Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
Data File : BE094400.D
Acq On : 15 Oct 2017 19:23
Operator : SJ/JU
Sample : I5548-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

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

Quant Time: Oct 16 07:53:30 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 07:45:00 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.91 | 152 | 1740 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.70 | 136 | 9669 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.52 | 164 | 6112 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.26 | 188 | 12798 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.43 | 240 | 11969 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.81 | 264 | 539953 | 0.40 | ng/ul | -0.14 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.28 | 152 | 3230 | 0.22 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.29 | 212 | 7588 | 0.18 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.74 | 128 | 6430 | 0.272 | ng/ul# | 95 |
| 5) 2-Methylnaphthalene | 12.35 | 142 | 6720 | 0.437 | ng/ul | 98 |
| 7) Acenaphthylene | 14.25 | 152 | 10890 | 0.457 | ng/ul | 99 |
| 8) Acenaphthene | 14.58 | 153 | 6776 | 0.345 | ng/ul | 97 |
| 9) Fluorene | 15.57 | 166 | 8681 | 0.378 | ng/ul | 94 |
| 11) Pentachlorophenol | 16.95 | 266 | 154 | 0.103 | ng/ul# | 72 |
| 12) Phenanthrene | 17.40 | 178 | 47366 | 1.416 | ng/ul | 95 |
| 13) Anthracene | 17.40 | 178 | 50707 | 1.559 | ng/ul | 94 |
| 15) Fluoranthene | 19.31 | 202 | 486333 | 11.067 | ng/ul | 84 |
| 17) Pyrene | 19.68 | 202 | 458500 | 13.768 | ng/ul# | 82 |
| 18) Benzo(a)anthracene | 21.41 | 228 | 278163 | 8.760 | ng/ul# | 87 |
| 19) Chrysene | 21.46 | 228 | 264218 | 7.206 | ng/ul | 97 |
| 21) Benzo(b)fluoranthene | 23.19 | 252 | 343196 | 0.234 | ng/ul | 89 |
| 22) Benzo(k)fluoranthene | 23.19 | 252 | 343196 | 0.202 | ng/ul# | 91 |
| 23) Benzo(a)pyrene | 23.74 | 252 | 183165 | 0.120 | ng/ul# | 88 |

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101417\
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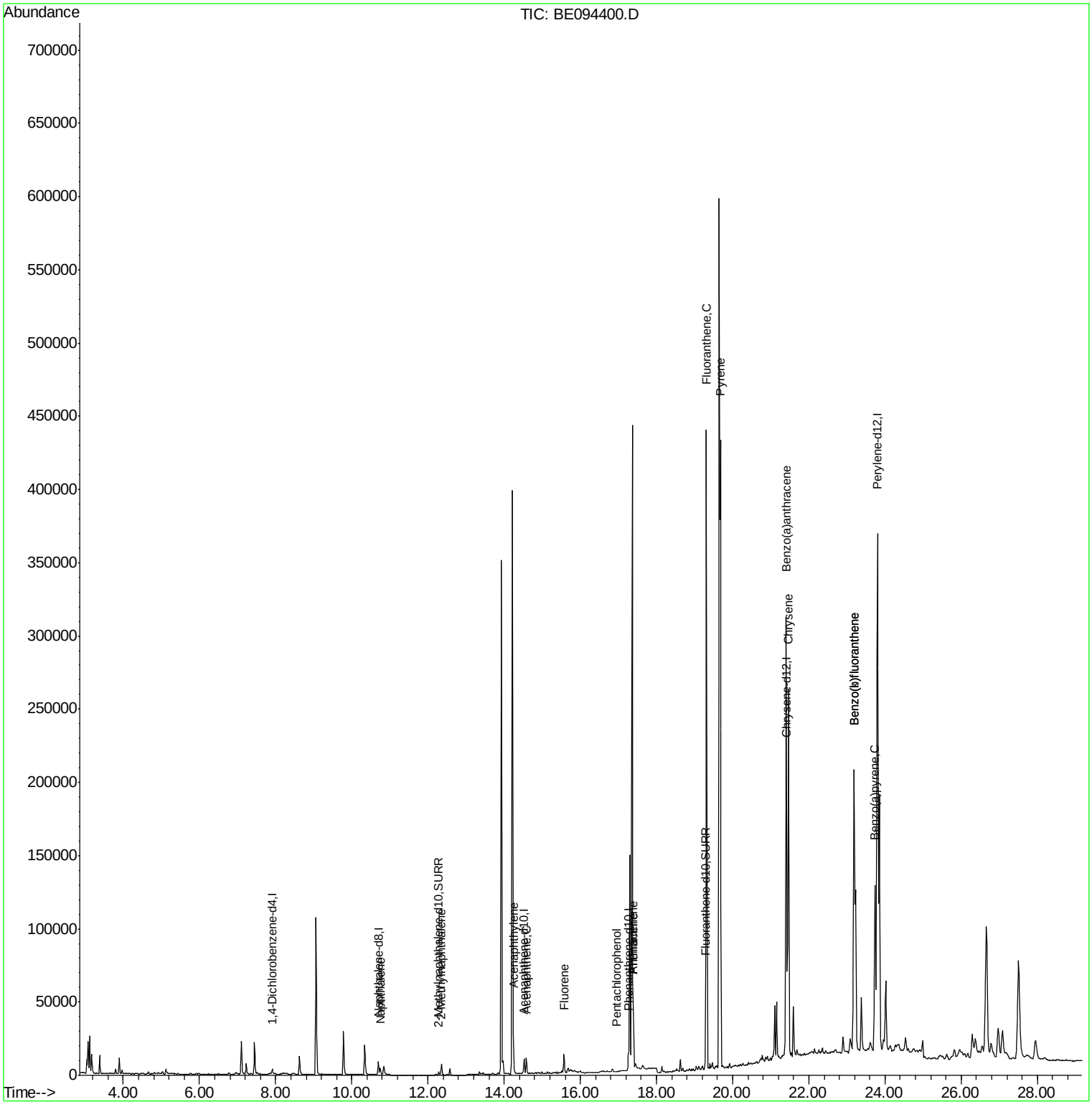
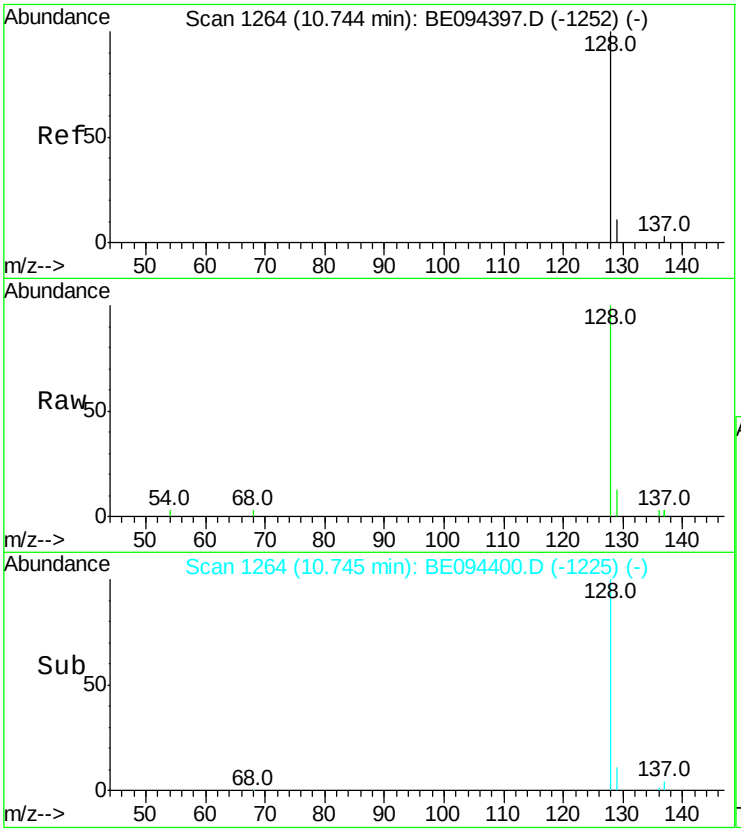
Acq On : 15 Oct 2017 19:23
Operator : SJ/JU
Sample : I5548-22
Misc :
ALS Vial : 46 Sample Multiplier: 1

