Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100118\
Data File : BM016933.D
Acq On : 01 Oct 2018 22:15
Operator : MJ/SJ
Sample : J5124-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0B61

Quant Time: Oct 02 09:10:51 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM091018MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 27 02:42:56 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.71 | 152 | 318432 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.49 | 136 | 1359391 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.35 | 164 | 747260 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.10 | 188 | 1521388 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.29 | 240 | 1261019 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.52 | 264 | 1328687 | 20.00 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 0.00 | 96 | 0d | 0.00 | ng/uL | |
| 5) Phenol-d5 | 0.00 | 99 | 0 | 0.00 | ng/ul | |
| 7) Bis-(2-Chloroethyl)ether-d | 0.00 | 67 | 0 | 0.00 | ng/ul | |
| 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 | 0.00 | 131 | 0d | 0.00 | ng/ul | |
| 44) Dimethylphthalate-d6 | 0.00 | 166 | 0 | 0.00 | ng/ul | |
| 47) Acenaphthylene-d8 | 0.00 | 160 | 0 | 0.00 | ng/ul | |
| 52) 4-Nitrophenol-d4 | 0.00 | 143 | 0d | 0.00 | ng/ul | |
| 58) Fluorene-d10 | 0.00 | 176 | 0d | 0.00 | ng/ul | |
| 63) 4,6-Dinitro-2-methylphenol | 0.00 | 200 | 0d | 0.00 | ng/ul | |
| 71) Anthracene-d10 | 0.00 | 188 | 0d | 0.00 | ng/ul | |
| 79) Pyrene-d10 | 0.00 | 212 | 0d | 0.00 | ng/ul | |
| 90) Benzo(a)pyrene-d12 | 0.00 | 264 | 0d | 0.00 | ng/ul | |
| **Target Compounds** | | | | | | Qvalue |
| 70) Phenanthrene | 17.14 | 178 | 291778 | 3.453 | ng/ul# | 92 |
| 77) Fluoranthene | 19.16 | 202 | 849480 | 8.769 | ng/ul# | 88 |
| 80) Pyrene | 19.53 | 202 | 385020 | 4.973 | ng/ul# | 86 |
| 83) Benzo(a)anthracene | 21.27 | 228 | 321695 | 4.121 | ng/ul | 98 |
| 85) Chrysene | 21.33 | 228 | 412576 | 5.667 | ng/ul | 98 |
| 88) Benzo(b)fluoranthene | 22.86 | 252 | 455472 | 5.727 | ng/ul# | 88 |
| 89) Benzo(k)fluoranthene | 22.90 | 252 | 131415m | 1.721 | ng/ul | |

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

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ALS Vial : 21 Sample Multiplier: 1

