Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM121018\
Data File : BM018042.D
Acq On : 11 Dec 2018 01:56
Operator : JU/SJ
Sample : J6077-16
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9Y32

Quant Time: Dec 11 07:14:17 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 11 06:43:59 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.55 | 152 | 228244 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.32 | 136 | 964642 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.21 | 164 | 569381 | 20.00 | ng/ul | 0.01 |
| 61) Phenanthrene-d10 | 16.97 | 188 | 1063141 | 20.00 | ng/ul | 0.02 |
| 77) Chrysene-d12 | 21.19 | 240 | 1010877 | 20.00 | ng/ul | 0.02 |
| 85) Perylene-d12 | 23.37 | 264 | 991477 | 20.00 | ng/ul | 0.03 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.16 | 96 | 16137 | 3.24 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.75 | 99 | 369469 | 17.72 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.90 | 67 | 233454 | 18.57 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.09 | 132 | 332660 | 20.40 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.27 | 113 | 297391 | 17.46 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.71 | 128 | 161893 | 21.85 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.42 | 143 | 185975 | 21.90 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.96 | 165 | 325330 | 20.13 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.47 | 131 | 253827 | 18.30 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.63 | 166 | 1069148 | 21.64 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.90 | 160 | 1328658 | 22.22 | ng/ul | 0.02 |
| 51) 4-Nitrophenol-d4 | 14.45 | 143 | 116081 | 12.92 | ng/ul | 0.02 |
| 57) Fluorene-d10 | 15.22 | 176 | 888432 | 20.83 | ng/ul | 0.01 |
| 62) 4,6-Dinitro-2-methylphenol | 15.36 | 200 | 75779 | 9.97 | ng/ul | 0.02 |
| 70) Anthracene-d10 | 17.07 | 188 | 1215121 | 22.96 | ng/ul | 0.02 |
| 78) Pyrene-d10 | 19.38 | 212 | 1211456 | 24.77 | ng/ul | 0.02 |
| 89) Benzo(a)pyrene-d12 | 23.24 | 264 | 1234858 | 22.96 | ng/ul | 0.03 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 6.77 | 94 | 67759 | 3.257 | ng/ul | 92 |
| 28) Naphthalene | 10.37 | 128 | 2023432 | 40.260 | ng/ul | 99 |
| 34) 2-Methylnaphthalene | 12.00 | 142 | 519038 | 13.834 | ng/ul | 99 |
| 44) Dimethylphthalate | 13.67 | 163 | 126982 | 2.653 | ng/ul# | 83 |
| 49) Acenaphthene | 14.27 | 153 | 101945 | 2.533 | ng/ul# | 88 |
| 53) Dibenzofuran | 14.62 | 168 | 229265 | 4.026 | ng/ul# | 61 |
| 58) Fluorene | 15.27 | 166 | 138580 | 2.918 | ng/ul# | 63 |
| 69) Phenanthrene | 17.02 | 178 | 400947 | 6.595 | ng/ul# | 77 |
| 76) Fluoranthene | 19.04 | 202 | 164533 | 2.301 | ng/ul# | 84 |
| 79) Pyrene | 19.41 | 202 | 324711 | 5.291 | ng/ul# | 91 |
| 84) Chrysene | 21.20 | 228 | 254368 | 4.338 | ng/ul# | 57 |

