Quantitation Report (QT Reviewed)

Data Path : S:\HPCHEM1\BNA_M\DATA\BM022916\
Data File : BM004484.D
Acq On : 01 Mar 2016 00:12
Operator : SJ/UM
Sample : PB88423BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :** PB88423BL

Quant Time: Mar 01 06:01:27 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 01 00:52:28 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.62 | 152 | 19154 | 5.00 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.39 | 136 | 71428 | 5.00 | ng | 0.00 |
| 13) Acenaphthene-d10 | 14.26 | 164 | 37028 | 5.00 | ng | 0.00 |
| 19) Phenanthrene-d10 | 17.04 | 188 | 74598 | 5.00 | ng | 0.02 |
| 26) Chrysene-d12 | 21.25 | 240 | 79505 | 5.00 | ng | 0.01 |
| 35) Perylene-d12 | 23.45 | 264 | 75995 | 5.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 5.21 | 112 | 31746 | 7.13 | ng | -0.02 |
| 5) Phenol-d6 | 6.81 | 99 | 36156 | 7.19 | ng | 0.00 |
| 8) Nitrobenzene-d5 | 8.79 | 82 | 14154 | 3.89 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.79 | 330 | 9239 | 6.49 | ng | 0.00 |
| 15) 2-Fluorobiphenyl | 12.89 | 172 | 49023 | 4.32 | ng | 0.00 |
| 29) Terphenyl-d14 | 19.67 | 244 | 44886 | 4.39 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |

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

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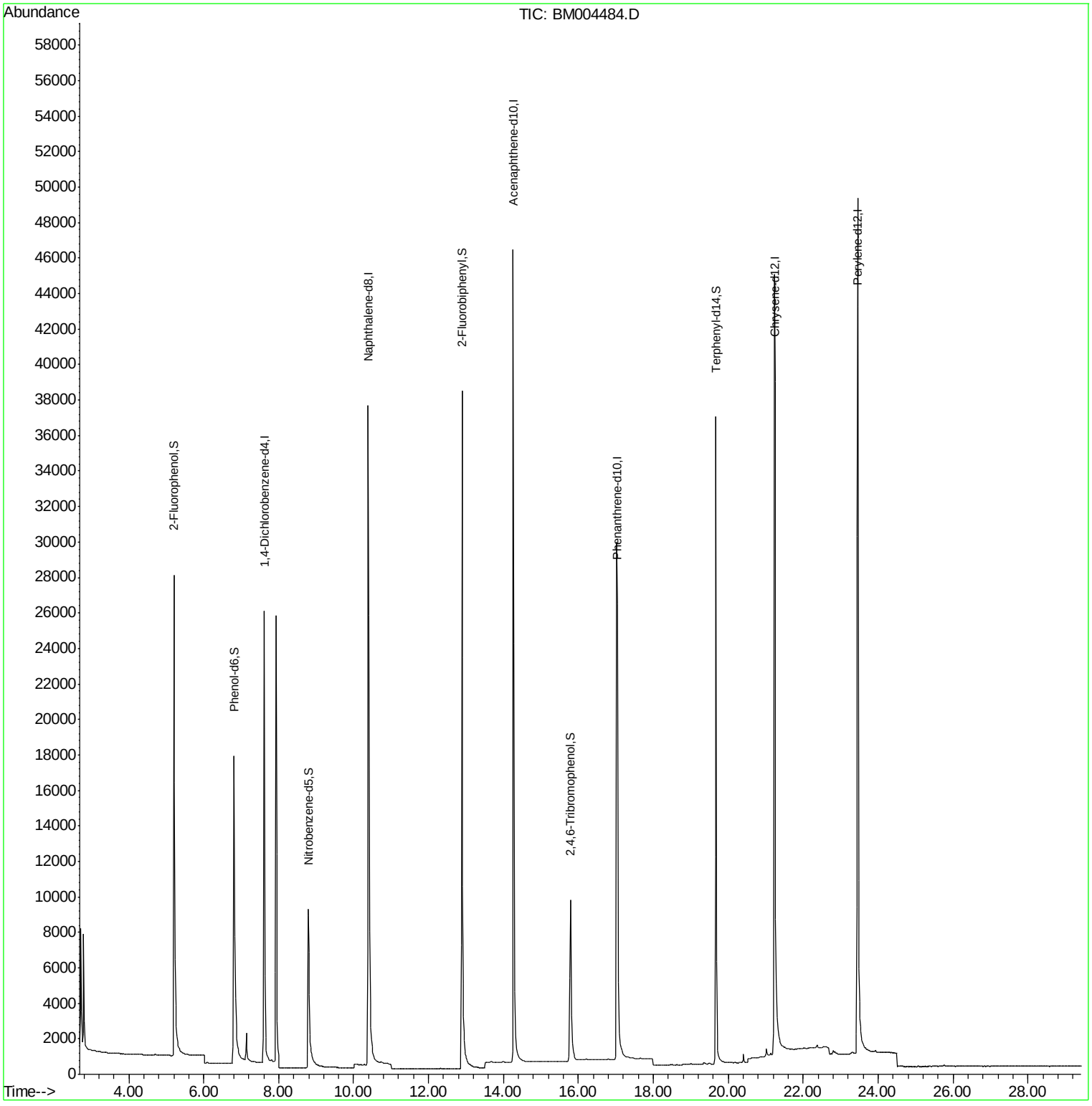
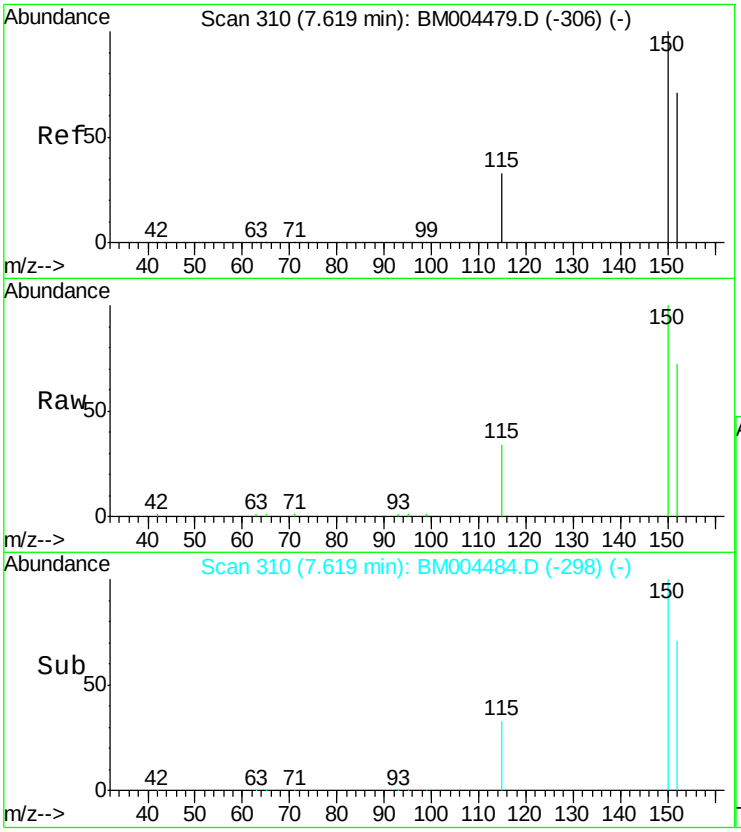
Operator : SJ/UM
Sample : PB88423BL
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**
PB88423BL

