Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072519\
Data File : BM021661.D
Acq On : 26 Jul 2019 06:45
Operator : HP/JU
Sample : K3893-09
Misc :
ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: Jul 26 08:04:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 24 01:21:49 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.70 | 152 | 136338 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.47 | 136 | 649899 | 20.00 | ng/ul | -0.01 |
| 35) Acenaphthene-d10 | 14.34 | 164 | 465871 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.09 | 188 | 1108845 | 20.00 | ng/ul | 0.00 |
| 77) Chrysene-d12 | 21.29 | 240 | 1287165 | 20.00 | ng/ul | 0.00 |
| 85) Perylene-d12 | 23.53 | 264 | 1288125 | 20.00 | ng/ul | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.25 | 96 | 11199 | 4.48 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.87 | 99 | 262503 | 22.70 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.05 | 67 | 161363 | 24.06 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.23 | 132 | 222167 | 24.50 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.40 | 113 | 215952 | 21.86 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.86 | 128 | 127039 | 26.41 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.57 | 143 | 142242 | 27.56 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.10 | 165 | 286649 | 24.90 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.63 | 131 | 290386 | 26.01 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.76 | 166 | 1005913 | 25.20 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.03 | 160 | 1139166 | 23.46 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.57 | 143 | 101942 | 14.89 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.34 | 176 | 915400 | 25.42 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.48 | 200 | 88572 | 12.76 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.19 | 188 | 1520009 | 27.86 | ng/ul | 0.00 |
| 78) Pyrene-d10 | 19.49 | 212 | 1873256 | 29.82 | ng/ul | 0.00 |
| 89) Benzo(a)pyrene-d12 | 23.39 | 264 | 1867181 | 27.15 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 44) Dimethylphthalate | 13.80 | 163 | 138047 | 3.602 | ng/ul | 99 |
| 69) Phenanthrene | 17.13 | 178 | 165685 | 2.739 | ng/ul | 99 |
| 71) Anthracene | 17.13 | 178 | 166323 | 2.718 | ng/ul | 99 |
| 76) Fluoranthene | 19.16 | 202 | 576413 | 7.686 | ng/ul | 99 |
| 79) Pyrene | 19.52 | 202 | 503744 | 6.570 | ng/ul | 100 |
| 82) Benzo(a)anthracene | 21.27 | 228 | 266186 | 3.155 | ng/ul | 98 |
| 84) Chrysene | 21.32 | 228 | 341329 | 4.242 | ng/ul | 97 |
| 87) Benzo(b)fluoranthene | 22.86 | 252 | 477667 | 6.134 | ng/ul# | 98 |
| 88) Benzo(k)fluoranthene | 22.86 | 252 | 477667 | 6.252 | ng/ul | 99 |
| 90) Benzo(a)pyrene | 23.43 | 252 | 259551 | 3.471 | ng/ul | 98 |
| 91) Indeno(1,2,3-cd)pyrene | 25.78 | 276 | 183796 | 2.024 | ng/ul | 96 |
| 93) Benzo(g,h,i)perylene | 26.47 | 276 | 142958 | 1.944 | ng/ul | 100 |

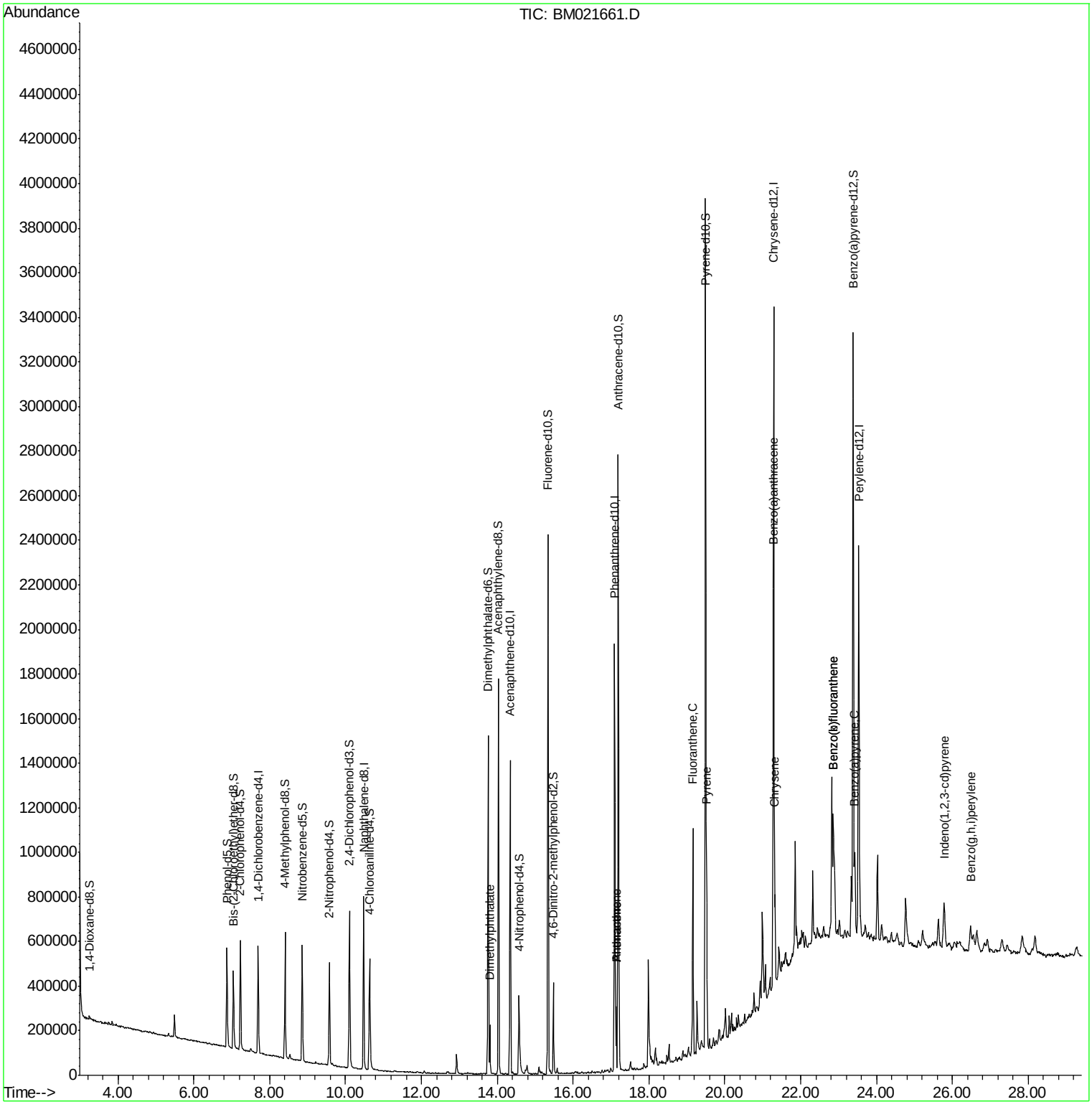
(#) = qualifier out of range (m) = manual integration (+) = signals summed

