Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081617\
Data File : BE093850.D
Acq On : 16 Aug 2017 21:17
Operator : SJ/JU
Sample : I4672-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** C0AG2

Quant Time: Aug 17 03:06:39 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 17 02:52:40 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.92 | 152 | 2369 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.70 | 136 | 12619 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.52 | 164 | 7892 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.26 | 188 | 17024 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.41 | 240 | 17916 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.76 | 264 | 683143 | 0.40 | ng/ul | -0.15 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.28 | 152 | 3335 | 0.16 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.27 | 212 | 9563 | 0.18 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.76 | 128 | 53390 | 1.739 | ng/ul# | 91 |
| 5) 2-Methylnaphthalene | 12.35 | 142 | 37256 | 1.664 | ng/ul | 99 |
| 7) Acenaphthylene | 14.24 | 152 | 24753 | 0.750 | ng/ul | 99 |
| 8) Acenaphthene | 14.58 | 153 | 9463 | 0.364 | ng/ul | 96 |
| 9) Fluorene | 15.57 | 166 | 14282 | 0.435 | ng/ul | 92 |
| 12) Phenanthrene | 17.29 | 178 | 588167 | 12.686 | ng/ul# | 89 |
| 13) Anthracene | 17.38 | 178 | 156321 | 3.462 | ng/ul# | 89 |
| 15) Fluoranthene | 19.30 | 202 | 895871 | 15.451 | ng/ul | 84 |
| 17) Pyrene | 19.66 | 202 | 774202 | 14.804 | ng/ul# | 84 |
| 18) Benzo(a)anthracene | 21.39 | 228 | 465607 | 8.964 | ng/ul# | 84 |
| 19) Chrysene | 21.45 | 228 | 536920 | 10.777 | ng/ul | 99 |
| 21) Benzo(b)fluoranthene | 23.15 | 252 | 710511 | 0.336 | ng/ul | 85 |
| 22) Benzo(k)fluoranthene | 23.15 | 252 | 710511 | 0.341 | ng/ul# | 86 |
| 23) Benzo(a)pyrene | 23.70 | 252 | 353513 | 0.176 | ng/ul# | 82 |
| 26) Benzo(g,h,i)perylene | 27.38 | 276 | 140425 | 0.075 | ng/ul | 96 |

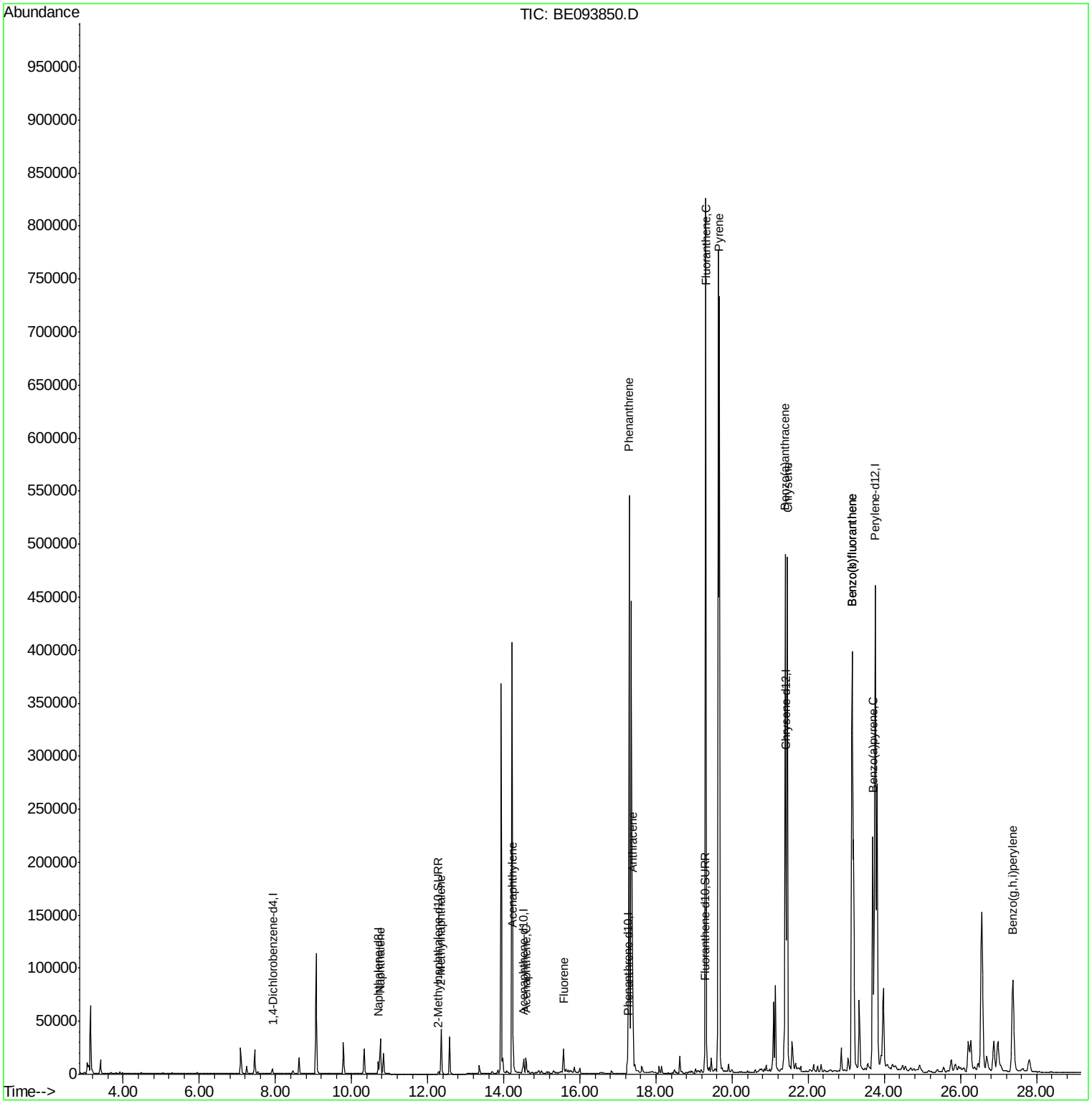
(#) = qualifier out of range (m) = manual integration (+) = signals summed

