Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
Data File : BM014390.D
Acq On : 27 Feb 2018 19:38
Operator : SJ/JU
Sample : J1646-20
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Feb 28 00:47:38 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 00:45:45 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.52 | 152 | 108557 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.29 | 136 | 457265 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.18 | 164 | 258793 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 16.94 | 188 | 527505 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.16 | 240 | 489579 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.34 | 264 | 482620 | 20.00 | ng/ul | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.10 | 96 | 17888 | 7.05 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.73 | 99 | 355570 | 38.76 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 6.87 | 67 | 227078 | 40.89 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.06 | 132 | 305152 | 43.37 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.25 | 113 | 260833 | 32.49 | ng/ul | 0.01 |
| 19) Nitrobenzene-d5 | 8.68 | 128 | 159686 | 47.26 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.39 | 143 | 175597 | 50.21 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 9.93 | 165 | 308170 | 42.54 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.46 | 131 | 244132 | 34.21 | ng/ul | 0.00 |
| 43) Dimethylphthalate-d6 | 13.60 | 166 | 1001085 | 46.84 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 13.87 | 160 | 1246759 | 47.31 | ng/ul | 0.01 |
| 51) 4-Nitrophenol-d4 | 14.46 | 143 | 108385 | 36.73 | ng/ul | 0.02 |
| 57) Fluorene-d10 | 15.19 | 176 | 816107 | 42.62 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.35 | 200 | 26533 | 8.38 | ng/ul | 0.01 |
| 70) Anthracene-d10 | 17.04 | 188 | 1213268 | 47.67 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.36 | 212 | 1273619 | 50.44 | ng/ul | 0.01 |
| 87) Benzo(a)pyrene-d12 | 23.20 | 264 | 1100057 | 46.83 | ng/ul | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 6.76 | 94 | 45322 | 4.707 | ng/ul# | 84 |
| 15) N-Nitroso-di-n-propylamine | 8.25 | 70 | 8562 | 1.234 | ng/ul# | 1 |
| 28) Naphthalene | 10.35 | 128 | 31621 | 1.346 | ng/ul | 97 |
| 44) Dimethylphthalate | 13.65 | 163 | 265481 | 12.597 | ng/ul | 97 |
| 47) Acenaphthylene | 13.90 | 152 | 60289 | 2.420 | ng/ul# | 90 |
| 49) Acenaphthene | 14.25 | 153 | 58188 | 3.318 | ng/ul | 96 |
| 53) Dibenzofuran | 14.59 | 168 | 50862 | 1.934 | ng/ul | 98 |
| 58) Fluorene | 15.24 | 166 | 56749 | 2.499 | ng/ul# | 99 |
| 69) Phenanthrene | 16.99 | 178 | 1362407 | 44.827 | ng/ul | 99 |
| 71) Anthracene | 17.07 | 178 | 256930 | 8.406 | ng/ul | 98 |
| 72) Carbazole | 17.36 | 167 | 129507 | 5.039 | ng/ul# | 93 |
| 74) Fluoranthene | 19.02 | 202 | 2049978 | 56.456 | ng/ul# | 94 |
| 77) Pyrene | 19.39 | 202 | 1782665 | 54.790 | ng/ul# | 94 |
| 80) Benzo(a)anthracene | 21.14 | 228 | 795844 | 26.047 | ng/ul | 99 |
| 82) Chrysene | 21.19 | 228 | 748210 | 26.250 | ng/ul | 98 |
| 85) Benzo(b)fluoranthene | 22.69 | 252 | 871172 | 26.958 | ng/ul# | 97 |
| 86) Benzo(k)fluoranthene | 22.69 | 252 | 871172 | 28.355 | ng/ul# | 98 |
| 88) Benzo(a)pyrene | 23.24 | 252 | 647718 | 22.430 | ng/ul# | 98 |
| 89) Indeno(1,2,3-cd)pyrene | 25.50 | 276 | 410660 | 14.655 | ng/ul | 95 |
| 90) Dibenzo(a,h)anthracene | 25.50 | 278 | 109071 | 4.684 | ng/ul# | 85 |
| 91) Benzo(g,h,i)perylene | 26.17 | 276 | 311786 | 13.735 | ng/ul | 97 |

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
Data File : BM014390.D
Acq On : 27 Feb 2018 19:38
Operator : SJ/JU
Sample : J1646-20
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Feb 28 00:47:38 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 00:45:45 2018
Response via : Initial Calibration

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

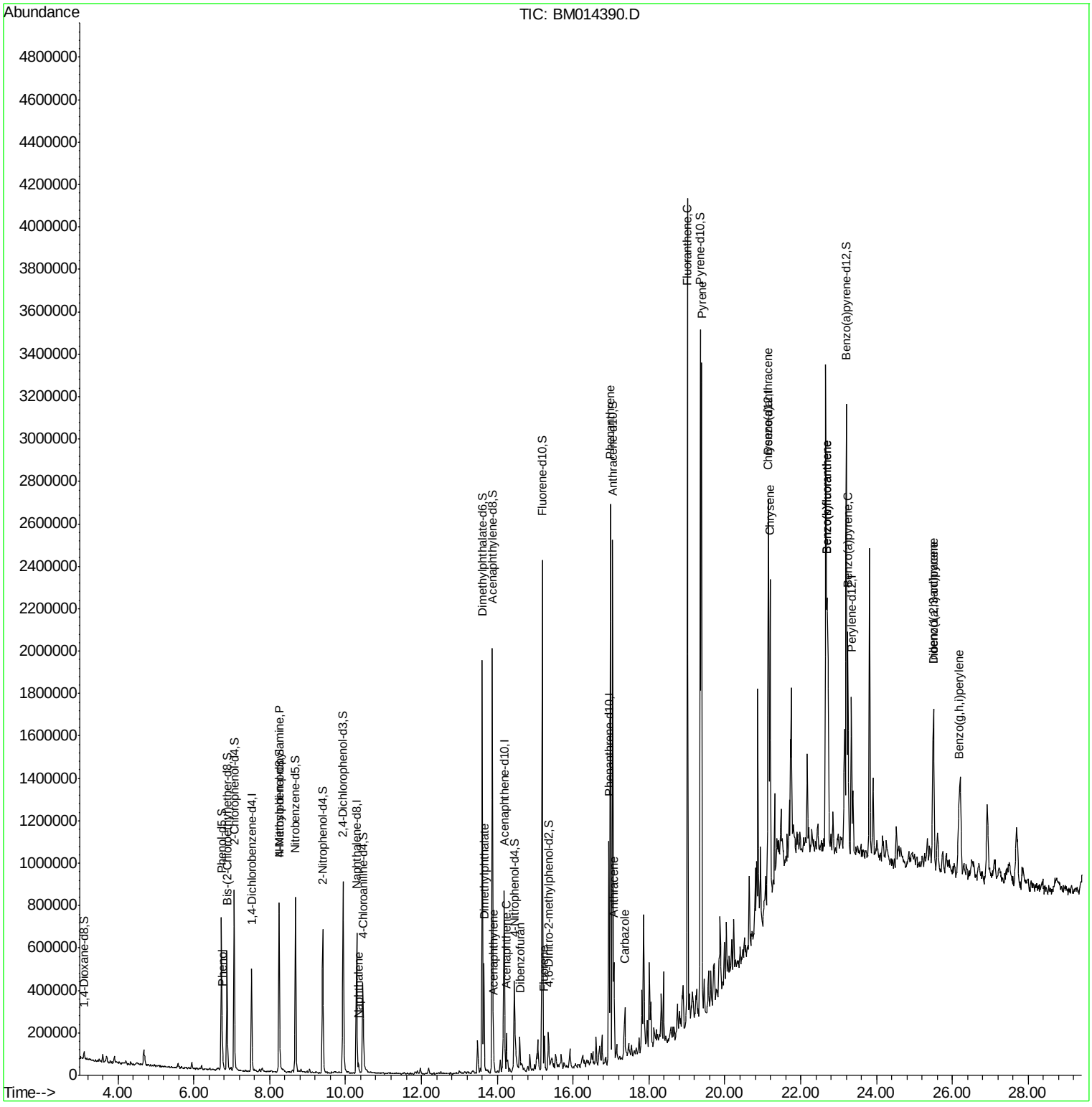
(#) = qualifier out of range (m) = manual integration (+) = signals summed

