Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\
Data File : BE093190.D
Acq On : 15 Jun 2017 3:46
Operator : SJ/MA
Sample : I3521-03
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** F5C30

**Manual Integrations APPROVED**
mohammad
6/15/2017 3:54:05 PM

Quant Time: Jun 15 04:56:10 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 15 03:59:13 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.74 | 152 | 3607 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.52 | 136 | 19064 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.37 | 164 | 11906 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.10 | 188 | 27808 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.26 | 240 | 27465 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.67 | 264 | 22563m | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.11 | 152 | 6534 | 0.23 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.13 | 212 | 17979 | 0.24 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.57 | 128 | 8500 | 0.180 | ng/ul# | 93 |
| 5) 2-Methylnaphthalene | 12.18 | 142 | 2133 | 0.066 | ng/ul | 99 |
| 7) Acenaphthylene | 14.09 | 152 | 99812 | 1.954 | ng/ul | 96 |
| 8) Acenaphthene | 14.43 | 153 | 3039 | 0.074 | ng/ul | 95 |
| 9) Fluorene | 15.42 | 166 | 4384 | 0.091 | ng/ul | 90 |
| 12) Phenanthrene | 17.14 | 178 | 443592 | 5.798 | ng/ul# | 84 |
| 13) Anthracene | 17.22 | 178 | 150539 | 2.260 | ng/ul# | 86 |
| 15) Fluoranthene | 19.16 | 202 | 1665659 | 17.752 | ng/ul | 83 |
| 17) Pyrene | 19.52 | 202 | 1330673 | 16.429 | ng/ul# | 86 |
| 18) Benzo(a)anthracene | 21.24 | 228 | 371419 | 5.070 | ng/ul# | 83 |
| 19) Chrysene | 21.30 | 228 | 633336 | 8.334 | ng/ul | 99 |
| 21) Benzo(b)fluoranthene | 22.94 | 252 | 754376 | 11.017 | ng/ul | 87 |
| 22) Benzo(k)fluoranthene | 22.98 | 252 | 271792m | 3.737 | ng/ul | |
| 23) Benzo(a)pyrene | 23.56 | 252 | 289979m | 4.479 | ng/ul | |
| 24) Indeno(1,2,3-cd)pyrene | 26.19 | 276 | 252384m | 3.367 | ng/ul | |
| 25) Dibenzo(a,h)anthracene | 26.20 | 278 | 57301m | 0.908 | ng/ul | |
| 26) Benzo(g,h,i)perylene | 26.97 | 276 | 189830 | 2.953 | ng/ul | 96 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\
Data File : BE093190.D
Acq On : 15 Jun 2017 3:46
Operator : SJ/MA
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Misc :
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**Instrument :**
BNA_E
**ClientSampleId :**
F5C30

**Manual Integrations APPROVED**
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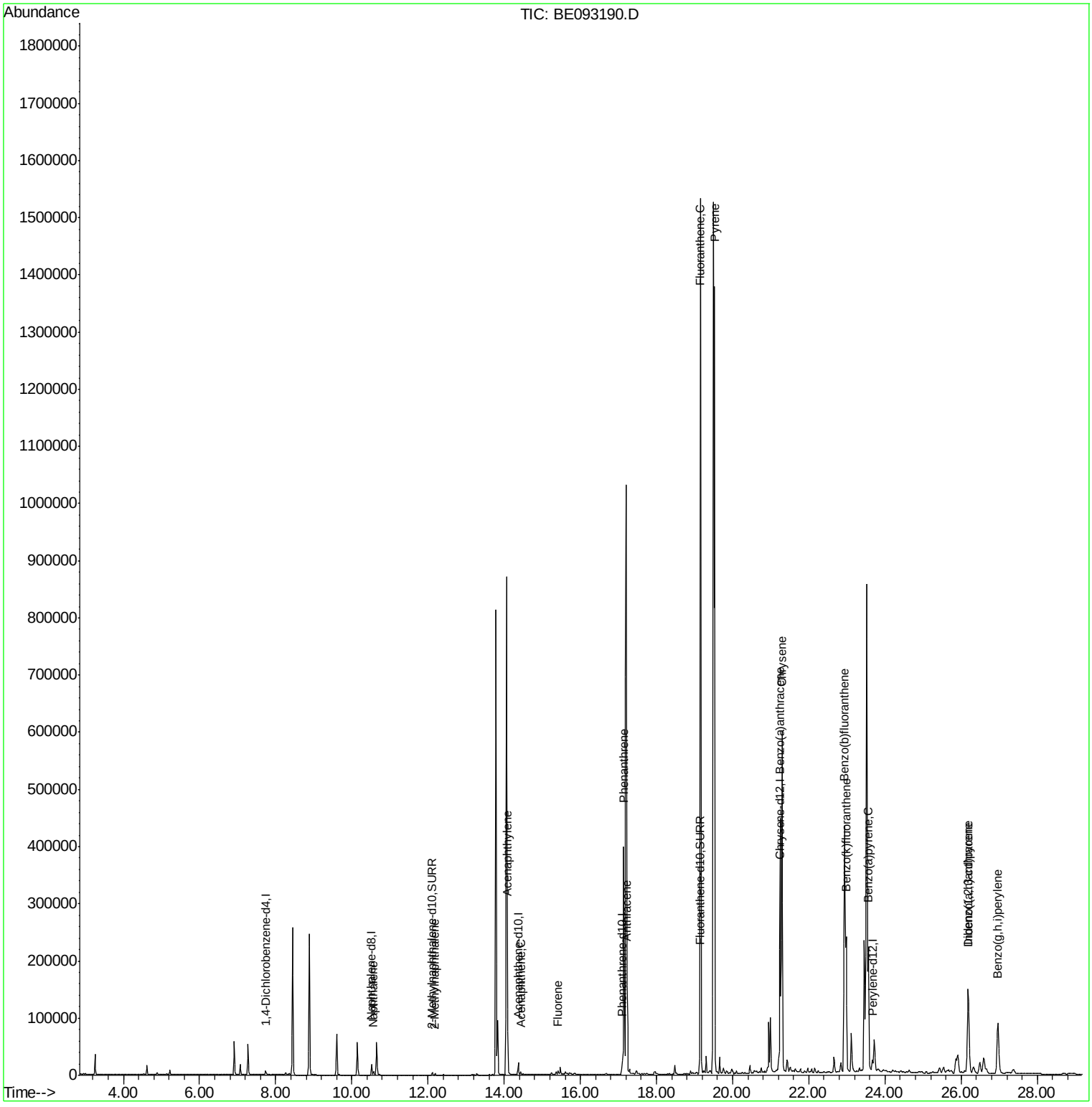