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

Quant Time: Oct 16 07:53:30 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 07:45:00 2017
Response via : Initial Calibration



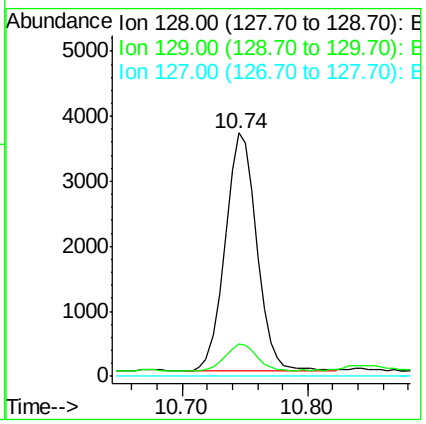


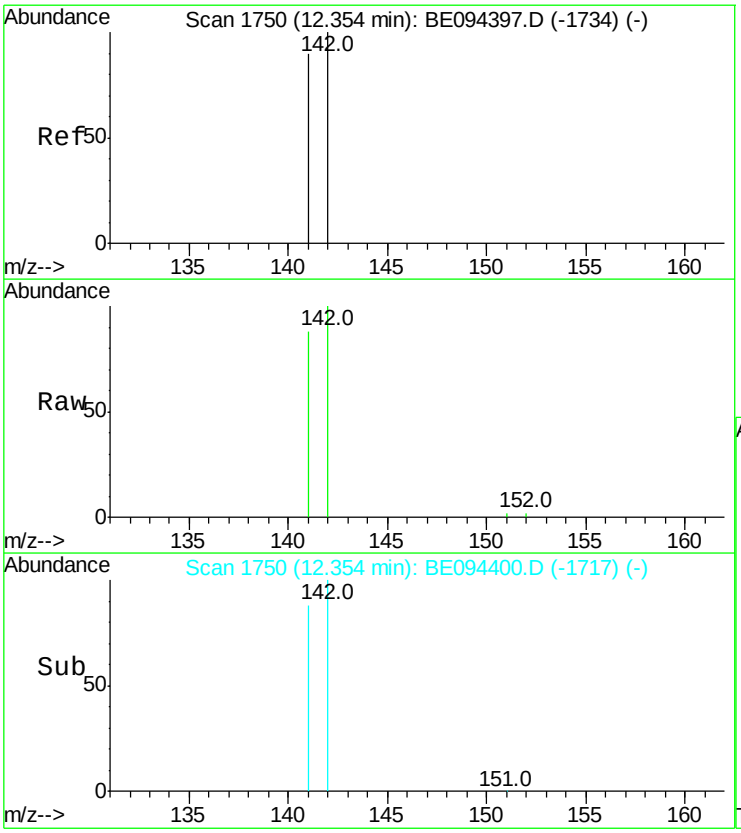

#3
Naphthalene
Concen: 0.272 ng/ul
RT: 10.74 min Scan# 1264
Delta R.T. 0.00 min
Lab File: BE094400.D
Acq: 15 Oct 2017 19:23

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

Tgt Ion:128 Resp: 6430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 13.3 | 11.3 | 16.9 |
| 127 | 0.0 | 4.0 | 6.0# |

