Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120418\

Quantitation Report (Not Reviewed)

Data File : BM017896.D
Acq On : 04 Dec 2018 04:32
Operator : JU/SJ
Sample : J6045-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** CB4T2

Quant Time: Dec 04 06:17:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 04 00:18:53 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.57 | 152 | 231709 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.35 | 136 | 1002654 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.22 | 164 | 591329 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 16.98 | 188 | 1228949 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.19 | 240 | 1106531 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.37 | 264 | 1004575 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.04 | 96 | 235 | 0.05 | ng/uL | -0.14 |
| 5) Phenol-d5 | 0.00 | 99 | 0 | 0.00 | ng/ul | |
| 7) Bis-(2-Chloroethyl)ether-d | 6.95 | 67 | 1032 | 0.08 | ng/ul | 0.02 |
| 9) 2-Chlorophenol-d4 | 0.00 | 132 | 0 | 0.00 | ng/ul | |
| 13) 4-Methylphenol-d8 | 0.00 | 113 | 0 | 0.00 | ng/ul | |
| 19) Nitrobenzene-d5 | 0.00 | 128 | 0 | 0.00 | ng/ul | |
| 22) 2-Nitrophenol-d4 | 0.00 | 143 | 0 | 0.00 | ng/ul | |
| 26) 2,4-Dichlorophenol-d3 | 0.00 | 165 | 0 | 0.00 | ng/ul | |
| 29) 4-Chloroaniline-d4 | 10.35 | 131 | 1301 | 0.09 | ng/ul | -0.15 |
| 43) Dimethylphthalate-d6 | 0.00 | 166 | 0 | 0.00 | ng/ul | |
| 46) Acenaphthylene-d8 | 0.00 | 160 | 0 | 0.00 | ng/ul | |
| 51) 4-Nitrophenol-d4 | 0.00 | 143 | 0 | 0.00 | ng/ul | |
| 57) Fluorene-d10 | 15.24 | 176 | 3075 | 0.07 | ng/ul | 0.01 |
| 62) 4,6-Dinitro-2-methylphenol | 0.00 | 200 | 0 | 0.00 | ng/ul | |
| 70) Anthracene-d10 | 17.16 | 188 | 14052 | 0.23 | ng/ul | 0.08 |
| 78) Pyrene-d10 | 19.38 | 212 | 1011 | 0.02 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.23 | 264 | 1304 | 0.02 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 69) Phenanthrene | 17.03 | 178 | 208745 | 2.970 | ng/ul | 98 |
| 71) Anthracene | 17.03 | 178 | 208745 | 2.904 | ng/ul | 99 |
| 76) Fluoranthene | 19.05 | 202 | 433908 | 5.249 | ng/ul | 99 |
| 79) Pyrene | 19.42 | 202 | 301090 | 4.482 | ng/ul | 98 |
| 82) Benzo(a)anthracene | 21.17 | 228 | 240034 | 3.497 | ng/ul | 98 |
| 84) Chrysene | 21.22 | 228 | 277101 | 4.317 | ng/ul | 99 |
| 87) Benzo(b)fluoranthene | 22.72 | 252 | 300349 | 4.810 | ng/ul# | 96 |
| 88) Benzo(k)fluoranthene | 22.72 | 252 | 300349 | 4.949 | ng/ul# | 97 |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM120418\

Quantitation Report (Not Reviewed)

