Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061517\
Data File : BE093229.D
Acq On : 16 Jun 2017 3:56
Operator : SJ/MA
Sample : I3521-16DL 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** F5C36DL

**Manual Integrations APPROVED**
mohammad
6/19/2017 11:07:22 AM

Quant Time: Jun 16 06:08:17 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE060717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 16 05:36:31 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.74 | 152 | 2979 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.52 | 136 | 14985 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.37 | 164 | 8470 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.10 | 188 | 20763 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.26 | 240 | 21060 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.67 | 264 | 18626 | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.11 | 152 | 809 | 0.04 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.13 | 212 | 2093 | 0.04 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.56 | 128 | 2064 | 0.056 | ng/ul# | 93 |
| 5) 2-Methylnaphthalene | 12.18 | 142 | 488 | 0.019 | ng/ul | 95 |
| 7) Acenaphthylene | 14.09 | 152 | 8724 | 0.240 | ng/ul | 97 |
| 8) Acenaphthene | 14.42 | 153 | 444 | 0.015 | ng/ul# | 86 |
| 12) Phenanthrene | 17.14 | 178 | 29367 | 0.514 | ng/ul# | 88 |
| 13) Anthracene | 17.22 | 178 | 11133 | 0.224 | ng/ul# | 88 |
| 15) Fluoranthene | 19.15 | 202 | 124471 | 1.777 | ng/ul | 84 |
| 17) Pyrene | 19.51 | 202 | 130221 | 2.097 | ng/ul# | 87 |
| 18) Benzo(a)anthracene | 21.24 | 228 | 61557 | 1.096 | ng/ul# | 85 |
| 19) Chrysene | 21.29 | 228 | 82774 | 1.420 | ng/ul | 97 |
| 21) Benzo(b)fluoranthene | 22.93 | 252 | 128321m | 2.270 | ng/ul | |
| 22) Benzo(k)fluoranthene | 22.98 | 252 | 45729m | 0.762 | ng/ul | |
| 23) Benzo(a)pyrene | 23.56 | 252 | 56378 | 1.055 | ng/ul# | 82 |
| 24) Indeno(1,2,3-cd)pyrene | 26.18 | 276 | 39175 | 0.633 | ng/ul# | 86 |
| 25) Dibenzo(a,h)anthracene | 26.19 | 278 | 9841 | 0.189 | ng/ul# | 88 |
| 26) Benzo(g,h,i)perylene | 26.96 | 276 | 29915 | 0.564 | ng/ul | 96 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061517\
Data File : BE093229.D
Acq On : 16 Jun 2017 3:56
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Sample : I3521-16DL 10X
Misc :
ALS Vial : 23 Sample Multiplier: 1

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Response via : Initial Calibration

**Instrument :**
BNA_E
**ClientSampleId :**
F5C36DL

**Manual Integrations APPROVED**
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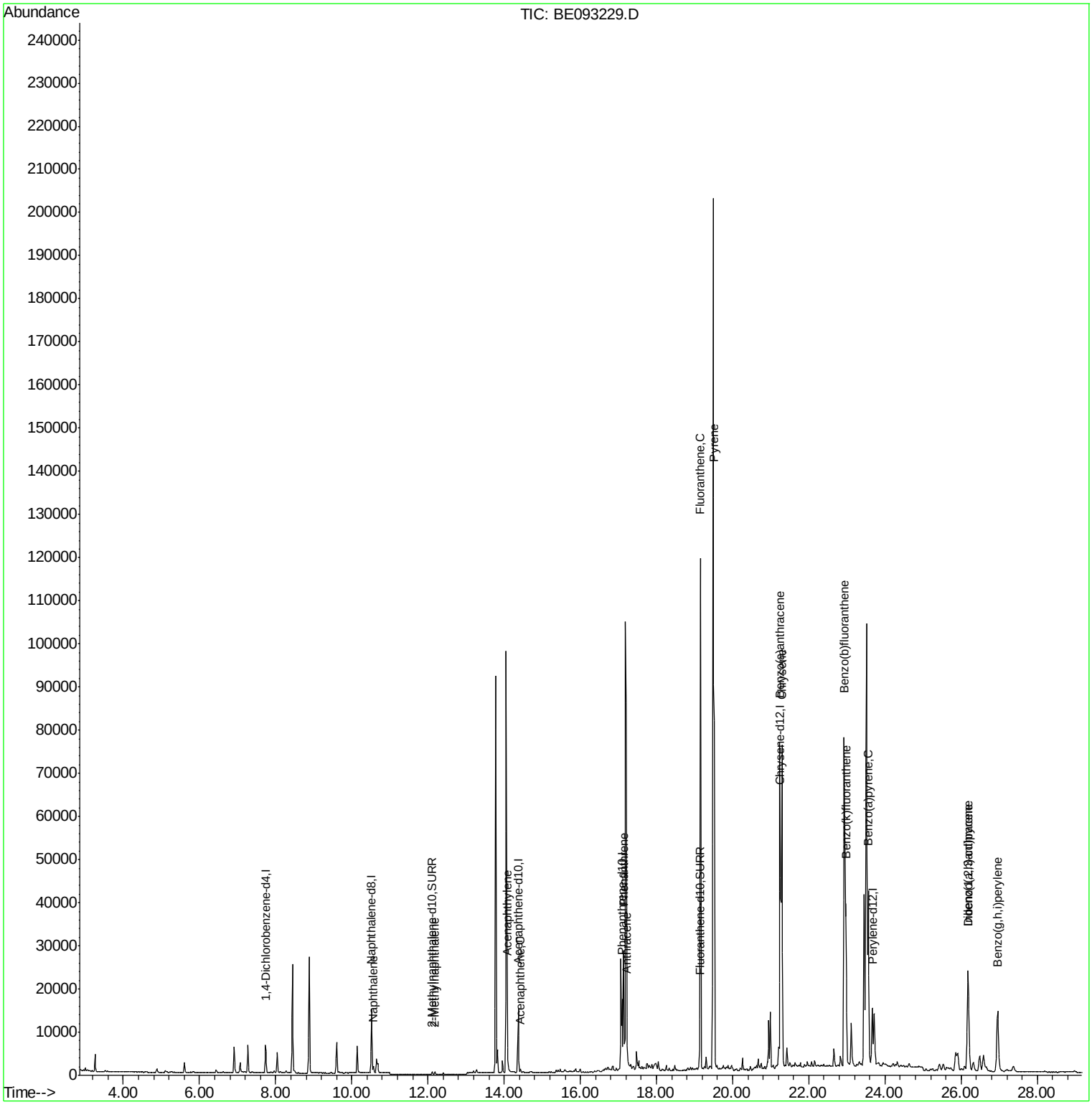

