Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\
Data File : BM003776.D
Acq On : 24 Dec 2015 13:53
Operator : UM/SJ
Sample : G4934-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** MW-2-122115

Quant Time: Dec 24 17:19:11 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 | 64165 | 5.00 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.48 | 136 | 255937 | 5.00 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.33 | 164 | 134505 | 5.00 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 17.06 | 188 | 190797 | 5.00 | ng | | 0.00 |
| 26) Chrysene-d12 | 21.29 | 240 | 131573 | 5.00 | ng | | 0.00 |
| 35) Perylene-d12 | 23.52 | 264 | 117701 | 5.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.28 | 112 | 33282 | 2.20 | ng | | 0.02 |
| 5) Phenol-d6 | 6.87 | 99 | 24759 | 1.33 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.85 | 82 | 58268 | 4.30 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.84 | 330 | 15475 | 3.74 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 12.95 | 172 | 172925 | 4.20 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.72 | 244 | 107598 | 5.18 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Naphthalene | 10.53 | 128 | 6247418 | 106.91 | ng | | 96 |
| 12) 2-Methylnaphthalene | 12.14 | 142 | 1935549 | 49.59 | ng | | 98 |
| 17) Acenaphthene | 14.39 | 154 | 7986 | 0.23 | ng | # | 89 |
| 18) Fluorene | 15.39 | 166 | 7477 | 0.15 | ng | # | 90 |
| 22) Pentachlorophenol | 16.73 | 266 | 379 | 0.46 | ng | # | 83 |
| 25) Fluoranthene | 19.14 | 202 | 1296 | 0.12 | ng | # | 92 |
| 33) Bis(2-ethylhexyl)phthalate | 21.19 | 149 | 3339 | 0.30 | ng | # | 96 |

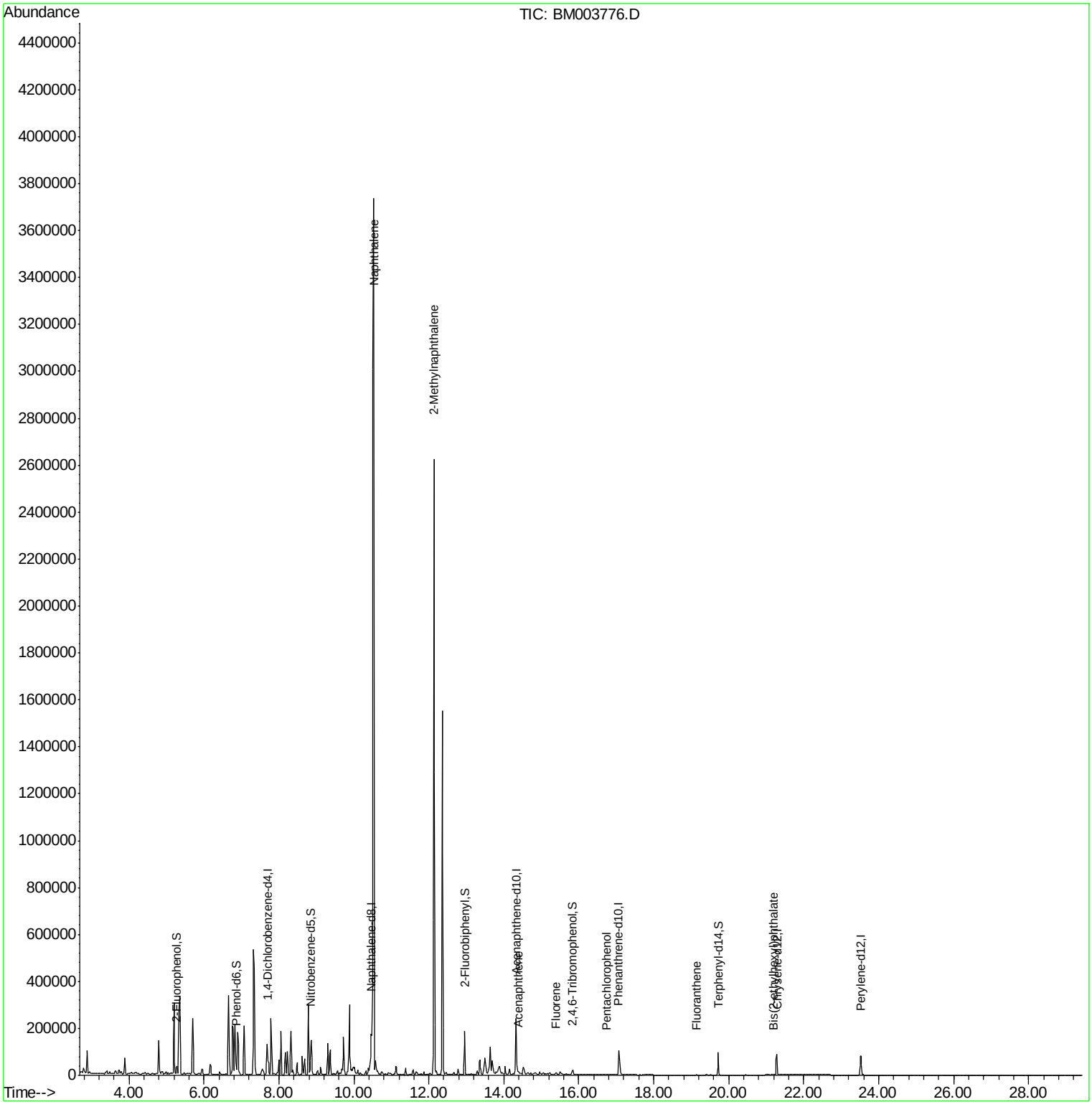
(#) = qualifier out of range (m) = manual integration (+) = signals summed

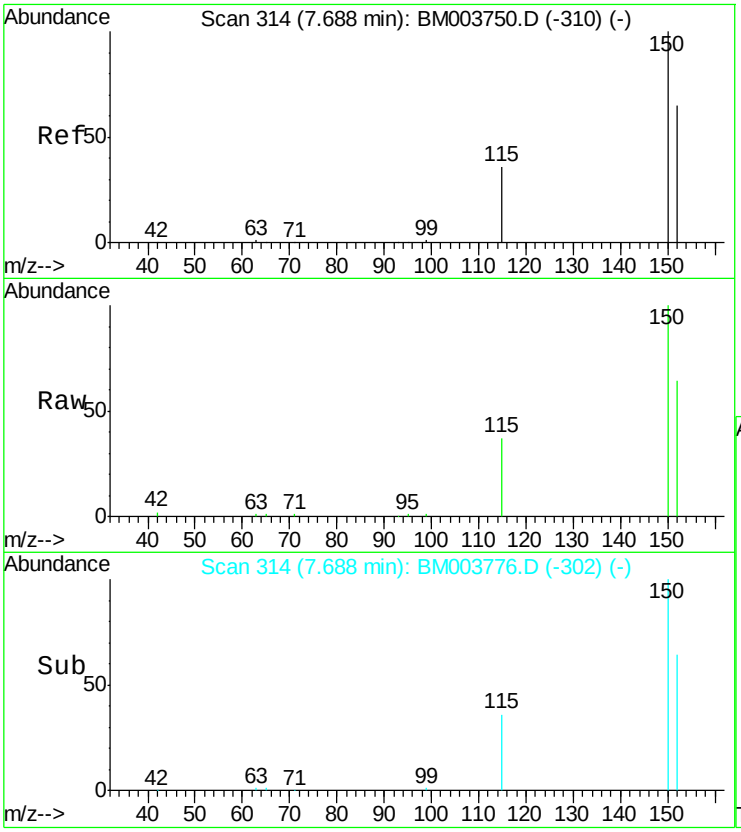
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\
Data File : BM003776.D
Acq On : 24 Dec 2015 13:53
Operator : UM/SJ
Sample : G4934-02
Misc :
ALS Vial : 28 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
MW-2-122115

