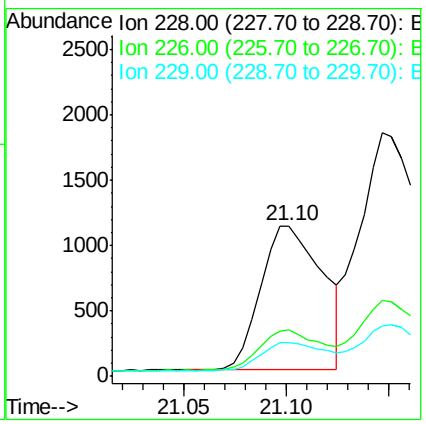


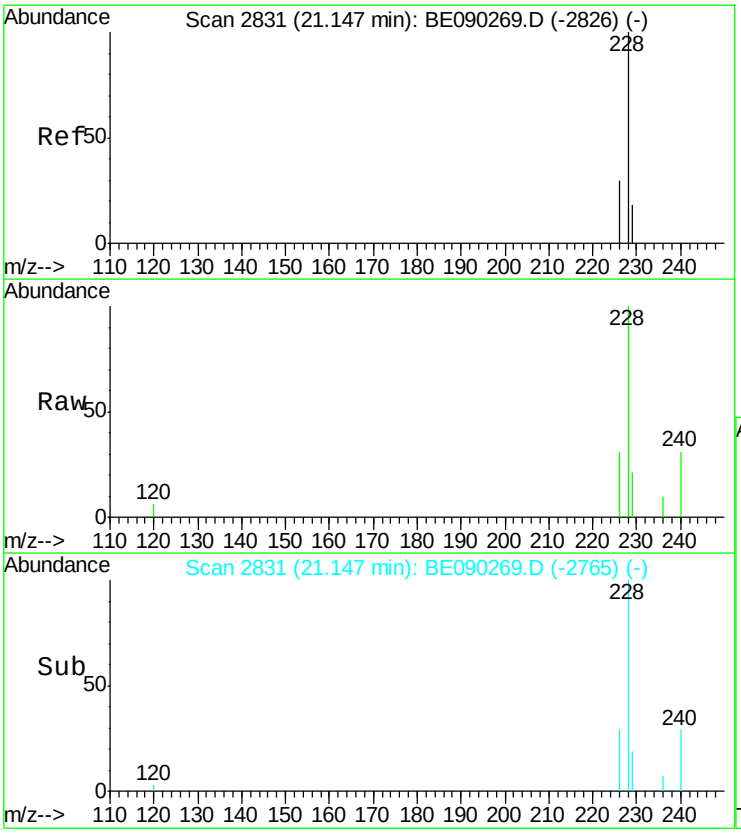

#18
Benzo(a)anthracene
Concen: 0.35 ng/ul
RT: 21.10 min Scan# 2821
Delta R.T. 0.00 min
Lab File: BE090269.D
Acq: 28 Jul 2015 13:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.444

Tgt Ion:228 Resp: 2316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.7 | 24.6 | 36.8 |
| 229 | 22.4 | 17.9 | 26.9 |