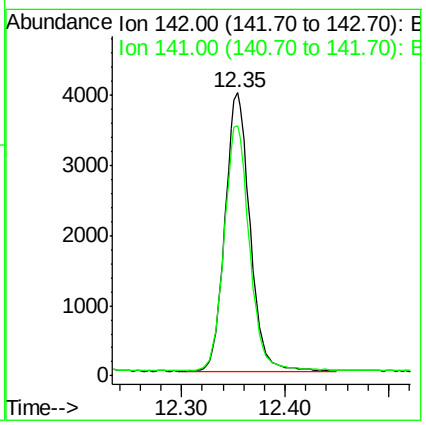


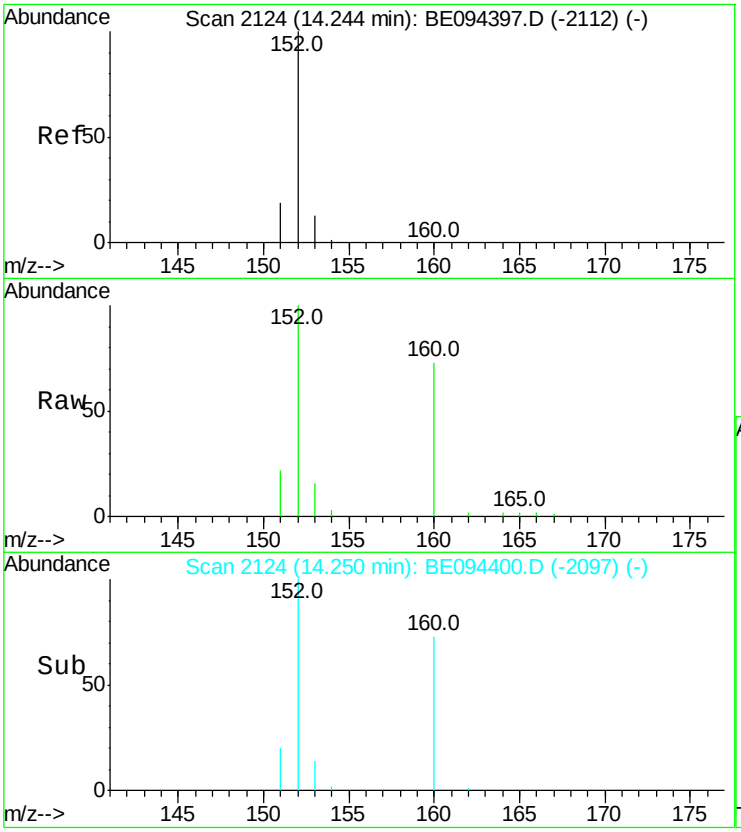




#5
2-Methylnaphthalene
Concen: 0.437 ng/ul
RT: 12.35 min Scan# 1750
Delta R.T. 0.00 min
Lab File: BE094400.D
Acq: 15 Oct 2017 19:23

Tgt Ion:142 Resp: 6720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.0 | 72.6 | 108.8 |



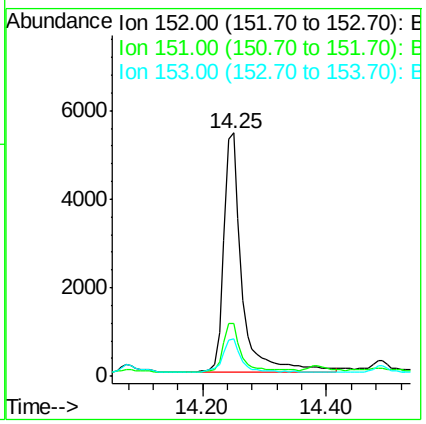


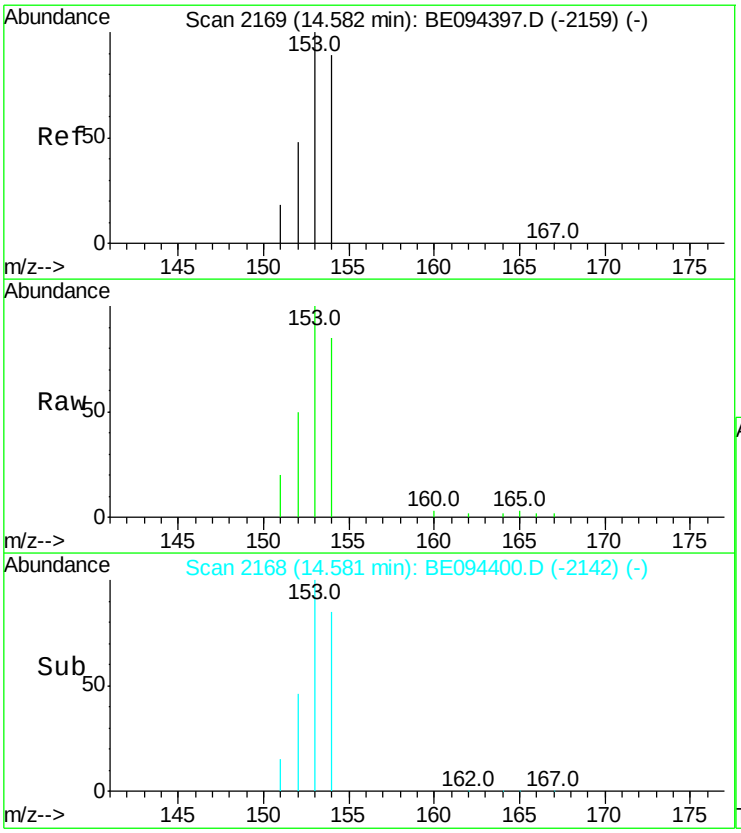

#7
Acenaphthylene
Concen: 0.457 ng/ul
RT: 14.25 min Scan# 2124
Delta R.T. 0.01 min
Lab File: BE094400.D
Acq: 15 Oct 2017 19:23

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

Tgt Ion:152 Resp: 10890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.5 | 17.1 | 25.7 |
| 153 | 15.6 | 12.8 | 19.2 |

