Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121915\
Data File : BM003625.D
Acq On : 19 Dec 2015 18:20
Operator : UM/SJ
Sample : G4801-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** G9C66

Quant Time: Dec 20 01:40:08 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 20 01:33:56 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.70 | 152 | 29881 | 20.00 | ng/ul | 0.00 |
| 18) Naphthalene-d8 | 10.49 | 136 | 147335 | 20.00 | ng/ul | 0.00 |
| 36) Acenaphthene-d10 | 14.35 | 164 | 94761 | 20.00 | ng/ul | 0.00 |
| 62) Phenanthrene-d10 | 17.10 | 188 | 227563 | 20.00 | ng/ul | 0.00 |
| 78) Chrysene-d12 | 21.30 | 240 | 298270 | 20.00 | ng/ul | 0.00 |
| 86) Perylene-d12 | 23.55 | 264 | 330884 | 20.00 | ng/ul | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 1,4-Dioxane-d8 | 3.16 | 96 | 1452 | 2.62 | ng/uL | 0.00 |
| 5) Phenol-d5 | 6.87 | 99 | 33010 | 13.11 | ng/ul | 0.00 |
| 7) Bis-(2-Chloroethyl)ether-d | 7.03 | 67 | 21981 | 16.38 | ng/ul | 0.00 |
| 9) 2-Chlorophenol-d4 | 7.23 | 132 | 29875 | 14.54 | ng/ul | 0.00 |
| 13) 4-Methylphenol-d8 | 8.40 | 113 | 20938 | 9.60 | ng/ul | 0.00 |
| 19) Nitrobenzene-d5 | 8.85 | 128 | 17091 | 15.99 | ng/ul | 0.00 |
| 22) 2-Nitrophenol-d4 | 9.57 | 143 | 18442 | 15.34 | ng/ul | 0.00 |
| 26) 2,4-Dichlorophenol-d3 | 10.11 | 165 | 29509 | 13.44 | ng/ul | 0.00 |
| 29) 4-Chloroaniline-d4 | 10.63 | 131 | 35415 | 12.12 | ng/ul | 0.00 |
| 44) Dimethylphthalate-d6 | 13.76 | 166 | 127296 | 16.25 | ng/ul | 0.00 |
| 47) Acenaphthylene-d8 | 14.04 | 160 | 134578 | 15.09 | ng/ul | 0.00 |
| 52) 4-Nitrophenol-d4 | 14.56 | 143 | 18498 | 12.13 | ng/ul | 0.00 |
| 58) Fluorene-d10 | 15.34 | 176 | 105945 | 16.35 | ng/ul | 0.00 |
| 63) 4,6-Dinitro-2-methylphenol | 15.47 | 200 | 16235 | 12.66 | ng/ul | 0.00 |
| 71) Anthracene-d10 | 17.20 | 188 | 160076 | 15.46 | ng/ul | 0.00 |
| 79) Pyrene-d10 | 19.50 | 212 | 182442 | 14.00 | ng/ul | 0.00 |
| 90) Benzo(a)pyrene-d12 | 23.40 | 264 | 229015 | 13.93 | ng/ul | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 4) Benzaldehyde | 6.85 | 77 | 1627 | 1.12 | ng/ul# | 1 |
| 17) Hexachloroethane | 8.80 | 117 | 2415 | 2.97 | ng/ul# | 7 |
| 28) Naphthalene | 10.54 | 128 | 363686 | 47.91 | ng/ul | 100 |
| 34) 2-Methylnaphthalene | 12.16 | 142 | 182739 | 32.24 | ng/ul | 99 |
| 35) 1-Methylnaphthalene | 12.38 | 142 | 144472 | 26.83 | ng/ul | 97 |
| 41) 1,1'-Biphenyl | 13.18 | 154 | 13259 | 1.72 | ng/ul | 100 |
| 45) Dimethylphthalate | 13.81 | 163 | 97364 | 12.15 | ng/ul | 100 |
| 48) Acenaphthylene | 14.07 | 152 | 23617 | 2.42 | ng/ul# | 88 |
| 50) Acenaphthene | 14.42 | 153 | 54011 | 8.29 | ng/ul | 98 |
| 54) Dibenzofuran | 14.75 | 168 | 9974 | 1.07 | ng/ul | 88 |
| 59) Fluorene | 15.40 | 166 | 42787 | 5.74 | ng/ul | 98 |
| 70) Phenanthrene | 17.14 | 178 | 213492 | 16.96 | ng/ul | 99 |
| 72) Anthracene | 17.23 | 178 | 56429 | 4.40 | ng/ul | 99 |
| 77) Fluoranthene | 19.16 | 202 | 114015 | 7.88 | ng/ul | 98 |
| 80) Pyrene | 19.53 | 202 | 158159 | 9.21 | ng/ul | 98 |
| 83) Benzo(a)anthracene | 21.29 | 228 | 67320 | 3.74 | ng/ul | 92 |
| 85) Chrysene | 21.34 | 228 | 76027 | 4.38 | ng/ul | 97 |
| 88) Benzo(b)fluoranthene | 22.87 | 252 | 55736 | 2.79 | ng/ul | 98 |
| 91) Benzo(a)pyrene | 23.45 | 252 | 44917 | 2.35 | ng/ul | 97 |
| 92) Indeno(1,2,3-cd)pyrene | 25.80 | 276 | 22386 | 1.09 | ng/ul | 94 |
| 94) Benzo(g,h,i)perylene | 26.50 | 276 | 18098 | 1.07 | ng/ul | 98 |

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121915\
Data File : BM003625.D
Acq On : 19 Dec 2015 18:20
Operator : UM/SJ
Sample : G4801-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
G9C66

Quant Time: Dec 20 01:40:08 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 20 01:33:56 2015
Response via : Initial Calibration

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

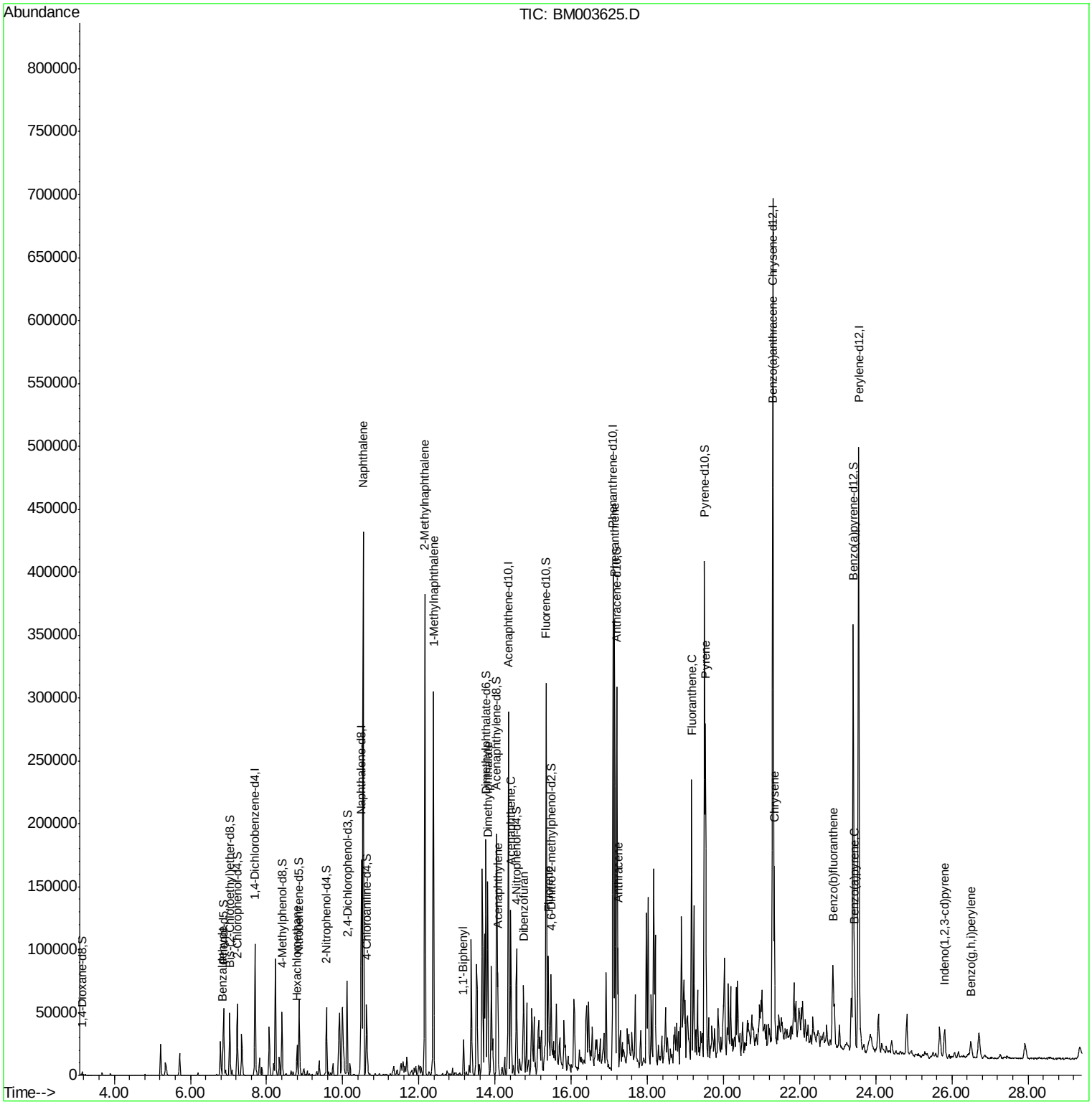
(#) = qualifier out of range (m) = manual integration (+) = signals summed