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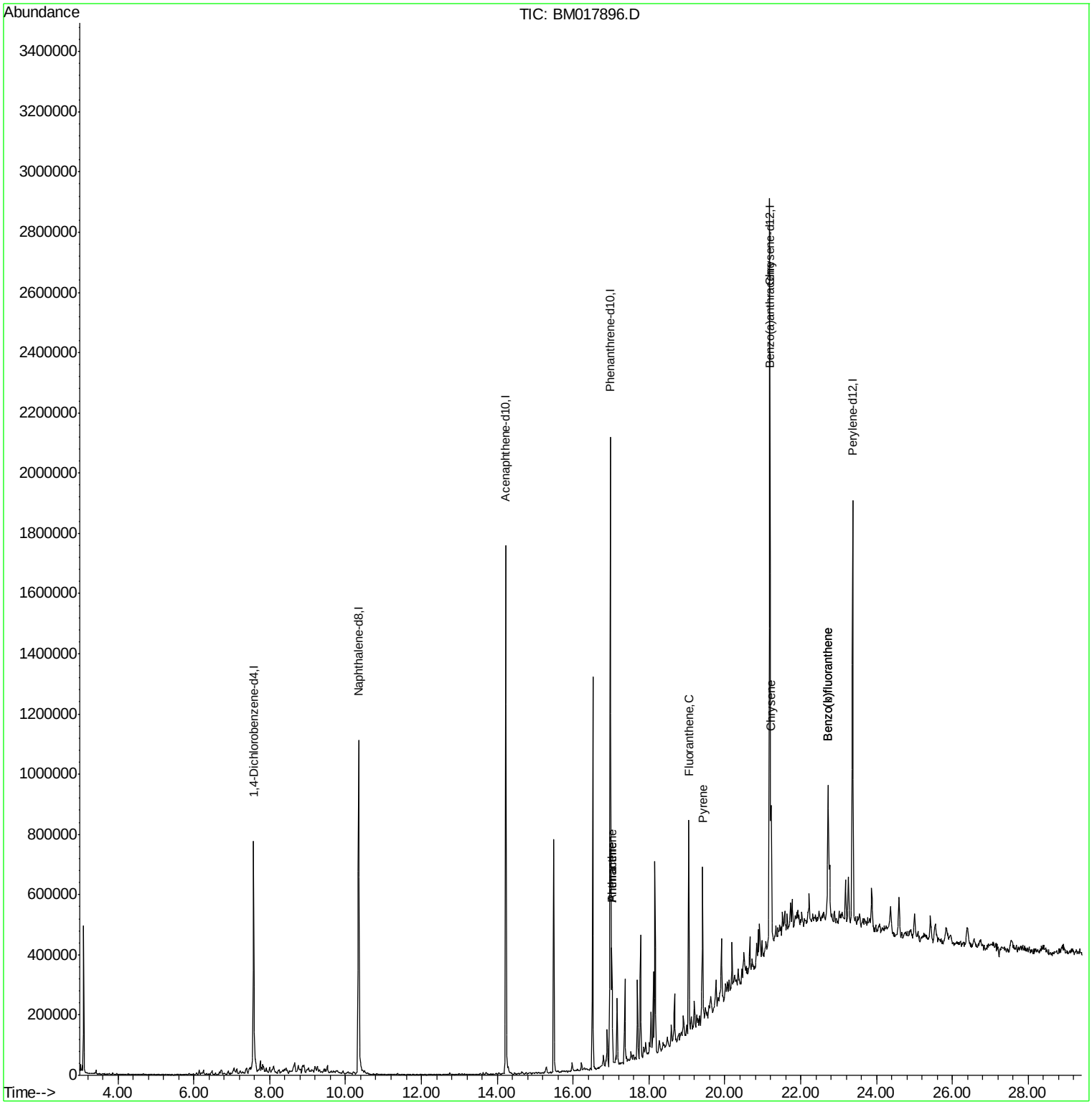
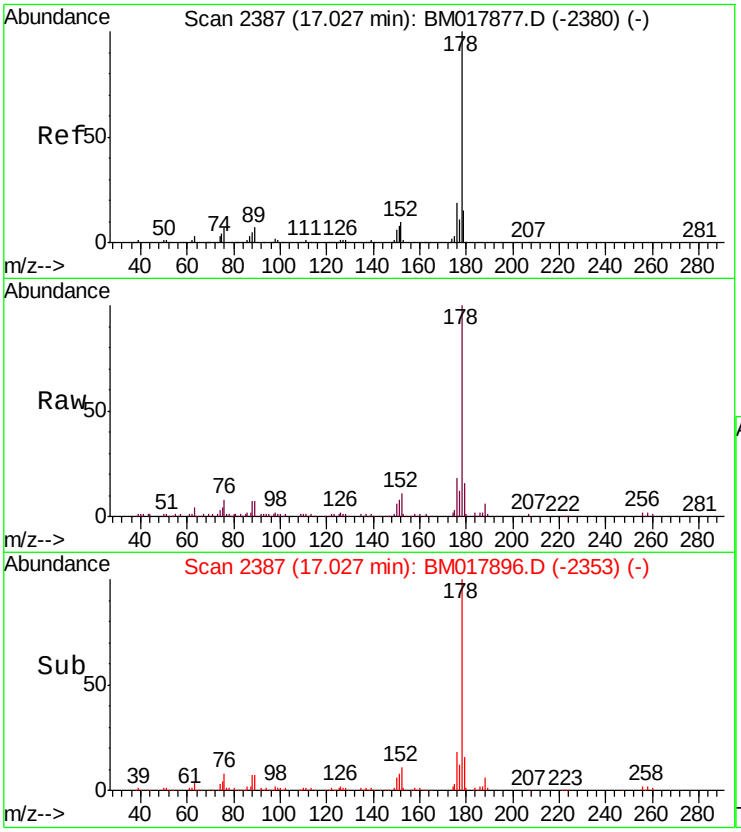
Acq On : 04 Dec 2018 04:32
Operator : JU/SJ
Sample : J6045-11
Misc :
ALS Vial : 17 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
CB4T2