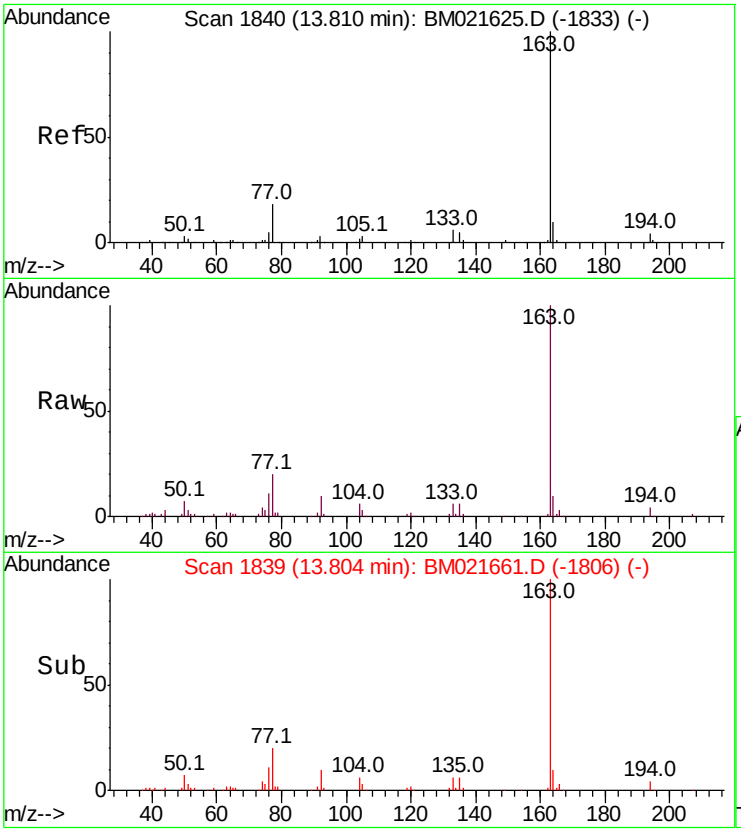
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM072519\
Data File : BM021661.D
Acq On : 26 Jul 2019 06:45
Operator : HP/JU
Sample : K3893-09
Misc :
ALS Vial : 31 Sample Multiplier: 1

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

Quant Time: Jul 26 08:04:16 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM072319MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 24 01:21:49 2019
Response via : Initial Calibration



