Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE061417\
Data File : BE093182.D
Acq On : 14 Jun 2017 22:51
Operator : SJ/MA
Sample : I3520-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** F5B77

**Manual Integrations APPROVED**
mohammad
6/15/2017 3:53:34 PM

Quant Time: Jun 15 04:22:52 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 | 3654 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.52 | 136 | 19399 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.37 | 164 | 12413 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.10 | 188 | 28778m | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.26 | 240 | 29279 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.67 | 264 | 22705m | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.11 | 152 | 7887 | 0.28 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.13 | 212 | 21662 | 0.28 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.57 | 128 | 3876 | 0.081 | ng/ul# | 96 |
| 5) 2-Methylnaphthalene | 12.19 | 142 | 1139 | 0.035 | ng/ul | 97 |
| 7) Acenaphthylene | 14.09 | 152 | 36536 | 0.686 | ng/ul | 95 |
| 8) Acenaphthene | 14.43 | 153 | 1587 | 0.037 | ng/ul | 96 |
| 9) Fluorene | 15.42 | 166 | 1988 | 0.039 | ng/ul# | 91 |
| 12) Phenanthrene | 17.14 | 178 | 88695 | 1.120 | ng/ul# | 86 |
| 13) Anthracene | 17.22 | 178 | 48773 | 0.707 | ng/ul# | 85 |
| 15) Fluoranthene | 19.16 | 202 | 917541 | 9.449 | ng/ul | 84 |
| 17) Pyrene | 19.52 | 202 | 965016 | 11.176 | ng/ul# | 87 |
| 18) Benzo(a)anthracene | 21.24 | 228 | 464076 | 5.942 | ng/ul# | 85 |
| 19) Chrysene | 21.30 | 228 | 727381 | 8.978 | ng/ul | 98 |
| 21) Benzo(b)fluoranthene | 22.94 | 252 | 836259 | 12.137 | ng/ul | 87 |
| 22) Benzo(k)fluoranthene | 22.98 | 252 | 278042m | 3.799 | ng/ul | |
| 23) Benzo(a)pyrene | 23.56 | 252 | 319286m | 4.901 | ng/ul | |
| 24) Indeno(1,2,3-cd)pyrene | 26.19 | 276 | 213779m | 2.834 | ng/ul | |
| 25) Dibenzo(a,h)anthracene | 26.19 | 278 | 57777m | 0.909 | ng/ul | |
| 26) Benzo(g,h,i)perylene | 26.96 | 276 | 153474 | 2.372 | 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 : BE093182.D
Acq On : 14 Jun 2017 22:51
Operator : SJ/MA
Sample : I3520-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

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**Instrument :**
BNA_E
**ClientSampleId :**
F5B77

**Manual Integrations APPROVED**
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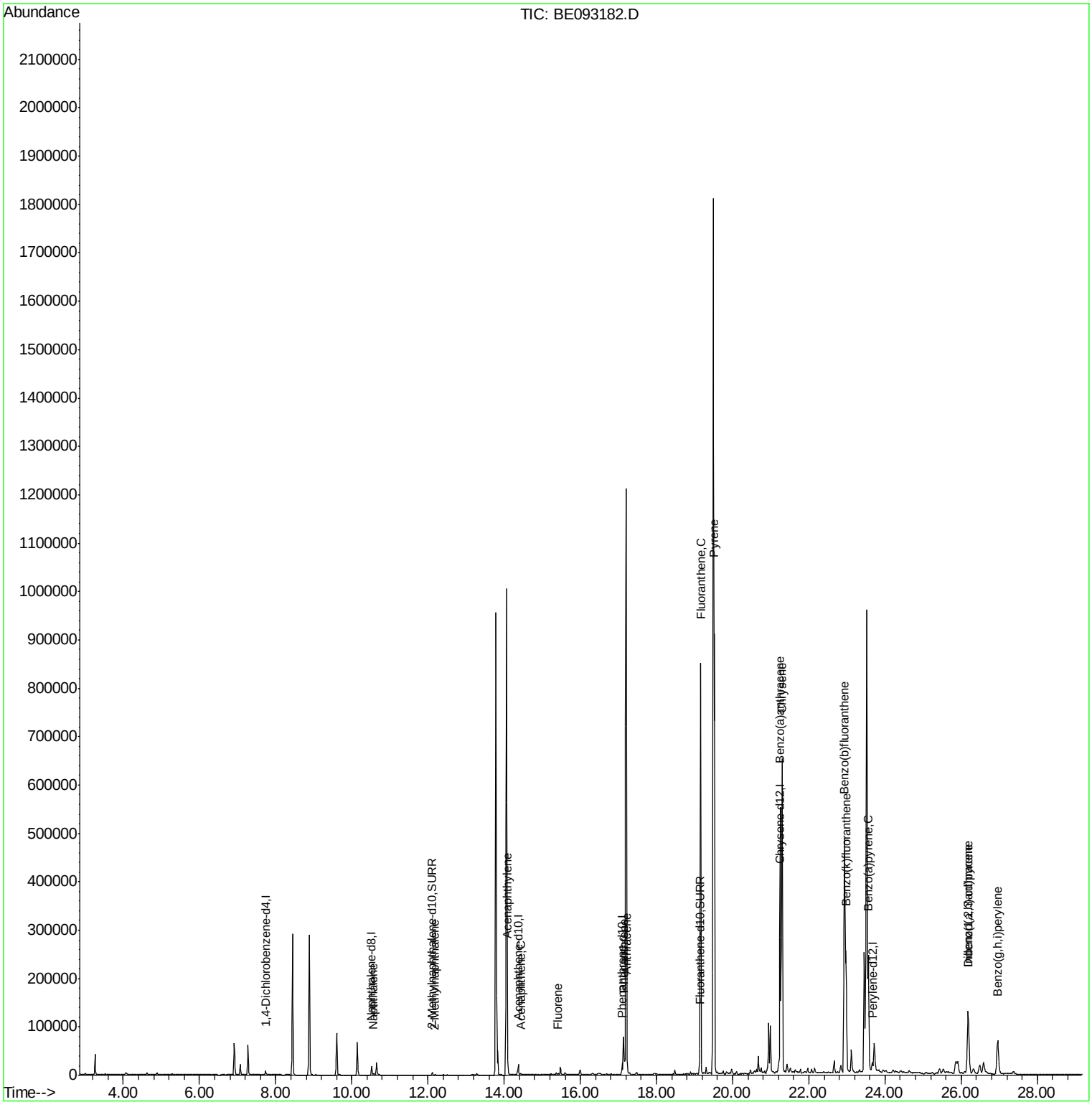

