Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072117\
Data File : BM010957.D
Acq On : 22 Jul 2017 03:59
Operator : SJ/JU
Sample : PB100830TB
Misc :
ALS Vial : 21 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PB100830TB

Quant Time: Jul 22 05:03:57 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM071217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 12 14:21:16 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.42 | 152 | 240146 | 20.00 | ng | -0.03 |
| 21) Naphthalene-d8 | 10.18 | 136 | 877277 | 20.00 | ng | -0.03 |
| 38) Acenaphthene-d10 | 14.07 | 164 | 579077 | 20.00 | ng | -0.02 |
| 63) Phenanthrene-d10 | 16.83 | 188 | 1410847 | 20.00 | ng | -0.02 |
| 75) Chrysene-d12 | 21.05 | 240 | 1129580 | 20.00 | ng | -0.02 |
| 86) Perylene-d12 | 23.17 | 264 | 453142 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.06 | 112 | 2034328 | 140.32 | ng | -0.02 |
| 7) Phenol-d6 | 6.62 | 99 | 2686373 | 134.41 | ng | -0.02 |
| 23) Nitrobenzene-d5 | 8.57 | 82 | 2116989 | 92.76 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 15.58 | 330 | 1307642 | 147.77 | ng | -0.02 |
| 44) 2-Fluorobiphenyl | 12.69 | 172 | 4300086 | 92.38 | ng | -0.02 |
| 78) Terphenyl-d14 | 19.49 | 244 | 5834581 | 99.90 | ng | -0.02 |

| Target Compounds | Qvalue |
|---|---|

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

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**Instrument :**
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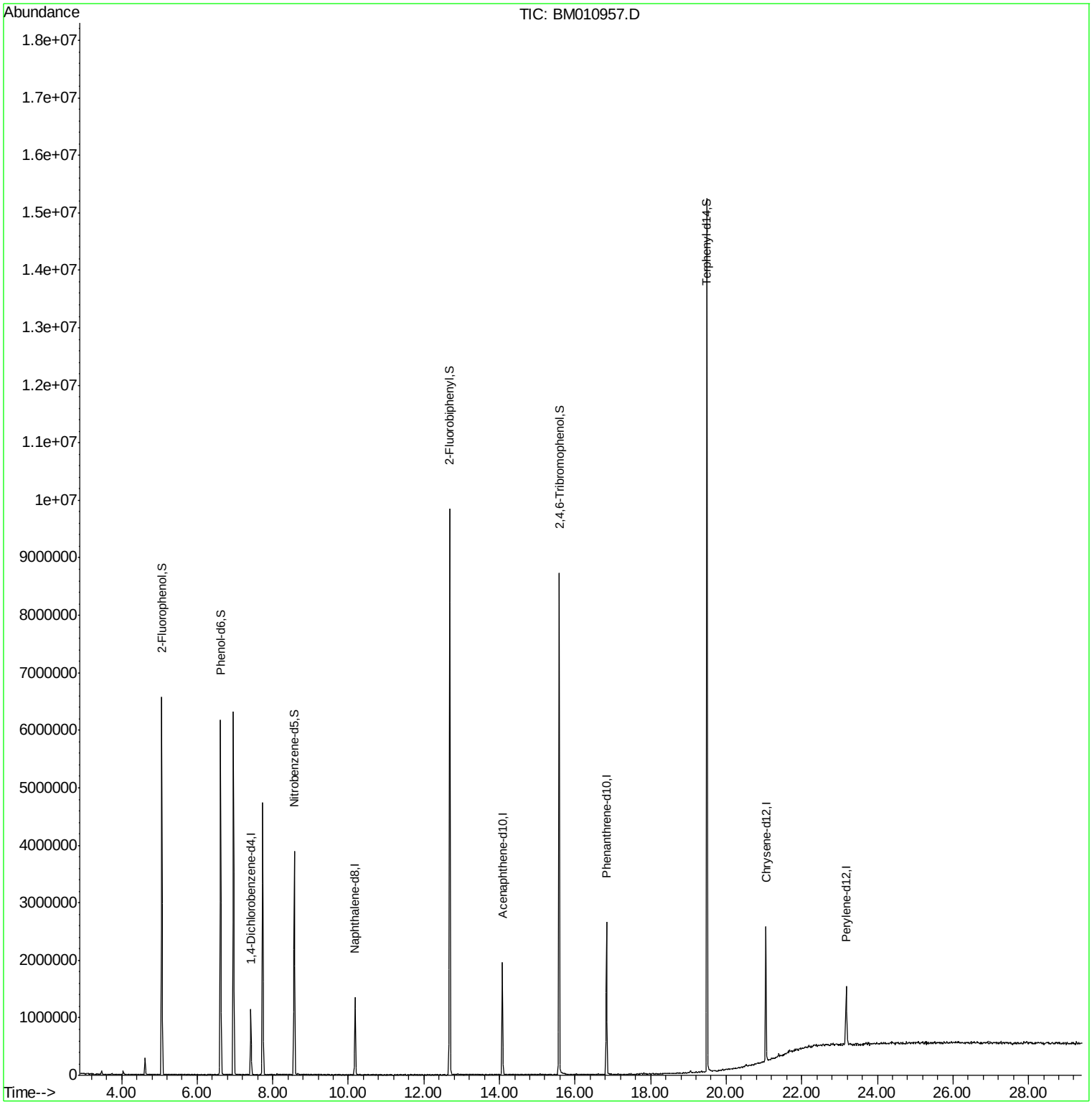
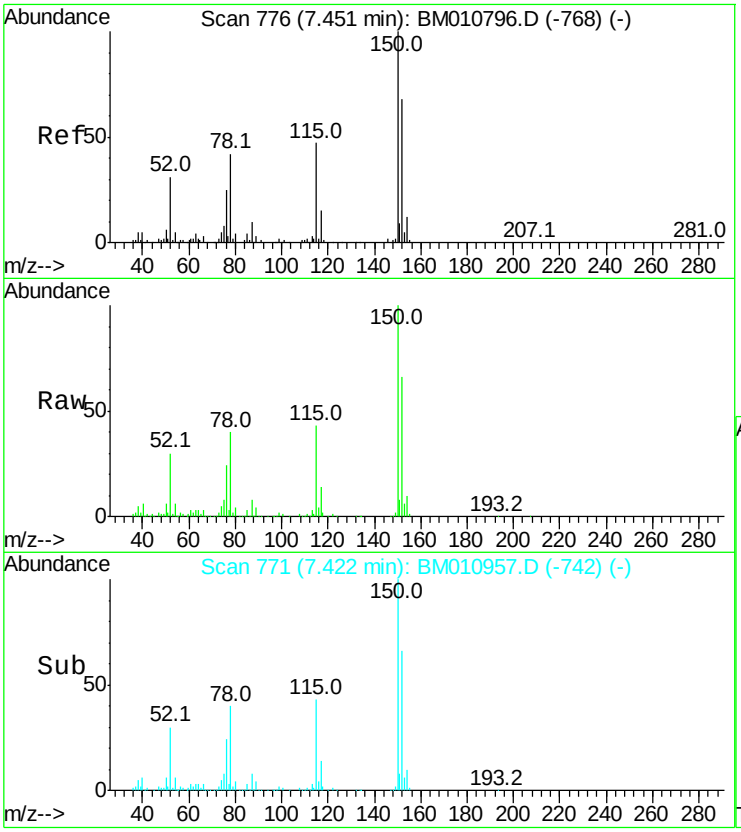


