Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061317\
Data File : BE093161.D
Acq On : 14 Jun 2017 9:52
Operator : SJ/MA
Sample : I3522-13DL 5X
Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** F5C34DL

Quant Time: Jun 14 12:03:43 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 14 08:39:04 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.74 | 152 | 4030 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.52 | 136 | 20135 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.37 | 164 | 12258 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.10 | 188 | 30669 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.26 | 240 | 30881 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.66 | 264 | 30316 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.11 | 152 | 1854 | 0.06 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.13 | 212 | 5336 | 0.06 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.57 | 128 | 109143 | 2.185 | ng/ul# | 91 |
| 5) 2-Methylnaphthalene | 12.19 | 142 | 9482 | 0.278 | ng/ul | 98 |
| 8) Acenaphthene | 14.43 | 153 | 10527 | 0.248 | ng/ul | 98 |
| 9) Fluorene | 15.42 | 166 | 16355 | 0.329 | ng/ul | 91 |
| 12) Phenanthrene | 17.14 | 178 | 73166 | 0.867 | ng/ul# | 87 |
| 13) Anthracene | 17.22 | 178 | 17942 | 0.244 | ng/ul# | 90 |
| 15) Fluoranthene | 19.15 | 202 | 25069 | 0.242 | ng/ul | 84 |
| 17) Pyrene | 19.51 | 202 | 19016 | 0.209 | ng/ul# | 86 |
| 18) Benzo(a)anthracene | 21.24 | 228 | 2801 | 0.034 | ng/ul# | 88 |
| 19) Chrysene | 21.29 | 228 | 2323 | 0.027 | ng/ul | 92 |

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

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Operator : SJ/MA
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Misc :
ALS Vial : 34 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
F5C34DL

