Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062215\
Data File : BM001776.D
Acq On : 22 Jun 2015 17:12
Operator : TP/IZ
Sample : G2474-05RE
Misc : 4 TIME INT STD
ALS Vial : 8 Sample Multiplier: 4

**Instrument :** BNA_M
**ClientSampleId :** C-5

Quant Time: Jun 23 04:21:31 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 19 05:05:14 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.66 | 152 | 65207 | 5.00 | ng | | 0.00 |
| 6) Naphthalene-d8 | 10.46 | 136 | 237705 | 5.00 | ng | | 0.00 |
| 12) Acenaphthene-d10 | 14.32 | 164 | 114755 | 5.00 | ng | | 0.00 |
| 18) Phenanthrene-d10 | 17.06 | 188 | 312953 | 5.00 | ng | | 0.00 |
| 25) Chrysene-d12 | 21.27 | 240 | 199191 | 5.00 | ng | | 0.02 |
| 32) Perylene-d12 | 23.48 | 264 | 191790 | 5.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.25 | 112 | 155447 | 40.79 | ng | | 0.00 |
| 5) Phenol-d6 | 6.83 | 99 | 128139 | 26.12 | ng | | 0.00 |
| 7) Nitrobenzene-d5 | 8.83 | 82 | 350282 | 75.54 | ng | | 0.00 |
| 13) 2,4,6-Tribromophenol | 15.80 | 330 | 89376 | 99.76 | ng | | 0.00 |
| 14) 2-Fluorobiphenyl | 12.94 | 172 | 634577 | 61.89 | ng | | 0.00 |
| 27) Terphenyl-d14 | 19.71 | 244 | 455416 | 62.06 | ng | | 0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.18 | 88 | 63 | 0.03 | ng | # | 16 |
| 8) Nitrobenzene | 8.83 | 77 | 1241 | 0.25 | ng | # | 40 |
| 9) Naphthalene | 10.49 | 128 | 515 | 0.04 | ng | # | 60 |
| 11) 2-Methylnaphthalene | 12.13 | 142 | 204 | 0.02 | ng | # | 88 |
| 17) Fluorene | 15.36 | 166 | 265 | 0.04 | ng | # | 84 |
| 21) Pentachlorophenol | 16.65 | 266 | 41 | 0.04 | ng | # | 67 |
| 22) Phenanthrene | 17.09 | 178 | 1932 | 0.07 | ng | # | 84 |
| 24) Fluoranthene | 19.13 | 202 | 619 | 0.04 | ng | # | 88 |
| 26) Pyrene | 19.49 | 202 | 597 | 0.03 | ng | | 96 |
| 28) Benzo(a)anthracene | 21.25 | 228 | 1356 | 0.09 | ng | # | 84 |
| 29) Chrysene | 21.25 | 228 | 1356 | 0.09 | ng | # | 76 |
| 30) Bis(2-ethylhexyl)phthalate | 21.18 | 149 | 3148 | 0.36 | ng | # | 99 |
| 31) Indeno(1,2,3-cd)pyrene | 25.71 | 276 | 328 | 0.02 | ng | # | 88 |
| 33) Benzo(b)fluoranthene | 22.81 | 252 | 433 | 0.03 | ng | # | 22 |
| 37) Benzo(g,h,i)perylene | 26.40 | 276 | 308 | 0.02 | ng | # | 45 |

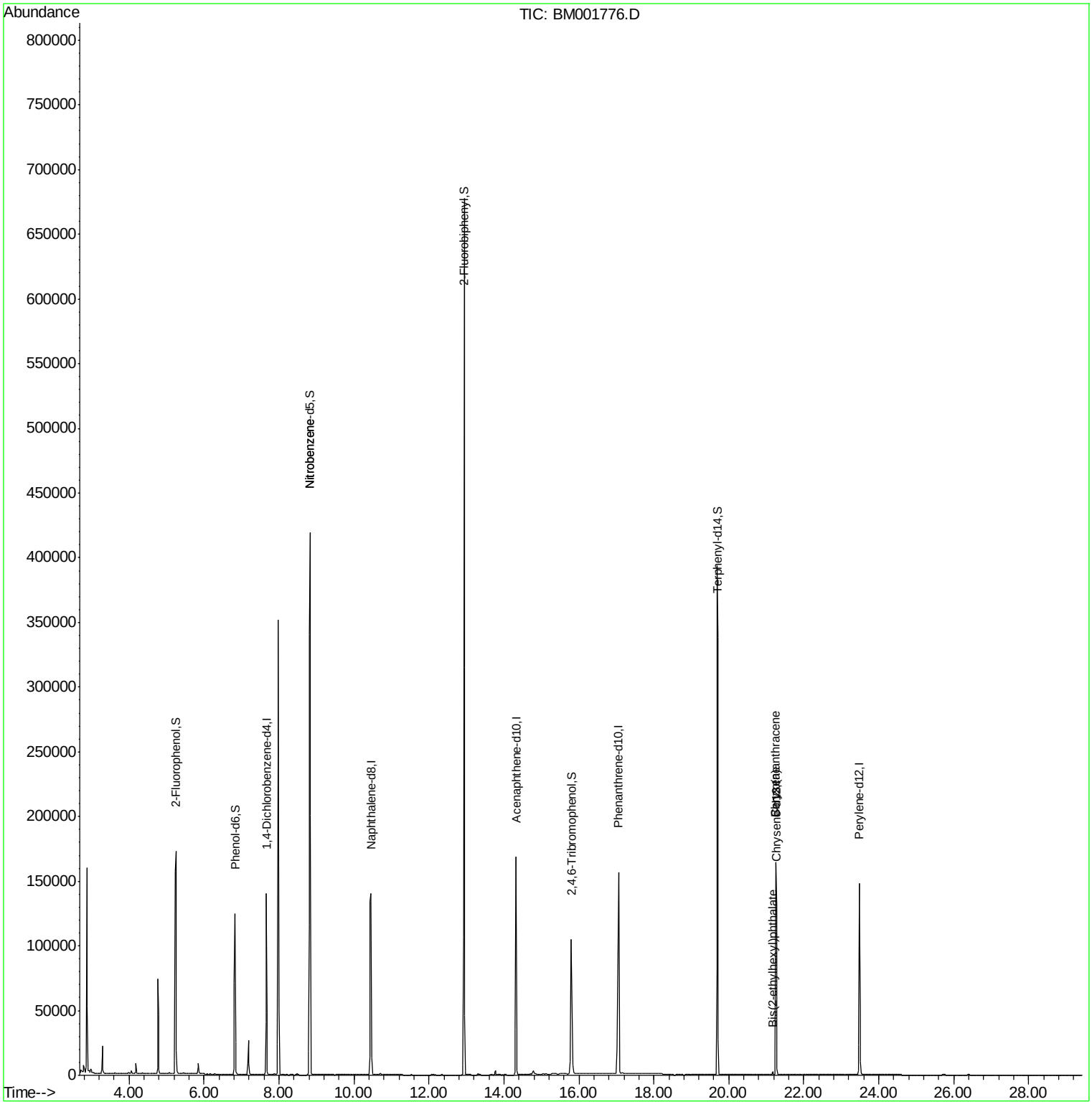
(#) = qualifier out of range (m) = manual integration (+) = signals summed

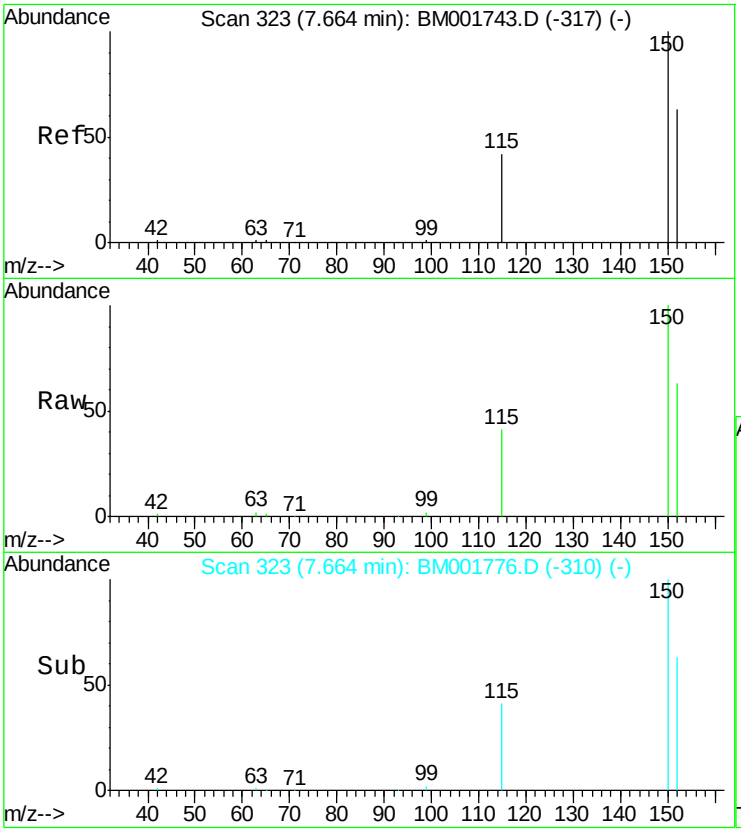
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062215\
Data File : BM001776.D
Acq On : 22 Jun 2015 17:12
Operator : TP/IZ
Sample : G2474-05RE
Misc : 4 TIME INT STD
ALS Vial : 8 Sample Multiplier: 4

**Instrument :** BNA_M
**ClientSampleId :** C-5

Quant Time: Jun 23 04:21:31 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SIM-BM061915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 19 05:05:14 2015
Response via : Initial Calibration