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

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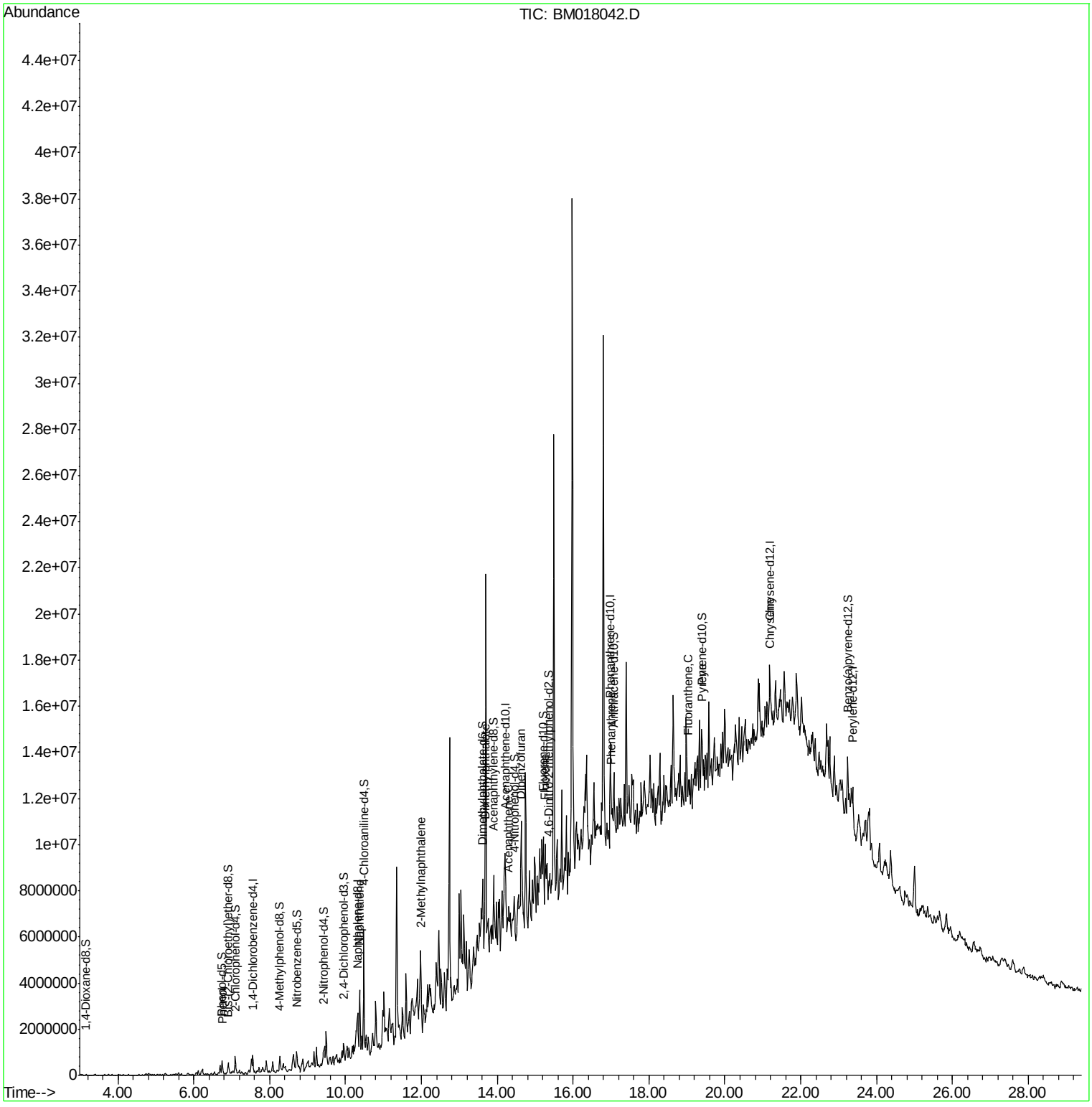
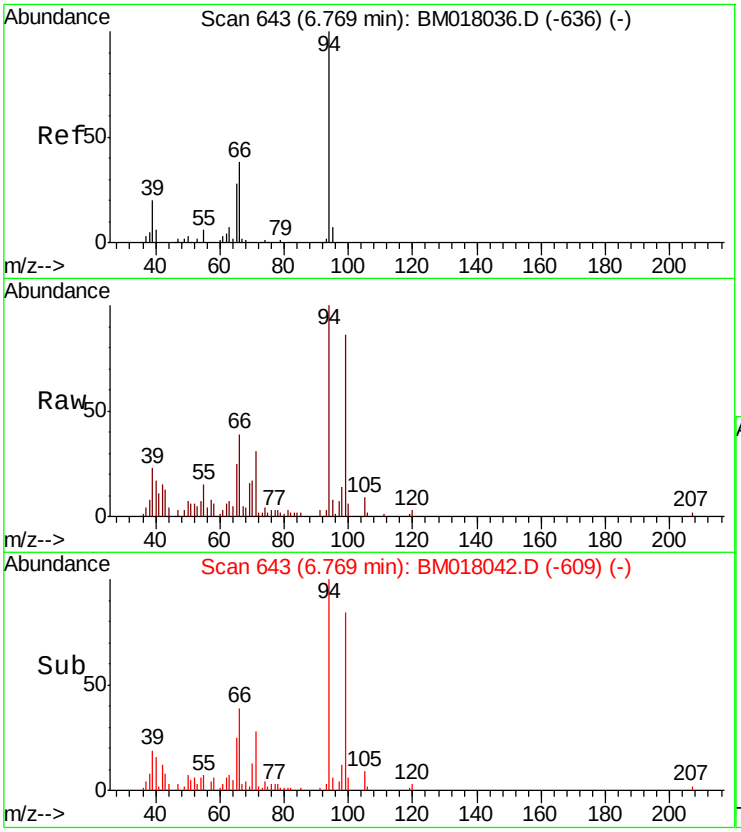
Sample : J6077-16
Misc :
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
F9Y32

Quant Time: Dec 11 07:14:17 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM111918MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Dec 11 06:43:59 2018
Response via : Initial Calibration



