Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013492.D
Acq On : 18 Dec 2017 11:14
Operator : SJ/JU
Sample : I6776-04ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** F9A56ME

Quant Time: Dec 18 14:36:59 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.67 | 152 | 186557 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.45 | 136 | 821096 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.32 | 164 | 485180 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.06 | 188 | 1146464 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.23 | 240 | 12489 | 20.00 | ng/ul | -0.02 |
| 83) Perylene-d12 | 23.49 | 264 | 831636 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.22 | 96 | 18144 | 4.82 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.85 | 99 | 456221 | 28.26 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.02 | 67 | 270528 | 29.39 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.21 | 132 | 372445 | 29.53 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.38 | 113 | 405676 | 29.42 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.83 | 128 | 199136 | 30.58 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.54 | 143 | 219894 | 31.55 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.07 | 165 | 430013 | 29.94 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.59 | 131 | 355388 | 26.93 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.73 | 166 | 1433929 | 33.21 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.00 | 160 | 1809415 | 33.96 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.53 | 143 | 207648 | 27.68 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.32 | 176 | 1271772 | 34.25 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.45 | 200 | 138484 | 19.20 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.16 | 188 | 2057607 | 35.84 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.50 | 212 | 2251504 | 3618.57 | ng/ul | 0.04 |
| 87) Benzo(a)pyrene-d12 | 23.35 | 264 | 1484697 | 35.05 | ng/ul | 0.01 |
| **Target Compounds** | | | | | | Qvalue |
| 15) N-Nitroso-di-n-propylamine | 8.38 | 70 | 11534 | 1.092 | ng/ul# | 1 |
| 44) Dimethylphthalate | 13.78 | 163 | 212223 | 5.139 | ng/ul | 98 |
| 47) Acenaphthylene | 14.04 | 152 | 656137 | 13.308 | ng/ul | 99 |
| 49) Acenaphthene | 14.38 | 153 | 34619 | 1.031 | ng/ul | 94 |
| 58) Fluorene | 15.37 | 166 | 48380 | 1.179 | ng/ul | 92 |
| 68) Pentachlorophenol | 16.72 | 266 | 88960 | 10.349 | ng/ul | 97 |
| 69) Phenanthrene | 17.11 | 178 | 454835 | 6.983 | ng/ul | 99 |
| 71) Anthracene | 17.20 | 178 | 1465164 | 22.007 | ng/ul | 99 |
| 72) Carbazole | 17.47 | 167 | 71363 | 1.246 | ng/ul# | 64 |
| 74) Fluoranthene | 19.07 | 202 | 192498 | 2.412 | ng/ul# | 39 |
| 77) Pyrene | 19.43 | 202 | 82253 | 108.407 | ng/ul# | 66 |
| 78) Butylbenzylphthalate | 20.39 | 149 | 411 | 1.386 | ng/ul# | 41 |
| 79) 3,3'-Dichlorobenzidine | 21.20 | 252 | 3587 | 13.663 | ng/ul# | 37 |
| 80) Benzo(a)anthracene | 21.26 | 228 | 14938543 | 18852.353 | ng/ul | 94 |
| 81) Bis(2-ethylhexyl)phthalate | 21.18 | 149 | 51680 | 115.655 | ng/ul | 96 |
| 82) Chrysene | 21.26 | 228 | 14938543 | 20320.584 | ng/ul | 97 |
| 85) Benzo(b)fluoranthene | 22.84 | 252 | 11612195 | 207.132 | ng/ul# | 97 |
| 86) Benzo(k)fluoranthene | 22.87 | 252 | 3029544 | 57.424 | ng/ul# | 98 |
| 88) Benzo(a)pyrene | 23.40 | 252 | 3037145 | 60.308 | ng/ul# | 97 |
| 89) Indeno(1,2,3-cd)pyrene | 25.72 | 276 | 1763854 | 35.299 | ng/ul# | 95 |
| 90) Dibenzo(a,h)anthracene | 25.72 | 278 | 504776 | 11.864 | ng/ul# | 91 |
| 91) Benzo(g,h,i)perylene | 26.40 | 276 | 1125003 | 28.543 | ng/ul# | 96 |

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013492.D
Acq On : 18 Dec 2017 11:14
Operator : SJ/JU
Sample : I6776-04ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
F9A56ME

Quant Time: Dec 18 14:36:59 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration

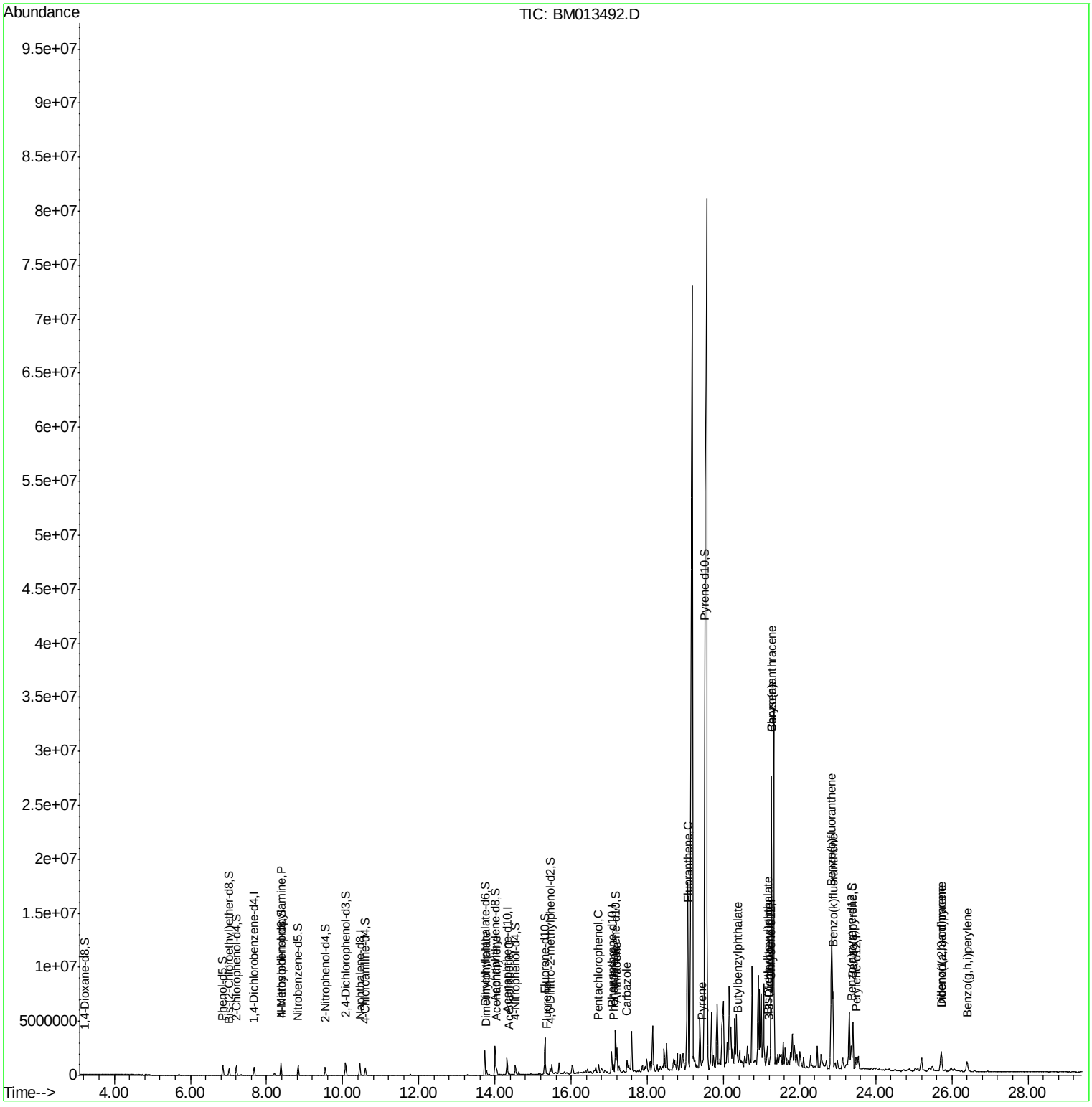
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|

