Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM071616\
Data File : BM006482.D
Acq On : 16 Jul 2016 16:59
Operator : UM/SJ
Sample : H3959-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BDJ33

Quant Time: Jul 18 06:51:03 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 15 23:20:22 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.62 | 152 | 129801 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.39 | 136 | 608685 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.27 | 164 | 362993 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.02 | 188 | 845148 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.22 | 240 | 1014974 | 20.00 | ng/ul | -0.01 |
| 83) Perylene-d12 | 23.41 | 264 | 1065479 | 20.00 | ng/ul | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.13 | 96 | 7389 | 2.40 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.79 | 99 | 334914 | 31.48 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.96 | 67 | 221997 | 34.41 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.15 | 132 | 274939 | 31.90 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.33 | 113 | 275064 | 32.54 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.77 | 128 | 136284 | 29.54 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.49 | 143 | 146053 | 28.00 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.02 | 165 | 259786 | 26.40 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.54 | 131 | 345084 | 33.55 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.68 | 166 | 856442 | 28.83 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.96 | 160 | 1055235 | 28.73 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.49 | 143 | 112870 | 21.87 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.26 | 176 | 743214 | 28.14 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.40 | 200 | 88453 | 18.09 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.12 | 188 | 1155590 | 28.93 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.42 | 212 | 1366252 | 29.69 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.27 | 264 | 1478557 | 30.35 | ng/ul | -0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 44) Dimethylphthalate | 13.73 | 163 | 458075 | 15.20 | ng/ul | 99 |
| 74) Fluoranthene | 19.08 | 202 | 114641 | 2.12 | ng/ul | 97 |
| 77) Pyrene | 19.44 | 202 | 106529 | 1.76 | ng/ul | 98 |
| 80) Benzo(a)anthracene | 21.20 | 228 | 78906 | 1.27 | ng/ul | 96 |
| 82) Chrysene | 21.25 | 228 | 74785 | 1.28 | ng/ul | 96 |
| 85) Benzo(b)fluoranthene | 22.76 | 252 | 93356 | 1.47 | ng/ul# | 96 |
| 88) Benzo(a)pyrene | 23.32 | 252 | 76658 | 1.26 | ng/ul# | 96 |

