Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122015\
Data File : BM003657.D
Acq On : 20 Dec 2015 16:41
Operator : UM/SJ
Sample : G4867-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** G9DA0

Quant Time: Dec 21 02:23:36 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 02:19:57 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.70 | 152 | 29969 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.49 | 136 | 143394 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.35 | 164 | 88404 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.10 | 188 | 200668 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.30 | 240 | 222749 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.54 | 264 | 186490 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.16 | 96 | 559 | 1.00 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.87 | 99 | 20217 | 8.00 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.03 | 67 | 46962 | 34.89 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.23 | 132 | 60030 | 29.12 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.40 | 113 | 41468 | 18.96 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.85 | 128 | 39245 | 37.73 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.57 | 143 | 43420 | 37.10 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.11 | 165 | 73655 | 34.48 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.63 | 131 | 983 | 0.35 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.76 | 166 | 266564 | 36.48 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.04 | 160 | 313394 | 37.68 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.56 | 143 | 9878 | 6.94 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.34 | 176 | 223067 | 36.90 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 39812 | 35.20 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.20 | 188 | 346999 | 38.01 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.50 | 212 | 391313 | 40.22 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.40 | 264 | 355186 | 38.34 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 14) Acetophenone | 8.51 | 105 | 3420 | 1.00 | ng/ul# | 75 |
| 35) 1-Methylnaphthalene | 12.37 | 142 | 30757 | 5.87 | ng/ul | 99 |
| 46) 2,6-Dinitrotoluene | 13.76 | 165 | 1910 | 1.31 | ng/ul# | 37 |
| 48) Acenaphthylene | 14.07 | 152 | 9283 | 1.02 | ng/ul# | 88 |
| 50) Acenaphthene | 14.42 | 153 | 57459 | 9.46 | ng/ul | 99 |
| 59) Fluorene | 15.40 | 166 | 31175 | 4.48 | ng/ul | 97 |
| 70) Phenanthrene | 17.14 | 178 | 12025 | 1.08 | ng/ul | 98 |
| 80) Pyrene | 19.53 | 202 | 37665 | 2.94 | ng/ul | 100 |