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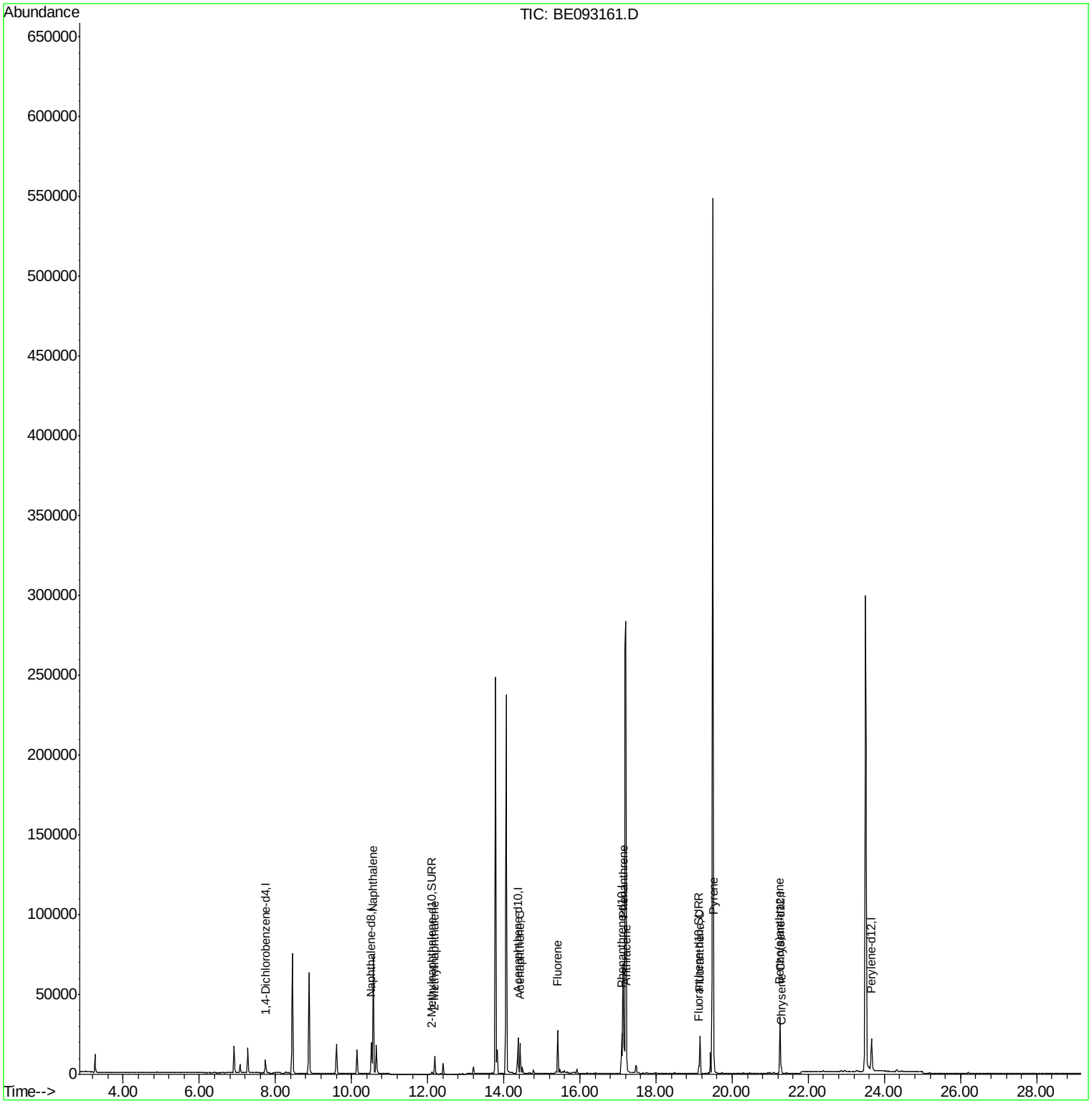
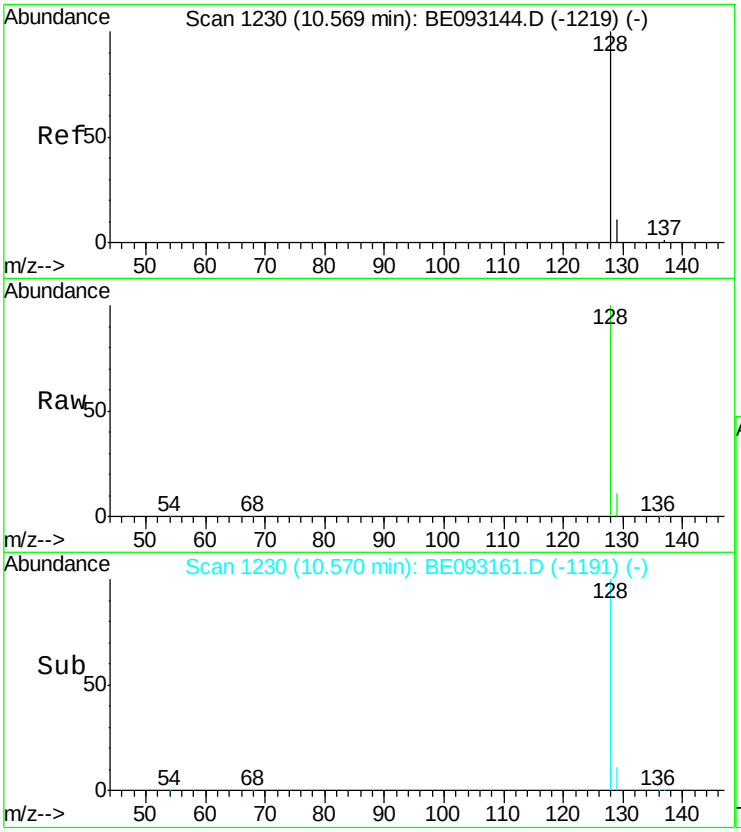
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 14 08:39:04 2017
Response via : Initial Calibration



