Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\
Data File : BE093292.D
Acq On : 20 Jun 2017 21:39
Operator : SJ/JU
Sample : I3627-06
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** F5B06

**Manual Integrations APPROVED**
mohammad
6/21/2017 12:18:55 PM

Quant Time: Jun 21 03:54:09 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 21 03:23:49 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.74 | 152 | 1805 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.51 | 136 | 9432 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.36 | 164 | 5900 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.10 | 188 | 14598 | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.26 | 240 | 14597 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.66 | 264 | 12429m | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.11 | 152 | 2936 | 0.21 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.12 | 212 | 8101 | 0.20 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.56 | 128 | 2284 | 0.098 | ng/ul# | 95 |
| 5) 2-Methylnaphthalene | 12.18 | 142 | 644 | 0.040 | ng/ul | 99 |
| 7) Acenaphthylene | 14.08 | 152 | 20097 | 0.794 | ng/ul | 96 |
| 8) Acenaphthene | 14.42 | 153 | 1067 | 0.052 | ng/ul | 94 |
| 9) Fluorene | 15.42 | 166 | 1264 | 0.053 | ng/ul | 95 |
| 12) Phenanthrene | 17.14 | 178 | 12188 | 0.303 | ng/ul# | 89 |
| 13) Anthracene | 17.22 | 178 | 29906 | 0.855 | ng/ul# | 88 |
| 15) Fluoranthene | 19.15 | 202 | 116177 | 2.359 | ng/ul | 84 |
| 17) Pyrene | 19.51 | 202 | 180915 | 4.203 | ng/ul# | 86 |
| 18) Benzo(a)anthracene | 21.24 | 228 | 82762 | 2.126 | ng/ul# | 85 |
| 19) Chrysene | 21.29 | 228 | 122244 | 3.027 | ng/ul | 98 |
| 21) Benzo(b)fluoranthene | 22.93 | 252 | 231781 | 6.145 | ng/ul | 87 |
| 22) Benzo(k)fluoranthene | 22.97 | 252 | 74260m | 1.854 | ng/ul | |
| 23) Benzo(a)pyrene | 23.56 | 252 | 109217m | 3.062 | ng/ul | |
| 24) Indeno(1,2,3-cd)pyrene | 26.18 | 276 | 74181m | 1.796 | ng/ul | |
| 25) Dibenzo(a,h)anthracene | 26.19 | 278 | 20110m | 0.578 | ng/ul | |
| 26) Benzo(g,h,i)perylene | 26.96 | 276 | 55216 | 1.559 | ng/ul | 95 |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062017\
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Acq On : 20 Jun 2017 21:39
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**Instrument :**
BNA_E
**ClientSampleId :**
F5B06

**Manual Integrations APPROVED**
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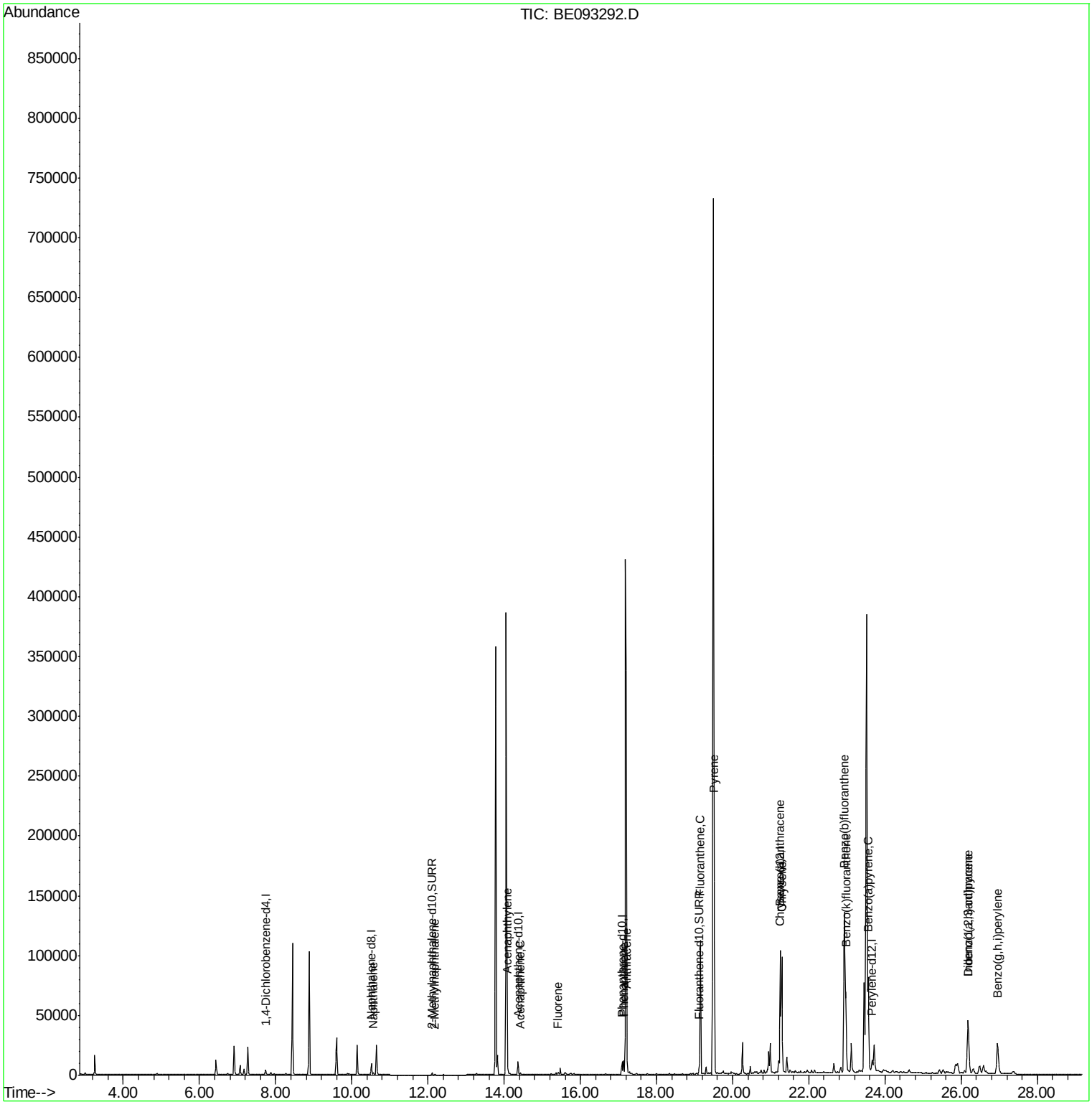