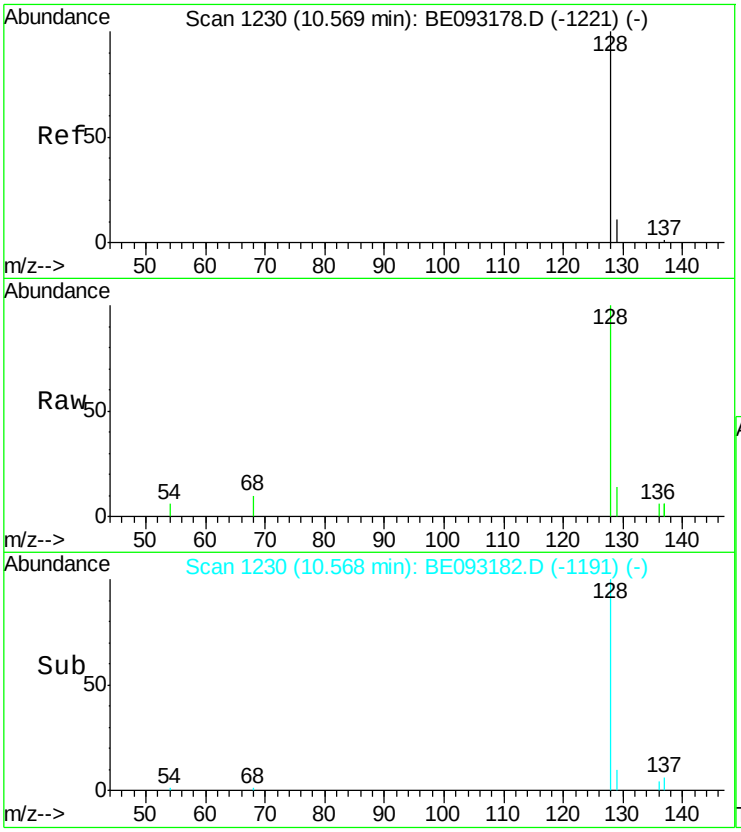


#3
Naphthalene
Concen: 0.081 ng/ul
RT: 10.57 min Scan# 1230
Delta R.T. -0.00 min
Lab File: BE093182.D
Acq: 14 Jun 2017 22:51

Tgt Ion:128 Resp: 3876

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 13.9 | 11.3 | 16.9 |
| 127 | 0.0 | 4.0 | 6.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
F5B77

**Manual Integrations APPROVED**
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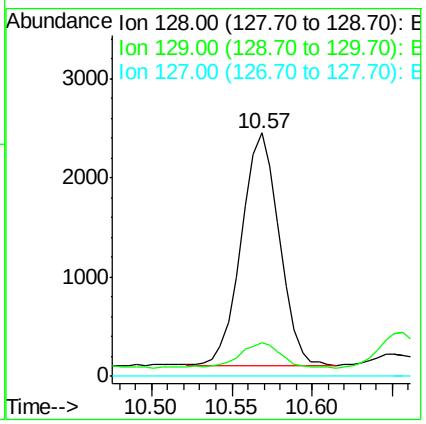
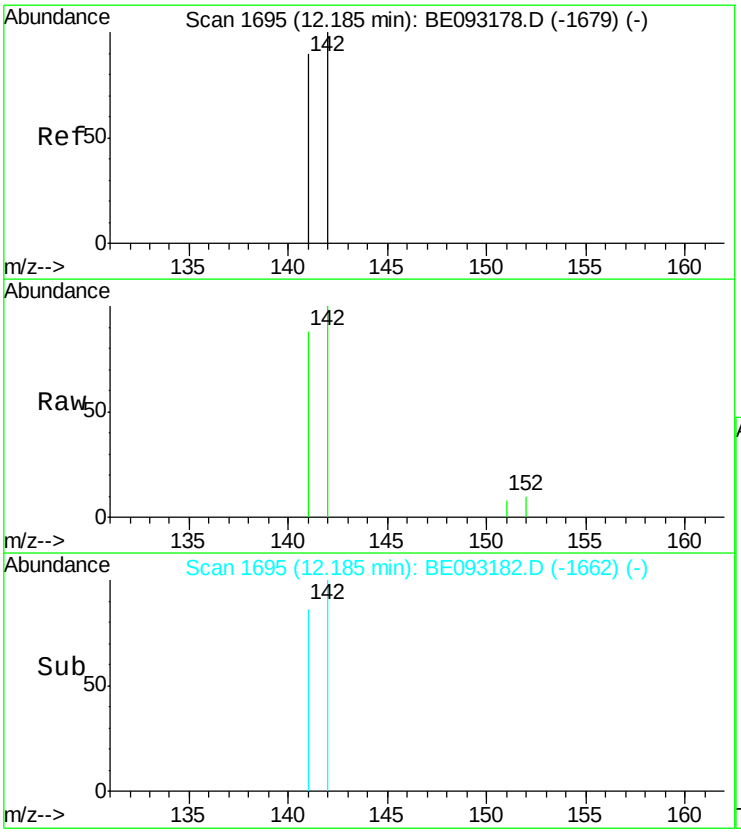
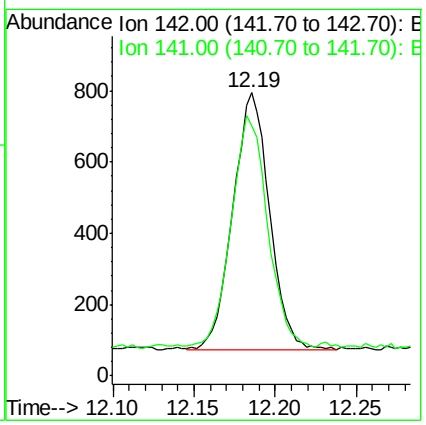


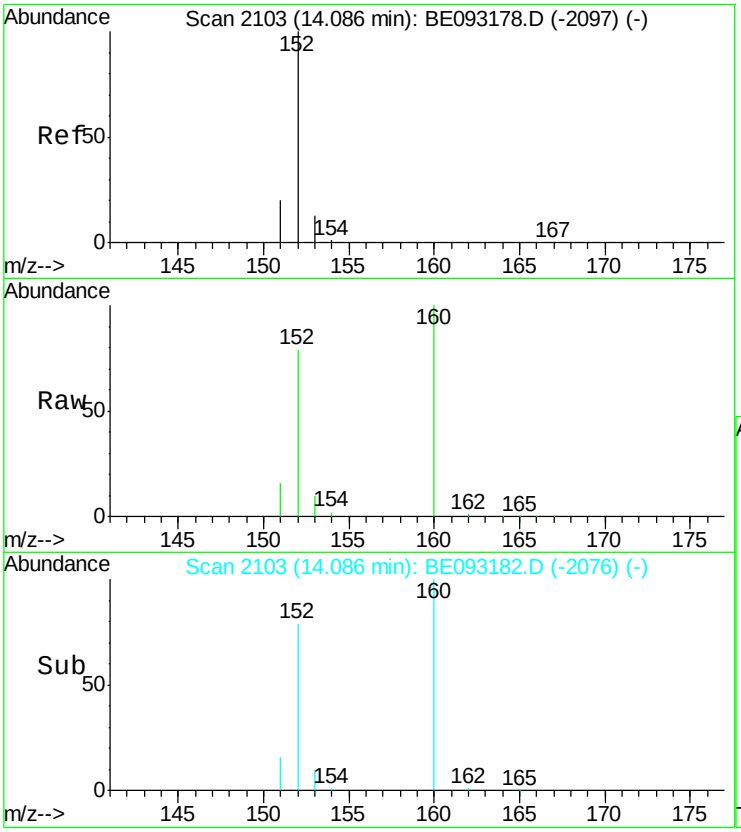




#5
2-Methylnaphthalene
Concen: 0.035 ng/ul
RT: 12.19 min Scan# 1695
Delta R.T. 0.00 min
Lab File: BE093182.D
Acq: 14 Jun 2017 22:51

Tgt Ion:142 Resp: 1139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.1 | 72.6 | 108.8 |






