Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
Data File : BM012067.D
Acq On : 11 Oct 2017 06:16
Operator : SJ/JU
Sample : I5668-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Oct 11 08:59:01 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 11 02:39:56 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.84 | 152 | 254665 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.65 | 136 | 1096647 | 20.00 | ng/ul | 0.00 |
| 35) Acenaphthene-d10 | 14.49 | 164 | 661358 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.23 | 188 | 1541282 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.41 | 240 | 1798246 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.73 | 264 | 1524049 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.26 | 96 | 20652 | 3.84 | ng/uL | 0.00 |
| 5) Phenol-d5 | 7.00 | 99 | 528831 | 24.14 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.17 | 67 | 356995 | 27.53 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.37 | 132 | 485116 | 27.60 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.55 | 113 | 490682 | 25.91 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 9.01 | 128 | 240590 | 30.81 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.73 | 143 | 229180 | 26.05 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.26 | 165 | 489310 | 27.53 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.80 | 131 | 18971 | 0.98 | ng/ul | 0.01 |
| 43) Dimethylphthalate-d6 | 13.89 | 166 | 1399906 | 24.42 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.18 | 160 | 2148982 | 31.91 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.70 | 143 | 62678 | 6.26 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.48 | 176 | 1528896 | 30.22 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.61 | 200 | 80592 | 7.77 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.33 | 188 | 2445337 | 32.20 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.63 | 212 | 3069806 | 37.85 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.58 | 264 | 2492130 | 33.99 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 4) Benzaldehyde | 6.99 | 77 | 12104 | 1.109 | ng/ul# | 89 |
| 28) Naphthalene | 10.69 | 128 | 83925 | 1.526 | ng/ul | 97 |
| 34) 2-Methylnaphthalene | 12.31 | 142 | 46886 | 1.118 | ng/ul | 89 |
| 44) Dimethylphthalate | 13.94 | 163 | 339677 | 6.160 | ng/ul | 99 |
| 49) Acenaphthene | 14.55 | 153 | 106643 | 2.360 | ng/ul | 100 |
| 53) Dibenzofuran | 14.89 | 168 | 107981 | 1.646 | ng/ul | 98 |
| 58) Fluorene | 15.54 | 166 | 116134 | 2.120 | ng/ul# | 98 |
| 69) Phenanthrene | 17.27 | 178 | 2221621 | 26.204 | ng/ul | 99 |
| 71) Anthracene | 17.37 | 178 | 474863 | 5.505 | ng/ul | 99 |
| 72) Carbazole | 17.64 | 167 | 161894 | 2.167 | ng/ul | 97 |
| 74) Fluoranthene | 19.29 | 202 | 4176892 | 40.379 | ng/ul# | 91 |
| 77) Pyrene | 19.66 | 202 | 3755712 | 37.667 | ng/ul# | 89 |
| 80) Benzo(a)anthracene | 21.39 | 228 | 2267640 | 22.012 | ng/ul | 97 |
| 81) Bis(2-ethylhexyl)phthalate | 21.31 | 149 | 103640 | 1.784 | ng/ul | 96 |
| 82) Chrysene | 21.44 | 228 | 2105434 | 21.510 | ng/ul | 98 |
| 85) Benzo(b)fluoranthene | 23.03 | 252 | 2353772 | 25.409 | ng/ul# | 96 |
| 86) Benzo(k)fluoranthene | 23.03 | 252 | 2353772 | 25.451 | ng/ul# | 94 |
| 88) Benzo(a)pyrene | 23.63 | 252 | 1482103 | 16.650 | ng/ul# | 96 |
| 89) Indeno(1,2,3-cd)pyrene | 26.09 | 276 | 861374 | 9.043 | ng/ul# | 96 |
| 90) Dibenzo(a,h)anthracene | 26.09 | 278 | 242128 | 3.094 | ng/ul# | 88 |
| 91) Benzo(g,h,i)perylene | 26.82 | 276 | 681683 | 8.651 | ng/ul# | 94 |

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
Data File : BM012067.D
Acq On : 11 Oct 2017 06:16
Operator : SJ/JU
Sample : I5668-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Oct 11 08:59:01 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 11 02:39:56 2017
Response via : Initial Calibration

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

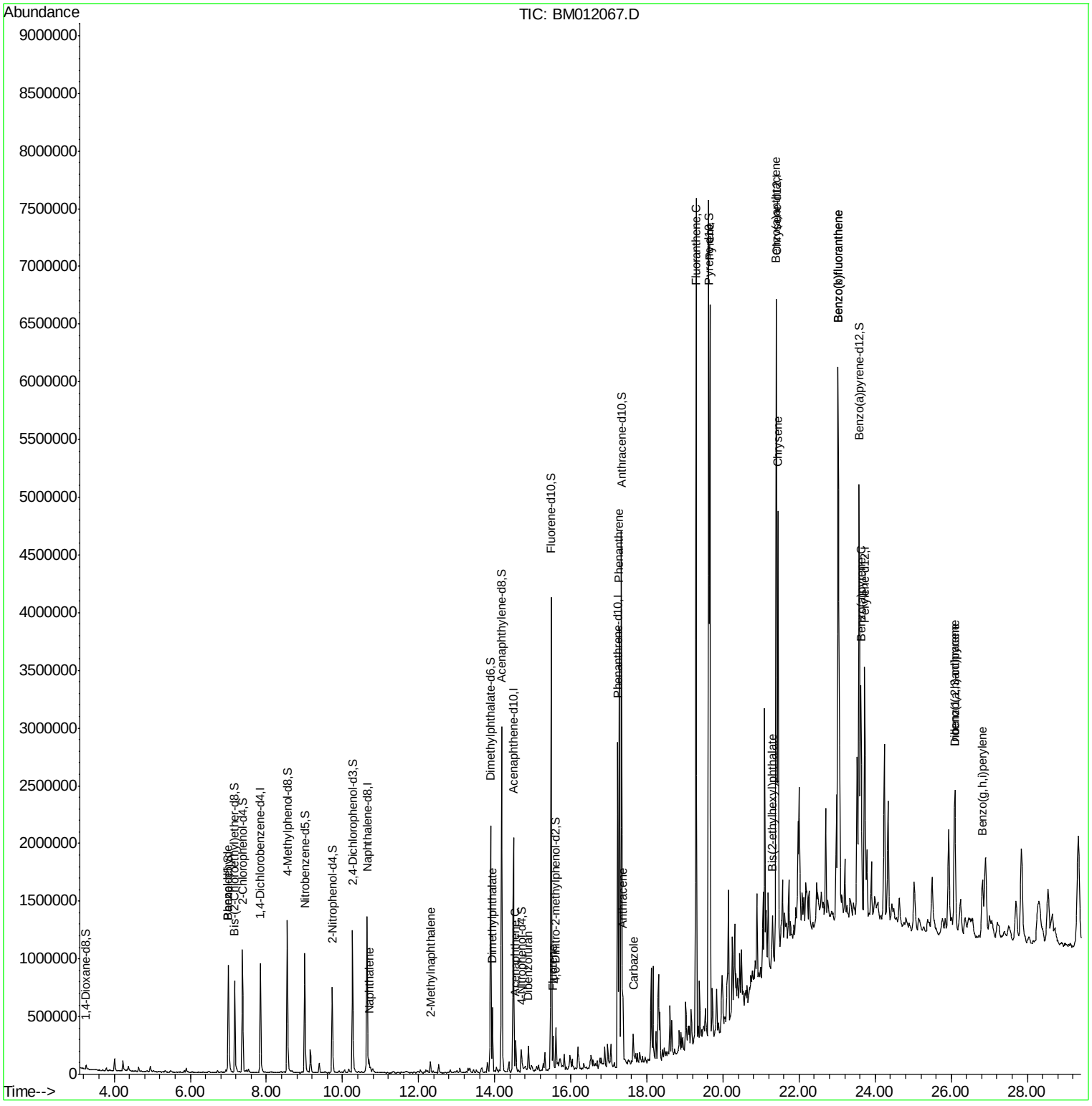
(#) = qualifier out of range (m) = manual integration (+) = signals summed