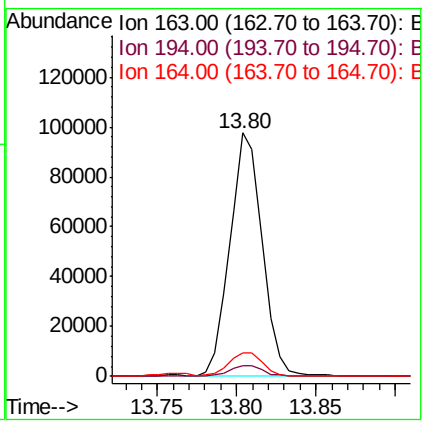


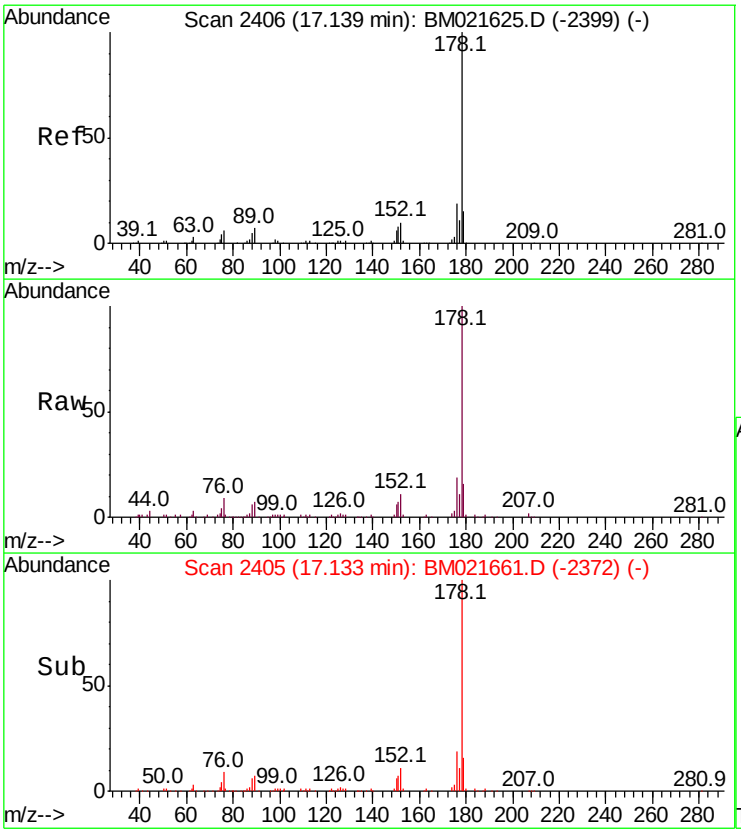

#44
Dimethylphthalate
Concen: 3.602 ng/ul
RT: 13.80 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BM021661.D
Acq: 26 Jul 2019 06:45

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

Tgt Ion:163 Resp: 138047

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 3.2 | 4.8 |
| 164 | 9.6 | 8.2 | 12.4 |

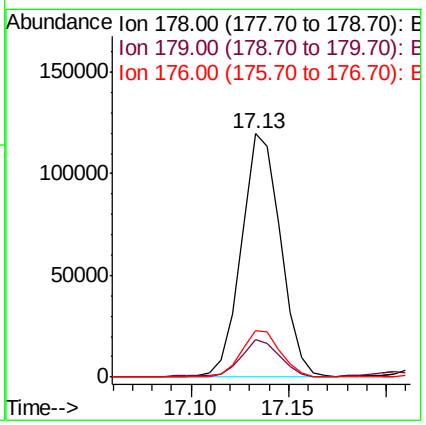


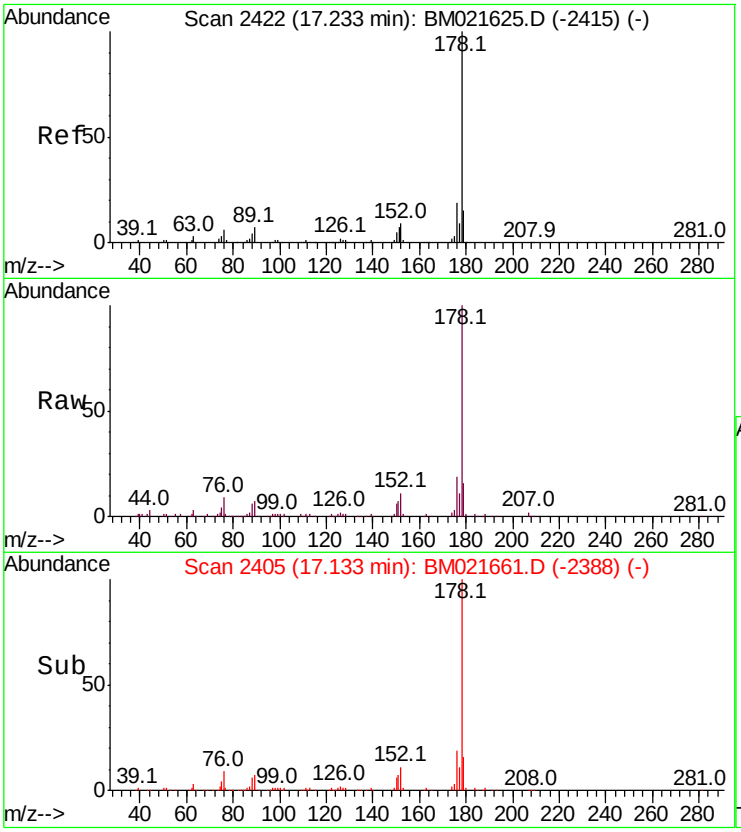




#69
Phenanthrene
Concen: 2.739 ng/ul
RT: 17.13 min Scan# 2405
Delta R.T. -0.01 min
Lab File: BM021661.D
Acq: 26 Jul 2019 06:45

Tgt Ion:178 Resp: 165685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.7 | 12.2 | 18.2 |
| 176 | 19.1 | 15.0 | 22.4 |