Quant Time: Mar 01 06:01:27 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM022916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 01 00:52:28 2016
Response via : Initial Calibration



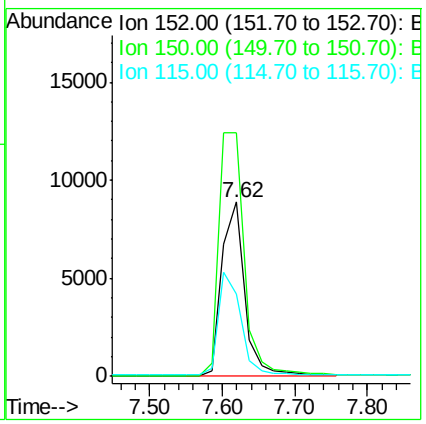


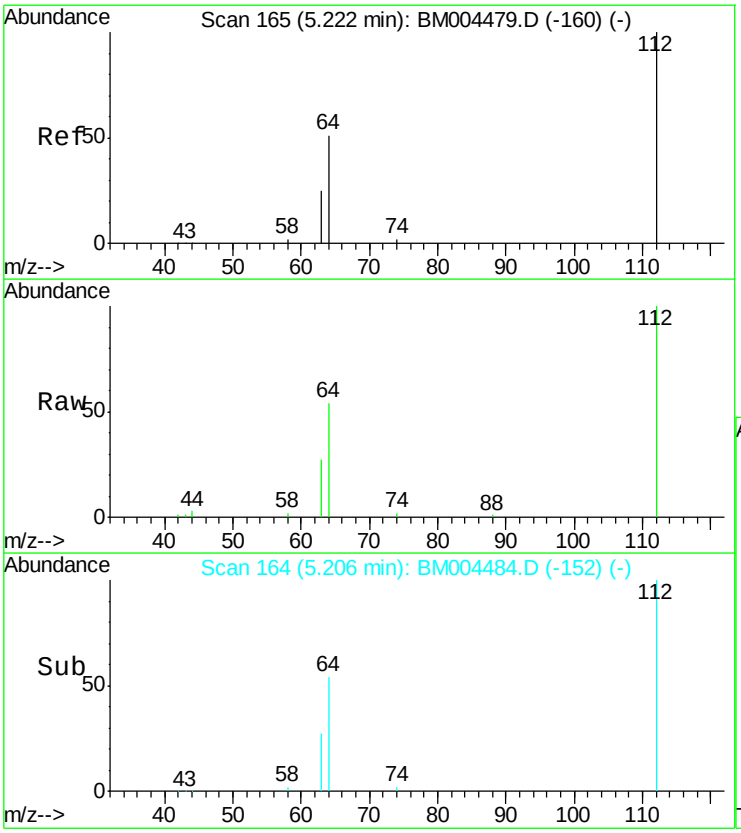

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.62 min Scan# 310
Delta R.T. 0.00 min
Lab File: BM004484.D
Acq: 01 Mar 2016 00:12

