Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072517\
Data File : BE093578.D
Acq On : 25 Jul 2017 15:35
Operator : SJ/JU
Sample : I4209-15
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
C0B18

**Manual Integrations APPROVED**
Sohil
7/26/2017 5:55:45 PM

Quant Time: Jul 25 18:09:42 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 18:00:47 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.93 | 152 | 2490 | 0.40 | ng/ul | 0.00 |
| 2) Naphthalene-d8 | 10.71 | 136 | 12892 | 0.40 | ng/ul | 0.00 |
| 6) Acenaphthene-d10 | 14.53 | 164 | 8465 | 0.40 | ng/ul | 0.00 |
| 10) Phenanthrene-d10 | 17.26 | 188 | 19915m | 0.40 | ng/ul | 0.00 |
| 16) Chrysene-d12 | 21.41 | 240 | 21241 | 0.40 | ng/ul | 0.00 |
| 20) Perylene-d12 | 23.91 | 264 | 17752m | 0.40 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.29 | 152 | 5155 | 0.25 | ng/ul | 0.00 |
| 14) Fluoranthene-d10 | 19.28 | 212 | 17458 | 0.28 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.76 | 128 | 2092 | 0.067 | ng/ul# | 96 |
| 12) Phenanthrene | 17.29 | 178 | 1400 | 0.026 | ng/ul# | 91 |
| 15) Fluoranthene | 19.30 | 202 | 2448 | 0.036 | ng/ul | 87 |
| 17) Pyrene | 19.67 | 202 | 2940 | 0.047 | ng/ul# | 90 |
| 18) Benzo(a)anthracene | 21.40 | 228 | 1932 | 0.031 | ng/ul# | 89 |
| 19) Chrysene | 21.45 | 228 | 1978 | 0.033 | ng/ul# | 89 |
| 21) Benzo(b)fluoranthene | 23.14 | 252 | 3182 | 0.058 | ng/ul# | 74 |
| 23) Benzo(a)pyrene | 23.80 | 252 | 2789m | 0.053 | ng/ul | |
| 24) Indeno(1,2,3-cd)pyrene | 26.55 | 276 | 1832m | 0.032 | ng/ul | |
| 26) Benzo(g,h,i)perylene | 27.36 | 276 | 1767m | 0.036 | ng/ul | |

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072517\
Data File : BE093578.D
Acq On : 25 Jul 2017 15:35
Operator : SJ/JU
Sample : I4209-15
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 25 18:09:42 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM-EPA-SIM-BE072417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 18:00:47 2017
Response via : Initial Calibration

**Instrument :**
BNA_E
**ClientSampleId :**
C0B18

**Manual Integrations APPROVED**
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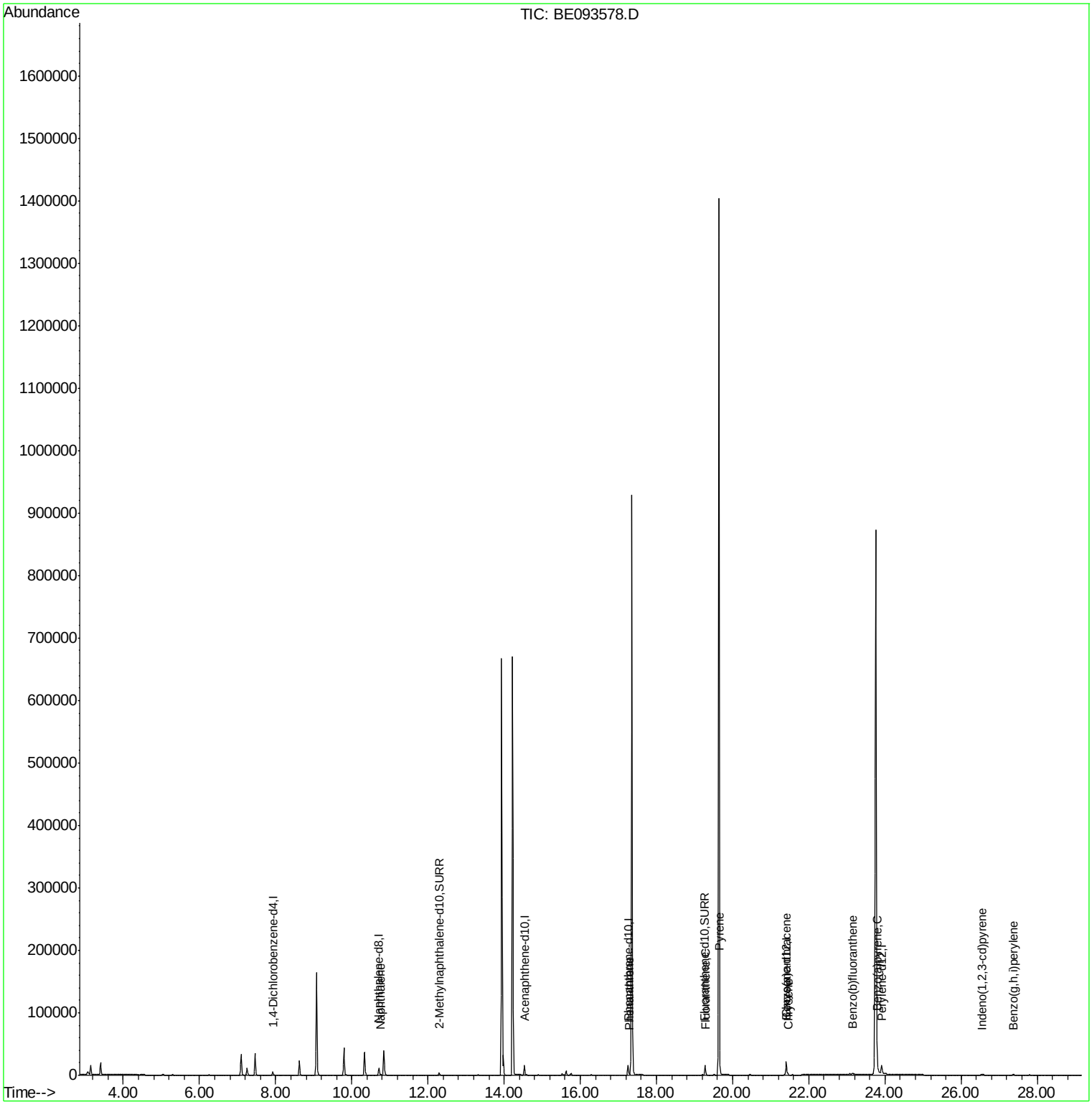