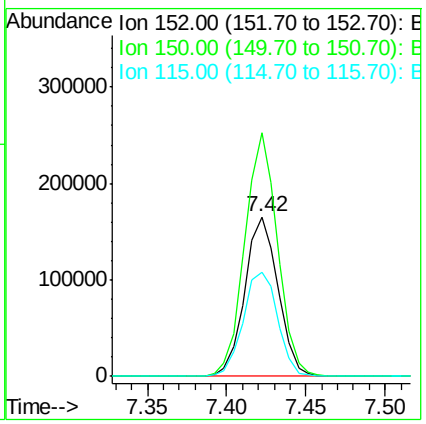


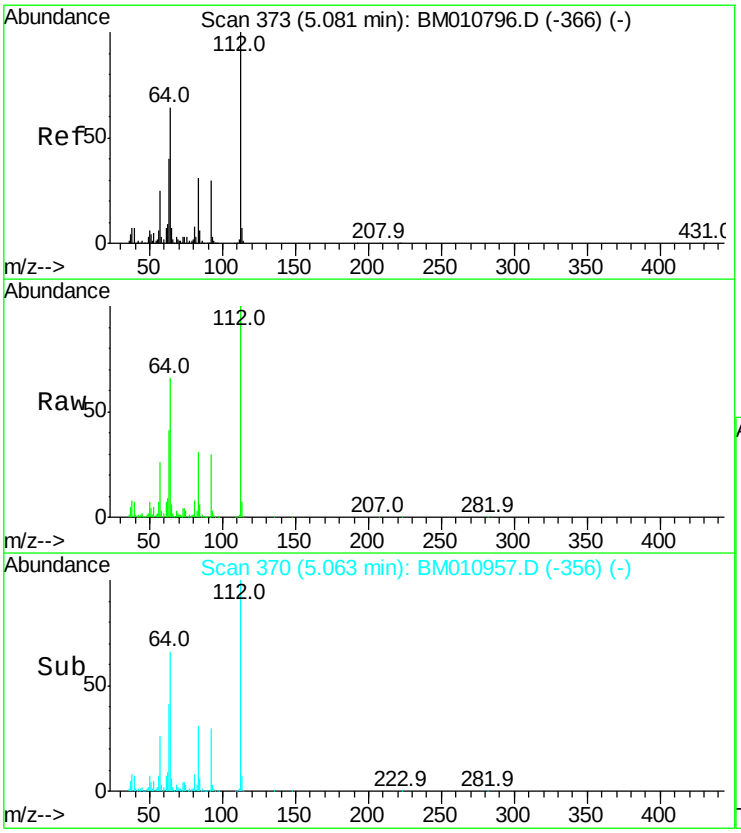

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.42 min Scan# 771
Delta R.T. -0.03 min
Lab File: BM010957.D
Acq: 22 Jul 2017 03:59