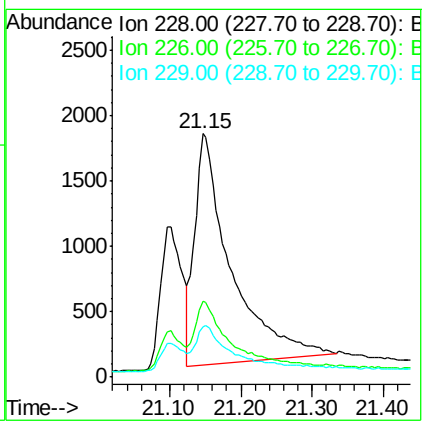


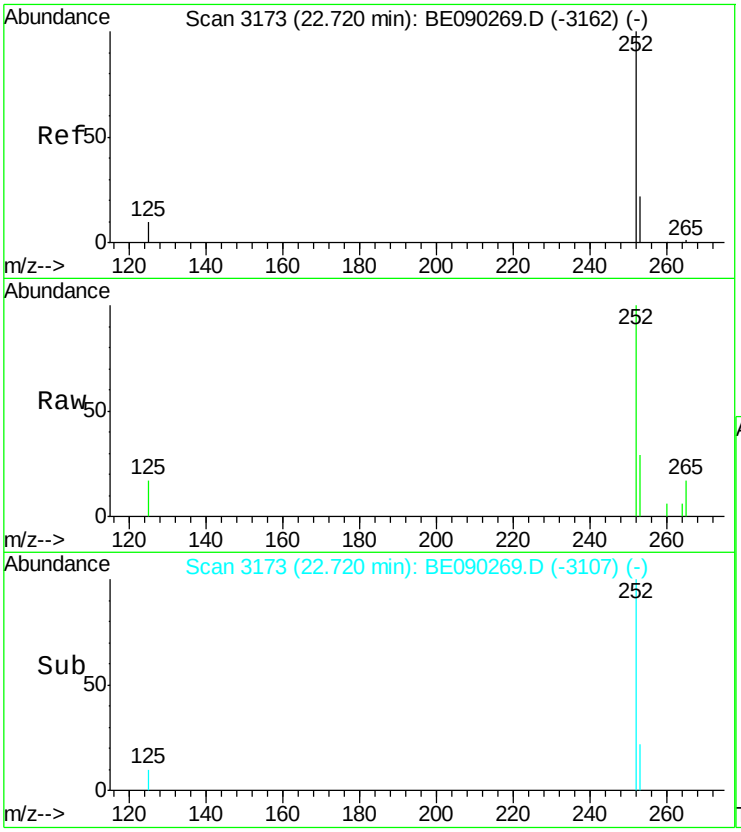




#19
Chrysene
Concen: 0.33 ng/ul
RT: 21.15 min Scan# 2831
Delta R.T. 0.00 min
Lab File: BE090269.D
Acq: 28 Jul 2015 13:40

Tgt Ion:228 Resp: 6192

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.2 | 25.0 | 37.4 |
| 229 | 20.7 | 16.6 | 24.8 |



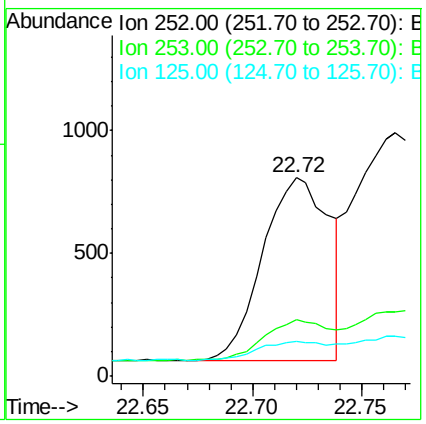


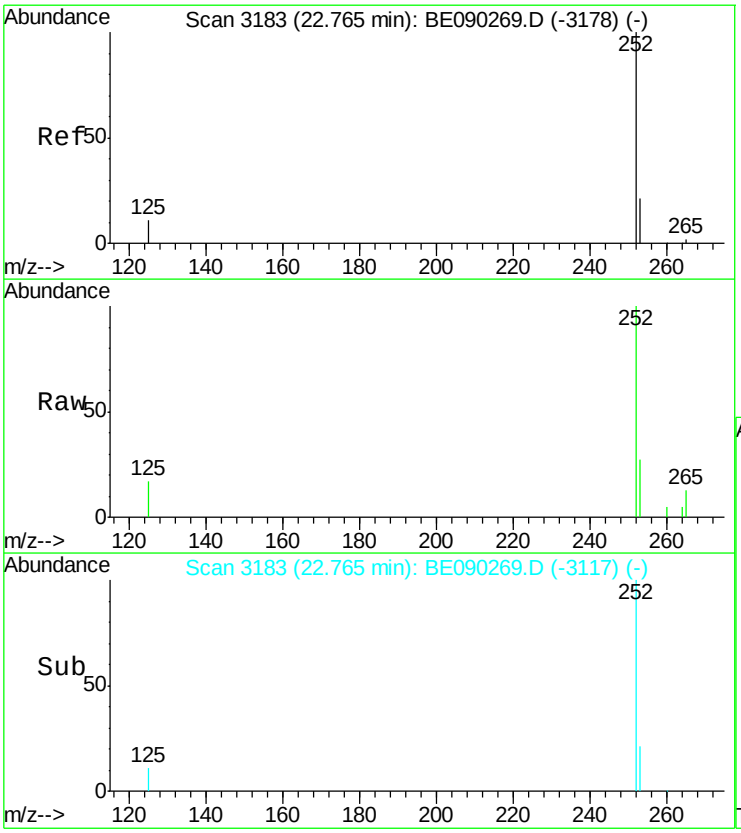

#21
Benzo(b)fluoranthene
Concen: 0.33 ng/ul
RT: 22.72 min Scan# 3173
Delta R.T. 0.00 min
Lab File: BE090269.D
Acq: 28 Jul 2015 13:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.444