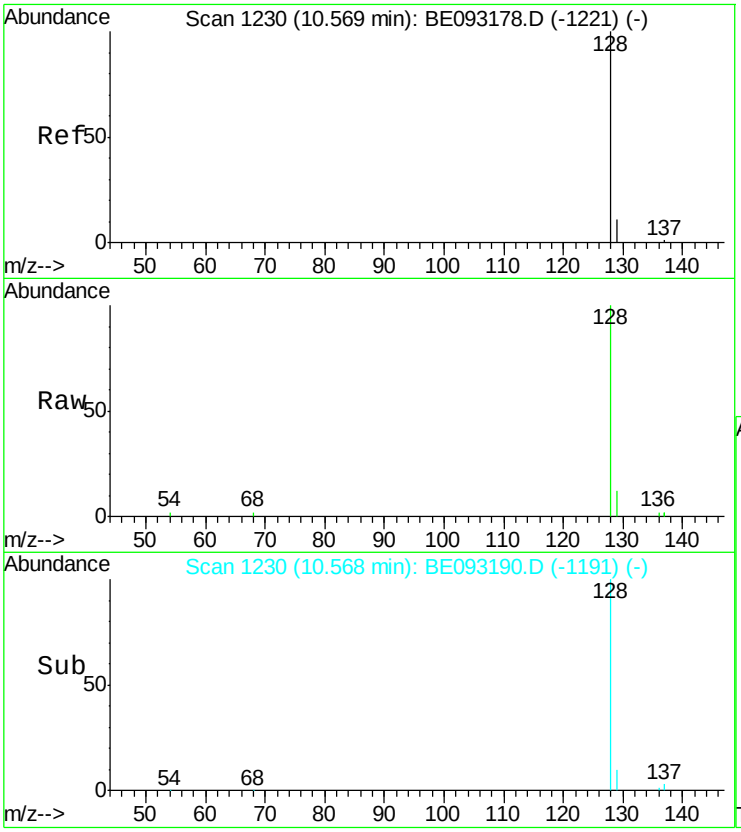


#3
Naphthalene
Concen: 0.180 ng/ul
RT: 10.57 min Scan# 1230
Delta R.T. -0.00 min
Lab File: BE093190.D
Acq: 15 Jun 2017 3:46

Tgt Ion:128 Resp: 8500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.2 | 11.3 | 16.9 |
| 127 | 0.0 | 4.0 | 6.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
F5C30

**Manual Integrations APPROVED**
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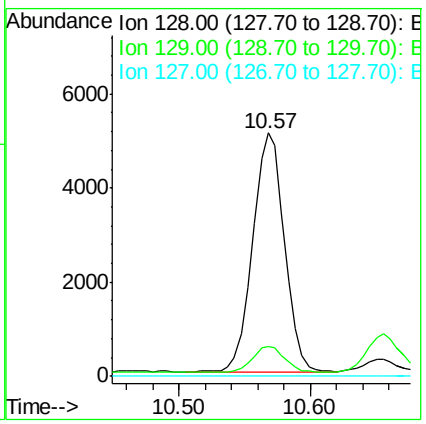
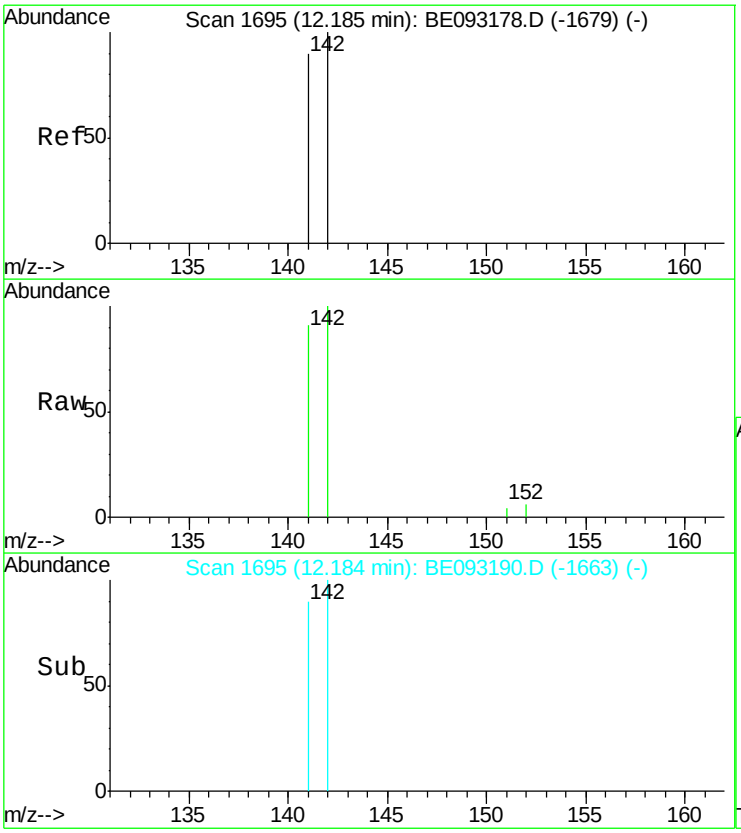
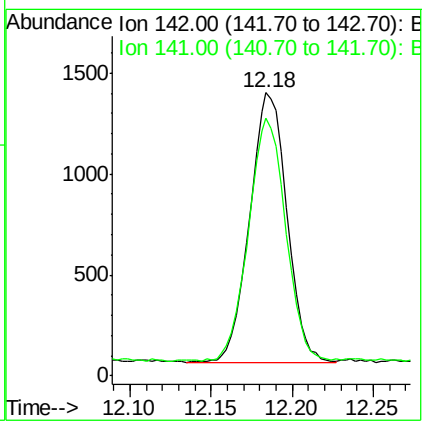


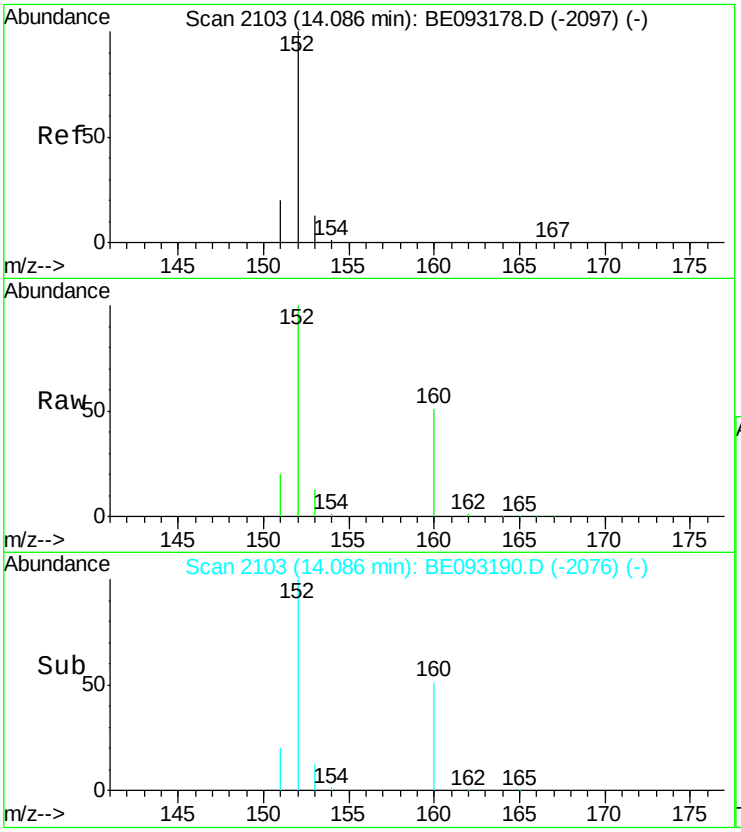




#5
2-Methylnaphthalene
Concen: 0.066 ng/ul
RT: 12.18 min Scan# 1695
Delta R.T. -0.00 min
Lab File: BE093190.D
Acq: 15 Jun 2017 3:46

Tgt Ion:142 Resp: 2133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.7 | 72.6 | 108.8 |