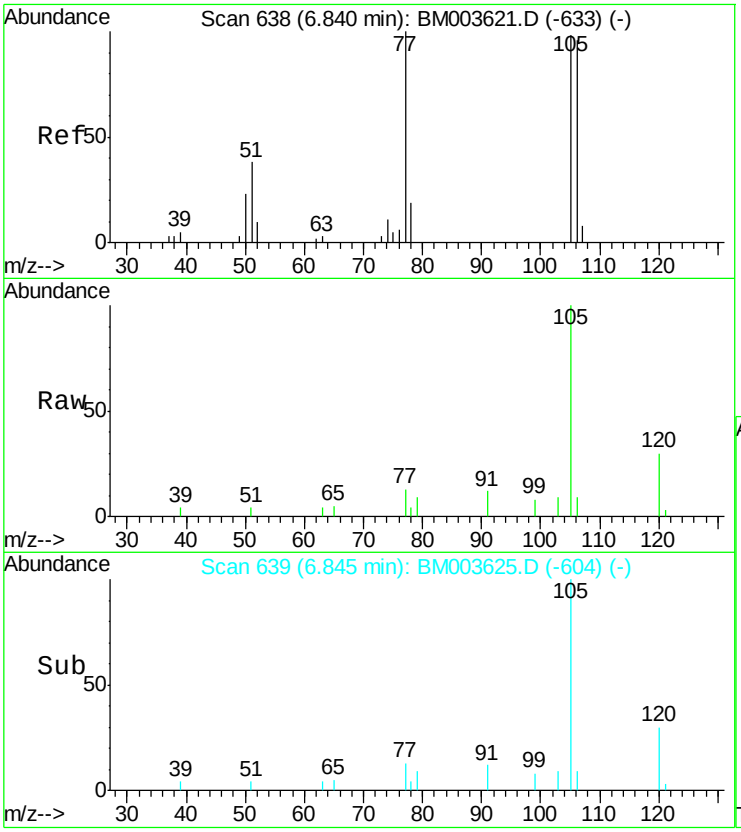
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121915\
Data File : BM003625.D
Acq On : 19 Dec 2015 18:20
Operator : UM/SJ
Sample : G4801-18
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
G9C66

Quant Time: Dec 20 01:40:08 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM121915.M
Quant Title : SVOA CALIBRATION
QLast Update : Sun Dec 20 01:33:56 2015
Response via : Initial Calibration



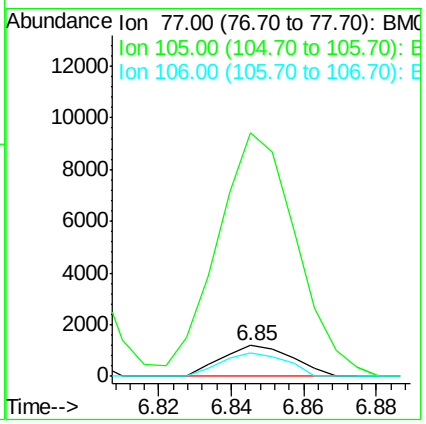


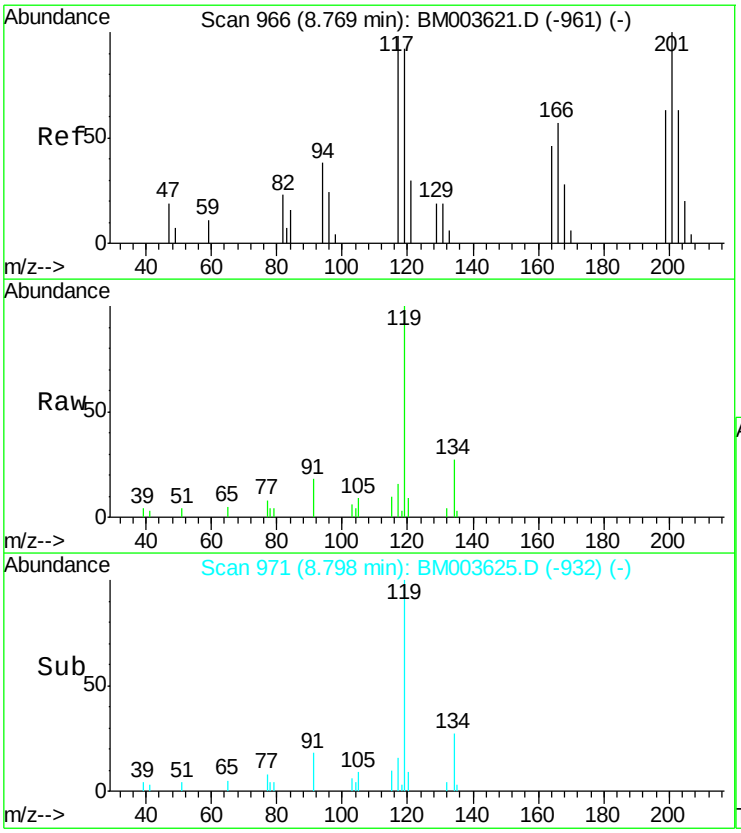

#4
Benzaldehyde
Concen: 1.12 ng/ul
RT: 6.85 min Scan# 639
Delta R.T. 0.01 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

**Instrument :**
BNA_M
**ClientSampleId :**
G9C66

Tgt Ion: 77 Resp: 1627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 785.7 | 80.6 | 120.8# |
| 106 | 73.7 | 77.7 | 116.5# |

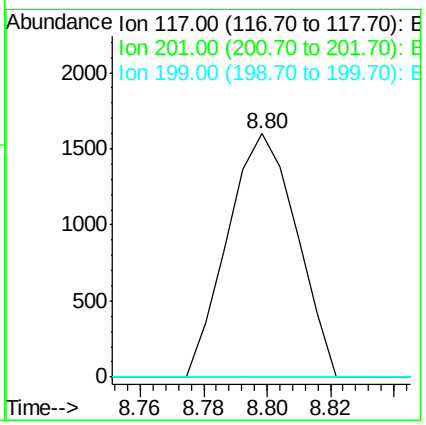


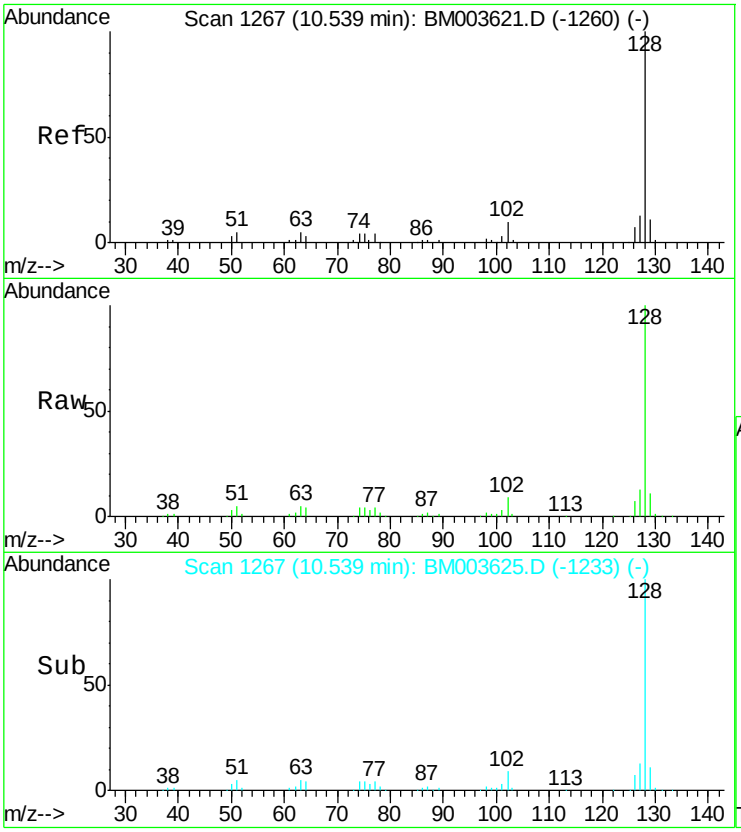




#17
Hexachloroethane
Concen: 2.97 ng/ul
RT: 8.80 min Scan# 971
Delta R.T. 0.03 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

Tgt Ion:117 Resp: 2415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 201 | 0.0 | 81.5 | 122.3# |
| 199 | 0.0 | 50.6 | 76.0# |