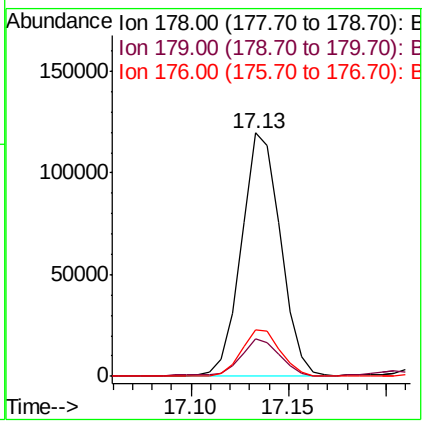


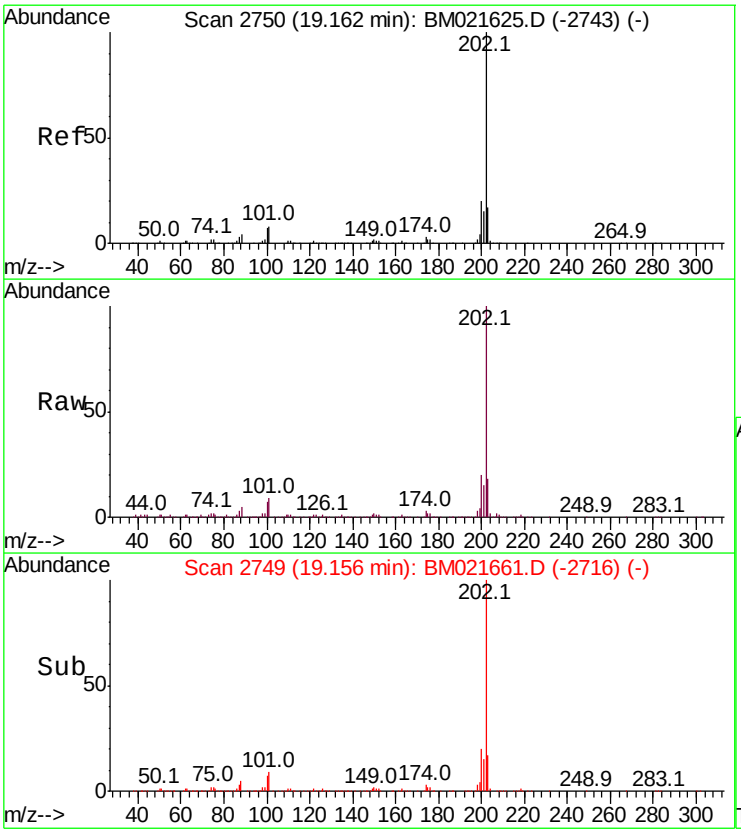

#71
Anthracene
Concen: 2.718 ng/ul
RT: 17.13 min Scan# 2405
Delta R.T. -0.10 min
Lab File: BM021661.D
Acq: 26 Jul 2019 06:45

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

Tgt Ion:178 Resp: 166323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.7 | 12.4 | 18.6 |
| 176 | 19.1 | 14.6 | 21.8 |

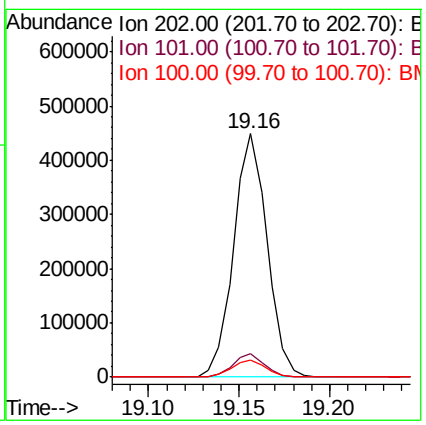


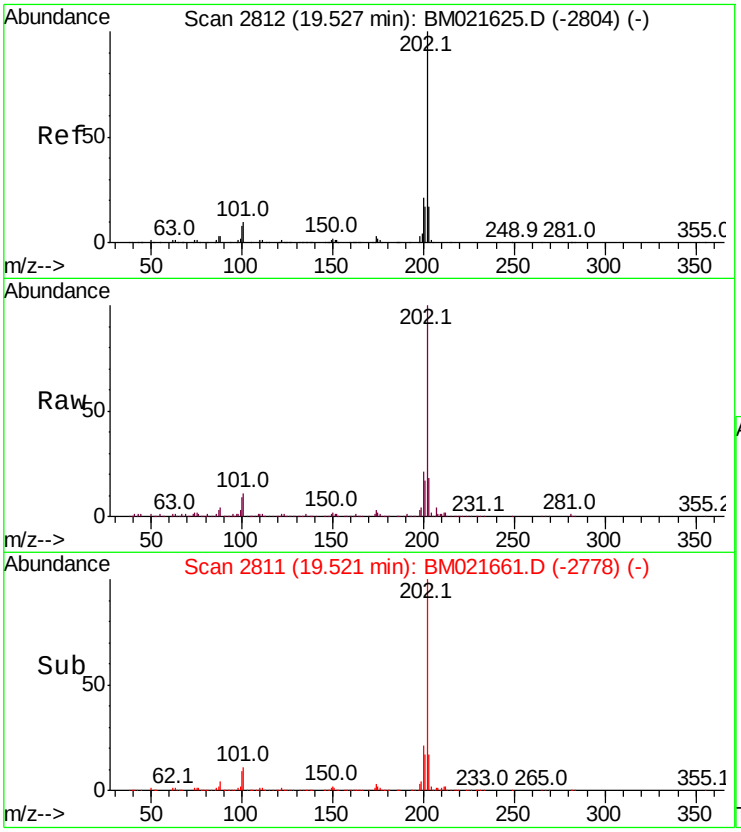




#76
Fluoranthene
Concen: 7.686 ng/ul
RT: 19.16 min Scan# 2749
Delta R.T. -0.01 min
Lab File: BM021661.D
Acq: 26 Jul 2019 06:45

Tgt Ion:202 Resp: 576413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.4 | 7.2 | 10.8 |
| 100 | 7.0 | 5.6 | 8.4 |