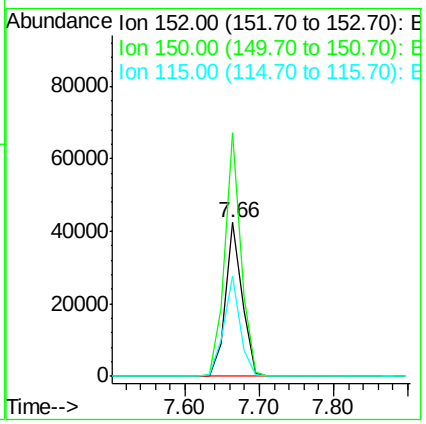


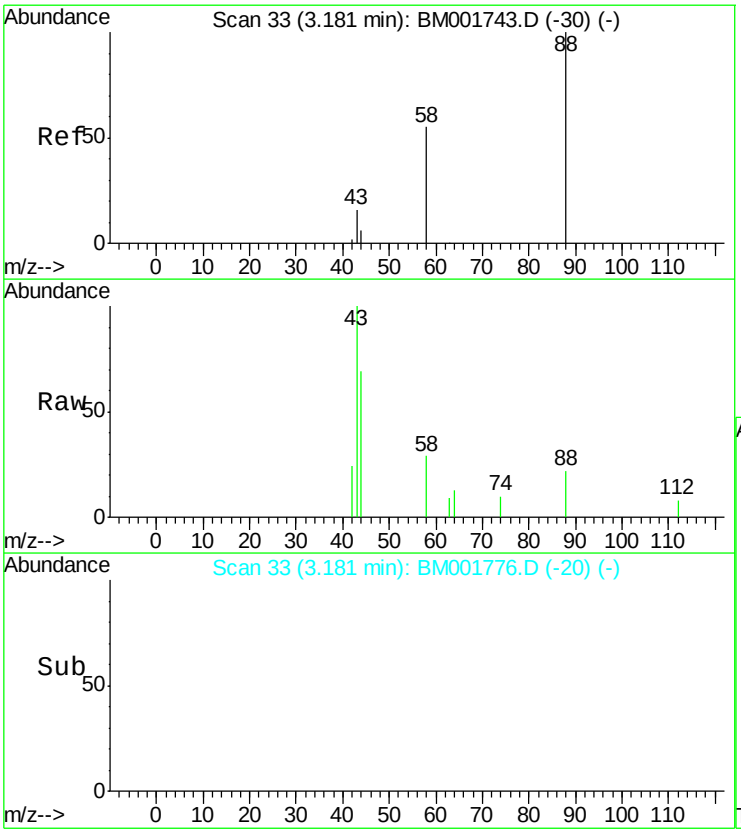

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.66 min Scan# 323
Delta R.T. 0.00 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

**Instrument :**
BNA_M
**ClientSampleId :**
C-5

Tgt Ion:152 Resp: 65207

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.7 | 127.5 | 191.3 |
| 115 | 65.2 | 53.2 | 79.8 |

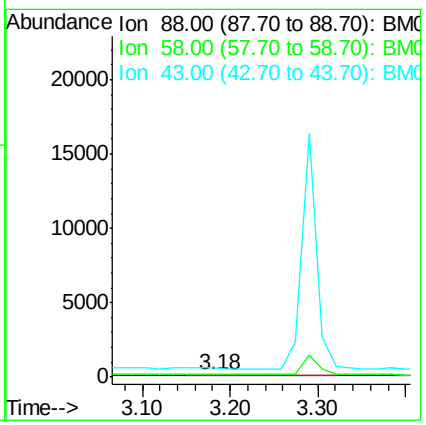


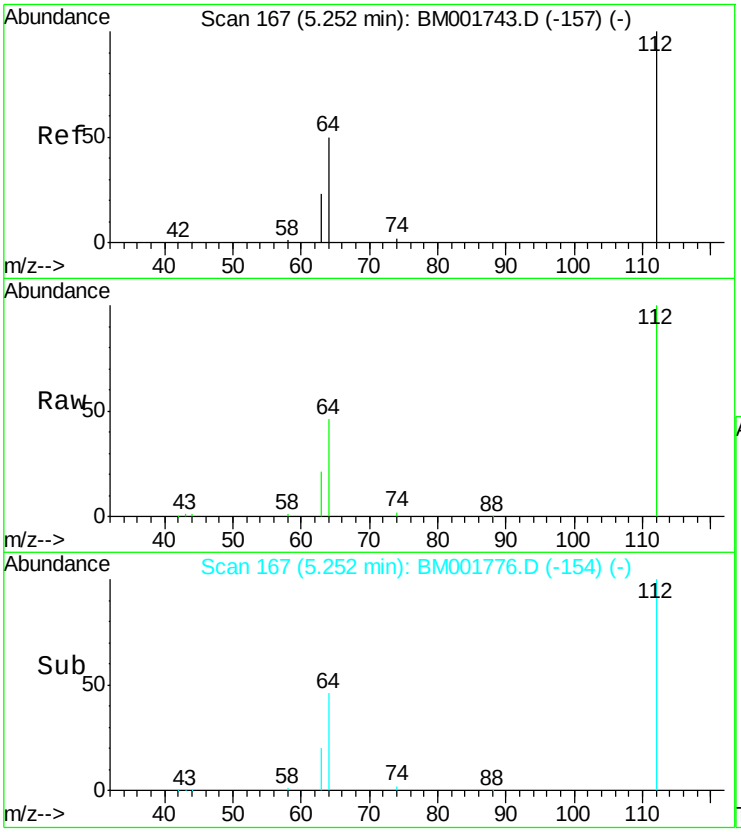




#2
1,4-Dioxane
Concen: 0.03 ng
RT: 3.18 min Scan# 33
Delta R.T. 0.00 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

Tgt Ion: 88 Resp: 63

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 0.0 | 68.3 | 102.5# |
| 43 | 0.0 | 32.6 | 48.8# |



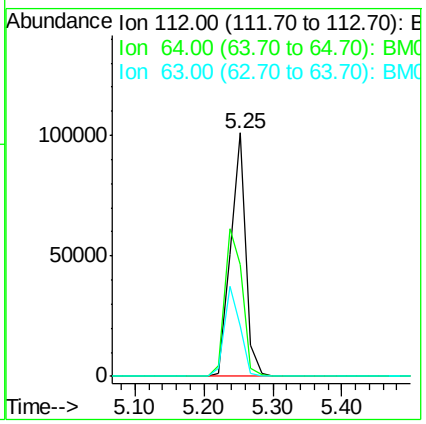


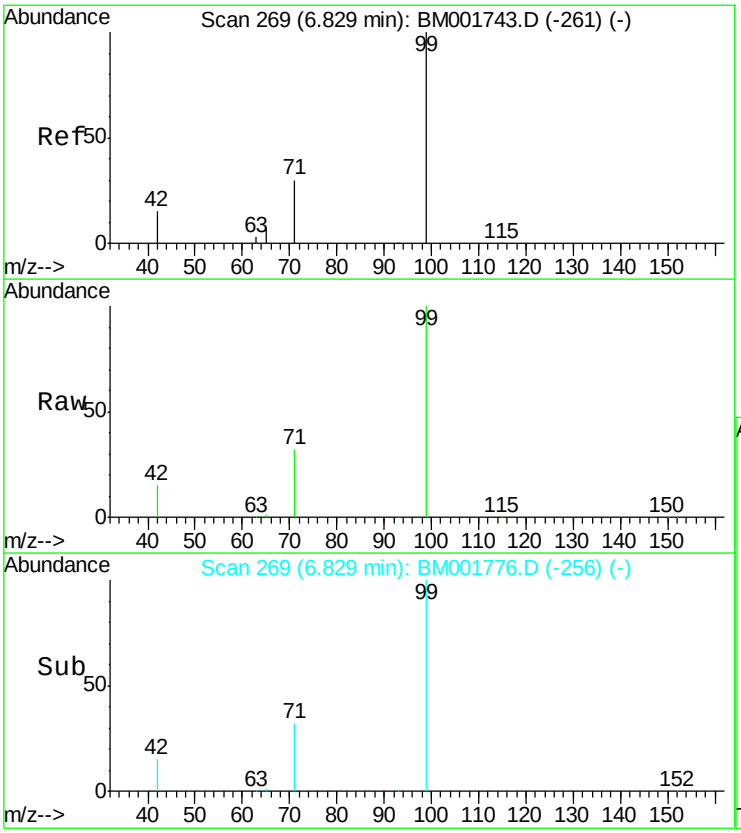

#4
2-Fluorophenol
Concen: 40.79 ng
RT: 5.25 min Scan# 167
Delta R.T. 0.00 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

**Instrument :**
BNA_M
**ClientSampleId :**
C-5

Tgt Ion:112 Resp: 155447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 69.4 | 55.6 | 83.4 |
| 63 | 37.7 | 30.2 | 45.2 |

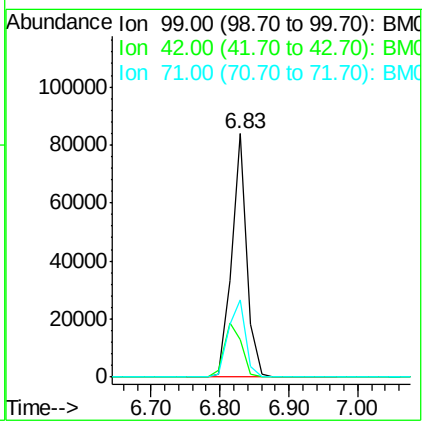


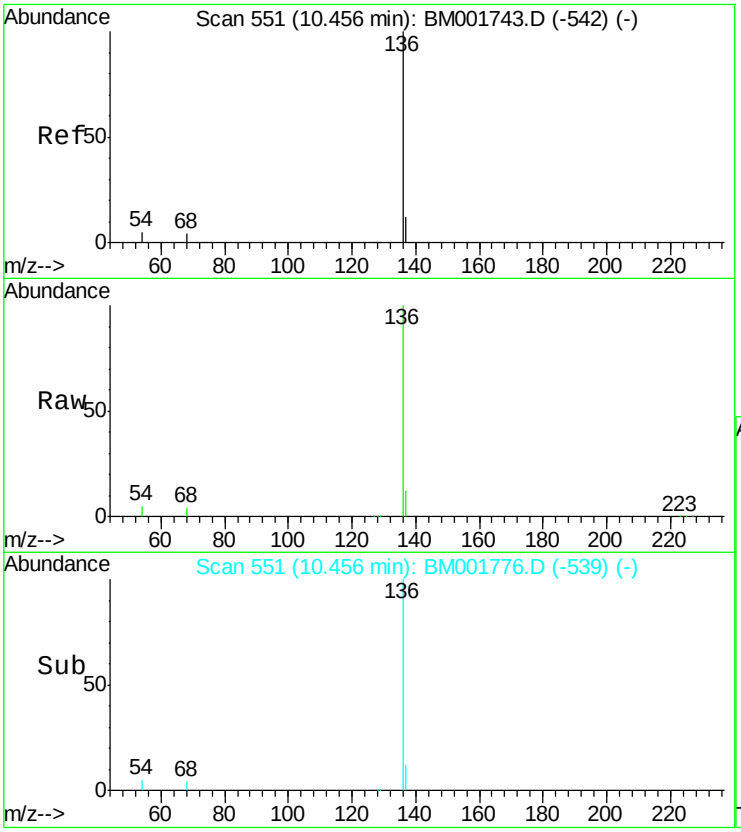




#5
Phenol-d6
Concen: 26.12 ng
RT: 6.83 min Scan# 269
Delta R.T. 0.00 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

Tgt Ion: 99 Resp: 128139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 25.3 | 21.4 | 32.0 |
| 71 | 36.0 | 28.3 | 42.5 |