Quant Time: Dec 24 17:19:11 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



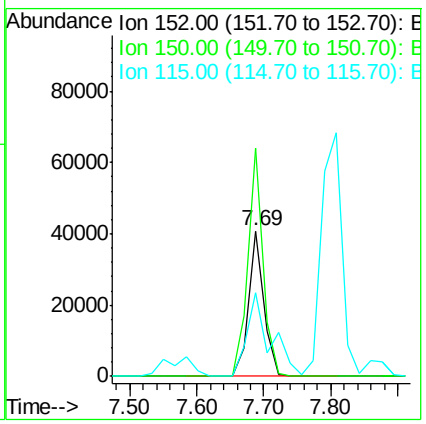


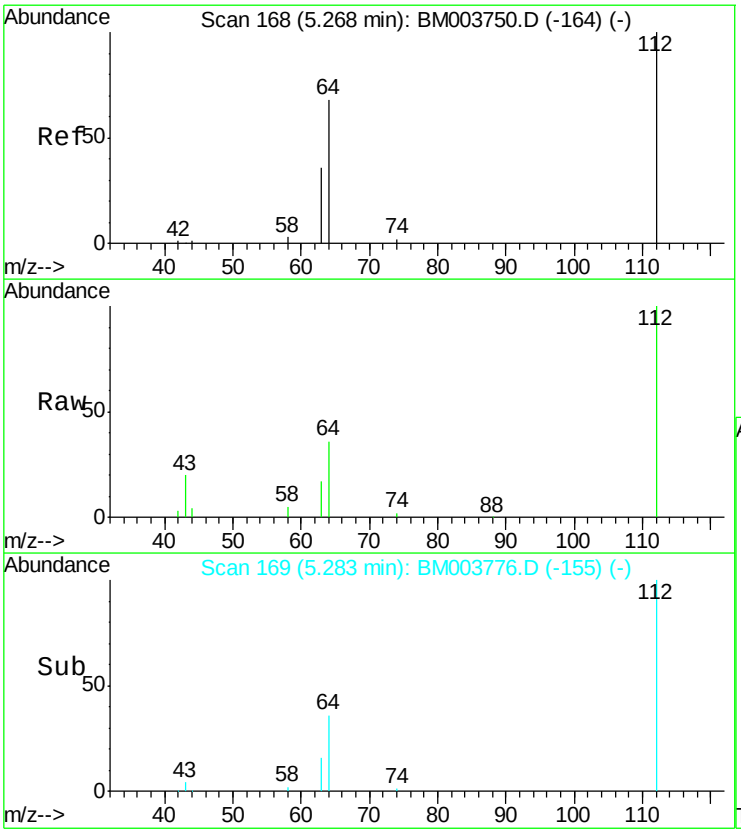

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.69 min Scan# 314
Delta R.T. -0.00 min
Lab File: BM003776.D
Acq: 24 Dec 2015 13:53

**Instrument :**
BNA_M
**ClientSampleId :**
MW-2-122115

Tgt Ion:152 Resp: 64165

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.6 | 122.9 | 184.3 |
| 115 | 57.4 | 44.4 | 66.6 |

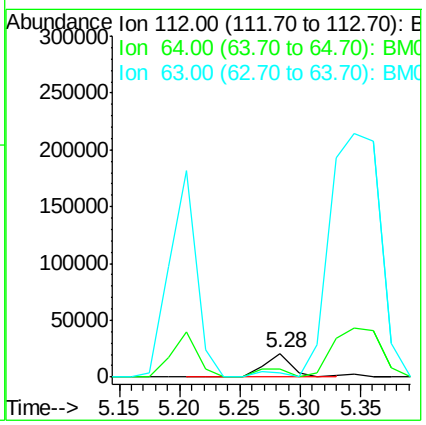


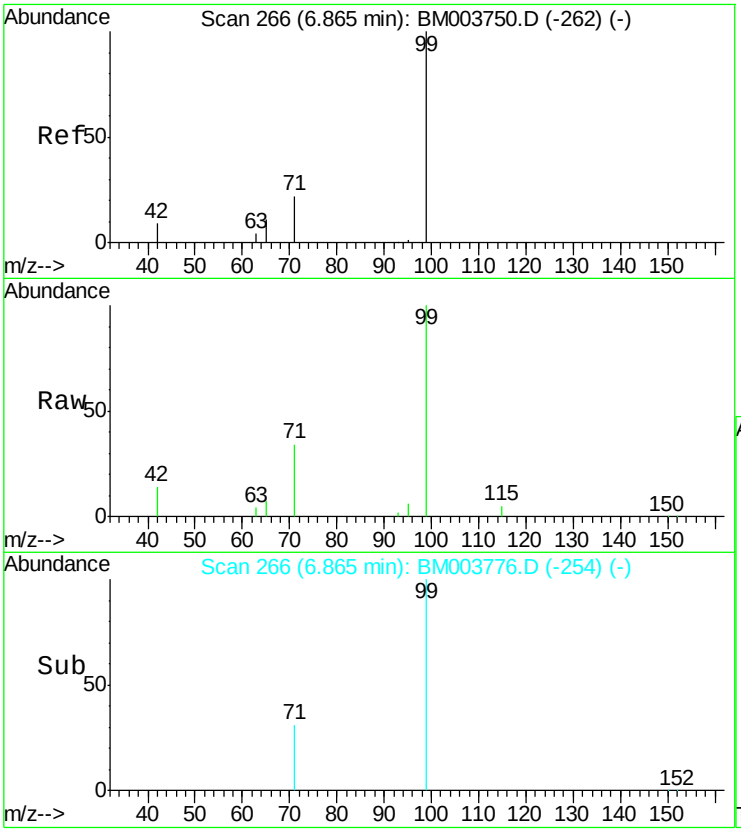




#4
2-Fluorophenol
Concen: 2.20 ng
RT: 5.28 min Scan# 169
Delta R.T. 0.02 min
Lab File: BM003776.D
Acq: 24 Dec 2015 13:53

Tgt Ion:112 Resp: 33282

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 44.7 | 41.8 | 62.8 |
| 63 | 0.0 | 22.1 | 33.1# |



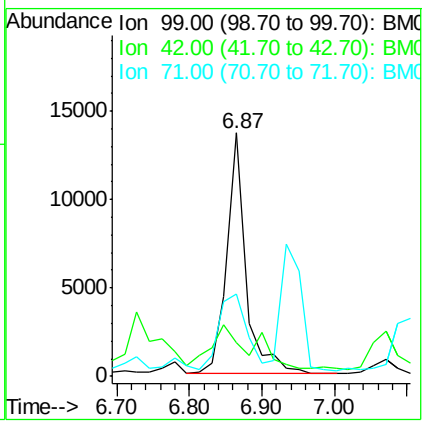


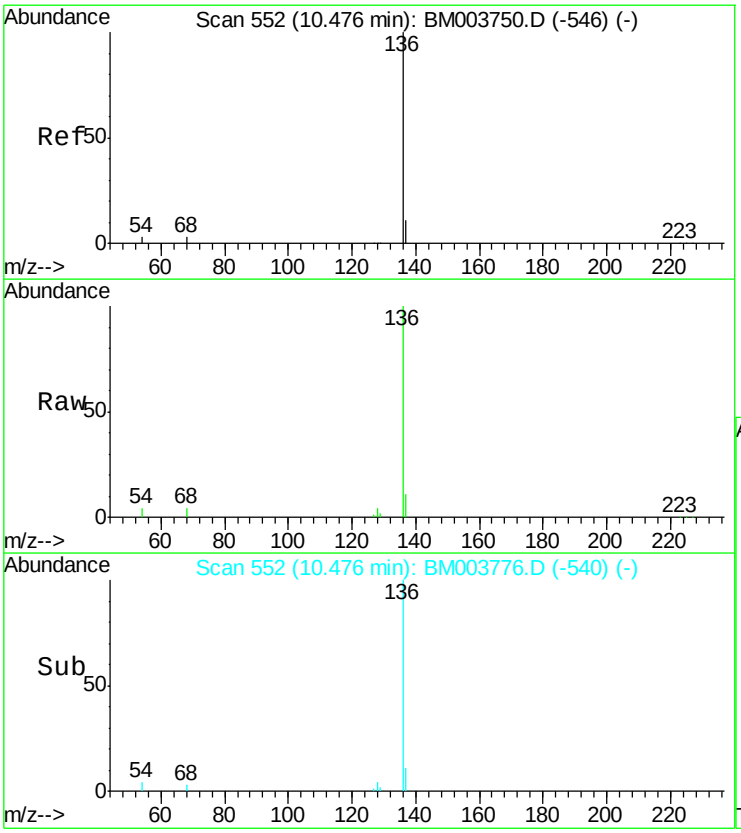

#5
Phenol-d6
Concen: 1.33 ng
RT: 6.87 min Scan# 266
Delta R.T. -0.00 min
Lab File: BM003776.D
Acq: 24 Dec 2015 13:53