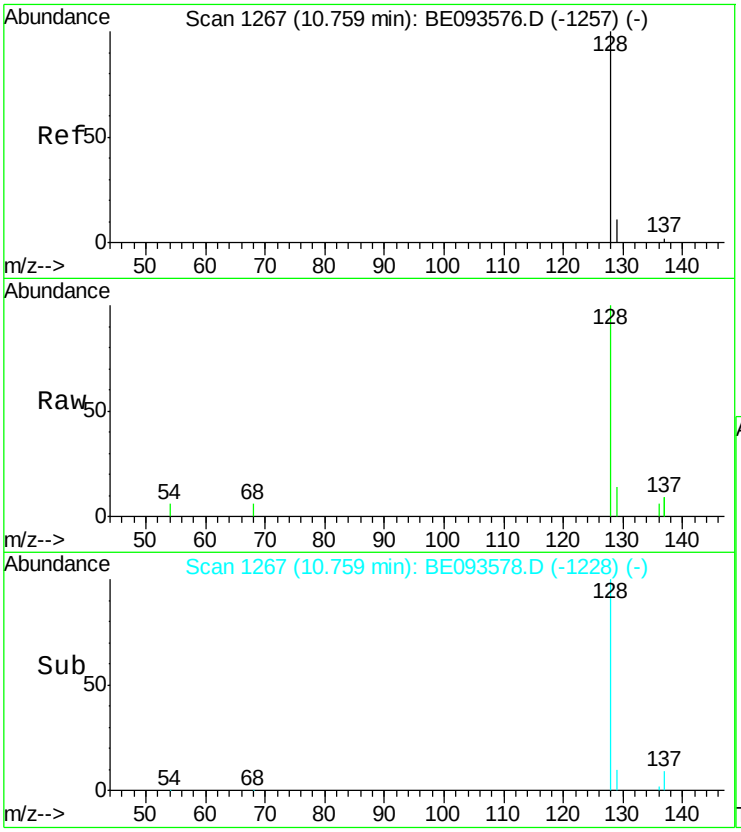


#3
Naphthalene
Concen: 0.067 ng/ul
RT: 10.76 min Scan# 1267
Delta R.T. 0.00 min
Lab File: BE093578.D
Acq: 25 Jul 2017 15:35

Tgt Ion:128 Resp: 2092

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 14.4 | 11.3 | 16.9 |
| 127 | 0.0 | 4.0 | 6.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
C0B18

