Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012596.D
Acq On : 31 Oct 2017 04:47
Operator : SJ/JU
Sample : I5719-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Oct 31 08:45:52 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 31 04:46:13 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.86 | 152 | 378110 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.65 | 136 | 1436058 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.49 | 164 | 824430 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.23 | 188 | 1874469 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.40 | 240 | 2212072 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.70 | 264 | 2506443 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.35 | 96 | 26463 | 3.57 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.03 | 99 | 466258 | 14.76 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.19 | 67 | 297387 | 15.86 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.39 | 132 | 388885 | 16.44 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.56 | 113 | 315995 | 11.71 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.01 | 128 | 186919 | 20.78 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.73 | 143 | 204745 | 22.10 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.27 | 165 | 388747 | 15.84 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.78 | 131 | 200392 | 7.74 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.89 | 166 | 1174072 | 16.30 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.18 | 160 | 1467305 | 17.22 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.69 | 143 | 148734 | 13.89 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.48 | 176 | 1031952 | 16.93 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.60 | 200 | 86844 | 9.57 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.33 | 188 | 1546074 | 17.31 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.62 | 212 | 1801276 | 17.75 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.56 | 264 | 2079239 | 17.46 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 4) Benzaldehyde | 7.00 | 77 | 72082 | 4.20 | ng/ul# | 1 |
| 6) Phenol | 7.05 | 94 | 358158 | 10.89 | ng/ul# | 82 |
| 14) Acetophenone | 8.66 | 105 | 113745 | 2.68 | ng/ul# | 27 |
| 17) Hexachloroethane | 8.96 | 117 | 38468 | 3.75 | ng/ul# | 1 |
| 28) Naphthalene | 10.70 | 128 | 93102 | 1.31 | ng/ul | 99 |
| 44) Dimethylphthalate | 13.94 | 163 | 514711 | 7.22 | ng/ul | 99 |
| 69) Phenanthrene | 17.27 | 178 | 403867 | 3.98 | ng/ul | 100 |
| 71) Anthracene | 17.36 | 178 | 121707 | 1.16 | ng/ul | 97 |
| 74) Fluoranthene | 19.28 | 202 | 767530 | 6.68 | ng/ul# | 91 |
| 77) Pyrene | 19.64 | 202 | 801090 | 6.37 | ng/ul# | 91 |
| 80) Benzo(a)anthracene | 21.39 | 228 | 577341 | 4.36 | ng/ul# | 94 |
| 82) Chrysene | 21.44 | 228 | 665010 | 5.65 | ng/ul# | 93 |
| 85) Benzo(b)fluoranthene | 23.01 | 252 | 925790 | 5.98 | ng/ul# | 92 |
| 86) Benzo(k)fluoranthene | 23.05 | 252 | 301492 | 2.07 | ng/ul# | 84 |
| 88) Benzo(a)pyrene | 23.60 | 252 | 654374 | 4.43 | ng/ul# | 95 |
| 89) Indeno(1,2,3-cd)pyrene | 26.04 | 276 | 490777 | 2.82 | ng/ul# | 91 |
| 91) Benzo(g,h,i)perylene | 26.76 | 276 | 461975 | 3.28 | ng/ul# | 92 |

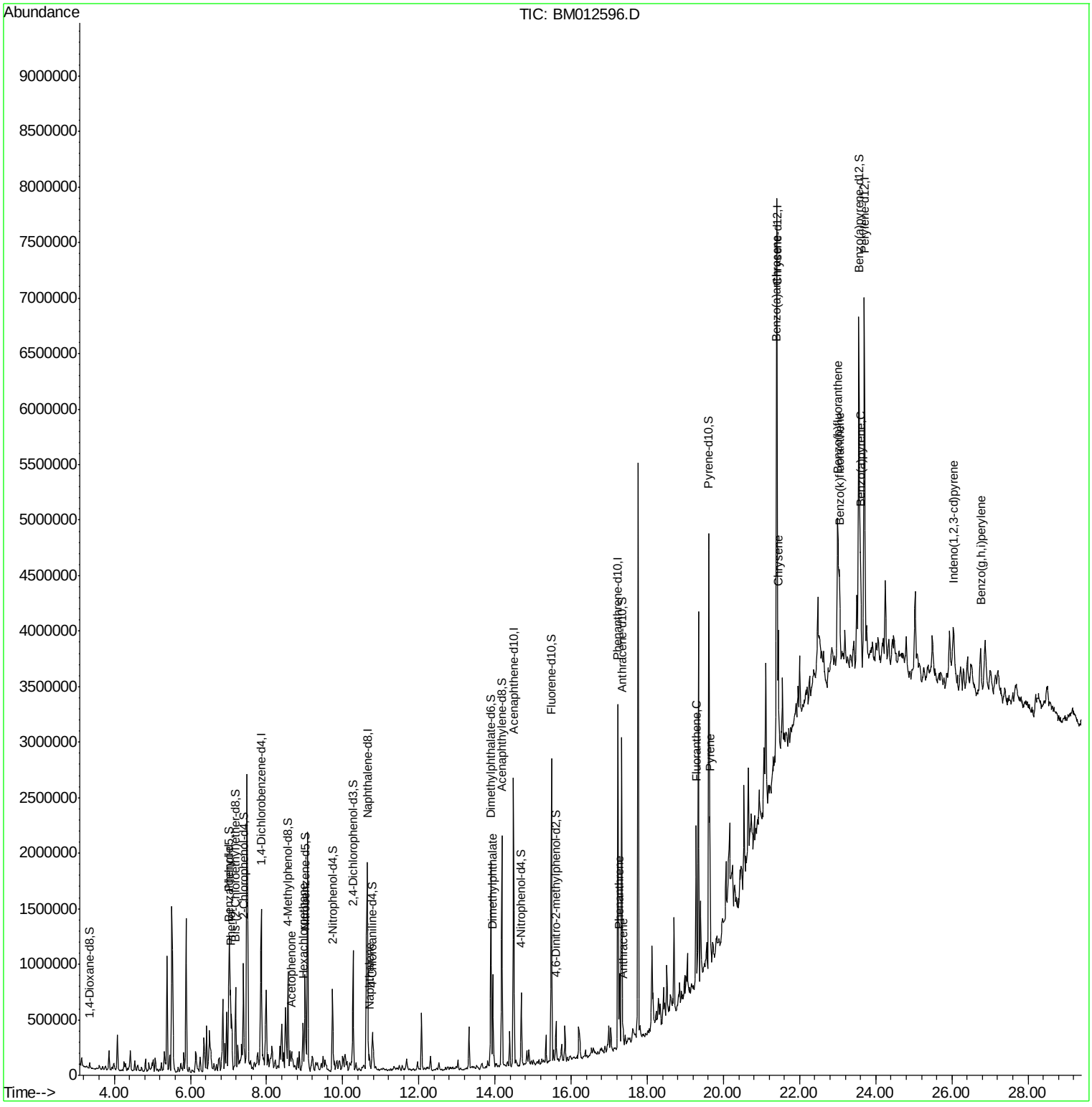
(#) = qualifier out of range (m) = manual integration (+) = signals summed

