Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072417\
Data File : BE093549.D
Acq On : 24 Jul 2017 21:47
Operator : SJ/JU
Sample : I4213-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
C0B29

**Manual Integrations APPROVED**
Sohil
7/25/2017 5:33:11 PM

Quant Time: Jul 25 04:23:40 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 24 18:07:15 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.93 | 152 | 3771 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.71 | 136 | 20323 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.53 | 164 | 13284 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.26 | 188 | 30586m | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.42 | 240 | 34550 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.92 | 264 | 30829m | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.29 | 152 | 8761 | 0.27 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.28 | 212 | 29286 | 0.30 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.76 | 128 | 2309 | 0.047 | ng/ul# | 93 |
| 7) Acenaphthylene | 14.25 | 152 | 3019 | 0.054 | ng/ul | 97 |
| 9) Fluorene | 15.57 | 166 | 1476 | 0.027 | ng/ul | 92 |
| 12) Phenanthrene | 17.29 | 178 | 18479m | 0.222 | ng/ul | |
| 13) Anthracene | 17.40 | 178 | 10161 | 0.125 | ng/ul | 94 |
| 15) Fluoranthene | 19.31 | 202 | 73276 | 0.703 | ng/ul | 83 |
| 17) Pyrene | 19.67 | 202 | 63060 | 0.625 | ng/ul# | 81 |
| 18) Benzo(a)anthracene | 21.40 | 228 | 56658 | 0.566 | ng/ul# | 87 |
| 19) Chrysene | 21.45 | 228 | 76574 | 0.797 | ng/ul | 99 |
| 21) Benzo(b)fluoranthene | 23.15 | 252 | 58557 | 0.614 | ng/ul | 88 |
| 22) Benzo(k)fluoranthene | 23.20 | 252 | 24496m | 0.260 | ng/ul | |
| 23) Benzo(a)pyrene | 23.81 | 252 | 38947m | 0.429 | ng/ul | |
| 24) Indeno(1,2,3-cd)pyrene | 26.55 | 276 | 19348m | 0.193 | ng/ul | |
| 25) Dibenzo(a,h)anthracene | 26.57 | 278 | 5266m | 0.063 | ng/ul | |
| 26) Benzo(g,h,i)perylene | 27.38 | 276 | 14955m | 0.177 | ng/ul | |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072417\
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Acq On : 24 Jul 2017 21:47
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Sample : I4213-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

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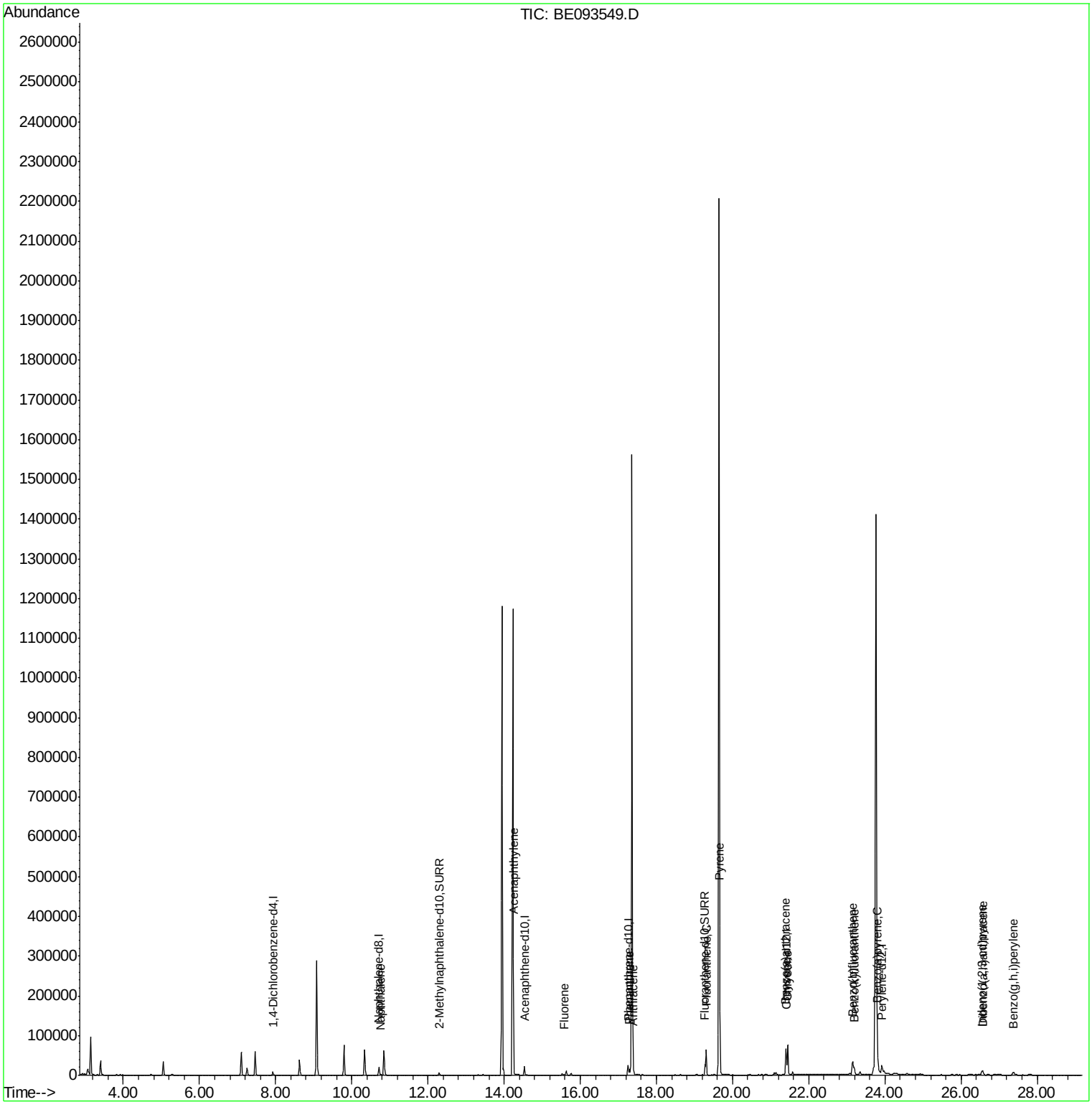