#7
Acenaphthylene
Concen: 0.686 ng/ul
RT: 14.09 min Scan# 2103
Delta R.T. 0.00 min
Lab File: BE093182.D
Acq: 14 Jun 2017 22:51

Tgt Ion:152 Resp: 36536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.0 | 17.1 | 25.7 |
| 153 | 13.0 | 12.8 | 19.2 |

**Instrument :**
BNA_E
**ClientSampleId :**
F5B77

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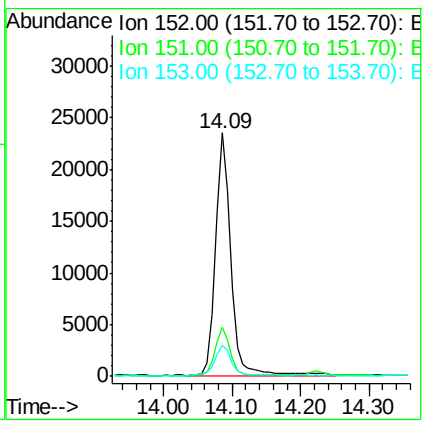
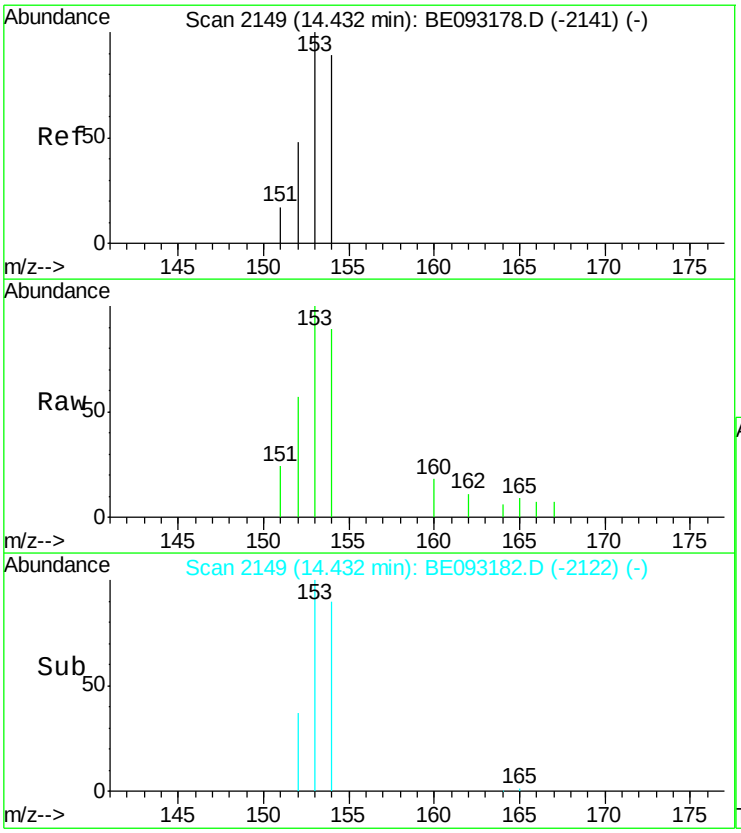
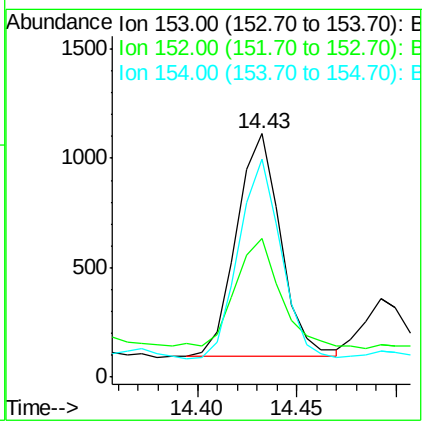


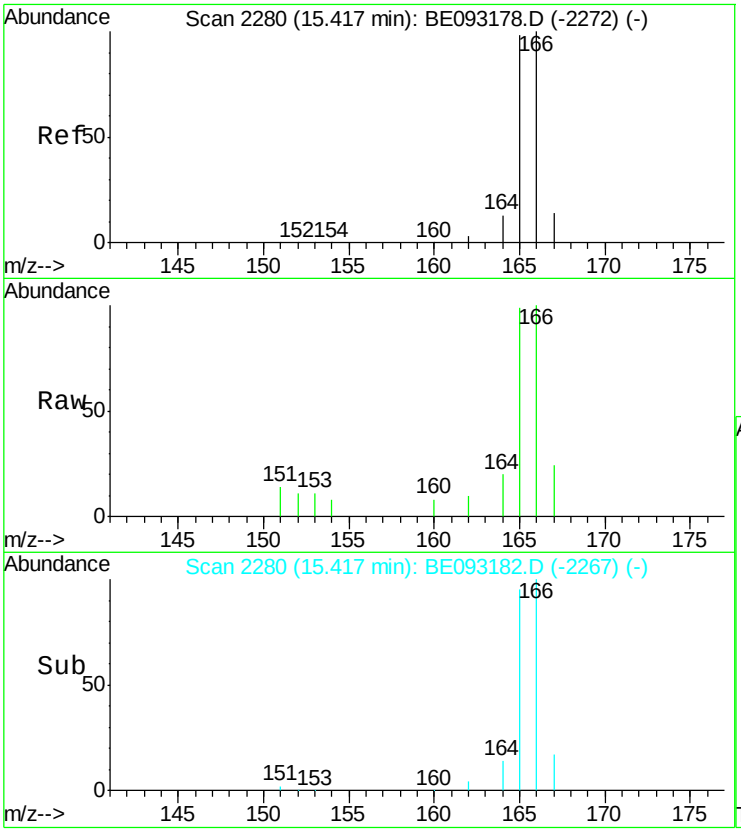




#8
Acenaphthene
Concen: 0.037 ng/ul
RT: 14.43 min Scan# 2149
Delta R.T. 0.00 min
Lab File: BE093182.D
Acq: 14 Jun 2017 22:51

Tgt Ion:153 Resp: 1587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 57.1 | 40.3 | 60.5 |
| 154 | 89.5 | 71.4 | 107.2 |






#9
Fluorene
Concen: 0.039 ng/ul
RT: 15.42 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BE093182.D
Acq: 14 Jun 2017 22:51

Tgt Ion:166 Resp: 1988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.3 | 73.4 | 110.2 |
| 167 | 24.0 | 14.6 | 22.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
F5B77