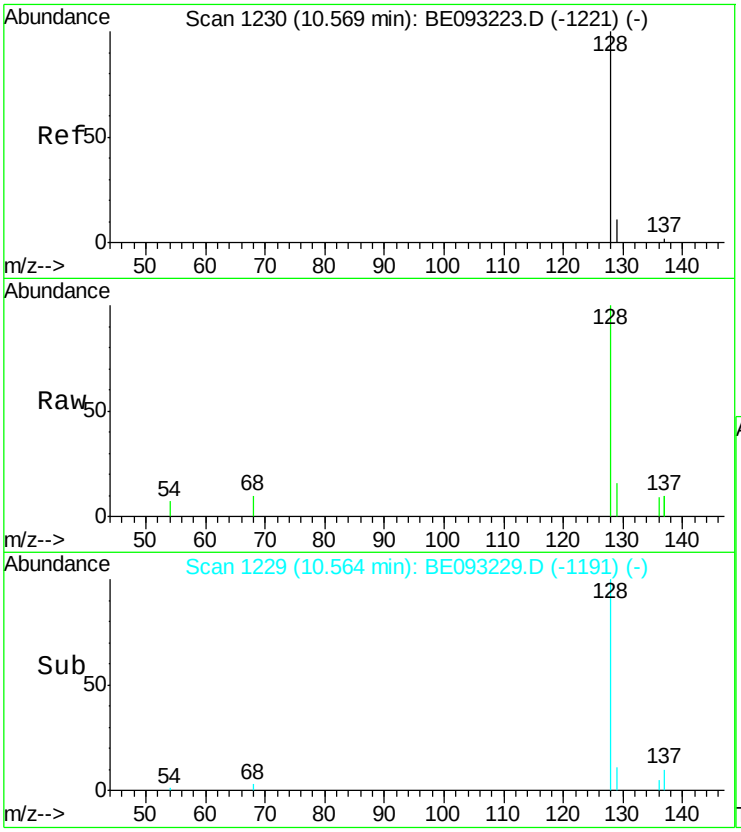


#3
Naphthalene
Concen: 0.056 ng/ul
RT: 10.56 min Scan# 1229
Delta R.T. -0.01 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

Tgt Ion:128 Resp: 2064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 15.9 | 11.3 | 16.9 |
| 127 | 0.0 | 4.0 | 6.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
F5C36DL

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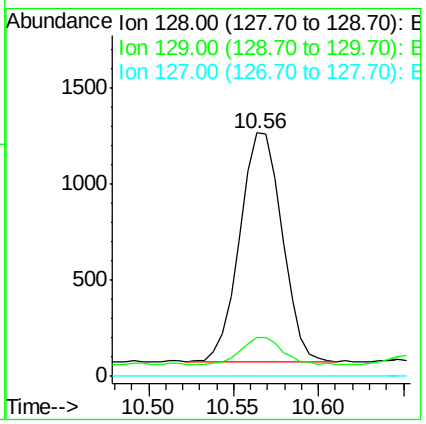
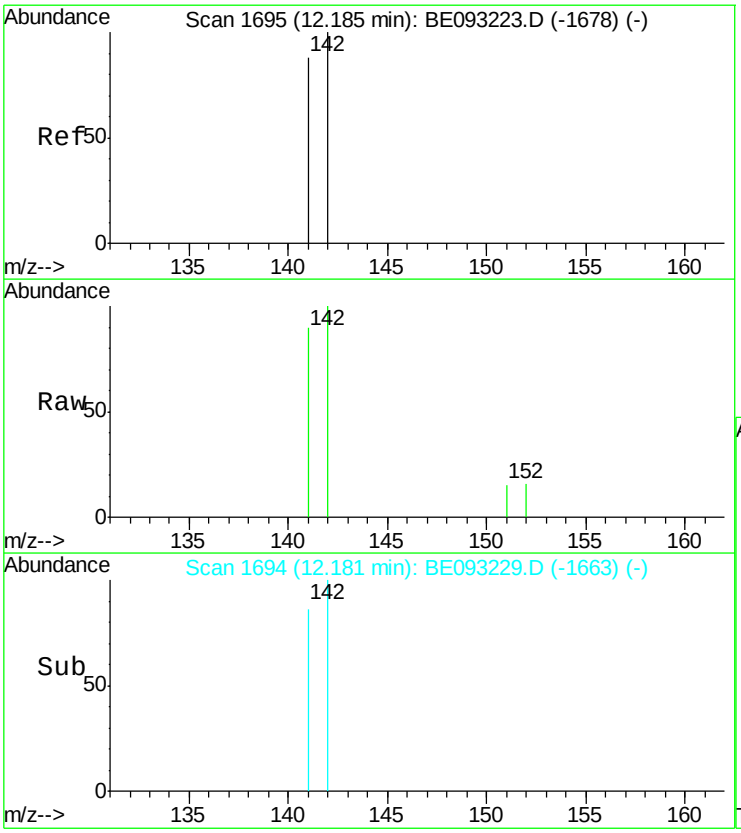
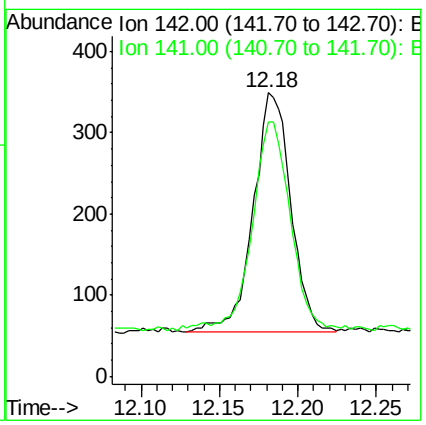


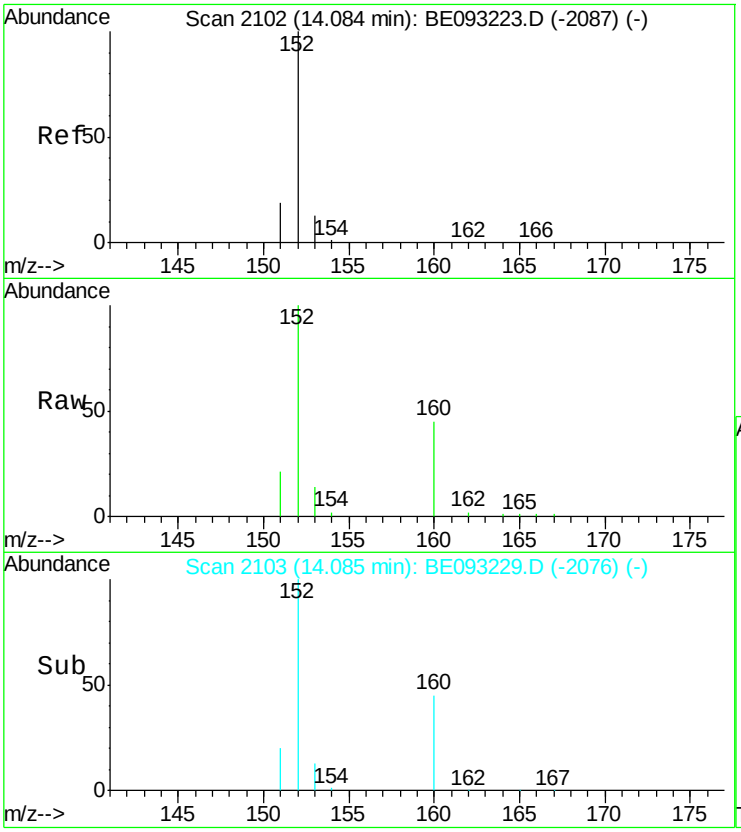




#5
2-Methylnaphthalene
Concen: 0.019 ng/ul
RT: 12.18 min Scan# 1694
Delta R.T. -0.00 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