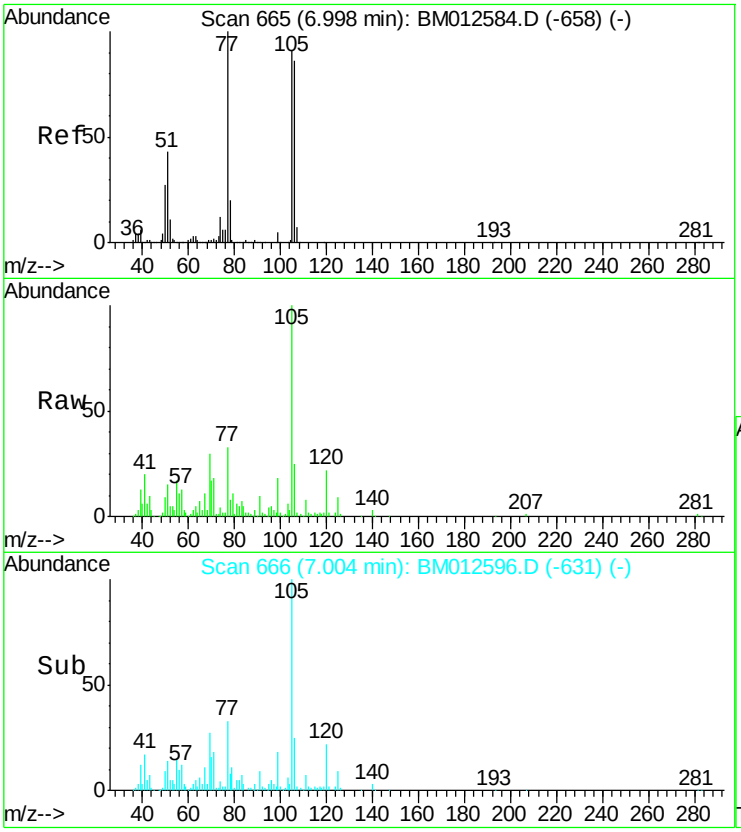
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM103017\
Data File : BM012596.D
Acq On : 31 Oct 2017 04:47
Operator : SJ/JU
Sample : I5719-13
Misc :
ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Oct 31 08:45:52 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 31 04:46:13 2017
Response via : Initial Calibration



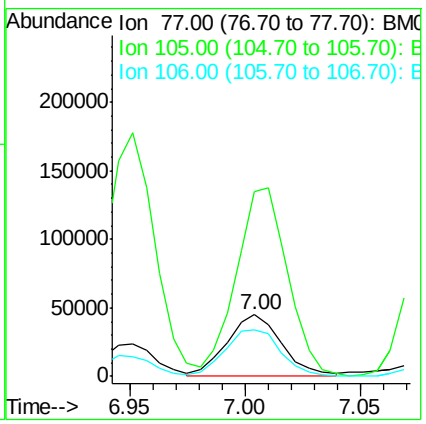


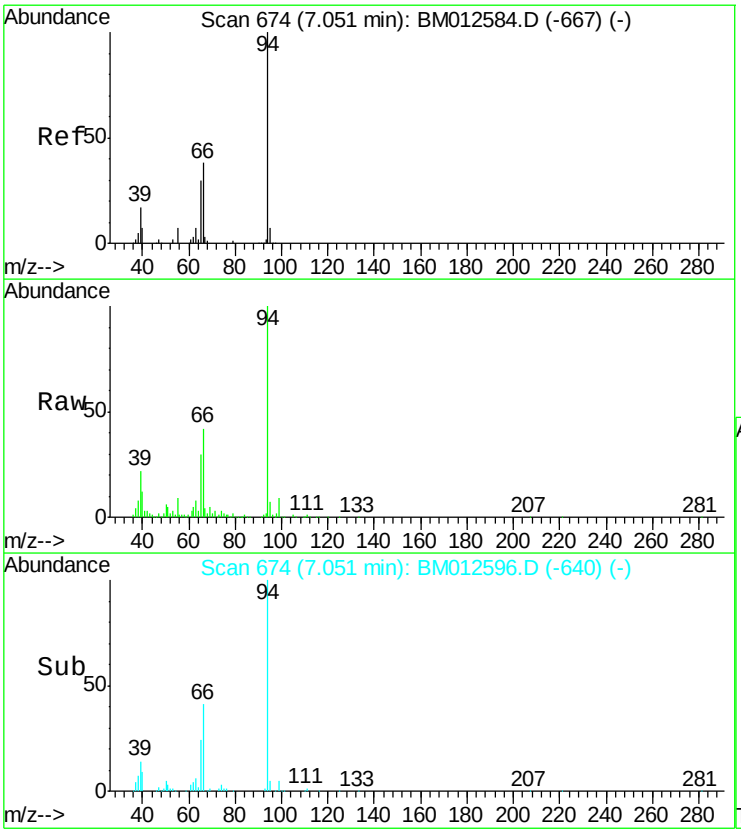

#4
Benzaldehyde
Concen: 4.20 ng/ul
RT: 7.00 min Scan# 666
Delta R.T. 0.01 min
Lab File: BM012596.D
Acq: 31 Oct 2017 04:47

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

Tgt Ion: 77 Resp: 72082

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 302.0 | 66.1 | 99.1# |
| 106 | 76.5 | 67.8 | 101.6 |

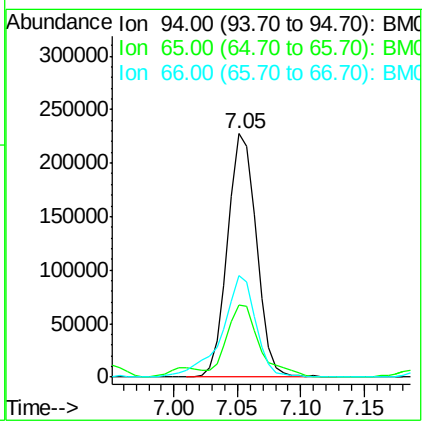


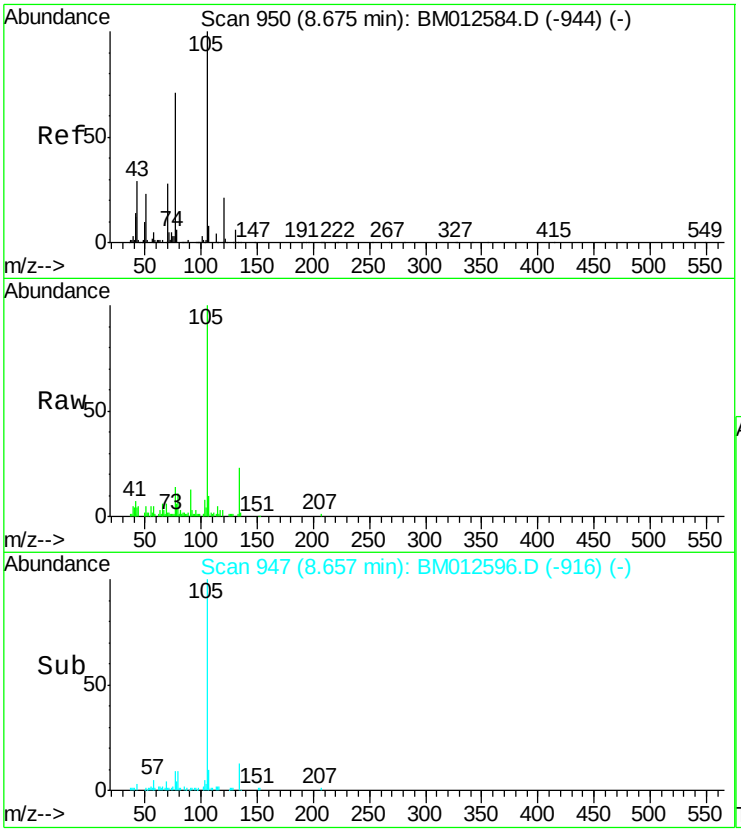




#6
Phenol
Concen: 10.89 ng/ul
RT: 7.05 min Scan# 674
Delta R.T. 0.00 min
Lab File: BM012596.D
Acq: 31 Oct 2017 04:47

