Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM051117\
Data File : BM010010.D
Acq On : 12 May 2017 06:29
Operator : SJ/MA
Sample : I3079-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** LF001MW002-170509

Quant Time: May 12 08:06:43 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 11 19:50:16 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.76 | 152 | 52942 | 20.00 | ng | -0.02 |
| 21) Naphthalene-d8 | 10.56 | 136 | 218610 | 20.00 | ng | -0.02 |
| 38) Acenaphthene-d10 | 14.42 | 164 | 142440 | 20.00 | ng | -0.02 |
| 63) Phenanthrene-d10 | 17.17 | 188 | 381729 | 20.00 | ng | -0.03 |
| 75) Chrysene-d12 | 21.36 | 240 | 508948 | 20.00 | ng | -0.03 |
| 86) Perylene-d12 | 23.65 | 264 | 413848 | 20.00 | ng | -0.04 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.35 | 112 | 189960 | 56.15 | ng | -0.02 |
| 7) Phenol-d6 | 6.94 | 99 | 177701 | 32.78 | ng | -0.03 |
| 23) Nitrobenzene-d5 | 8.93 | 82 | 532982 | 89.10 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 15.92 | 330 | 308305 | 158.15 | ng | -0.02 |
| 44) 2-Fluorobiphenyl | 13.03 | 172 | 990176 | 92.96 | ng | -0.02 |
| 78) Terphenyl-d14 | 19.80 | 244 | 1992042 | 82.49 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 13) 1,4-Dichlorobenzene | 7.80 | 146 | 13232 | 3.15 | ng | # 83 |
| 49) Dimethylphthalate | 13.87 | 163 | 31370 | 2.50 | ng | # 94 |

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

Quantitation Report (LSC Reviewed)

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**Instrument :**
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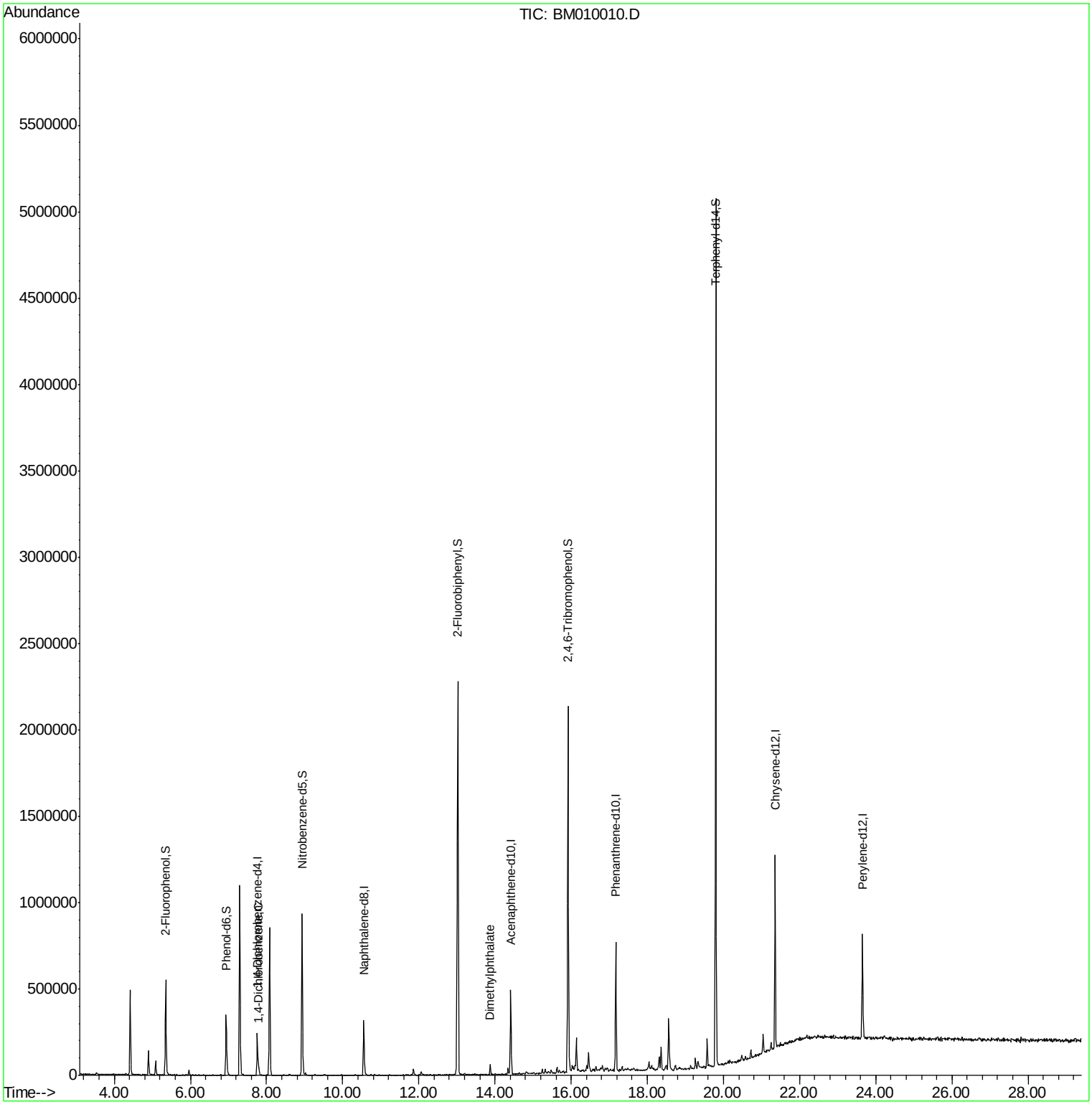
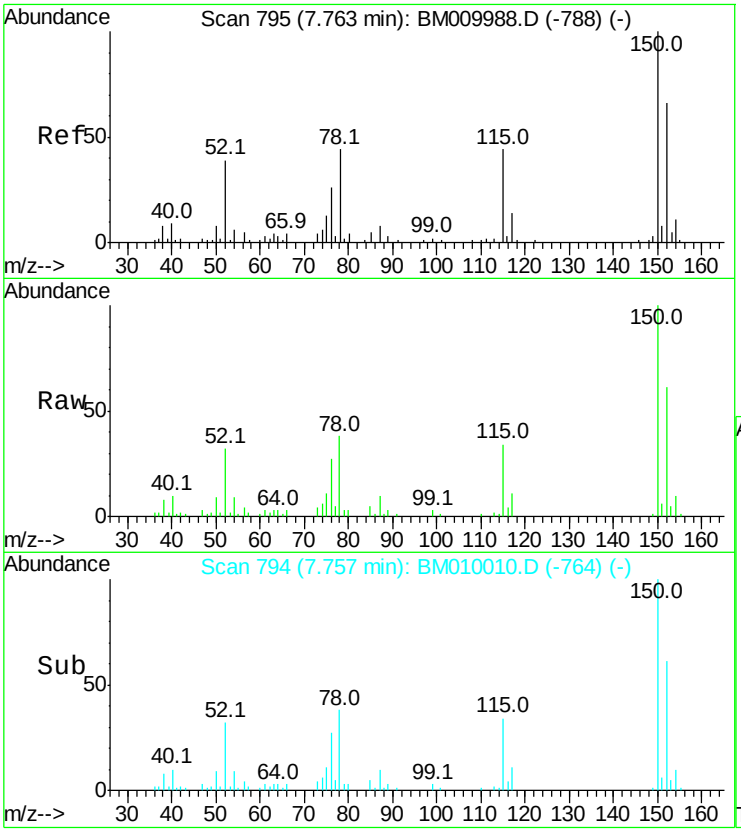