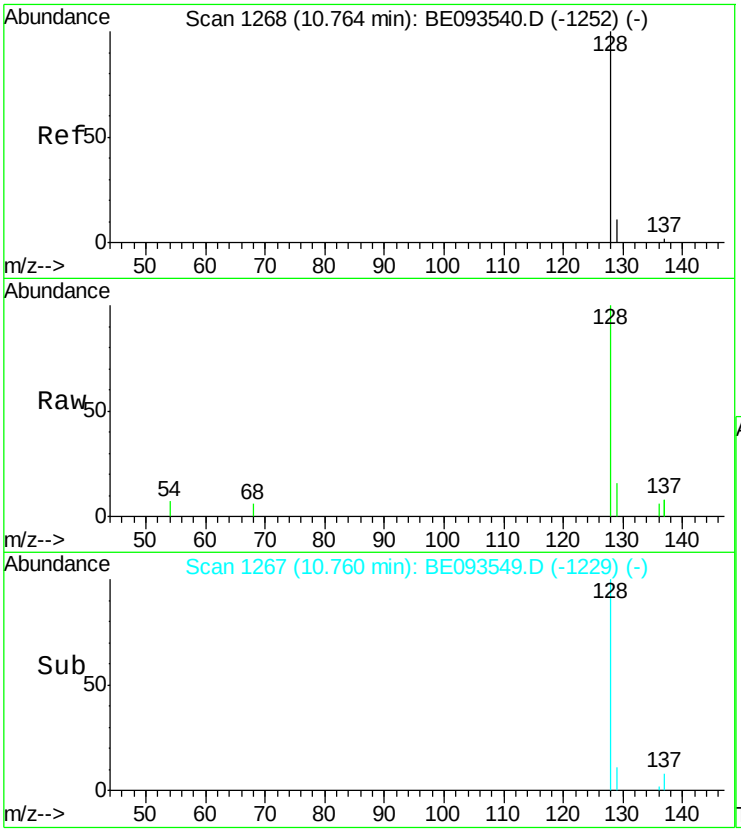


#3
Naphthalene
Concen: 0.047 ng/ul
RT: 10.76 min Scan# 1267
Delta R.T. -0.00 min
Lab File: BE093549.D
Acq: 24 Jul 2017 21:47

Tgt Ion:128 Resp: 2309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 16.1 | 11.3 | 16.9 |
| 127 | 0.0 | 4.0 | 6.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
C0B29

**Manual Integrations APPROVED**
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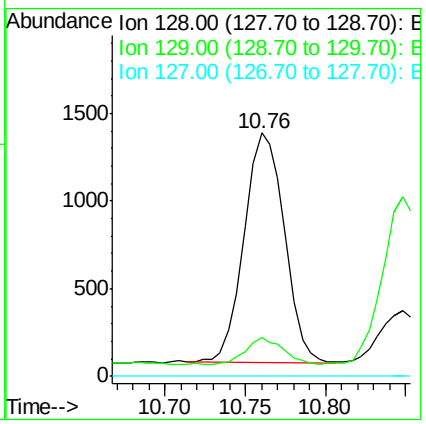
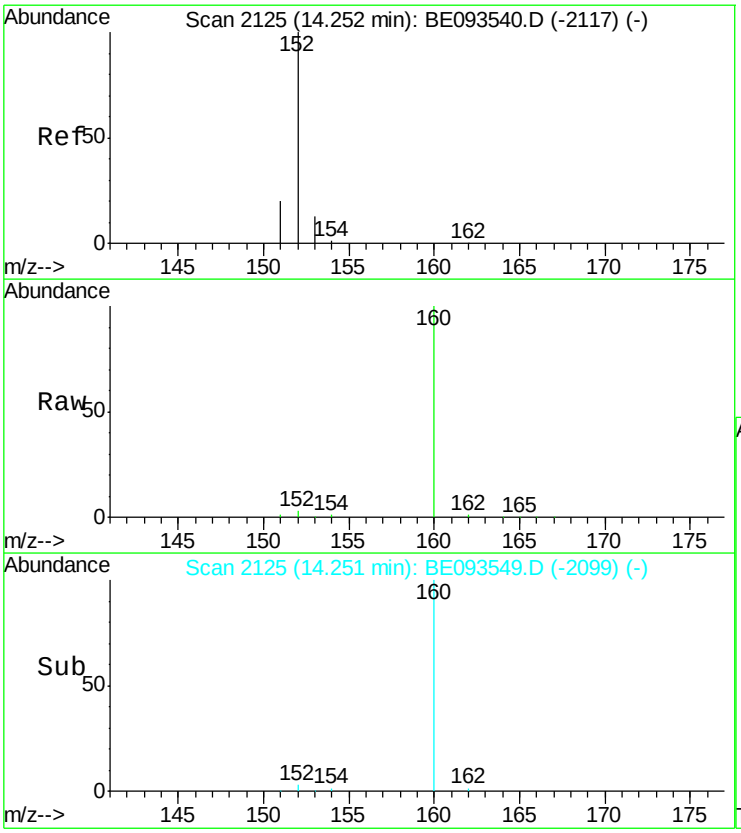
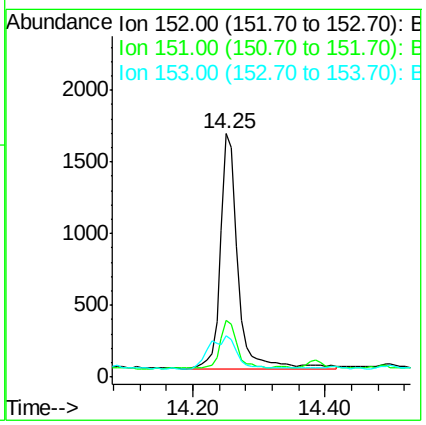