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

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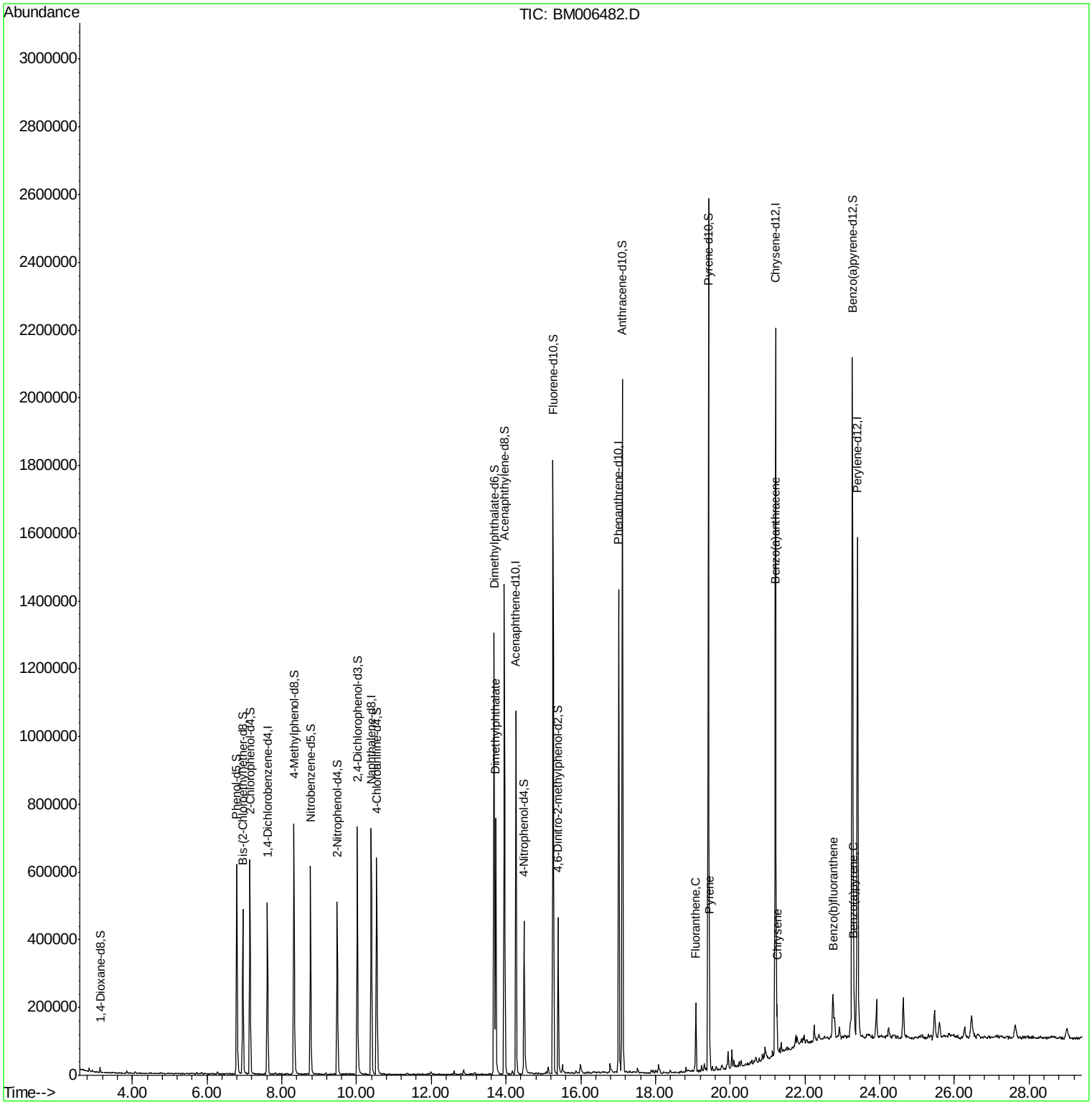
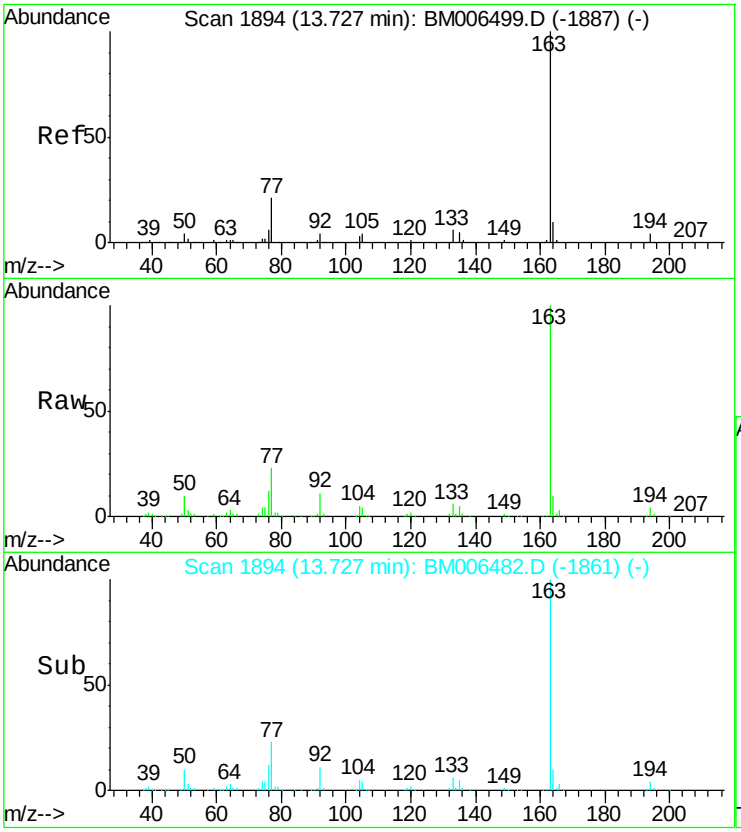
Acq On : 16 Jul 2016 16:59
Operator : UM/SJ
Sample : H3959-16
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BDJ33