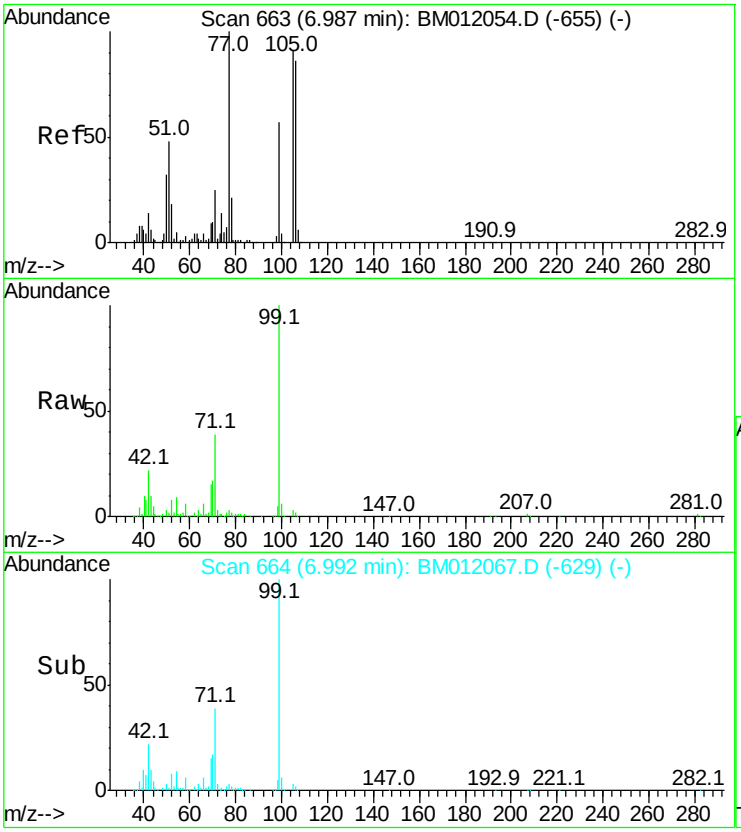
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
Data File : BM012067.D
Acq On : 11 Oct 2017 06:16
Operator : SJ/JU
Sample : I5668-01
Misc :
ALS Vial : 28 Sample Multiplier: 1

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

Quant Time: Oct 11 08:59:01 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 11 02:39:56 2017
Response via : Initial Calibration



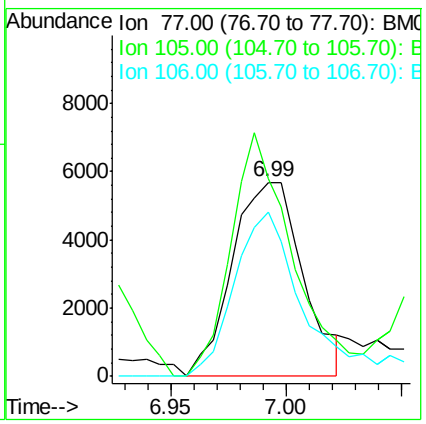


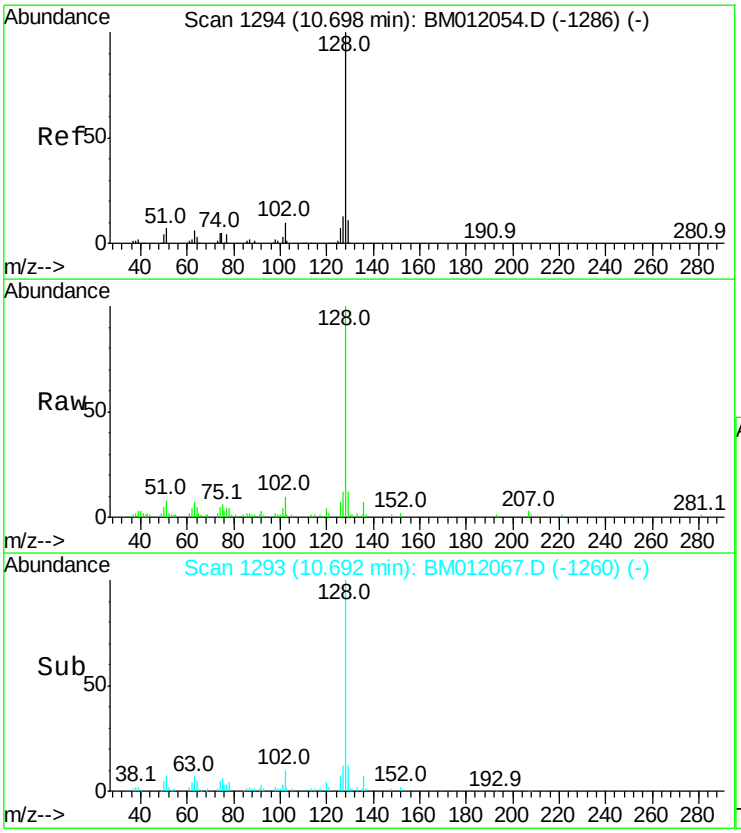

#4
Benzaldehyde
Concen: 1.109 ng/ul
RT: 6.99 min Scan# 664
Delta R.T. 0.01 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

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

Tgt Ion: 77 Resp: 12104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 102.1 | 66.1 | 99.1# |
| 106 | 84.5 | 67.8 | 101.6 |

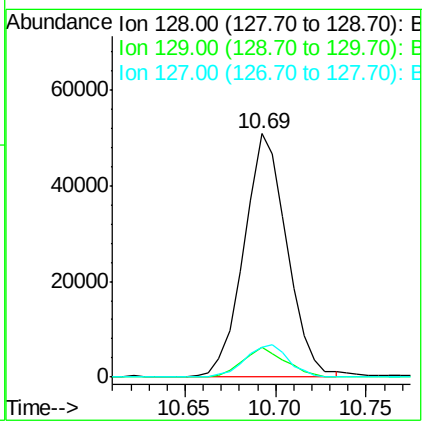


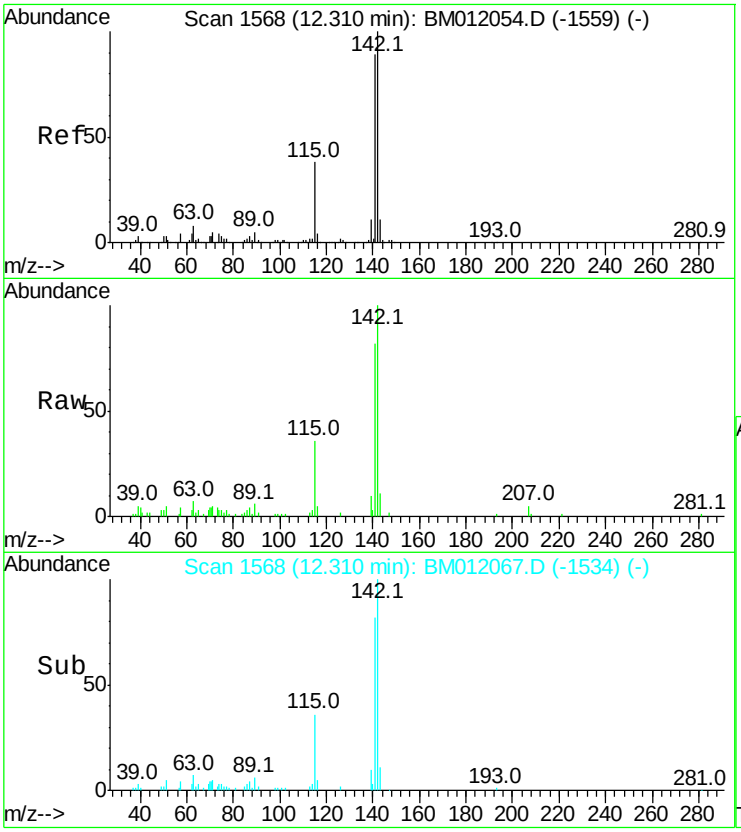




#28
Naphthalene
Concen: 1.526 ng/ul
RT: 10.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

Tgt Ion:128 Resp: 83925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.3 | 8.8 | 13.2 |
| 127 | 12.3 | 10.6 | 16.0 |



