Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121016\
Data File : BM008247.D
Acq On : 11 Dec 2016 00:05
Operator : UM/SJ
Sample : H5905-21
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
DA820

**Manual Integrations APPROVED**
UMANGI
12/12/2016 6:50:37 PM

Quant Time: Dec 12 11:48:21 2016
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 12 03:51:49 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.70 | 152 | 780 | 0.40 | ng/ul | -0.02 |
| 2) Naphthalene-d8 | 10.46 | 136 | 2219 | 0.40 | ng/ul | -0.01 |
| 6) Acenaphthene-d10 | 14.31 | 164 | 2859 | 0.40 | ng/ul | -0.02 |
| 10) Phenanthrene-d10 | 17.07 | 188 | 2237 | 0.40 | ng/ul | -0.02 |
| 16) Chrysene-d12 | 21.27 | 240 | 1957 | 0.40 | ng/ul | -0.01 |
| 20) Perylene-d12 | 23.50 | 264 | 1904 | 0.40 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Methylnaphthalene-d10 | 12.05 | 152 | 1272 | 0.40 | ng/ul | -0.03 |
| 14) Fluoranthene-d10 | 19.11 | 212 | 1799m | 0.28 | ng/ul | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 3) Naphthalene | 10.51 | 128 | 307233 | 49.51 | ng/ul# | 93 |
| 5) 2-Methylnaphthalene | 12.13 | 142 | 513679 | 128.42 | ng/ul | 98 |
| 7) Acenaphthylene | 14.04 | 152 | 9362 | 0.72 | ng/ul# | 4 |
| 8) Acenaphthene | 14.38 | 153 | 26936 | 2.74 | ng/ul | 99 |
| 9) Fluorene | 15.38 | 166 | 57195 | 5.06 | ng/ul | 86 |
| 12) Phenanthrene | 17.11 | 178 | 21205 | 3.04 | ng/ul# | 96 |
| 13) Anthracene | 17.19 | 178 | 5105m | 0.78 | ng/ul | |
| 15) Fluoranthene | 19.14 | 202 | 2716 | 0.30 | ng/ul | 72 |
| 17) Pyrene | 19.51 | 202 | 3023 | 0.44 | ng/ul# | 81 |

