Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052317\
Data File : BM010146.D
Acq On : 23 May 2017 17:41
Operator : SJ/MA
Sample : I3242-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** VL-WWTP-003

Quant Time: May 23 19:21:47 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM051917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 20 04:25:49 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.96 | 152 | 123973 | 20.00 | ng | -0.02 |
| 21) Naphthalene-d8 | 10.76 | 136 | 422010 | 20.00 | ng | -0.02 |
| 38) Acenaphthene-d10 | 14.59 | 164 | 276420 | 20.00 | ng | -0.02 |
| 63) Phenanthrene-d10 | 17.33 | 188 | 730603 | 20.00 | ng | -0.02 |
| 75) Chrysene-d12 | 21.49 | 240 | 1123145 | 20.00 | ng | -0.02 |
| 86) Perylene-d12 | 23.86 | 264 | 1277151 | 20.00 | ng | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.53 | 112 | 216074 | 31.47 | ng | -0.02 |
| 7) Phenol-d6 | 7.14 | 99 | 162292 | 18.37 | ng | -0.03 |
| 23) Nitrobenzene-d5 | 9.15 | 82 | 744917 | 95.23 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.08 | 330 | 323598 | 77.08 | ng | -0.02 |
| 44) 2-Fluorobiphenyl | 13.21 | 172 | 1993988 | 92.74 | ng | -0.02 |
| 78) Terphenyl-d14 | 19.93 | 244 | 3829991 | 77.54 | ng | -0.02 |

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

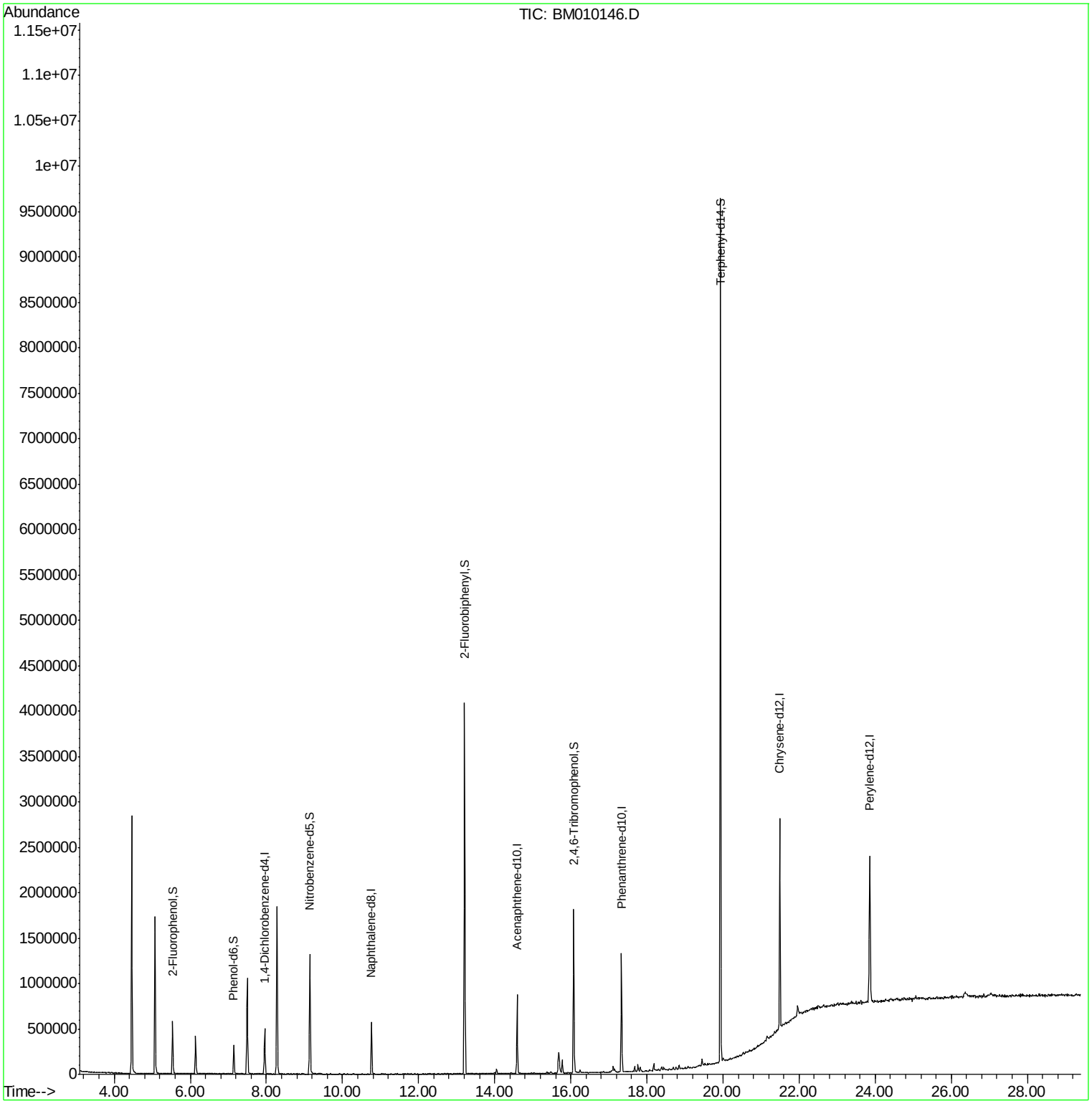
(#) = qualifier out of range (m) = manual integration (+) = signals summed

