Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\

Quantitation Report (Not Reviewed)

Data File : BM017337.D
Acq On : 25 Oct 2018 03:09
Operator : MJ/SJ
Sample : J5598-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AE4

Quant Time: Oct 25 08:25:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 25 02:39:26 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.65 | 152 | 323534 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.43 | 136 | 1486190 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.30 | 164 | 875058 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.05 | 188 | 2023944 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.24 | 240 | 2298903 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.46 | 264 | 2151200 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.22 | 96 | 18257 | 2.60 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.83 | 99 | 504003 | 17.05 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.00 | 67 | 286302 | 16.61 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.19 | 132 | 415240 | 18.12 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.36 | 113 | 390062 | 16.69 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.80 | 128 | 203740 | 17.54 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.52 | 143 | 234923 | 18.03 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.06 | 165 | 415811 | 17.19 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.57 | 131 | 382517 | 19.37 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.72 | 166 | 1290874 | 17.20 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 13.99 | 160 | 1617867 | 17.76 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.52 | 143 | 194551 | 13.88 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.29 | 176 | 1117437 | 17.15 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.42 | 200 | 192512 | 13.65 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.14 | 188 | 1762570 | 17.59 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.45 | 212 | 1995694 | 18.74 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.32 | 264 | 2057765 | 18.11 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 6) Phenol | 6.86 | 94 | 161969 | 5.519 | ng/ul | 99 |
| 28) Naphthalene | 10.48 | 128 | 894694 | 11.508 | ng/ul | 100 |
| 30) 4-Chloroaniline | 10.48 | 127 | 115644 | 5.727 | ng/ul# | 12 |
| 34) 2-Methylnaphthalene | 12.10 | 142 | 270812 | 4.740 | ng/ul | 97 |
| 35) 1-Methylnaphthalene | 12.32 | 142 | 134926 | 2.463 | ng/ul | 99 |
| 45) Dimethylphthalate | 13.76 | 163 | 331311 | 4.557 | ng/ul | 99 |
| 48) Acenaphthylene | 14.02 | 152 | 404215 | 4.727 | ng/ul | 99 |
| 50) Acenaphthene | 14.36 | 153 | 68620 | 1.121 | ng/ul | 99 |
| 54) Dibenzofuran | 14.70 | 168 | 385699 | 4.447 | ng/ul | 96 |
| 70) Phenanthrene | 17.09 | 178 | 1388687 | 11.949 | ng/ul | 100 |
| 72) Anthracene | 17.18 | 178 | 1485095 | 12.581 | ng/ul | 100 |
| 75) Carbazole | 17.46 | 167 | 492779 | 4.774 | ng/ul | 99 |
| 77) Fluoranthene | 19.12 | 202 | 5241089 | 39.341 | ng/ul | 98 |
| 80) Pyrene | 19.48 | 202 | 5677098 | 42.526 | ng/ul | 98 |
| 83) Benzo(a)anthracene | 21.23 | 228 | 2959897 | 21.040 | ng/ul | 94 |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149 | 111268 | 1.429 | ng/ul | 98 |
| 85) Chrysene | 21.29 | 228 | 3951315 | 29.537 | ng/ul | 98 |
| 88) Benzo(b)fluoranthene | 22.81 | 252 | 7962098 | 63.231 | ng/ul | 98 |
| 89) Benzo(k)fluoranthene | 22.81 | 252 | 7962098 | 64.732 | ng/ul | 98 |
| 91) Benzo(a)pyrene | 23.37 | 252 | 3285248 | 26.705 | ng/ul | 98 |
| 92) Indeno(1,2,3-cd)pyrene | 25.67 | 276 | 2727282 | 18.221 | ng/ul | 96 |
| 93) Dibenzo(a,h)anthracene | 25.77 | 278 | 171867 | 1.375 | ng/ul | 93 |
| 94) Benzo(g,h,i)perylene | 26.34 | 276 | 2110058 | 16.594 | ng/ul | 99 |

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\

Quantitation Report (Not Reviewed)

Data File : BM017337.D
Acq On : 25 Oct 2018 03:09
Operator : MJ/SJ
Sample : J5598-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AE4

Quant Time: Oct 25 08:25:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 25 02:39:26 2018
Response via : Initial Calibration

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

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

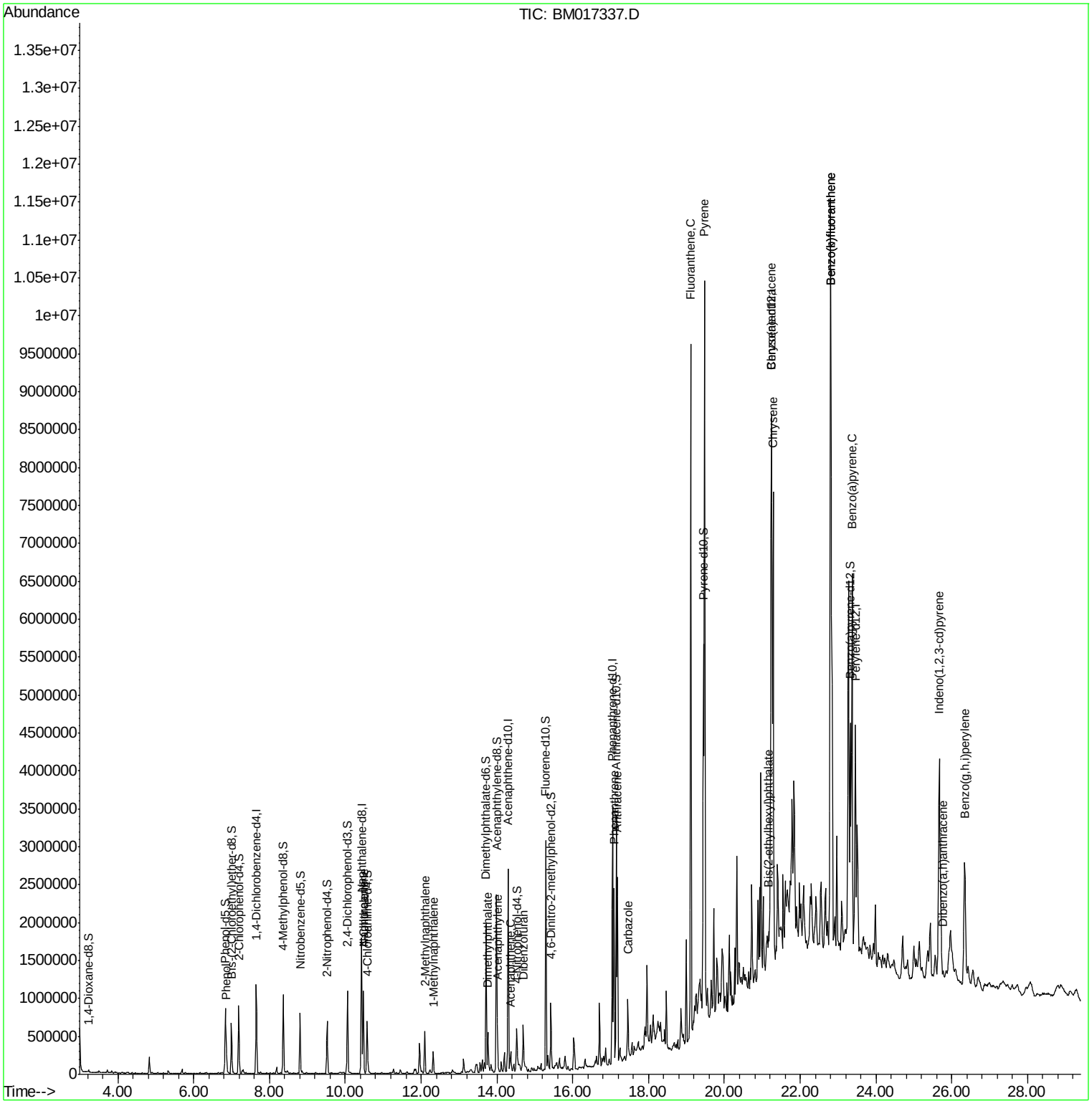
Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM102418\

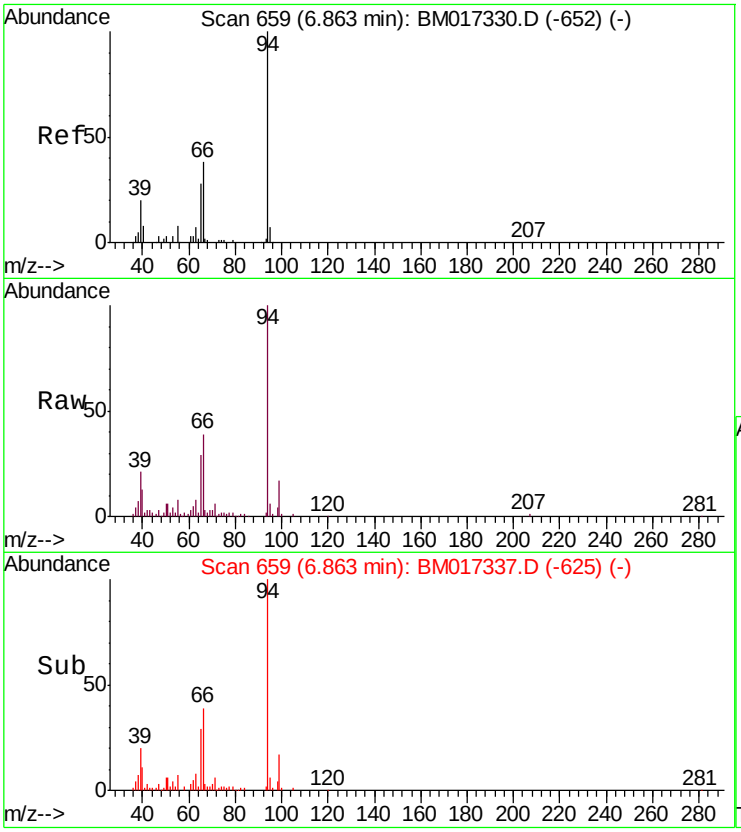
Quantitation Report (Not Reviewed)