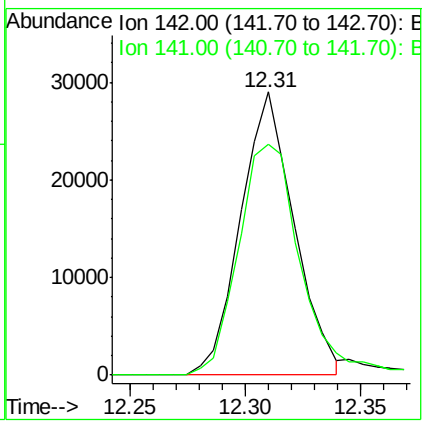


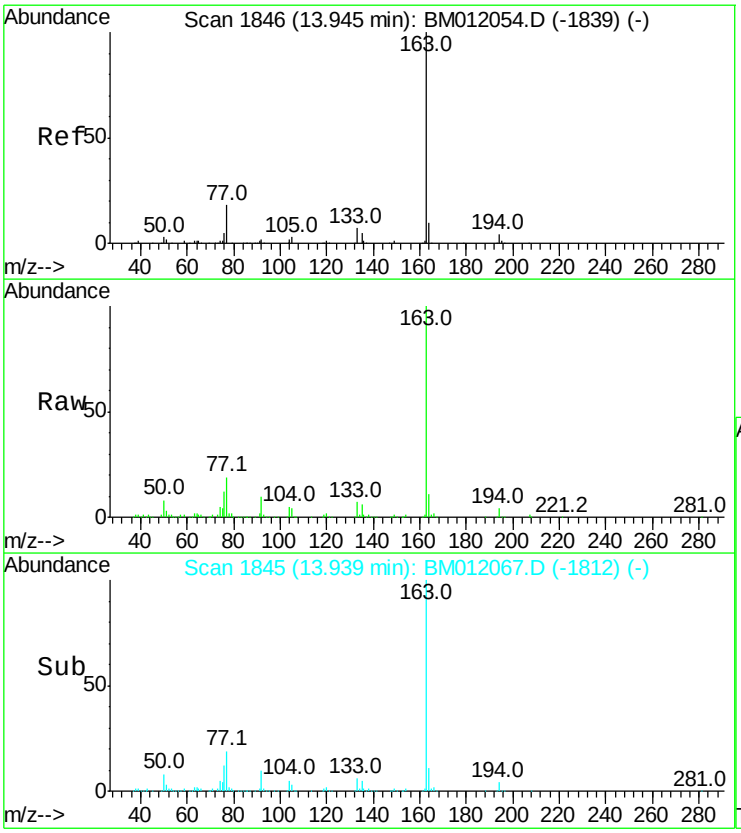

#34
2-Methylnaphthalene
Concen: 1.118 ng/ul
RT: 12.31 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

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

Tgt Ion:142 Resp: 46886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 81.7 | 74.1 | 111.1 |

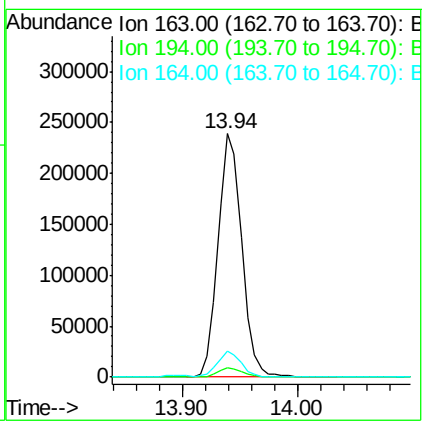


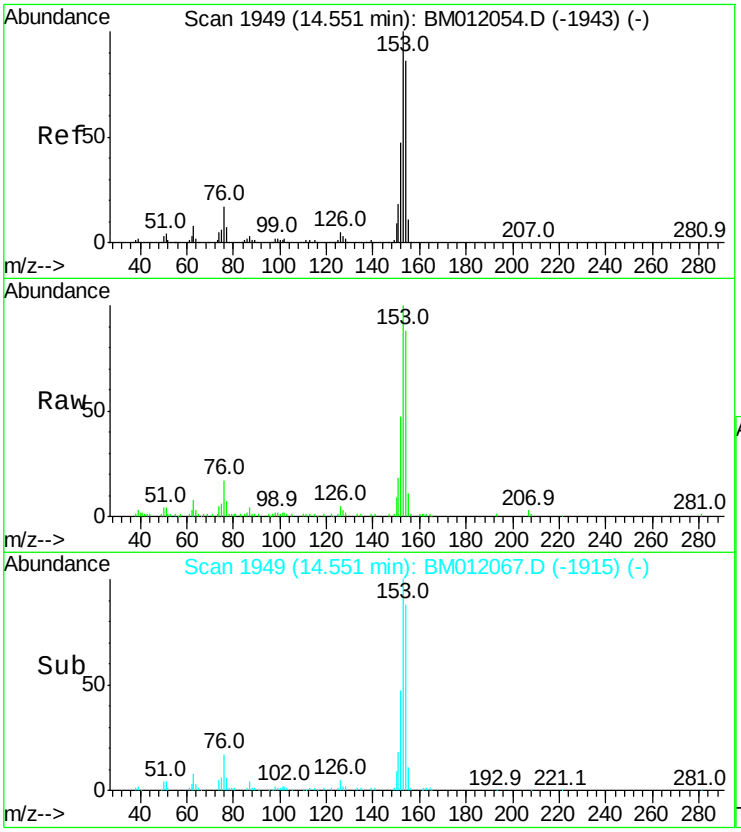




#44
Dimethylphthalate
Concen: 6.160 ng/ul
RT: 13.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

Tgt Ion:163 Resp: 339677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.5 | 5.3 |
| 164 | 10.7 | 8.2 | 12.4 |



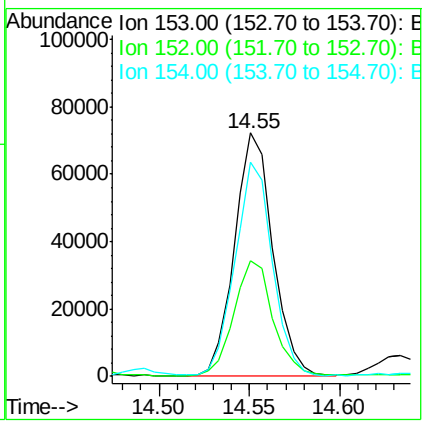


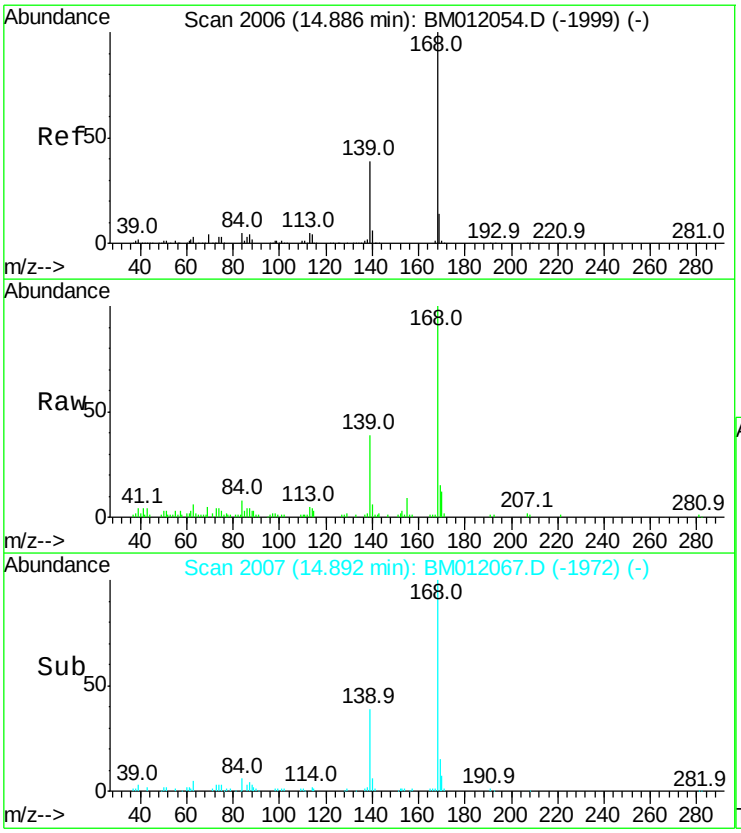

#49
Acenaphthene
Concen: 2.360 ng/ul
RT: 14.55 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

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

Tgt Ion:153 Resp: 106643

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 47.3 | 37.6 | 56.4 |
| 154 | 87.7 | 70.4 | 105.6 |