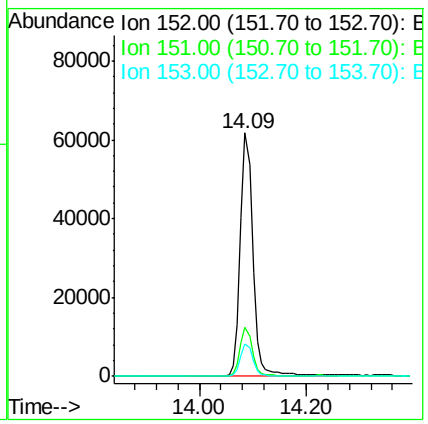





#7
Acenaphthylene
Concen: 1.954 ng/ul
RT: 14.09 min Scan# 2103
Delta R.T. -0.00 min
Lab File: BE093190.D
Acq: 15 Jun 2017 3:46

Tgt Ion:152 Resp: 99812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.3 | 17.1 | 25.7 |
| 153 | 13.3 | 12.8 | 19.2 |




**Instrument :**
BNA_E
**ClientSampleId :**
F5C30

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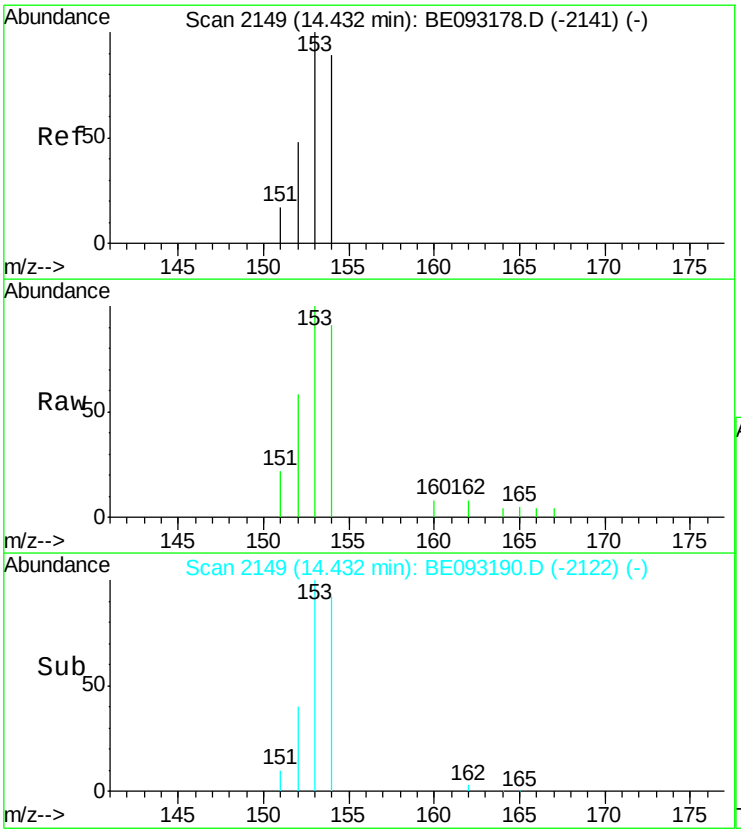
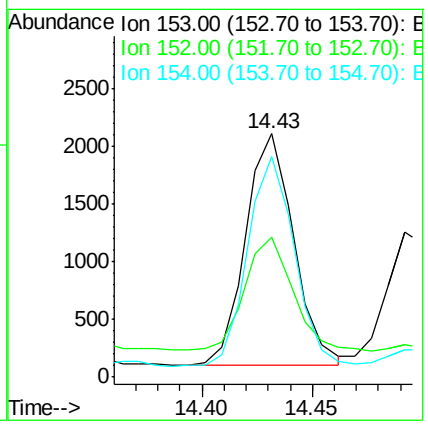
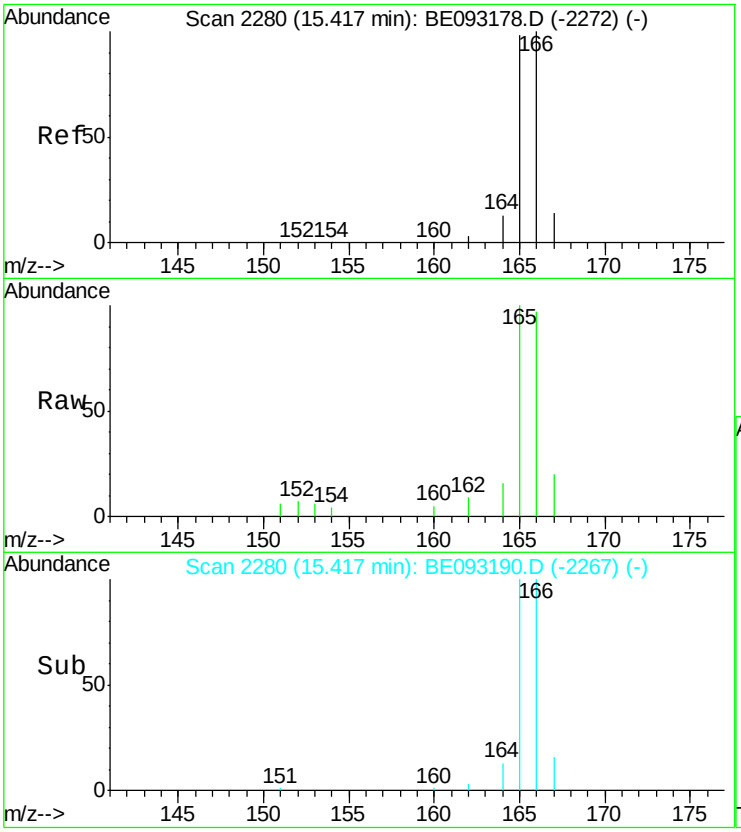



#8
Acenaphthene
Concen: 0.074 ng/ul
RT: 14.43 min Scan# 2149
Delta R.T. -0.00 min
Lab File: BE093190.D
Acq: 15 Jun 2017 3:46

Tgt Ion:153 Resp: 3039

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 57.7 | 40.3 | 60.5 |
| 154 | 90.7 | 71.4 | 107.2 |

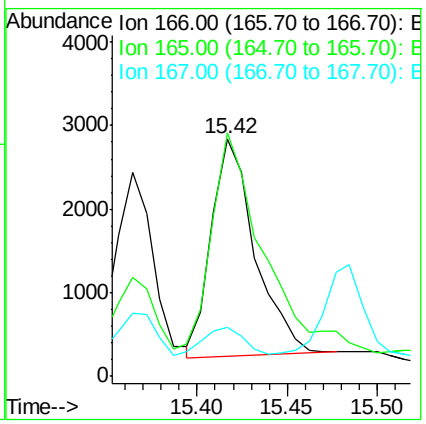





#9
Fluorene
Concen: 0.091 ng/ul
RT: 15.42 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BE093190.D
Acq: 15 Jun 2017 3:46

Tgt Ion:166 Resp: 4384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 102.6 | 73.4 | 110.2 |
| 167 | 20.9 | 14.6 | 22.0 |