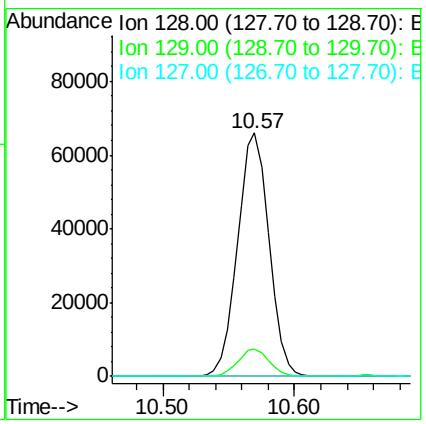


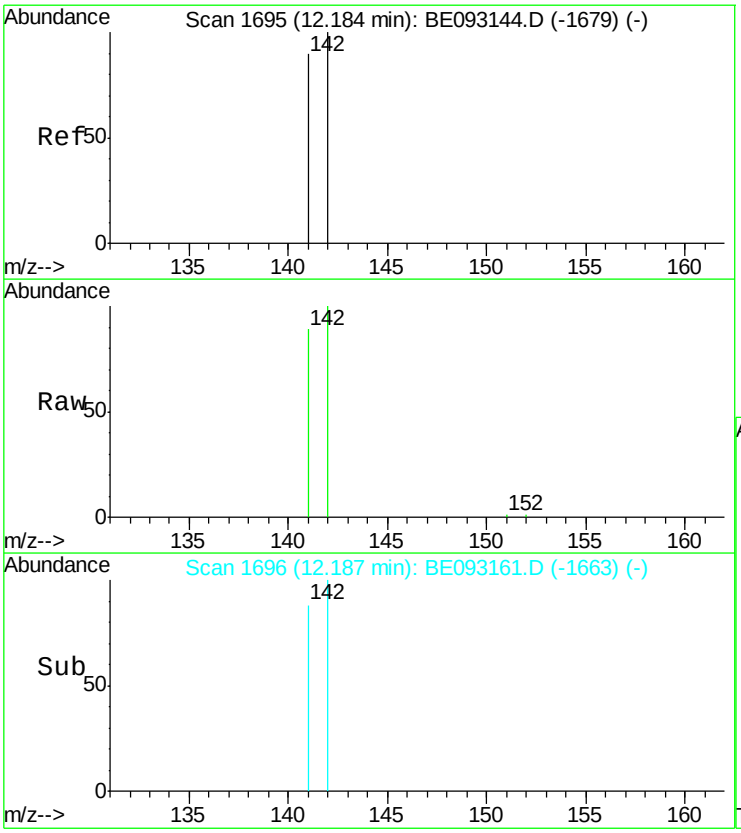

#3
Naphthalene
Concen: 2.185 ng/ul
RT: 10.57 min Scan# 1230
Delta R.T. 0.00 min
Lab File: BE093161.D
Acq: 14 Jun 2017 9:52

**Instrument :**
BNA_E
**ClientSampleId :**
F5C34DL

Tgt Ion:128 Resp: 109143

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.1 | 11.3 | 16.9# |
| 127 | 0.0 | 4.0 | 6.0# |

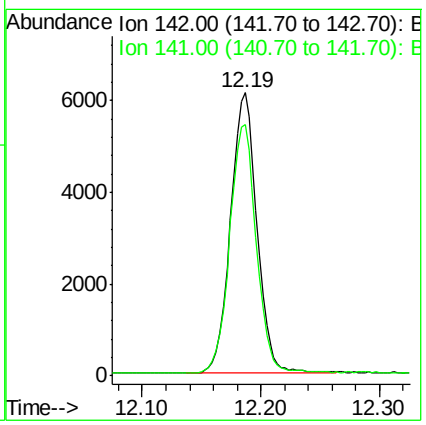


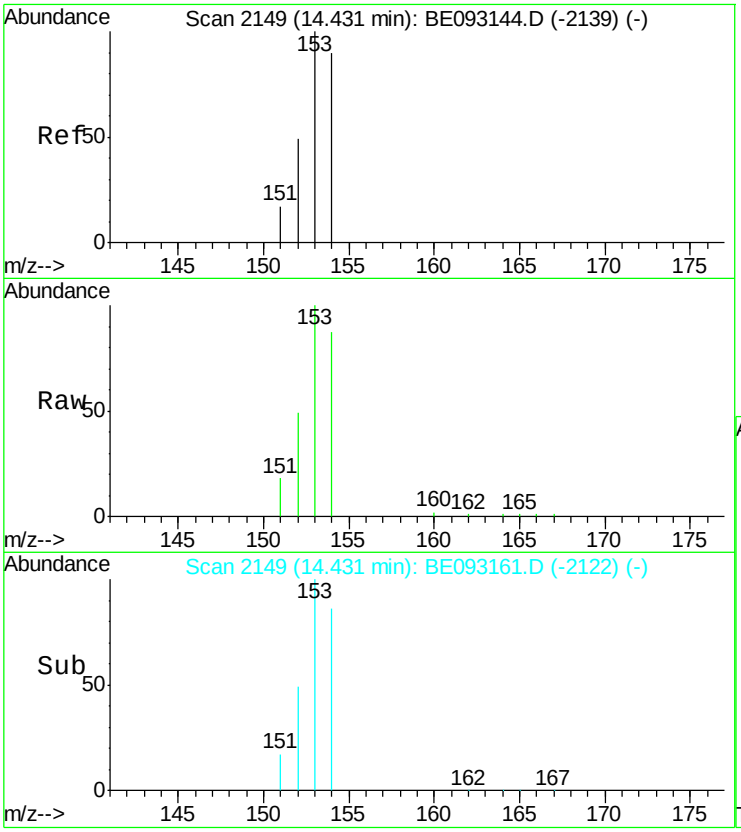




#5
2-Methylnaphthalene
Concen: 0.278 ng/ul
RT: 12.19 min Scan# 1696
Delta R.T. 0.00 min
Lab File: BE093161.D
Acq: 14 Jun 2017 9:52