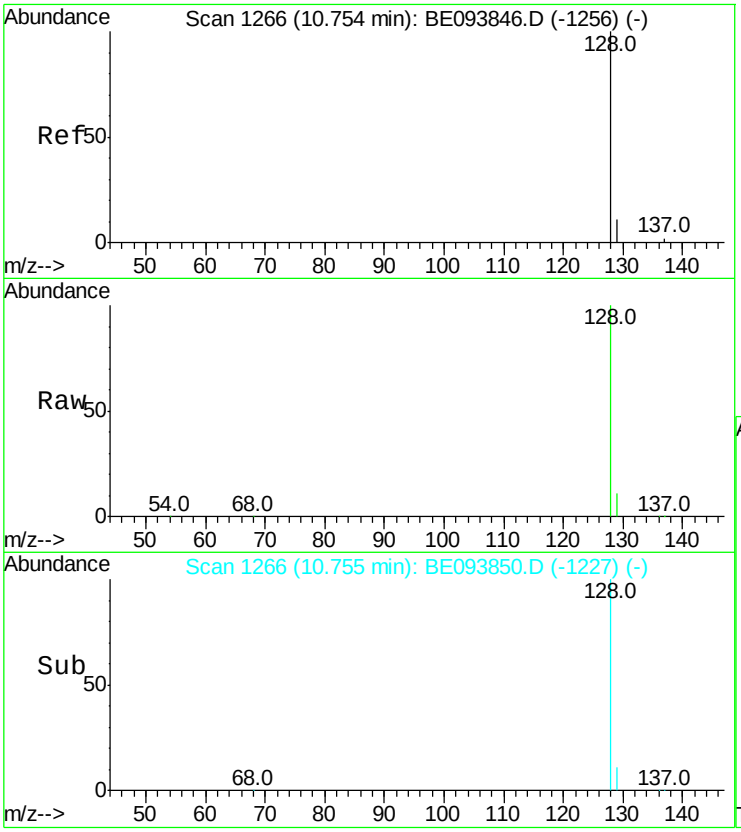
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081617\
Data File : BE093850.D
Acq On : 16 Aug 2017 21:17
Operator : SJ/JU
Sample : I4672-18
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
C0AG2

Quant Time: Aug 17 03:06:39 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 17 02:52:40 2017
Response via : Initial Calibration



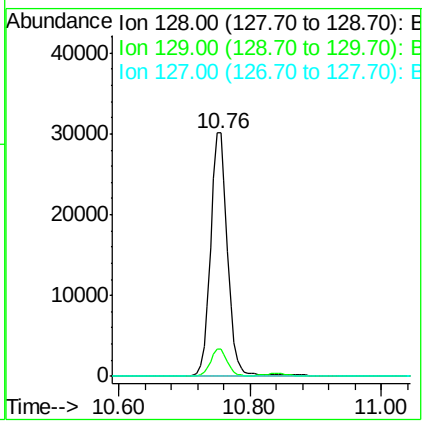


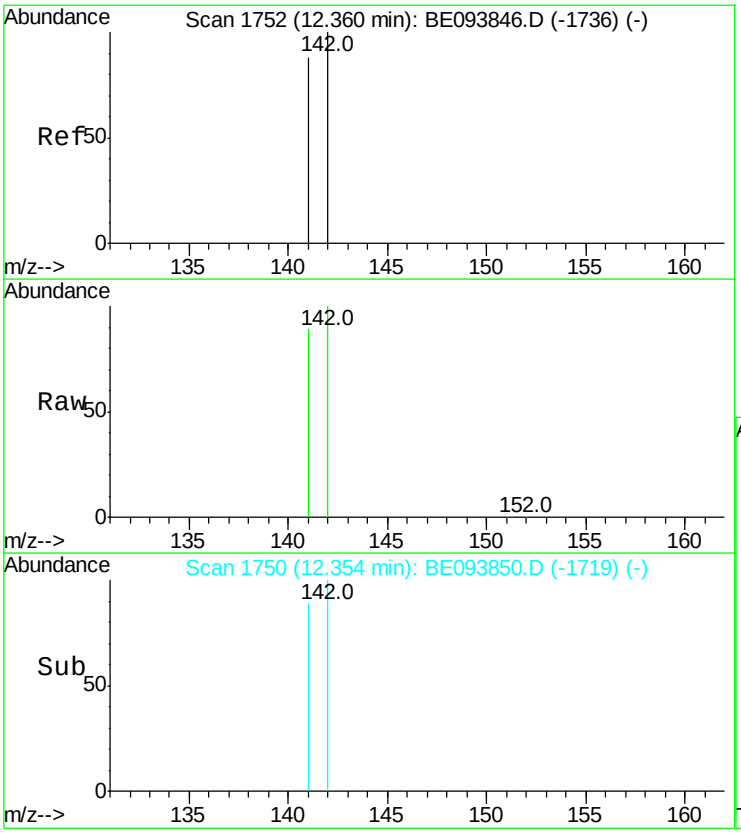

#3
Naphthalene
Concen: 1.739 ng/ul
RT: 10.76 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

