Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120915\
Data File : BM003453.D
Acq On : 10 Dec 2015 15:32
Operator : UM/IZ
Sample : G4721-01
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** SES-EFFLUENT-MS3

Quant Time: Dec 10 16:30:21 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 09 18:52:47 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.72 | 152 | 61905 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 10.51 | 136 | 258824 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 14.37 | 164 | 141737 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 17.12 | 188 | 315967 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 21.32 | 240 | 351441 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 23.57 | 264 | 343719 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.30 | 112 | 137998 | 39.63 | ng | 0.00 |
| 7) Phenol-d6 | 6.89 | 99 | 15568 | 3.22 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 8.88 | 82 | 430007 | 103.01 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 15.87 | 330 | 128038 | 90.45 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 12.99 | 172 | 1036351 | 99.62 | ng | 0.00 |
| 78) Terphenyl-d14 | 19.76 | 244 | 1170739 | 78.56 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 49) Dimethylphthalate | 13.83 | 163 | 43868 | 3.76 | ng | # 99 |

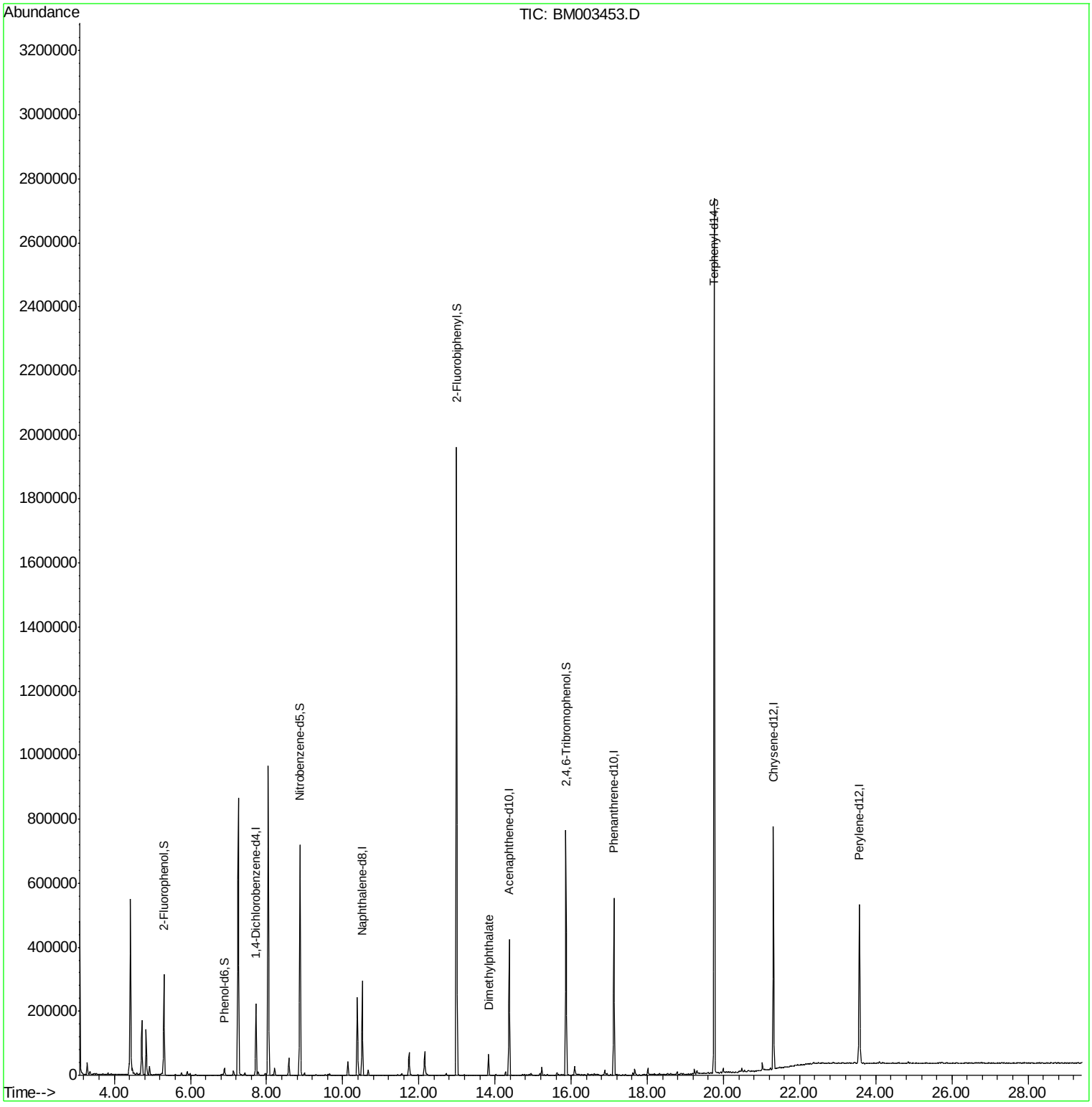
(#) = qualifier out of range (m) = manual integration (+) = signals summed