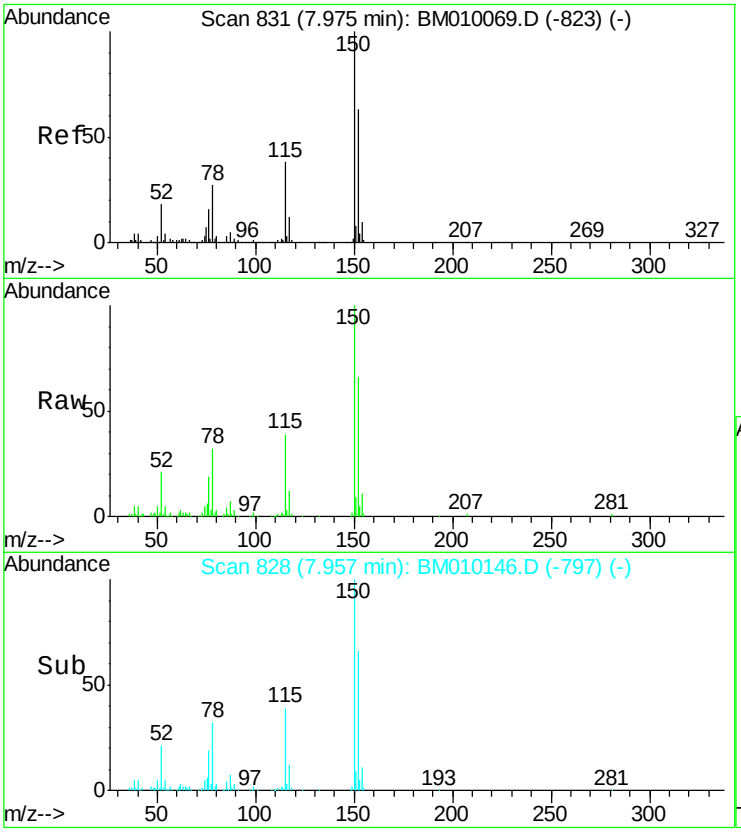
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM052317\
Data File : BM010146.D
Acq On : 23 May 2017 17:41
Operator : SJ/MA
Sample : I3242-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** VL-WWTP-003

Quant Time: May 23 19:21:47 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM051917.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat May 20 04:25:49 2017
Response via : Initial Calibration



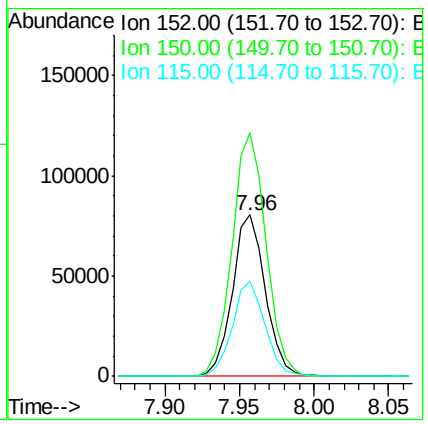


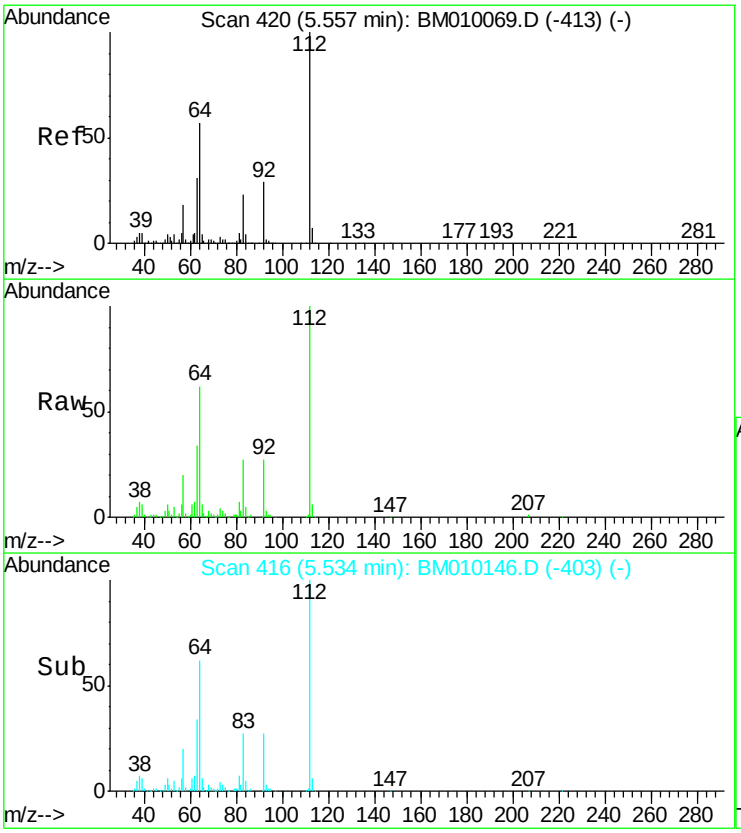

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.96 min Scan# 828
Delta R.T. -0.02 min
Lab File: BM010146.D
Acq: 23 May 2017 17:41