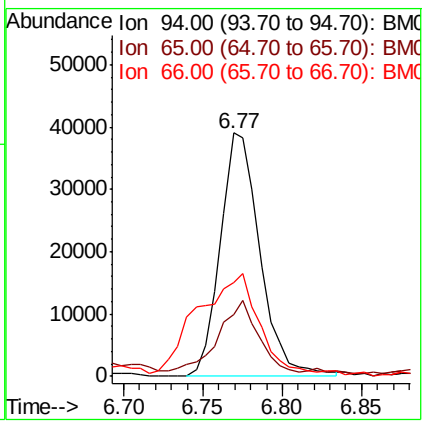


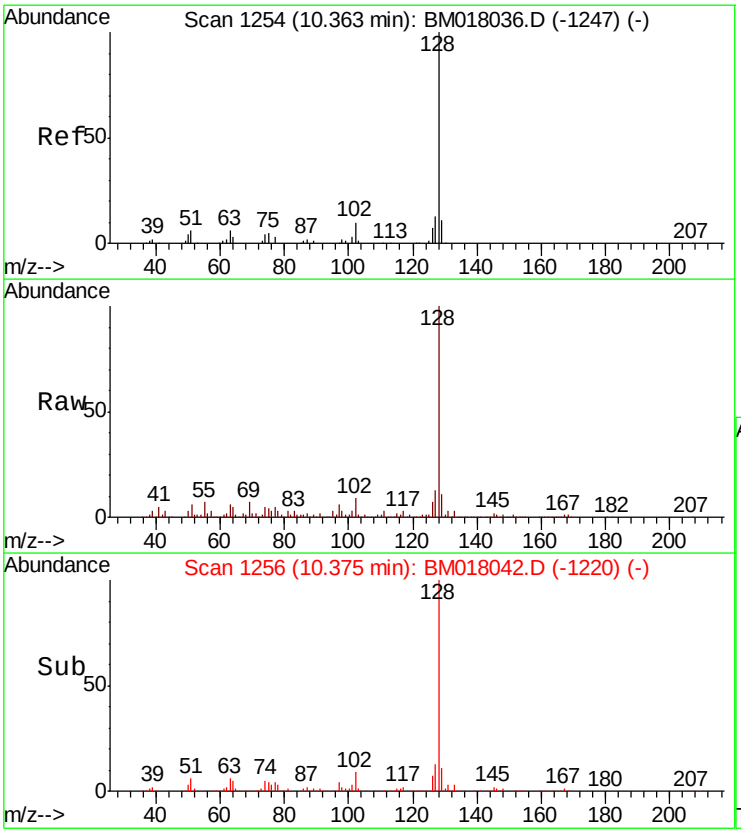

#6
Phenol
Concen: 3.257 ng/ul
RT: 6.77 min Scan# 643
Delta R.T. 0.00 min
Lab File: BM018042.D
Acq: 11 Dec 2018 01:56

**Instrument :**
BNA_M
**ClientSampleId :**
F9Y32

Tgt Ion: 94 Resp: 67759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 25.4 | 24.7 | 37.1 |
| 66 | 38.8 | 34.6 | 51.8 |

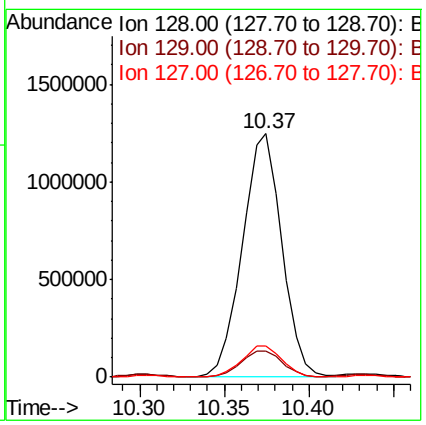


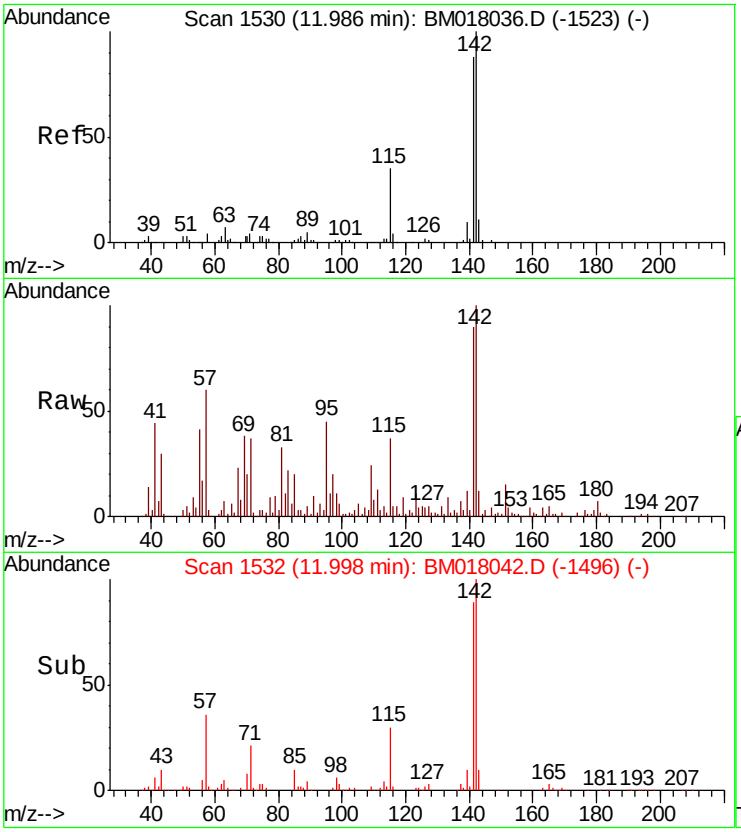




#28
Naphthalene
Concen: 40.260 ng/ul
RT: 10.37 min Scan# 1256
Delta R.T. 0.01 min
Lab File: BM018042.D
Acq: 11 Dec 2018 01:56