**Instrument :**
BNA_M
**ClientSampleId :**
PB88423BL

Tgt Ion:152 Resp: 19154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 139.8 | 111.9 | 167.9 |
| 115 | 47.0 | 37.7 | 56.5 |

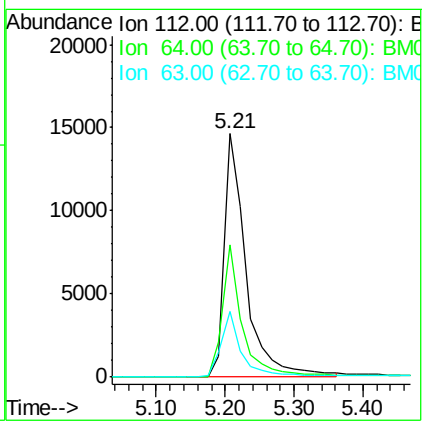


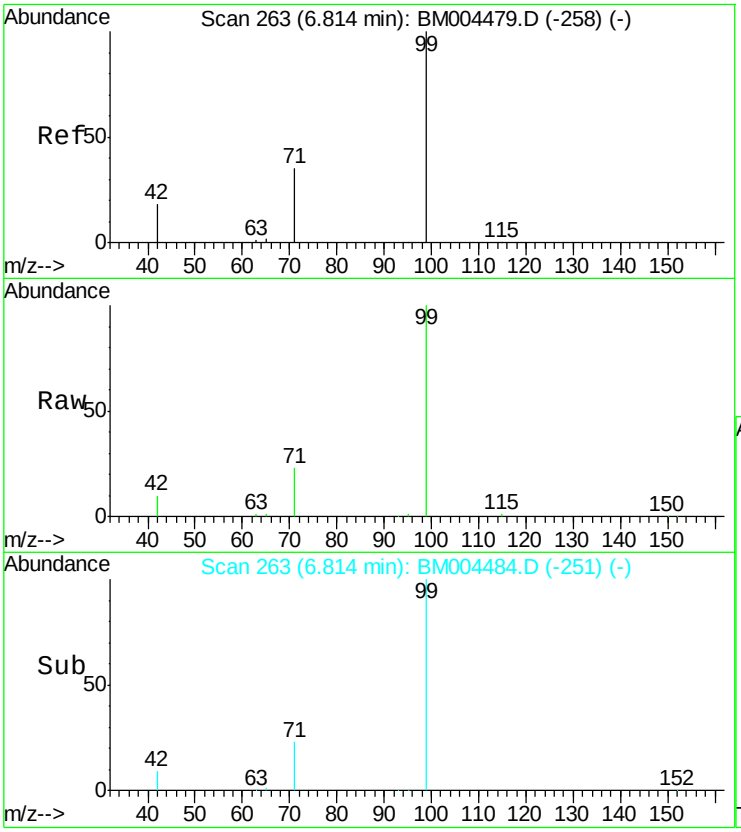




#4
2-Fluorophenol
Concen: 7.13 ng
RT: 5.21 min Scan# 164
Delta R.T. -0.02 min
Lab File: BM004484.D
Acq: 01 Mar 2016 00:12

Tgt Ion:112 Resp: 31746

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 49.0 | 39.6 | 59.4 |
| 63 | 24.7 | 20.0 | 30.0 |