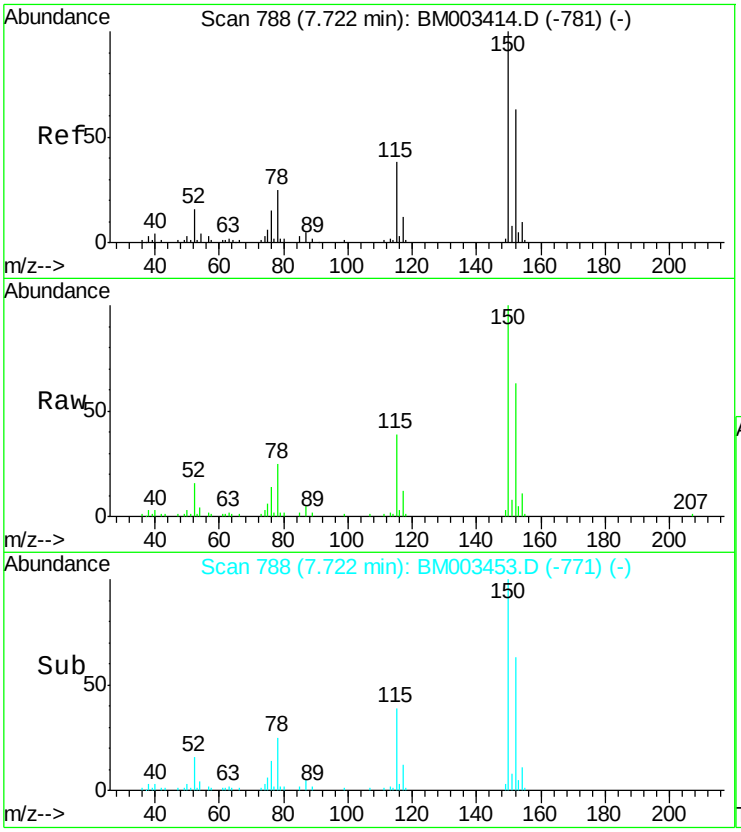
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120915\
Data File : BM003453.D
Acq On : 10 Dec 2015 15:32
Operator : UM/IZ
Sample : G4721-01
Misc :
ALS Vial : 56 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
SES-EFFLUENT-MS3

Quant Time: Dec 10 16:30:21 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-BM120915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 09 18:52:47 2015
Response via : Initial Calibration



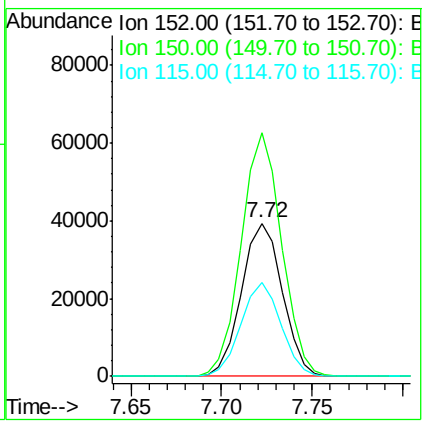


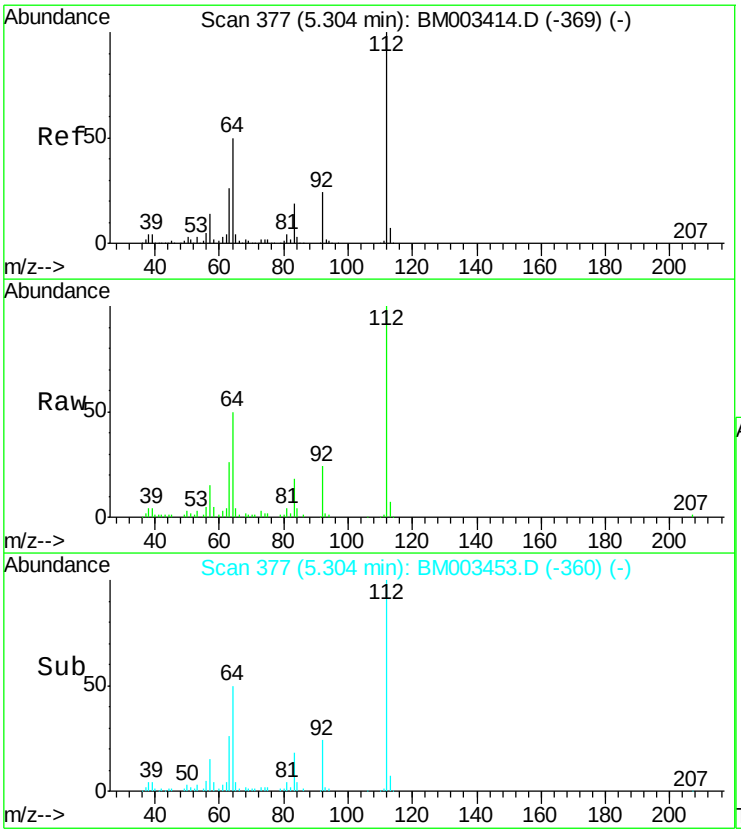

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BM003453.D
Acq: 10 Dec 2015 15:32

**Instrument :**
BNA_M
**ClientSampleId :**
SES-EFFLUENT-MS3

Tgt Ion:152 Resp: 61905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.9 | 119.5 | 179.3 |
| 115 | 61.5 | 43.0 | 64.4 |

