Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\Data\BM032917\
Data File : BM009448.D
Acq On : 30 Mar 2017 13:03
Operator : SJ/MA
Sample : I2437-03DL 25X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Mar 30 14:06:10 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 22 16:43:02 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.85 | 152 | 108330 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.65 | 136 | 410764 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.49 | 164 | 234615 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 17.24 | 188 | 580831 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 21.42 | 240 | 780626 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 23.74 | 264 | 741755 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.43 | 112 | 8560 | 1.32 | ng | | 0.00 |
| 7) Phenol-d6 | 7.01 | 99 | 7492 | 0.85 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 9.02 | 82 | 21849 | 1.99 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 15.99 | 330 | 6036 | 2.07 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 13.11 | 172 | 45377 | 2.33 | ng | | -0.01 |
| 78) Terphenyl-d14 | 19.86 | 244 | 64463 | 1.73 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 31) Naphthalene | 10.70 | 128 | 2130336 | 97.71 | ng | | 100 |
| 37) 2-Methylnaphthalene | 12.31 | 142 | 80559 | 5.35 | ng | # | 92 |
| 51) Acenaphthene | 14.56 | 154 | 64856 | 4.35 | ng | | 92 |
| 54) Dibenzofuran | 14.89 | 168 | 72154 | 3.27 | ng | | 96 |

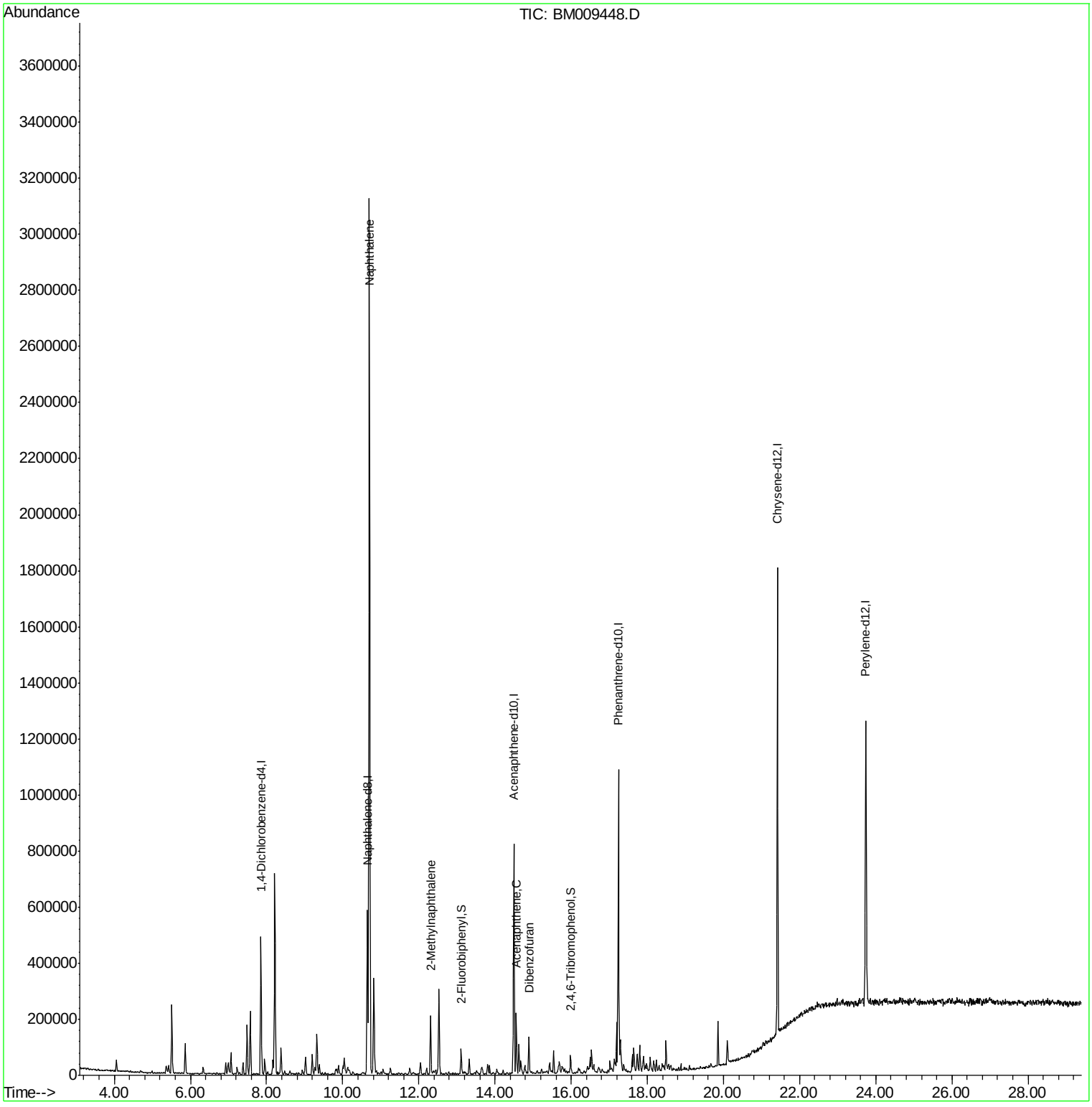
(#) = qualifier out of range (m) = manual integration (+) = signals summed

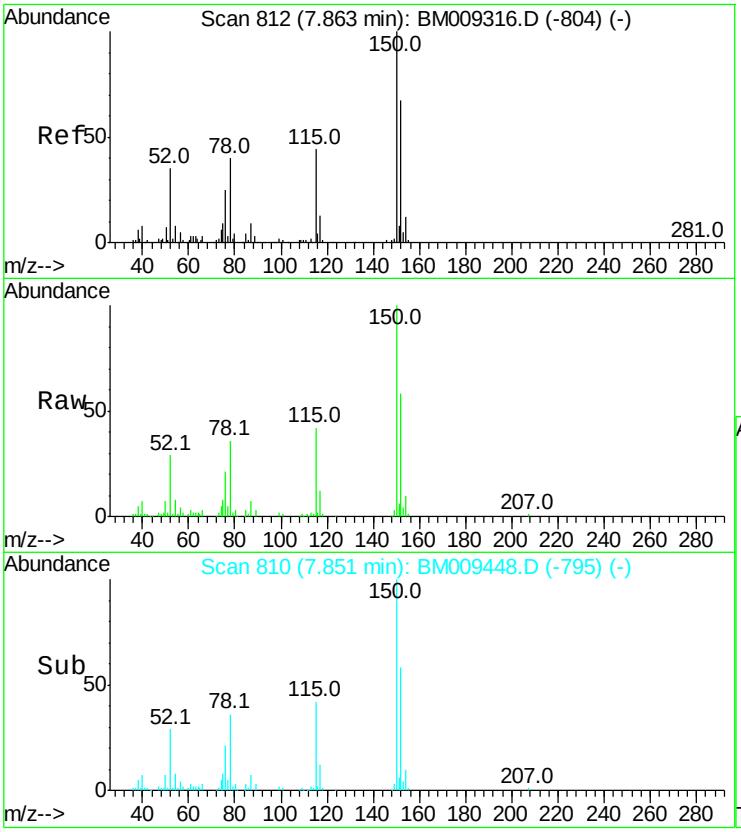
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\Data\BM032917\
Data File : BM009448.D
Acq On : 30 Mar 2017 13:03
Operator : SJ/MA
Sample : I2437-03DL 25X
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Mar 30 14:06:10 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 22 16:43:02 2017
Response via : Initial Calibration