Quant Time: Jul 18 06:51:03 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM071416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Jul 15 23:20:22 2016
Response via : Initial Calibration



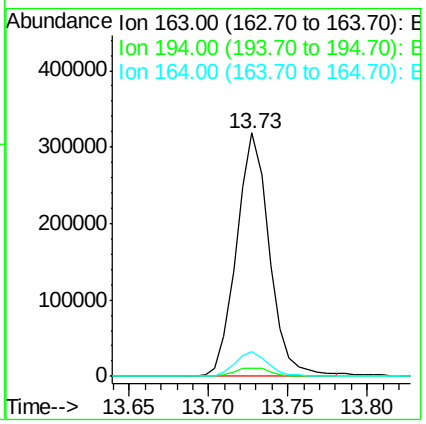


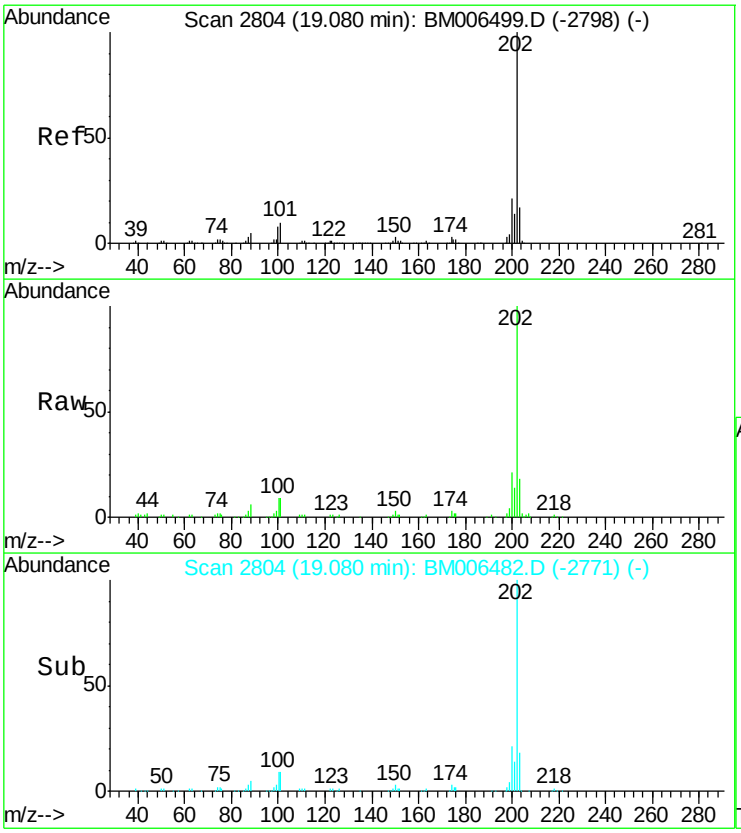

#44
Dimethylphthalate
Concen: 15.20 ng/ul
RT: 13.73 min Scan# 1894
Delta R.T. -0.01 min
Lab File: BM006482.D
Acq: 16 Jul 2016 16:59

**Instrument :**
BNA_M
**ClientSampleId :**
BDJ33

Tgt Ion:163 Resp: 458075

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.6 | 3.4 | 5.0 |
| 164 | 9.9 | 7.8 | 11.8 |

