Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042516\
Data File : BM005067.D
Acq On : 26 Apr 2016 04:21
Operator : UM/SJ
Sample : H2584-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** BC7Q2

Quant Time: Apr 26 05:00:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 26 00:45:11 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.80 | 152 | 28952 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.60 | 136 | 139399 | 20.00 | ng/ul | 0.01 |
| 35) Acenaphthene-d10 | 14.44 | 164 | 101039 | 20.00 | ng/ul | 0.00 |
| 61) Phenanthrene-d10 | 17.19 | 188 | 246996 | 20.00 | ng/ul | 0.00 |
| 75) Chrysene-d12 | 21.37 | 240 | 299034 | 20.00 | ng/ul | 0.00 |
| 83) Perylene-d12 | 23.66 | 264 | 280720 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.30 | 96 | 2576 | 4.52 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.97 | 99 | 53625 | 22.39 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.13 | 67 | 91882 | 67.43 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.33 | 132 | 113058 | 59.66 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.50 | 113 | 88406 | 43.54 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.96 | 128 | 68158 | 70.60 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.67 | 143 | 79276 | 73.60 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.22 | 165 | 132071 | 64.54 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.75 | 131 | 2275 | 0.95 | ng/ul | 0.02 |
| 43) Dimethylphthalate-d6 | 13.85 | 166 | 468898 | 58.76 | ng/ul | 0.00 |
| 46) Acenaphthylene-d8 | 14.13 | 160 | 543675 | 57.21 | ng/ul | 0.00 |
| 51) 4-Nitrophenol-d4 | 14.64 | 143 | 31282 | 22.43 | ng/ul | 0.00 |
| 57) Fluorene-d10 | 15.43 | 176 | 396497 | 56.54 | ng/ul | 0.00 |
| 62) 4,6-Dinitro-2-methylphenol | 15.56 | 200 | 92450 | 65.81 | ng/ul | 0.00 |
| 70) Anthracene-d10 | 17.29 | 188 | 649407 | 58.63 | ng/ul | 0.00 |
| 76) Pyrene-d10 | 19.58 | 212 | 764327 | 56.14 | ng/ul | 0.00 |
| 87) Benzo(a)pyrene-d12 | 23.51 | 264 | 781137 | 62.10 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.33 | 88 | 4872 | 4.61 | ng/uL | 97 |
| 15) N-Nitroso-di-n-propylamine | 8.50 | 70 | 2102 | 1.37 | ng/ul# | 1 |
| 16) 4-Methylphenol | 8.56 | 108 | 2433 | 1.12 | ng/ul | 99 |
| 17) Hexachloroethane | 8.90 | 117 | 1398 | 1.80 | ng/ul# | 3 |
| 21) Isophorone | 9.68 | 82 | 7016 | 1.56 | ng/ul# | 70 |
| 28) Naphthalene | 10.68 | 128 | 7300270 | 1038.34 | ng/ul | 98 |
| 30) 4-Chloroaniline | 10.68 | 127 | 1018371 | 417.03 | ng/ul# | 16 |
| 34) 2-Methylnaphthalene | 12.26 | 142 | 505676 | 97.17 | ng/ul | 98 |
| 40) 1,1'-Biphenyl | 13.27 | 154 | 91833 | 11.49 | ng/ul | 98 |
| 45) 2,6-Dinitrotoluene | 13.85 | 165 | 3658 | 2.37 | ng/ul# | 40 |
| 47) Acenaphthylene | 14.16 | 152 | 59081 | 5.88 | ng/ul# | 97 |
| 49) Acenaphthene | 14.50 | 153 | 362915 | 54.86 | ng/ul | 100 |
| 53) Dibenzofuran | 14.84 | 168 | 404164 | 41.43 | ng/ul | 98 |
| 58) Fluorene | 15.49 | 166 | 393178 | 51.91 | ng/ul | 100 |
| 60) 4-Nitroaniline | 15.49 | 138 | 4434 | 2.61 | ng/ul# | 15 |
| 69) Phenanthrene | 17.23 | 178 | 866153 | 65.89 | ng/ul | 99 |
| 71) Anthracene | 17.32 | 178 | 177735 | 13.41 | ng/ul | 99 |
| 72) Carbazole | 17.59 | 167 | 219238 | 19.29 | ng/ul | 99 |
| 74) Fluoranthene | 19.24 | 202 | 225537 | 15.59 | ng/ul | 97 |
| 77) Pyrene | 19.61 | 202 | 134820 | 7.80 | ng/ul | 97 |

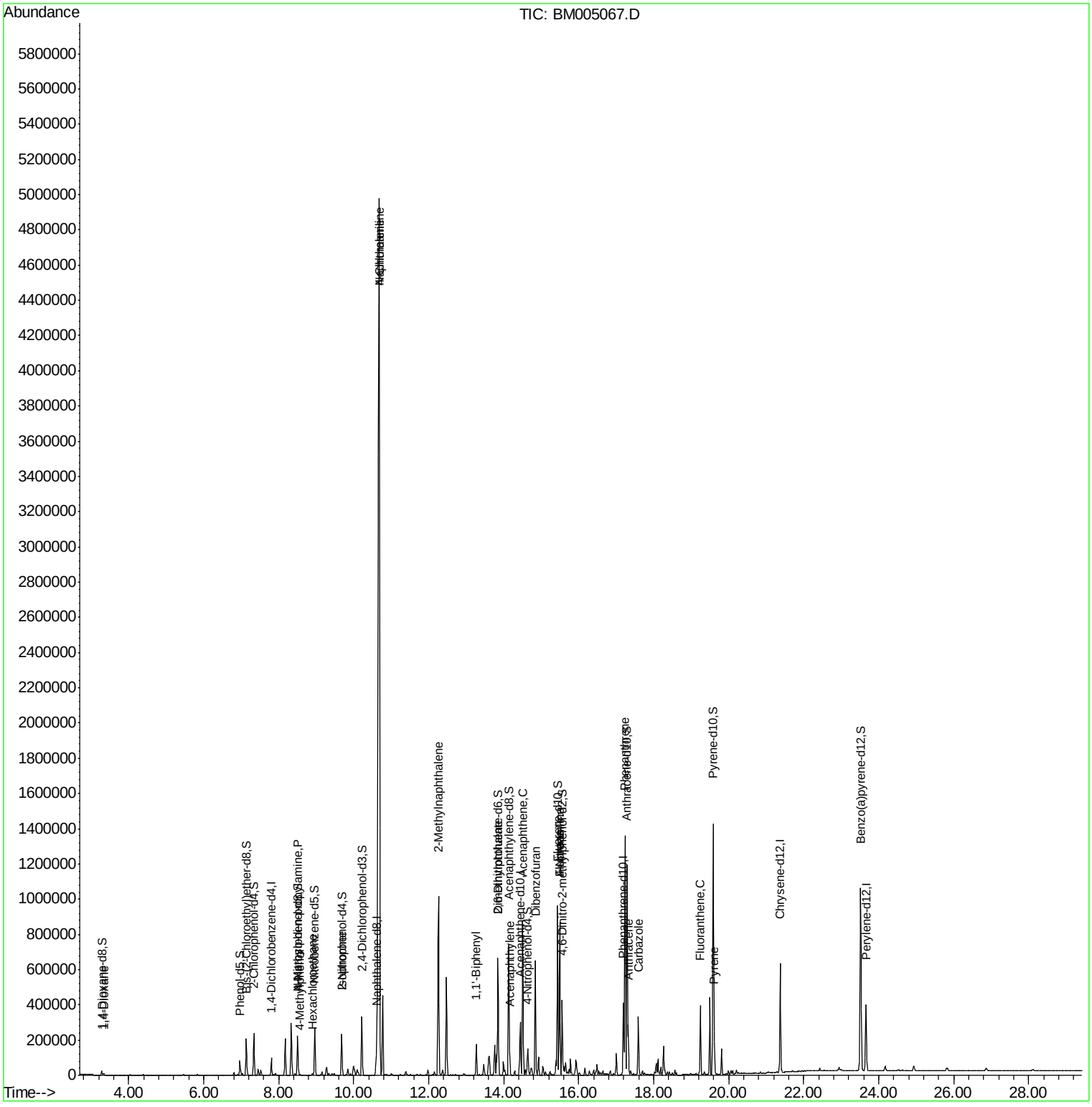
(#) = qualifier out of range (m) = manual integration (+) = signals summed