**Instrument :**
BNA_M
**ClientSampleId :**
PB100830TB

Tgt Ion:152 Resp: 240146

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.6 | 119.5 | 179.3 |
| 115 | 65.4 | 43.0 | 64.4# |

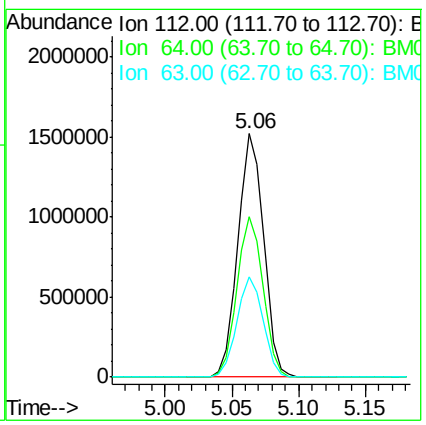


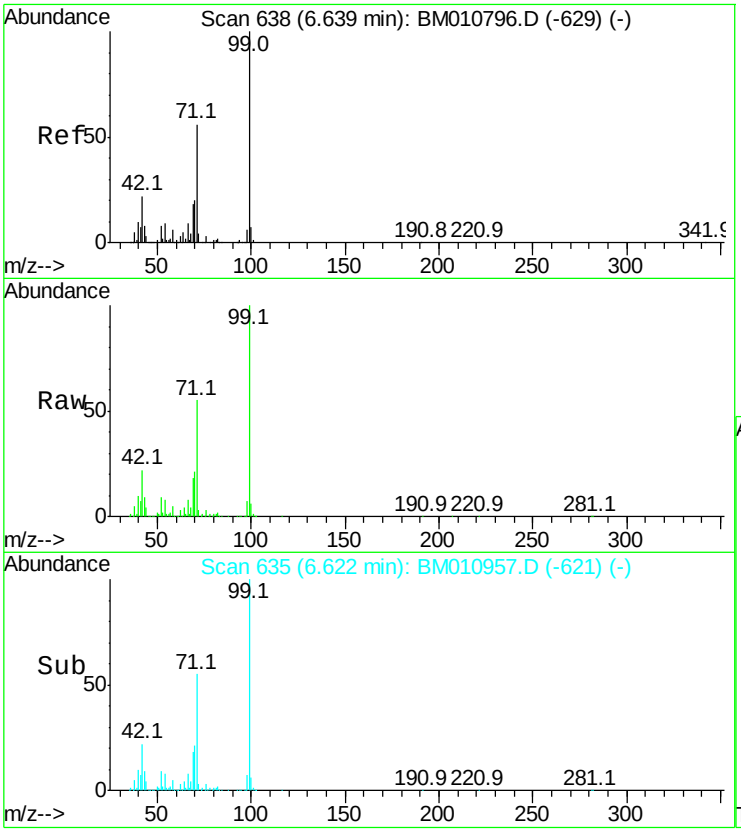




#5
2-Fluorophenol
Concen: 140.325 ng
RT: 5.06 min Scan# 370
Delta R.T. -0.02 min
Lab File: BM010957.D
Acq: 22 Jul 2017 03:59

Tgt Ion:112 Resp: 2034328

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.7 | 38.6 | 57.8# |
| 63 | 41.2 | 19.3 | 28.9# |



