Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\
Data File : BM003769.D
Acq On : 24 Dec 2015 08:20
Operator : UM/SJ
Sample : G4860-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Dec 24 14:57:48 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 24 10:08:49 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.69 | 152 | 39171 | 5.00 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.48 | 136 | 172362 | 5.00 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.33 | 164 | 102240 | 5.00 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 17.06 | 188 | 199150 | 5.00 | ng | | 0.00 |
| 26) Chrysene-d12 | 21.29 | 240 | 226198 | 5.00 | ng | | 0.00 |
| 35) Perylene-d12 | 23.53 | 264 | 200170 | 5.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.27 | 112 | 24875 | 2.69 | ng | | 0.00 |
| 5) Phenol-d6 | 6.87 | 99 | 19211 | 1.69 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.85 | 82 | 32555 | 3.56 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.84 | 330 | 23752 | 7.40 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 12.95 | 172 | 127139 | 4.06 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.72 | 244 | 161658 | 4.51 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.18 | 88 | 340 | 0.03 | ng | # | 44 |
| 3) n-Nitrosodimethylamine | 3.48 | 42 | 353 | 0.08 | ng | # | 1 |
| 17) Acenaphthene | 14.33 | 154 | 447 | 0.04 | ng | # | 7 |
| 18) Fluorene | 15.39 | 166 | 293 | Below Cal | | # | 64 |
| 20) 4-Bromophenyl-phenylether | 16.27 | 248 | 20 | Below Cal | | # | 85 |
| 21) Hexachlorobenzene | 16.40 | 284 | 29 | Below Cal | | # | 72 |
| 22) Pentachlorophenol | 16.76 | 266 | 135 | 0.41 | ng | # | 77 |
| 23) Phenanthrene | 17.11 | 178 | 1823 | Below Cal | | # | 88 |
| 24) Anthracene | 17.11 | 178 | 1673 | 0.09 | ng | | 95 |
| 25) Fluoranthene | 19.16 | 202 | 761 | 0.11 | ng | # | 93 |
| 27) Benzidine | 19.71 | 184 | 3559 | 0.38 | ng | # | 92 |
| 28) Pyrene | 19.52 | 202 | 673 | Below Cal | | # | 95 |
| 31) 3,3'-Dichlorobenzidine | 21.23 | 252 | 78 | 0.25 | ng | # | 56 |
| 32) Chrysene | 21.27 | 228 | 1634 | Below Cal | | # | 84 |
| 33) Bis(2-ethylhexyl)phthalate | 21.19 | 149 | 3952 | 0.27 | ng | # | 81 |

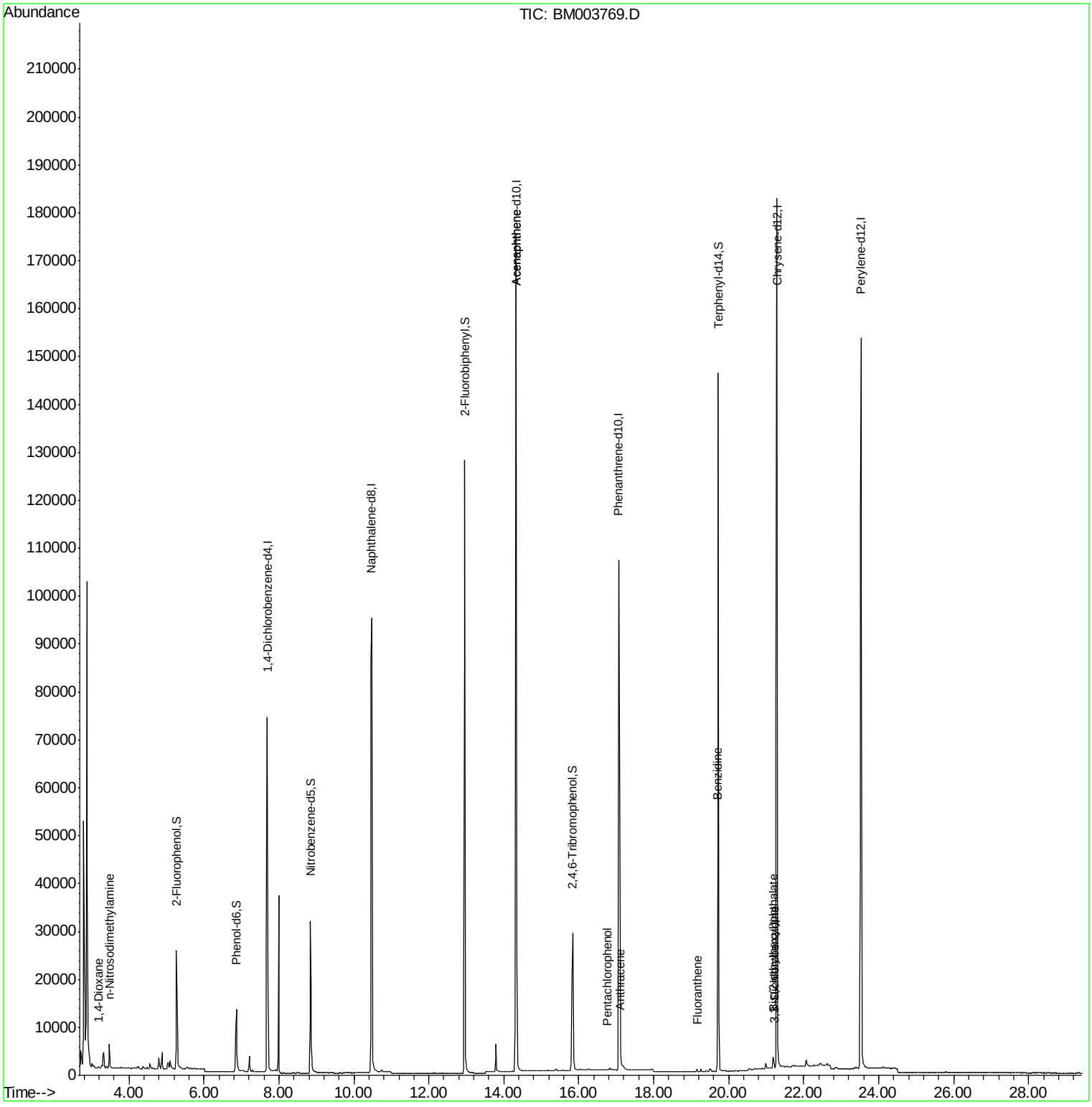
(#) = qualifier out of range (m) = manual integration (+) = signals summed

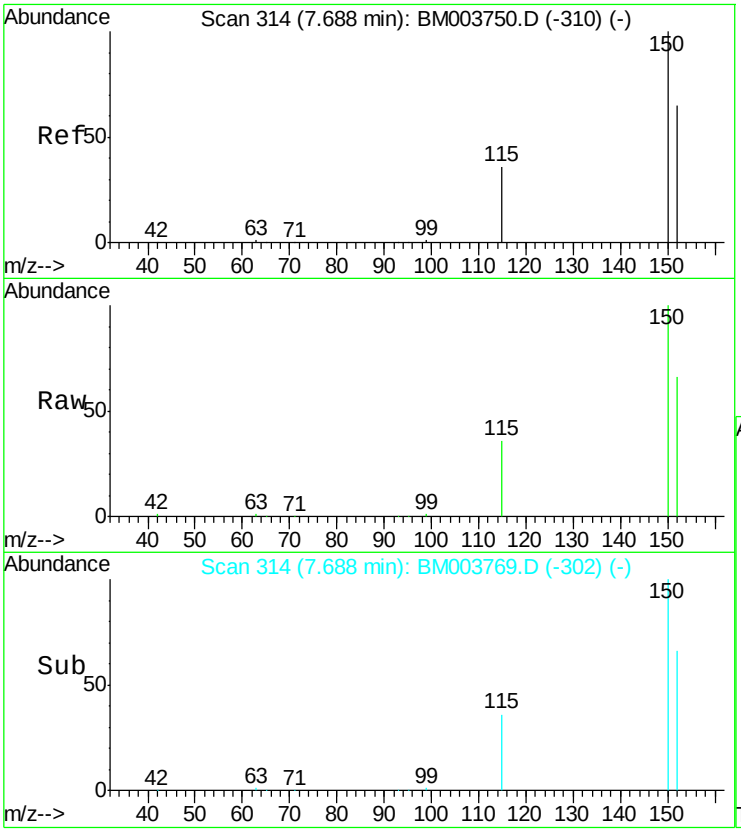
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\
Data File : BM003769.D
Acq On : 24 Dec 2015 08:20
Operator : UM/SJ
Sample : G4860-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

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

Quant Time: Dec 24 14:57:48 2015
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM122415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 24 10:08:49 2015
Response via : Initial Calibration



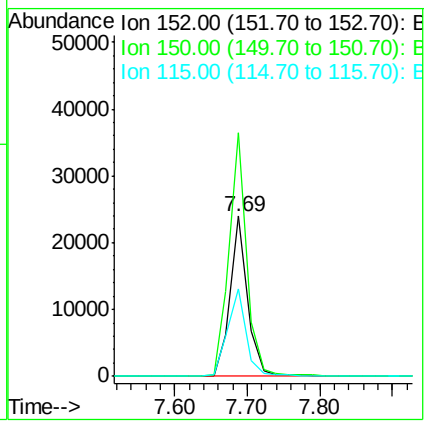


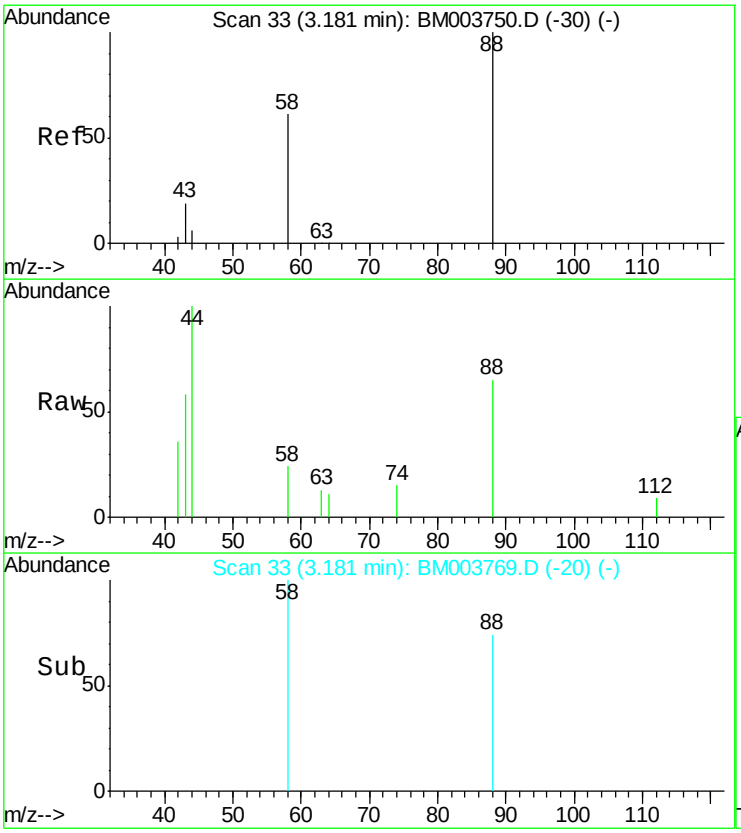

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.69 min Scan# 314
Delta R.T. -0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