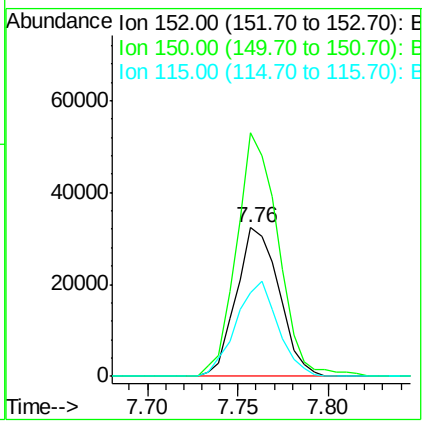


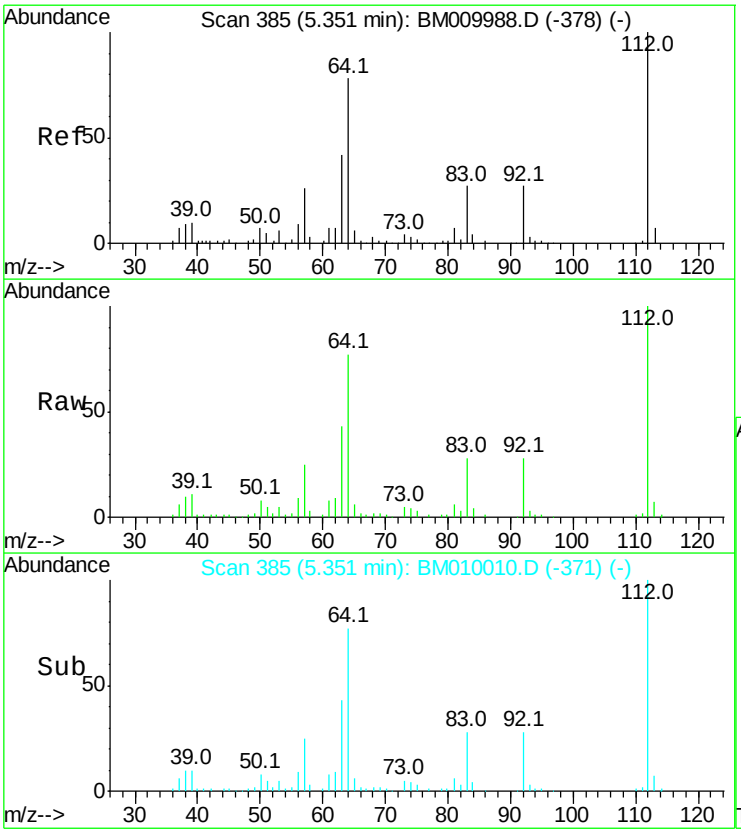

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.76 min Scan# 794
Delta R.T. -0.02 min
Lab File: BM010010.D
Acq: 12 May 2017 06:29

**Instrument :**
BNA_M
**ClientSampleId :**
LF001MW002-170509

Tgt Ion:152 Resp: 52942

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 164.2 | 119.5 | 179.3 |
| 115 | 56.5 | 43.0 | 64.4 |