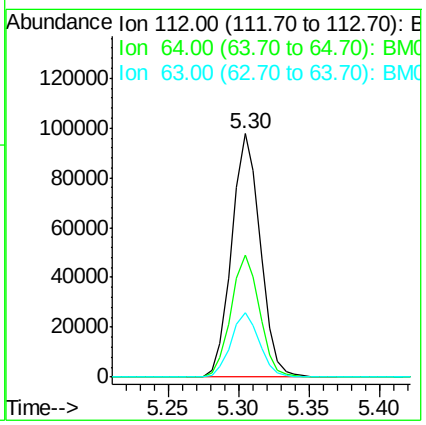


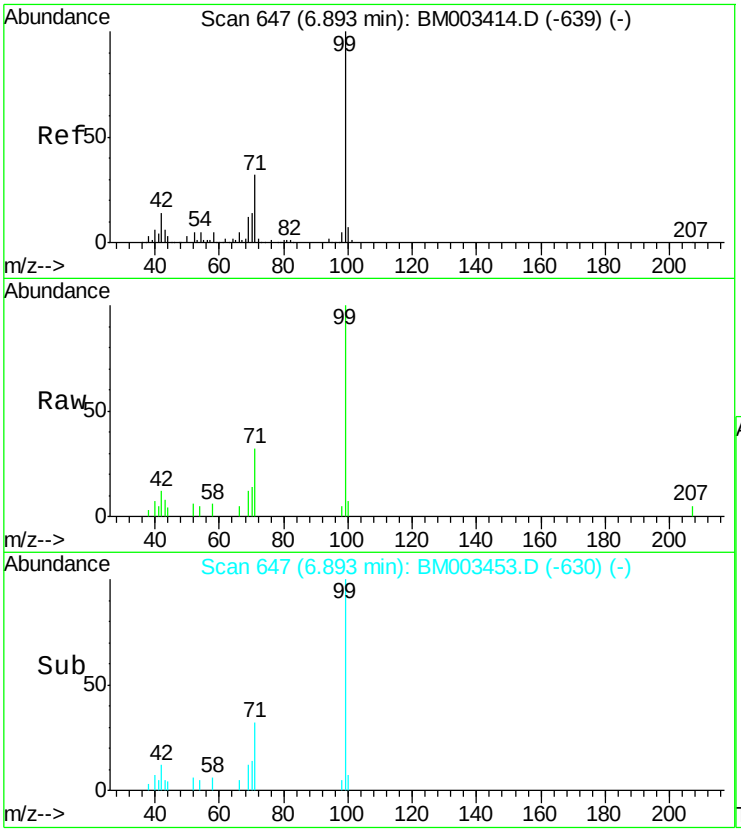




#5
2-Fluorophenol
Concen: 39.63 ng
RT: 5.30 min Scan# 377
Delta R.T. 0.00 min
Lab File: BM003453.D
Acq: 10 Dec 2015 15:32

Tgt Ion:112 Resp: 137998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 50.1 | 38.6 | 57.8 |
| 63 | 26.3 | 19.3 | 28.9 |



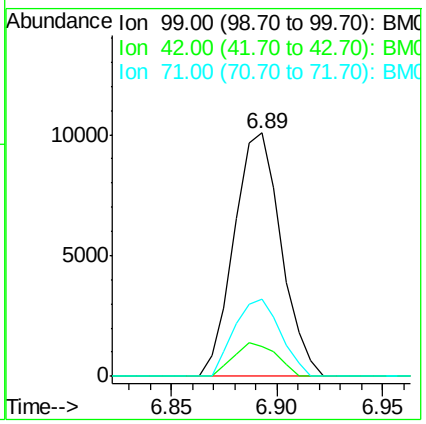


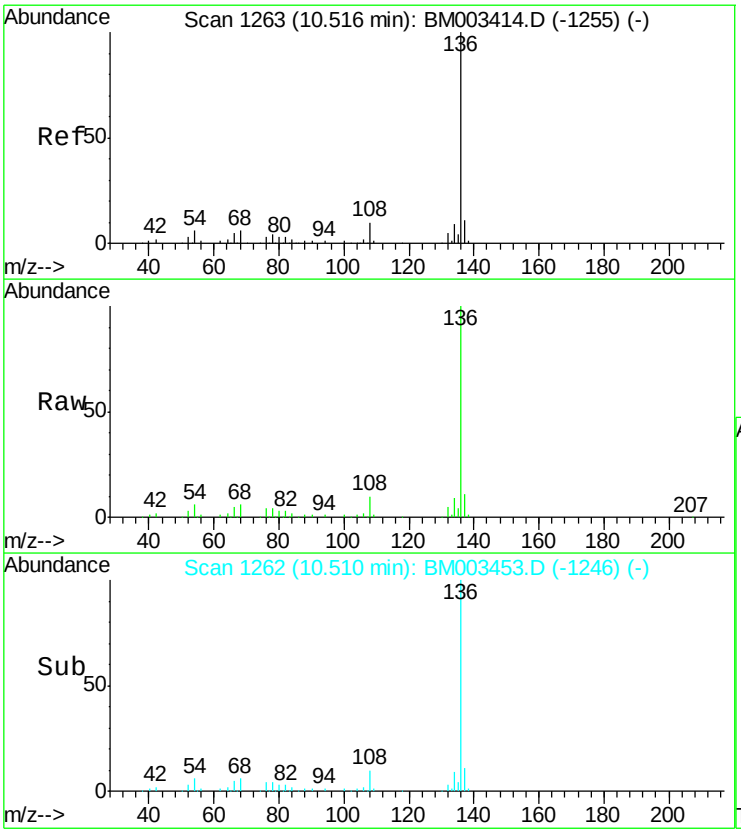

#7
Phenol-d6
Concen: 3.22 ng
RT: 6.89 min Scan# 647
Delta R.T. 0.00 min
Lab File: BM003453.D
Acq: 10 Dec 2015 15:32

**Instrument :**
BNA_M
**ClientSampleId :**
SES-EFFLUENT-MS3

Tgt Ion: 99 Resp: 15568

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 12.3 | 11.0 | 16.4 |
| 71 | 31.8 | 23.4 | 35.2 |

