Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040216\
Data File : BE091601.D
Acq On : 1 Apr 2016 21:51
Operator : UM/SJ
Sample : H2087-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** TILCON-MH-SF-002

Quant Time: Apr 02 00:10:02 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE033016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 30 18:45:59 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.82 | 152 | 38222 | 5.00 | ng | 0.00 |
| 6) Naphthalene-d8 | 10.59 | 136 | 190139 | 5.00 | ng | 0.00 |
| 10) Acenaphthene-d10 | 14.42 | 164 | 110018 | 5.00 | ng | -0.03 |
| 16) Phenanthrene-d10 | 17.16 | 188 | 271521 | 5.00 | ng | -0.01 |
| 22) Chrysene-d12 | 21.31 | 240 | 344662 | 5.00 | ng | -0.02 |
| 28) Perylene-d12 | 23.76 | 264 | 318145 | 5.00 | ng | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 5.41 | 112 | 76823 | 7.68 | ng | -0.02 |
| 5) Phenol-d6 | 6.97 | 99 | 122314 | 9.04 | ng | -0.02 |
| 7) Nitrobenzene-d5 | 8.96 | 82 | 50584 | 3.96 | ng | -0.02 |
| 11) 2,4,6-Tribromophenol | 15.91 | 330 | 33677 | 6.91 | ng | -0.01 |
| 12) 2-Fluorobiphenyl | 13.05 | 172 | 148387 | 4.75 | ng | -0.02 |
| 24) Terphenyl-d14 | 19.76 | 244 | 220851 | 5.05 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 19) Phenanthrene | 17.19 | 178 | 2479 | 0.04 | ng | # 90 |
| 21) Fluoranthene | 19.21 | 202 | 2318 | 0.03 | ng | # 91 |
| 23) Pyrene | 19.57 | 202 | 2801 | 0.04 | ng | # 94 |

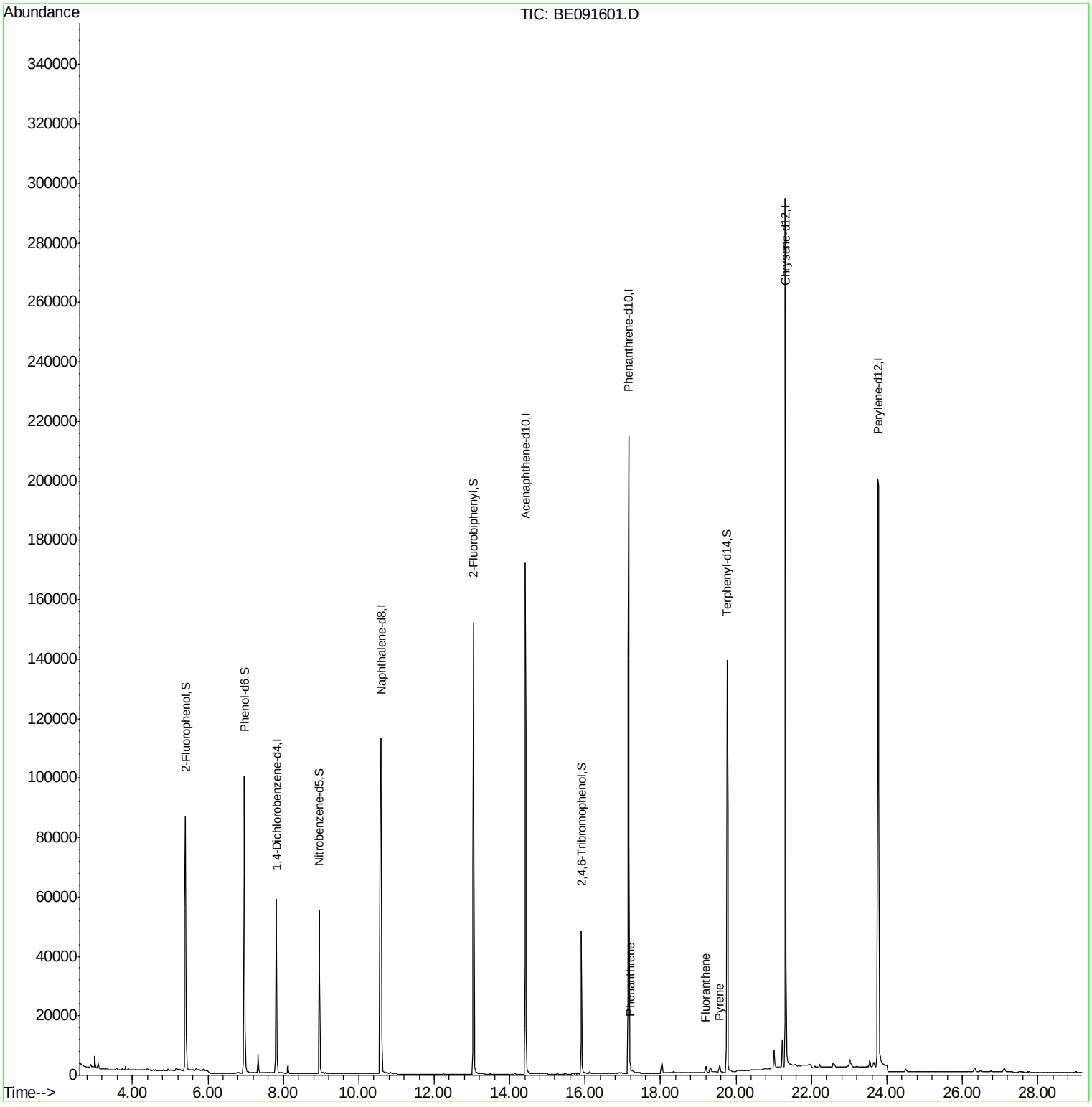
(#) = qualifier out of range (m) = manual integration (+) = signals summed