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

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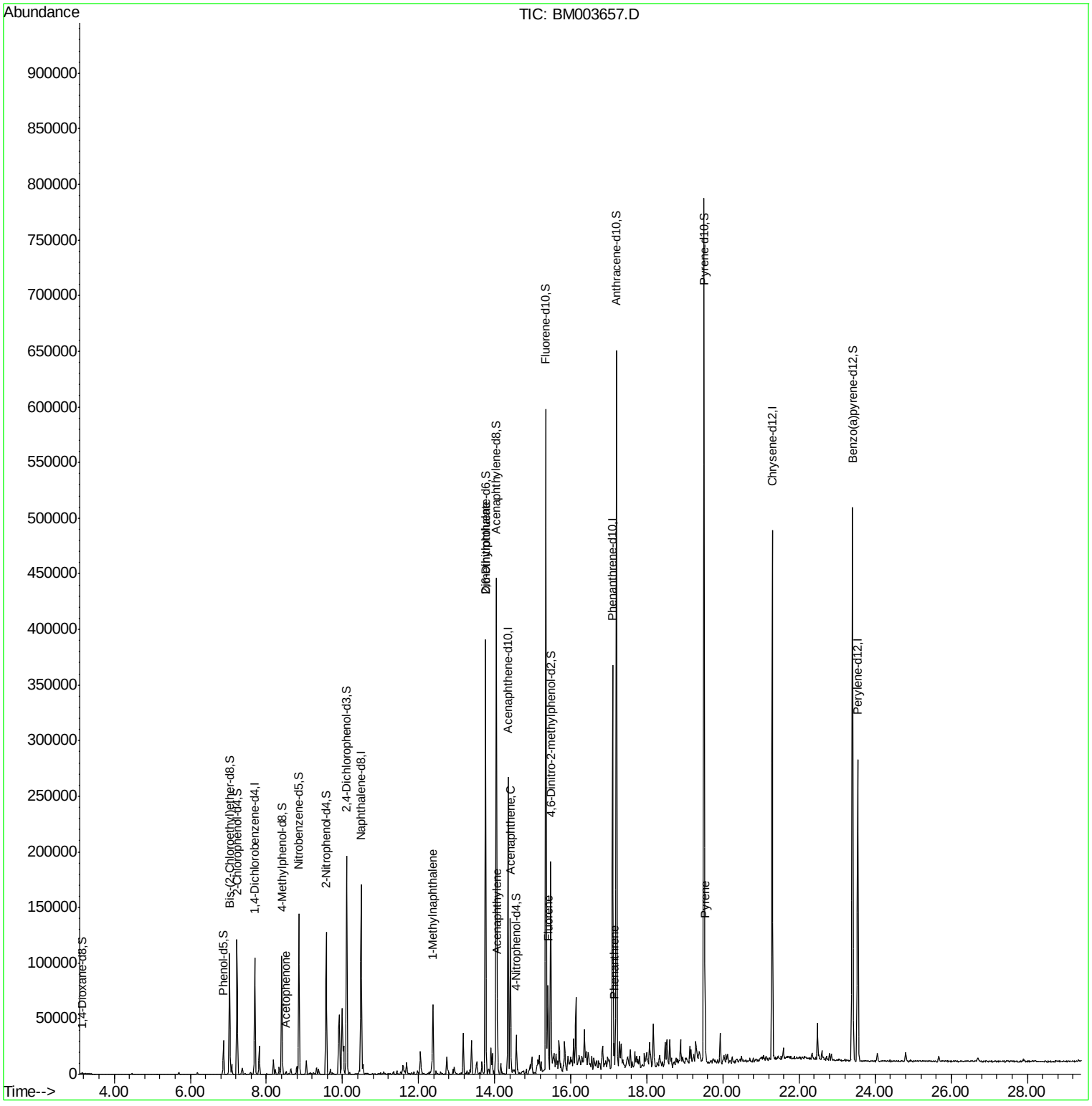
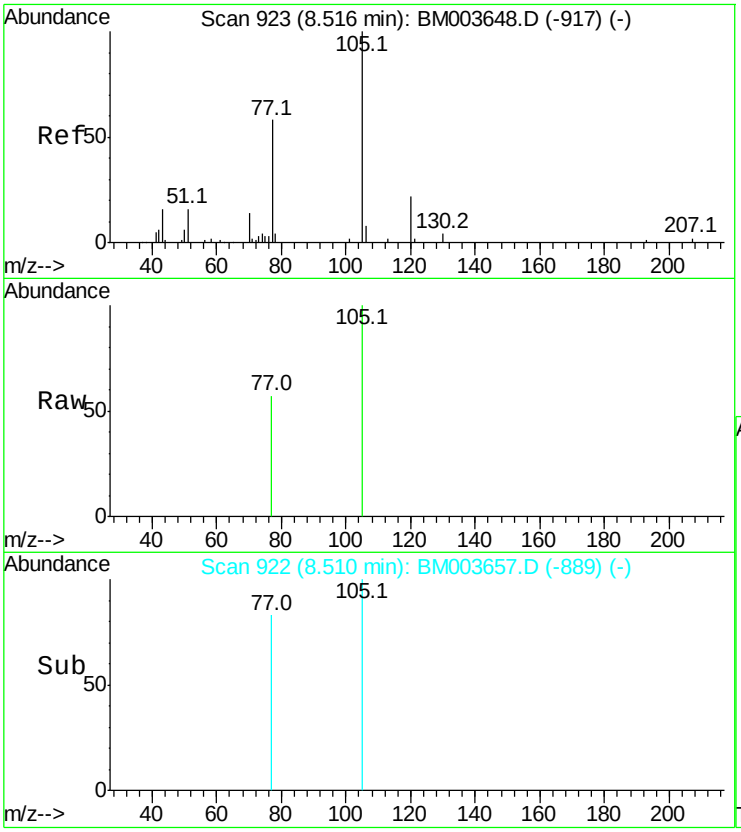
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
G9DA0

Quant Time: Dec 21 02:23:36 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 21 02:19:57 2015
Response via : Initial Calibration