Tgt Ion:142 Resp: 9482

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.2 | 72.6 | 108.8 |



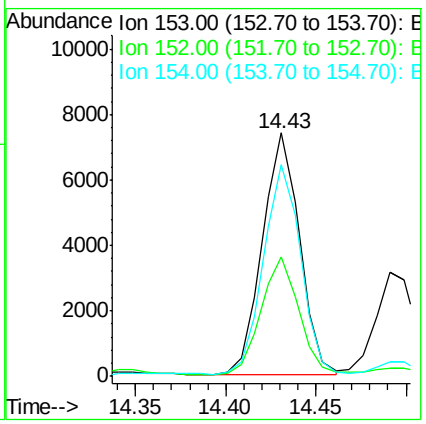


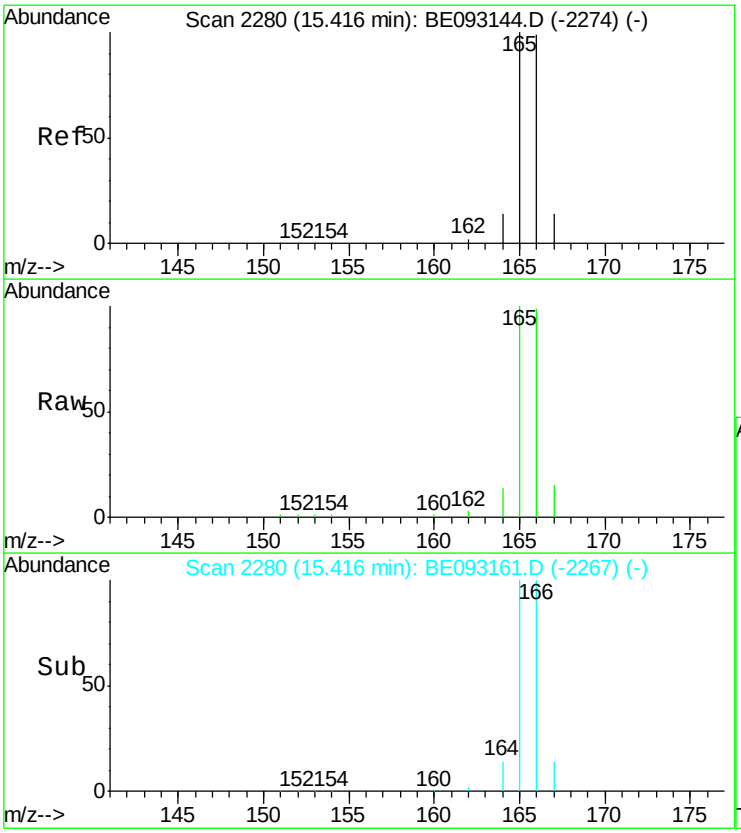

#8
Acenaphthene
Concen: 0.248 ng/ul
RT: 14.43 min Scan# 2149
Delta R.T. 0.00 min
Lab File: BE093161.D
Acq: 14 Jun 2017 9:52

**Instrument :**
BNA_E
**ClientSampleId :**
F5C34DL

Tgt Ion:153 Resp: 10527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 49.2 | 40.3 | 60.5 |
| 154 | 86.7 | 71.4 | 107.2 |