**Instrument :**
BNA_M
**ClientSampleId :**
MW-2-122115

Tgt Ion: 99 Resp: 24759

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 24.1 | 16.2 | 24.2 |
| 71 | 46.2 | 24.4 | 36.6# |

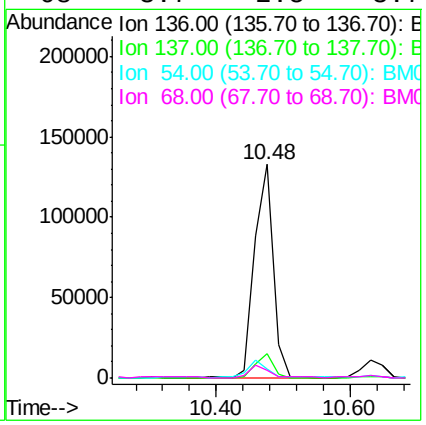


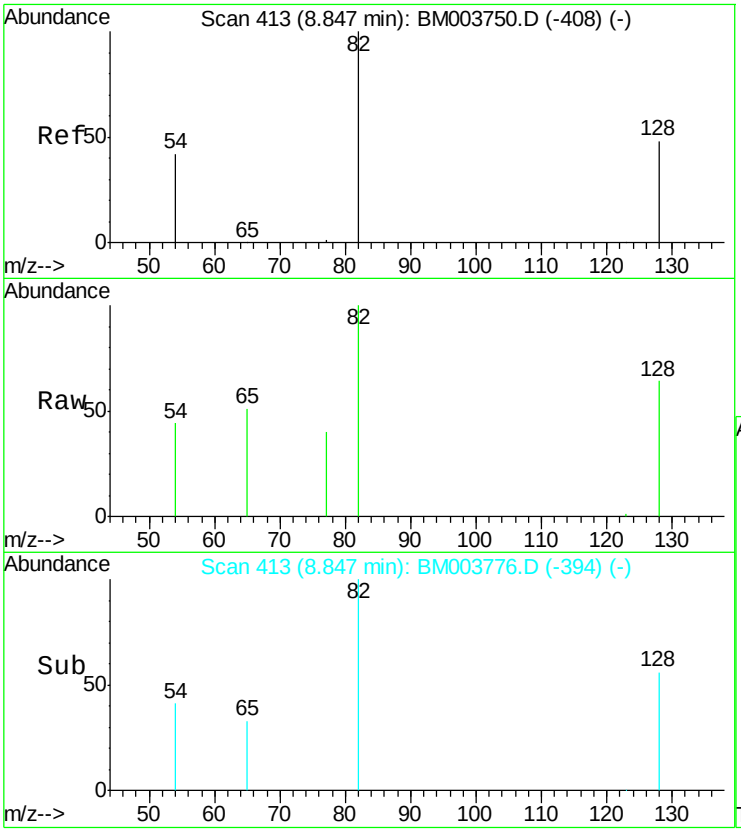




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.48 min Scan# 552
Delta R.T. -0.00 min
Lab File: BM003776.D
Acq: 24 Dec 2015 13:53

Tgt Ion:136 Resp: 255937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 9.2 | 13.8 |
| 54 | 4.2 | 2.8 | 4.2 |
| 68 | 3.7 | 2.5 | 3.7 |



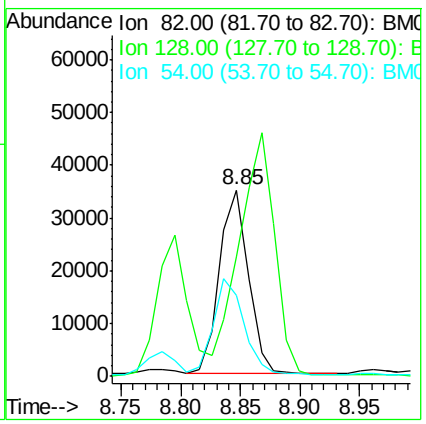


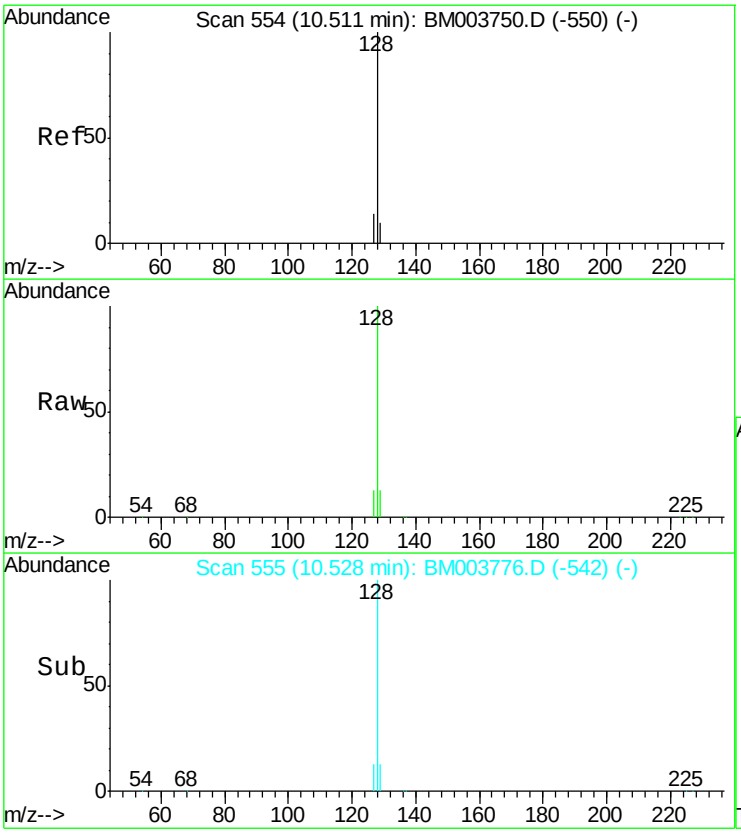

#8
Nitrobenzene-d5
Concen: 4.30 ng
RT: 8.85 min Scan# 413
Delta R.T. -0.00 min
Lab File: BM003776.D
Acq: 24 Dec 2015 13:53

**Instrument :**
BNA_M
**ClientSampleId :**
MW-2-122115

Tgt Ion: 82 Resp: 58268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 63.9 | 39.1 | 58.7# |
| 54 | 43.7 | 34.8 | 52.2 |