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

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**ClientSampleId :**
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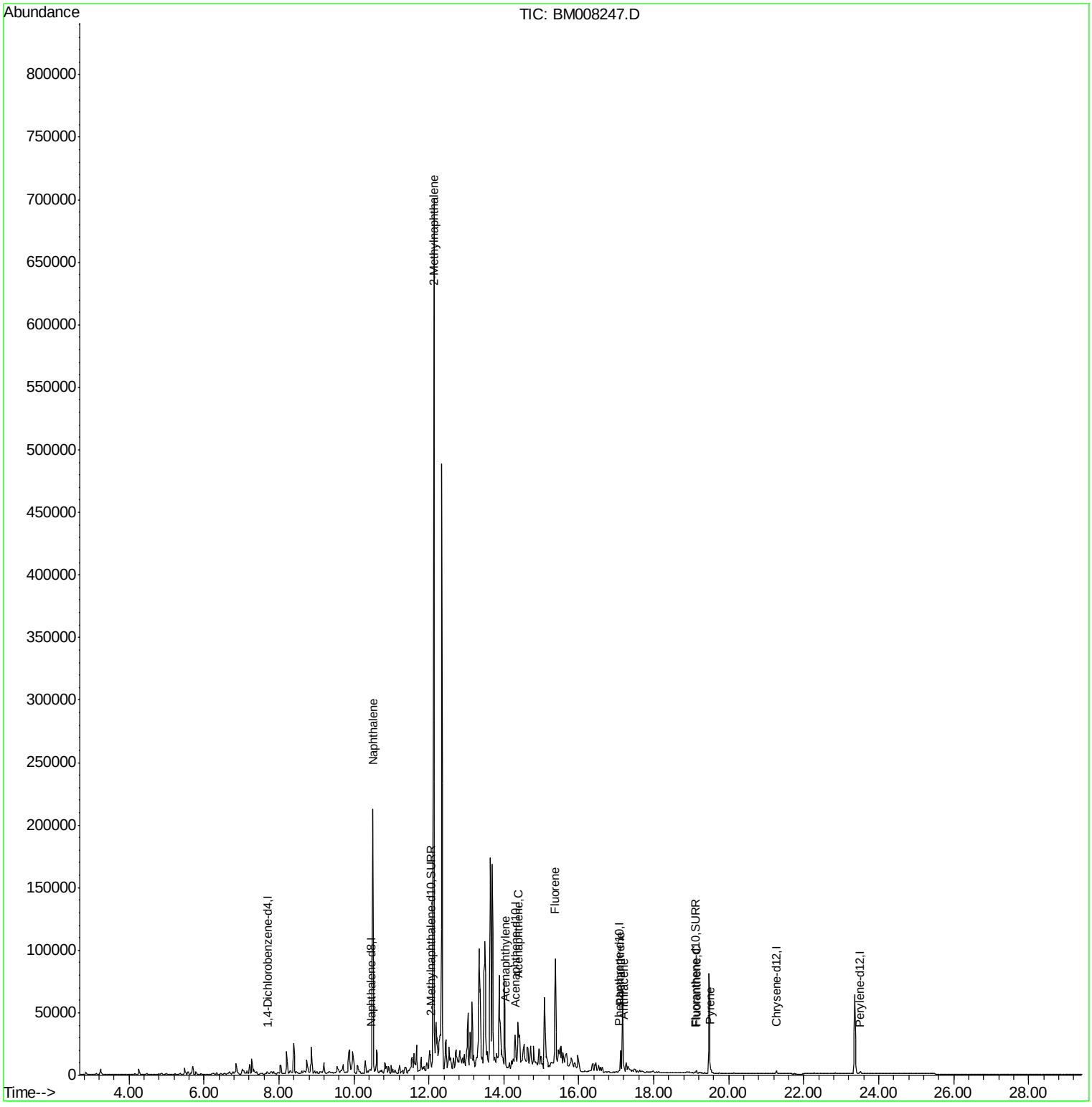
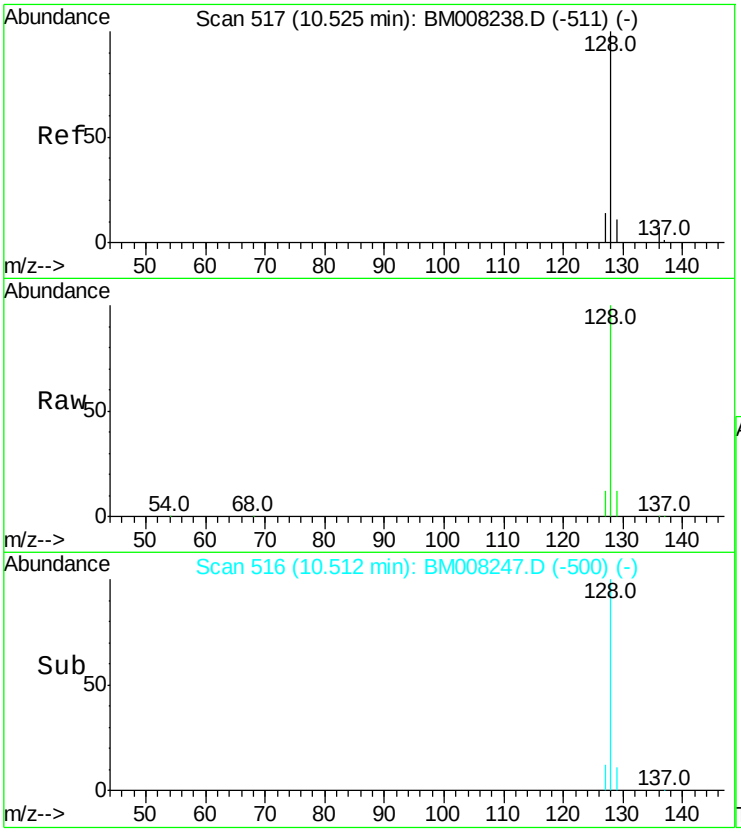
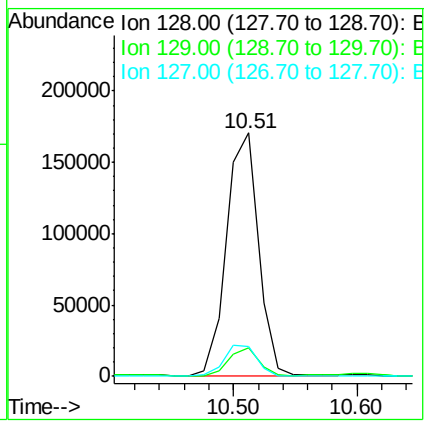