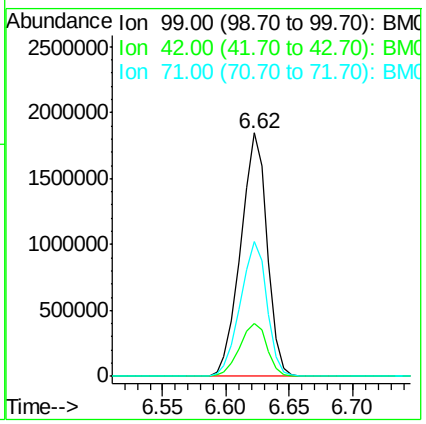


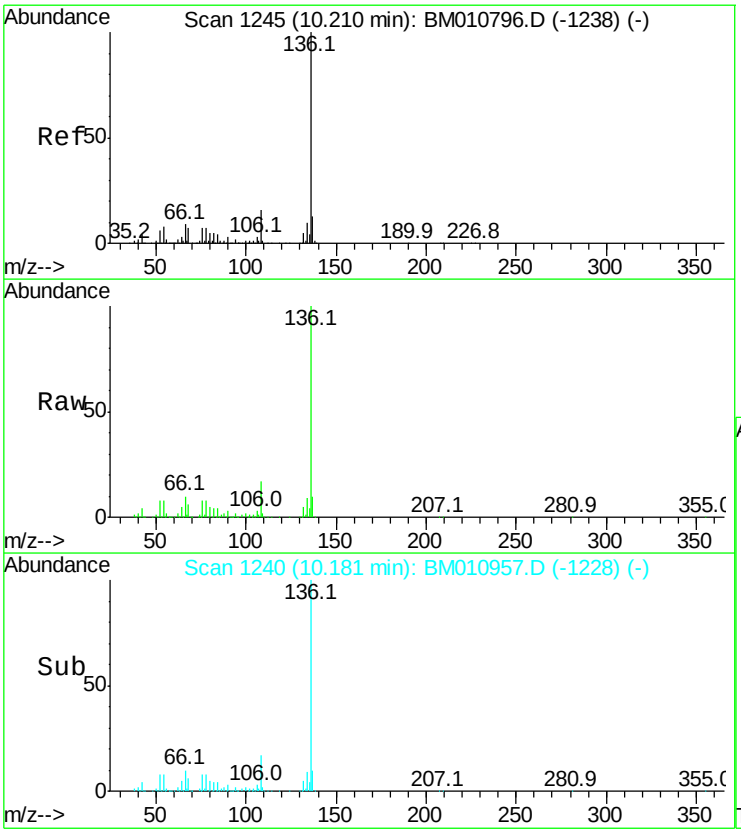

#7
Phenol-d6
Concen: 134.414 ng
RT: 6.62 min Scan# 635
Delta R.T. -0.02 min
Lab File: BM010957.D
Acq: 22 Jul 2017 03:59

**Instrument :**
BNA_M
**ClientSampleId :**
PB100830TB

Tgt Ion: 99 Resp: 2686373

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.0 | 11.0 | 16.4# |
| 71 | 55.1 | 23.4 | 35.2# |

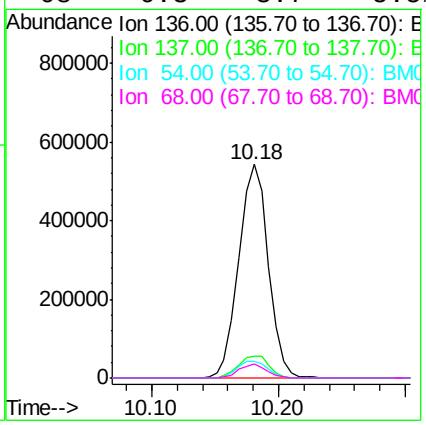


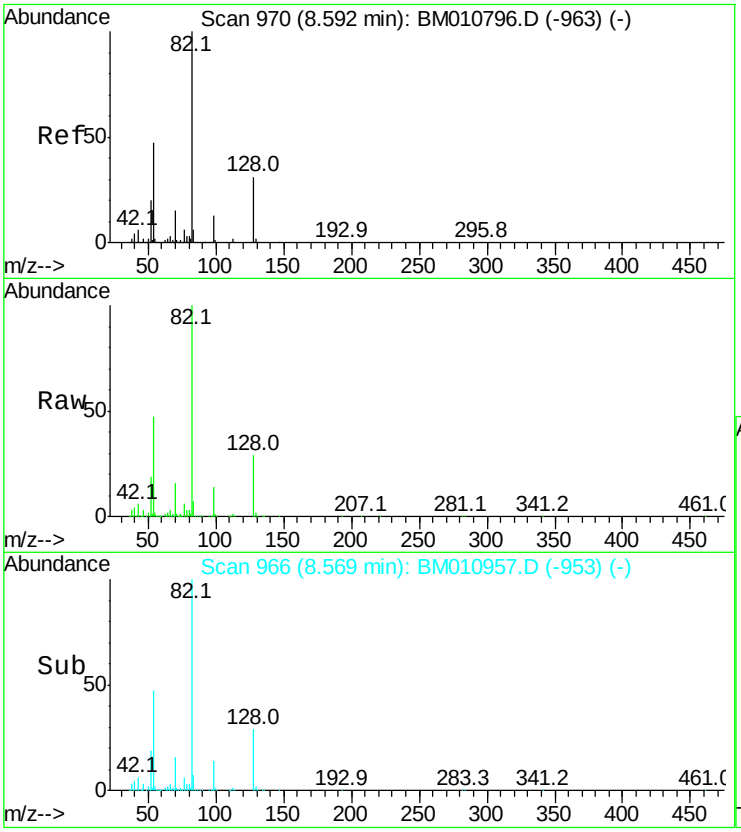




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.18 min Scan# 1240
Delta R.T. -0.03 min
Lab File: BM010957.D
Acq: 22 Jul 2017 03:59

Tgt Ion:136 Resp: 877277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.3 | 8.7 | 13.1 |
| 54 | 7.8 | 4.6 | 6.8# |
| 68 | 6.3 | 3.7 | 5.5# |



