Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
Data File : BE094303.D
Acq On : 12 Oct 2017 5:42
Operator : SJ/JU
Sample : I5550-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Oct 12 08:59:13 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 08:55:52 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.91 | 152 | 1703 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.71 | 136 | 8319 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.53 | 164 | 5144 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.27 | 188 | 9831 | 0.40 | ng/ul | 0.02 |
| 16) Chrysene-d12 | 21.44 | 240 | 9703 | 0.40 | ng/ul | 0.01 |
| 20) Perylene-d12 | 24.00 | 264 | 14221 | 0.40 | ng/ul | 0.05 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.29 | 152 | 2949 | 0.23 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.29 | 212 | 6700 | 0.20 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.75 | 128 | 62885 | 3.086 | ng/ul# | 91 |
| 5) 2-Methylnaphthalene | 12.36 | 142 | 19375 | 1.466 | ng/ul | 97 |
| 7) Acenaphthylene | 14.26 | 152 | 12800 | 0.638 | ng/ul | 96 |
| 8) Acenaphthene | 14.59 | 153 | 53317 | 3.229 | ng/ul | 96 |
| 9) Fluorene | 15.58 | 166 | 49259 | 2.548 | ng/ul | 95 |
| 11) Pentachlorophenol | 16.94 | 266 | 506 | 0.439 | ng/ul# | 82 |
| 12) Phenanthrene | 17.31 | 178 | 681793 | 26.539 | ng/ul# | 91 |
| 13) Anthracene | 17.39 | 178 | 148159 | 5.930 | ng/ul# | 92 |
| 15) Fluoranthene | 19.33 | 202 | 1193156 | 35.346 | ng/ul | 84 |
| 17) Pyrene | 19.69 | 202 | 1057005 | 39.153 | ng/ul# | 82 |
| 18) Benzo(a)anthracene | 21.42 | 228 | 526957 | 20.472 | ng/ul# | 87 |
| 19) Chrysene | 21.48 | 228 | 630634 | 21.215 | ng/ul | 97 |
| 21) Benzo(b)fluoranthene | 23.22 | 252 | 1030315 | 26.670 | ng/ul | 90 |
| 22) Benzo(k)fluoranthene | 23.22 | 252 | 1030315 | 23.074 | ng/ul# | 92 |
| 23) Benzo(a)pyrene | 23.89 | 252 | 476228 | 11.863 | ng/ul# | 87 |
| 24) Indeno(1,2,3-cd)pyrene | 26.73 | 276 | 274413 | 6.682 | ng/ul# | 76 |
| 25) Dibenzo(a,h)anthracene | 26.73 | 278 | 60458 | 1.755 | ng/ul# | 70 |
| 26) Benzo(g,h,i)perylene | 27.59 | 276 | 209671 | 5.919 | ng/ul | 93 |

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE101117\
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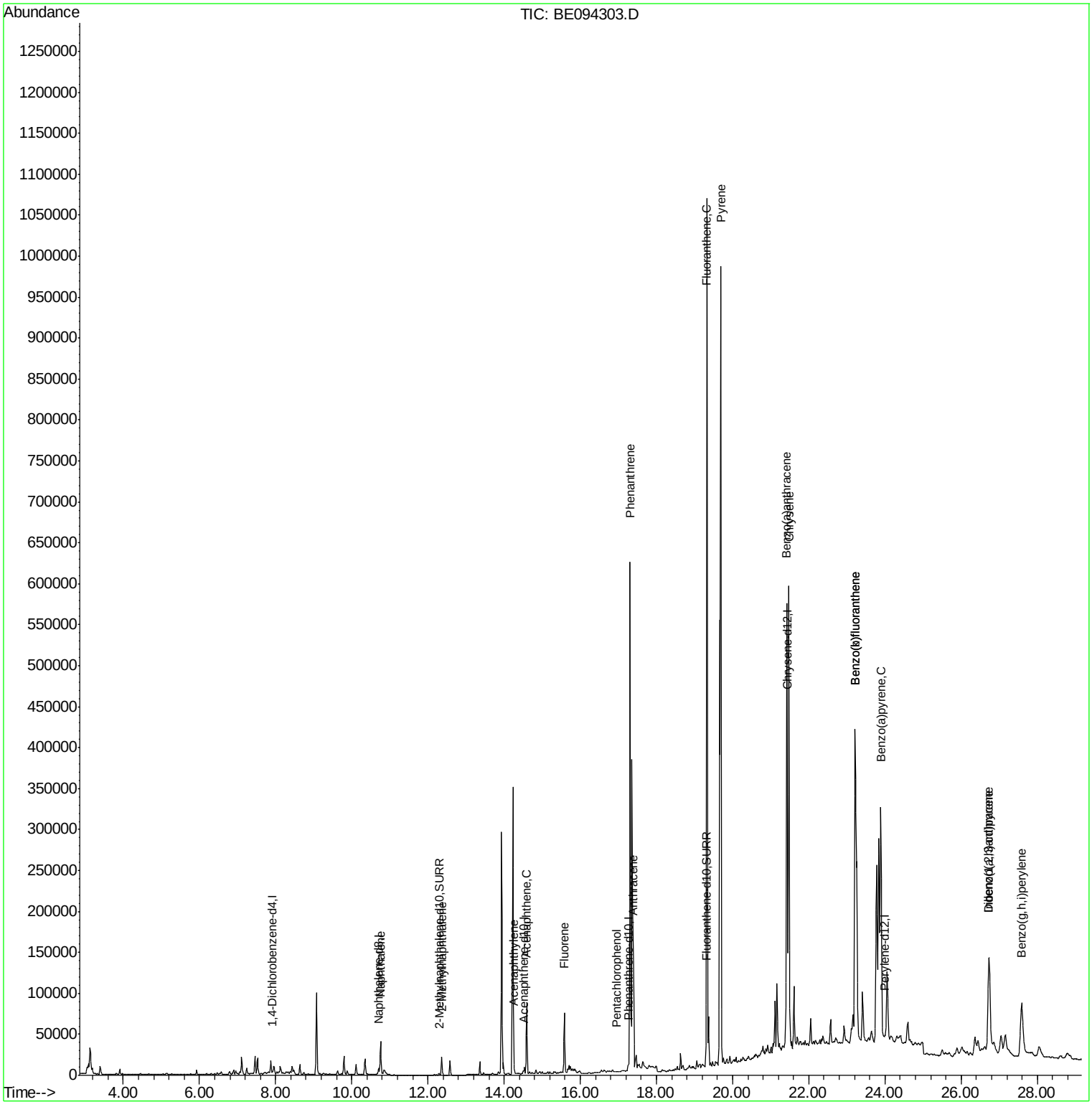
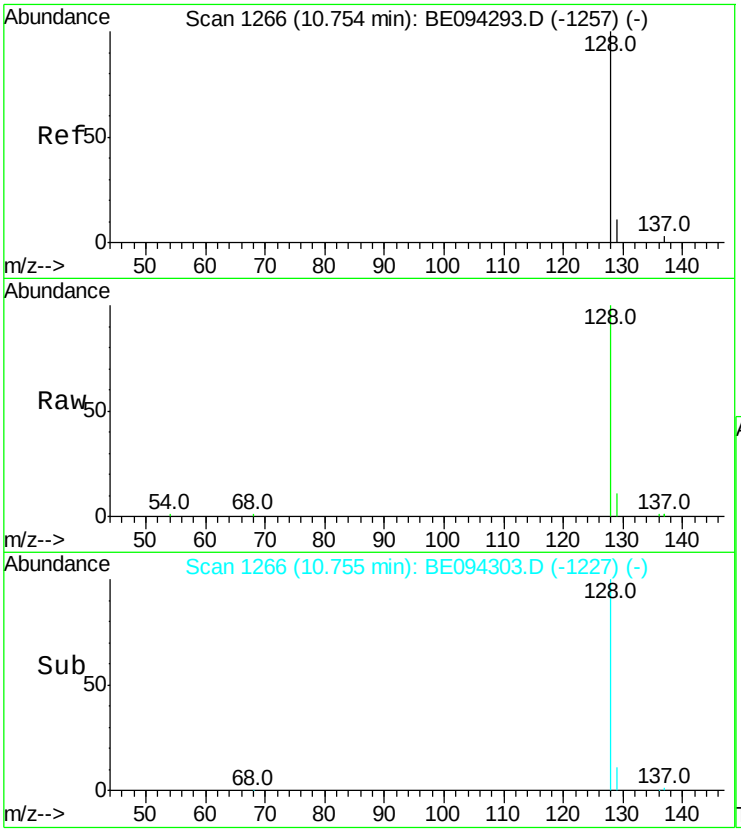
Acq On : 12 Oct 2017 5:42
Operator : SJ/JU
Sample : I5550-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Oct 12 08:59:13 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM-EPA-SIM-BE092017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 12 08:55:52 2017
Response via : Initial Calibration