**Instrument :**
BNA_M
**ClientSampleId :**
VL-WWTP-003

Tgt Ion:152 Resp: 123973

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 150.7 | 119.5 | 179.3 |
| 115 | 58.7 | 43.0 | 64.4 |

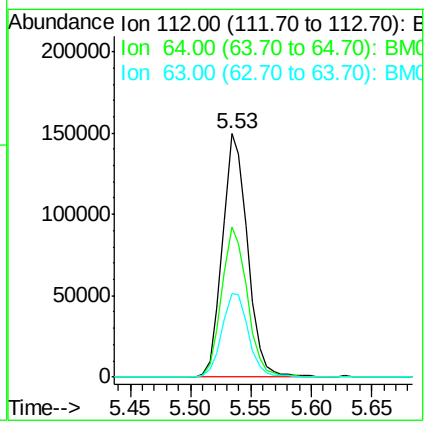


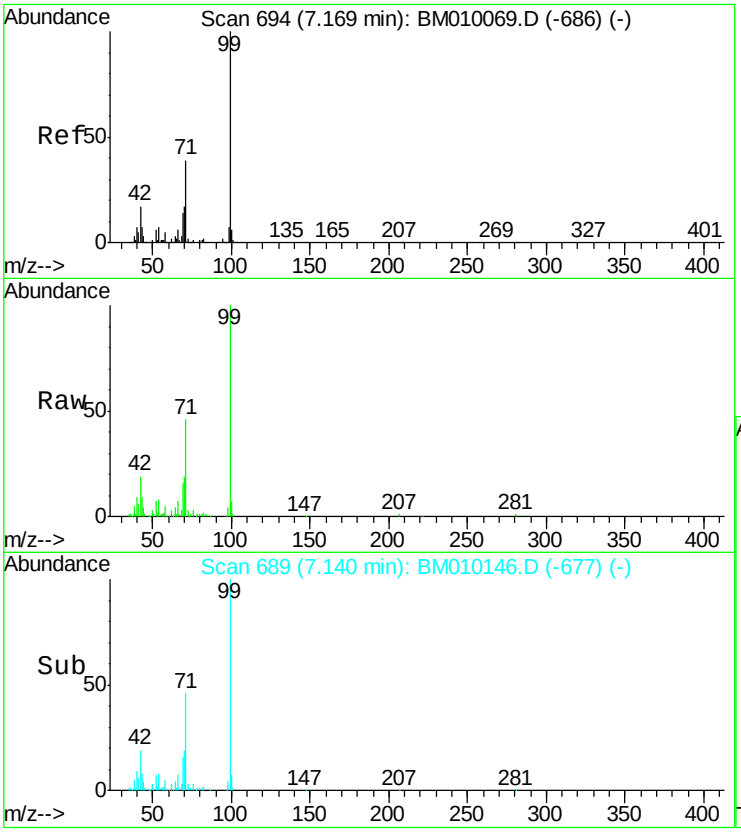




#5
2-Fluorophenol
Concen: 31.47 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.02 min
Lab File: BM010146.D
Acq: 23 May 2017 17:41

Tgt Ion:112 Resp: 216074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.9 | 38.6 | 57.8# |
| 63 | 34.4 | 19.3 | 28.9# |