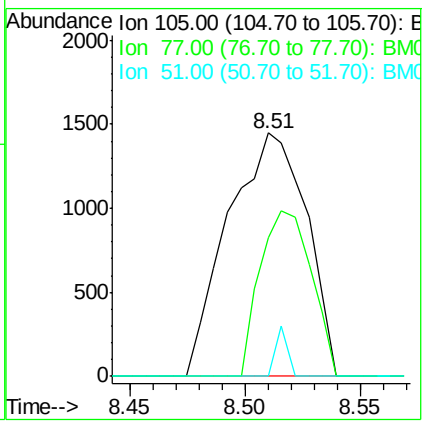


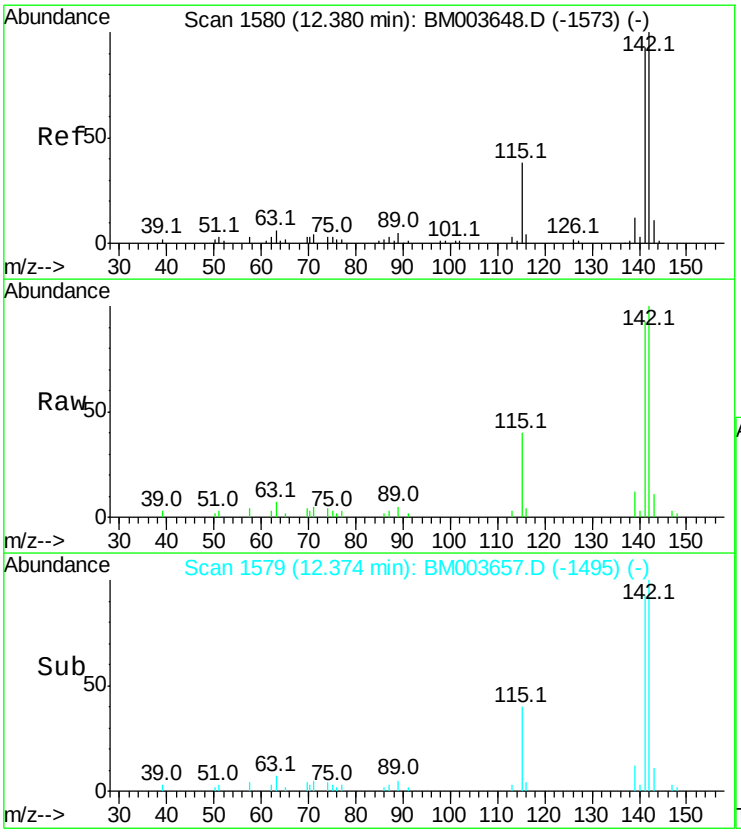

#14
Acetophenone
Concen: 1.00 ng/ul
RT: 8.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BM003657.D
Acq: 20 Dec 2015 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
G9DA0

Tgt Ion:105 Resp: 3420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 77 | 57.1 | 59.0 | 88.4# |
| 51 | 0.0 | 16.4 | 24.6# |