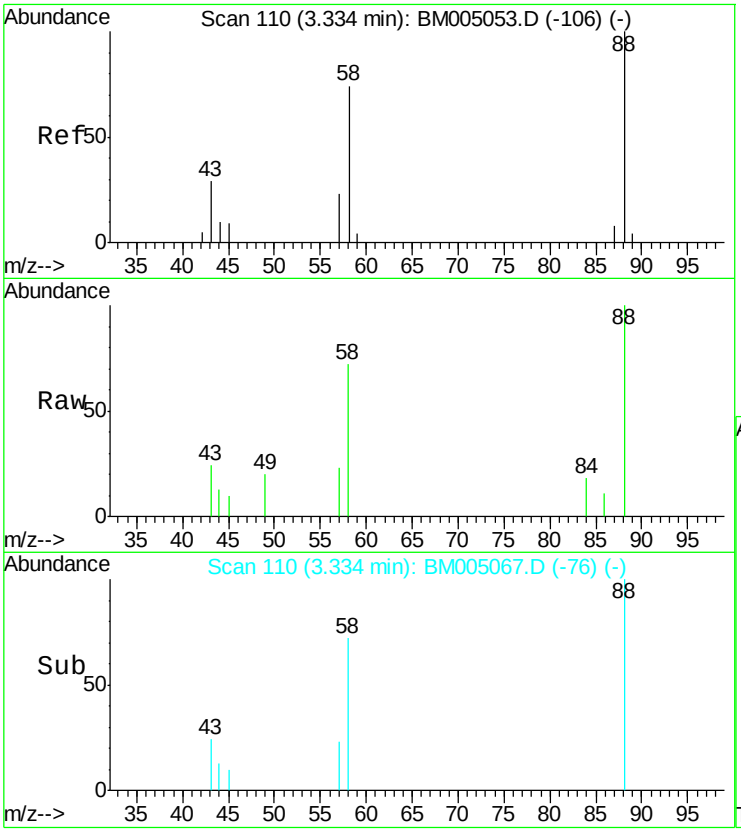
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042516\
Data File : BM005067.D
Acq On : 26 Apr 2016 04:21
Operator : UM/SJ
Sample : H2584-10
Misc :
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
BC7Q2

Quant Time: Apr 26 05:00:36 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM042516.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 26 00:45:11 2016
Response via : Initial Calibration



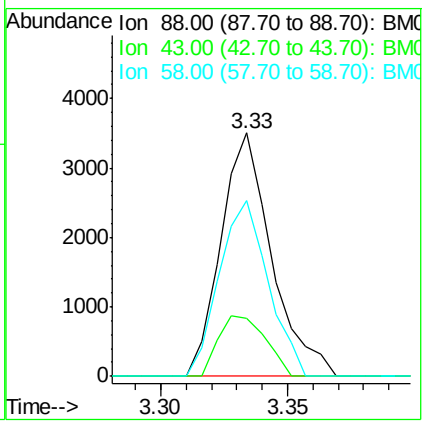


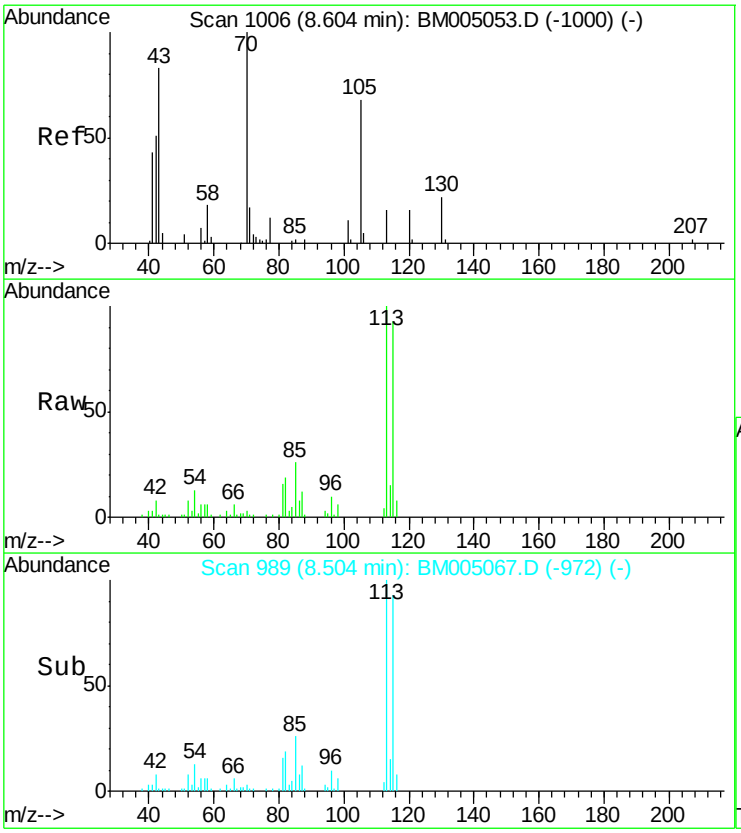

#2
1,4-Dioxane
Concen: 4.61 ng/uL
RT: 3.33 min Scan# 110
Delta R.T. -0.00 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

**Instrument :**
BNA_M
**ClientSampleId :**
BC7Q2

Tgt Ion: 88 Resp: 4872

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 43 | 23.1 | 23.0 | 34.4 |
| 58 | 69.4 | 55.4 | 83.2 |

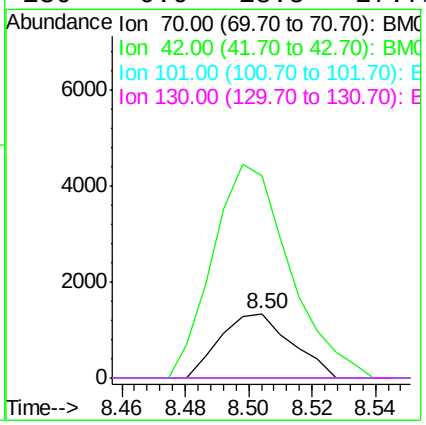


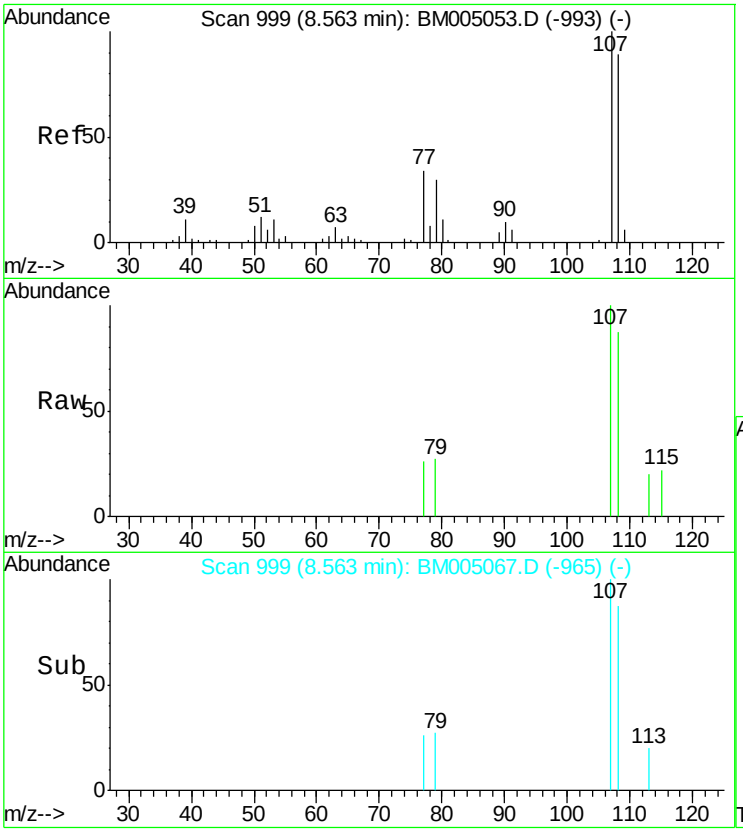




#15
N-Nitroso-di-n-propylamine
Concen: 1.37 ng/ul
RT: 8.50 min Scan# 989
Delta R.T. -0.10 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

Tgt Ion: 70 Resp: 2102

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 314.0 | 40.6 | 60.8# |
| 101 | 0.0 | 8.2 | 12.4# |
| 130 | 0.0 | 18.5 | 27.7# |