Tgt Ion:128 Resp: 2023432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.9 | 8.6 | 12.8 |
| 127 | 12.8 | 10.8 | 16.2 |



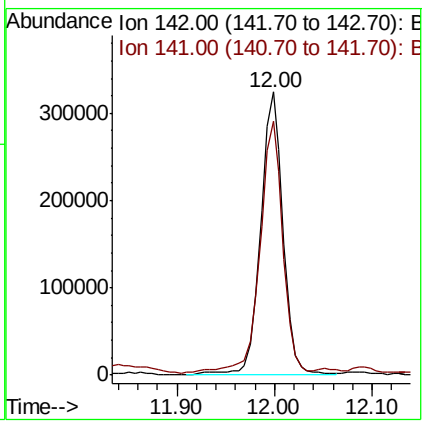


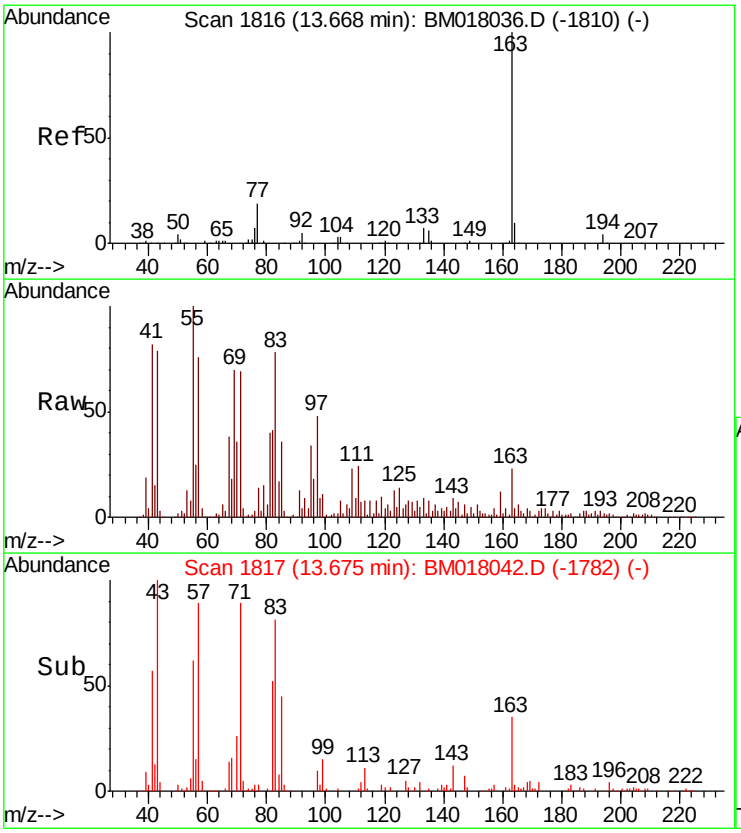

#34
2-Methylnaphthalene
Concen: 13.834 ng/ul
RT: 12.00 min Scan# 1532
Delta R.T. 0.01 min
Lab File: BM018042.D
Acq: 11 Dec 2018 01:56

**Instrument :**
BNA_M
**ClientSampleId :**
F9Y32

Tgt Ion:142 Resp: 519038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.7 | 72.6 | 108.8 |