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

Tgt Ion:152 Resp: 39171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.2 | 122.9 | 184.3 |
| 115 | 54.8 | 44.4 | 66.6 |

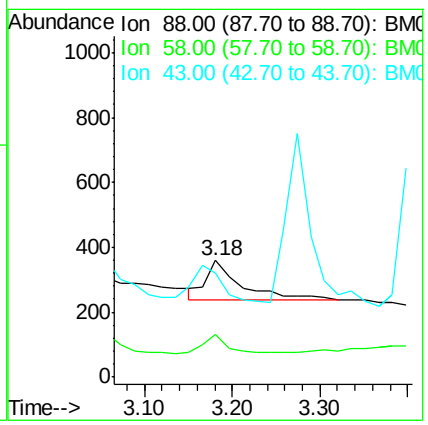


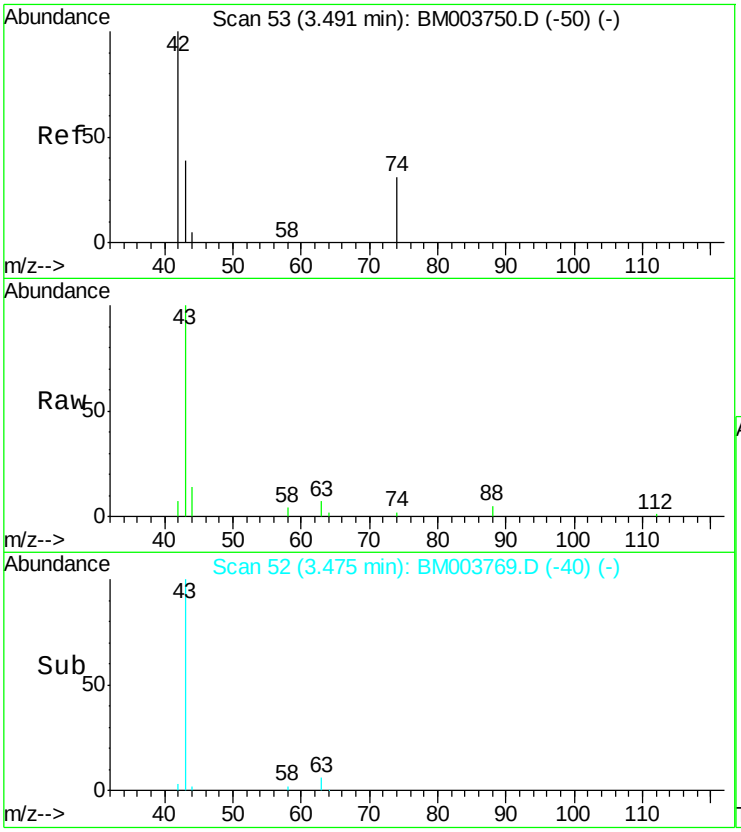




#2
1,4-Dioxane
Concen: 0.03 ng
RT: 3.18 min Scan# 33
Delta R.T. 0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

Tgt Ion: 88 Resp: 340

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 31.2 | 53.8 | 80.6# |
| 43 | 73.8 | 23.8 | 35.6# |



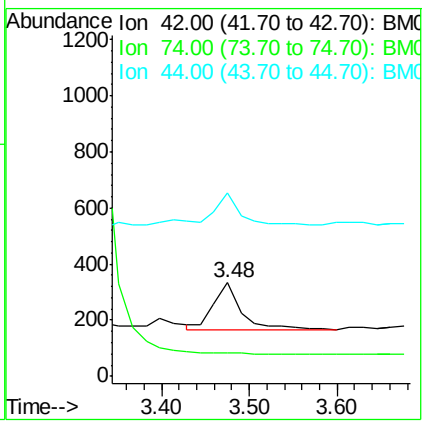


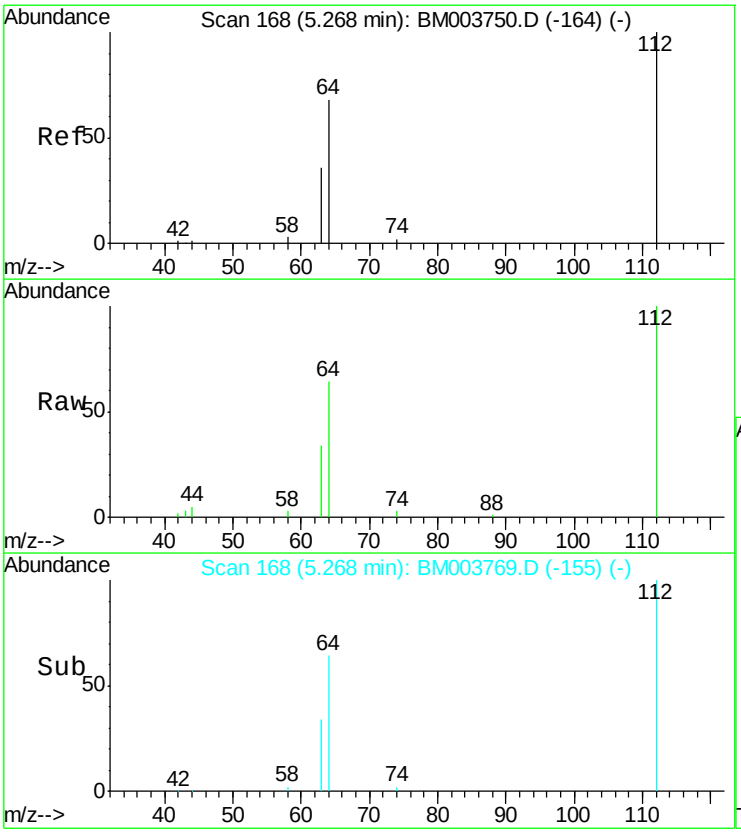

#3
n-Nitrosodimethylamine
Concen: 0.08 ng
RT: 3.48 min Scan# 52
Delta R.T. -0.02 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

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

Tgt Ion: 42 Resp: 353

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 0.0 | 95.0 | 142.4# |
| 44 | 75.9 | 5.1 | 7.7# |

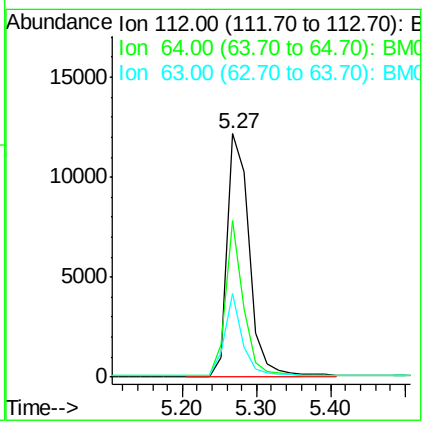


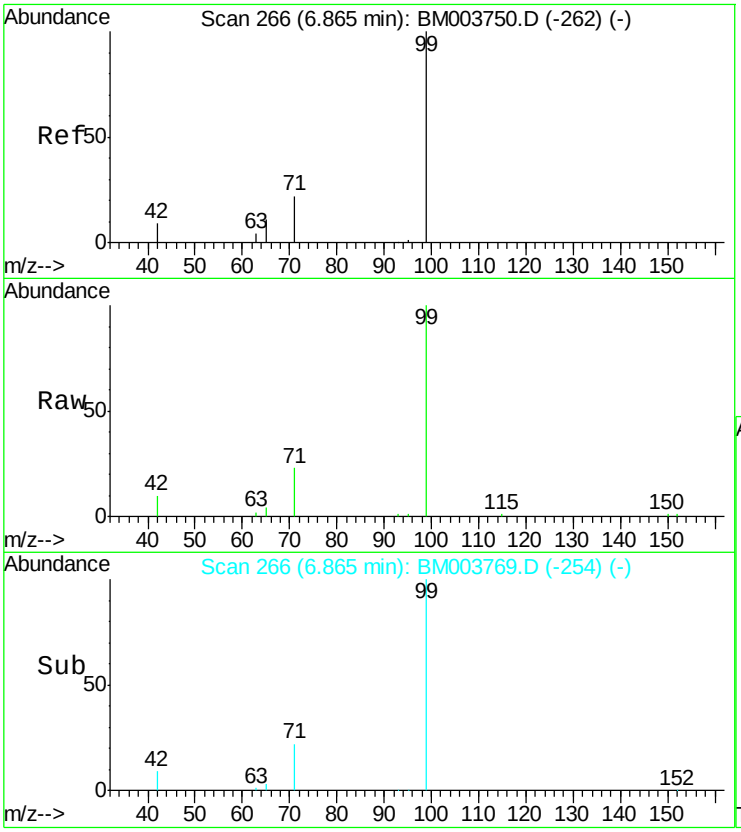




#4
2-Fluorophenol
Concen: 2.69 ng
RT: 5.27 min Scan# 168
Delta R.T. -0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

Tgt Ion:112 Resp: 24875

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.3 | 41.8 | 62.8 |
| 63 | 27.5 | 22.1 | 33.1 |