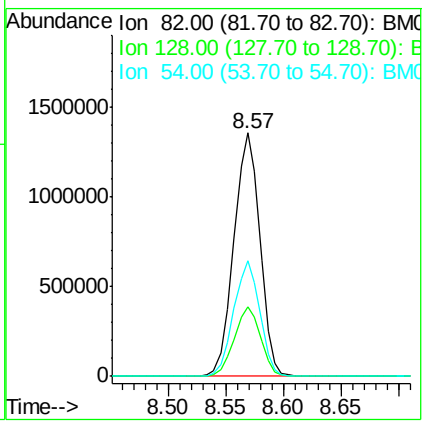


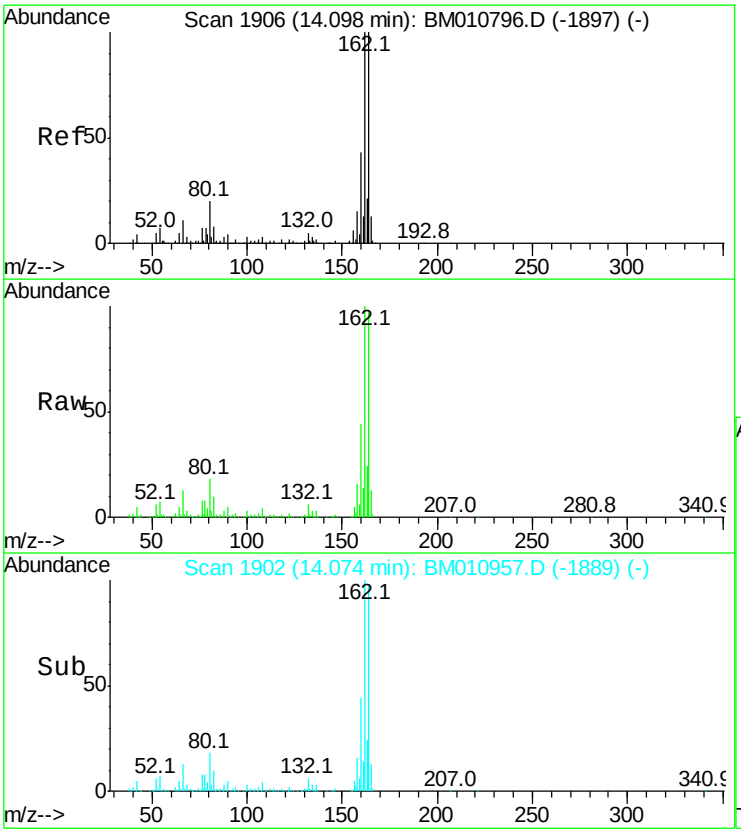

#23
Nitrobenzene-d5
Concen: 92.755 ng
RT: 8.57 min Scan# 966
Delta R.T. -0.02 min
Lab File: BM010957.D
Acq: 22 Jul 2017 03:59

**Instrument :**
BNA_M
**ClientSampleId :**
PB100830TB

Tgt Ion: 82 Resp: 2116989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 28.6 | 32.8 | 49.2# |
| 54 | 47.3 | 40.6 | 60.8 |

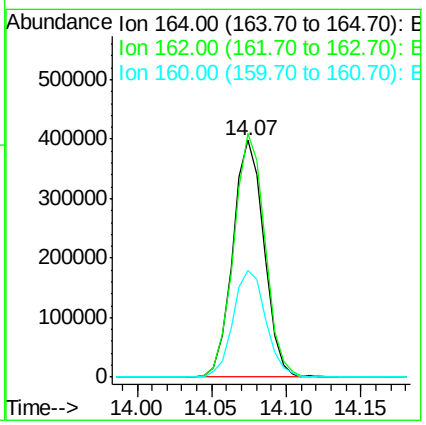


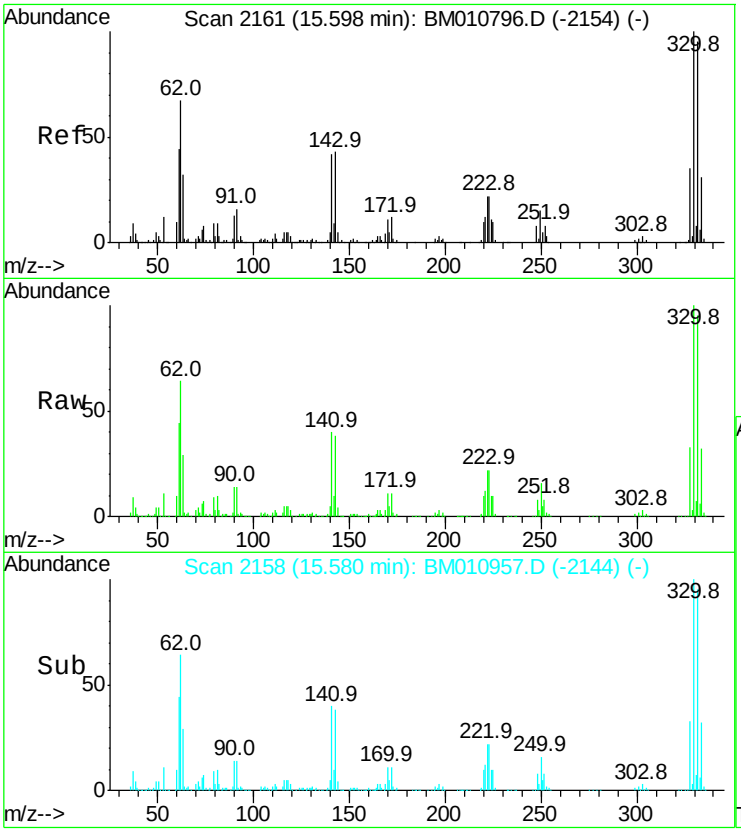




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.07 min Scan# 1902
Delta R.T. -0.02 min
Lab File: BM010957.D
Acq: 22 Jul 2017 03:59

Tgt Ion:164 Resp: 579077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.8 | 82.4 | 123.6 |
| 160 | 44.8 | 35.8 | 53.6 |