Data File : BM017337.D
Acq On : 25 Oct 2018 03:09
Operator : MJ/SJ
Sample : J5598-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** C0AE4

Quant Time: Oct 25 08:25:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102418MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 25 02:39:26 2018
Response via : Initial Calibration



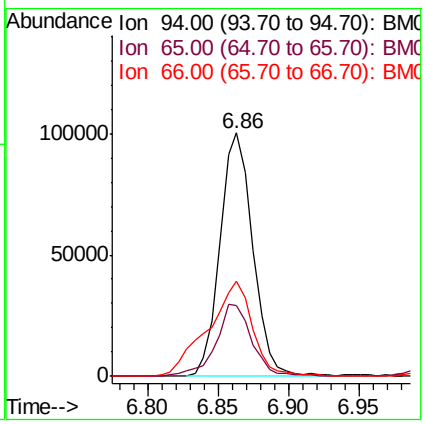


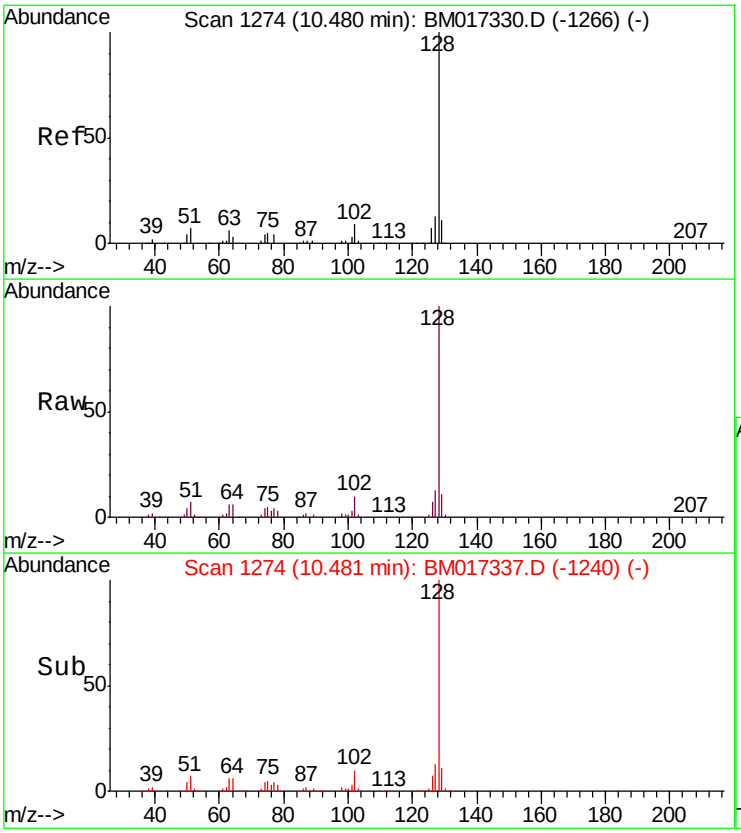

#6
Phenol
Concen: 5.519 ng/ul
RT: 6.86 min Scan# 659
Delta R.T. 0.00 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

**Instrument :**
BNA_M
**ClientSampleId :**
C0AE4

Tgt Ion: 94 Resp: 161969

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.2 | 24.0 | 36.0 |
| 66 | 39.1 | 31.1 | 46.7 |

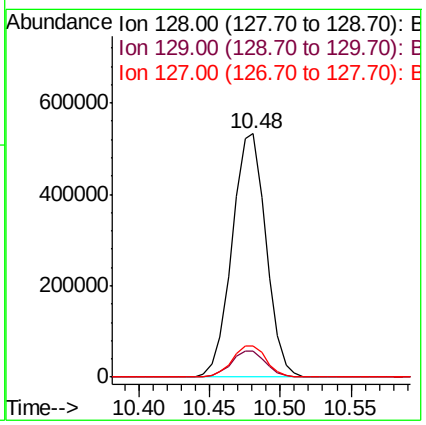


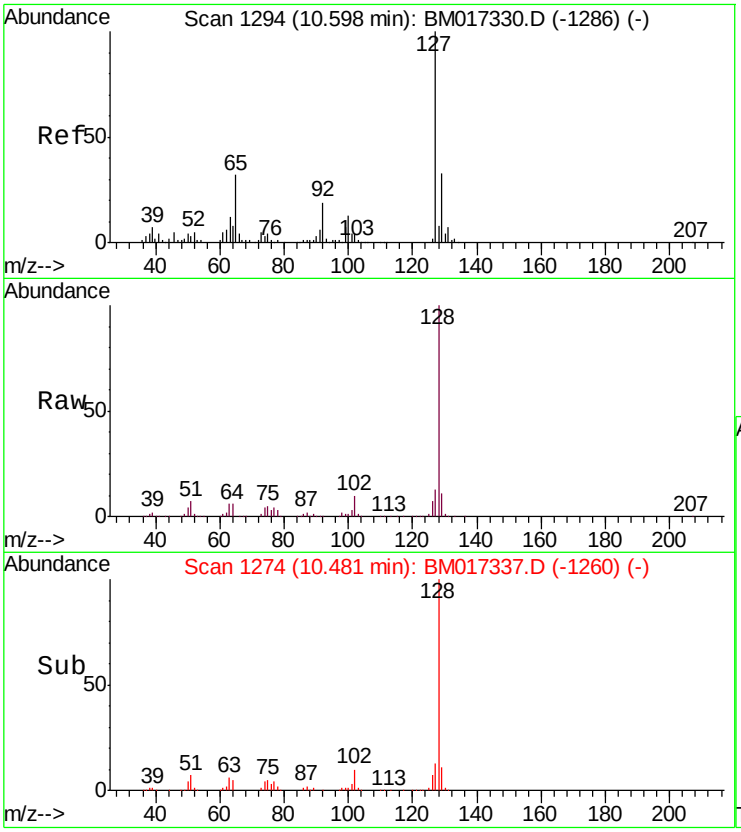




#28
Naphthalene
Concen: 11.508 ng/ul
RT: 10.48 min Scan# 1274
Delta R.T. 0.00 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

Tgt Ion:128 Resp: 894694

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.6 | 12.8 |
| 127 | 13.0 | 10.3 | 15.5 |



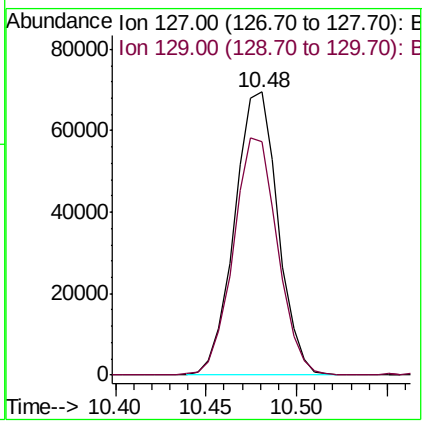


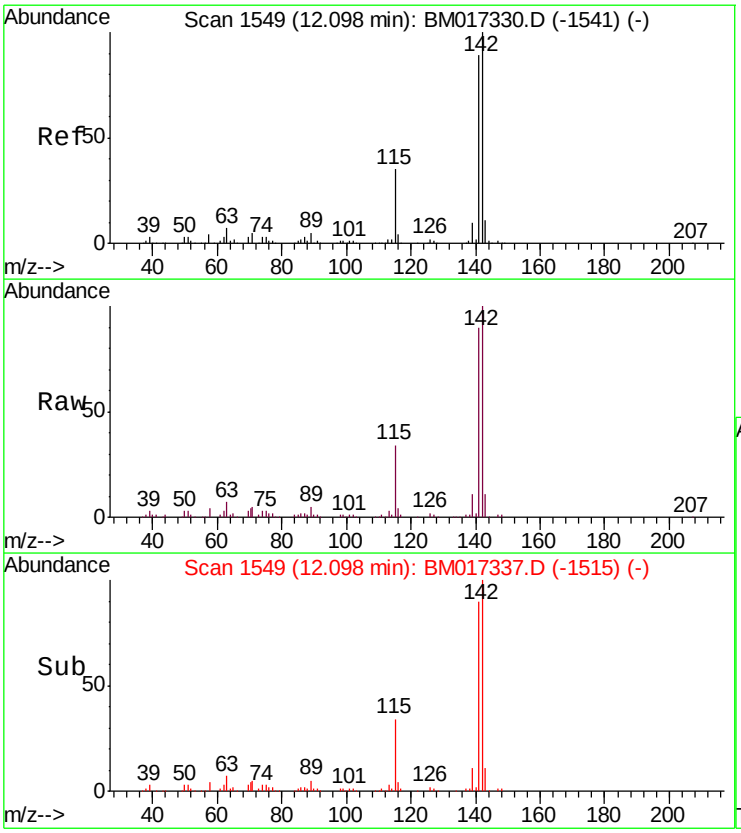

#30
4-Chloroaniline
Concen: 5.727 ng/ul
RT: 10.48 min Scan# 1274
Delta R.T. -0.12 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