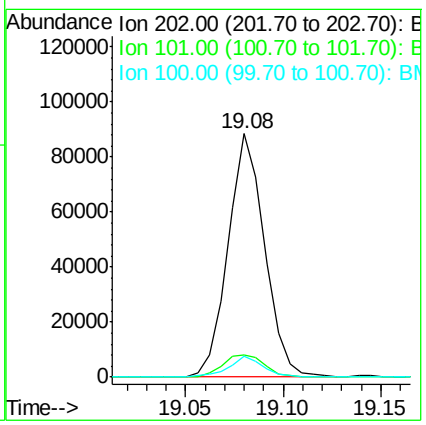


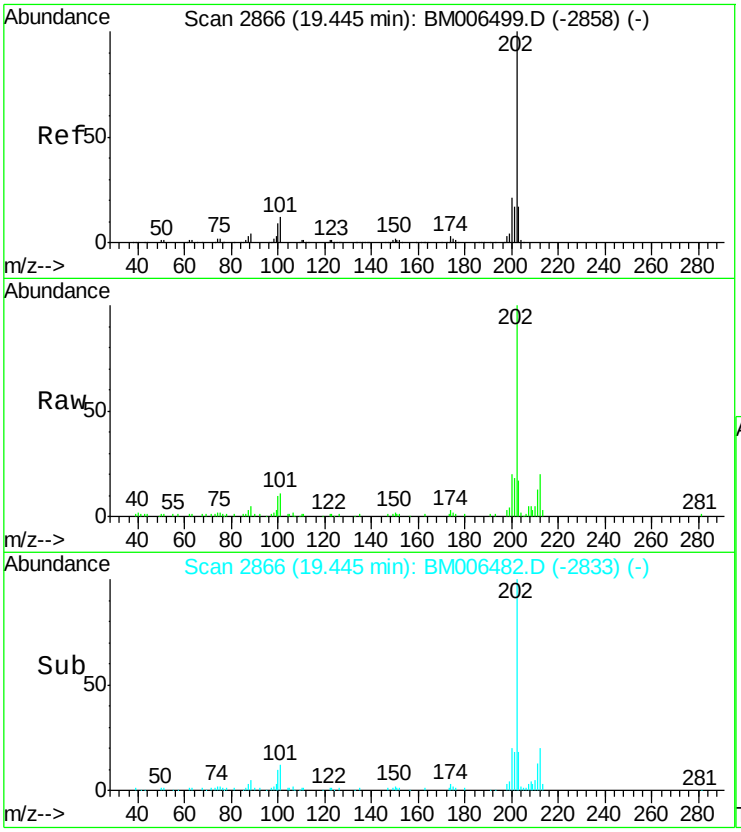




#74
Fluoranthene
Concen: 2.12 ng/ul
RT: 19.08 min Scan# 2804
Delta R.T. -0.01 min
Lab File: BM006482.D
Acq: 16 Jul 2016 16:59

Tgt Ion:202 Resp: 114641

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.0 | 8.6 | 12.8 |
| 100 | 8.5 | 6.4 | 9.6 |