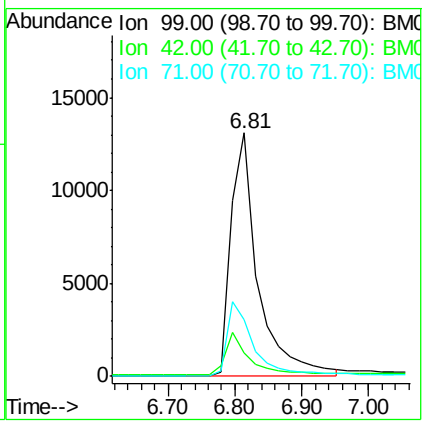


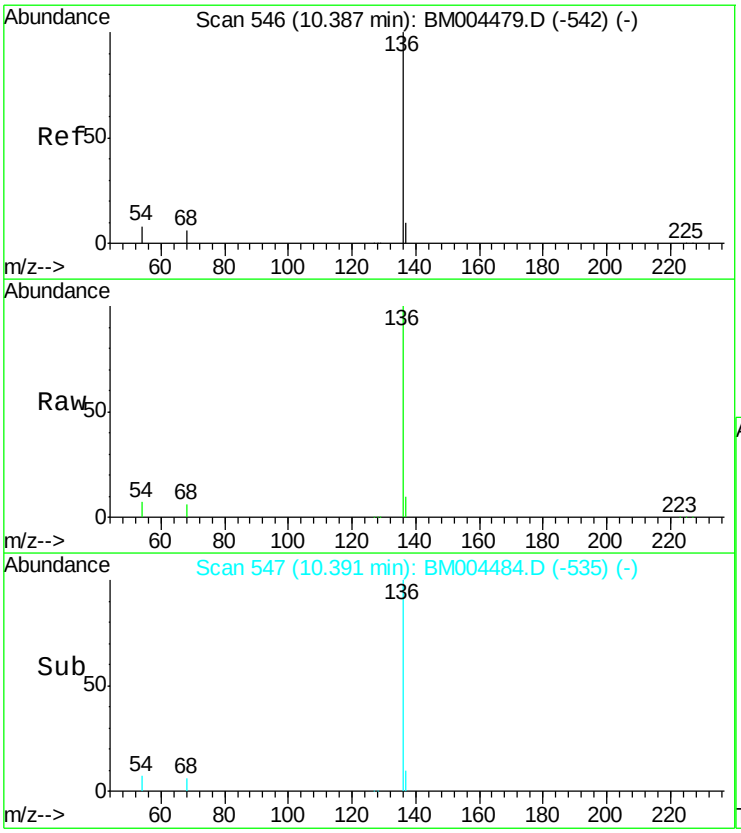

#5
Phenol-d6
Concen: 7.19 ng
RT: 6.81 min Scan# 263
Delta R.T. 0.00 min
Lab File: BM004484.D
Acq: 01 Mar 2016 00:12

**Instrument :**
BNA_M
**ClientSampleId :**
PB88423BL

Tgt Ion: 99 Resp: 36156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.0 | 12.2 | 18.2 |
| 71 | 29.4 | 23.4 | 35.2 |

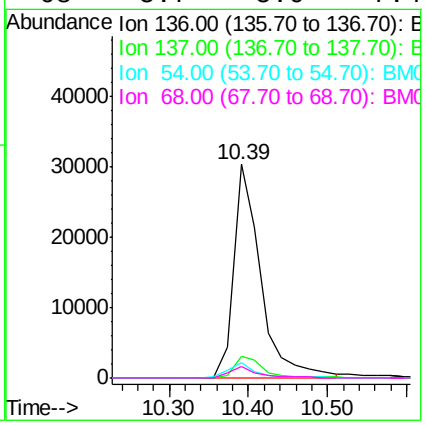


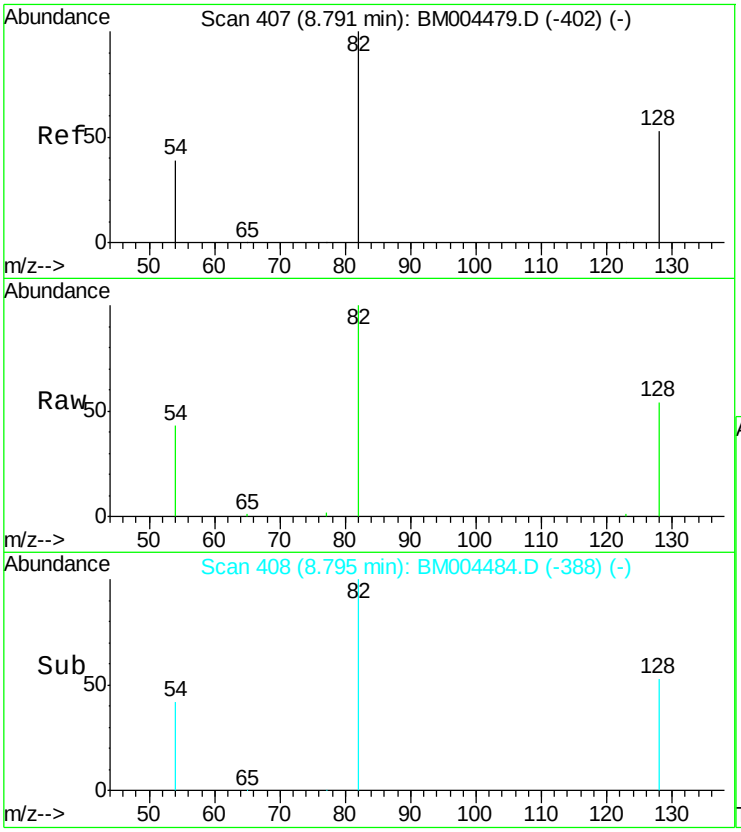




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.39 min Scan# 547
Delta R.T. 0.00 min
Lab File: BM004484.D
Acq: 01 Mar 2016 00:12

Tgt Ion:136 Resp: 71428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.4 | 8.2 | 12.2 |
| 54 | 7.3 | 6.4 | 9.6 |
| 68 | 5.7 | 5.0 | 7.4 |