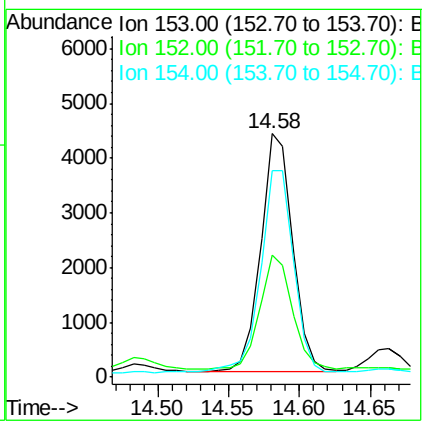


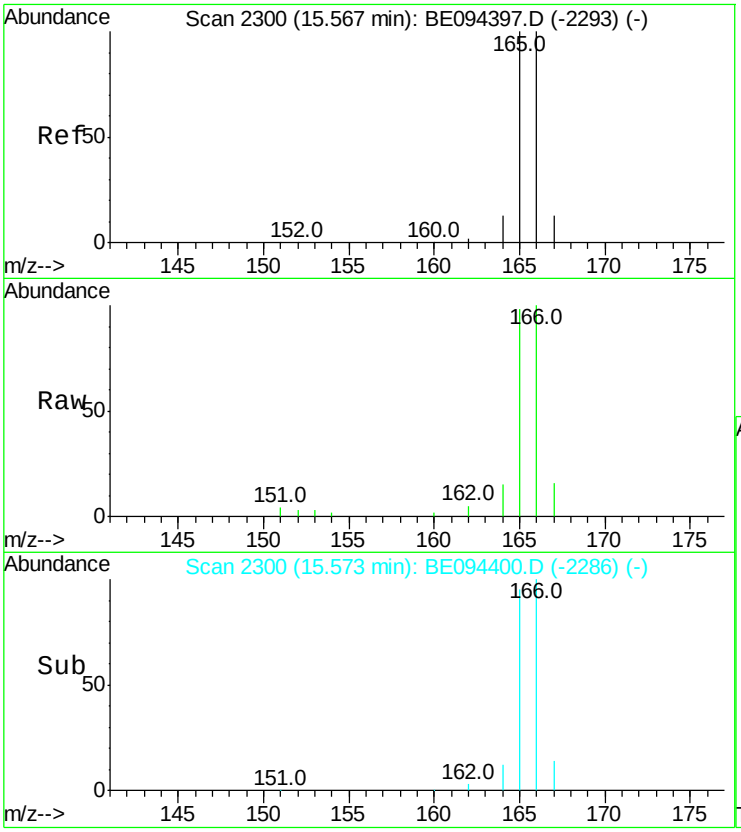




#8
Acenaphthene
Concen: 0.345 ng/ul
RT: 14.58 min Scan# 2168
Delta R.T. -0.00 min
Lab File: BE094400.D
Acq: 15 Oct 2017 19:23

Tgt Ion:153 Resp: 6776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 50.1 | 40.3 | 60.5 |
| 154 | 85.1 | 71.4 | 107.2 |



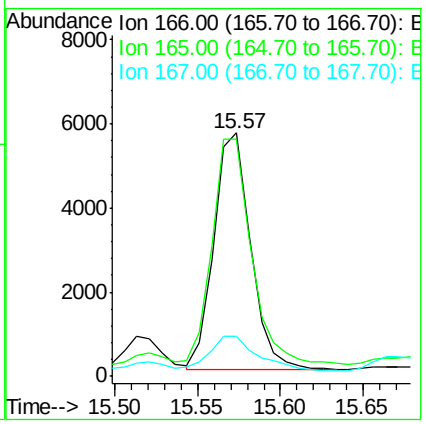


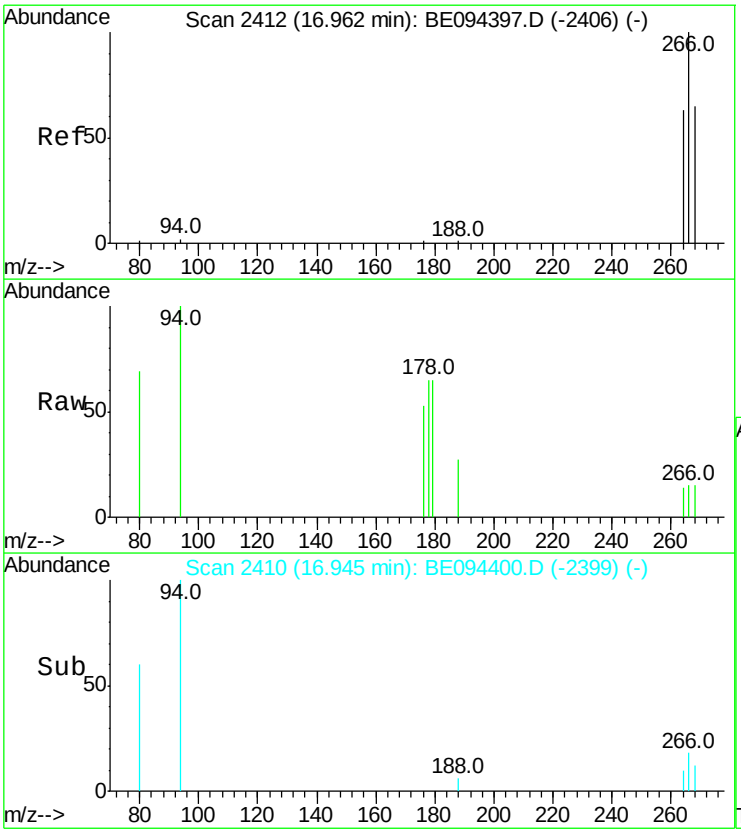

#9
Fluorene
Concen: 0.378 ng/ul
RT: 15.57 min Scan# 2300
Delta R.T. 0.01 min
Lab File: BE094400.D
Acq: 15 Oct 2017 19:23

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

Tgt Ion:166 Resp: 8681

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.5 | 73.4 | 110.2 |
| 167 | 16.2 | 14.6 | 22.0 |

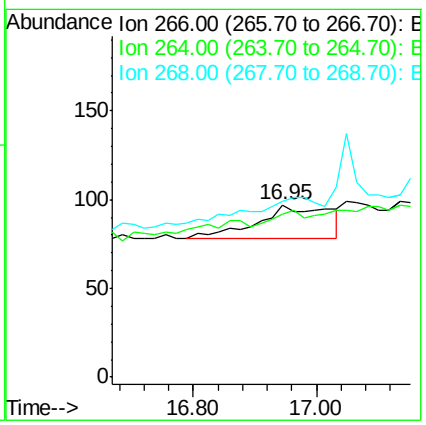


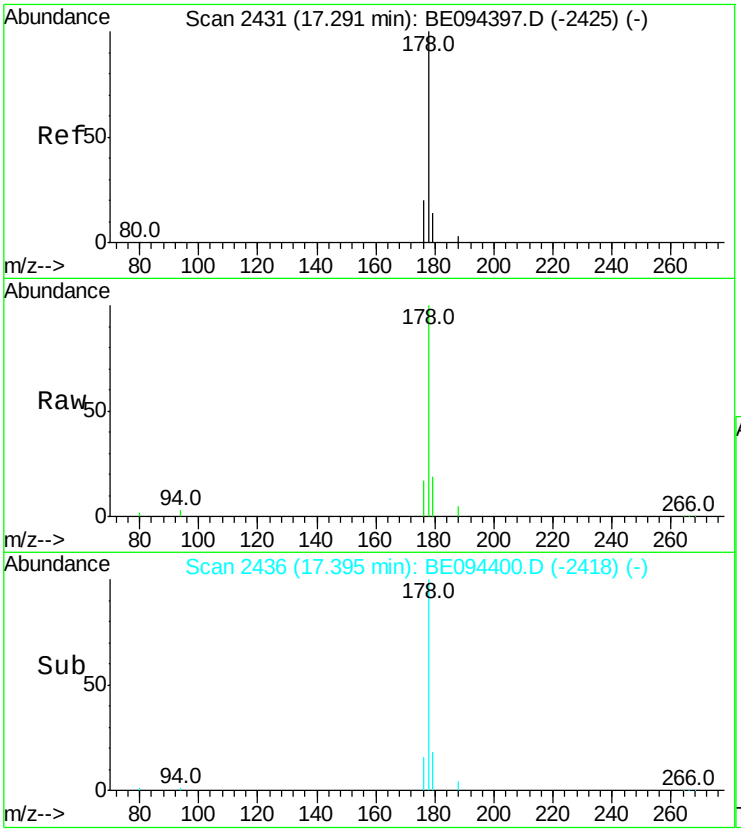




#11
Pentachlorophenol
Concen: 0.103 ng/ul
RT: 16.95 min Scan# 2410
Delta R.T. -0.02 min
Lab File: BE094400.D
Acq: 15 Oct 2017 19:23