**Instrument :**
BNA_E
**ClientSampleId :**
F5C30

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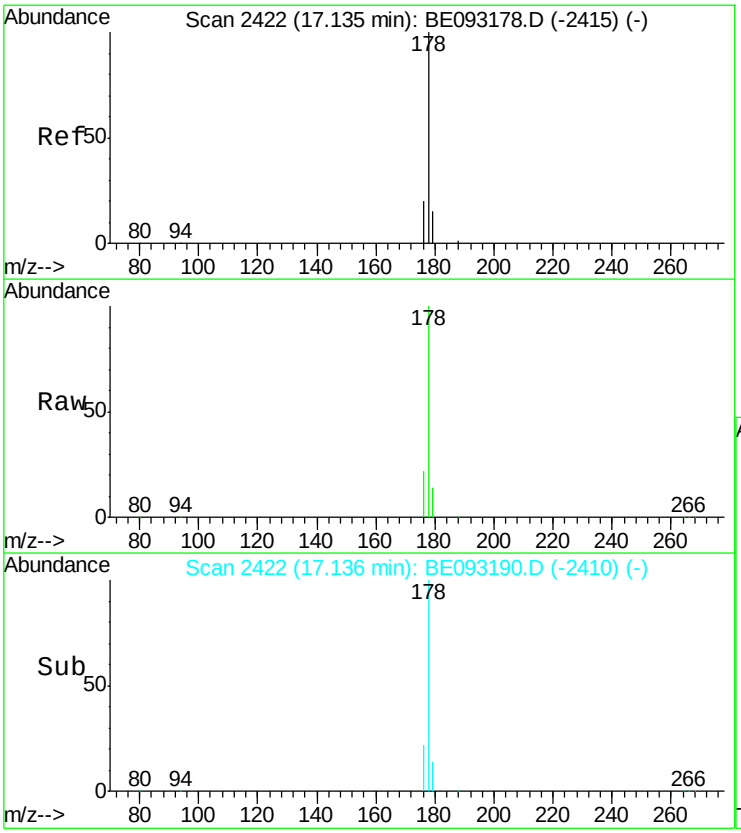
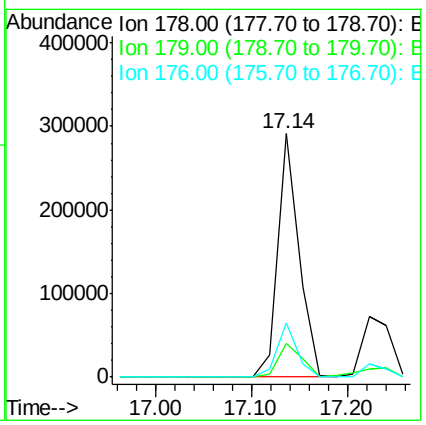
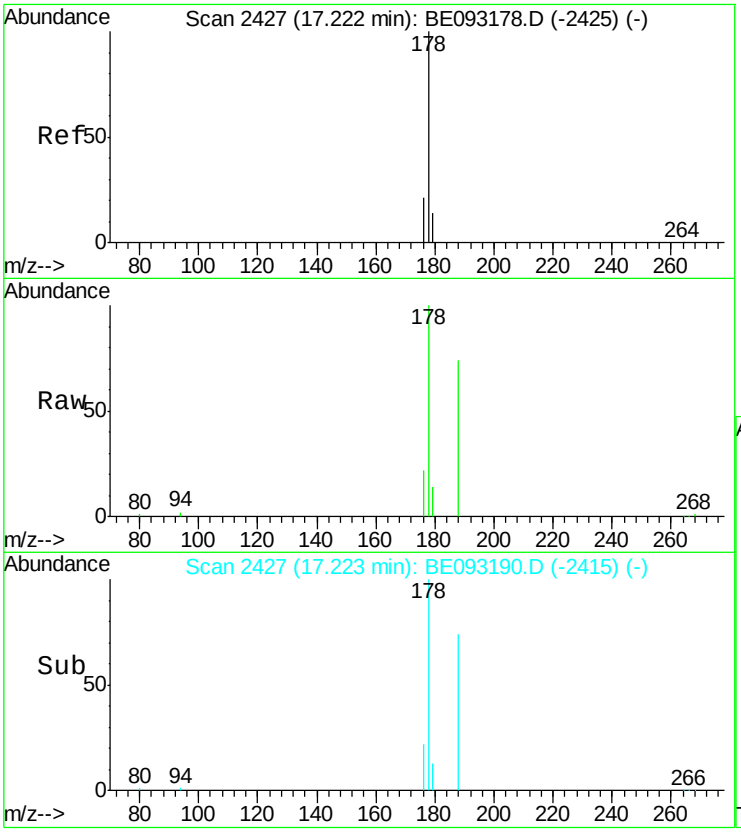



#12
Phenanthrene
Concen: 5.798 ng/ul
RT: 17.14 min Scan# 2422
Delta R.T. 0.00 min
Lab File: BE093190.D
Acq: 15 Jun 2017 3:46

Tgt Ion:178 Resp: 443592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 14.0 | 18.4 | 27.6# |
| 176 | 22.3 | 13.6 | 20.4# |

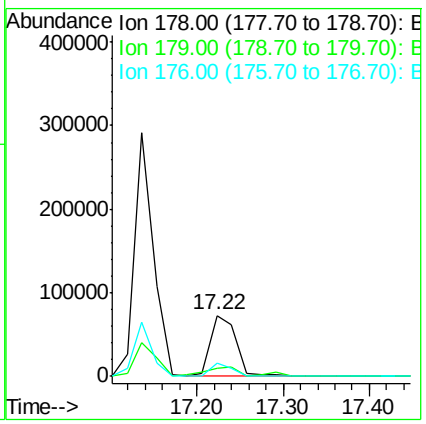





#13
Anthracene
Concen: 2.260 ng/ul
RT: 17.22 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BE093190.D
Acq: 15 Jun 2017 3:46

Tgt Ion:178 Resp: 150539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 13.8 | 18.1 | 27.1# |
| 176 | 22.0 | 14.7 | 22.1 |