**Manual Integrations APPROVED**
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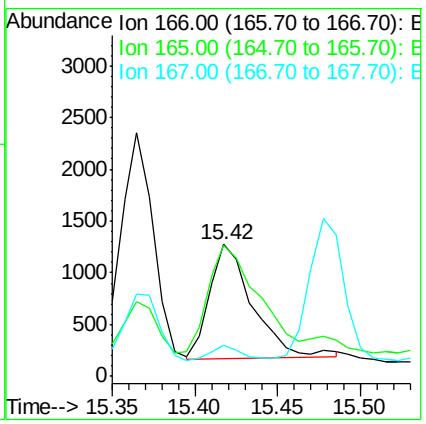
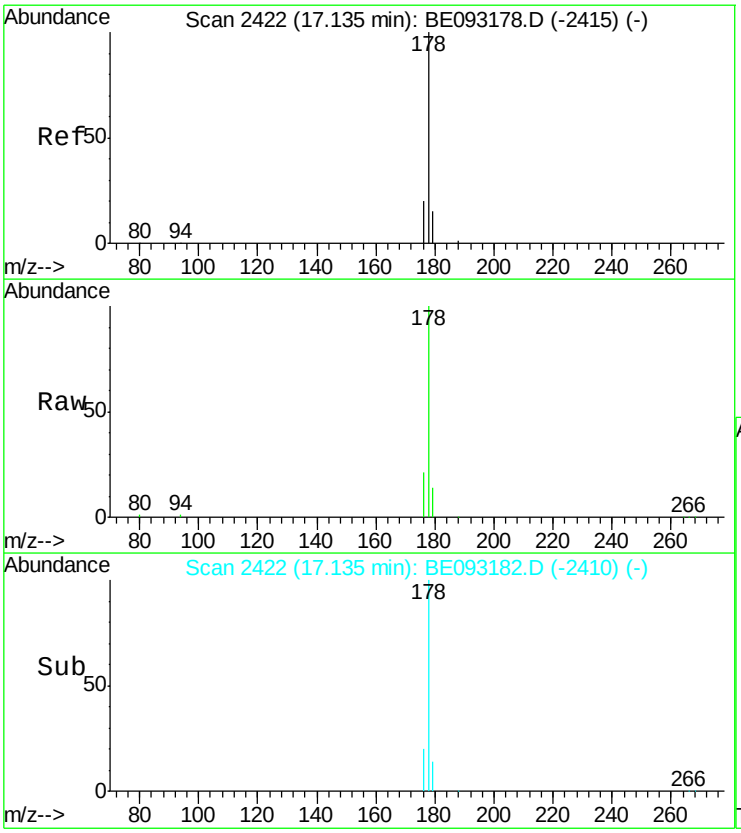
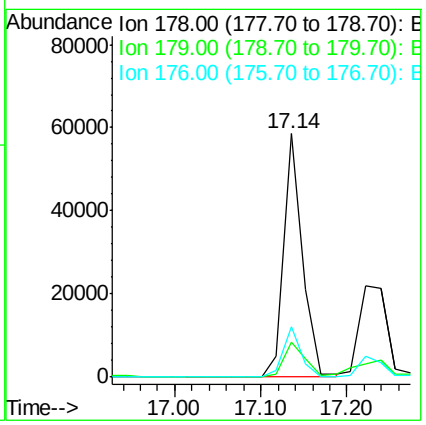


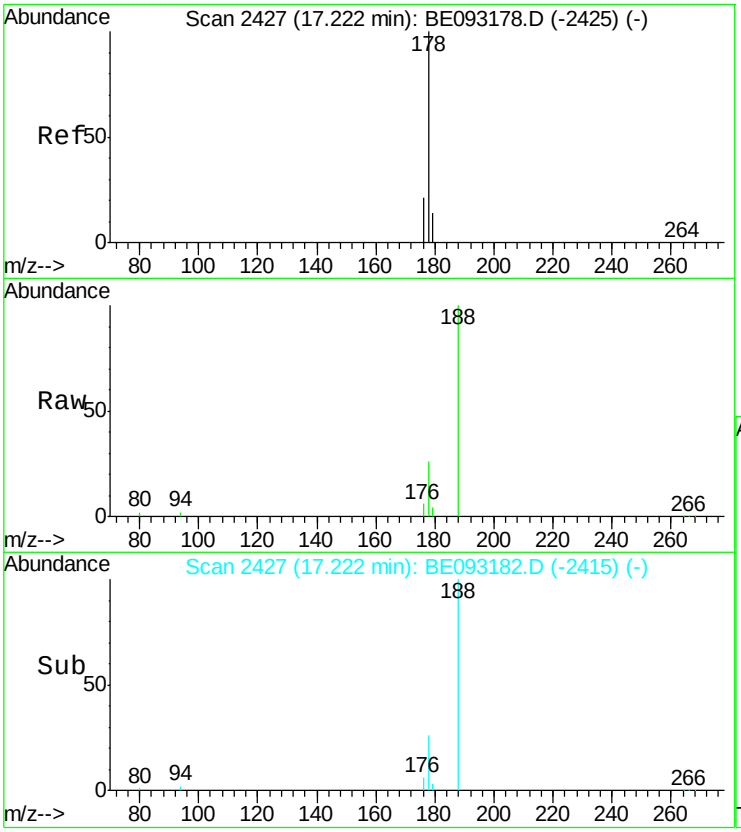




#12
Phenanthrene
Concen: 1.120 ng/ul
RT: 17.14 min Scan# 2422
Delta R.T. 0.00 min
Lab File: BE093182.D
Acq: 14 Jun 2017 22:51

Tgt Ion:178 Resp: 88695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 14.3 | 18.4 | 27.6# |
| 176 | 20.7 | 13.6 | 20.4# |






#13
Anthracene
Concen: 0.707 ng/ul
RT: 17.22 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BE093182.D
Acq: 14 Jun 2017 22:51

**Instrument :**
BNA_E
**ClientSampleId :**
F5B77

**Manual Integrations APPROVED**
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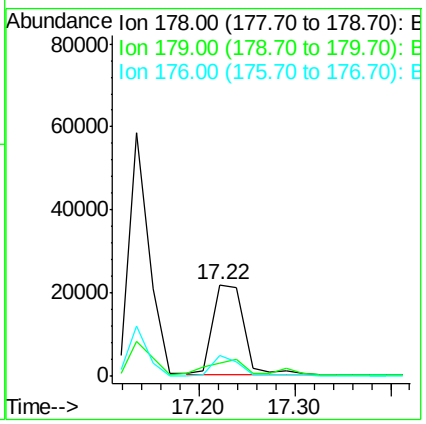
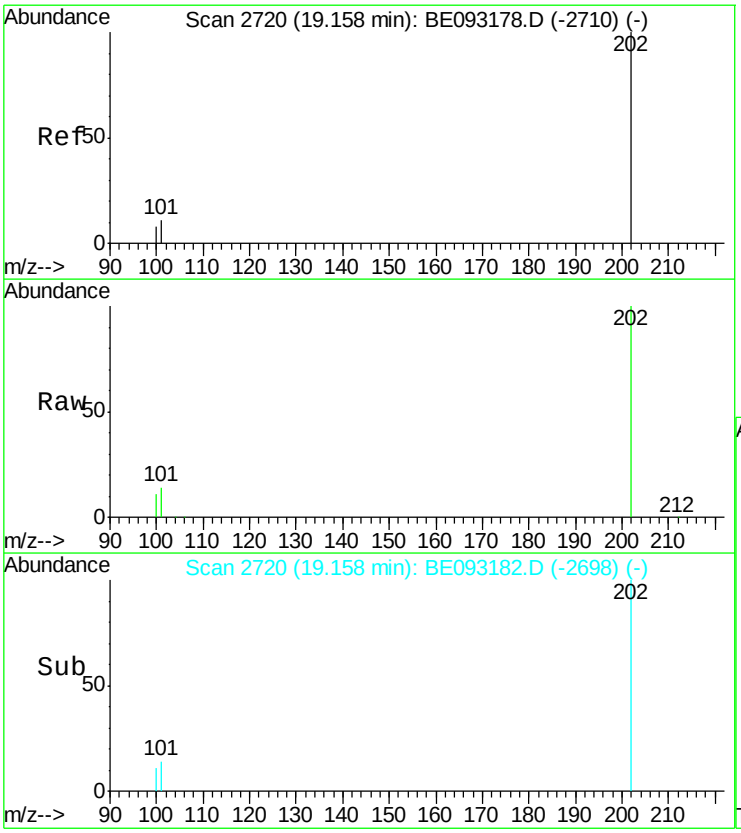
Tgt Ion:178 Resp: 48773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 14.0 | 18.1 | 27.1# |
| 176 | 23.3 | 14.7 | 22.1# |