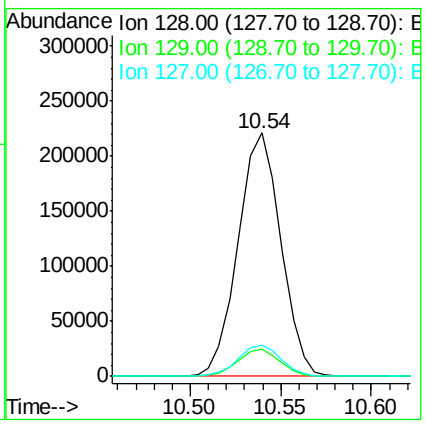


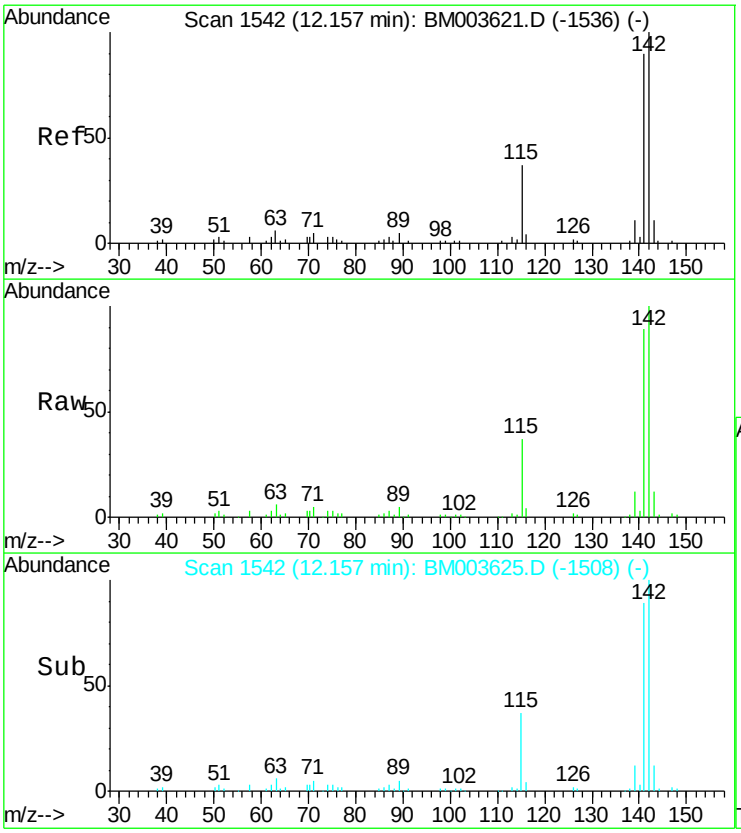

#28
Naphthalene
Concen: 47.91 ng/ul
RT: 10.54 min Scan# 1267
Delta R.T. -0.00 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

**Instrument :**
BNA_M
**ClientSampleId :**
G9C66

Tgt Ion:128 Resp: 363686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.0 | 8.8 | 13.2 |
| 127 | 12.9 | 10.5 | 15.7 |

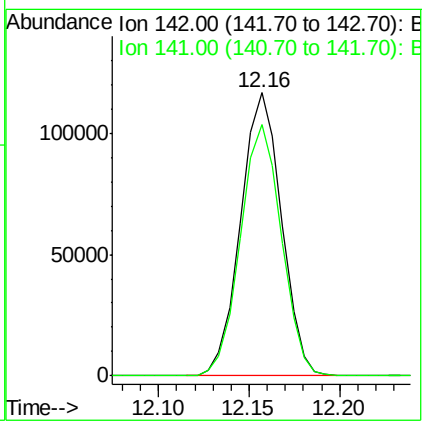


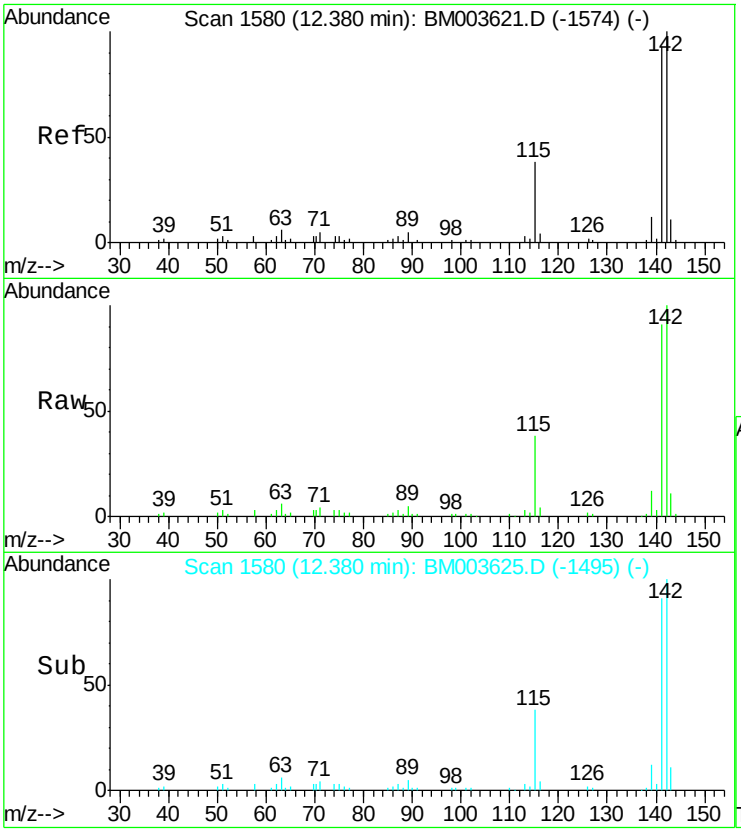




#34
2-Methylnaphthalene
Concen: 32.24 ng/ul
RT: 12.16 min Scan# 1542
Delta R.T. -0.00 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

Tgt Ion:142 Resp: 182739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.6 | 71.6 | 107.4 |



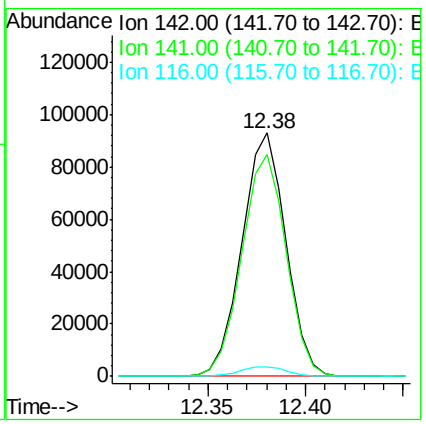


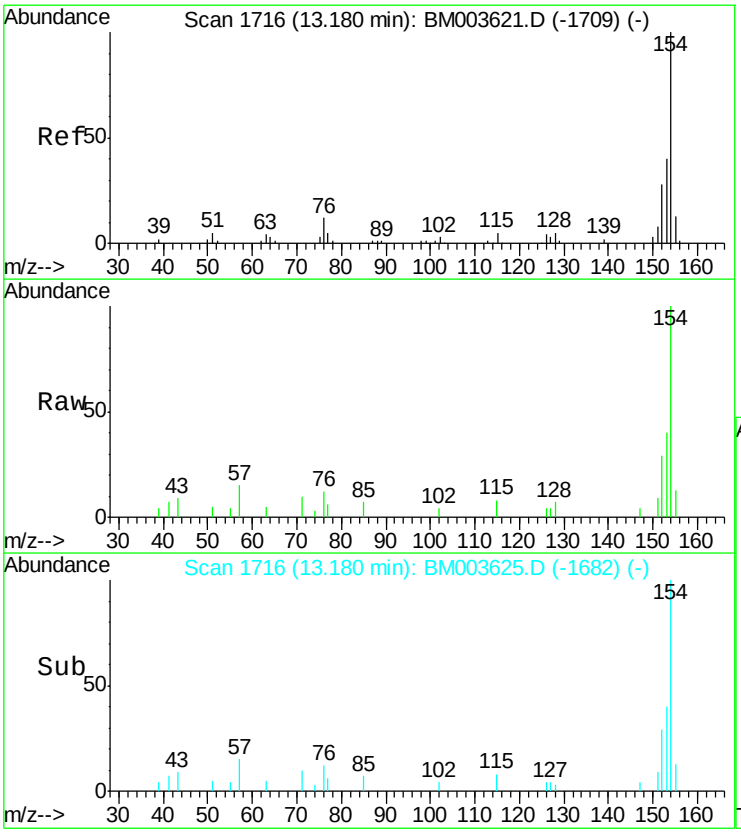

#35
1-Methylnaphthalene
Concen: 26.83 ng/ul
RT: 12.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

**Instrument :**
BNA_M
**ClientSampleId :**
G9C66

Tgt Ion:142 Resp: 144472

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 91.0 | 74.9 | 112.3 |
| 116 | 4.0 | 3.1 | 4.7 |