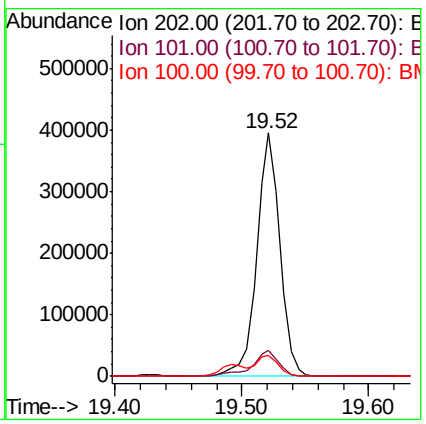


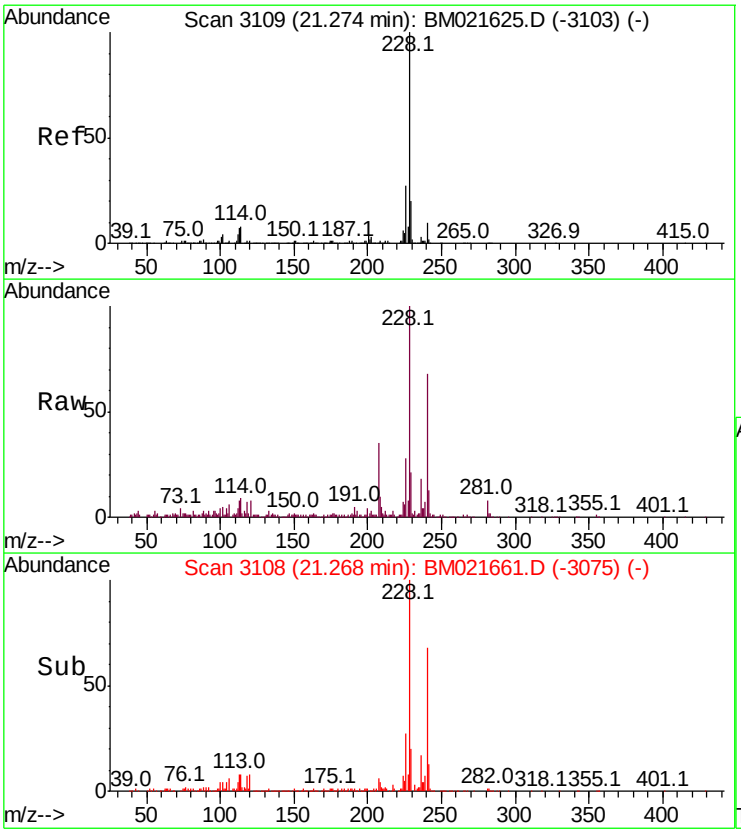

#79
Pyrene
Concen: 6.570 ng/ul
RT: 19.52 min Scan# 2811
Delta R.T. -0.01 min
Lab File: BM021661.D
Acq: 26 Jul 2019 06:45

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

Tgt Ion:202 Resp: 503744

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.6 | 8.6 | 13.0 |
| 100 | 8.8 | 7.1 | 10.7 |

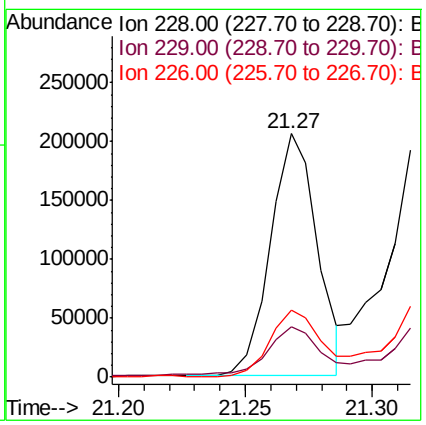


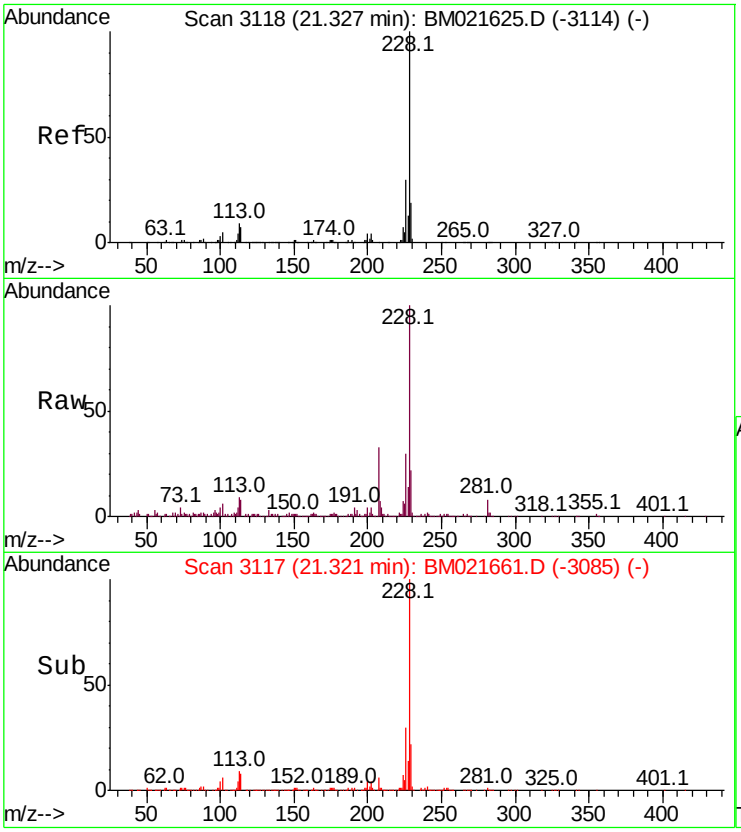




#82
Benzo(a)anthracene
Concen: 3.155 ng/ul
RT: 21.27 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BM021661.D
Acq: 26 Jul 2019 06:45