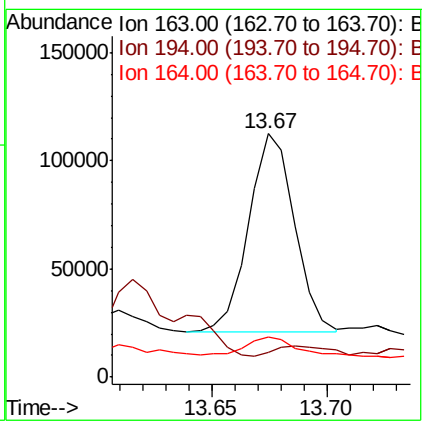


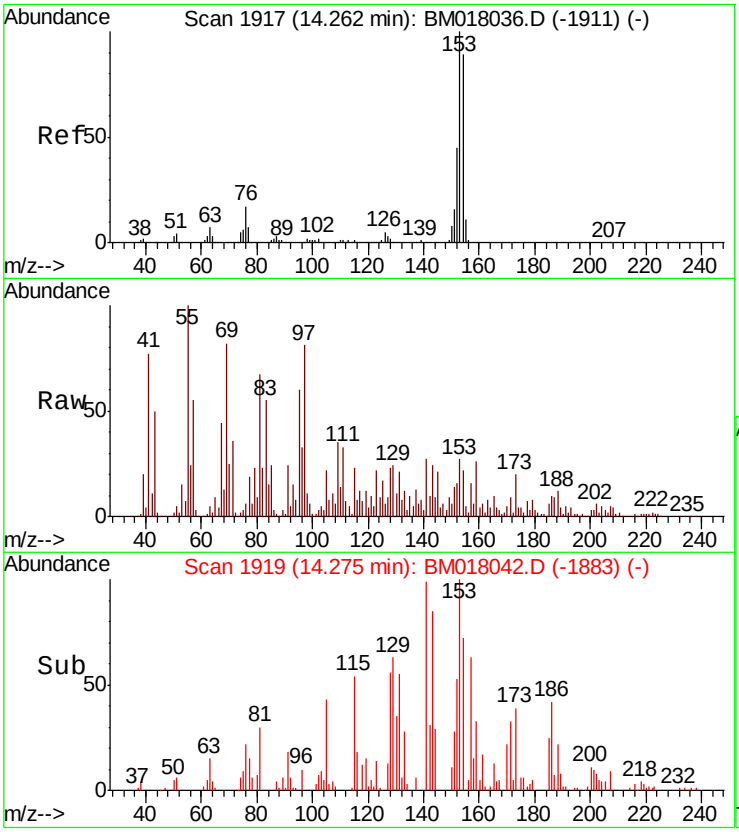




#44
Dimethylphthalate
Concen: 2.653 ng/ul
RT: 13.67 min Scan# 1817
Delta R.T. 0.01 min
Lab File: BM018042.D
Acq: 11 Dec 2018 01:56

Tgt Ion:163 Resp: 126982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 10.2 | 3.4 | 5.0# |
| 164 | 16.3 | 8.1 | 12.1# |



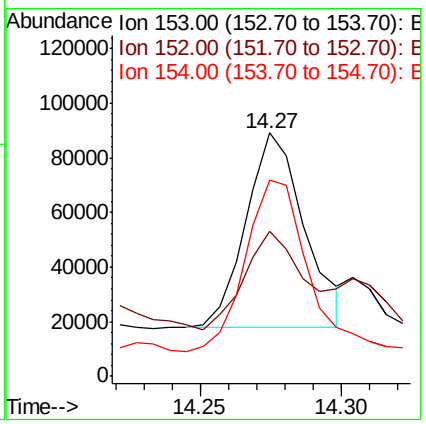


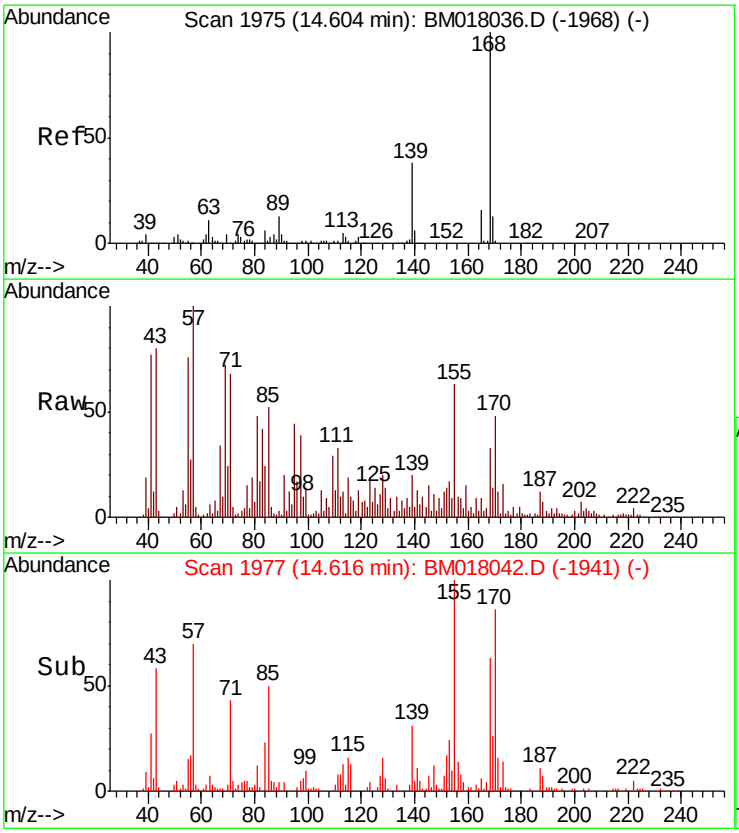

#49
Acenaphthene
Concen: 2.533 ng/ul
RT: 14.27 min Scan# 1919
Delta R.T. 0.01 min
Lab File: BM018042.D
Acq: 11 Dec 2018 01:56

**Instrument :**
BNA_M
**ClientSampleId :**
F9Y32

Tgt Ion:153 Resp: 101945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 59.6 | 37.0 | 55.6# |
| 154 | 80.7 | 70.6 | 106.0 |