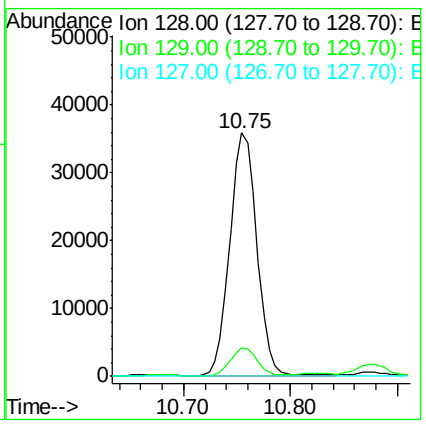


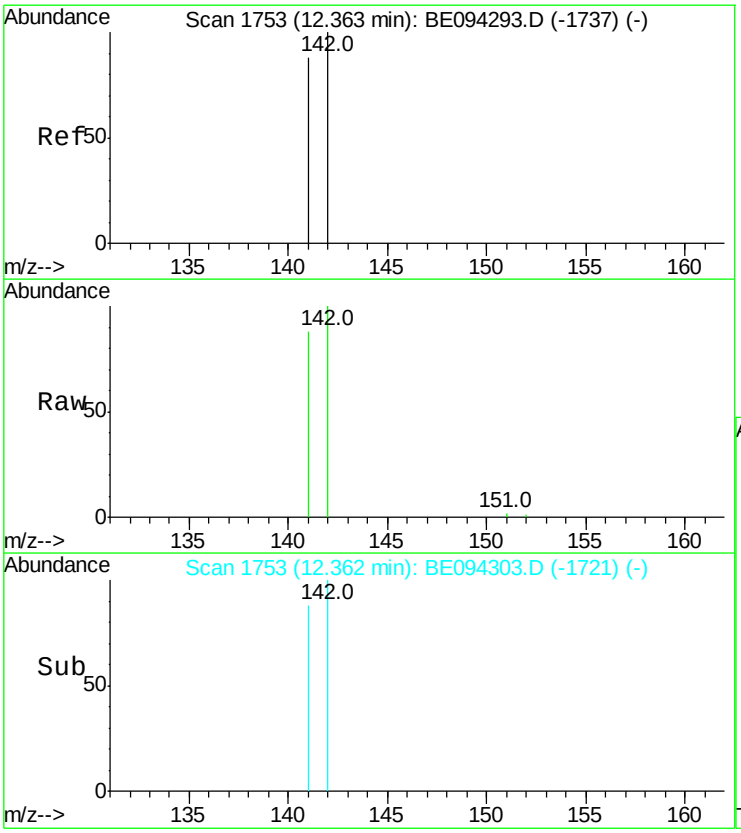

#3
Naphthalene
Concen: 3.086 ng/ul
RT: 10.75 min Scan# 1266
Delta R.T. 0.00 min
Lab File: BE094303.D
Acq: 12 Oct 2017 5:42

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

Tgt Ion:128 Resp: 62885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.5 | 11.3 | 16.9 |
| 127 | 0.0 | 4.0 | 6.0# |

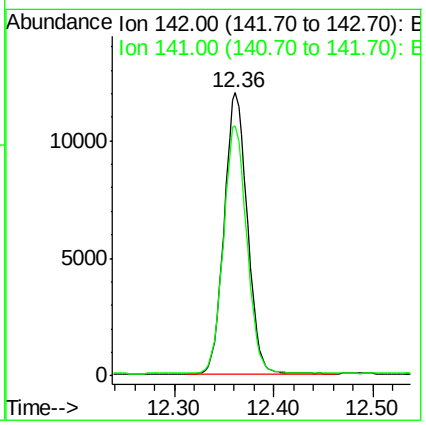


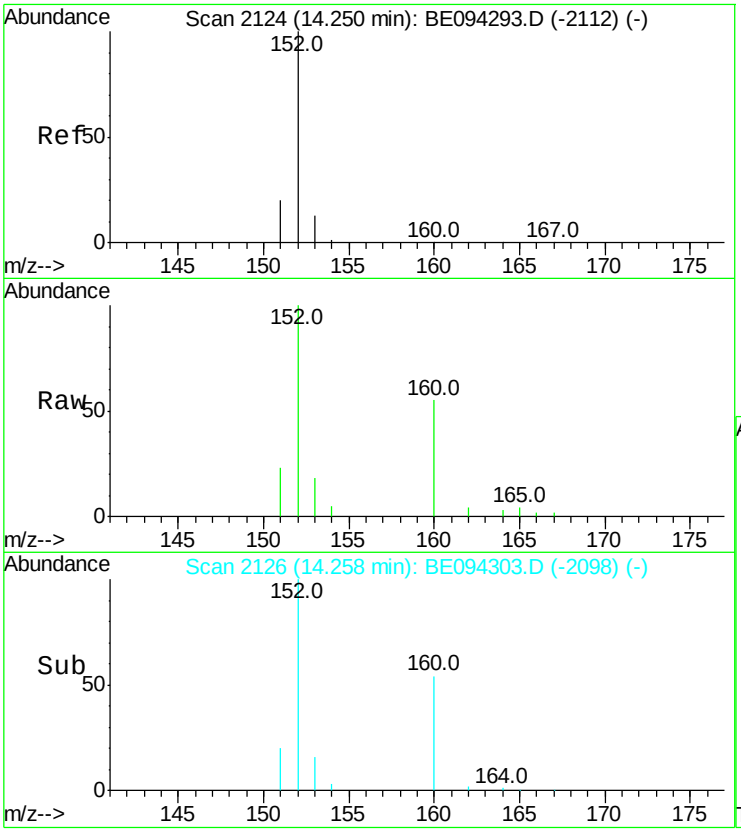




#5
2-Methylnaphthalene
Concen: 1.466 ng/ul
RT: 12.36 min Scan# 1753
Delta R.T. -0.00 min
Lab File: BE094303.D
Acq: 12 Oct 2017 5:42

Tgt Ion:142 Resp: 19375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.8 | 72.6 | 108.8 |