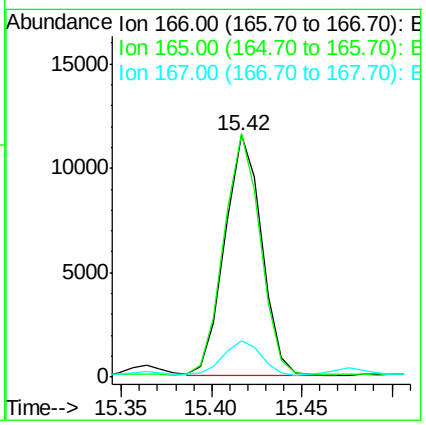


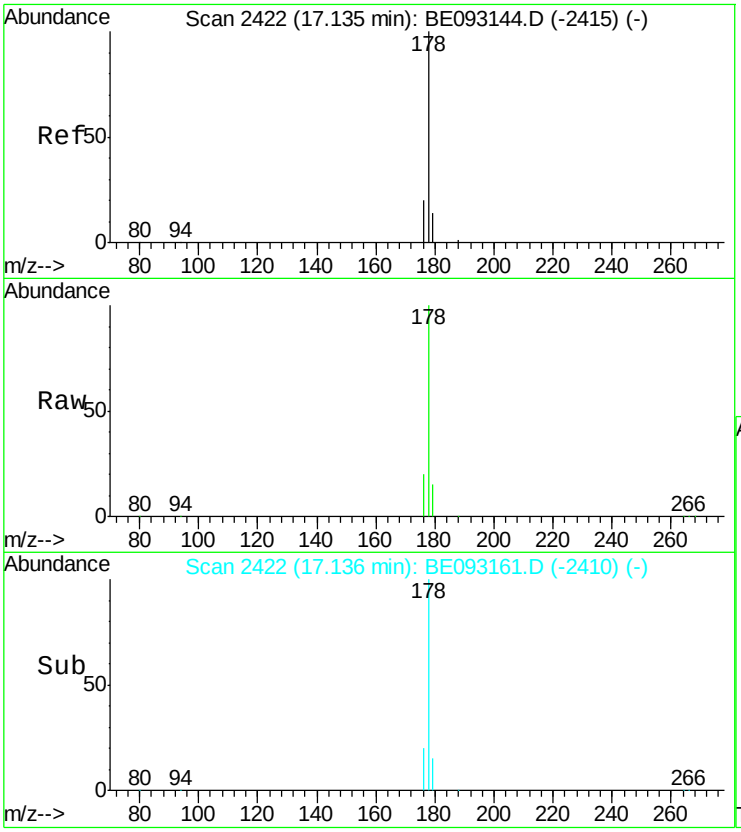




#9
Fluorene
Concen: 0.329 ng/ul
RT: 15.42 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BE093161.D
Acq: 14 Jun 2017 9:52

Tgt Ion:166 Resp: 16355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.5 | 73.4 | 110.2 |
| 167 | 14.9 | 14.6 | 22.0 |



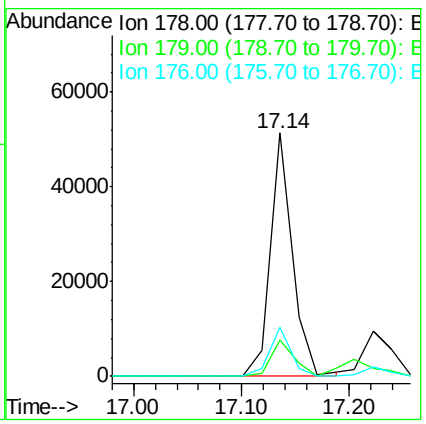


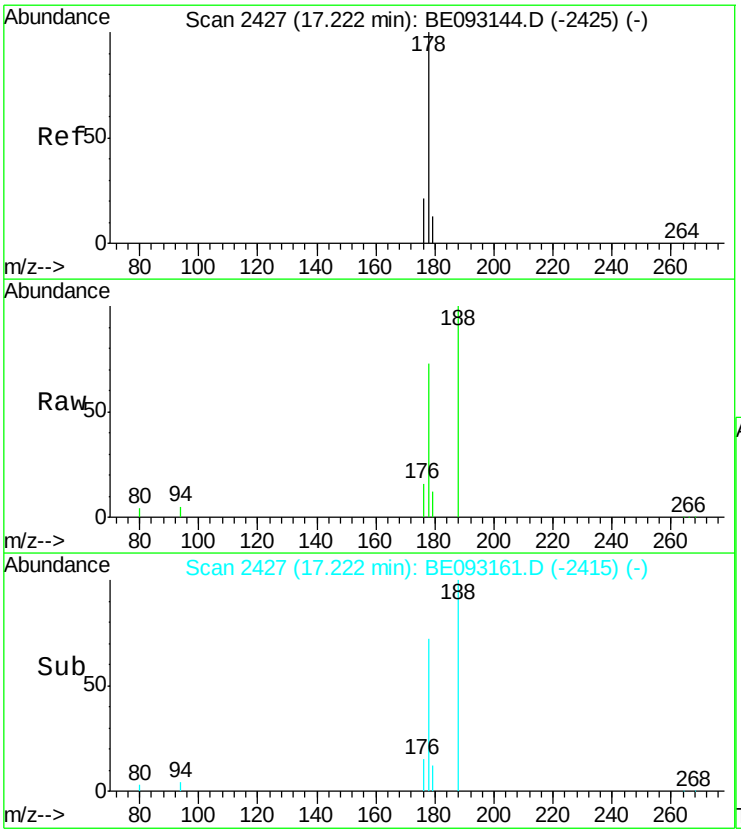

#12
Phenanthrene
Concen: 0.867 ng/ul
RT: 17.14 min Scan# 2422
Delta R.T. 0.00 min
Lab File: BE093161.D
Acq: 14 Jun 2017 9:52