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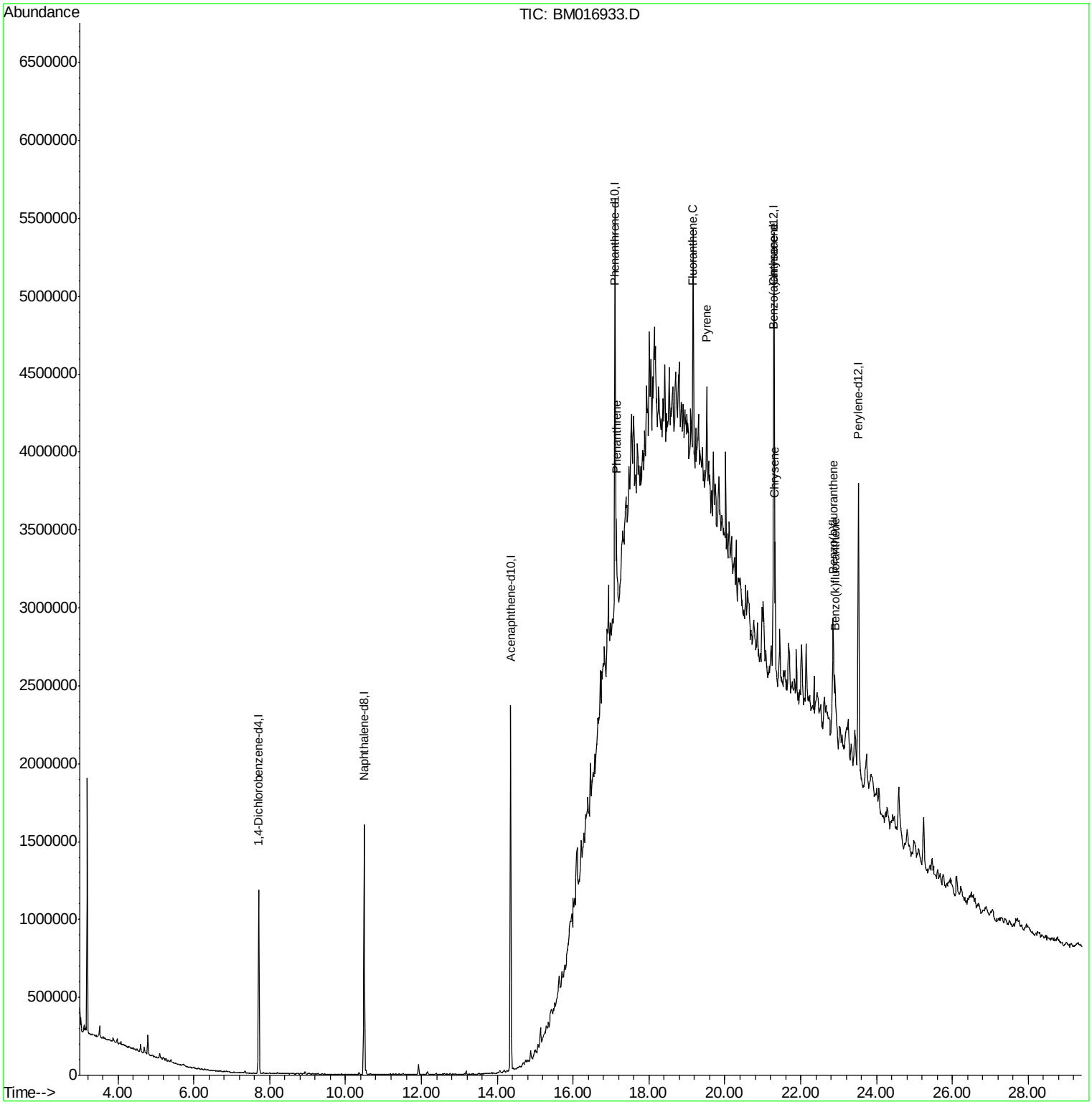
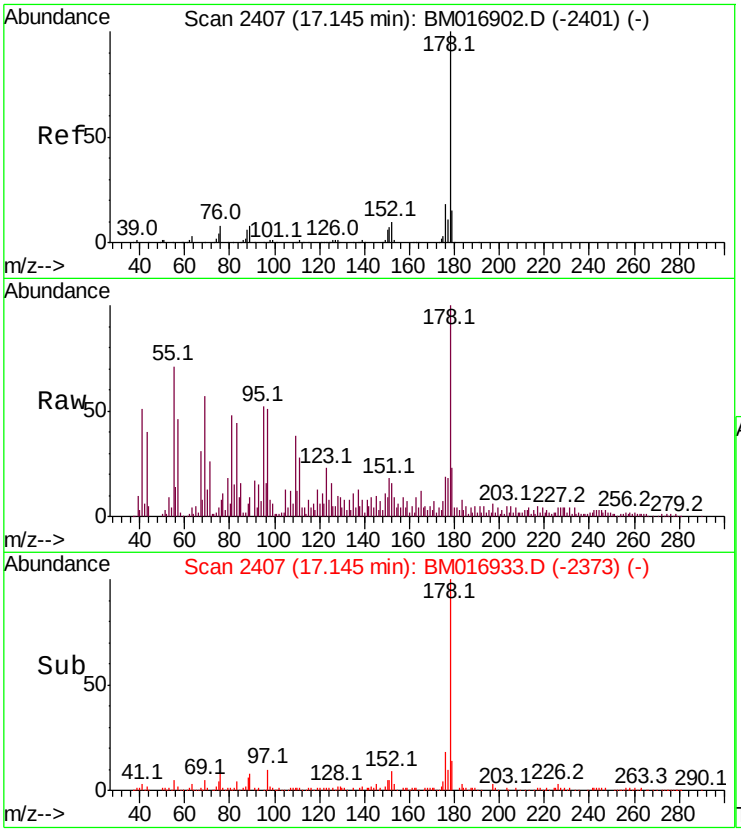