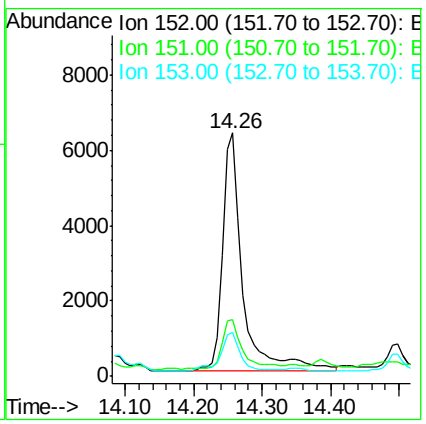


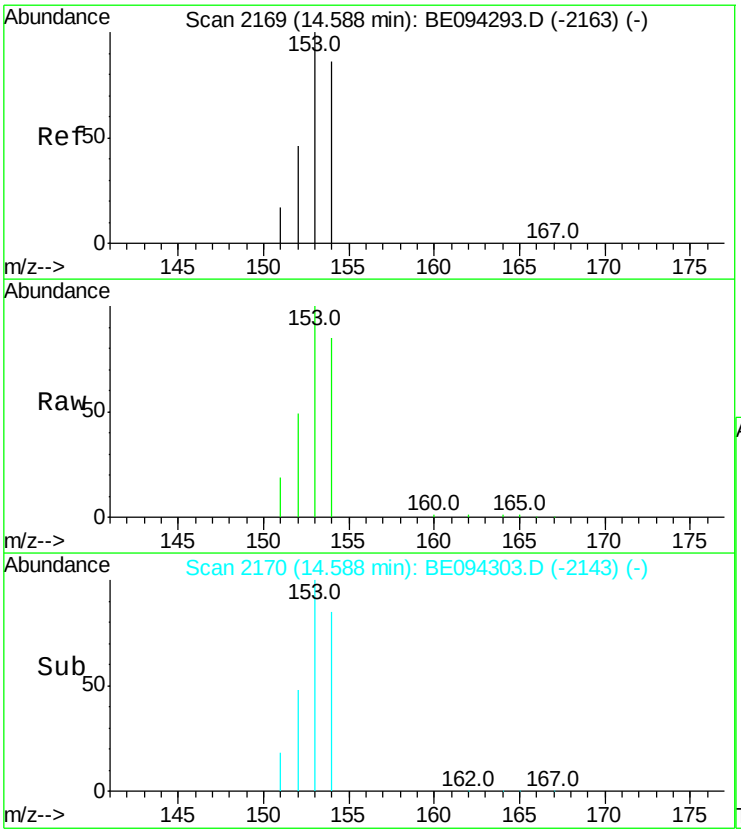

#7
Acenaphthylene
Concen: 0.638 ng/ul
RT: 14.26 min Scan# 2126
Delta R.T. 0.01 min
Lab File: BE094303.D
Acq: 12 Oct 2017 5:42

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

Tgt Ion:152 Resp: 12800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 23.1 | 17.1 | 25.7 |
| 153 | 18.0 | 12.8 | 19.2 |

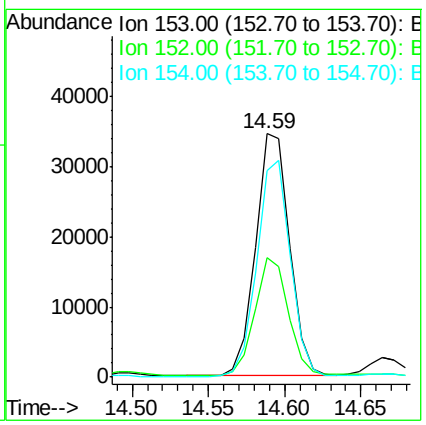


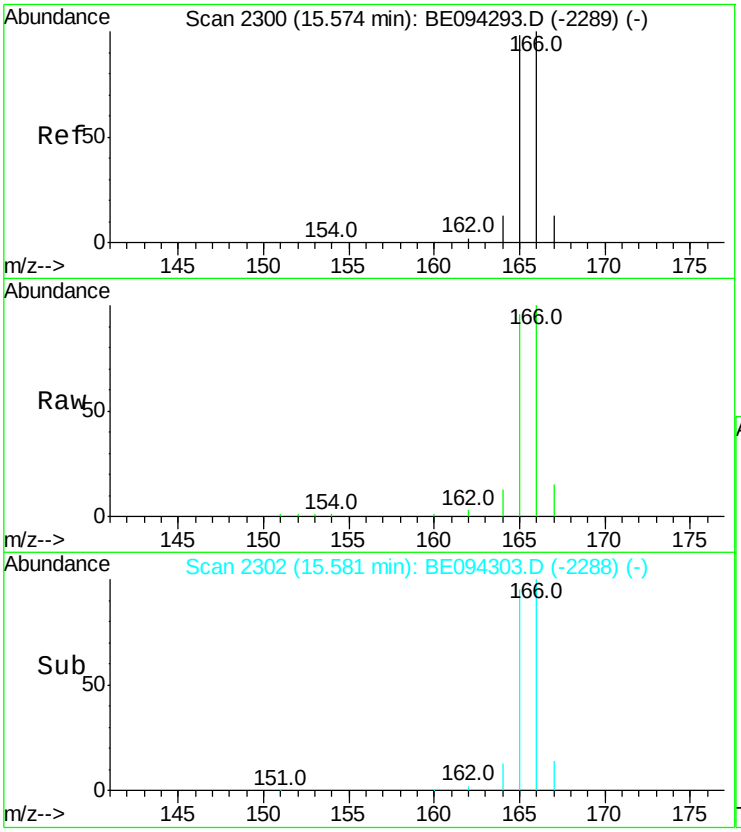




#8
Acenaphthene
Concen: 3.229 ng/ul
RT: 14.59 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BE094303.D
Acq: 12 Oct 2017 5:42

Tgt Ion:153 Resp: 53317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 48.9 | 40.3 | 60.5 |
| 154 | 85.1 | 71.4 | 107.2 |



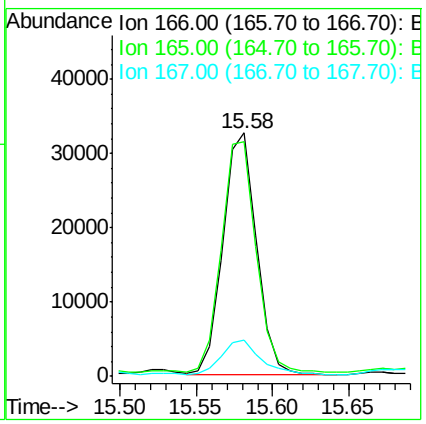


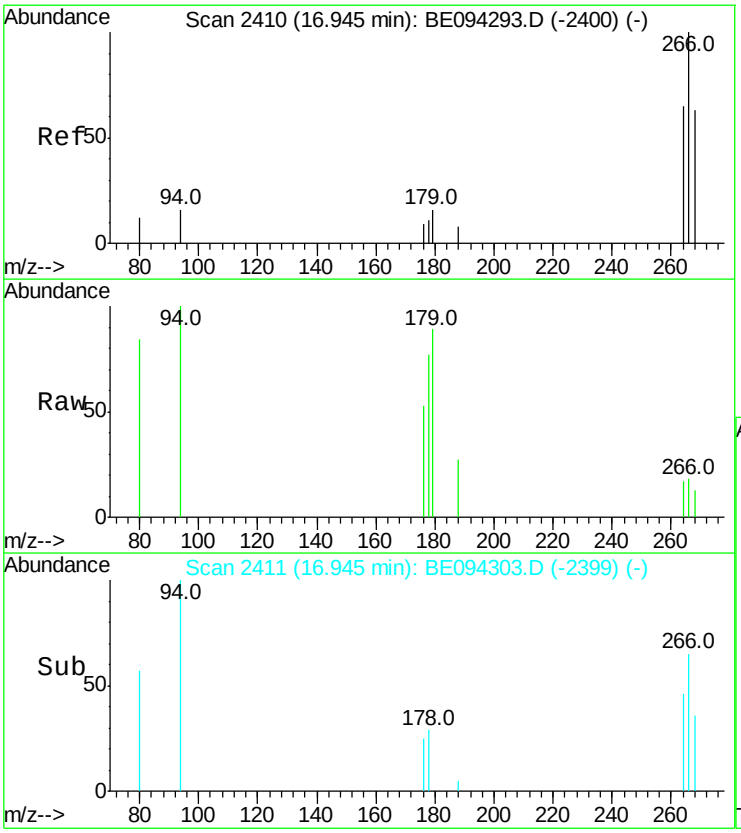

#9
Fluorene
Concen: 2.548 ng/ul
RT: 15.58 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BE094303.D
Acq: 12 Oct 2017 5:42