Tgt Ion:228 Resp: 266186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.9 | 15.8 | 23.6 |
| 226 | 27.6 | 21.7 | 32.5 |



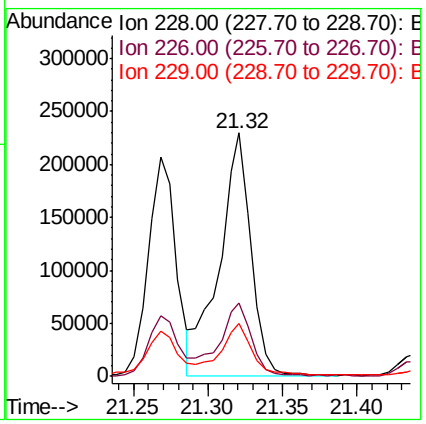


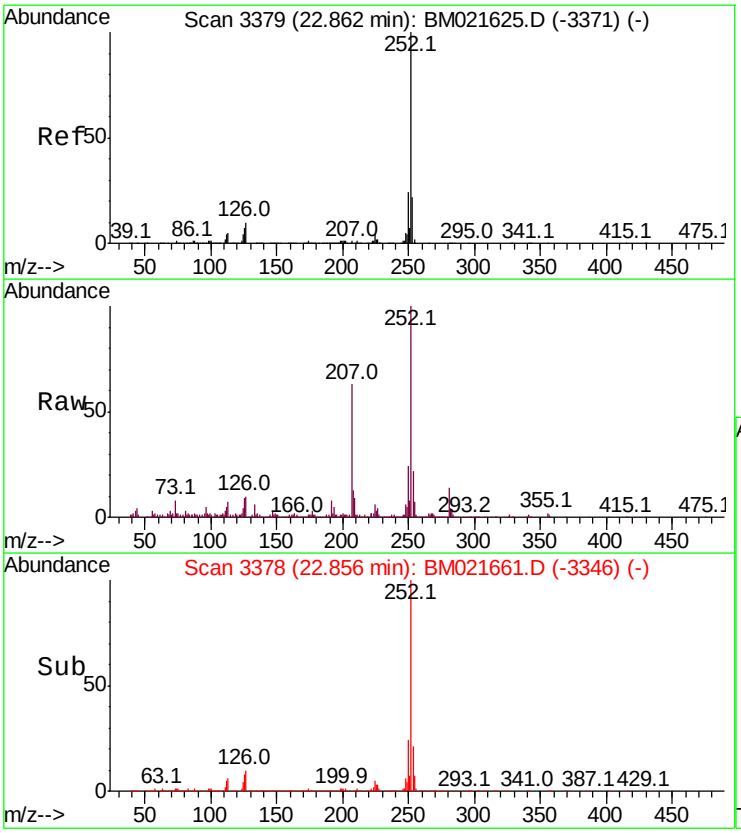

#84
Chrysene
Concen: 4.242 ng/ul
RT: 21.32 min Scan# 3117
Delta R.T. -0.01 min
Lab File: BM021661.D
Acq: 26 Jul 2019 06:45

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

Tgt Ion:228 Resp: 341329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.9 | 24.2 | 36.2 |
| 229 | 21.9 | 15.4 | 23.2 |