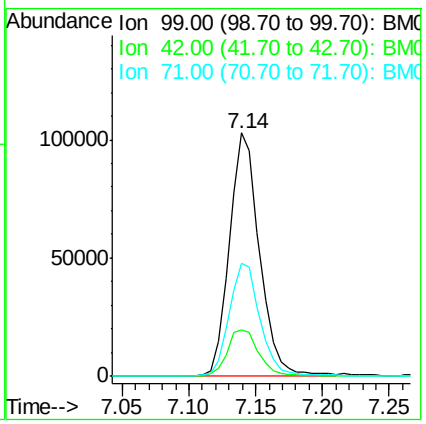


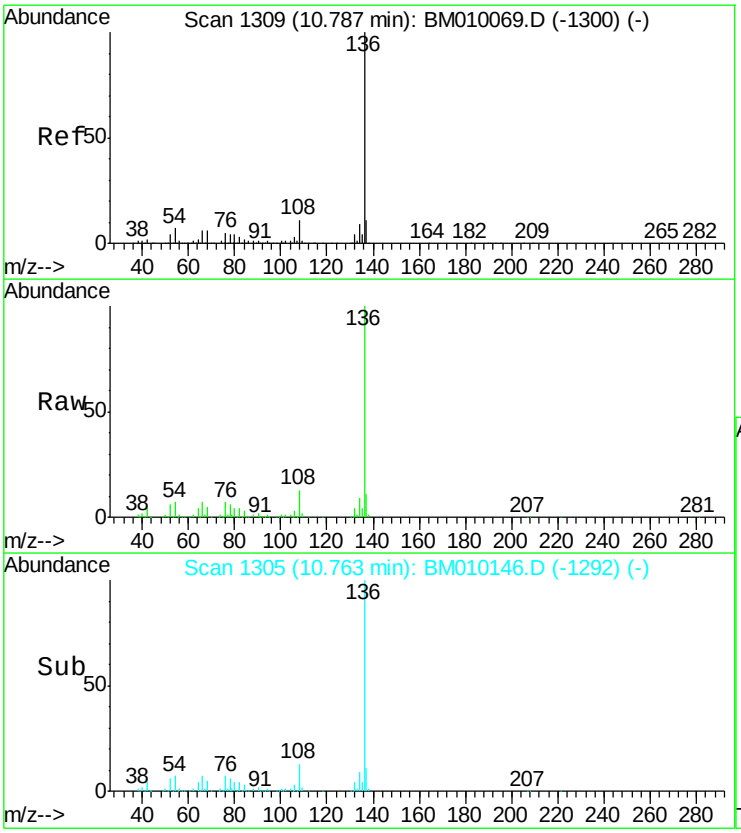

#7
Phenol-d6
Concen: 18.37 ng
RT: 7.14 min Scan# 689
Delta R.T. -0.03 min
Lab File: BM010146.D
Acq: 23 May 2017 17:41

**Instrument :**
BNA_M
**ClientSampleId :**
VL-WWTP-003

Tgt Ion: 99 Resp: 162292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.3 | 11.0 | 16.4# |
| 71 | 46.5 | 23.4 | 35.2# |

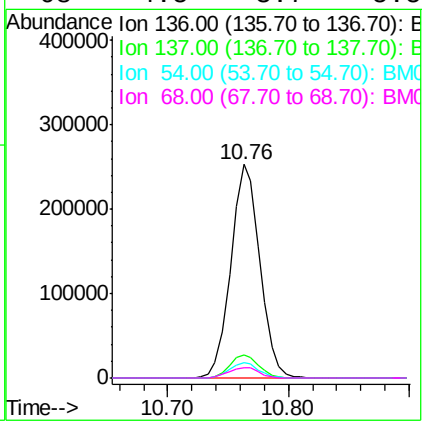


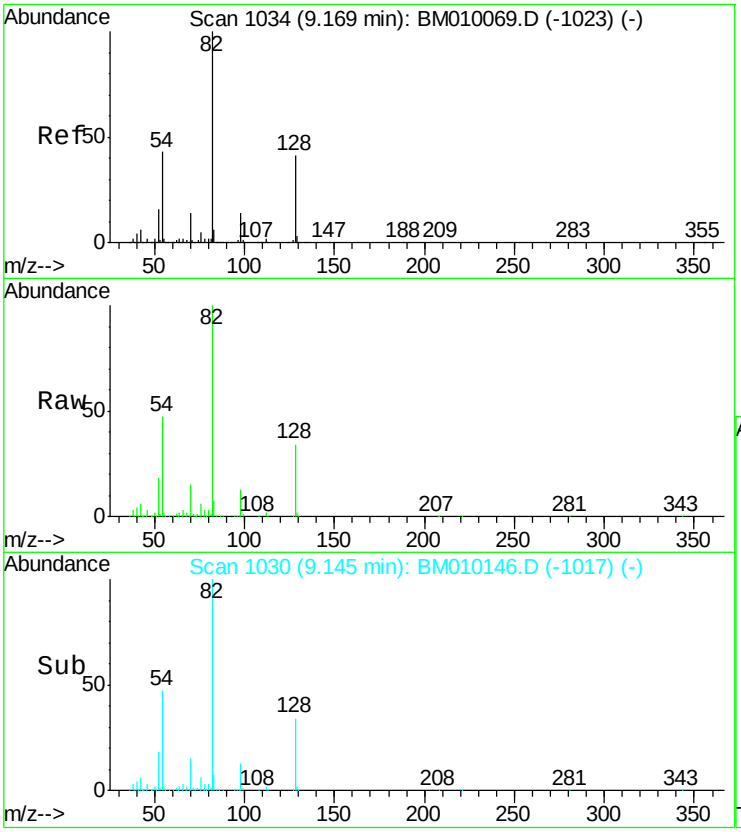




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.76 min Scan# 1305
Delta R.T. -0.02 min
Lab File: BM010146.D
Acq: 23 May 2017 17:41

Tgt Ion:136 Resp: 422010

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.7 | 13.1 |
| 54 | 7.3 | 4.6 | 6.8# |
| 68 | 4.5 | 3.7 | 5.5 |