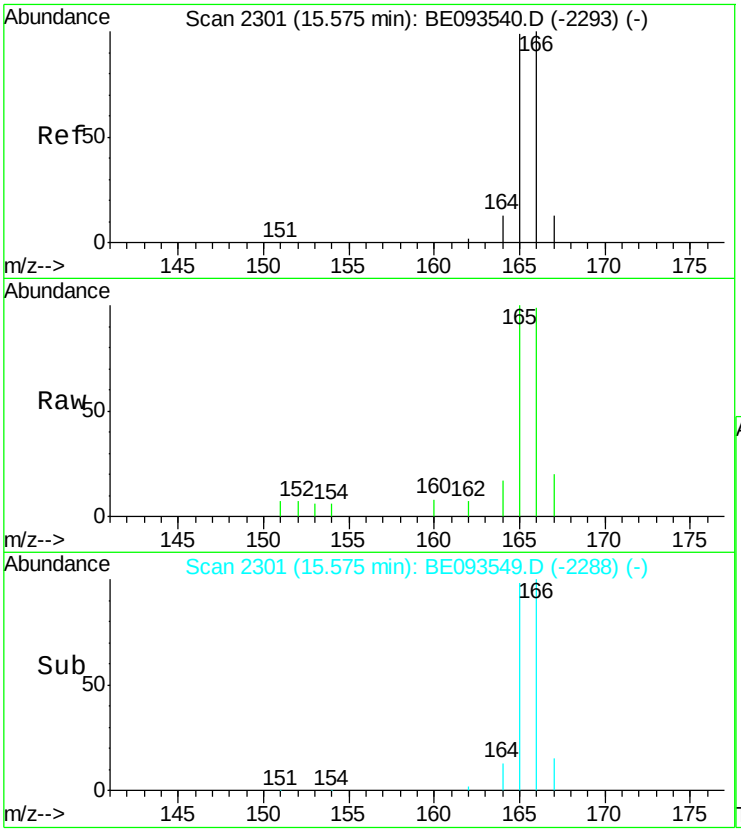




#7
Acenaphthylene
Concen: 0.054 ng/ul
RT: 14.25 min Scan# 2125
Delta R.T. -0.00 min
Lab File: BE093549.D
Acq: 24 Jul 2017 21:47

Tgt Ion:152 Resp: 3019

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 23.2 | 17.1 | 25.7 |
| 153 | 16.7 | 12.8 | 19.2 |

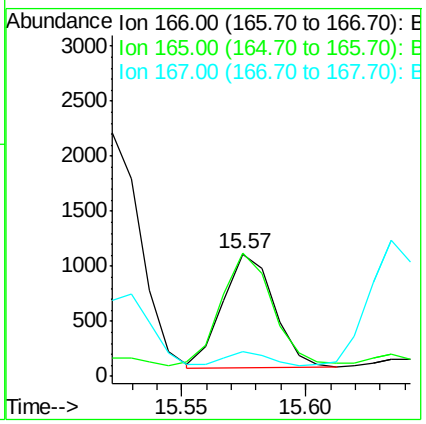





#9
Fluorene
Concen: 0.027 ng/ul
RT: 15.57 min Scan# 2301
Delta R.T. -0.00 min
Lab File: BE093549.D
Acq: 24 Jul 2017 21:47

Tgt Ion:166 Resp: 1476

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.7 | 73.4 | 110.2 |
| 167 | 19.8 | 14.6 | 22.0 |




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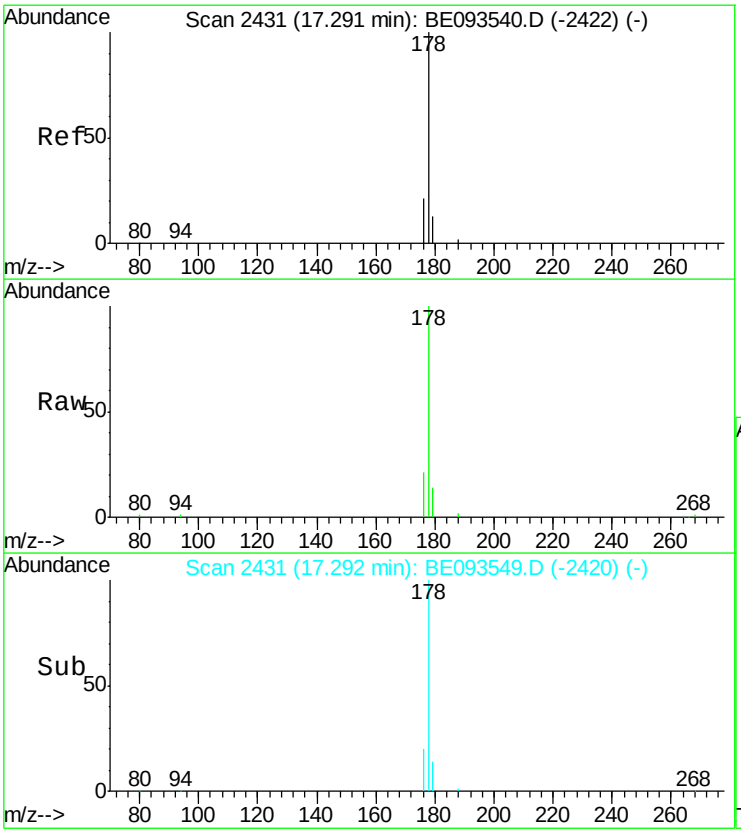
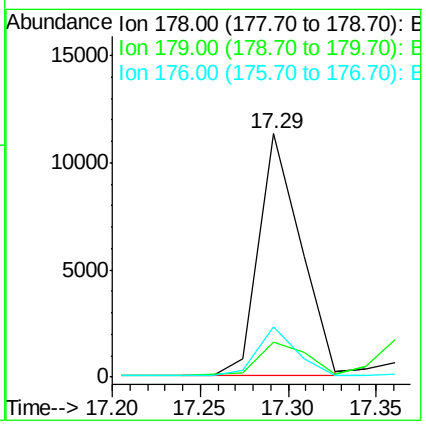
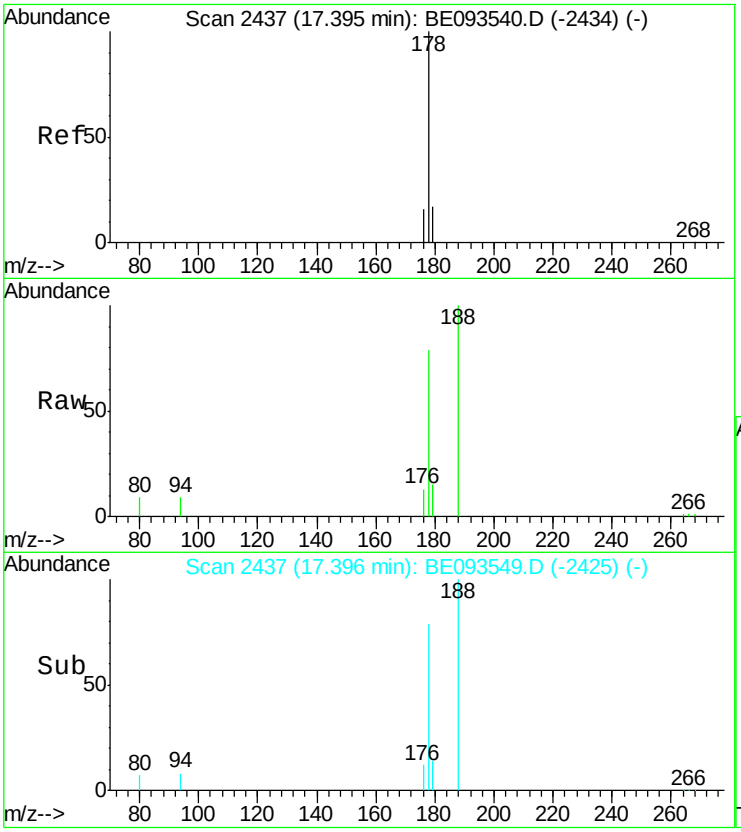