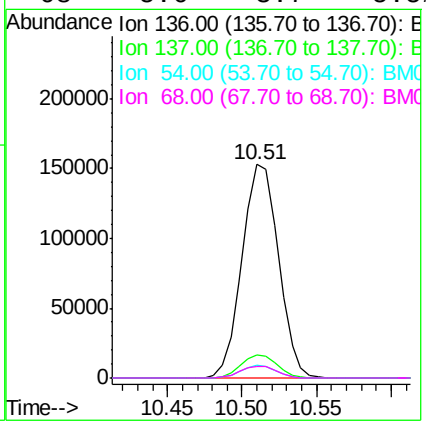


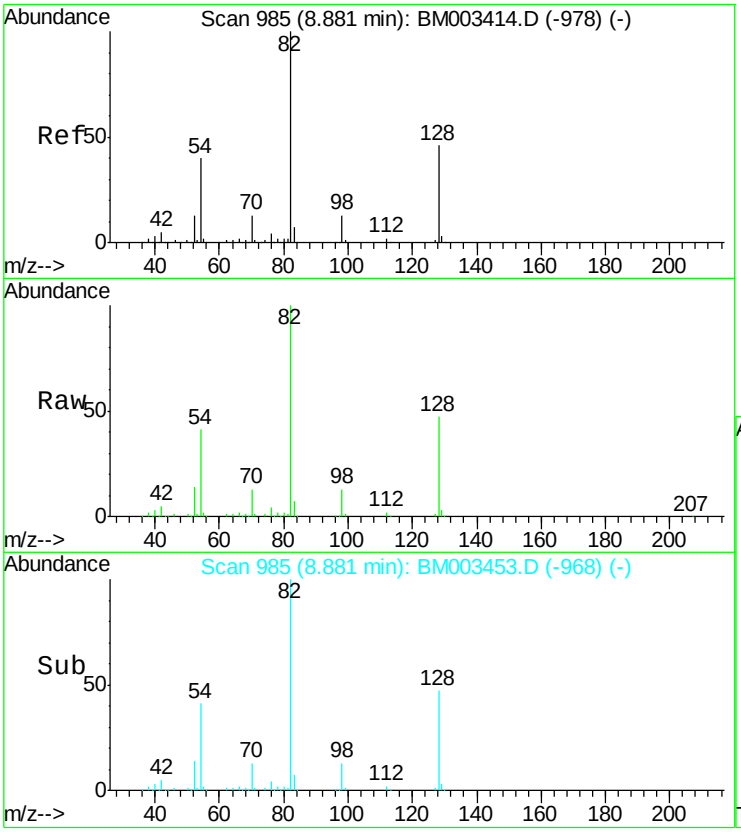




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.51 min Scan# 1262
Delta R.T. -0.01 min
Lab File: BM003453.D
Acq: 10 Dec 2015 15:32

Tgt Ion:136 Resp: 258824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.7 | 13.1 |
| 54 | 5.9 | 4.6 | 6.8 |
| 68 | 5.6 | 3.7 | 5.5# |



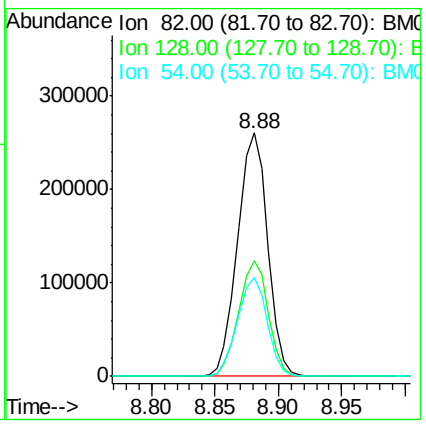


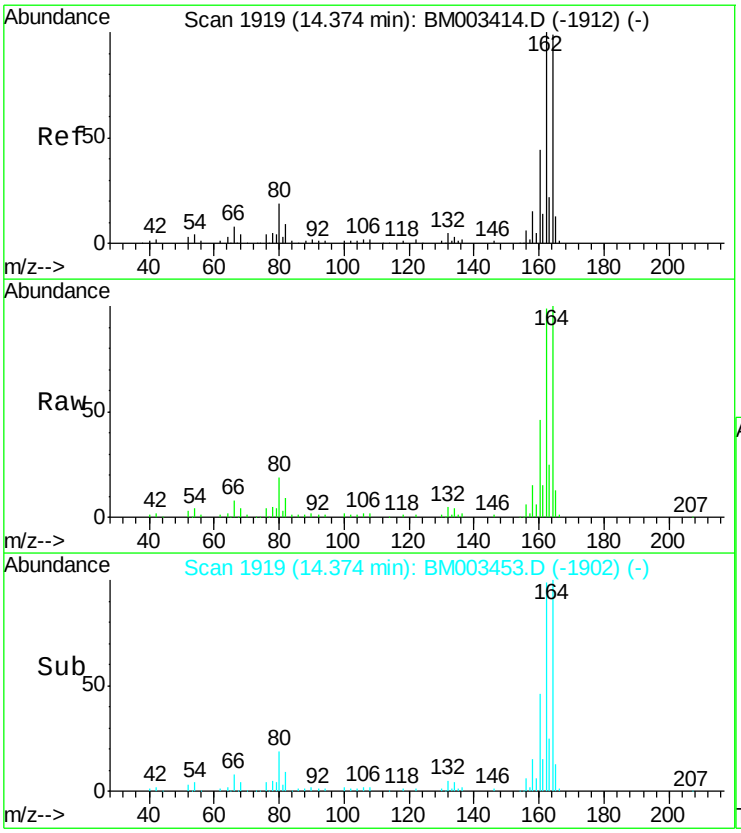

#23
Nitrobenzene-d5
Concen: 103.01 ng
RT: 8.88 min Scan# 985
Delta R.T. 0.00 min
Lab File: BM003453.D
Acq: 10 Dec 2015 15:32