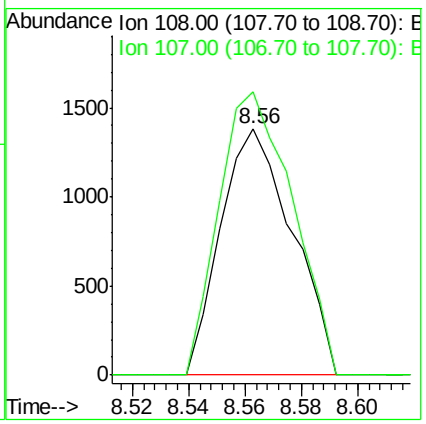


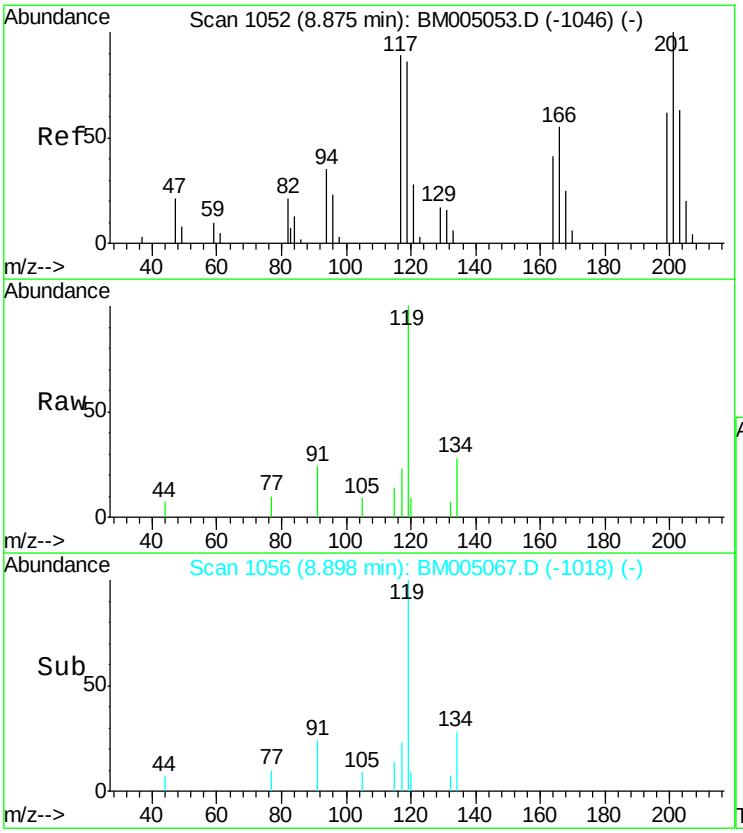

#16
4-Methylphenol
Concen: 1.12 ng/ul
RT: 8.56 min Scan# 999
Delta R.T. -0.00 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

**Instrument :**
BNA_M
**ClientSampleId :**
BC7Q2

Tgt Ion:108 Resp: 2433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 108 | 100 | | |
| 107 | 114.8 | 91.0 | 136.6 |

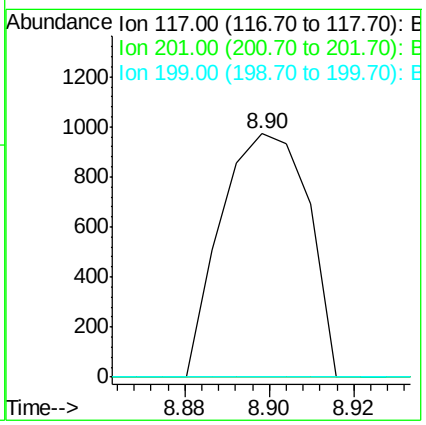


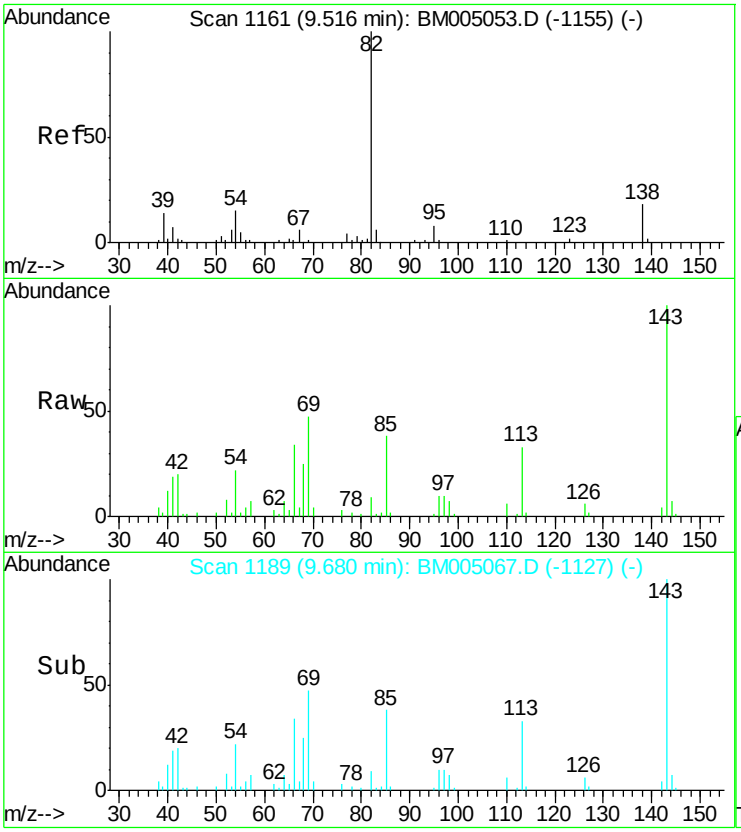




#17
Hexachloroethane
Concen: 1.80 ng/ul
RT: 8.90 min Scan# 1056
Delta R.T. 0.02 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

Tgt Ion:117 Resp: 1398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 88.5 | 132.7# |
| 199 | 0.0 | 55.4 | 83.2# |



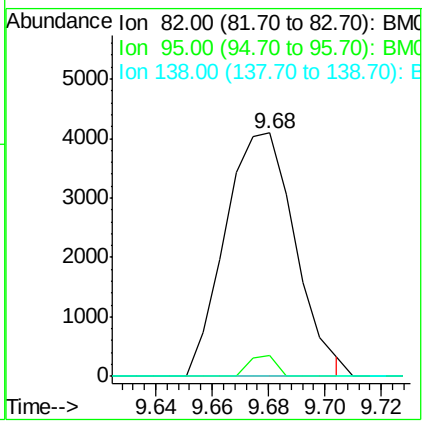


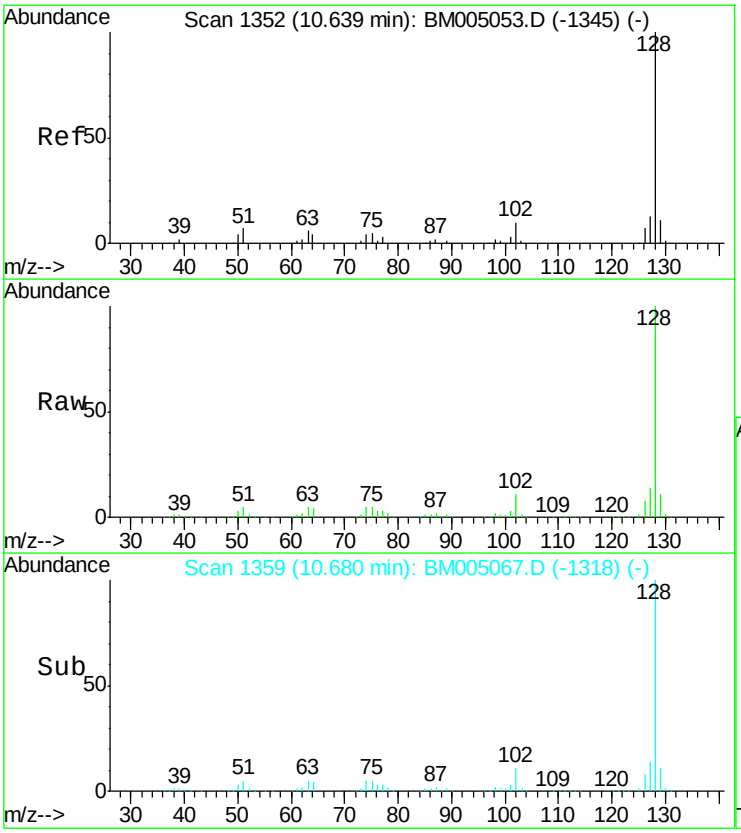

#21
Isophorone
Concen: 1.56 ng/ul
RT: 9.68 min Scan# 1189
Delta R.T. 0.16 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