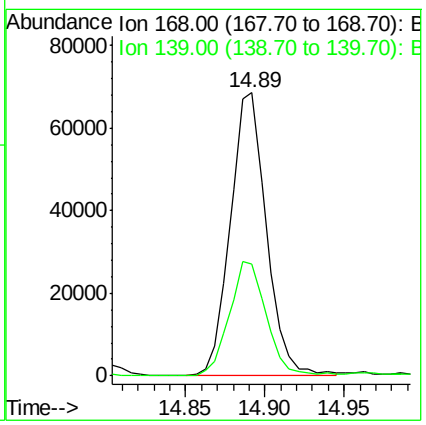


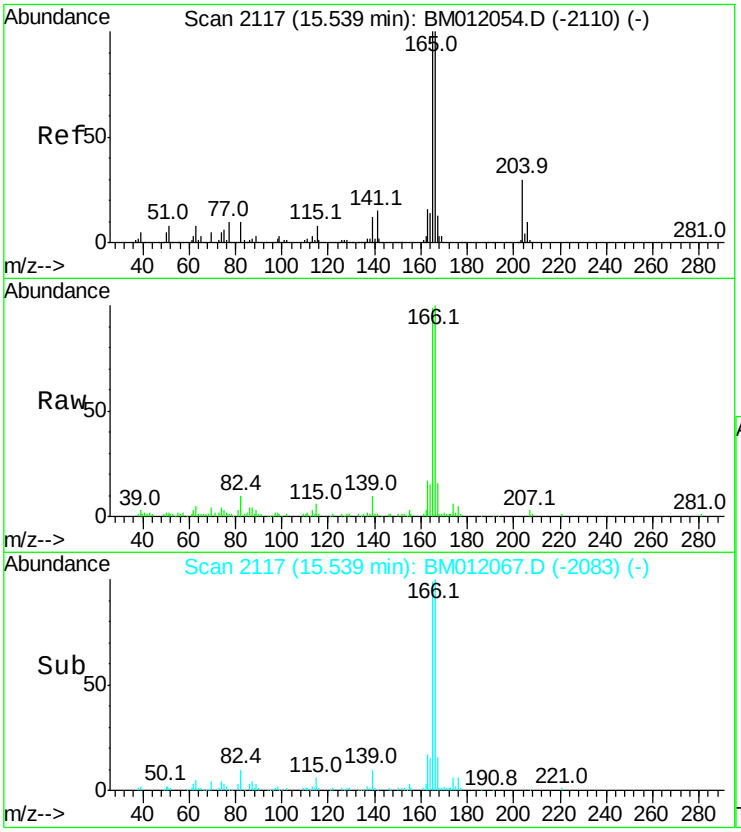




#53
Dibenzofuran
Concen: 1.646 ng/ul
RT: 14.89 min Scan# 2007
Delta R.T. 0.01 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

Tgt Ion:168 Resp: 107981

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 39.5 | 30.8 | 46.2 |



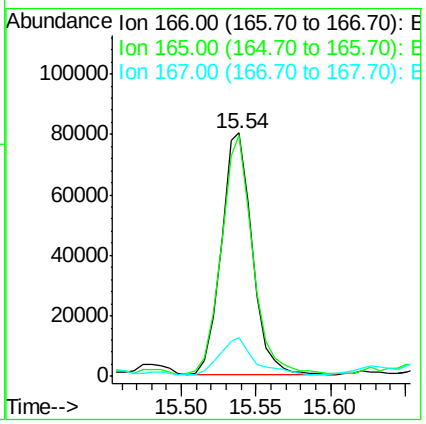


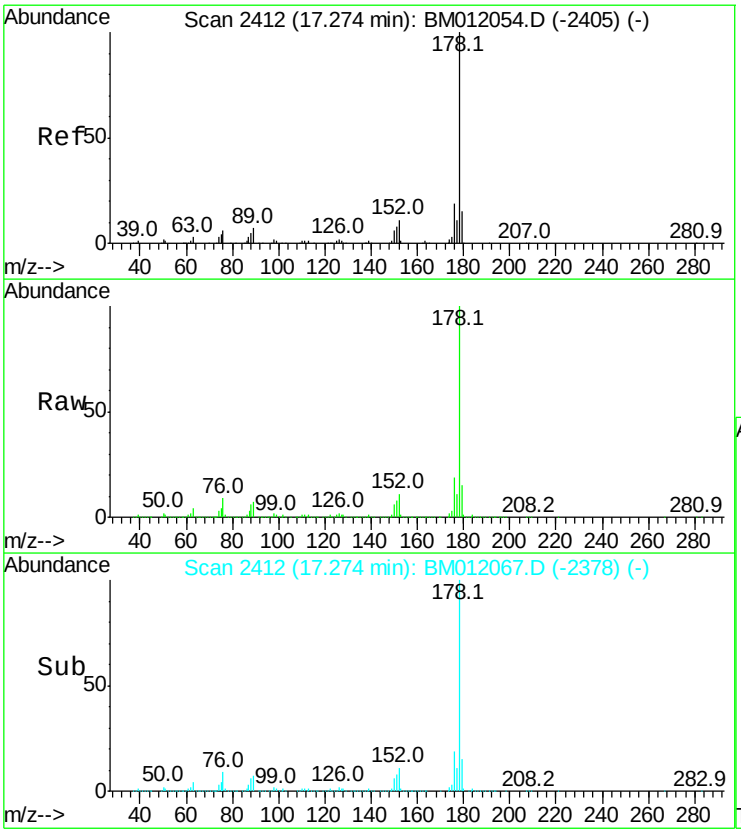

#58
Fluorene
Concen: 2.120 ng/ul
RT: 15.54 min Scan# 2117
Delta R.T. -0.00 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

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

Tgt Ion:166 Resp: 116134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.9 | 77.9 | 116.9 |
| 167 | 16.2 | 10.6 | 16.0# |

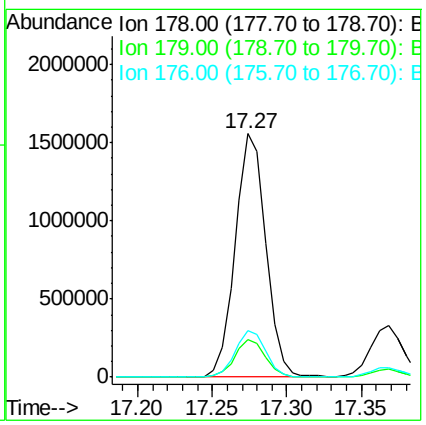


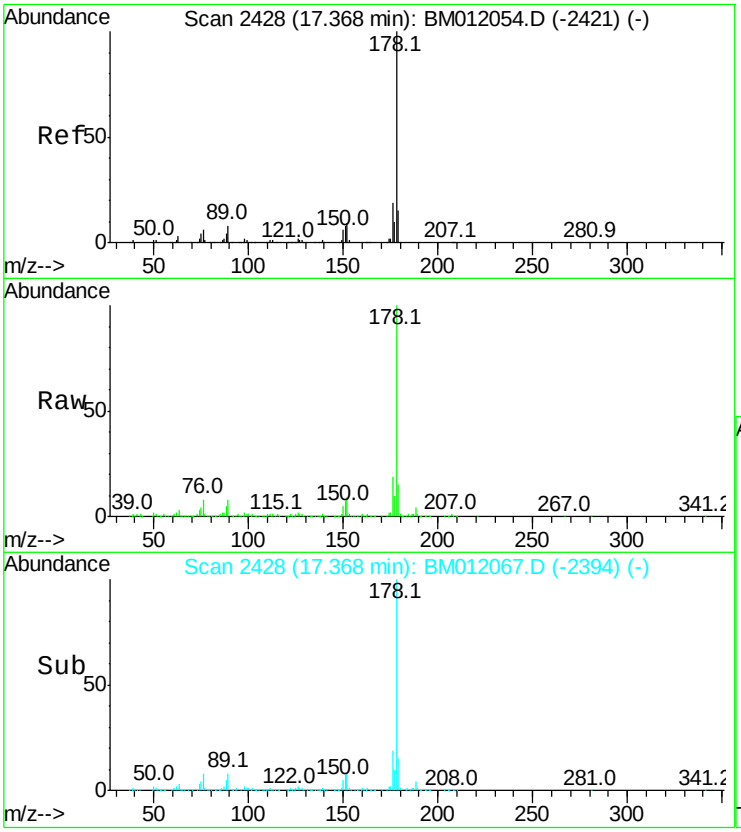




#69
Phenanthrene
Concen: 26.204 ng/ul
RT: 17.27 min Scan# 2412
Delta R.T. -0.00 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

Tgt Ion:178 Resp: 2221621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.4 | 12.6 | 19.0 |
| 176 | 19.2 | 14.9 | 22.3 |