Quant Time: Dec 04 06:17:46 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 04 00:18:53 2018
Response via : Initial Calibration



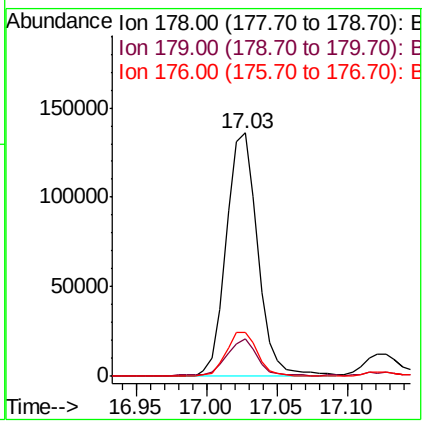


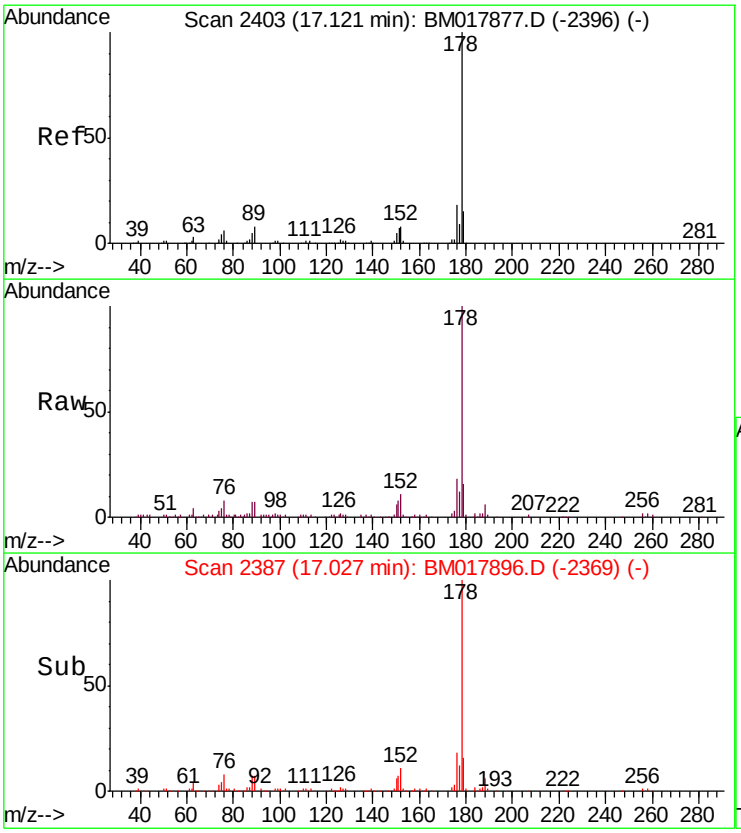

#69
Phenanthrene
Concen: 2.970 ng/ul
RT: 17.03 min Scan# 2387
Delta R.T. -0.00 min
Lab File: BM017896.D
Acq: 04 Dec 2018 04:32

**Instrument :**
BNA_M
**ClientSampleId :**
CB4T2