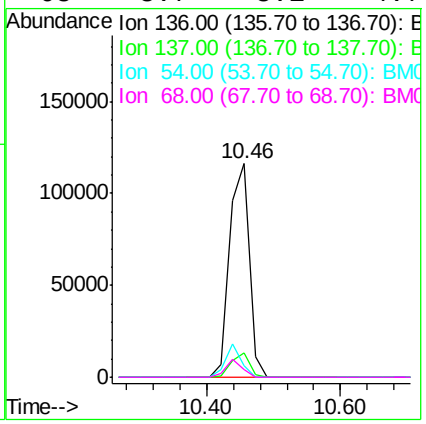


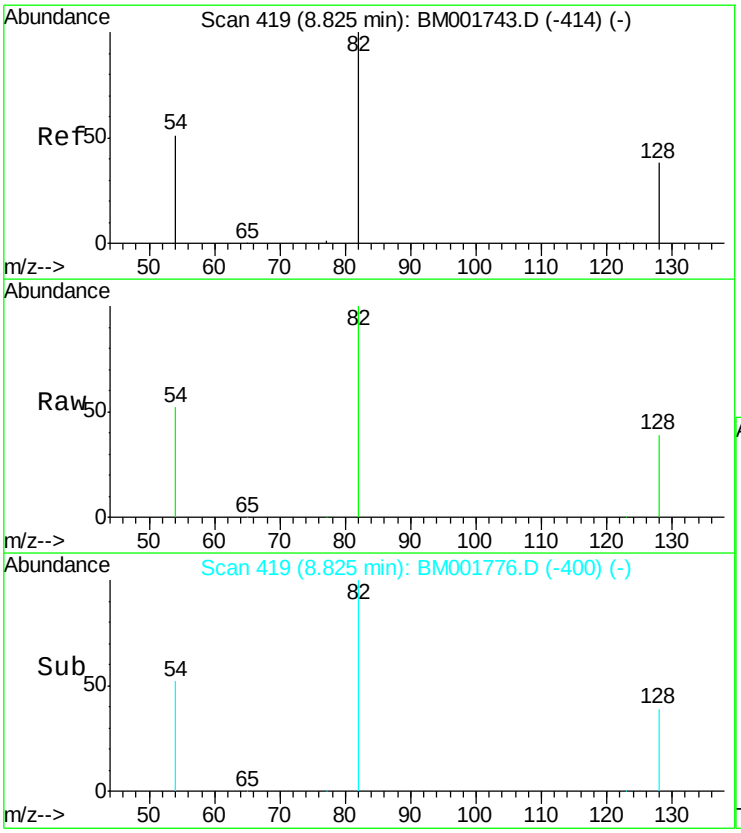

#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.46 min Scan# 551
Delta R.T. 0.00 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

**Instrument :**
BNA_M
**ClientSampleId :**
C-5

Tgt Ion:136 Resp: 237705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.6 | 9.4 | 14.0 |
| 54 | 5.3 | 4.4 | 6.6 |
| 68 | 3.7 | 3.1 | 4.7 |

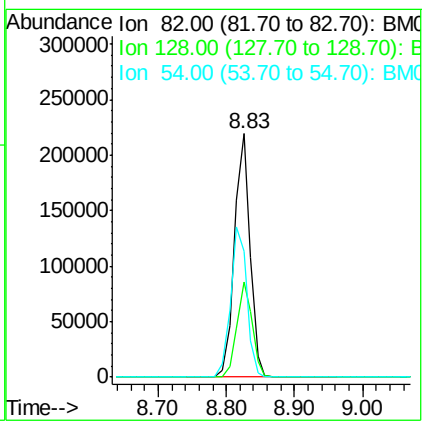


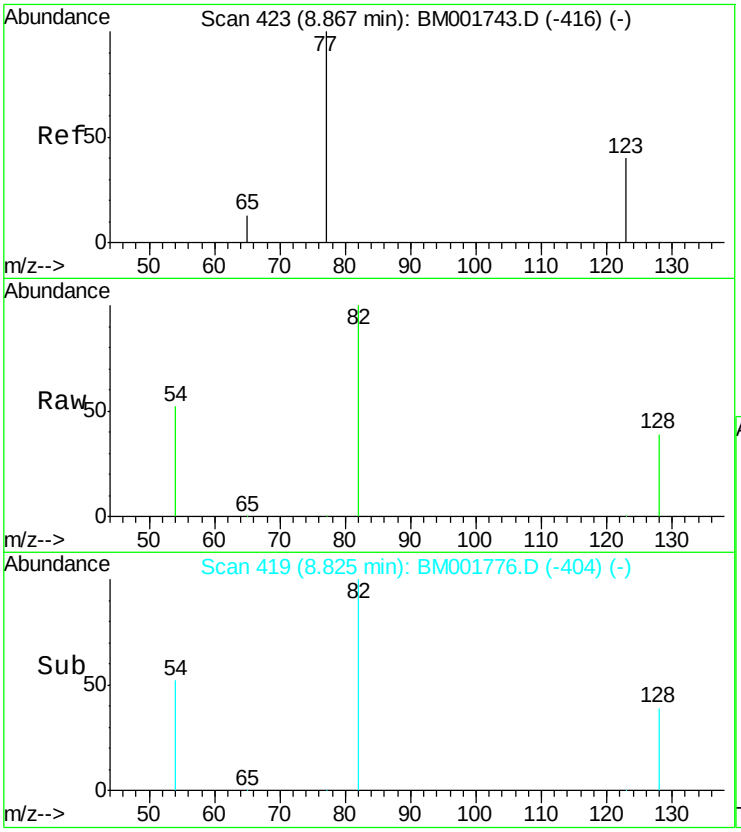




#7
Nitrobenzene-d5
Concen: 75.54 ng
RT: 8.83 min Scan# 419
Delta R.T. 0.00 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

Tgt Ion: 82 Resp: 350282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 38.9 | 31.3 | 46.9 |
| 54 | 51.8 | 41.9 | 62.9 |



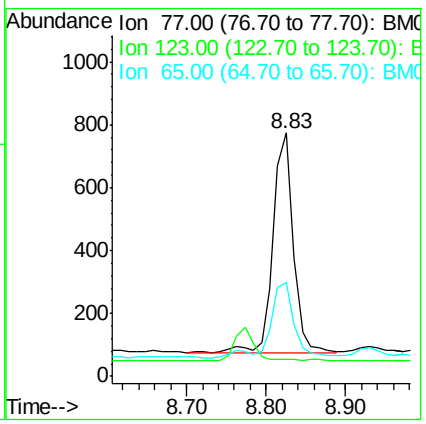


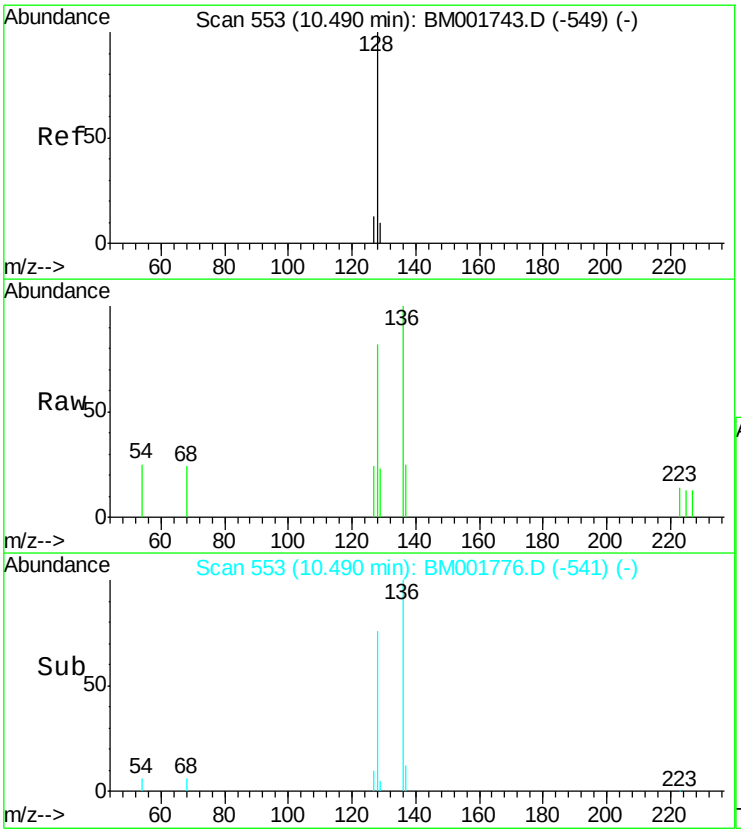

#8
Nitrobenzene
Concen: 0.25 ng
RT: 8.83 min Scan# 419
Delta R.T. -0.04 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

**Instrument :**
BNA_M
**ClientSampleId :**
C-5

Tgt Ion: 77 Resp: 1241

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 0.0 | 30.1 | 45.1# |
| 65 | 36.2 | 11.3 | 16.9# |

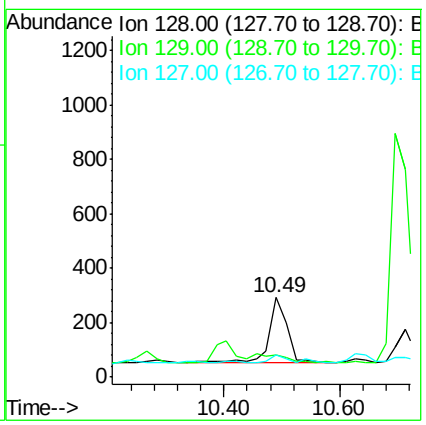


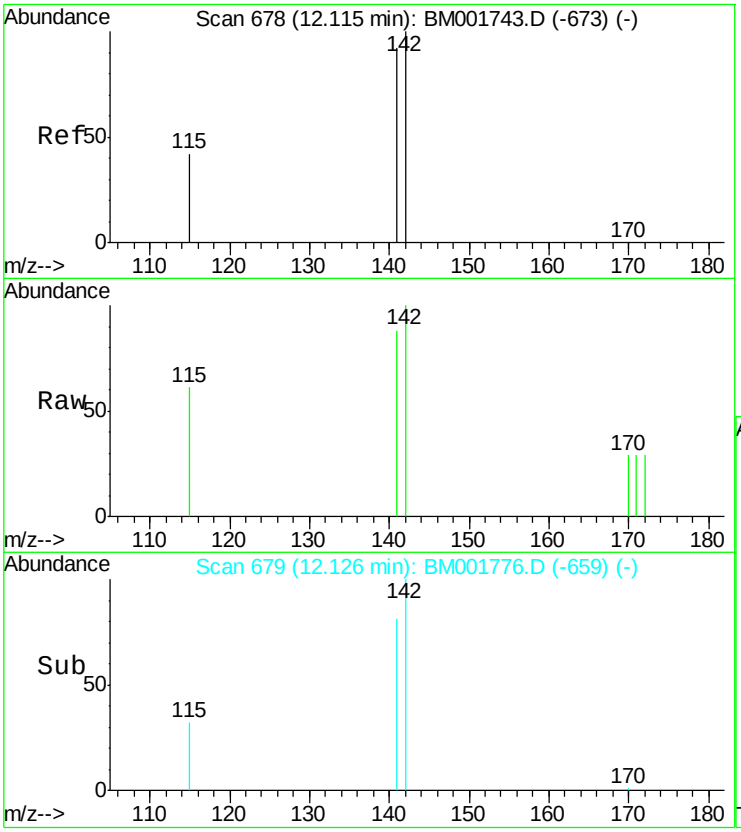




#9
Naphthalene
Concen: 0.04 ng
RT: 10.49 min Scan# 553
Delta R.T. 0.00 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