Tgt Ion:252 Resp: 1587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 28.6 | 0.0 | 57.2 |
| 125 | 17.3 | 0.0 | 34.6 |

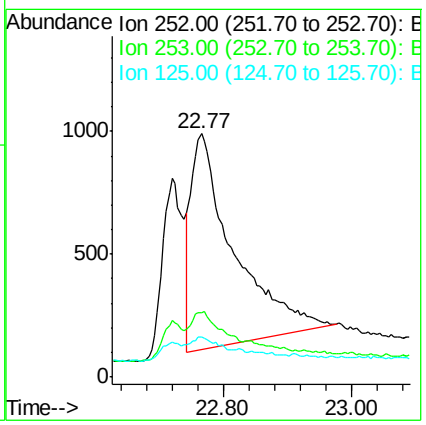


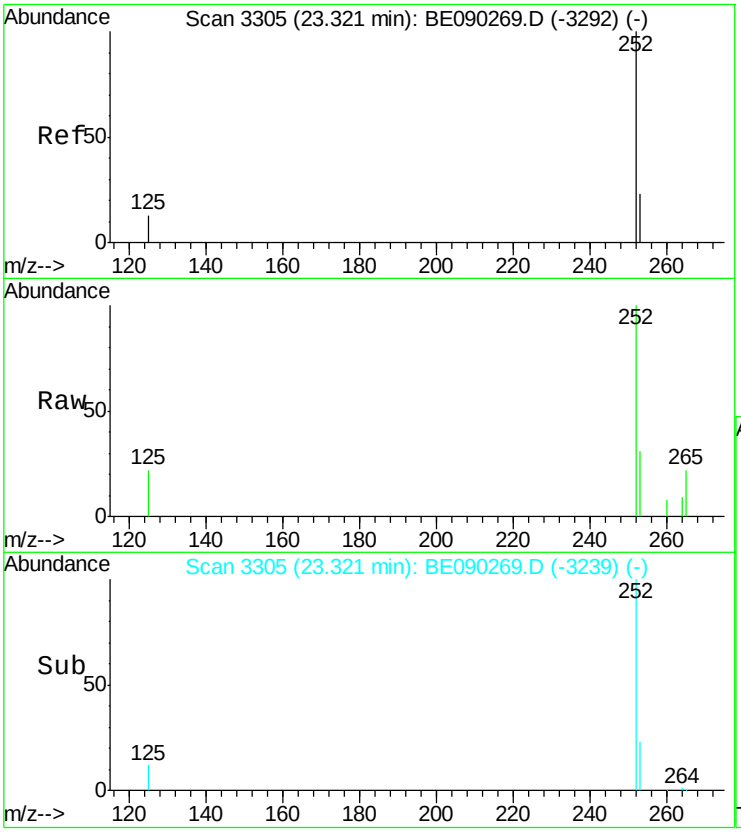




#22
Benzo(k)fluoranthene
Concen: 0.26 ng/ul
RT: 22.77 min Scan# 3183
Delta R.T. 0.00 min
Lab File: BE090269.D
Acq: 28 Jul 2015 13:40

Tgt Ion:252 Resp: 4043

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.6 | 21.3 | 31.9 |
| 125 | 16.6 | 13.3 | 19.9 |