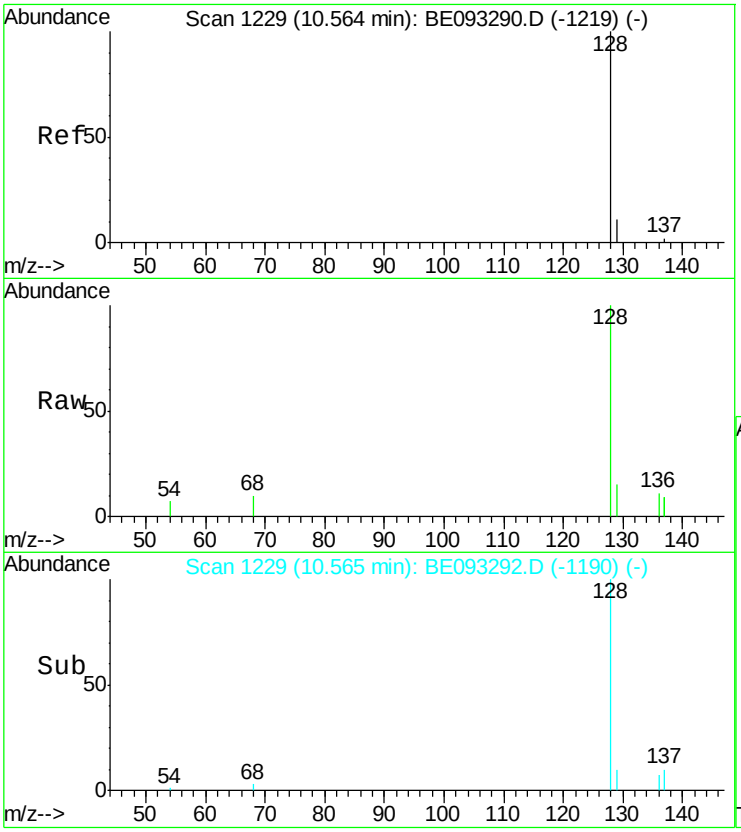


#3
Naphthalene
Concen: 0.098 ng/ul
RT: 10.56 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BE093292.D
Acq: 20 Jun 2017 21:39

Tgt Ion:128 Resp: 2284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 14.8 | 11.3 | 16.9 |
| 127 | 0.0 | 4.0 | 6.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
F5B06

**Manual Integrations APPROVED**
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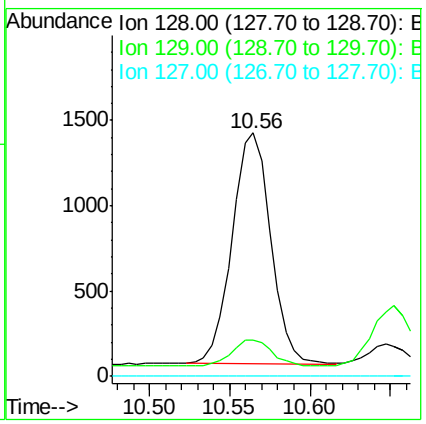
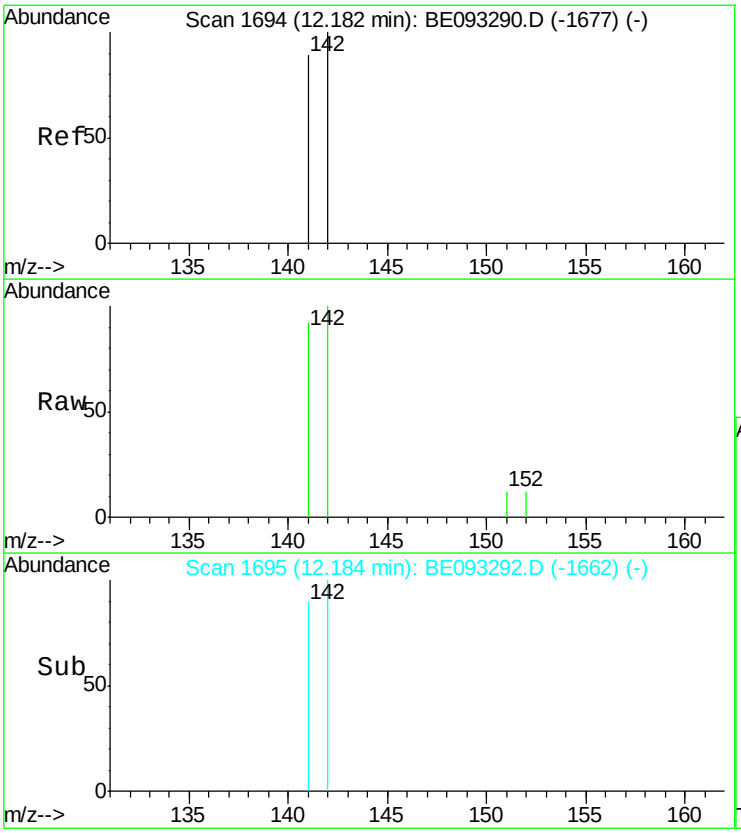
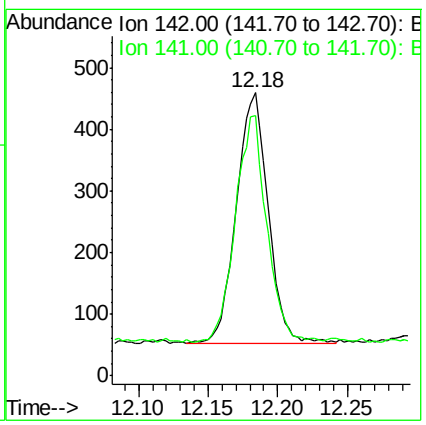


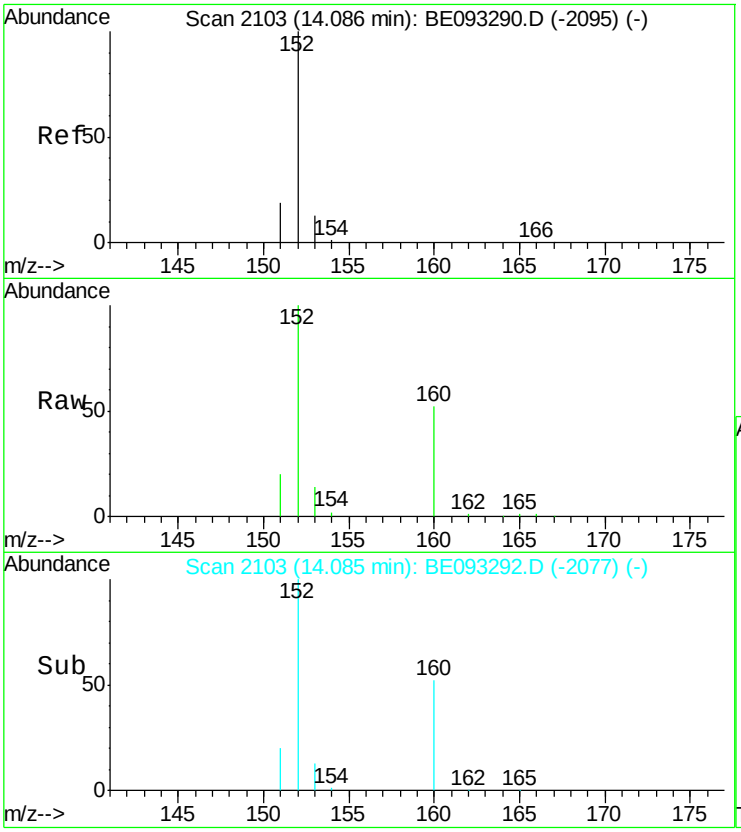




#5
2-Methylnaphthalene
Concen: 0.040 ng/ul
RT: 12.18 min Scan# 1695
Delta R.T. 0.00 min
Lab File: BE093292.D
Acq: 20 Jun 2017 21:39

Tgt Ion:142 Resp: 644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.9 | 72.6 | 108.8 |