Tgt Ion:128 Resp: 515

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 27.8 | 8.7 | 13.1# |
| 127 | 28.5 | 11.2 | 16.8# |



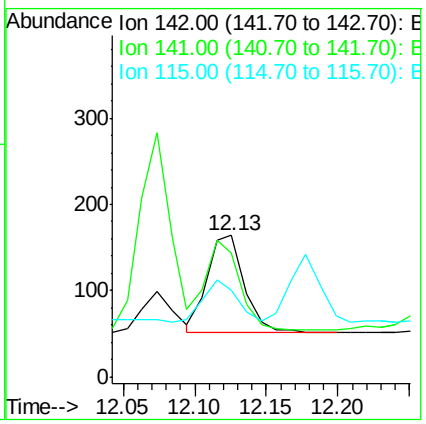


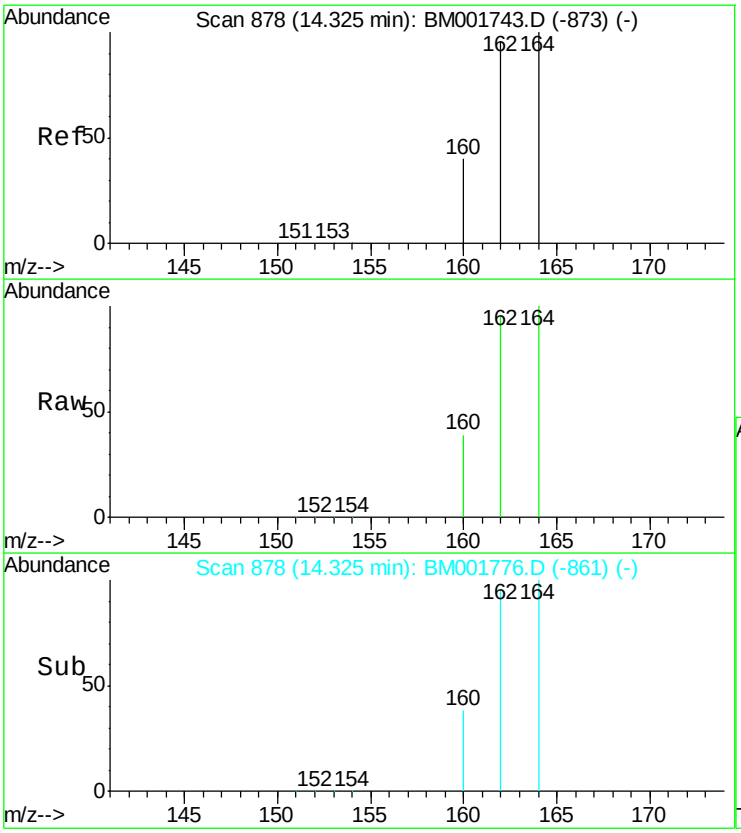

#11
2-Methylnaphthalene
Concen: 0.02 ng
RT: 12.13 min Scan# 679
Delta R.T. 0.01 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

**Instrument :**
BNA_M
**ClientSampleId :**
C-5

Tgt Ion:142 Resp: 204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 87.8 | 73.6 | 110.4 |
| 115 | 61.0 | 34.1 | 51.1# |

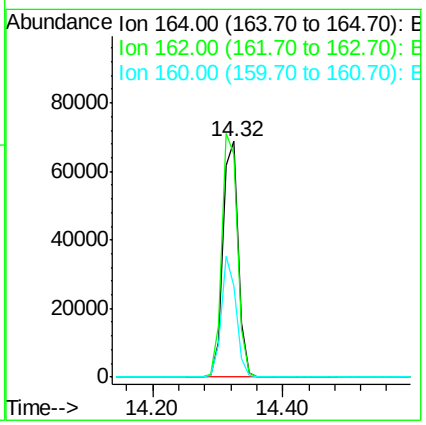


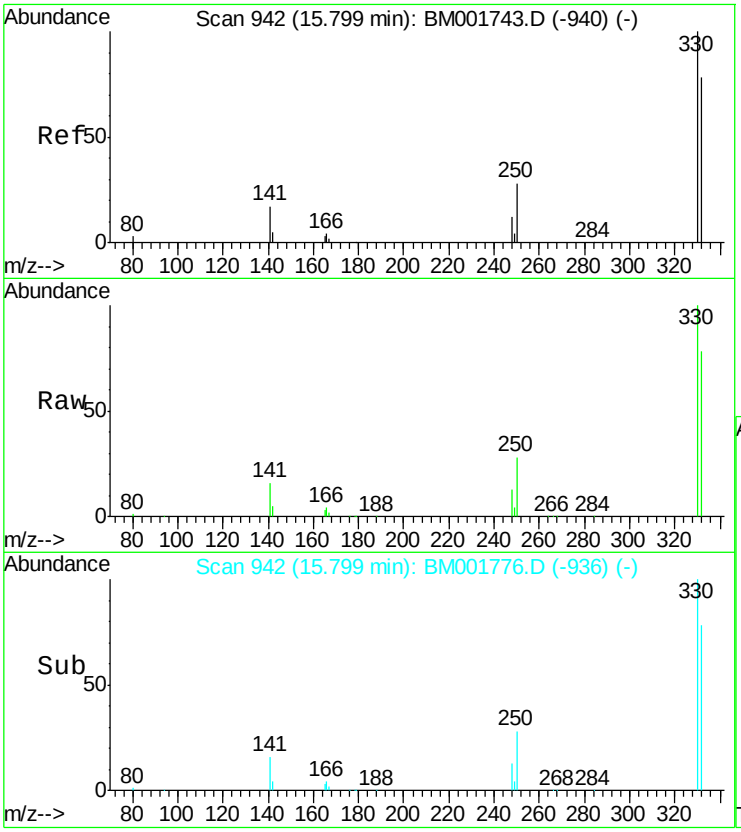




#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.32 min Scan# 878
Delta R.T. 0.00 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

Tgt Ion:164 Resp: 114755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 94.5 | 76.6 | 114.8 |
| 160 | 38.5 | 31.8 | 47.8 |



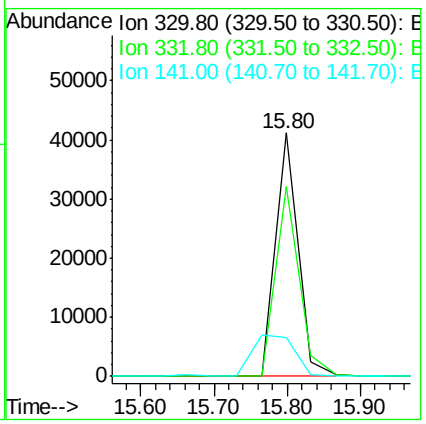


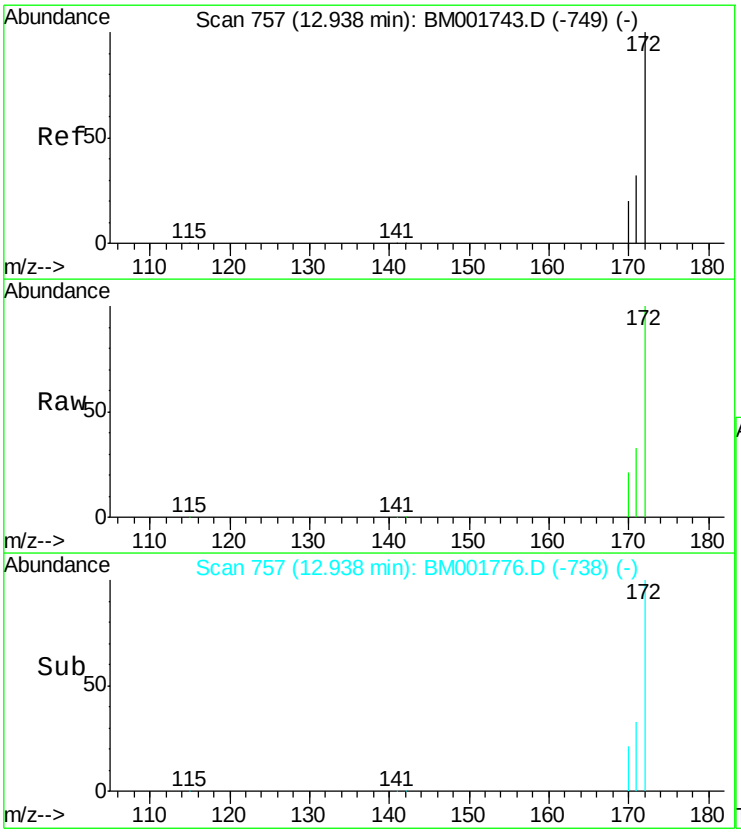

#13
2,4,6-Tribromophenol
Concen: 99.76 ng
RT: 15.80 min Scan# 942
Delta R.T. 0.00 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

**Instrument :**
BNA_M
**ClientSampleId :**
C-5

Tgt Ion:330 Resp: 89376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 81.3 | 65.8 | 98.8 |
| 141 | 0.0 | 0.0 | 0.0 |