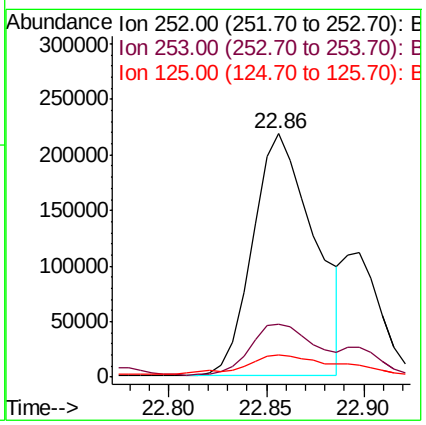


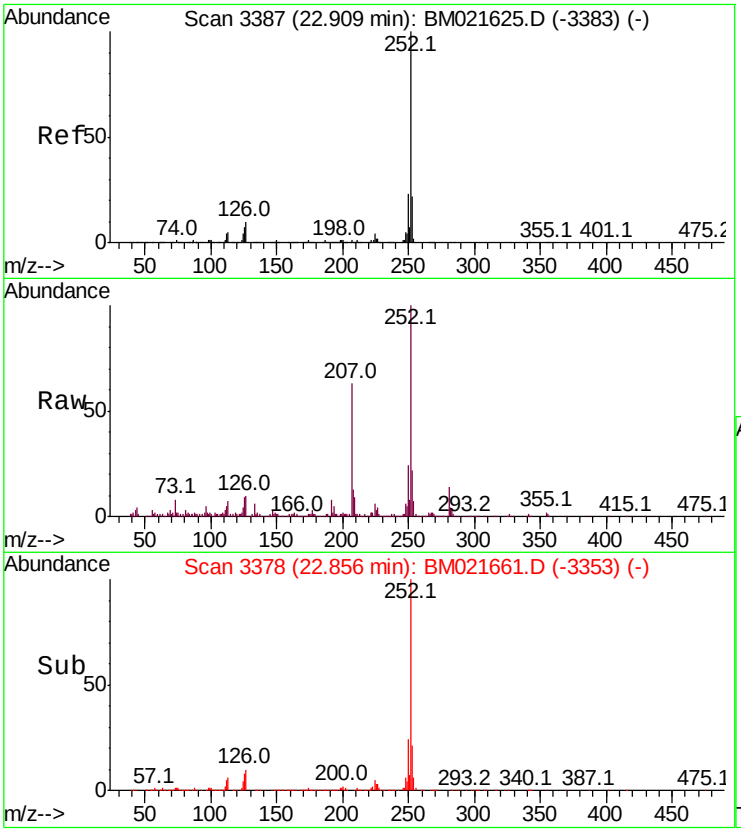




#87
Benzo(b)fluoranthene
Concen: 6.134 ng/ul
RT: 22.86 min Scan# 3378
Delta R.T. -0.01 min
Lab File: BM021661.D
Acq: 26 Jul 2019 06:45

Tgt Ion:252 Resp: 477667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.6 | 26.4 |
| 125 | 8.9 | 5.8 | 8.6# |



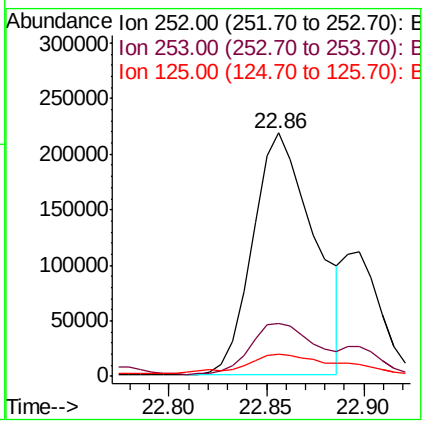


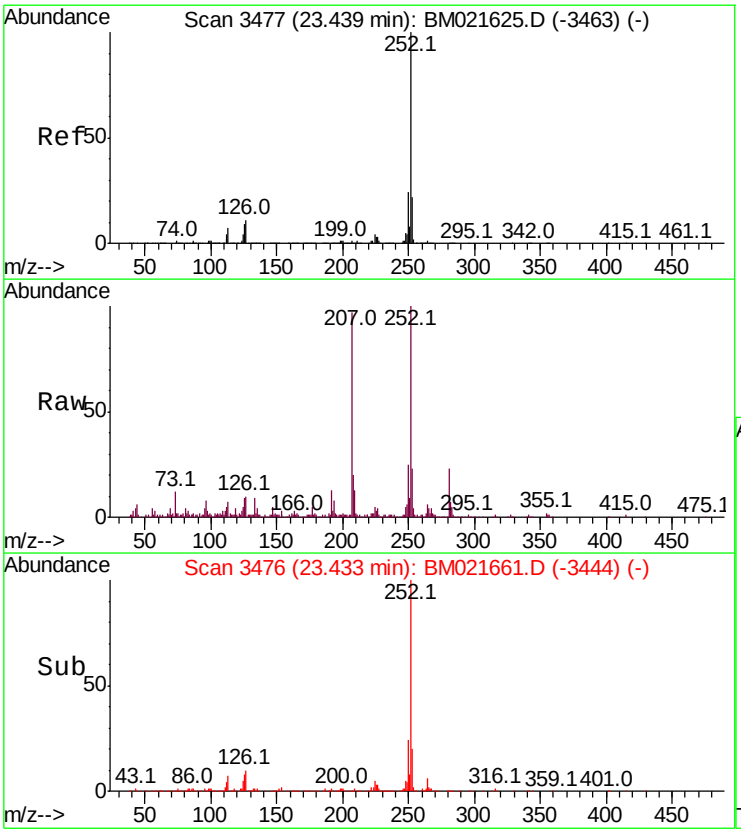

#88
Benzo(k)fluoranthene
Concen: 6.252 ng/ul
RT: 22.86 min Scan# 3378
Delta R.T. -0.05 min
Lab File: BM021661.D
Acq: 26 Jul 2019 06:45

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

Tgt Ion:252 Resp: 477667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.8 | 17.7 | 26.5 |
| 125 | 8.9 | 6.4 | 9.6 |