Tgt Ion: 94 Resp: 358158

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.7 | 28.2 | 42.4 |
| 66 | 41.7 | 47.2 | 70.8# |



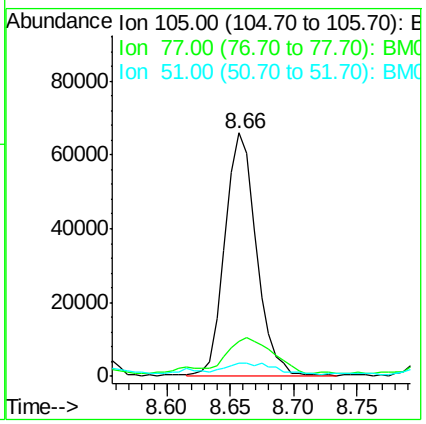


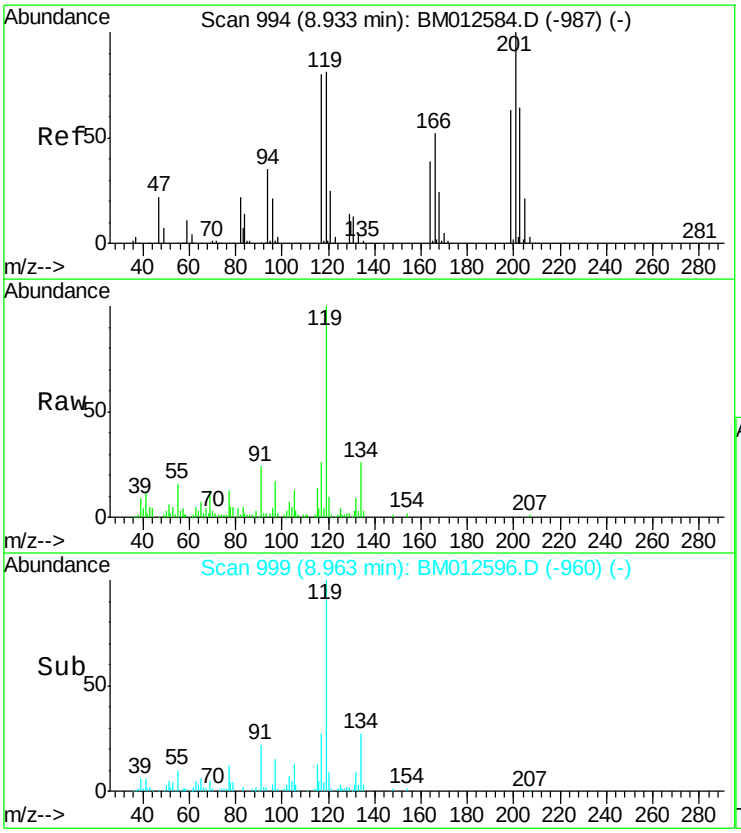

#14
Acetophenone
Concen: 2.68 ng/ul
RT: 8.66 min Scan# 947
Delta R.T. -0.02 min
Lab File: BM012596.D
Acq: 31 Oct 2017 04:47

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

Tgt Ion:105 Resp: 113745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 77 | 14.3 | 74.2 | 111.4# |
| 51 | 5.3 | 23.4 | 35.2# |

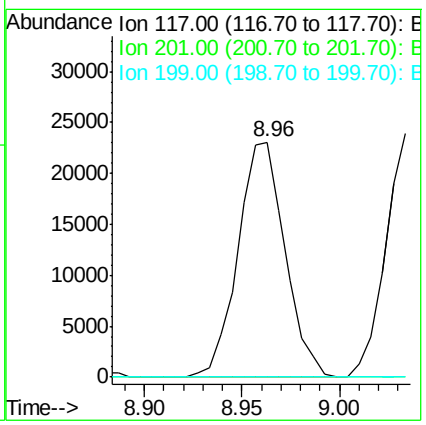


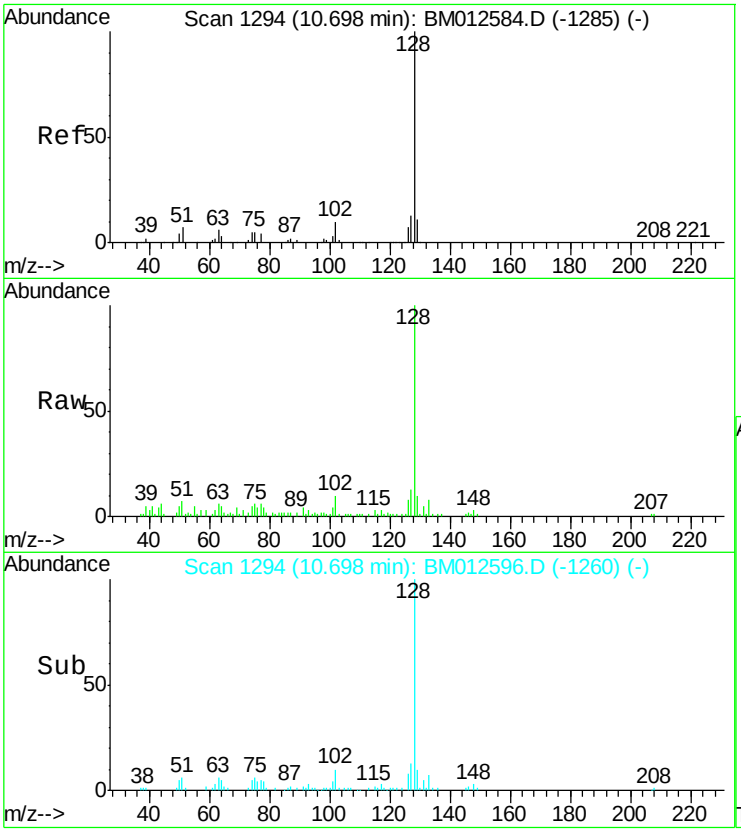




#17
Hexachloroethane
Concen: 3.75 ng/ul
RT: 8.96 min Scan# 999
Delta R.T. 0.03 min
Lab File: BM012596.D
Acq: 31 Oct 2017 04:47

Tgt Ion:117 Resp: 38468

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 111.6 | 167.4# |
| 199 | 0.0 | 67.8 | 101.6# |