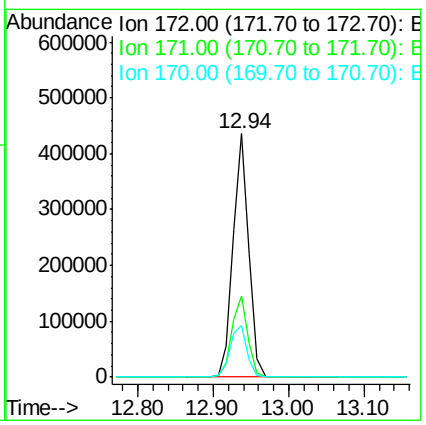


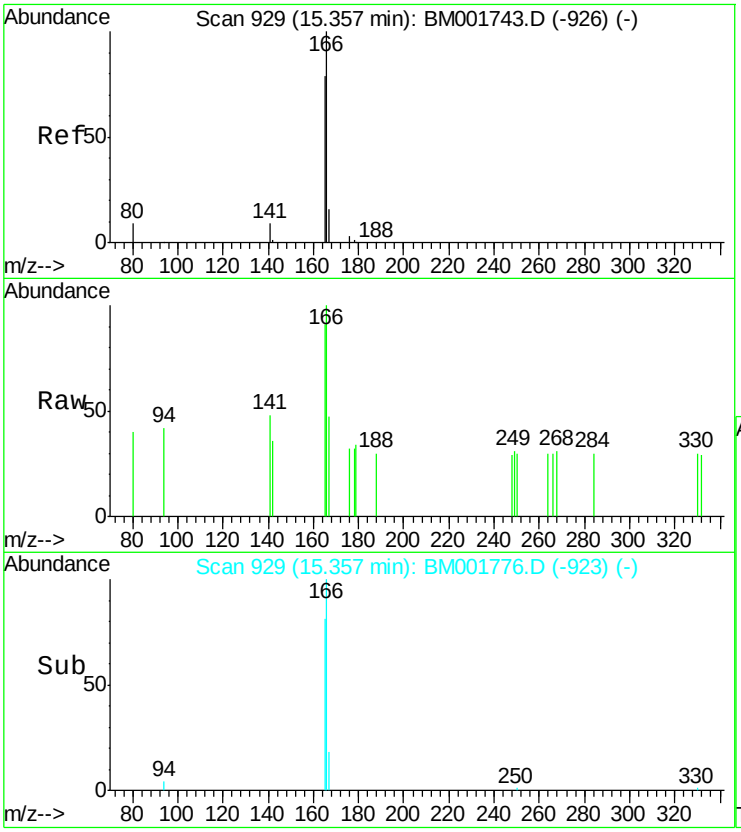




#14
2-Fluorobiphenyl
Concen: 61.89 ng
RT: 12.94 min Scan# 757
Delta R.T. 0.00 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

Tgt Ion:172 Resp: 634577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.4 | 26.2 | 39.2 |
| 170 | 21.4 | 16.6 | 24.8 |



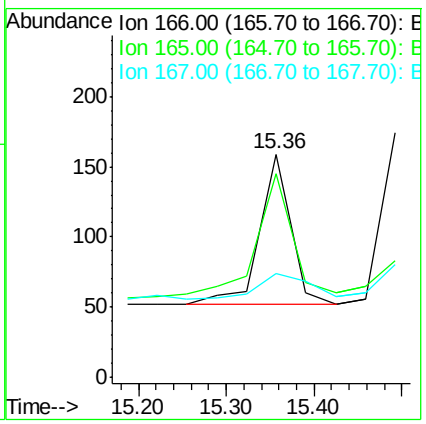


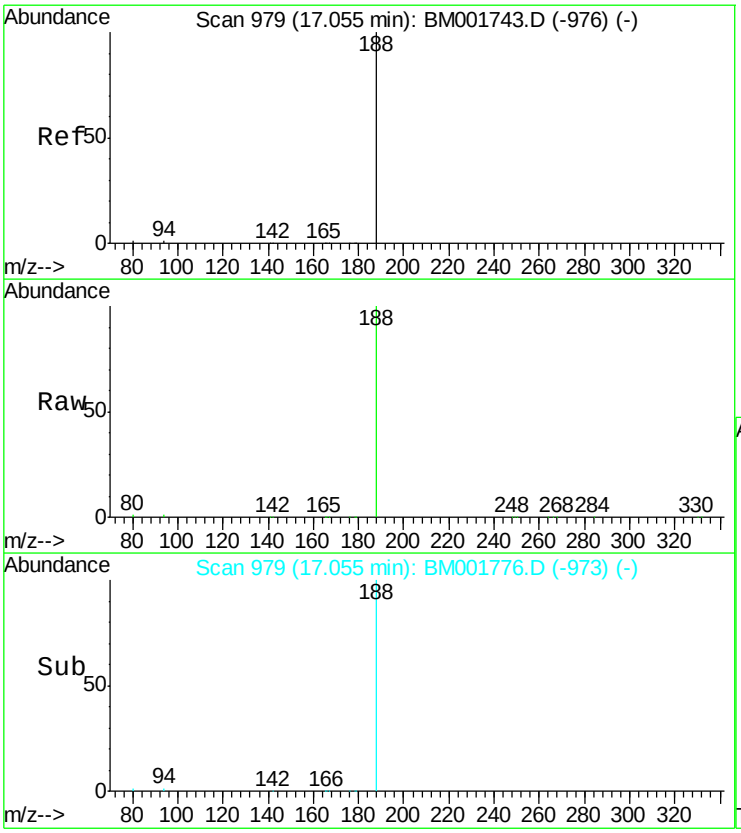

#17
Fluorene
Concen: 0.04 ng
RT: 15.36 min Scan# 929
Delta R.T. 0.00 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

**Instrument :**
BNA_M
**ClientSampleId :**
C-5

Tgt Ion:166 Resp: 265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.0 | 68.2 | 102.2 |
| 167 | 29.8 | 12.2 | 18.2# |

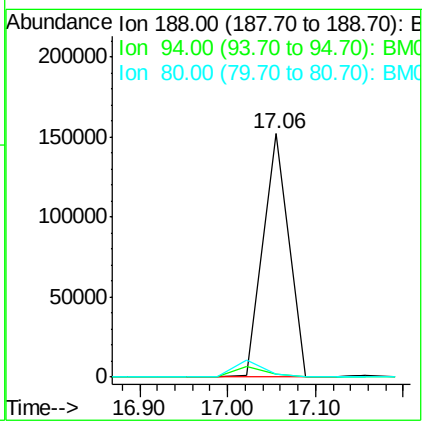


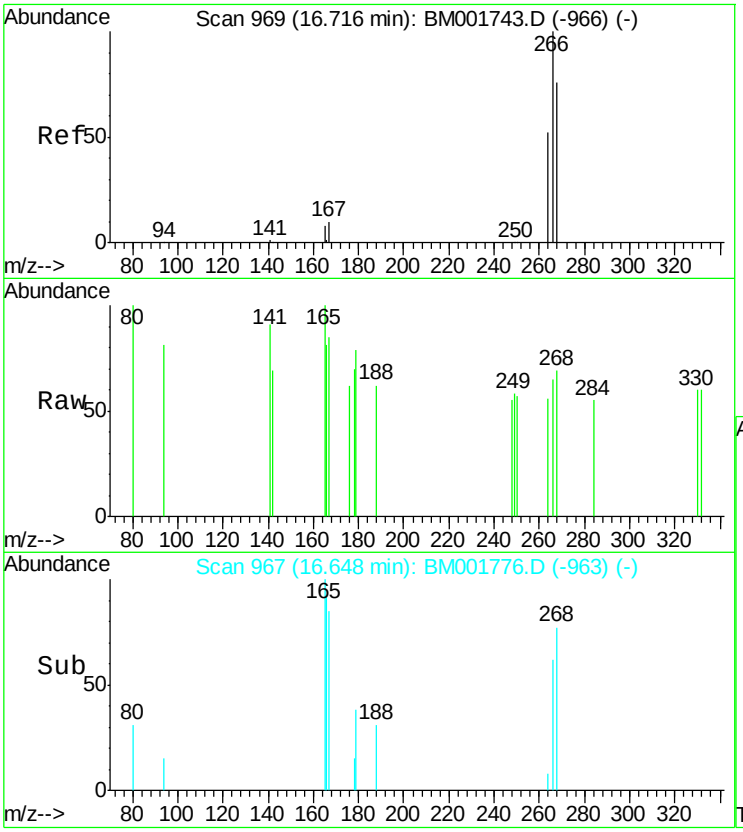




#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 979
Delta R.T. 0.00 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

Tgt Ion:188 Resp: 312953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 1.2 | 1.3 | 1.9# |
| 80 | 1.0 | 1.0 | 1.6# |



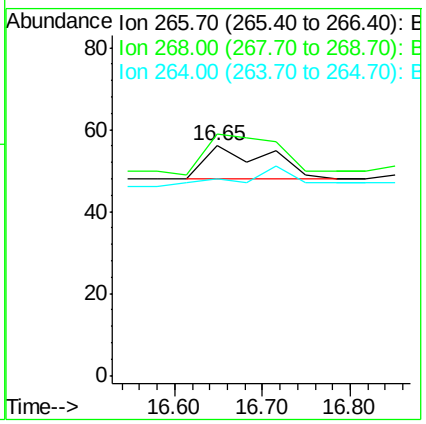


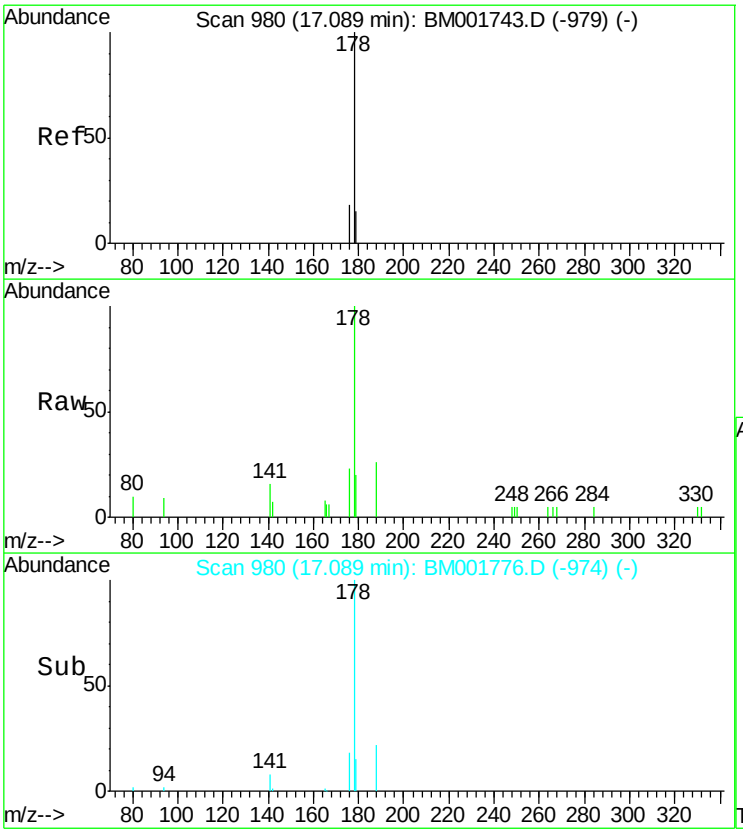

#21
Pentachlorophenol
Concen: 0.04 ng
RT: 16.65 min Scan# 967
Delta R.T. -0.07 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

**Instrument :**
BNA_M
**ClientSampleId :**
C-5

Tgt Ion:266 Resp: 41

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 105.4 | 63.2 | 94.8# |
| 264 | 85.7 | 46.2 | 69.2# |