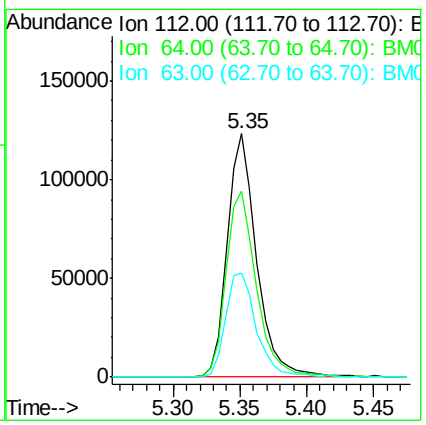


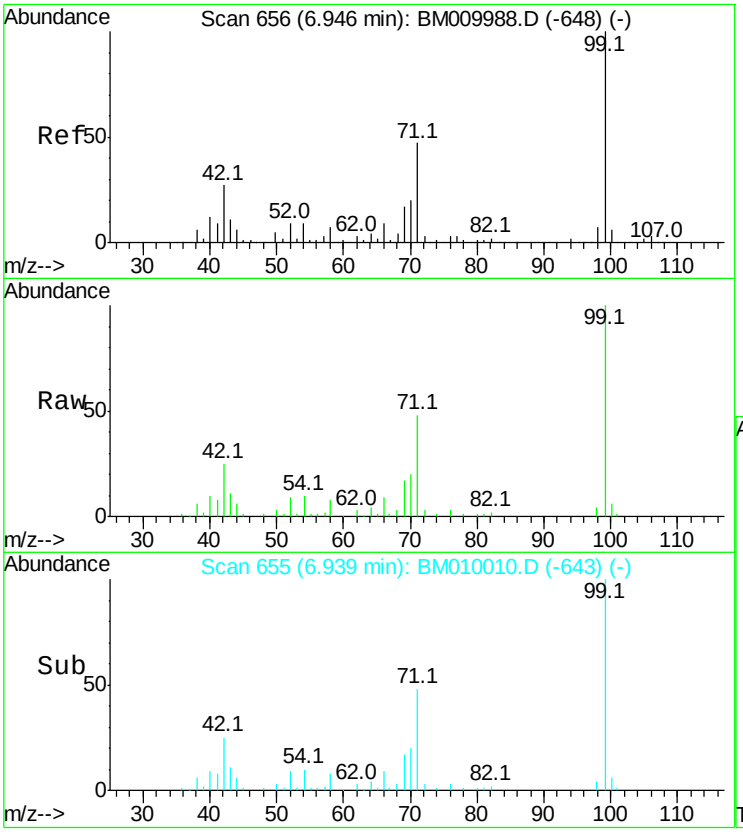




#5
2-Fluorophenol
Concen: 56.15 ng
RT: 5.35 min Scan# 385
Delta R.T. -0.02 min
Lab File: BM010010.D
Acq: 12 May 2017 06:29

Tgt Ion:112 Resp: 189960

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 76.6 | 38.6 | 57.8# |
| 63 | 42.8 | 19.3 | 28.9# |



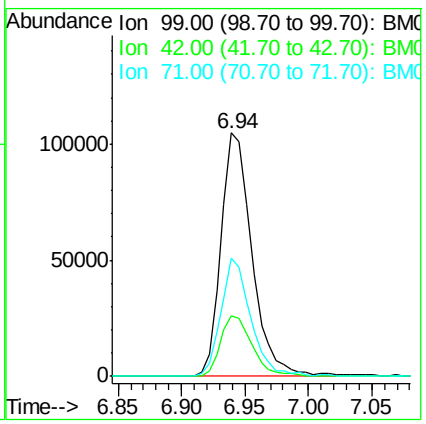


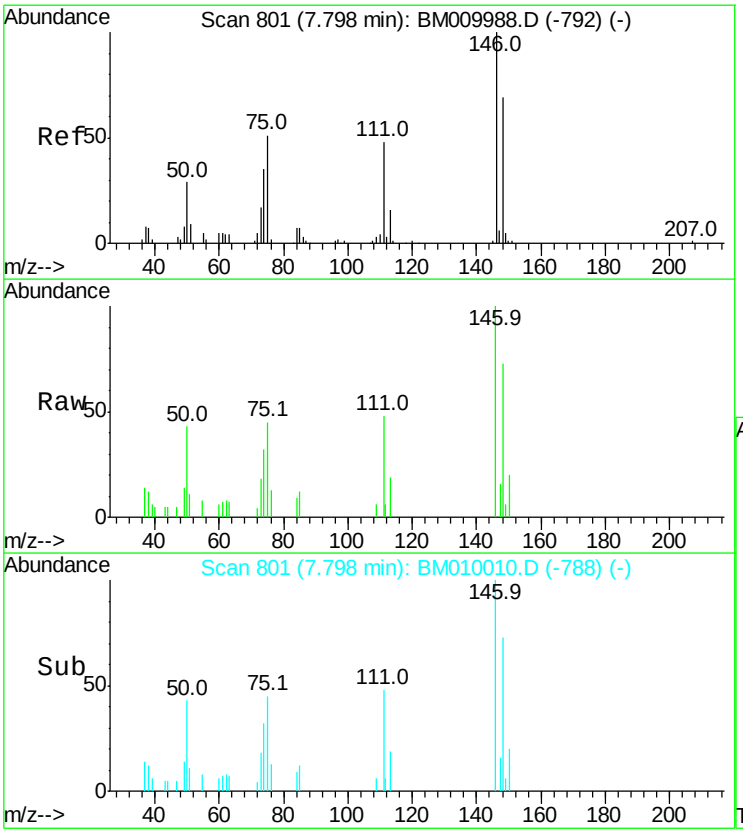

#7
Phenol-d6
Concen: 32.78 ng
RT: 6.94 min Scan# 655
Delta R.T. -0.03 min
Lab File: BM010010.D
Acq: 12 May 2017 06:29

**Instrument :**
BNA_M
**ClientSampleId :**
LF001MW002-170509

Tgt Ion: 99 Resp: 177701

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 24.9 | 11.0 | 16.4# |
| 71 | 48.3 | 23.4 | 35.2# |