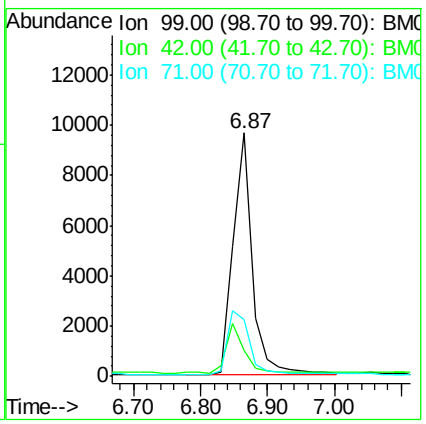


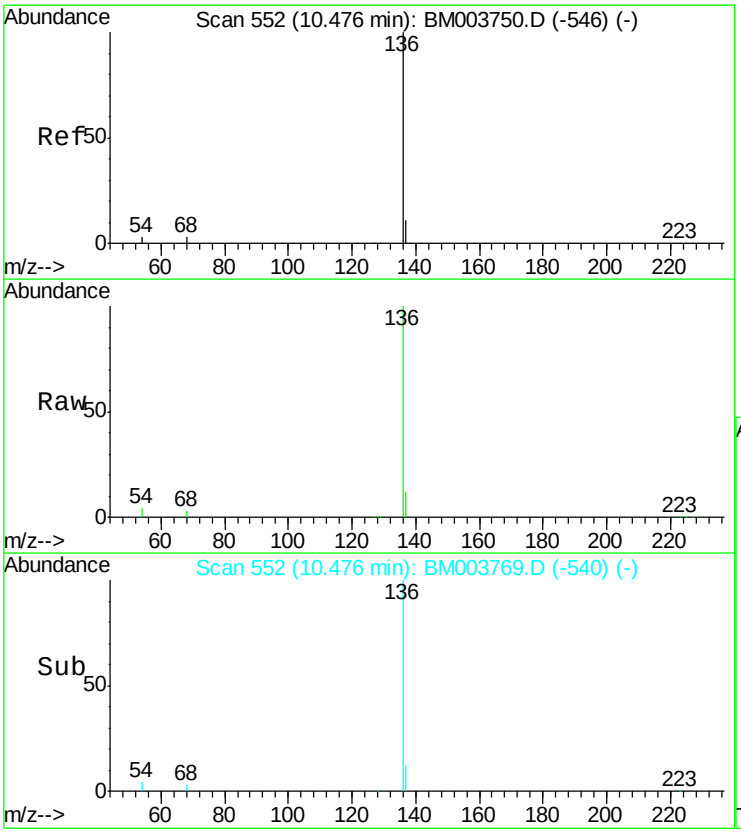

#5
Phenol-d6
Concen: 1.69 ng
RT: 6.87 min Scan# 266
Delta R.T. -0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

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

Tgt Ion: 99 Resp: 19211

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.0 | 16.2 | 24.2 |
| 71 | 30.6 | 24.4 | 36.6 |

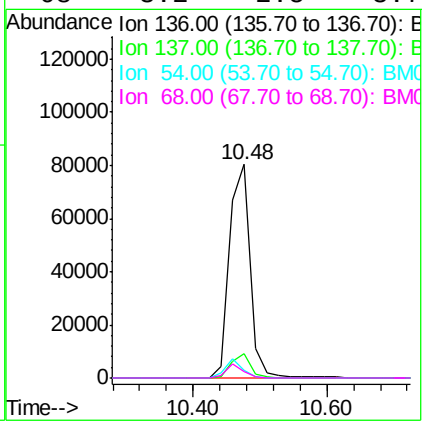


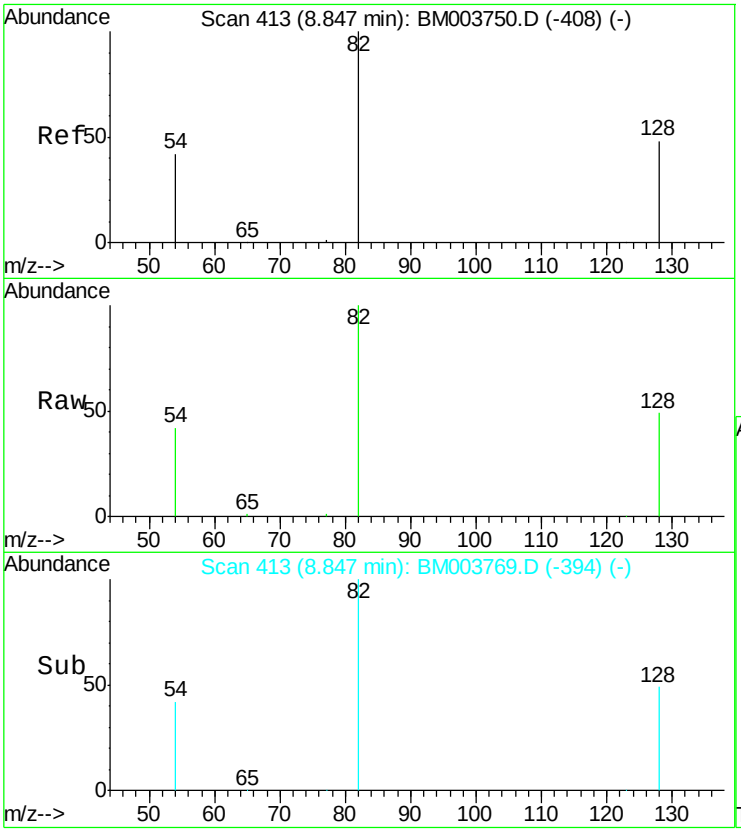




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.48 min Scan# 552
Delta R.T. -0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

Tgt Ion:136 Resp: 172362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.6 | 9.2 | 13.8 |
| 54 | 3.6 | 2.8 | 4.2 |
| 68 | 3.2 | 2.5 | 3.7 |



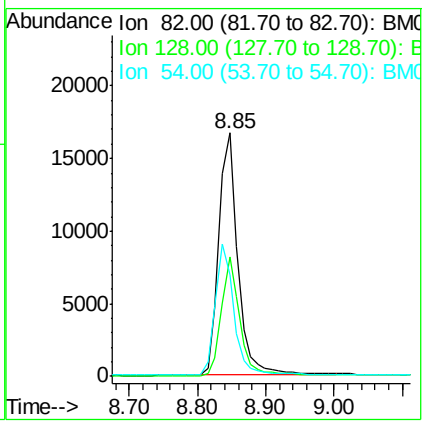


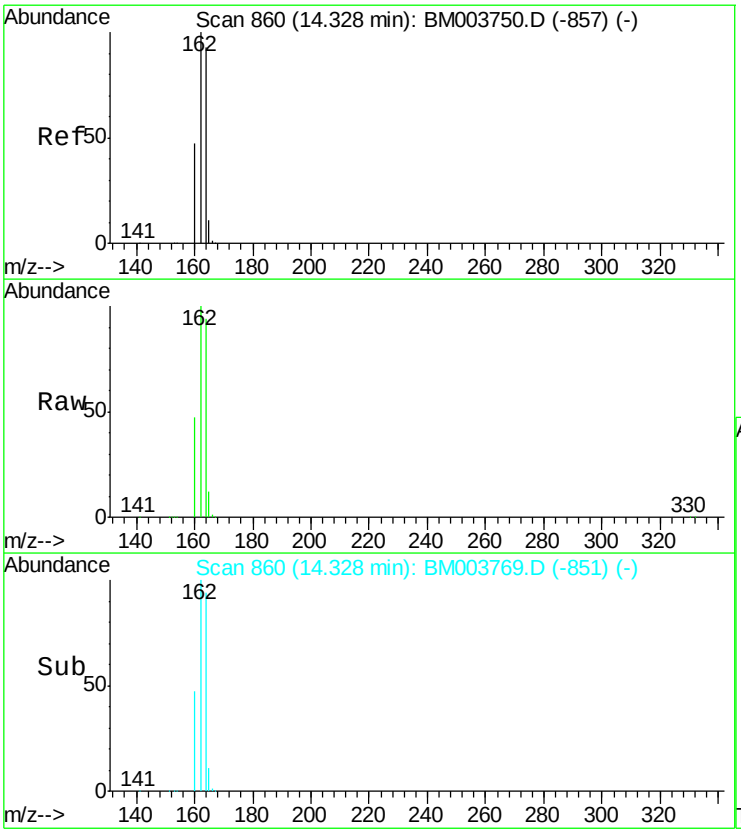

#8
Nitrobenzene-d5
Concen: 3.56 ng
RT: 8.85 min Scan# 413
Delta R.T. -0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

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

Tgt Ion: 82 Resp: 32555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 49.0 | 39.1 | 58.7 |
| 54 | 41.8 | 34.8 | 52.2 |

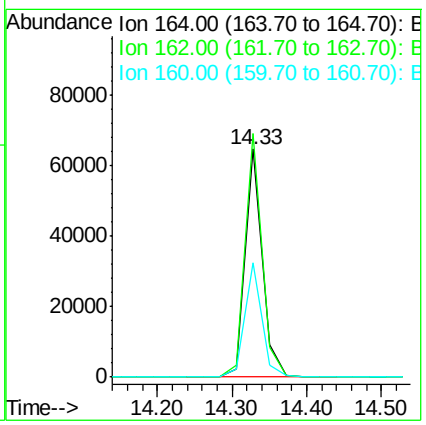


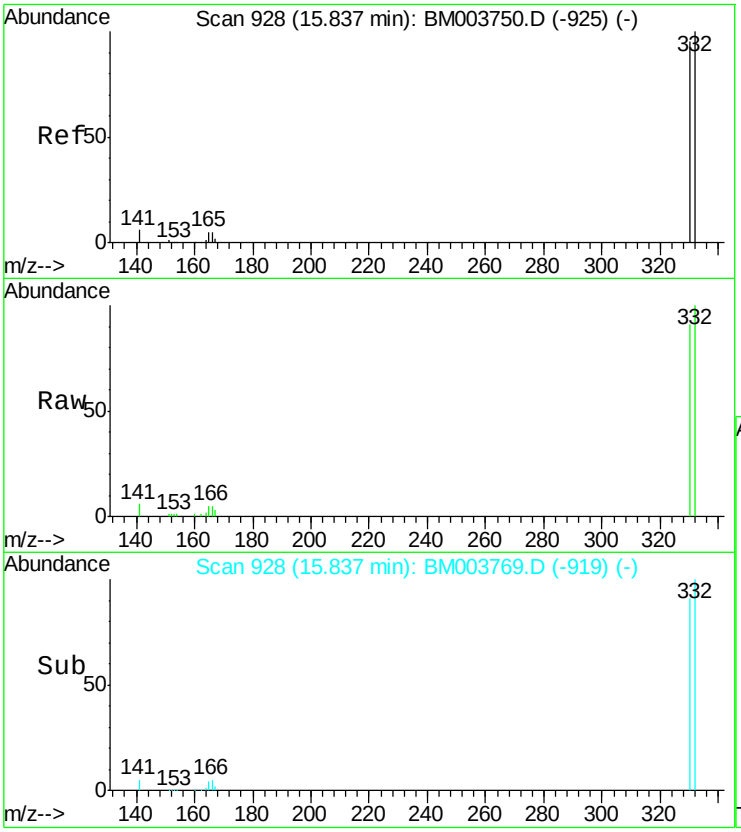




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.33 min Scan# 860
Delta R.T. -0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