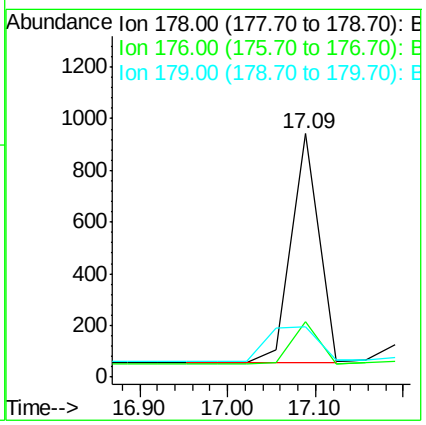


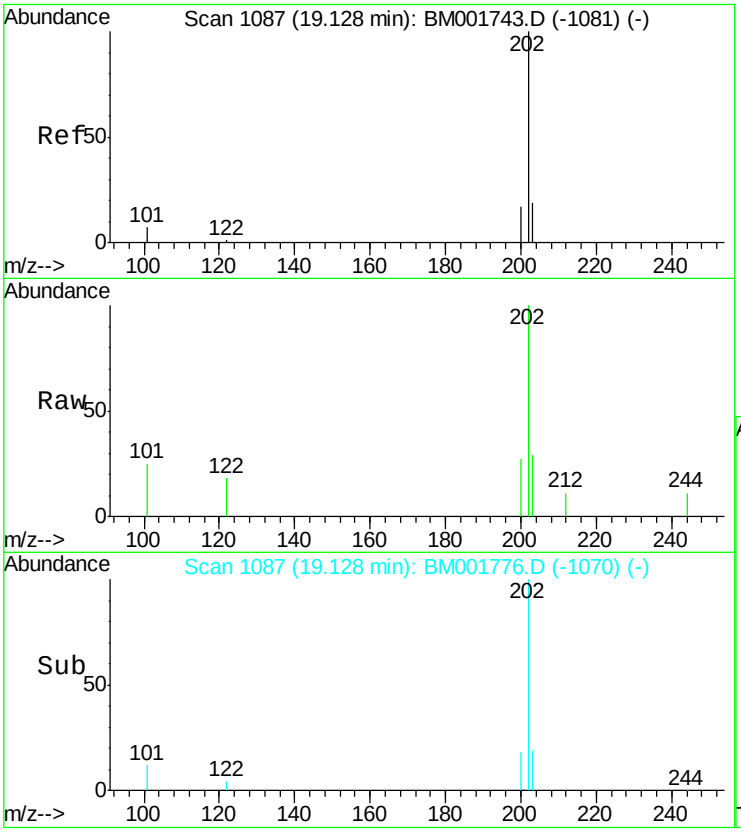




#22
Phenanthrene
Concen: 0.07 ng
RT: 17.09 min Scan# 980
Delta R.T. 0.00 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

Tgt Ion:178 Resp: 1932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.5 | 15.4 | 23.2 |
| 179 | 29.0 | 12.6 | 19.0# |



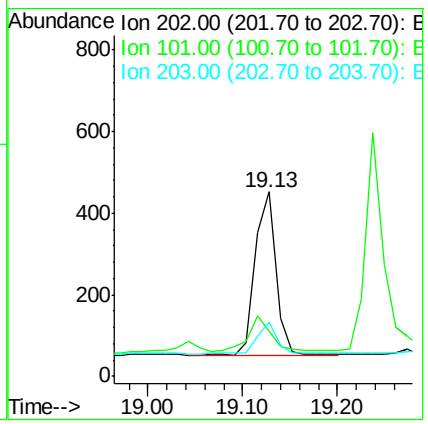


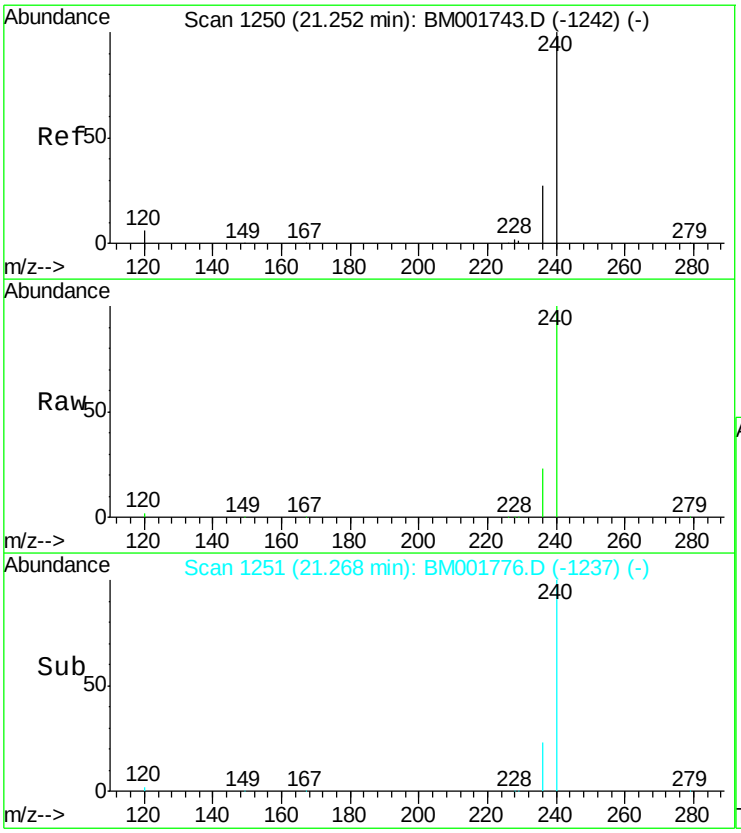

#24
Fluoranthene
Concen: 0.04 ng
RT: 19.13 min Scan# 1087
Delta R.T. 0.00 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

**Instrument :**
BNA_M
**ClientSampleId :**
C-5

Tgt Ion:202 Resp: 619

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 22.6 | 10.8 | 16.2# |
| 203 | 18.4 | 13.8 | 20.6 |

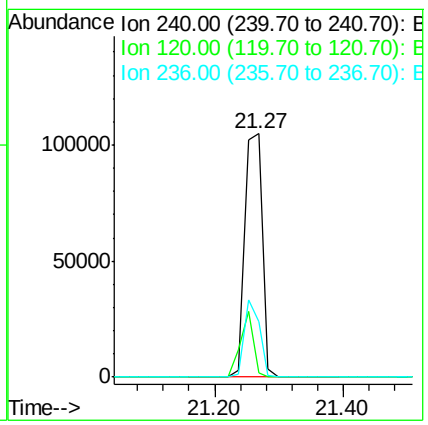


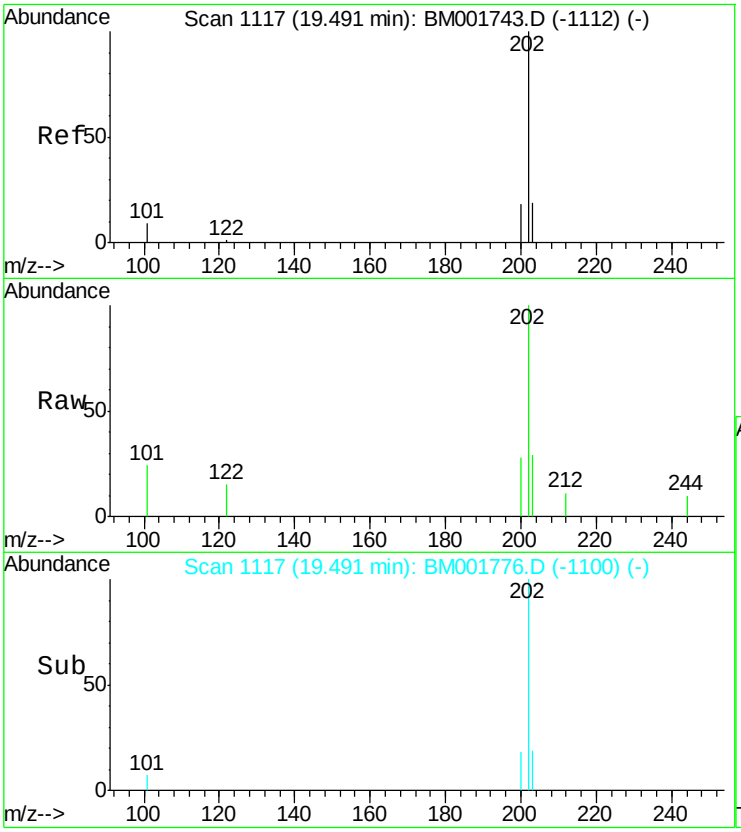




#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.27 min Scan# 1251
Delta R.T. 0.02 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

Tgt Ion:240 Resp: 199191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 1.8 | 4.7 | 7.1# |
| 236 | 22.6 | 21.6 | 32.4 |



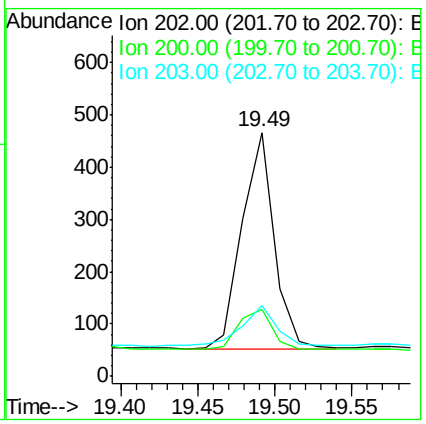


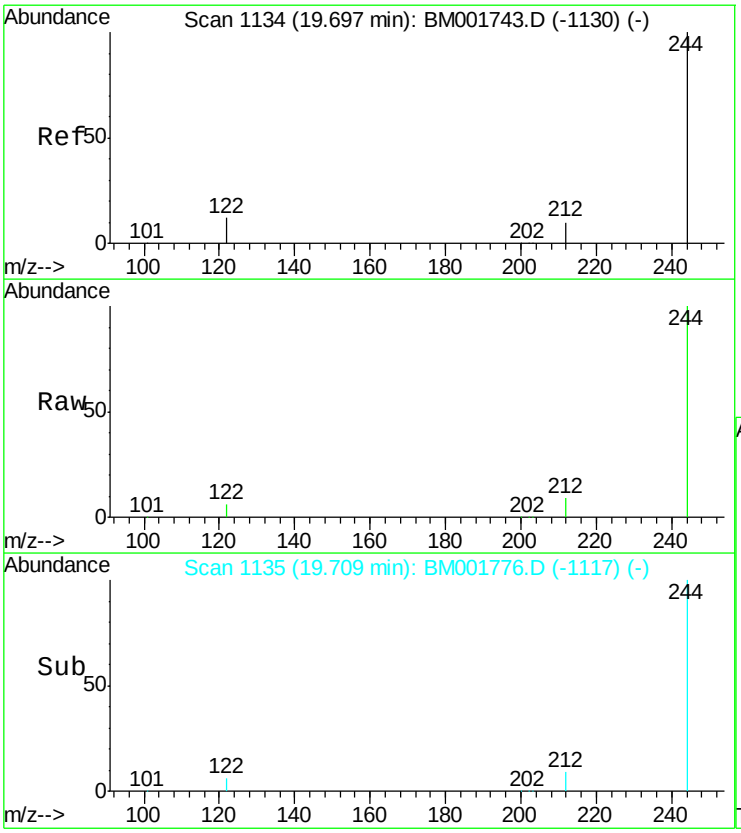

#26
Pyrene
Concen: 0.03 ng
RT: 19.49 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