**Instrument :**
BNA_E
**ClientSampleId :**
C0AG2

Tgt Ion:128 Resp: 53390

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

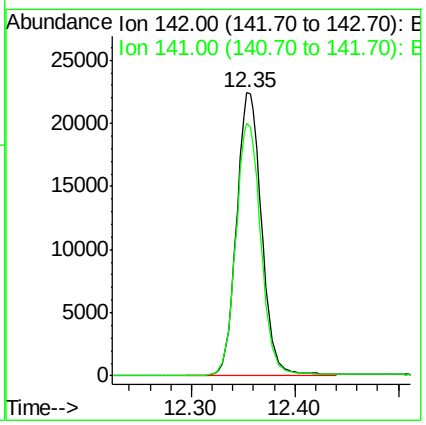


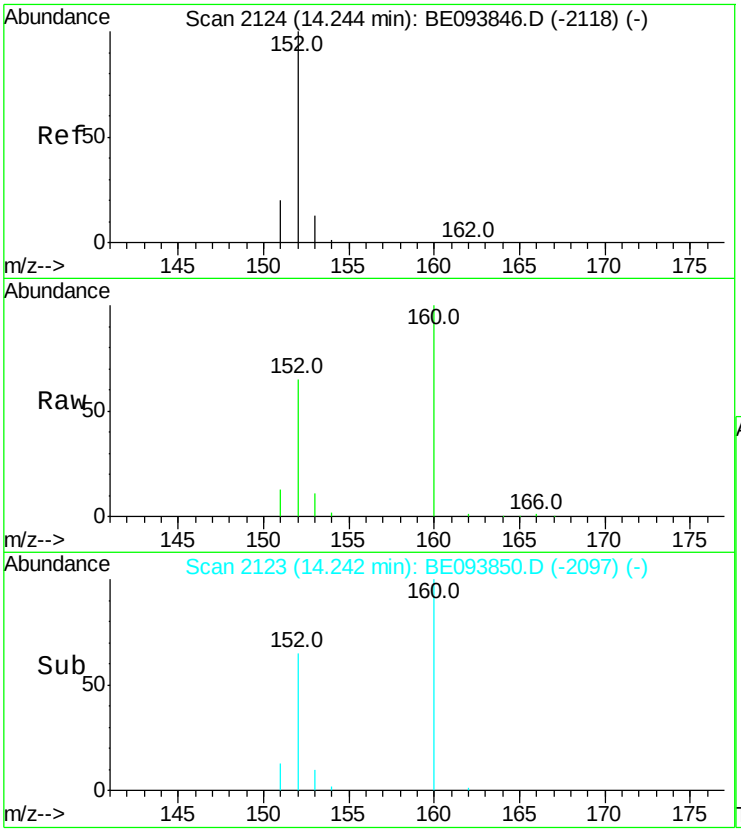




#5
2-Methylnaphthalene
Concen: 1.664 ng/ul
RT: 12.35 min Scan# 1750
Delta R.T. -0.01 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

Tgt Ion:142 Resp: 37256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.4 | 72.6 | 108.8 |



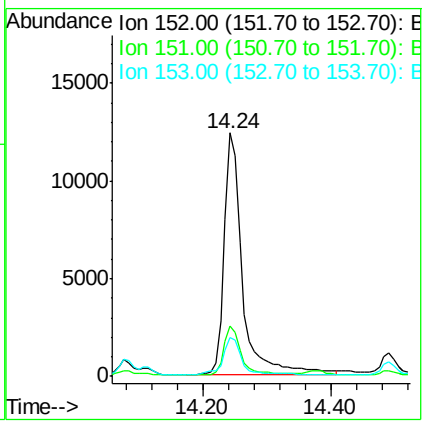


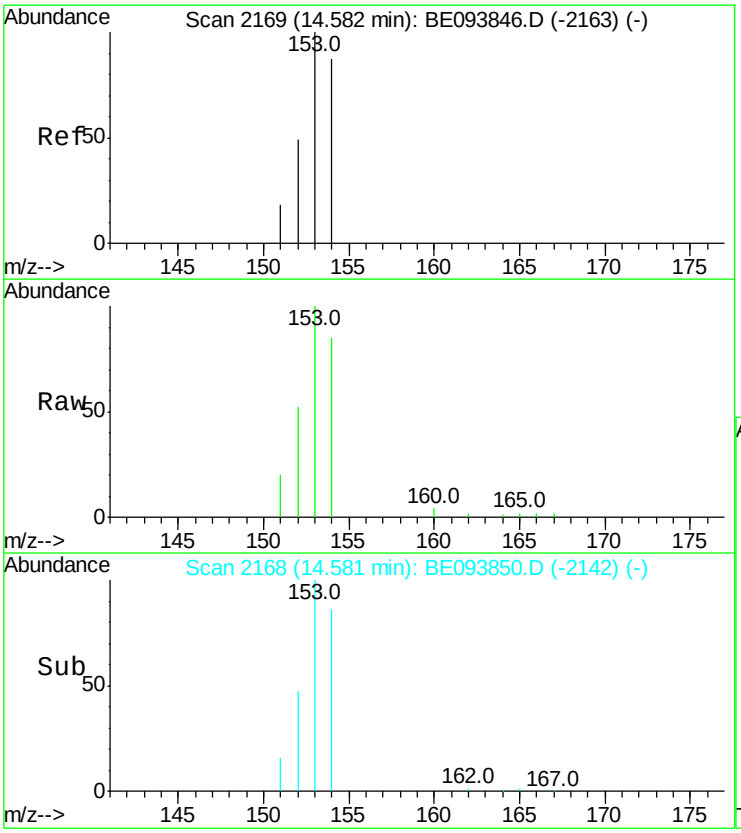

#7
Acenaphthylene
Concen: 0.750 ng/ul
RT: 14.24 min Scan# 2123
Delta R.T. -0.00 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

**Instrument :**
BNA_E
**ClientSampleId :**
C0AG2

Tgt Ion:152 Resp: 24753

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.6 | 17.1 | 25.7 |
| 153 | 16.2 | 12.8 | 19.2 |