#12
Phenanthrene
Concen: 0.222 ng/ul m
RT: 17.29 min Scan# 2431
Delta R.T. -0.02 min
Lab File: BE093549.D
Acq: 24 Jul 2017 21:47

Tgt Ion:178 Resp: 18479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 14.4 | 18.4 | 27.6# |
| 176 | 20.9 | 13.6 | 20.4# |






#13
Anthracene
Concen: 0.125 ng/ul
RT: 17.40 min Scan# 2437
Delta R.T. 0.00 min
Lab File: BE093549.D
Acq: 24 Jul 2017 21:47

Tgt Ion:178 Resp: 10161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 19.2 | 18.1 | 27.1 |
| 176 | 16.1 | 14.7 | 22.1 |

**Instrument :**
BNA_E
**ClientSampleId :**
C0B29

**Manual Integrations APPROVED**
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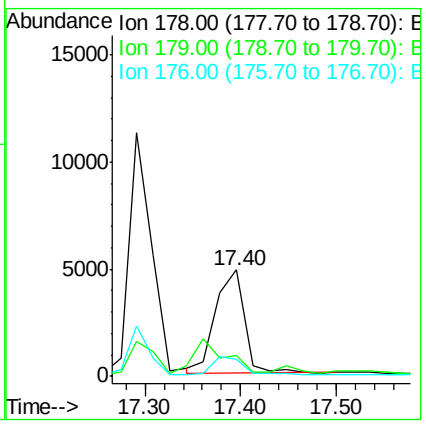
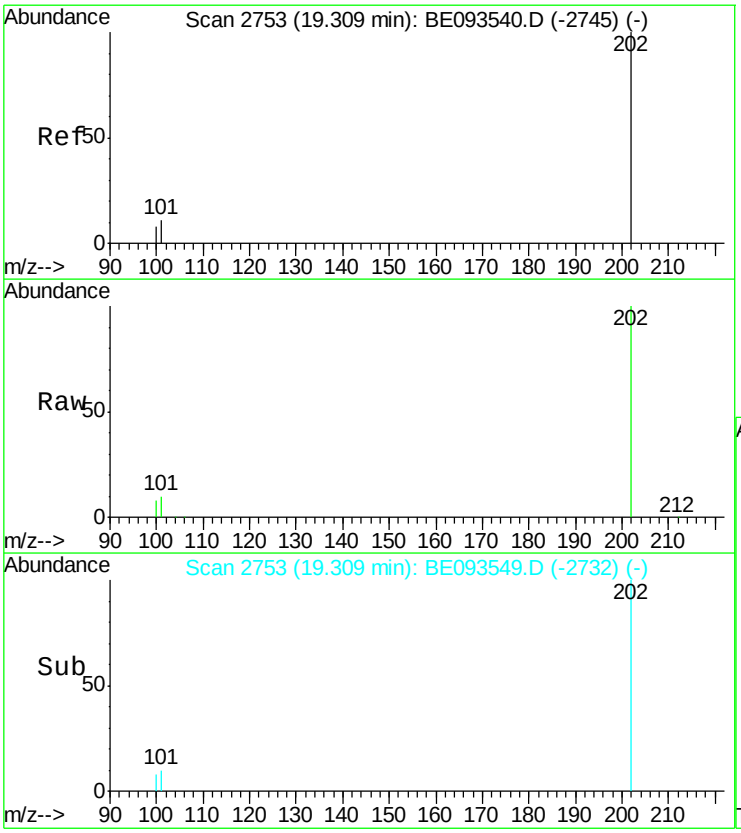
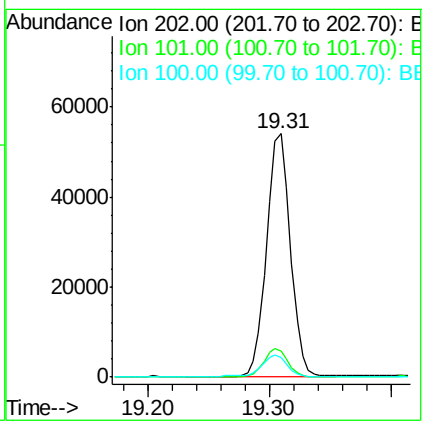


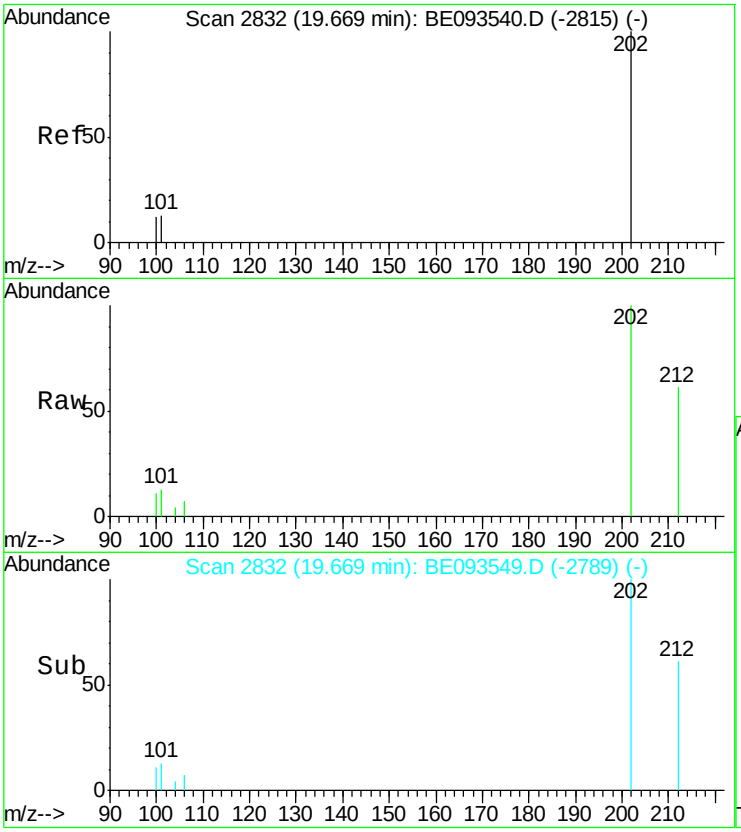




#15
Fluoranthene
Concen: 0.703 ng/ul
RT: 19.31 min Scan# 2753
Delta R.T. -0.00 min
Lab File: BE093549.D
Acq: 24 Jul 2017 21:47