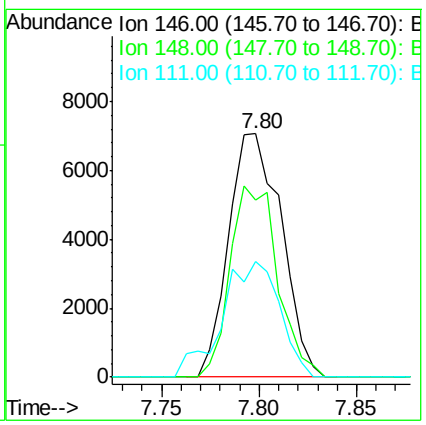


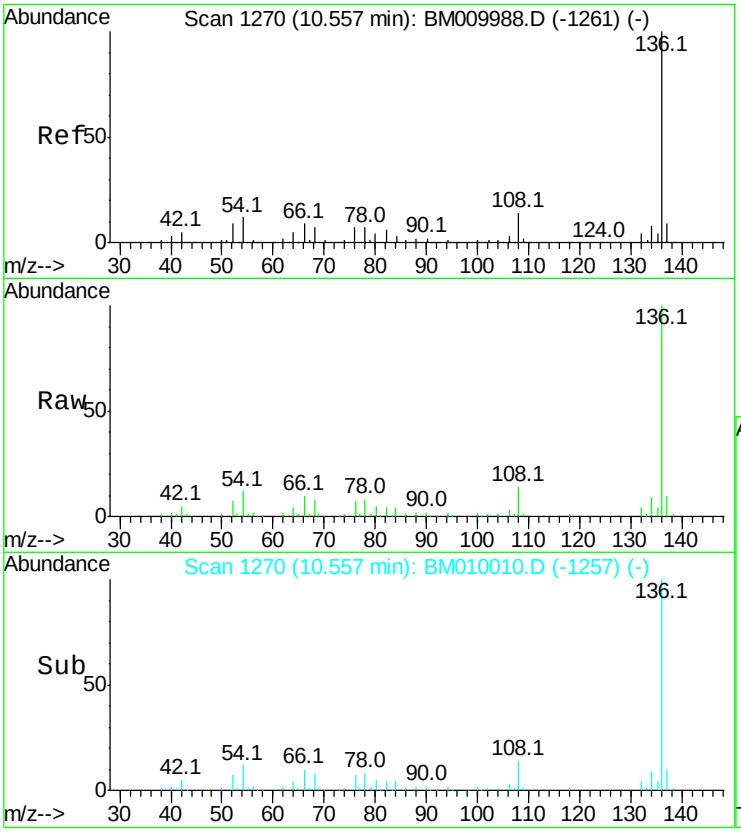




#13
1,4-Dichlorobenzene
Concen: 3.15 ng
RT: 7.80 min Scan# 801
Delta R.T. -0.02 min
Lab File: BM010010.D
Acq: 12 May 2017 06:29

Tgt Ion:146 Resp: 13232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 146 | 100 | | |
| 148 | 72.5 | 51.9 | 77.9 |
| 111 | 53.5 | 29.2 | 43.8# |



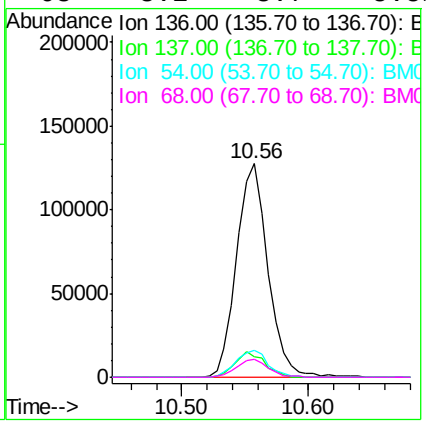


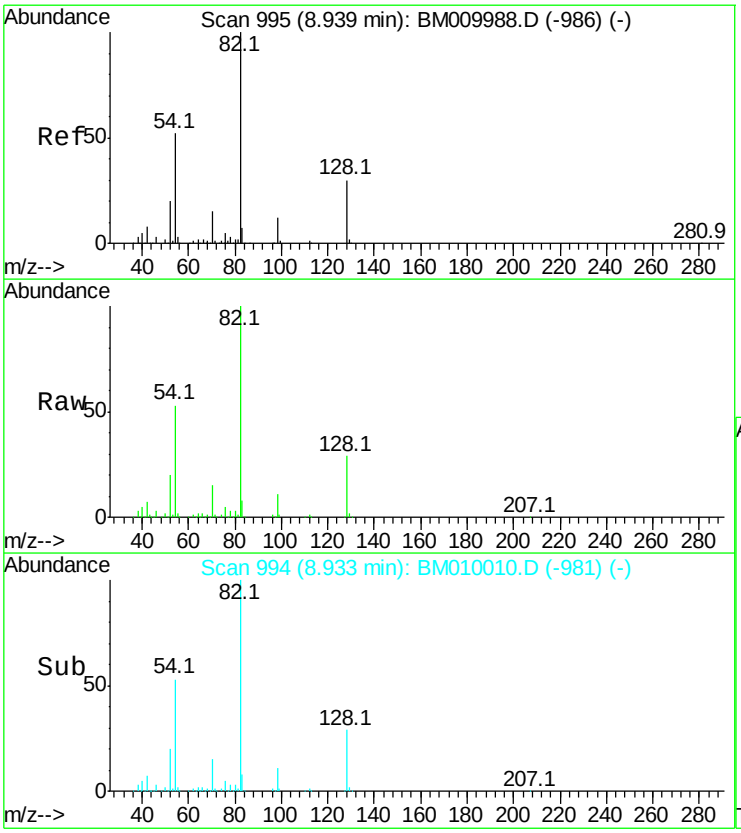

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BM010010.D
Acq: 12 May 2017 06:29

**Instrument :**
BNA_M
**ClientSampleId :**
LF001MW002-170509

Tgt Ion:136 Resp: 218610

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 9.9 | 8.7 | 13.1 |
| 54 | 12.4 | 4.6 | 6.8# |
| 68 | 8.2 | 3.7 | 5.5# |