#3
Naphthalene
Concen: 49.51 ng/ul
RT: 10.51 min Scan# 516
Delta R.T. -0.01 min
Lab File: BM008247.D
Acq: 11 Dec 2016 00:05

Tgt Ion:128 Resp: 307233

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.8 | 11.3 | 16.9 |
| 127 | 12.2 | 12.8 | 19.2# |




**Instrument :**
BNA_M
**ClientSampleId :**
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**Manual Integrations APPROVED**
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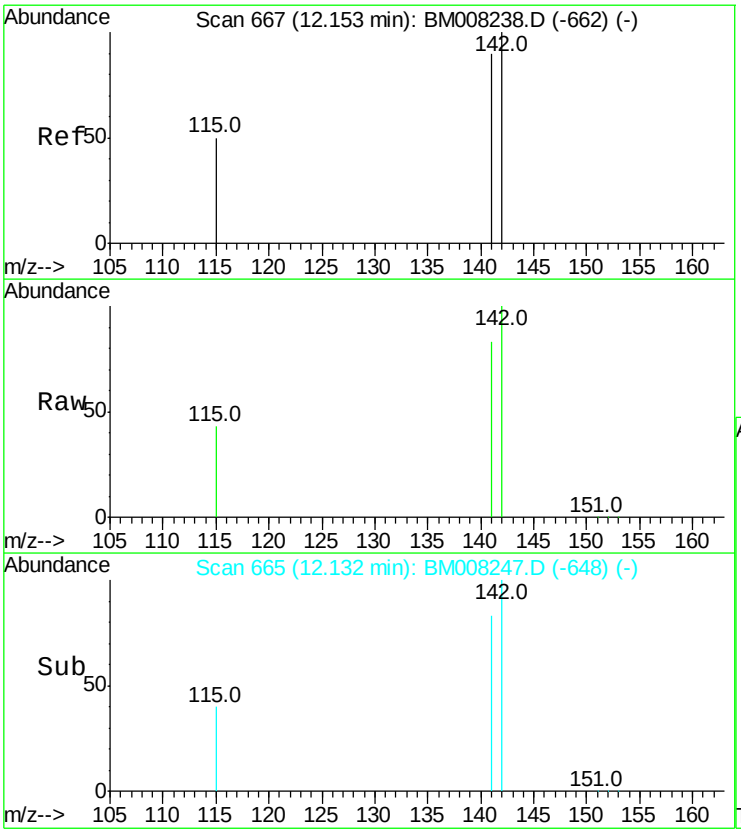
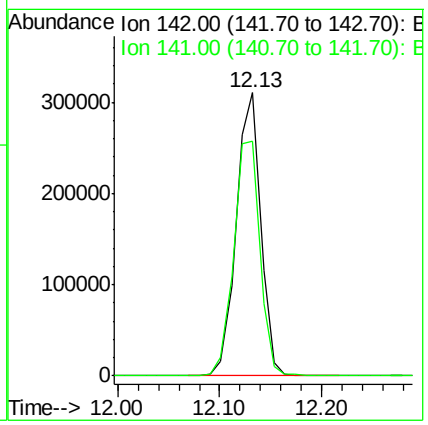
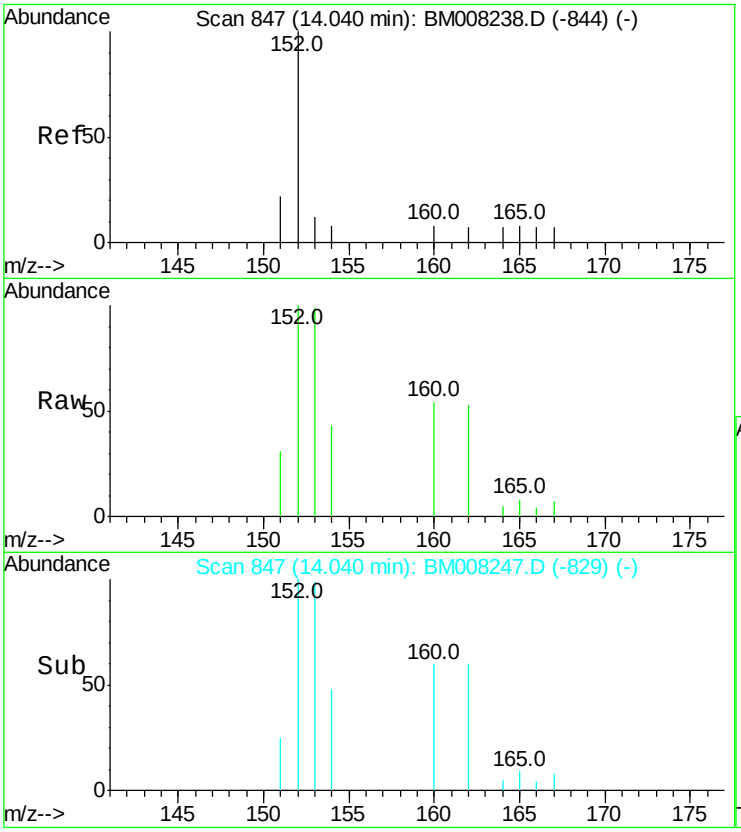