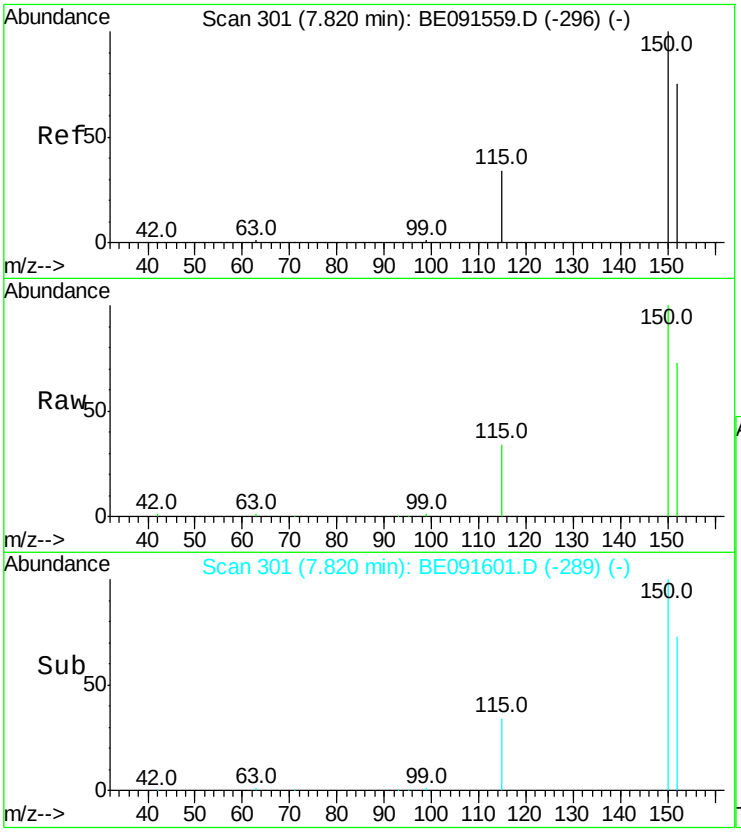
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE040216\
Data File : BE091601.D
Acq On : 1 Apr 2016 21:51
Operator : UM/SJ
Sample : H2087-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
TILCON-MH-SF-002