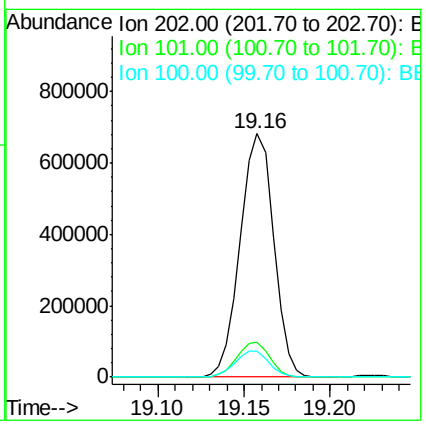


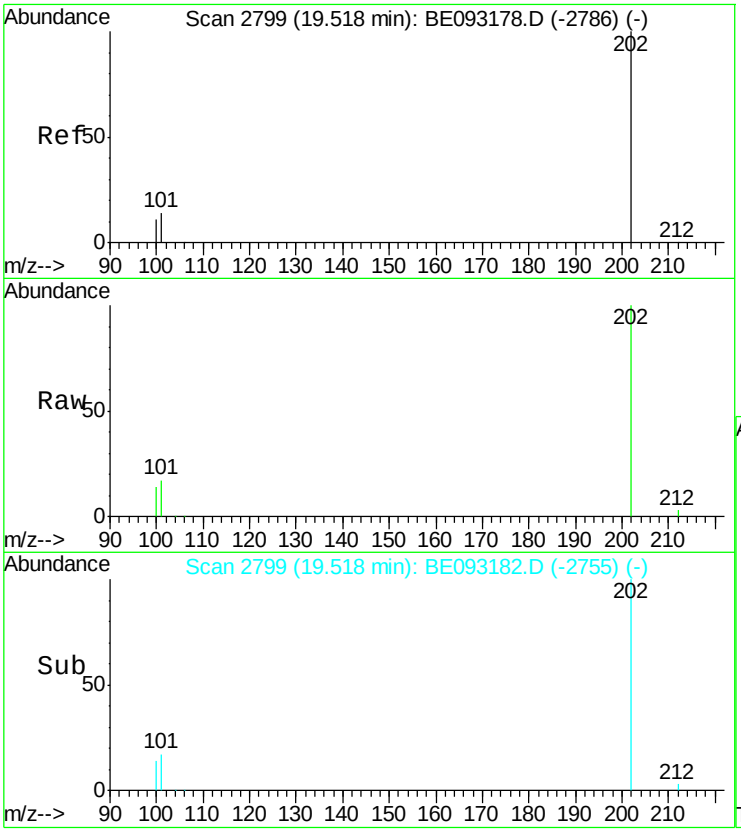




#15
Fluoranthene
Concen: 9.449 ng/ul
RT: 19.16 min Scan# 2720
Delta R.T. 0.00 min
Lab File: BE093182.D
Acq: 14 Jun 2017 22:51

Tgt Ion:202 Resp: 917541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.2 | 0.0 | 30.3 |
| 100 | 10.6 | 0.0 | 39.5 |






#17
Pyrene
Concen: 11.176 ng/ul
RT: 19.52 min Scan# 2799
Delta R.T. 0.00 min
Lab File: BE093182.D
Acq: 14 Jun 2017 22:51

Tgt Ion:202 Resp: 965016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 16.7 | 18.2 | 27.4# |
| 100 | 13.9 | 15.6 | 23.4# |

**Instrument :**
BNA_E
**ClientSampleId :**
F5B77

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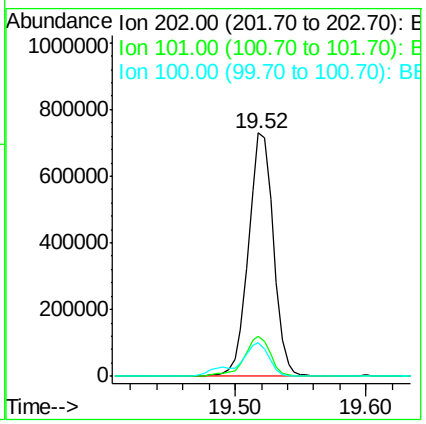
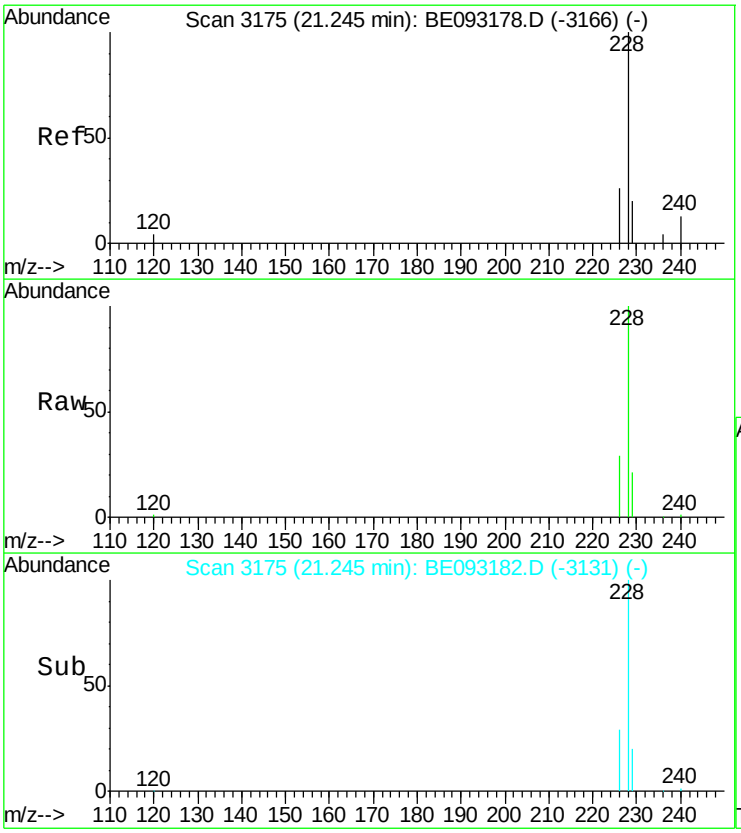
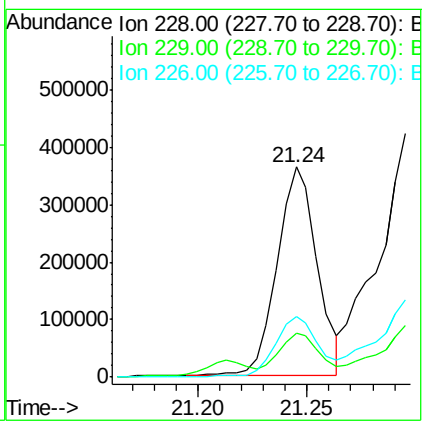