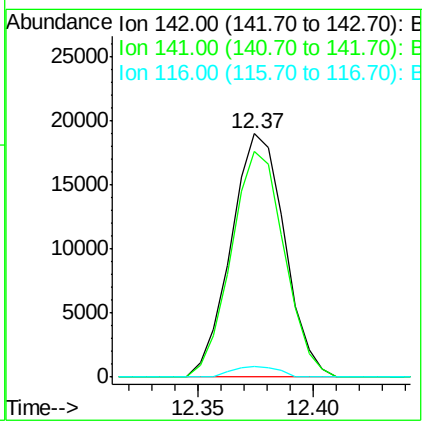


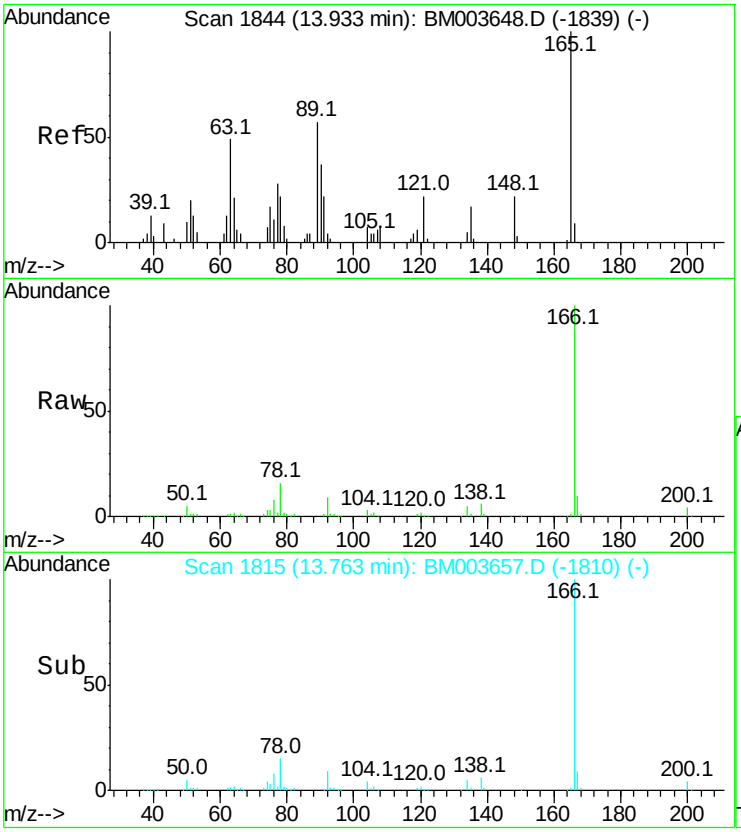




#35
1-Methylnaphthalene
Concen: 5.87 ng/ul
RT: 12.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BM003657.D
Acq: 20 Dec 2015 16:41

Tgt Ion:142 Resp: 30757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 92.9 | 74.9 | 112.3 |
| 116 | 4.5 | 3.1 | 4.7 |



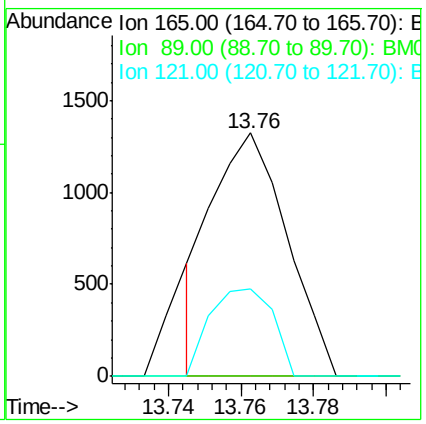


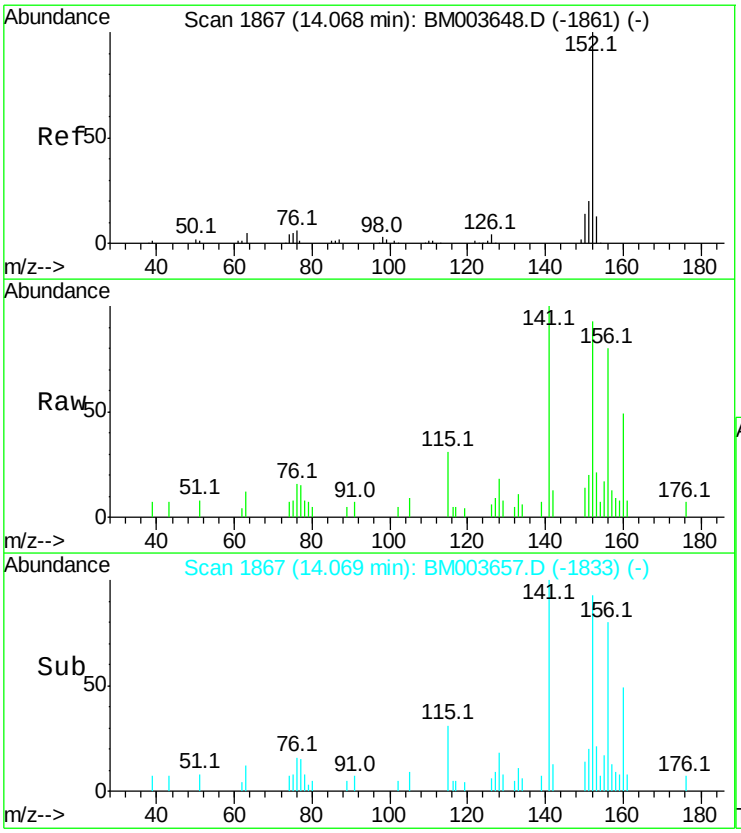

#46
2,6-Dinitrotoluene
Concen: 1.31 ng/ul
RT: 13.76 min Scan# 1815
Delta R.T. -0.17 min
Lab File: BM003657.D
Acq: 20 Dec 2015 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
G9DA0