**Manual Integrations APPROVED**
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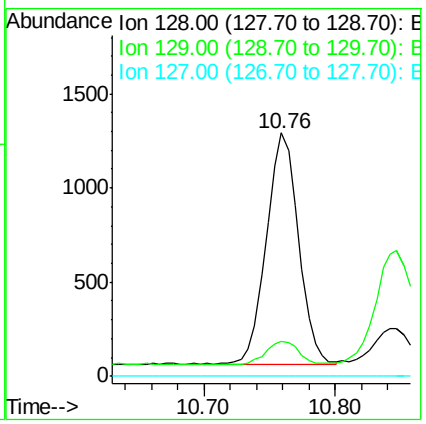
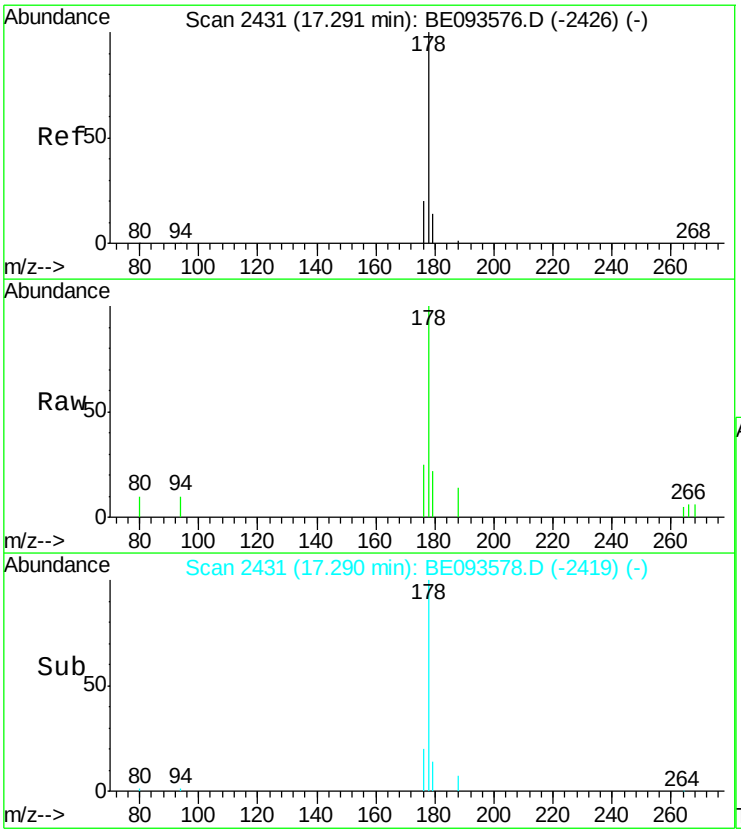
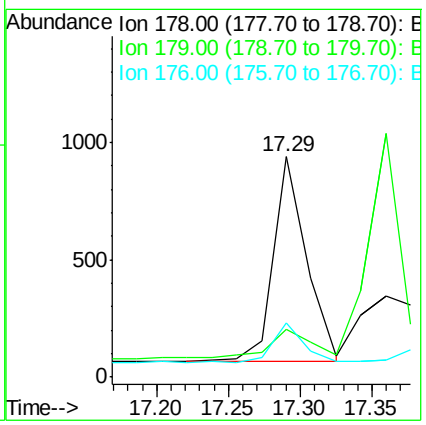