**Instrument :**
BNA_M
**ClientSampleId :**
C0AE4

Tgt Ion:127 Resp: 115644

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 82.7 | 26.2 | 39.4# |

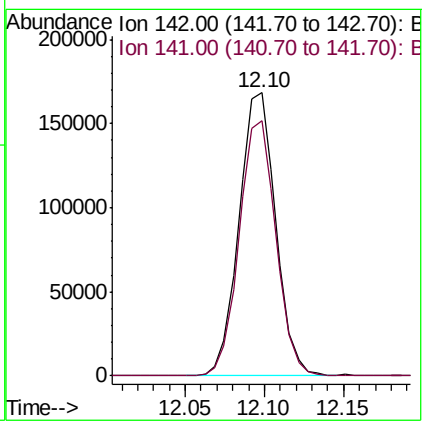


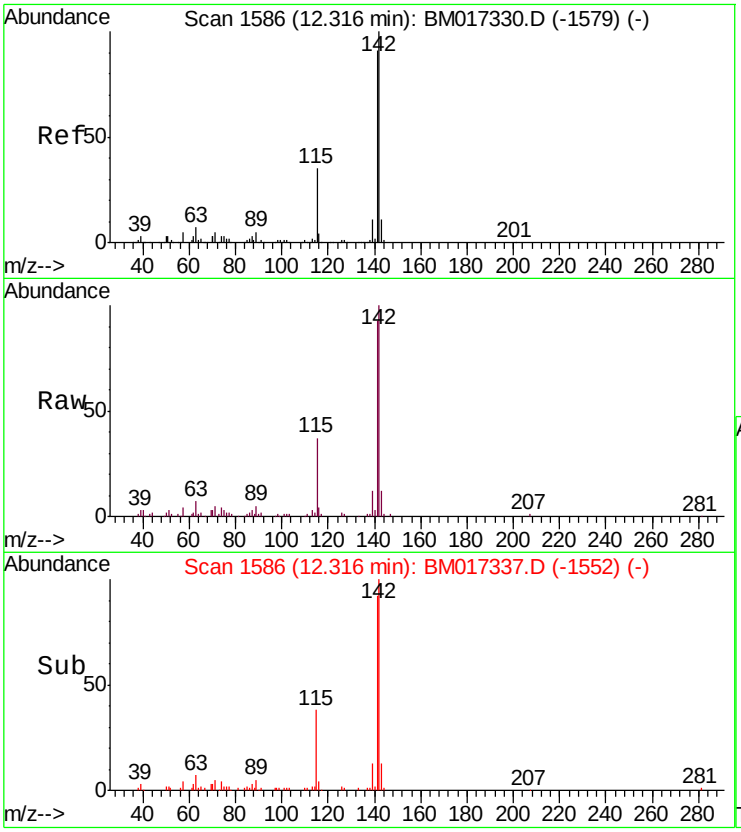




#34
2-Methylnaphthalene
Concen: 4.740 ng/ul
RT: 12.10 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

Tgt Ion:142 Resp: 270812

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.4 | 70.4 | 105.6 |



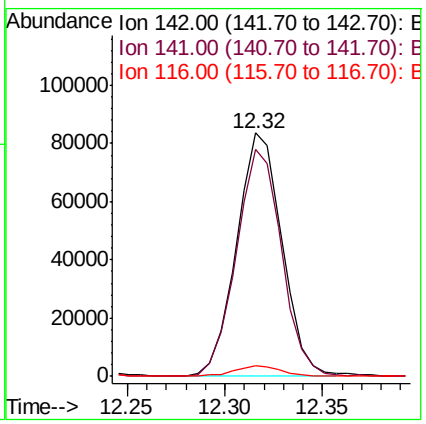


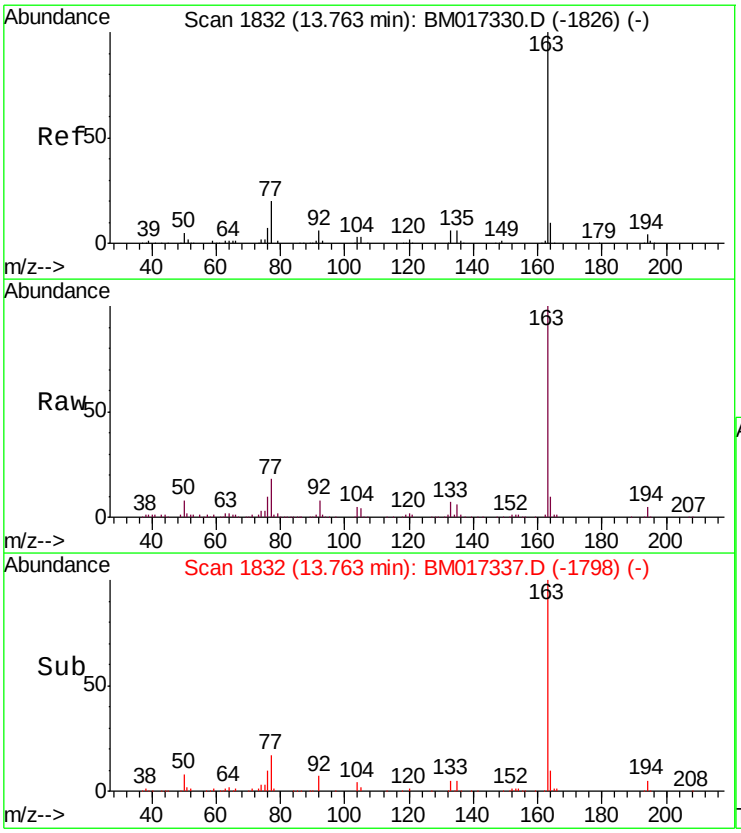

#35
1-Methylnaphthalene
Concen: 2.463 ng/ul
RT: 12.32 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

**Instrument :**
BNA_M
**ClientSampleId :**
C0AE4

Tgt Ion:142 Resp: 134926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 93.4 | 73.9 | 110.9 |
| 116 | 4.3 | 3.0 | 4.6 |

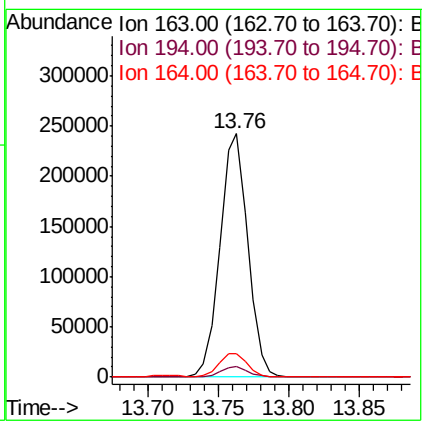


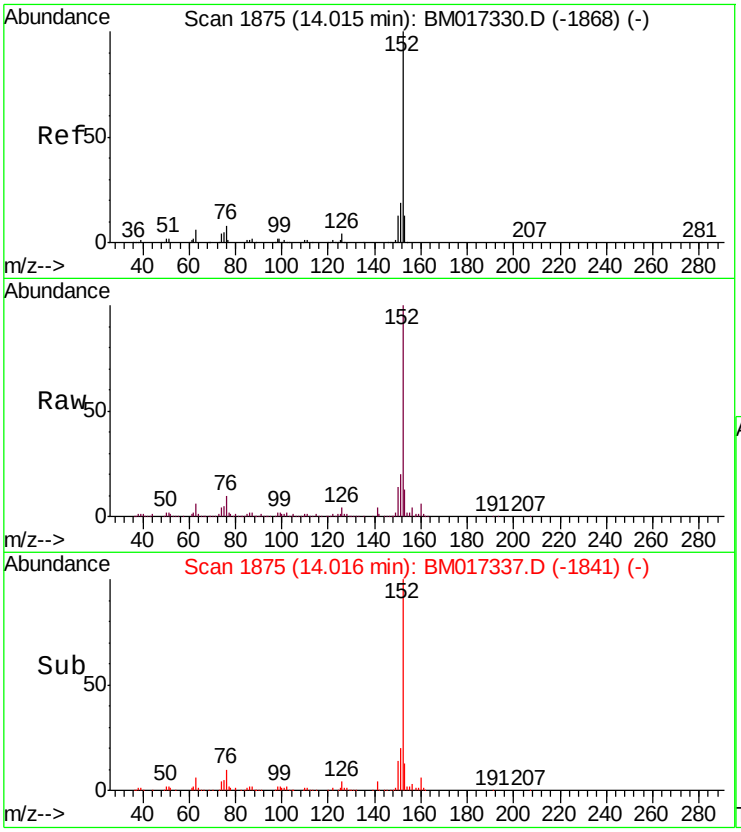




#45
Dimethylphthalate
Concen: 4.557 ng/ul
RT: 13.76 min Scan# 1832
Delta R.T. 0.00 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

Tgt Ion:163 Resp: 331311

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.6 | 3.2 | 4.8 |
| 164 | 9.8 | 8.1 | 12.1 |