**Instrument :**
BNA_E
**ClientSampleId :**
F5C30

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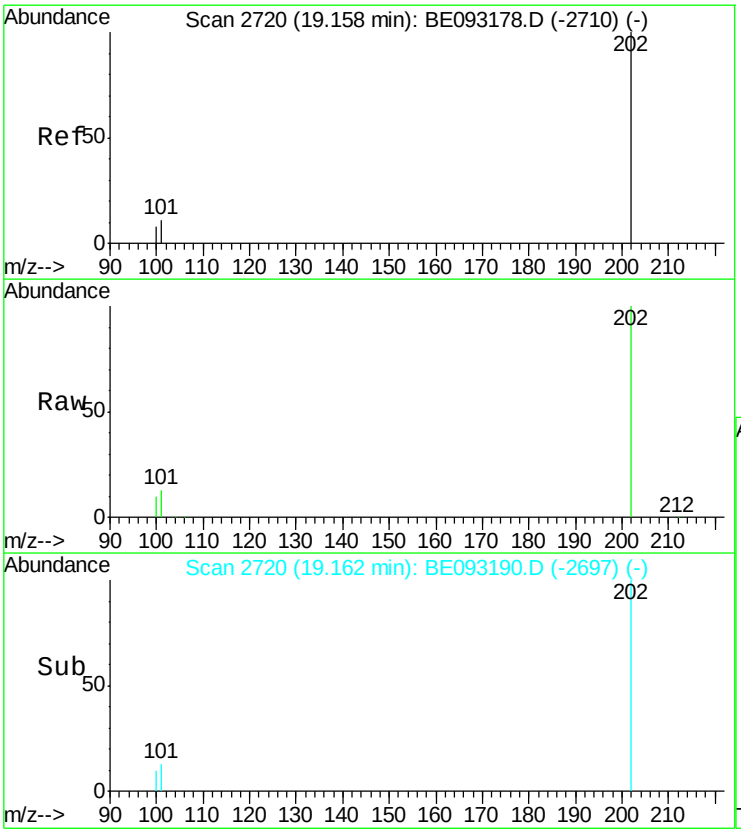
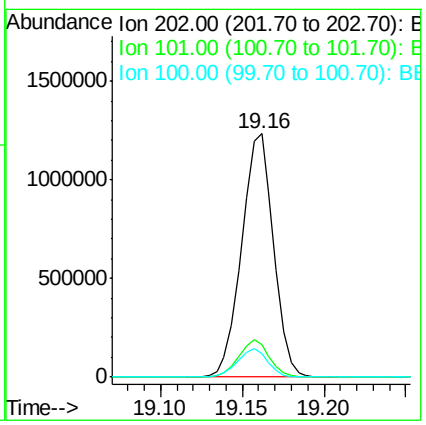
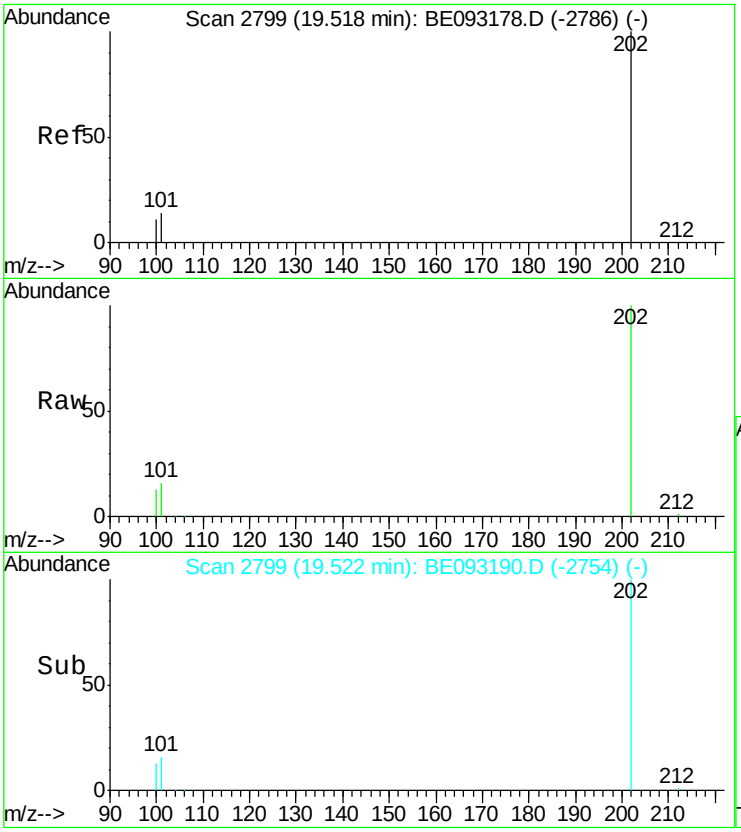



#15
Fluoranthene
Concen: 17.752 ng/ul
RT: 19.16 min Scan# 2720
Delta R.T. 0.00 min
Lab File: BE093190.D
Acq: 15 Jun 2017 3:46

Tgt Ion:202 Resp: 1665659

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.4 | 0.0 | 30.3 |
| 100 | 9.7 | 0.0 | 39.5 |






#17
Pyrene
Concen: 16.429 ng/ul
RT: 19.52 min Scan# 2799
Delta R.T. 0.00 min
Lab File: BE093190.D
Acq: 15 Jun 2017 3:46

Tgt Ion:202 Resp: 1330673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.9 | 18.2 | 27.4# |
| 100 | 12.8 | 15.6 | 23.4# |

**Instrument :**
BNA_E
**ClientSampleId :**
F5C30

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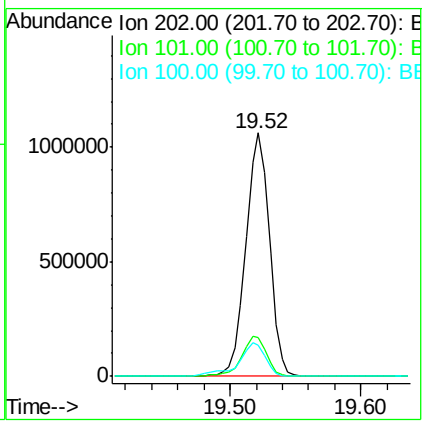
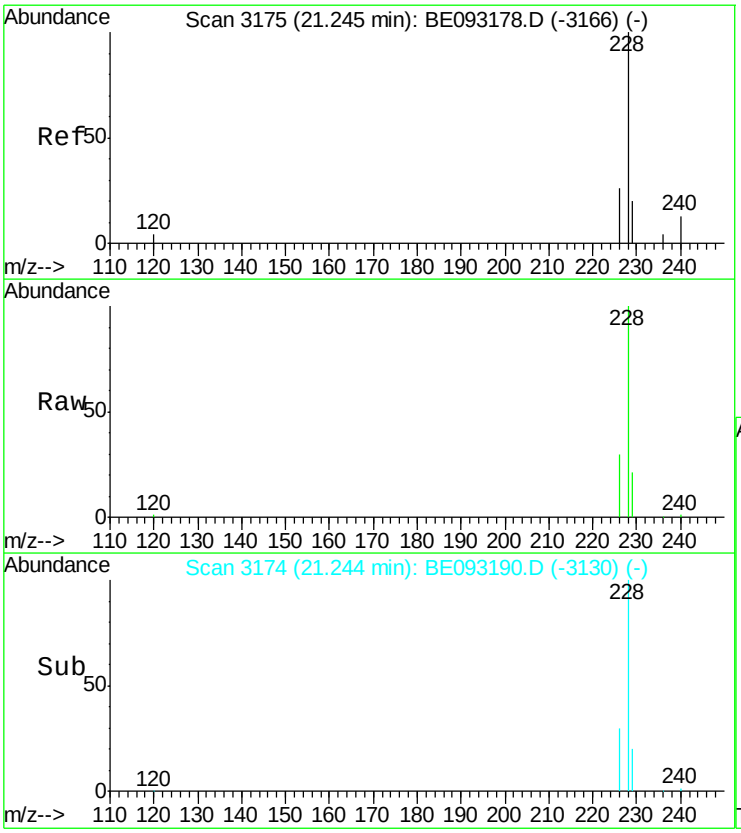
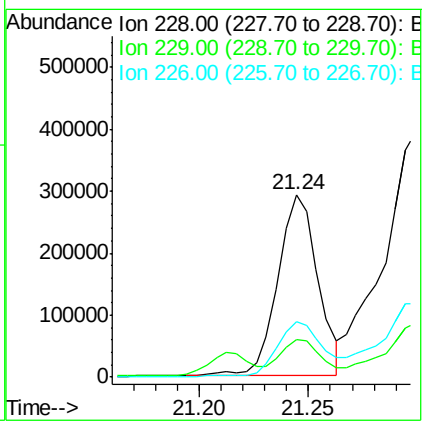