Tgt Ion:164 Resp: 102240

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.9 | 86.0 | 129.0 |
| 160 | 50.0 | 40.3 | 60.5 |



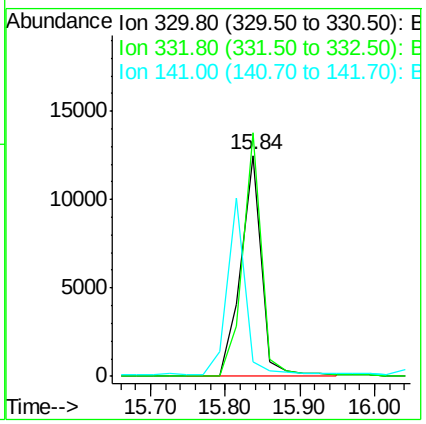


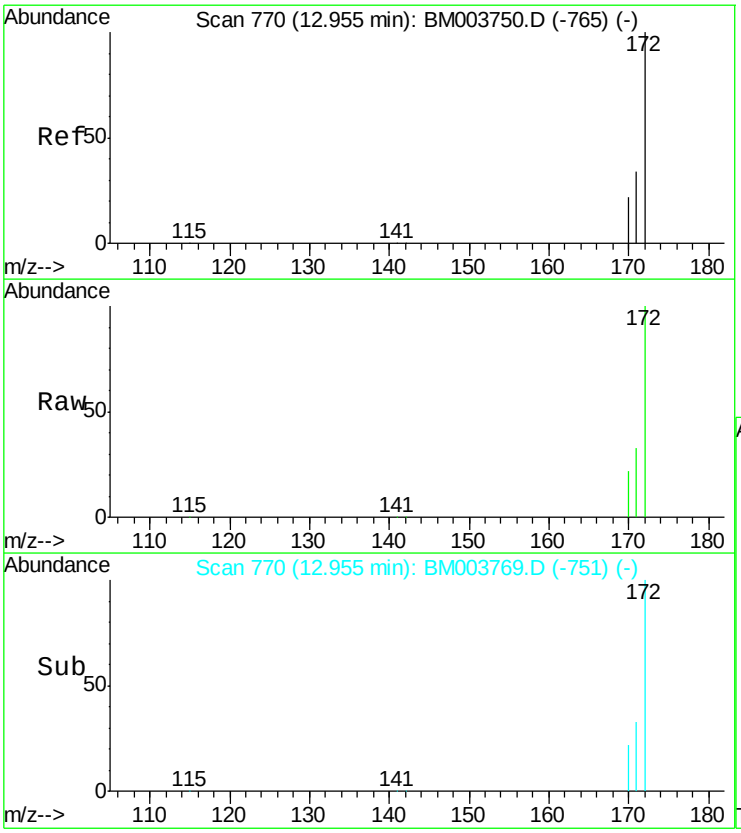

#14
2,4,6-Tribromophenol
Concen: 7.40 ng
RT: 15.84 min Scan# 928
Delta R.T. 0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

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

Tgt Ion:330 Resp: 23752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 101.0 | 79.0 | 118.4 |
| 141 | 0.0 | 0.0 | 0.0 |

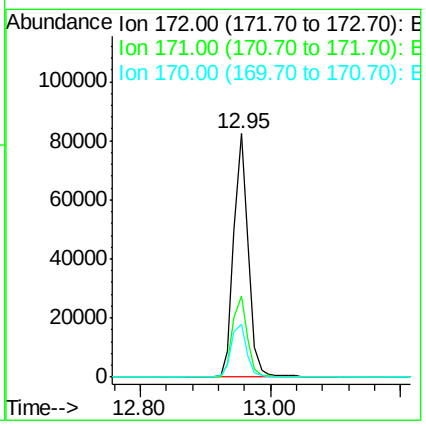


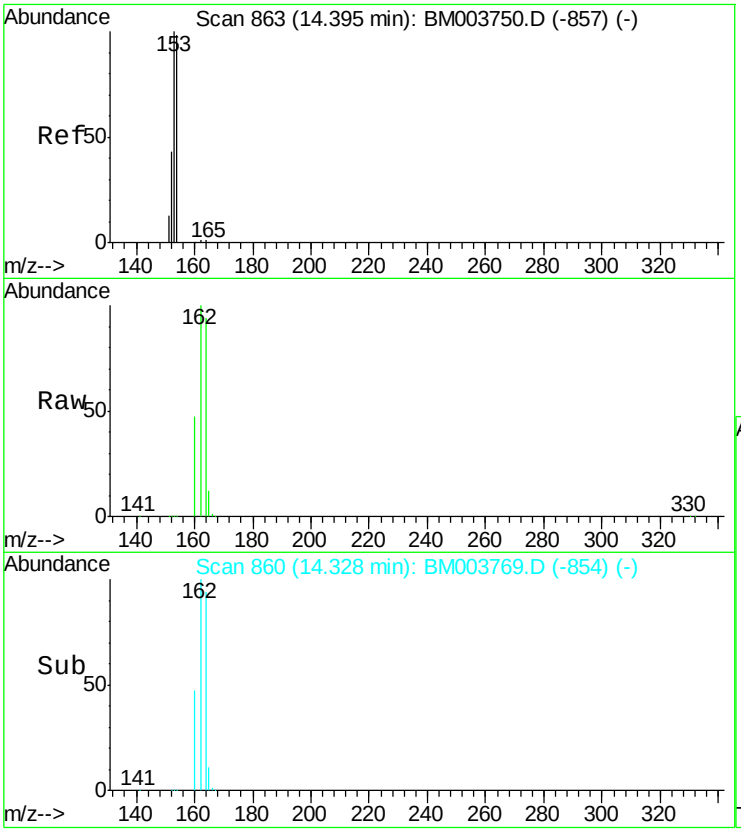




#15
2-Fluorobiphenyl
Concen: 4.06 ng
RT: 12.95 min Scan# 770
Delta R.T. -0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

Tgt Ion:172 Resp: 127139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.5 | 27.0 | 40.6 |
| 170 | 21.6 | 17.9 | 26.9 |



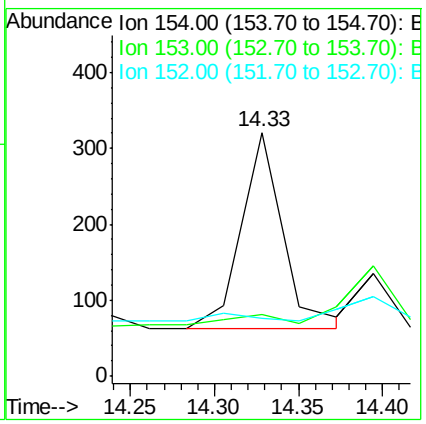


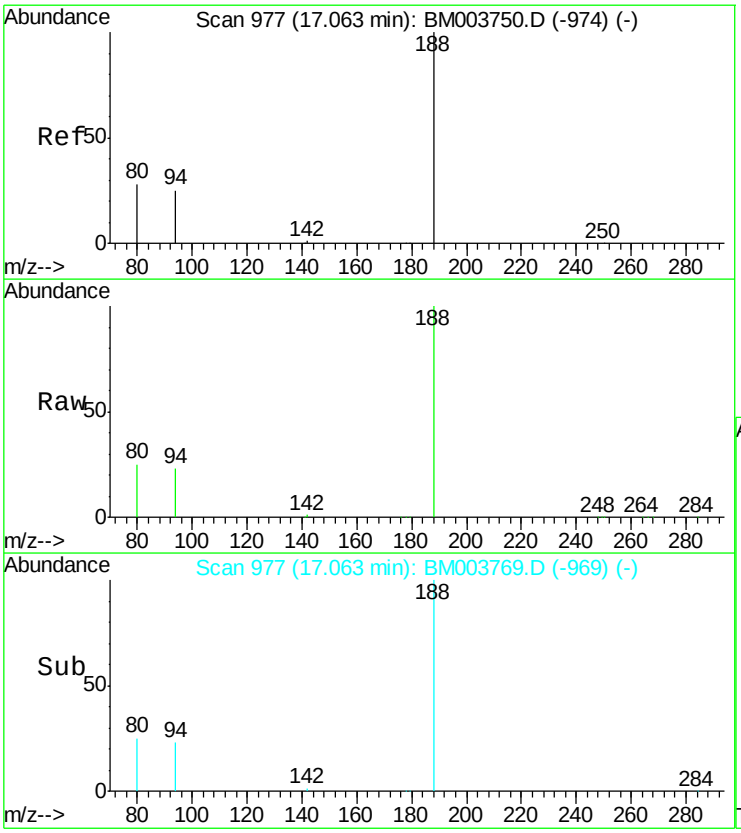

#17
Acenaphthene
Concen: 0.04 ng
RT: 14.33 min Scan# 860
Delta R.T. -0.07 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

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

Tgt Ion:154 Resp: 447

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 0.0 | 85.4 | 128.2# |
| 152 | 0.0 | 40.6 | 60.8# |