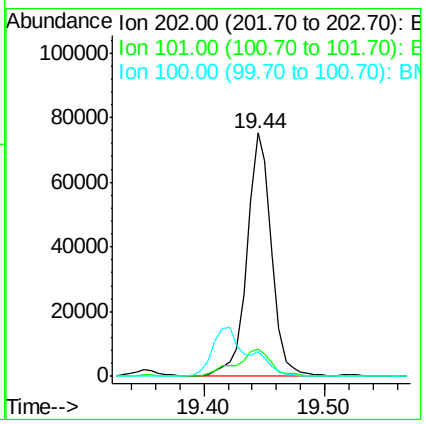


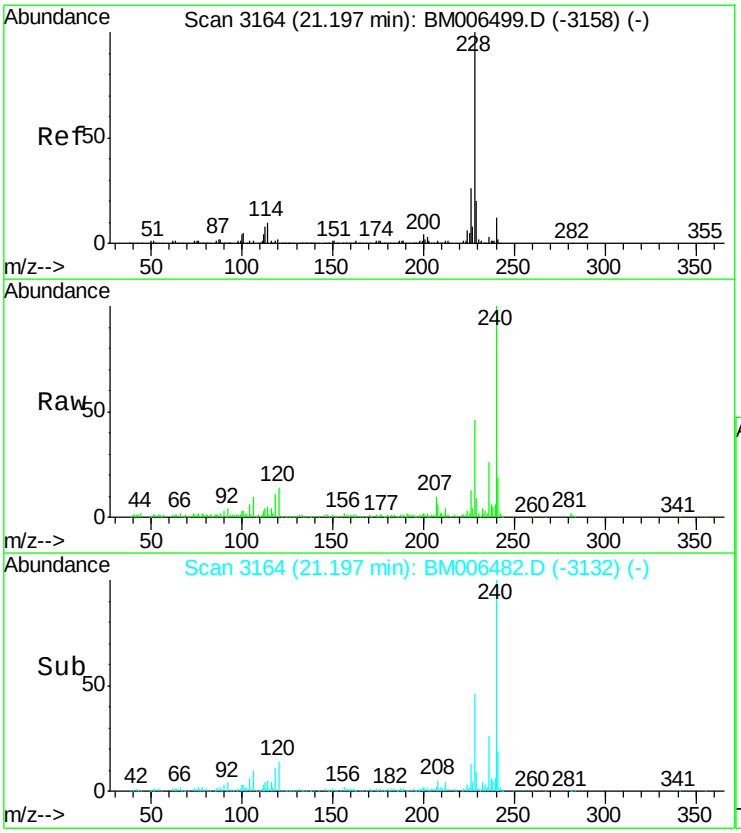

#77
Pyrene
Concen: 1.76 ng/ul
RT: 19.44 min Scan# 2866
Delta R.T. -0.01 min
Lab File: BM006482.D
Acq: 16 Jul 2016 16:59

**Instrument :**
BNA_M
**ClientSampleId :**
BDJ33

Tgt Ion:202 Resp: 106529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.4 | 10.0 | 15.0 |
| 100 | 9.9 | 7.9 | 11.9 |