#5
2-Methylnaphthalene
Concen: 128.42 ng/ul
RT: 12.13 min Scan# 665
Delta R.T. -0.02 min
Lab File: BM008247.D
Acq: 11 Dec 2016 00:05

Tgt Ion:142 Resp: 513679

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.3 | 72.6 | 108.8 |

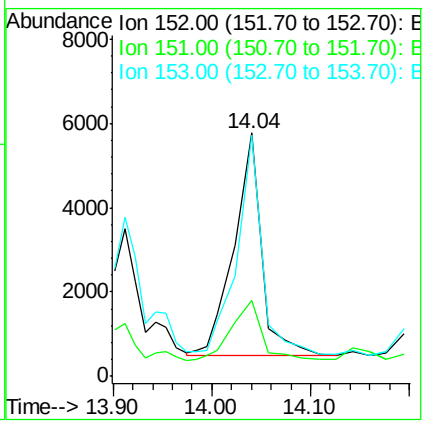





#7
Acenaphthylene
Concen: 0.72 ng/ul
RT: 14.04 min Scan# 847
Delta R.T. -0.00 min
Lab File: BM008247.D
Acq: 11 Dec 2016 00:05

Tgt Ion:152 Resp: 9362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 31.4 | 17.1 | 25.7# |
| 153 | 99.1 | 12.8 | 19.2# |