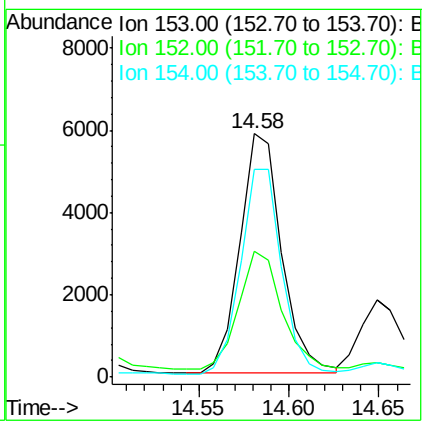


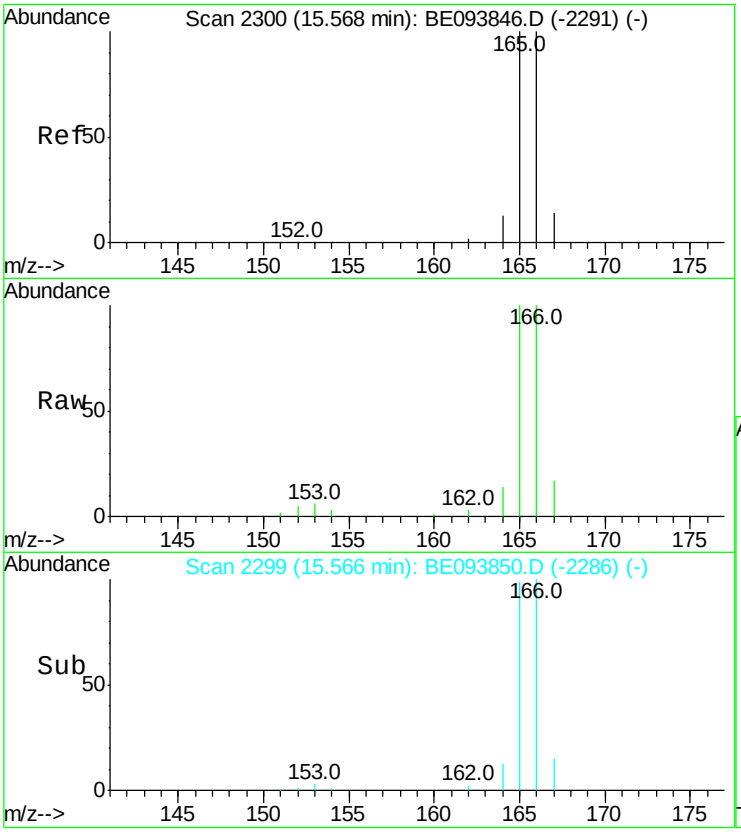




#8
Acenaphthene
Concen: 0.364 ng/ul
RT: 14.58 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

Tgt Ion:153 Resp: 9463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 51.8 | 40.3 | 60.5 |
| 154 | 85.2 | 71.4 | 107.2 |



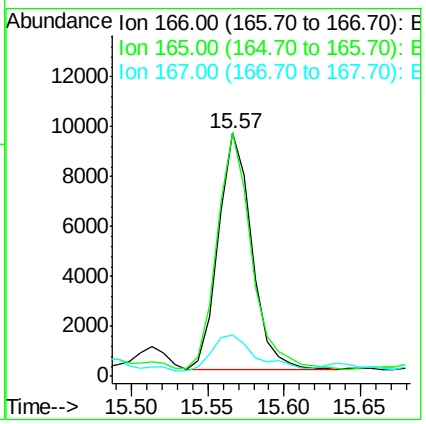


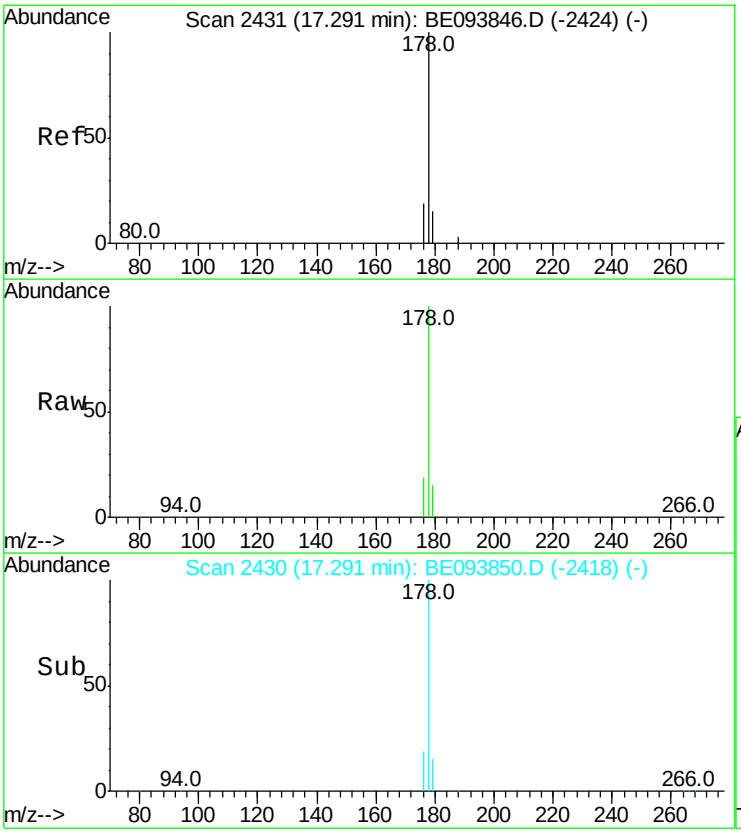

#9
Fluorene
Concen: 0.435 ng/ul
RT: 15.57 min Scan# 2299
Delta R.T. -0.00 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

**Instrument :**
BNA_E
**ClientSampleId :**
C0AG2

Tgt Ion:166 Resp: 14282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.9 | 73.4 | 110.2 |
| 167 | 16.9 | 14.6 | 22.0 |

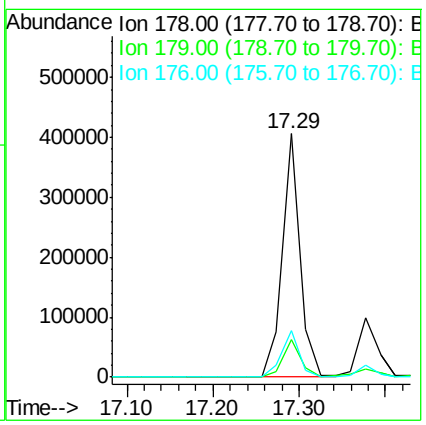


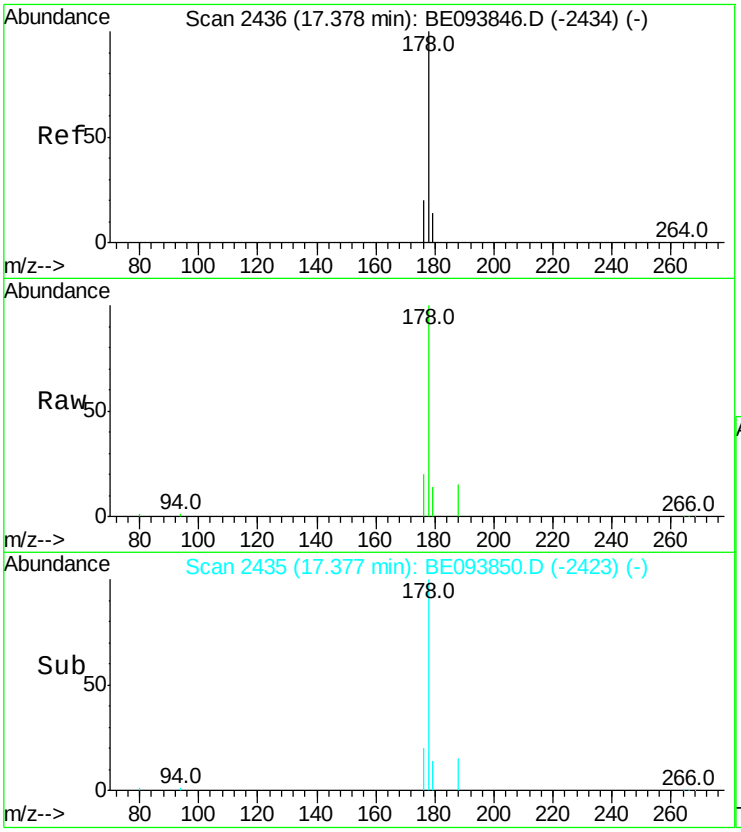




#12
Phenanthrene
Concen: 12.686 ng/ul
RT: 17.29 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