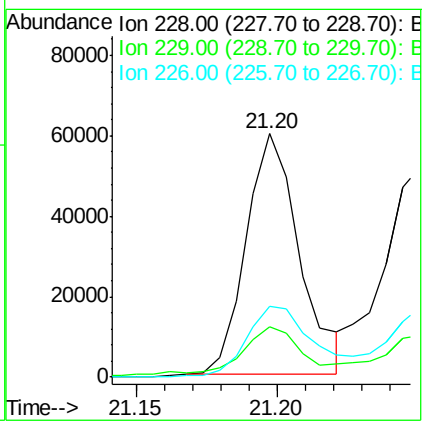


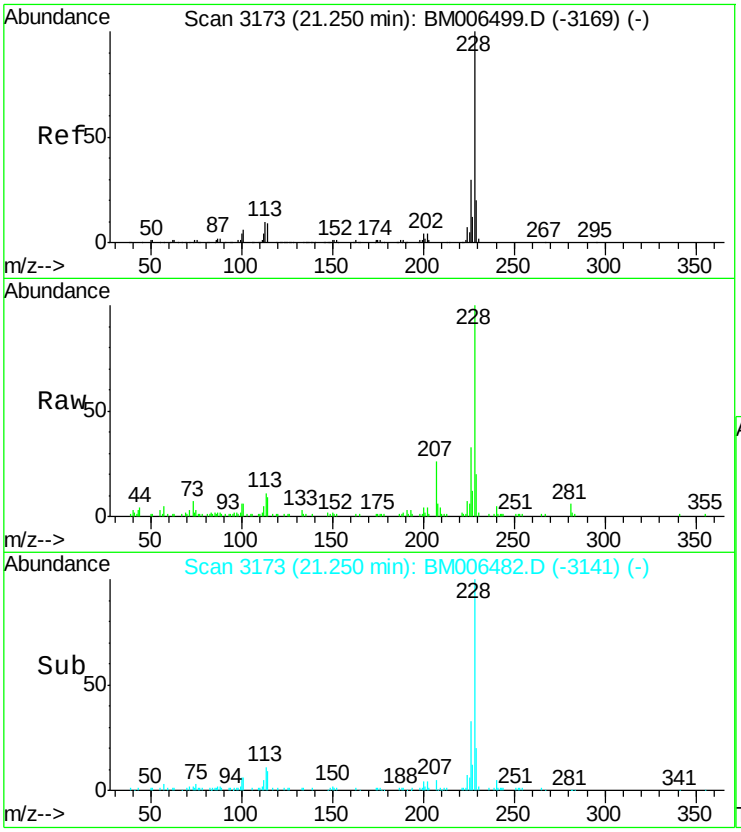




#80
Benzo(a)anthracene
Concen: 1.27 ng/ul
RT: 21.20 min Scan# 3164
Delta R.T. -0.01 min
Lab File: BM006482.D
Acq: 16 Jul 2016 16:59

Tgt Ion:228 Resp: 78906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.6 | 15.6 | 23.4 |
| 226 | 29.3 | 21.4 | 32.2 |



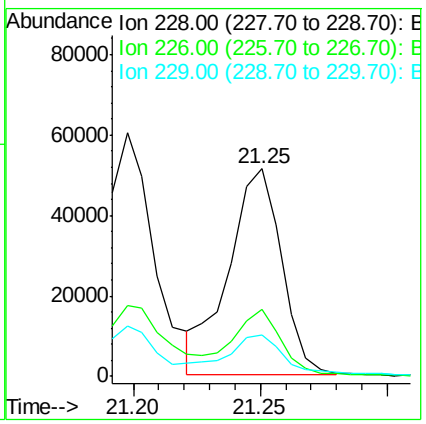


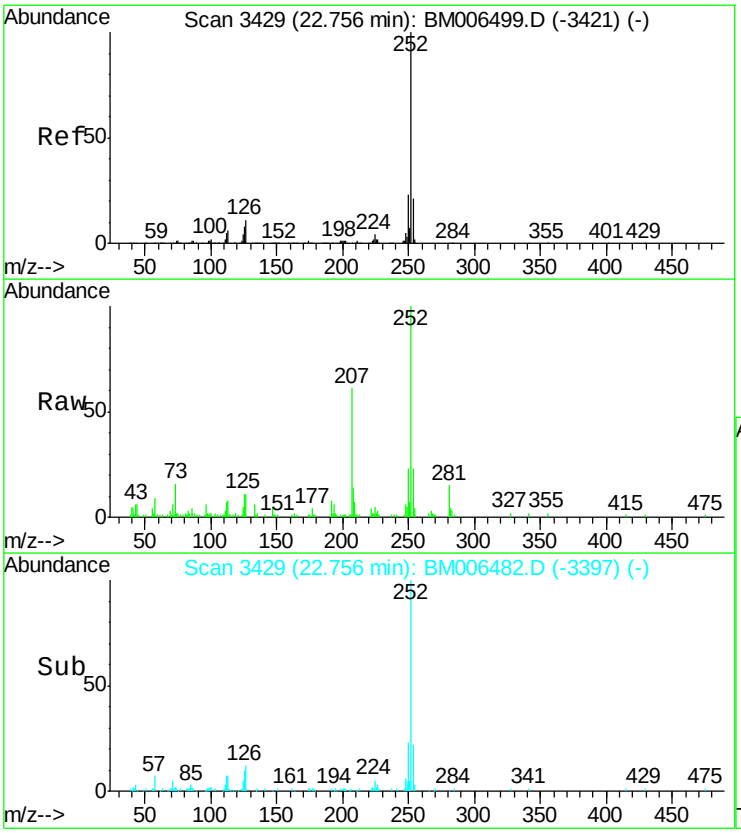

#82
Chrysene
Concen: 1.28 ng/ul
RT: 21.25 min Scan# 3173
Delta R.T. -0.01 min
Lab File: BM006482.D
Acq: 16 Jul 2016 16:59