Tgt Ion:165 Resp: 1910

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 89 | 0.0 | 42.4 | 63.6# |
| 121 | 35.9 | 16.6 | 24.8# |

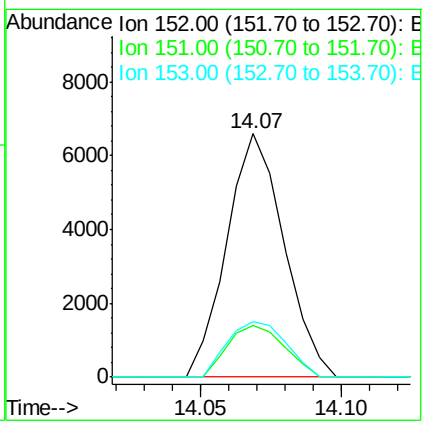


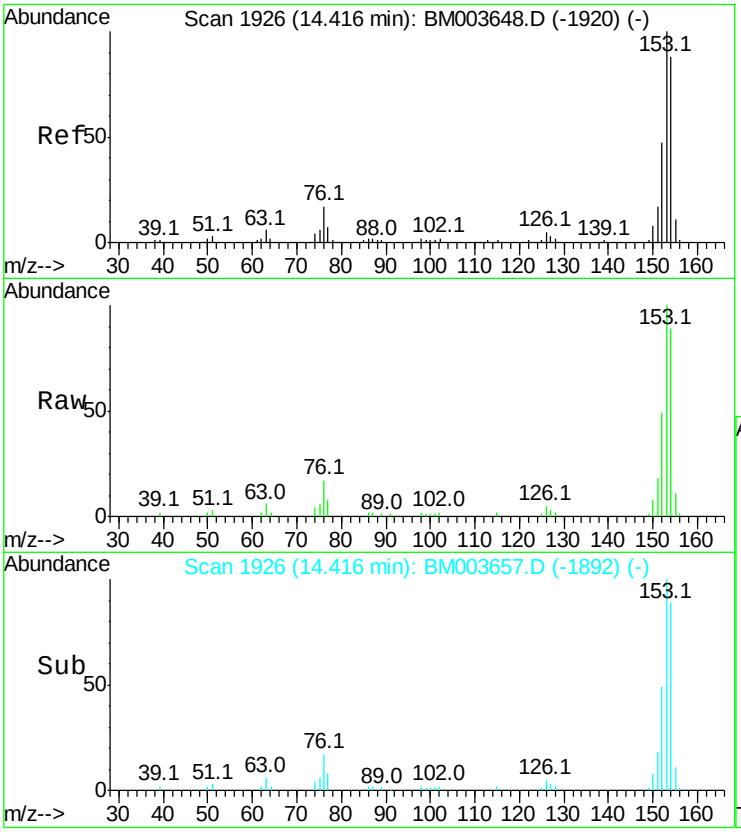




#48
Acenaphthylene
Concen: 1.02 ng/ul
RT: 14.07 min Scan# 1867
Delta R.T. 0.00 min
Lab File: BM003657.D
Acq: 20 Dec 2015 16:41

Tgt Ion:152 Resp: 9283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.2 | 15.7 | 23.5 |
| 153 | 22.7 | 10.5 | 15.7# |