Tgt Ion:142 Resp: 488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 85.9 | 72.6 | 108.8 |

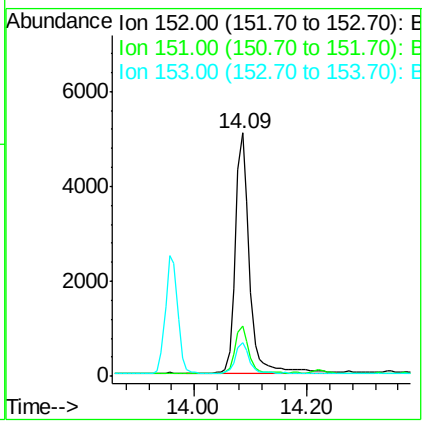





#7
Acenaphthylene
Concen: 0.240 ng/ul
RT: 14.09 min Scan# 2103
Delta R.T. 0.00 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

Tgt Ion:152 Resp: 8724

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 17.1 | 25.7 |
| 153 | 14.0 | 12.8 | 19.2 |




**Instrument :**
BNA_E
**ClientSampleId :**
F5C36DL

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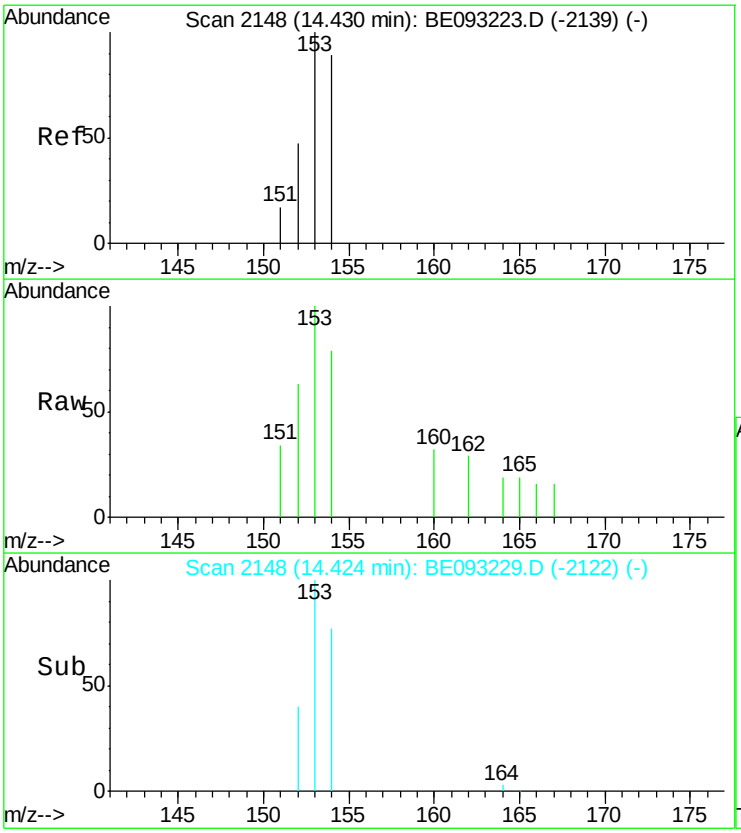
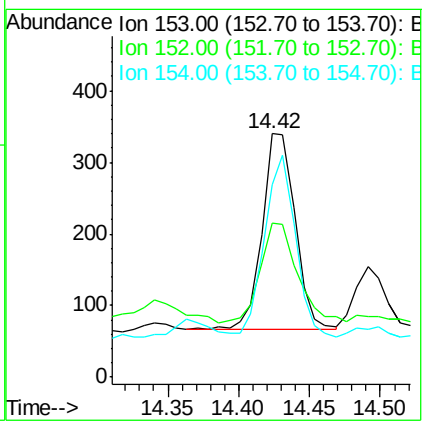
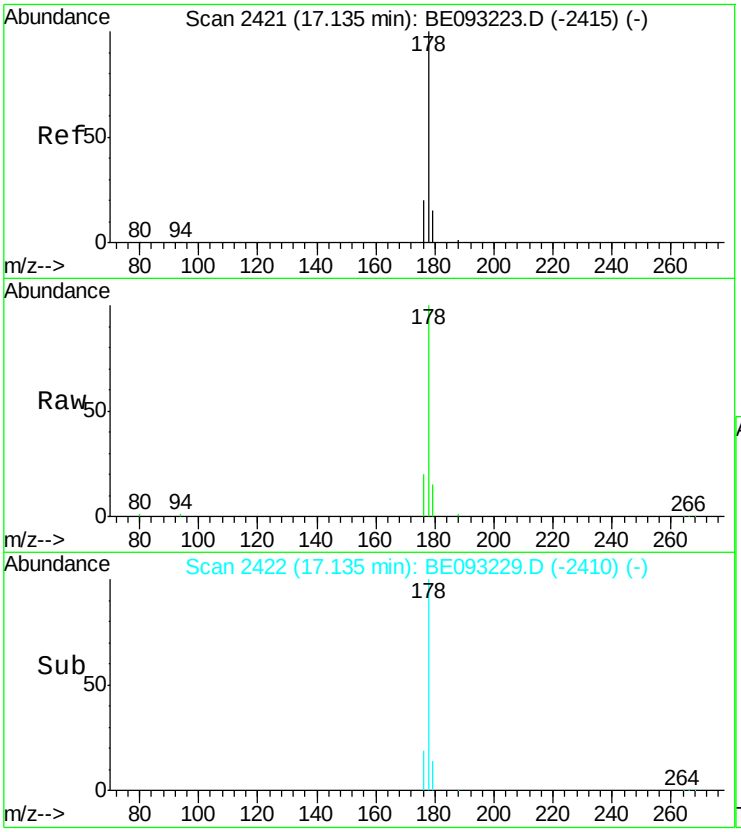