**Instrument :**
BNA_M
**ClientSampleId :**
BDJ33

Tgt Ion:228 Resp: 74785

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.5 | 23.3 | 34.9 |
| 229 | 20.1 | 15.8 | 23.8 |

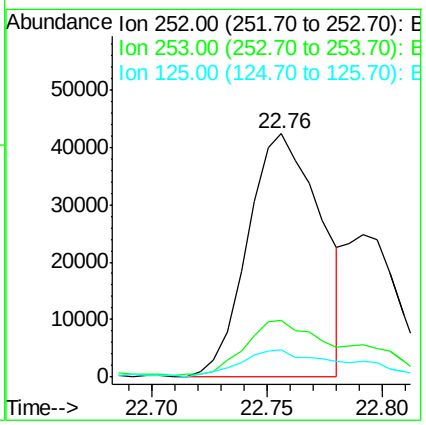


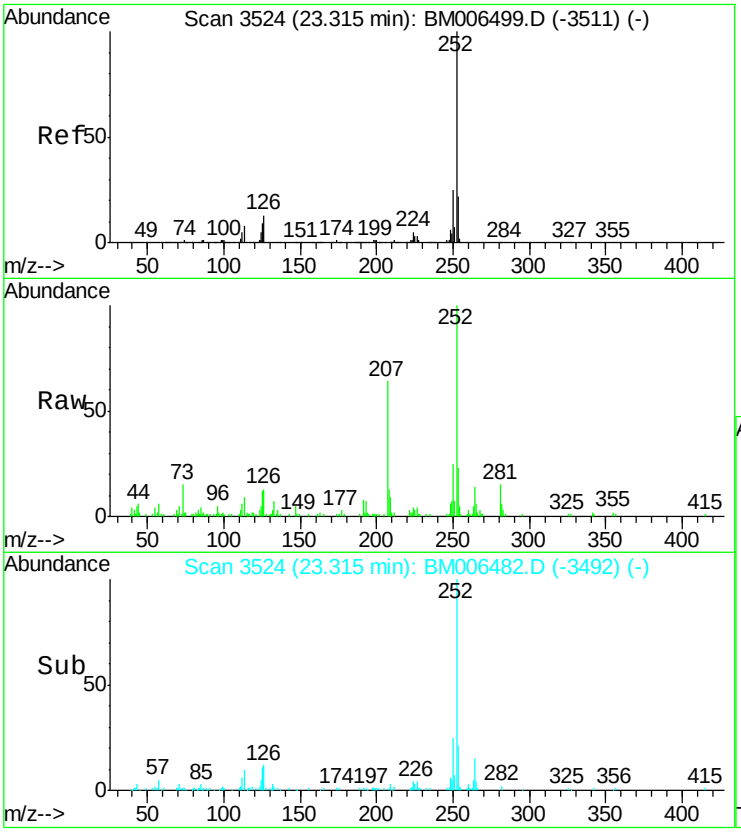




#85
Benzo(b)fluoranthene
Concen: 1.47 ng/ul
RT: 22.76 min Scan# 3429
Delta R.T. -0.01 min
Lab File: BM006482.D
Acq: 16 Jul 2016 16:59

Tgt Ion:252 Resp: 93356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 17.4 | 26.2 |
| 125 | 11.1 | 6.7 | 10.1# |






#88
Benzo(a)pyrene
Concen: 1.26 ng/ul
RT: 23.32 min Scan# 3524
Delta R.T. -0.01 min
Lab File: BM006482.D
Acq: 16 Jul 2016 16:59

**Instrument :**
BNA_M
**ClientSampleId :**
BDJ33

Tgt Ion:252 Resp: 76658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.3 | 17.4 | 26.2 |
| 125 | 11.7 | 7.6 | 11.4# |