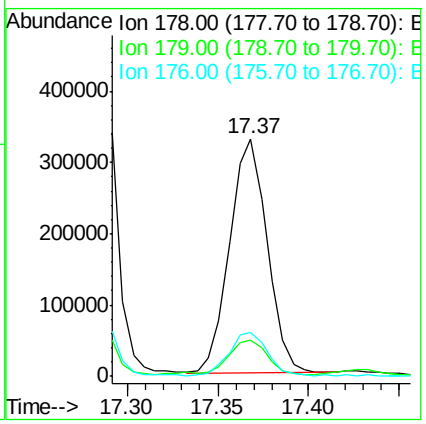


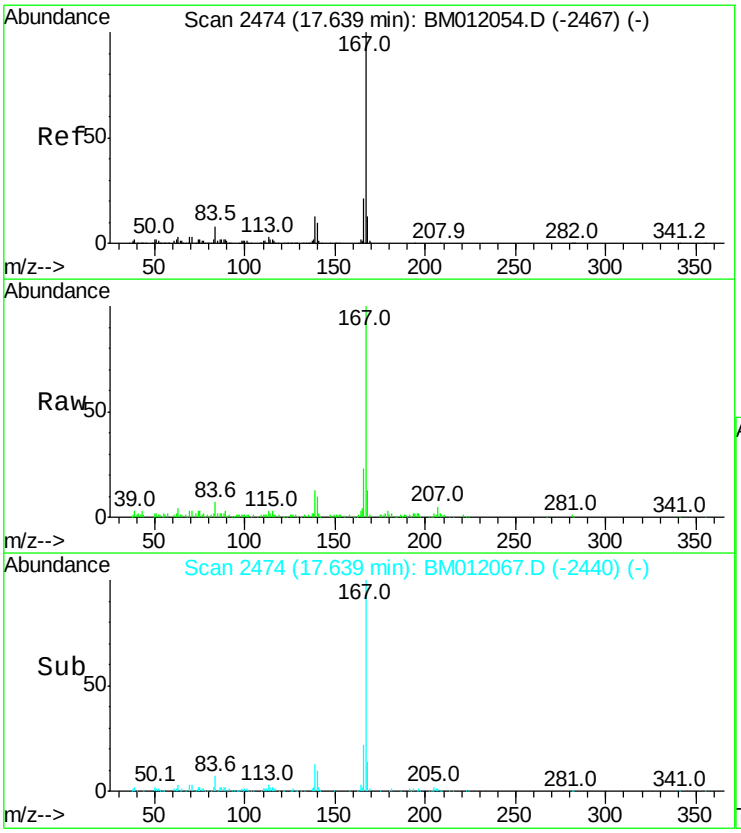

#71
Anthracene
Concen: 5.505 ng/ul
RT: 17.37 min Scan# 2428
Delta R.T. -0.00 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

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

Tgt Ion:178 Resp: 474863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.2 | 11.7 | 17.5 |
| 176 | 18.7 | 14.6 | 21.8 |

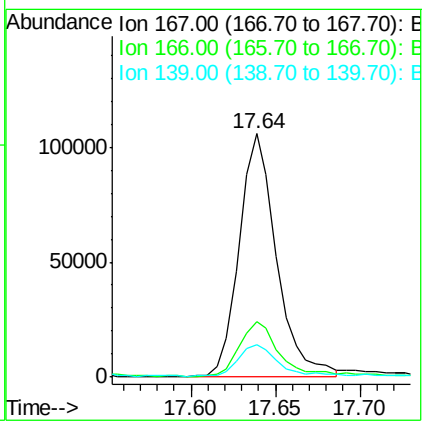


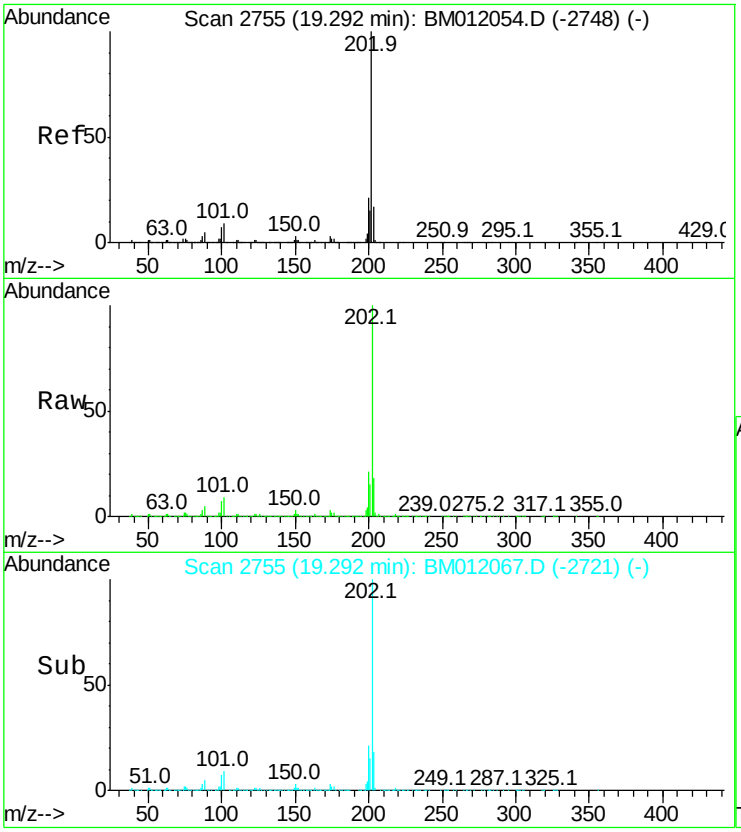




#72
Carbazole
Concen: 2.167 ng/ul
RT: 17.64 min Scan# 2474
Delta R.T. -0.00 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

Tgt Ion:167 Resp: 161894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.9 | 17.1 | 25.7 |
| 139 | 13.2 | 10.0 | 15.0 |



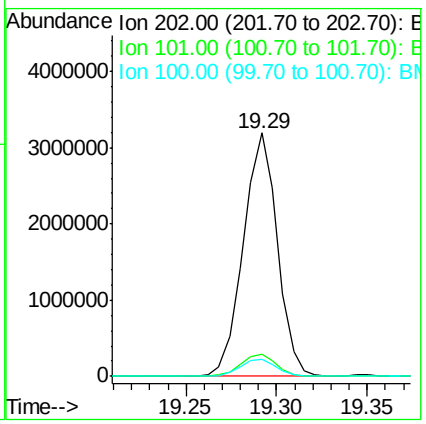


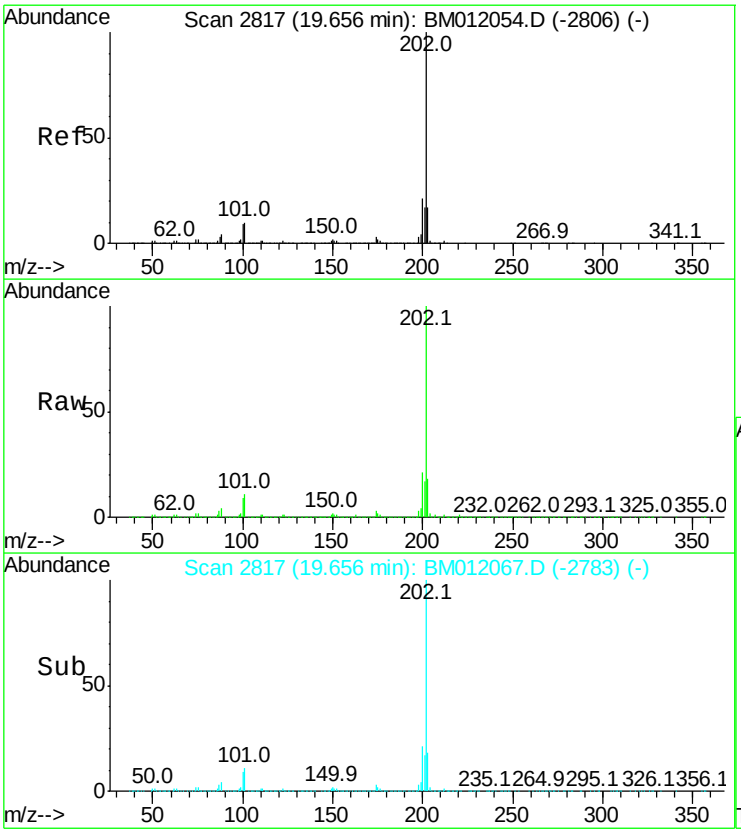

#74
Fluoranthene
Concen: 40.379 ng/ul
RT: 19.29 min Scan# 2755
Delta R.T. -0.00 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

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

Tgt Ion:202 Resp: 4176892

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.1 | 4.6 | 7.0# |
| 100 | 7.2 | 3.4 | 5.2# |