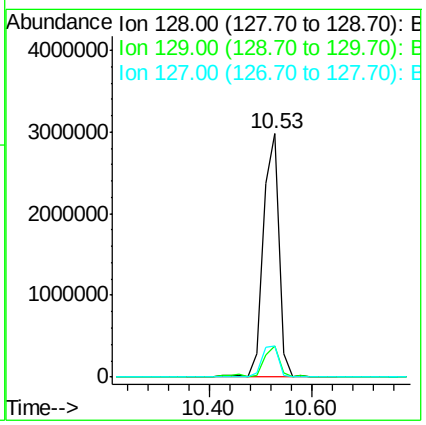


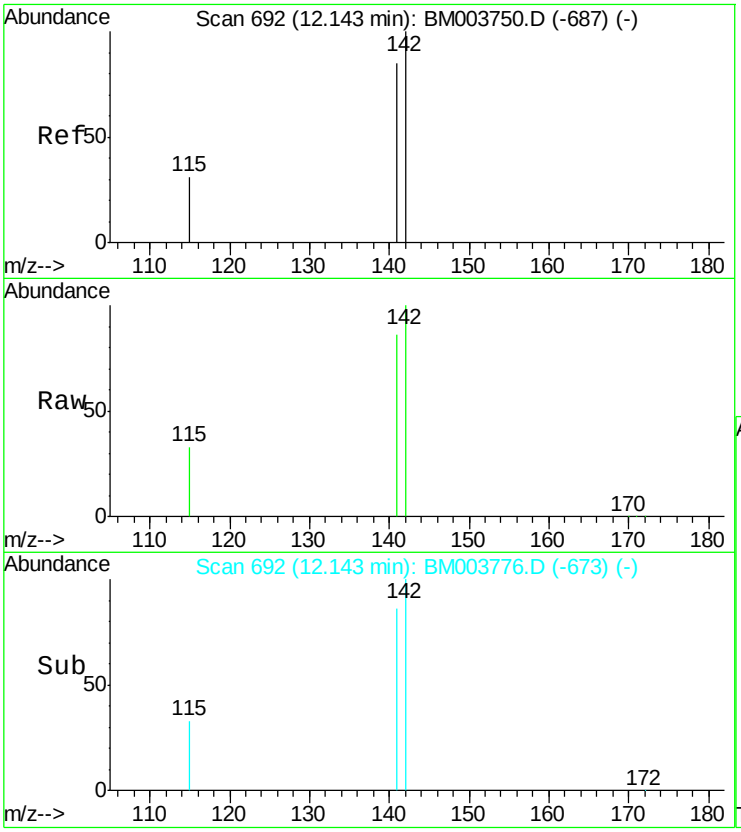




#10
Naphthalene
Concen: 106.91 ng
RT: 10.53 min Scan# 555
Delta R.T. 0.02 min
Lab File: BM003776.D
Acq: 24 Dec 2015 13:53

Tgt Ion:128 Resp: 6247418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.7 | 8.5 | 12.7 |
| 127 | 12.6 | 11.0 | 16.4 |



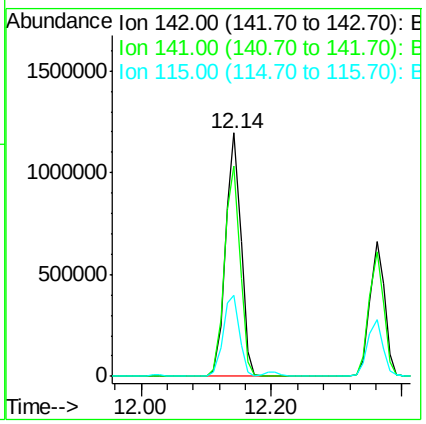


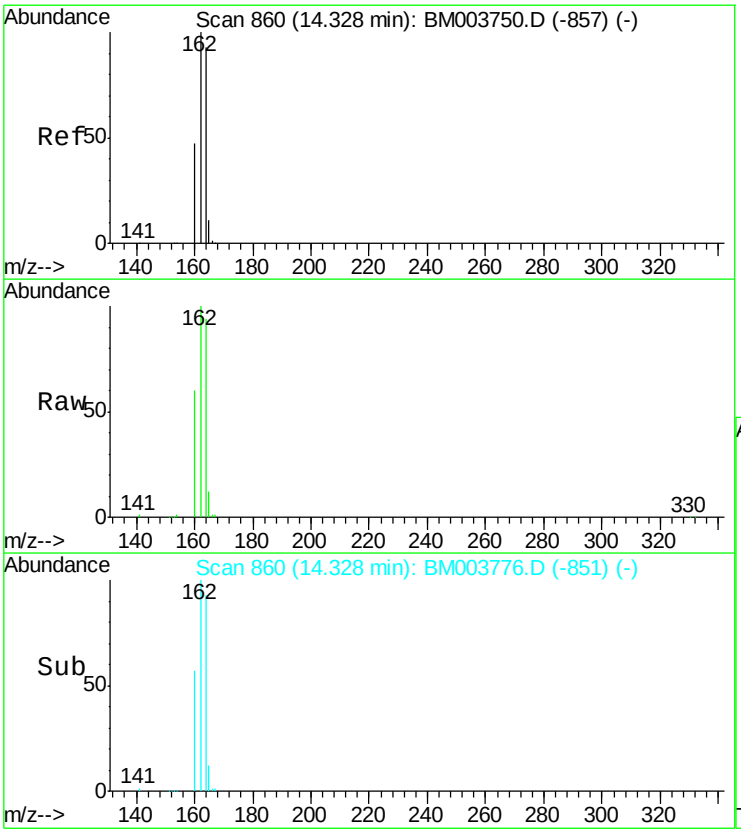

#12
2-Methylnaphthalene
Concen: 49.59 ng
RT: 12.14 min Scan# 692
Delta R.T. -0.00 min
Lab File: BM003776.D
Acq: 24 Dec 2015 13:53

**Instrument :**
BNA_M
**ClientSampleId :**
MW-2-122115

Tgt Ion:142 Resp: 1935549

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.1 | 67.8 | 101.8 |
| 115 | 33.3 | 25.3 | 37.9 |

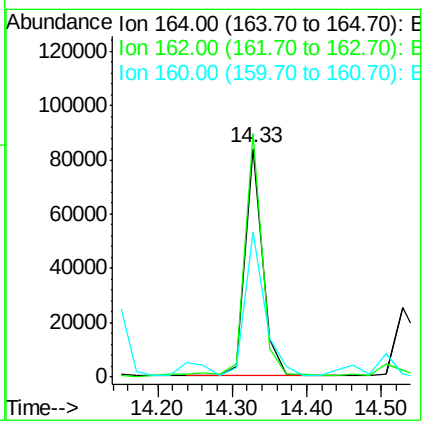


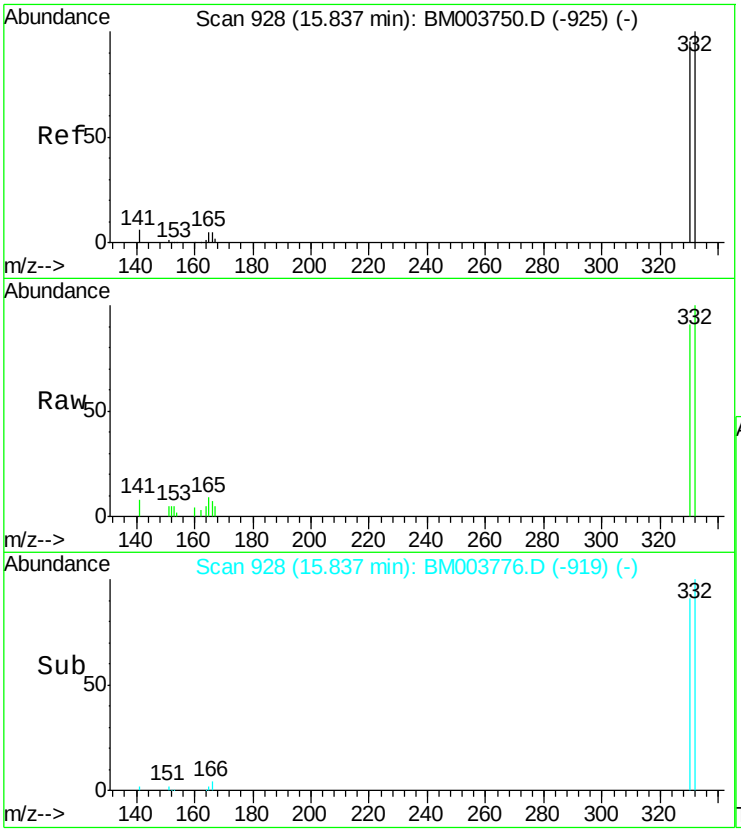




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.33 min Scan# 860
Delta R.T. -0.00 min
Lab File: BM003776.D
Acq: 24 Dec 2015 13:53