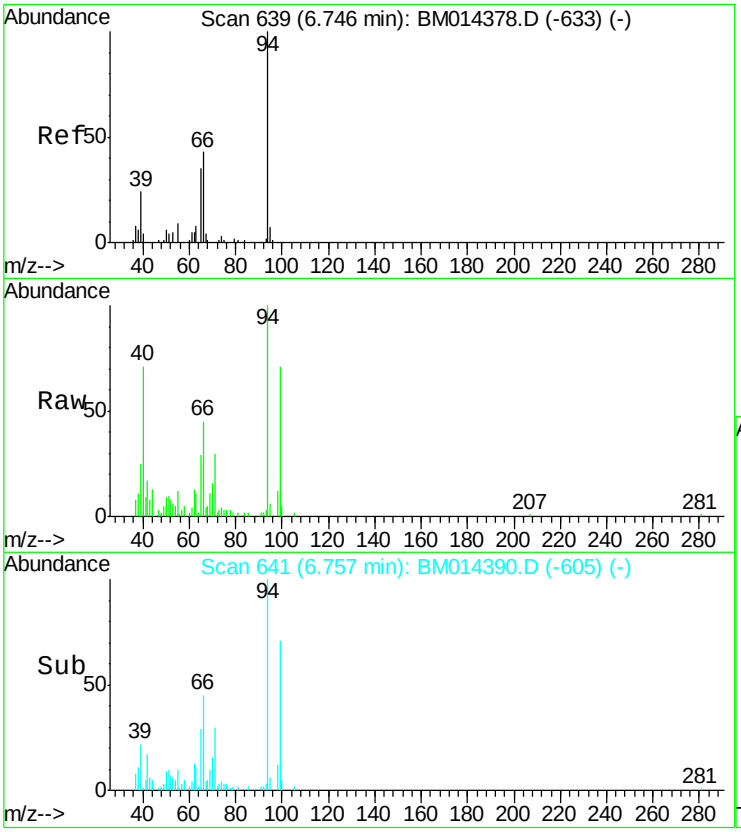
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022718\
Data File : BM014390.D
Acq On : 27 Feb 2018 19:38
Operator : SJ/JU
Sample : J1646-20
Misc :
ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Feb 28 00:47:38 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 28 00:45:45 2018
Response via : Initial Calibration



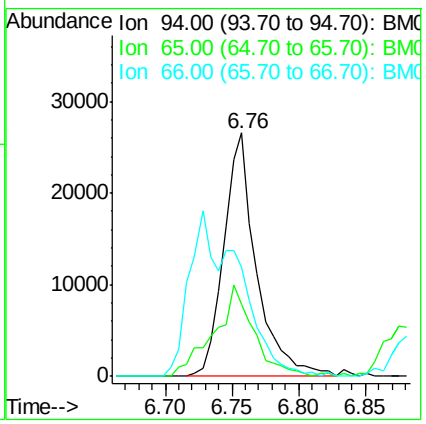


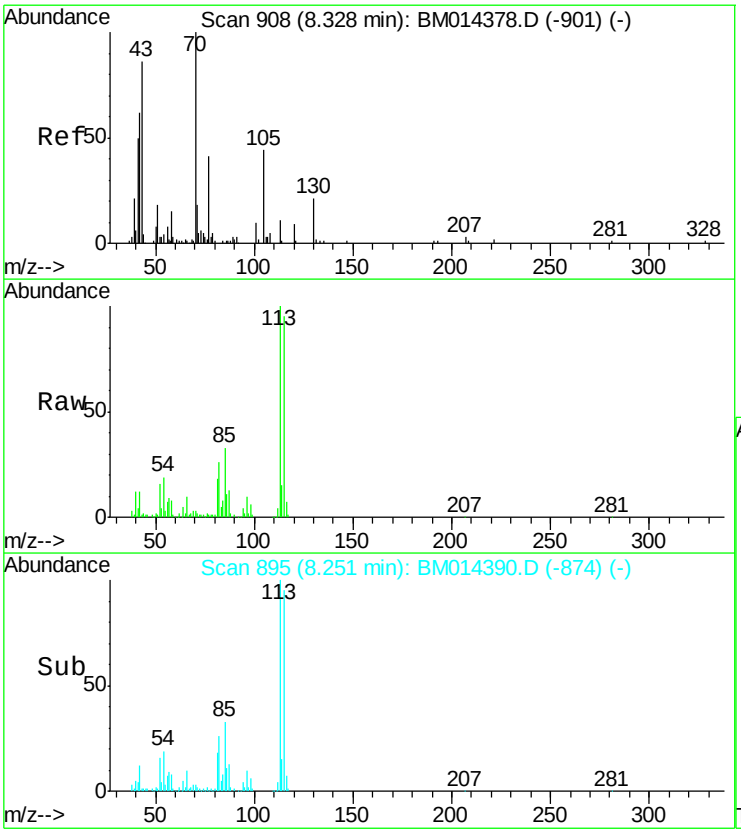

#6
Phenol
Concen: 4.707 ng/ul
RT: 6.76 min Scan# 641
Delta R.T. 0.01 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

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

Tgt Ion: 94 Resp: 45322

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.5 | 28.2 | 42.4 |
| 66 | 44.9 | 47.2 | 70.8# |

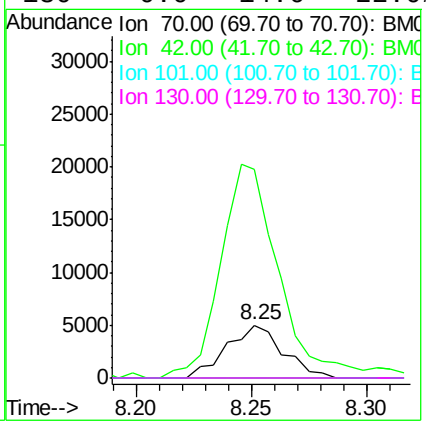


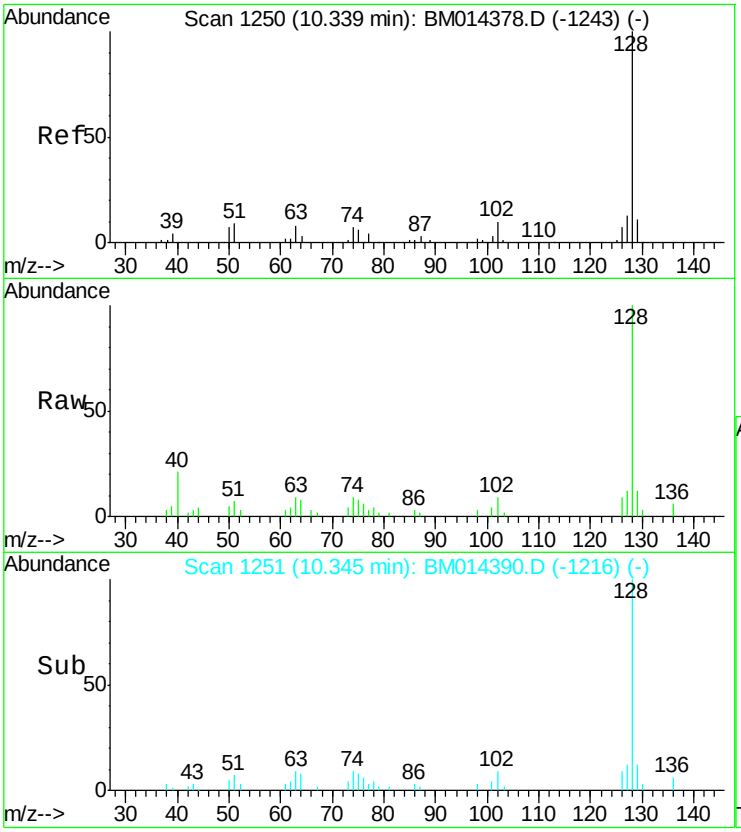




#15
N-Nitroso-di-n-propylamine
Concen: 1.234 ng/ul
RT: 8.25 min Scan# 895
Delta R.T. -0.08 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

Tgt Ion: 70 Resp: 8562

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 394.6 | 76.0 | 114.0# |
| 101 | 0.0 | 6.7 | 10.1# |
| 130 | 0.0 | 14.6 | 22.0# |