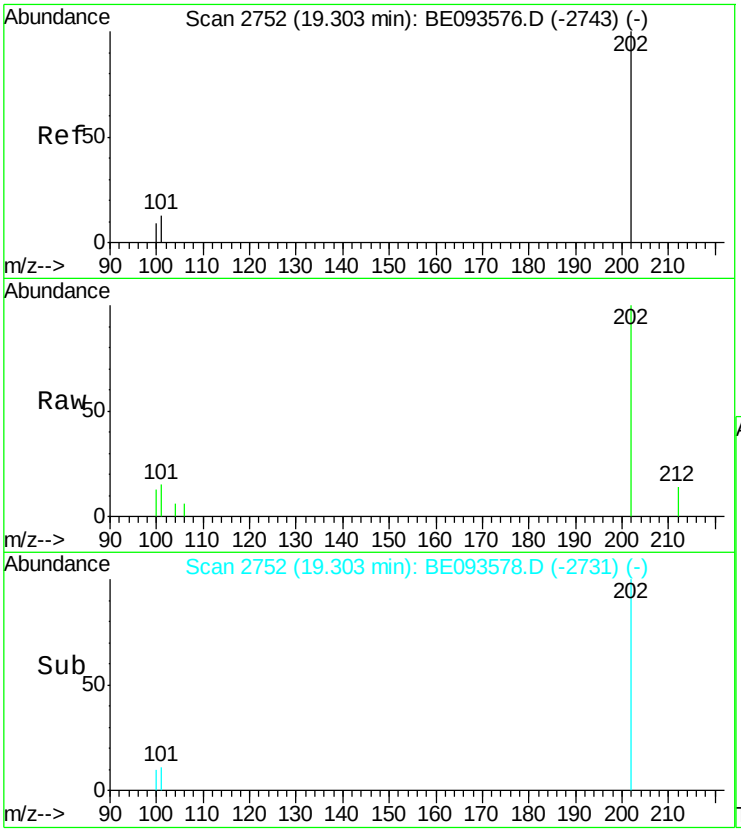




#12
Phenanthrene
Concen: 0.026 ng/ul
RT: 17.29 min Scan# 2431
Delta R.T. -0.00 min
Lab File: BE093578.D
Acq: 25 Jul 2017 15:35

Tgt Ion:178 Resp: 1400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 21.8 | 18.4 | 27.6 |
| 176 | 24.7 | 13.6 | 20.4# |

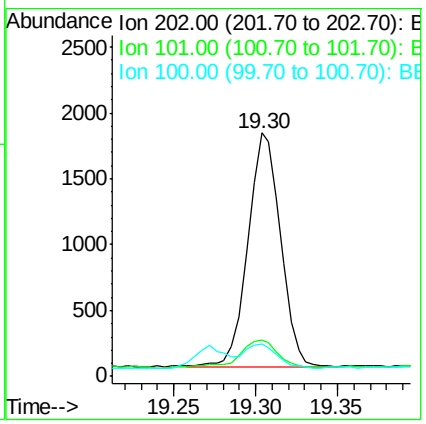





#15
Fluoranthene
Concen: 0.036 ng/ul
RT: 19.30 min Scan# 2752