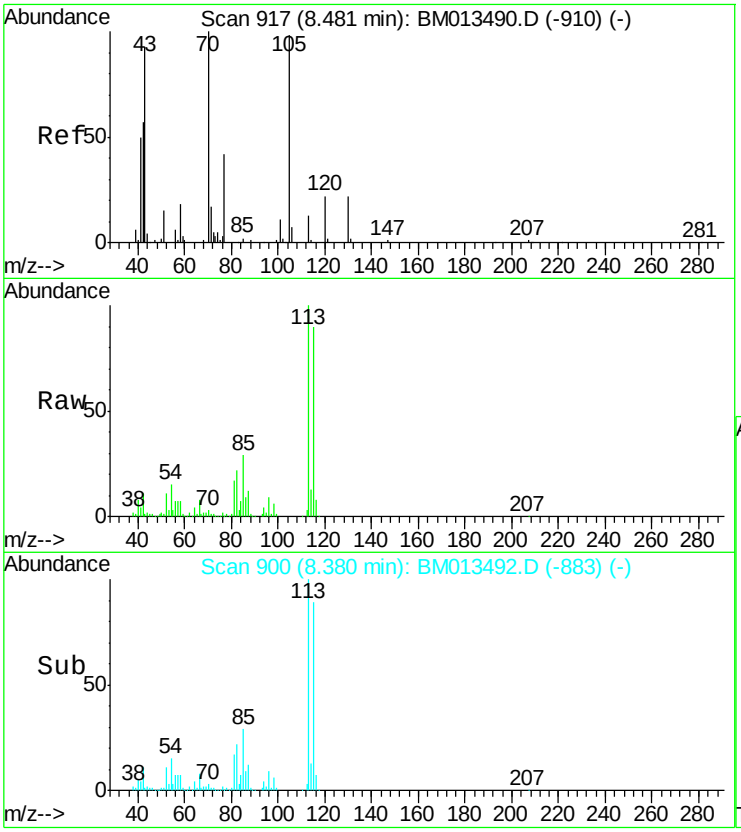
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013492.D
Acq On : 18 Dec 2017 11:14
Operator : SJ/JU
Sample : I6776-04ME
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
F9A56ME

Quant Time: Dec 18 14:36:59 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 14:36:05 2017
Response via : Initial Calibration



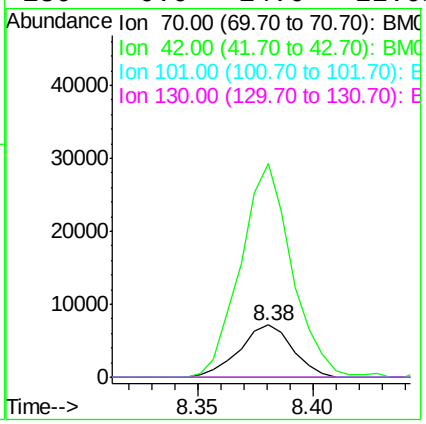


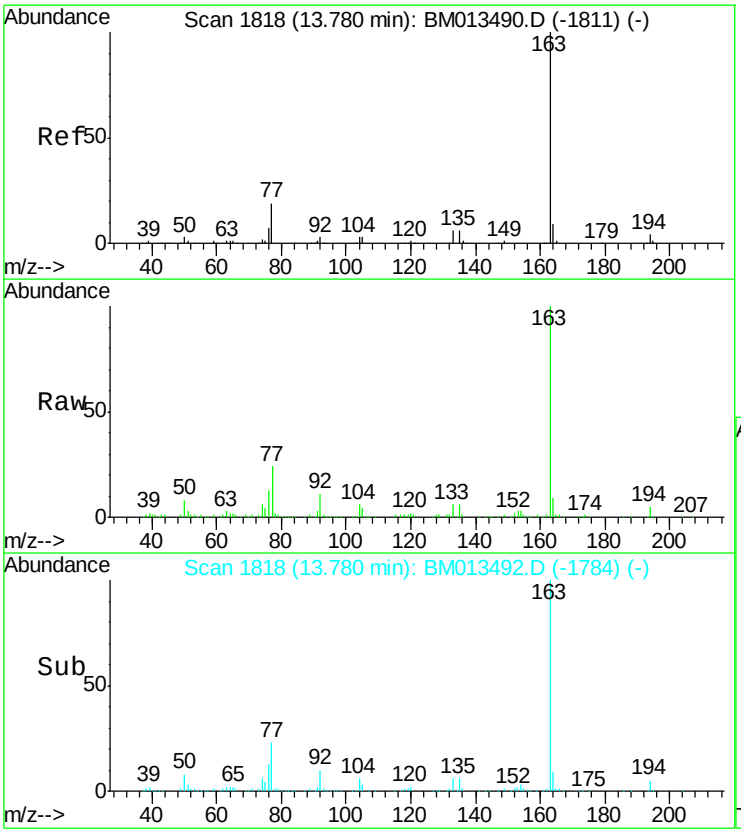

#15
N-Nitroso-di-n-propylamine
Concen: 1.092 ng/ul
RT: 8.38 min Scan# 900
Delta R.T. -0.10 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

**Instrument :**
BNA_M
**ClientSampleId :**
F9A56ME

Tgt Ion: 70 Resp: 11534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 411.4 | 76.0 | 114.0# |
| 101 | 0.0 | 6.7 | 10.1# |
| 130 | 0.0 | 14.6 | 22.0# |

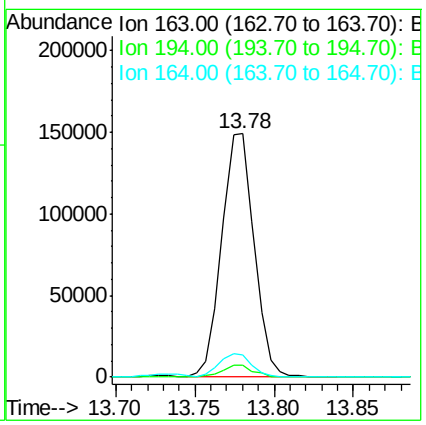


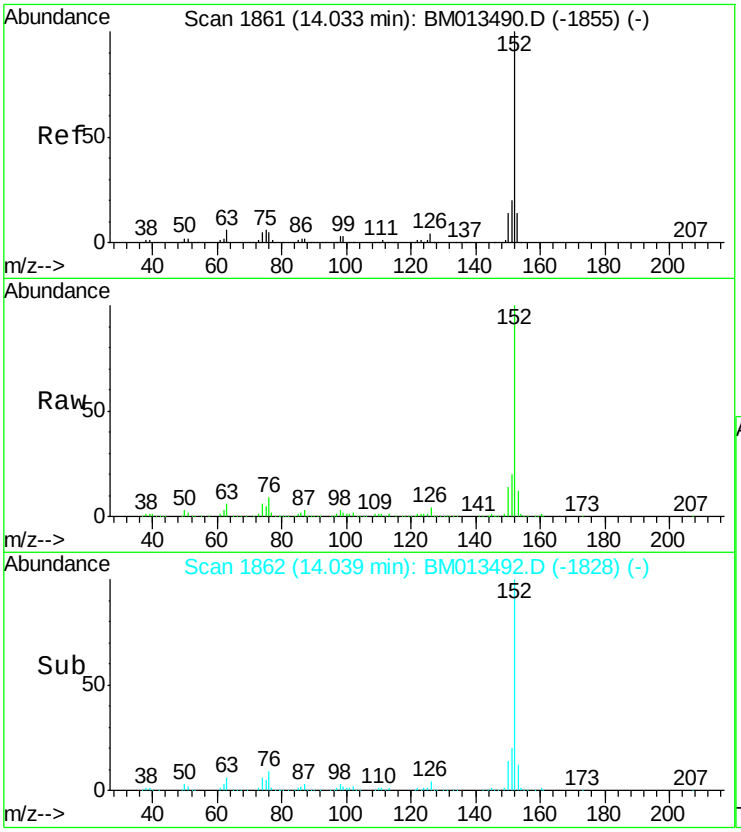




#44
Dimethylphthalate
Concen: 5.139 ng/ul
RT: 13.78 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

Tgt Ion:163 Resp: 212223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.7 | 3.5 | 5.3 |
| 164 | 9.3 | 8.2 | 12.4 |



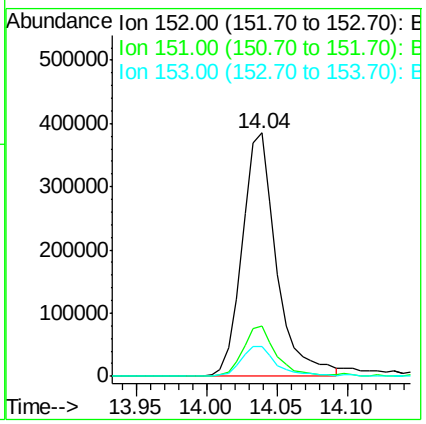


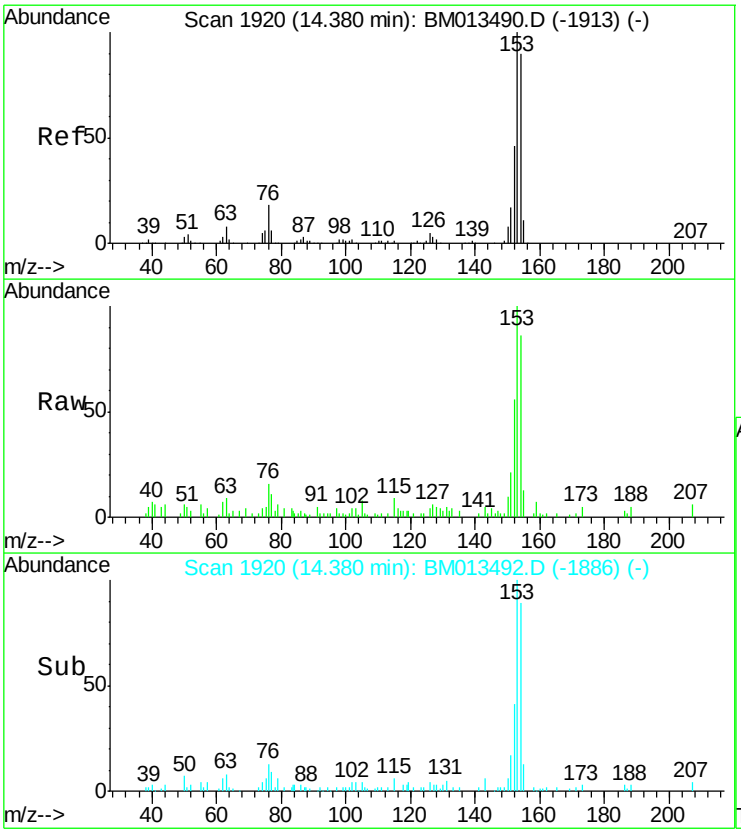

#47
Acenaphthylene
Concen: 13.308 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. -0.00 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