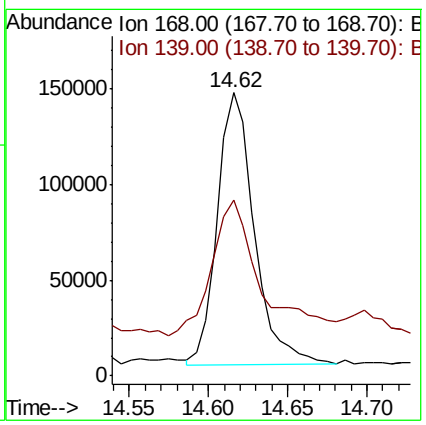


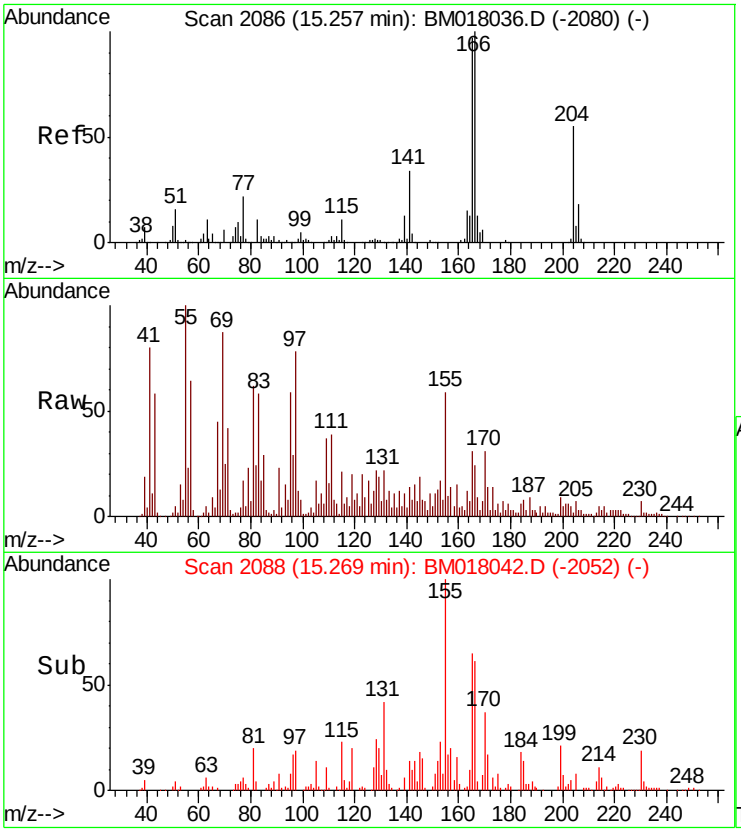




#53
Dibenzofuran
Concen: 4.026 ng/ul
RT: 14.62 min Scan# 1977
Delta R.T. 0.01 min
Lab File: BM018042.D
Acq: 11 Dec 2018 01:56

Tgt Ion:168 Resp: 229265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 62.2 | 30.6 | 46.0# |



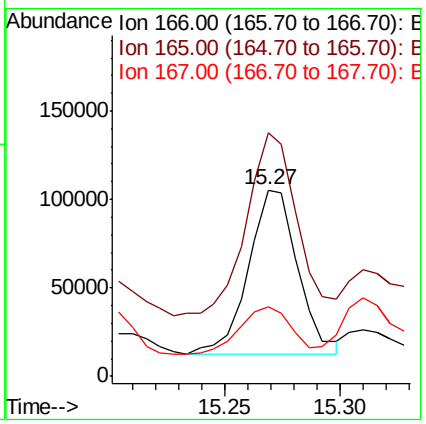


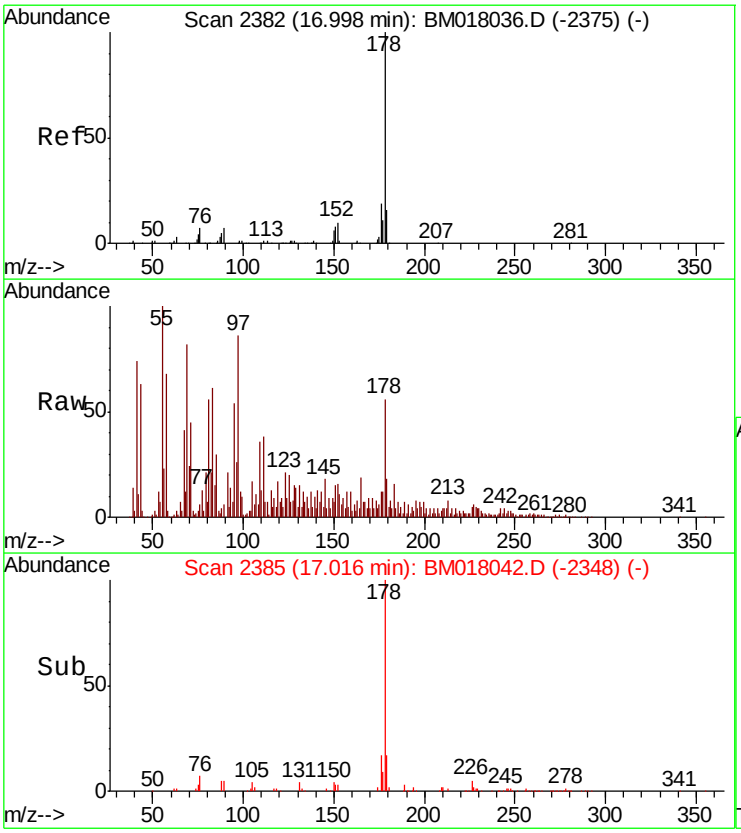

#58
Fluorene
Concen: 2.918 ng/ul
RT: 15.27 min Scan# 2088
Delta R.T. 0.01 min
Lab File: BM018042.D
Acq: 11 Dec 2018 01:56