**Instrument :**
BNA_M
**ClientSampleId :**
BC7Q2

Tgt Ion: 82 Resp: 7016

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 8.5 | 6.0 | 9.0 |
| 138 | 0.0 | 14.6 | 22.0# |

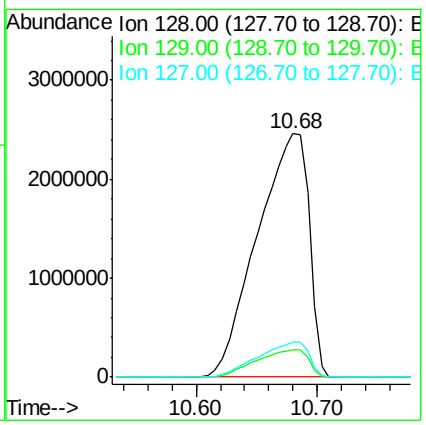


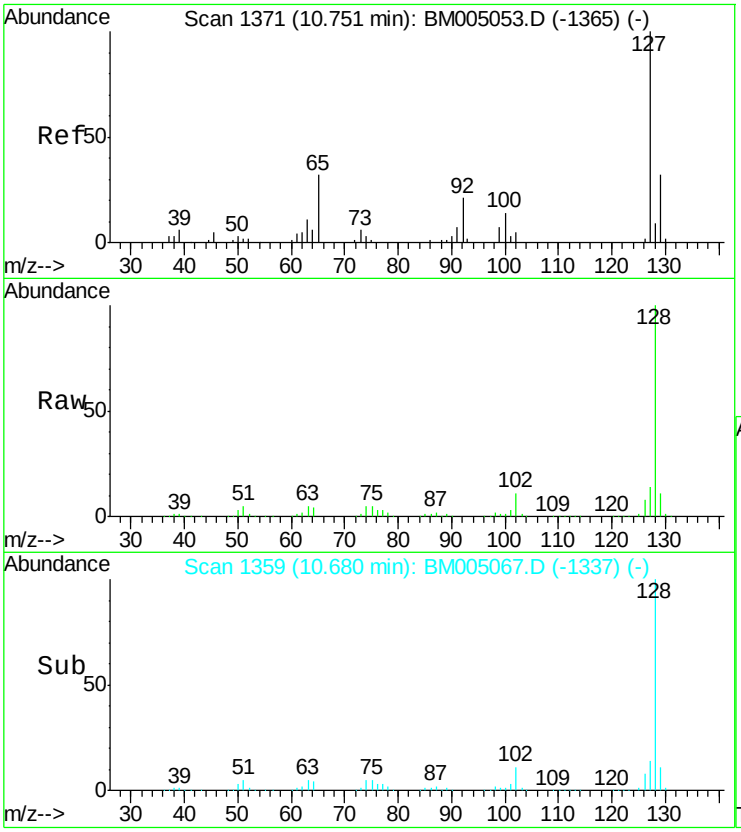




#28
Naphthalene
Concen: 1038.34 ng/ul
RT: 10.68 min Scan# 1359
Delta R.T. 0.04 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

Tgt Ion:128 Resp: 7300270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.4 | 8.7 | 13.1 |
| 127 | 14.3 | 10.6 | 15.8 |



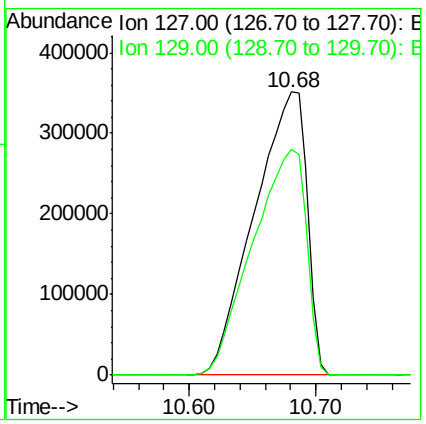


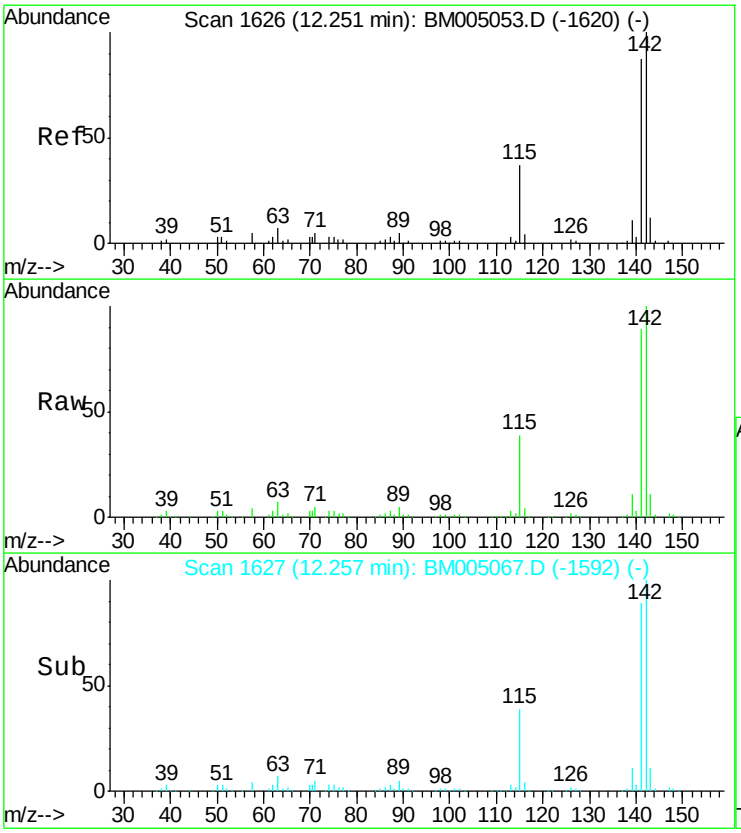

#30
4-Chloroaniline
Concen: 417.03 ng/ul
RT: 10.68 min Scan# 1359
Delta R.T. -0.07 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

**Instrument :**
BNA_M
**ClientSampleId :**
BC7Q2

Tgt Ion:127 Resp: 1018371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 79.7 | 26.0 | 39.0# |

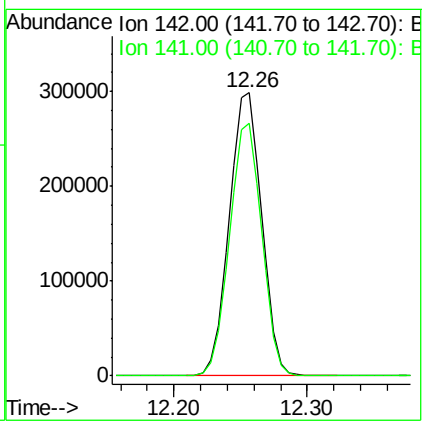


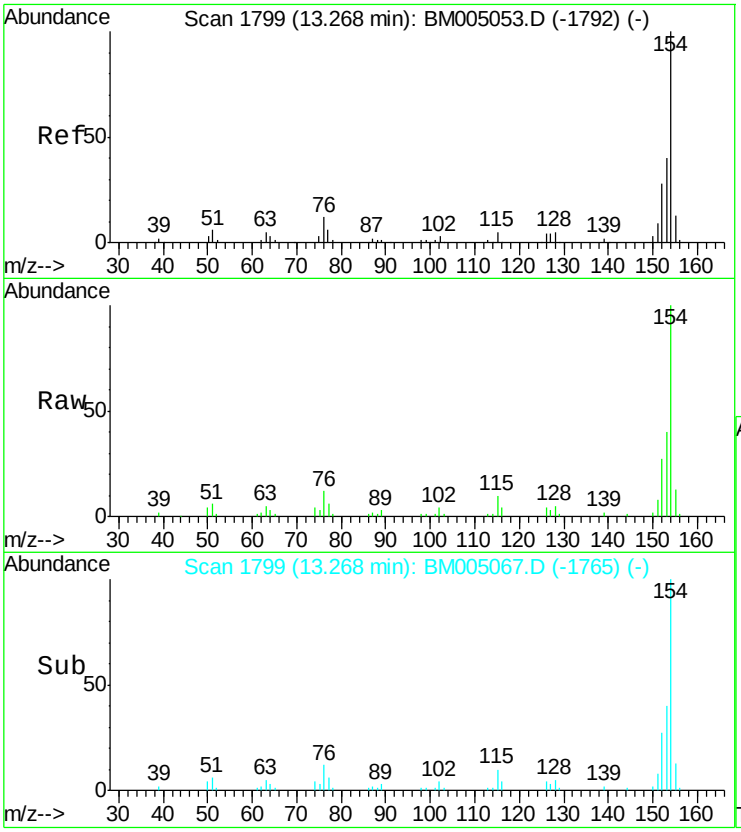




#34
2-Methylnaphthalene
Concen: 97.17 ng/ul
RT: 12.26 min Scan# 1627
Delta R.T. 0.01 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