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

Tgt Ion:166 Resp: 49259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 96.2 | 73.4 | 110.2 |
| 167 | 14.7 | 14.6 | 22.0 |

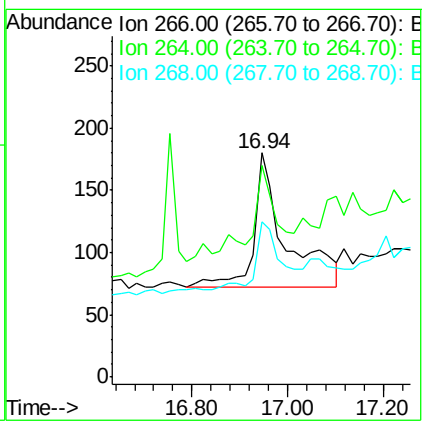


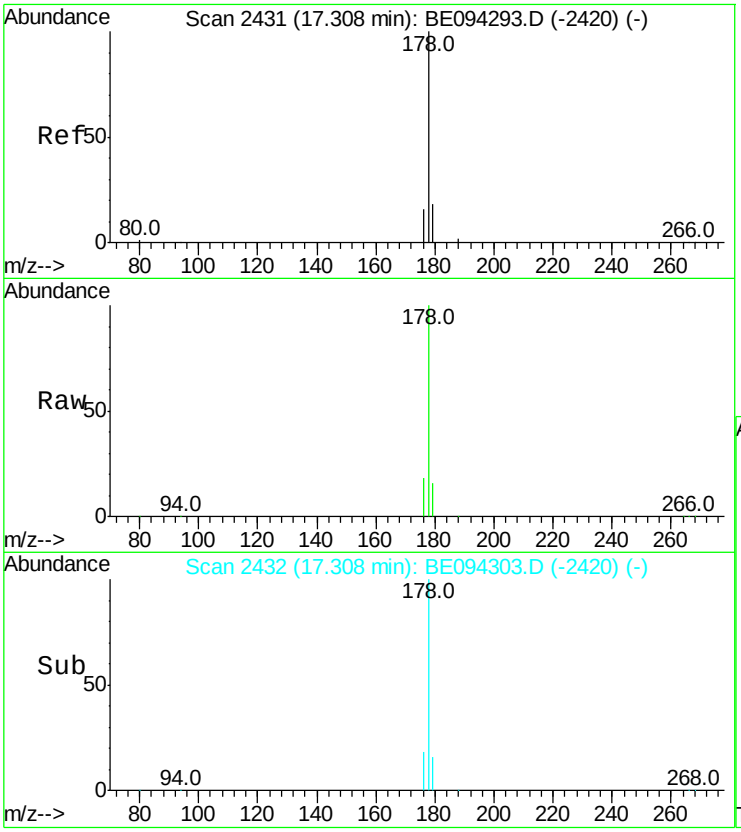




#11
Pentachlorophenol
Concen: 0.439 ng/ul
RT: 16.94 min Scan# 2411
Delta R.T. -0.00 min
Lab File: BE094303.D
Acq: 12 Oct 2017 5:42

Tgt Ion:266 Resp: 506

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 63.4 | 47.9 | 71.9 |
| 268 | 38.5 | 49.8 | 74.8# |



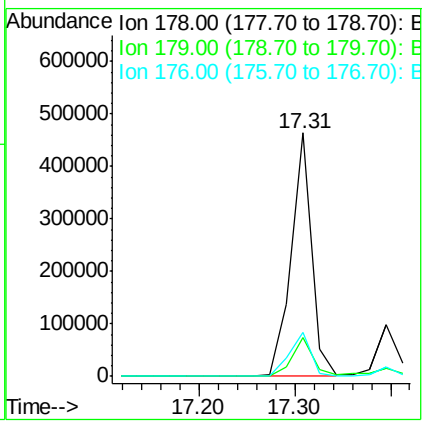


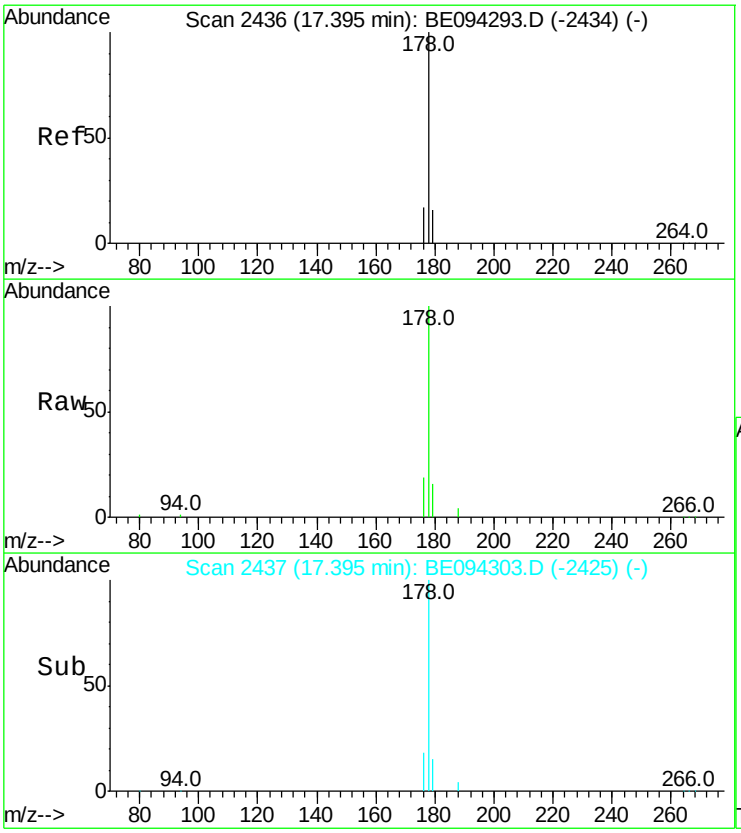

#12
Phenanthrene
Concen: 26.539 ng/ul
RT: 17.31 min Scan# 2432
Delta R.T. -0.00 min
Lab File: BE094303.D
Acq: 12 Oct 2017 5:42

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

Tgt Ion:178 Resp: 681793

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.2 | 18.4 | 27.6# |
| 176 | 18.2 | 13.6 | 20.4 |