**Instrument :**
BNA_M
**ClientSampleId :**
F9A56ME

Tgt Ion:152 Resp: 656137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.5 | 16.3 | 24.5 |
| 153 | 12.2 | 10.2 | 15.4 |

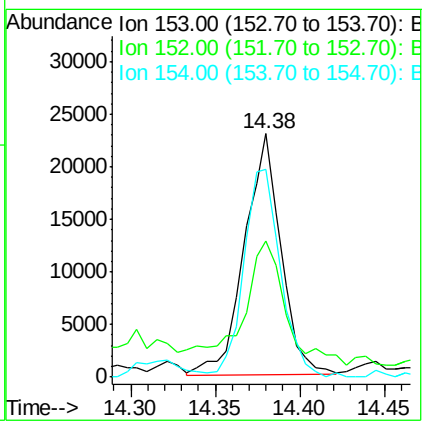


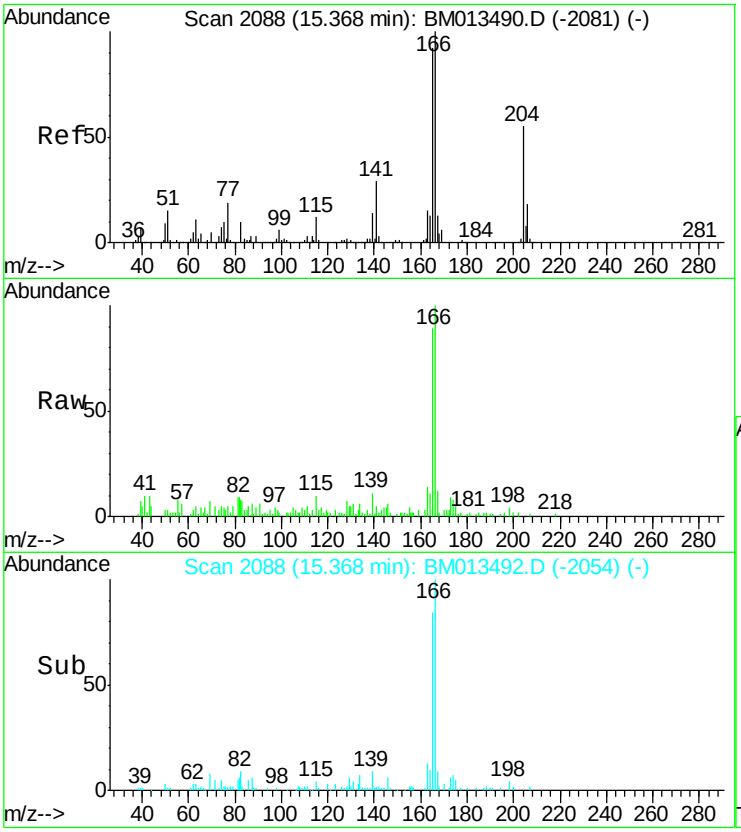




#49
Acenaphthene
Concen: 1.031 ng/ul
RT: 14.38 min Scan# 1920
Delta R.T. -0.00 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

Tgt Ion:153 Resp: 34619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 55.9 | 37.6 | 56.4 |
| 154 | 85.6 | 70.4 | 105.6 |



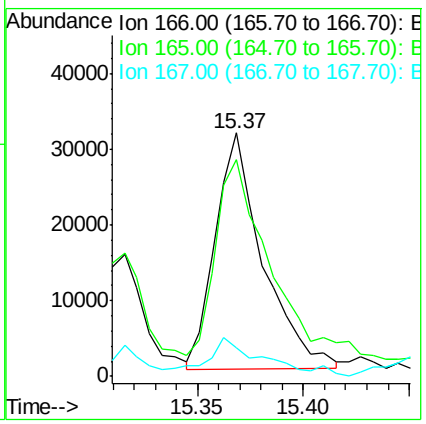


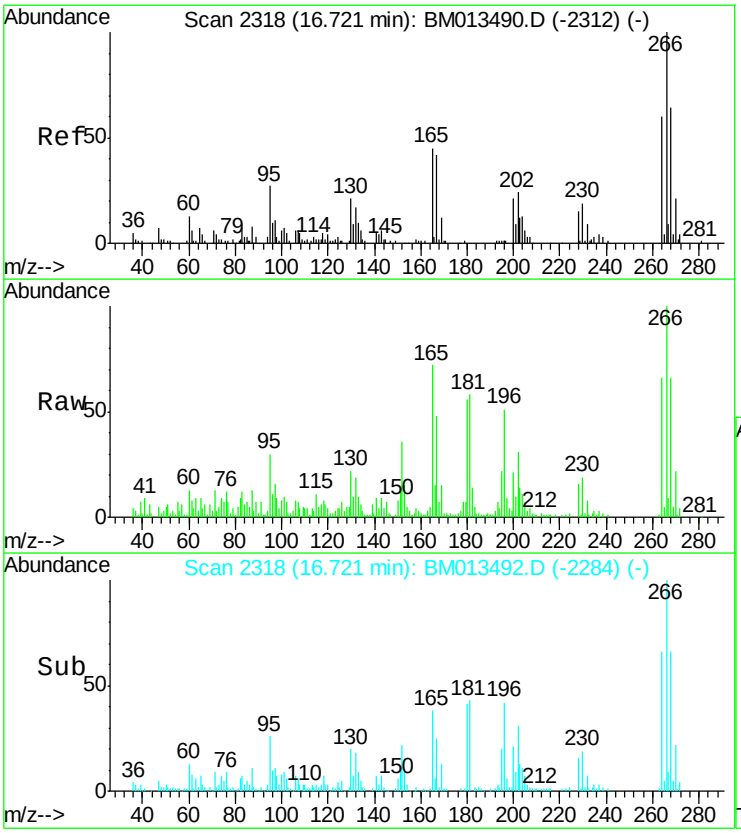

#58
Fluorene
Concen: 1.179 ng/ul
RT: 15.37 min Scan# 2088
Delta R.T. -0.00 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

**Instrument :**
BNA_M
**ClientSampleId :**
F9A56ME

Tgt Ion:166 Resp: 48380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 89.1 | 77.9 | 116.9 |
| 167 | 11.7 | 10.6 | 16.0 |

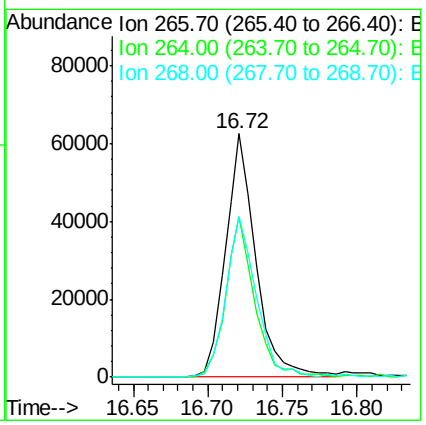


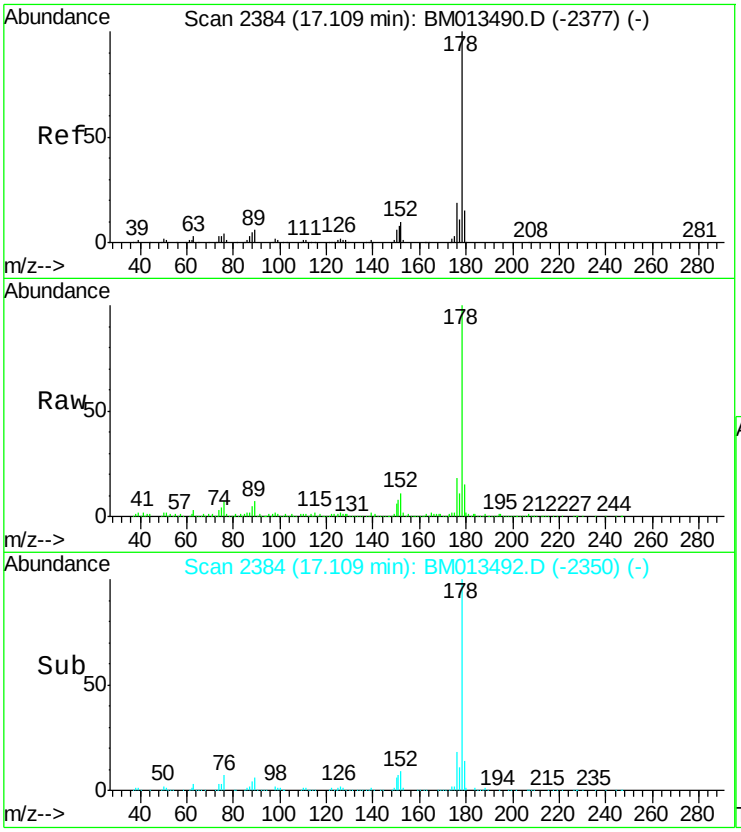




#68
Pentachlorophenol
Concen: 10.349 ng/ul
RT: 16.72 min Scan# 2318
Delta R.T. -0.00 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