Delta R.T. -0.00 min
Lab File: BE093578.D
Acq: 25 Jul 2017 15:35

Tgt Ion:202 Resp: 2448

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.8 | 0.0 | 30.3 |
| 100 | 13.4 | 0.0 | 39.5 |




**Instrument :**
BNA_E
**ClientSampleId :**
C0B18

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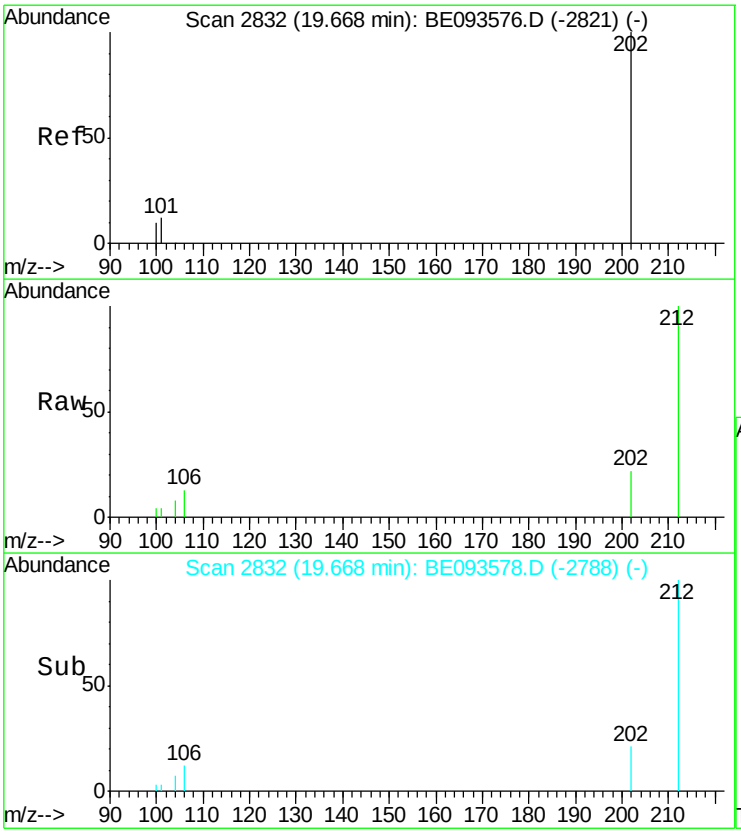
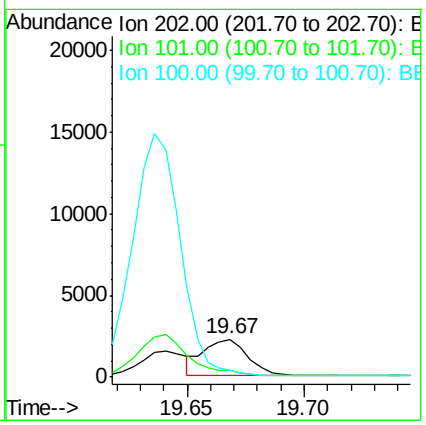
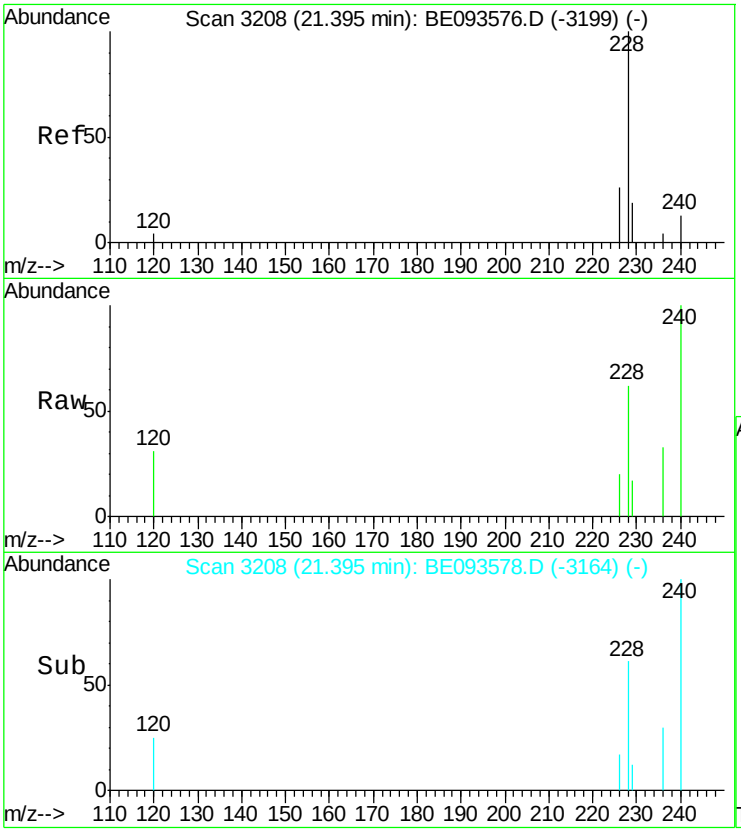