Tgt Ion:178 Resp: 208745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.6 | 11.8 | 17.8 |
| 176 | 18.1 | 15.0 | 22.6 |

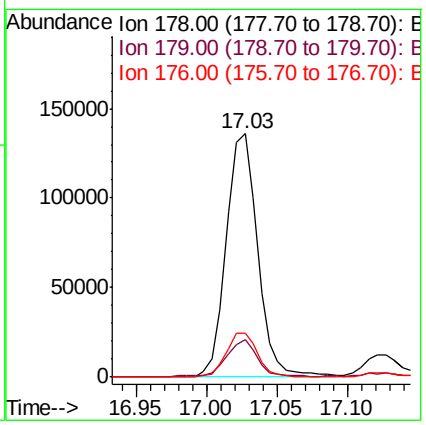


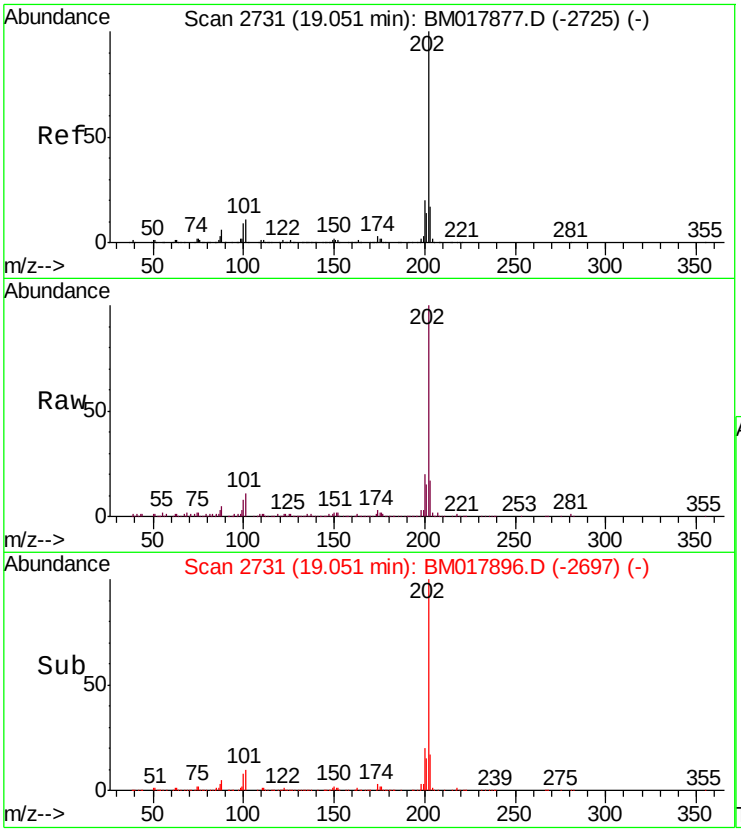




#71
Anthracene
Concen: 2.904 ng/ul
RT: 17.03 min Scan# 2387
Delta R.T. -0.09 min
Lab File: BM017896.D
Acq: 04 Dec 2018 04:32

Tgt Ion:178 Resp: 208745

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.6 | 12.4 | 18.6 |
| 176 | 18.1 | 14.8 | 22.2 |