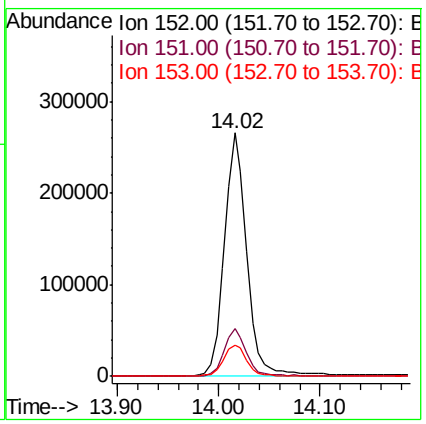


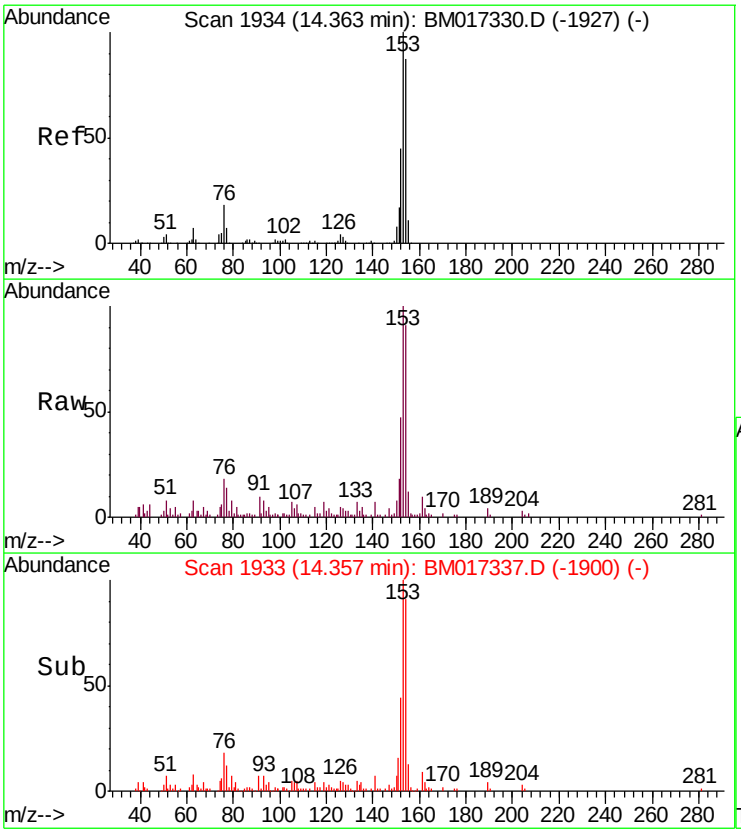

#48
Acenaphthylene
Concen: 4.727 ng/ul
RT: 14.02 min Scan# 1875
Delta R.T. 0.00 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

**Instrument :**
BNA_M
**ClientSampleId :**
C0AE4

Tgt Ion:152 Resp: 404215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.5 | 15.3 | 22.9 |
| 153 | 13.0 | 10.2 | 15.4 |

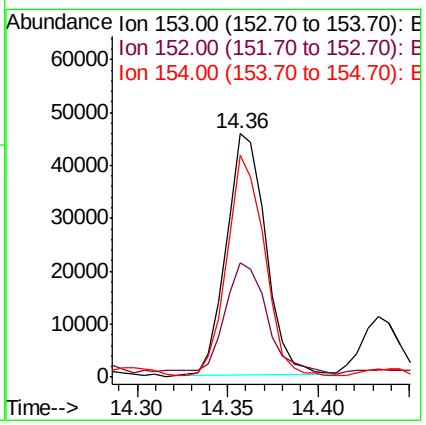


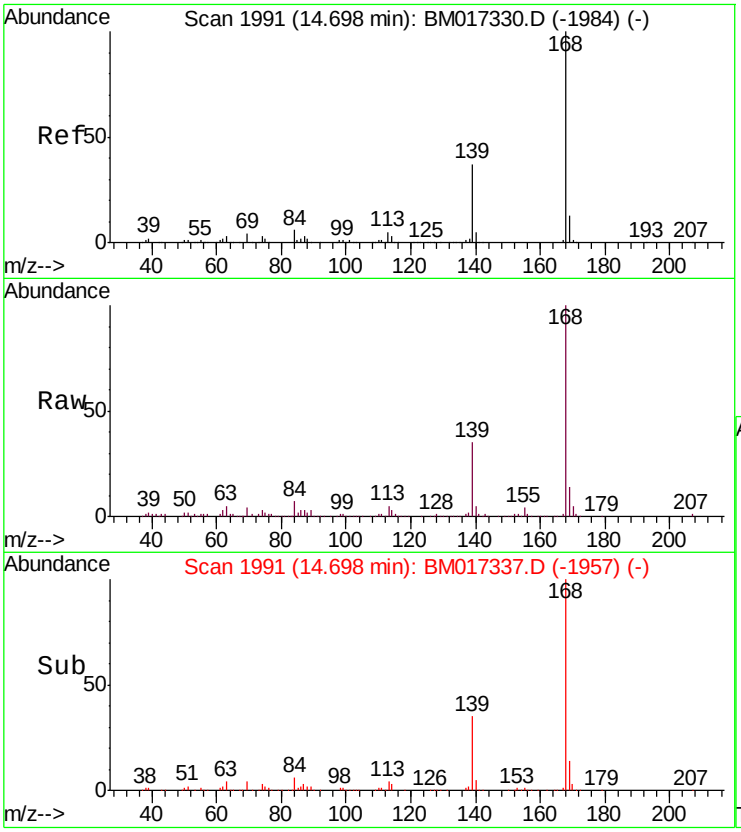




#50
Acenaphthene
Concen: 1.121 ng/ul
RT: 14.36 min Scan# 1933
Delta R.T. -0.01 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

Tgt Ion:153 Resp: 68620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 47.0 | 36.9 | 55.3 |
| 154 | 90.9 | 72.2 | 108.4 |



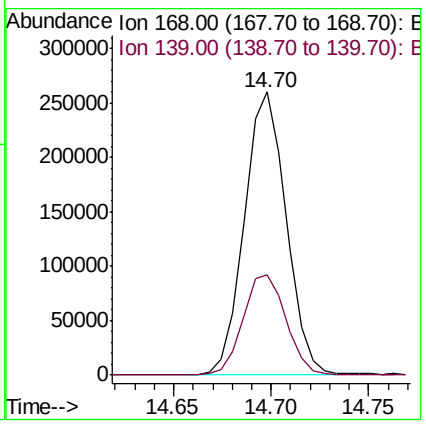


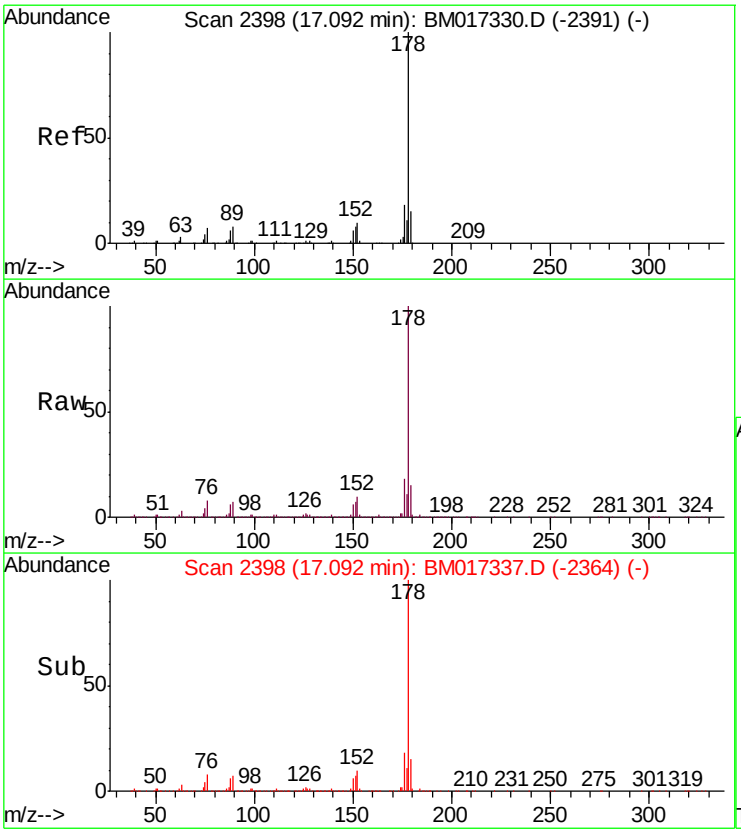

#54
Dibenzofuran
Concen: 4.447 ng/ul
RT: 14.70 min Scan# 1991
Delta R.T. 0.00 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

**Instrument :**
BNA_M
**ClientSampleId :**
C0AE4

Tgt Ion:168 Resp: 385699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 35.3 | 30.1 | 45.1 |