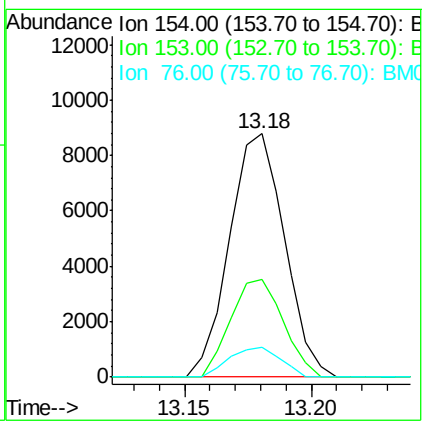


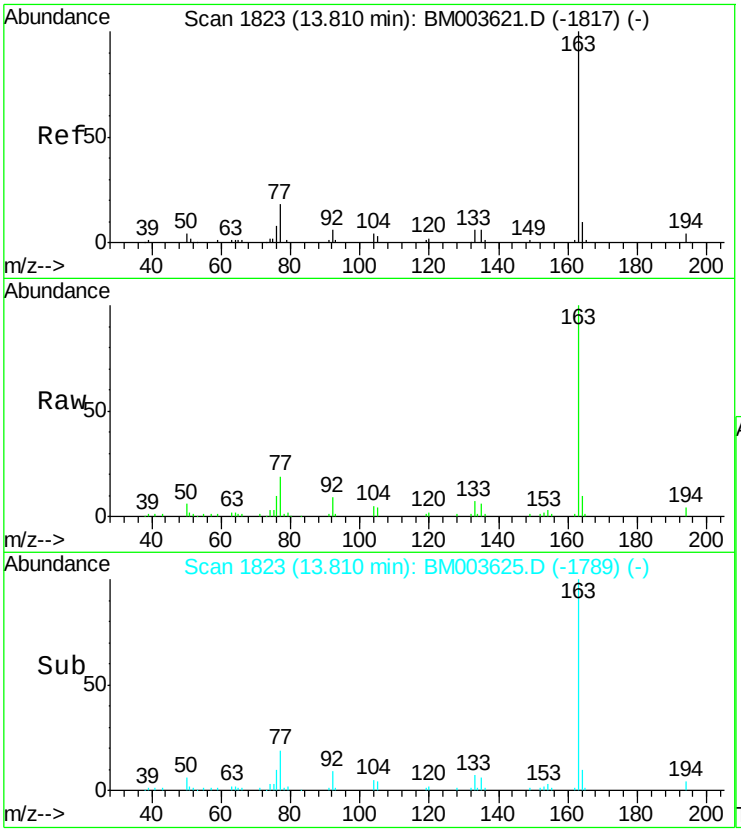




#41
1,1'-Biphenyl
Concen: 1.72 ng/ul
RT: 13.18 min Scan# 1716
Delta R.T. -0.00 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

Tgt Ion:154 Resp: 13259

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.1 | 32.1 | 48.1 |
| 76 | 12.3 | 9.5 | 14.3 |



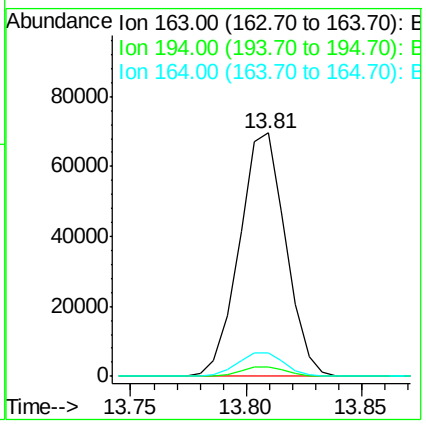


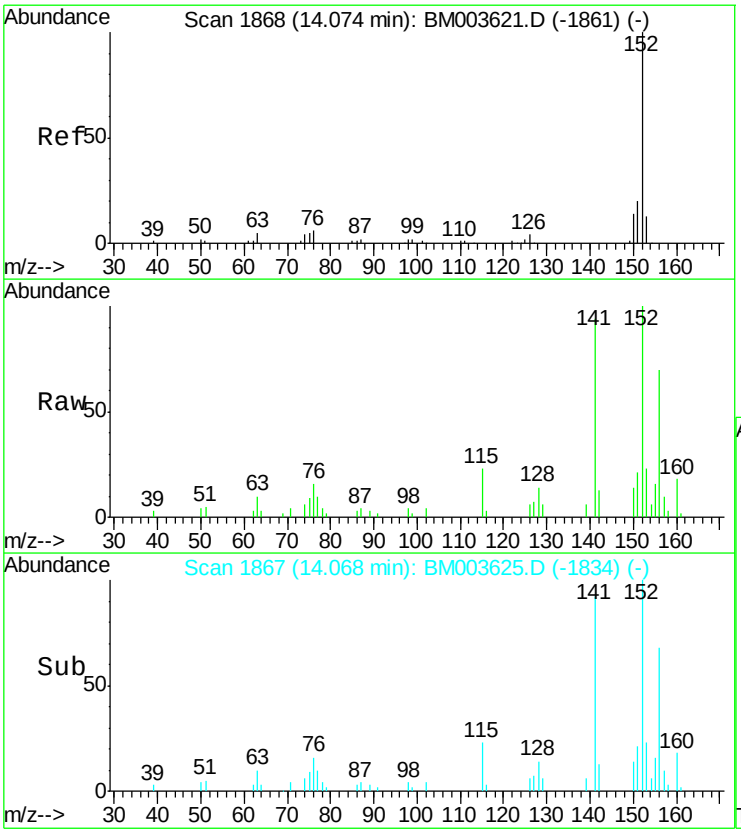

#45
Dimethylphthalate
Concen: 12.15 ng/ul
RT: 13.81 min Scan# 1823
Delta R.T. -0.00 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

**Instrument :**
BNA_M
**ClientSampleId :**
G9C66

Tgt Ion:163 Resp: 97364

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.2 | 4.8 |
| 164 | 9.9 | 7.8 | 11.8 |

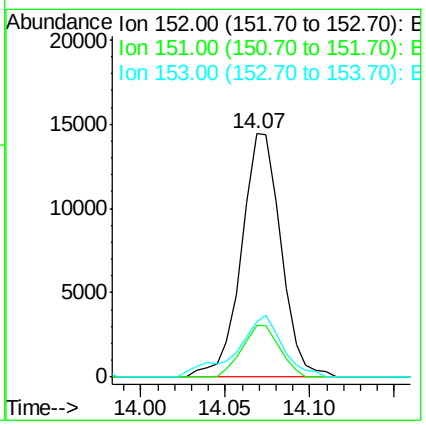


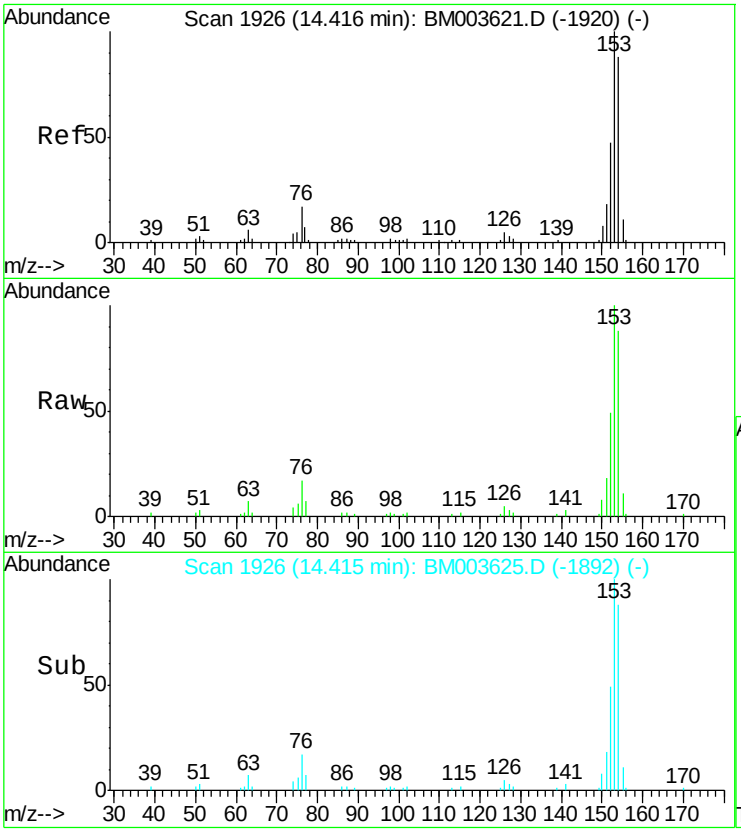




#48
Acenaphthylene
Concen: 2.42 ng/ul
RT: 14.07 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

Tgt Ion:152 Resp: 23617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.0 | 15.7 | 23.5 |
| 153 | 22.7 | 10.5 | 15.7# |