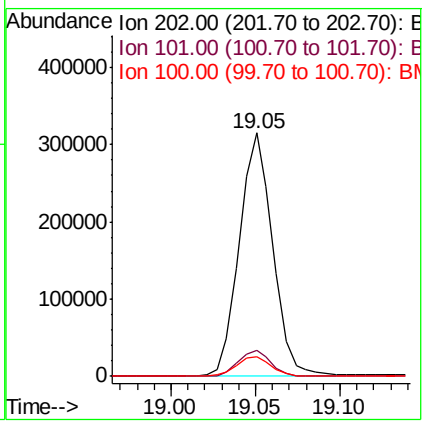


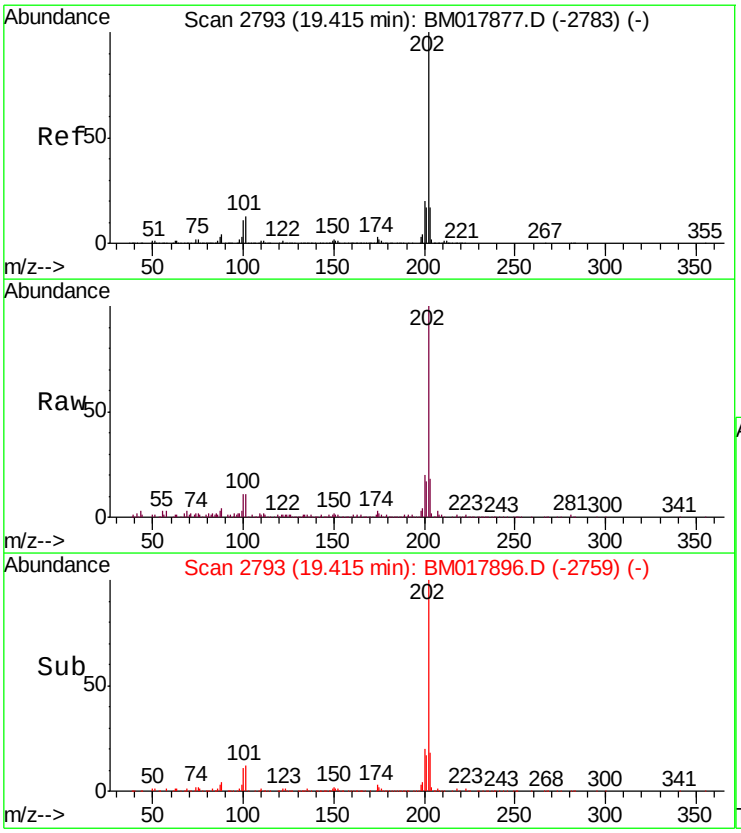

#76
Fluoranthene
Concen: 5.249 ng/ul
RT: 19.05 min Scan# 2731
Delta R.T. -0.00 min
Lab File: BM017896.D
Acq: 04 Dec 2018 04:32

**Instrument :**
BNA_M
**ClientSampleId :**
CB4T2

Tgt Ion:202 Resp: 433908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.7 | 8.4 | 12.6 |
| 100 | 7.9 | 6.6 | 9.8 |