**Instrument :**
BNA_M
**ClientSampleId :**
F9Y32

Tgt Ion:166 Resp: 138580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 130.8 | 78.0 | 117.0# |
| 167 | 37.2 | 10.8 | 16.2# |

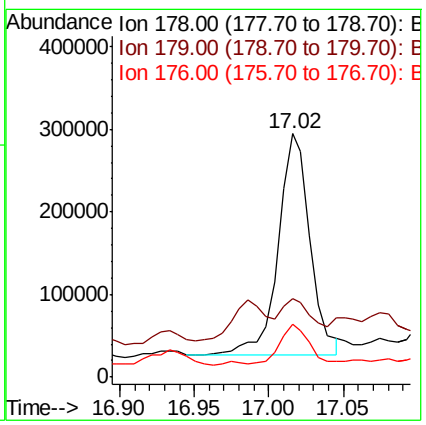


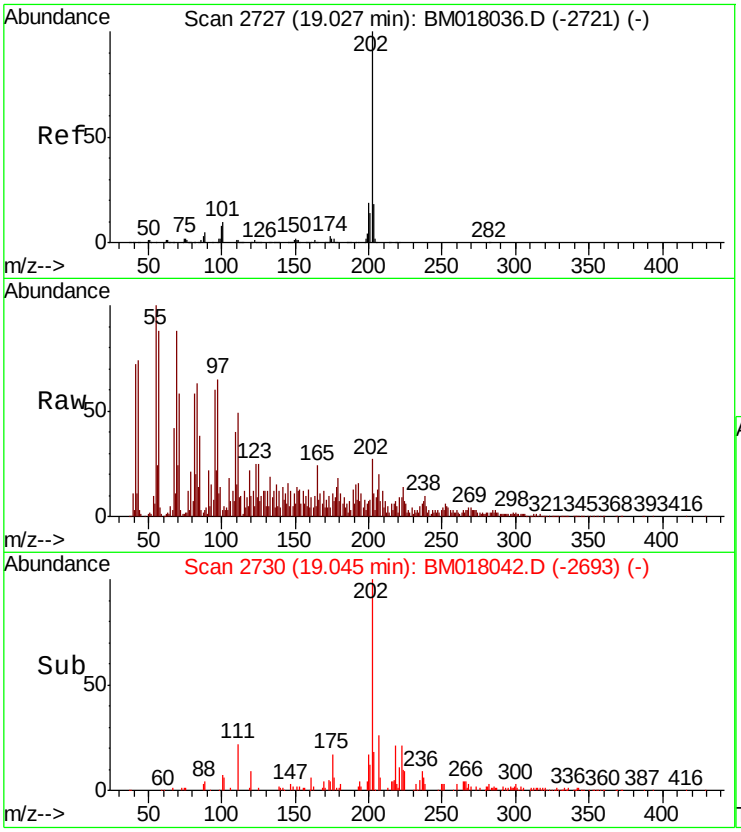




#69
Phenanthrene
Concen: 6.595 ng/ul
RT: 17.02 min Scan# 2385
Delta R.T. 0.02 min
Lab File: BM018042.D
Acq: 11 Dec 2018 01:56

Tgt Ion:178 Resp: 400947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 32.5 | 11.8 | 17.8# |
| 176 | 21.8 | 15.0 | 22.6 |