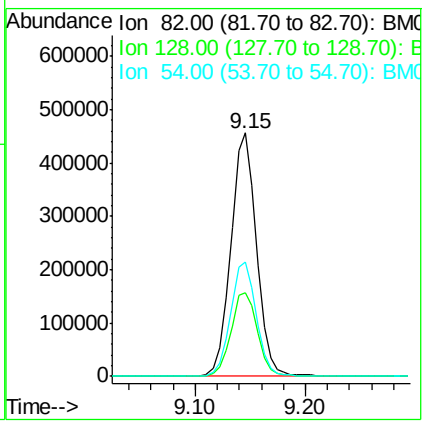


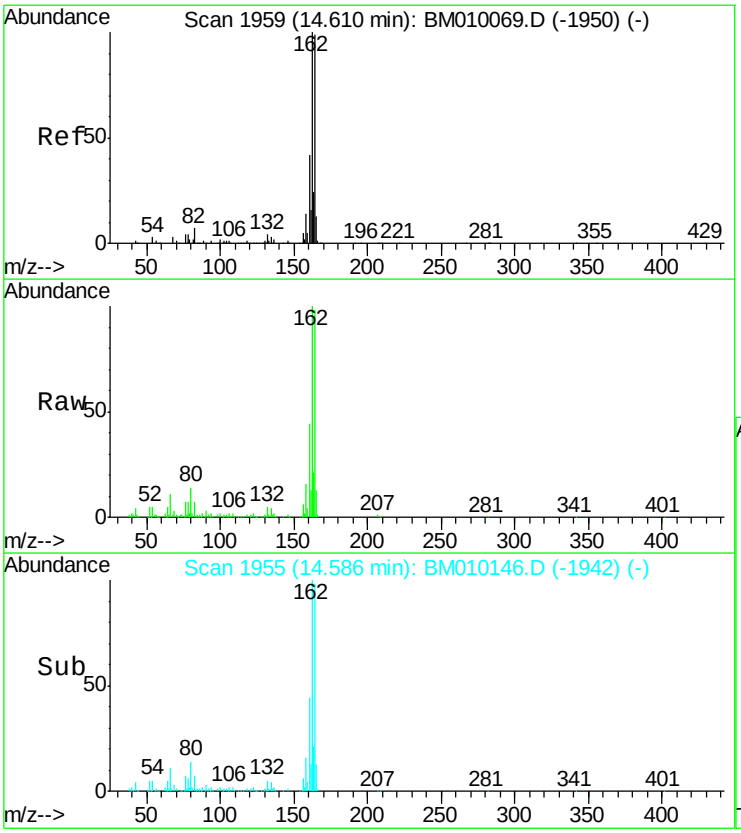

#23
Nitrobenzene-d5
Concen: 95.23 ng
RT: 9.15 min Scan# 1030
Delta R.T. -0.02 min
Lab File: BM010146.D
Acq: 23 May 2017 17:41

**Instrument :**
BNA_M
**ClientSampleId :**
VL-WWTP-003

Tgt Ion: 82 Resp: 744917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 34.4 | 32.8 | 49.2 |
| 54 | 46.7 | 40.6 | 60.8 |

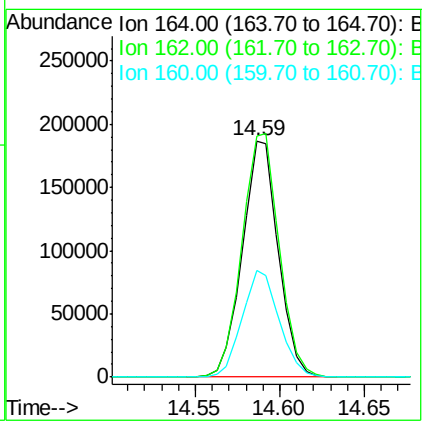


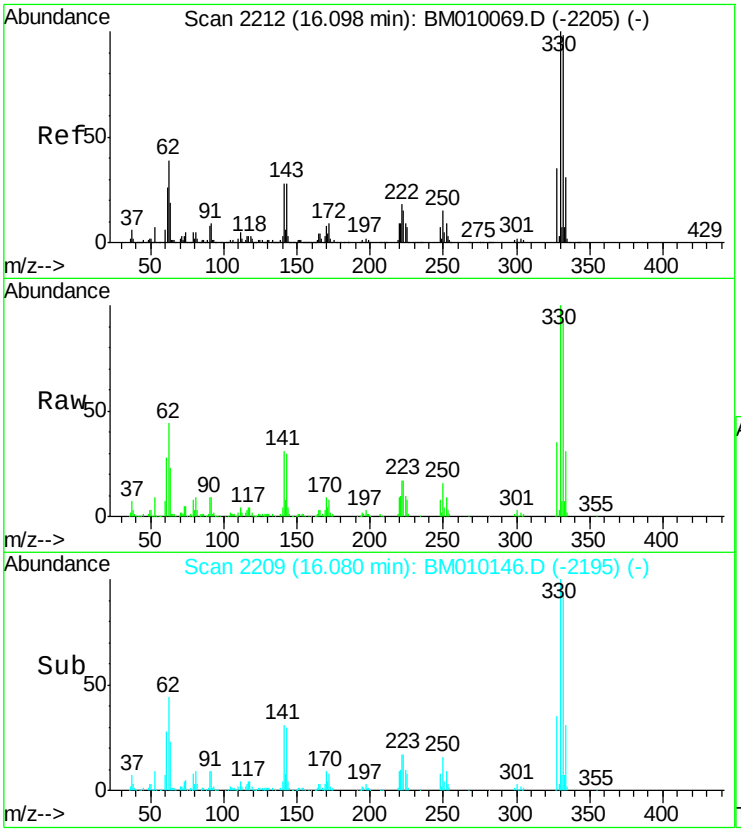




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.59 min Scan# 1955
Delta R.T. -0.02 min
Lab File: BM010146.D
Acq: 23 May 2017 17:41

Tgt Ion:164 Resp: 276420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.1 | 82.4 | 123.6 |
| 160 | 45.1 | 35.8 | 53.6 |