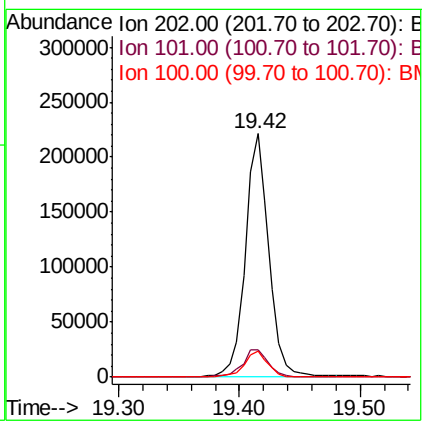


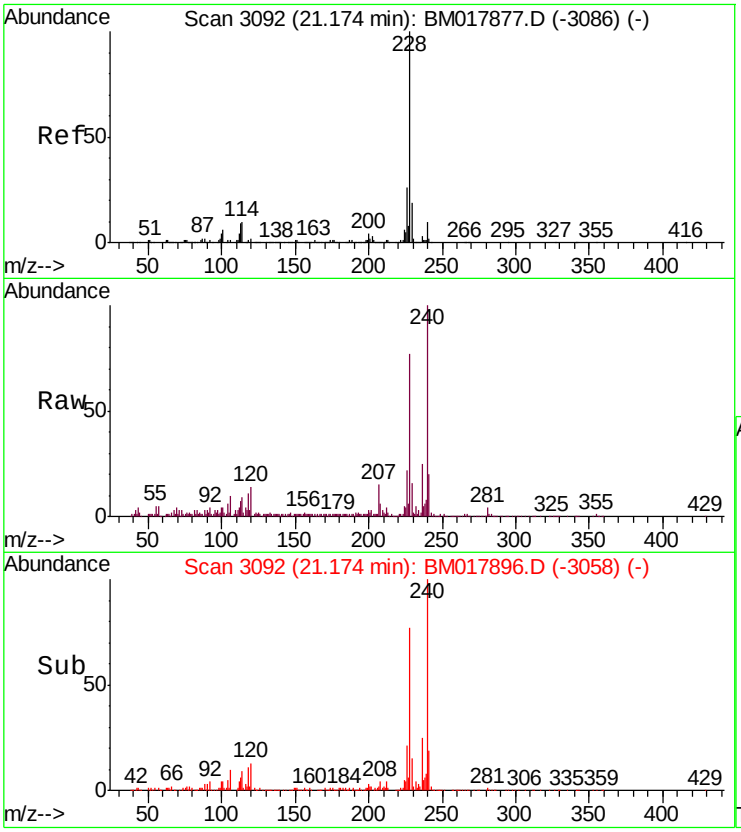




#79
Pyrene
Concen: 4.482 ng/ul
RT: 19.42 min Scan# 2793
Delta R.T. -0.00 min
Lab File: BM017896.D
Acq: 04 Dec 2018 04:32

Tgt Ion:202 Resp: 301090

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.5 | 9.6 | 14.4 |
| 100 | 10.5 | 7.9 | 11.9 |