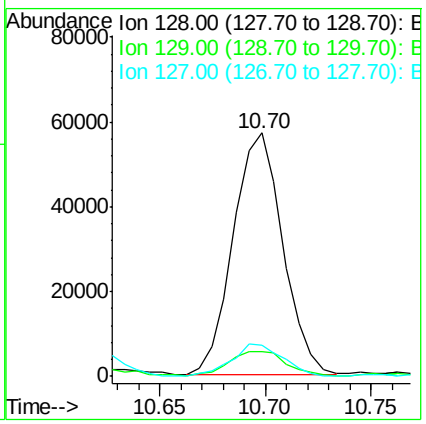


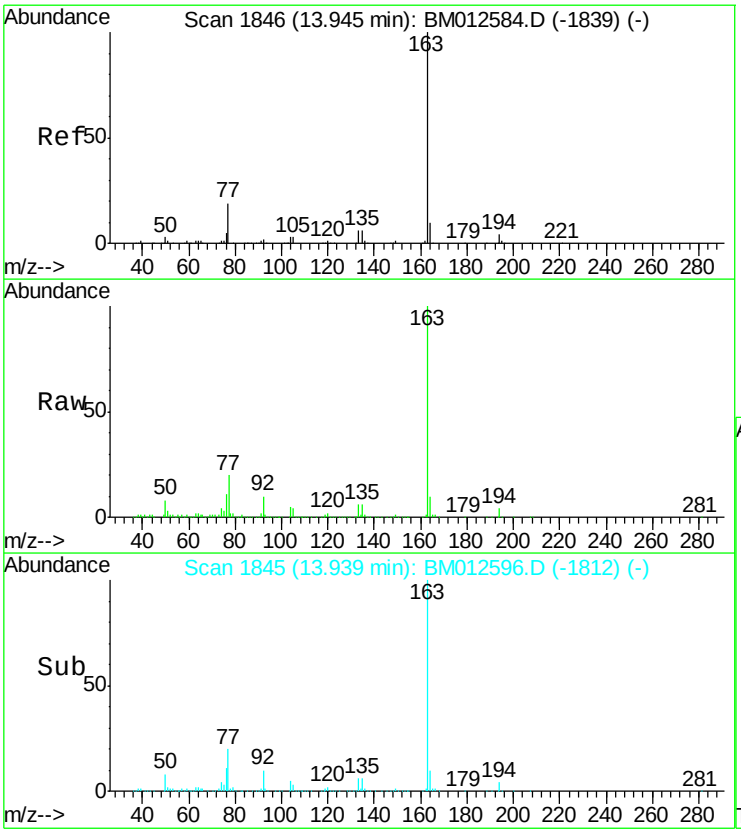

#28
Naphthalene
Concen: 1.31 ng/ul
RT: 10.70 min Scan# 1294
Delta R.T. 0.00 min
Lab File: BM012596.D
Acq: 31 Oct 2017 04:47

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

Tgt Ion:128 Resp: 93102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.2 | 8.8 | 13.2 |
| 127 | 12.9 | 10.6 | 16.0 |

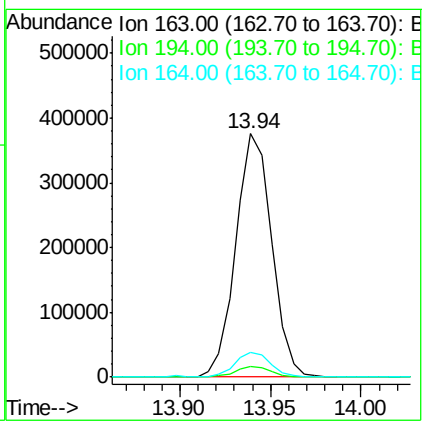


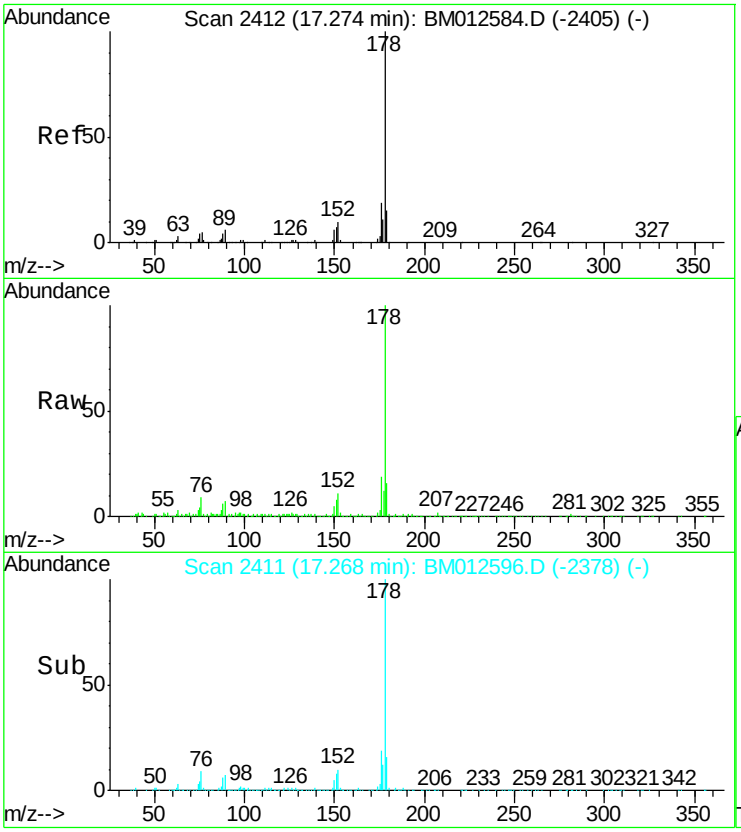




#44
Dimethylphthalate
Concen: 7.22 ng/ul
RT: 13.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BM012596.D
Acq: 31 Oct 2017 04:47

Tgt Ion:163 Resp: 514711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.3 | 3.5 | 5.3 |
| 164 | 10.0 | 8.2 | 12.4 |