Tgt Ion:202 Resp: 73276

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.5 | 0.0 | 30.3 |
| 100 | 8.0 | 0.0 | 39.5 |






#17
Pyrene
Concen: 0.625 ng/ul
RT: 19.67 min Scan# 2832
Delta R.T. -0.00 min
Lab File: BE093549.D
Acq: 24 Jul 2017 21:47

Tgt Ion:202 Resp: 63060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.1 | 18.2 | 27.4# |
| 100 | 11.4 | 15.6 | 23.4# |

**Instrument :**
BNA_E
**ClientSampleId :**
C0B29

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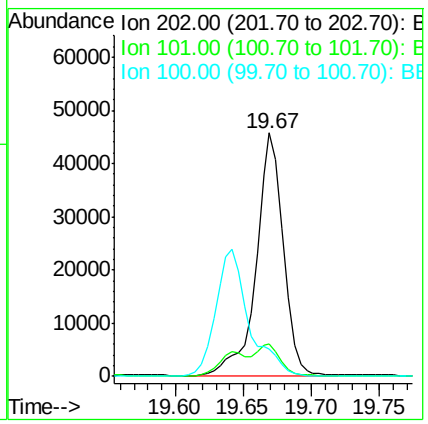
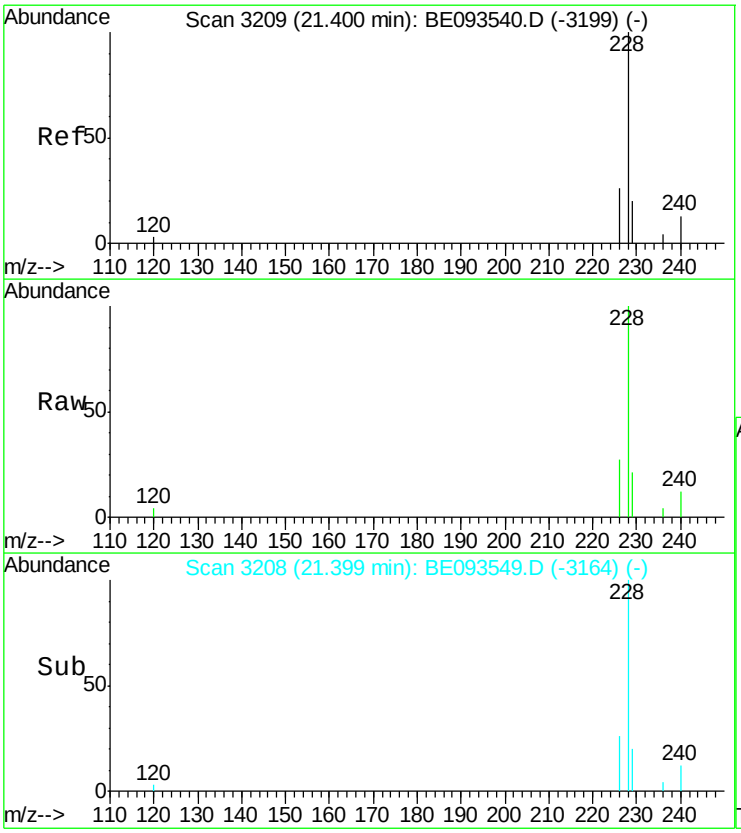
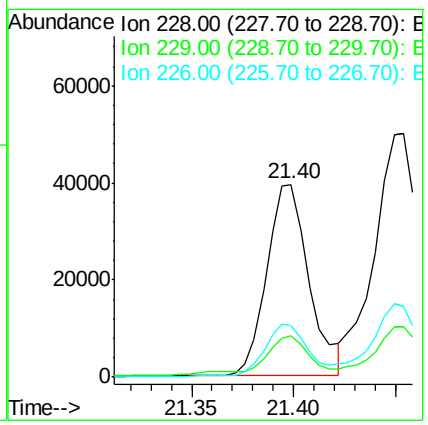


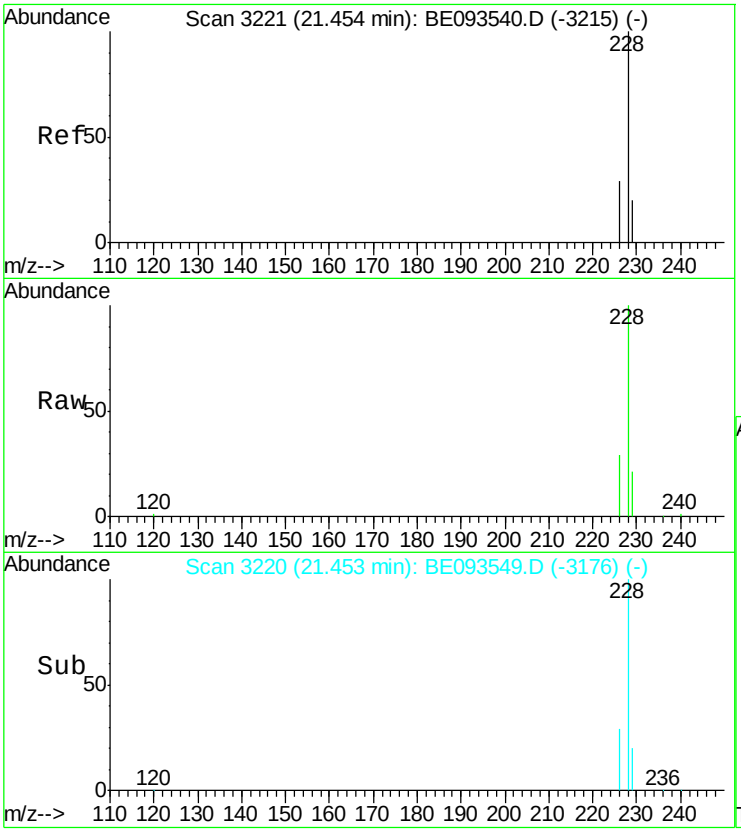




#18
Benzo(a)anthracene
Concen: 0.566 ng/ul
RT: 21.40 min Scan# 3208
Delta R.T. -0.00 min
Lab File: BE093549.D
Acq: 24 Jul 2017 21:47