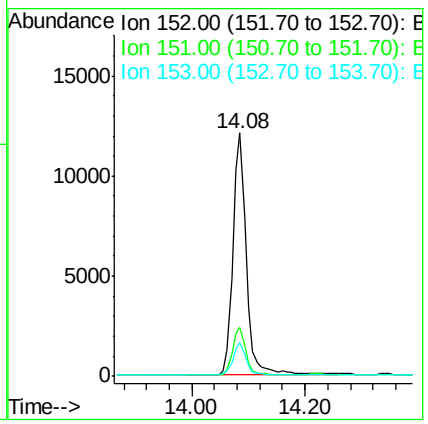





#7
Acenaphthylene
Concen: 0.794 ng/ul
RT: 14.08 min Scan# 2103
Delta R.T. -0.00 min
Lab File: BE093292.D
Acq: 20 Jun 2017 21:39

Tgt Ion:152 Resp: 20097

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.1 | 17.1 | 25.7 |
| 153 | 13.7 | 12.8 | 19.2 |




**Instrument :**
BNA_E
**ClientSampleId :**
F5B06

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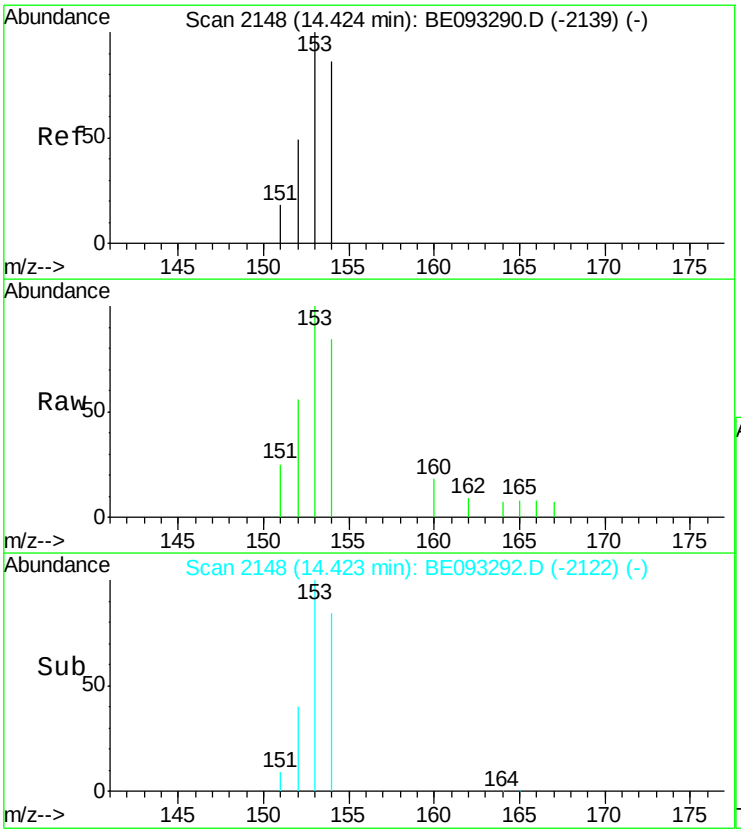
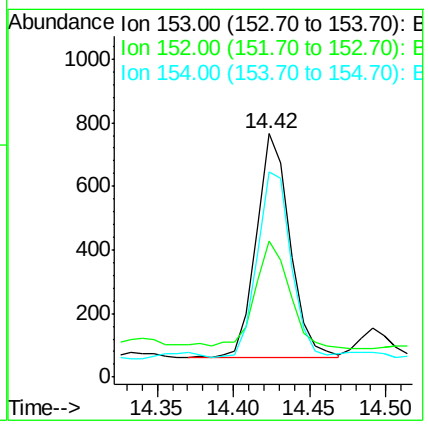
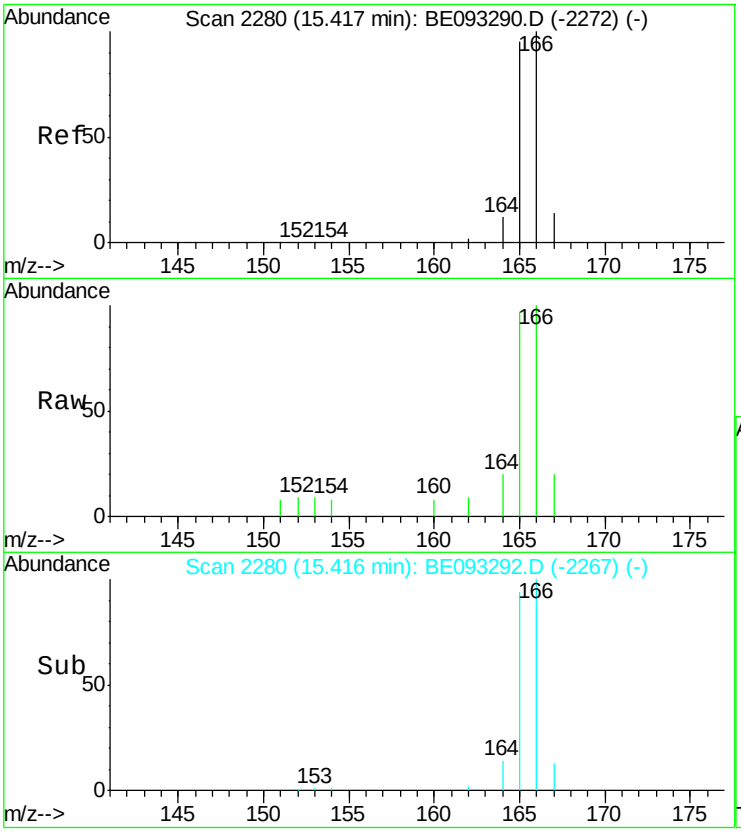



#8
Acenaphthene
Concen: 0.052 ng/ul
RT: 14.42 min Scan# 2148
Delta R.T. -0.00 min
Lab File: BE093292.D
Acq: 20 Jun 2017 21:39

Tgt Ion:153 Resp: 1067

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 55.6 | 40.3 | 60.5 |
| 154 | 84.5 | 71.4 | 107.2 |

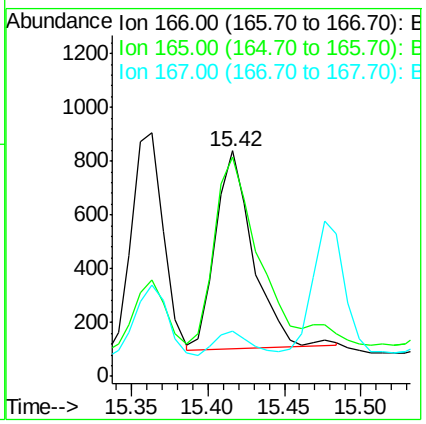





#9
Fluorene
Concen: 0.053 ng/ul
RT: 15.42 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BE093292.D
Acq: 20 Jun 2017 21:39

Tgt Ion:166 Resp: 1264

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.1 | 73.4 | 110.2 |
| 167 | 19.9 | 14.6 | 22.0 |