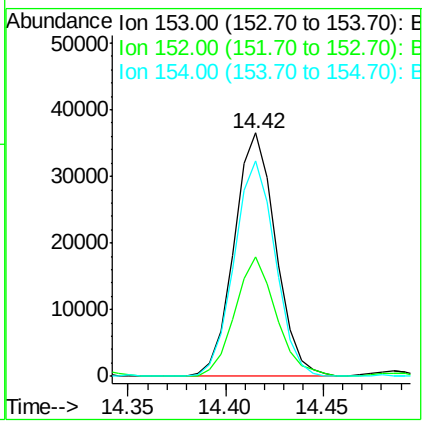


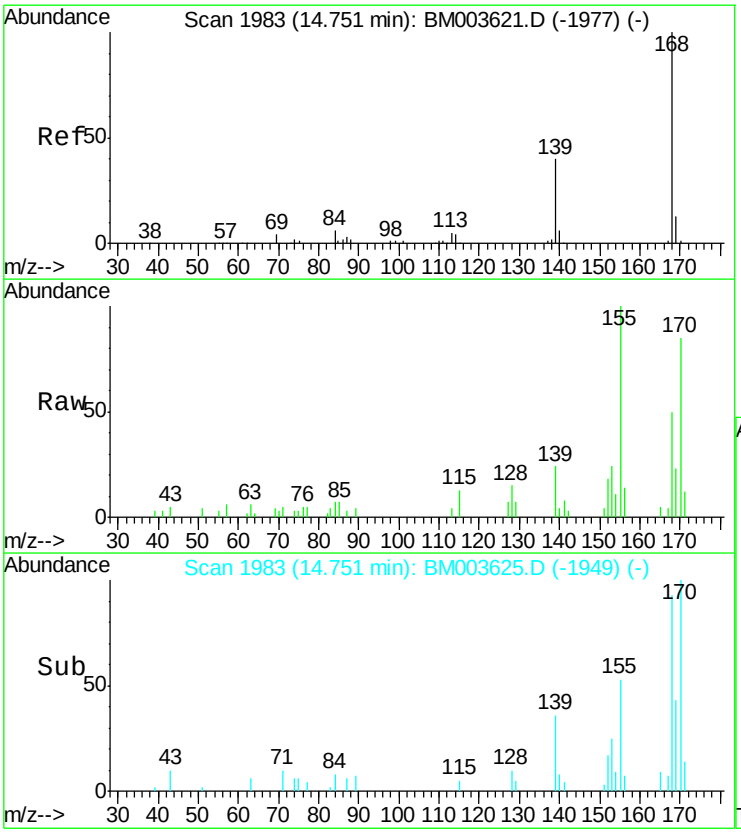

#50
Acenaphthene
Concen: 8.29 ng/ul
RT: 14.42 min Scan# 1926
Delta R.T. -0.00 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

**Instrument :**
BNA_M
**ClientSampleId :**
G9C66

Tgt Ion:153 Resp: 54011

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 153 | 100 | | |
| 152 | 49.0 | 38.3 | 57.5 |
| 154 | 88.2 | 71.8 | 107.8 |

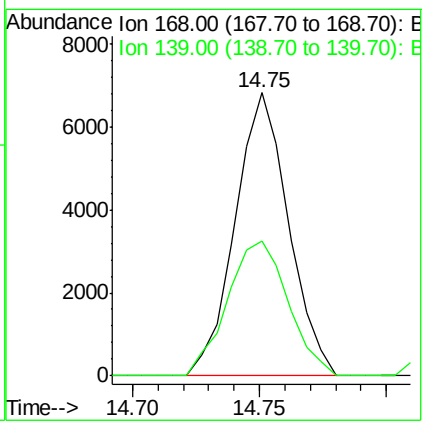


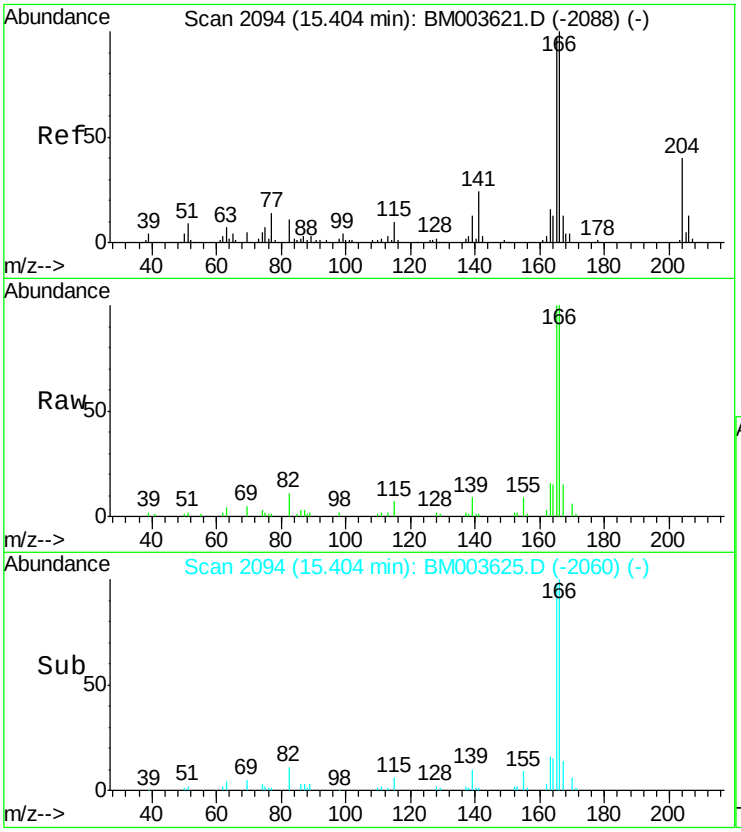




#54
Dibenzofuran
Concen: 1.07 ng/ul
RT: 14.75 min Scan# 1983
Delta R.T. -0.00 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

Tgt Ion:168 Resp: 9974

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 47.7 | 32.2 | 48.2 |



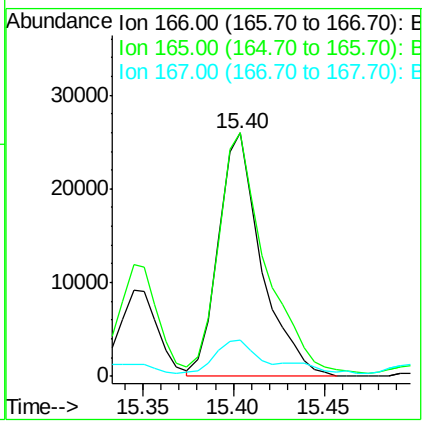


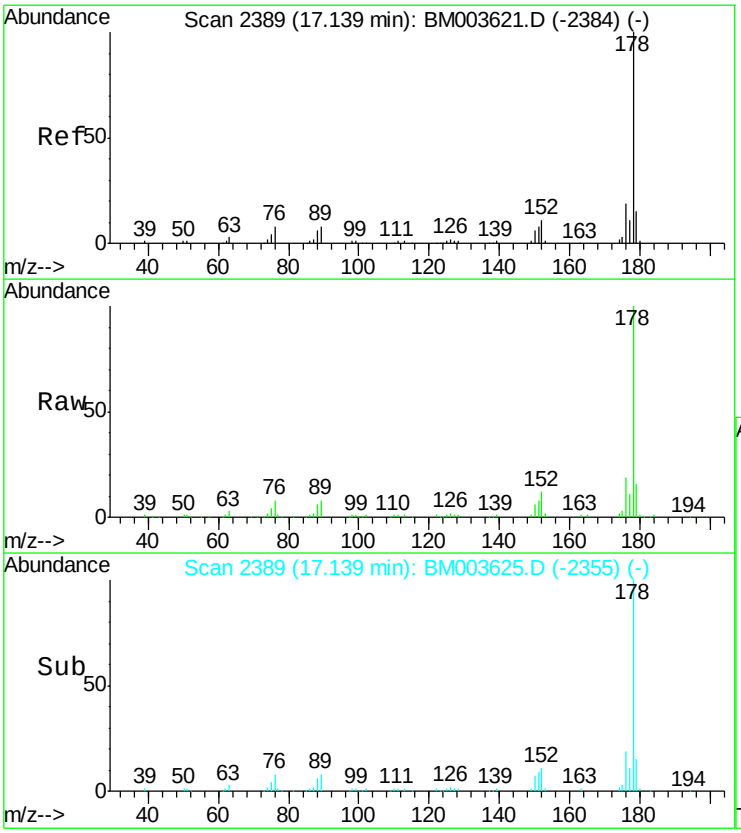

#59
Fluorene
Concen: 5.74 ng/ul
RT: 15.40 min Scan# 2094
Delta R.T. -0.00 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

**Instrument :**
BNA_M
**ClientSampleId :**
G9C66

Tgt Ion:166 Resp: 42787

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.0 | 78.5 | 117.7 |
| 167 | 14.7 | 10.7 | 16.1 |