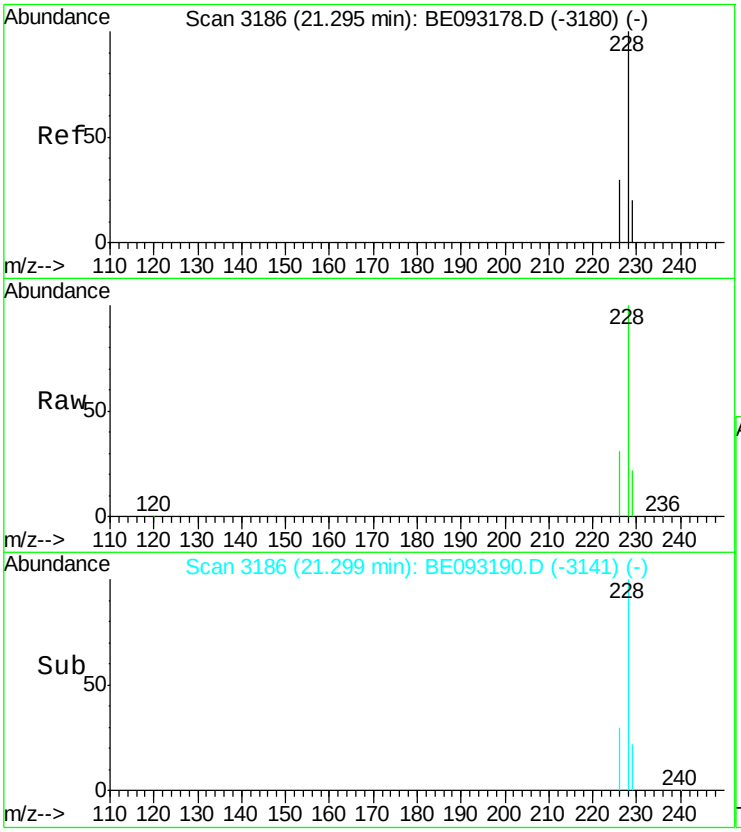




#18
Benzo(a)anthracene
Concen: 5.070 ng/ul
RT: 21.24 min Scan# 3174
Delta R.T. -0.00 min
Lab File: BE093190.D
Acq: 15 Jun 2017 3:46

Tgt Ion:228 Resp: 371419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.7 | 22.8 | 34.2# |
| 226 | 30.3 | 17.0 | 25.6# |

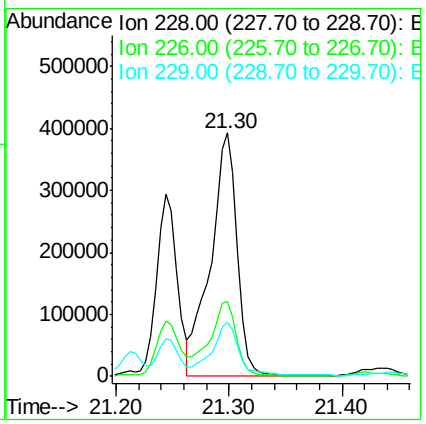





#19
Chrysene
Concen: 8.334 ng/ul
RT: 21.30 min Scan# 3186
Delta R.T. 0.00 min
Lab File: BE093190.D
Acq: 15 Jun 2017 3:46

Tgt Ion:228 Resp: 633336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.6 | 23.4 | 35.0 |
| 229 | 22.1 | 17.7 | 26.5 |




**Instrument :**
BNA_E
**ClientSampleId :**
F5C30

**Manual Integrations APPROVED**
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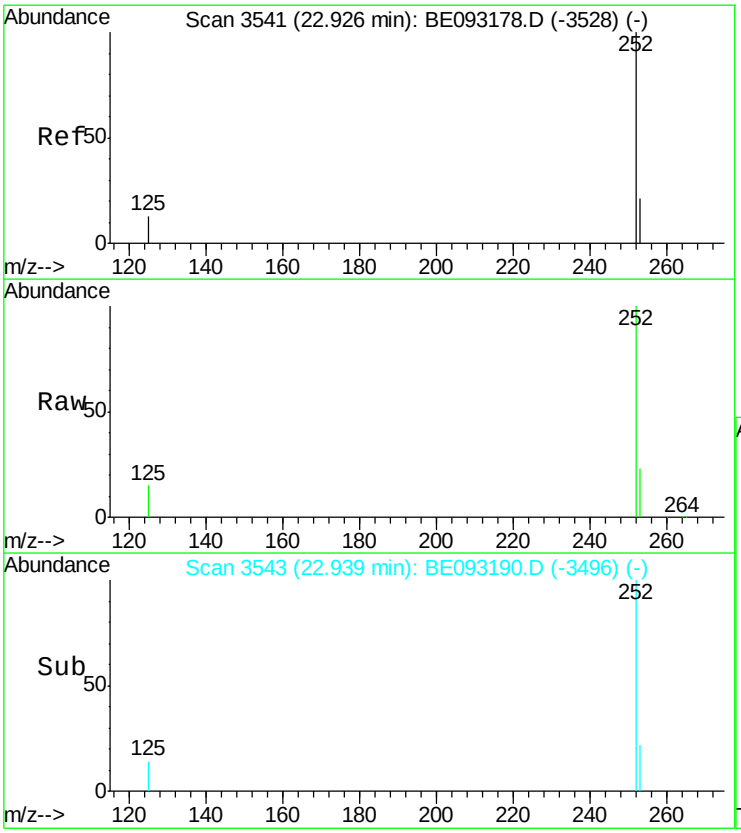
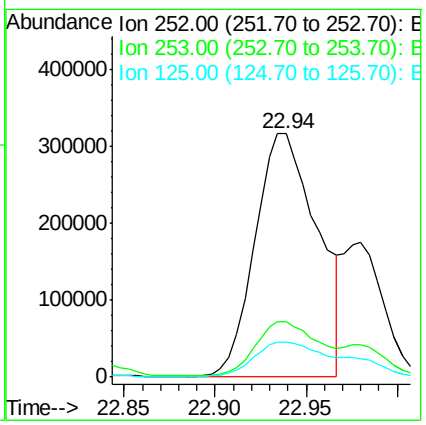
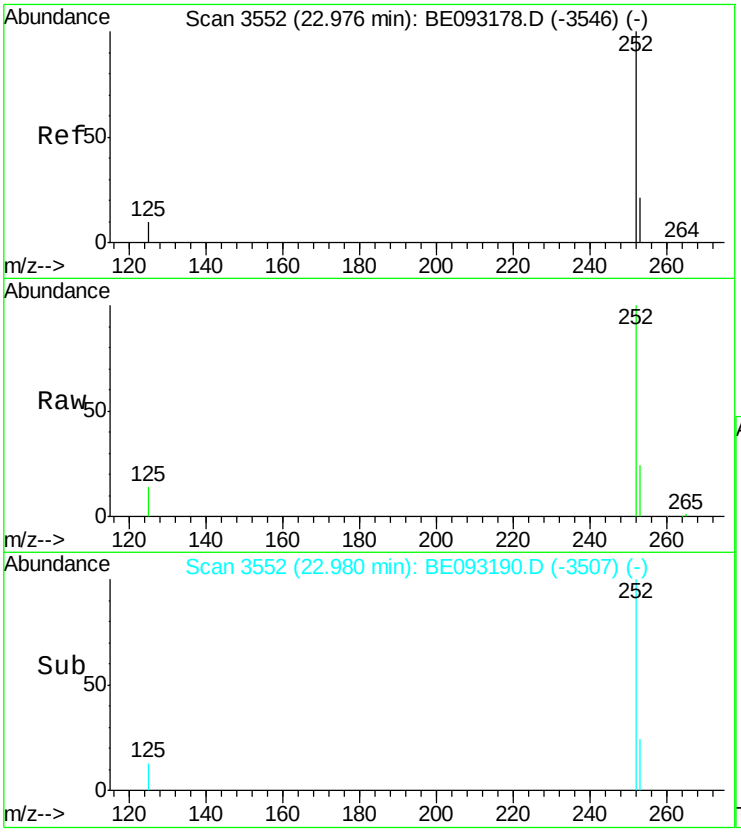