Tgt Ion:266 Resp: 88960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 65.7 | 49.3 | 73.9 |
| 268 | 65.7 | 52.6 | 78.8 |



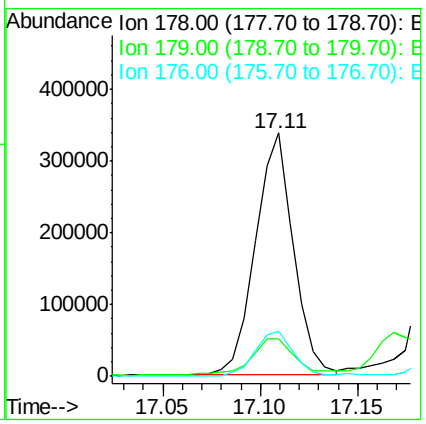


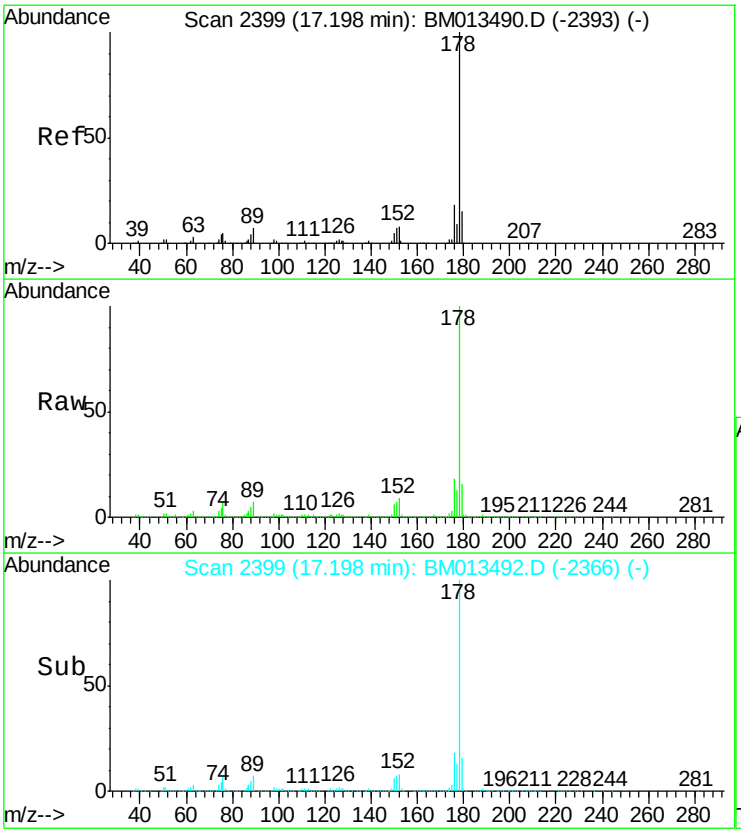

#69
Phenanthrene
Concen: 6.983 ng/ul
RT: 17.11 min Scan# 2384
Delta R.T. -0.00 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

**Instrument :**
BNA_M
**ClientSampleId :**
F9A56ME

Tgt Ion:178 Resp: 454835

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.3 | 12.6 | 19.0 |
| 176 | 18.4 | 14.9 | 22.3 |

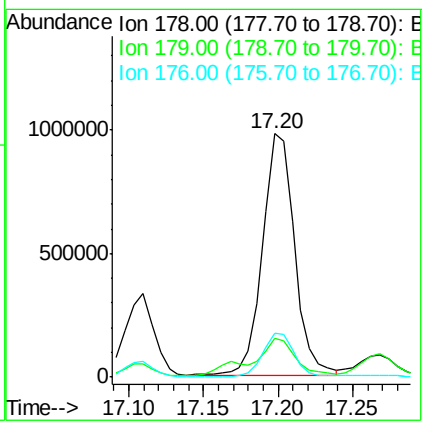


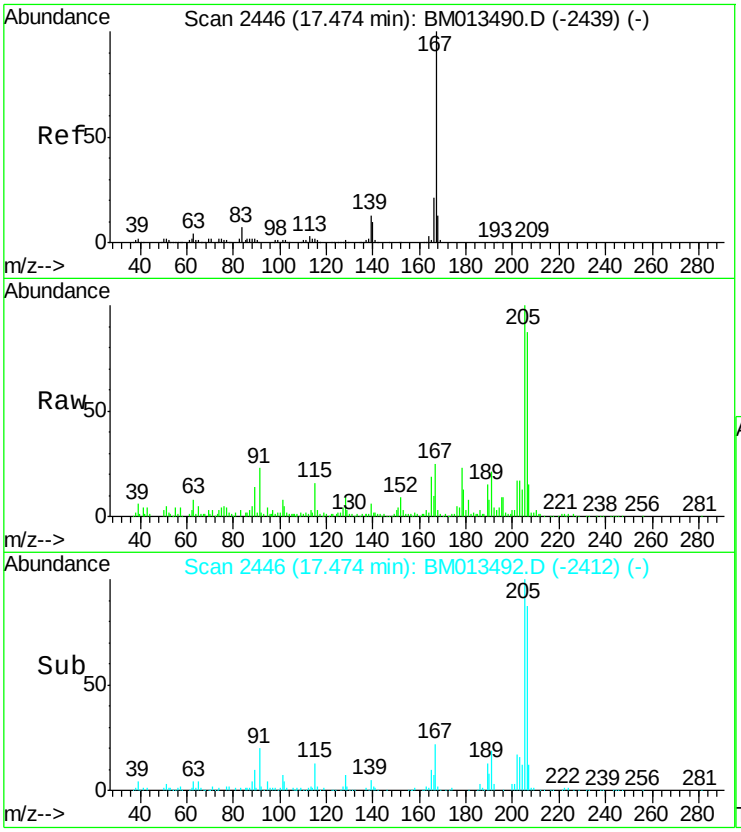




#71
Anthracene
Concen: 22.007 ng/ul
RT: 17.20 min Scan# 2399
Delta R.T. -0.01 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

Tgt Ion:178 Resp: 1465164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.9 | 11.7 | 17.5 |
| 176 | 18.2 | 14.6 | 21.8 |



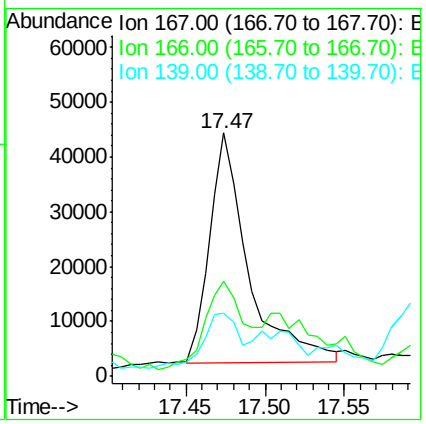


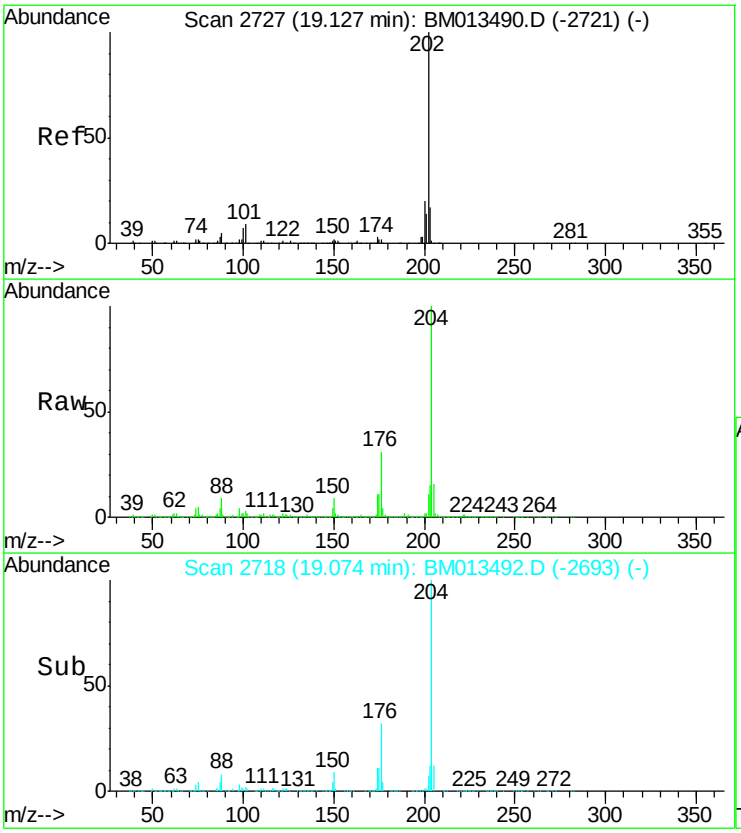

#72
Carbazole
Concen: 1.246 ng/ul
RT: 17.47 min Scan# 2446
Delta R.T. -0.00 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