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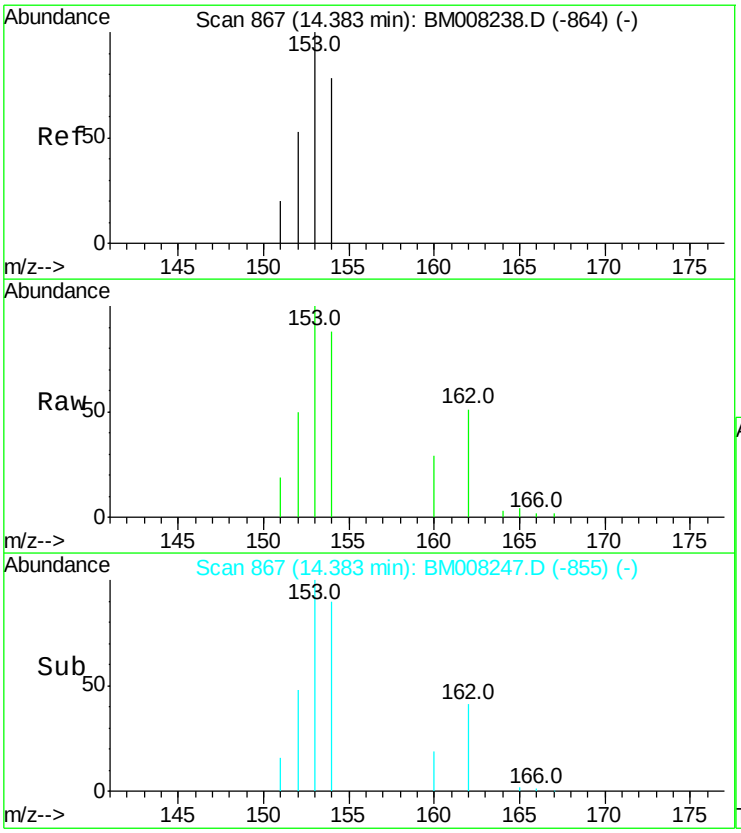
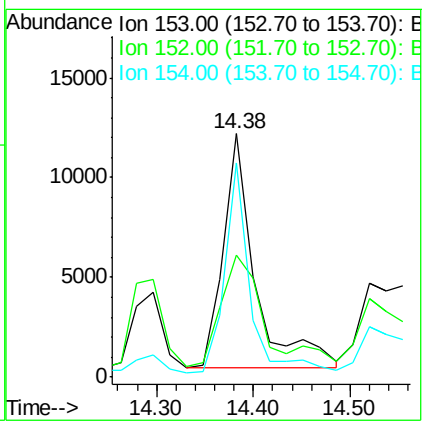
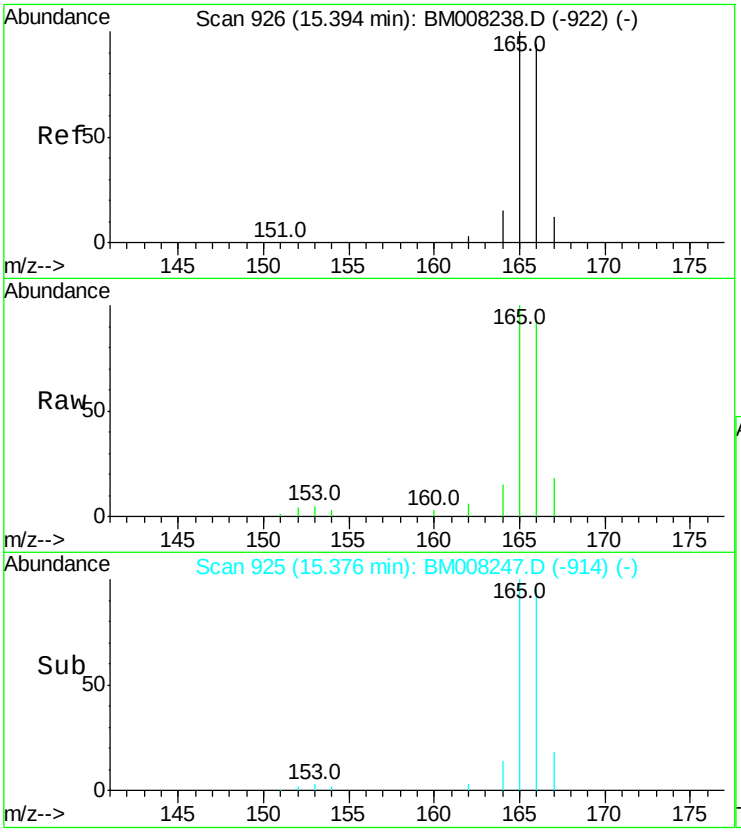



#8
Acenaphthene
Concen: 2.74 ng/ul
RT: 14.38 min Scan# 867
Delta R.T. -0.00 min
Lab File: BM008247.D
Acq: 11 Dec 2016 00:05

Tgt Ion:153 Resp: 26936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 50.2 | 40.3 | 60.5 |
| 154 | 87.9 | 71.4 | 107.2 |

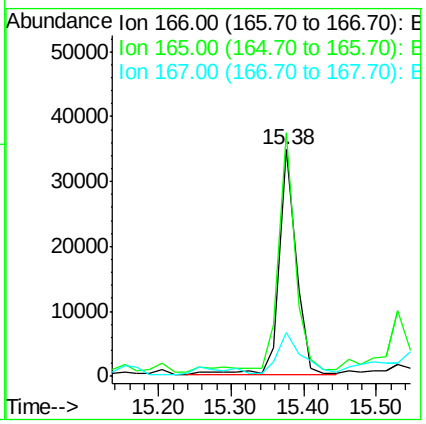





#9
Fluorene
Concen: 5.06 ng/ul
RT: 15.38 min Scan# 925
Delta R.T. -0.02 min
Lab File: BM008247.D
Acq: 11 Dec 2016 00:05