Tgt Ion:164 Resp: 134505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.6 | 86.0 | 129.0 |
| 160 | 63.7 | 40.3 | 60.5# |



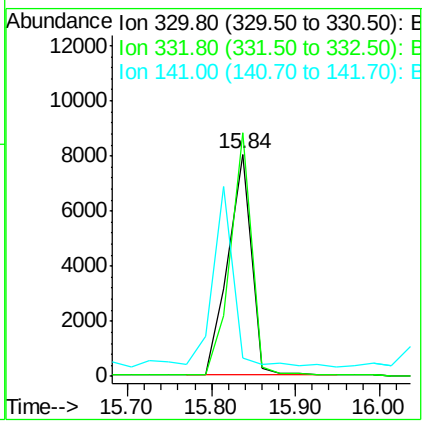


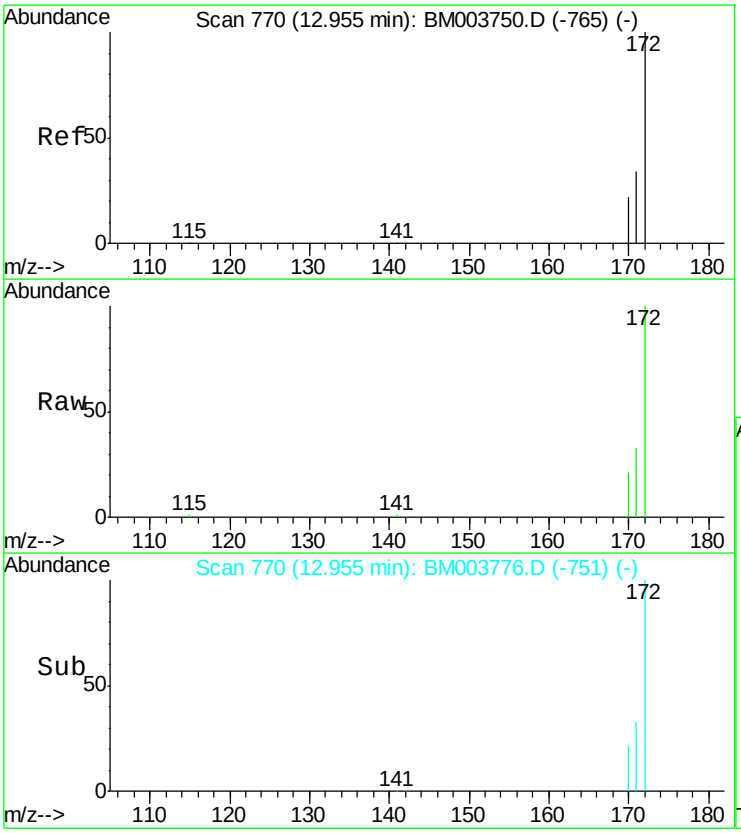

#14
2,4,6-Tribromophenol
Concen: 3.74 ng
RT: 15.84 min Scan# 928
Delta R.T. 0.00 min
Lab File: BM003776.D
Acq: 24 Dec 2015 13:53

**Instrument :**
BNA_M
**ClientSampleId :**
MW-2-122115

Tgt Ion:330 Resp: 15475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.6 | 79.0 | 118.4 |
| 141 | 0.0 | 0.0 | 0.0 |

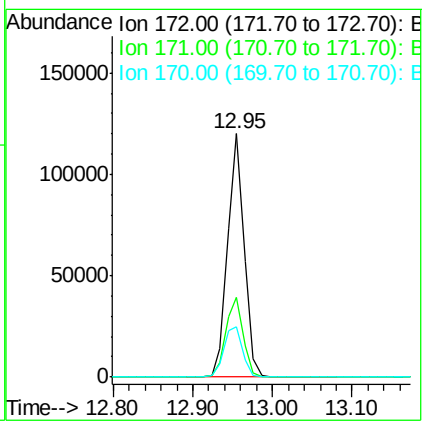


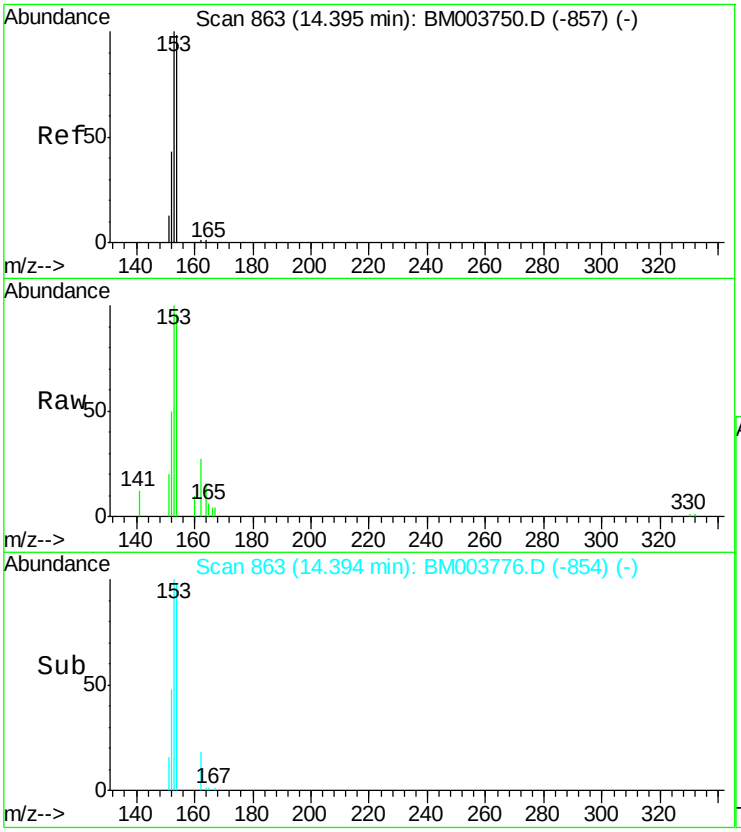




#15
2-Fluorobiphenyl
Concen: 4.20 ng
RT: 12.95 min Scan# 770
Delta R.T. -0.00 min
Lab File: BM003776.D
Acq: 24 Dec 2015 13:53

Tgt Ion:172 Resp: 172925

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 32.7 | 27.0 | 40.6 |
| 170 | 20.7 | 17.9 | 26.9 |