Tgt Ion:178 Resp: 588167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.2 | 18.4 | 27.6# |
| 176 | 19.1 | 13.6 | 20.4 |



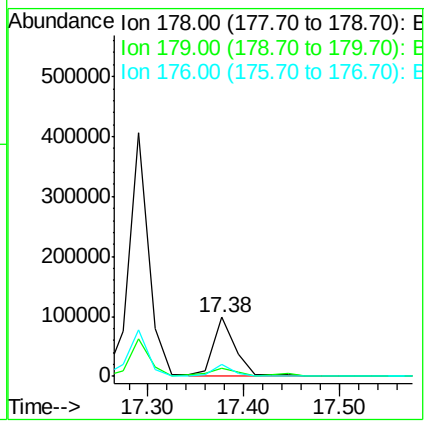


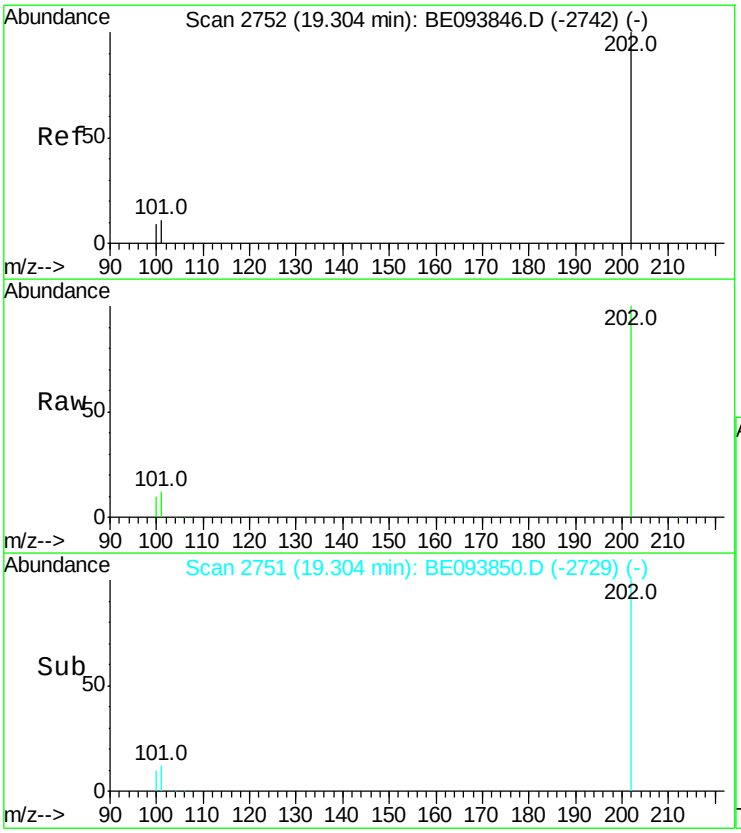

#13
Anthracene
Concen: 3.462 ng/ul
RT: 17.38 min Scan# 2435
Delta R.T. -0.00 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

**Instrument :**
BNA_E
**ClientSampleId :**
C0AG2

Tgt Ion:178 Resp: 156321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 14.3 | 18.1 | 27.1# |
| 176 | 19.9 | 14.7 | 22.1 |

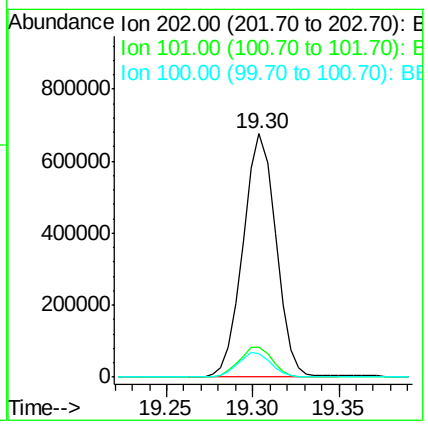


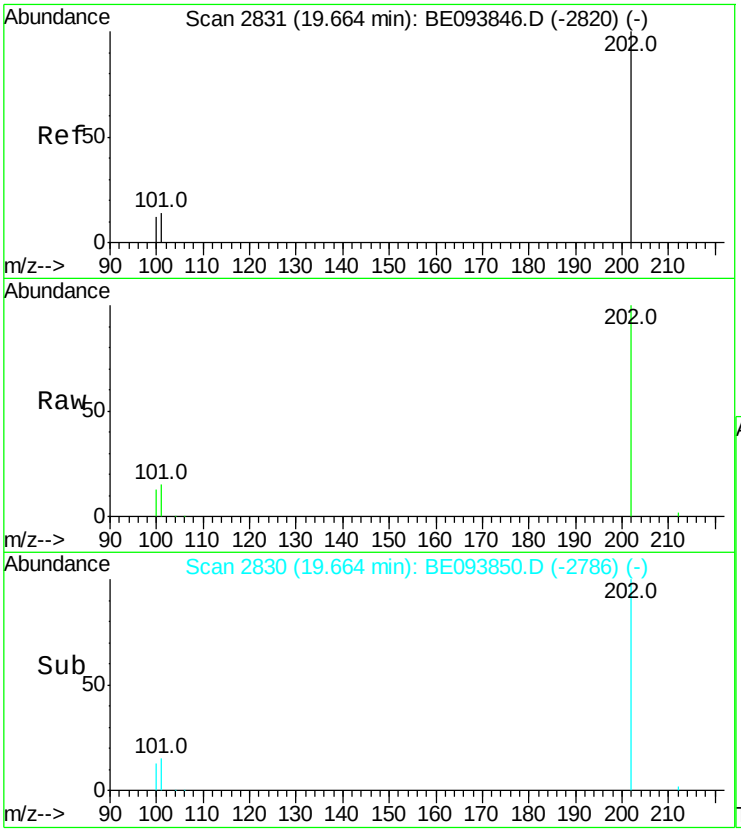




#15
Fluoranthene
Concen: 15.451 ng/ul
RT: 19.30 min Scan# 2751
Delta R.T. 0.00 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