Tgt Ion:166 Resp: 57195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 107.3 | 73.4 | 110.2 |
| 167 | 19.6 | 14.6 | 22.0 |




**Instrument :**
BNA_M
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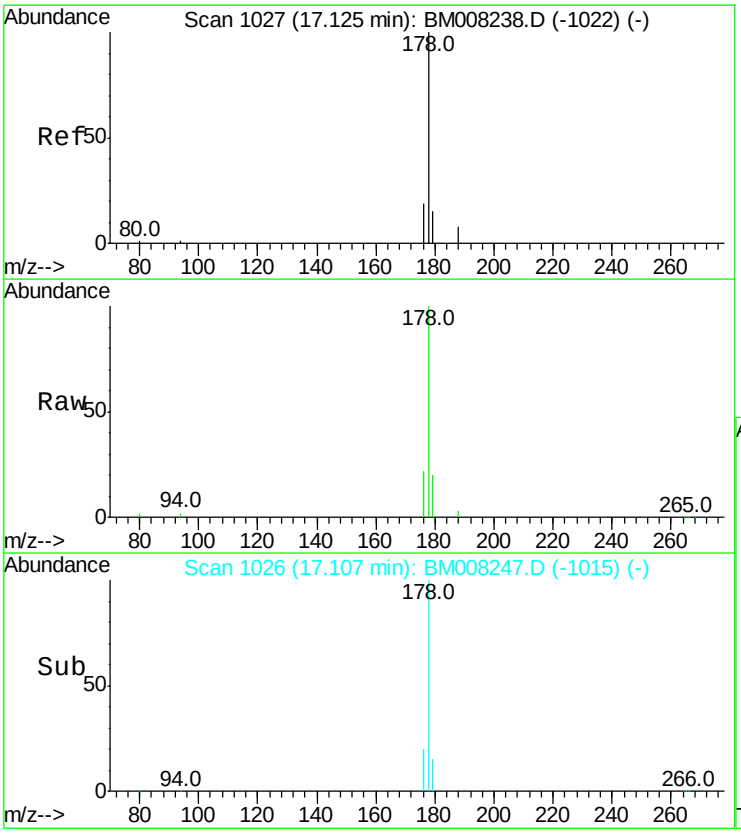
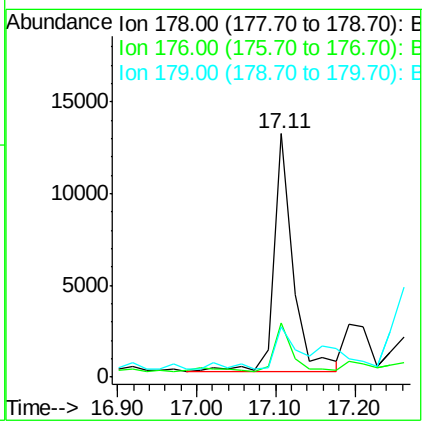
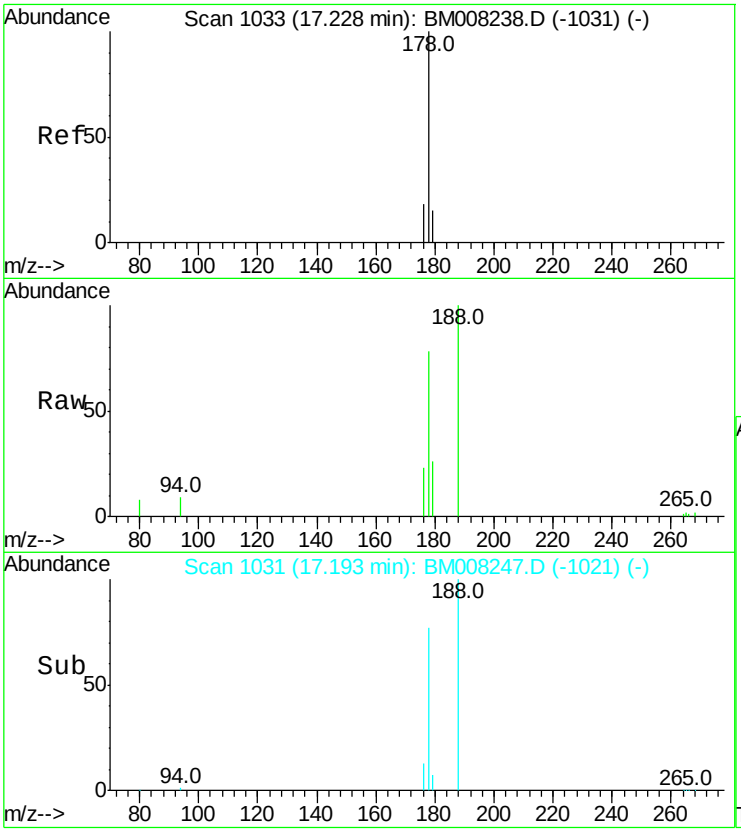