#17
Pyrene
Concen: 0.047 ng/ul
RT: 19.67 min Scan# 2832
Delta R.T. 0.00 min
Lab File: BE093578.D
Acq: 25 Jul 2017 15:35

Tgt Ion:202 Resp: 2940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 16.6 | 18.2 | 27.4# |
| 100 | 16.4 | 15.6 | 23.4 |






#18
Benzo(a)anthracene
Concen: 0.031 ng/ul
RT: 21.40 min Scan# 3208
Delta R.T. 0.00 min
Lab File: BE093578.D
Acq: 25 Jul 2017 15:35

Tgt Ion:228 Resp: 1932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 27.6 | 22.8 | 34.2 |
| 226 | 32.8 | 17.0 | 25.6# |

**Instrument :**
BNA_E
**ClientSampleId :**
C0B18

**Manual Integrations APPROVED**
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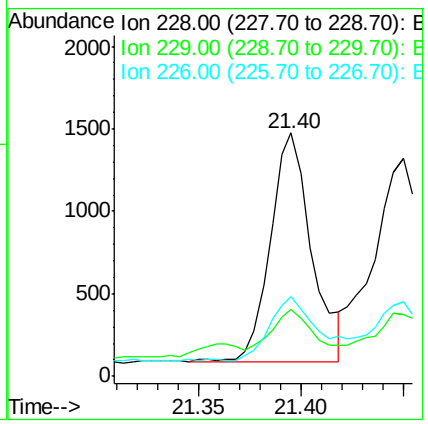
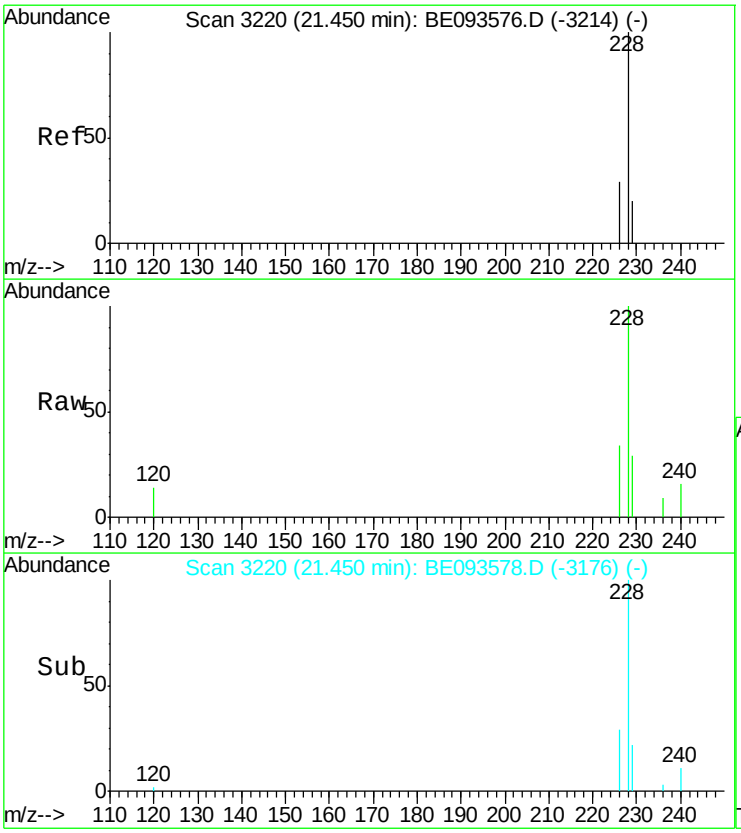
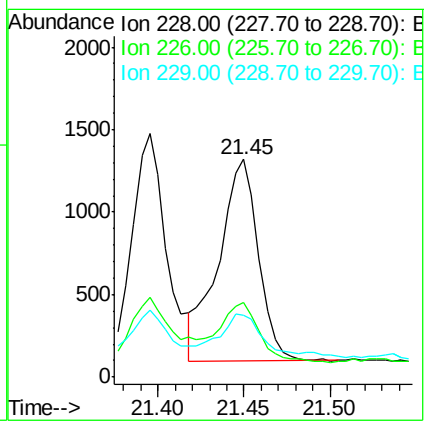


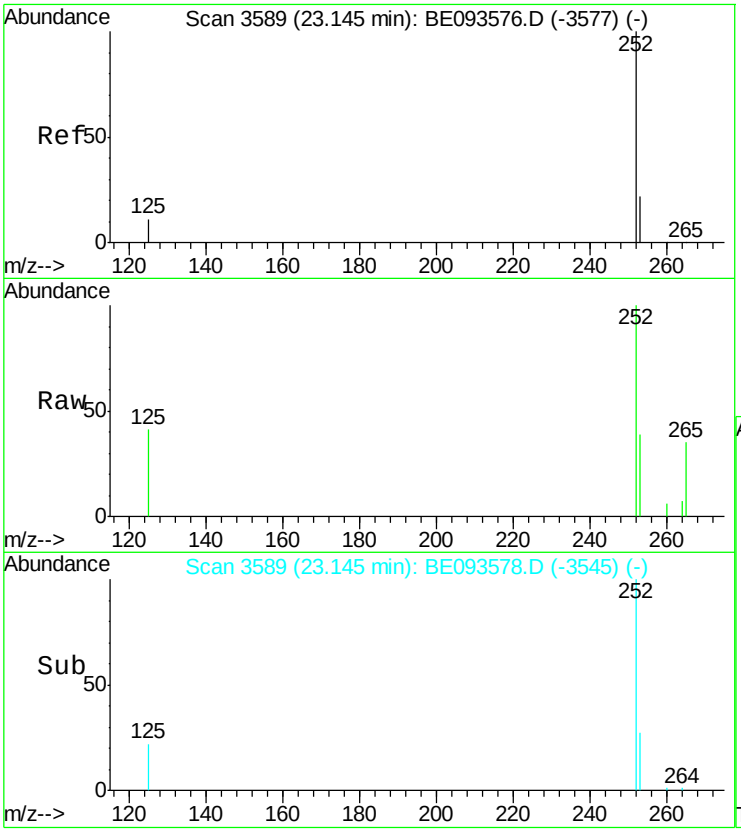




#19
Chrysene
Concen: 0.033 ng/ul
RT: 21.45 min Scan# 3220
Delta R.T. 0.00 min
Lab File: BE093578.D
Acq: 25 Jul 2017 15:35

Tgt Ion:228 Resp: 1978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 34.0 | 23.4 | 35.0 |
| 229 | 28.6 | 17.7 | 26.5# |






#21
Benzo(b)fluoranthene
Concen: 0.058 ng/ul
RT: 23.14 min Scan# 3589
Delta R.T. 0.00 min
Lab File: BE093578.D
Acq: 25 Jul 2017 15:35

Tgt Ion:252 Resp: 3182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 38.7 | 0.0 | 64.2 |
| 125 | 40.6 | 0.0 | 35.0# |