**Instrument :**
BNA_E
**ClientSampleId :**
F5B06

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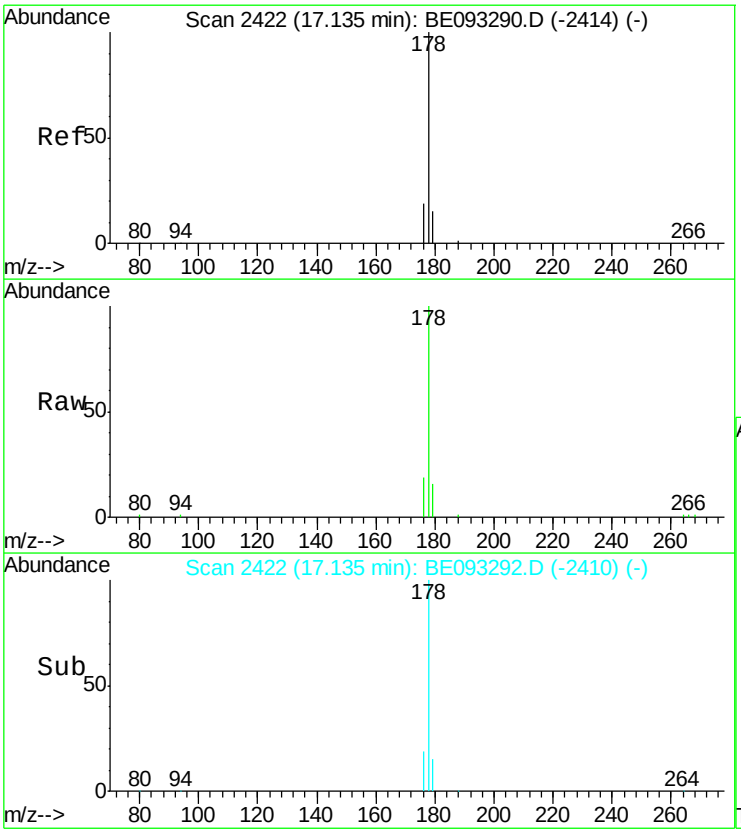
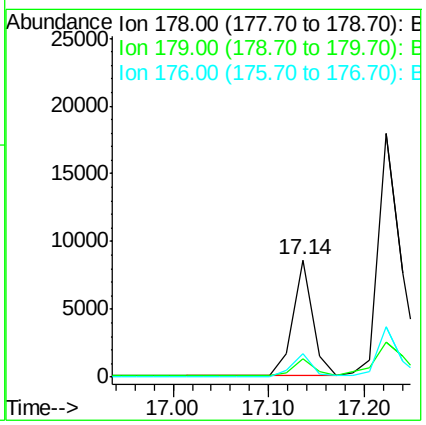
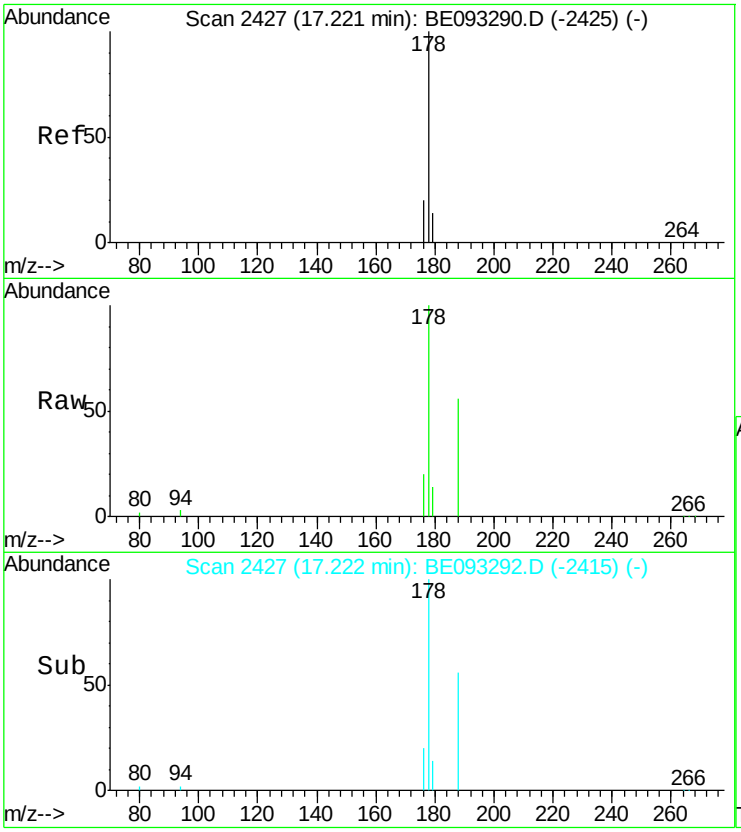



#12
Phenanthrene
Concen: 0.303 ng/ul
RT: 17.14 min Scan# 2422
Delta R.T. 0.00 min
Lab File: BE093292.D
Acq: 20 Jun 2017 21:39

Tgt Ion:178 Resp: 12188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.2 | 18.4 | 27.6# |
| 176 | 19.5 | 13.6 | 20.4 |






#13
Anthracene
Concen: 0.855 ng/ul
RT: 17.22 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BE093292.D
Acq: 20 Jun 2017 21:39

Tgt Ion:178 Resp: 29906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 14.2 | 18.1 | 27.1# |
| 176 | 20.5 | 14.7 | 22.1 |

**Instrument :**
BNA_E
**ClientSampleId :**
F5B06

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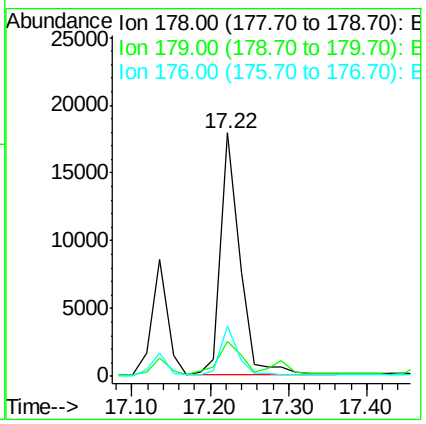
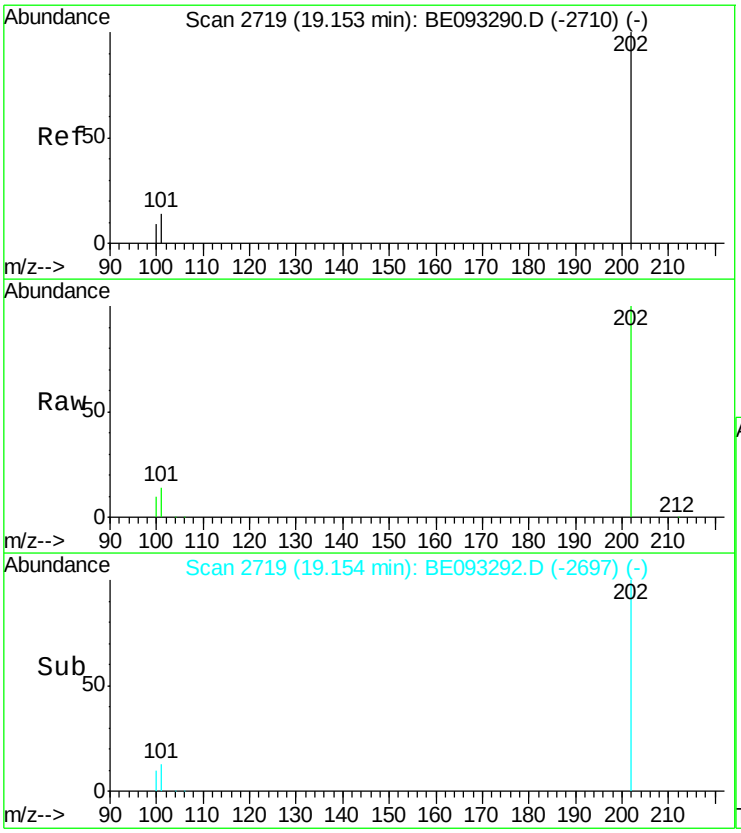
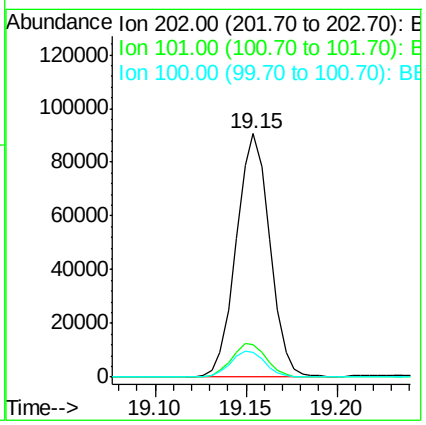