#12
Phenanthrene
Concen: 3.04 ng/ul
RT: 17.11 min Scan# 1026
Delta R.T. -0.02 min
Lab File: BM008247.D
Acq: 11 Dec 2016 00:05

Tgt Ion:178 Resp: 21205

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 22.5 | 18.4 | 27.6 |
| 179 | 20.4 | 13.6 | 20.4# |

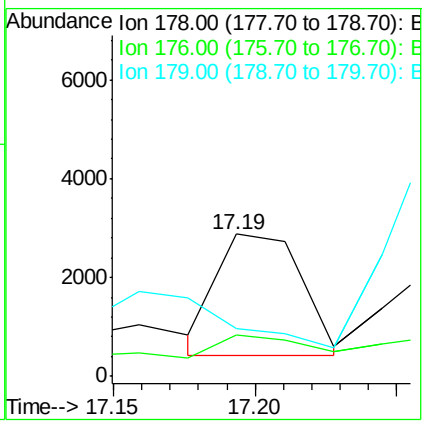





#13
Anthracene
Concen: 0.78 ng/ul m
RT: 17.19 min Scan# 1031
Delta R.T. -0.03 min
Lab File: BM008247.D
Acq: 11 Dec 2016 00:05

Tgt Ion:178 Resp: 5105

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 29.2 | 18.1 | 27.1# |
| 179 | 33.8 | 14.7 | 22.1# |