Tgt Ion:202 Resp: 895871

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.3 | 0.0 | 30.3 |
| 100 | 9.7 | 0.0 | 39.5 |



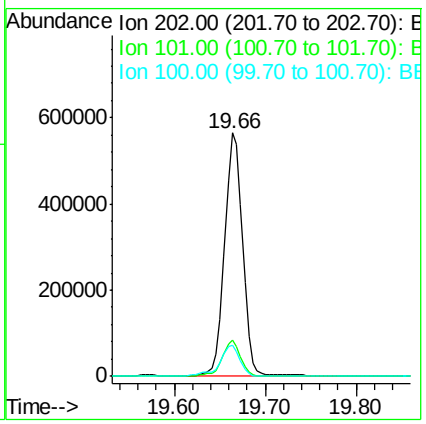


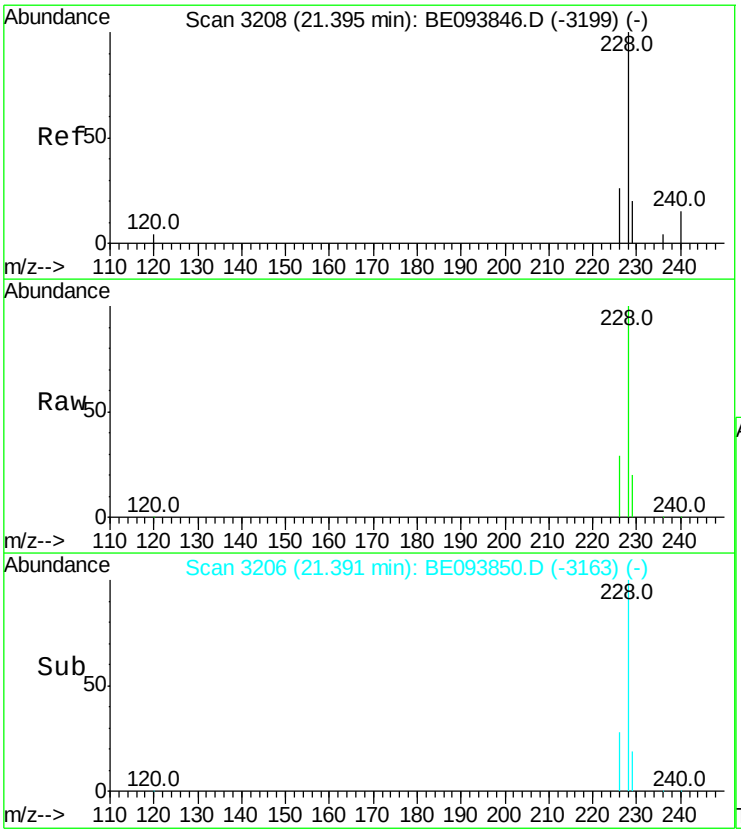

#17
Pyrene
Concen: 14.804 ng/ul
RT: 19.66 min Scan# 2830
Delta R.T. 0.00 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

**Instrument :**
BNA_E
**ClientSampleId :**
C0AG2

Tgt Ion:202 Resp: 774202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.7 | 18.2 | 27.4# |
| 100 | 12.8 | 15.6 | 23.4# |

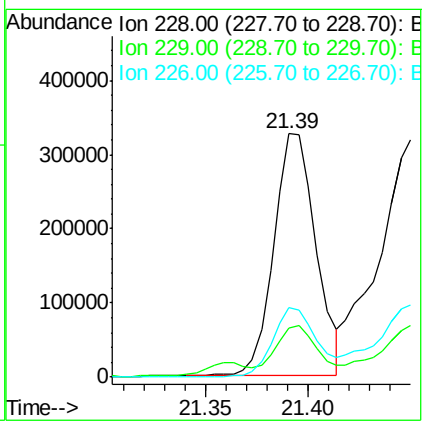


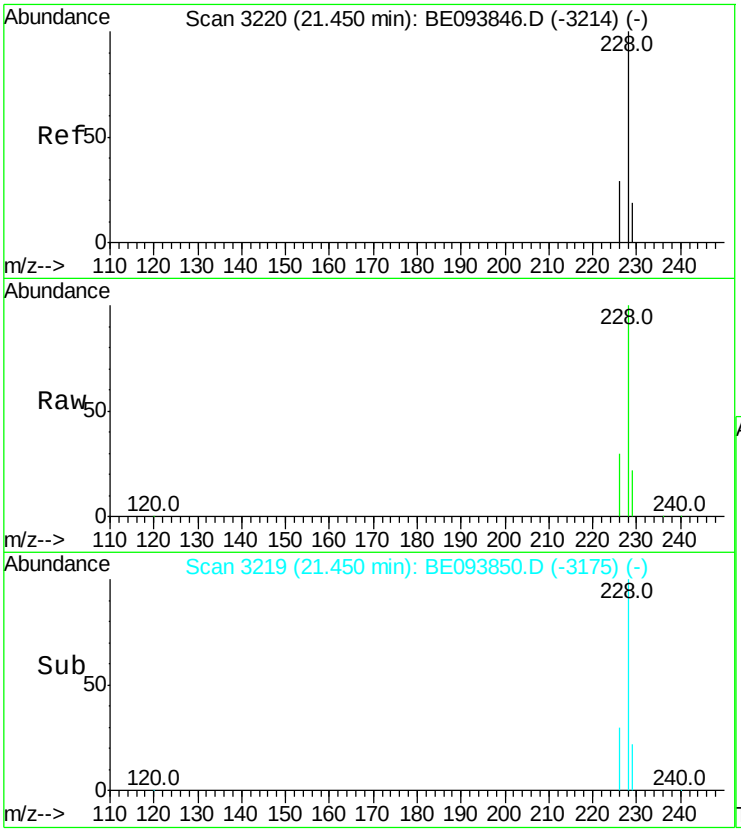




#18
Benzo(a)anthracene
Concen: 8.964 ng/ul
RT: 21.39 min Scan# 3206
Delta R.T. -0.00 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