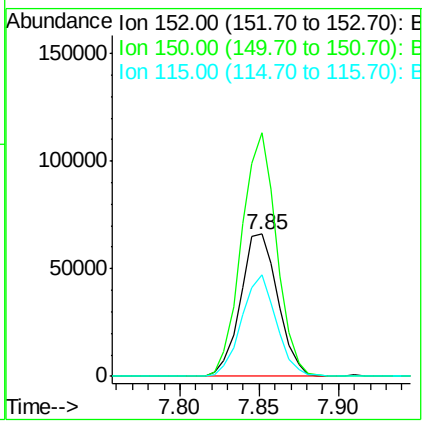


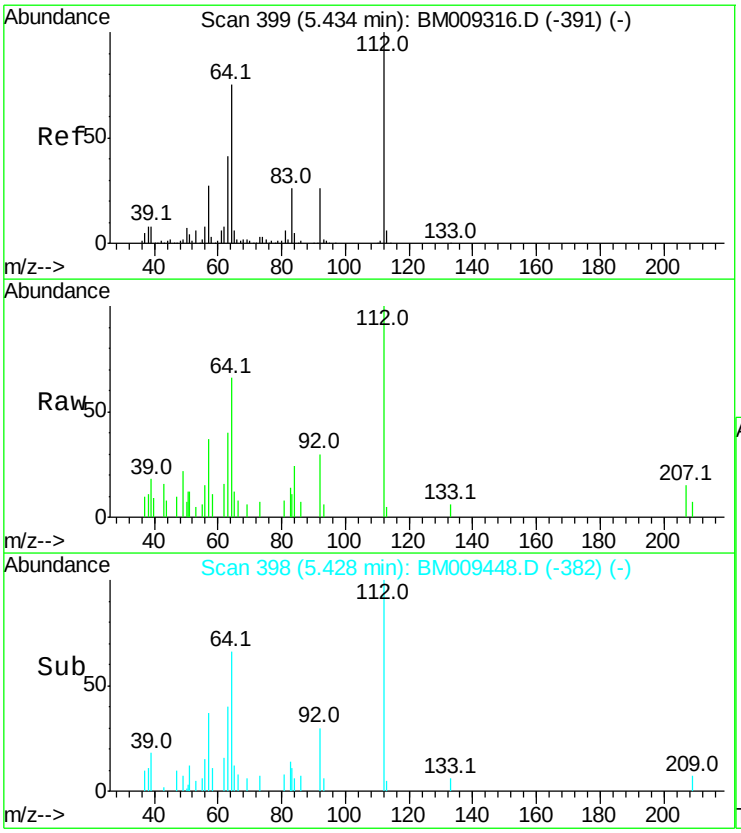

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BM009448.D
Acq: 30 Mar 2017 13:03

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

Tgt Ion:152 Resp: 108330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 171.3 | 119.5 | 179.3 |
| 115 | 71.6 | 43.0 | 64.4# |

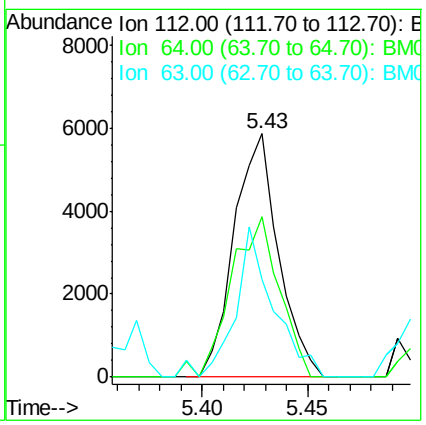


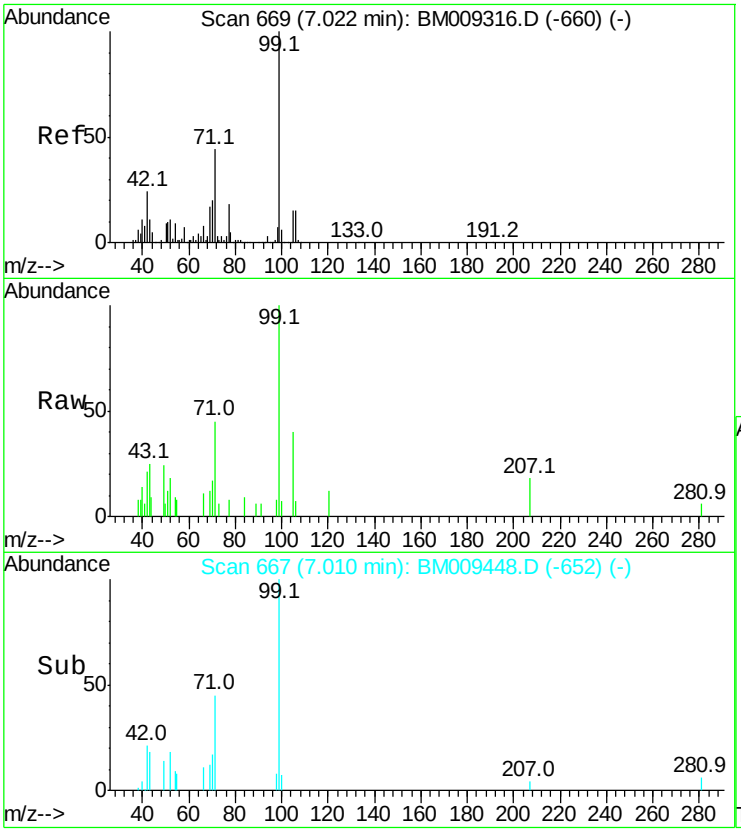




#5
2-Fluorophenol
Concen: 1.32 ng
RT: 5.43 min Scan# 398
Delta R.T. -0.01 min
Lab File: BM009448.D
Acq: 30 Mar 2017 13:03