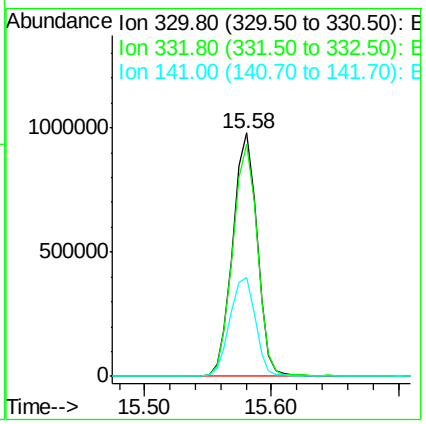


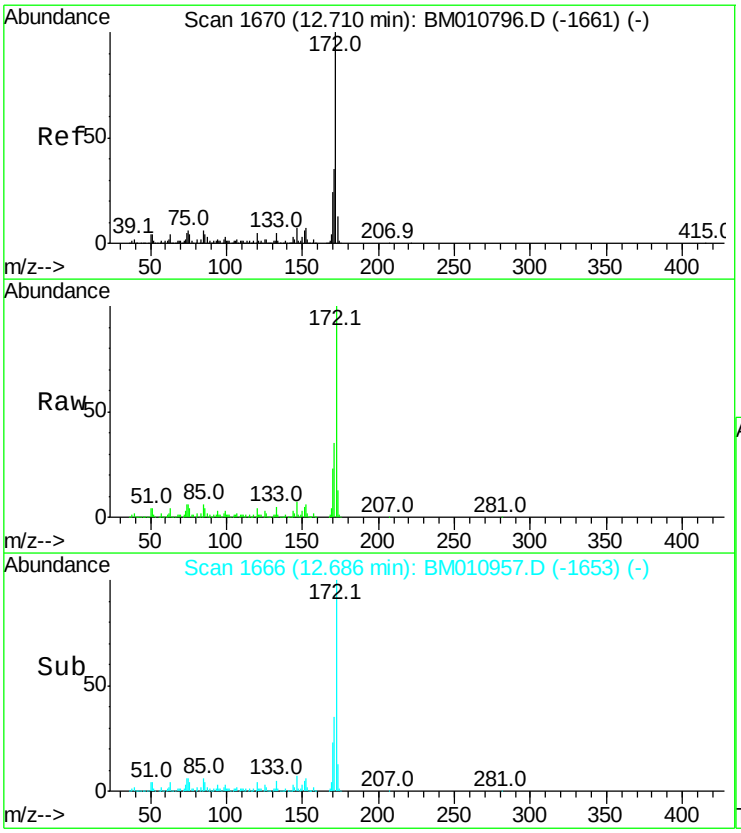

#41
2,4,6-Tribromophenol
Concen: 147.766 ng
RT: 15.58 min Scan# 2158
Delta R.T. -0.02 min
Lab File: BM010957.D
Acq: 22 Jul 2017 03:59

**Instrument :**
BNA_M
**ClientSampleId :**
PB100830TB

Tgt Ion:330 Resp: 1307642

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.0 | 0.0 | 0.0# |
| 141 | 42.5 | 0.0 | 0.0# |