**Instrument :**
BNA_M
**ClientSampleId :**
F9A56ME

Tgt Ion:167 Resp: 71363

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 39.2 | 17.1 | 25.7# |
| 139 | 26.0 | 10.0 | 15.0# |

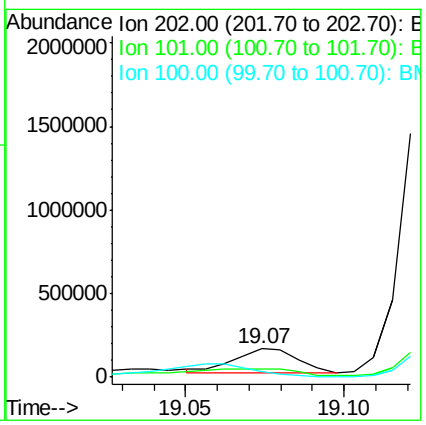


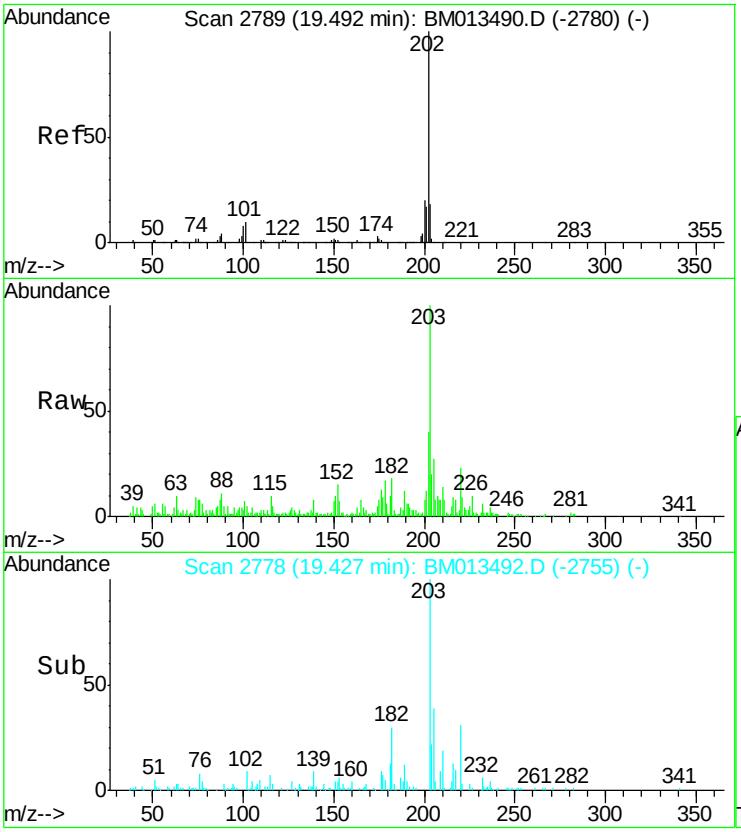




#74
Fluoranthene
Concen: 2.412 ng/ul
RT: 19.07 min Scan# 2718
Delta R.T. -0.05 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

Tgt Ion:202 Resp: 192498

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 30.4 | 4.6 | 7.0# |
| 100 | 18.9 | 3.4 | 5.2# |



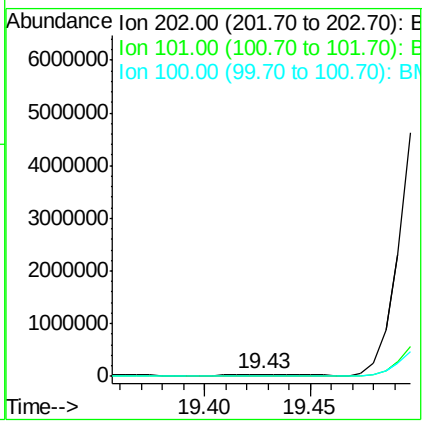


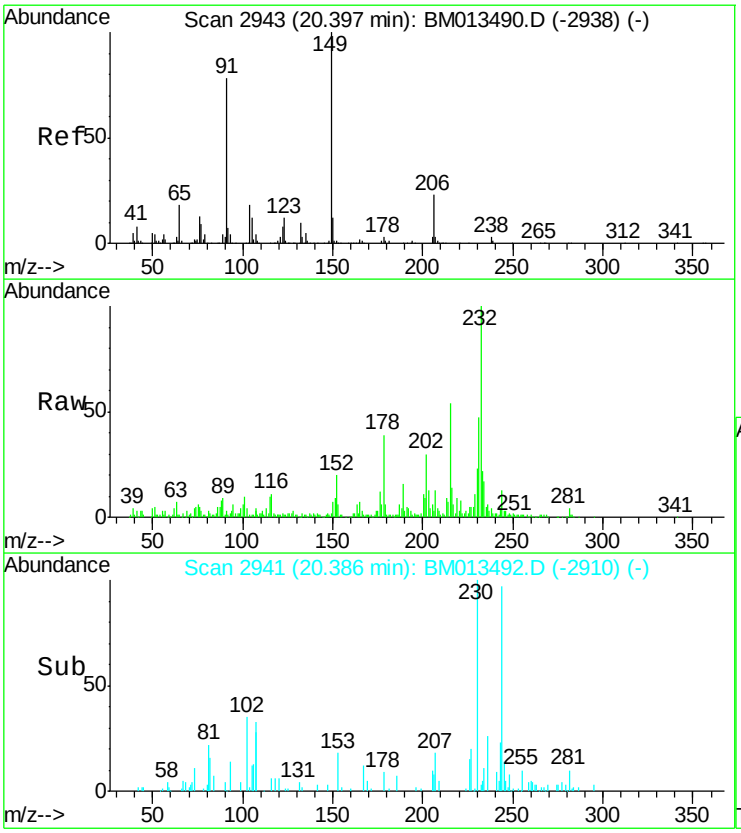

#77
Pyrene
Concen: 108.407 ng/ul
RT: 19.43 min Scan# 2778
Delta R.T. -0.07 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

**Instrument :**
BNA_M
**ClientSampleId :**
F9A56ME

Tgt Ion:202 Resp: 82253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 28.2 | 5.1 | 7.7# |
| 100 | 7.1 | 4.9 | 7.3 |

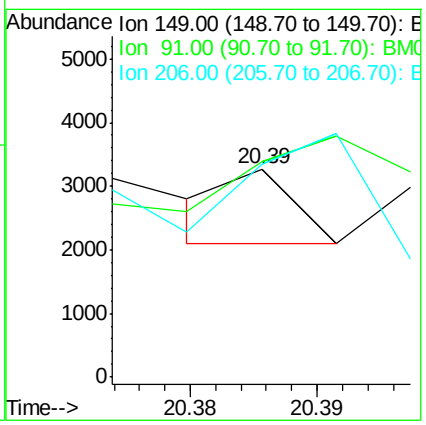


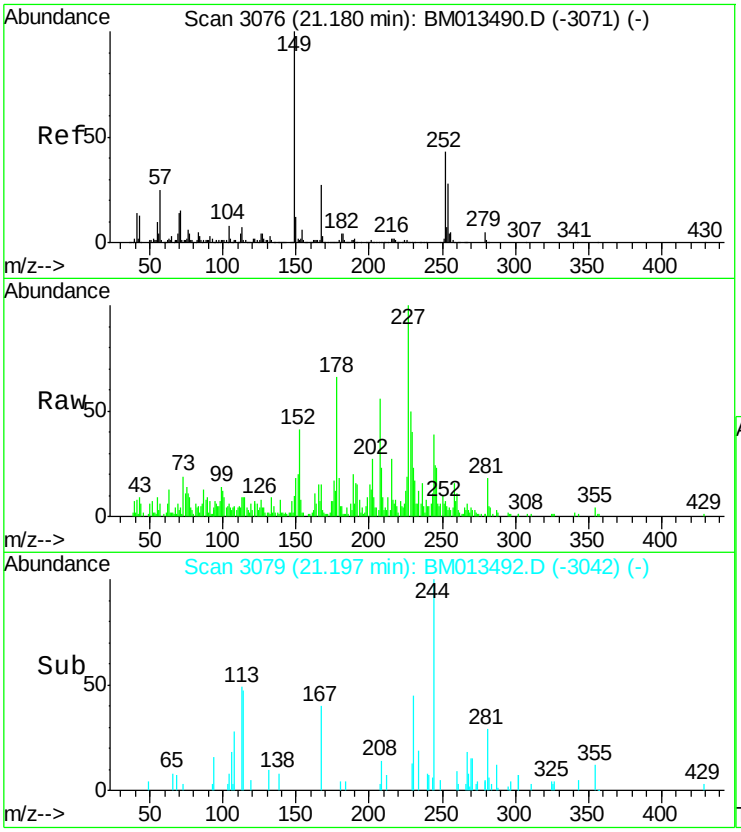




#78
Butylbenzylphthalate
Concen: 1.386 ng/ul
RT: 20.39 min Scan# 2941
Delta R.T. -0.02 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