Tgt Ion:112 Resp: 8560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 65.7 | 38.6 | 57.8# |
| 63 | 40.0 | 19.3 | 28.9# |



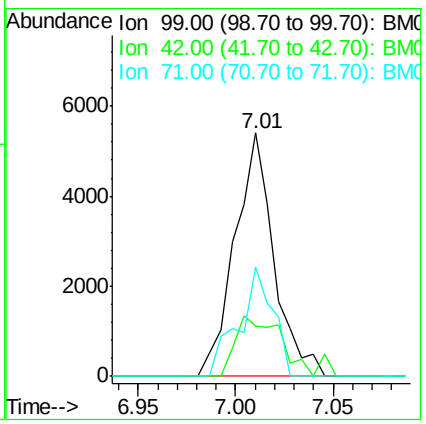


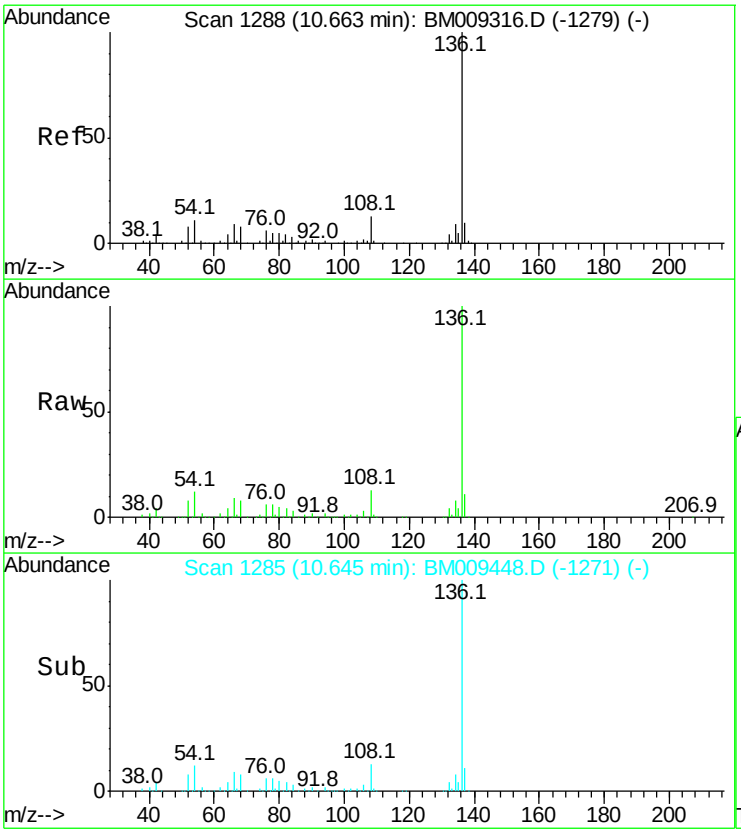

#7
Phenol-d6
Concen: 0.85 ng
RT: 7.01 min Scan# 667
Delta R.T. -0.01 min
Lab File: BM009448.D
Acq: 30 Mar 2017 13:03

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

Tgt Ion: 99 Resp: 7492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.9 | 11.0 | 16.4# |
| 71 | 44.7 | 23.4 | 35.2# |

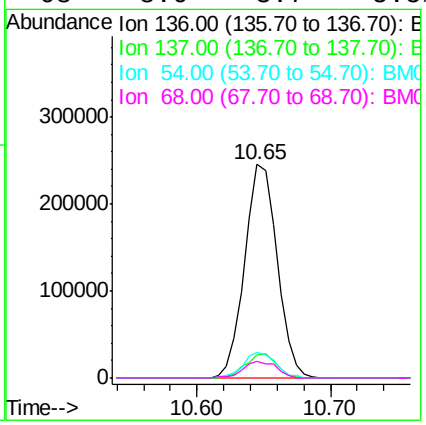


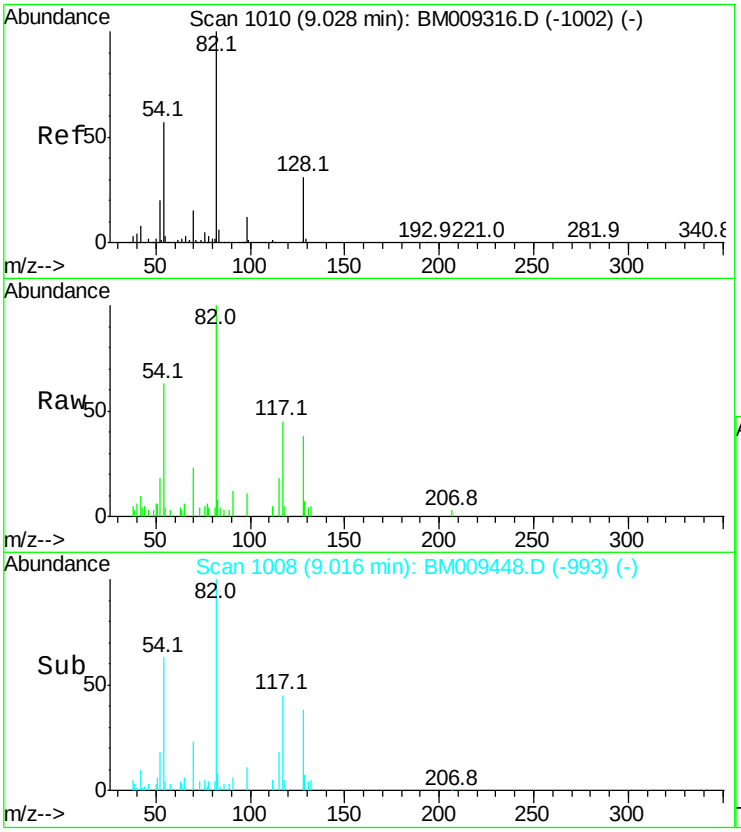




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.65 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BM009448.D
Acq: 30 Mar 2017 13:03

Tgt Ion:136 Resp: 410764

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.7 | 13.1 |
| 54 | 12.3 | 4.6 | 6.8# |
| 68 | 8.0 | 3.7 | 5.5# |