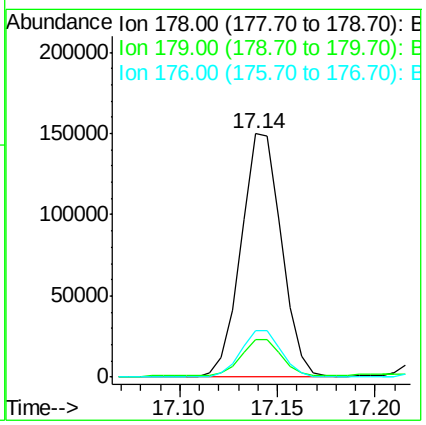


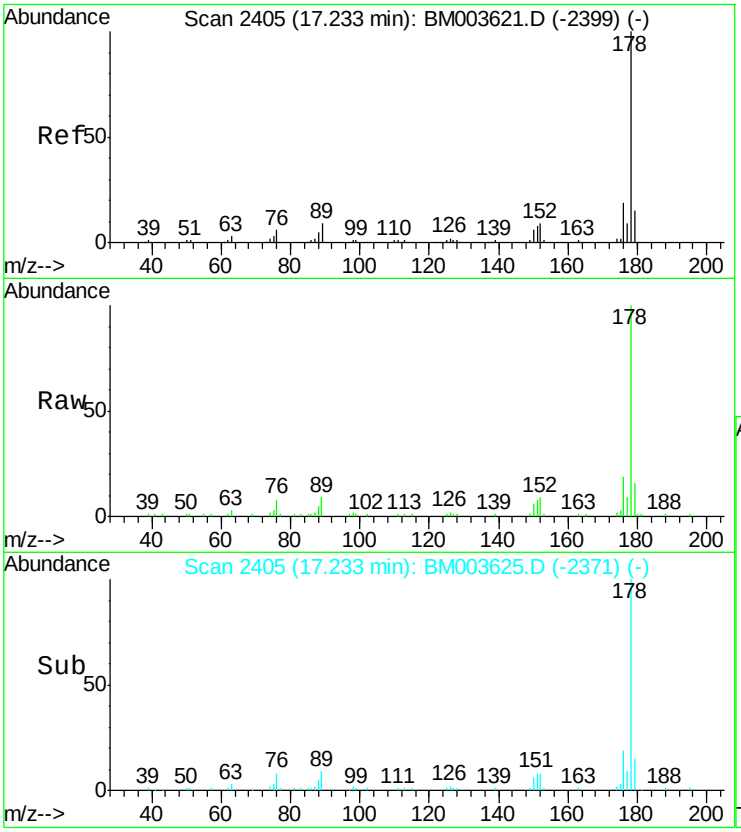




#70
Phenanthrene
Concen: 16.96 ng/ul
RT: 17.14 min Scan# 2389
Delta R.T. -0.00 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

Tgt Ion:178 Resp: 213492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.6 | 12.2 | 18.4 |
| 176 | 19.1 | 15.6 | 23.4 |



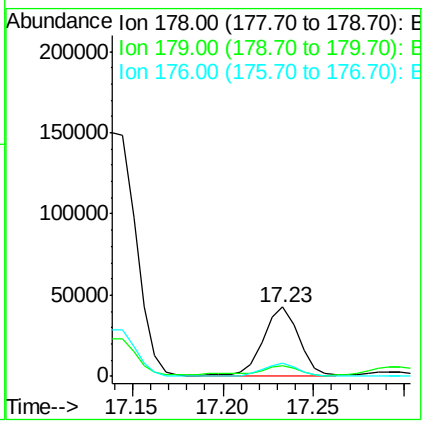


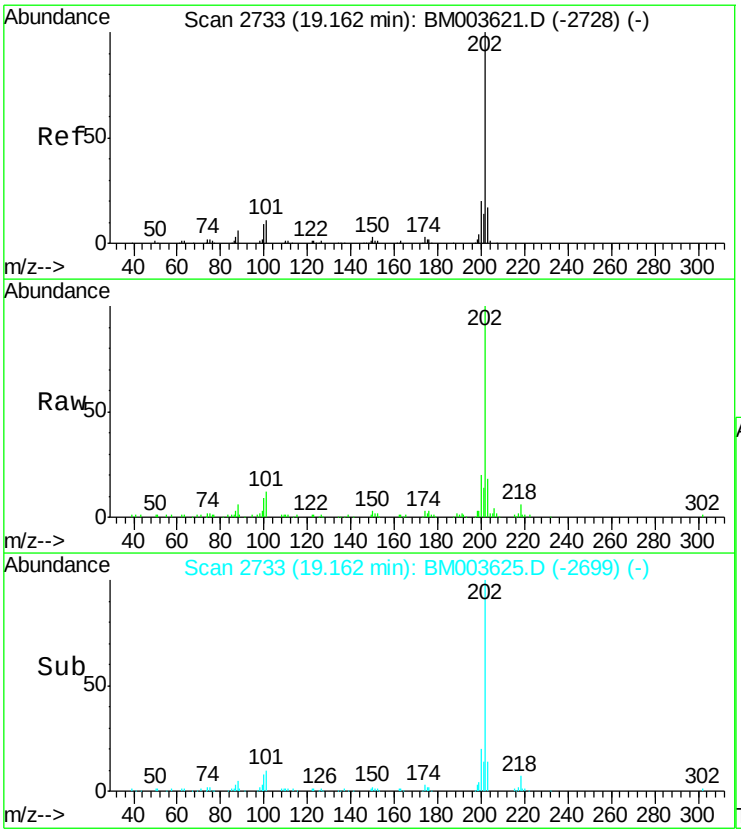

#72
Anthracene
Concen: 4.40 ng/ul
RT: 17.23 min Scan# 2405
Delta R.T. -0.00 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

**Instrument :**
BNA_M
**ClientSampleId :**
G9C66

Tgt Ion:178 Resp: 56429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 179 | 15.6 | 12.1 | 18.1 |
| 176 | 19.0 | 14.8 | 22.2 |

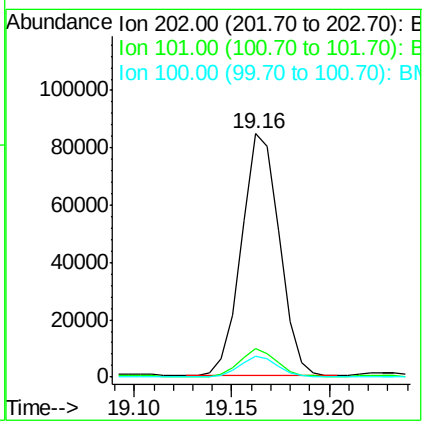


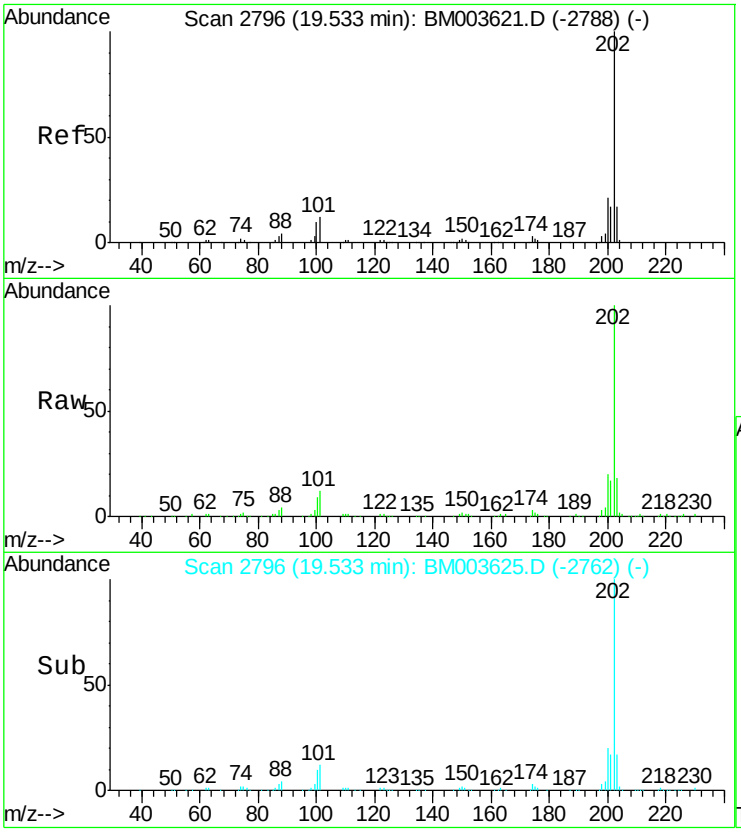




#77
Fluoranthene
Concen: 7.88 ng/ul
RT: 19.16 min Scan# 2733
Delta R.T. -0.00 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

Tgt Ion:202 Resp: 114015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.8 | 8.8 | 13.2 |
| 100 | 8.6 | 6.6 | 9.8 |