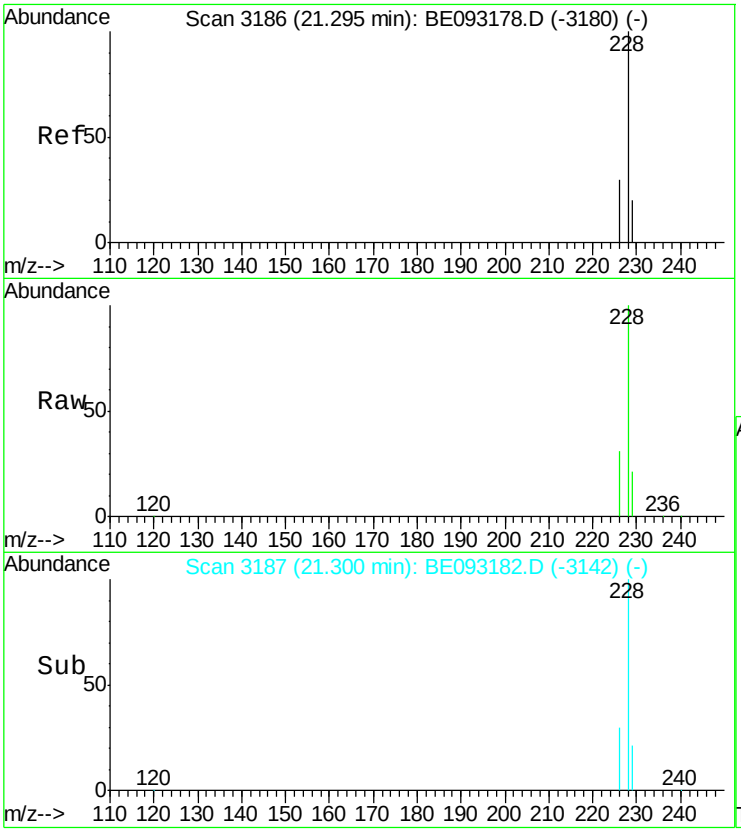




#18
Benzo(a)anthracene
Concen: 5.942 ng/ul
RT: 21.24 min Scan# 3175
Delta R.T. -0.00 min
Lab File: BE093182.D
Acq: 14 Jun 2017 22:51

Tgt Ion:228 Resp: 464076

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.8 | 22.8 | 34.2# |
| 226 | 29.1 | 17.0 | 25.6# |






#19
Chrysene
Concen: 8.978 ng/ul
RT: 21.30 min Scan# 3187
Delta R.T. 0.00 min
Lab File: BE093182.D
Acq: 14 Jun 2017 22:51

Tgt Ion:228 Resp: 727381

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 23.4 | 35.0 |
| 229 | 21.4 | 17.7 | 26.5 |

**Instrument :**
BNA_E
**ClientSampleId :**
F5B77

**Manual Integrations APPROVED**
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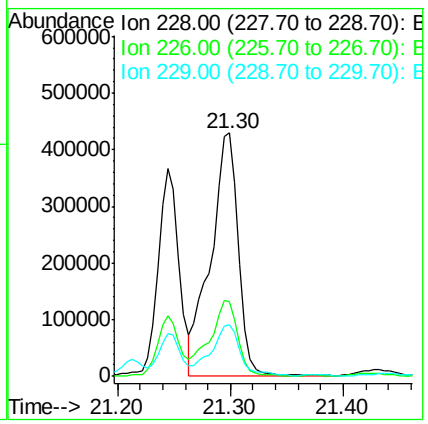
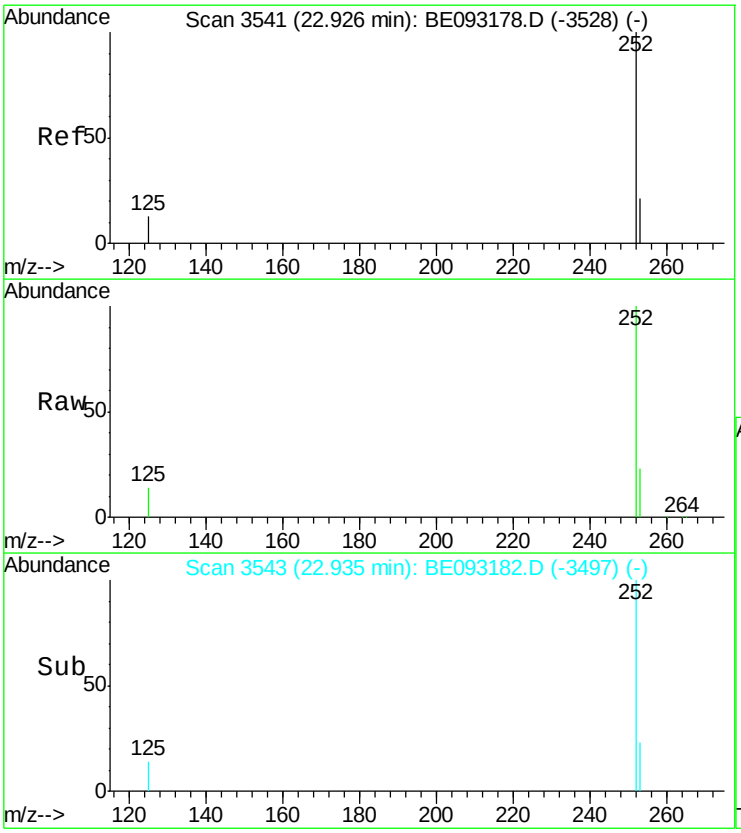
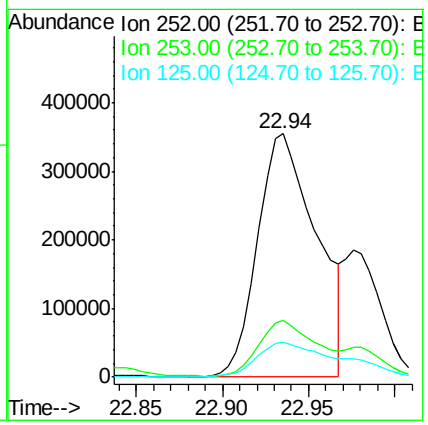


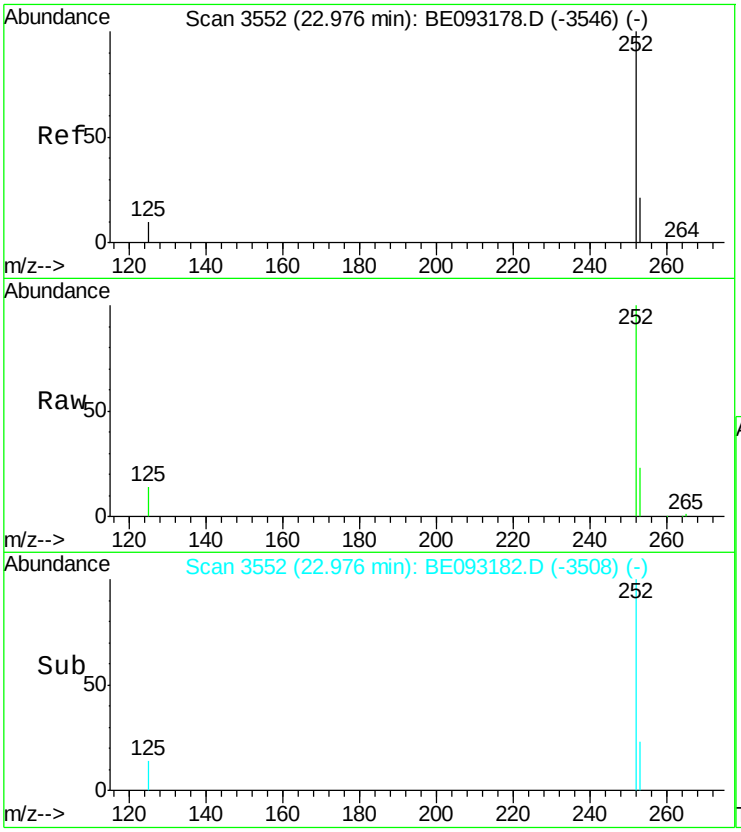




#21
Benzo(b)fluoranthene
Concen: 12.137 ng/ul
RT: 22.94 min Scan# 3543
Delta R.T. 0.01 min
Lab File: BE093182.D
Acq: 14 Jun 2017 22:51