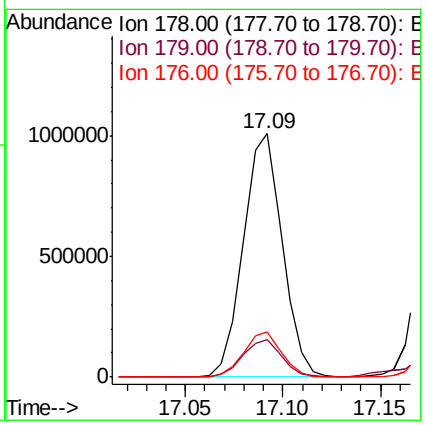


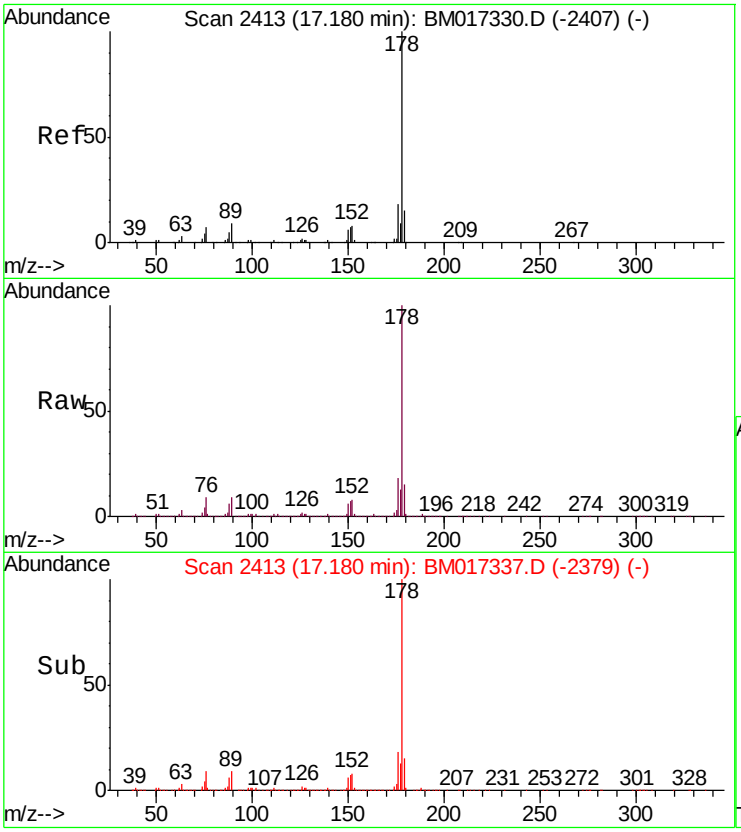




#70
Phenanthrene
Concen: 11.949 ng/ul
RT: 17.09 min Scan# 2398
Delta R.T. 0.00 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

Tgt Ion:178 Resp: 1388687

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.3 | 12.2 | 18.2 |
| 176 | 18.4 | 14.9 | 22.3 |



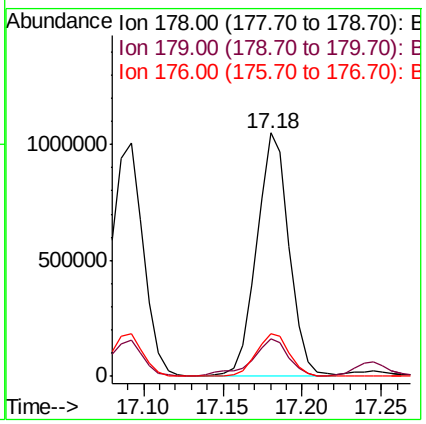


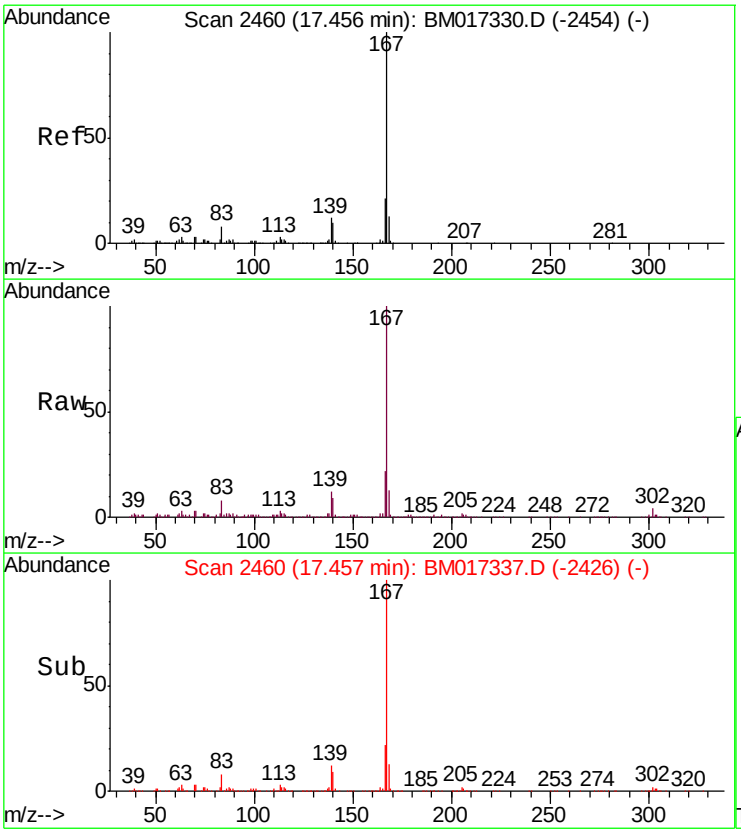

#72
Anthracene
Concen: 12.581 ng/ul
RT: 17.18 min Scan# 2413
Delta R.T. 0.00 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

**Instrument :**
BNA_M
**ClientSampleId :**
C0AE4

Tgt Ion:178 Resp: 1485095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.2 | 12.2 | 18.2 |
| 176 | 17.7 | 14.2 | 21.2 |

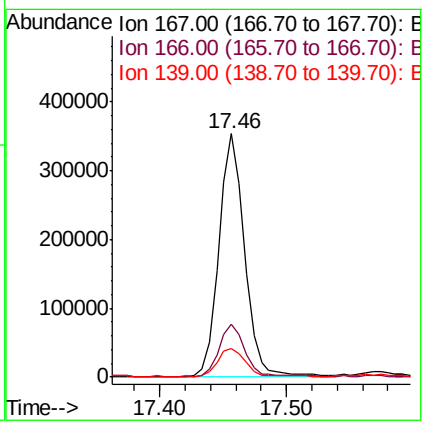


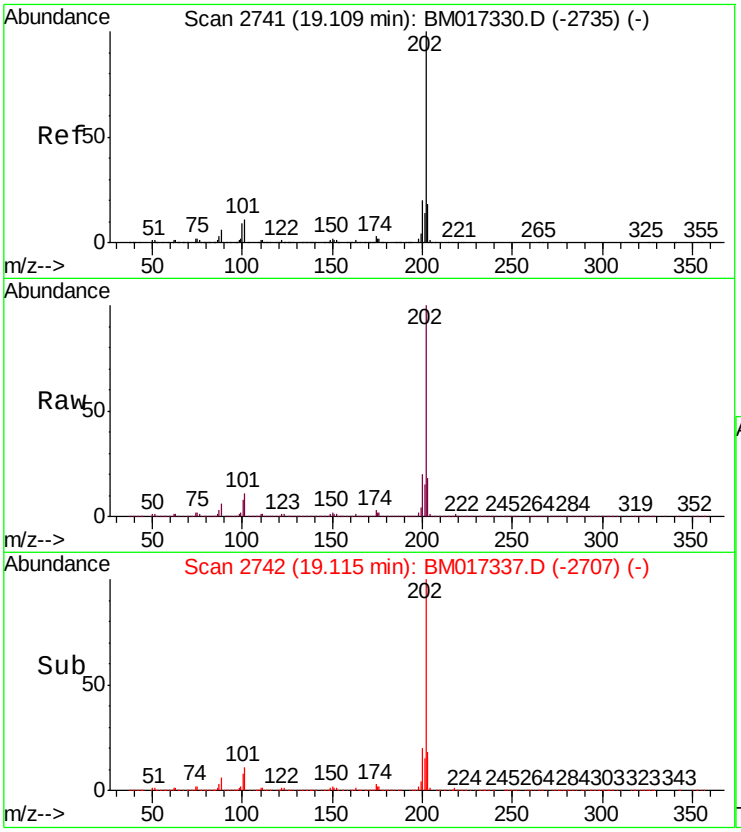




#75
Carbazole
Concen: 4.774 ng/ul
RT: 17.46 min Scan# 2460
Delta R.T. 0.00 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

Tgt Ion:167 Resp: 492779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.9 | 17.5 | 26.3 |
| 139 | 11.9 | 10.0 | 15.0 |



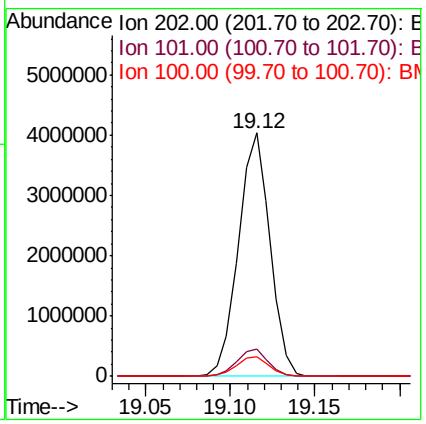


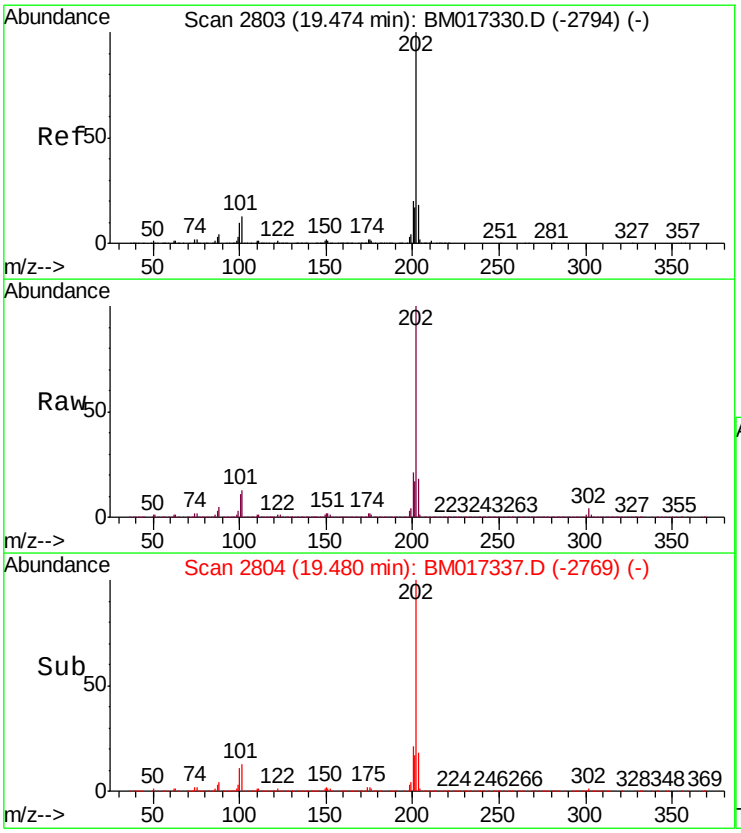

#77
Fluoranthene
Concen: 39.341 ng/ul
RT: 19.12 min Scan# 2742
Delta R.T. 0.01 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