**Instrument :**
BNA_M
**ClientSampleId :**
C-5

Tgt Ion:202 Resp: 597

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.1 | 16.6 | 24.8 |
| 203 | 20.6 | 13.9 | 20.9 |

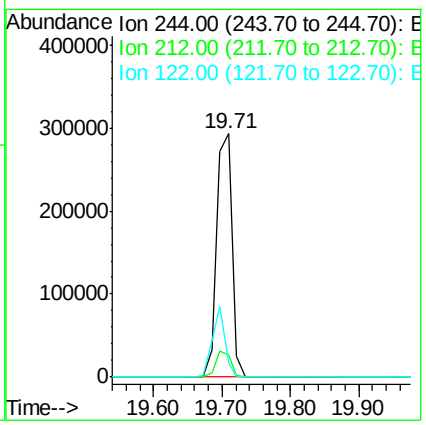


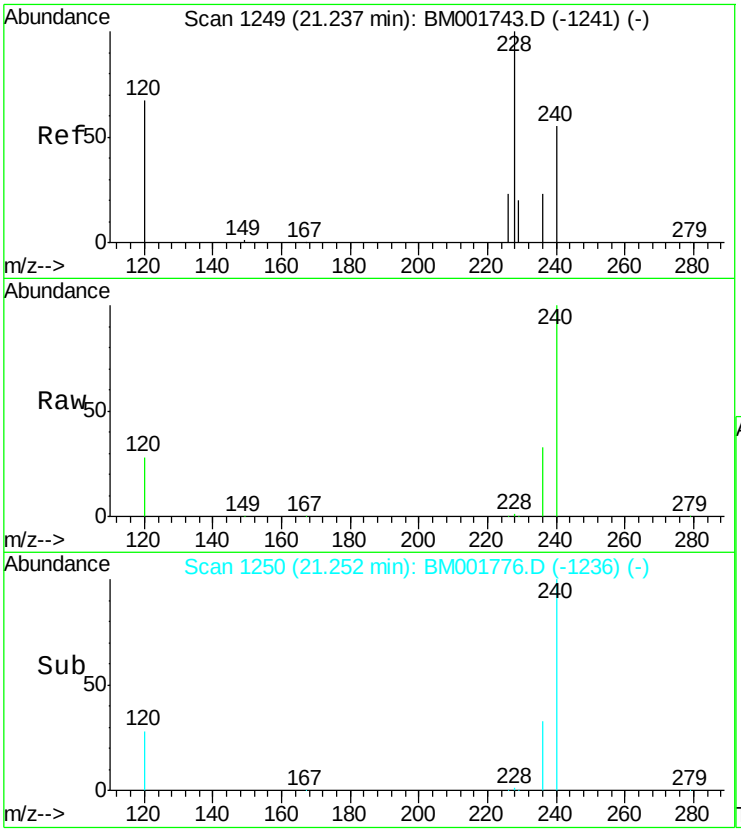




#27
Terphenyl-d14
Concen: 62.06 ng
RT: 19.71 min Scan# 1135
Delta R.T. 0.01 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

Tgt Ion:244 Resp: 455416

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.9 | 8.6 | 13.0 |
| 122 | 6.0 | 10.6 | 15.8# |



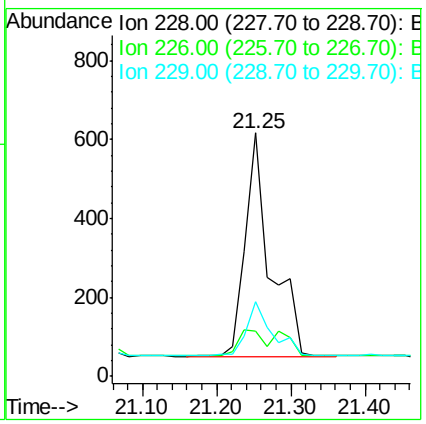


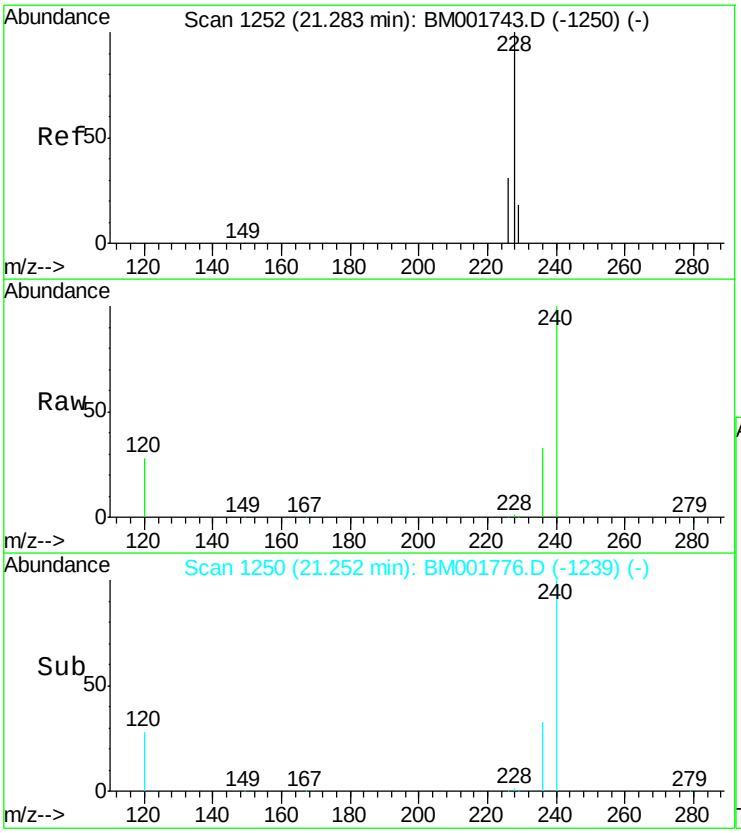

#28
Benzo(a)anthracene
Concen: 0.09 ng
RT: 21.25 min Scan# 1250
Delta R.T. 0.02 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

**Instrument :**
BNA_M
**ClientSampleId :**
C-5

Tgt Ion:228 Resp: 1356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 18.5 | 18.9 | 28.3# |
| 229 | 30.8 | 16.6 | 25.0# |

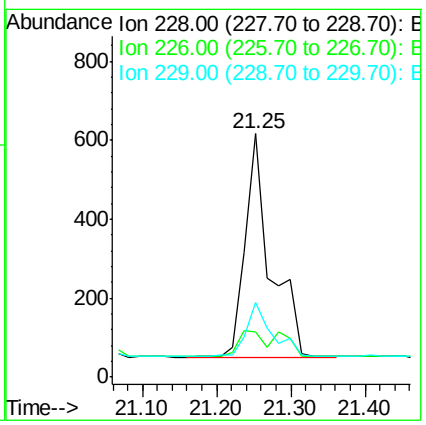


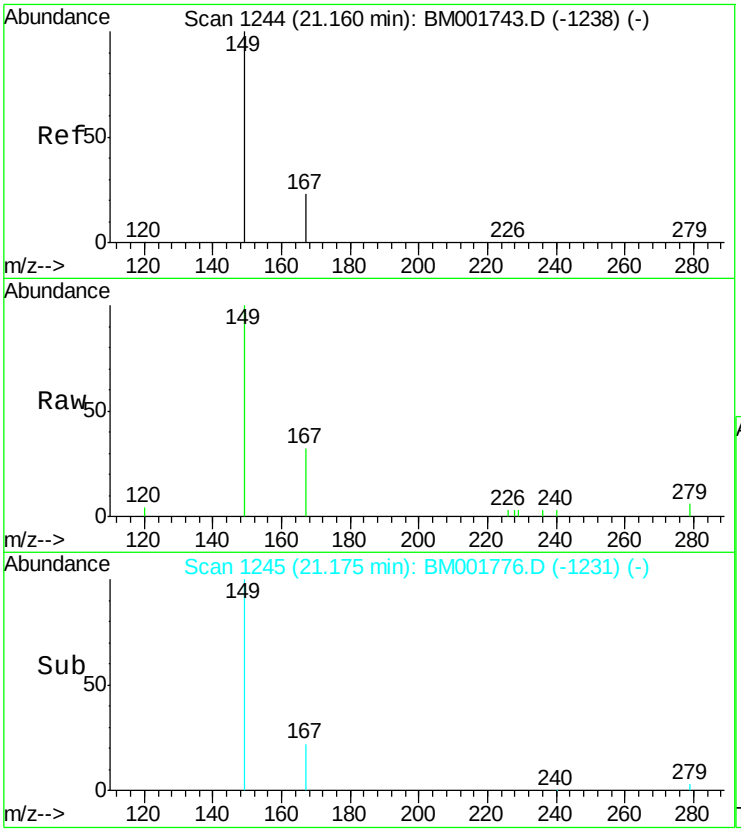




#29
Chrysene
Concen: 0.09 ng
RT: 21.25 min Scan# 1250
Delta R.T. -0.03 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

Tgt Ion:228 Resp: 1356

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 18.5 | 24.3 | 36.5# |
| 229 | 30.8 | 15.0 | 22.6# |



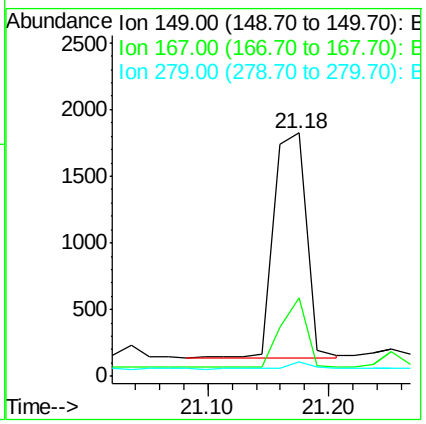


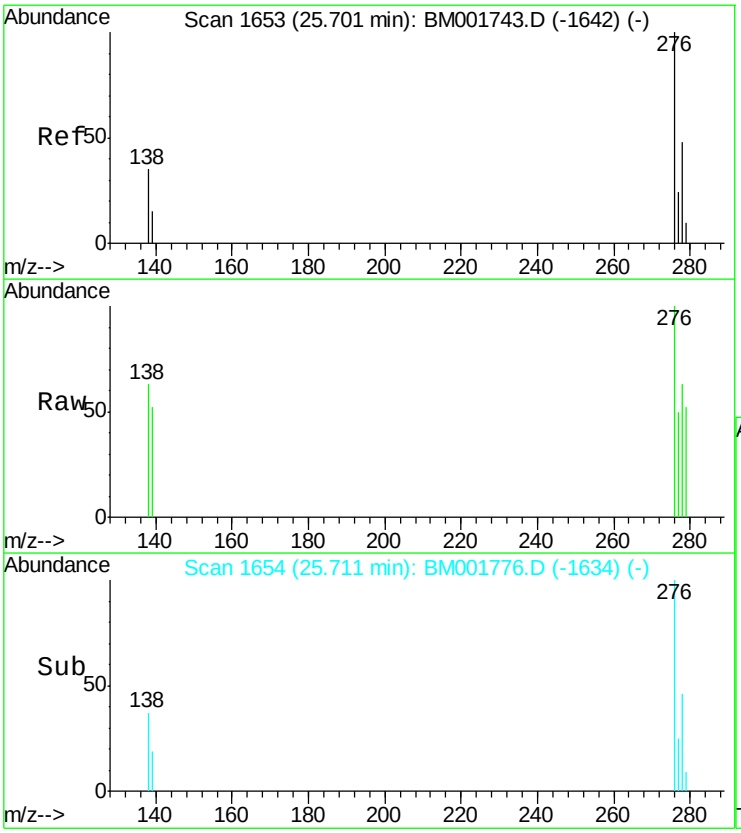

#30
Bis(2-ethylhexyl)phthalate
Concen: 0.36 ng
RT: 21.18 min Scan# 1245
Delta R.T. 0.02 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