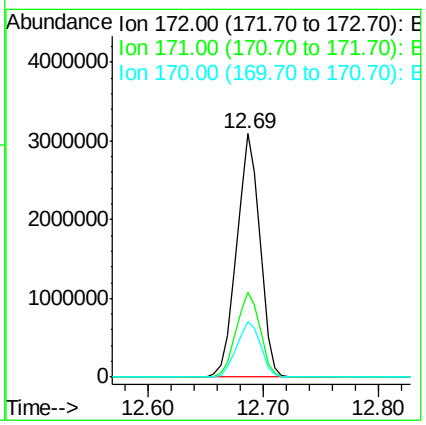


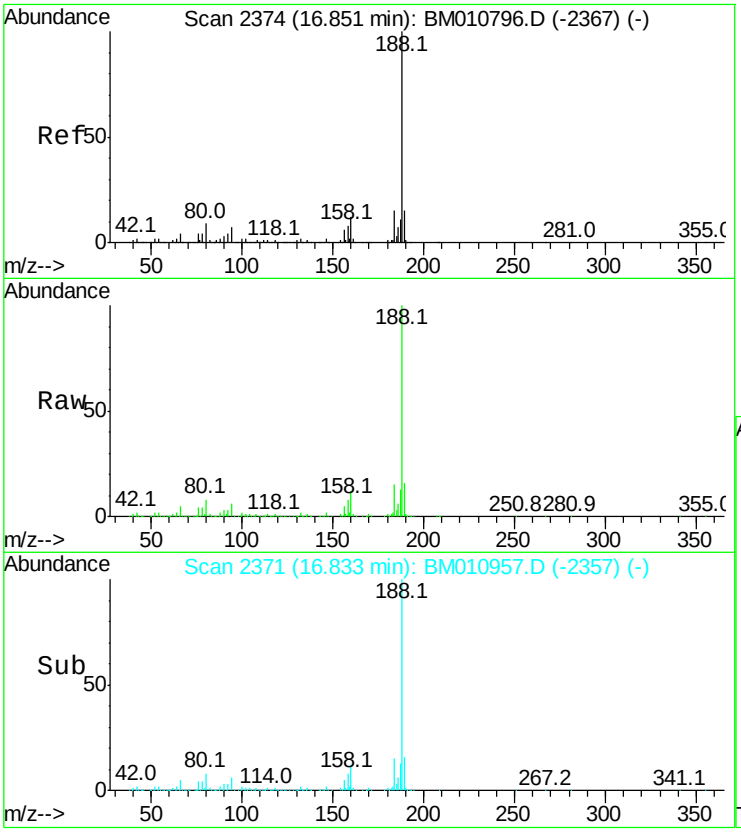




#44
2-Fluorobiphenyl
Concen: 92.378 ng
RT: 12.69 min Scan# 1666
Delta R.T. -0.02 min
Lab File: BM010957.D
Acq: 22 Jul 2017 03:59

Tgt Ion:172 Resp: 4300086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 28.5 | 42.7 |
| 170 | 22.7 | 18.8 | 28.2 |



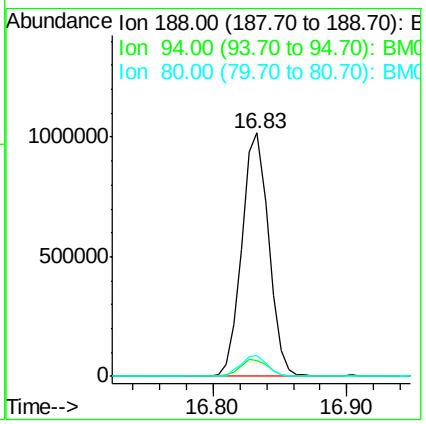


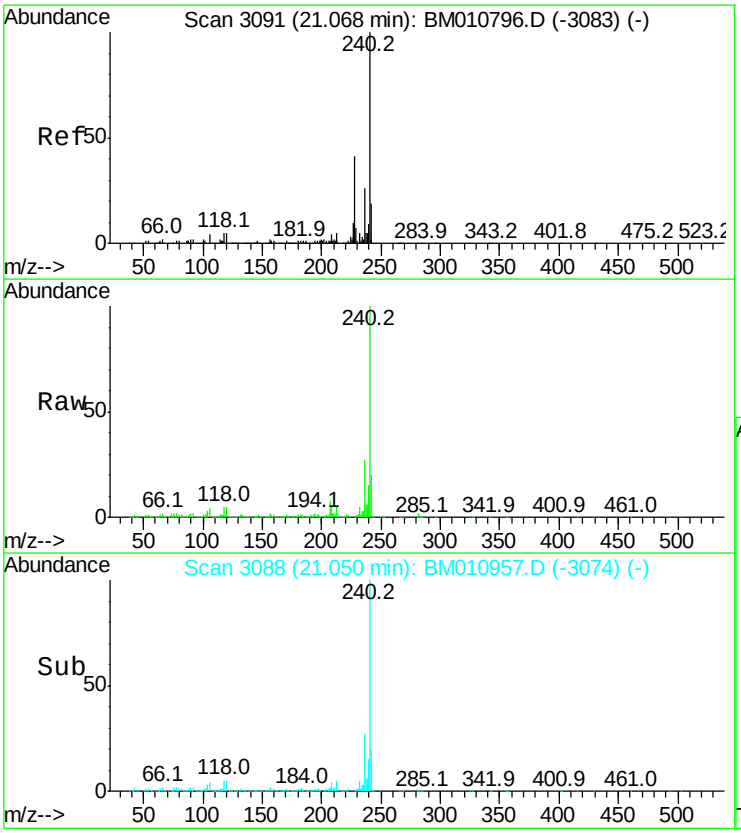

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.83 min Scan# 2371
Delta R.T. -0.02 min
Lab File: BM010957.D
Acq: 22 Jul 2017 03:59

**Instrument :**
BNA_M
**ClientSampleId :**
PB100830TB

Tgt Ion:188 Resp: 1410847

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.3 | 8.7 | 13.1# |
| 80 | 8.4 | 9.3 | 13.9# |