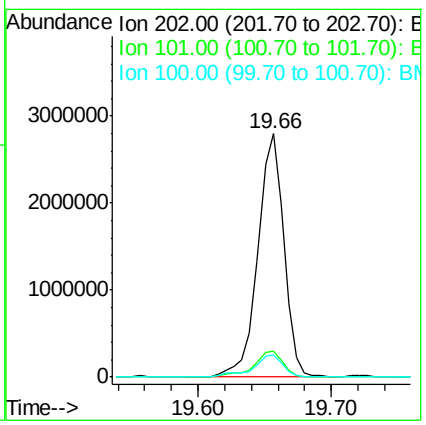


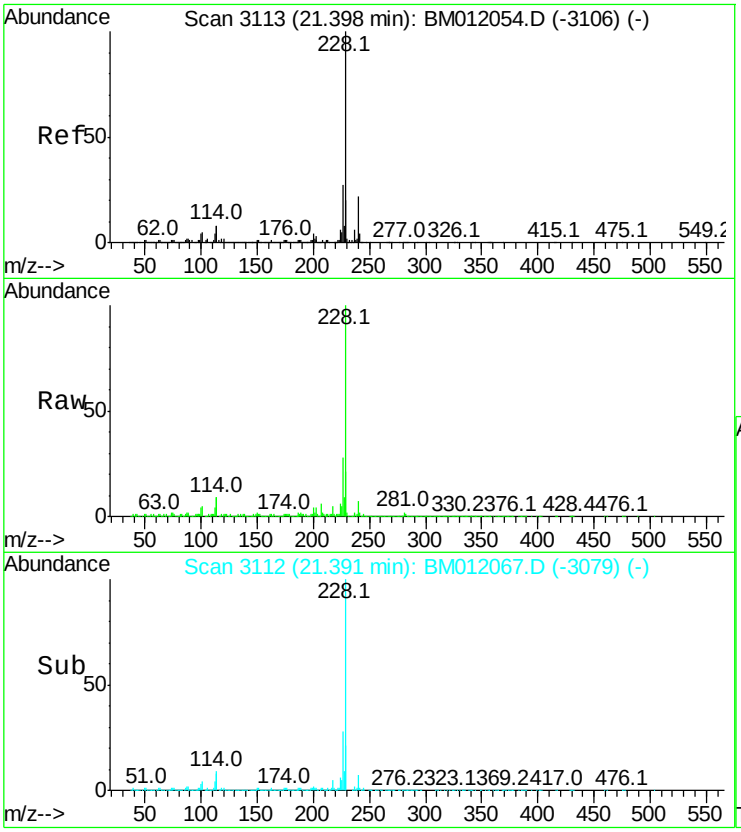




#77
Pyrene
Concen: 37.667 ng/ul
RT: 19.66 min Scan# 2817
Delta R.T. -0.00 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

Tgt Ion:202 Resp: 3755712

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.6 | 5.1 | 7.7# |
| 100 | 9.0 | 4.9 | 7.3# |



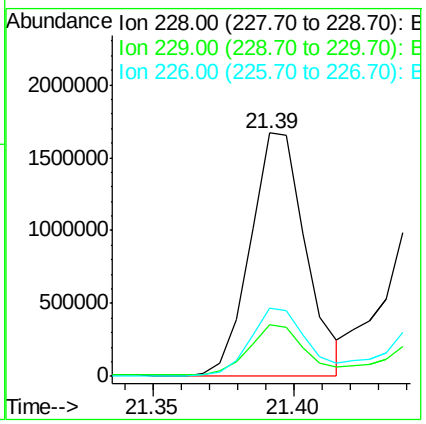


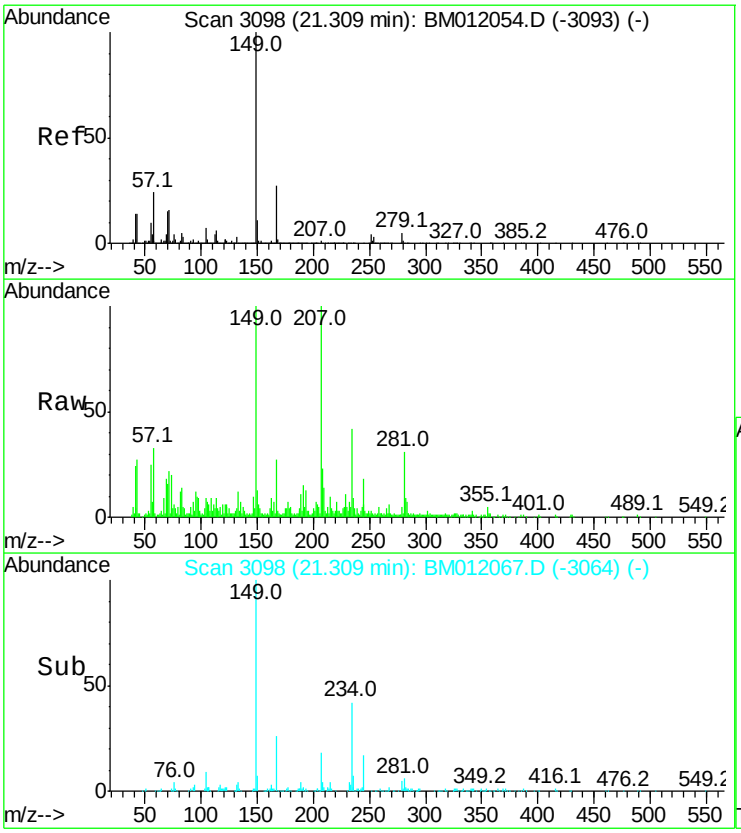

#80
Benzo(a)anthracene
Concen: 22.012 ng/ul
RT: 21.39 min Scan# 3112
Delta R.T. -0.01 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

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

Tgt Ion:228 Resp: 2267640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 21.2 | 15.4 | 23.0 |
| 226 | 27.9 | 21.4 | 32.0 |

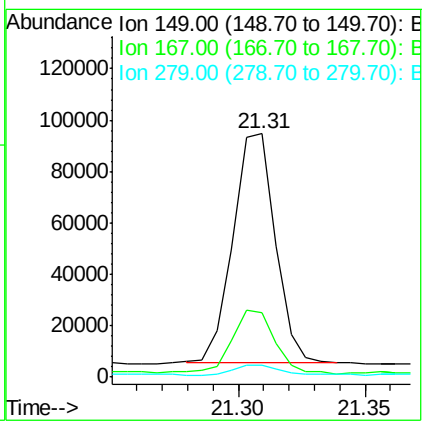


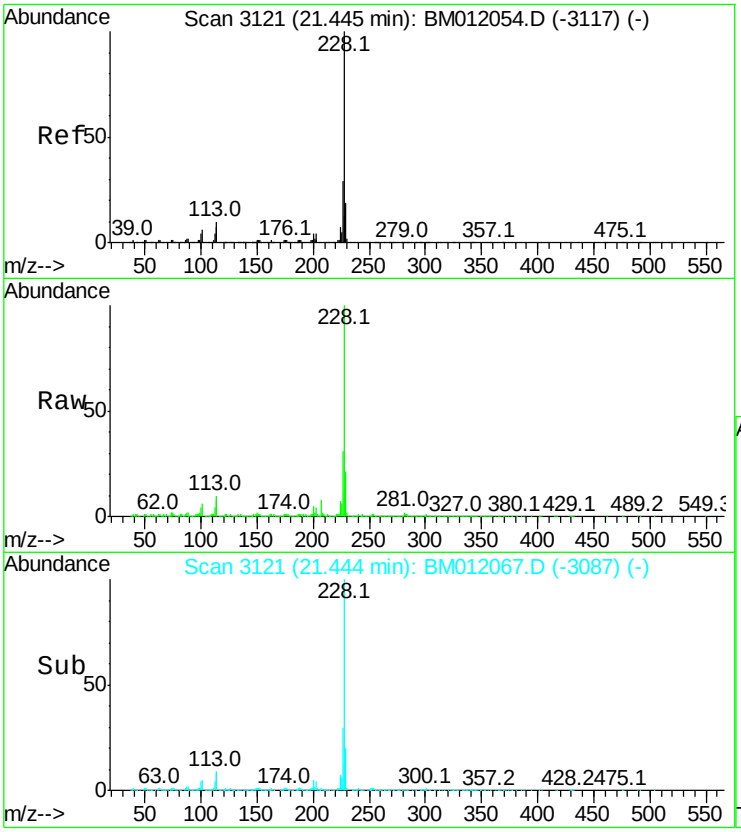




#81
Bis(2-ethylhexyl)phthalate
Concen: 1.784 ng/ul
RT: 21.31 min Scan# 3098
Delta R.T. -0.00 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

Tgt Ion:149 Resp: 103640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 26.6 | 22.8 | 34.2 |
| 279 | 5.1 | 4.9 | 7.3 |