Tgt Ion:266 Resp: 154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 22.1 | 47.9 | 71.9# |
| 268 | 67.5 | 49.8 | 74.8 |



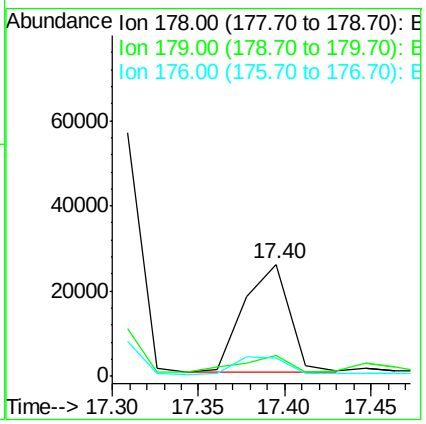


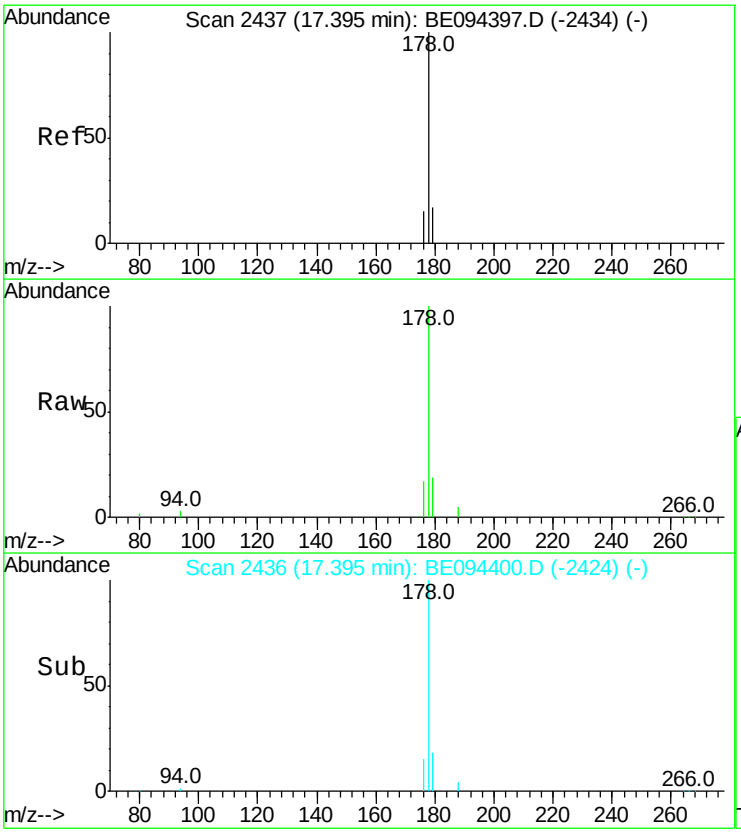

#12
Phenanthrene
Concen: 1.416 ng/ul
RT: 17.40 min Scan# 2436
Delta R.T. 0.10 min
Lab File: BE094400.D
Acq: 15 Oct 2017 19:23

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

Tgt Ion:178 Resp: 47366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 19.1 | 18.4 | 27.6 |
| 176 | 16.7 | 13.6 | 20.4 |

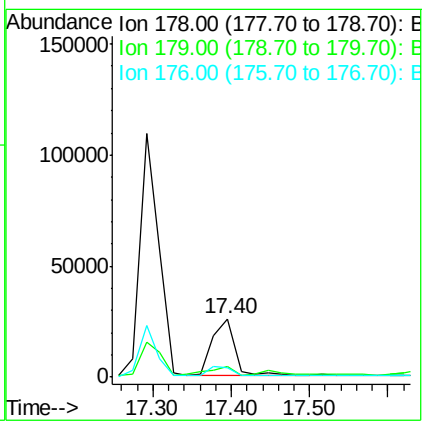


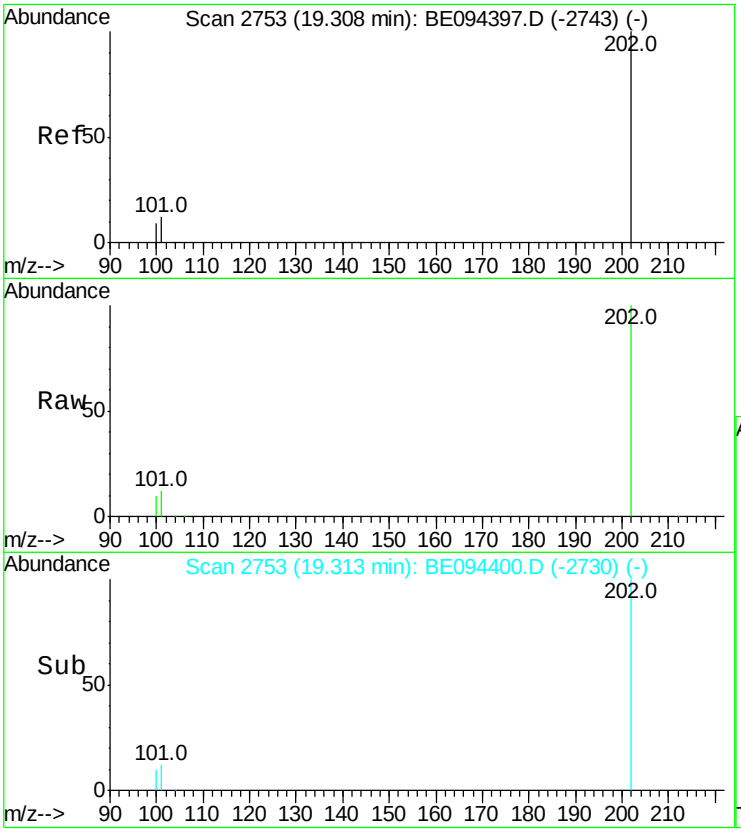




#13
Anthracene
Concen: 1.559 ng/ul
RT: 17.40 min Scan# 2436
Delta R.T. 0.00 min
Lab File: BE094400.D
Acq: 15 Oct 2017 19:23