Tgt Ion:149 Resp: 411

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 91 | 103.6 | 62.7 | 94.1# |
| 206 | 102.4 | 20.8 | 31.2# |



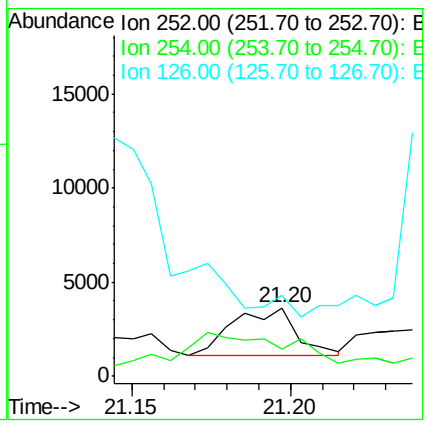


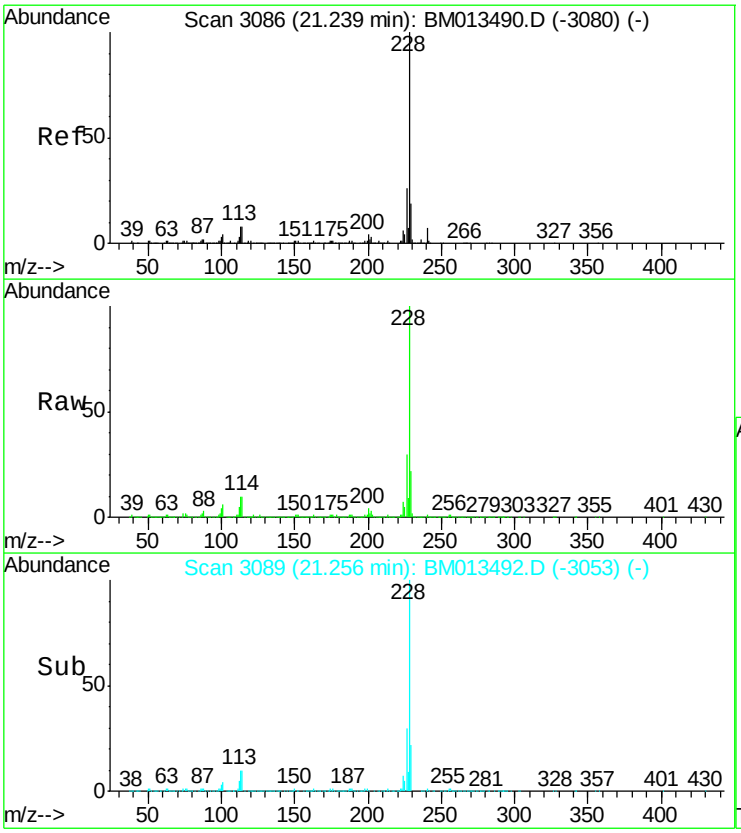

#79
3,3'-Dichlorobenzidine
Concen: 13.663 ng/ul
RT: 21.20 min Scan# 3079
Delta R.T. 0.02 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

**Instrument :**
BNA_M
**ClientSampleId :**
F9A56ME

Tgt Ion:252 Resp: 3587

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 39.1 | 54.5 | 81.7# |
| 126 | 117.3 | 5.8 | 8.8# |

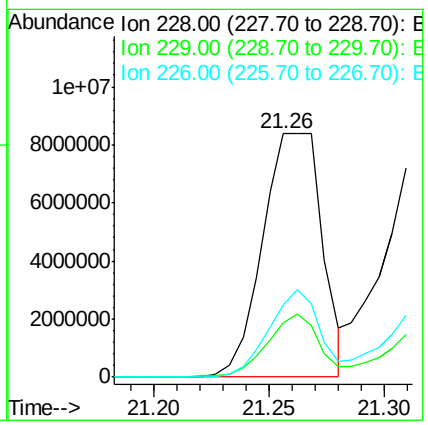


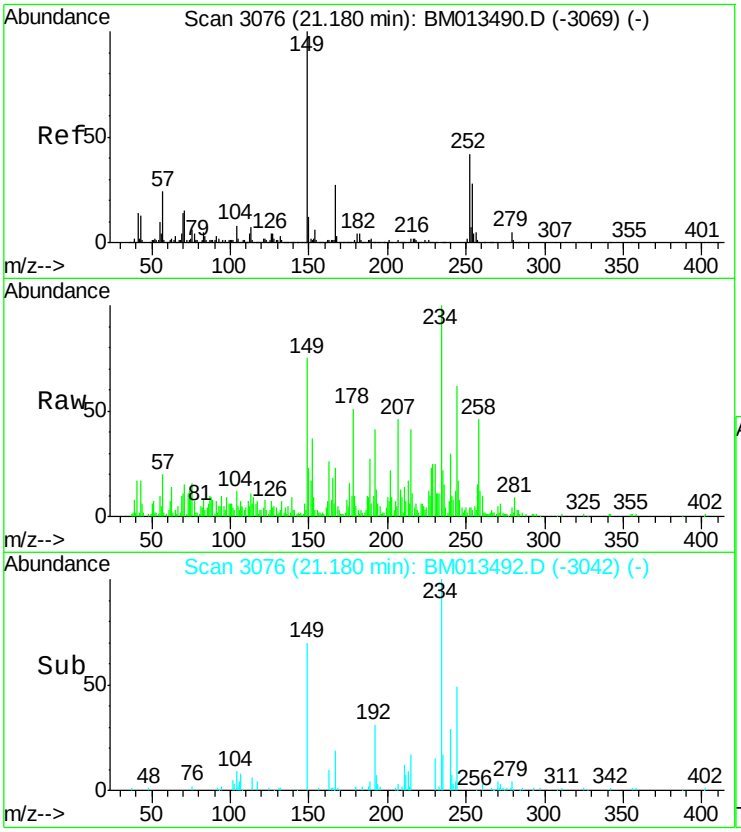




#80
Benzo(a)anthracene
Concen: 18852.353 ng/ul
RT: 21.26 min Scan# 3089
Delta R.T. 0.01 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

Tgt Ion:228 Resp:14938543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 22.1 | 15.4 | 23.0 |
| 226 | 29.8 | 21.4 | 32.0 |



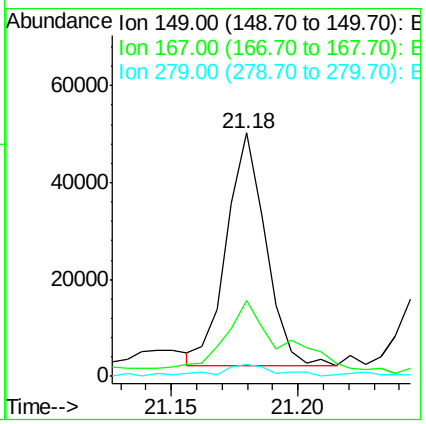


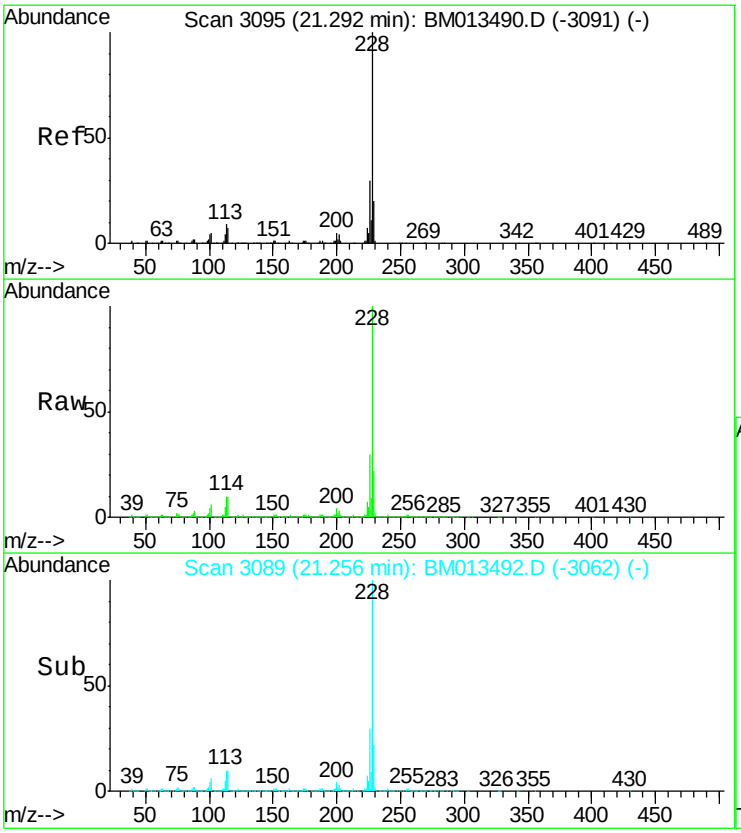

#81
Bis(2-ethylhexyl)phthalate
Concen: 115.655 ng/ul
RT: 21.18 min Scan# 3076
Delta R.T. -0.00 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

**Instrument :**
BNA_M
**ClientSampleId :**
F9A56ME

Tgt Ion:149 Resp: 51680

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 31.0 | 22.8 | 34.2 |
| 279 | 5.1 | 4.9 | 7.3 |