#8
Acenaphthene
Concen: 0.015 ng/ul
RT: 14.42 min Scan# 2148
Delta R.T. -0.01 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

Tgt Ion:153 Resp: 444

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 63.2 | 40.3 | 60.5# |
| 154 | 79.1 | 71.4 | 107.2 |






#12
Phenanthrene
Concen: 0.514 ng/ul
RT: 17.14 min Scan# 2422
Delta R.T. 0.00 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

Tgt Ion:178 Resp: 29367

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 14.9 | 18.4 | 27.6# |
| 176 | 19.9 | 13.6 | 20.4 |

**Instrument :**
BNA_E
**ClientSampleId :**
F5C36DL

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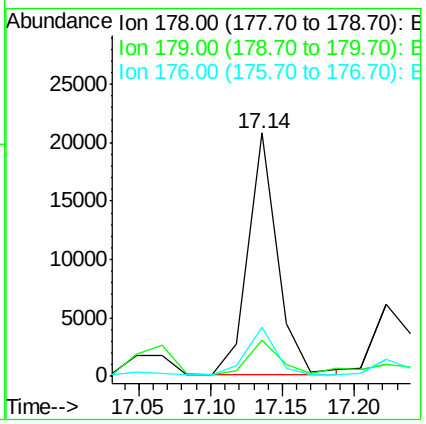
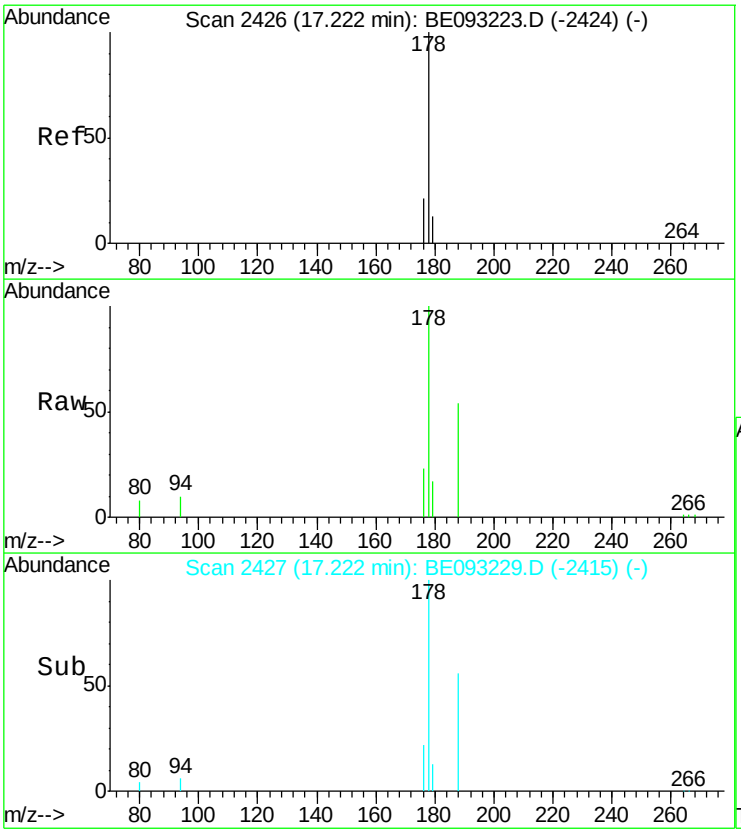
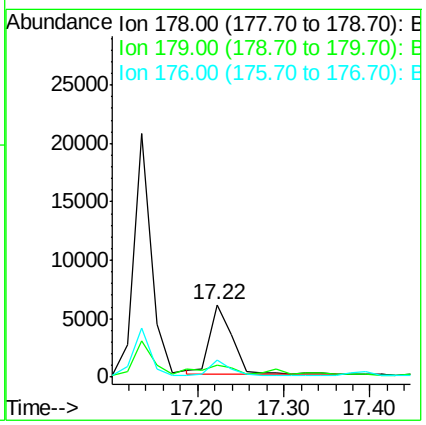


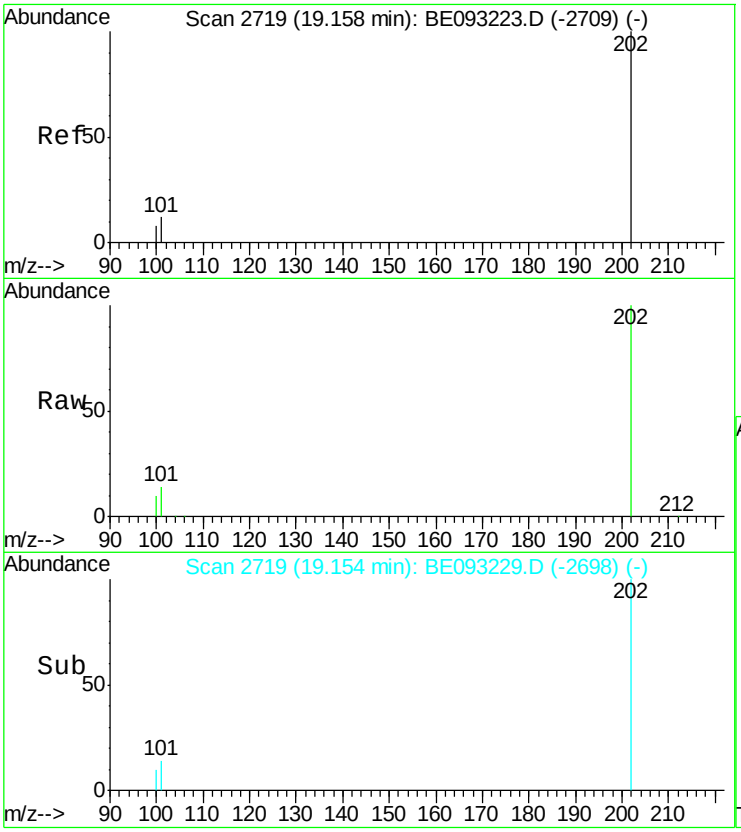




#13
Anthracene
Concen: 0.224 ng/ul
RT: 17.22 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

Tgt Ion:178 Resp: 11133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.5 | 18.1 | 27.1# |
| 176 | 22.9 | 14.7 | 22.1# |






#15
Fluoranthene
Concen: 1.777 ng/ul
RT: 19.15 min Scan# 2719
Delta R.T. -0.00 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

Tgt Ion:202 Resp: 124471

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.9 | 0.0 | 30.3 |
| 100 | 10.5 | 0.0 | 39.5 |