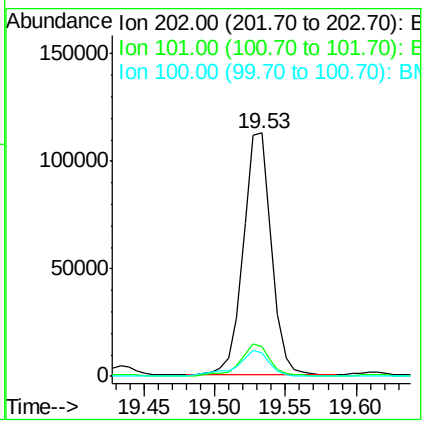


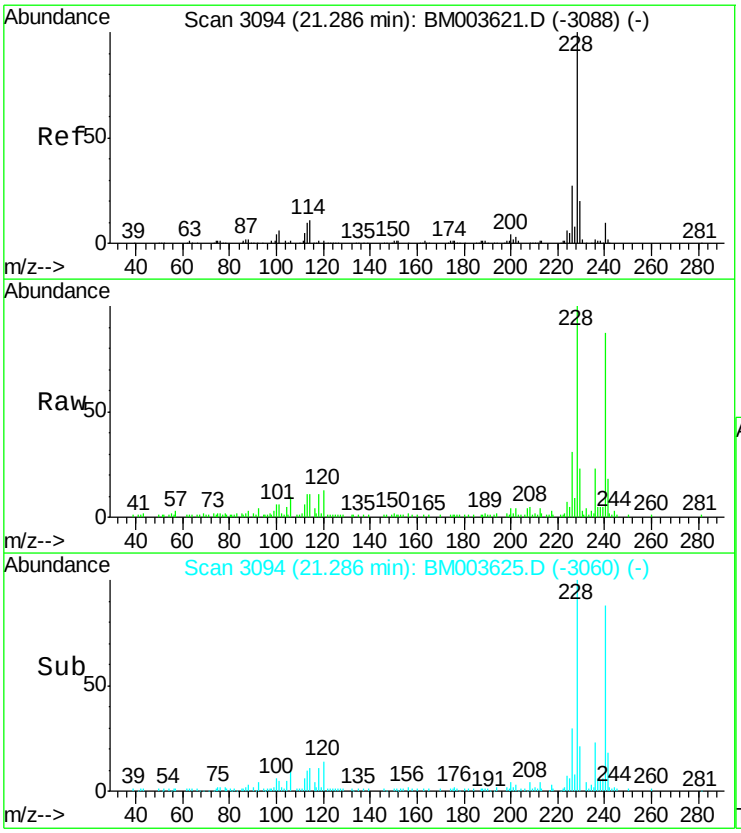

#80
Pyrene
Concen: 9.21 ng/ul
RT: 19.53 min Scan# 2796
Delta R.T. -0.00 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

**Instrument :**
BNA_M
**ClientSampleId :**
G9C66

Tgt Ion:202 Resp: 158159

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.3 | 10.2 | 15.2 |
| 100 | 9.5 | 8.5 | 12.7 |

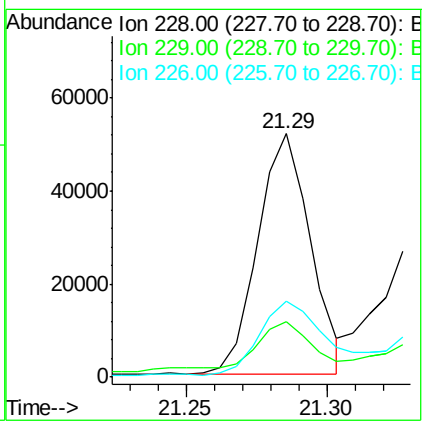


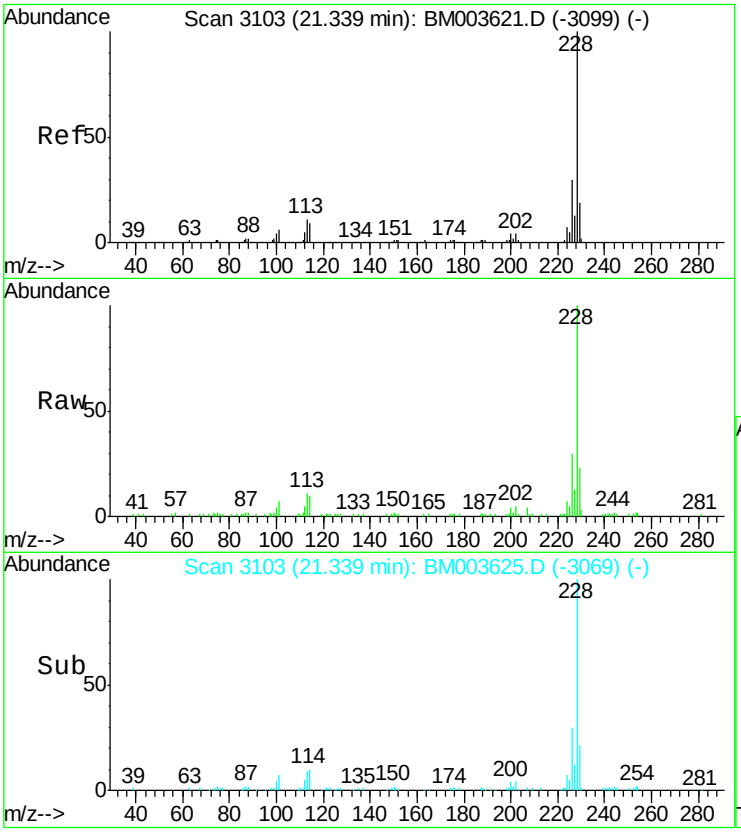




#83
Benzo(a)anthracene
Concen: 3.74 ng/ul
RT: 21.29 min Scan# 3094
Delta R.T. -0.00 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

Tgt Ion:228 Resp: 67320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 229 | 23.0 | 15.7 | 23.5 |
| 226 | 31.2 | 21.8 | 32.6 |



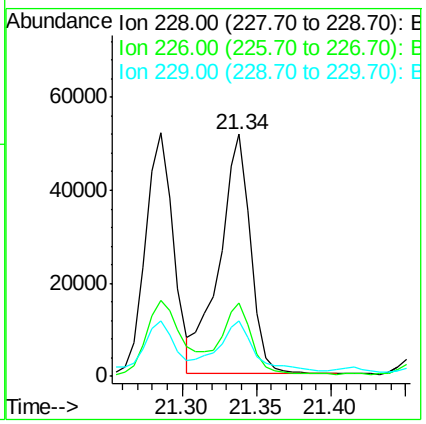


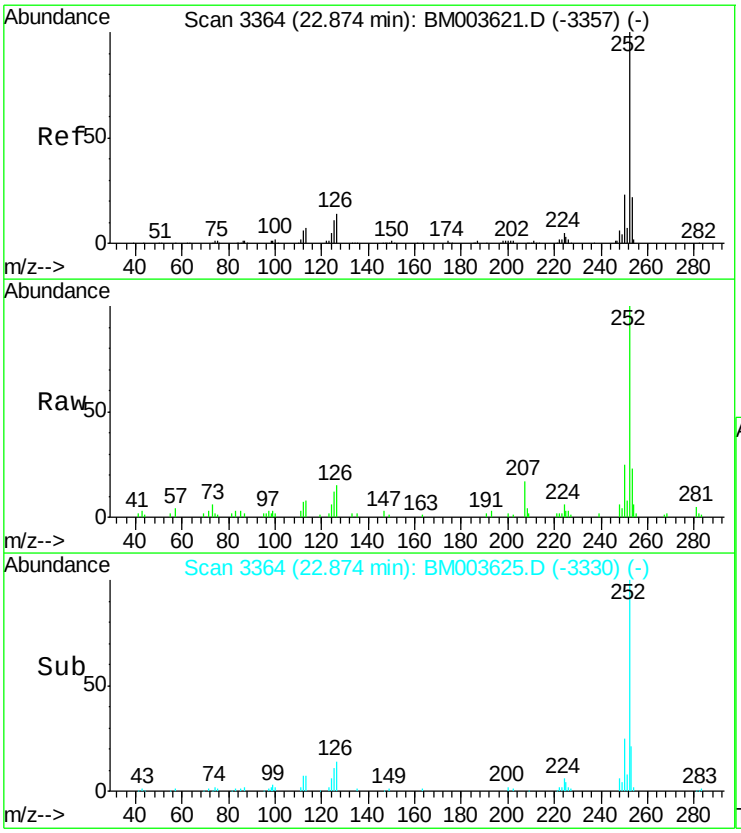

#85
Chrysene
Concen: 4.38 ng/ul
RT: 21.34 min Scan# 3103
Delta R.T. -0.00 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

**Instrument :**
BNA_M
**ClientSampleId :**
G9C66

Tgt Ion:228 Resp: 76027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.2 | 24.0 | 36.0 |
| 229 | 22.8 | 15.6 | 23.4 |