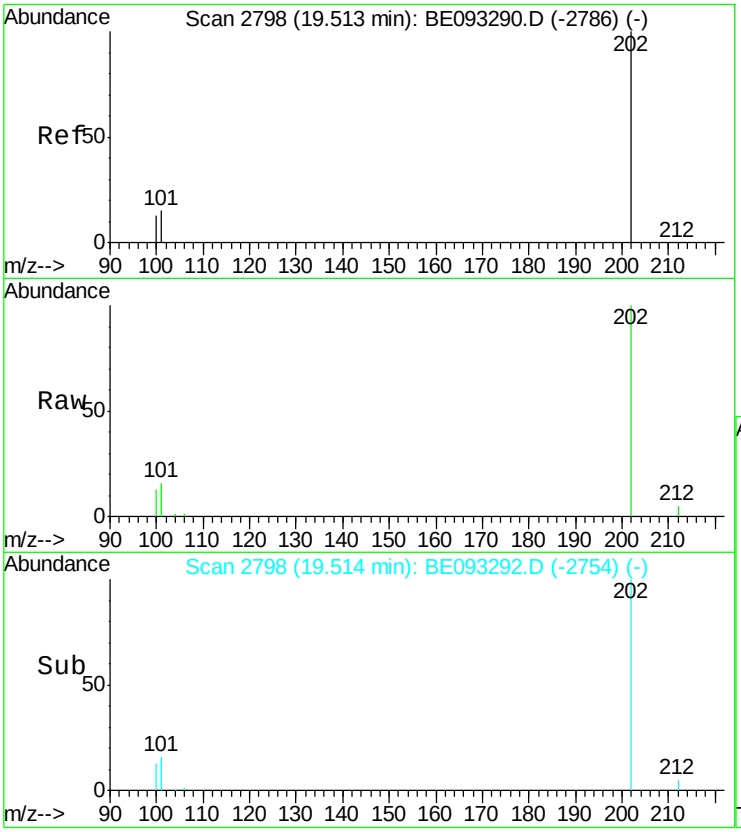




#15
Fluoranthene
Concen: 2.359 ng/ul
RT: 19.15 min Scan# 2719
Delta R.T. 0.00 min
Lab File: BE093292.D
Acq: 20 Jun 2017 21:39

Tgt Ion:202 Resp: 116177

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.5 | 0.0 | 30.3 |
| 100 | 10.2 | 0.0 | 39.5 |






#17
Pyrene
Concen: 4.203 ng/ul
RT: 19.51 min Scan# 2798
Delta R.T. 0.00 min
Lab File: BE093292.D
Acq: 20 Jun 2017 21:39

**Instrument :**
BNA_E
**ClientSampleId :**
F5B06

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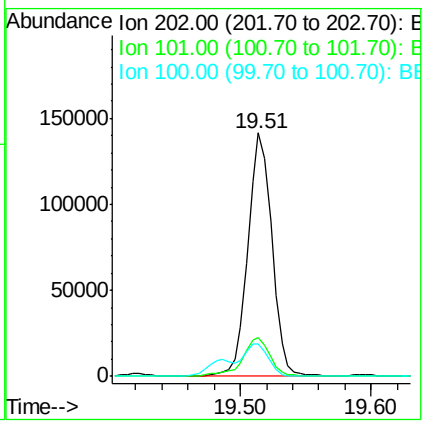
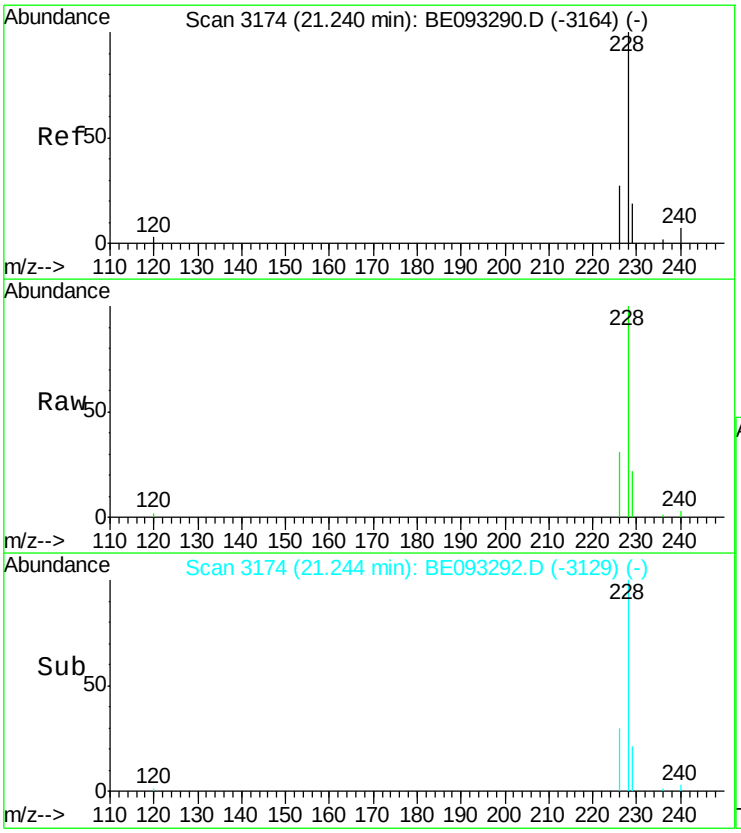
Tgt Ion:202 Resp: 180915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.9 | 18.2 | 27.4# |
| 100 | 13.2 | 15.6 | 23.4# |