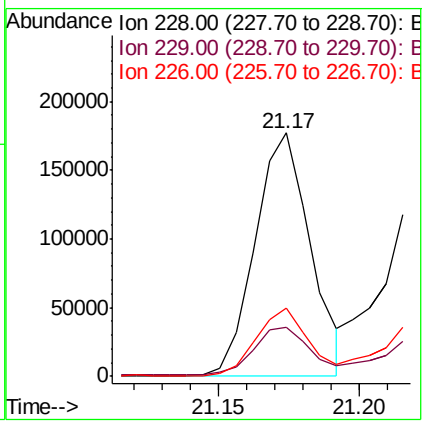


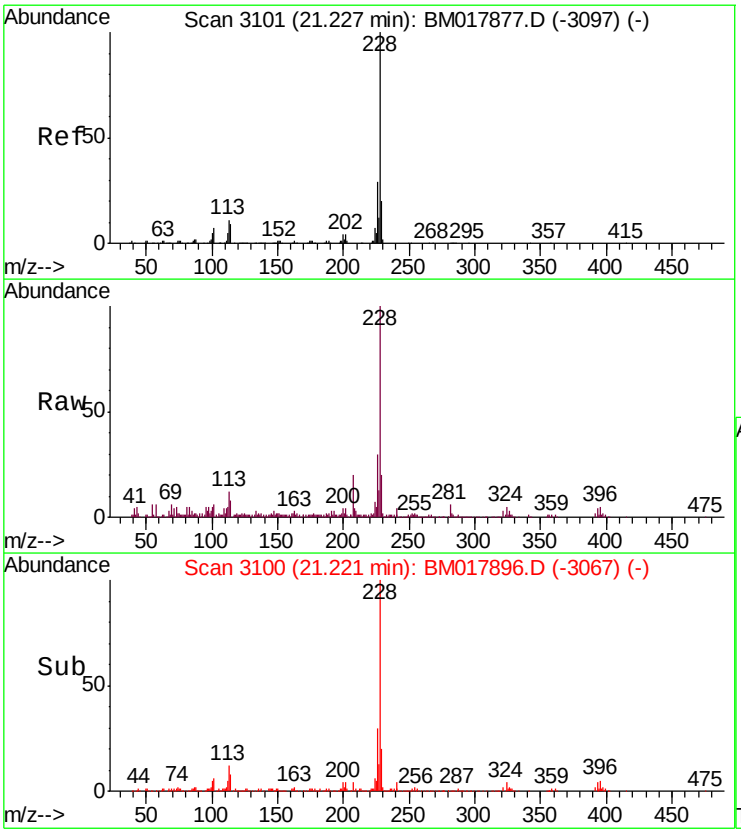

#82
Benzo(a)anthracene
Concen: 3.497 ng/ul
RT: 21.17 min Scan# 3092
Delta R.T. -0.00 min
Lab File: BM017896.D
Acq: 04 Dec 2018 04:32

**Instrument :**
BNA_M
**ClientSampleId :**
CB4T2

Tgt Ion:228 Resp: 240034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.3 | 16.0 | 24.0 |
| 226 | 27.8 | 21.0 | 31.6 |

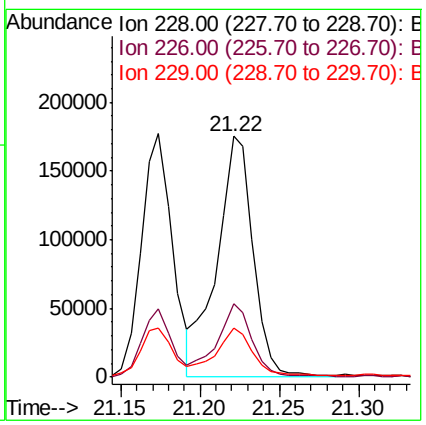


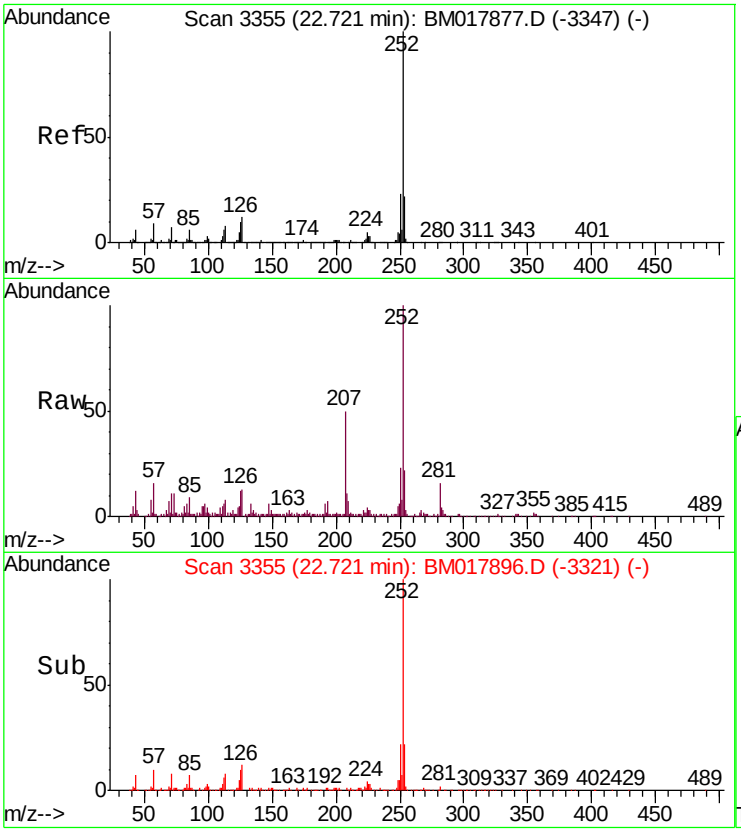




#84
Chrysene
Concen: 4.317 ng/ul
RT: 21.22 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BM017896.D
Acq: 04 Dec 2018 04:32