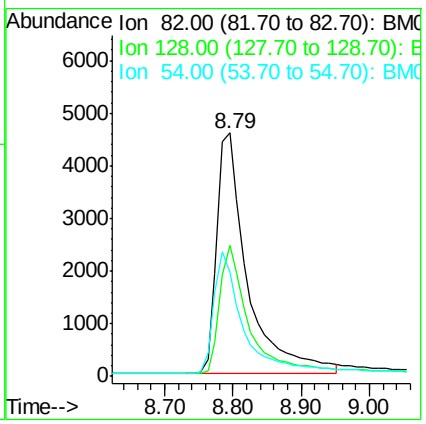


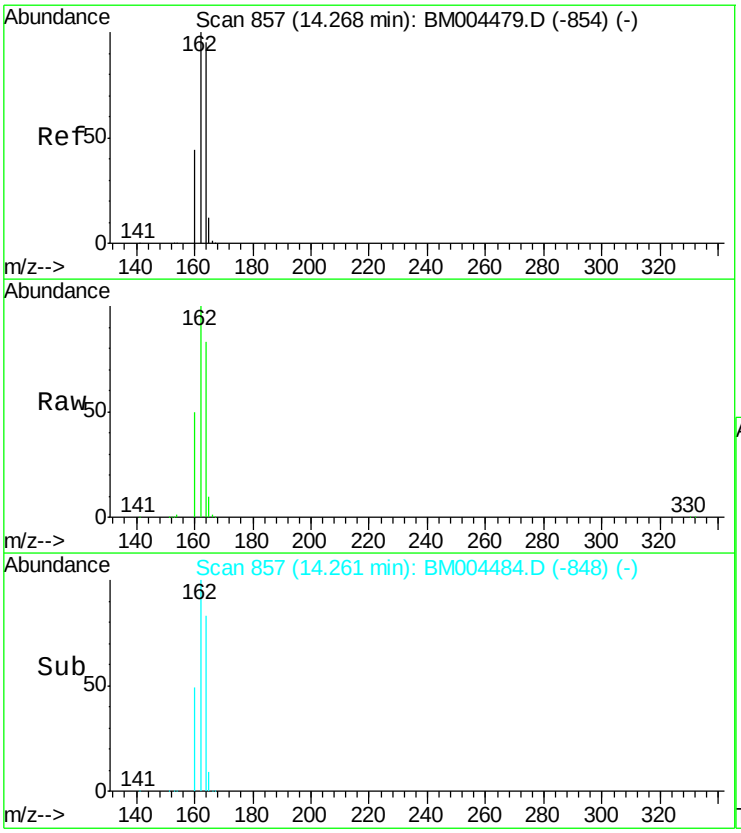

#8
Nitrobenzene-d5
Concen: 3.89 ng
RT: 8.79 min Scan# 408
Delta R.T. 0.00 min
Lab File: BM004484.D
Acq: 01 Mar 2016 00:12

**Instrument :**
BNA_M
**ClientSampleId :**
PB88423BL

Tgt Ion: 82 Resp: 14154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 53.8 | 43.7 | 65.5 |
| 54 | 43.0 | 33.5 | 50.3 |

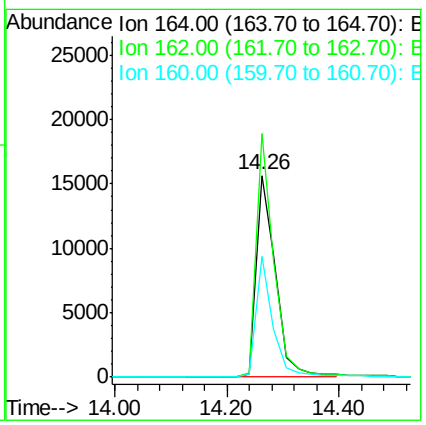


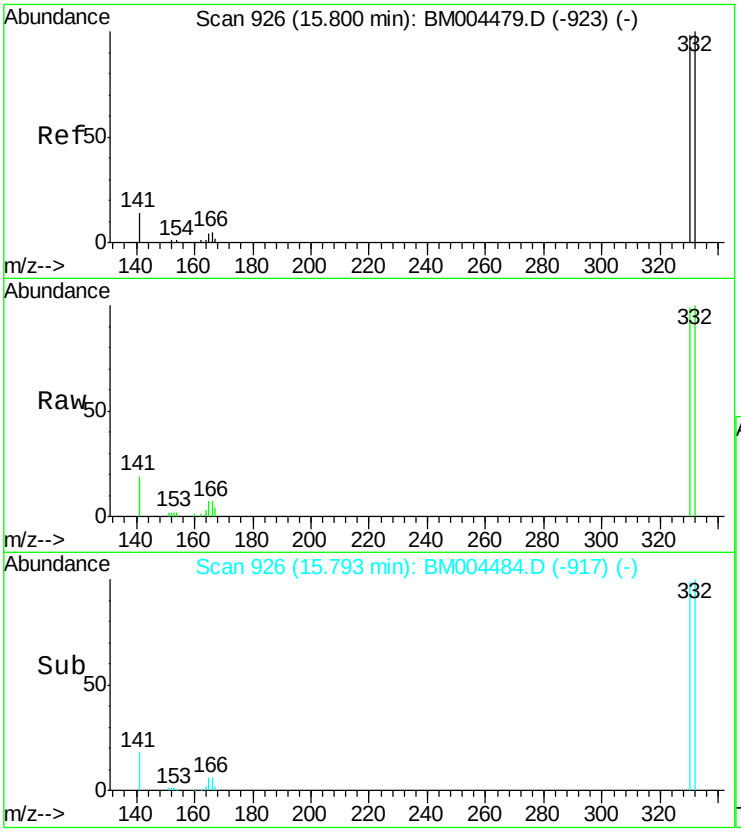




#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 857
Delta R.T. -0.01 min
Lab File: BM004484.D
Acq: 01 Mar 2016 00:12

Tgt Ion:164 Resp: 37028

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 120.5 | 84.2 | 126.4 |
| 160 | 59.8 | 37.4 | 56.2# |