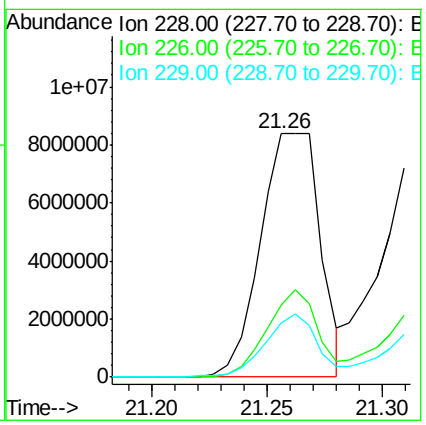


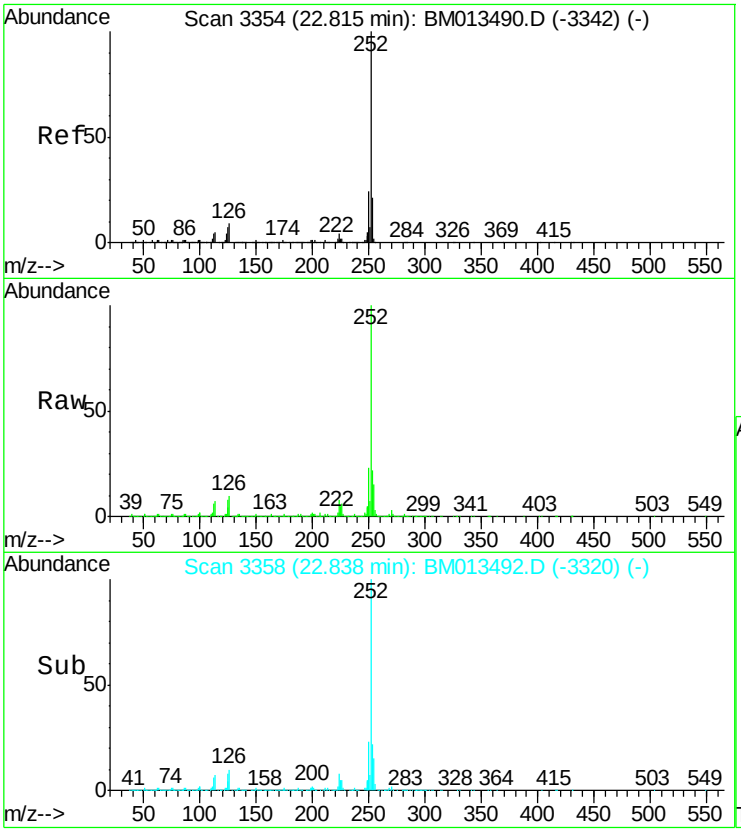




#82
Chrysene
Concen: 20320.584 ng/ul
RT: 21.26 min Scan# 3089
Delta R.T. -0.04 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

Tgt Ion:228 Resp:14938543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.8 | 23.4 | 35.2 |
| 229 | 22.1 | 15.5 | 23.3 |



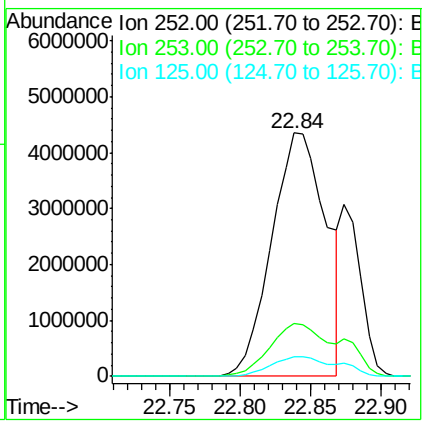


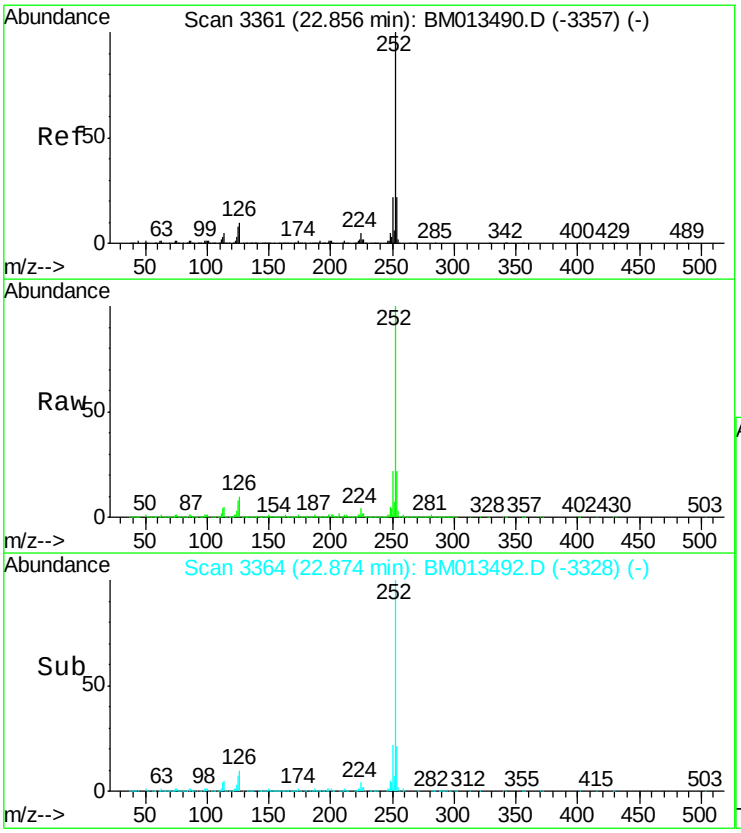

#85
Benzo(b)fluoranthene
Concen: 207.132 ng/ul
RT: 22.84 min Scan# 3358
Delta R.T. 0.02 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

**Instrument :**
BNA_M
**ClientSampleId :**
F9A56ME

Tgt Ion:252 Resp:11612195

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.0 | 17.9 | 26.9 |
| 125 | 8.2 | 3.6 | 5.4# |

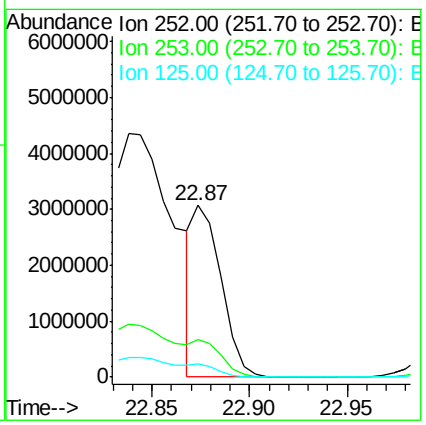


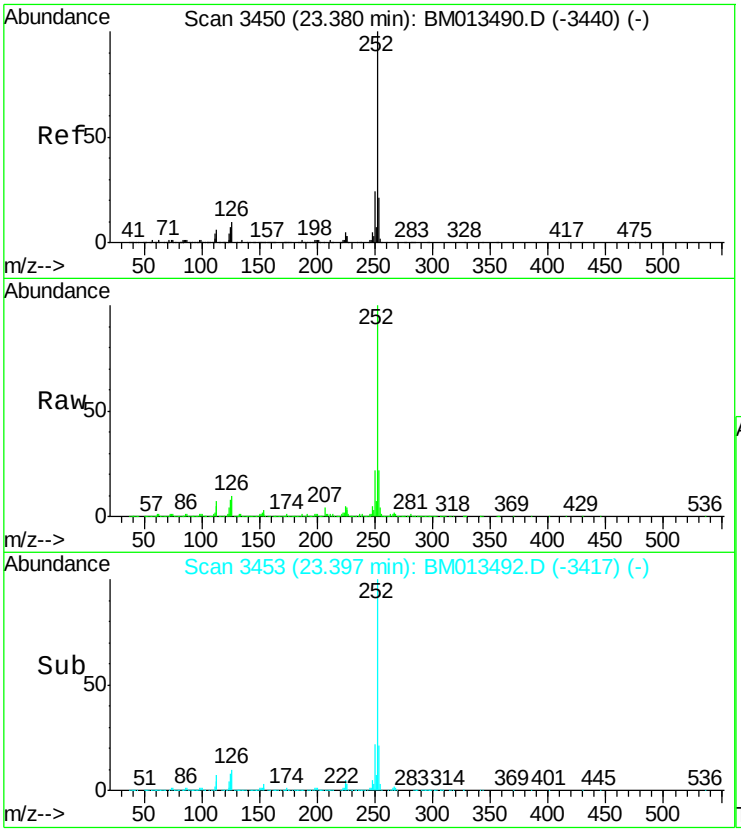




#86
Benzo(k)fluoranthene
Concen: 57.424 ng/ul
RT: 22.87 min Scan# 3364
Delta R.T. 0.01 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

Tgt Ion:252 Resp: 3029544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.1 | 25.7 |
| 125 | 7.5 | 3.4 | 5.2# |