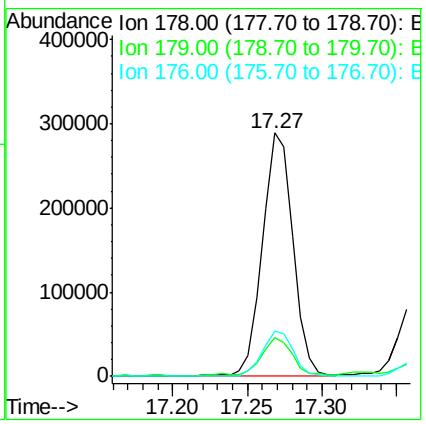


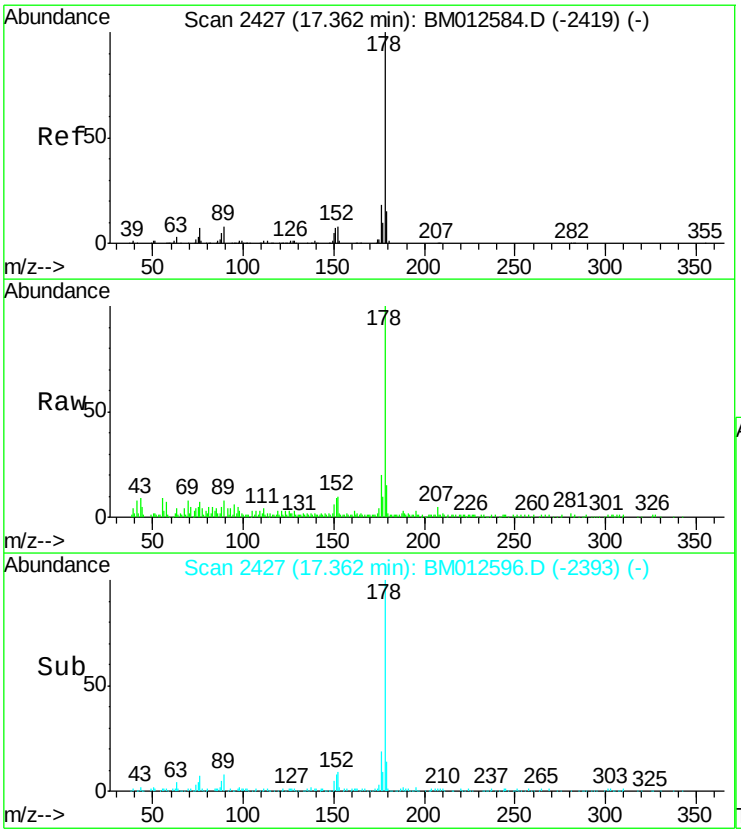

#69
Phenanthrene
Concen: 3.98 ng/ul
RT: 17.27 min Scan# 2411
Delta R.T. -0.01 min
Lab File: BM012596.D
Acq: 31 Oct 2017 04:47

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

Tgt Ion:178 Resp: 403867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 16.1 | 12.6 | 19.0 |
| 176 | 18.7 | 14.9 | 22.3 |

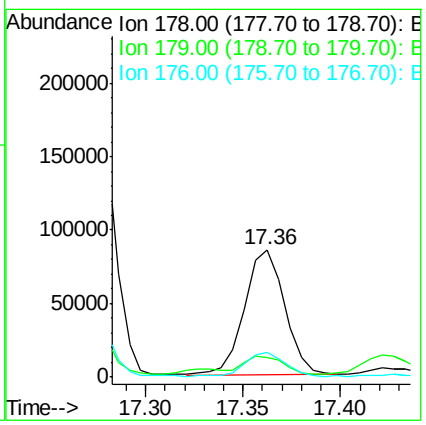


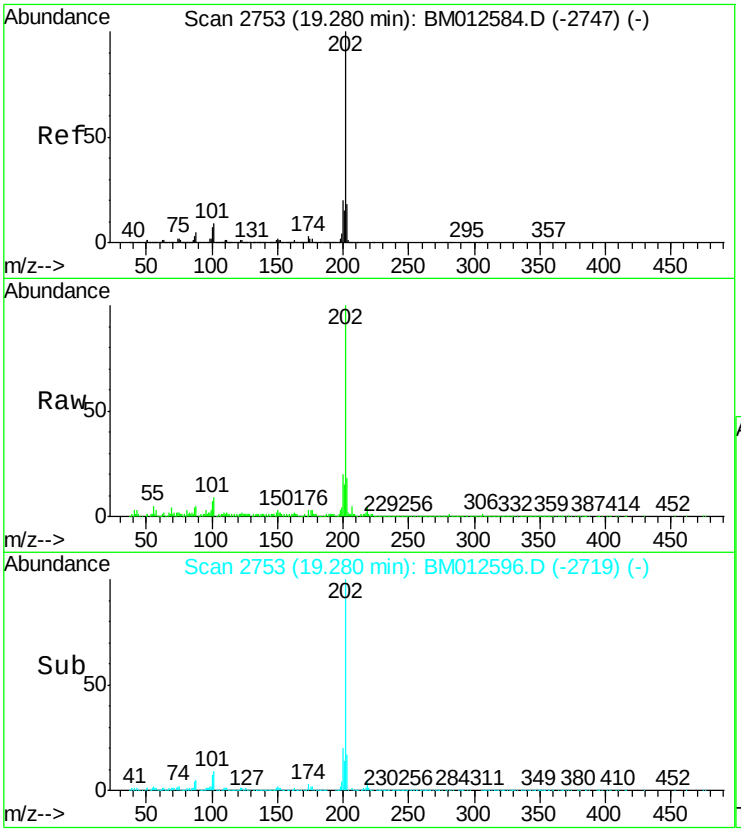




#71
Anthracene
Concen: 1.16 ng/ul
RT: 17.36 min Scan# 2427
Delta R.T. 0.00 min
Lab File: BM012596.D
Acq: 31 Oct 2017 04:47

Tgt Ion:178 Resp: 121707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.5 | 11.7 | 17.5 |
| 176 | 19.7 | 14.6 | 21.8 |



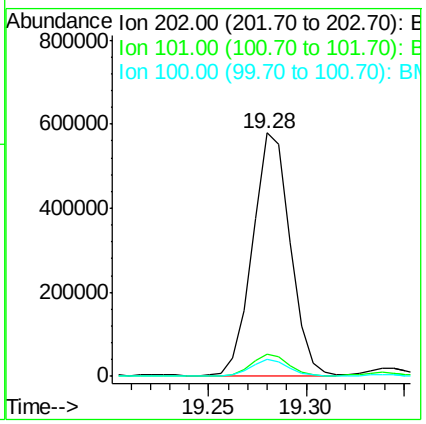


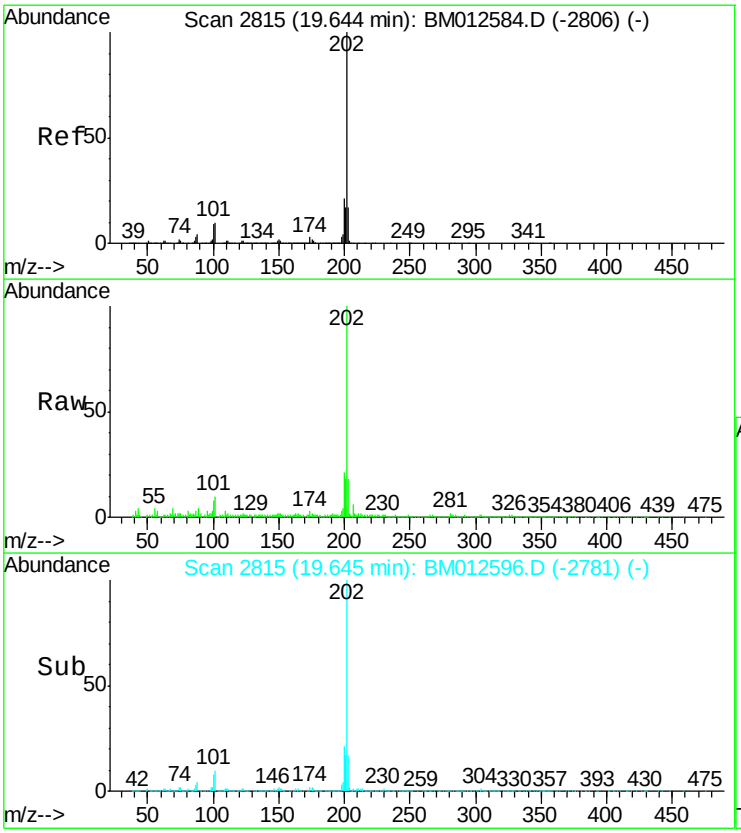

#74
Fluoranthene
Concen: 6.68 ng/ul
RT: 19.28 min Scan# 2753
Delta R.T. 0.00 min
Lab File: BM012596.D
Acq: 31 Oct 2017 04:47