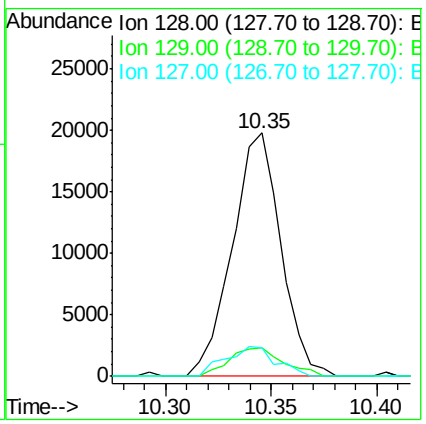


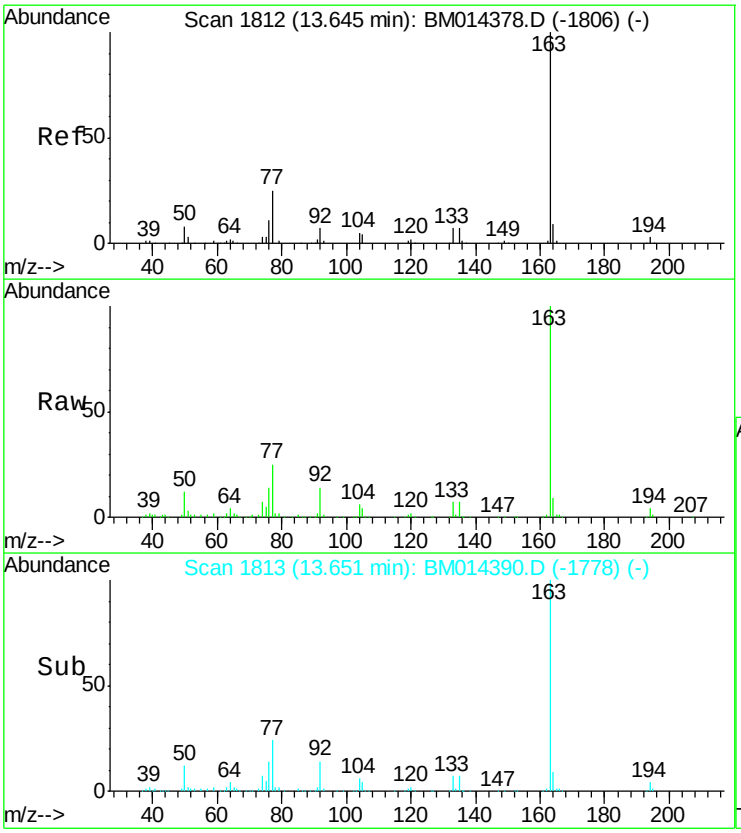

#28
Naphthalene
Concen: 1.346 ng/ul
RT: 10.35 min Scan# 1251
Delta R.T. 0.01 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

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

Tgt Ion:128 Resp: 31621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.6 | 8.8 | 13.2 |
| 127 | 11.7 | 10.6 | 16.0 |

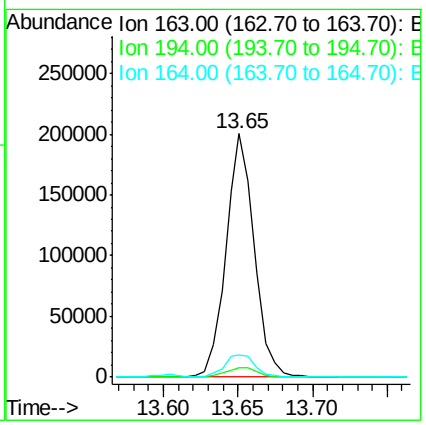


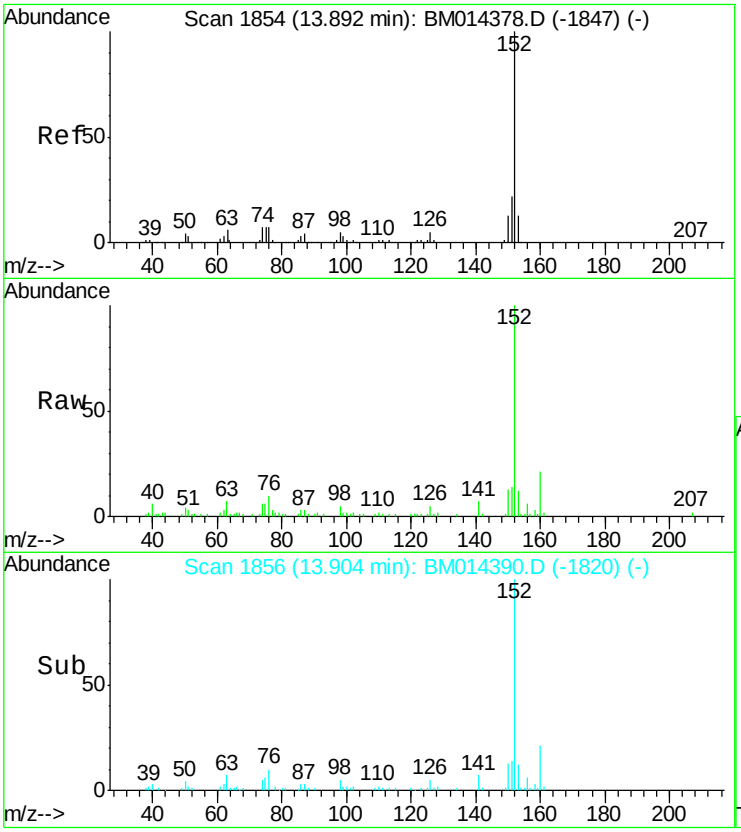




#44
Dimethylphthalate
Concen: 12.597 ng/ul
RT: 13.65 min Scan# 1813
Delta R.T. 0.01 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

Tgt Ion:163 Resp: 265481

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.6 | 3.5 | 5.3 |
| 164 | 9.2 | 8.2 | 12.4 |



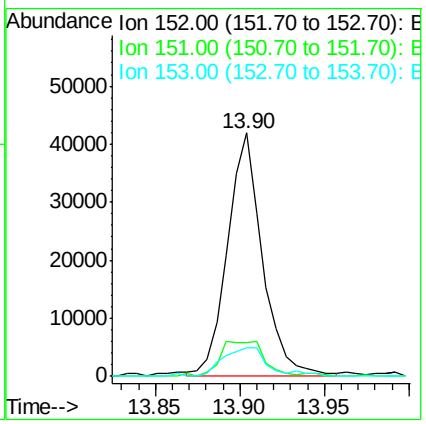


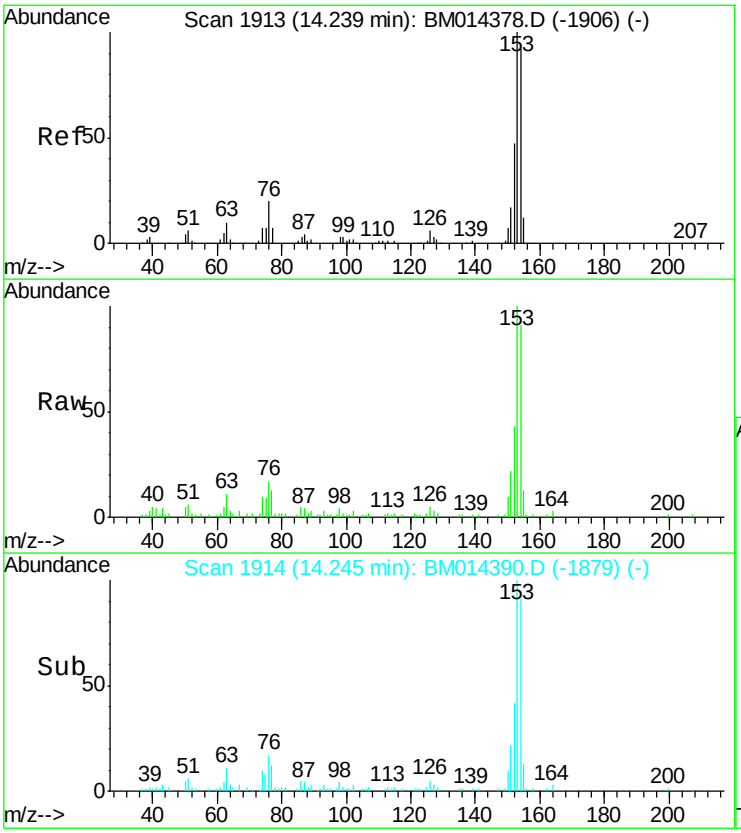

#47
Acenaphthylene
Concen: 2.420 ng/ul
RT: 13.90 min Scan# 1856
Delta R.T. 0.01 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

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

Tgt Ion:152 Resp: 60289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 13.9 | 16.3 | 24.5# |
| 153 | 11.8 | 10.2 | 15.4 |