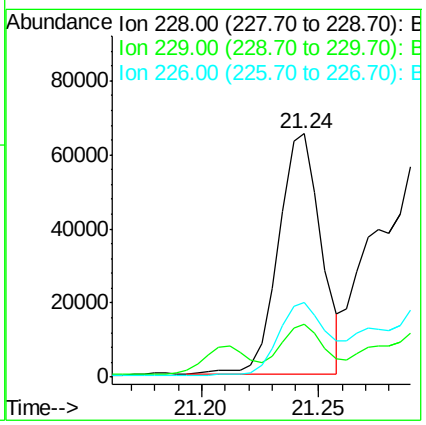


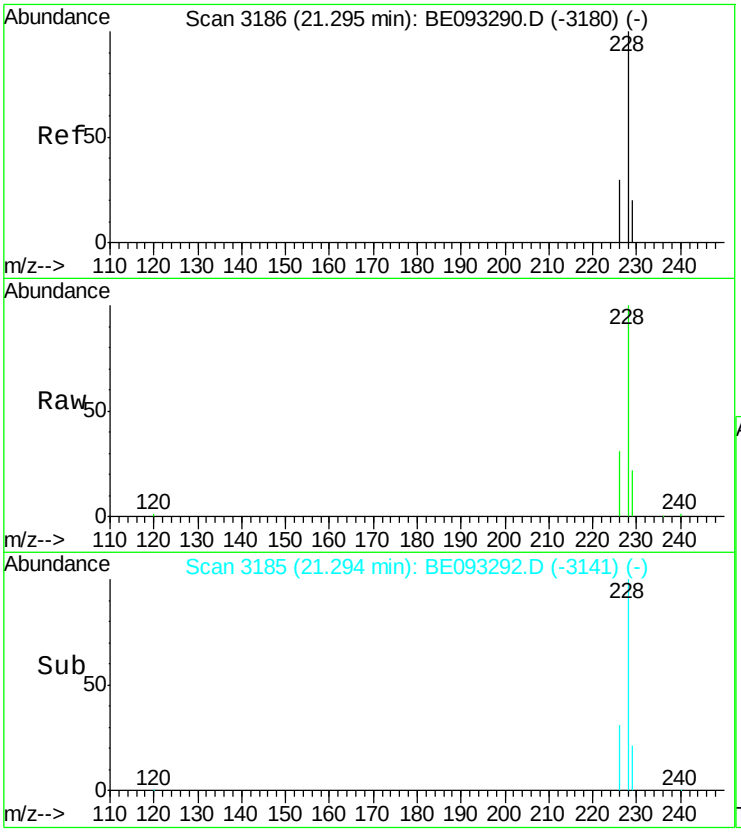




#18
Benzo(a)anthracene
Concen: 2.126 ng/ul
RT: 21.24 min Scan# 3174
Delta R.T. 0.00 min
Lab File: BE093292.D
Acq: 20 Jun 2017 21:39

Tgt Ion:228 Resp: 82762

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.0 | 22.8 | 34.2# |
| 226 | 30.6 | 17.0 | 25.6# |

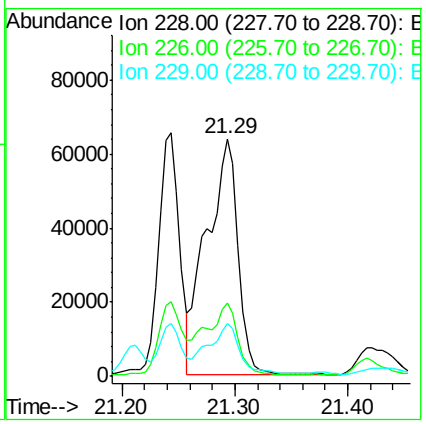





#19
Chrysene
Concen: 3.027 ng/ul
RT: 21.29 min Scan# 3185
Delta R.T. -0.00 min
Lab File: BE093292.D
Acq: 20 Jun 2017 21:39

Tgt Ion:228 Resp: 122244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.0 | 23.4 | 35.0 |
| 229 | 22.1 | 17.7 | 26.5 |




**Instrument :**
BNA_E
**ClientSampleId :**
F5B06

**Manual Integrations APPROVED**
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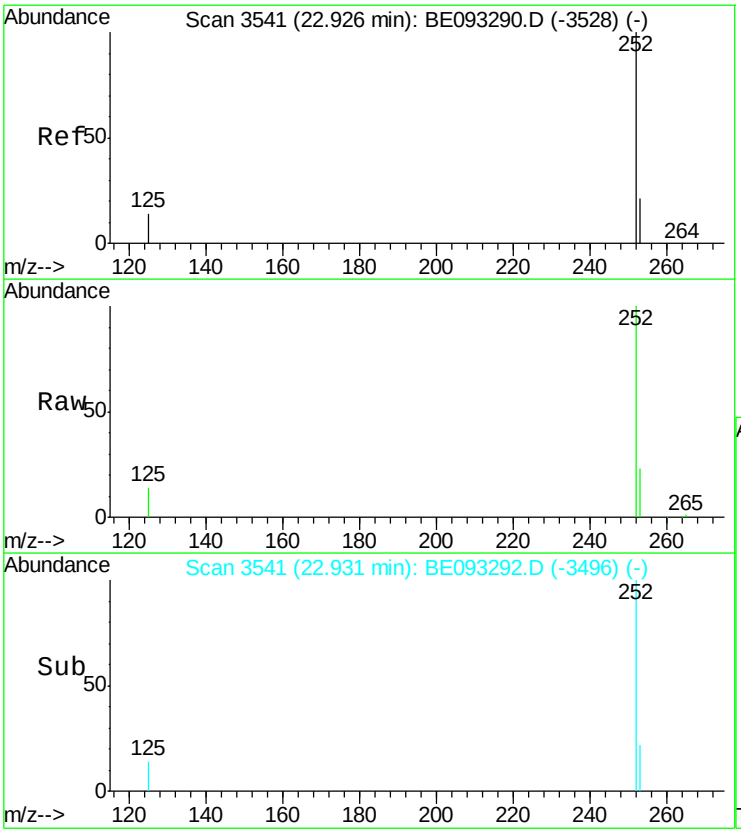
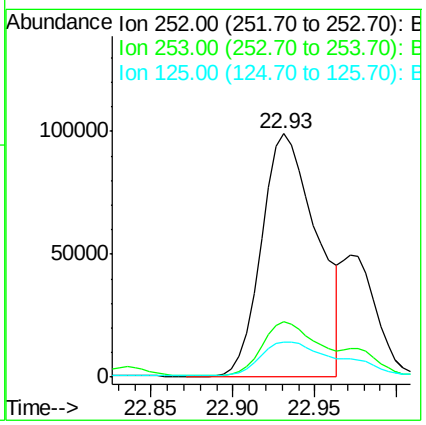
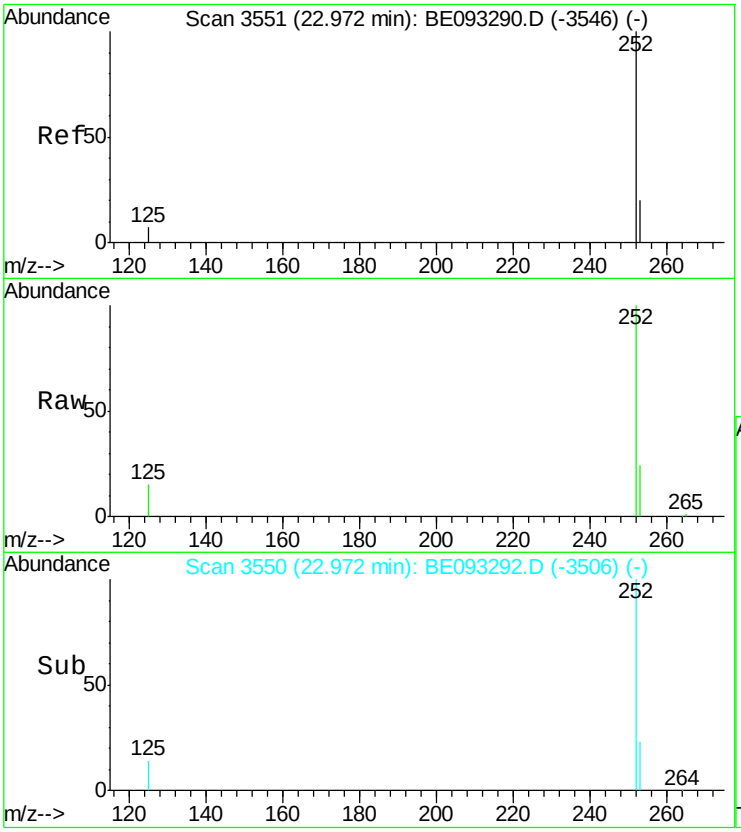