**Instrument :**
BNA_M
**ClientSampleId :**
SES-EFFLUENT-MS3

Tgt Ion: 82 Resp: 430007

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

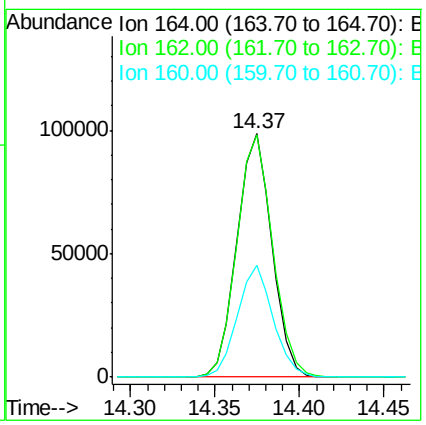


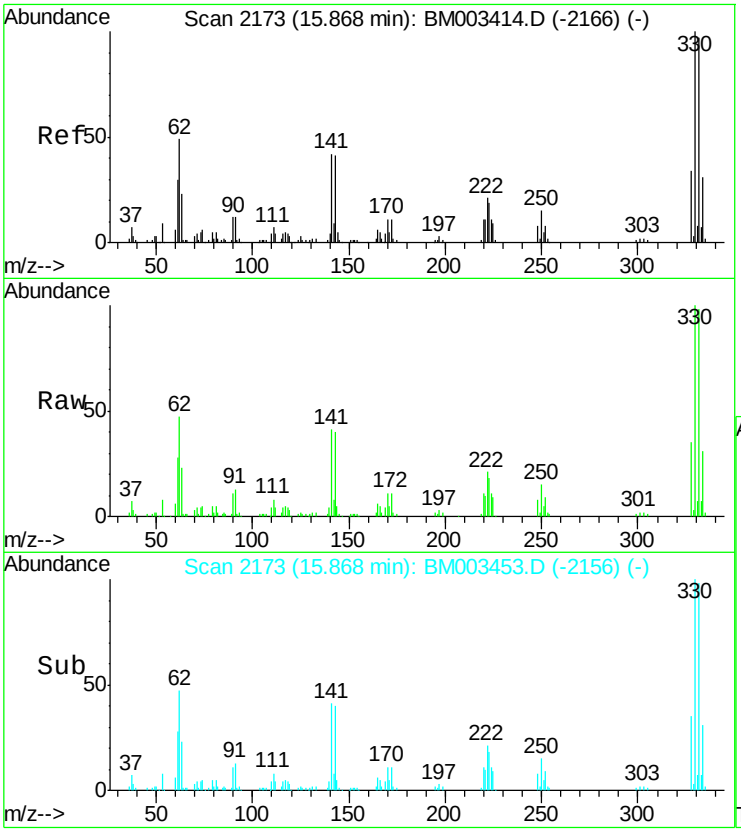




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.37 min Scan# 1919
Delta R.T. 0.00 min
Lab File: BM003453.D
Acq: 10 Dec 2015 15:32

Tgt Ion:164 Resp: 141737

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.4 | 82.4 | 123.6 |
| 160 | 45.9 | 35.8 | 53.6 |



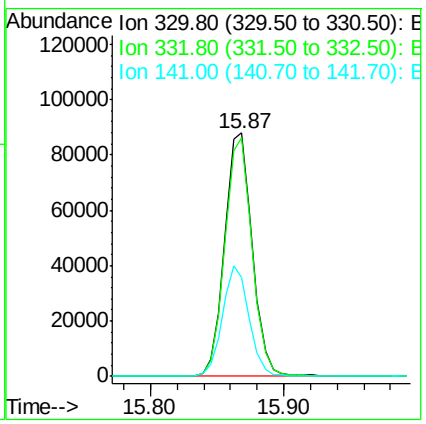


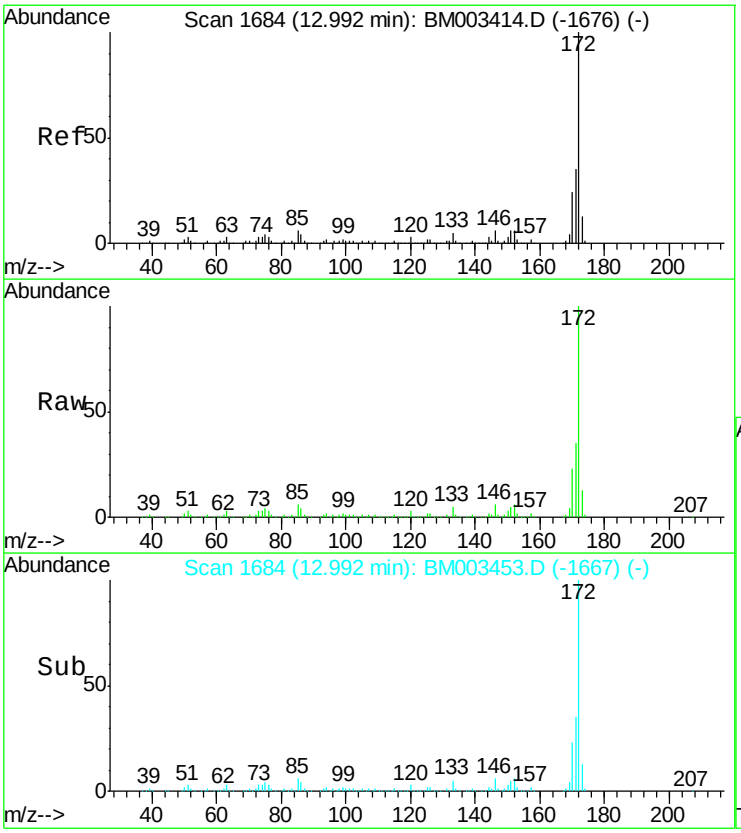

#41
2,4,6-Tribromophenol
Concen: 90.45 ng
RT: 15.87 min Scan# 2173
Delta R.T. 0.00 min
Lab File: BM003453.D
Acq: 10 Dec 2015 15:32