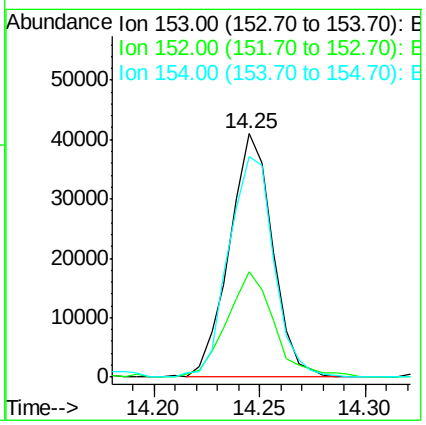


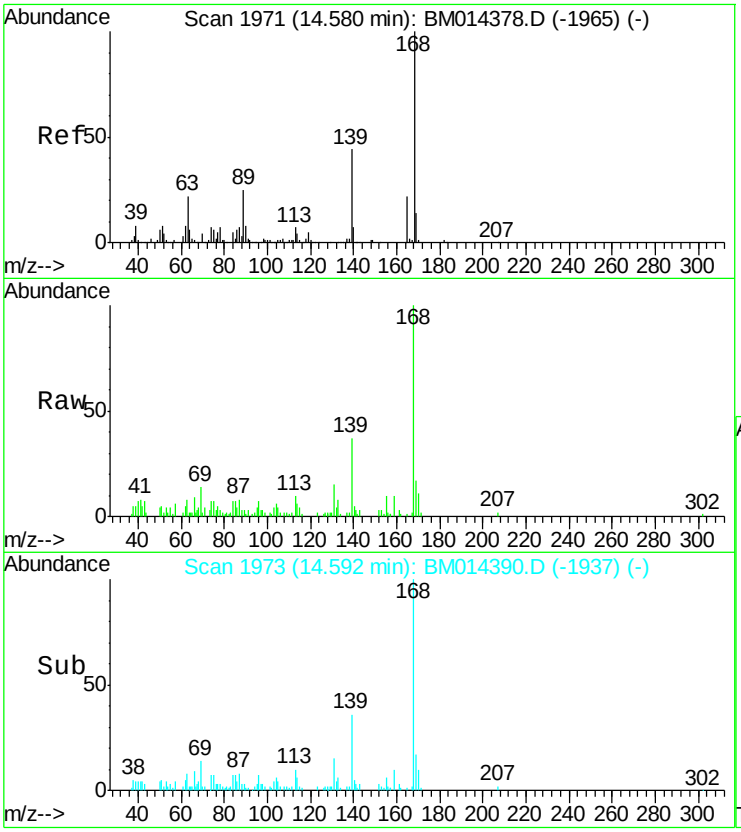




#49
Acenaphthene
Concen: 3.318 ng/ul
RT: 14.25 min Scan# 1914
Delta R.T. 0.01 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

Tgt Ion:153 Resp: 58188

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 43.1 | 37.6 | 56.4 |
| 154 | 90.5 | 70.4 | 105.6 |



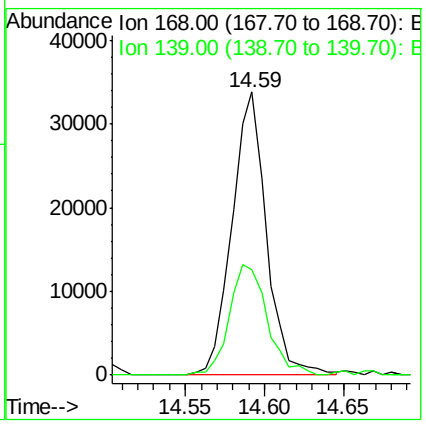


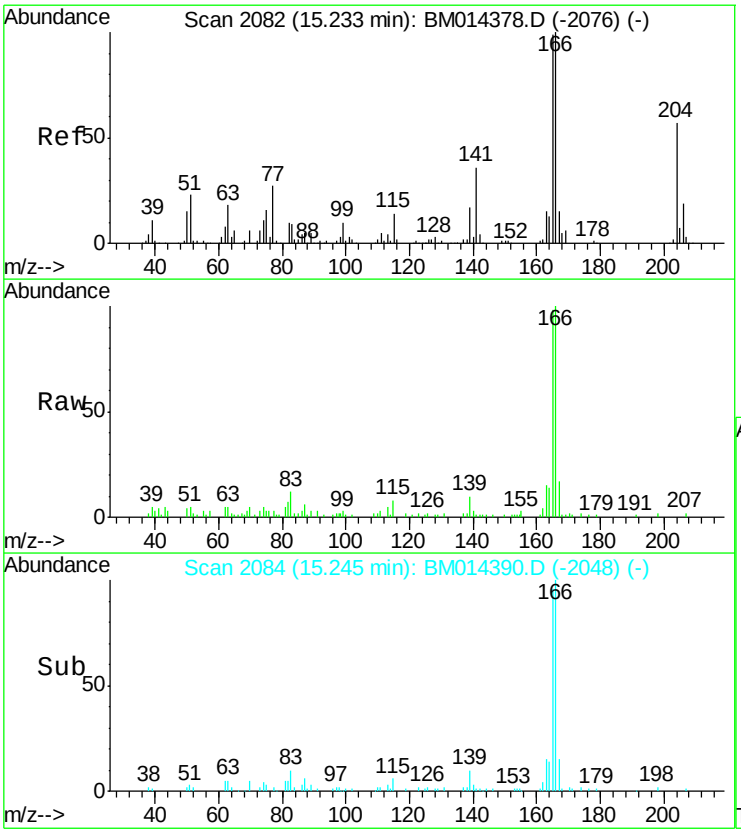

#53
Dibenzofuran
Concen: 1.934 ng/ul
RT: 14.59 min Scan# 1973
Delta R.T. 0.01 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

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

Tgt Ion:168 Resp: 50862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 37.1 | 30.8 | 46.2 |

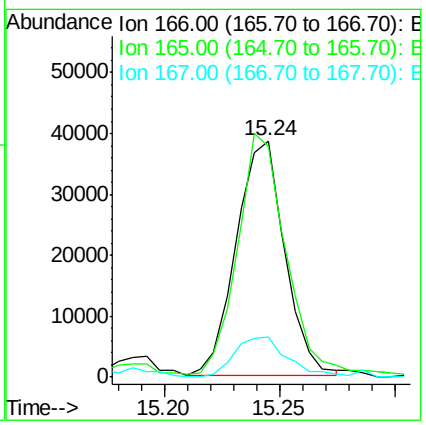


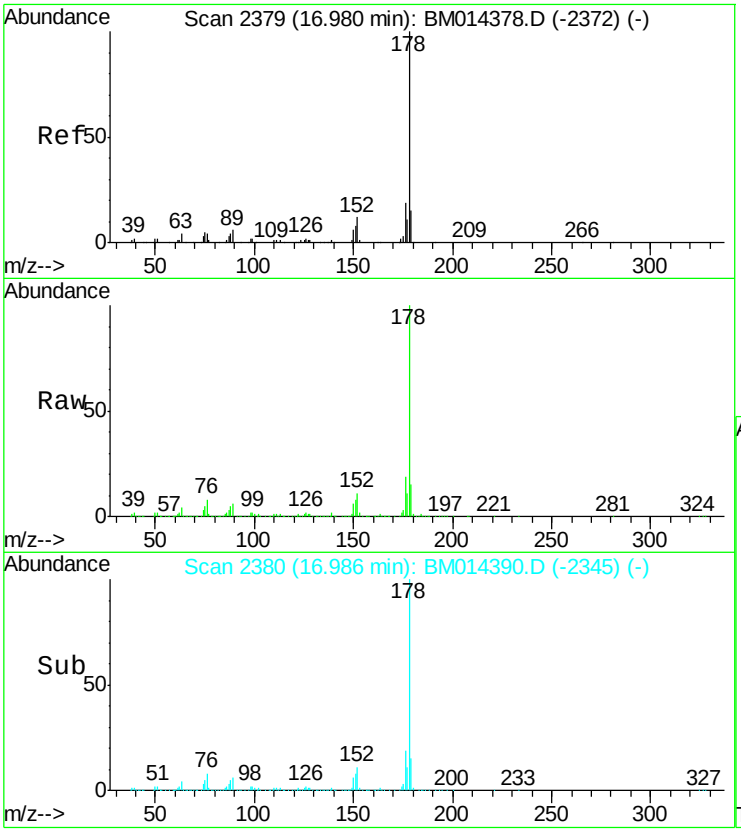




#58
Fluorene
Concen: 2.499 ng/ul
RT: 15.24 min Scan# 2084
Delta R.T. 0.01 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

Tgt Ion:166 Resp: 56749

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.6 | 77.9 | 116.9 |
| 167 | 16.9 | 10.6 | 16.0# |