#21
Benzo(b)fluoranthene
Concen: 6.145 ng/ul
RT: 22.93 min Scan# 3541
Delta R.T. 0.00 min
Lab File: BE093292.D
Acq: 20 Jun 2017 21:39

Tgt Ion:252 Resp: 231781

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 0.0 | 64.2 |
| 125 | 14.5 | 0.0 | 35.0 |






#22
Benzo(k)fluoranthene
Concen: 1.854 ng/ul m
RT: 22.97 min Scan# 3550
Delta R.T. 0.00 min
Lab File: BE093292.D
Acq: 20 Jun 2017 21:39

Tgt Ion:252 Resp: 74260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.6 | 24.5 | 36.7# |
| 125 | 15.4 | 13.7 | 20.5 |

**Instrument :**
BNA_E
**ClientSampleId :**
F5B06

**Manual Integrations APPROVED**
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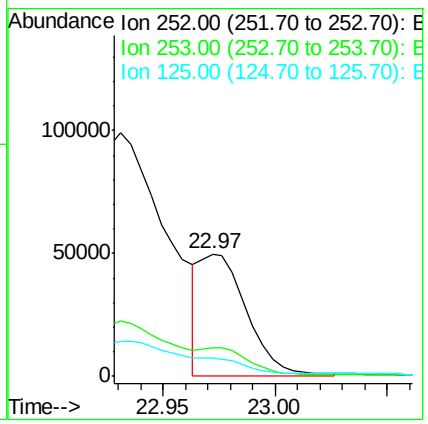
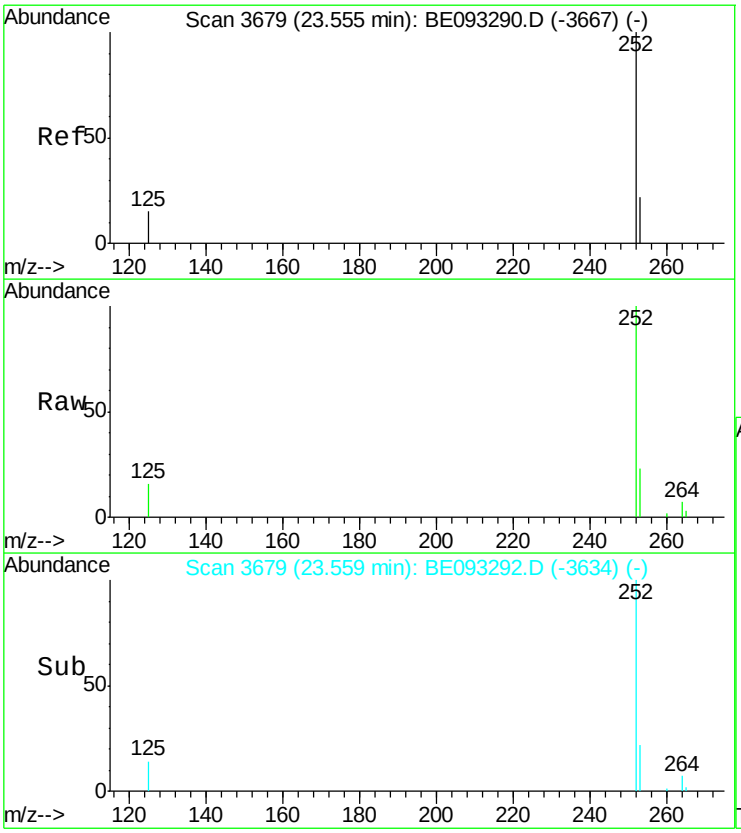
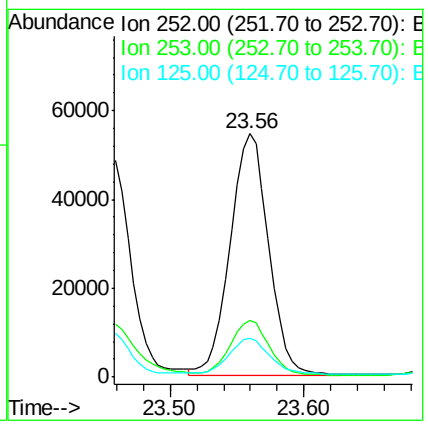


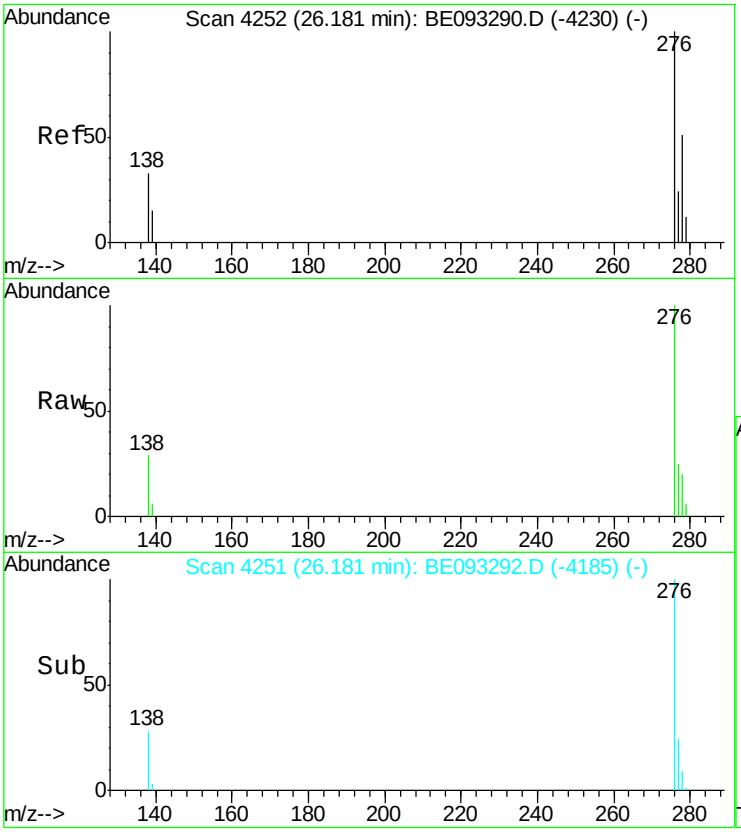




#23
Benzo(a)pyrene
Concen: 3.062 ng/ul m
RT: 23.56 min Scan# 3679
Delta R.T. 0.00 min
Lab File: BE093292.D
Acq: 20 Jun 2017 21:39