**Instrument :**
BNA_M
**ClientSampleId :**
SES-EFFLUENT-MS3

Tgt Ion:330 Resp: 128038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.4 | 0.0 | 0.0# |
| 141 | 43.5 | 0.0 | 0.0# |

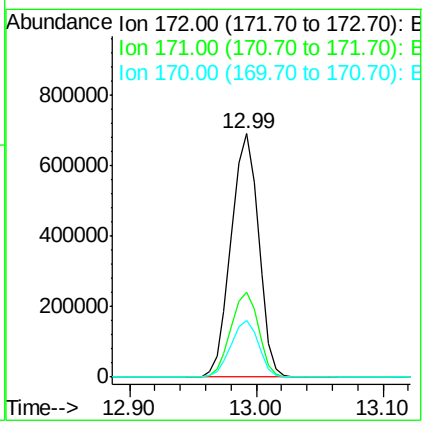


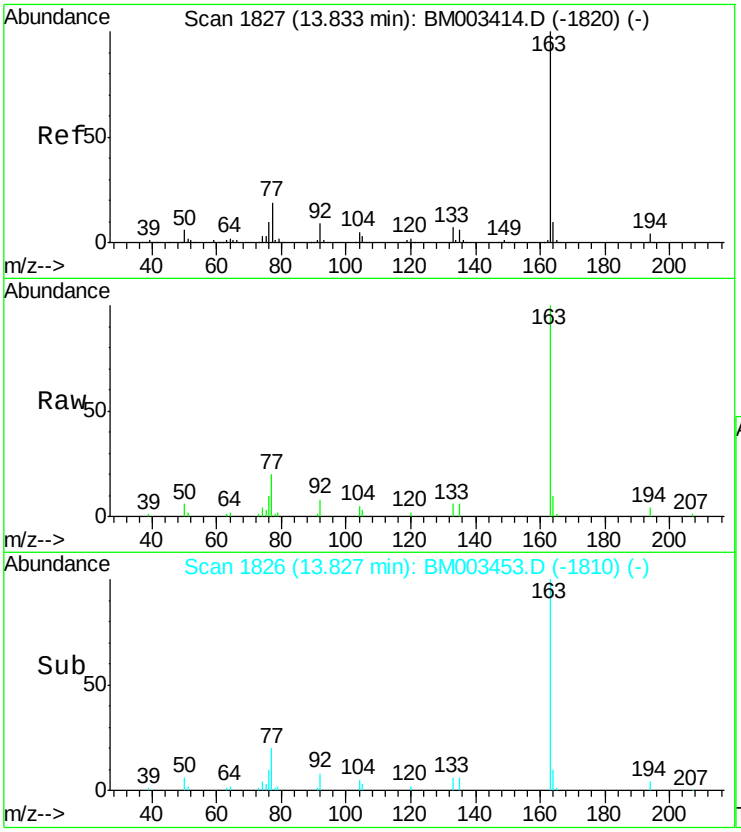




#44
2-Fluorobiphenyl
Concen: 99.62 ng
RT: 12.99 min Scan# 1684
Delta R.T. 0.00 min
Lab File: BM003453.D
Acq: 10 Dec 2015 15:32

Tgt Ion:172 Resp: 1036351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.7 | 28.5 | 42.7 |
| 170 | 23.5 | 18.8 | 28.2 |