Tgt Ion:142 Resp: 505676

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.4 | 70.3 | 105.5 |



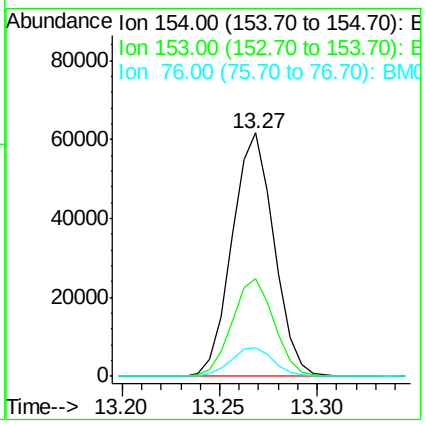


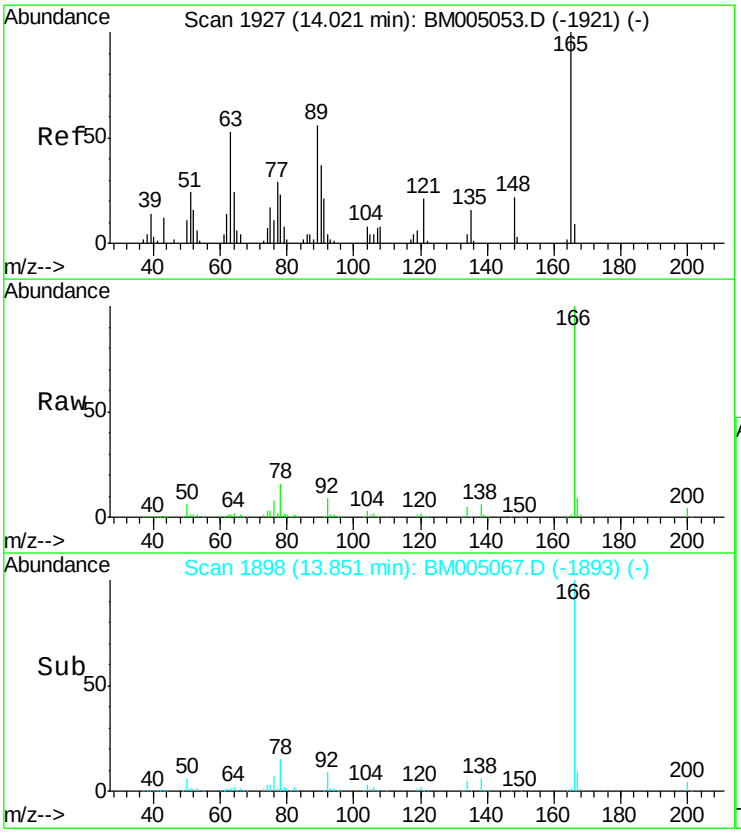

#40
1,1'-Biphenyl
Concen: 11.49 ng/ul
RT: 13.27 min Scan# 1799
Delta R.T. -0.00 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

**Instrument :**
BNA_M
**ClientSampleId :**
BC7Q2

Tgt Ion:154 Resp: 91833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.3 | 31.5 | 47.3 |
| 76 | 11.7 | 10.1 | 15.1 |

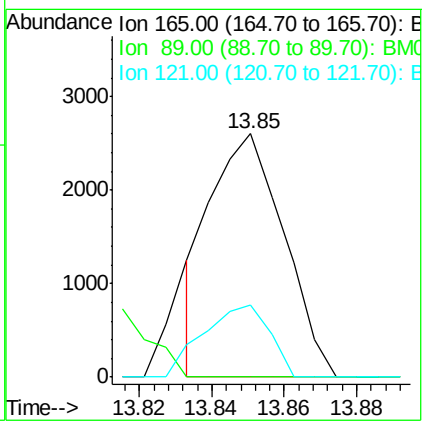


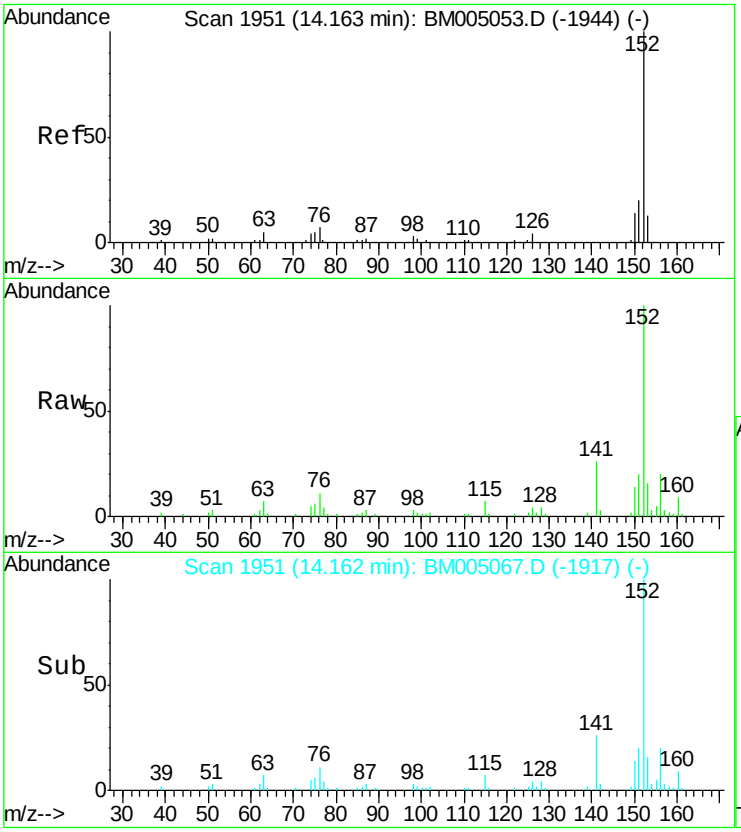




#45
2,6-Dinitrotoluene
Concen: 2.37 ng/ul
RT: 13.85 min Scan# 1898
Delta R.T. -0.17 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

Tgt Ion:165 Resp: 3658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 89 | 0.0 | 43.1 | 64.7# |
| 121 | 29.4 | 16.0 | 24.0# |



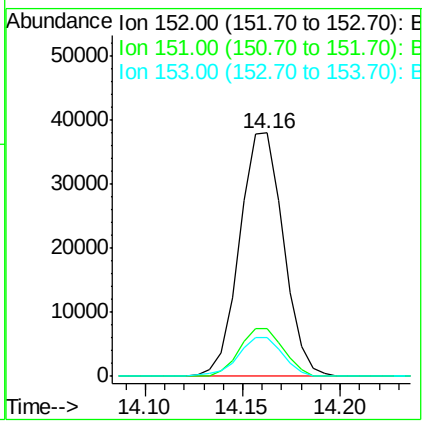


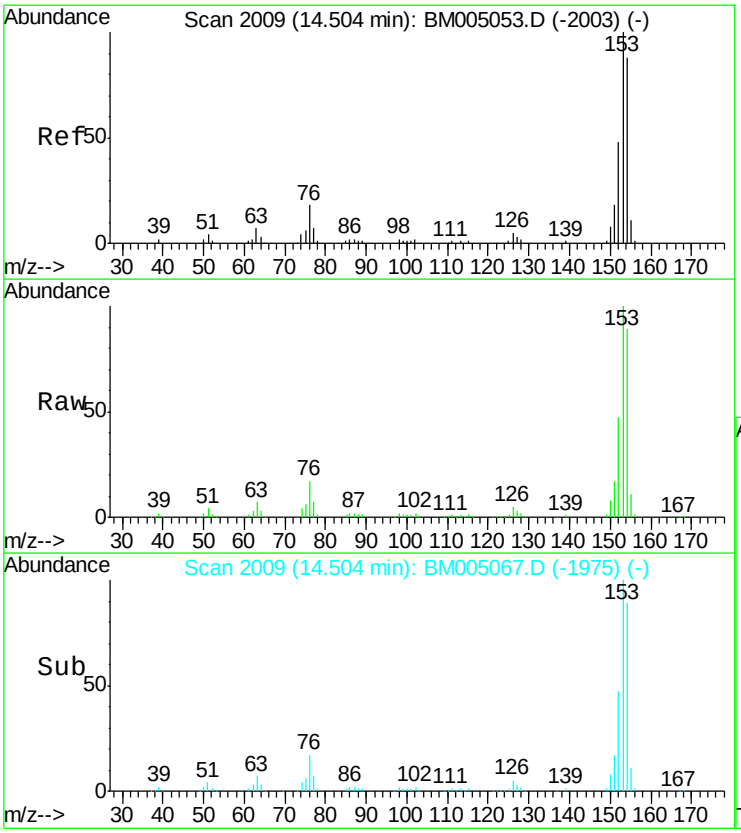

#47
Acenaphthylene
Concen: 5.88 ng/ul
RT: 14.16 min Scan# 1951
Delta R.T. -0.00 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