Tgt Ion:228 Resp: 56658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.2 | 22.8 | 34.2# |
| 226 | 26.6 | 17.0 | 25.6# |

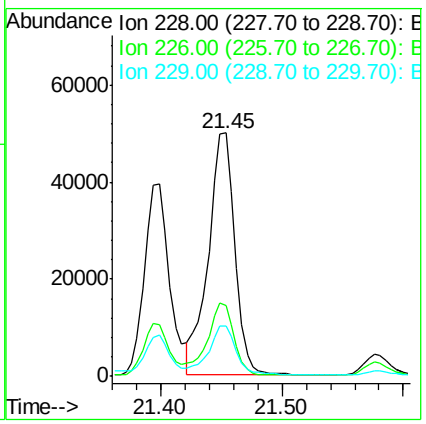





#19
Chrysene
Concen: 0.797 ng/ul
RT: 21.45 min Scan# 3220
Delta R.T. -0.00 min
Lab File: BE093549.D
Acq: 24 Jul 2017 21:47

Tgt Ion:228 Resp: 76574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.2 | 23.4 | 35.0 |
| 229 | 20.8 | 17.7 | 26.5 |




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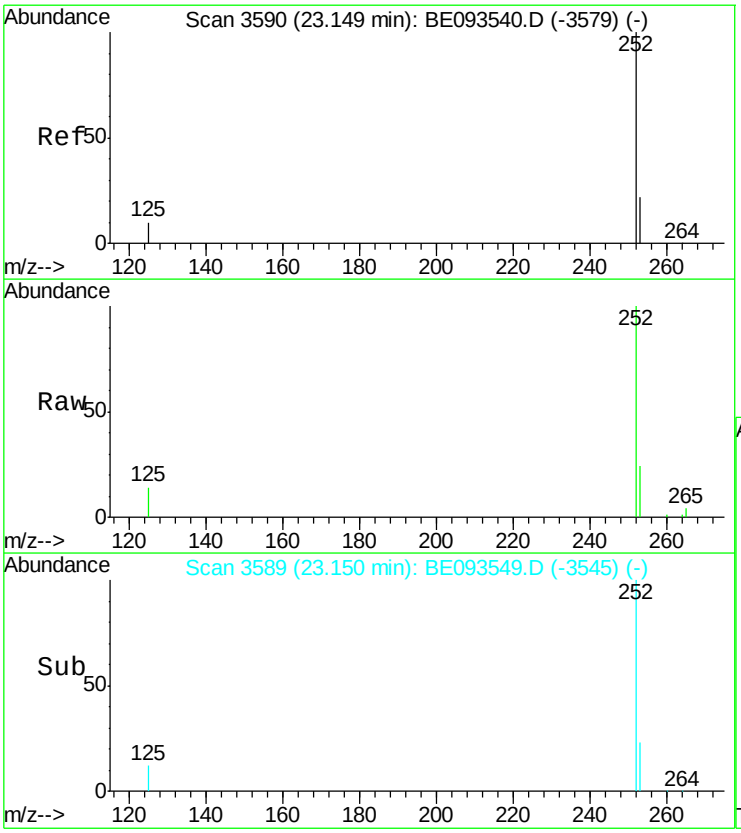
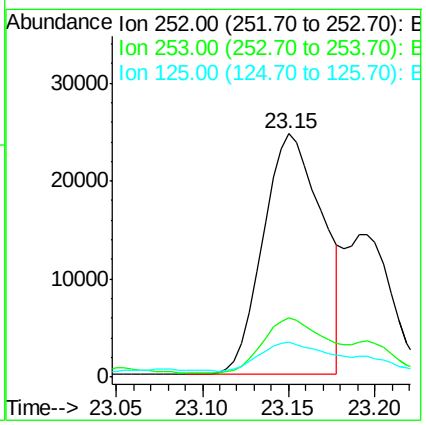
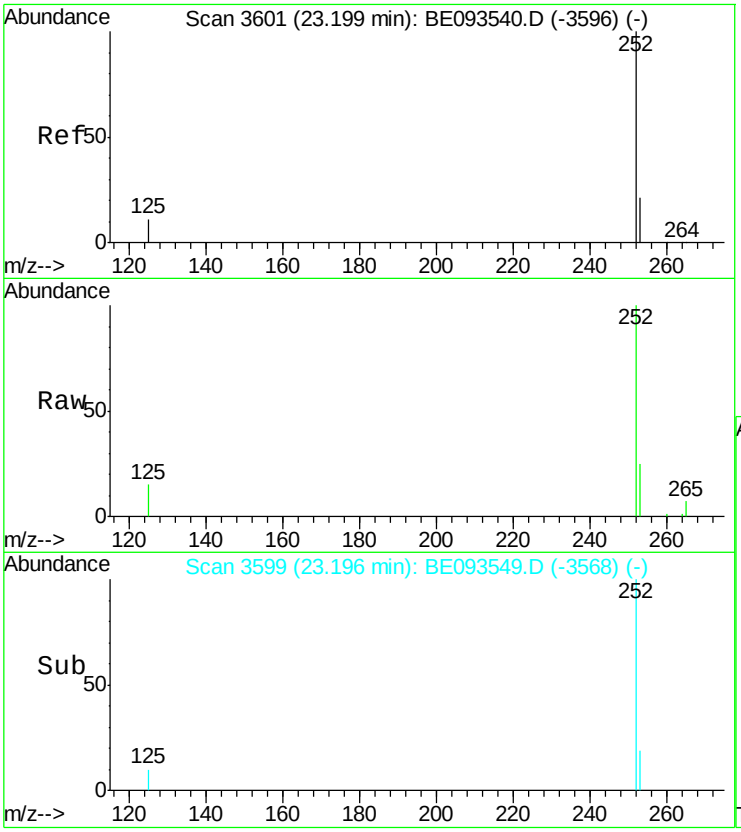



#21
Benzo(b)fluoranthene
Concen: 0.614 ng/ul
RT: 23.15 min Scan# 3589
Delta R.T. 0.00 min
Lab File: BE093549.D
Acq: 24 Jul 2017 21:47

Tgt Ion:252 Resp: 58557

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.4 | 0.0 | 64.2 |
| 125 | 14.2 | 0.0 | 35.0 |