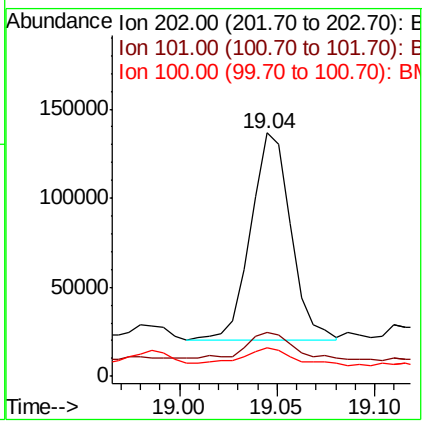


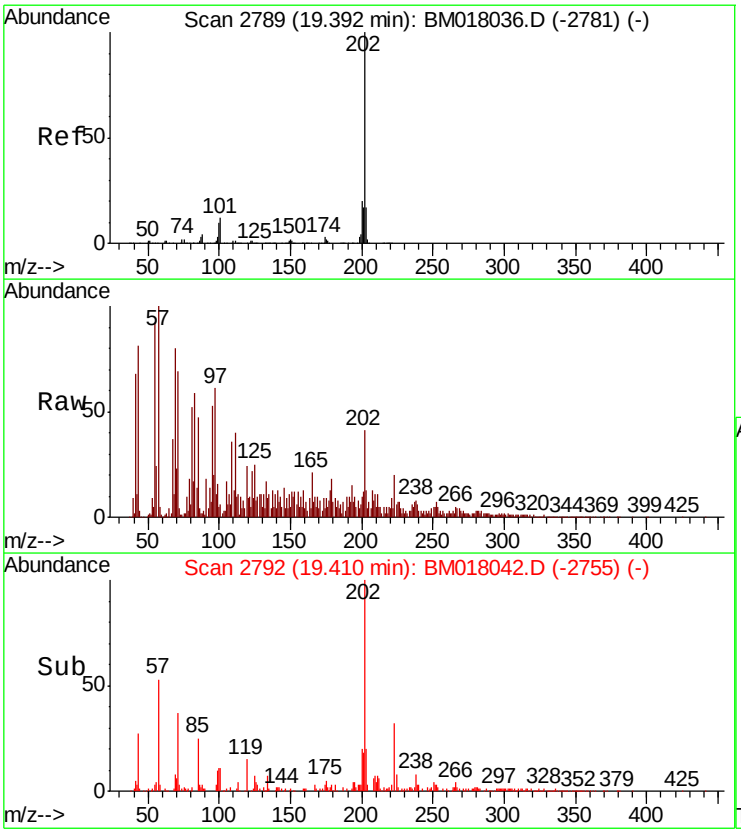

#76
Fluoranthene
Concen: 2.301 ng/ul
RT: 19.04 min Scan# 2730
Delta R.T. 0.02 min
Lab File: BM018042.D
Acq: 11 Dec 2018 01:56

**Instrument :**
BNA_M
**ClientSampleId :**
F9Y32

Tgt Ion:202 Resp: 164533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 18.2 | 8.4 | 12.6# |
| 100 | 11.7 | 6.6 | 9.8# |

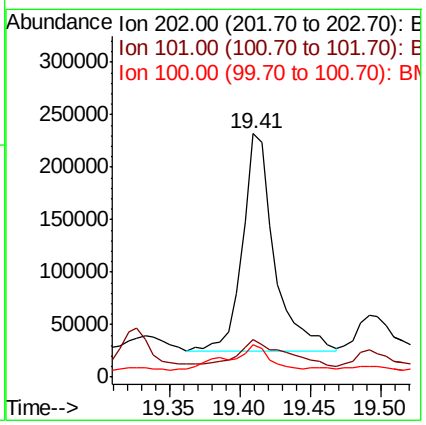


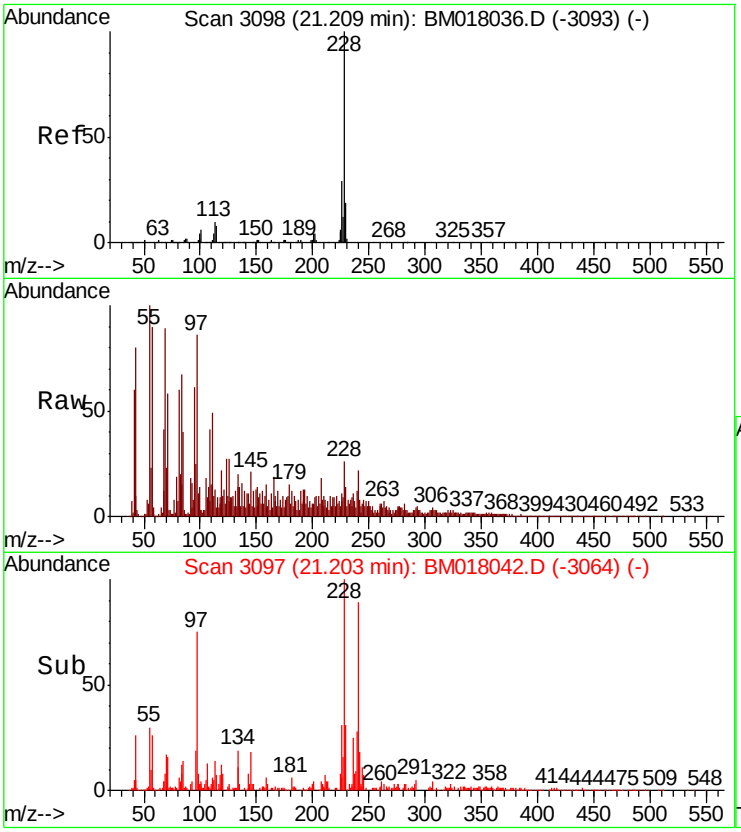




#79
Pyrene
Concen: 5.291 ng/ul
RT: 19.41 min Scan# 2792
Delta R.T. 0.02 min
Lab File: BM018042.D
Acq: 11 Dec 2018 01:56

Tgt Ion:202 Resp: 324711

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.7 | 9.6 | 14.4# |
| 100 | 13.1 | 7.9 | 11.9# |






#84
Chrysene
Concen: 4.338 ng/ul
RT: 21.20 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BM018042.D
Acq: 11 Dec 2018 01:56

**Instrument :**
BNA_M
**ClientSampleId :**
F9Y32

Tgt Ion:228 Resp: 254368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 41.3 | 23.7 | 35.5# |
| 229 | 53.6 | 15.8 | 23.8# |