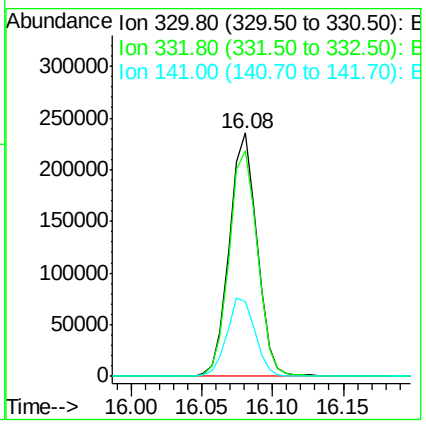


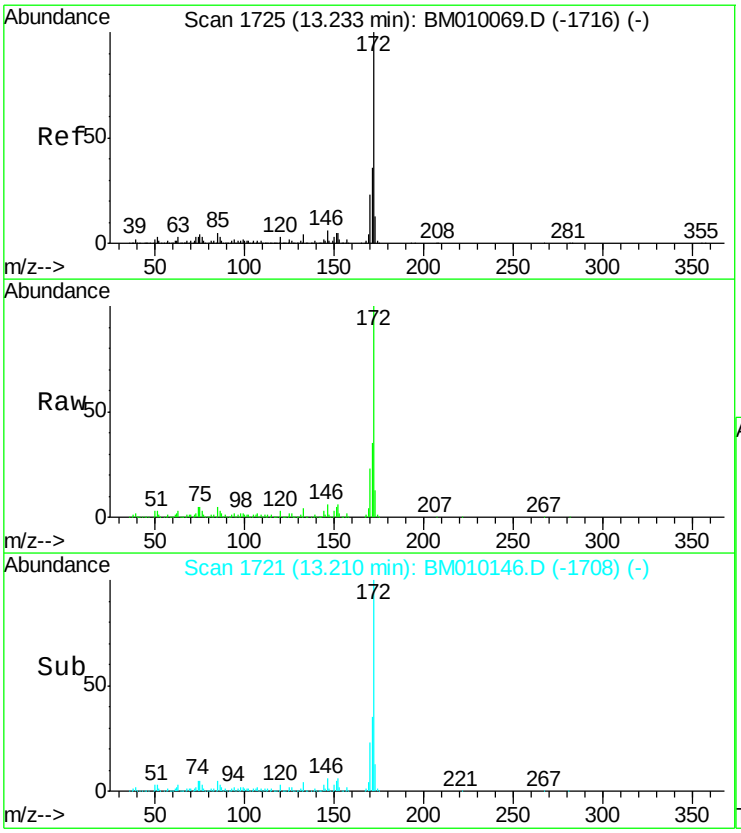

#41
2,4,6-Tribromophenol
Concen: 77.08 ng
RT: 16.08 min Scan# 2209
Delta R.T. -0.02 min
Lab File: BM010146.D
Acq: 23 May 2017 17:41

**Instrument :**
BNA_M
**ClientSampleId :**
VL-WWTP-003

Tgt Ion:330 Resp: 323598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.2 | 0.0 | 0.0# |
| 141 | 32.8 | 0.0 | 0.0# |