#21
Benzo(b)fluoranthene
Concen: 11.017 ng/ul
RT: 22.94 min Scan# 3543
Delta R.T. 0.01 min
Lab File: BE093190.D
Acq: 15 Jun 2017 3:46

Tgt Ion:252 Resp: 754376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 0.0 | 64.2 |
| 125 | 14.6 | 0.0 | 35.0 |






#22
Benzo(k)fluoranthene
Concen: 3.737 ng/ul m
RT: 22.98 min Scan# 3552
Delta R.T. 0.00 min
Lab File: BE093190.D
Acq: 15 Jun 2017 3:46

Tgt Ion:252 Resp: 271792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.2 | 24.5 | 36.7# |
| 125 | 14.0 | 13.7 | 20.5 |

**Instrument :**
BNA_E
**ClientSampleId :**
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**Manual Integrations APPROVED**
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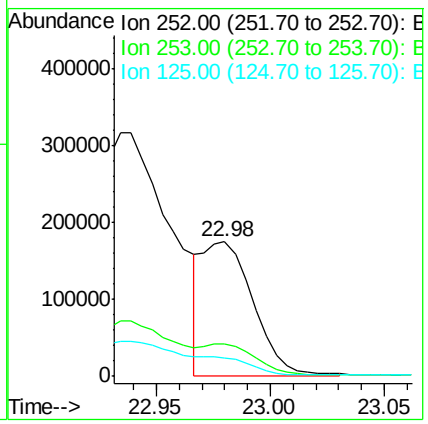
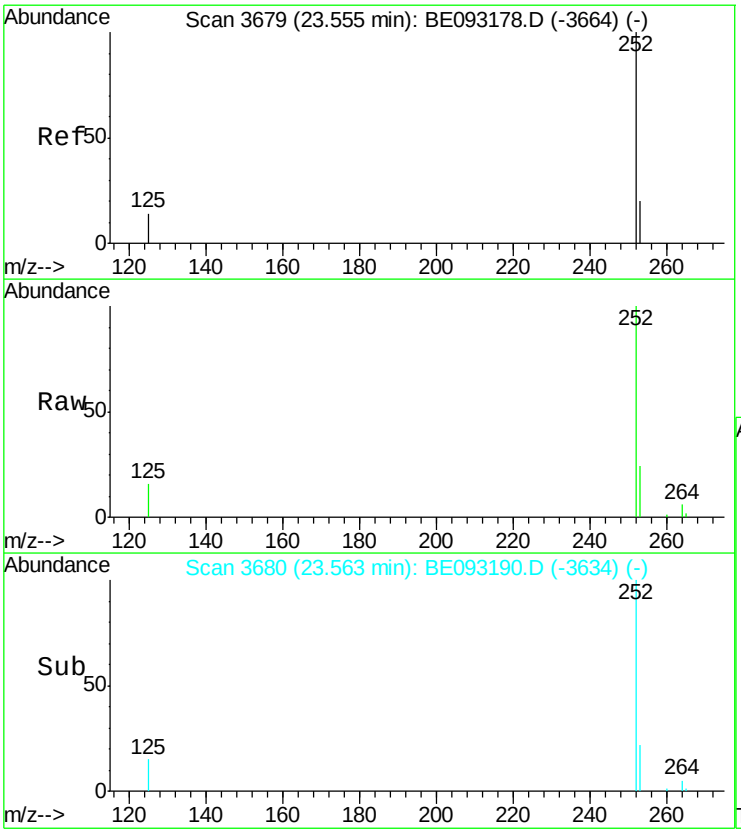
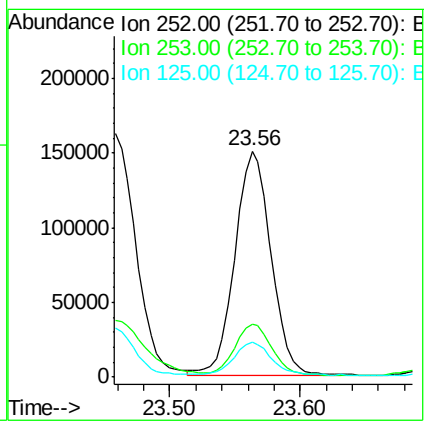


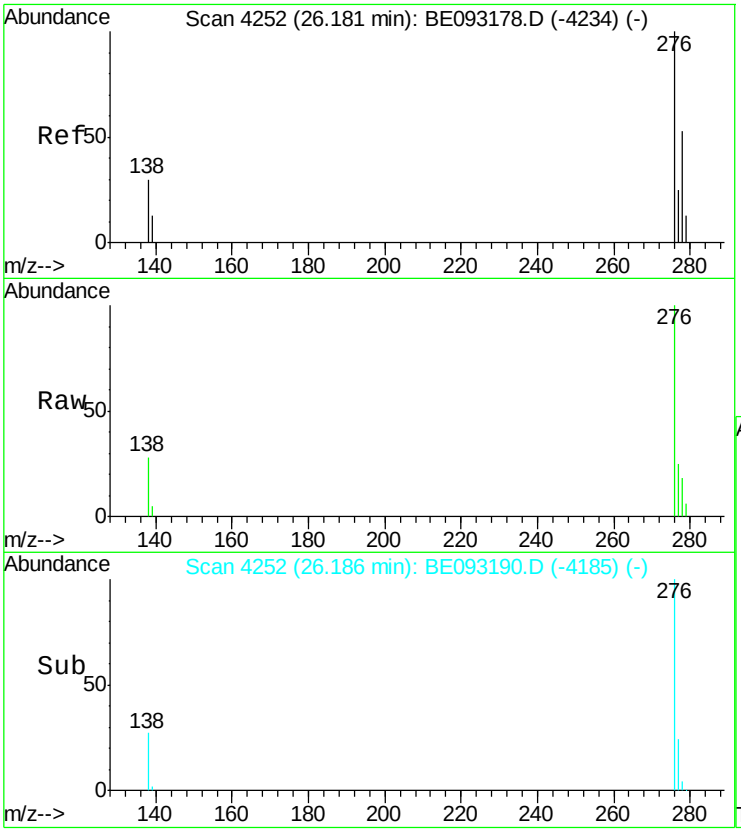




#23
Benzo(a)pyrene
Concen: 4.479 ng/ul m
RT: 23.56 min Scan# 3680
Delta R.T. 0.01 min
Lab File: BE093190.D
Acq: 15 Jun 2017 3:46

Tgt Ion:252 Resp: 289979

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 28.5 | 42.7# |
| 125 | 15.6 | 18.1 | 27.1# |