Tgt Ion:178 Resp: 50707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 19.1 | 18.1 | 27.1 |
| 176 | 16.7 | 14.7 | 22.1 |



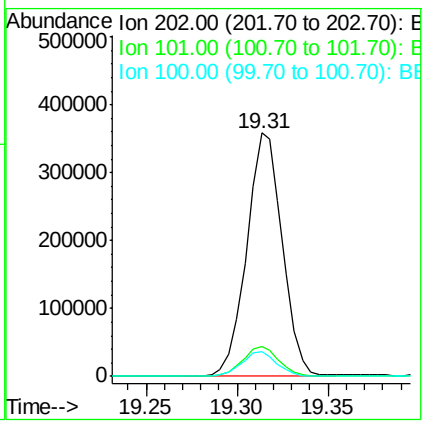


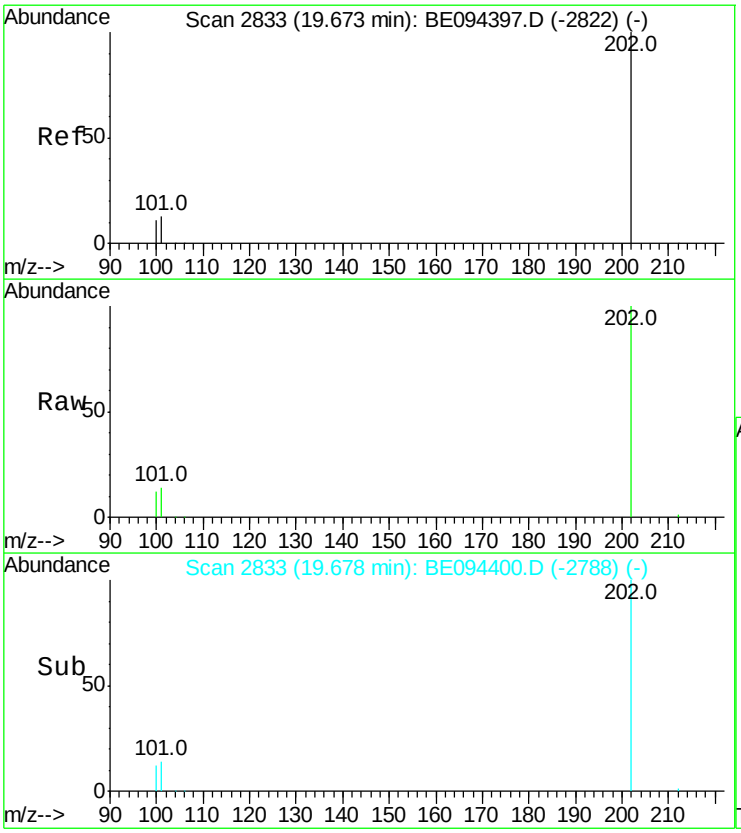

#15
Fluoranthene
Concen: 11.067 ng/ul
RT: 19.31 min Scan# 2753
Delta R.T. 0.01 min
Lab File: BE094400.D
Acq: 15 Oct 2017 19:23

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

Tgt Ion:202 Resp: 486333

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.3 | 0.0 | 30.3 |
| 100 | 10.0 | 0.0 | 39.5 |

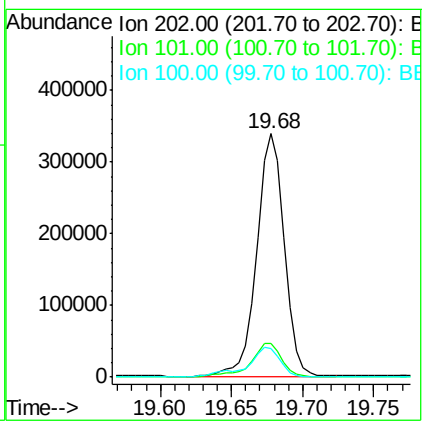


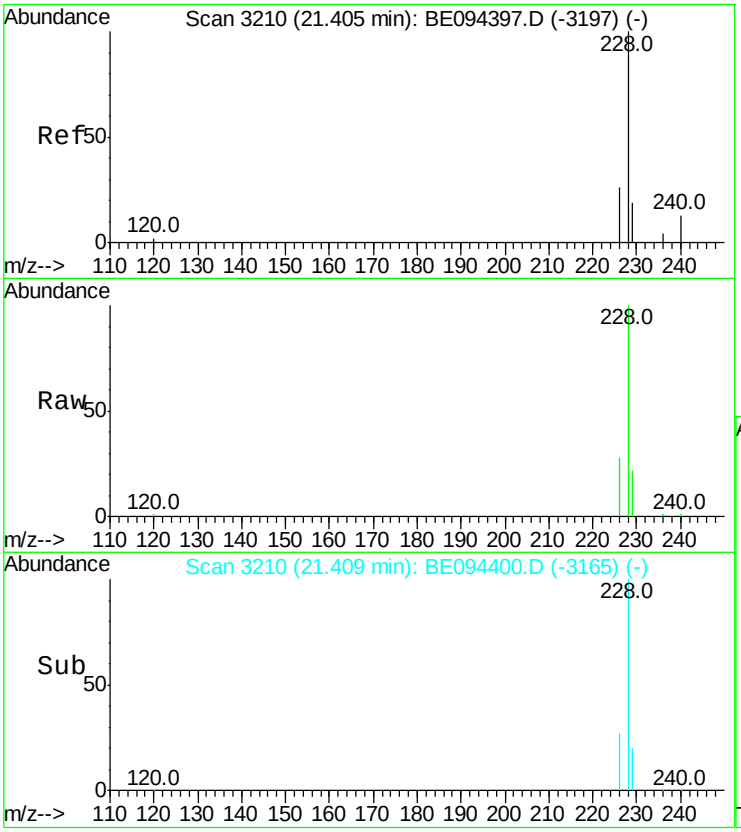




#17
Pyrene
Concen: 13.768 ng/ul
RT: 19.68 min Scan# 2833
Delta R.T. 0.01 min
Lab File: BE094400.D
Acq: 15 Oct 2017 19:23