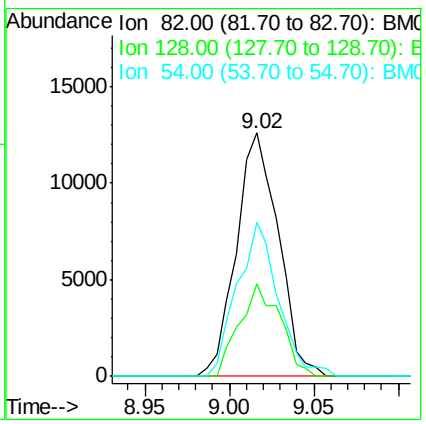


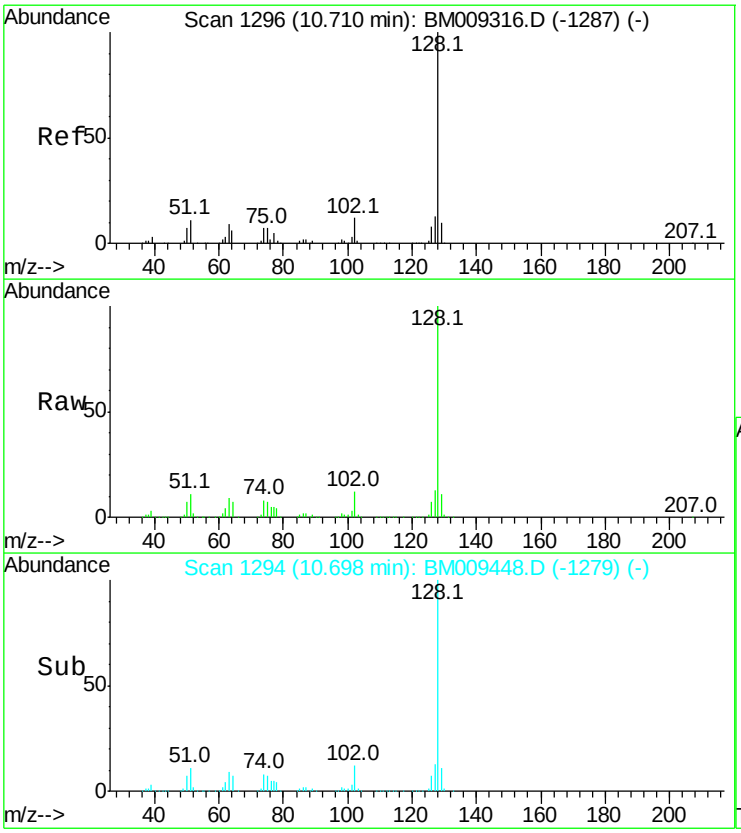

#23
Nitrobenzene-d5
Concen: 1.99 ng
RT: 9.02 min Scan# 1008
Delta R.T. -0.01 min
Lab File: BM009448.D
Acq: 30 Mar 2017 13:03

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

Tgt Ion: 82 Resp: 21849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 38.2 | 32.8 | 49.2 |
| 54 | 63.0 | 40.6 | 60.8# |

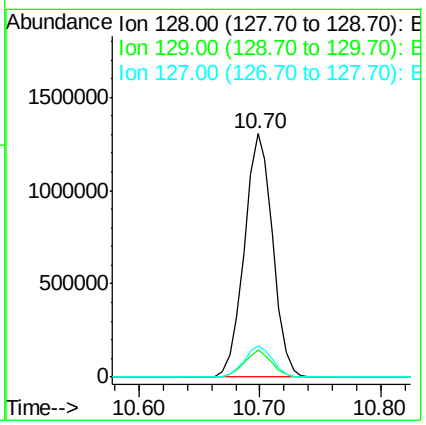


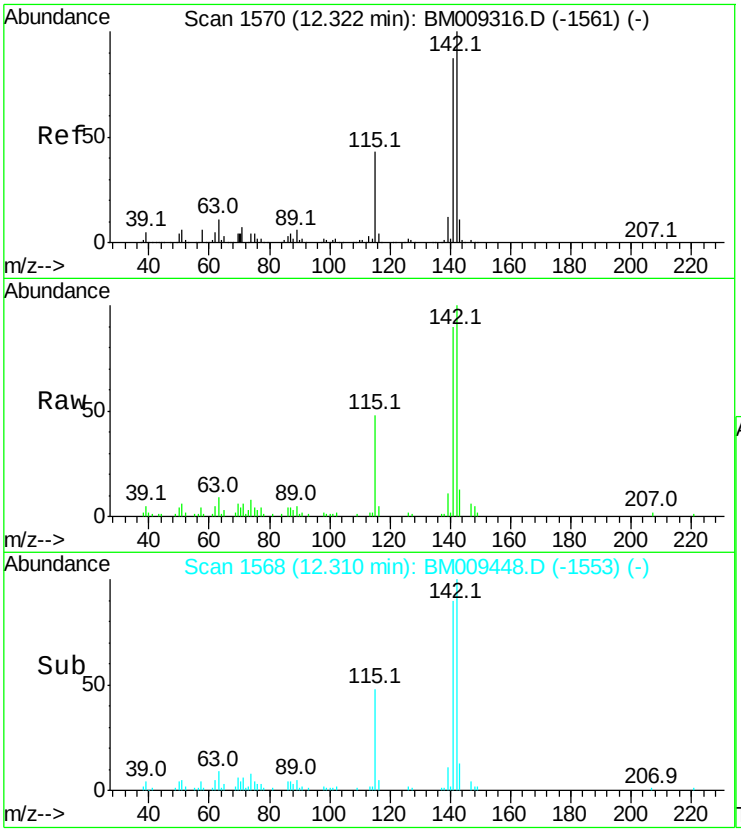




#31
Naphthalene
Concen: 97.71 ng
RT: 10.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BM009448.D
Acq: 30 Mar 2017 13:03

Tgt Ion:128 Resp: 2130336

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 8.9 | 13.3 |
| 127 | 13.0 | 10.4 | 15.6 |