#24
Indeno(1,2,3-cd)pyrene
Concen: 3.367 ng/ul m
RT: 26.19 min Scan# 4252
Delta R.T. 0.01 min
Lab File: BE093190.D
Acq: 15 Jun 2017 3:46

Tgt Ion:276 Resp: 252384

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 3.3 | 28.0 | 42.0# |
| 227 | 0.0 | 8.0 | 12.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
F5C30

**Manual Integrations APPROVED**
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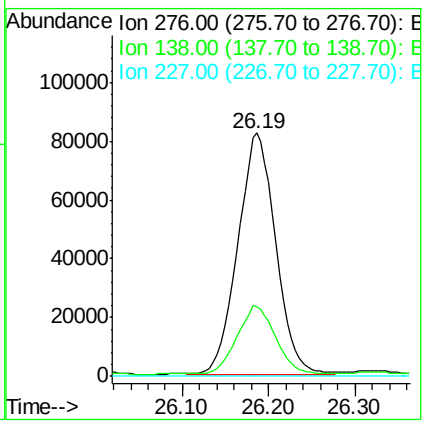
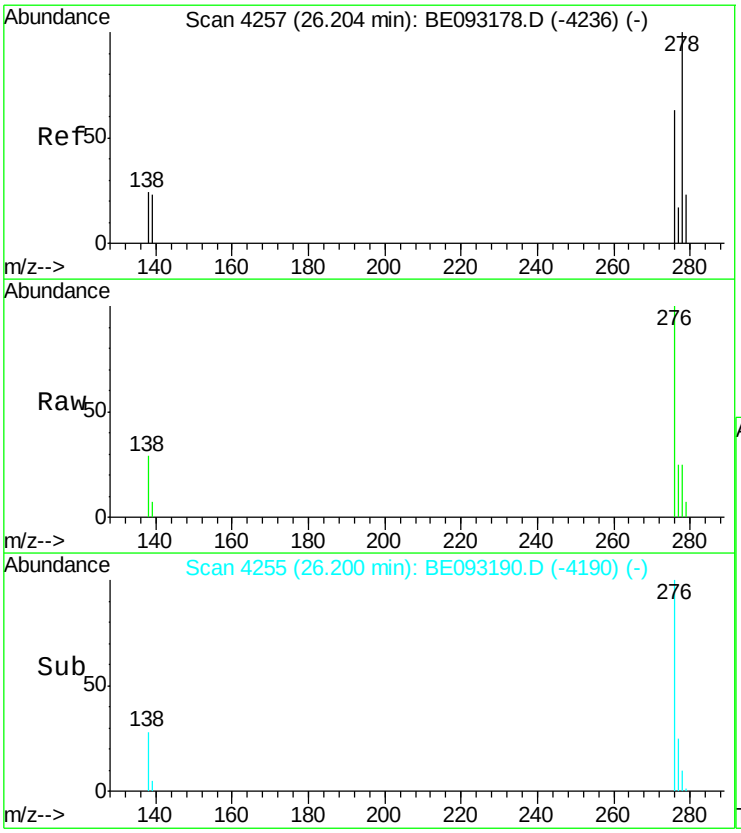
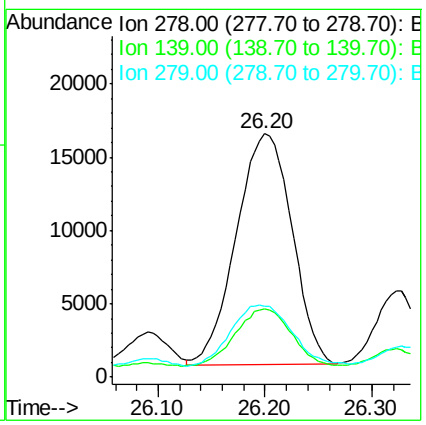


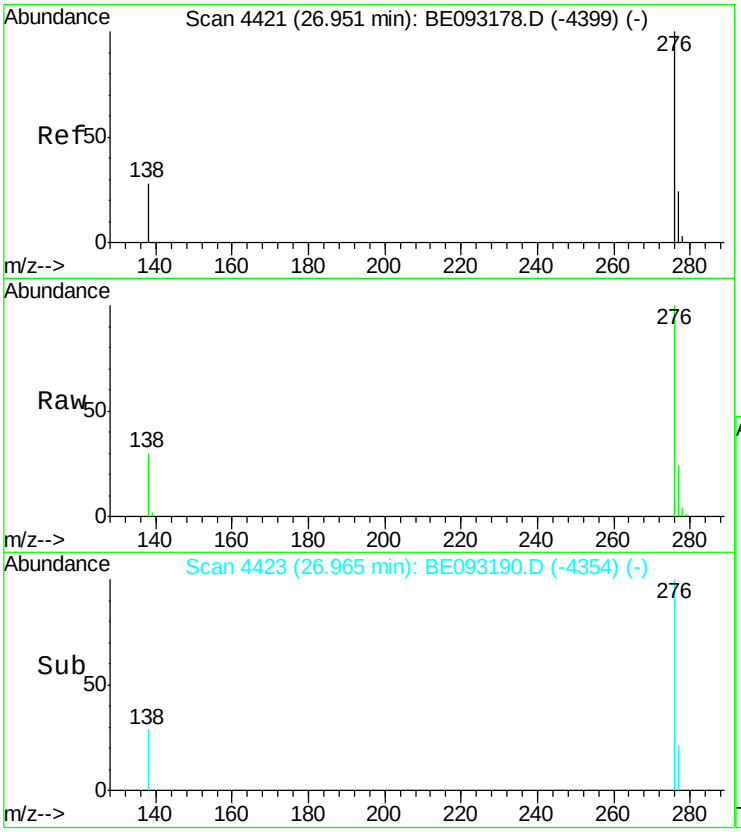




#25
Dibenzo(a,h)anthracene
Concen: 0.908 ng/ul m
RT: 26.20 min Scan# 4255
Delta R.T. -0.00 min
Lab File: BE093190.D
Acq: 15 Jun 2017 3:46

Tgt Ion:278 Resp: 57301

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 28.1 | 17.4 | 26.0# |
| 279 | 29.2 | 25.9 | 38.9 |

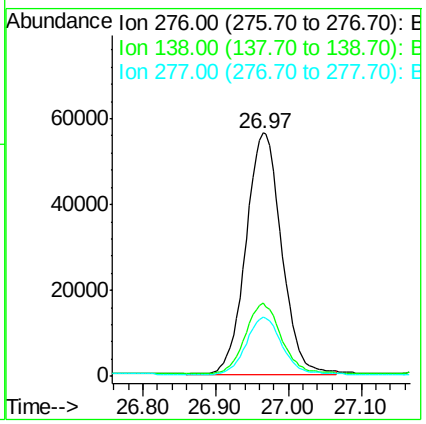





#26
Benzo(g,h,i)perylene
Concen: 2.953 ng/ul
RT: 26.97 min Scan# 4423
Delta R.T. 0.01 min
Lab File: BE093190.D
Acq: 15 Jun 2017 3:46

Tgt Ion:276 Resp: 189830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 30.0 | 21.8 | 32.8 |
| 277 | 24.2 | 20.5 | 30.7 |




**Instrument :**
BNA_E
**ClientSampleId :**
F5C30

**Manual Integrations APPROVED**
mohammad
6/15/2017 3:54:05 PM