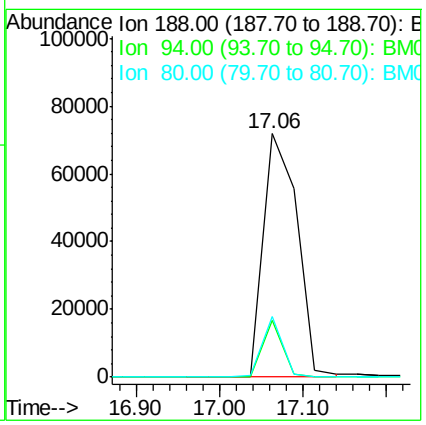


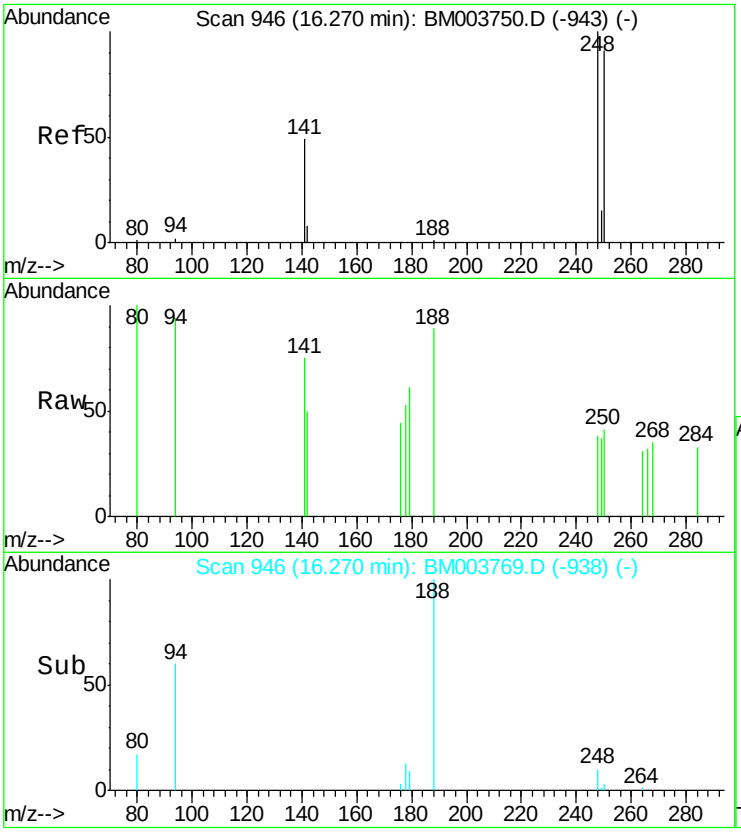




#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 977
Delta R.T. -0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

Tgt Ion:188 Resp: 199150

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 23.1 | 20.3 | 30.5 |
| 80 | 24.7 | 22.2 | 33.4 |



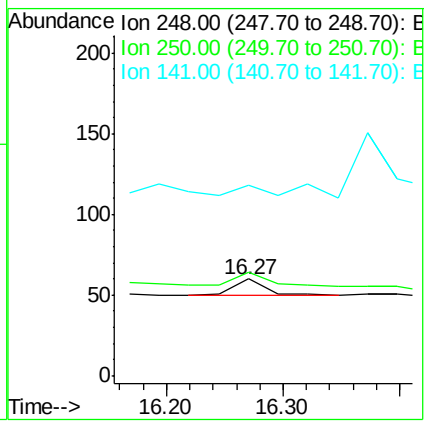


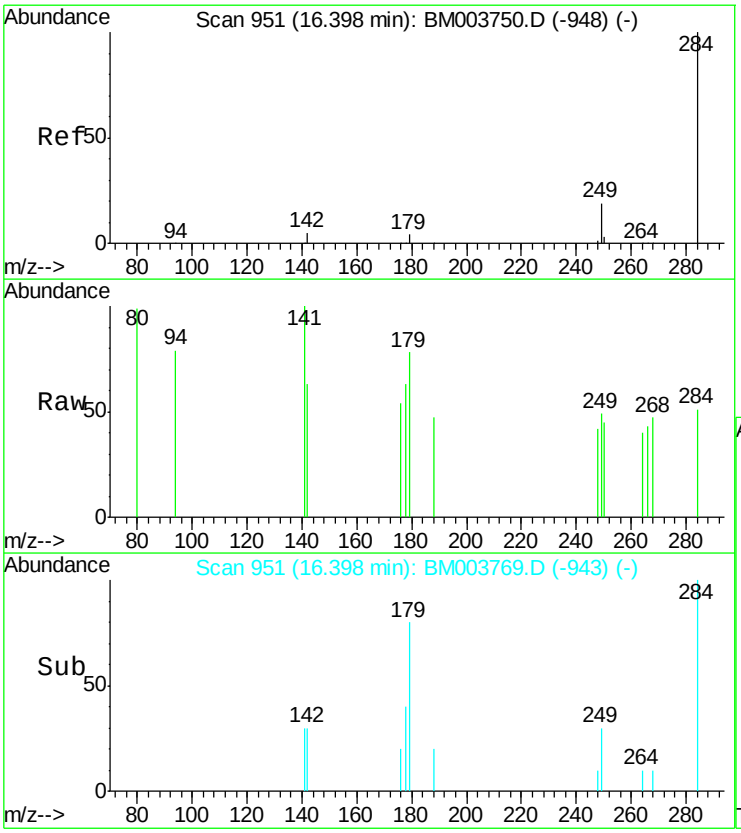

#20
4-Bromophenyl-phenylether
Concen: Below Cal
RT: 16.27 min Scan# 946
Delta R.T. 0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

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

Tgt Ion:248 Resp: 20

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 100.0 | 75.0 | 112.4 |
| 141 | 45.0 | 53.0 | 79.4# |

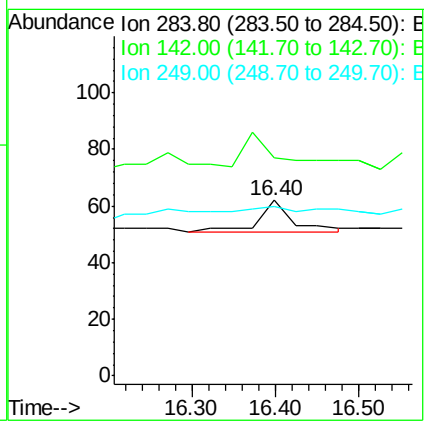


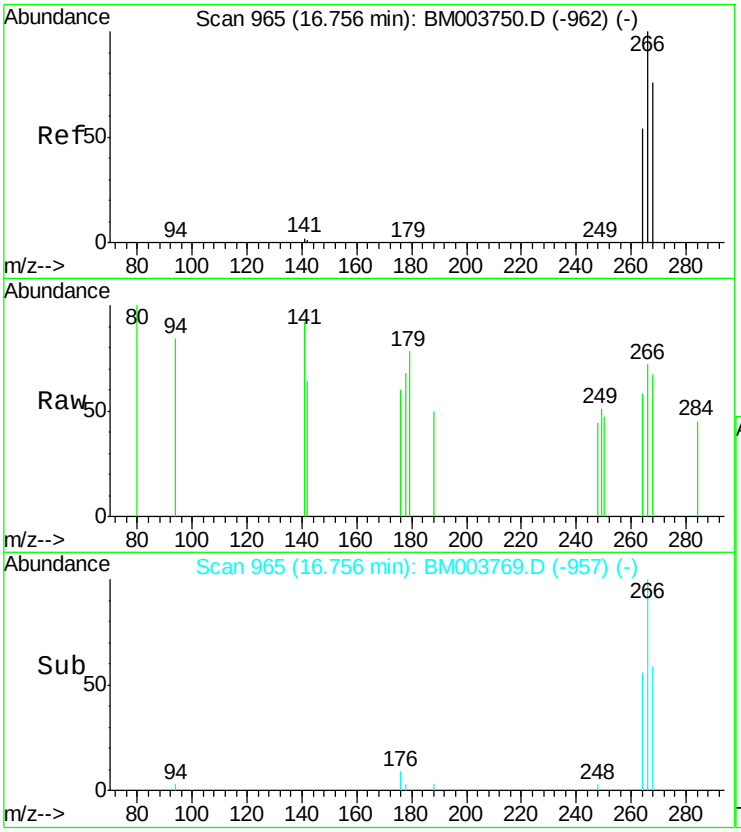




#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.40 min Scan# 951
Delta R.T. 0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

Tgt Ion:284 Resp: 29

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 284 | 100 | | |
| 142 | 0.0 | 0.0 | 0.0 |
| 249 | 41.4 | 21.5 | 32.3# |



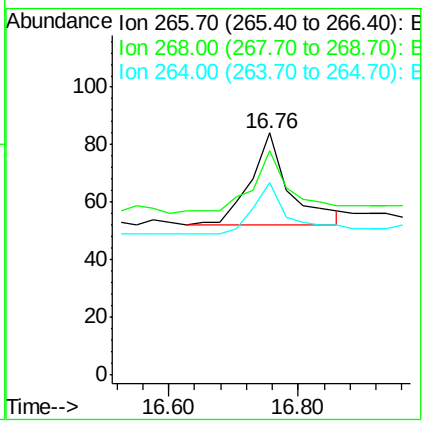


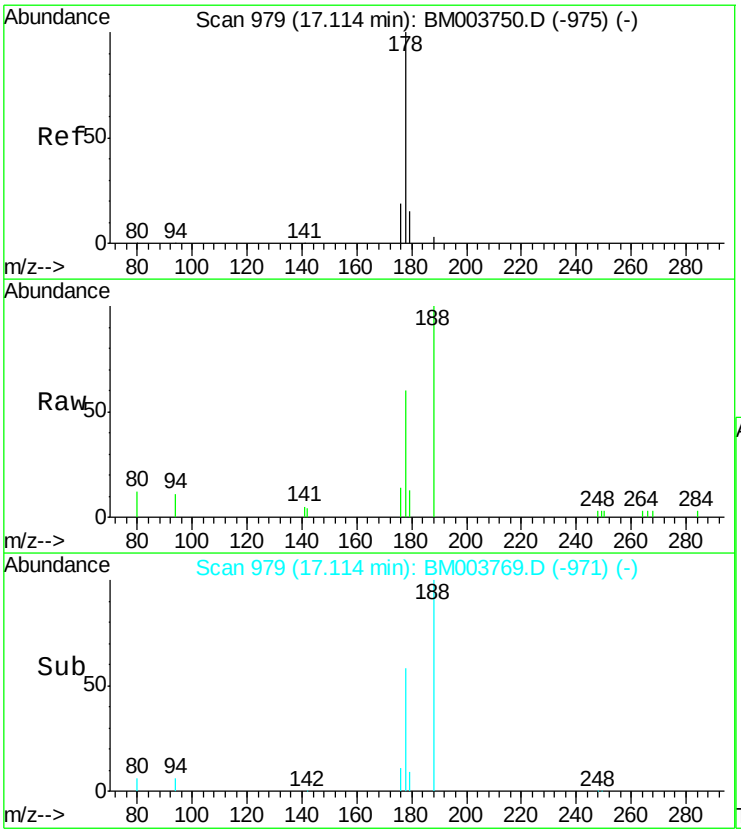

#22
Pentachlorophenol
Concen: 0.41 ng
RT: 16.76 min Scan# 965
Delta R.T. 0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