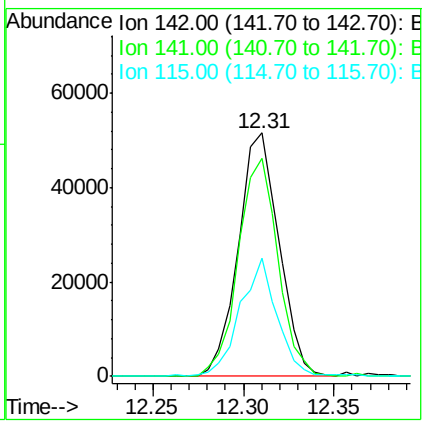


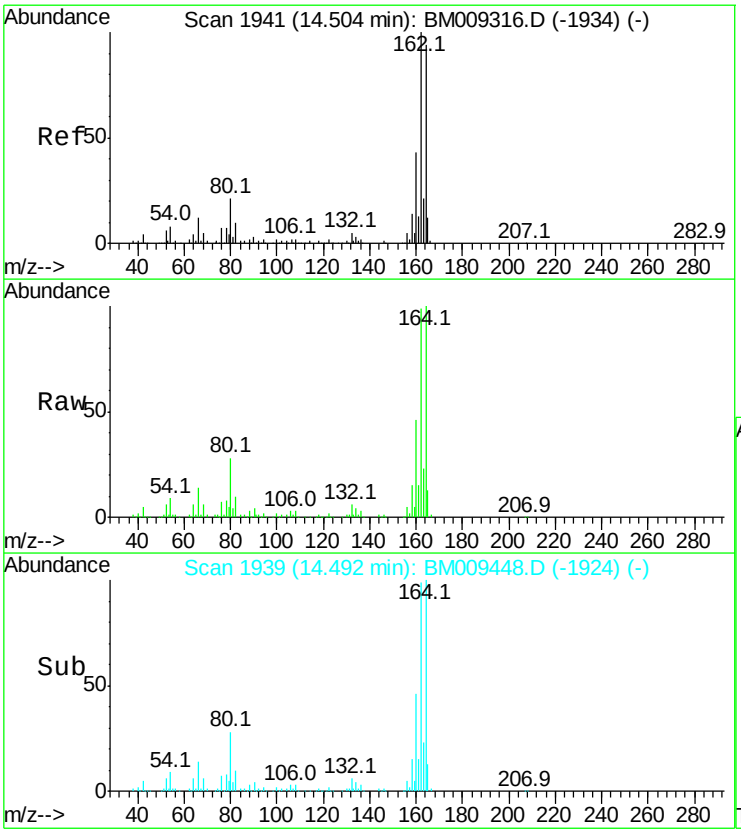

#37
2-Methylnaphthalene
Concen: 5.35 ng
RT: 12.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BM009448.D
Acq: 30 Mar 2017 13:03

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

Tgt Ion:142 Resp: 80559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 89.7 | 71.9 | 107.9 |
| 115 | 48.3 | 25.4 | 38.0# |

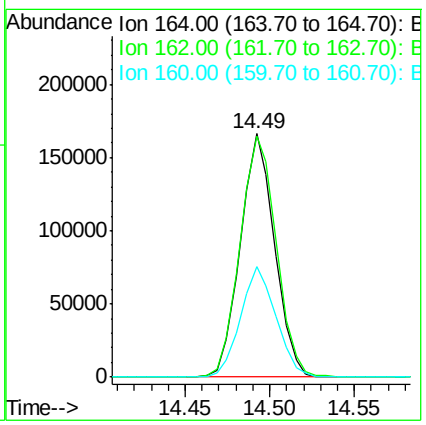


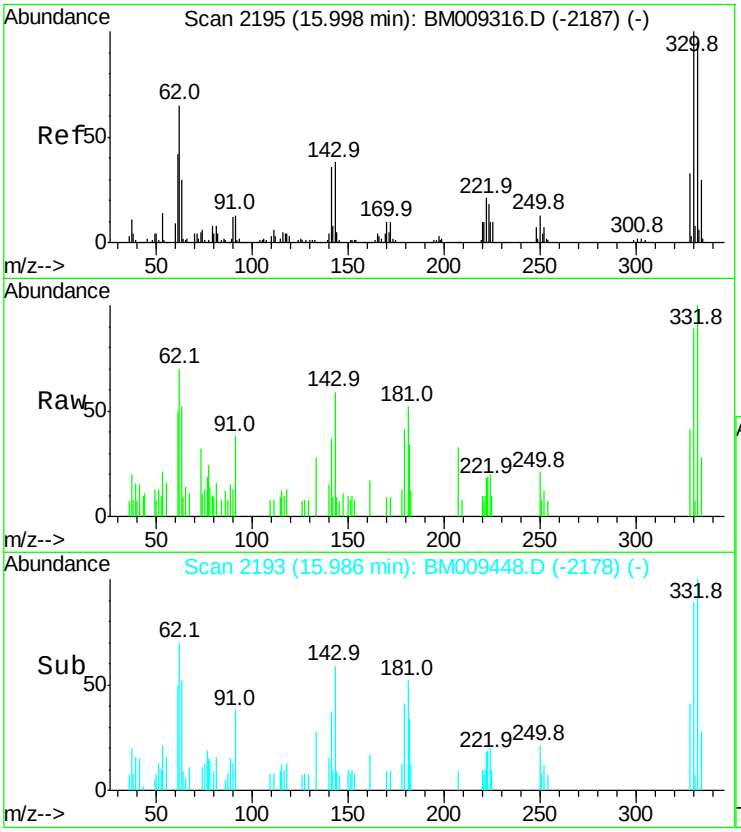




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.49 min Scan# 1939
Delta R.T. -0.01 min
Lab File: BM009448.D
Acq: 30 Mar 2017 13:03

Tgt Ion:164 Resp: 234615

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.8 | 82.4 | 123.6 |
| 160 | 45.5 | 35.8 | 53.6 |