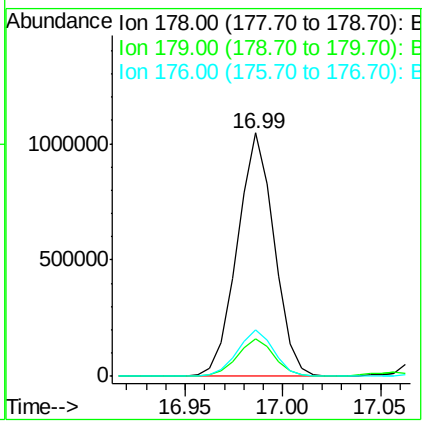


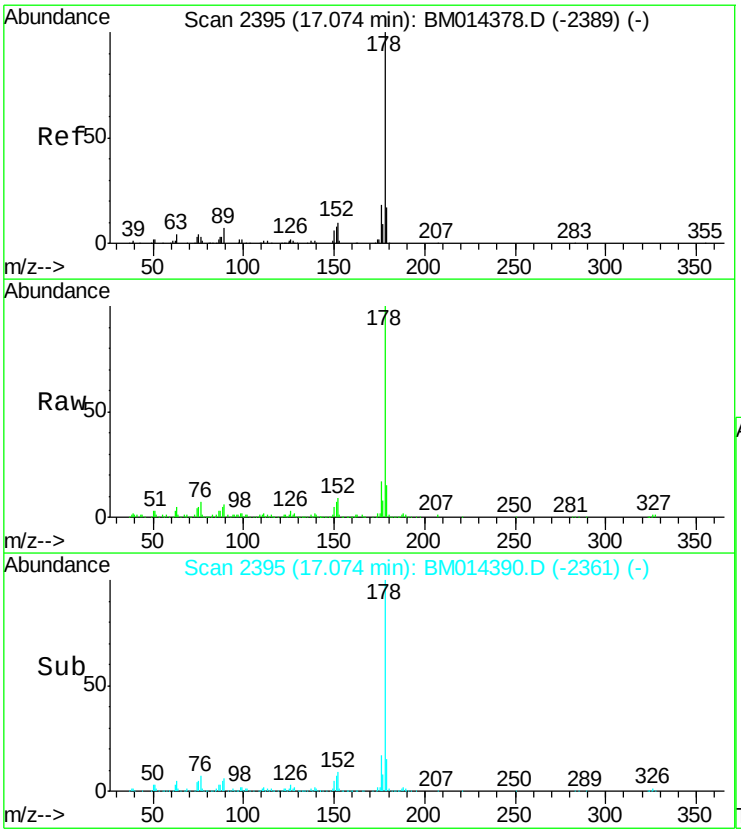

#69
Phenanthrene
Concen: 44.827 ng/ul
RT: 16.99 min Scan# 2380
Delta R.T. 0.01 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

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

Tgt Ion:178 Resp: 1362407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.2 | 12.6 | 19.0 |
| 176 | 19.1 | 14.9 | 22.3 |

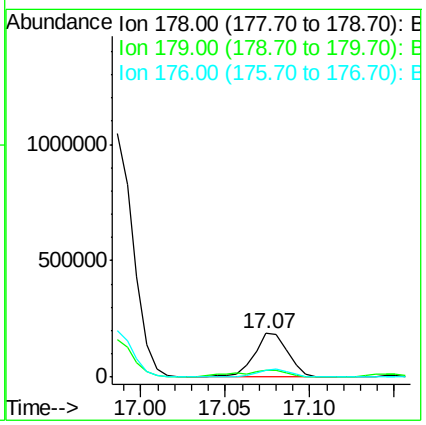


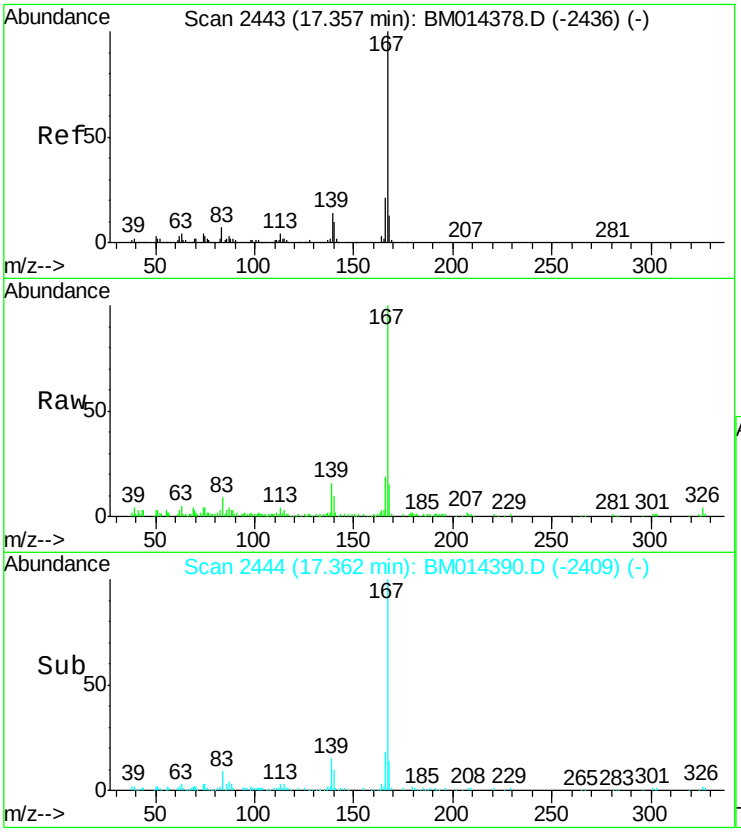




#71
Anthracene
Concen: 8.406 ng/ul
RT: 17.07 min Scan# 2395
Delta R.T. -0.00 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

Tgt Ion:178 Resp: 256930

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.3 | 11.7 | 17.5 |
| 176 | 16.8 | 14.6 | 21.8 |



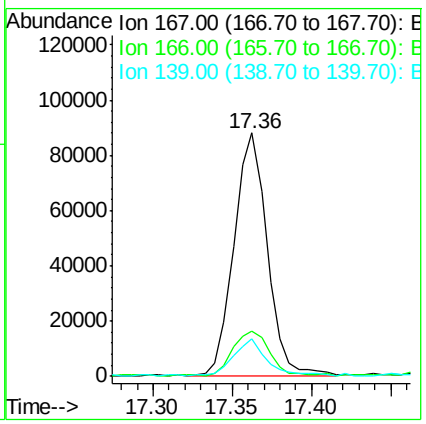


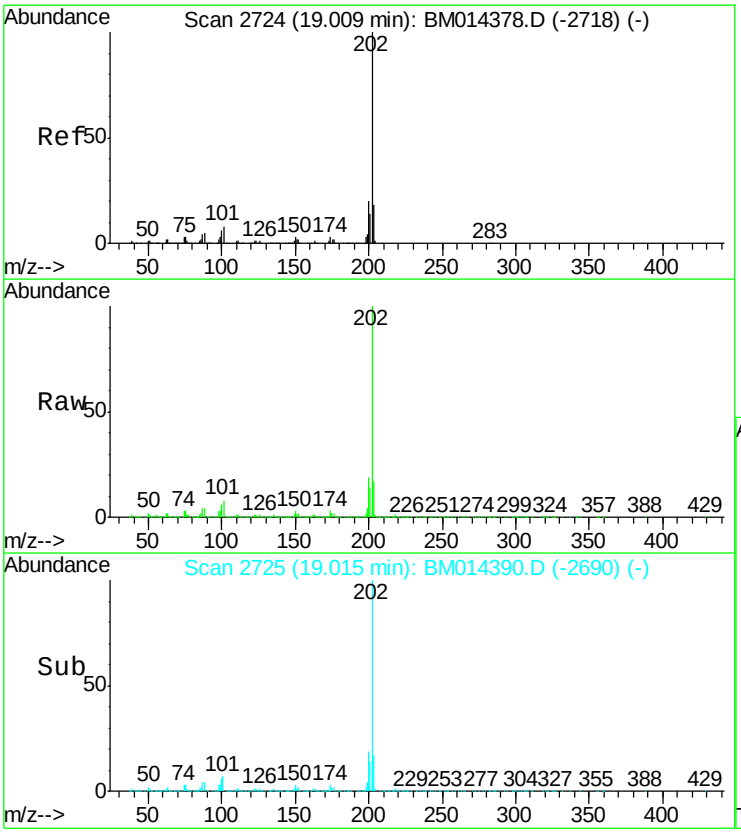

#72
Carbazole
Concen: 5.039 ng/ul
RT: 17.36 min Scan# 2444
Delta R.T. 0.01 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

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

Tgt Ion:167 Resp: 129507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 18.6 | 17.1 | 25.7 |
| 139 | 15.5 | 10.0 | 15.0# |