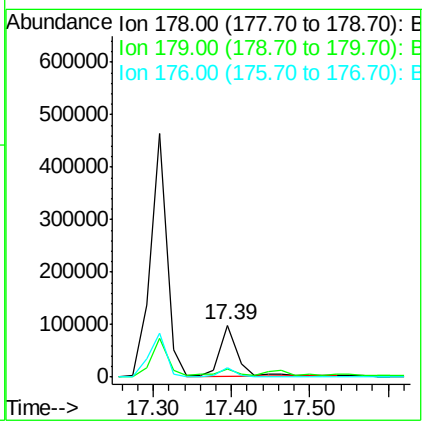


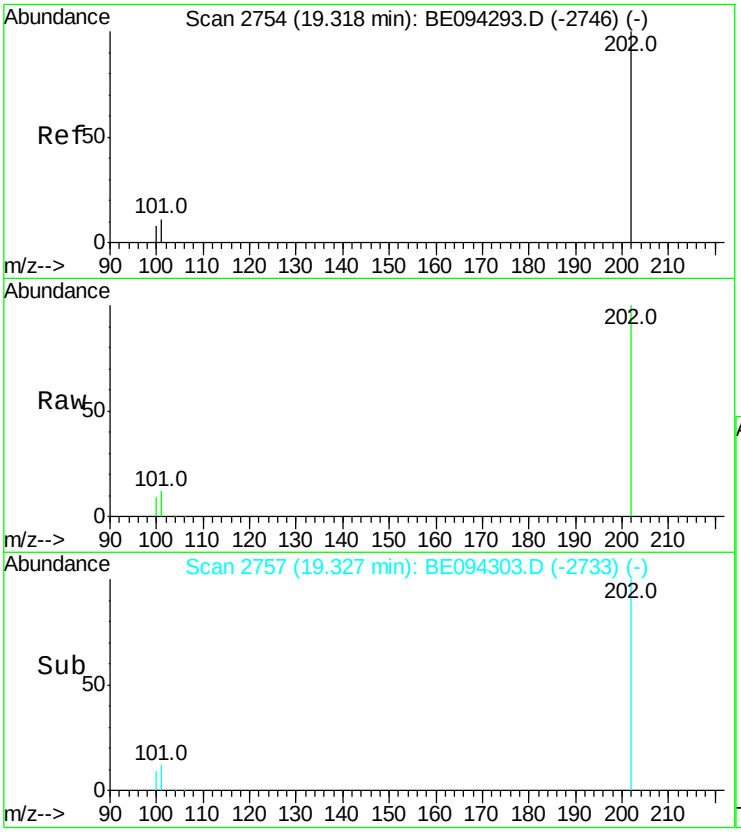




#13
Anthracene
Concen: 5.930 ng/ul
RT: 17.39 min Scan# 2437
Delta R.T. -0.00 min
Lab File: BE094303.D
Acq: 12 Oct 2017 5:42

Tgt Ion:178 Resp: 148159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.2 | 18.1 | 27.1# |
| 176 | 18.8 | 14.7 | 22.1 |



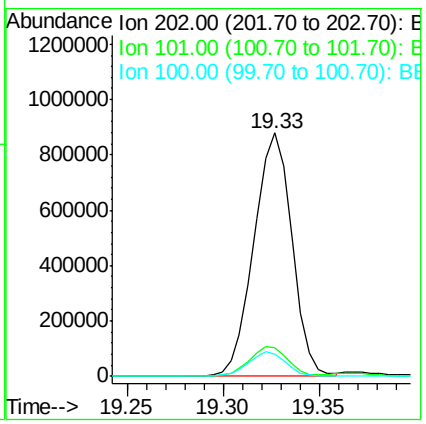


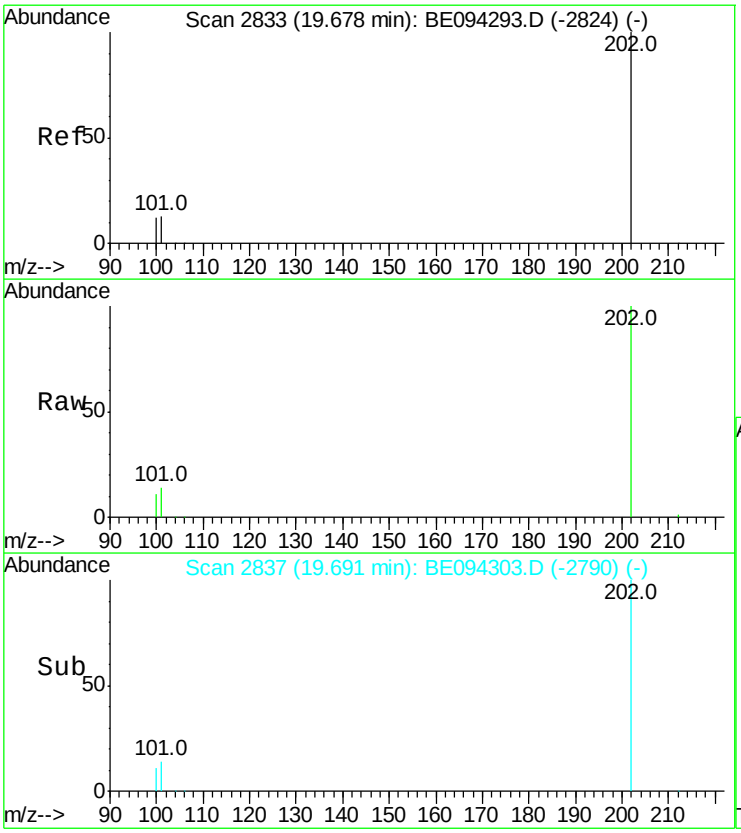

#15
Fluoranthene
Concen: 35.346 ng/ul
RT: 19.33 min Scan# 2757
Delta R.T. 0.01 min
Lab File: BE094303.D
Acq: 12 Oct 2017 5:42

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

Tgt Ion:202 Resp: 1193156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.8 | 0.0 | 30.3 |
| 100 | 9.3 | 0.0 | 39.5 |

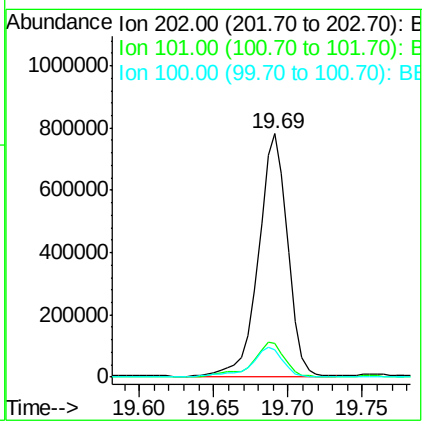


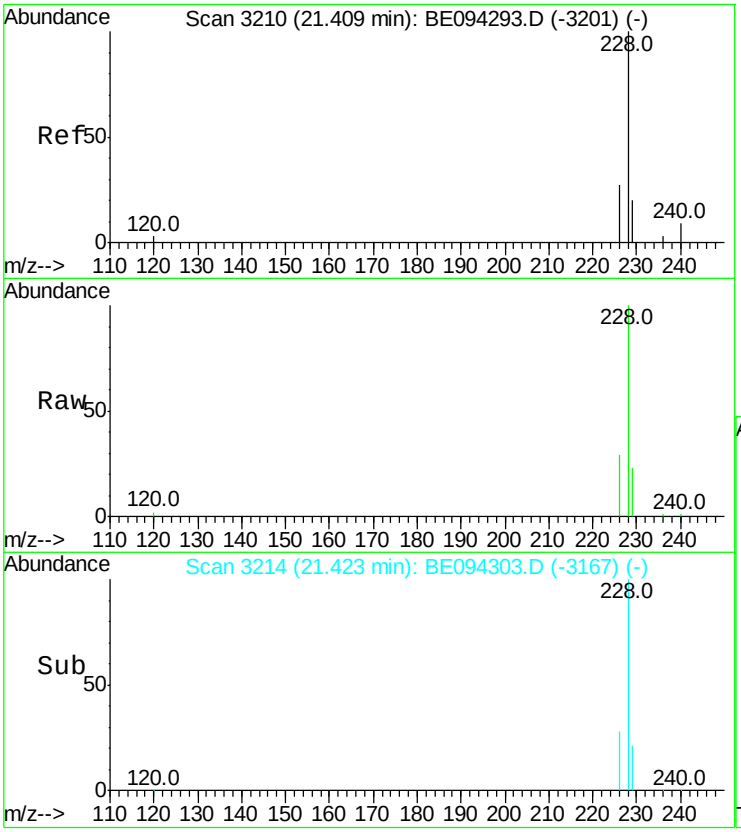




#17
Pyrene
Concen: 39.153 ng/ul
RT: 19.69 min Scan# 2837
Delta R.T. 0.01 min
Lab File: BE094303.D
Acq: 12 Oct 2017 5:42