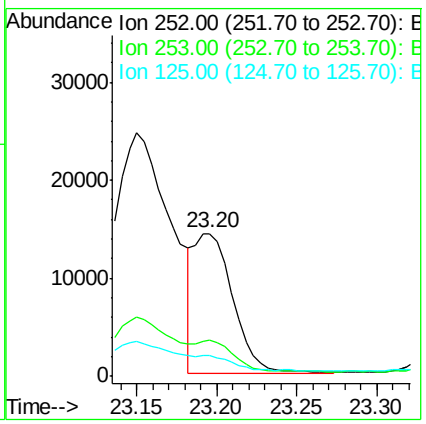





#22
Benzo(k)fluoranthene
Concen: 0.260 ng/ul m
RT: 23.20 min Scan# 3599
Delta R.T. -0.01 min
Lab File: BE093549.D
Acq: 24 Jul 2017 21:47

Tgt Ion:252 Resp: 24496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.5 | 24.5 | 36.7 |
| 125 | 14.5 | 13.7 | 20.5 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0B29

**Manual Integrations APPROVED**
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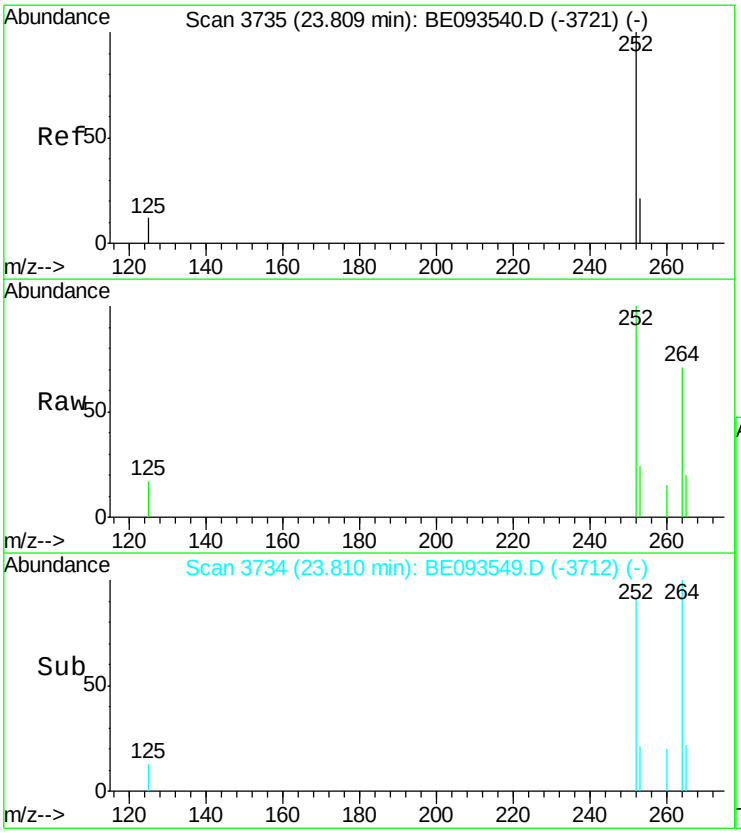
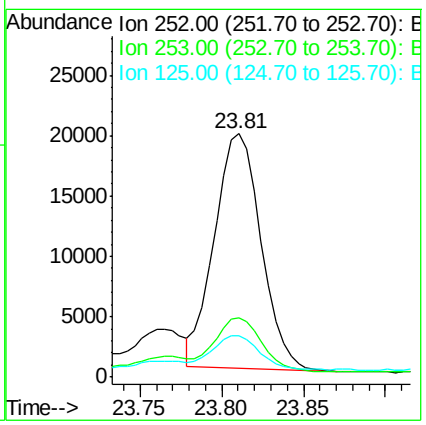
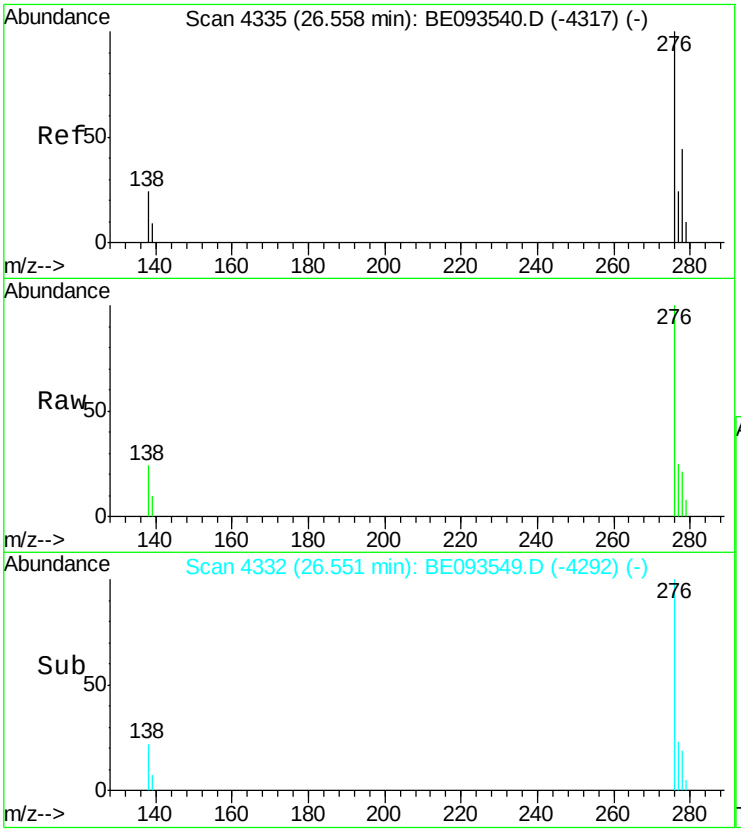



#23
Benzo(a)pyrene
Concen: 0.429 ng/ul m
RT: 23.81 min Scan# 3734
Delta R.T. 0.00 min
Lab File: BE093549.D
Acq: 24 Jul 2017 21:47

Tgt Ion:252 Resp: 38947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.3 | 28.5 | 42.7# |
| 125 | 16.7 | 18.1 | 27.1# |






#24
Indeno(1,2,3-cd)pyrene
Concen: 0.193 ng/ul m
RT: 26.55 min Scan# 4332
Delta R.T. -0.02 min
Lab File: BE093549.D
Acq: 24 Jul 2017 21:47

Tgt Ion:276 Resp: 19348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 1.9 | 28.0 | 42.0# |
| 227 | 0.0 | 8.0 | 12.0# |