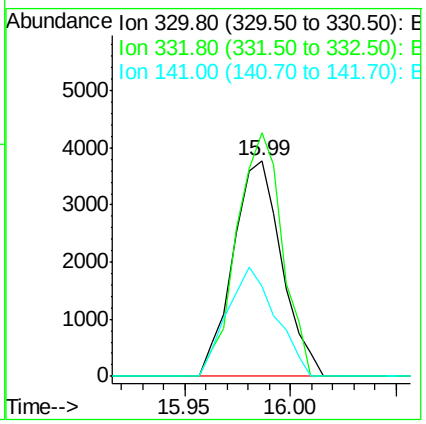


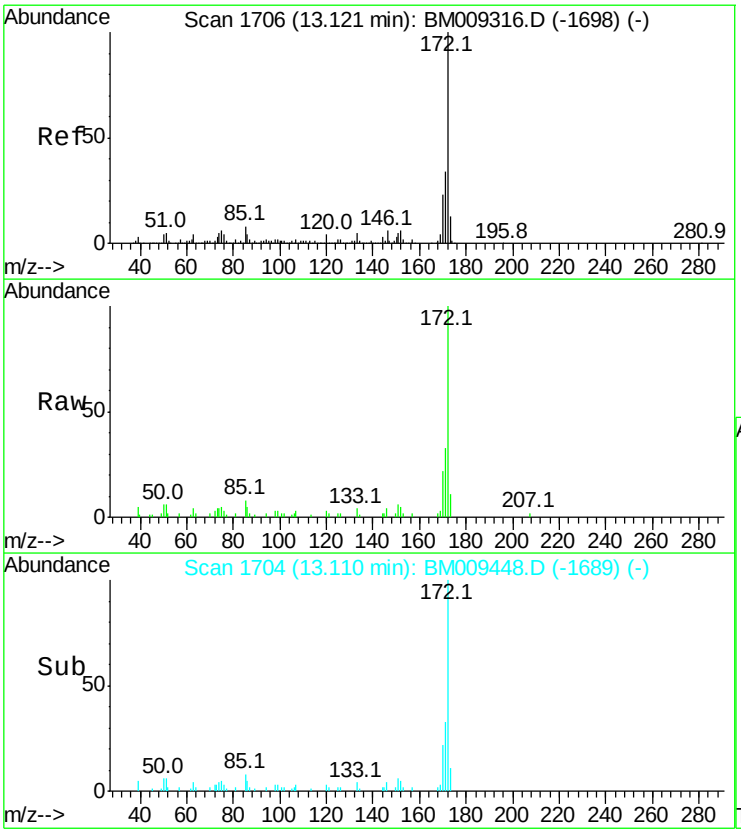

#41
2,4,6-Tribromophenol
Concen: 2.07 ng
RT: 15.99 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BM009448.D
Acq: 30 Mar 2017 13:03

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

Tgt Ion:330 Resp: 6036

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 105.8 | 0.0 | 0.0# |
| 141 | 50.4 | 0.0 | 0.0# |

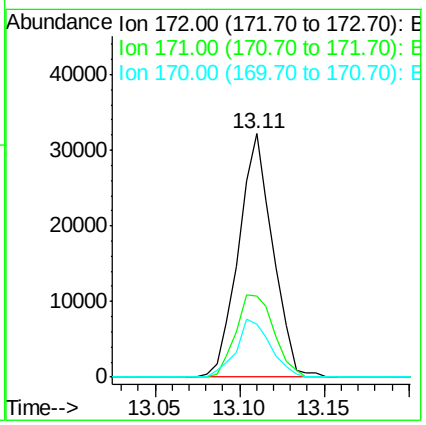


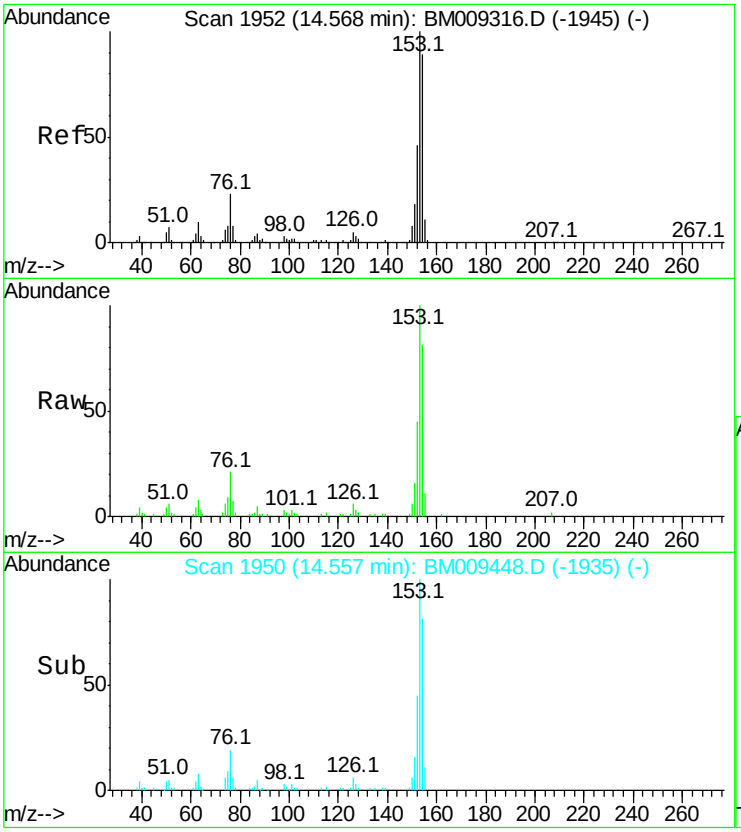




#44
2-Fluorobiphenyl
Concen: 2.33 ng
RT: 13.11 min Scan# 1704
Delta R.T. -0.01 min
Lab File: BM009448.D
Acq: 30 Mar 2017 13:03

Tgt Ion:172 Resp: 45377

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.5 | 28.5 | 42.7 |
| 170 | 21.6 | 18.8 | 28.2 |



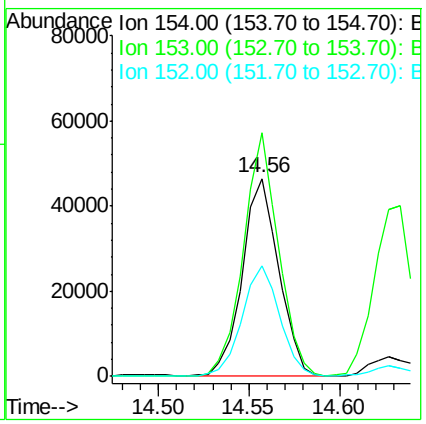


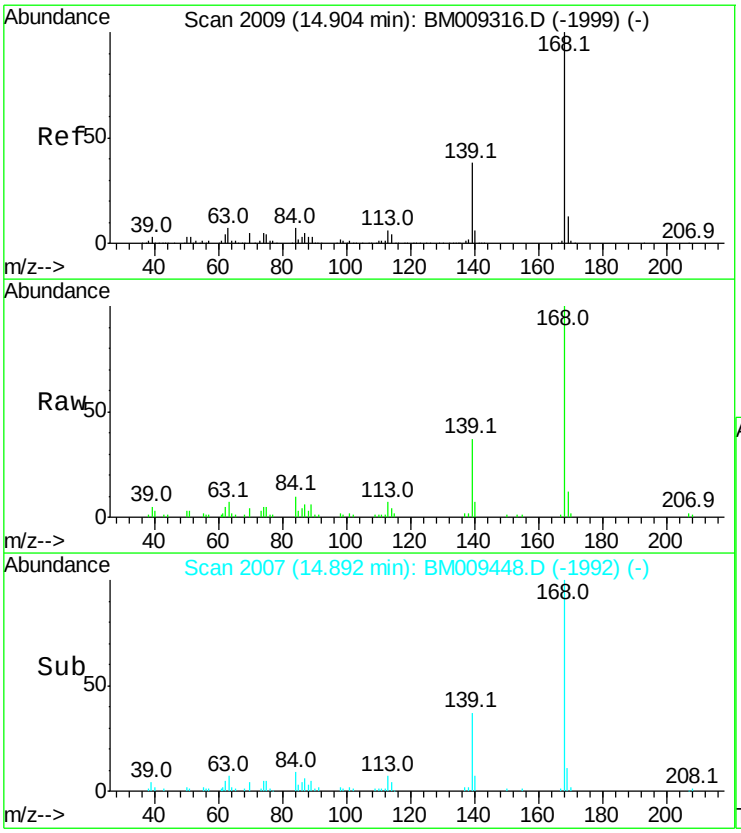

#51
Acenaphthene
Concen: 4.35 ng
RT: 14.56 min Scan# 1950
Delta R.T. -0.01 min
Lab File: BM009448.D
Acq: 30 Mar 2017 13:03