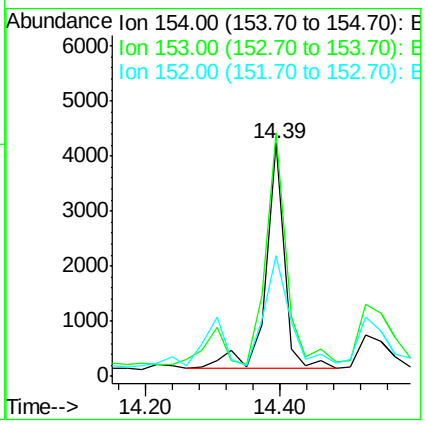


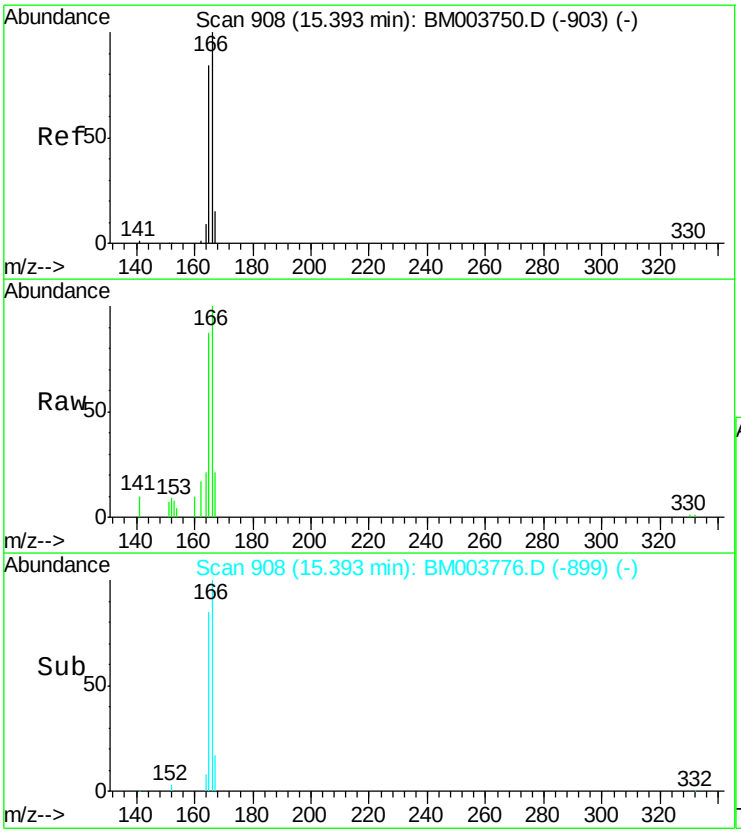

#17
Acenaphthene
Concen: 0.23 ng
RT: 14.39 min Scan# 863
Delta R.T. 0.00 min
Lab File: BM003776.D
Acq: 24 Dec 2015 13:53

**Instrument :**
BNA_M
**ClientSampleId :**
MW-2-122115

Tgt Ion:154 Resp: 7986

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 112.2 | 85.4 | 128.2 |
| 152 | 67.3 | 40.6 | 60.8# |

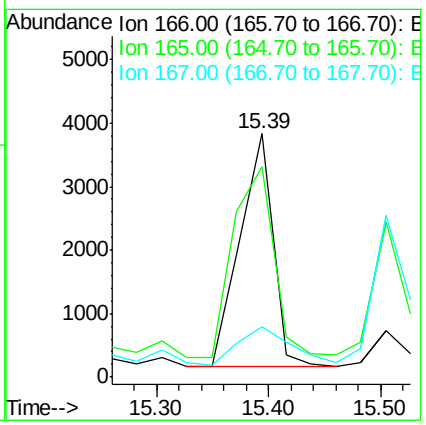


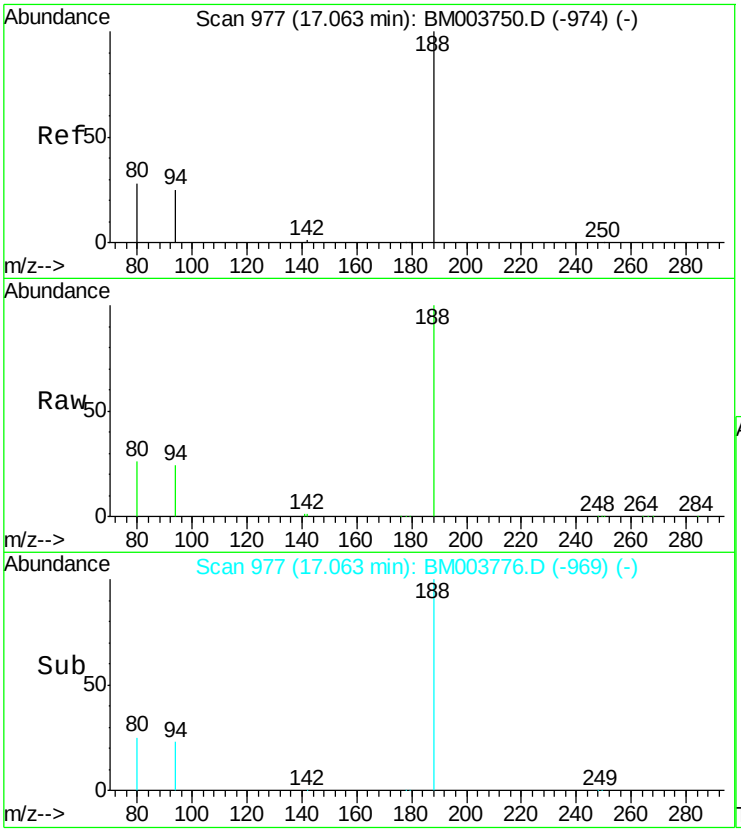




#18
Fluorene
Concen: 0.15 ng
RT: 15.39 min Scan# 908
Delta R.T. 0.00 min
Lab File: BM003776.D
Acq: 24 Dec 2015 13:53

Tgt Ion:166 Resp: 7477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 103.1 | 77.2 | 115.8 |
| 167 | 27.2 | 11.0 | 16.6# |



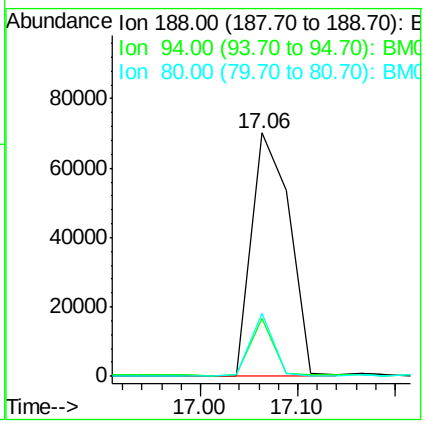


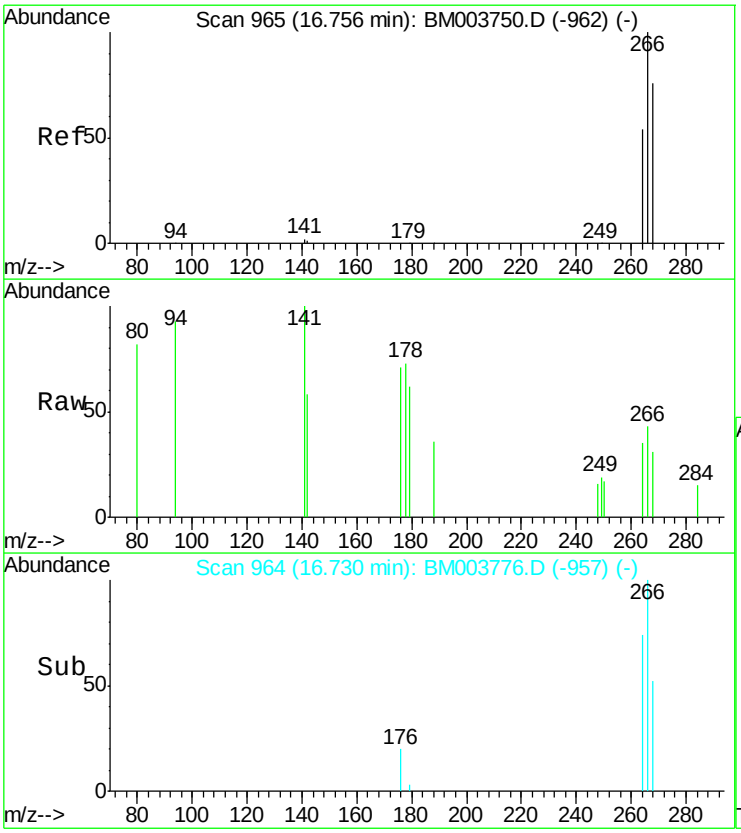

#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.06 min Scan# 977
Delta R.T. -0.00 min
Lab File: BM003776.D
Acq: 24 Dec 2015 13:53