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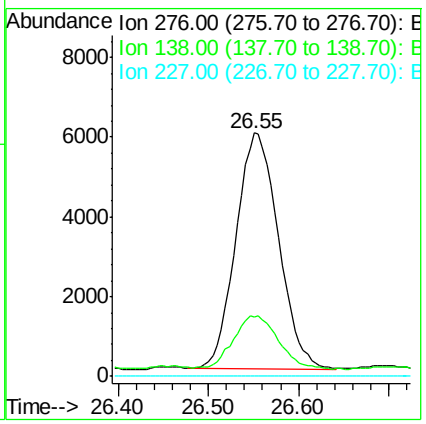
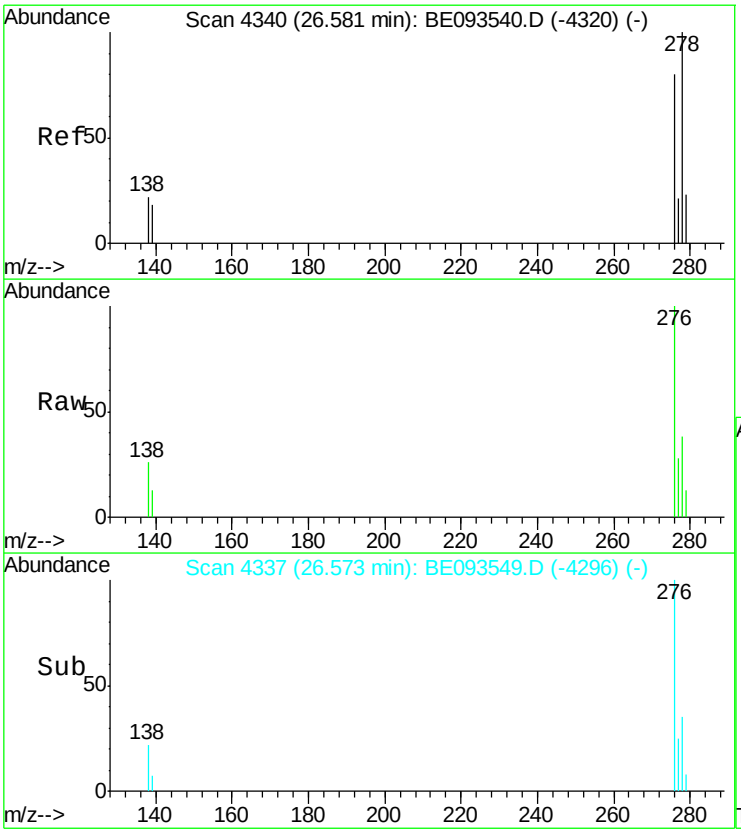
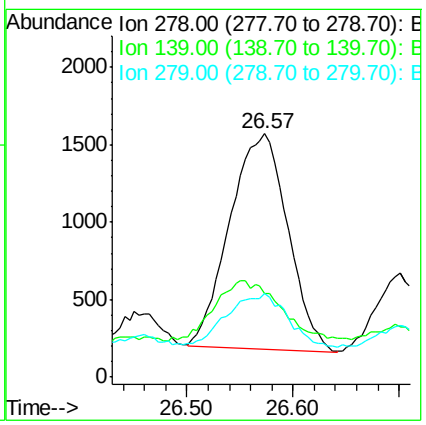


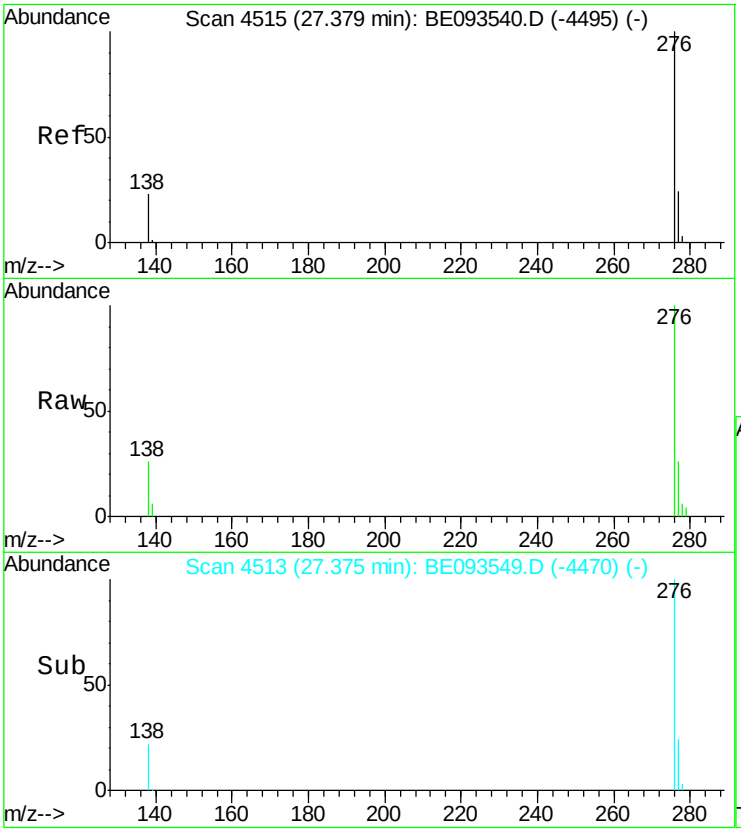




#25
Dibenzo(a,h)anthracene
Concen: 0.063 ng/ul m
RT: 26.57 min Scan# 4337
Delta R.T. -0.01 min
Lab File: BE093549.D
Acq: 24 Jul 2017 21:47

Tgt Ion:278 Resp: 5266

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 34.4 | 17.4 | 26.0# |
| 279 | 34.1 | 25.9 | 38.9 |

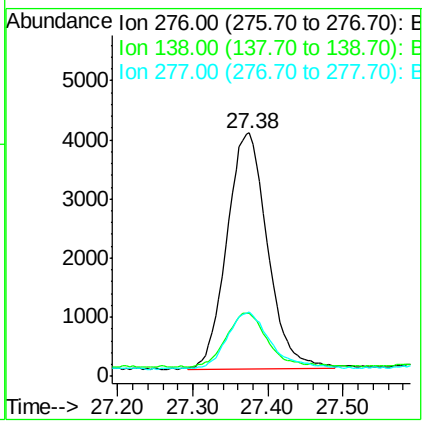





#26
Benzo(g,h,i)perylene
Concen: 0.177 ng/ul m
RT: 27.38 min Scan# 4513
Delta R.T. -0.00 min
Lab File: BE093549.D
Acq: 24 Jul 2017 21:47

Tgt Ion:276 Resp: 14955

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.0 | 21.8 | 32.8 |
| 277 | 26.2 | 20.5 | 30.7 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0B29

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