**Instrument :**
BNA_M
**ClientSampleId :**
BC7Q2

Tgt Ion:152 Resp: 59081

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.8 | 15.8 | 23.8 |
| 153 | 15.8 | 10.3 | 15.5# |

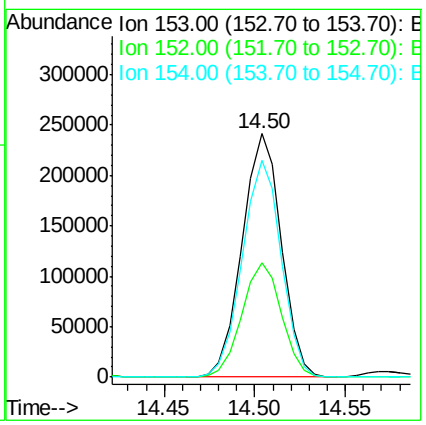


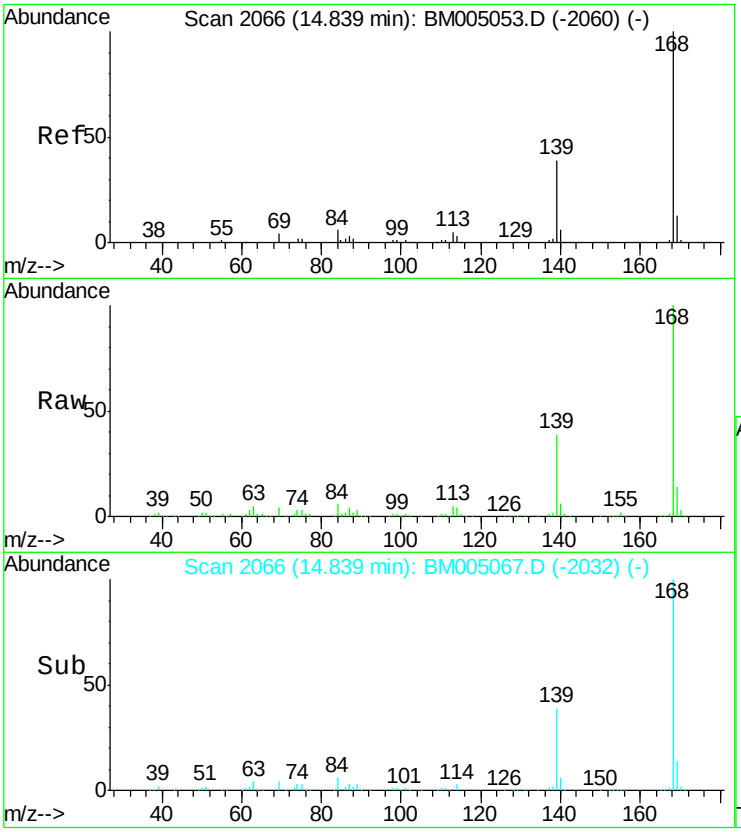




#49
Acenaphthene
Concen: 54.86 ng/ul
RT: 14.50 min Scan# 2009
Delta R.T. -0.00 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

Tgt Ion:153 Resp: 362915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 47.0 | 37.7 | 56.5 |
| 154 | 88.8 | 71.4 | 107.2 |



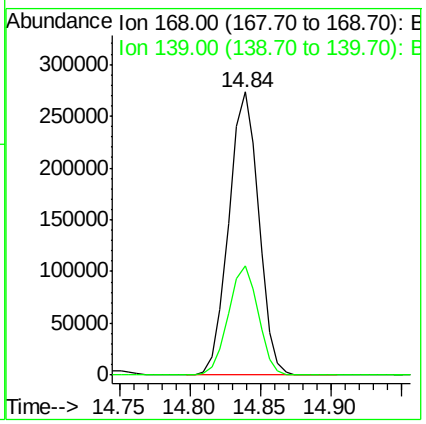


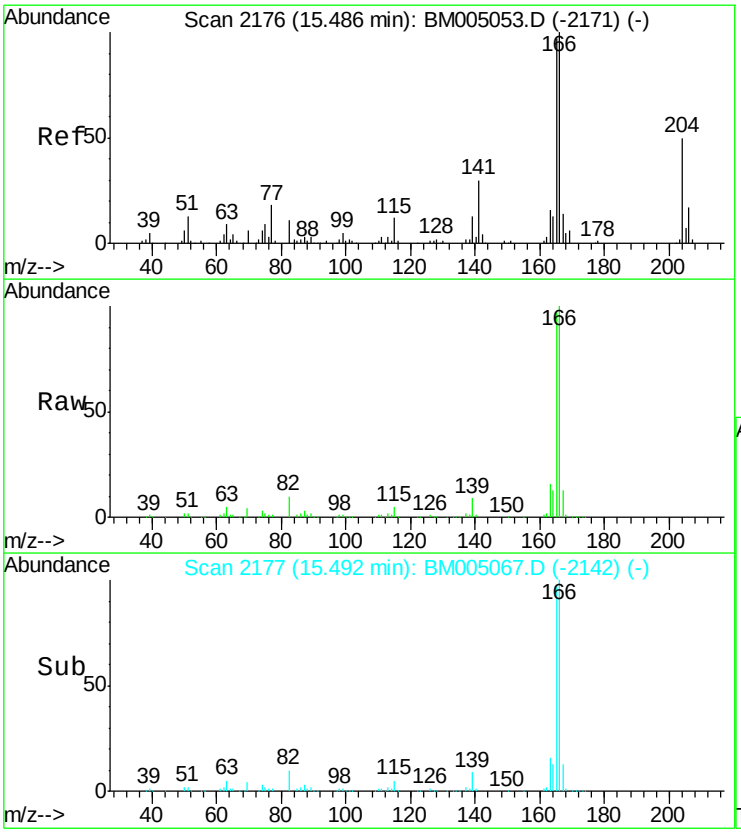

#53
Dibenzofuran
Concen: 41.43 ng/ul
RT: 14.84 min Scan# 2066
Delta R.T. -0.00 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

**Instrument :**
BNA_M
**ClientSampleId :**
BC7Q2

Tgt Ion:168 Resp: 404164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 38.8 | 29.9 | 44.9 |