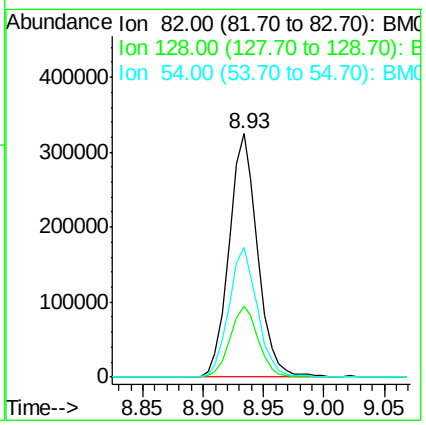


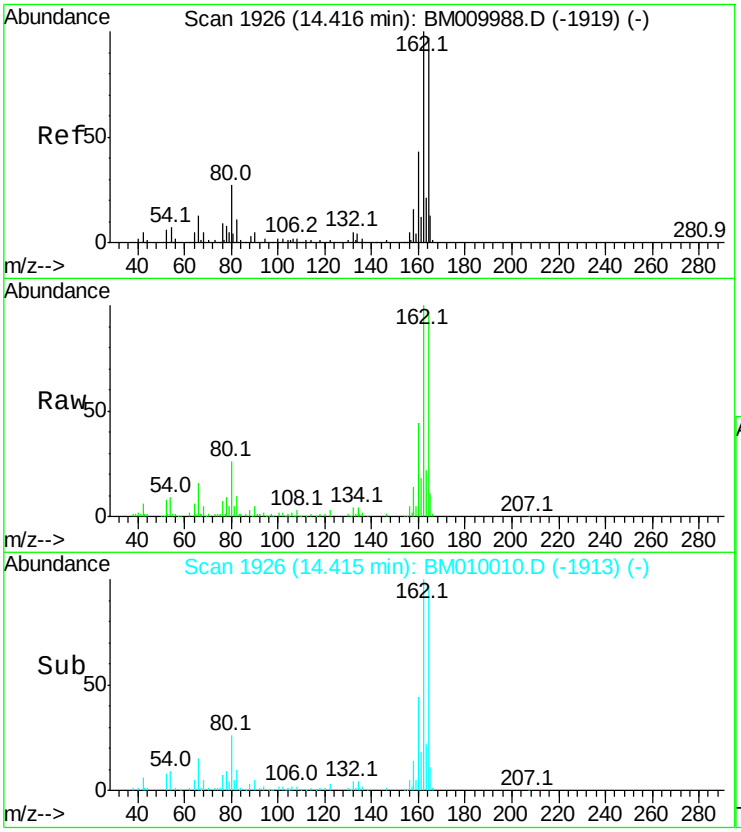




#23
Nitrobenzene-d5
Concen: 89.10 ng
RT: 8.93 min Scan# 994
Delta R.T. -0.02 min
Lab File: BM010010.D
Acq: 12 May 2017 06:29

Tgt Ion: 82 Resp: 532982

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 28.8 | 32.8 | 49.2# |
| 54 | 53.0 | 40.6 | 60.8 |



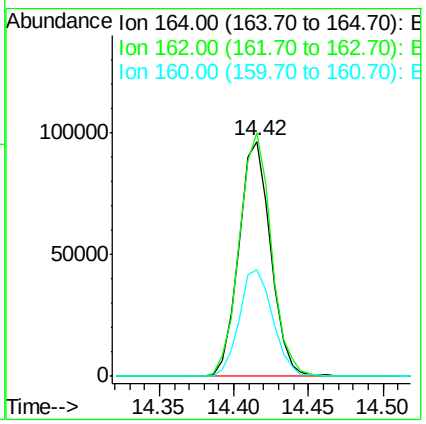


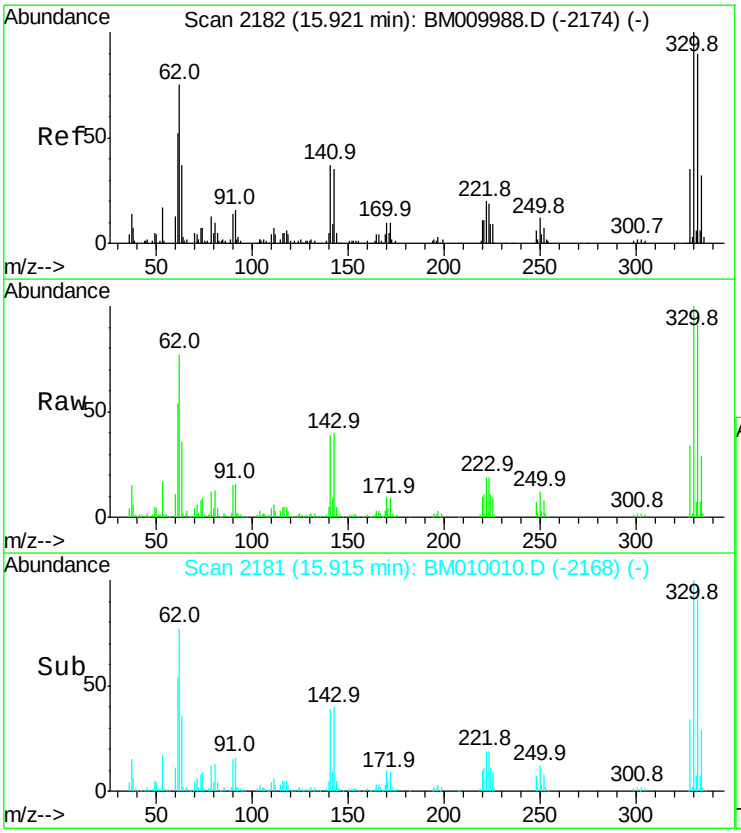

#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.42 min Scan# 1926
Delta R.T. -0.02 min
Lab File: BM010010.D
Acq: 12 May 2017 06:29

**Instrument :**
BNA_M
**ClientSampleId :**
LF001MW002-170509

Tgt Ion:164 Resp: 142440

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.6 | 82.4 | 123.6 |
| 160 | 45.2 | 35.8 | 53.6 |