Tgt Ion:252 Resp: 109217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 28.5 | 42.7# |
| 125 | 15.9 | 18.1 | 27.1# |






#24
Indeno(1,2,3-cd)pyrene
Concen: 1.796 ng/ul m
RT: 26.18 min Scan# 4251
Delta R.T. 0.00 min
Lab File: BE093292.D
Acq: 20 Jun 2017 21:39

Tgt Ion:276 Resp: 74181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 3.4 | 28.0 | 42.0# |
| 227 | 0.0 | 8.0 | 12.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
F5B06

**Manual Integrations APPROVED**
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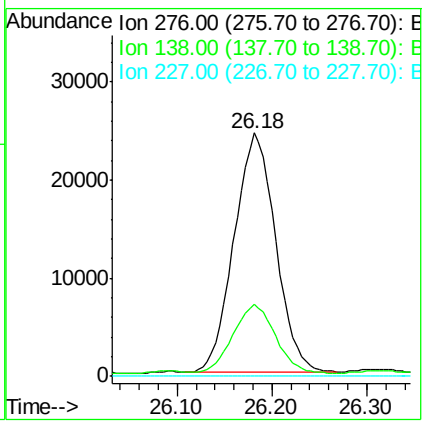
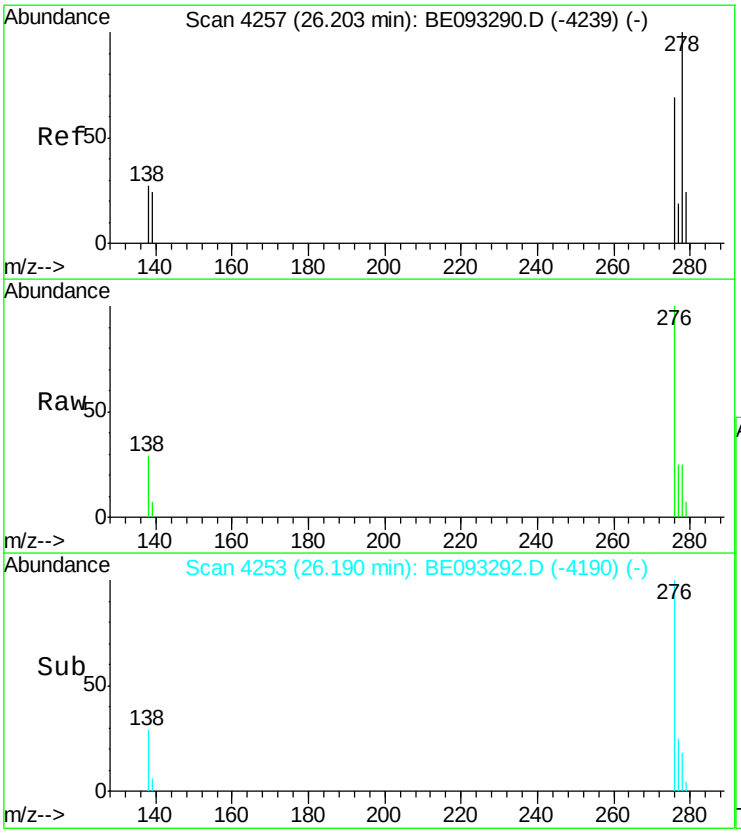
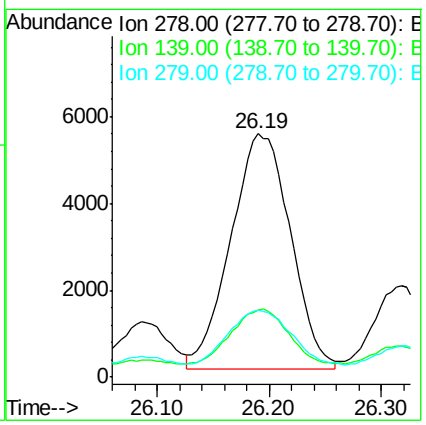


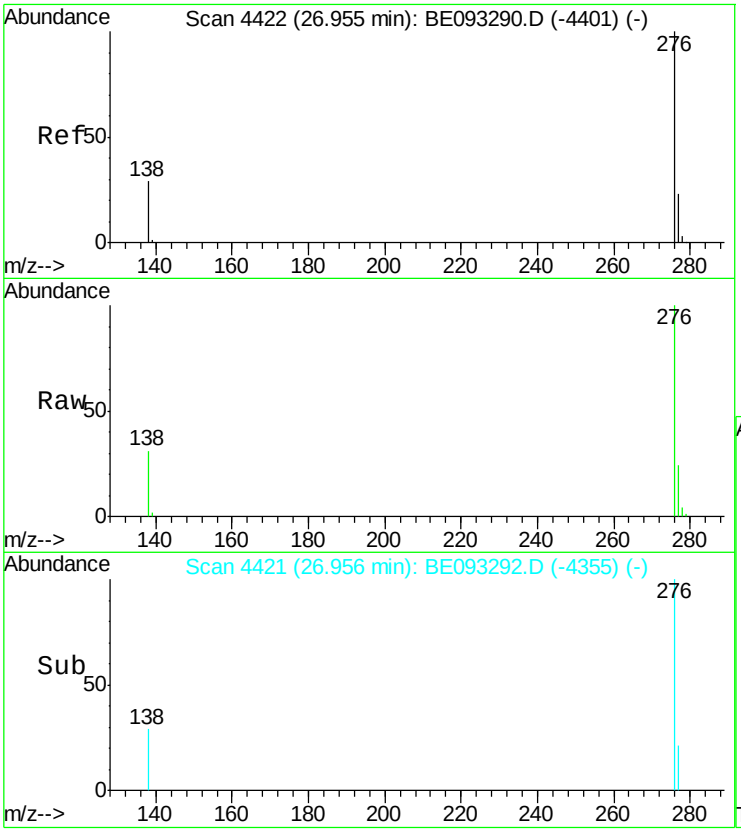




#25
Dibenzo(a,h)anthracene
Concen: 0.578 ng/ul m
RT: 26.19 min Scan# 4253
Delta R.T. -0.01 min
Lab File: BE093292.D
Acq: 20 Jun 2017 21:39

Tgt Ion:278 Resp: 20110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 27.5 | 17.4 | 26.0# |
| 279 | 27.8 | 25.9 | 38.9 |

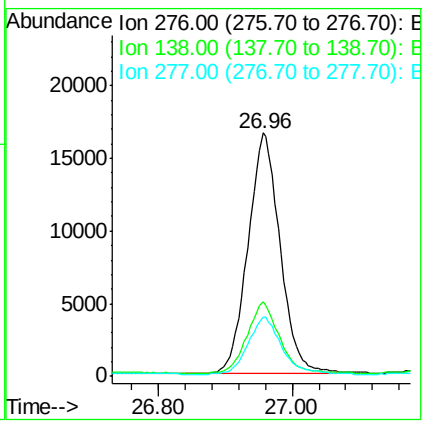





#26
Benzo(g,h,i)perylene
Concen: 1.559 ng/ul
RT: 26.96 min Scan# 4421
Delta R.T. 0.00 min
Lab File: BE093292.D
Acq: 20 Jun 2017 21:39

Tgt Ion:276 Resp: 55216

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




**Instrument :**
BNA_E
**ClientSampleId :**
F5B06

**Manual Integrations APPROVED**
mohammad
6/21/2017 12:18:55 PM