Tgt Ion:202 Resp: 458500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.8 | 18.2 | 27.4# |
| 100 | 11.9 | 15.6 | 23.4# |



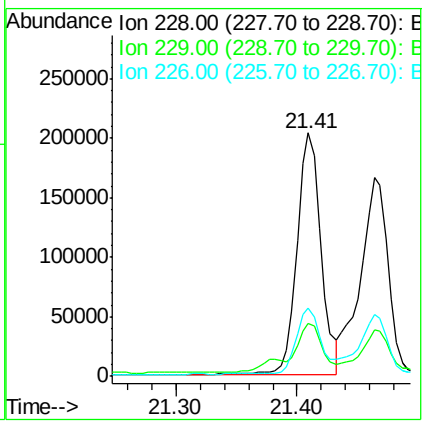


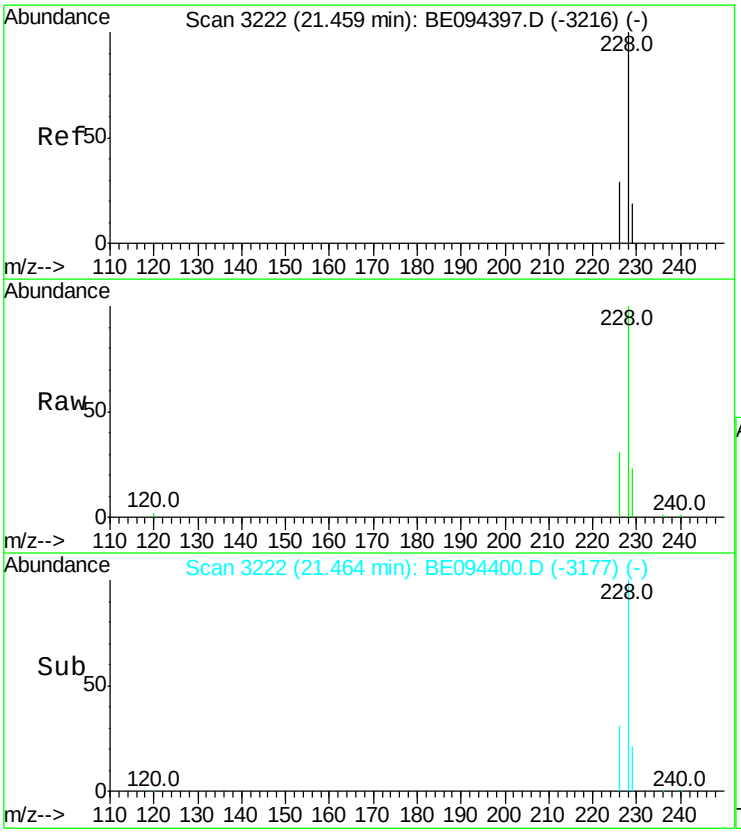

#18
Benzo(a)anthracene
Concen: 8.760 ng/ul
RT: 21.41 min Scan# 3210
Delta R.T. 0.00 min
Lab File: BE094400.D
Acq: 15 Oct 2017 19:23

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

Tgt Ion:228 Resp: 278163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.8 | 22.8 | 34.2# |
| 226 | 27.9 | 17.0 | 25.6# |

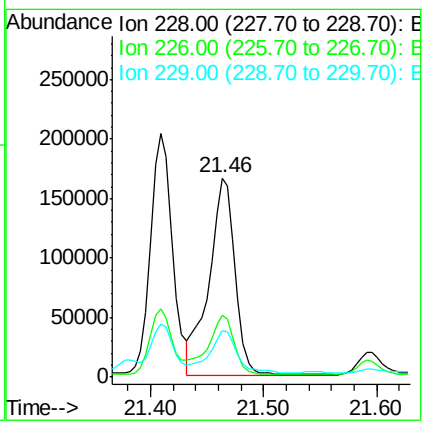


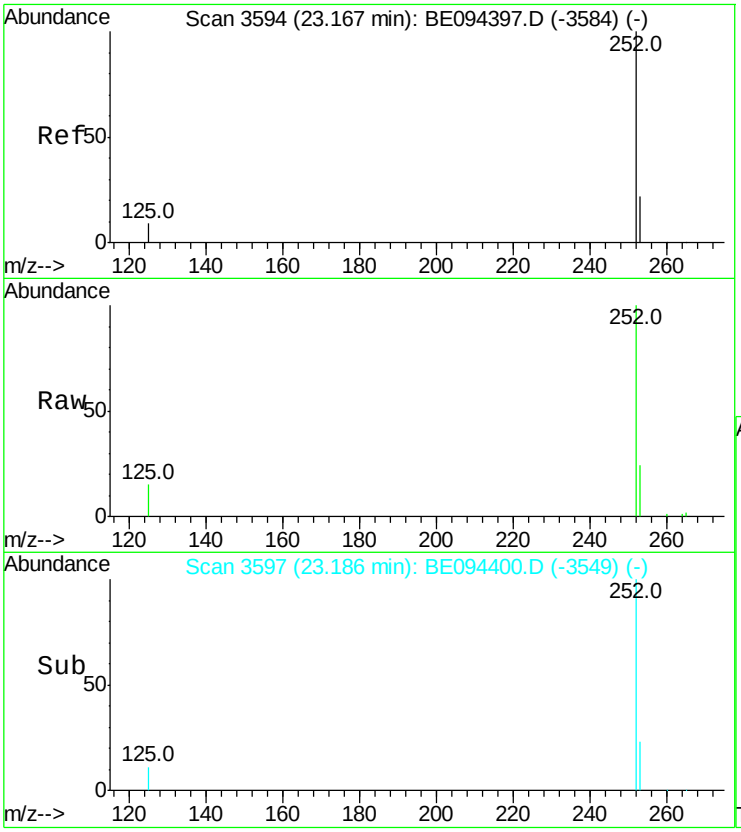




#19
Chrysene
Concen: 7.206 ng/ul
RT: 21.46 min Scan# 3222
Delta R.T. 0.00 min
Lab File: BE094400.D
Acq: 15 Oct 2017 19:23

Tgt Ion:228 Resp: 264218

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.3 | 23.4 | 35.0 |
| 229 | 23.1 | 17.7 | 26.5 |