**Instrument :**
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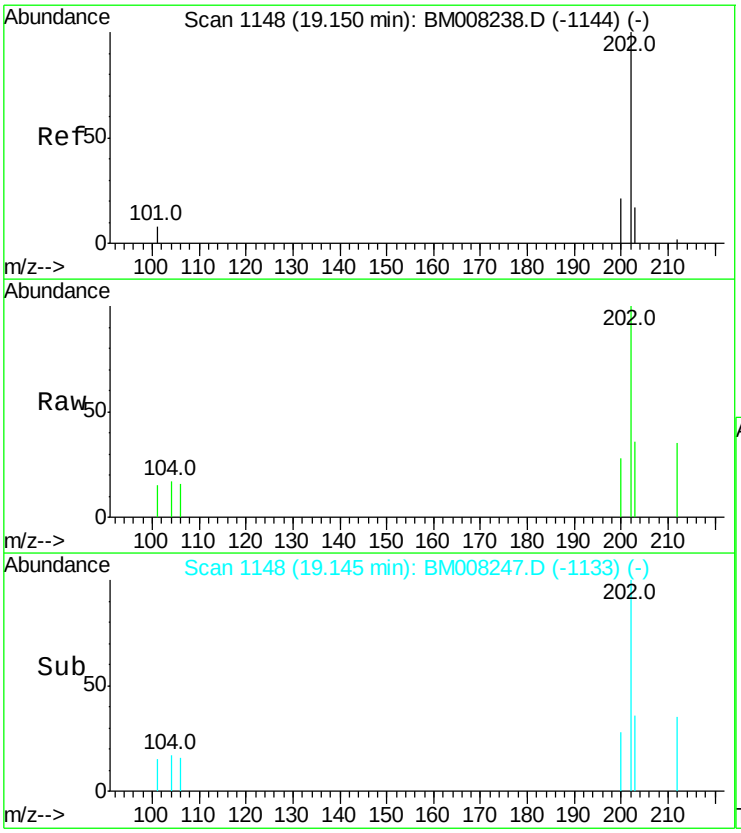
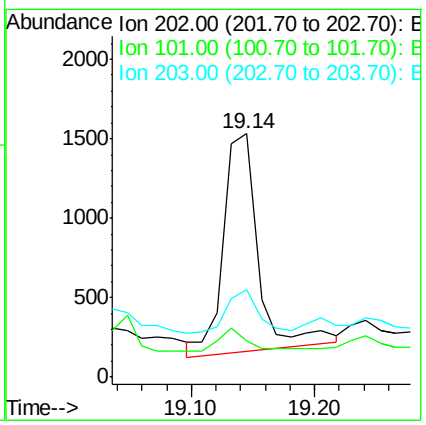
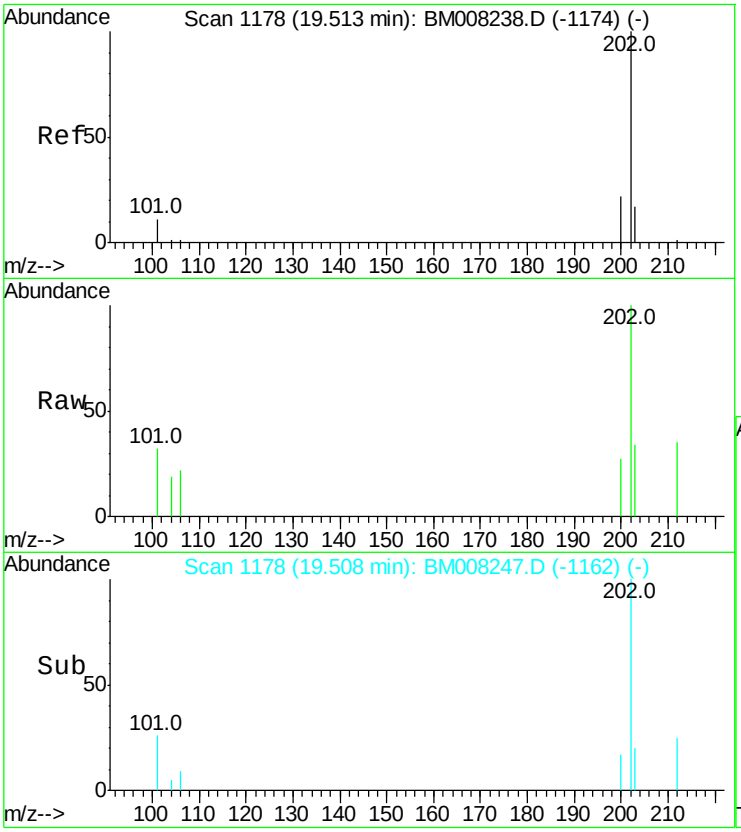



#15
Fluoranthene
Concen: 0.30 ng/ul
RT: 19.14 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BM008247.D
Acq: 11 Dec 2016 00:05

Tgt Ion:202 Resp: 2716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 14.8 | 0.0 | 30.3 |
| 203 | 35.8 | 0.0 | 39.5 |

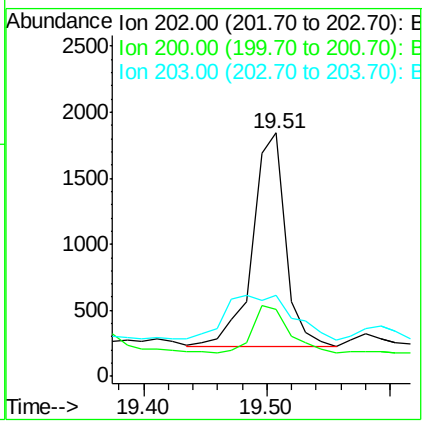





#17
Pyrene
Concen: 0.44 ng/ul
RT: 19.51 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BM008247.D
Acq: 11 Dec 2016 00:05

Tgt Ion:202 Resp: 3023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 27.3 | 18.2 | 27.4 |
| 203 | 33.5 | 15.6 | 23.4# |




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