Tgt Ion:228 Resp: 465607

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.0 | 22.8 | 34.2# |
| 226 | 28.7 | 17.0 | 25.6# |



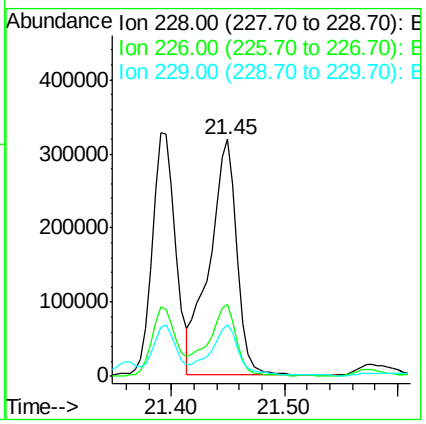


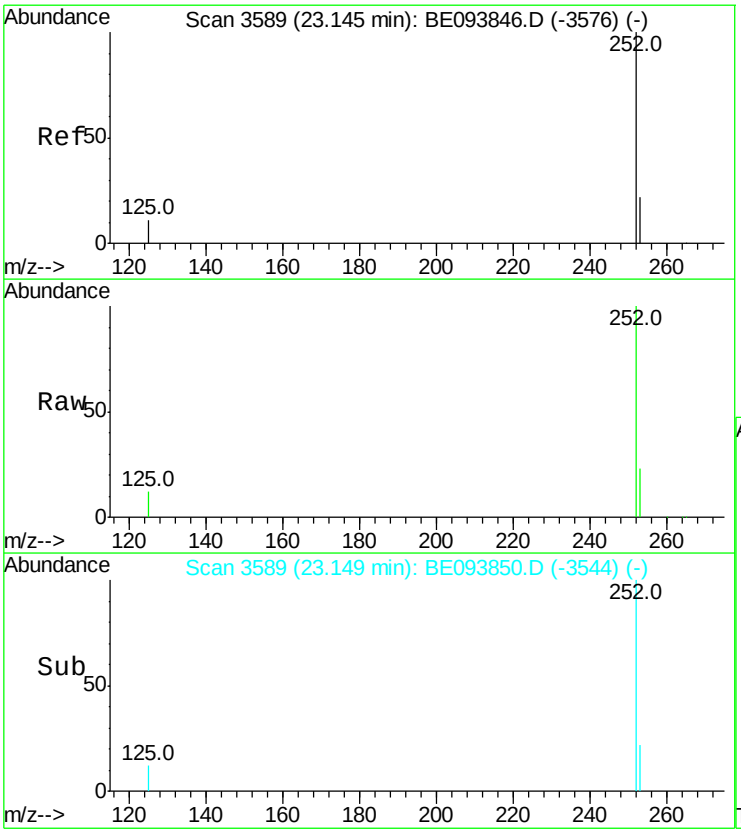

#19
Chrysene
Concen: 10.777 ng/ul
RT: 21.45 min Scan# 3219
Delta R.T. -0.00 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

**Instrument :**
BNA_E
**ClientSampleId :**
C0AG2

Tgt Ion:228 Resp: 536920

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 23.4 | 35.0 |
| 229 | 21.8 | 17.7 | 26.5 |

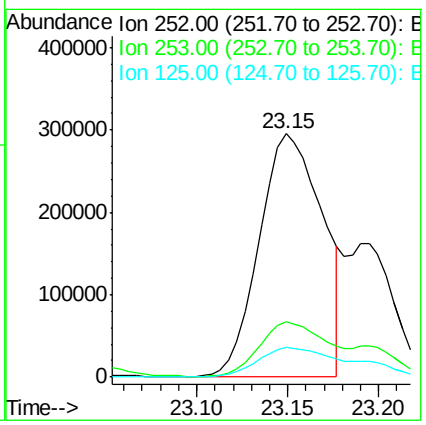


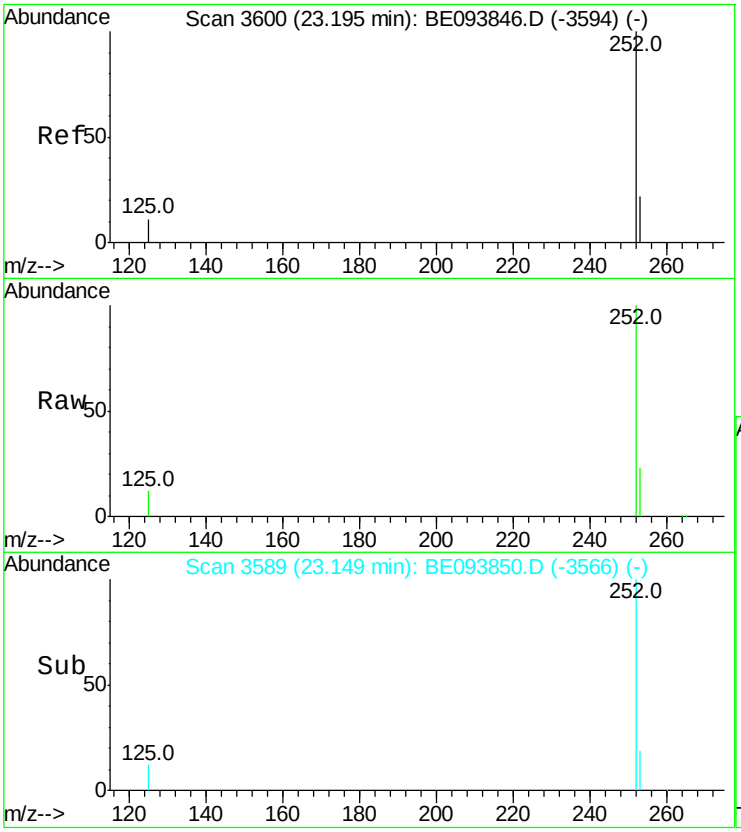




#21
Benzo(b)fluoranthene
Concen: 0.336 ng/ul
RT: 23.15 min Scan# 3589
Delta R.T. 0.00 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

Tgt Ion:252 Resp: 710511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 0.0 | 64.2 |
| 125 | 12.0 | 0.0 | 35.0 |