**Instrument :**
BNA_M
**ClientSampleId :**
C0AE4

Tgt Ion:202 Resp: 5241089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.0 | 8.2 | 12.4 |
| 100 | 8.3 | 6.3 | 9.5 |

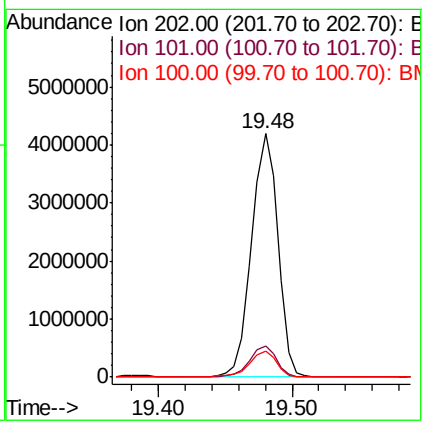


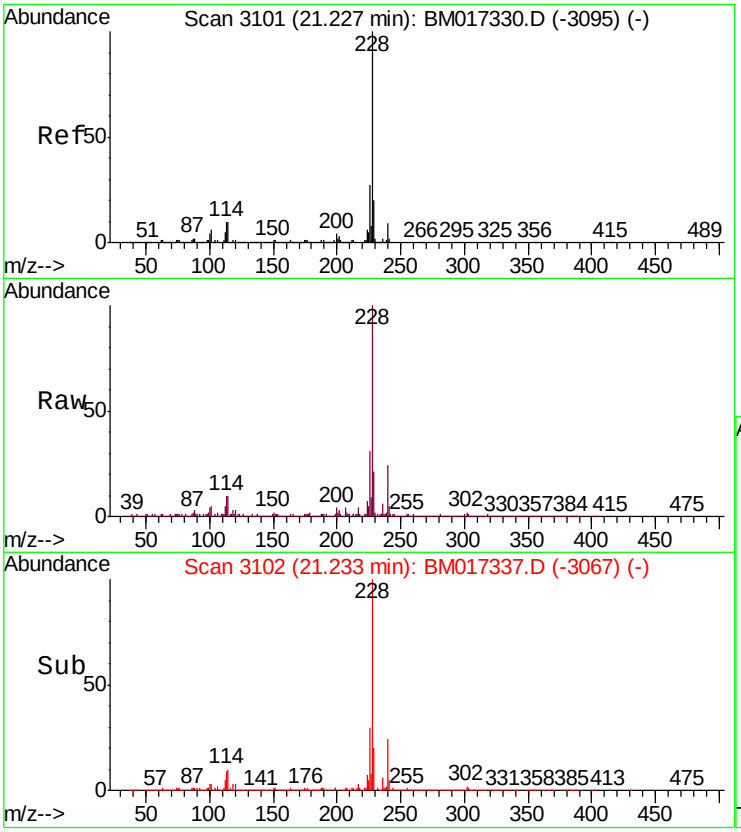




#80
Pyrene
Concen: 42.526 ng/ul
RT: 19.48 min Scan# 2804
Delta R.T. 0.01 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

Tgt Ion:202 Resp: 5677098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.0 | 9.5 | 14.3 |
| 100 | 10.6 | 8.1 | 12.1 |



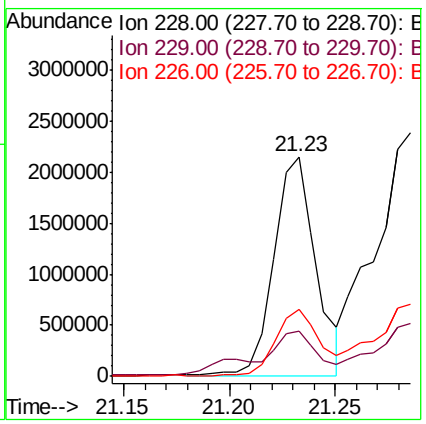


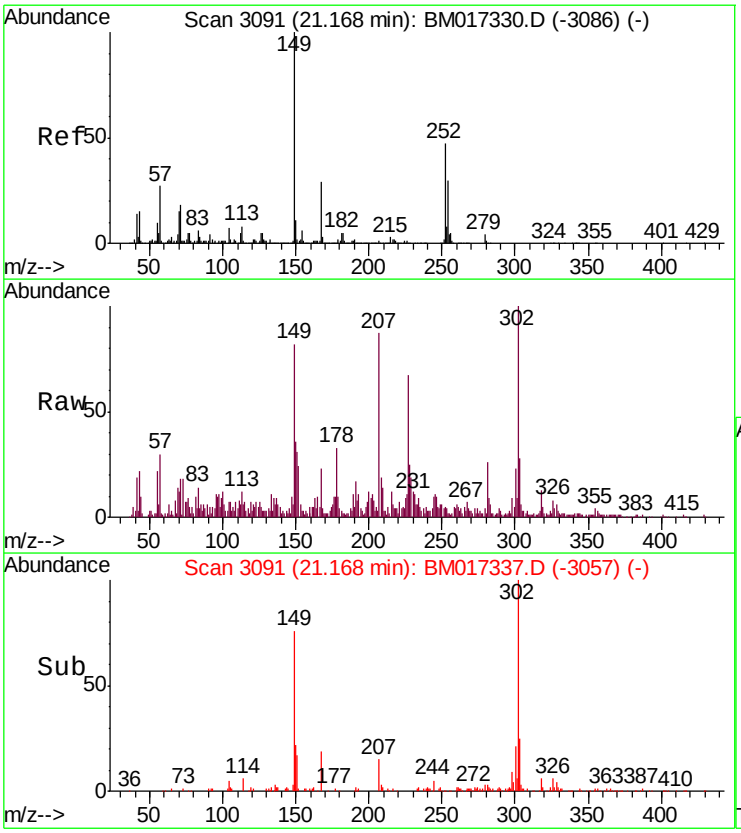

#83
Benzo(a)anthracene
Concen: 21.040 ng/ul
RT: 21.23 min Scan# 3102
Delta R.T. 0.01 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

**Instrument :**
BNA_M
**ClientSampleId :**
C0AE4

Tgt Ion:228 Resp: 2959897

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 20.7 | 15.6 | 23.4 |
| 226 | 30.7 | 20.8 | 31.2 |

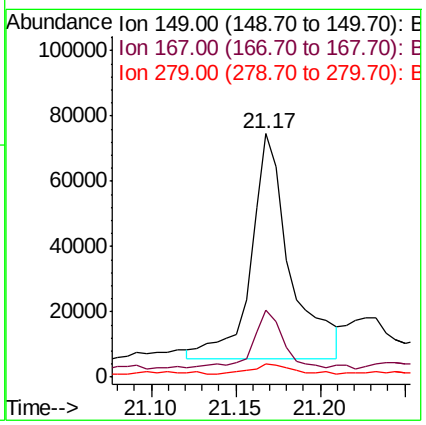


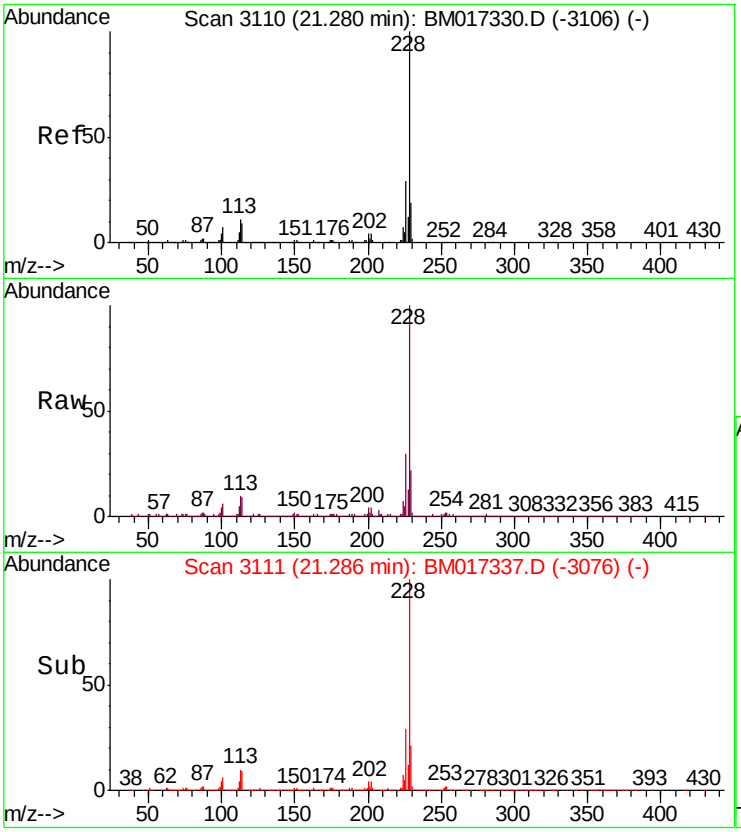




#84
Bis(2-ethylhexyl)phthalate
Concen: 1.429 ng/ul
RT: 21.17 min Scan# 3091
Delta R.T. 0.00 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