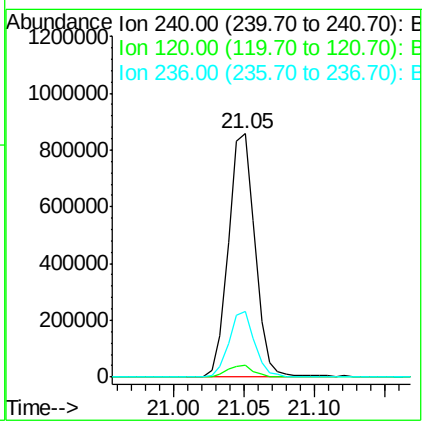


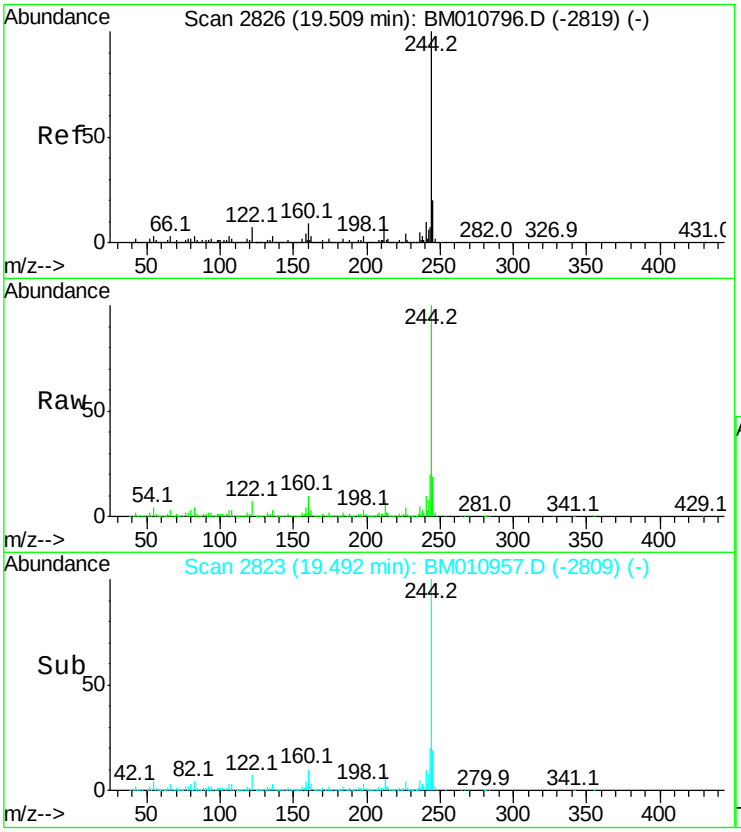




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.05 min Scan# 3088
Delta R.T. -0.02 min
Lab File: BM010957.D
Acq: 22 Jul 2017 03:59

Tgt Ion:240 Resp: 1129580

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.1 | 8.2 | 12.2# |
| 236 | 26.8 | 20.0 | 30.0 |



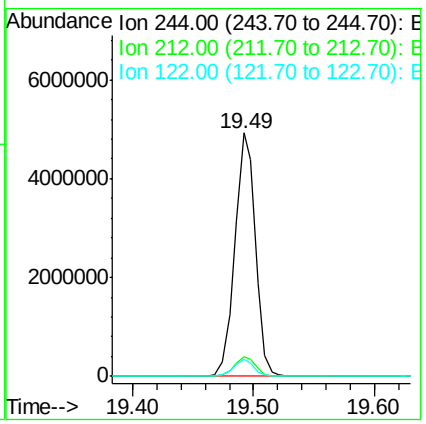


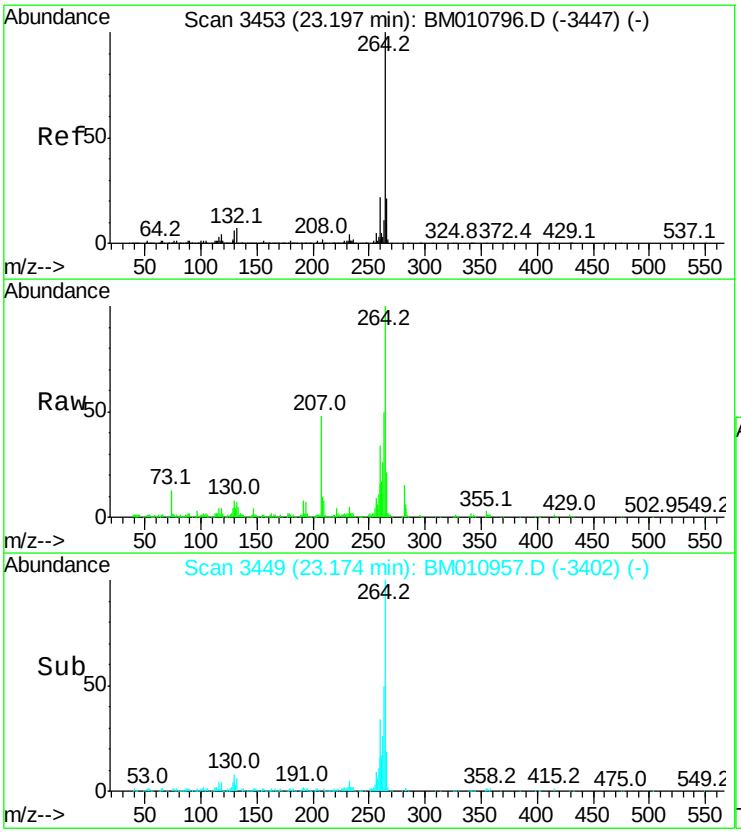

#78
Terphenyl-d14
Concen: 99.902 ng
RT: 19.49 min Scan# 2823
Delta R.T. -0.02 min
Lab File: BM010957.D
Acq: 22 Jul 2017 03:59

**Instrument :**
BNA_M
**ClientSampleId :**
PB100830TB

Tgt Ion:244 Resp: 5834581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.3 | 4.9 | 7.3# |
| 122 | 6.9 | 6.2 | 9.4 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.17 min Scan# 3449
Delta R.T. -0.02 min
Lab File: BM010957.D
Acq: 22 Jul 2017 03:59

Tgt Ion:264 Resp: 453142

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 34.3 | 18.6 | 27.8# |
| 265 | 21.1 | 17.3 | 25.9 |