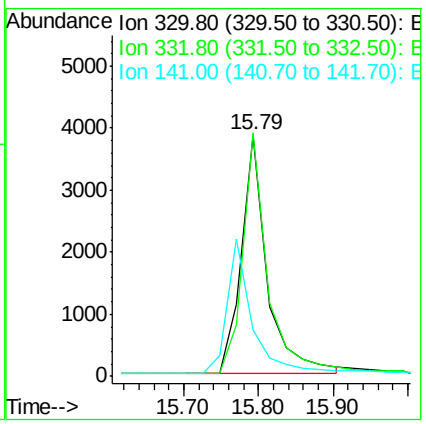


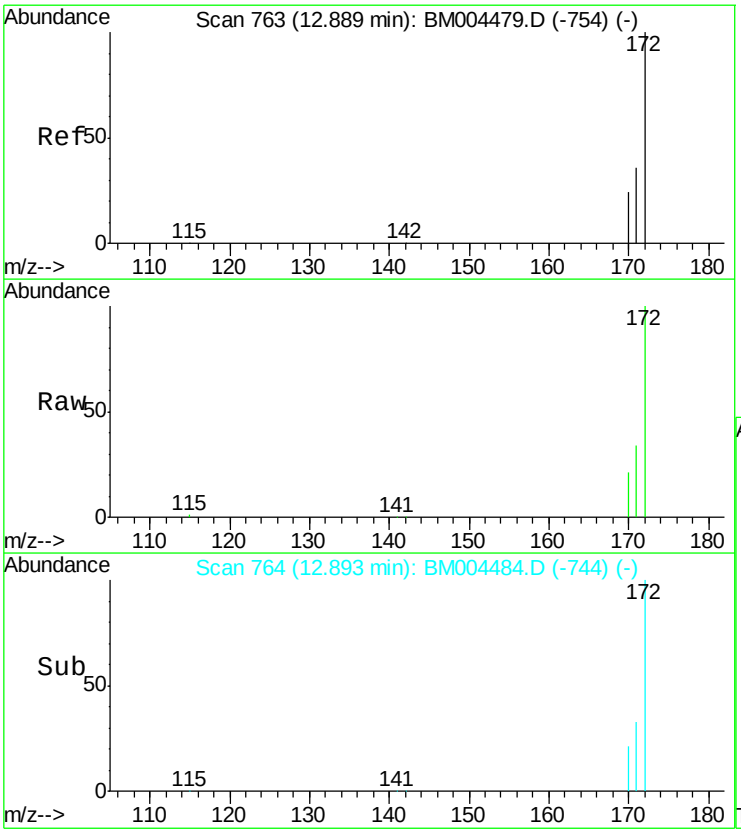

#14
2,4,6-Tribromophenol
Concen: 6.49 ng
RT: 15.79 min Scan# 926
Delta R.T. -0.01 min
Lab File: BM004484.D
Acq: 01 Mar 2016 00:12

**Instrument :**
BNA_M
**ClientSampleId :**
PB88423BL

Tgt Ion:330 Resp: 9239

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 76.1 | 114.1 |
| 141 | 0.0 | 0.0 | 0.0 |