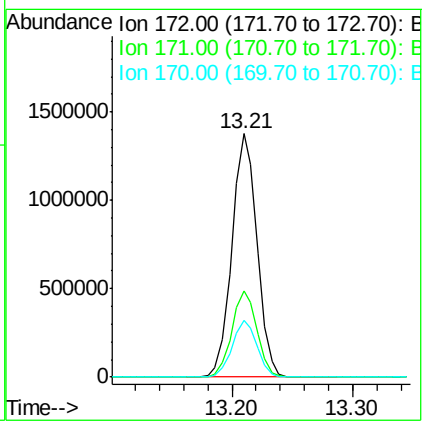


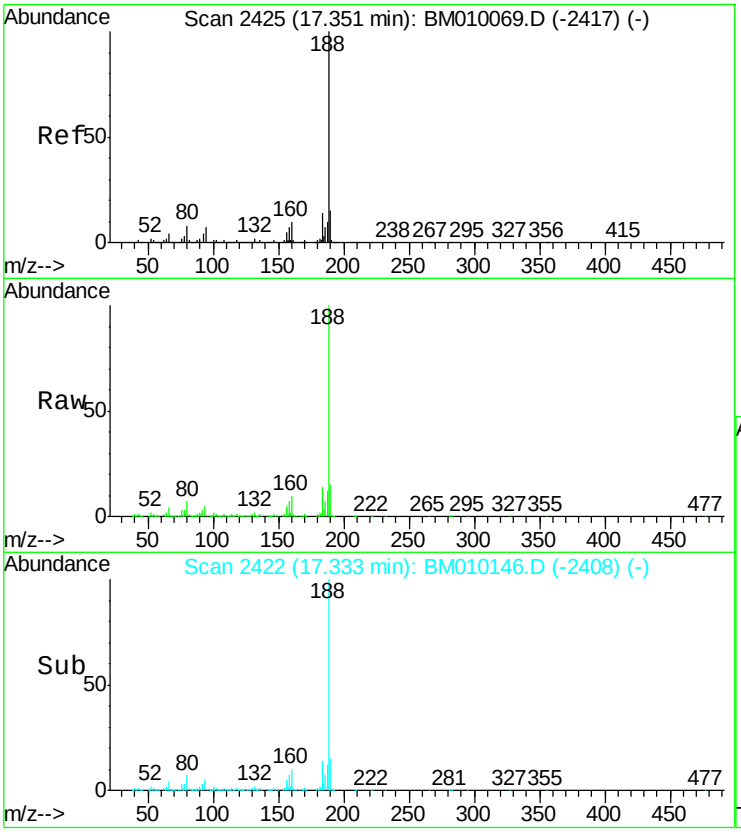




#44
2-Fluorobiphenyl
Concen: 92.74 ng
RT: 13.21 min Scan# 1721
Delta R.T. -0.02 min
Lab File: BM010146.D
Acq: 23 May 2017 17:41

Tgt Ion:172 Resp: 1993988

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.3 | 28.5 | 42.7 |
| 170 | 23.3 | 18.8 | 28.2 |



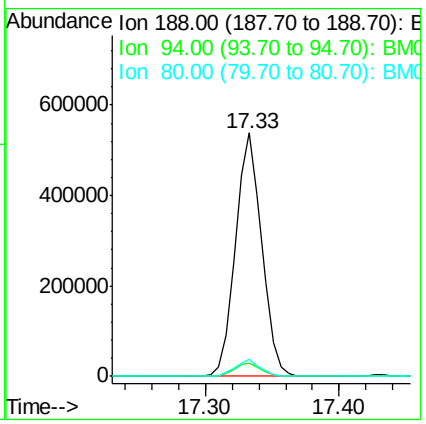


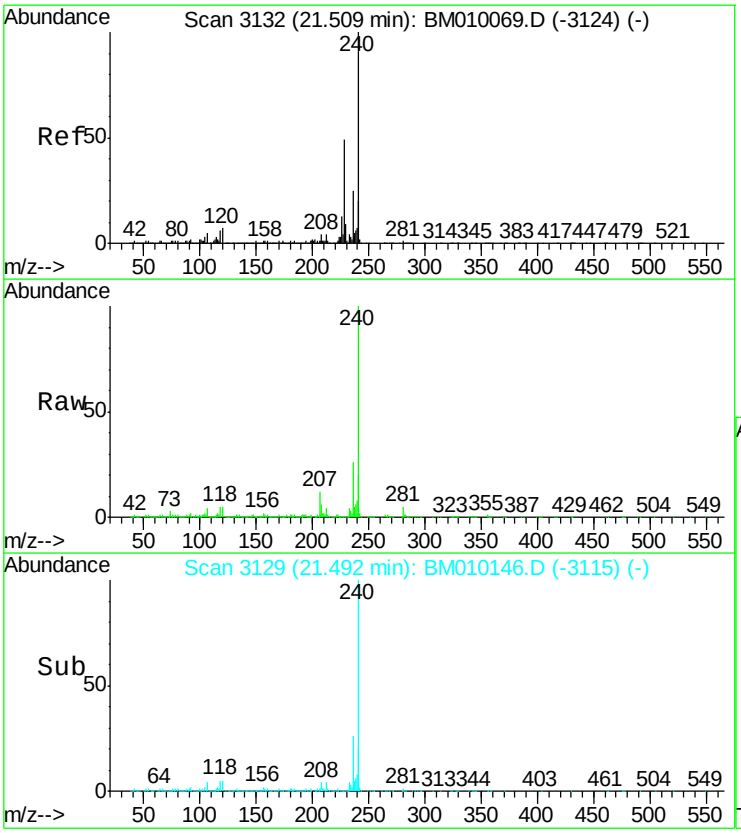

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.33 min Scan# 2422
Delta R.T. -0.02 min
Lab File: BM010146.D
Acq: 23 May 2017 17:41

**Instrument :**
BNA_M
**ClientSampleId :**
VL-WWTP-003

Tgt Ion:188 Resp: 730603

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 5.4 | 8.7 | 13.1# |
| 80 | 7.1 | 9.3 | 13.9# |