Tgt Ion:202 Resp: 1057005

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.7 | 18.2 | 27.4# |
| 100 | 11.4 | 15.6 | 23.4# |



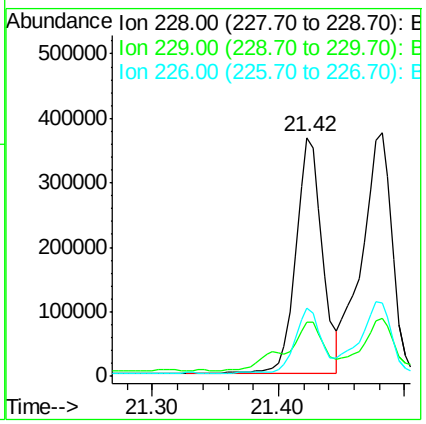


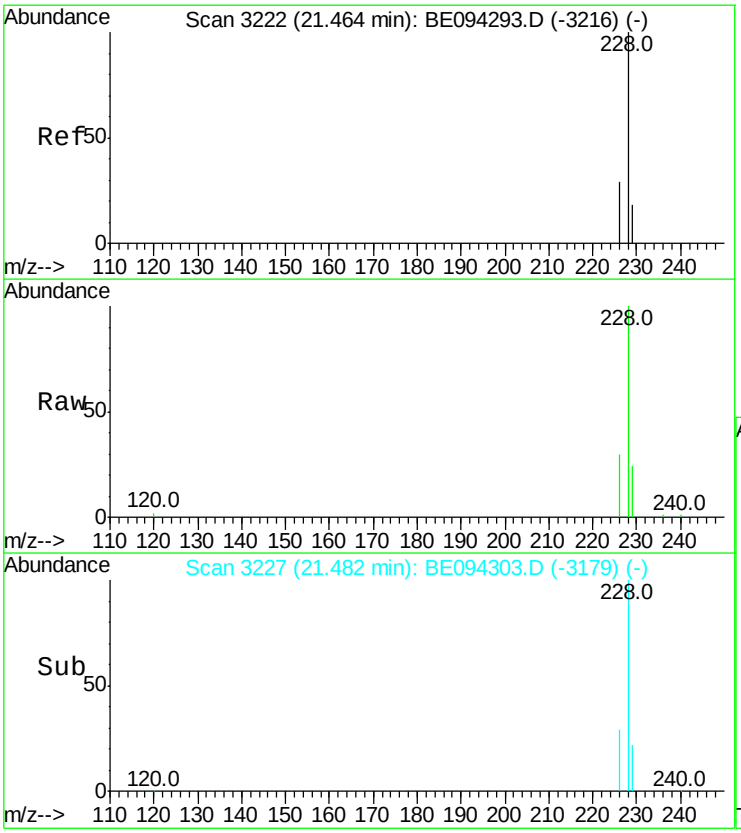

#18
Benzo(a)anthracene
Concen: 20.472 ng/ul
RT: 21.42 min Scan# 3214
Delta R.T. 0.01 min
Lab File: BE094303.D
Acq: 12 Oct 2017 5:42

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

Tgt Ion:228 Resp: 526957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.9 | 22.8 | 34.2 |
| 226 | 28.7 | 17.0 | 25.6# |

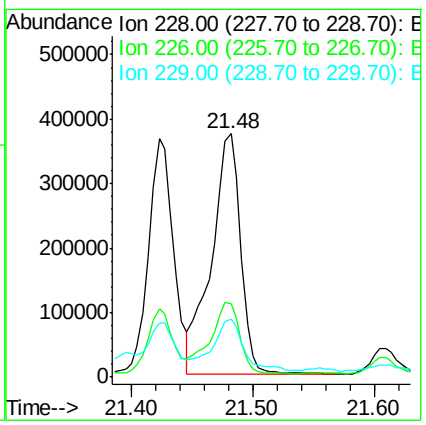


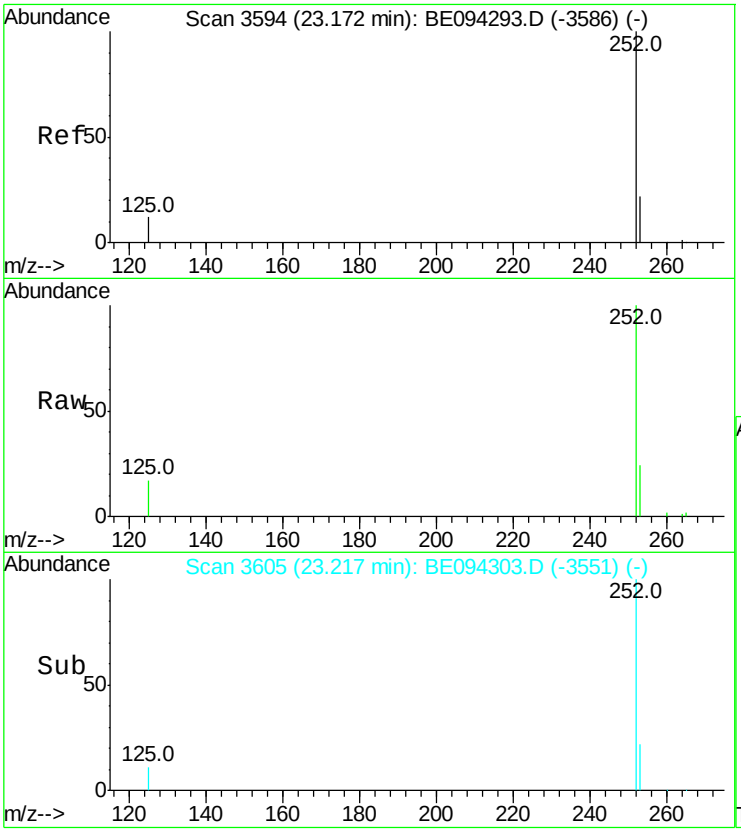




#19
Chrysene
Concen: 21.215 ng/ul
RT: 21.48 min Scan# 3227
Delta R.T. 0.02 min
Lab File: BE094303.D
Acq: 12 Oct 2017 5:42

Tgt Ion:228 Resp: 630634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.4 | 23.4 | 35.0 |
| 229 | 23.9 | 17.7 | 26.5 |