Tgt Ion:228 Resp: 277101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.4 | 23.7 | 35.5 |
| 229 | 20.4 | 15.8 | 23.8 |



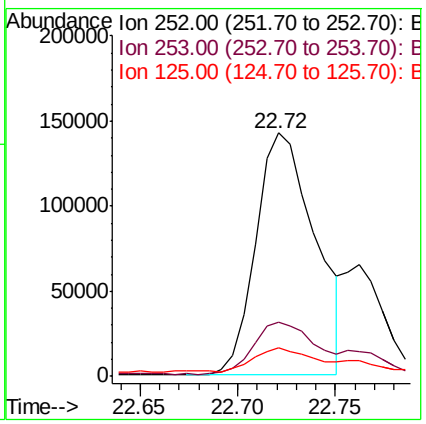


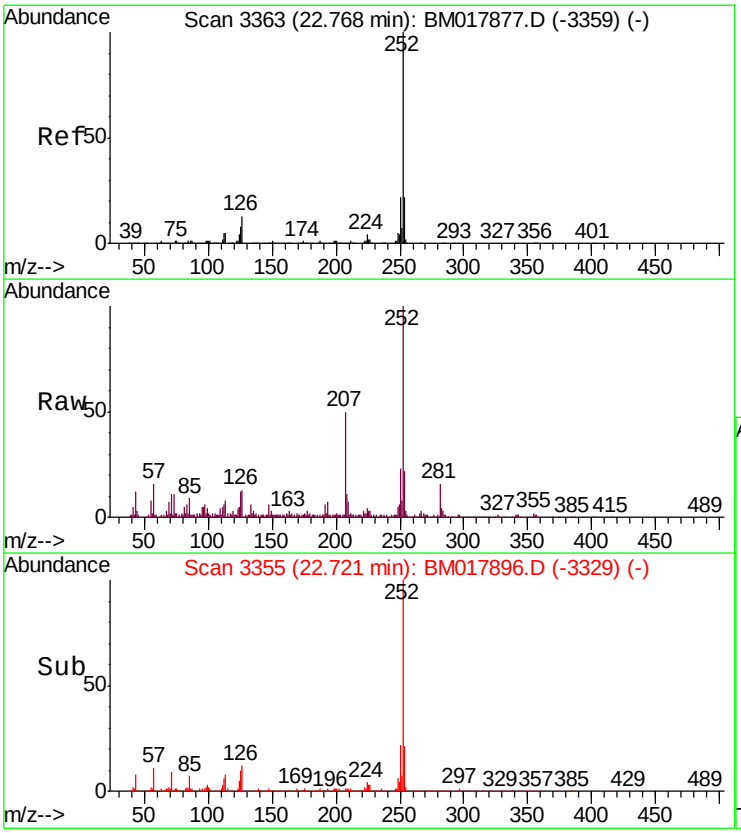

#87
Benzo(b)fluoranthene
Concen: 4.810 ng/ul
RT: 22.72 min Scan# 3355
Delta R.T. -0.00 min
Lab File: BM017896.D
Acq: 04 Dec 2018 04:32

**Instrument :**
BNA_M
**ClientSampleId :**
CB4T2

Tgt Ion:252 Resp: 300349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.0 | 25.4 |
| 125 | 11.8 | 7.3 | 10.9# |




#88
Benzo(k)fluoranthene
Concen: 4.949 ng/ul
RT: 22.72 min Scan# 3355
Delta R.T. -0.05 min
Lab File: BM017896.D
Acq: 04 Dec 2018 04:32

Tgt Ion:252 Resp: 300349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.4 | 26.0 |
| 125 | 11.8 | 7.1 | 10.7# |