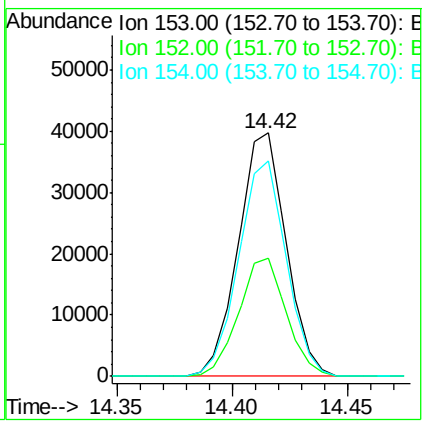


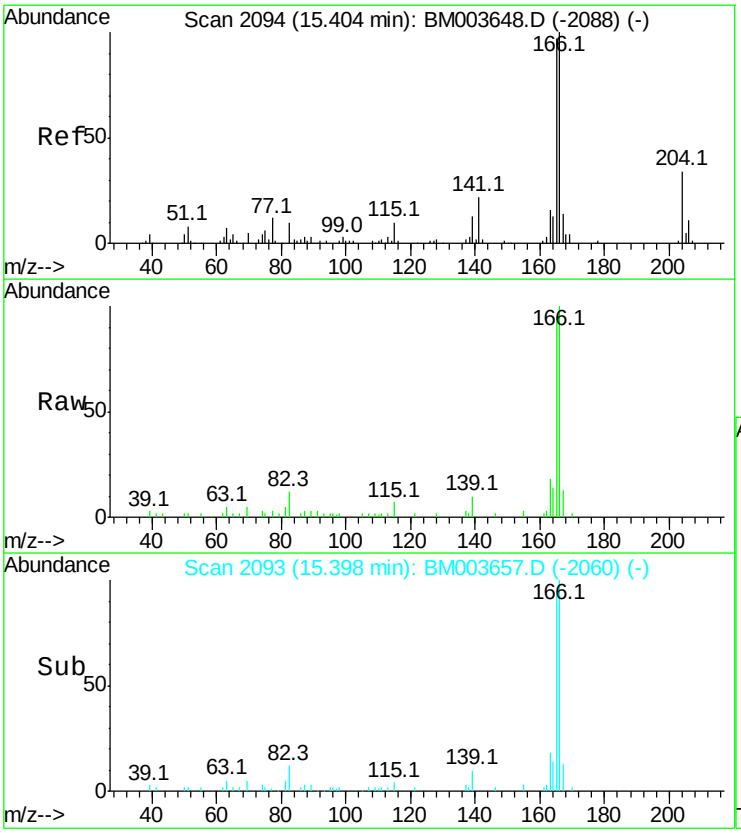

#50
Acenaphthene
Concen: 9.46 ng/ul
RT: 14.42 min Scan# 1926
Delta R.T. 0.00 min
Lab File: BM003657.D
Acq: 20 Dec 2015 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
G9DA0

Tgt Ion:153 Resp: 57459

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 48.5 | 38.3 | 57.5 |
| 154 | 88.5 | 71.8 | 107.8 |

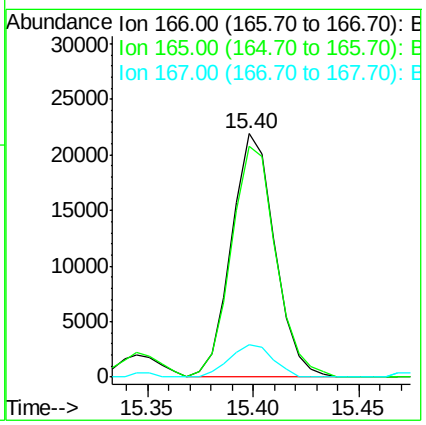


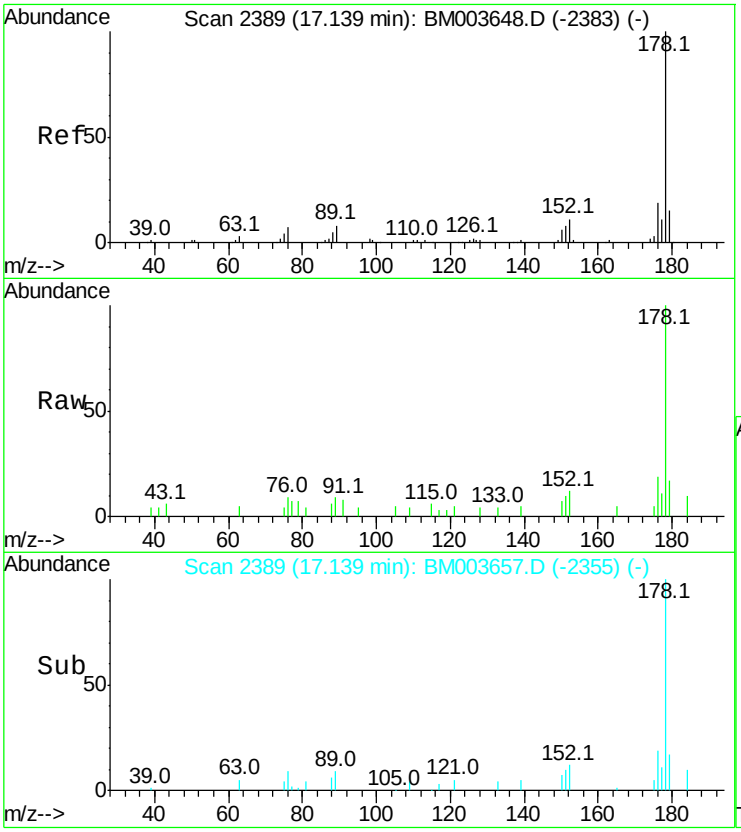




#59
Fluorene
Concen: 4.48 ng/ul
RT: 15.40 min Scan# 2093
Delta R.T. -0.01 min
Lab File: BM003657.D
Acq: 20 Dec 2015 16:41