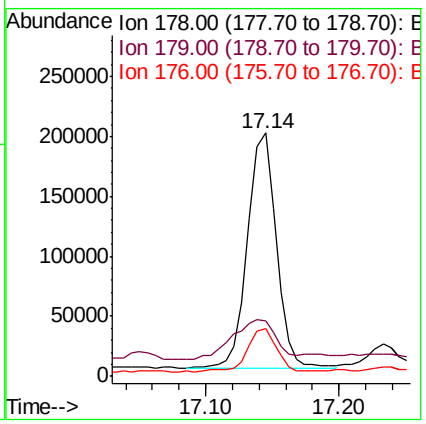


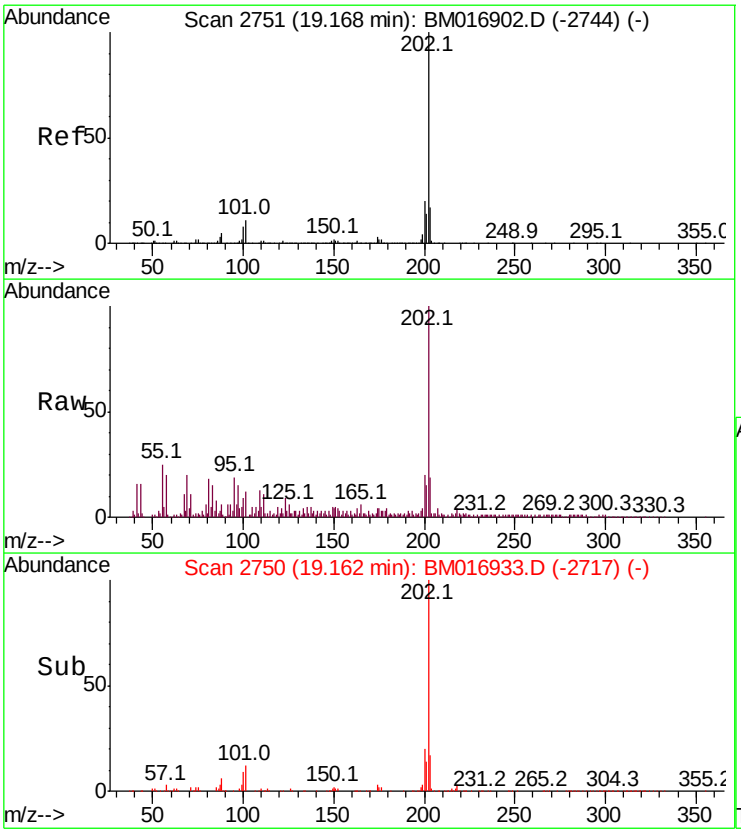

#70
Phenanthrene
Concen: 3.453 ng/ul
RT: 17.14 min Scan# 2407
Delta R.T. -0.00 min
Lab File: BM016933.D
Acq: 01 Oct 2018 22:15

**Instrument :**
BNA_M
**ClientSampleId :**
C0B61

Tgt Ion:178 Resp: 291778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 22.8 | 12.3 | 18.5# |
| 176 | 19.4 | 15.4 | 23.0 |