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

Tgt Ion:202 Resp: 767530

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.0 | 4.6 | 7.0# |
| 100 | 7.2 | 3.4 | 5.2# |

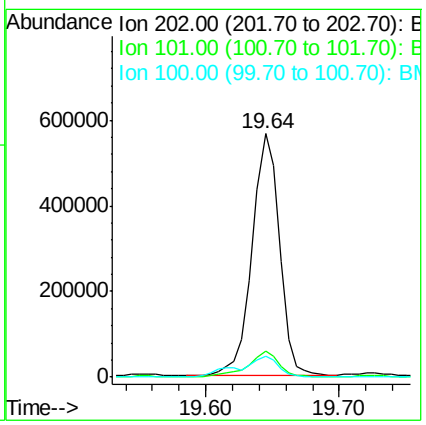


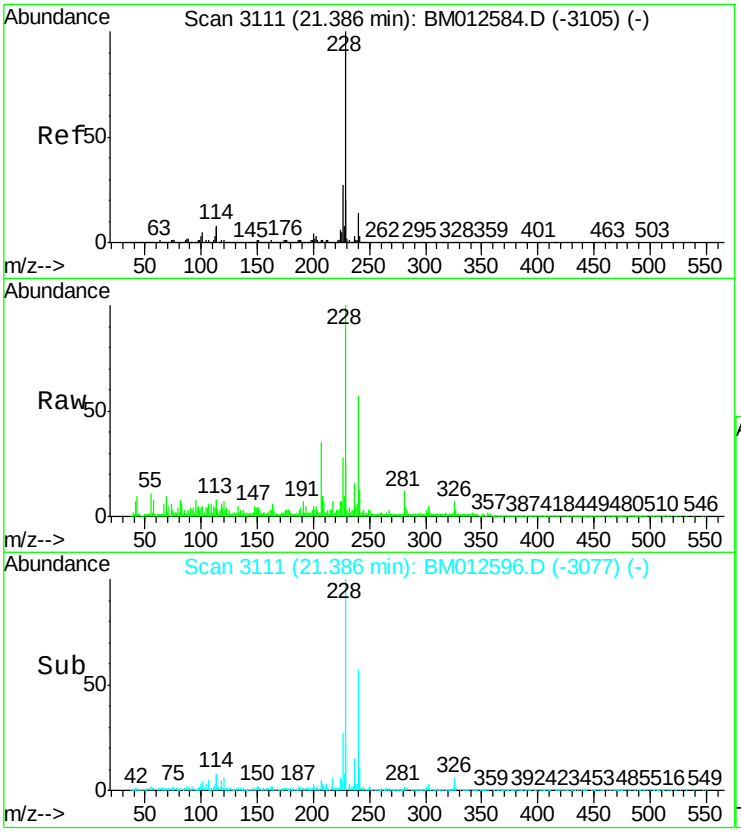




#77
Pyrene
Concen: 6.37 ng/ul
RT: 19.64 min Scan# 2815
Delta R.T. 0.00 min
Lab File: BM012596.D
Acq: 31 Oct 2017 04:47

Tgt Ion:202 Resp: 801090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.4 | 5.1 | 7.7# |
| 100 | 8.5 | 4.9 | 7.3# |



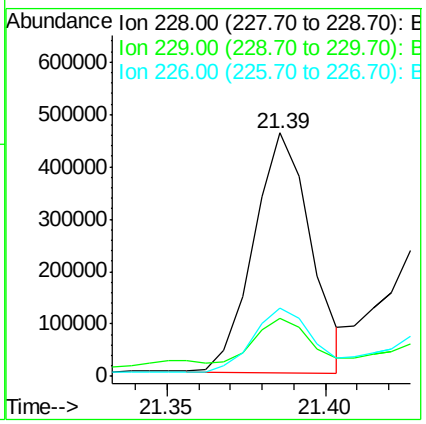


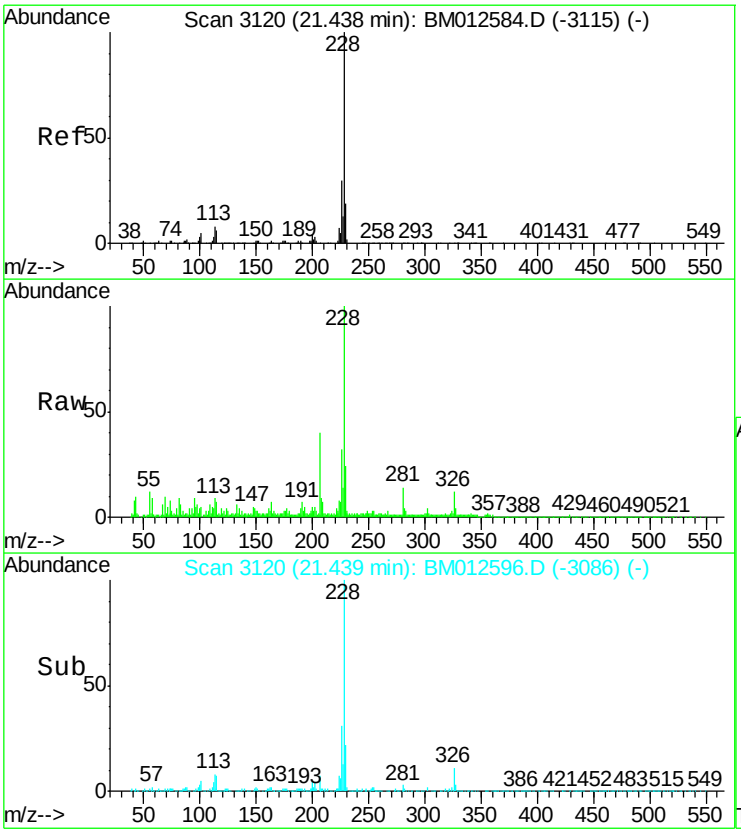

#80
Benzo(a)anthracene
Concen: 4.36 ng/ul
RT: 21.39 min Scan# 3111
Delta R.T. 0.00 min
Lab File: BM012596.D
Acq: 31 Oct 2017 04:47

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

Tgt Ion:228 Resp: 577341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 23.6 | 15.4 | 23.0# |
| 226 | 28.2 | 21.4 | 32.0 |