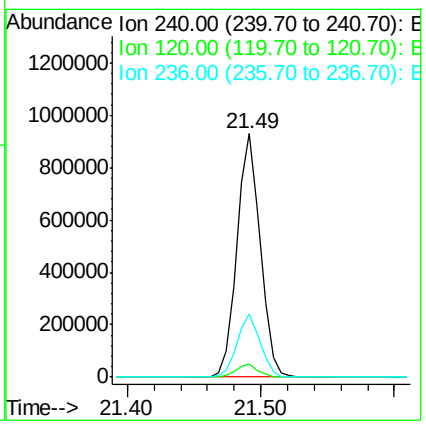


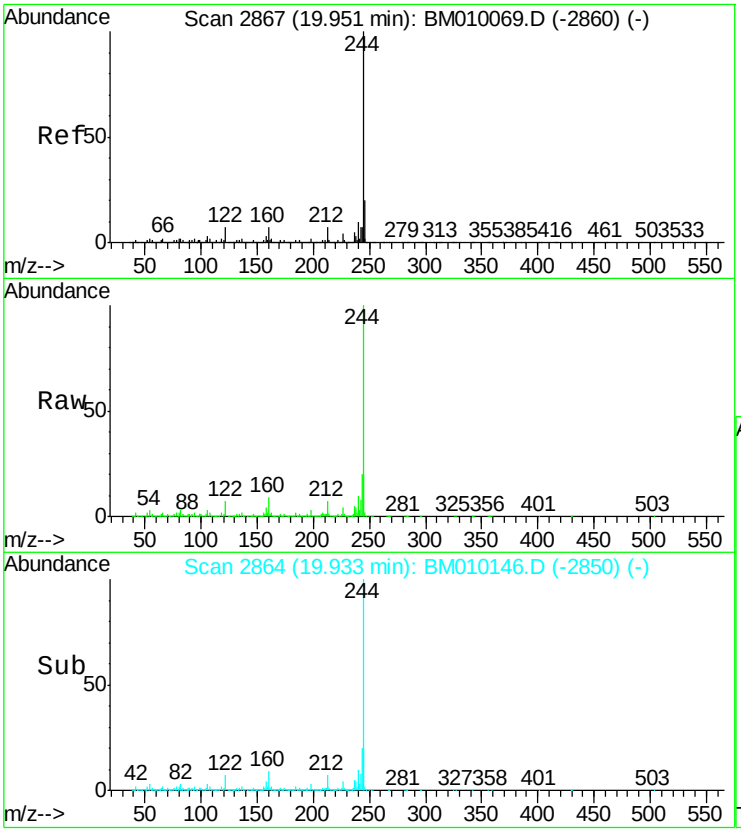




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.49 min Scan# 3129
Delta R.T. -0.02 min
Lab File: BM010146.D
Acq: 23 May 2017 17:41

Tgt Ion:240 Resp: 1123145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 5.3 | 8.2 | 12.2# |
| 236 | 25.9 | 20.0 | 30.0 |



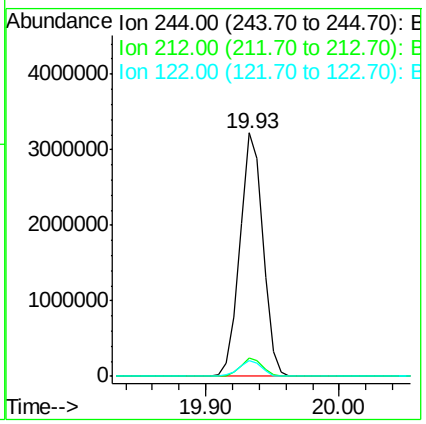


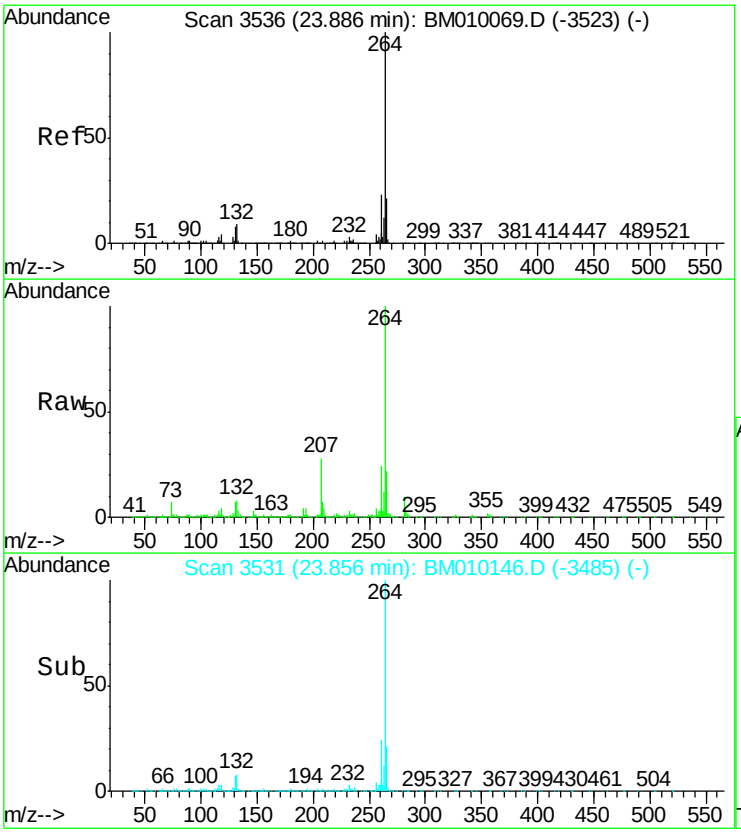

#78
Terphenyl-d14
Concen: 77.54 ng
RT: 19.93 min Scan# 2864
Delta R.T. -0.02 min
Lab File: BM010146.D
Acq: 23 May 2017 17:41

**Instrument :**
BNA_M
**ClientSampleId :**
VL-WWTP-003

Tgt Ion:244 Resp: 3829991

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 4.9 | 7.3# |
| 122 | 6.6 | 6.2 | 9.4 |




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.86 min Scan# 3531
Delta R.T. -0.03 min
Lab File: BM010146.D
Acq: 23 May 2017 17:41

Tgt Ion:264 Resp: 1277151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.1 | 18.6 | 27.8 |
| 265 | 22.3 | 17.3 | 25.9 |