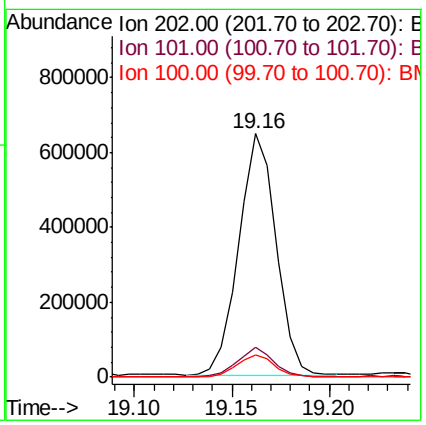


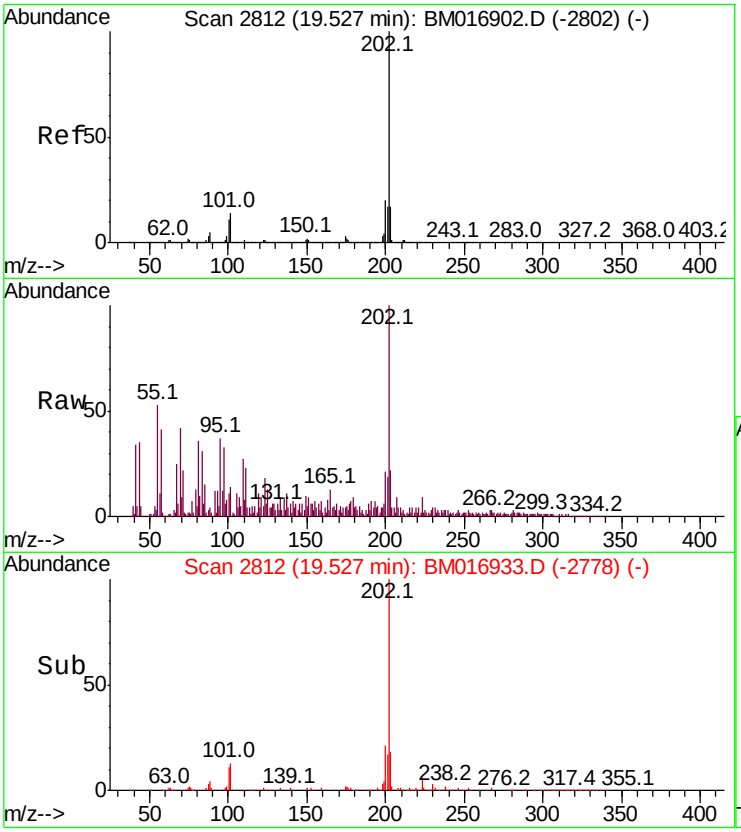




#77
Fluoranthene
Concen: 8.769 ng/ul
RT: 19.16 min Scan# 2750
Delta R.T. -0.01 min
Lab File: BM016933.D
Acq: 01 Oct 2018 22:15

Tgt Ion:202 Resp: 849480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.3 | 6.1 | 9.1# |
| 100 | 9.0 | 4.6 | 7.0# |