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

Tgt Ion:266 Resp: 135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 92.9 | 62.7 | 94.1 |
| 264 | 79.8 | 45.7 | 68.5# |

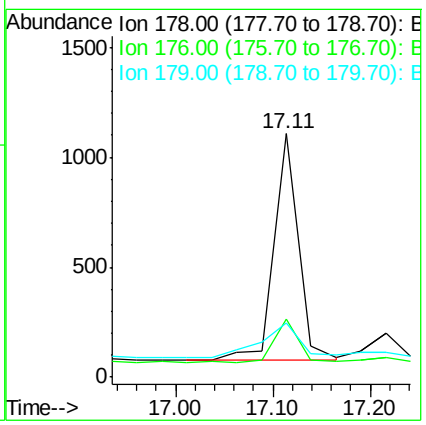


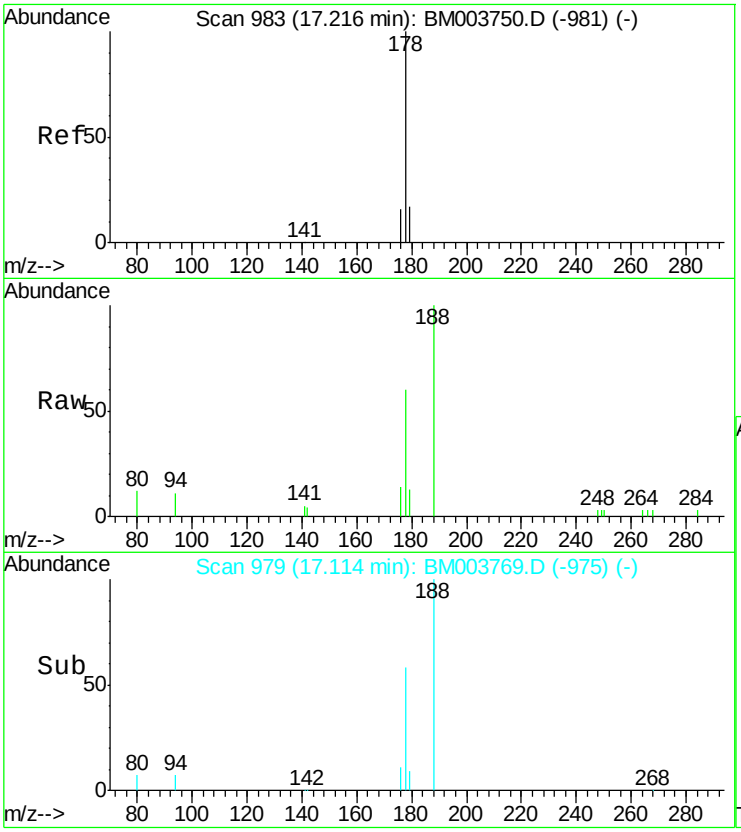




#23
Phenanthrene
Concen: Below Cal
RT: 17.11 min Scan# 979
Delta R.T. 0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

Tgt Ion:178 Resp: 1823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.2 | 15.4 | 23.0 |
| 179 | 25.5 | 12.2 | 18.4# |



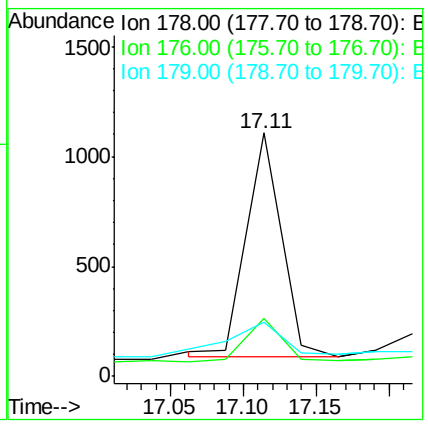


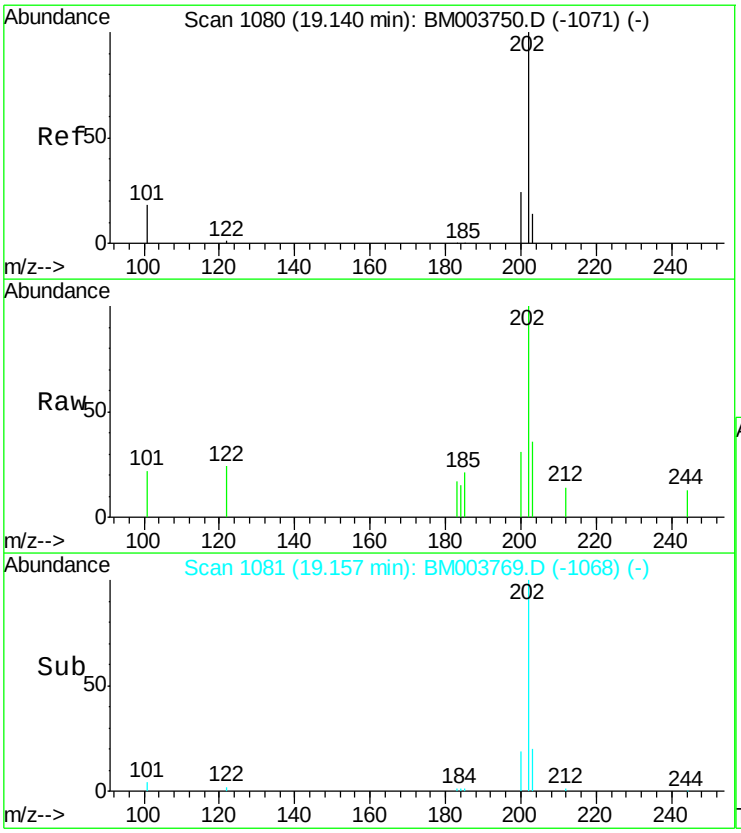

#24
Anthracene
Concen: 0.09 ng
RT: 17.11 min Scan# 979
Delta R.T. -0.10 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

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

Tgt Ion:178 Resp: 1673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.7 | 14.6 | 21.8 |
| 179 | 18.6 | 12.6 | 19.0 |

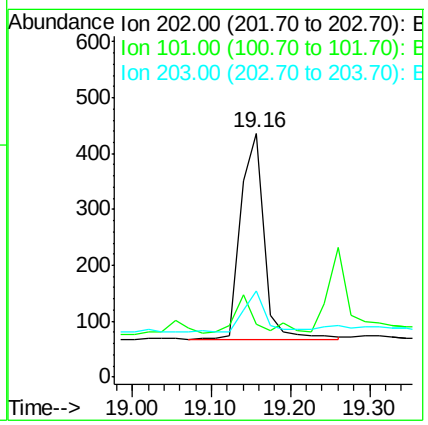


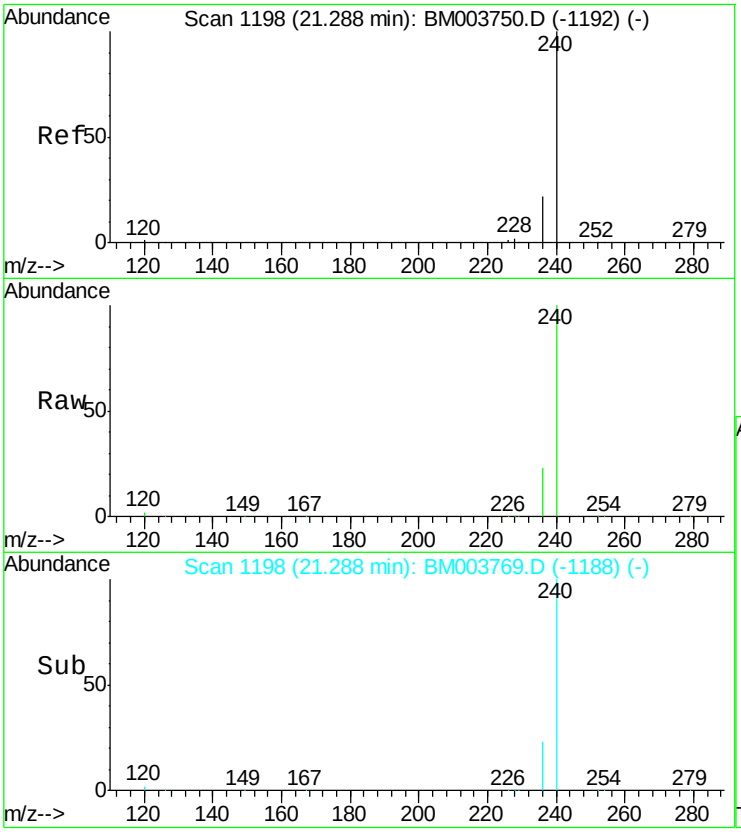




#25
Fluoranthene
Concen: 0.11 ng
RT: 19.16 min Scan# 1081
Delta R.T. 0.02 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

Tgt Ion:202 Resp: 761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 17.0 | 9.7 | 14.5# |
| 203 | 18.4 | 13.8 | 20.8 |