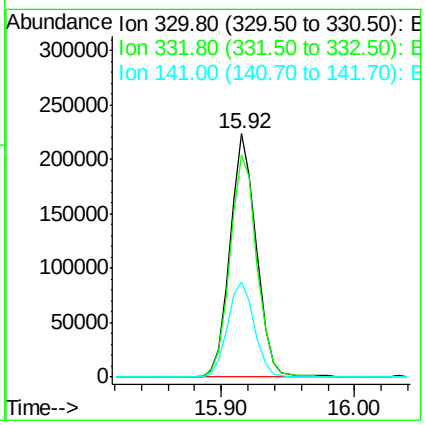


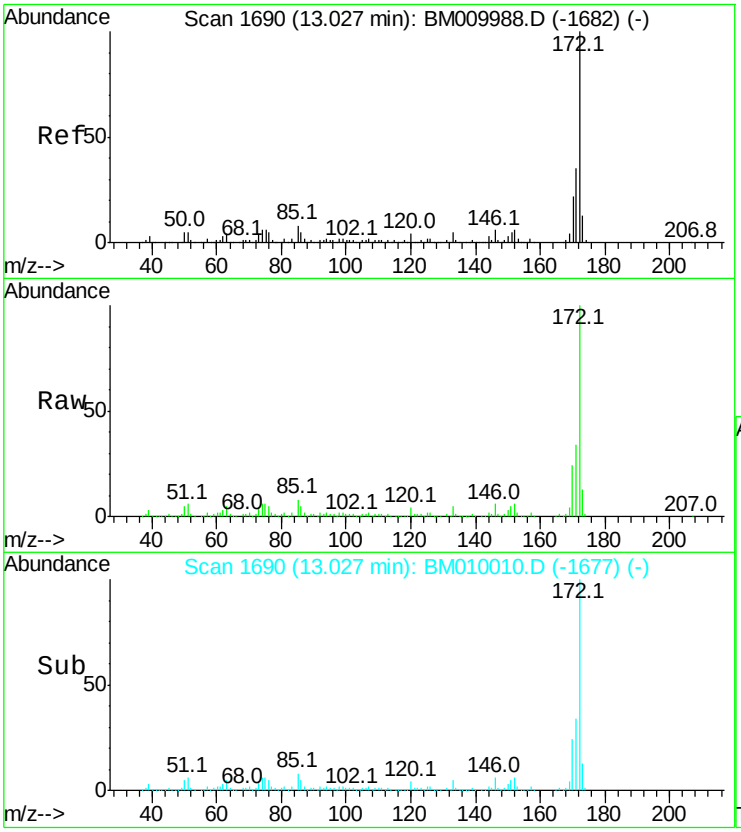




#41
2,4,6-Tribromophenol
Concen: 158.15 ng
RT: 15.92 min Scan# 2181
Delta R.T. -0.02 min
Lab File: BM010010.D
Acq: 12 May 2017 06:29

Tgt Ion:330 Resp: 308305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 93.8 | 0.0 | 0.0# |
| 141 | 40.3 | 0.0 | 0.0# |



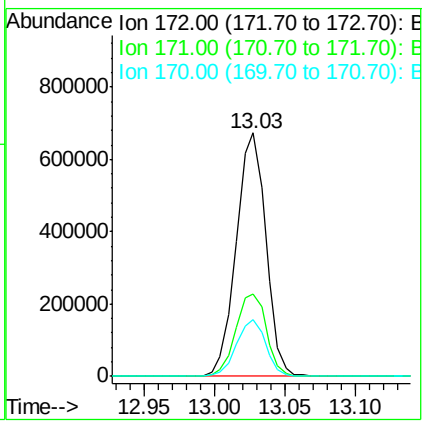


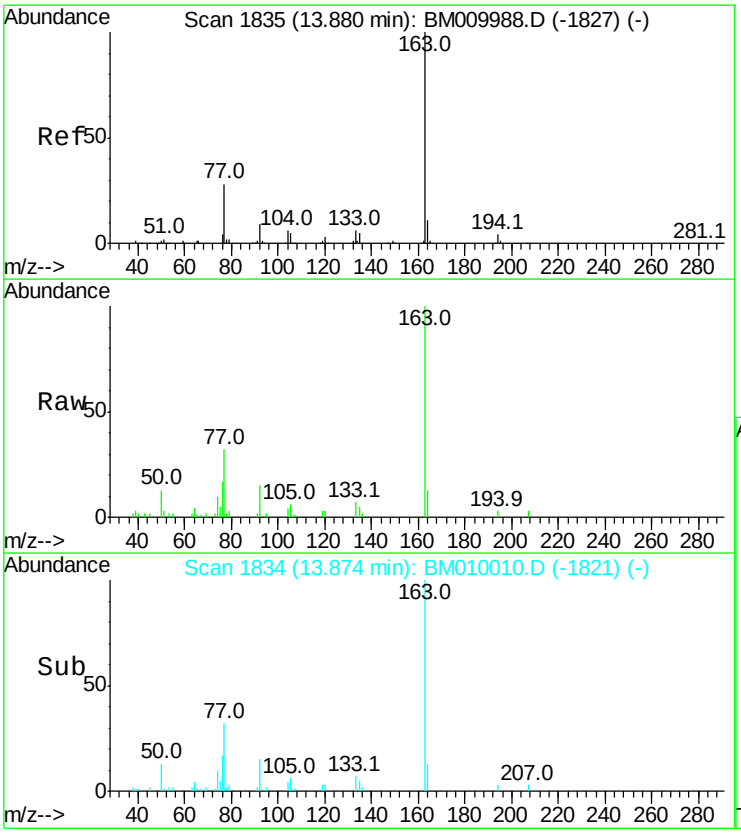

#44
2-Fluorobiphenyl
Concen: 92.96 ng
RT: 13.03 min Scan# 1690
Delta R.T. -0.02 min
Lab File: BM010010.D
Acq: 12 May 2017 06:29

**Instrument :**
BNA_M
**ClientSampleId :**
LF001MW002-170509

Tgt Ion:172 Resp: 990176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.0 | 28.5 | 42.7 |
| 170 | 23.5 | 18.8 | 28.2 |