**Instrument :**
BNA_E
**ClientSampleId :**
F5C36DL

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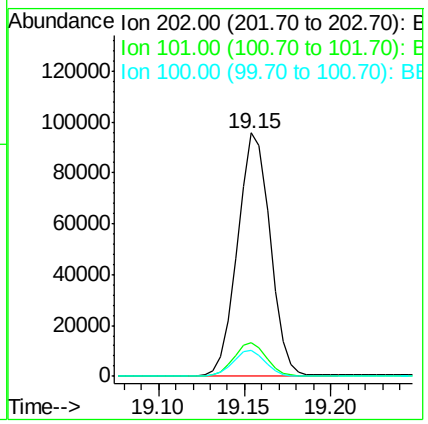
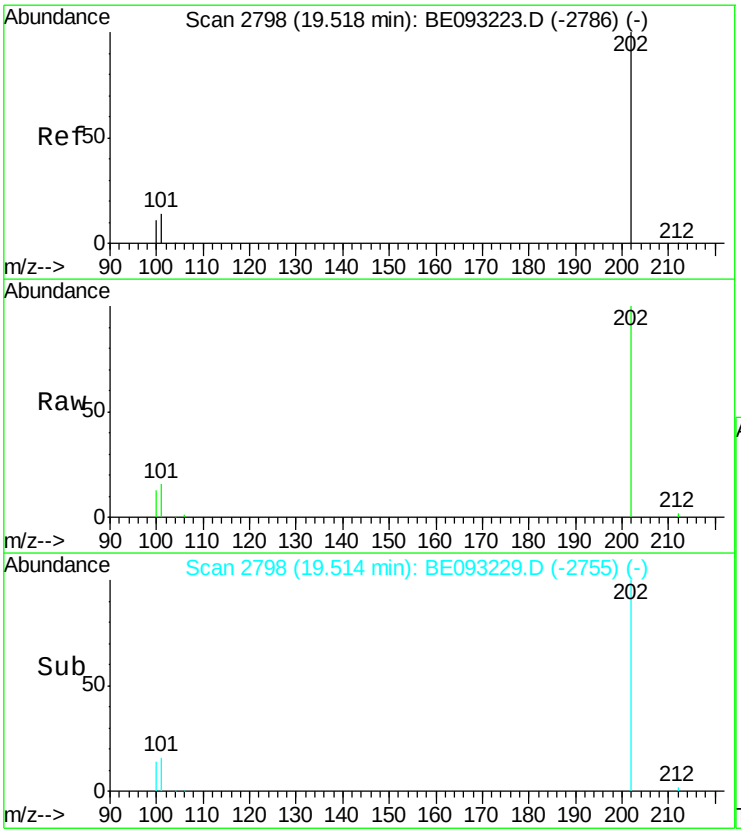
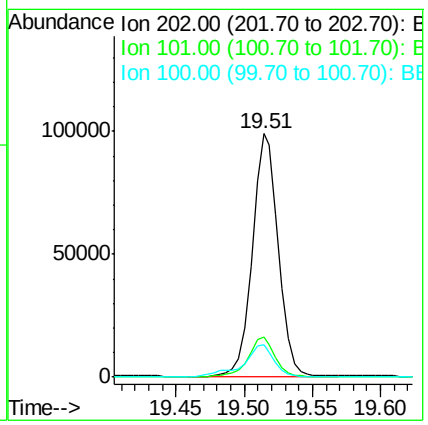


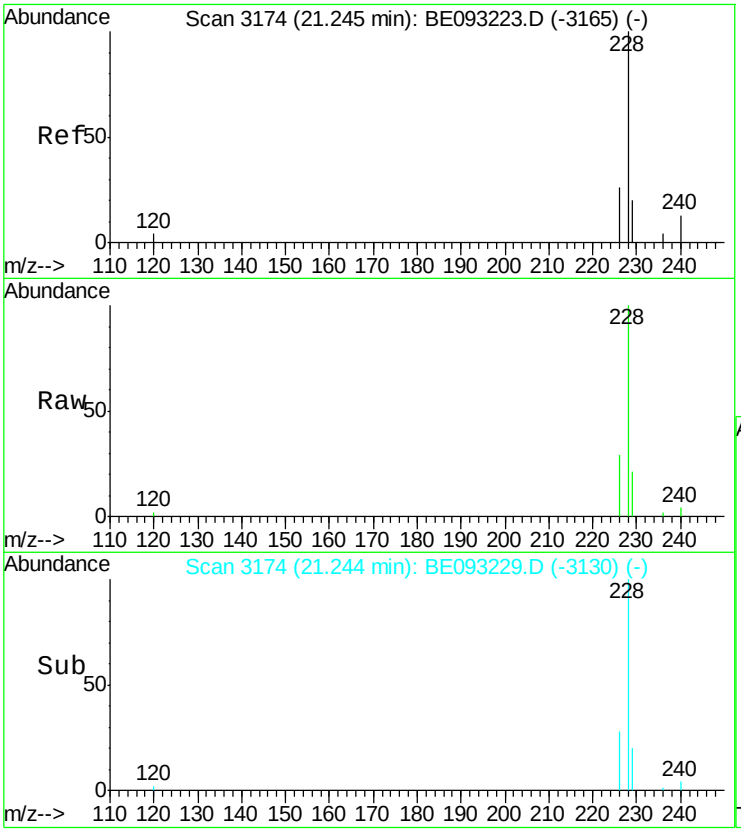




#17
Pyrene
Concen: 2.097 ng/ul
RT: 19.51 min Scan# 2798
Delta R.T. -0.00 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

Tgt Ion:202 Resp: 130221

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 16.3 | 18.2 | 27.4# |
| 100 | 13.5 | 15.6 | 23.4# |






#18
Benzo(a)anthracene
Concen: 1.096 ng/ul
RT: 21.24 min Scan# 3174
Delta R.T. -0.00 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

Tgt Ion:228 Resp: 61557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.4 | 22.8 | 34.2# |
| 226 | 29.0 | 17.0 | 25.6# |