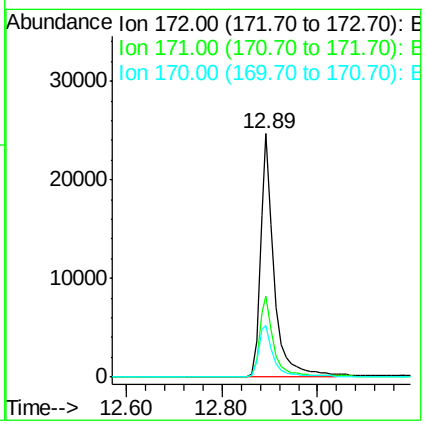


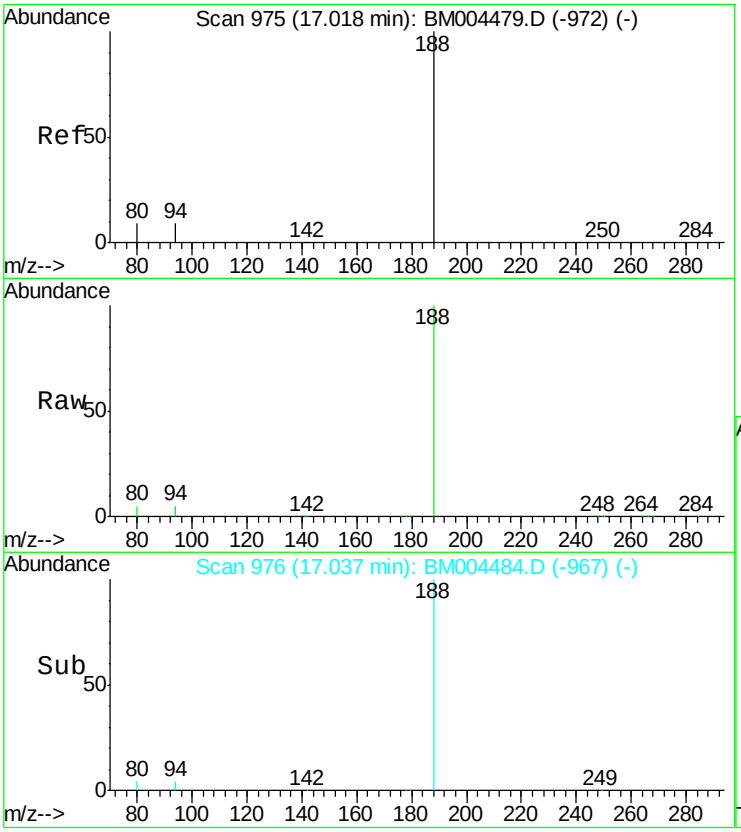




#15
2-Fluorobiphenyl
Concen: 4.32 ng
RT: 12.89 min Scan# 764
Delta R.T. 0.00 min
Lab File: BM004484.D
Acq: 01 Mar 2016 00:12

Tgt Ion:172 Resp: 49023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.5 | 29.2 | 43.8 |
| 170 | 21.4 | 19.7 | 29.5 |



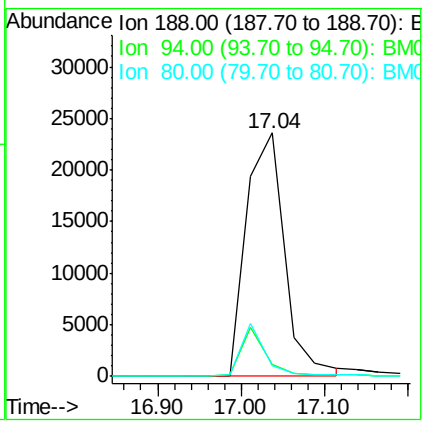


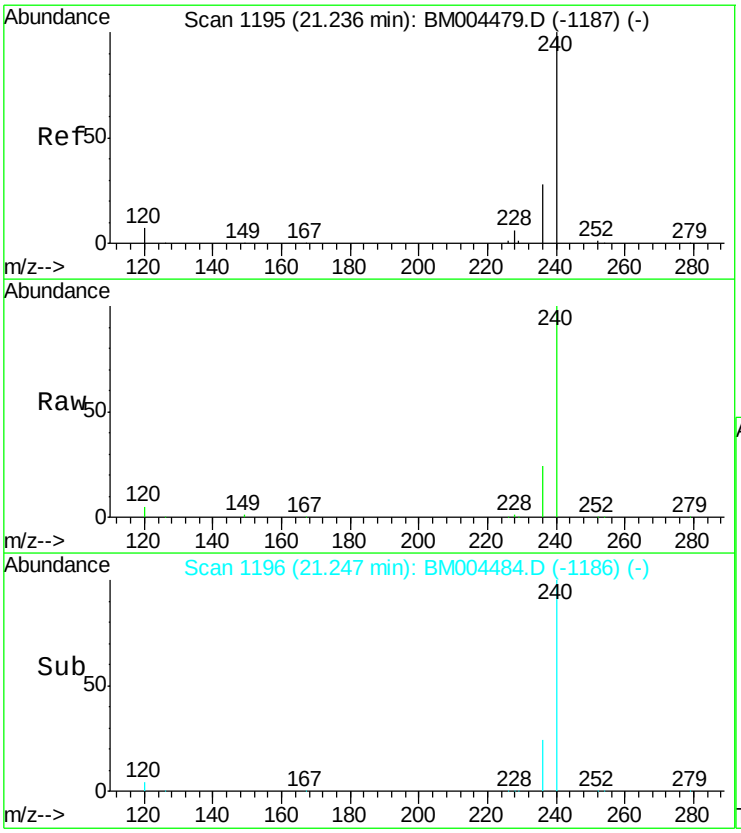

#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.04 min Scan# 976
Delta R.T. 0.02 min
Lab File: BM004484.D
Acq: 01 Mar 2016 00:12

**Instrument :**
BNA_M
**ClientSampleId :**
PB88423BL

Tgt Ion:188 Resp: 74598

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 4.8 | 7.4 | 11.0# |
| 80 | 4.5 | 6.9 | 10.3# |