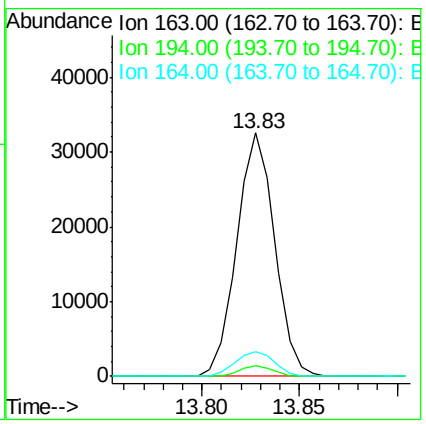


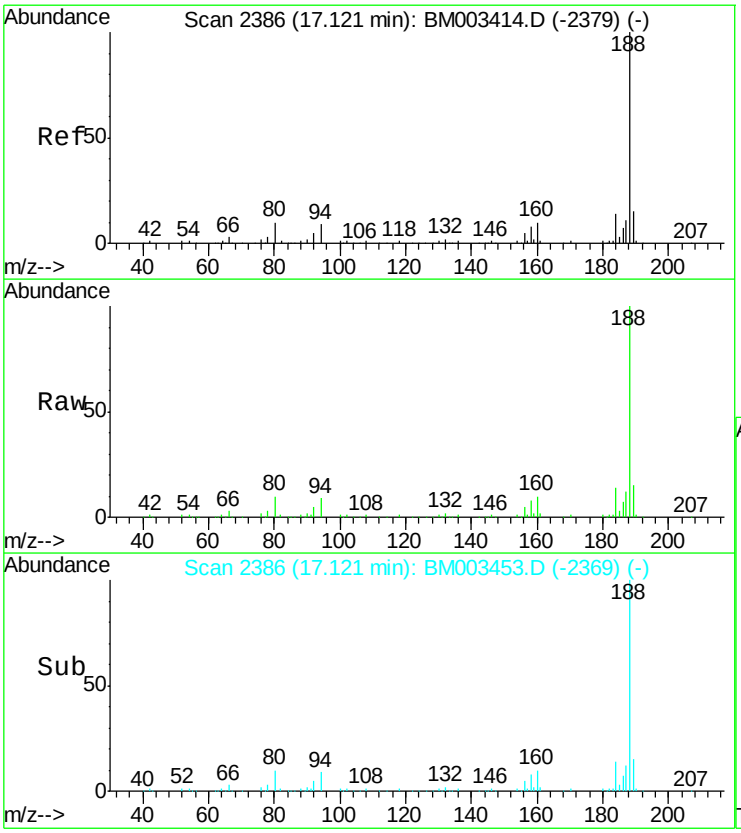

#49
Dimethylphthalate
Concen: 3.76 ng
RT: 13.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BM003453.D
Acq: 10 Dec 2015 15:32

**Instrument :**
BNA_M
**ClientSampleId :**
SES-EFFLUENT-MS3

Tgt Ion:163 Resp: 43868

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.2 | 2.7 | 4.1# |
| 164 | 10.0 | 8.2 | 12.2 |

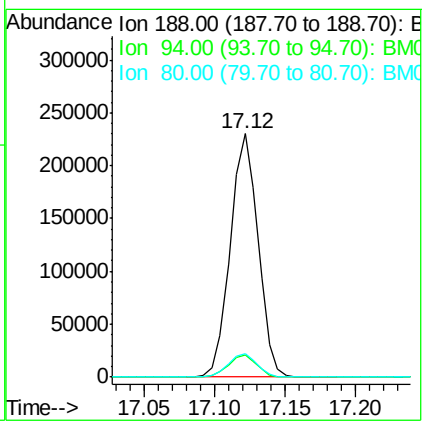


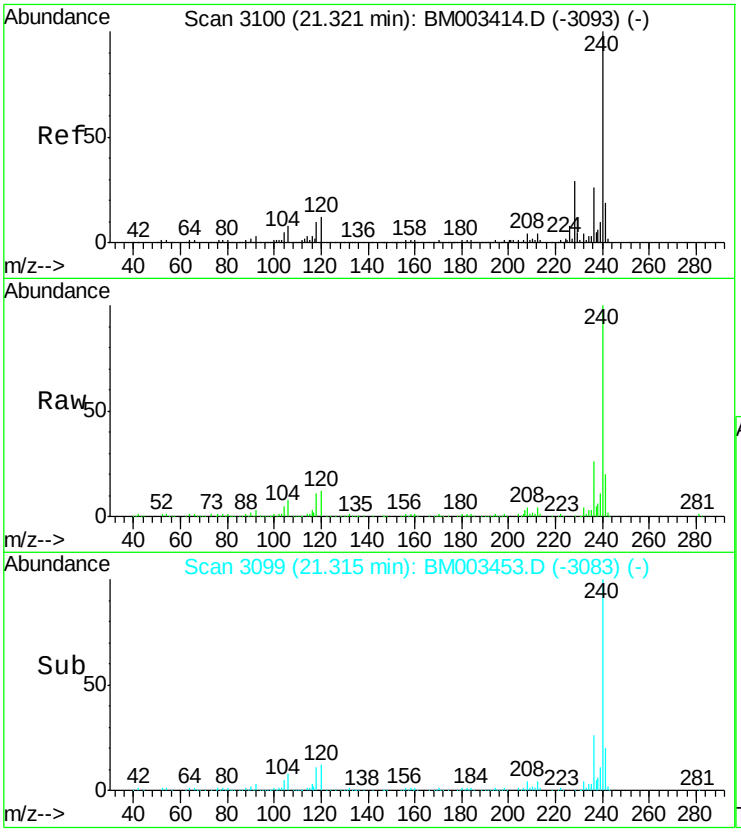




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.12 min Scan# 2386
Delta R.T. 0.00 min
Lab File: BM003453.D
Acq: 10 Dec 2015 15:32

Tgt Ion:188 Resp: 315967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.1 | 8.7 | 13.1 |
| 80 | 9.8 | 9.3 | 13.9 |