**Instrument :**
BNA_E
**ClientSampleId :**
F5C36DL

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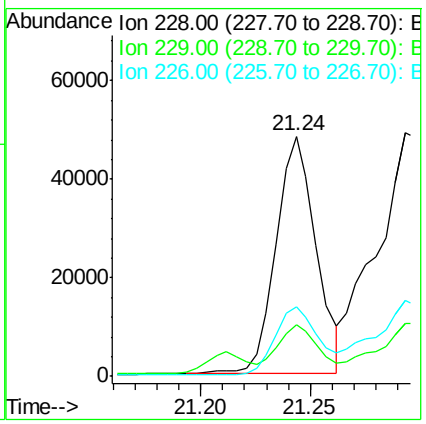
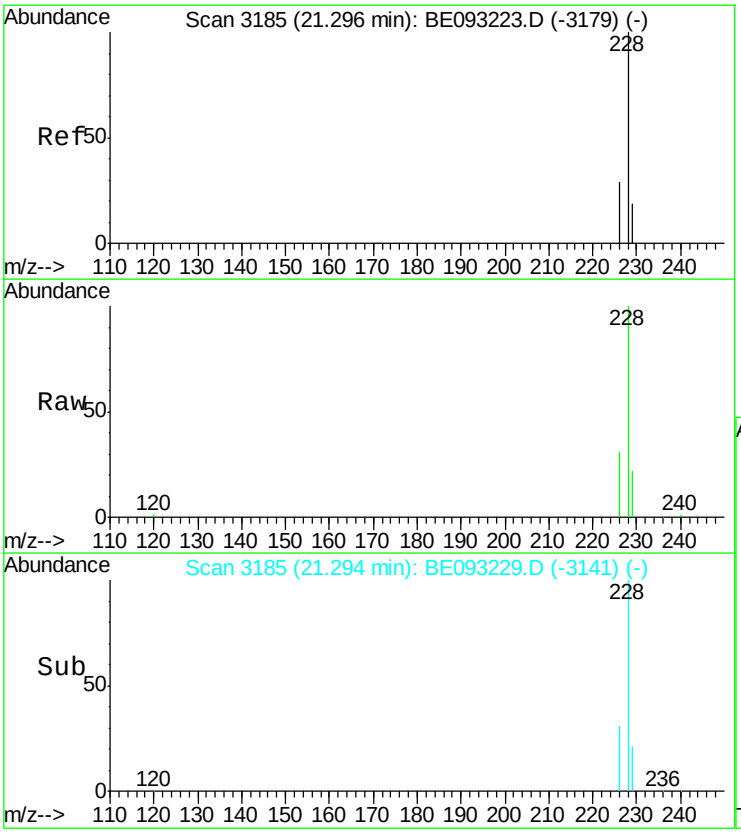
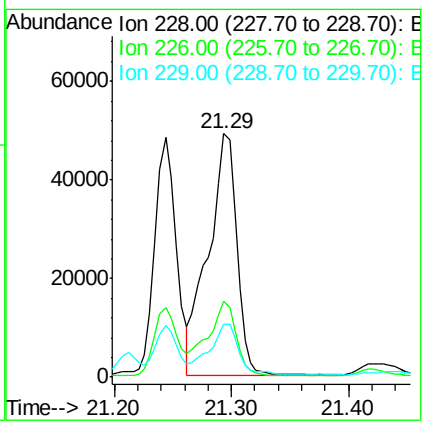


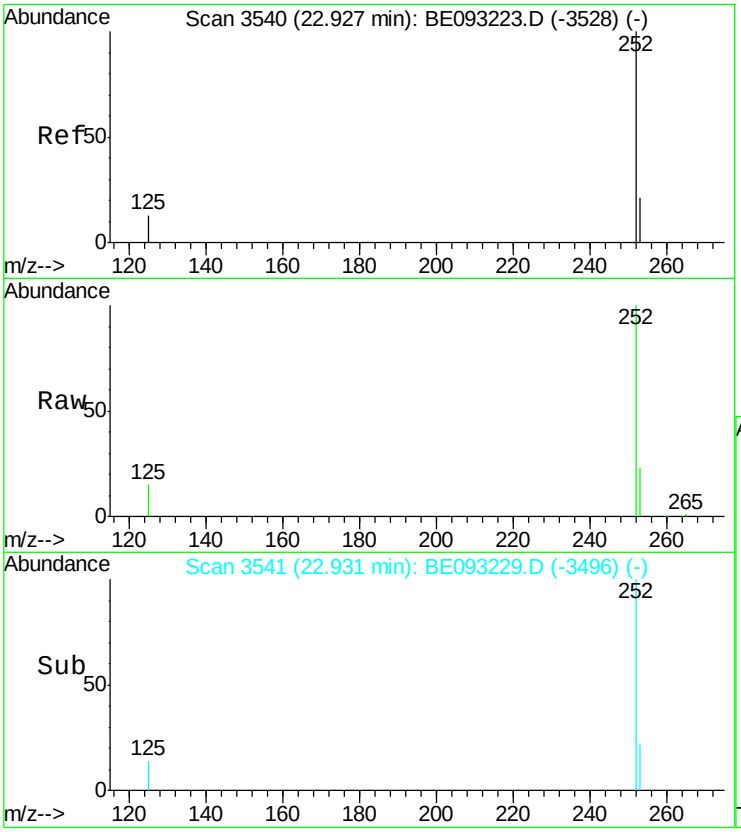




#19
Chrysene
Concen: 1.420 ng/ul
RT: 21.29 min Scan# 3185
Delta R.T. -0.00 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

Tgt Ion:228 Resp: 82774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.4 | 23.4 | 35.0 |
| 229 | 21.6 | 17.7 | 26.5 |

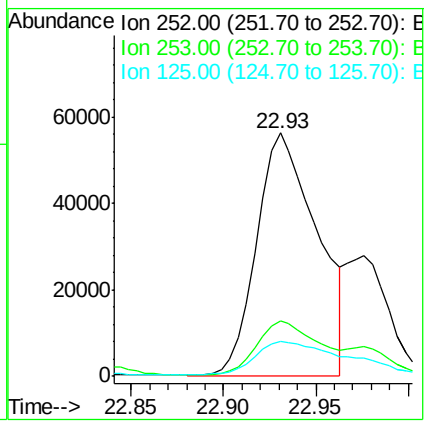





#21
Benzo(b)fluoranthene
Concen: 2.270 ng/ul m
RT: 22.93 min Scan# 3541
Delta R.T. 0.00 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

Tgt Ion:252 Resp: 128321

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.9 | 0.0 | 64.2 |
| 125 | 14.6 | 0.0 | 35.0 |