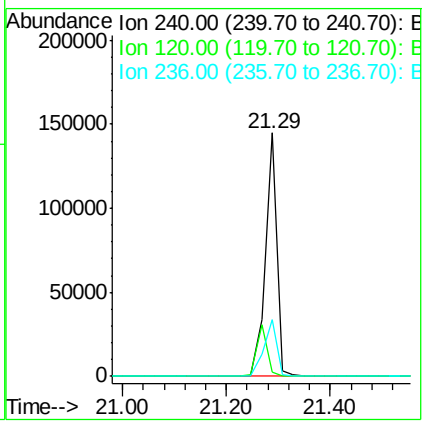


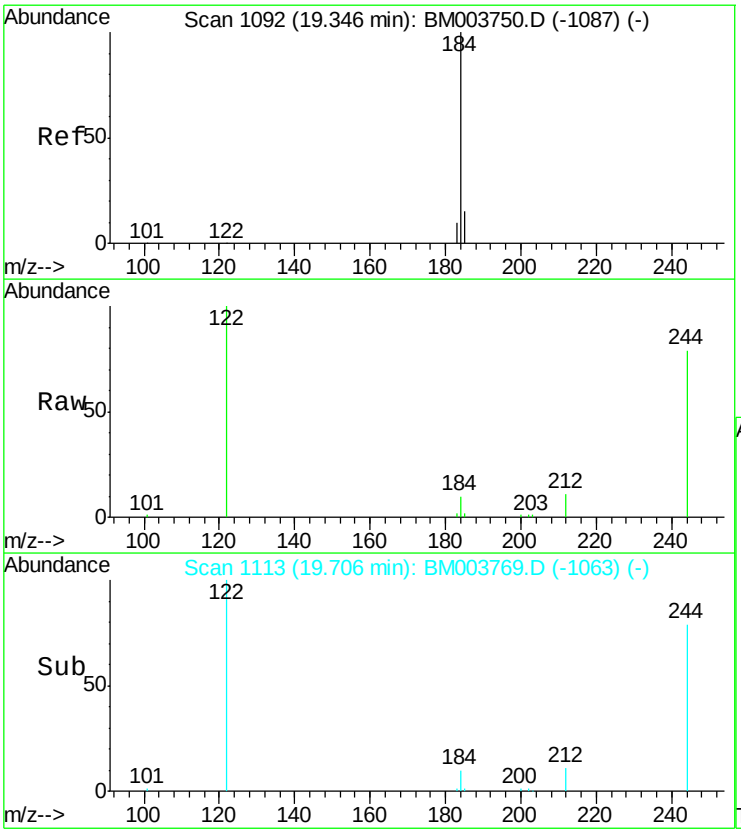

#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

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

Tgt Ion:240 Resp: 226198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 1.7 | 0.9 | 1.3# |
| 236 | 23.4 | 17.3 | 25.9 |

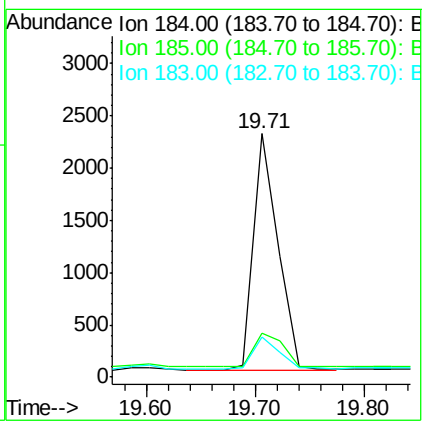


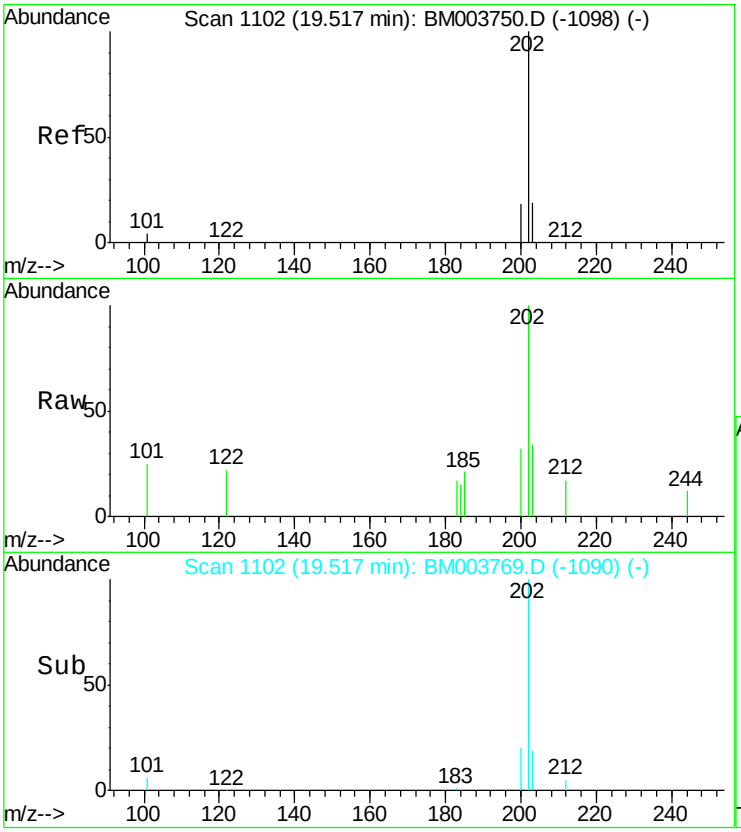




#27
Benzidine
Concen: 0.38 ng
RT: 19.71 min Scan# 1113
Delta R.T. 0.36 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

Tgt Ion:184 Resp: 3559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 18.0 | 13.2 | 19.8 |
| 183 | 16.7 | 9.0 | 13.6# |



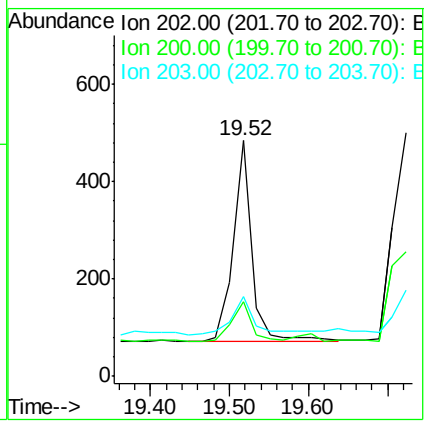


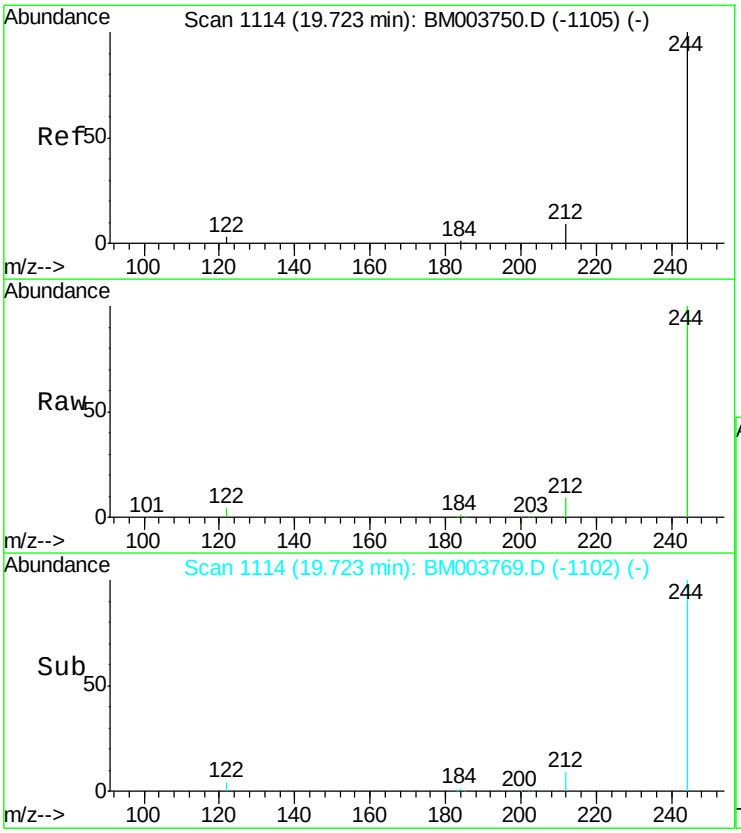

#28
Pyrene
Concen: Below Cal
RT: 19.52 min Scan# 1102
Delta R.T. 0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

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

Tgt Ion:202 Resp: 673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.4 | 16.6 | 24.8 |
| 203 | 21.8 | 14.0 | 21.0# |

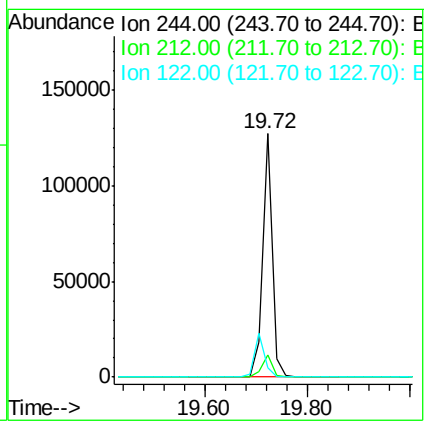


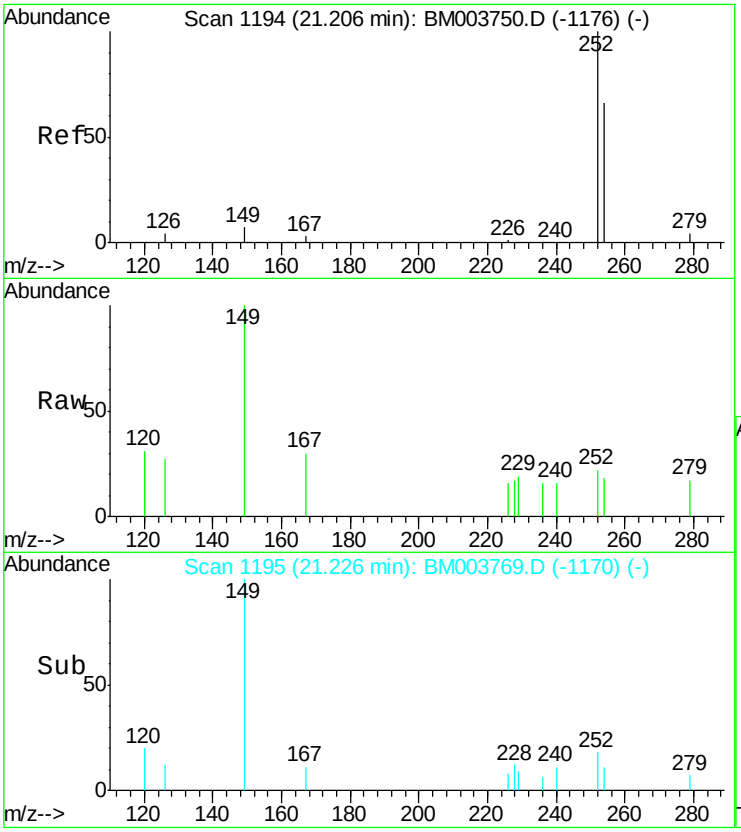




#29
Terphenyl-d14
Concen: 4.51 ng
RT: 19.72 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