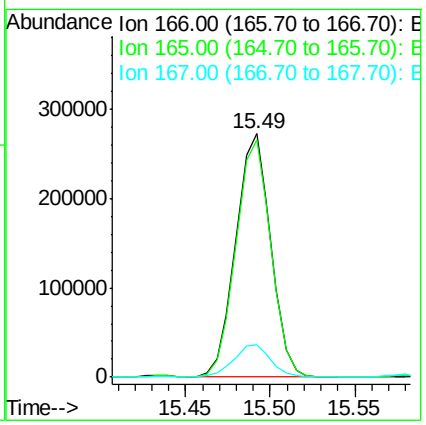


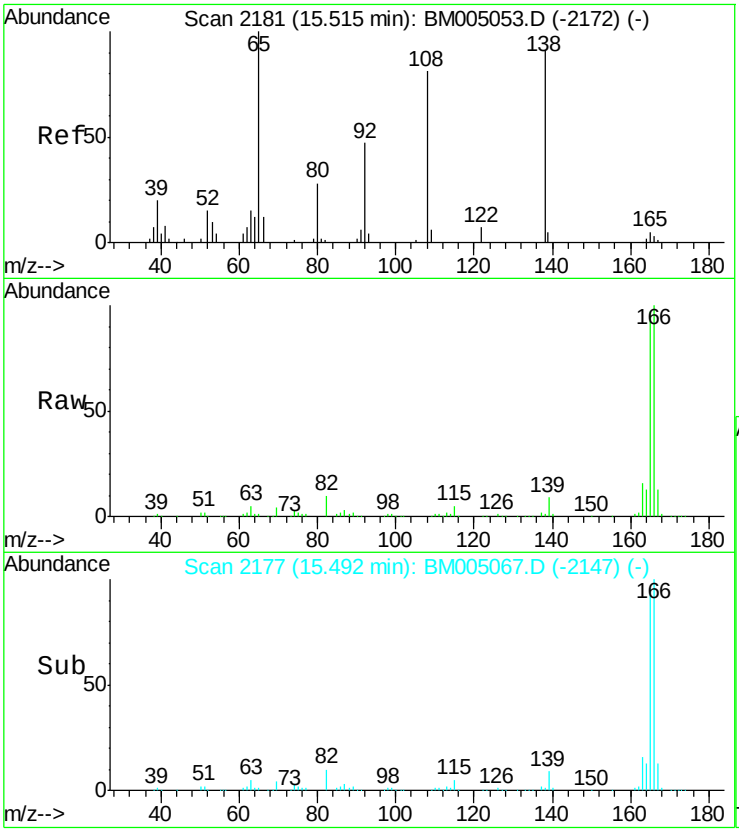




#58
Fluorene
Concen: 51.91 ng/ul
RT: 15.49 min Scan# 2177
Delta R.T. 0.01 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

Tgt Ion:166 Resp: 393178

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.2 | 77.7 | 116.5 |
| 167 | 13.3 | 10.9 | 16.3 |



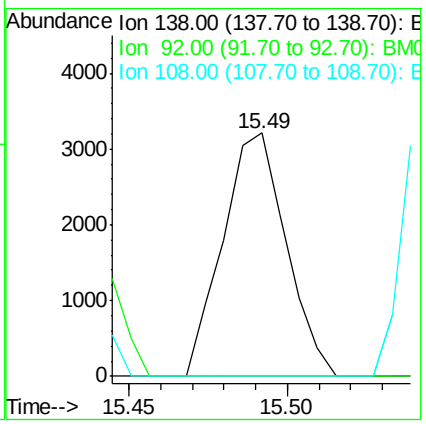


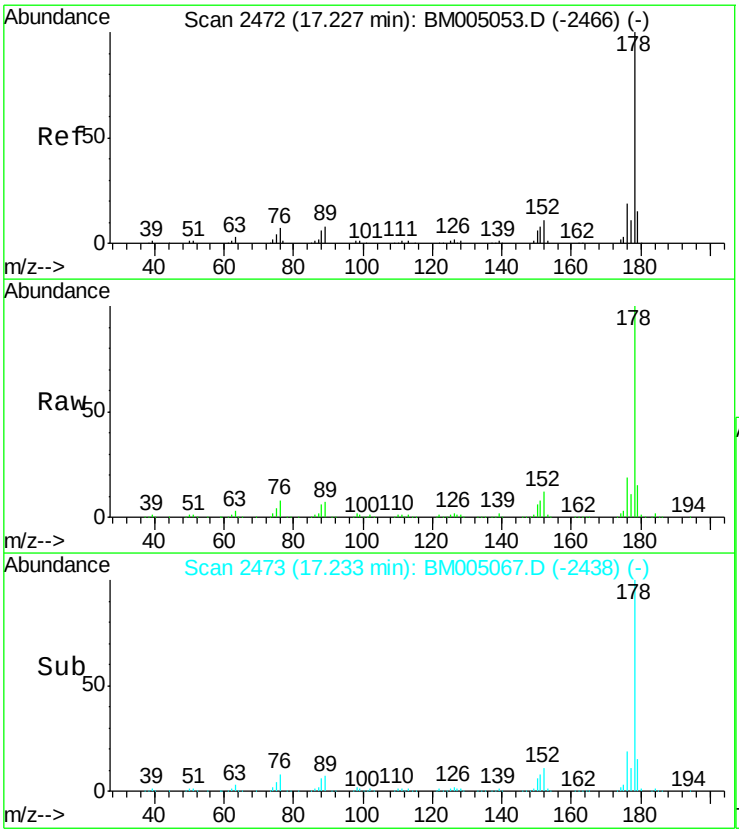

#60
4-Nitroaniline
Concen: 2.61 ng/ul
RT: 15.49 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

**Instrument :**
BNA_M
**ClientSampleId :**
BC7Q2

Tgt Ion:138 Resp: 4434

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 0.0 | 41.0 | 61.6# |
| 108 | 0.0 | 66.8 | 100.2# |

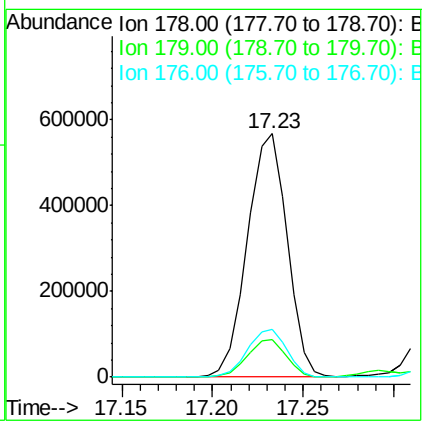


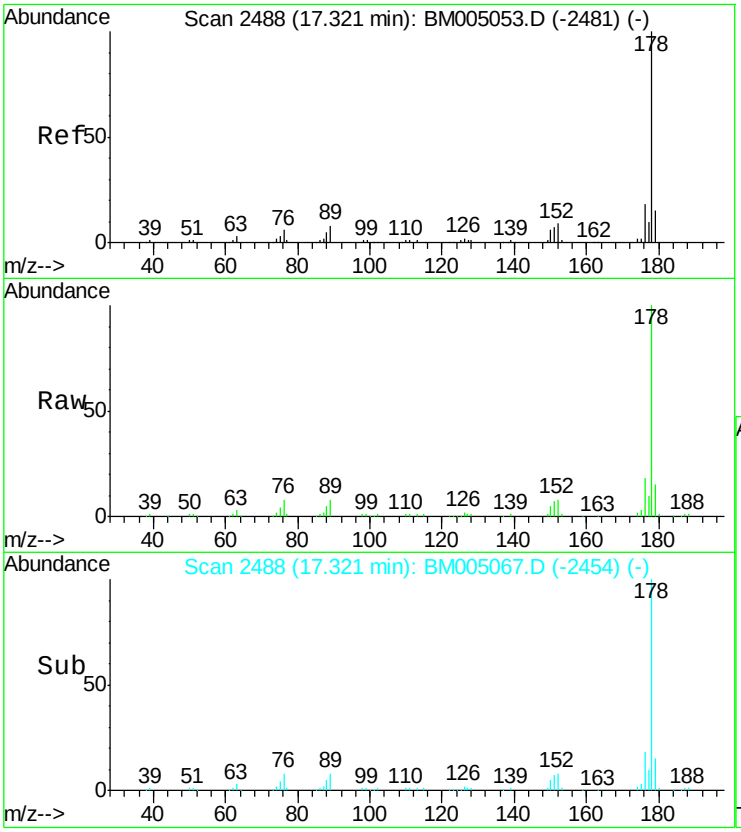




#69
Phenanthrene
Concen: 65.89 ng/ul
RT: 17.23 min Scan# 2473
Delta R.T. 0.01 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

Tgt Ion:178 Resp: 866153

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.5 | 11.8 | 17.8 |
| 176 | 19.5 | 15.2 | 22.8 |