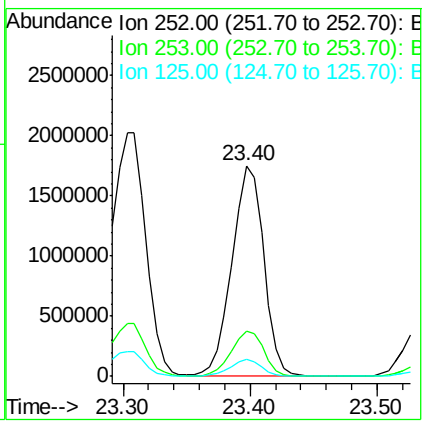


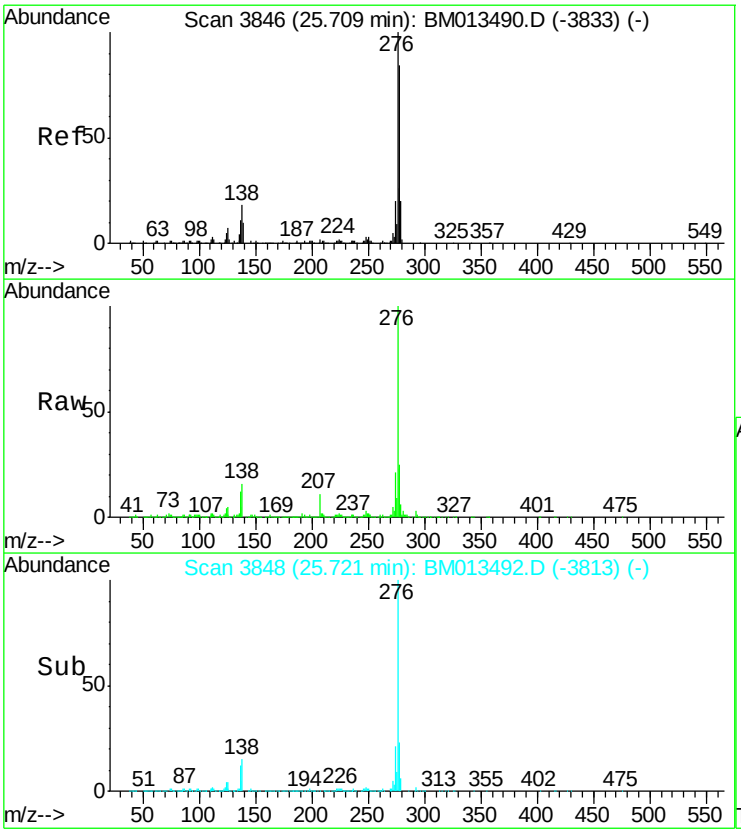

#88
Benzo(a)pyrene
Concen: 60.308 ng/ul
RT: 23.40 min Scan# 3453
Delta R.T. 0.01 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

**Instrument :**
BNA_M
**ClientSampleId :**
F9A56ME

Tgt Ion:252 Resp: 3037145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 18.2 | 27.2 |
| 125 | 7.9 | 4.0 | 6.0# |

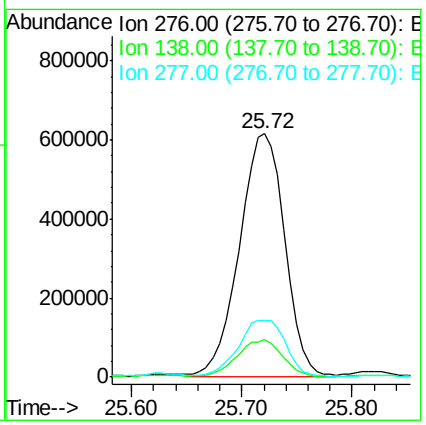


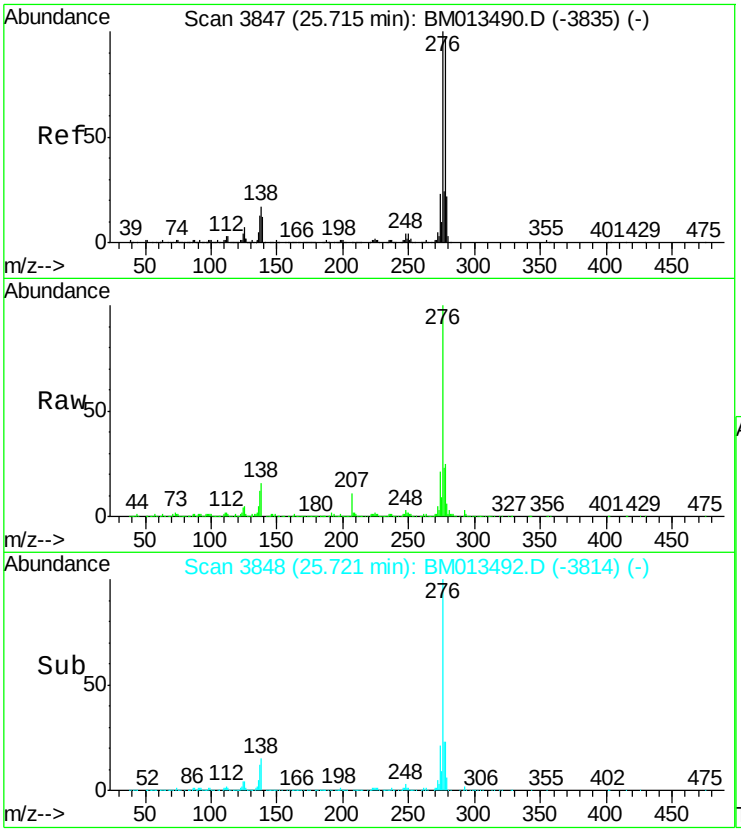




#89
Indeno(1,2,3-cd)pyrene
Concen: 35.299 ng/ul
RT: 25.72 min Scan# 3848
Delta R.T. 0.01 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

Tgt Ion:276 Resp: 1763854

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.5 | 9.3 | 13.9# |
| 277 | 23.3 | 19.9 | 29.9 |



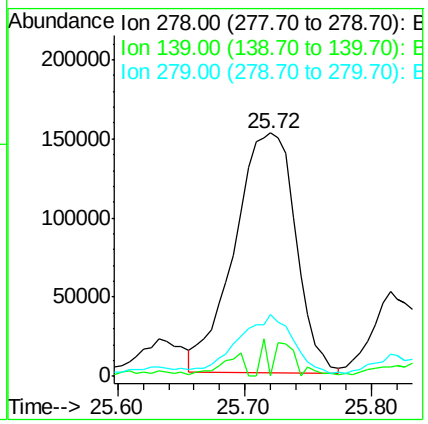


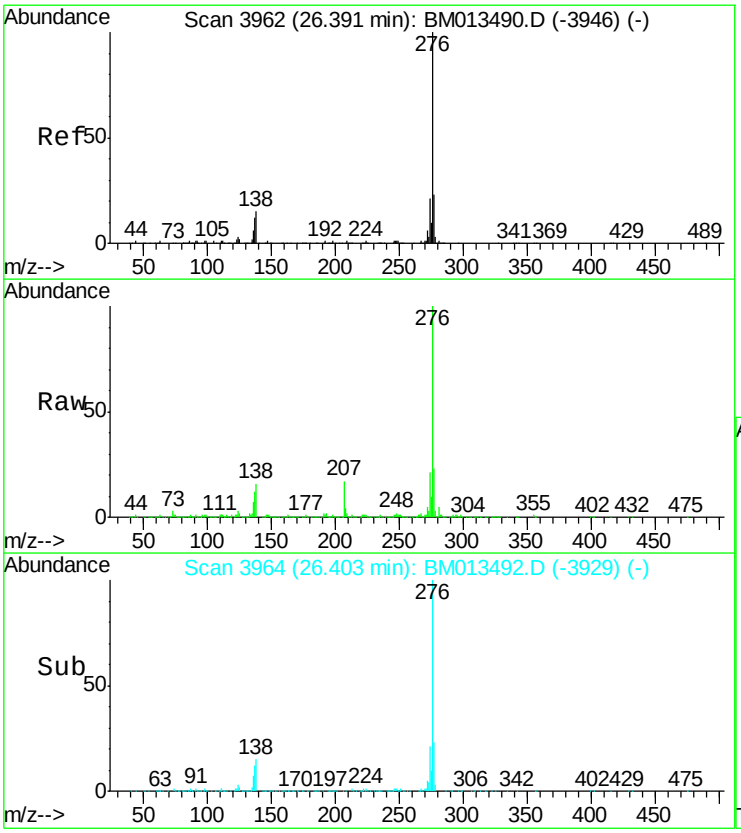

#90
Dibenzo(a,h)anthracene
Concen: 11.864 ng/ul
RT: 25.72 min Scan# 3848
Delta R.T. -0.00 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

**Instrument :**
BNA_M
**ClientSampleId :**
F9A56ME

Tgt Ion:278 Resp: 504776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 5.8 | 8.8# |
| 279 | 25.6 | 18.6 | 27.8 |




#91
Benzo(g,h,i)perylene
Concen: 28.543 ng/ul
RT: 26.40 min Scan# 3964
Delta R.T. 0.01 min
Lab File: BM013492.D
Acq: 18 Dec 2017 11:14

Tgt Ion:276 Resp: 1125003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 15.6 | 8.5 | 12.7# |
| 277 | 23.3 | 18.6 | 28.0 |