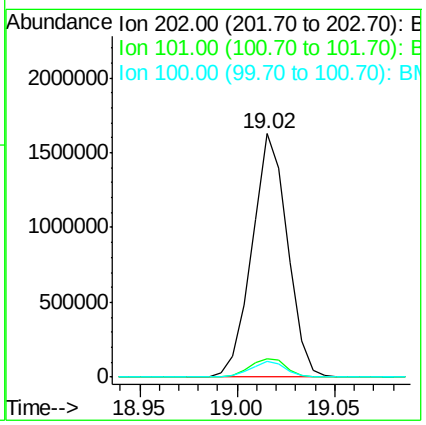


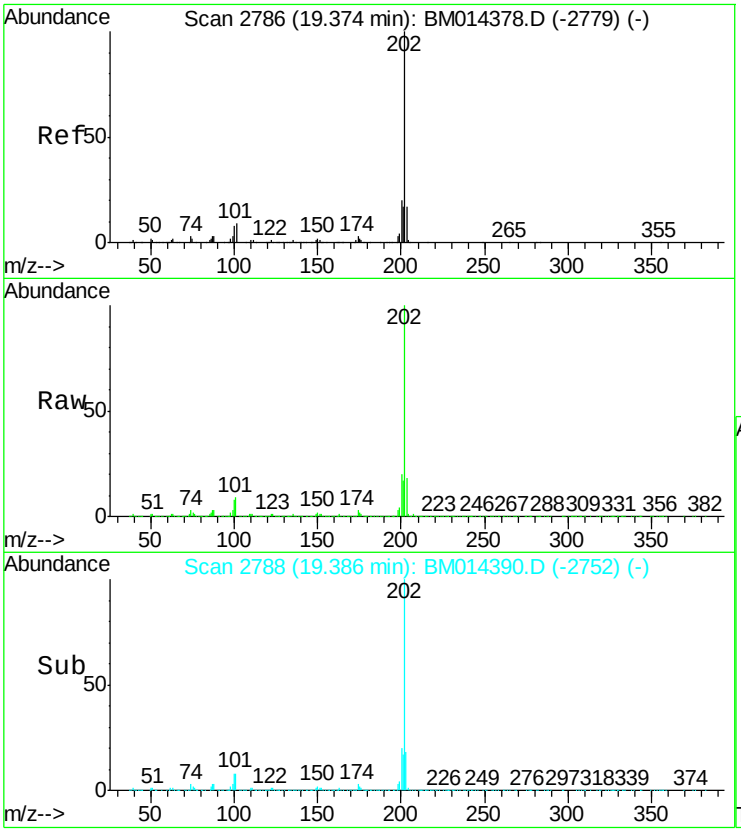




#74
Fluoranthene
Concen: 56.456 ng/ul
RT: 19.02 min Scan# 2725
Delta R.T. 0.01 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

Tgt Ion:202 Resp: 2049978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 7.6 | 4.6 | 7.0# |
| 100 | 6.4 | 3.4 | 5.2# |



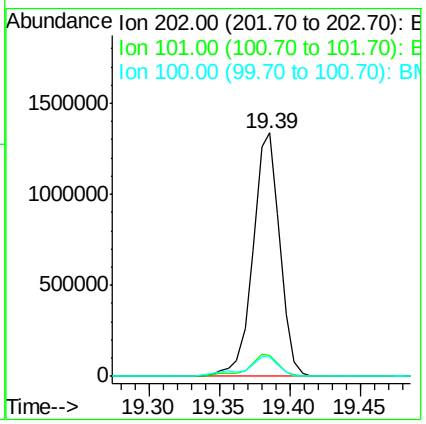


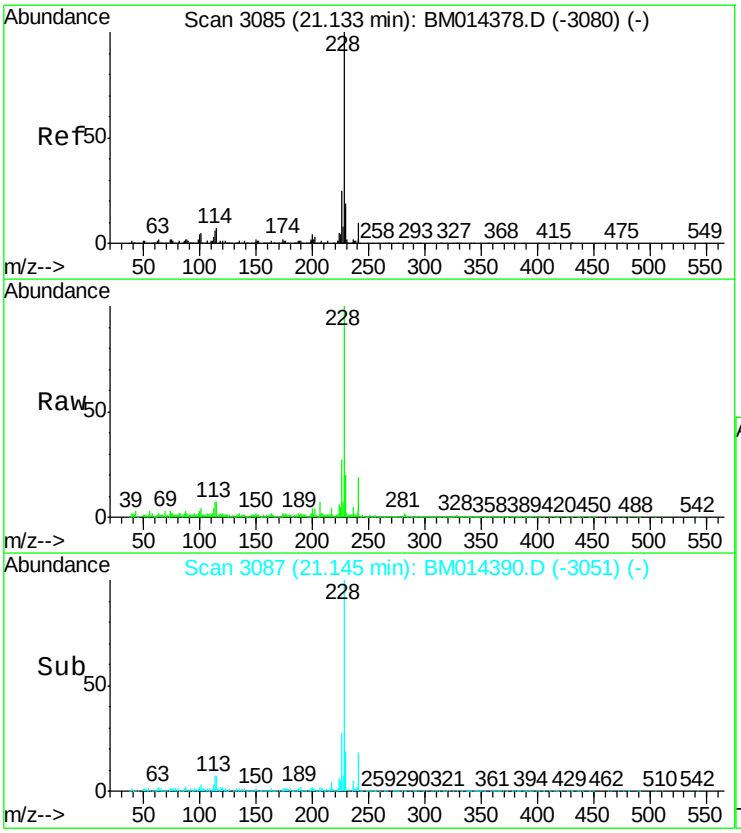

#77
Pyrene
Concen: 54.790 ng/ul
RT: 19.39 min Scan# 2788
Delta R.T. 0.01 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

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

Tgt Ion:202 Resp: 1782665

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 8.6 | 5.1 | 7.7# |
| 100 | 8.2 | 4.9 | 7.3# |

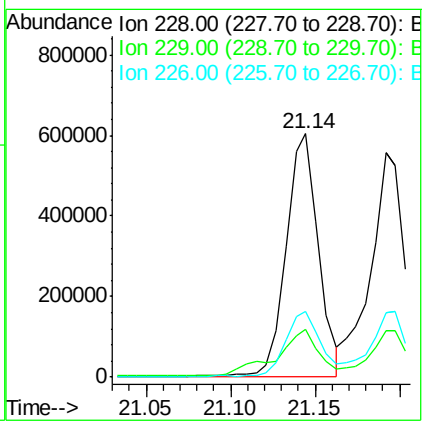


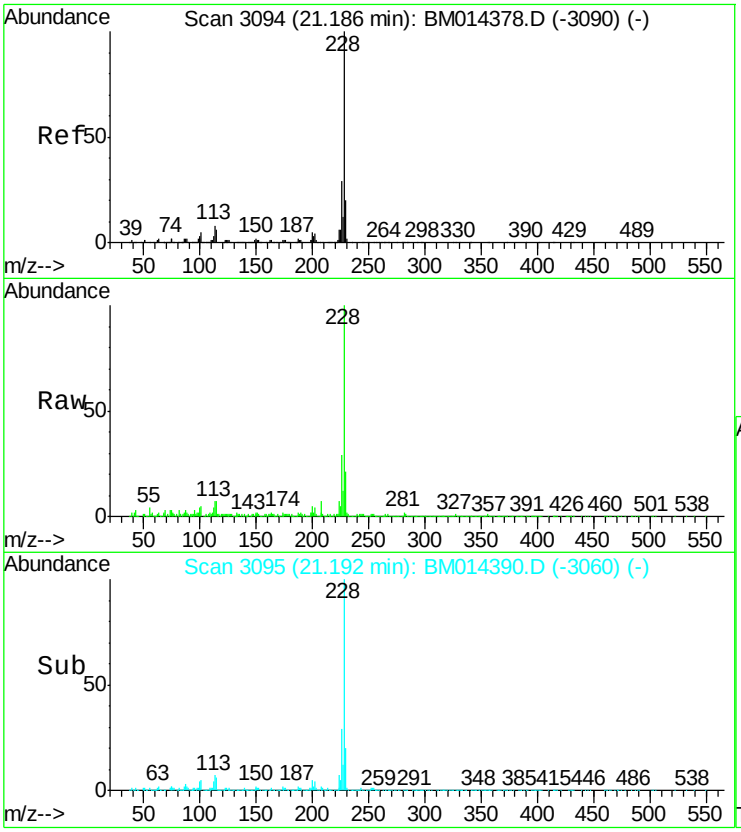




#80
Benzo(a)anthracene
Concen: 26.047 ng/ul
RT: 21.14 min Scan# 3087
Delta R.T. 0.01 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

Tgt Ion:228 Resp: 795844

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 19.5 | 15.4 | 23.0 |
| 226 | 26.9 | 21.4 | 32.0 |