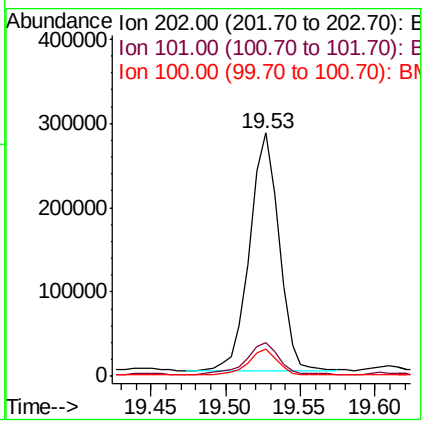


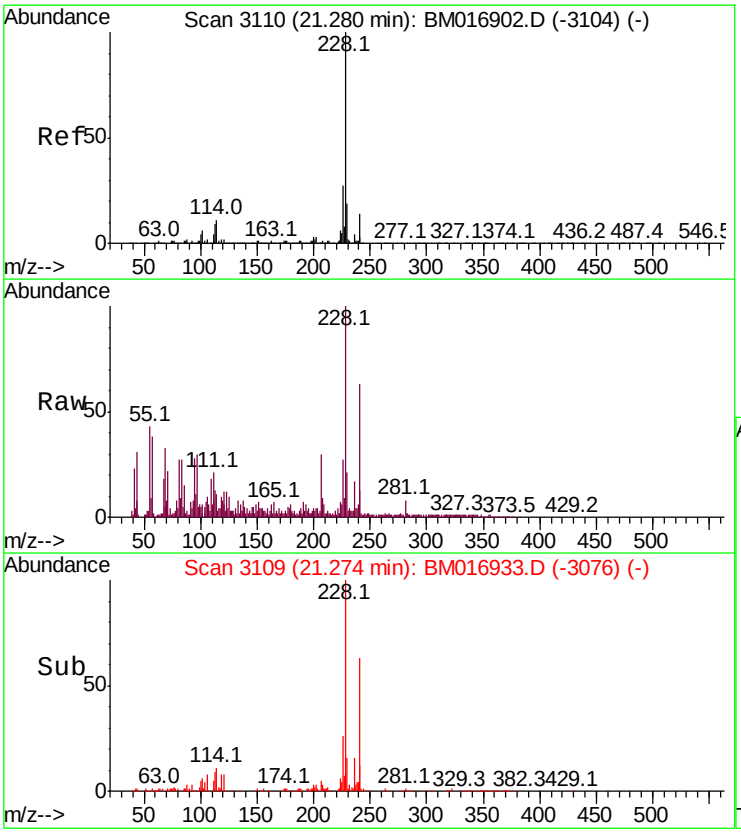

#80
Pyrene
Concen: 4.973 ng/ul
RT: 19.53 min Scan# 2812
Delta R.T. -0.00 min
Lab File: BM016933.D
Acq: 01 Oct 2018 22:15

**Instrument :**
BNA_M
**ClientSampleId :**
C0B61

Tgt Ion:202 Resp: 385020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.7 | 6.9 | 10.3# |
| 100 | 11.4 | 5.6 | 8.4# |