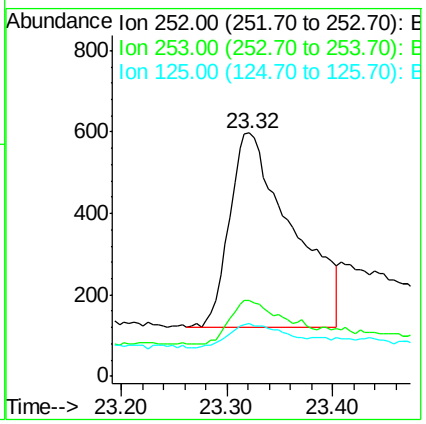


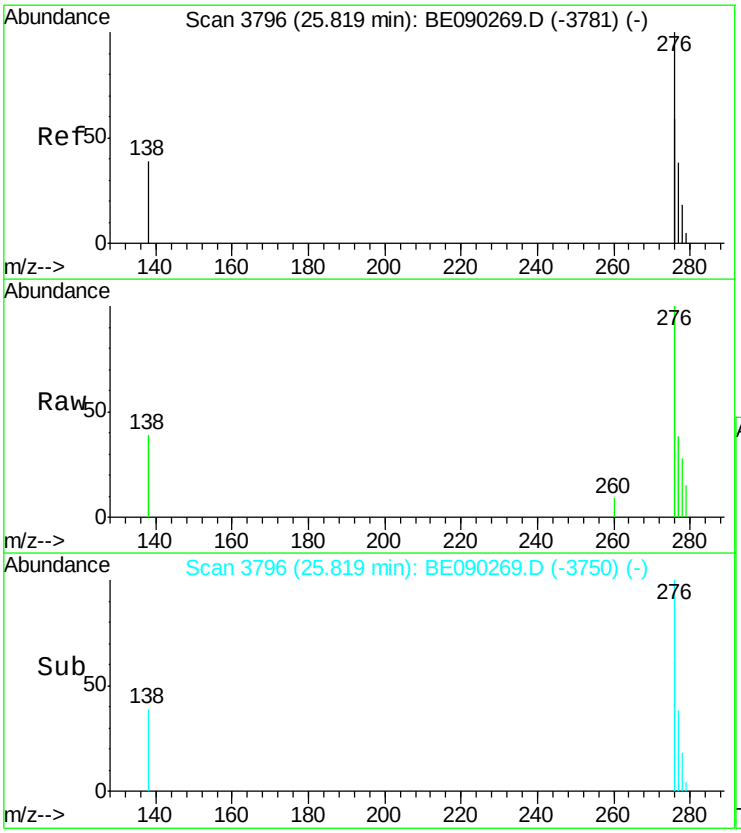

#23
Benzo(a)pyrene
Concen: 0.30 ng/ul
RT: 23.32 min Scan# 3305
Delta R.T. 0.00 min
Lab File: BE090269.D
Acq: 28 Jul 2015 13:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.444

Tgt Ion:252 Resp: 1970

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 31.1 | 24.9 | 37.3 |
| 125 | 21.9 | 17.5 | 26.3 |