**Instrument :**
BNA_E
**ClientSampleId :**
F5C36DL

**Manual Integrations APPROVED**
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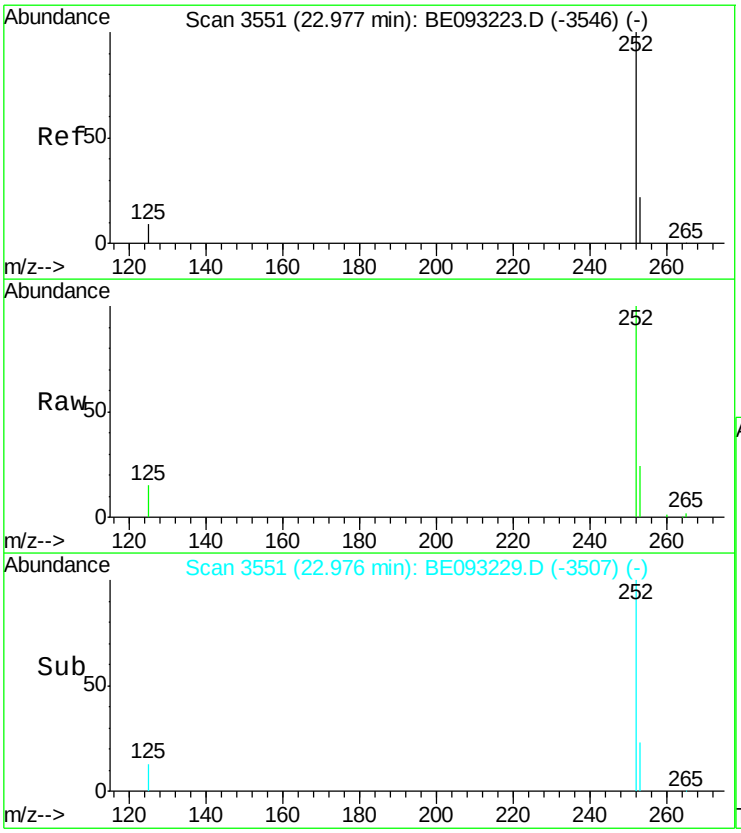
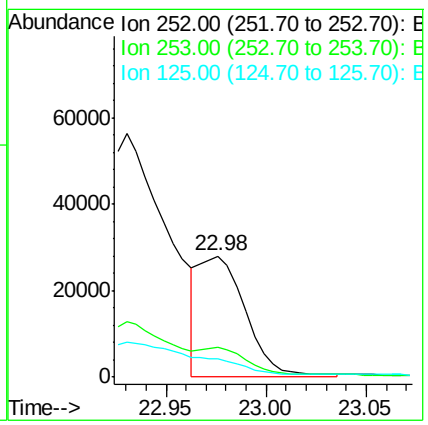
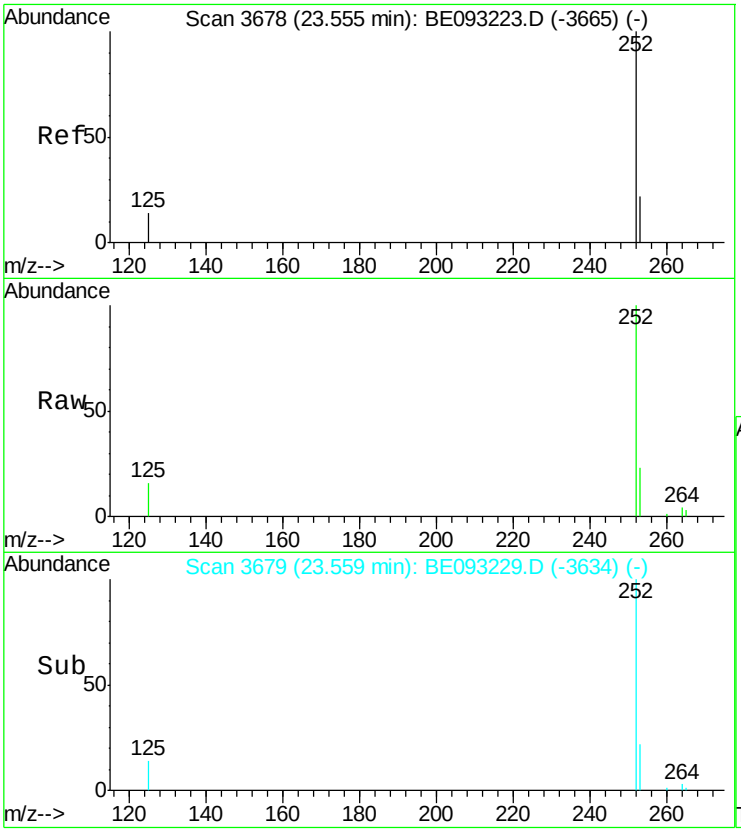



#22
Benzo(k)fluoranthene
Concen: 0.762 ng/ul m
RT: 22.98 min Scan# 3551
Delta R.T. -0.00 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

Tgt Ion:252 Resp: 45729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.3 | 24.5 | 36.7# |
| 125 | 14.9 | 13.7 | 20.5 |






#23
Benzo(a)pyrene
Concen: 1.055 ng/ul
RT: 23.56 min Scan# 3679
Delta R.T. 0.00 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

Tgt Ion:252 Resp: 56378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.5 | 28.5 | 42.7# |
| 125 | 15.9 | 18.1 | 27.1# |

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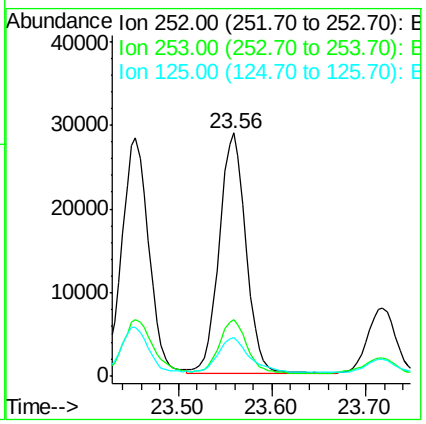
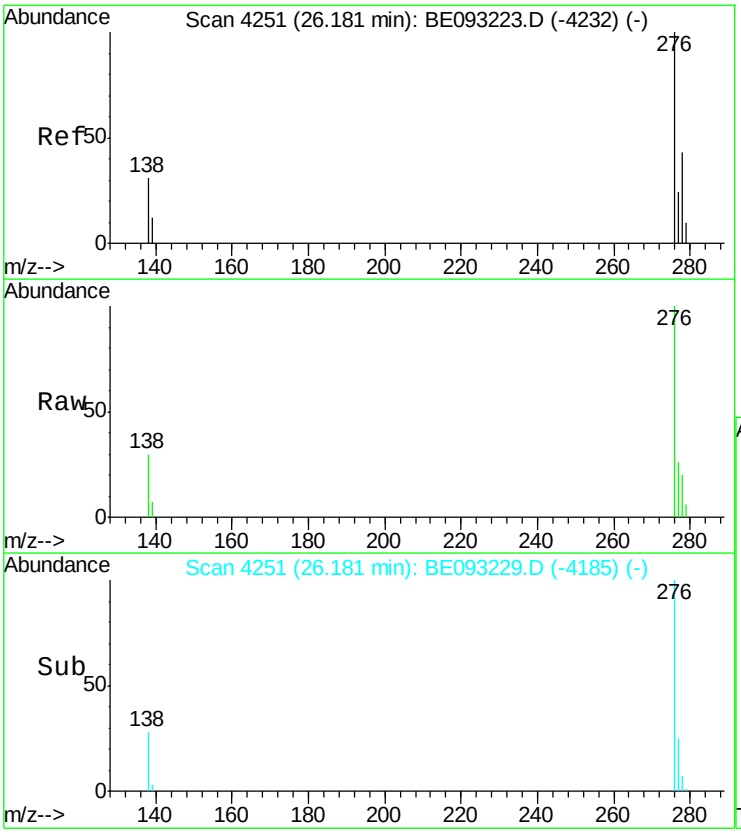
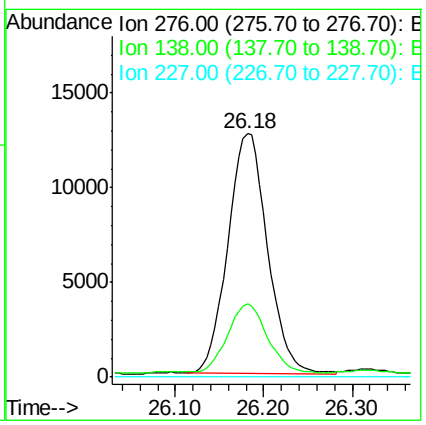