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

Tgt Ion:154 Resp: 64856

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 123.1 | 90.0 | 135.0 |
| 152 | 55.6 | 42.6 | 63.8 |

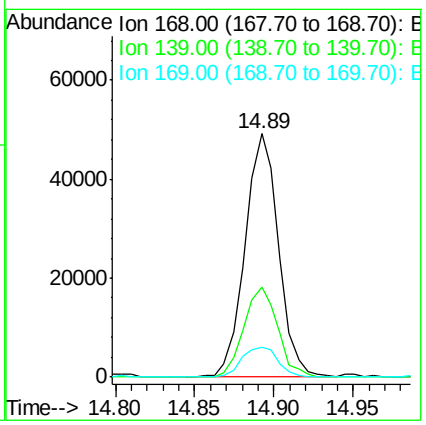


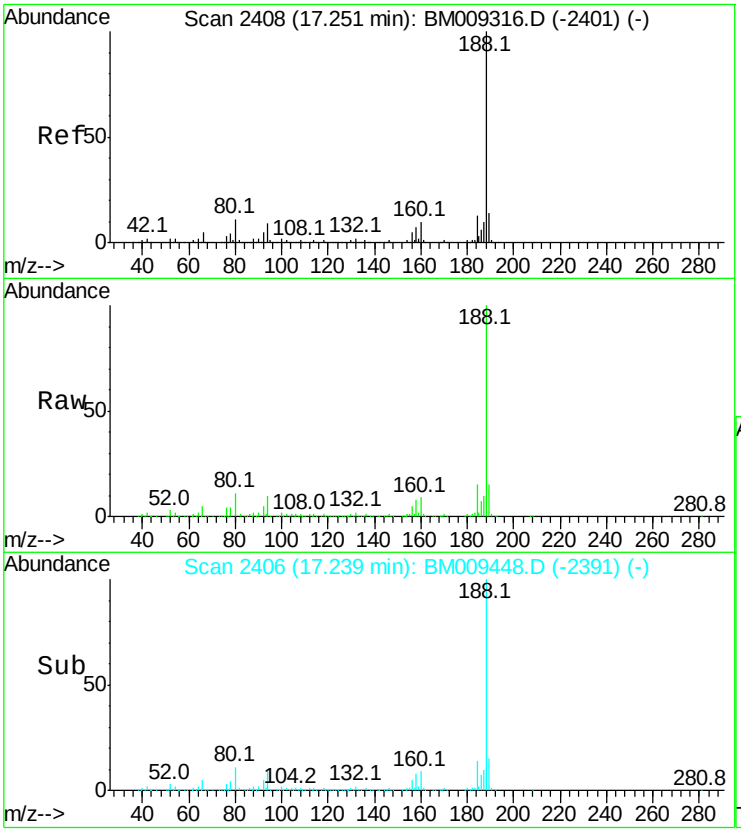




#54
Dibenzofuran
Concen: 3.27 ng
RT: 14.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BM009448.D
Acq: 30 Mar 2017 13:03

Tgt Ion:168 Resp: 72154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.9 | 27.3 | 40.9 |
| 169 | 12.1 | 10.6 | 16.0 |



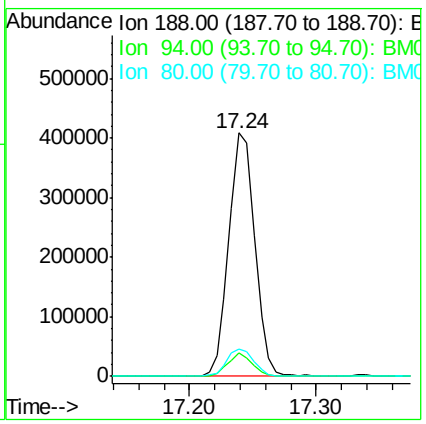


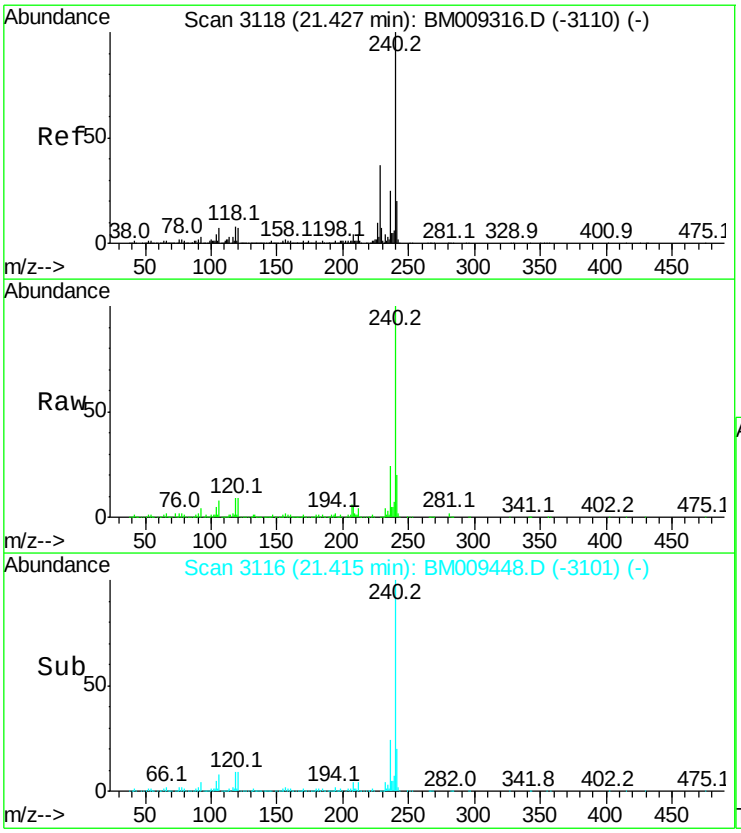

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.24 min Scan# 2406
Delta R.T. -0.01 min
Lab File: BM009448.D
Acq: 30 Mar 2017 13:03