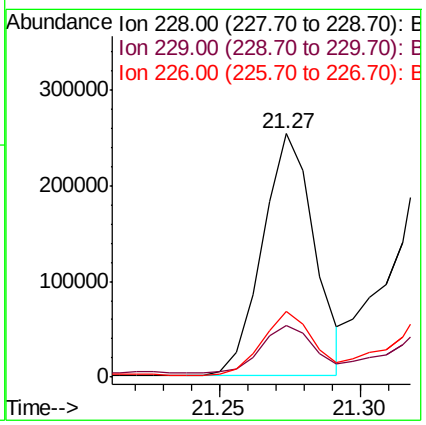


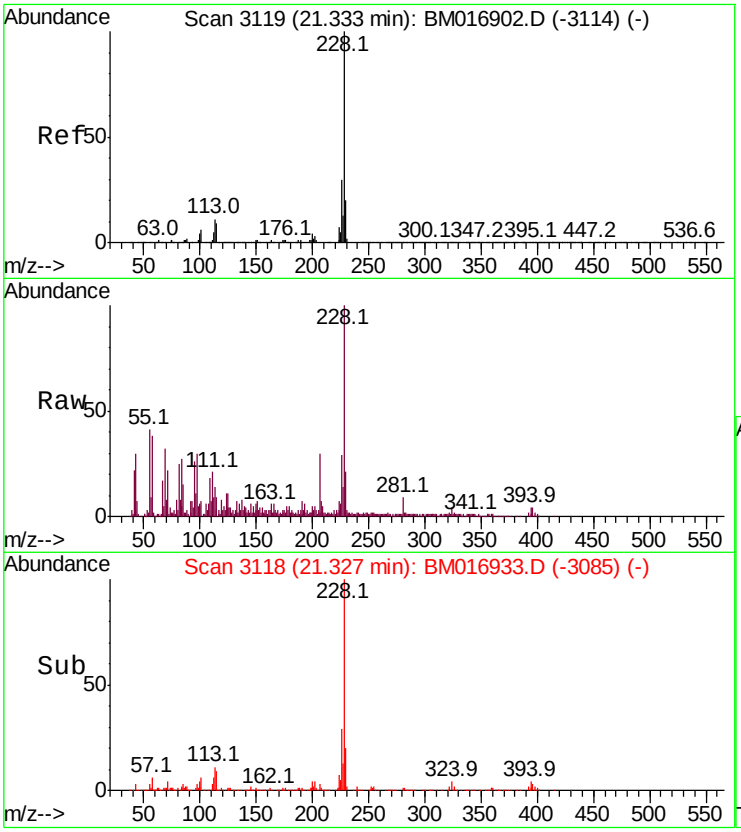




#83
Benzo(a)anthracene
Concen: 4.121 ng/ul
RT: 21.27 min Scan# 3109
Delta R.T. -0.01 min
Lab File: BM016933.D
Acq: 01 Oct 2018 22:15

Tgt Ion:228 Resp: 321695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.2 | 16.0 | 24.0 |
| 226 | 26.7 | 21.8 | 32.8 |



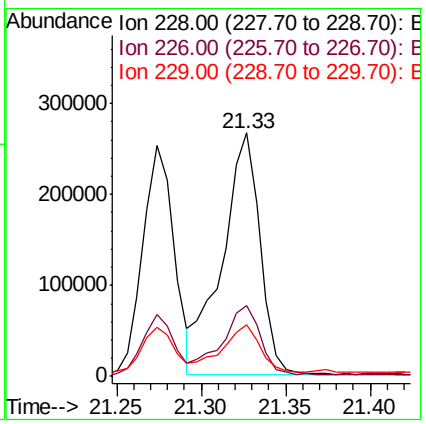


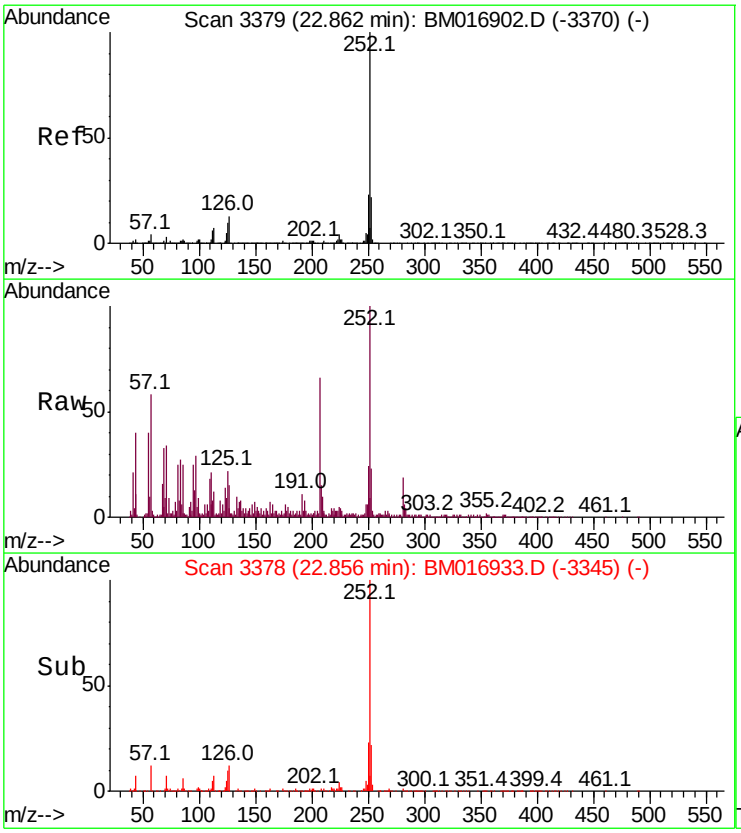

#85
Chrysene
Concen: 5.667 ng/ul
RT: 21.33 min Scan# 3118
Delta R.T. -0.01 min
Lab File: BM016933.D
Acq: 01 Oct 2018 22:15