**Instrument :**
BNA_M
**ClientSampleId :**
C-5

Tgt Ion:149 Resp: 3148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 24.8 | 19.7 | 29.5 |
| 279 | 2.5 | 1.6 | 2.4# |

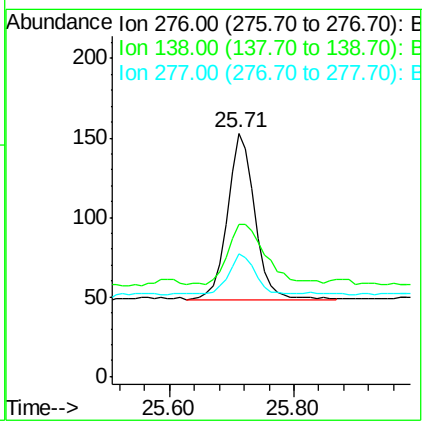


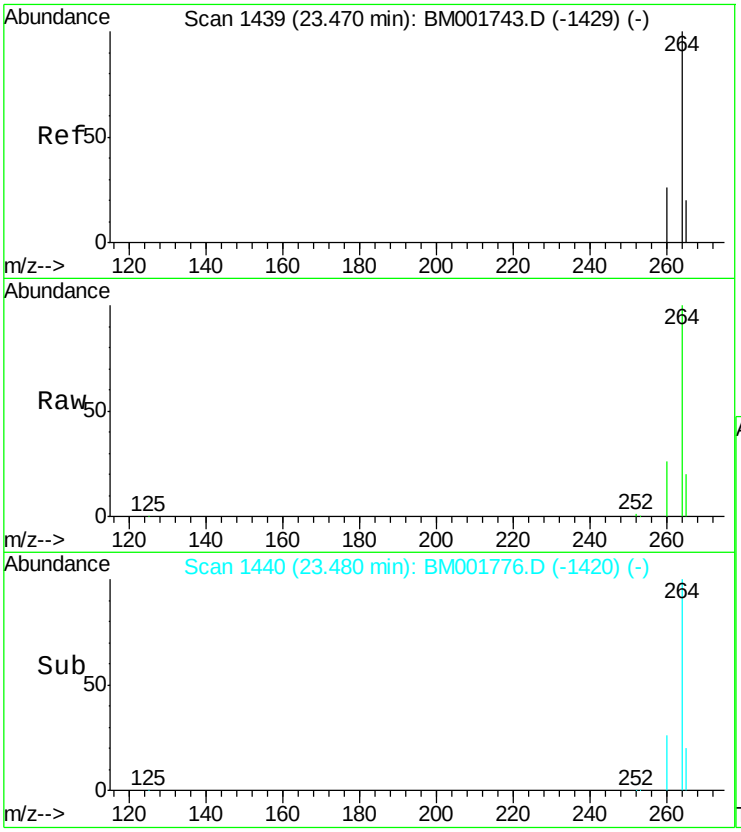




#31
Indeno(1,2,3-cd)pyrene
Concen: 0.02 ng
RT: 25.71 min Scan# 1654
Delta R.T. 0.01 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

Tgt Ion:276 Resp: 328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 46.6 | 29.0 | 43.6# |
| 277 | 23.2 | 19.7 | 29.5 |



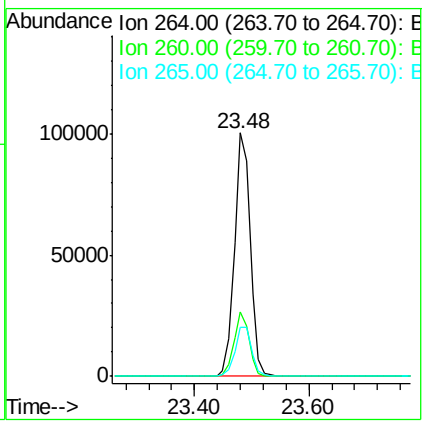


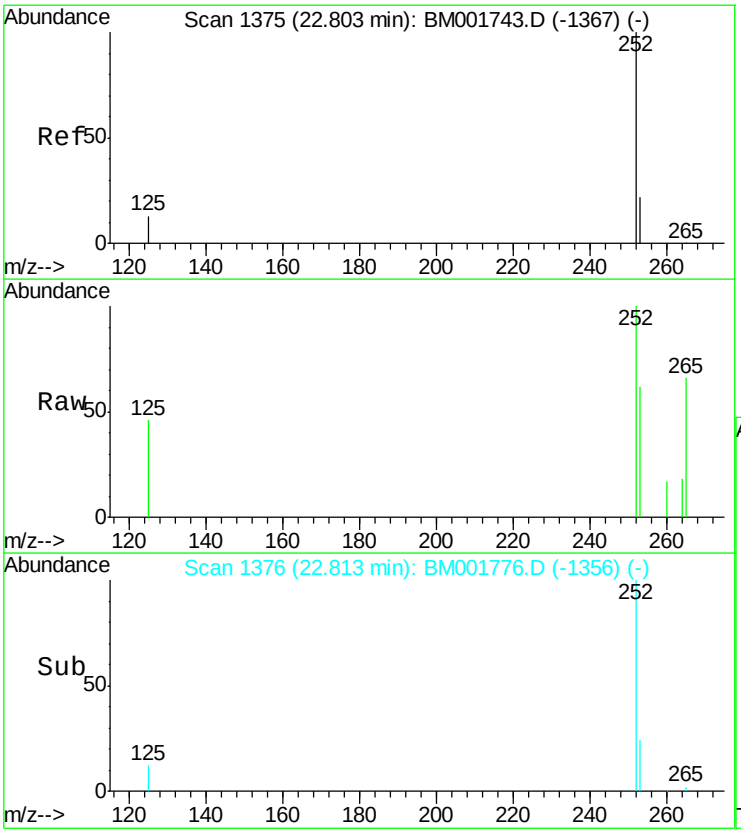

#32
Perylene-d12
Concen: 5.00 ng
RT: 23.48 min Scan# 1440
Delta R.T. 0.01 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

**Instrument :**
BNA_M
**ClientSampleId :**
C-5

Tgt Ion:264 Resp: 191790

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 26.3 | 20.8 | 31.2 |
| 265 | 20.1 | 16.8 | 25.2 |

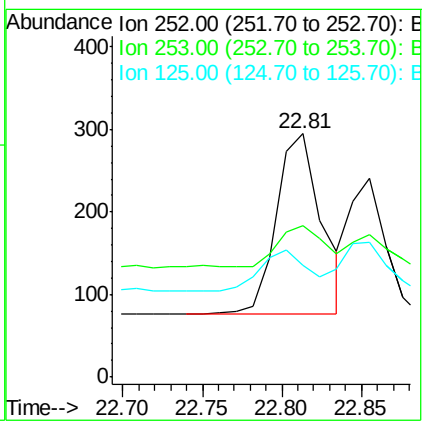


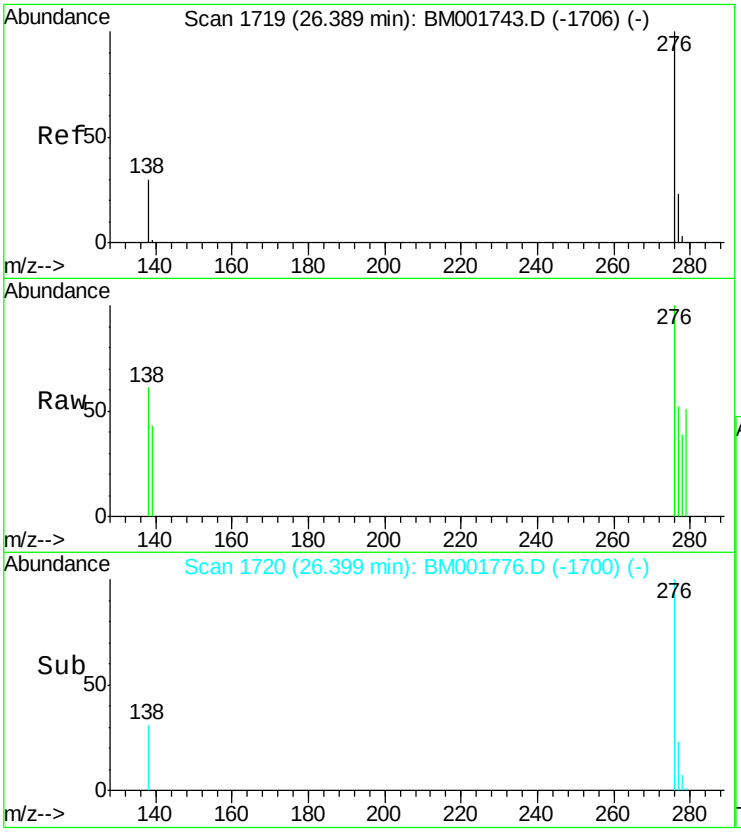




#33
Benzo(b)fluoranthene
Concen: 0.03 ng
RT: 22.81 min Scan# 1376
Delta R.T. 0.01 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

Tgt Ion:252 Resp: 433

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 62.0 | 19.0 | 28.4# |
| 125 | 45.8 | 11.3 | 16.9# |






#37
Benzo(g,h,i)perylene
Concen: 0.02 ng
RT: 26.40 min Scan# 1720
Delta R.T. 0.01 min
Lab File: BM001776.D
Acq: 22 Jun 2015 17:12

**Instrument :**
BNA_M
**ClientSampleId :**
C-5

Tgt Ion:276 Resp: 308

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 52.1 | 19.3 | 28.9# |
| 138 | 60.7 | 24.7 | 37.1# |