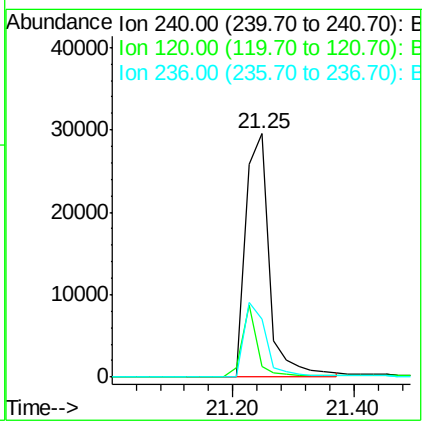


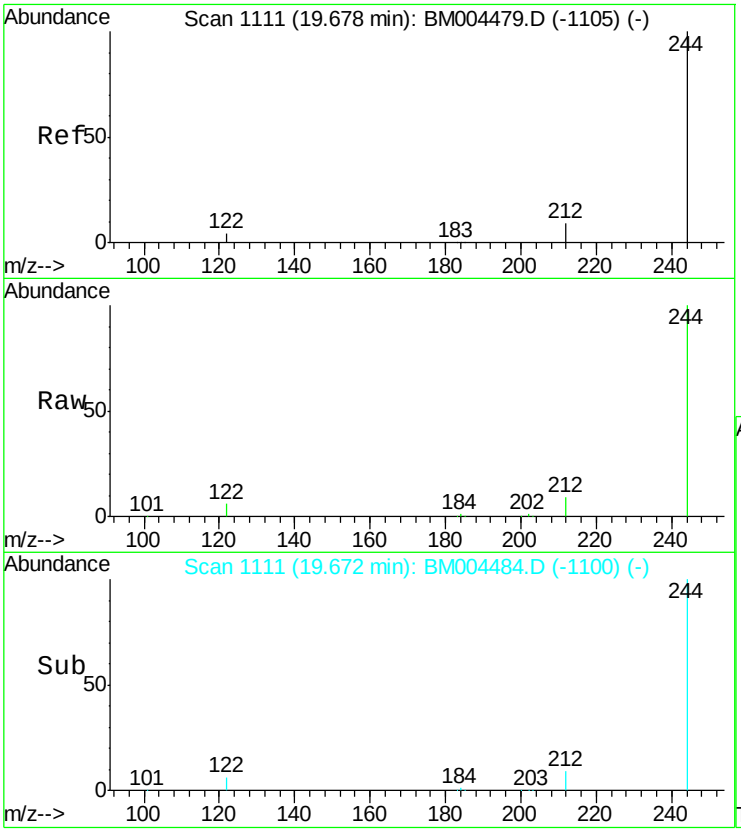




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.25 min Scan# 1196
Delta R.T. 0.01 min
Lab File: BM004484.D
Acq: 01 Mar 2016 00:12

Tgt Ion:240 Resp: 79505

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 4.6 | 6.1 | 9.1# |
| 236 | 23.8 | 22.6 | 34.0 |



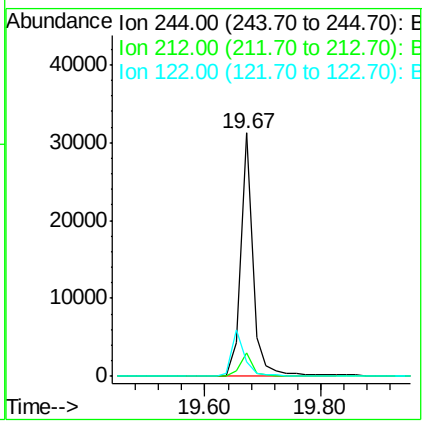


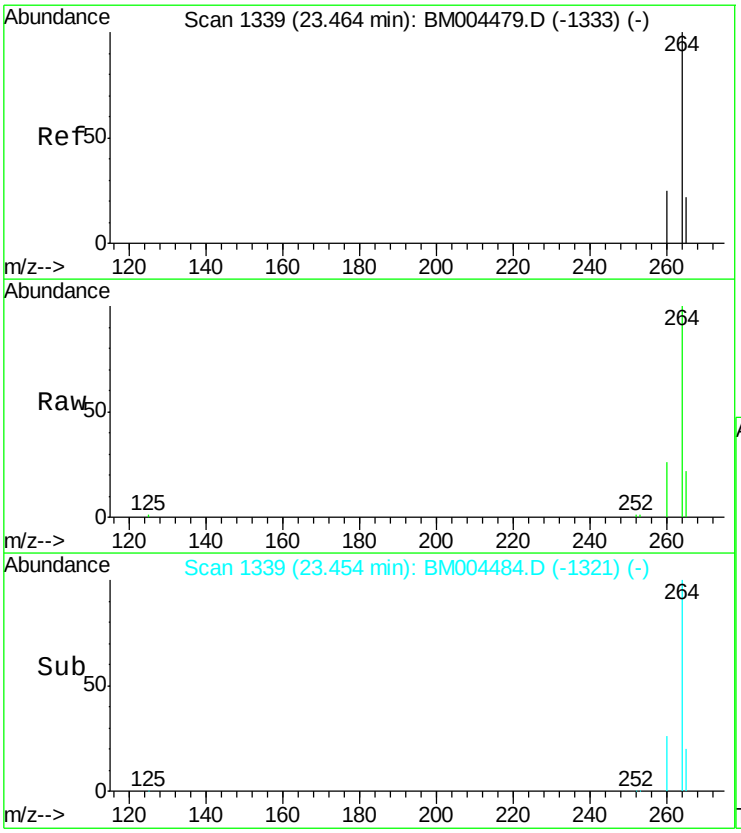

#29
Terphenyl-d14
Concen: 4.39 ng
RT: 19.67 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BM004484.D
Acq: 01 Mar 2016 00:12

**Instrument :**
BNA_M
**ClientSampleId :**
PB88423BL

Tgt Ion:244 Resp: 44886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.4 | 7.5 | 11.3 |
| 122 | 5.8 | 4.2 | 6.2 |




#35
Perylene-d12
Concen: 5.00 ng
RT: 23.45 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BM004484.D
Acq: 01 Mar 2016 00:12

Tgt Ion:264 Resp: 75995

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 26.3 | 19.8 | 29.6 |
| 265 | 22.0 | 18.9 | 28.3 |