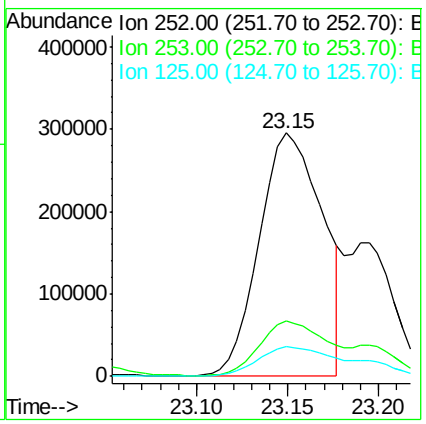


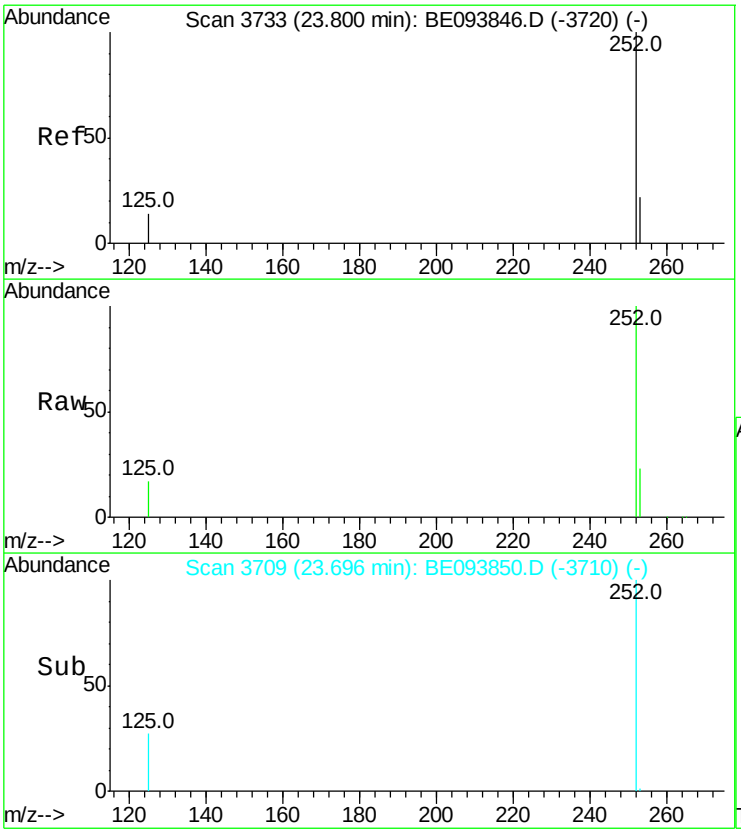

#22
Benzo(k)fluoranthene
Concen: 0.341 ng/ul
RT: 23.15 min Scan# 3589
Delta R.T. -0.05 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

**Instrument :**
BNA_E
**ClientSampleId :**
C0AG2

Tgt Ion:252 Resp: 710511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 24.5 | 36.7# |
| 125 | 12.0 | 13.7 | 20.5# |

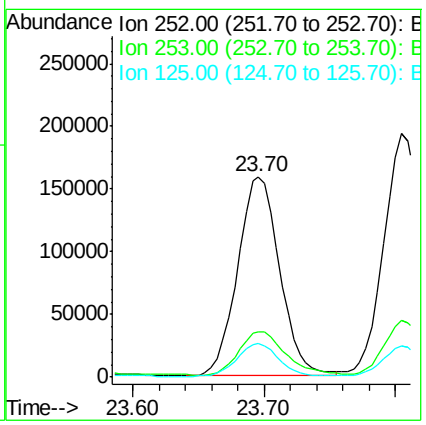


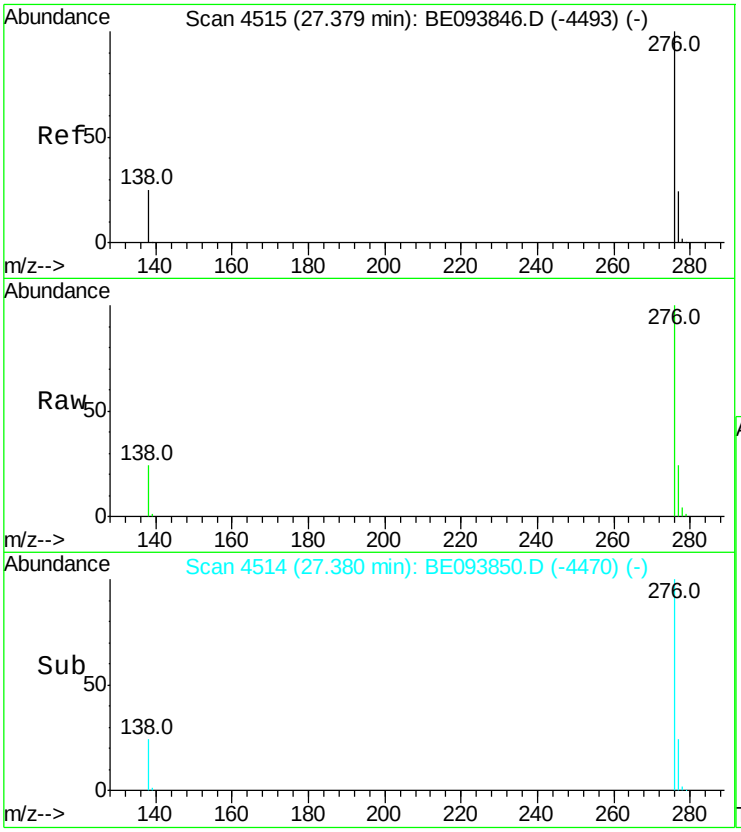




#23
Benzo(a)pyrene
Concen: 0.176 ng/ul
RT: 23.70 min Scan# 3709
Delta R.T. -0.10 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

Tgt Ion:252 Resp: 353513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 28.5 | 42.7# |
| 125 | 16.6 | 18.1 | 27.1# |






#26
Benzo(g,h,i)perylene
Concen: 0.075 ng/ul
RT: 27.38 min Scan# 4514
Delta R.T. 0.00 min
Lab File: BE093850.D
Acq: 16 Aug 2017 21:17

**Instrument :**
BNA_E
**ClientSampleId :**
C0AG2

Tgt Ion:276 Resp: 140425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 24.4 | 21.8 | 32.8 |
| 277 | 24.3 | 20.5 | 30.7 |