**Instrument :**
BNA_M
**ClientSampleId :**
MW-2-122115

Tgt Ion:188 Resp: 190797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 23.6 | 20.3 | 30.5 |
| 80 | 25.7 | 22.2 | 33.4 |

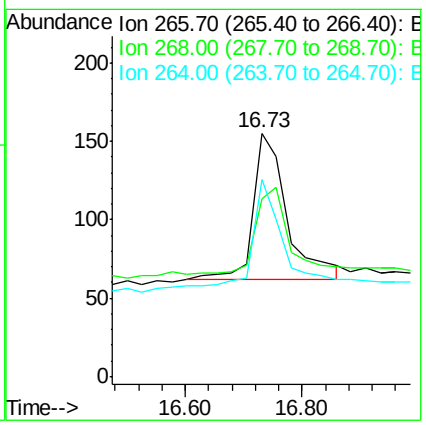


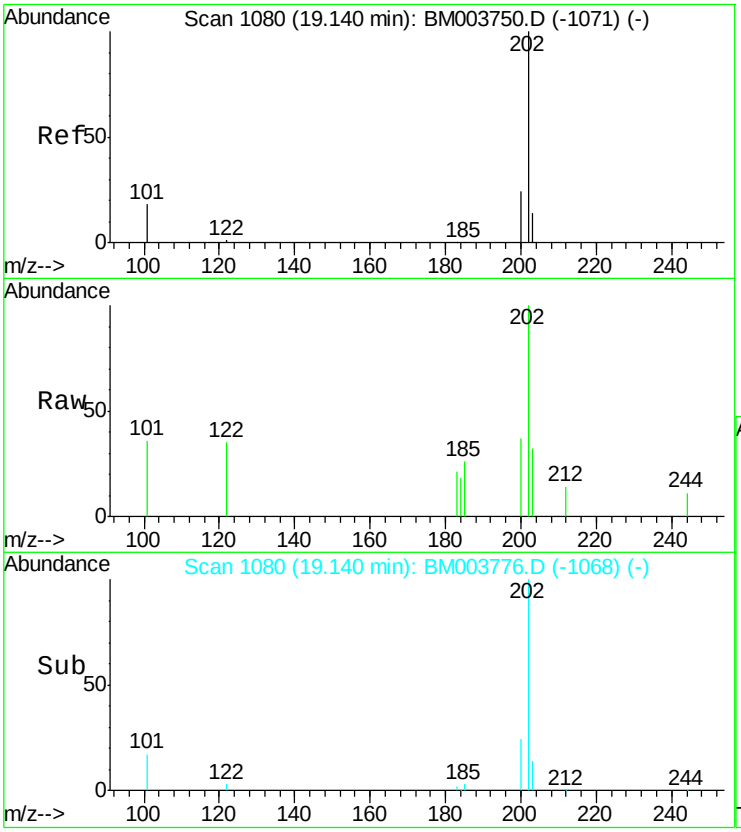




#22
Pentachlorophenol
Concen: 0.46 ng
RT: 16.73 min Scan# 964
Delta R.T. -0.02 min
Lab File: BM003776.D
Acq: 24 Dec 2015 13:53

Tgt Ion:266 Resp: 379

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 72.9 | 62.7 | 94.1 |
| 264 | 81.3 | 45.7 | 68.5# |



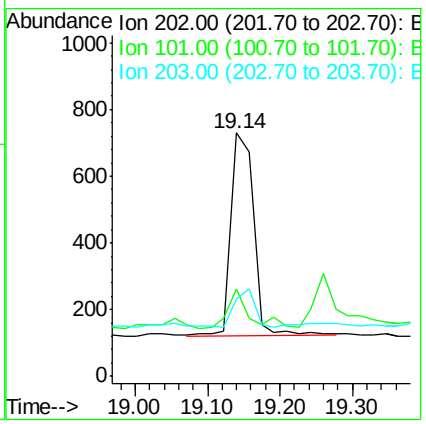


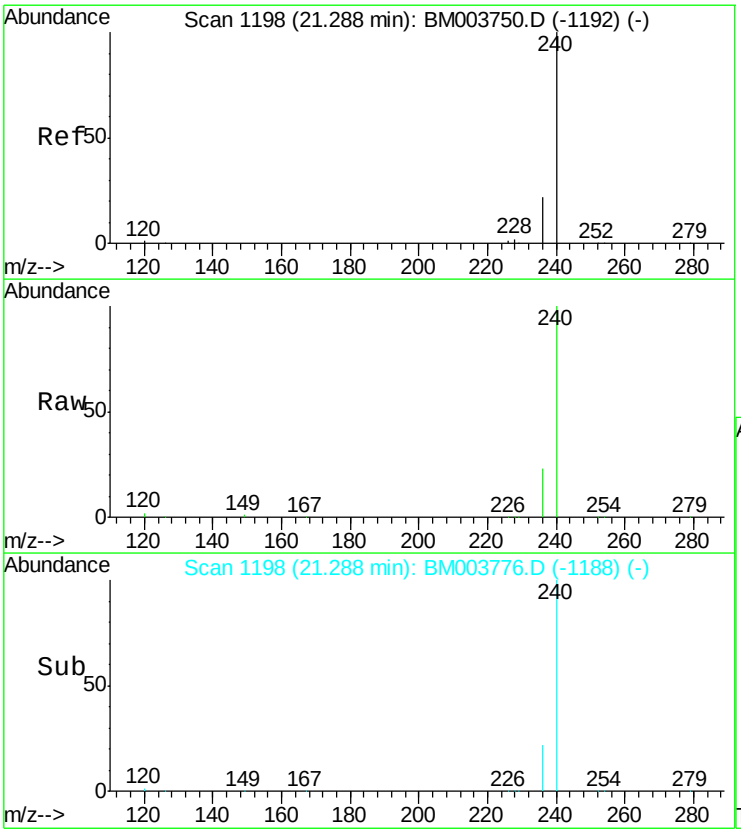

#25
Fluoranthene
Concen: 0.12 ng
RT: 19.14 min Scan# 1080
Delta R.T. 0.00 min
Lab File: BM003776.D
Acq: 24 Dec 2015 13:53

**Instrument :**
BNA_M
**ClientSampleId :**
MW-2-122115

Tgt Ion:202 Resp: 1296

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 18.4 | 9.7 | 14.5# |
| 203 | 16.2 | 13.8 | 20.8 |