**Instrument :**
BNA_E
**ClientSampleId :**
C0B18

**Manual Integrations APPROVED**
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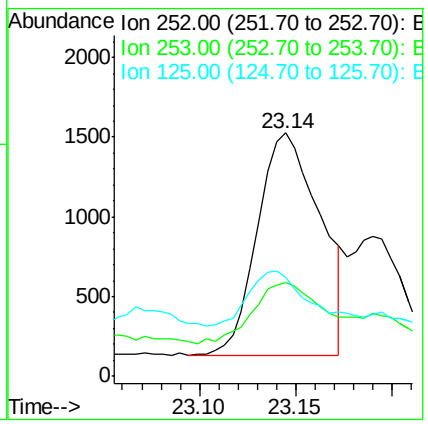
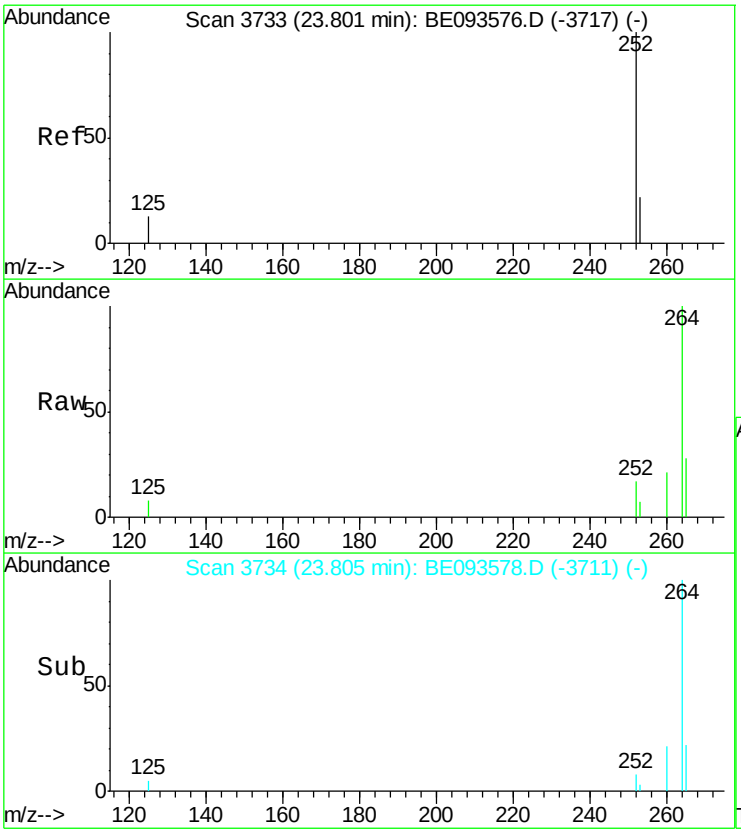
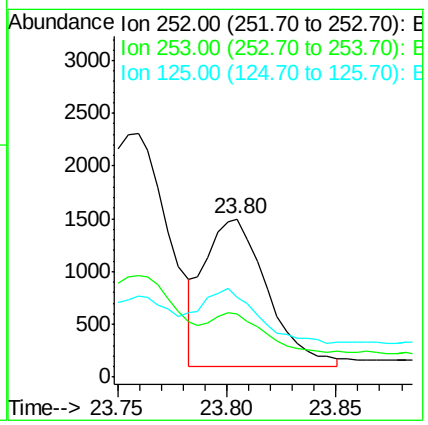