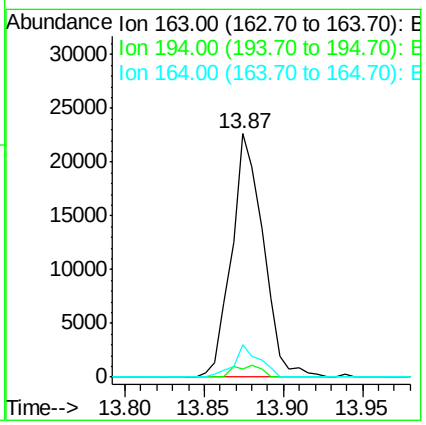


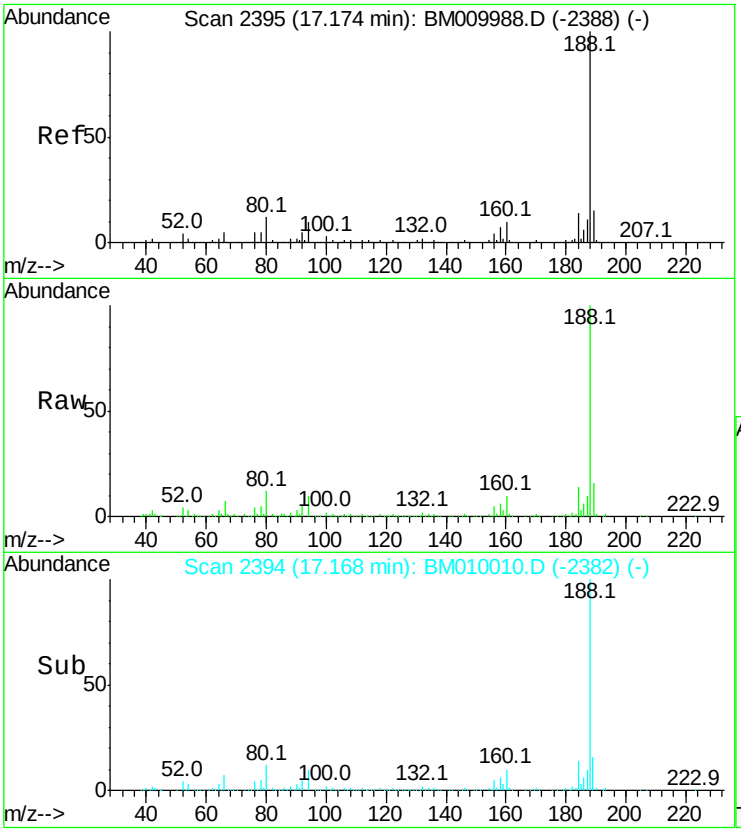




#49
Dimethylphthalate
Concen: 2.50 ng
RT: 13.87 min Scan# 1834
Delta R.T. -0.02 min
Lab File: BM010010.D
Acq: 12 May 2017 06:29

Tgt Ion:163 Resp: 31370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.3 | 2.7 | 4.1 |
| 164 | 13.4 | 8.2 | 12.2# |



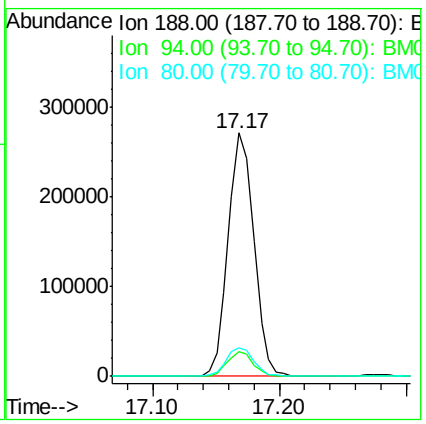


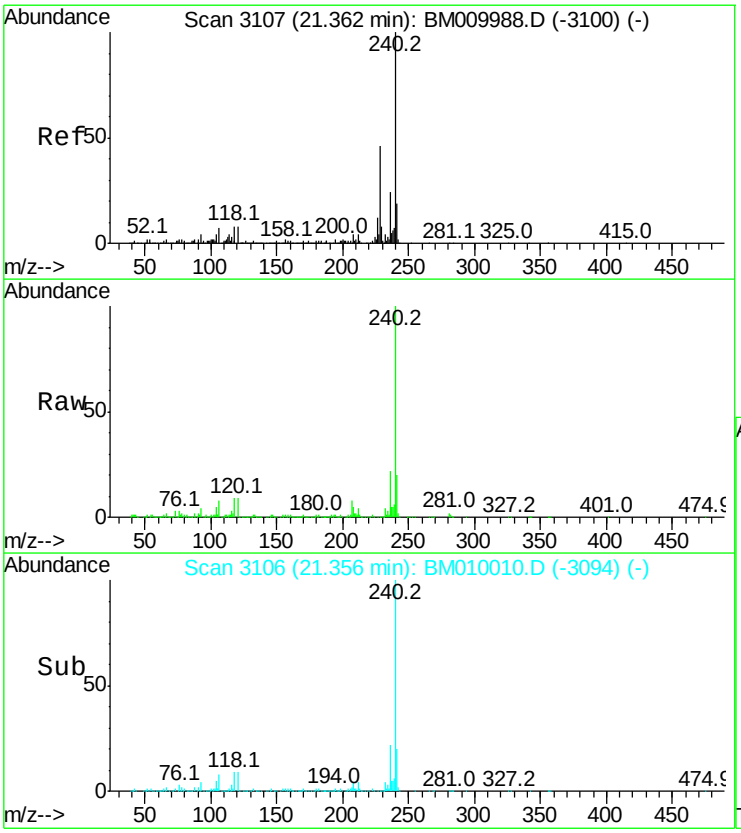

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.17 min Scan# 2394
Delta R.T. -0.03 min
Lab File: BM010010.D
Acq: 12 May 2017 06:29

**Instrument :**
BNA_M
**ClientSampleId :**
LF001MW002-170509

Tgt Ion:188 Resp: 381729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 8.7 | 13.1 |
| 80 | 11.5 | 9.3 | 13.9 |