**Instrument :**
BNA_E
**ClientSampleId :**
F5C34DL

Tgt Ion:178 Resp: 73166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 14.7 | 18.4 | 27.6# |
| 176 | 20.0 | 13.6 | 20.4 |

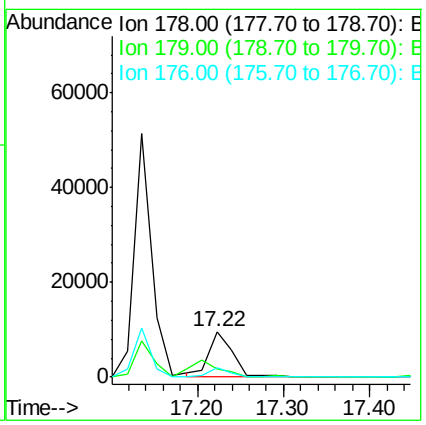


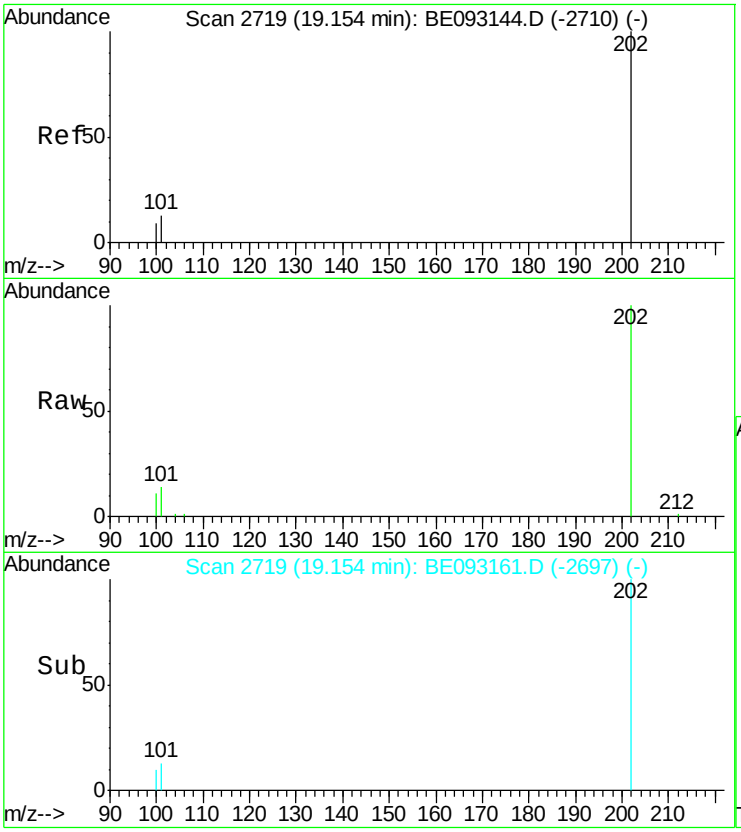




#13
Anthracene
Concen: 0.244 ng/ul
RT: 17.22 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BE093161.D
Acq: 14 Jun 2017 9:52

Tgt Ion:178 Resp: 17942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 17.2 | 18.1 | 27.1# |
| 176 | 21.7 | 14.7 | 22.1 |