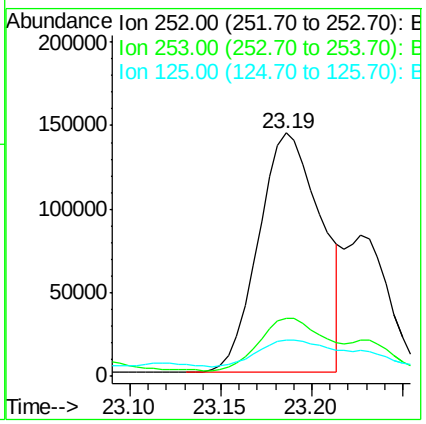


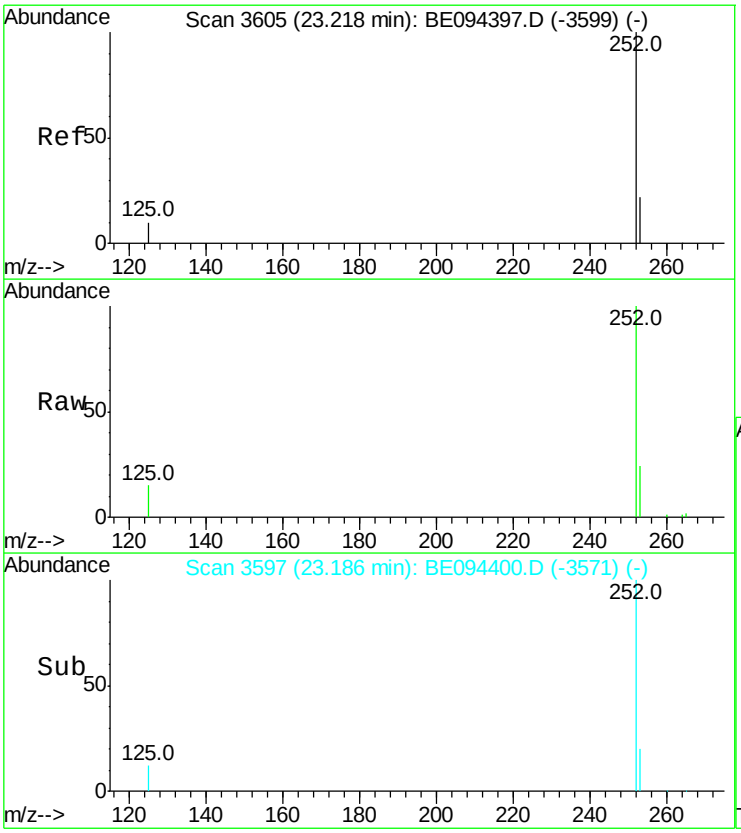

#21
Benzo(b)fluoranthene
Concen: 0.234 ng/ul
RT: 23.19 min Scan# 3597
Delta R.T. 0.02 min
Lab File: BE094400.D
Acq: 15 Oct 2017 19:23

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

Tgt Ion:252 Resp: 343196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.1 | 0.0 | 64.2 |
| 125 | 15.1 | 0.0 | 35.0 |

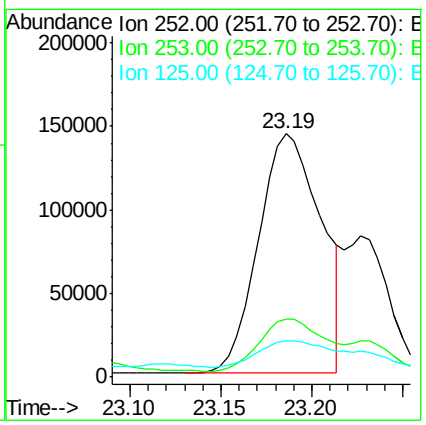


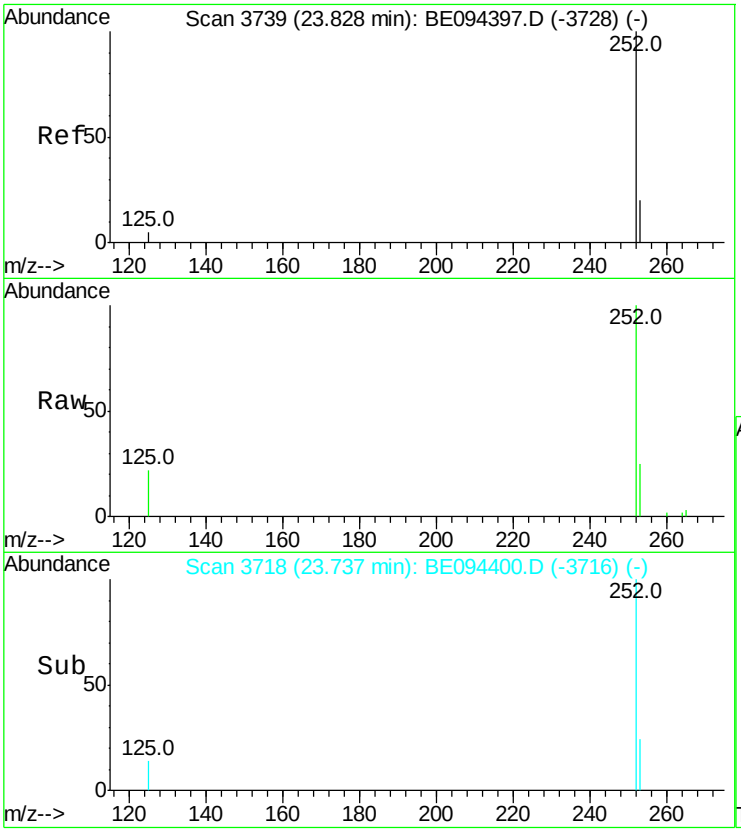




#22
Benzo(k)fluoranthene
Concen: 0.202 ng/ul
RT: 23.19 min Scan# 3597
Delta R.T. -0.03 min
Lab File: BE094400.D
Acq: 15 Oct 2017 19:23

Tgt Ion:252 Resp: 343196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.1 | 24.5 | 36.7# |
| 125 | 15.1 | 13.7 | 20.5 |






#23
Benzo(a)pyrene
Concen: 0.120 ng/ul
RT: 23.74 min Scan# 3718
Delta R.T. -0.09 min
Lab File: BE094400.D
Acq: 15 Oct 2017 19:23

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

Tgt Ion:252 Resp: 183165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.9 | 28.5 | 42.7# |
| 125 | 21.7 | 18.1 | 27.1 |