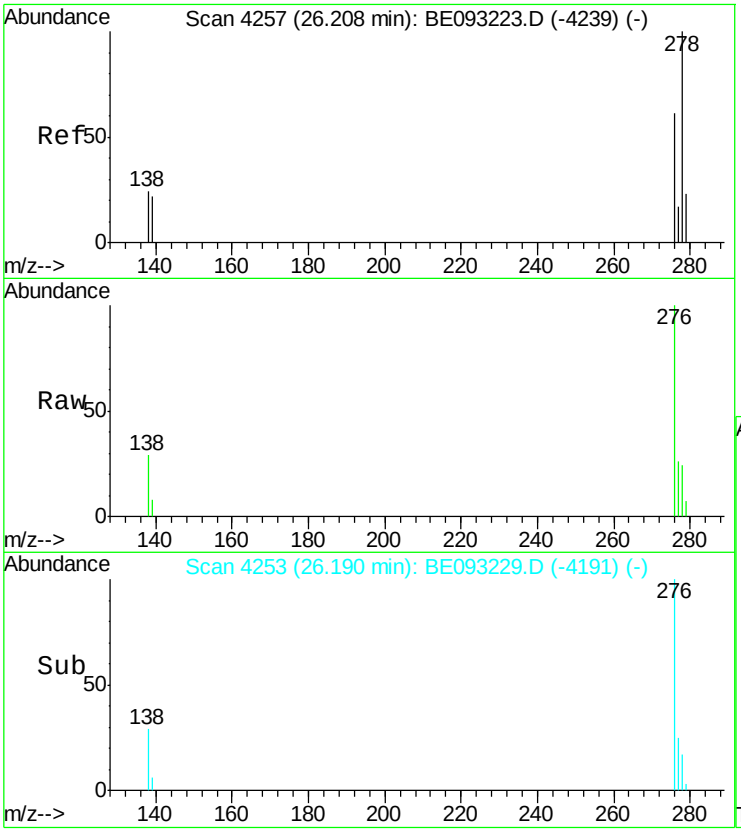




#24
Indeno(1,2,3-cd)pyrene
Concen: 0.633 ng/ul
RT: 26.18 min Scan# 4251
Delta R.T. 0.00 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

Tgt Ion:276 Resp: 39175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 29.1 | 28.0 | 42.0 |
| 227 | 0.0 | 8.0 | 12.0# |






#25
Dibenzo(a,h)anthracene
Concen: 0.189 ng/ul
RT: 26.19 min Scan# 4253
Delta R.T. -0.02 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

Tgt Ion:278 Resp: 9841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 33.0 | 17.4 | 26.0# |
| 279 | 29.8 | 25.9 | 38.9 |

**Instrument :**
BNA_E
**ClientSampleId :**
F5C36DL

**Manual Integrations APPROVED**
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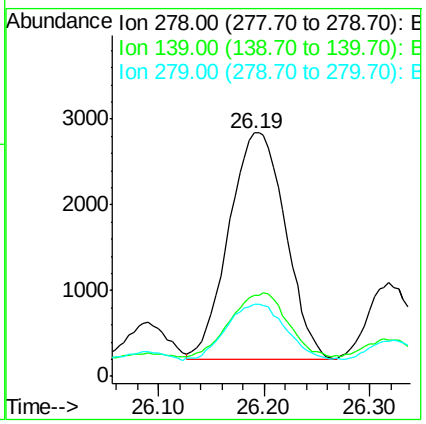


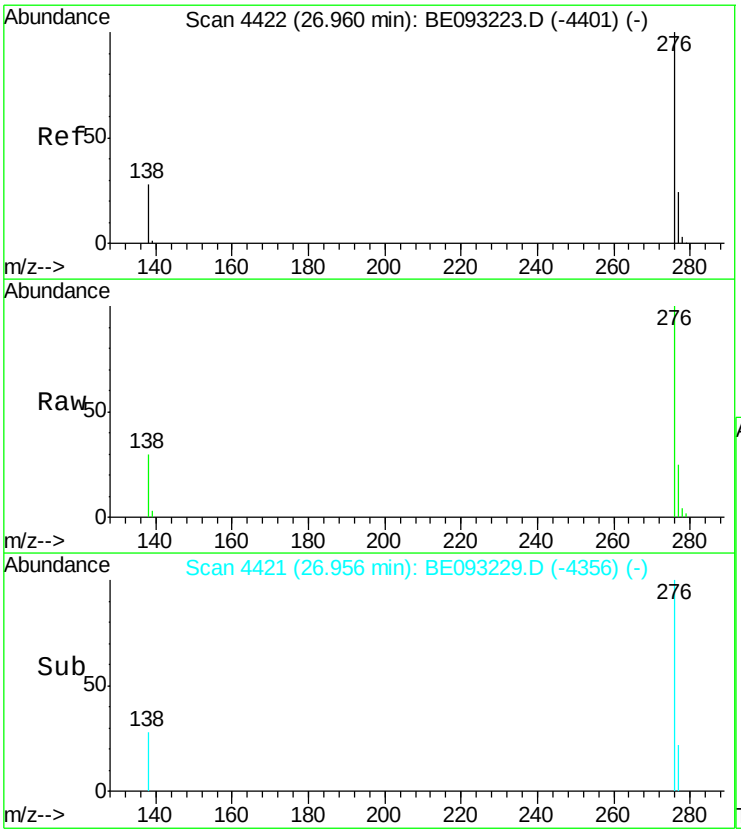


#26
Benzo(g,h,i)perylene
Concen: 0.564 ng/ul
RT: 26.96 min Scan# 4421
Delta R.T. -0.00 min
Lab File: BE093229.D
Acq: 16 Jun 2017 3:56

Tgt Ion:276 Resp: 29915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 30.2 | 21.8 | 32.8 |
| 277 | 24.6 | 20.5 | 30.7 |