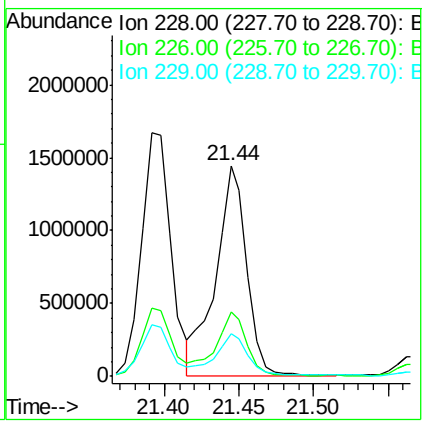


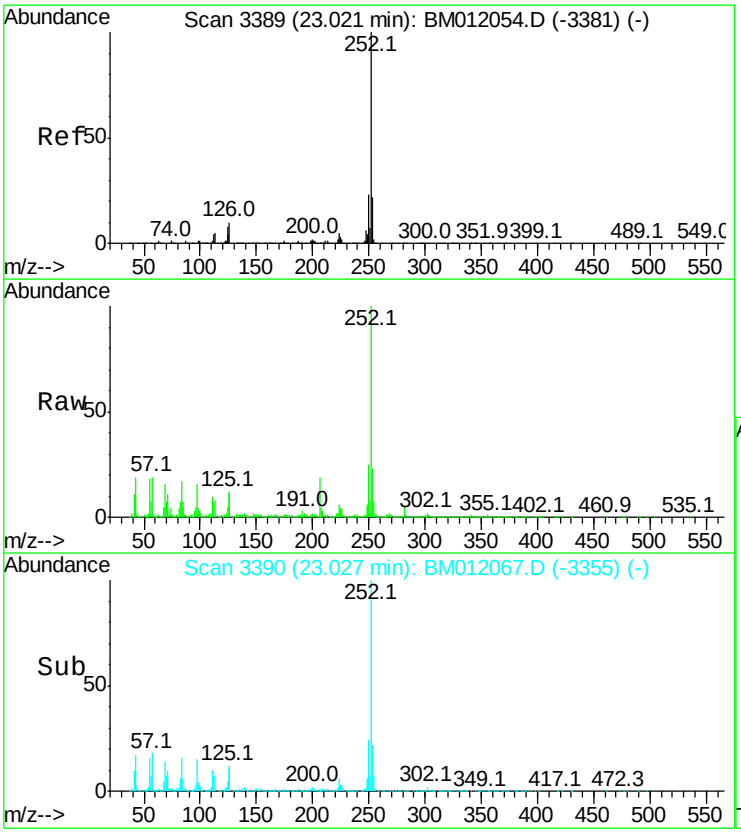

#82
Chrysene
Concen: 21.510 ng/ul
RT: 21.44 min Scan# 3121
Delta R.T. -0.00 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

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

Tgt Ion:228 Resp: 2105434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 23.4 | 35.2 |
| 229 | 20.5 | 15.5 | 23.3 |

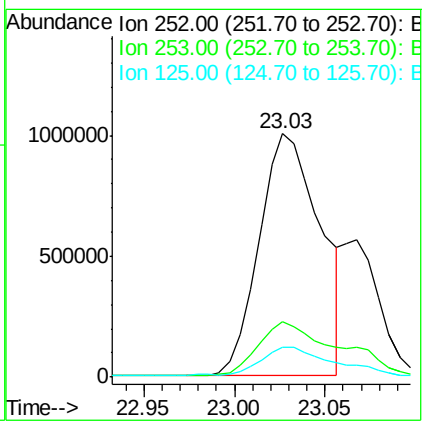


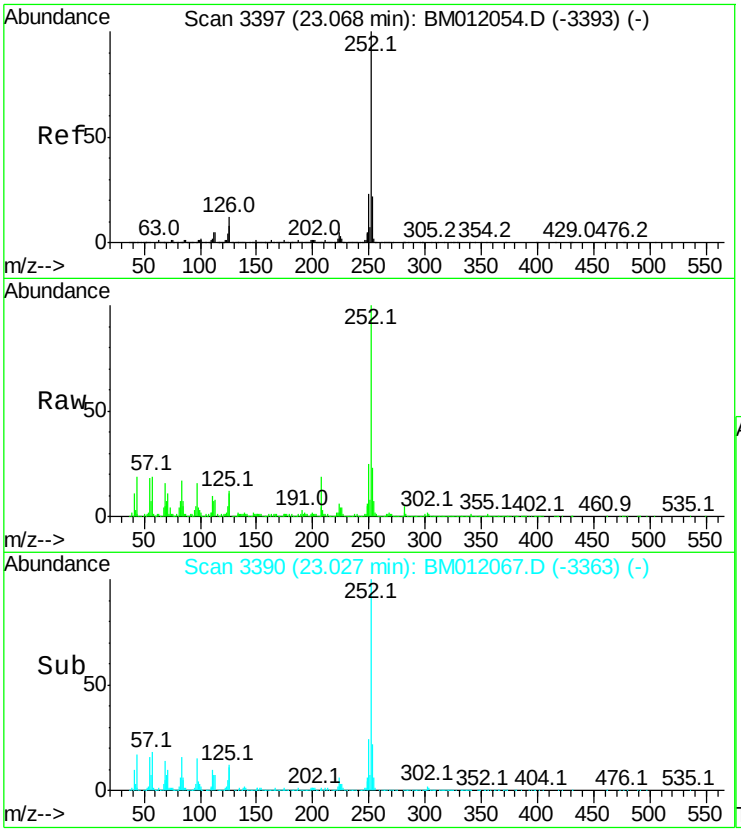




#85
Benzo(b)fluoranthene
Concen: 25.409 ng/ul
RT: 23.03 min Scan# 3390
Delta R.T. 0.01 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

Tgt Ion:252 Resp: 2353772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 17.9 | 26.9 |
| 125 | 12.3 | 3.6 | 5.4# |



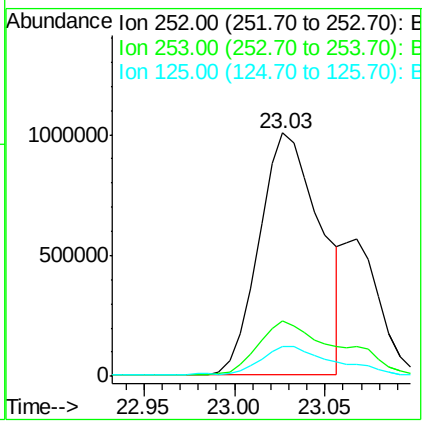


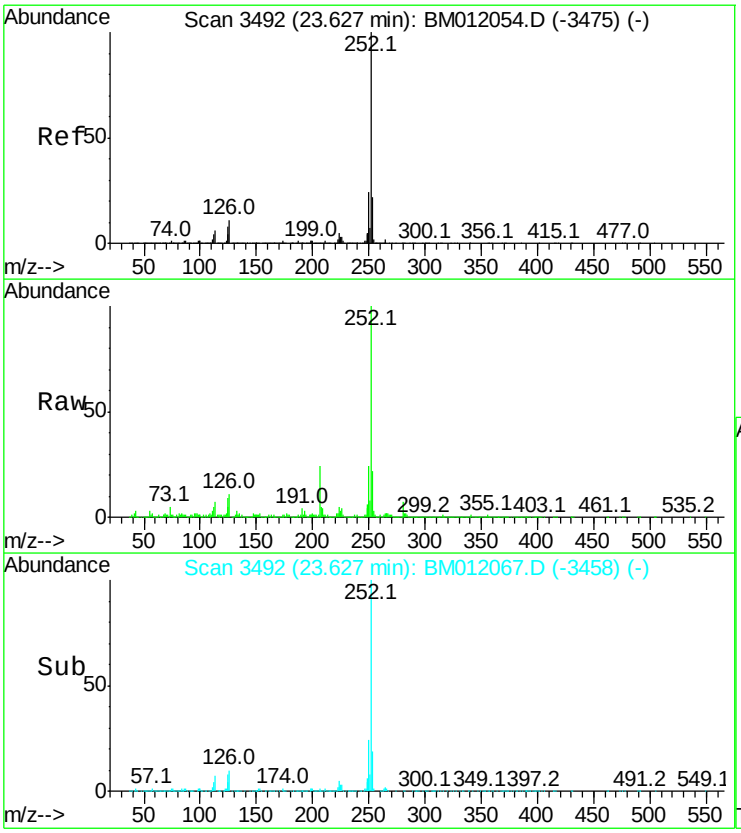

#86
Benzo(k)fluoranthene
Concen: 25.451 ng/ul
RT: 23.03 min Scan# 3390
Delta R.T. -0.04 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

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

Tgt Ion:252 Resp: 2353772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.6 | 17.1 | 25.7 |
| 125 | 12.3 | 3.4 | 5.2# |