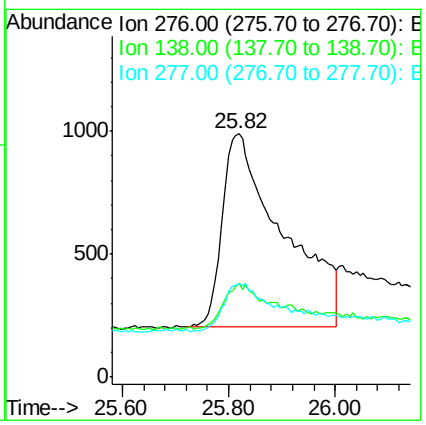


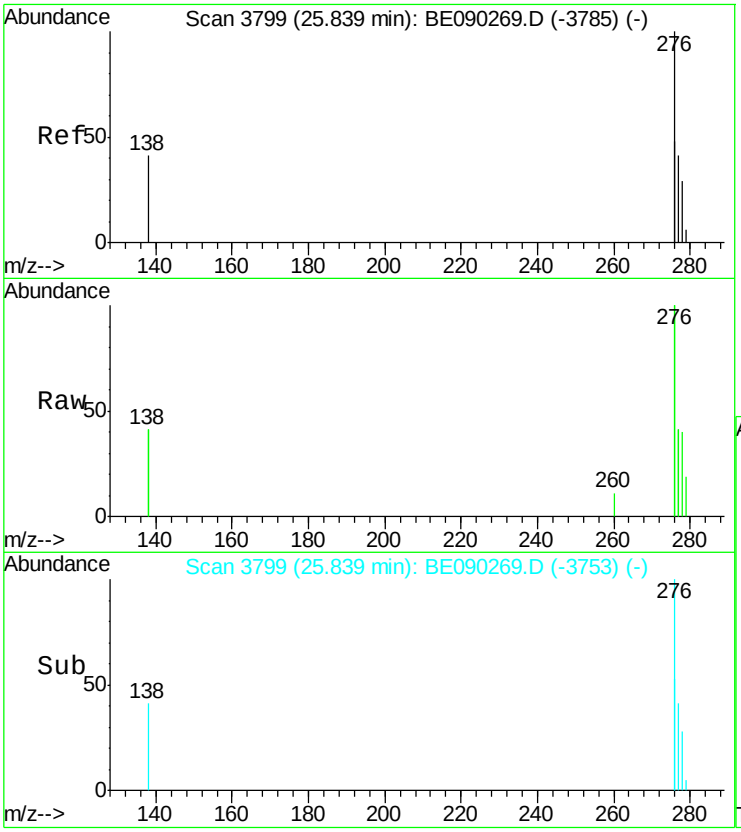




#24
Indeno(1,2,3-cd)pyrene
Concen: 0.32 ng/ul
RT: 25.82 min Scan# 3796
Delta R.T. 0.00 min
Lab File: BE090269.D
Acq: 28 Jul 2015 13:40

Tgt Ion:276 Resp: 6196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.9 | 13.5 | 20.3 |
| 277 | 20.5 | 16.4 | 24.6 |



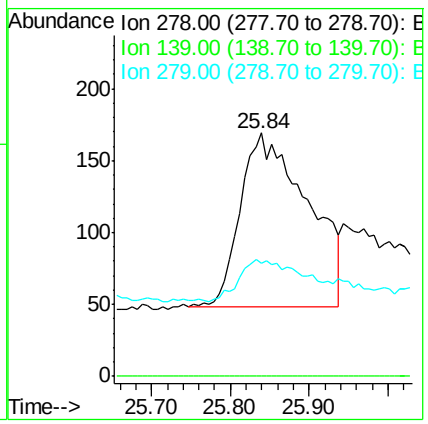


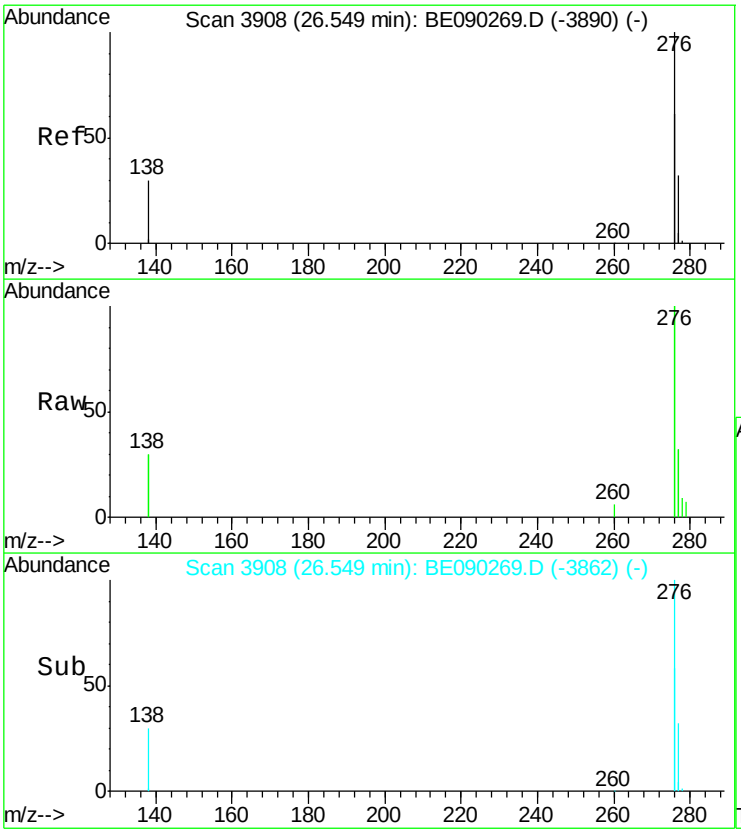

#25
Dibenzo(a,h)anthracene
Concen: 0.25 ng/ul
RT: 25.84 min Scan# 3799
Delta R.T. 0.00 min
Lab File: BE090269.D
Acq: 28 Jul 2015 13:40

**Instrument :**
BNA_M
**ClientSampleId :**
SSTD0.444

Tgt Ion:278 Resp: 712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 0.0 | 0.0 |
| 279 | 46.7 | 37.4 | 56.0 |




#26
Benzo(g,h,i)perylene
Concen: 0.35 ng/ul
RT: 26.55 min Scan# 3908
Delta R.T. 0.00 min
Lab File: BE090269.D
Acq: 28 Jul 2015 13:40

Tgt Ion:276 Resp: 10316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 31.9 | 25.5 | 38.3 |
| 138 | 29.9 | 23.9 | 35.9 |