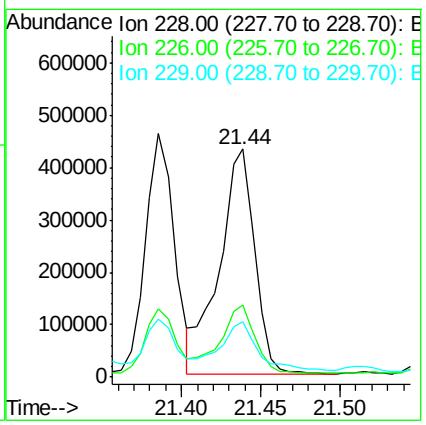


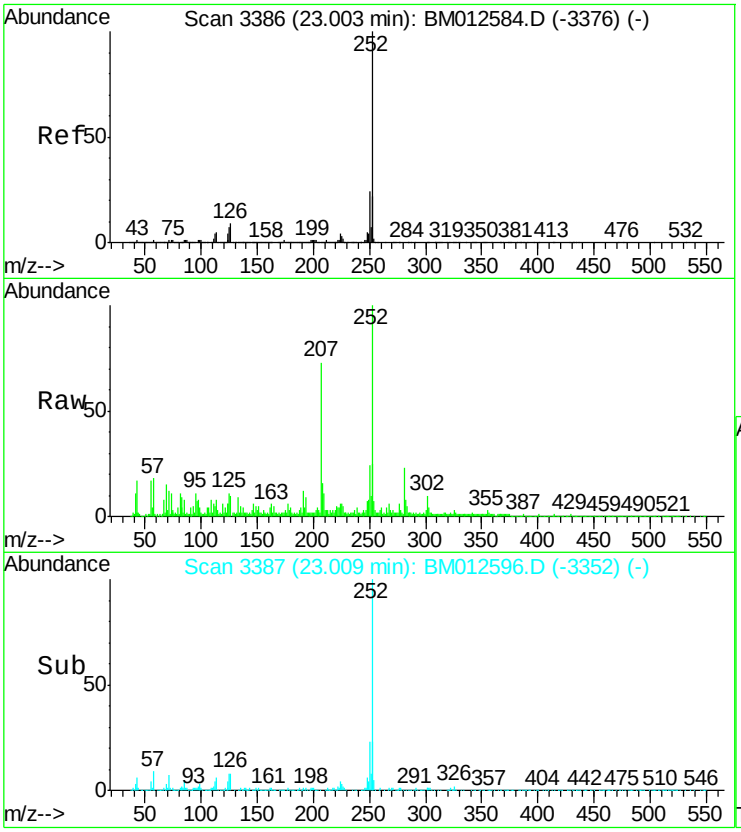




#82
Chrysene
Concen: 5.65 ng/ul
RT: 21.44 min Scan# 3120
Delta R.T. 0.00 min
Lab File: BM012596.D
Acq: 31 Oct 2017 04:47

Tgt Ion:228 Resp: 665010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.6 | 23.4 | 35.2 |
| 229 | 24.2 | 15.5 | 23.3# |



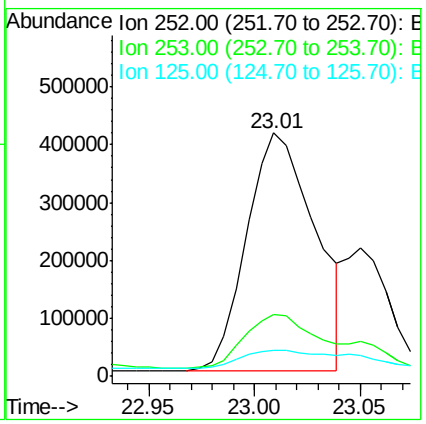


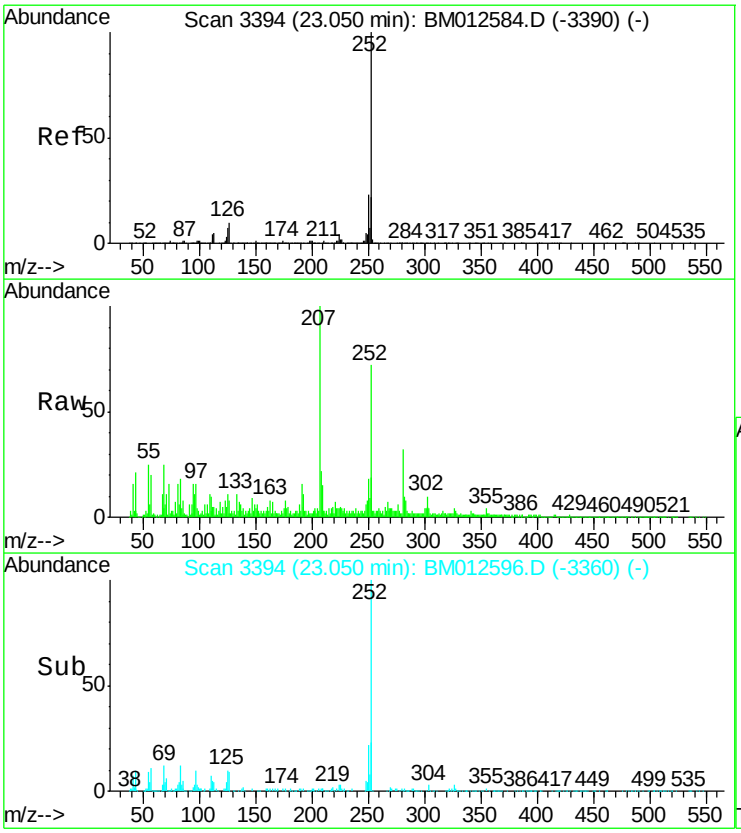

#85
Benzo(b)fluoranthene
Concen: 5.98 ng/ul
RT: 23.01 min Scan# 3387
Delta R.T. 0.01 min
Lab File: BM012596.D
Acq: 31 Oct 2017 04:47

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

Tgt Ion:252 Resp: 925790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.4 | 17.9 | 26.9 |
| 125 | 10.7 | 3.6 | 5.4# |

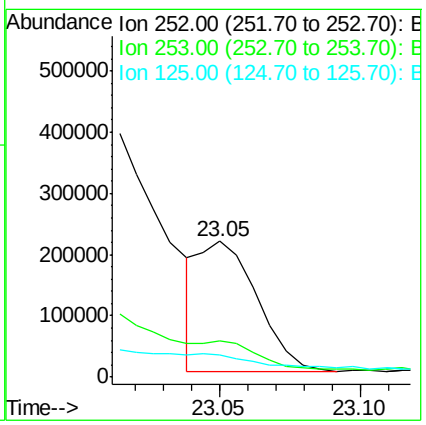


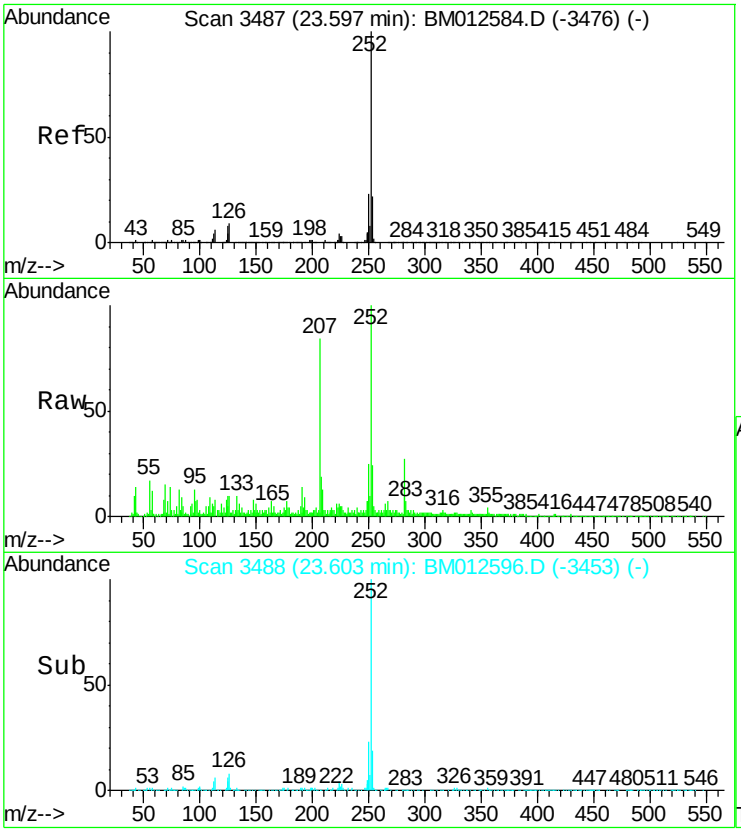




#86
Benzo(k)fluoranthene
Concen: 2.07 ng/ul
RT: 23.05 min Scan# 3394
Delta R.T. 0.00 min
Lab File: BM012596.D
Acq: 31 Oct 2017 04:47