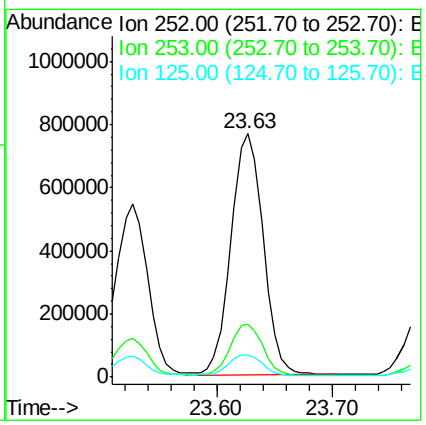


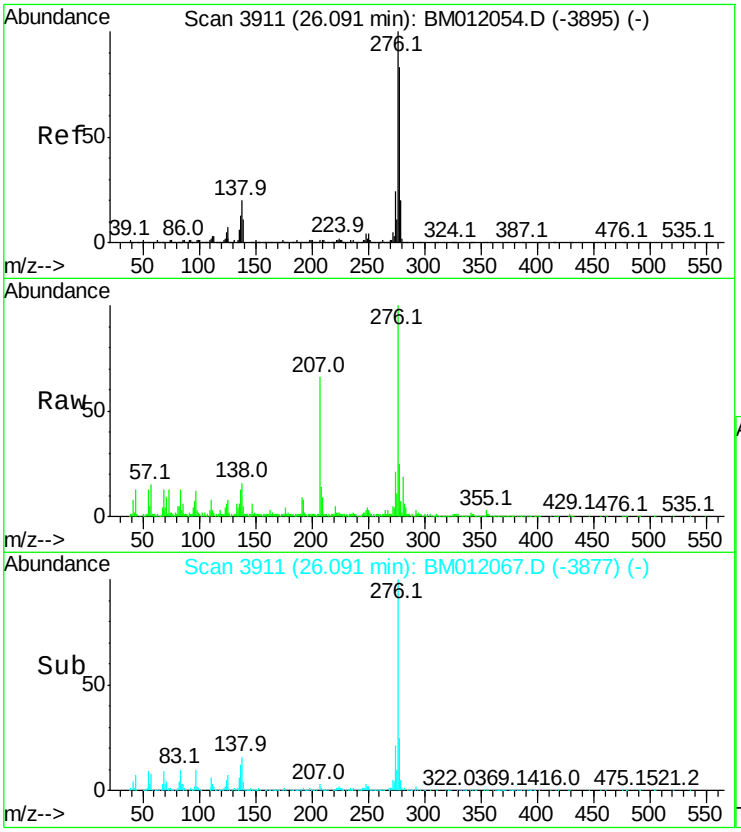




#88
Benzo(a)pyrene
Concen: 16.650 ng/ul
RT: 23.63 min Scan# 3492
Delta R.T. -0.00 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

Tgt Ion:252 Resp: 1482103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 18.2 | 27.2 |
| 125 | 9.1 | 4.0 | 6.0# |



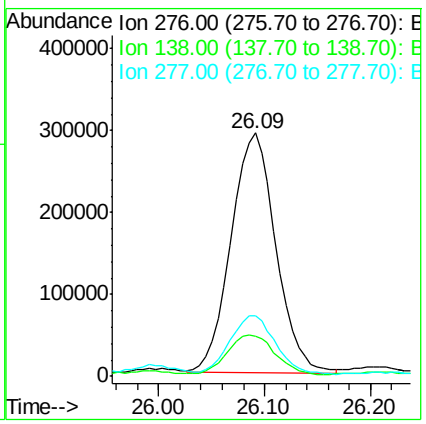


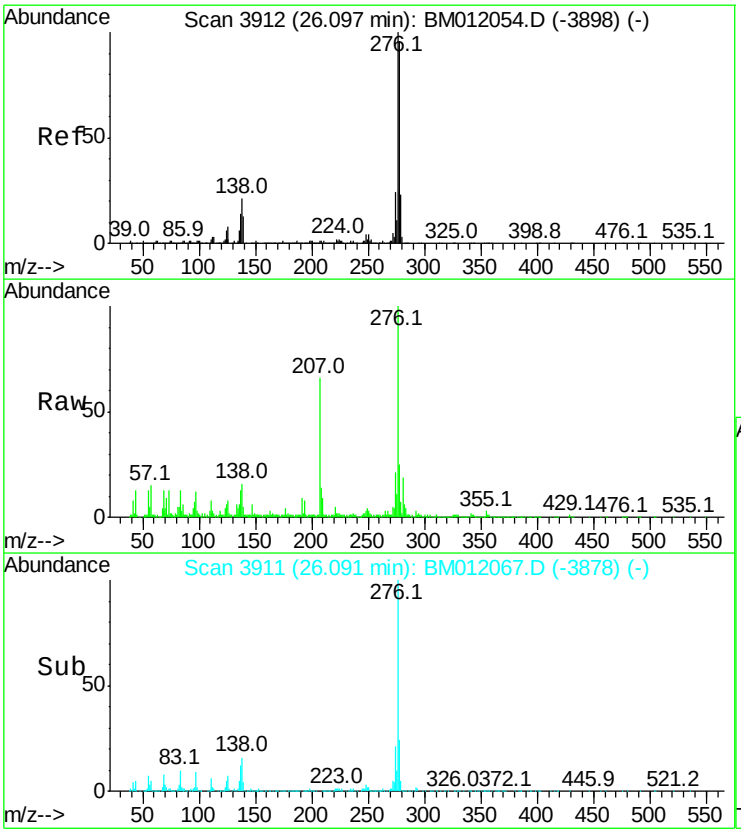

#89
Indeno(1,2,3-cd)pyrene
Concen: 9.043 ng/ul
RT: 26.09 min Scan# 3911
Delta R.T. -0.00 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

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

Tgt Ion:276 Resp: 861374

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 16.3 | 9.3 | 13.9# |
| 277 | 24.8 | 19.9 | 29.9 |

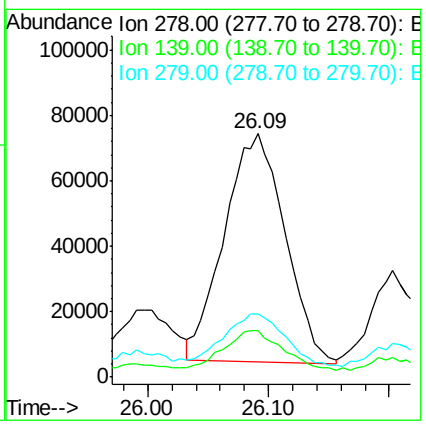


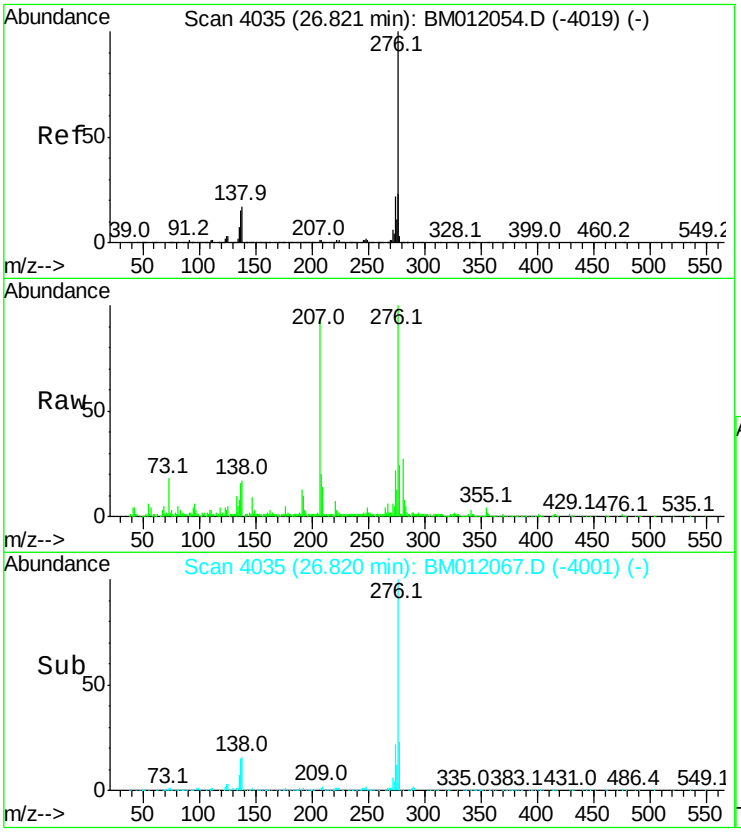




#90
Dibenzo(a,h)anthracene
Concen: 3.094 ng/ul
RT: 26.09 min Scan# 3911
Delta R.T. -0.01 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

Tgt Ion:278 Resp: 242128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 18.9 | 5.8 | 8.8# |
| 279 | 26.1 | 18.6 | 27.8 |






#91
Benzo(g,h,i)perylene
Concen: 8.651 ng/ul
RT: 26.82 min Scan# 4035
Delta R.T. -0.00 min
Lab File: BM012067.D
Acq: 11 Oct 2017 06:16

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

Tgt Ion:276 Resp: 681683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 17.2 | 8.5 | 12.7# |
| 277 | 23.8 | 18.6 | 28.0 |