Tgt Ion:252 Resp: 836259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 0.0 | 64.2 |
| 125 | 14.2 | 0.0 | 35.0 |






#22
Benzo(k)fluoranthene
Concen: 3.799 ng/ul m
RT: 22.98 min Scan# 3552
Delta R.T. -0.00 min
Lab File: BE093182.D
Acq: 14 Jun 2017 22:51

Tgt Ion:252 Resp: 278042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 24.5 | 36.7# |
| 125 | 14.2 | 13.7 | 20.5 |

**Instrument :**
BNA_E
**ClientSampleId :**
F5B77

**Manual Integrations APPROVED**
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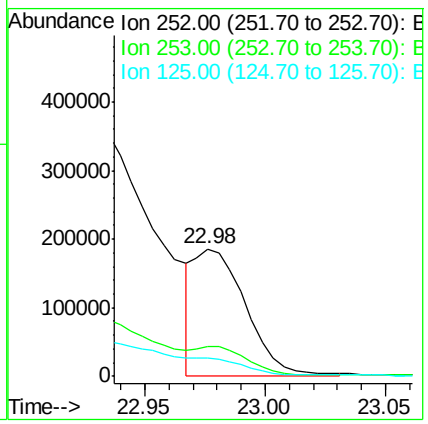
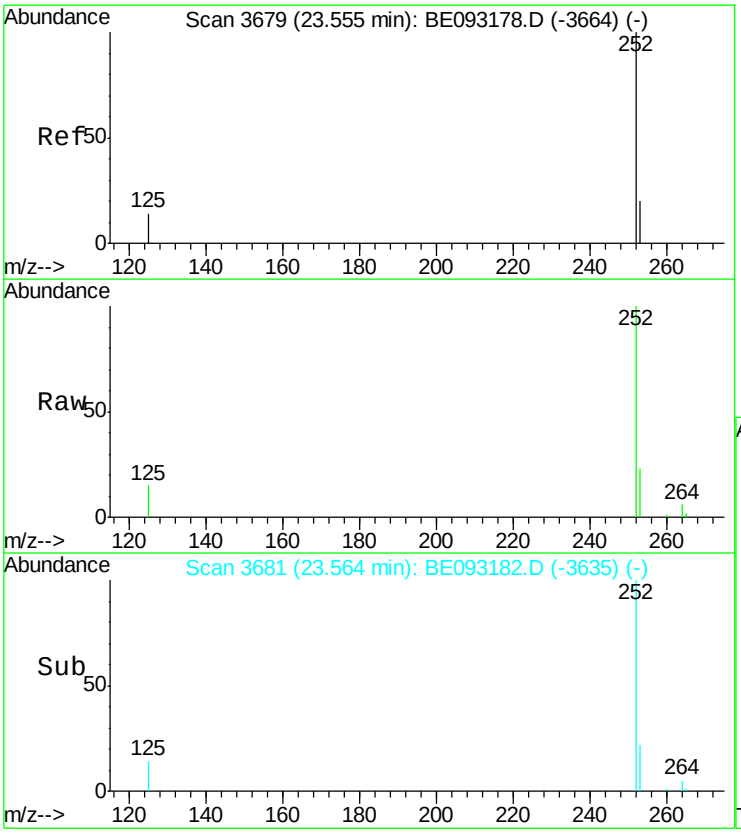
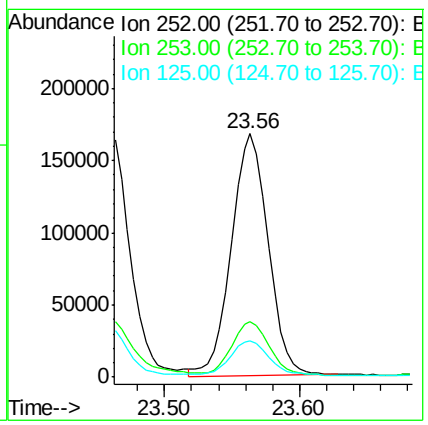


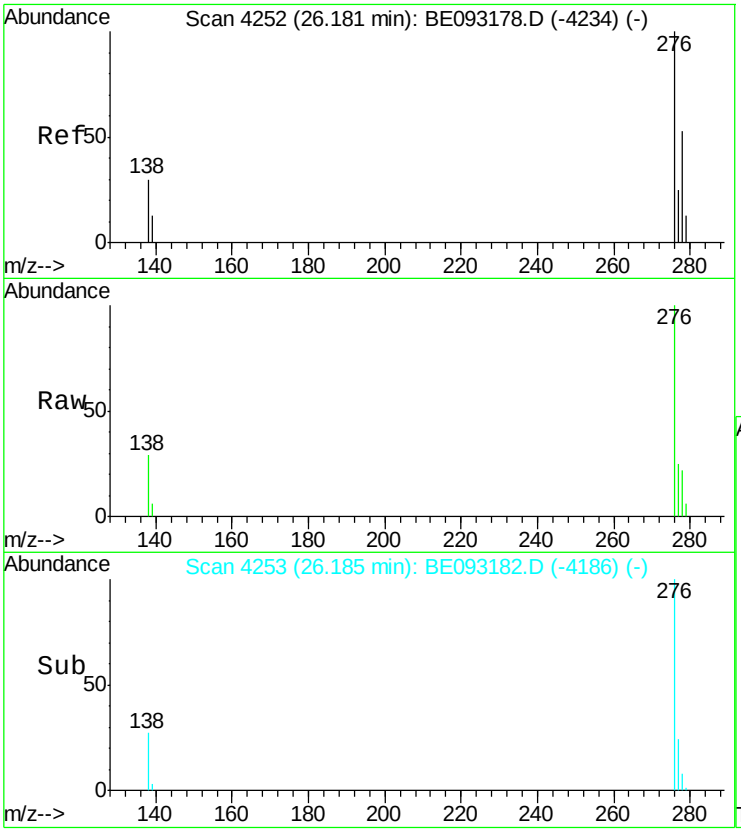




#23
Benzo(a)pyrene
Concen: 4.901 ng/ul m
RT: 23.56 min Scan# 3681
Delta R.T. 0.01 min
Lab File: BE093182.D
Acq: 14 Jun 2017 22:51

Tgt Ion:252 Resp: 319286

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 28.5 | 42.7# |
| 125 | 14.9 | 18.1 | 27.1# |