Tgt Ion:166 Resp: 31175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 94.7 | 78.5 | 117.7 |
| 167 | 13.3 | 10.7 | 16.1 |



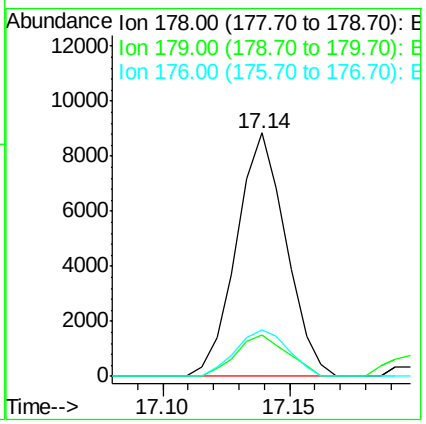


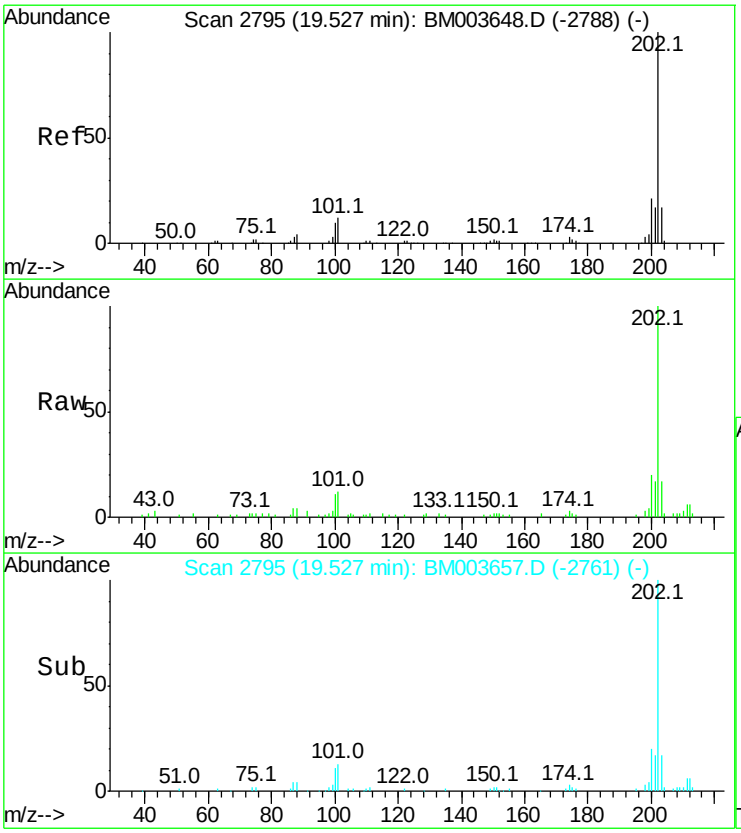

#70
Phenanthrene
Concen: 1.08 ng/ul
RT: 17.14 min Scan# 2389
Delta R.T. 0.00 min
Lab File: BM003657.D
Acq: 20 Dec 2015 16:41

**Instrument :**
BNA_M
**ClientSampleId :**
G9DA0

Tgt Ion:178 Resp: 12025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.8 | 12.2 | 18.4 |
| 176 | 19.2 | 15.6 | 23.4 |




#80
Pyrene
Concen: 2.94 ng/ul
RT: 19.53 min Scan# 2795
Delta R.T. 0.00 min
Lab File: BM003657.D
Acq: 20 Dec 2015 16:41

Tgt Ion:202 Resp: 37665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.4 | 10.2 | 15.2 |
| 100 | 10.6 | 8.5 | 12.7 |