Tgt Ion:149 Resp: 111268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.7 | 23.0 | 34.6 |
| 279 | 5.3 | 4.1 | 6.1 |



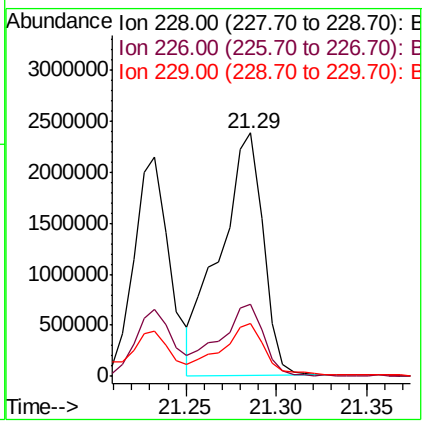


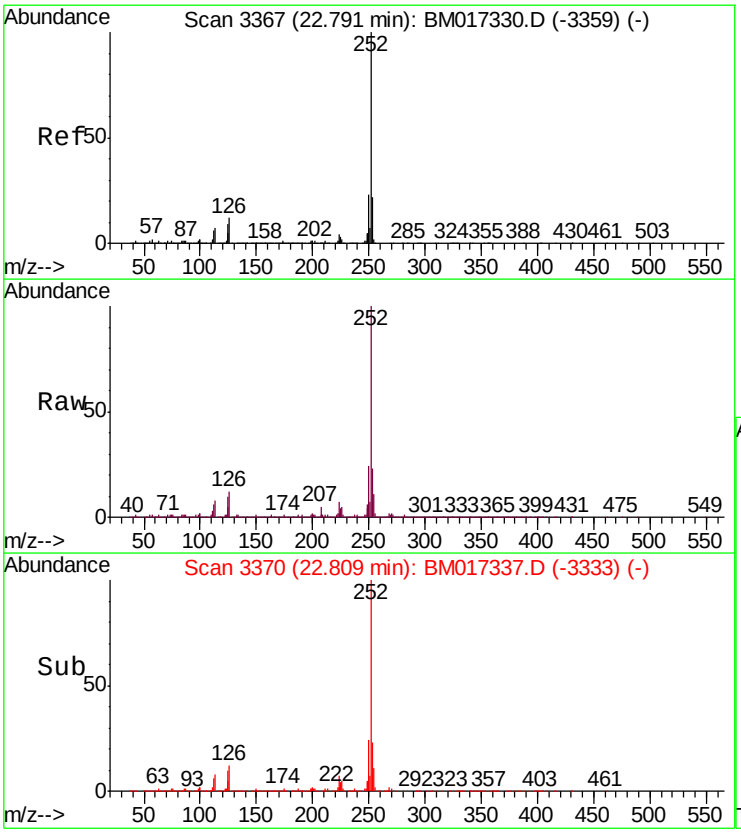

#85
Chrysene
Concen: 29.537 ng/ul
RT: 21.29 min Scan# 3111
Delta R.T. 0.01 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

**Instrument :**
BNA_M
**ClientSampleId :**
C0AE4

Tgt Ion:228 Resp: 3951315

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 23.3 | 34.9 |
| 229 | 21.5 | 15.6 | 23.4 |

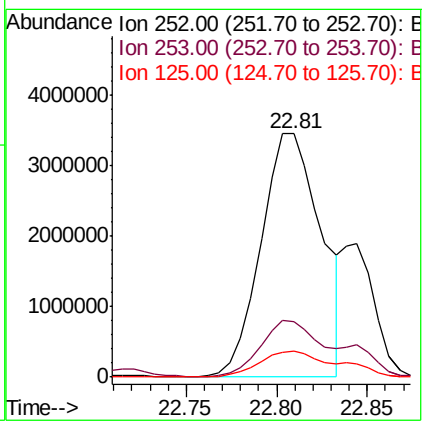


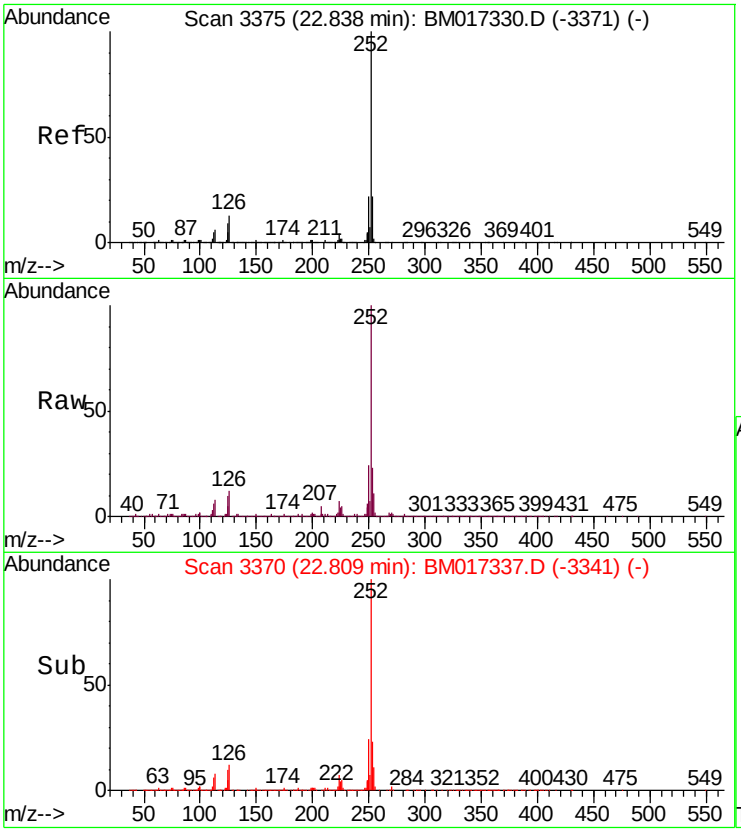




#88
Benzo(b)fluoranthene
Concen: 63.231 ng/ul
RT: 22.81 min Scan# 3370
Delta R.T. 0.02 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

Tgt Ion:252 Resp: 7962098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.6 | 26.4 |
| 125 | 10.5 | 7.2 | 10.8 |



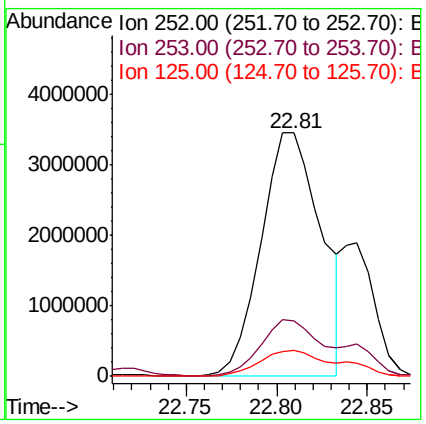


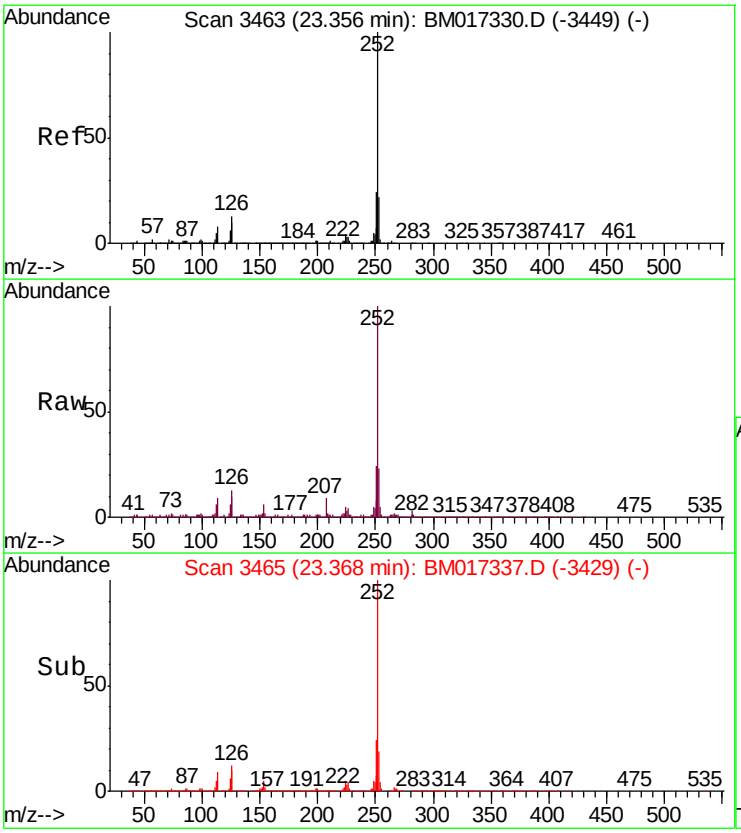

#89
Benzo(k)fluoranthene
Concen: 64.732 ng/ul
RT: 22.81 min Scan# 3370
Delta R.T. -0.03 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