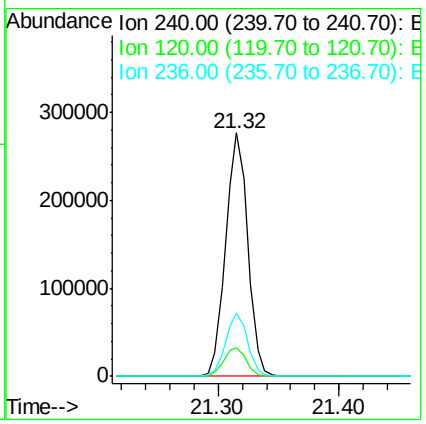


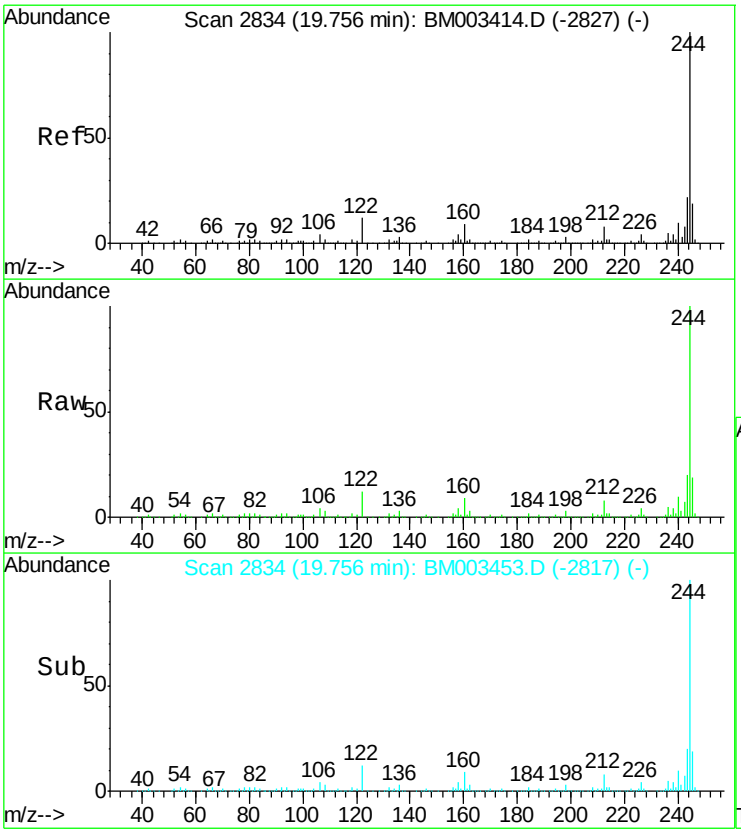

#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.32 min Scan# 3099
Delta R.T. -0.01 min
Lab File: BM003453.D
Acq: 10 Dec 2015 15:32

**Instrument :**
BNA_M
**ClientSampleId :**
SES-EFFLUENT-MS3

Tgt Ion:240 Resp: 351441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.7 | 8.2 | 12.2 |
| 236 | 26.1 | 20.0 | 30.0 |

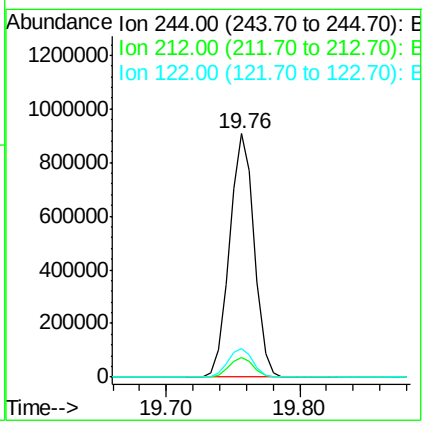


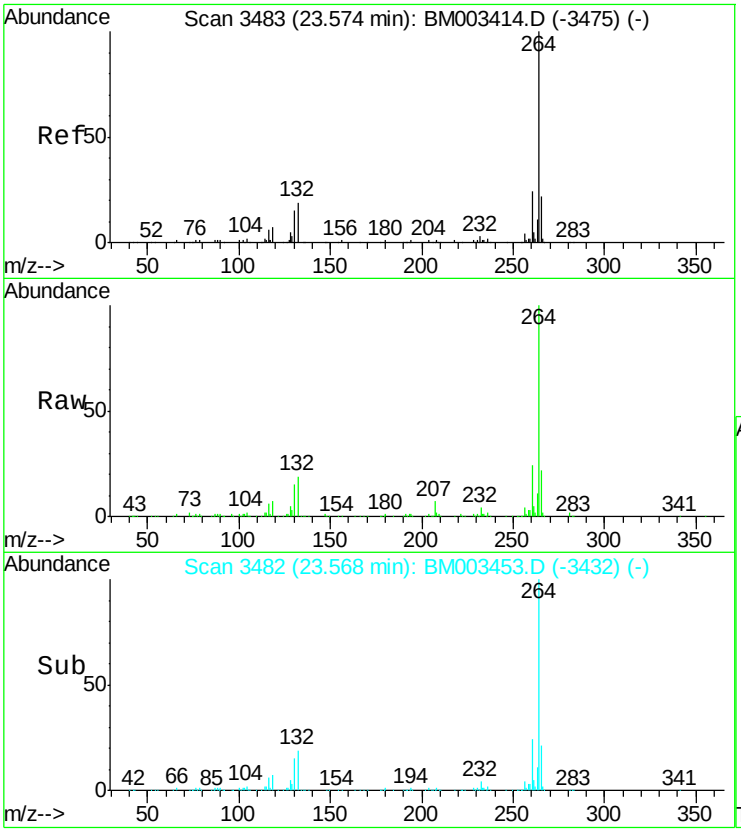




#78
Terphenyl-d14
Concen: 78.56 ng
RT: 19.76 min Scan# 2834
Delta R.T. 0.00 min
Lab File: BM003453.D
Acq: 10 Dec 2015 15:32

Tgt Ion:244 Resp: 1170739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.9 | 4.9 | 7.3# |
| 122 | 11.9 | 6.2 | 9.4# |






#86
Perylene-d12
Concen: 20.00 ng
RT: 23.57 min Scan# 3482
Delta R.T. -0.01 min
Lab File: BM003453.D
Acq: 10 Dec 2015 15:32

**Instrument :**
BNA_M
**ClientSampleId :**
SES-EFFLUENT-MS3

Tgt Ion:264 Resp: 343719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 18.6 | 27.8 |
| 265 | 21.6 | 17.3 | 25.9 |