Tgt Ion:244 Resp: 161658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.3 | 7.0 | 10.6 |
| 122 | 3.6 | 3.0 | 4.6 |



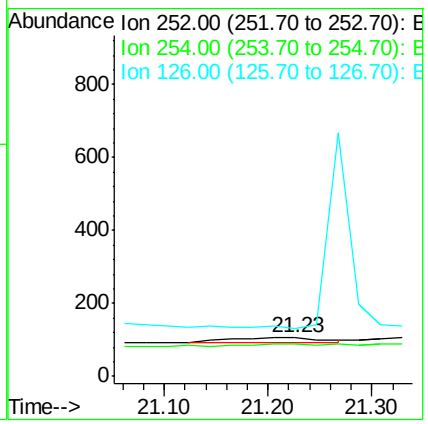


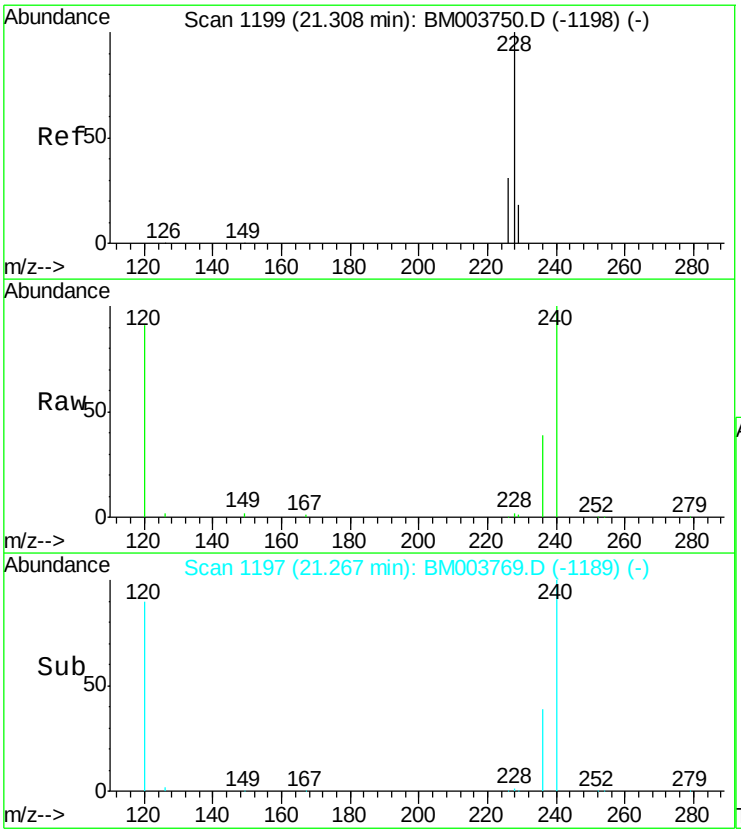

#31
3,3'-Dichlorobenzidine
Concen: 0.25 ng
RT: 21.23 min Scan# 1195
Delta R.T. 0.02 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

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

Tgt Ion:252 Resp: 78

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 254 | 83.0 | 52.6 | 79.0# |
| 126 | 122.6 | 3.7 | 5.5# |

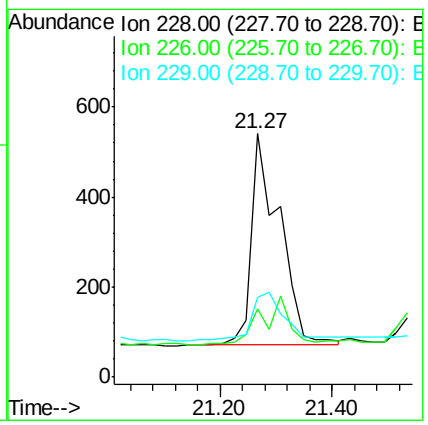


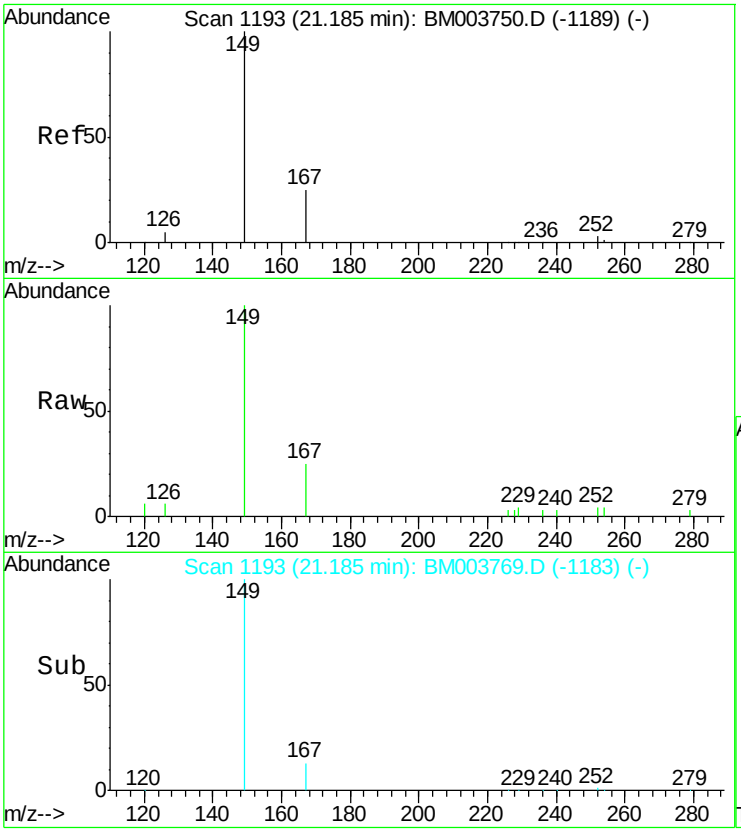




#32
Chrysene
Concen: Below Cal
RT: 21.27 min Scan# 1197
Delta R.T. -0.04 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

Tgt Ion:228 Resp: 1634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.3 | 25.3 | 37.9 |
| 229 | 32.9 | 14.5 | 21.7# |



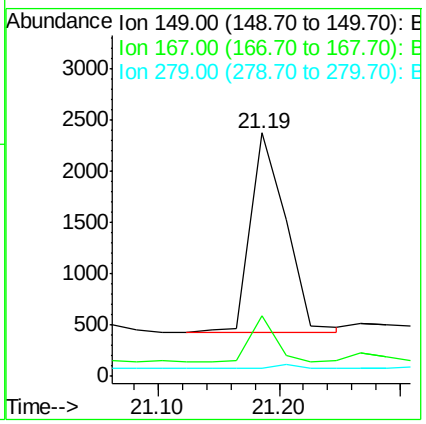


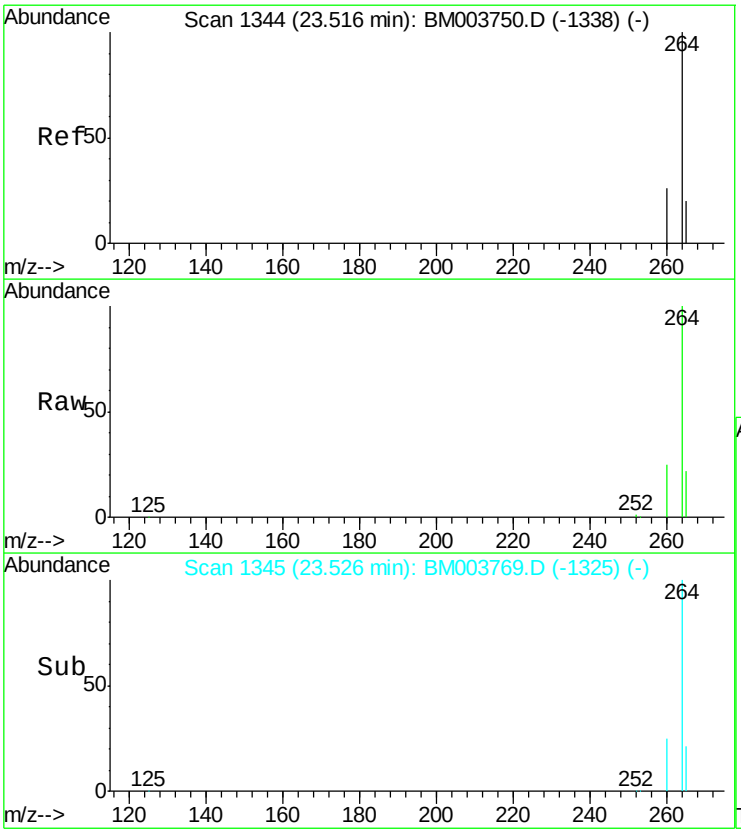

#33
Bis(2-ethylhexyl)phthalate
Concen: 0.27 ng
RT: 21.19 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

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

Tgt Ion:149 Resp: 3952

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 15.8 | 20.1 | 30.1# |
| 279 | 0.0 | 0.0 | 0.0 |




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.53 min Scan# 1345
Delta R.T. 0.01 min
Lab File: BM003769.D
Acq: 24 Dec 2015 08:20

Tgt Ion:264 Resp: 200170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.3 | 21.2 | 31.8 |
| 265 | 21.8 | 16.7 | 25.1 |