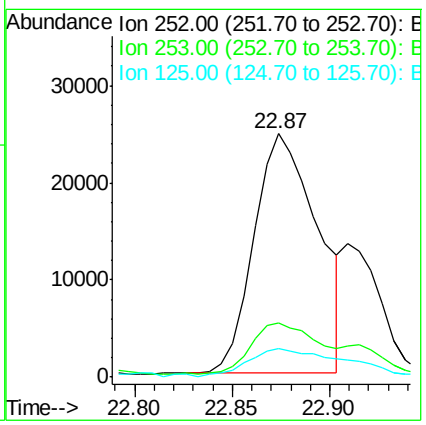


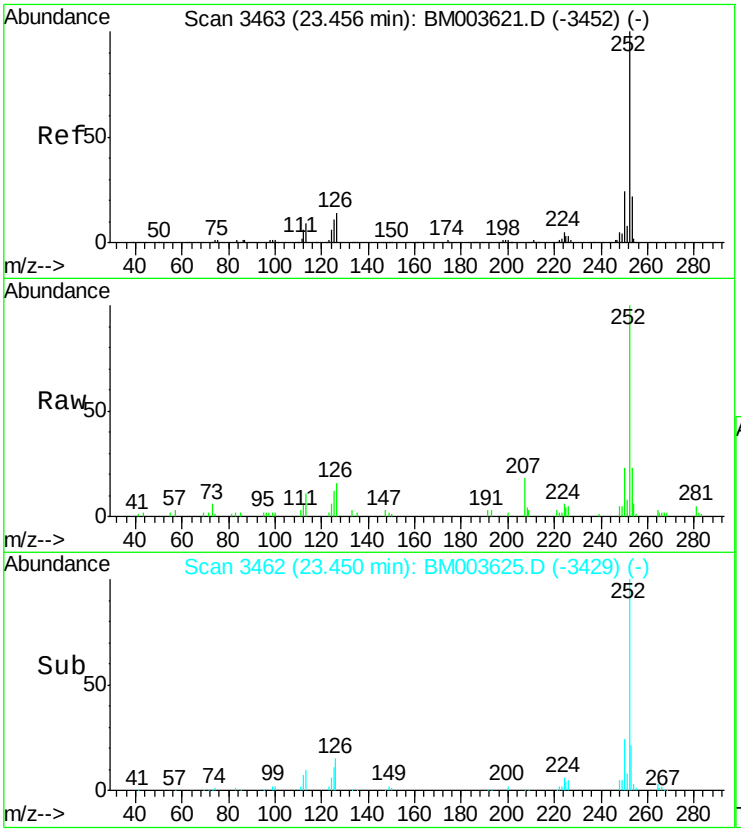




#88
Benzo(b)fluoranthene
Concen: 2.79 ng/ul
RT: 22.87 min Scan# 3364
Delta R.T. -0.00 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

Tgt Ion:252 Resp: 55736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.5 | 17.5 | 26.3 |
| 125 | 11.7 | 8.5 | 12.7 |



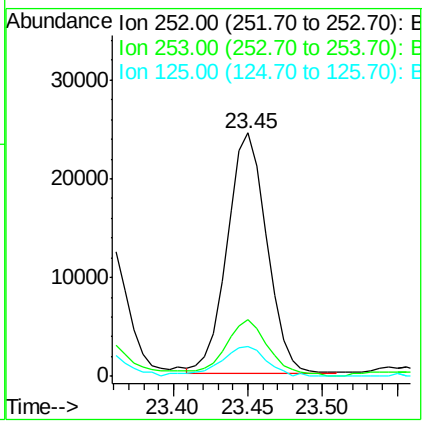


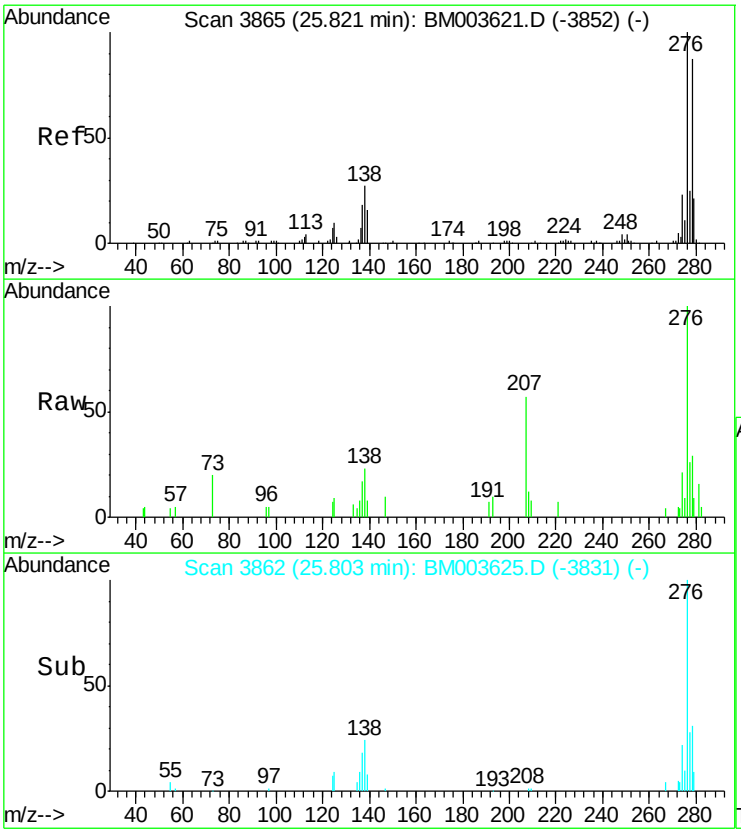

#91
Benzo(a)pyrene
Concen: 2.35 ng/ul
RT: 23.45 min Scan# 3462
Delta R.T. -0.01 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

**Instrument :**
BNA_M
**ClientSampleId :**
G9C66

Tgt Ion:252 Resp: 44917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.2 | 25.8 |
| 125 | 12.2 | 9.0 | 13.6 |

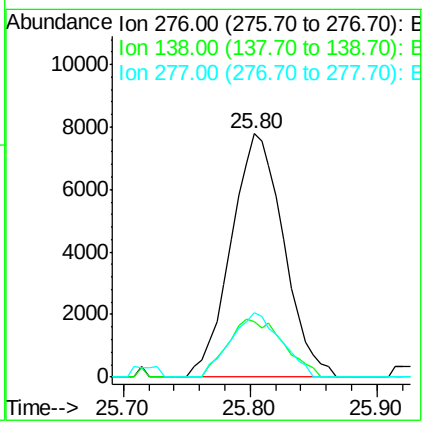


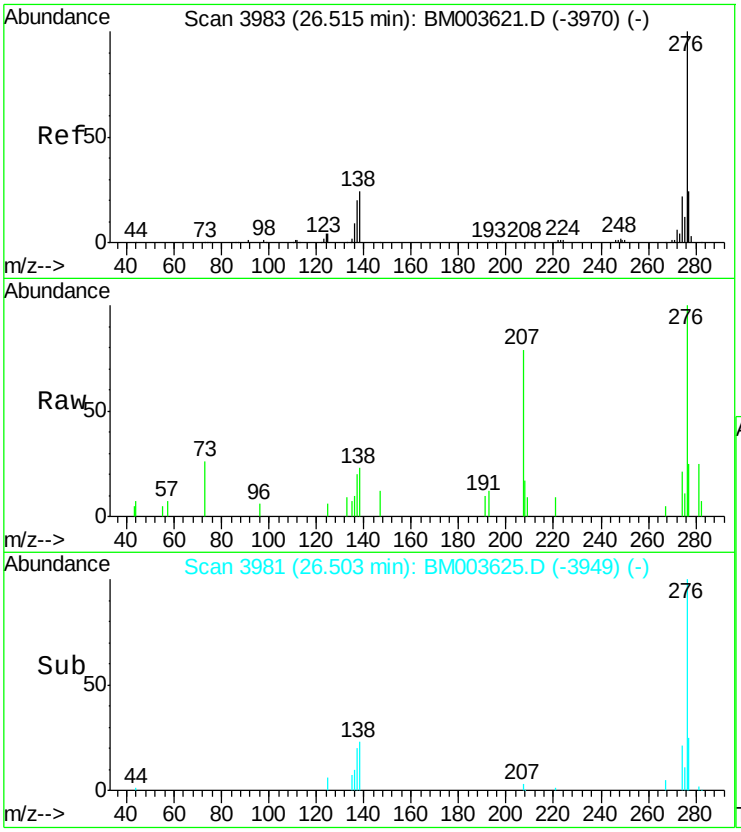




#92
Indeno(1,2,3-cd)pyrene
Concen: 1.09 ng/ul
RT: 25.80 min Scan# 3862
Delta R.T. -0.02 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

Tgt Ion:276 Resp: 22386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.9 | 22.3 | 33.5 |
| 277 | 26.3 | 20.2 | 30.2 |






#94
Benzo(g,h,i)perylene
Concen: 1.07 ng/ul
RT: 26.50 min Scan# 3981
Delta R.T. -0.01 min
Lab File: BM003625.D
Acq: 19 Dec 2015 18:20

**Instrument :**
BNA_M
**ClientSampleId :**
G9C66

Tgt Ion:276 Resp: 18098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 22.9 | 18.9 | 28.3 |
| 277 | 25.5 | 19.2 | 28.8 |