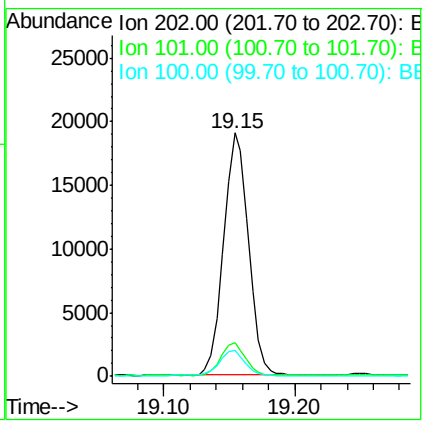


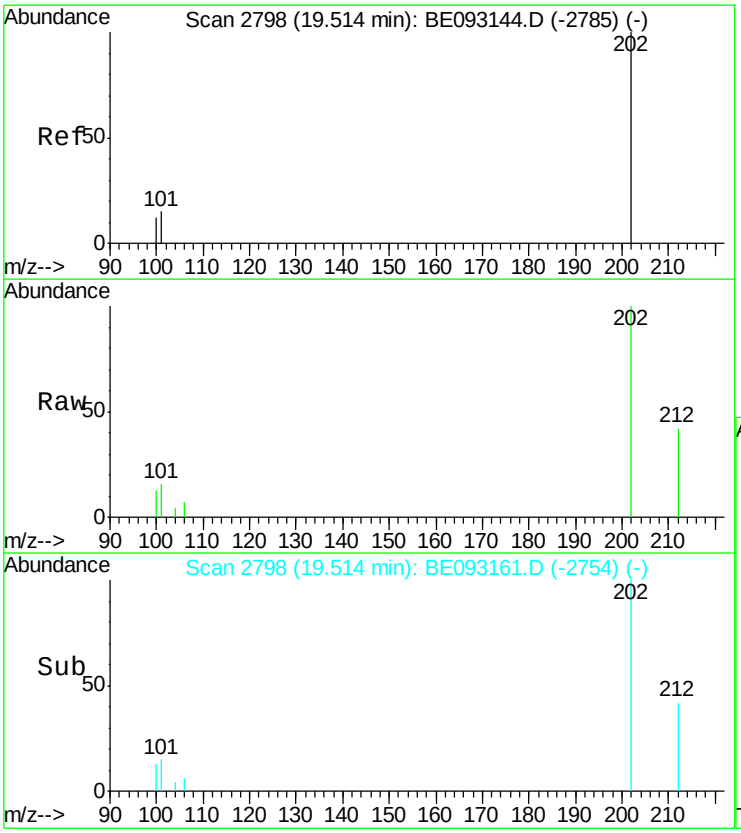

#15
Fluoranthene
Concen: 0.242 ng/ul
RT: 19.15 min Scan# 2719
Delta R.T. -0.00 min
Lab File: BE093161.D
Acq: 14 Jun 2017 9:52

**Instrument :**
BNA_E
**ClientSampleId :**
F5C34DL

Tgt Ion:202 Resp: 25069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.6 | 0.0 | 30.3 |
| 100 | 10.6 | 0.0 | 39.5 |