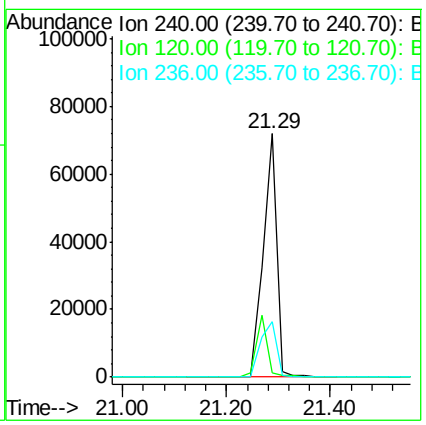


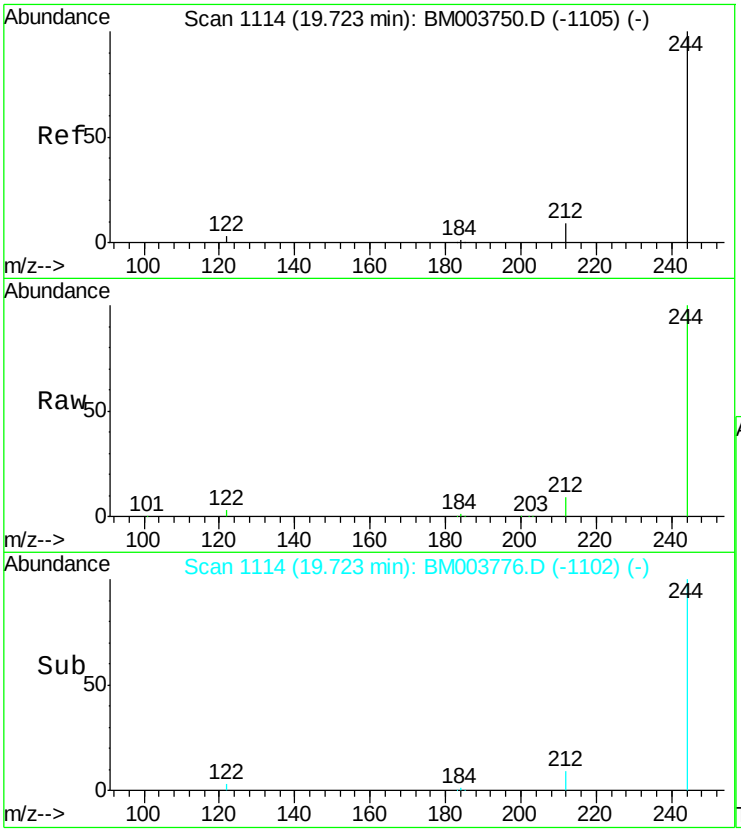




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.29 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BM003776.D
Acq: 24 Dec 2015 13:53

Tgt Ion:240 Resp: 131573

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 1.6 | 0.9 | 1.3# |
| 236 | 22.6 | 17.3 | 25.9 |



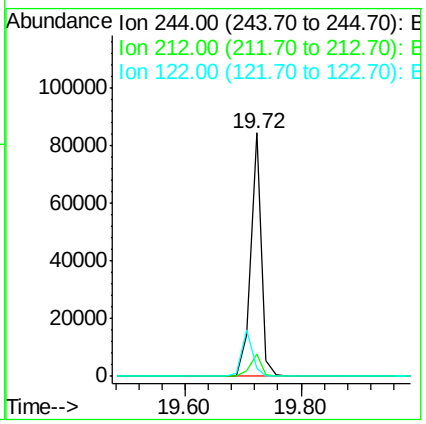


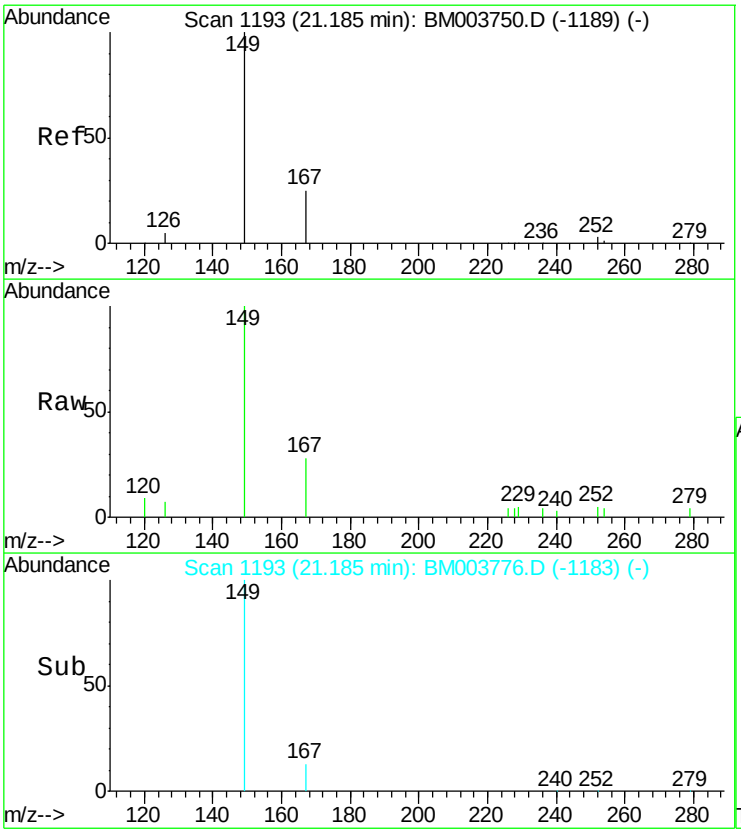

#29
Terphenyl-d14
Concen: 5.18 ng
RT: 19.72 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BM003776.D
Acq: 24 Dec 2015 13:53

**Instrument :**
BNA_M
**ClientSampleId :**
MW-2-122115

Tgt Ion:244 Resp: 107598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.0 | 7.0 | 10.6 |
| 122 | 3.2 | 3.0 | 4.6 |

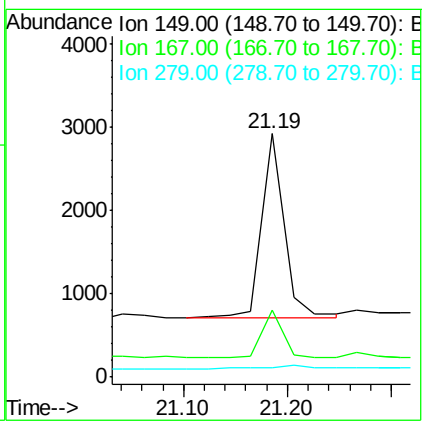


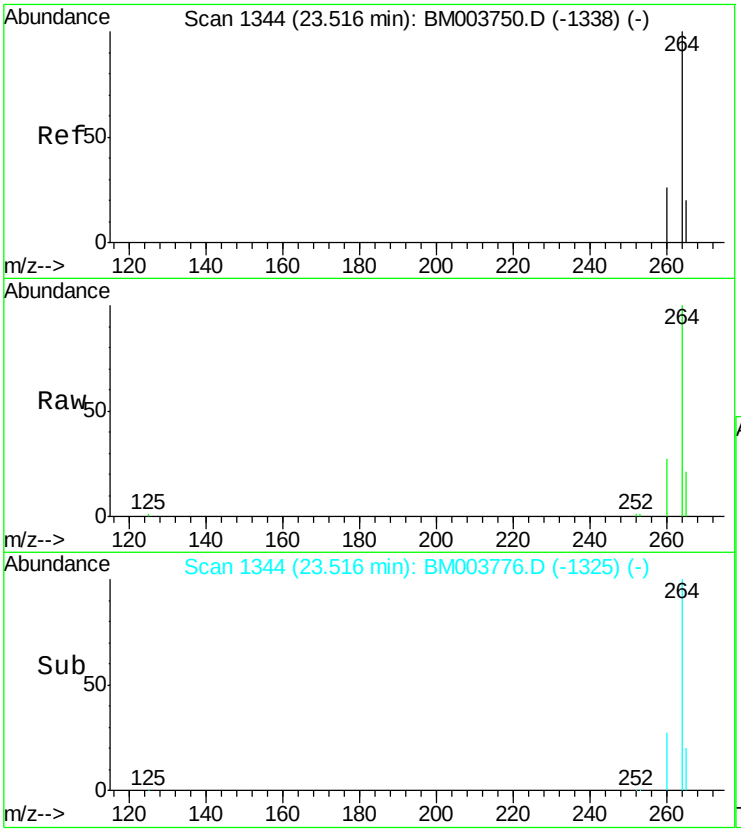




#33
Bis(2-ethylhexyl)phthalate
Concen: 0.30 ng
RT: 21.19 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BM003776.D
Acq: 24 Dec 2015 13:53

Tgt Ion:149 Resp: 3339

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 23.0 | 20.1 | 30.1 |
| 279 | 0.0 | 0.0 | 0.0 |






#35
Perylene-d12
Concen: 5.00 ng
RT: 23.52 min Scan# 1344
Delta R.T. -0.00 min
Lab File: BM003776.D
Acq: 24 Dec 2015 13:53

**Instrument :**
BNA_M
**ClientSampleId :**
MW-2-122115

Tgt Ion:264 Resp: 117701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 26.7 | 21.2 | 31.8 |
| 265 | 21.2 | 16.7 | 25.1 |