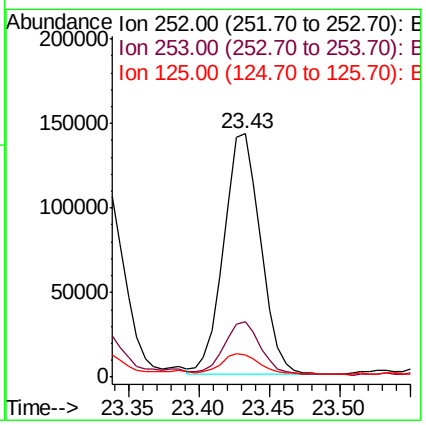


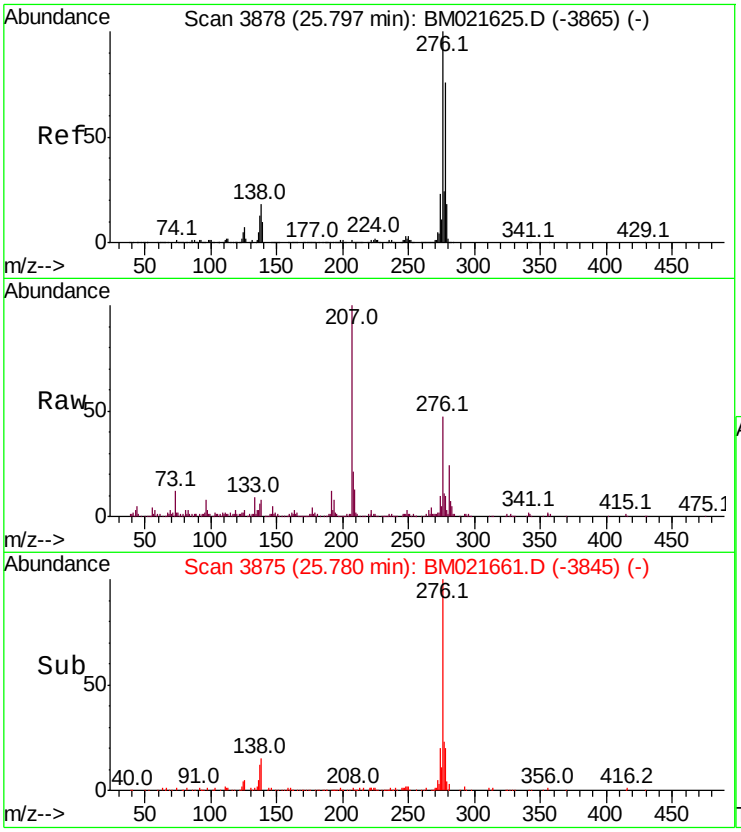




#90
Benzo(a)pyrene
Concen: 3.471 ng/ul
RT: 23.43 min Scan# 3476
Delta R.T. -0.01 min
Lab File: BM021661.D
Acq: 26 Jul 2019 06:45

Tgt Ion:252 Resp: 259551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.0 | 17.8 | 26.6 |
| 125 | 9.3 | 7.0 | 10.4 |



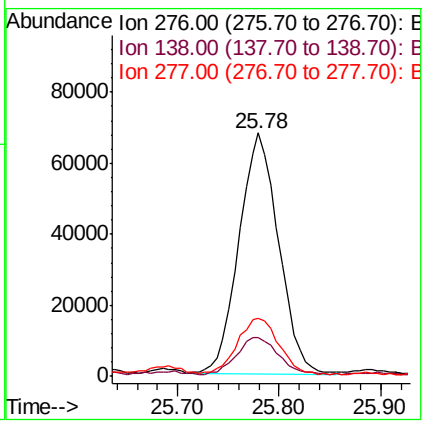


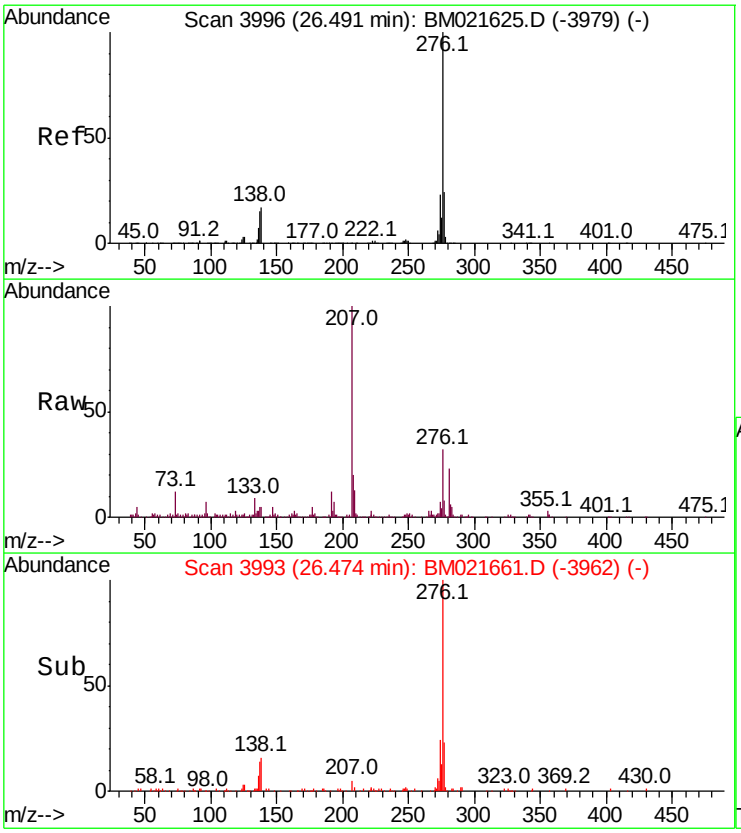

#91
Indeno(1,2,3-cd)pyrene
Concen: 2.024 ng/ul
RT: 25.78 min Scan# 3875
Delta R.T. -0.02 min
Lab File: BM021661.D
Acq: 26 Jul 2019 06:45

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

Tgt Ion:276 Resp: 183796

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.0 | 15.2 | 22.8 |
| 277 | 24.1 | 20.2 | 30.2 |




#93
Benzo(g,h,i)perylene
Concen: 1.944 ng/ul
RT: 26.47 min Scan# 3993
Delta R.T. -0.02 min
Lab File: BM021661.D
Acq: 26 Jul 2019 06:45

Tgt Ion:276 Resp: 142958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.3 | 13.7 | 20.5 |
| 277 | 23.7 | 19.0 | 28.6 |