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

Tgt Ion:188 Resp: 580831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.5 | 8.7 | 13.1 |
| 80 | 11.1 | 9.3 | 13.9 |

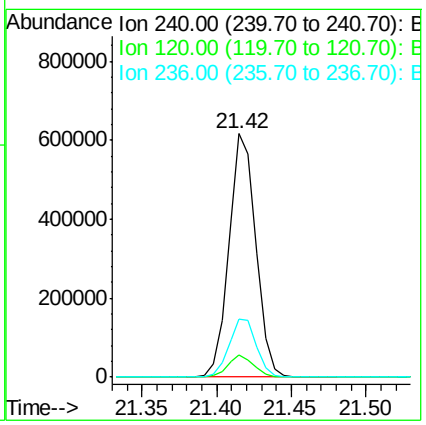


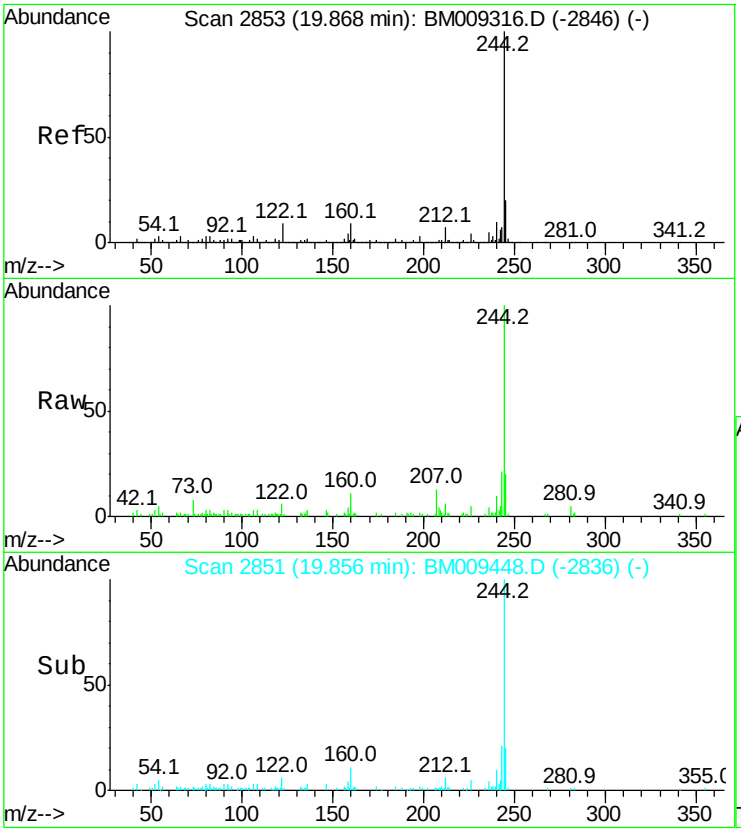




#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.42 min Scan# 3116
Delta R.T. -0.01 min
Lab File: BM009448.D
Acq: 30 Mar 2017 13:03

Tgt Ion:240 Resp: 780626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 9.0 | 8.2 | 12.2 |
| 236 | 23.8 | 20.0 | 30.0 |



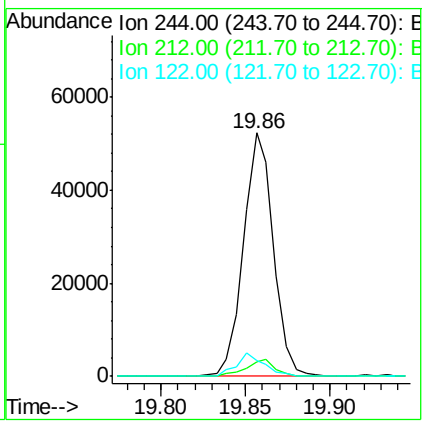


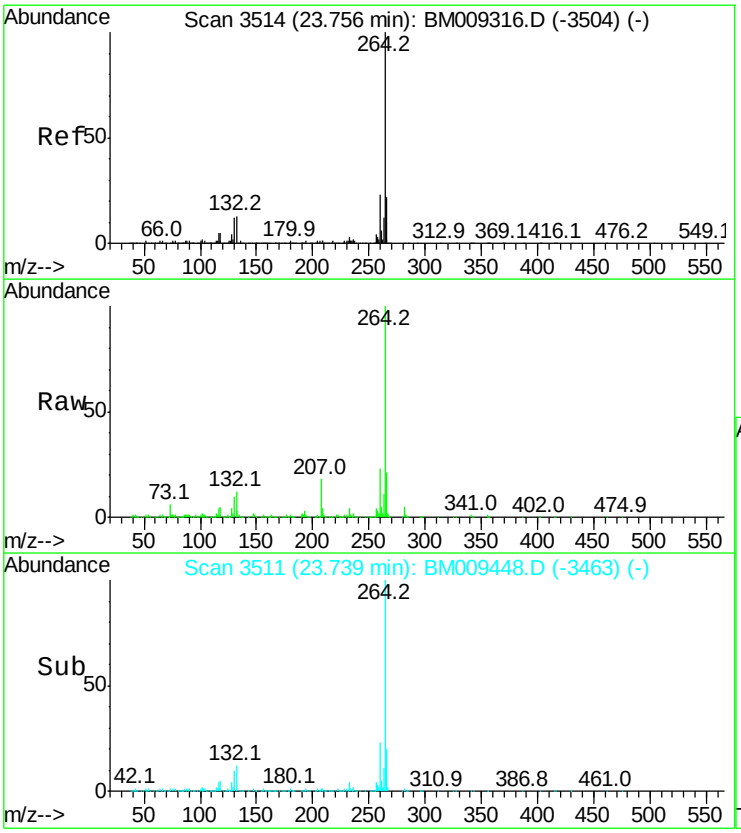

#78
Terphenyl-d14
Concen: 1.73 ng
RT: 19.86 min Scan# 2851
Delta R.T. -0.01 min
Lab File: BM009448.D
Acq: 30 Mar 2017 13:03

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

Tgt Ion:244 Resp: 64463

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 5.9 | 4.9 | 7.3 |
| 122 | 6.5 | 6.2 | 9.4 |




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.74 min Scan# 3511
Delta R.T. -0.02 min
Lab File: BM009448.D
Acq: 30 Mar 2017 13:03

Tgt Ion:264 Resp: 741755

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.5 | 18.6 | 27.8 |
| 265 | 20.9 | 17.3 | 25.9 |