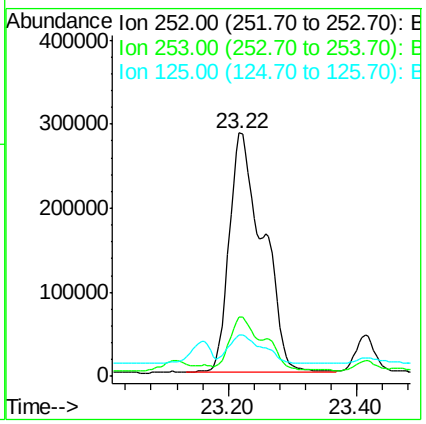


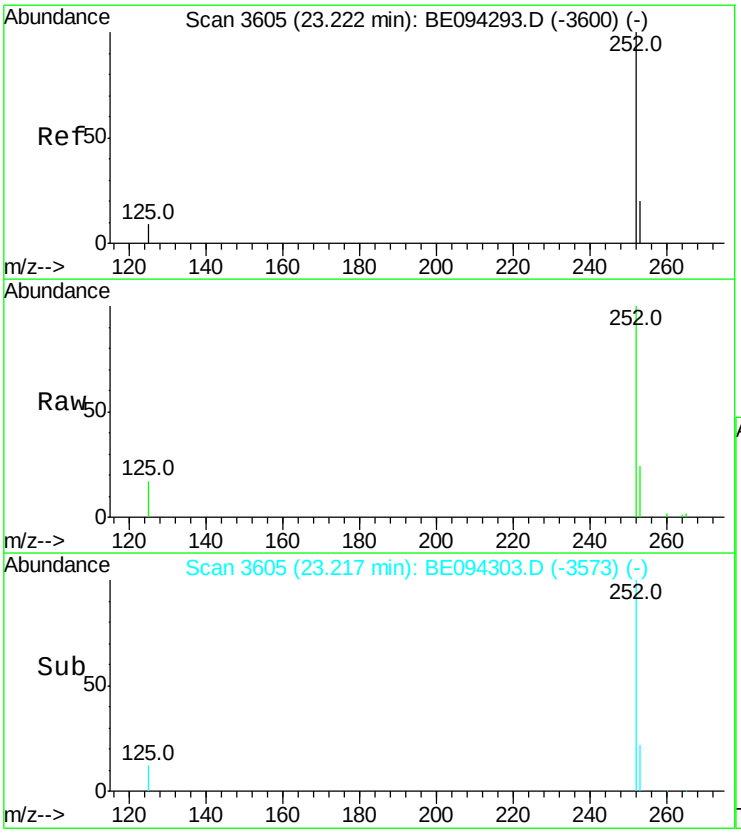

#21
Benzo(b)fluoranthene
Concen: 26.670 ng/ul
RT: 23.22 min Scan# 3605
Delta R.T. 0.05 min
Lab File: BE094303.D
Acq: 12 Oct 2017 5:42

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

Tgt Ion:252 Resp: 1030315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.3 | 0.0 | 64.2 |
| 125 | 16.9 | 0.0 | 35.0 |

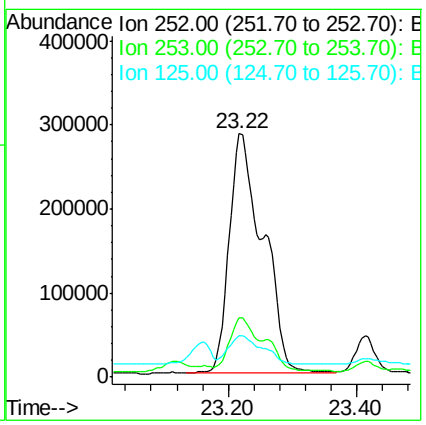


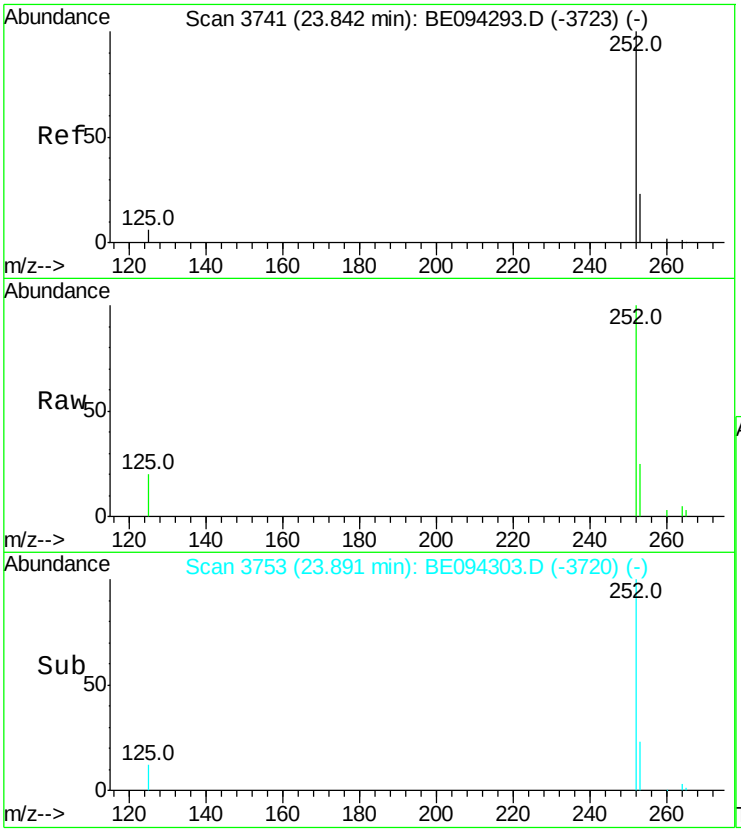




#22
Benzo(k)fluoranthene
Concen: 23.074 ng/ul
RT: 23.22 min Scan# 3605
Delta R.T. -0.00 min
Lab File: BE094303.D
Acq: 12 Oct 2017 5:42

Tgt Ion:252 Resp: 1030315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.3 | 24.5 | 36.7# |
| 125 | 16.9 | 13.7 | 20.5 |



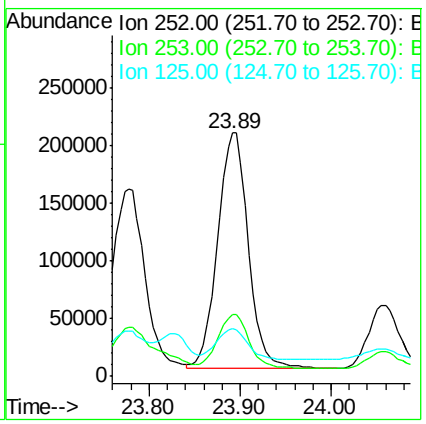


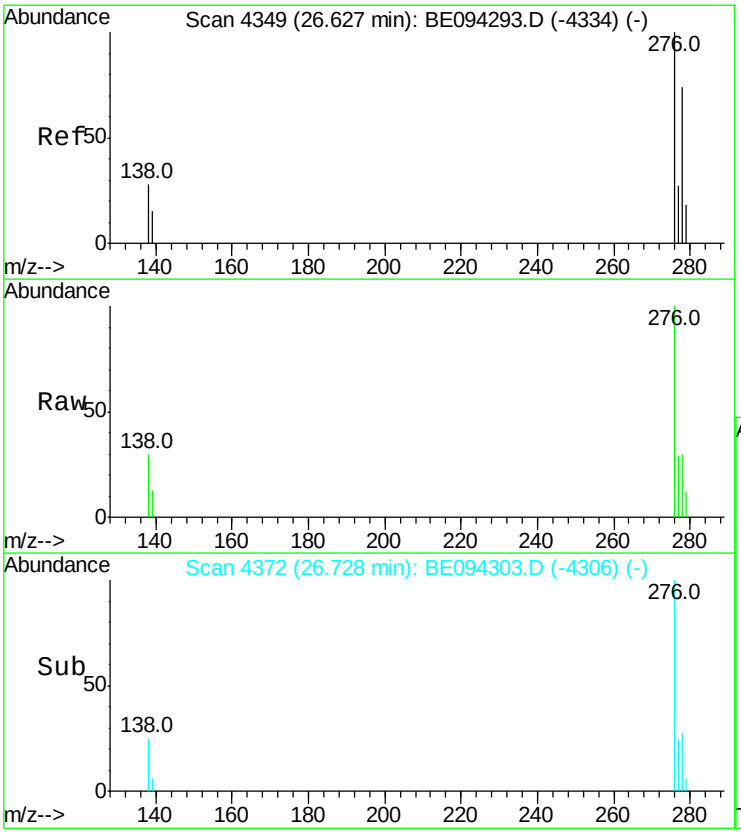

#23
Benzo(a)pyrene
Concen: 11.863 ng/ul
RT: 23.89 min Scan# 3753
Delta R.T. 0.05 min
Lab File: BE094303.D
Acq: 12 Oct 2017 5:42