Tgt Ion:252 Resp: 301492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.1 | 17.1 | 25.7# |
| 125 | 16.0 | 3.4 | 5.2# |



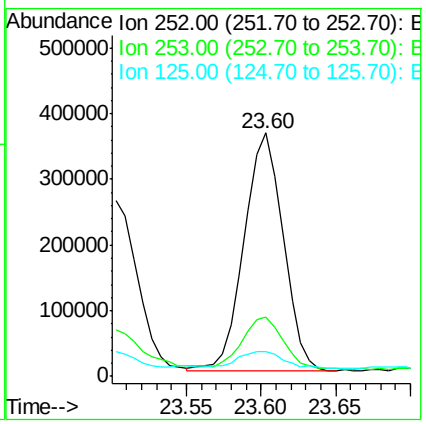


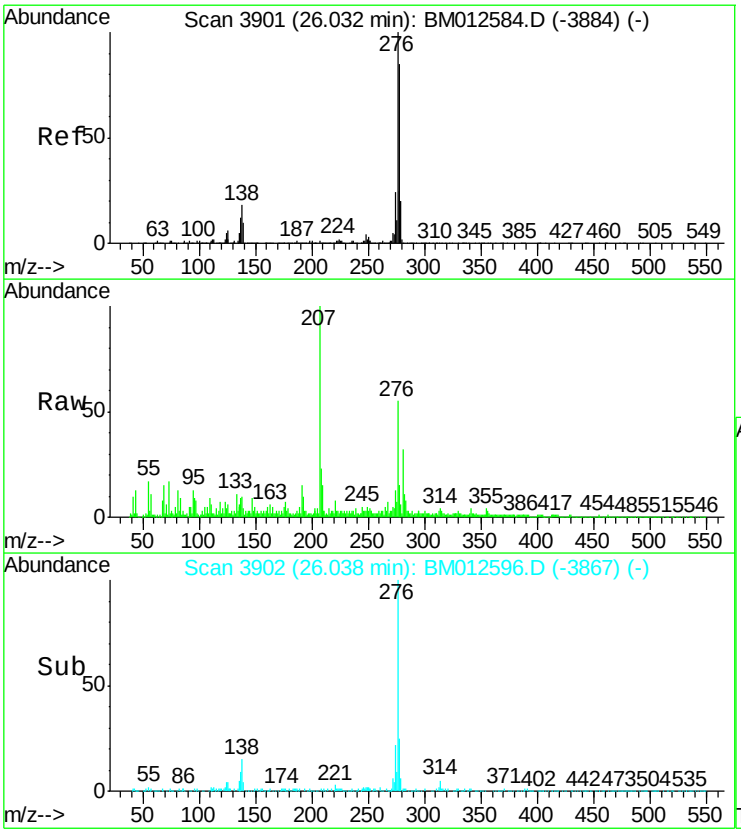

#88
Benzo(a)pyrene
Concen: 4.43 ng/ul
RT: 23.60 min Scan# 3488
Delta R.T. 0.01 min
Lab File: BM012596.D
Acq: 31 Oct 2017 04:47

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

Tgt Ion:252 Resp: 654374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.2 | 18.2 | 27.2 |
| 125 | 10.0 | 4.0 | 6.0# |

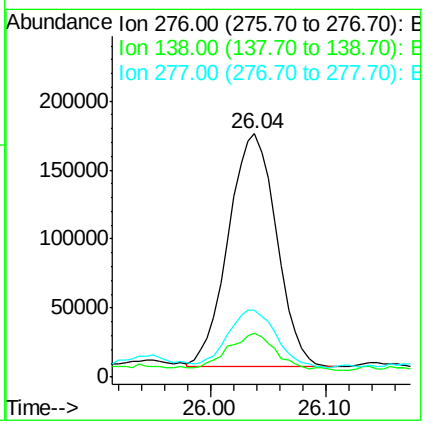


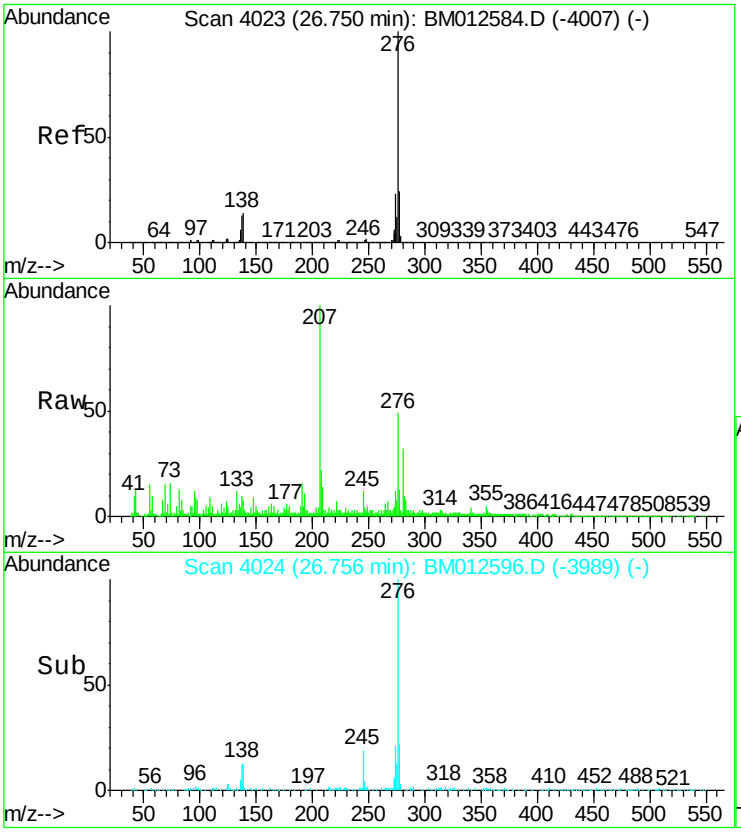




#89
Indeno(1,2,3-cd)pyrene
Concen: 2.82 ng/ul
RT: 26.04 min Scan# 3902
Delta R.T. 0.01 min
Lab File: BM012596.D
Acq: 31 Oct 2017 04:47

Tgt Ion:276 Resp: 490777

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.8 | 9.3 | 13.9# |
| 277 | 27.5 | 19.9 | 29.9 |






#91
Benzo(g,h,i)perylene
Concen: 3.28 ng/ul
RT: 26.76 min Scan# 4024
Delta R.T. 0.01 min
Lab File: BM012596.D
Acq: 31 Oct 2017 04:47

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

Tgt Ion:276 Resp: 461975

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.2 | 8.5 | 12.7# |
| 277 | 26.0 | 18.6 | 28.0 |