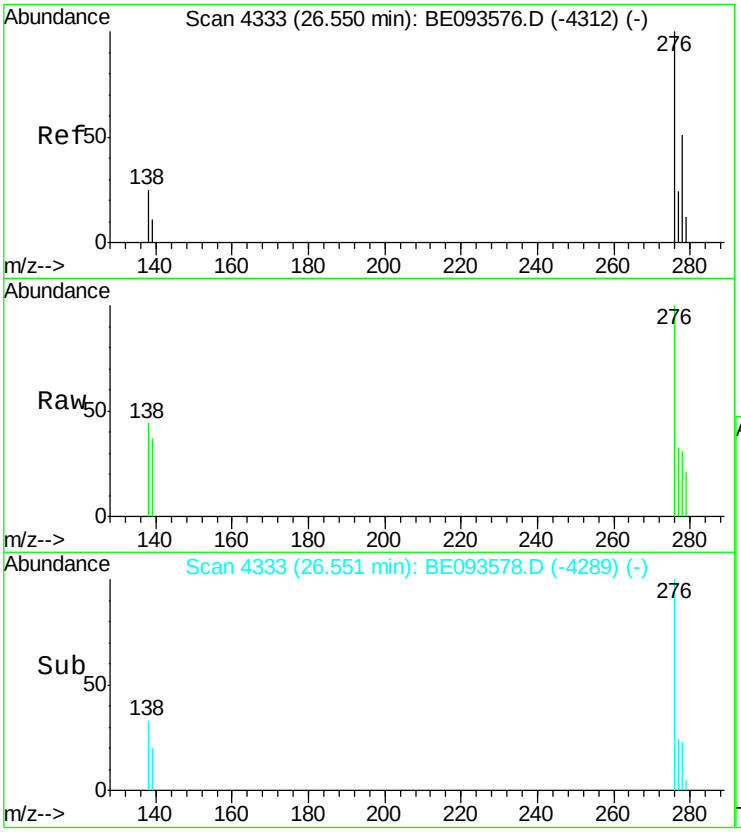




#23
Benzo(a)pyrene
Concen: 0.053 ng/ul m
RT: 23.80 min Scan# 3734
Delta R.T. 0.00 min
Lab File: BE093578.D
Acq: 25 Jul 2017 15:35

Tgt Ion:252 Resp: 2789

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 39.8 | 28.5 | 42.7 |
| 125 | 50.9 | 18.1 | 27.1# |






#24
Indeno(1,2,3-cd)pyrene
Concen: 0.032 ng/ul m
RT: 26.55 min Scan# 4333
Delta R.T. -0.00 min
Lab File: BE093578.D
Acq: 25 Jul 2017 15:35

Tgt Ion:276 Resp: 1832

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

**Instrument :**
BNA_E
**ClientSampleId :**
C0B18

**Manual Integrations APPROVED**
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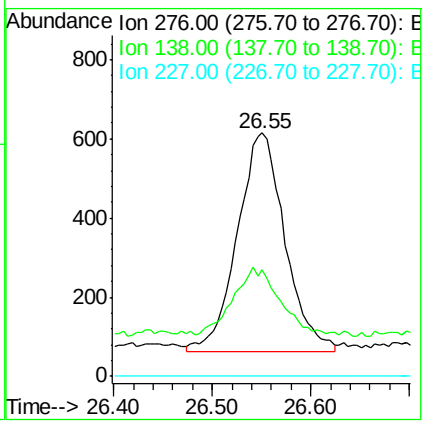


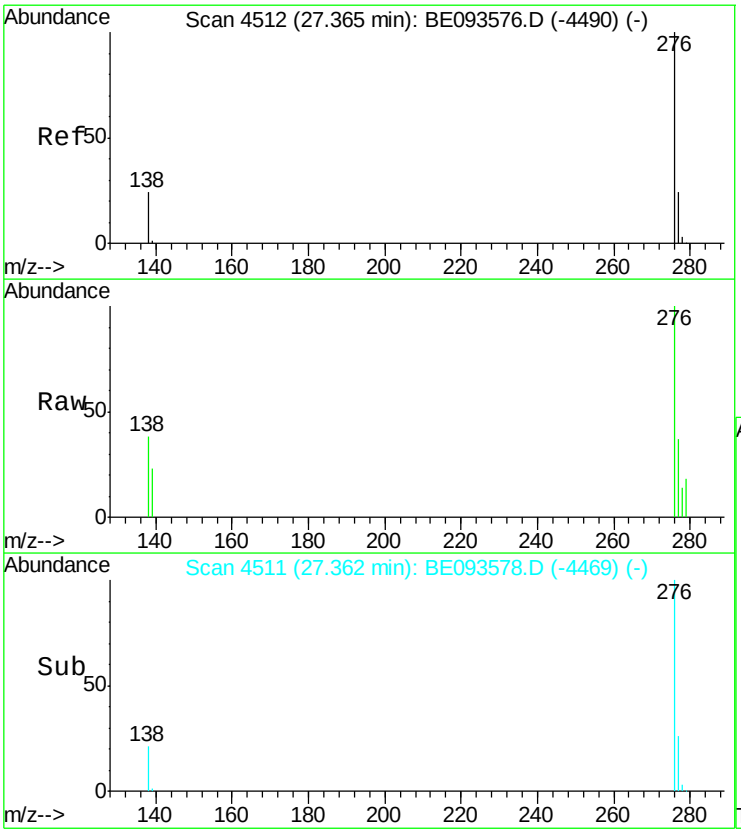


#26
Benzo(g,h,i)perylene
Concen: 0.036 ng/ul m
RT: 27.36 min Scan# 4511
Delta R.T. -0.01 min
Lab File: BE093578.D
Acq: 25 Jul 2017 15:35

Tgt Ion:276 Resp: 1767

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 37.7 | 21.8 | 32.8# |
| 277 | 36.8 | 20.5 | 30.7# |