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

Tgt Ion:252 Resp: 476228

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.2 | 28.5 | 42.7# |
| 125 | 19.5 | 18.1 | 27.1 |

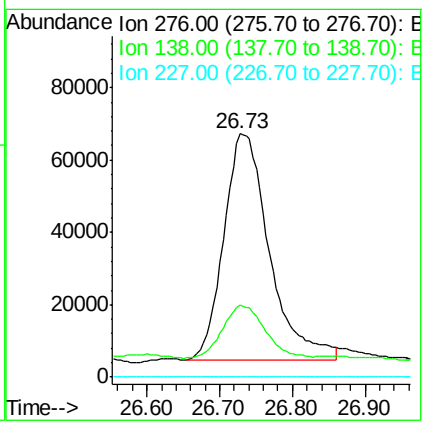


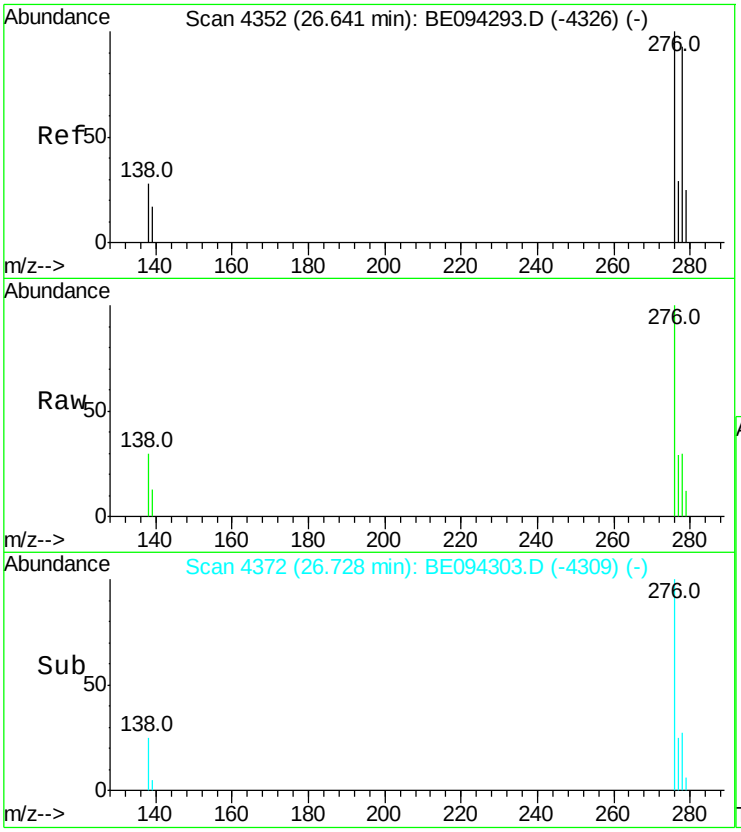




#24
Indeno(1,2,3-cd)pyrene
Concen: 6.682 ng/ul
RT: 26.73 min Scan# 4372
Delta R.T. 0.10 min
Lab File: BE094303.D
Acq: 12 Oct 2017 5:42

Tgt Ion:276 Resp: 274413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 21.6 | 28.0 | 42.0# |
| 227 | 0.0 | 8.0 | 12.0# |



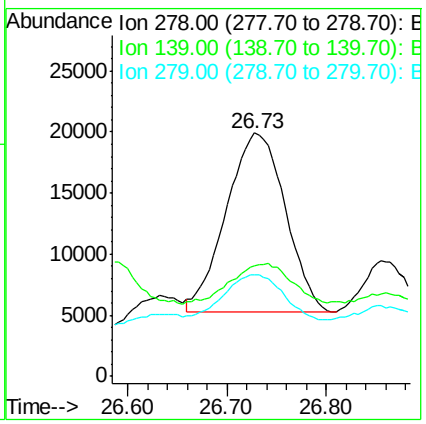


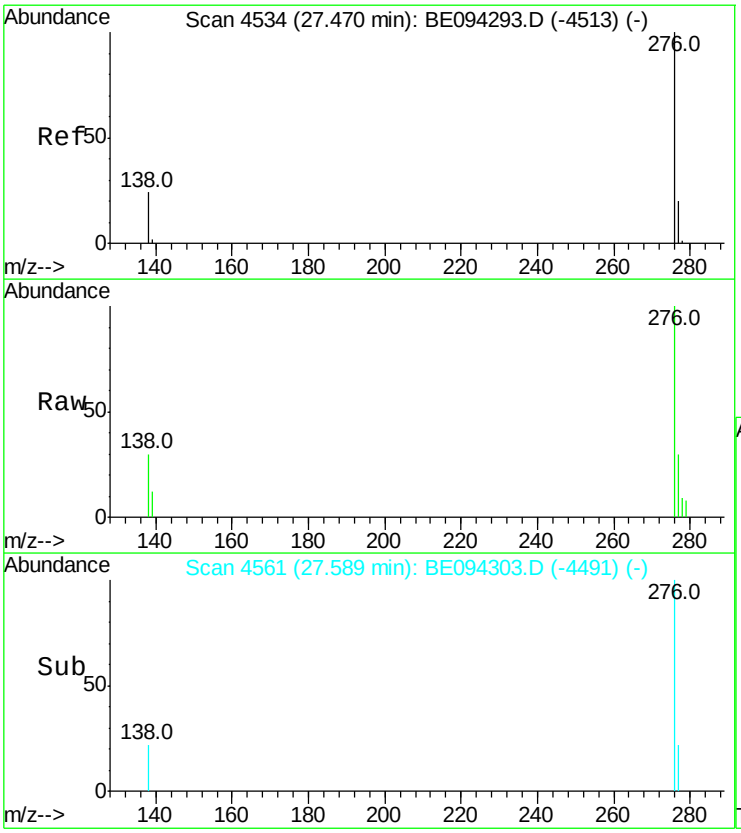

#25
Dibenzo(a,h)anthracene
Concen: 1.755 ng/ul
RT: 26.73 min Scan# 4372
Delta R.T. 0.09 min
Lab File: BE094303.D
Acq: 12 Oct 2017 5:42

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

Tgt Ion:278 Resp: 60458

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 45.6 | 17.4 | 26.0# |
| 279 | 41.9 | 25.9 | 38.9# |




#26
Benzo(g,h,i)perylene
Concen: 5.919 ng/ul
RT: 27.59 min Scan# 4561
Delta R.T. 0.12 min
Lab File: BE094303.D
Acq: 12 Oct 2017 5:42

Tgt Ion:276 Resp: 209671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 30.2 | 21.8 | 32.8 |
| 277 | 30.0 | 20.5 | 30.7 |