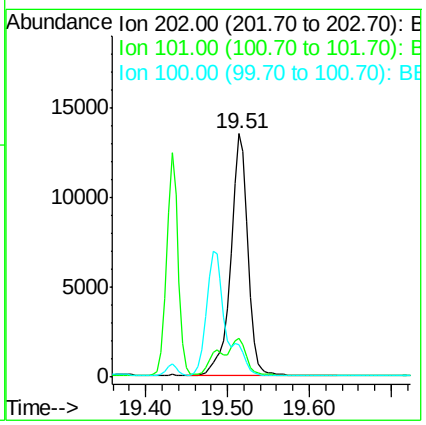


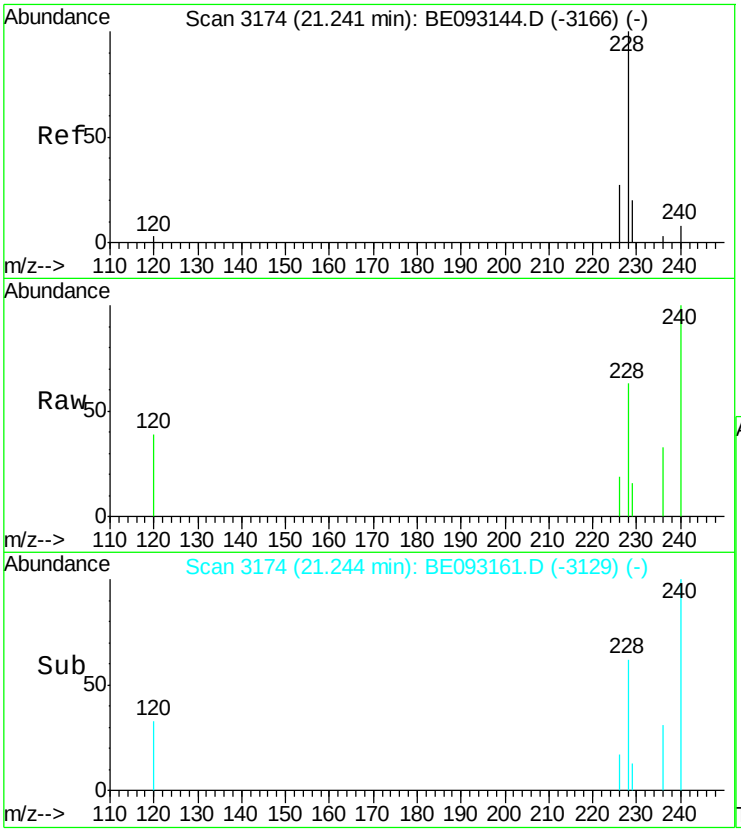




#17
Pyrene
Concen: 0.209 ng/ul
RT: 19.51 min Scan# 2798
Delta R.T. -0.00 min
Lab File: BE093161.D
Acq: 14 Jun 2017 9:52

Tgt Ion:202 Resp: 19016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.8 | 18.2 | 27.4# |
| 100 | 13.4 | 15.6 | 23.4# |



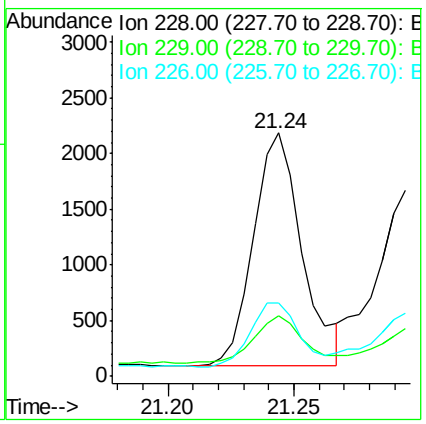


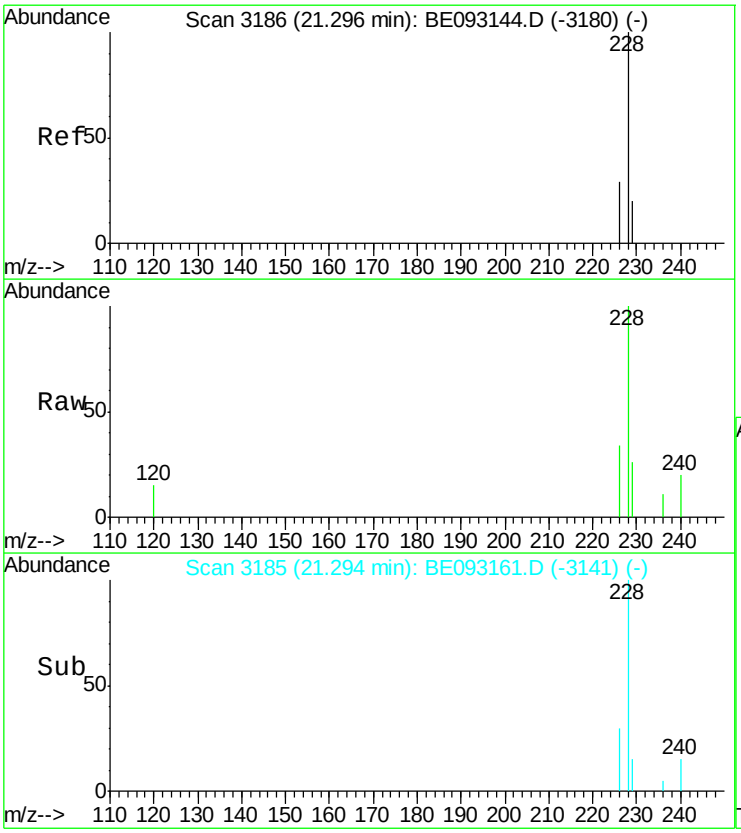

#18
Benzo(a)anthracene
Concen: 0.034 ng/ul
RT: 21.24 min Scan# 3174
Delta R.T. 0.00 min
Lab File: BE093161.D
Acq: 14 Jun 2017 9:52

**Instrument :**
BNA_E
**ClientSampleId :**
F5C34DL

Tgt Ion:228 Resp: 2801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 25.0 | 22.8 | 34.2 |
| 226 | 30.1 | 17.0 | 25.6# |




#19
Chrysene
Concen: 0.027 ng/ul
RT: 21.29 min Scan# 3185
Delta R.T. -0.00 min
Lab File: BE093161.D
Acq: 14 Jun 2017 9:52

Tgt Ion:228 Resp: 2323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 34.2 | 23.4 | 35.0 |
| 229 | 25.5 | 17.7 | 26.5 |