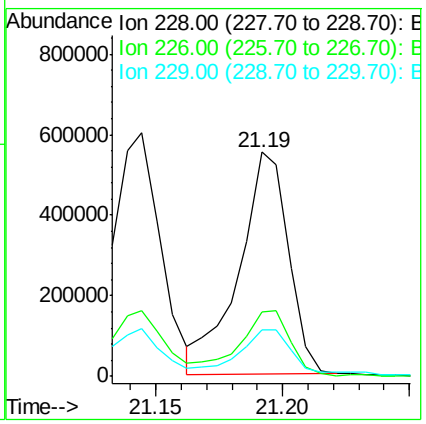


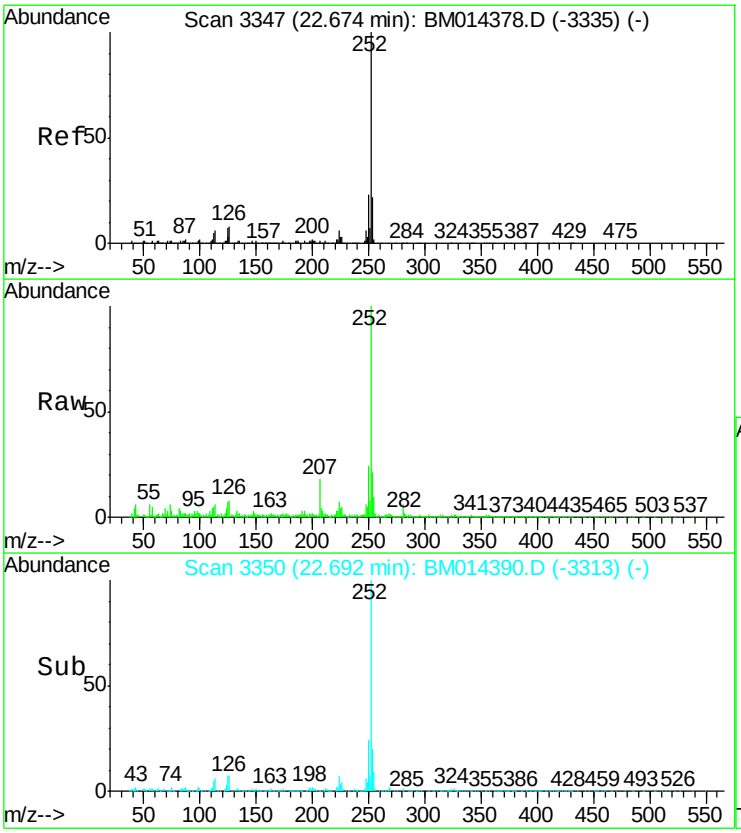

#82
Chrysene
Concen: 26.250 ng/ul
RT: 21.19 min Scan# 3095
Delta R.T. 0.01 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

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

Tgt Ion:228 Resp: 748210

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.8 | 23.4 | 35.2 |
| 229 | 20.9 | 15.5 | 23.3 |

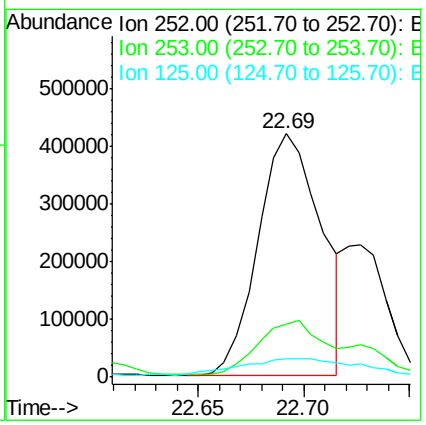


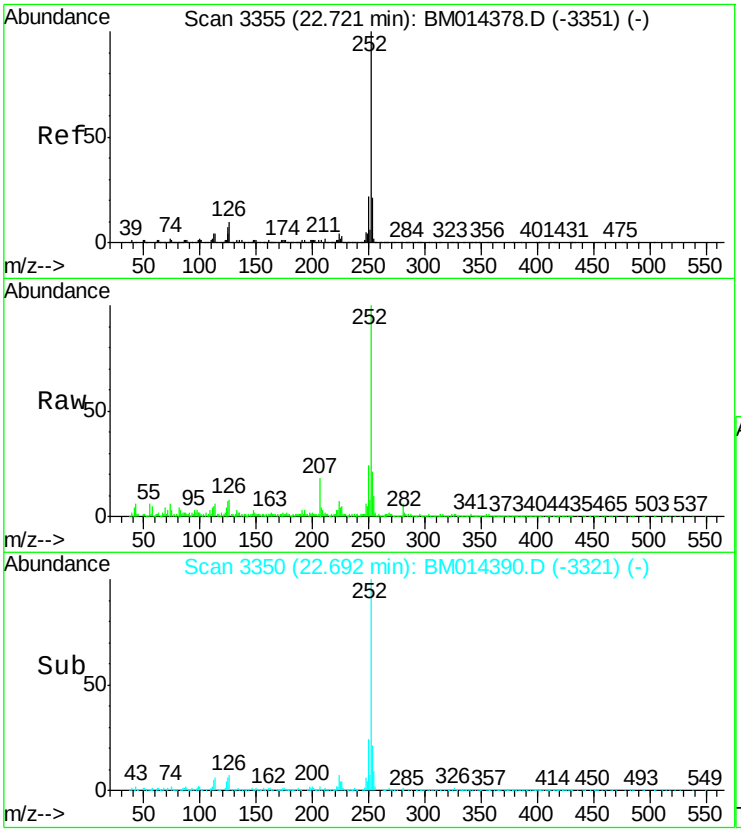




#85
Benzo(b)fluoranthene
Concen: 26.958 ng/ul
RT: 22.69 min Scan# 3350
Delta R.T. 0.02 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

Tgt Ion:252 Resp: 871172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.9 | 26.9 |
| 125 | 7.3 | 3.6 | 5.4# |



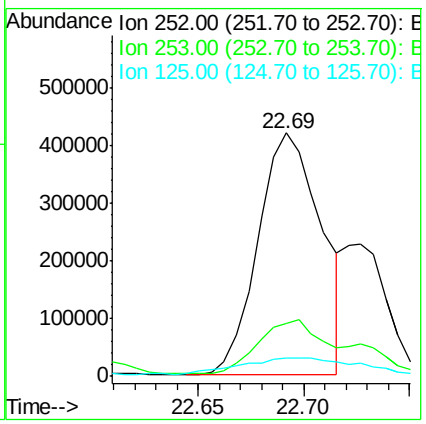


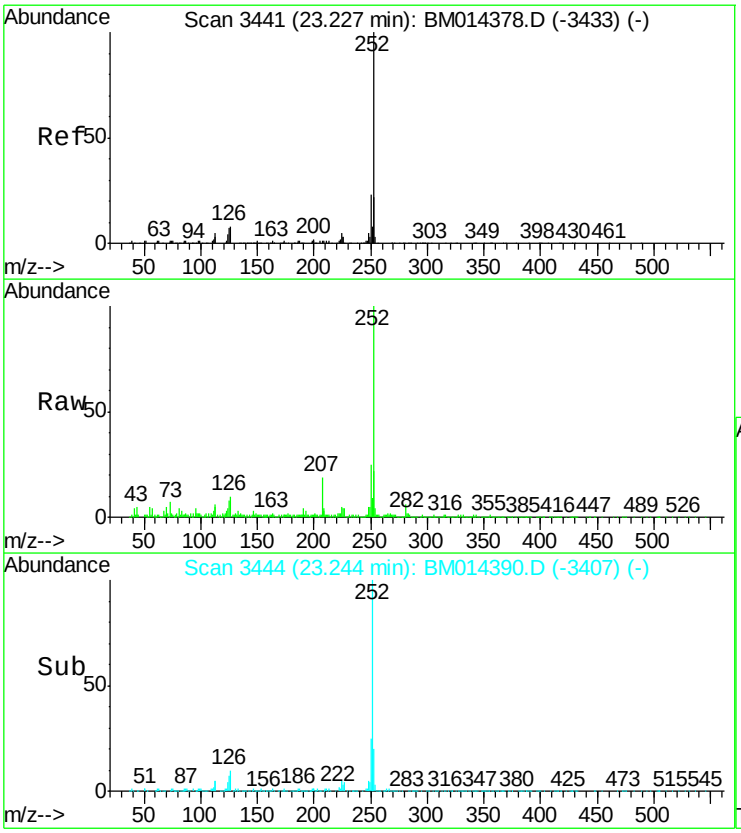

#86
Benzo(k)fluoranthene
Concen: 28.355 ng/ul
RT: 22.69 min Scan# 3350
Delta R.T. -0.03 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

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

Tgt Ion:252 Resp: 871172

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.5 | 17.1 | 25.7 |
| 125 | 7.3 | 3.4 | 5.2# |