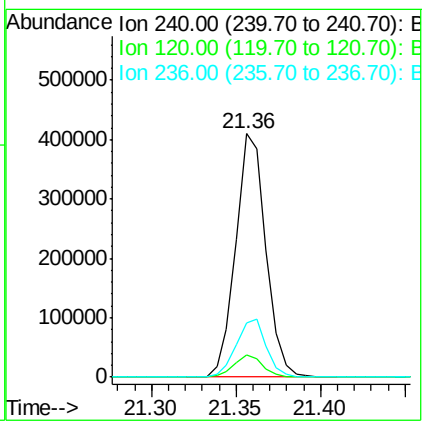


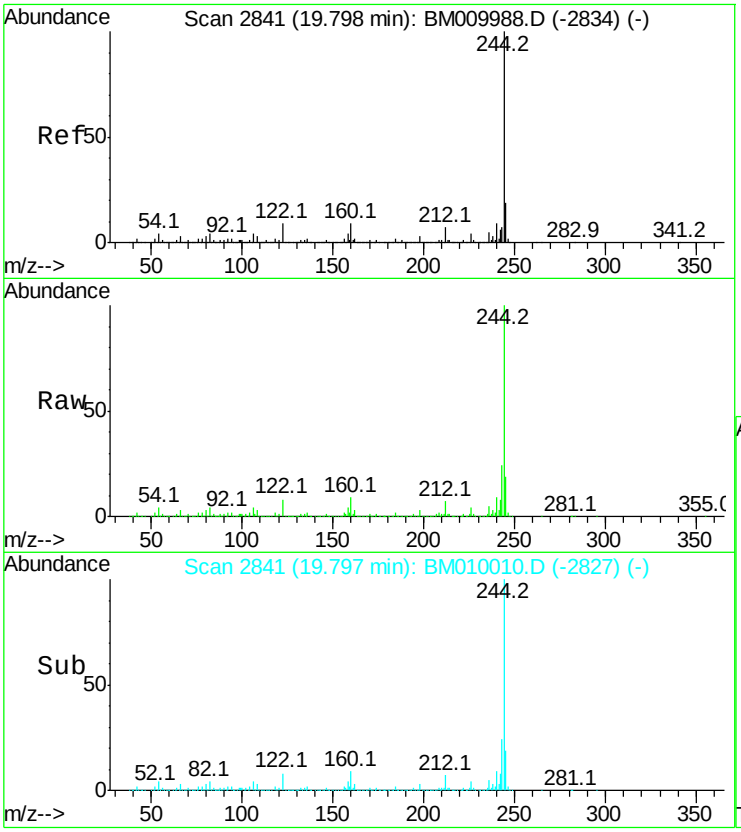




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.36 min Scan# 3106
Delta R.T. -0.03 min
Lab File: BM010010.D
Acq: 12 May 2017 06:29

Tgt Ion:240 Resp: 508948

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.0 | 8.2 | 12.2 |
| 236 | 22.3 | 20.0 | 30.0 |



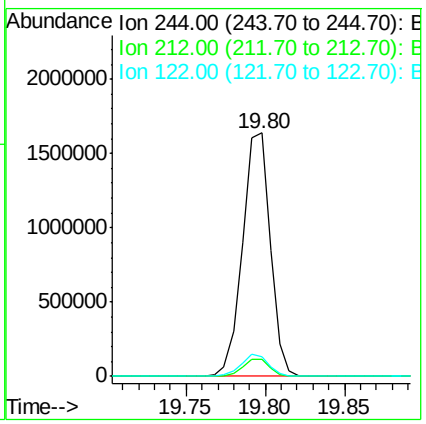


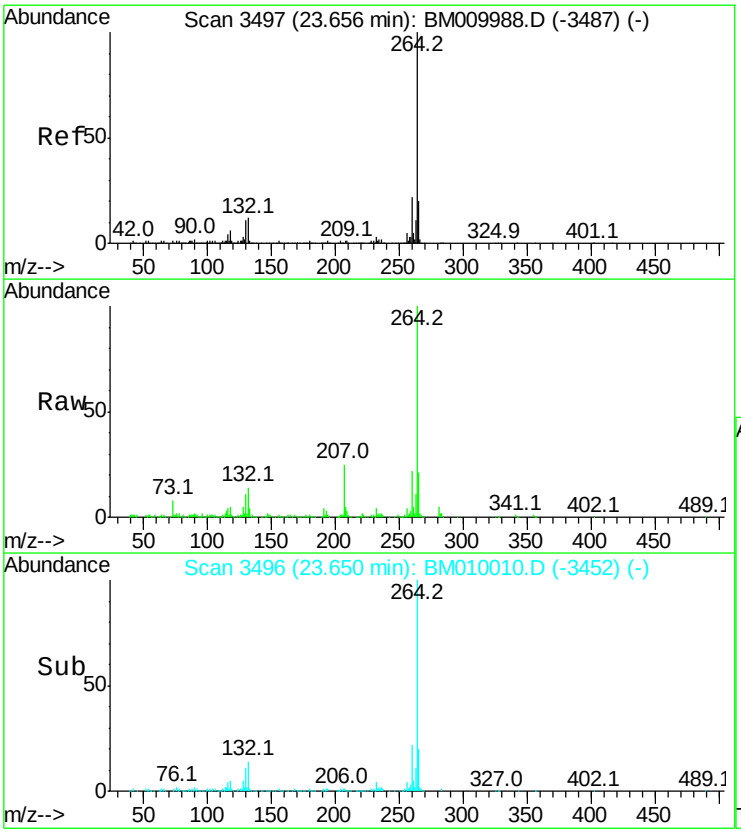

#78
Terphenyl-d14
Concen: 82.49 ng
RT: 19.80 min Scan# 2841
Delta R.T. -0.02 min
Lab File: BM010010.D
Acq: 12 May 2017 06:29

**Instrument :**
BNA_M
**ClientSampleId :**
LF001MW002-170509

Tgt Ion:244 Resp: 1992042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 4.9 | 7.3 |
| 122 | 7.9 | 6.2 | 9.4 |




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.65 min Scan# 3496
Delta R.T. -0.04 min
Lab File: BM010010.D
Acq: 12 May 2017 06:29

Tgt Ion:264 Resp: 413848

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 22.3 | 18.6 | 27.8 |
| 265 | 20.9 | 17.3 | 25.9 |