**Instrument :**
BNA_M
**ClientSampleId :**
C0AE4

Tgt Ion:252 Resp: 7962098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.7 | 26.5 |
| 125 | 10.5 | 7.8 | 11.6 |

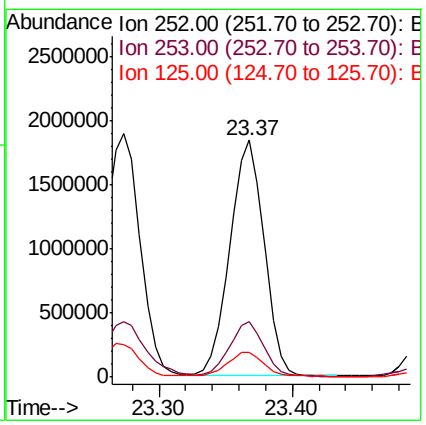


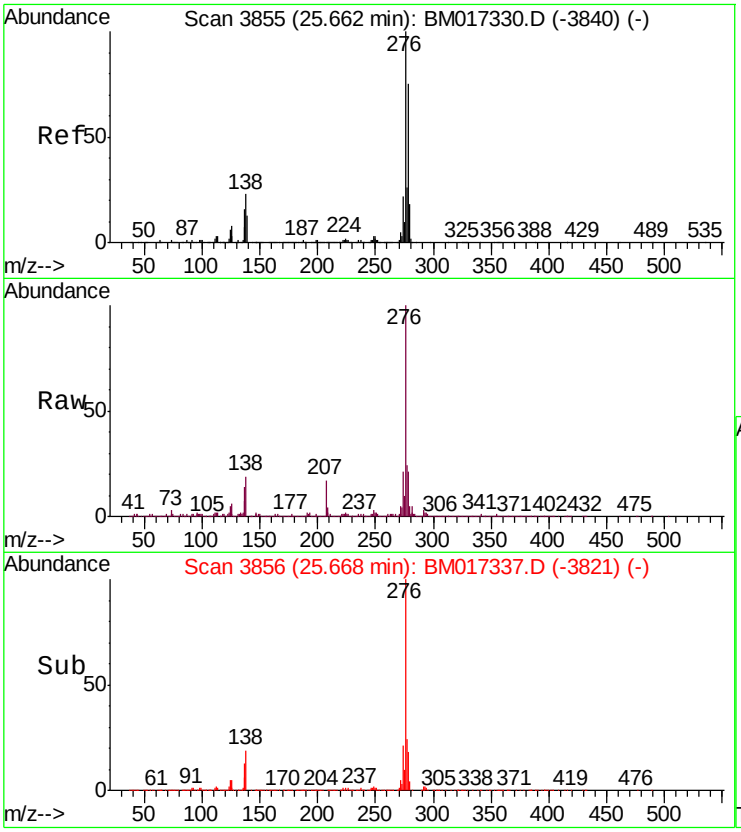




#91
Benzo(a)pyrene
Concen: 26.705 ng/ul
RT: 23.37 min Scan# 3465
Delta R.T. 0.01 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

Tgt Ion:252 Resp: 3285248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.6 | 26.4 |
| 125 | 10.3 | 8.3 | 12.5 |



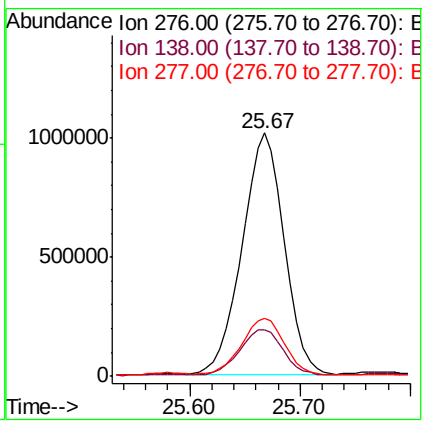


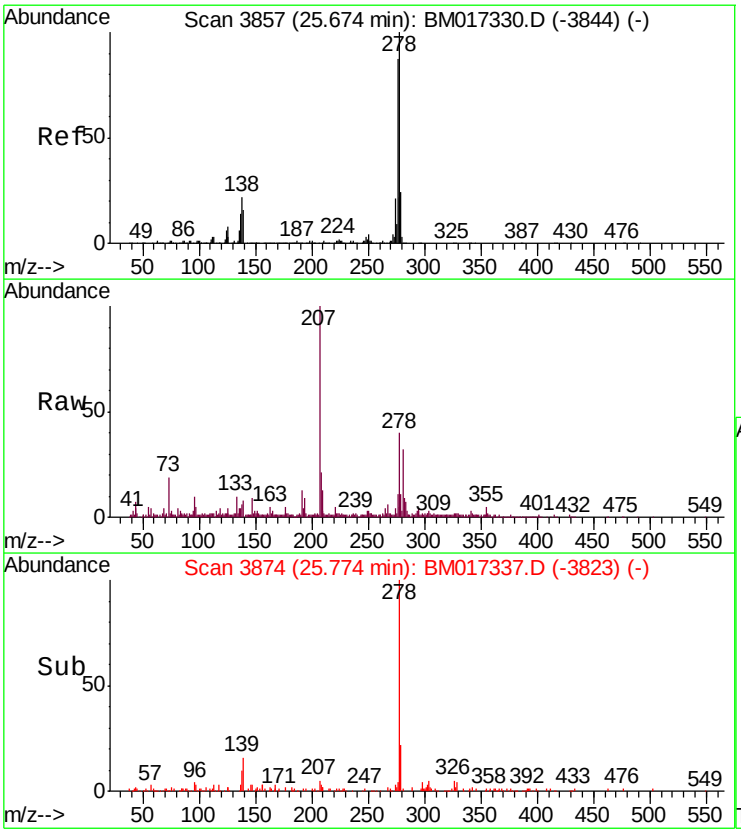

#92
Indeno(1,2,3-cd)pyrene
Concen: 18.221 ng/ul
RT: 25.67 min Scan# 3856
Delta R.T. 0.01 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

**Instrument :**
BNA_M
**ClientSampleId :**
C0AE4

Tgt Ion:276 Resp: 2727282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 19.3 | 18.1 | 27.1 |
| 277 | 24.1 | 19.6 | 29.4 |

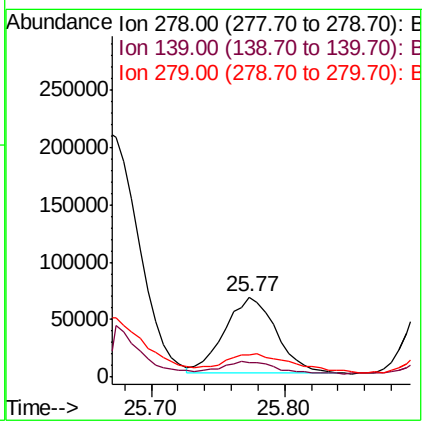


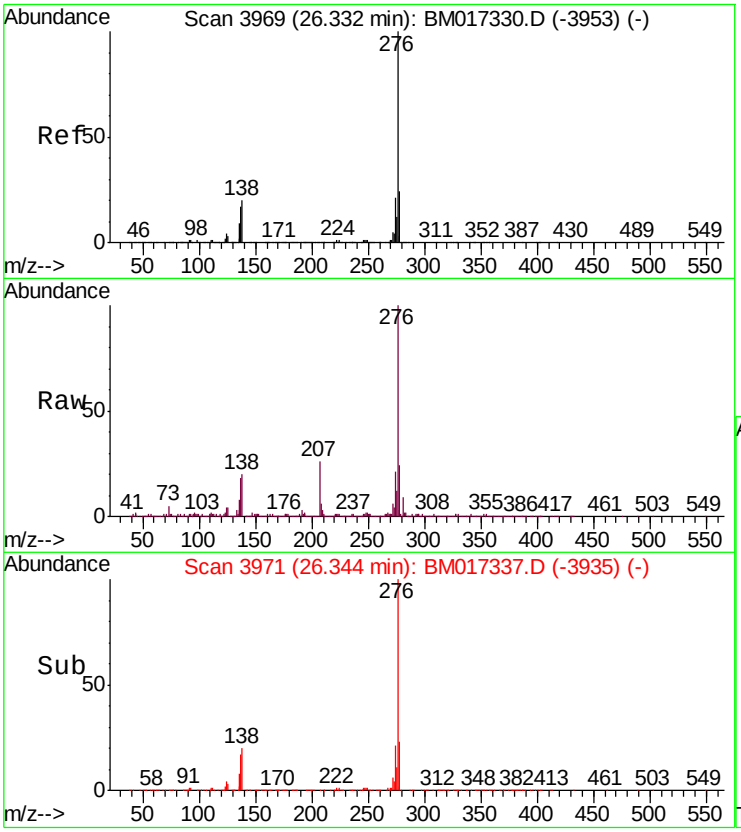




#93
Dibenzo(a,h)anthracene
Concen: 1.375 ng/ul
RT: 25.77 min Scan# 3874
Delta R.T. 0.10 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

Tgt Ion:278 Resp: 171867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.6 | 12.7 | 19.1 |
| 279 | 27.1 | 19.0 | 28.4 |






#94
Benzo(g,h,i)perylene
Concen: 16.594 ng/ul
RT: 26.34 min Scan# 3971
Delta R.T. 0.01 min
Lab File: BM017337.D
Acq: 25 Oct 2018 03:09

**Instrument :**
BNA_M
**ClientSampleId :**
C0AE4

Tgt Ion:276 Resp: 2110058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.4 | 16.6 | 25.0 |
| 277 | 23.7 | 18.9 | 28.3 |