**Instrument :**
BNA_M
**ClientSampleId :**
C0B61

Tgt Ion:228 Resp: 412576

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 24.1 | 36.1 |
| 229 | 21.3 | 16.0 | 24.0 |

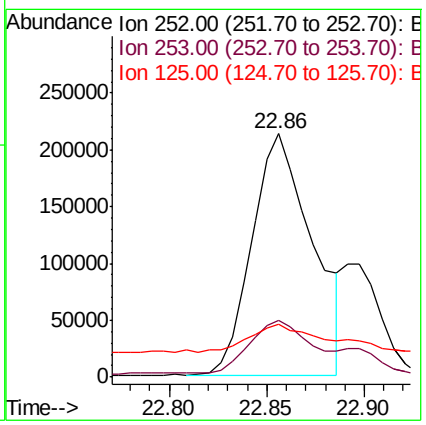


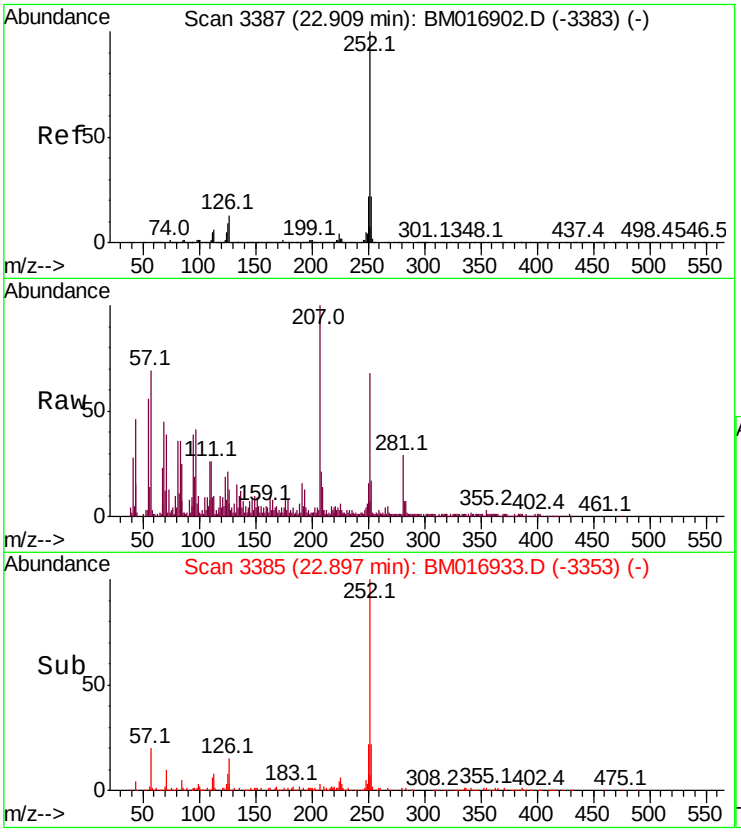




#88
Benzo(b)fluoranthene
Concen: 5.727 ng/ul
RT: 22.86 min Scan# 3378
Delta R.T. -0.01 min
Lab File: BM016933.D
Acq: 01 Oct 2018 22:15

Tgt Ion:252 Resp: 455472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 17.4 | 26.0 |
| 125 | 21.5 | 4.9 | 7.3# |






#89
Benzo(k)fluoranthene
Concen: 1.721 ng/ul m
RT: 22.90 min Scan# 3385
Delta R.T. -0.01 min
Lab File: BM016933.D
Acq: 01 Oct 2018 22:15

**Instrument :**
BNA_M
**ClientSampleId :**
C0B61

Tgt Ion:252 Resp: 131415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.0 | 17.1 | 25.7 |
| 125 | 31.7 | 5.4 | 8.0# |