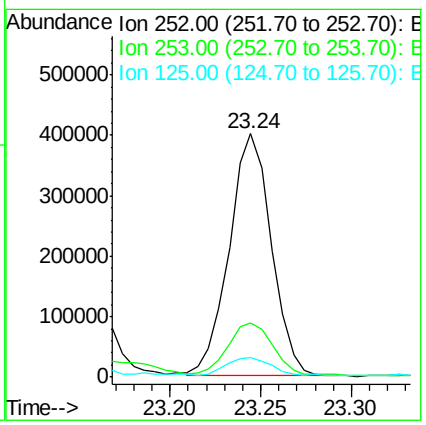


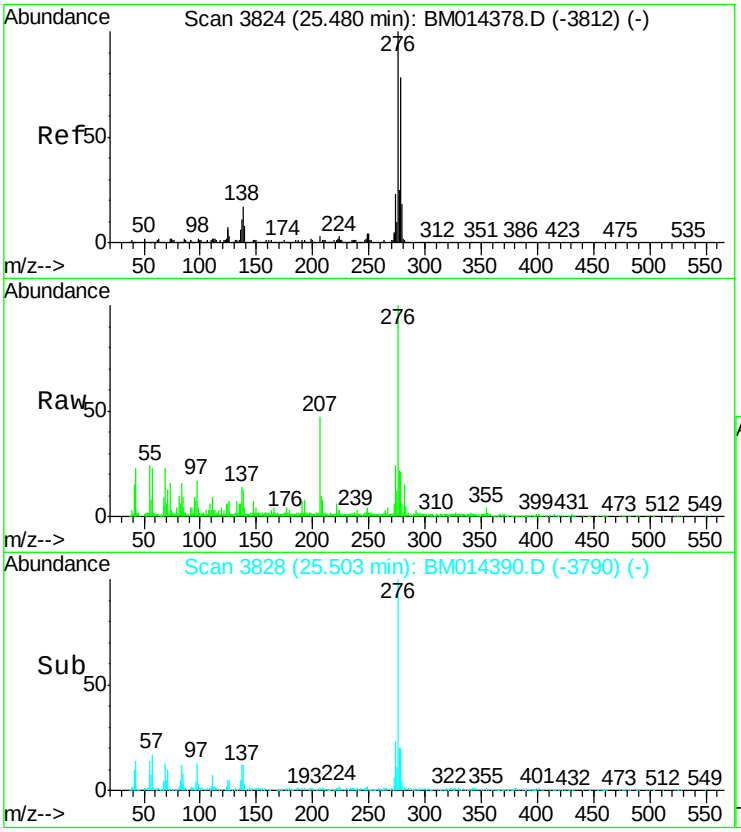




#88
Benzo(a)pyrene
Concen: 22.430 ng/ul
RT: 23.24 min Scan# 3444
Delta R.T. 0.02 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

Tgt Ion:252 Resp: 647718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.2 | 18.2 | 27.2 |
| 125 | 7.9 | 4.0 | 6.0# |



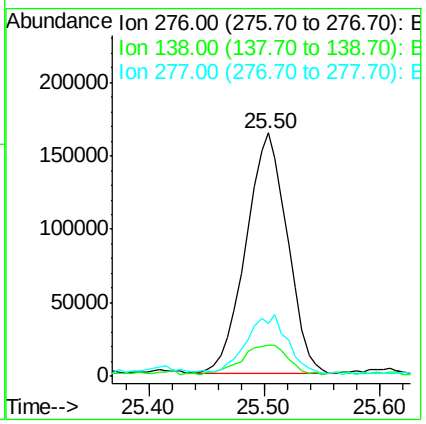


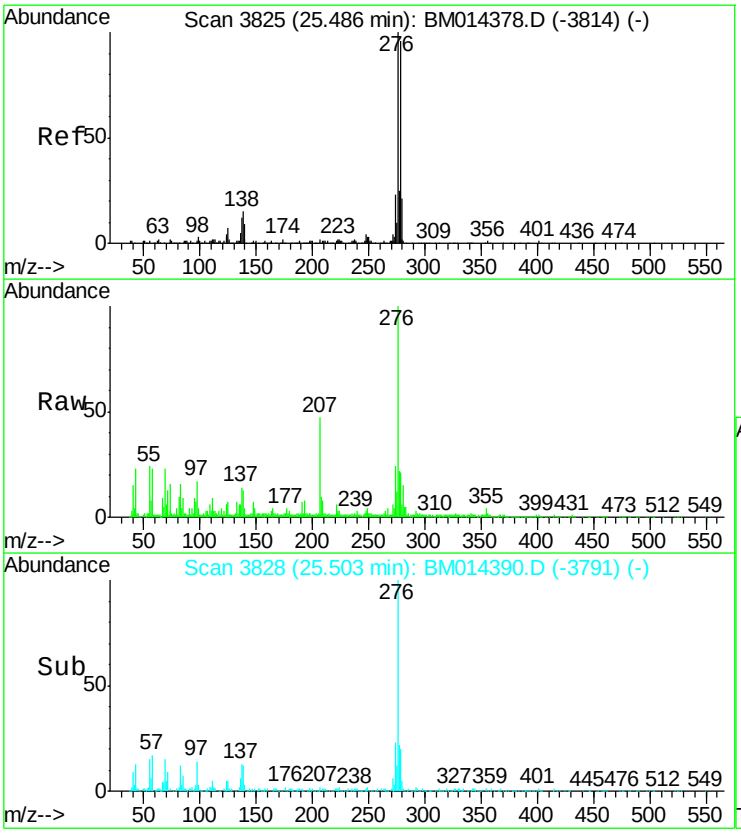

#89
Indeno(1,2,3-cd)pyrene
Concen: 14.655 ng/ul
RT: 25.50 min Scan# 3828
Delta R.T. 0.02 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

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

Tgt Ion:276 Resp: 410660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 12.9 | 9.3 | 13.9 |
| 277 | 21.8 | 19.9 | 29.9 |

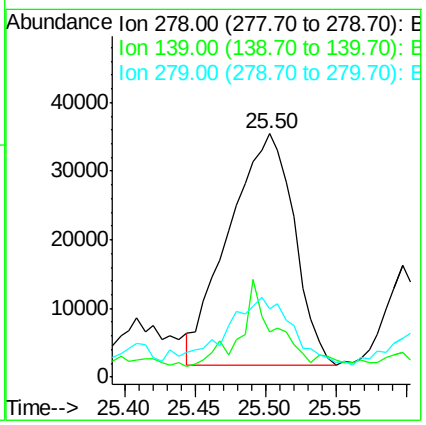


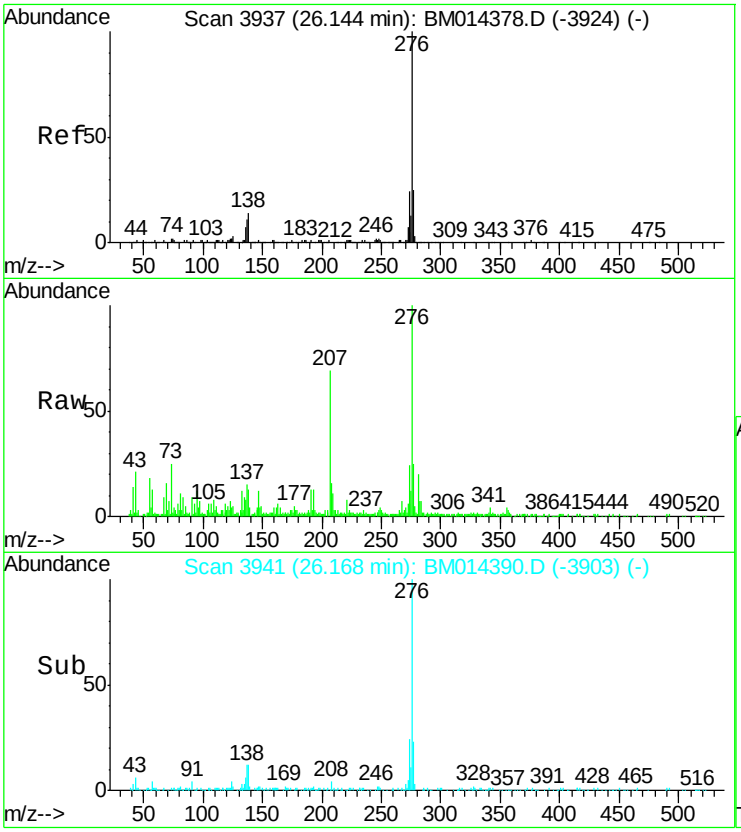




#90
Dibenzo(a,h)anthracene
Concen: 4.684 ng/ul
RT: 25.50 min Scan# 3828
Delta R.T. 0.02 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

Tgt Ion:278 Resp: 109071

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.5 | 5.8 | 8.8# |
| 279 | 27.9 | 18.6 | 27.8# |






#91
Benzo(g,h,i)perylene
Concen: 13.735 ng/ul
RT: 26.17 min Scan# 3941
Delta R.T. 0.02 min
Lab File: BM014390.D
Acq: 27 Feb 2018 19:38

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

Tgt Ion:276 Resp: 311786

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 12.7 | 8.5 | 12.7 |
| 277 | 24.5 | 18.6 | 28.0 |