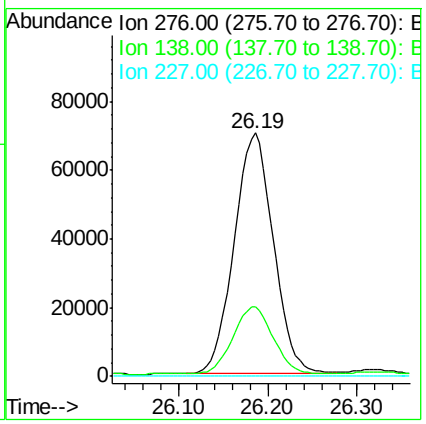





#24
Indeno(1,2,3-cd)pyrene
Concen: 2.834 ng/ul m
RT: 26.19 min Scan# 4253
Delta R.T. 0.00 min
Lab File: BE093182.D
Acq: 14 Jun 2017 22:51

Tgt Ion:276 Resp: 213779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 3.2 | 28.0 | 42.0# |
| 227 | 0.0 | 8.0 | 12.0# |




**Instrument :**
BNA_E
**ClientSampleId :**
F5B77

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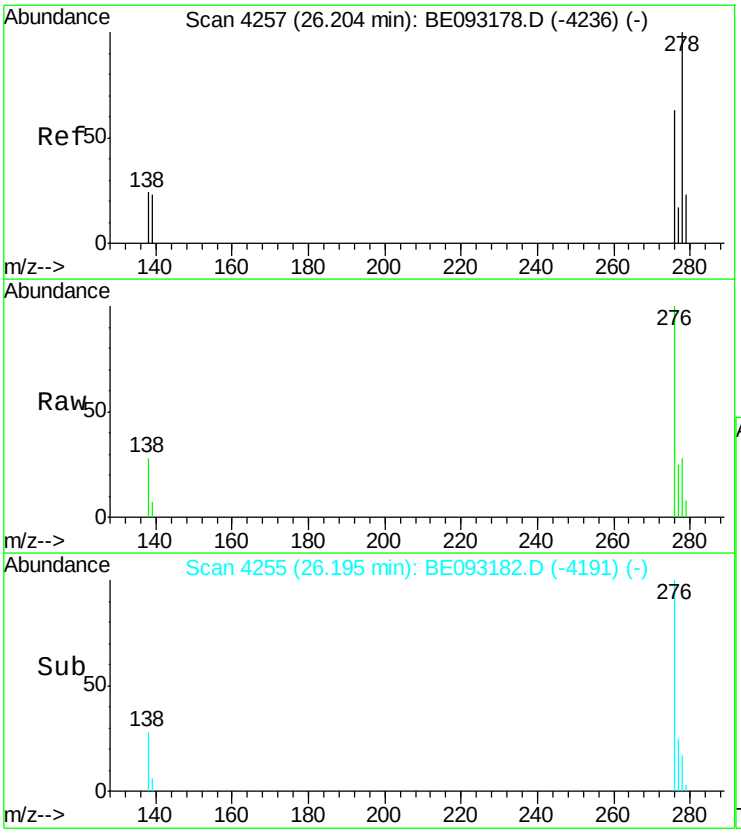
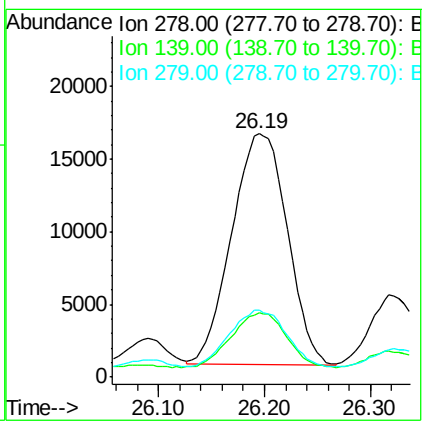
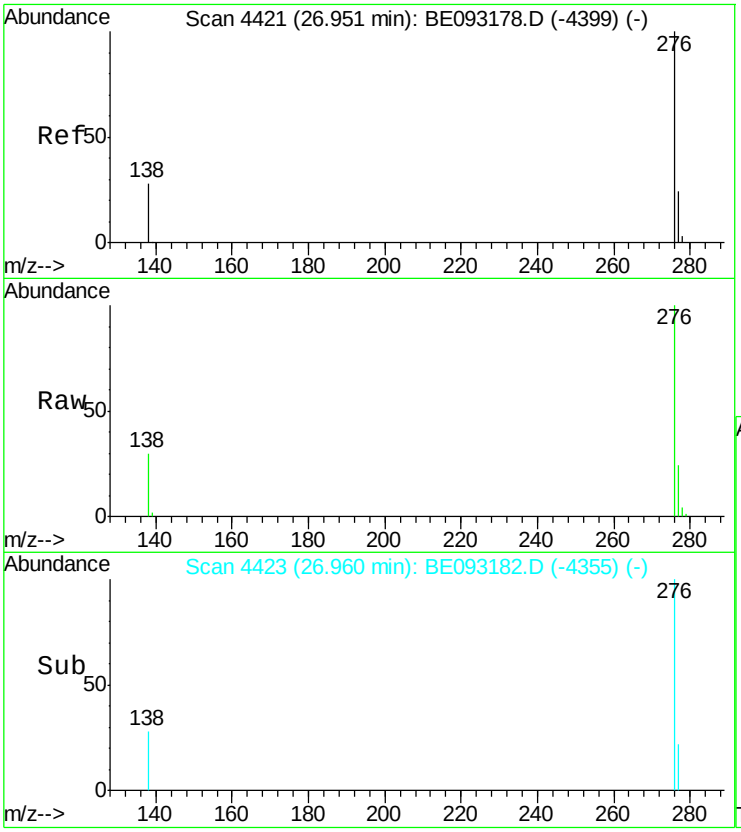



#25
Dibenzo(a,h)anthracene
Concen: 0.909 ng/ul m
RT: 26.19 min Scan# 4255
Delta R.T. -0.01 min
Lab File: BE093182.D
Acq: 14 Jun 2017 22:51

Tgt Ion:278 Resp: 57777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 26.3 | 17.4 | 26.0# |
| 279 | 27.4 | 25.9 | 38.9 |

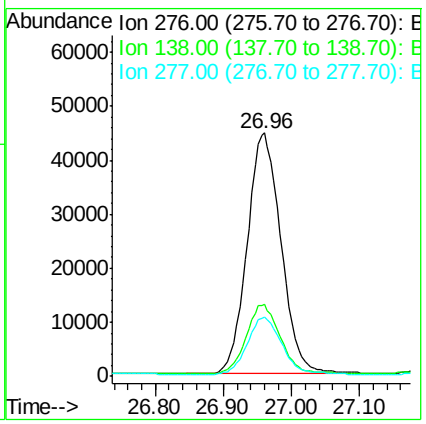





#26
Benzo(g,h,i)perylene
Concen: 2.372 ng/ul
RT: 26.96 min Scan# 4423
Delta R.T. 0.01 min
Lab File: BE093182.D
Acq: 14 Jun 2017 22:51

Tgt Ion:276 Resp: 153474

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 29.5 | 21.8 | 32.8 |
| 277 | 24.1 | 20.5 | 30.7 |




**Instrument :**
BNA_E
**ClientSampleId :**
F5B77

**Manual Integrations APPROVED**
mohammad
6/15/2017 3:53:34 PM