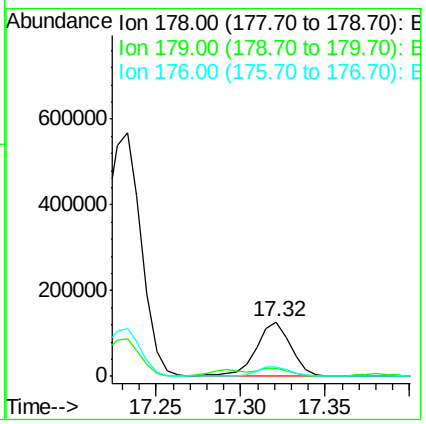


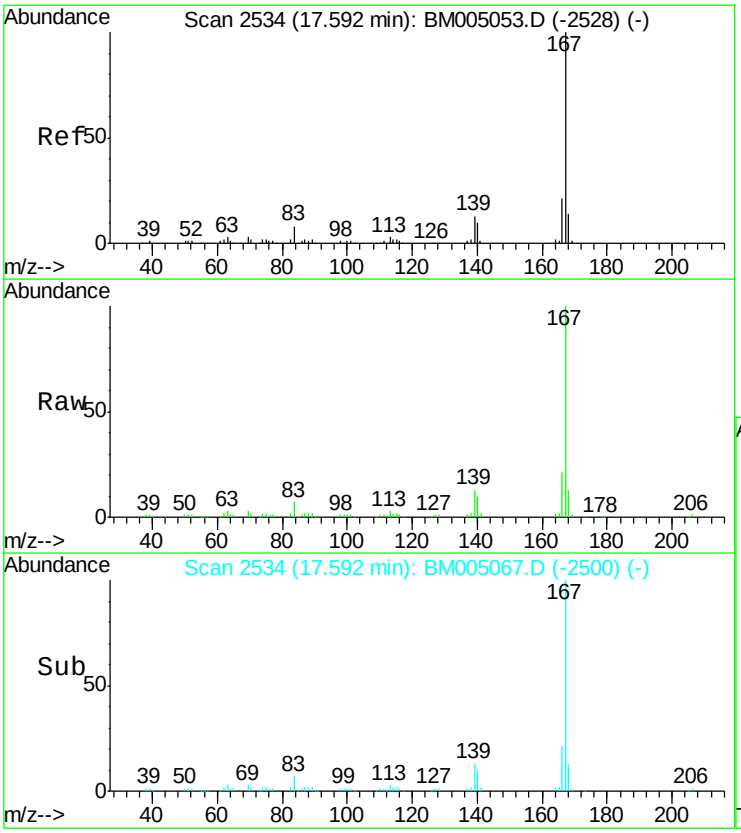

#71
Anthracene
Concen: 13.41 ng/ul
RT: 17.32 min Scan# 2488
Delta R.T. -0.00 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

**Instrument :**
BNA_M
**ClientSampleId :**
BC7Q2

Tgt Ion:178 Resp: 177735

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.0 | 12.1 | 18.1 |
| 176 | 17.9 | 14.6 | 22.0 |

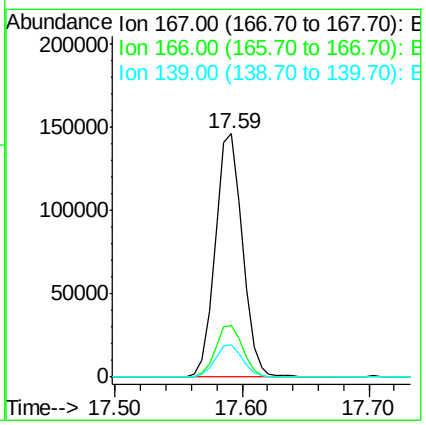


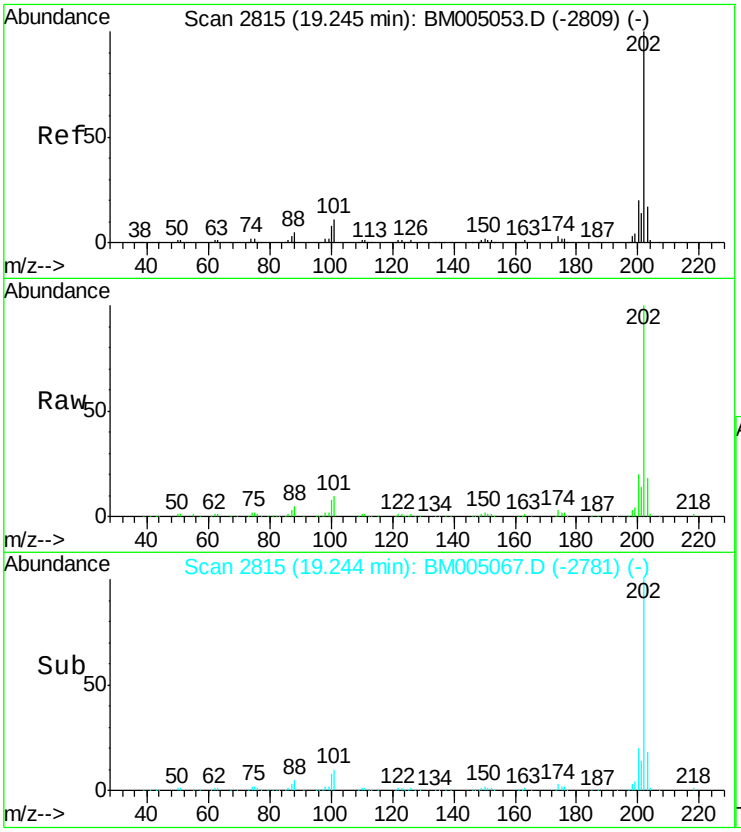




#72
Carbazole
Concen: 19.29 ng/ul
RT: 17.59 min Scan# 2534
Delta R.T. -0.00 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

Tgt Ion:167 Resp: 219238

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.0 | 16.6 | 25.0 |
| 139 | 13.1 | 10.2 | 15.4 |



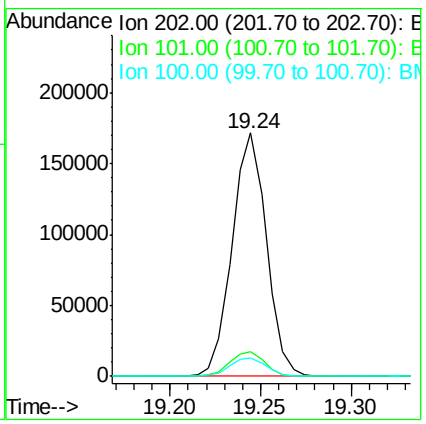


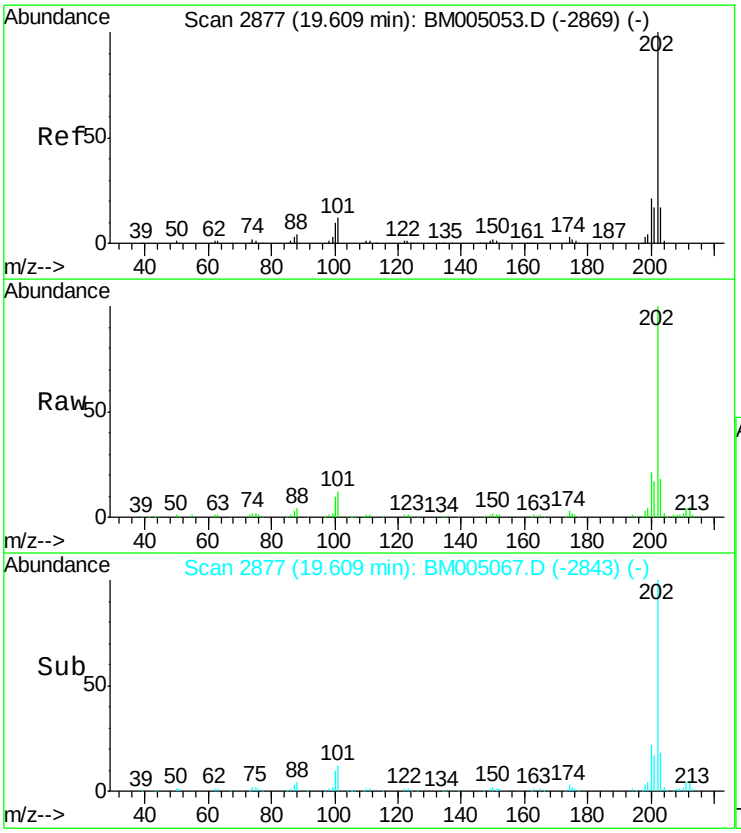

#74
Fluoranthene
Concen: 15.59 ng/ul
RT: 19.24 min Scan# 2815
Delta R.T. -0.00 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

**Instrument :**
BNA_M
**ClientSampleId :**
BC7Q2

Tgt Ion:202 Resp: 225537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 10.1 | 9.0 | 13.4 |
| 100 | 7.5 | 6.6 | 10.0 |




#77
Pyrene
Concen: 7.80 ng/ul
RT: 19.61 min Scan# 2877
Delta R.T. -0.00 min
Lab File: BM005067.D
Acq: 26 Apr 2016 04:21

Tgt Ion:202 Resp: 134820

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.6 | 10.5 | 15.7 |
| 100 | 9.6 | 8.2 | 12.2 |