Quant Time: Apr 02 00:10:02 2016
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE033016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Mar 30 18:45:59 2016
Response via : Initial Calibration



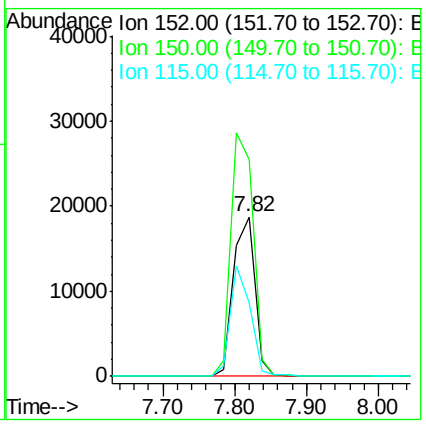


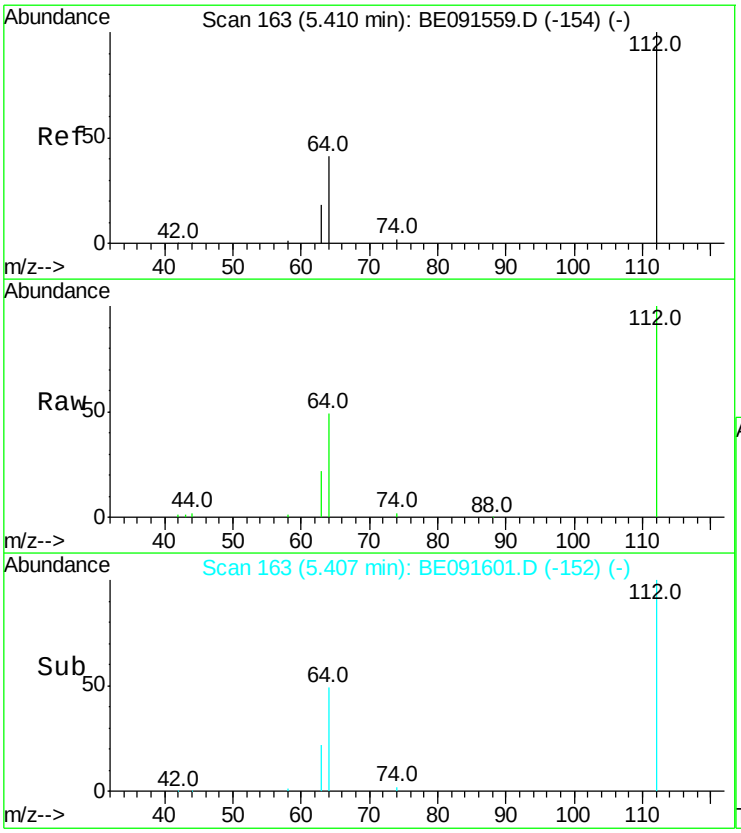

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.82 min Scan# 301
Delta R.T. 0.00 min
Lab File: BE091601.D
Acq: 1 Apr 2016 21:51

**Instrument :**
BNA_E
**ClientSampleId :**
TILCON-MH-SF-002

Tgt Ion:152 Resp: 38222

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 136.1 | 122.2 | 183.2 |
| 115 | 46.3 | 45.9 | 68.9 |

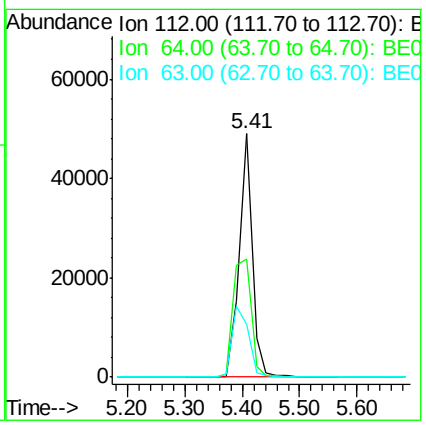


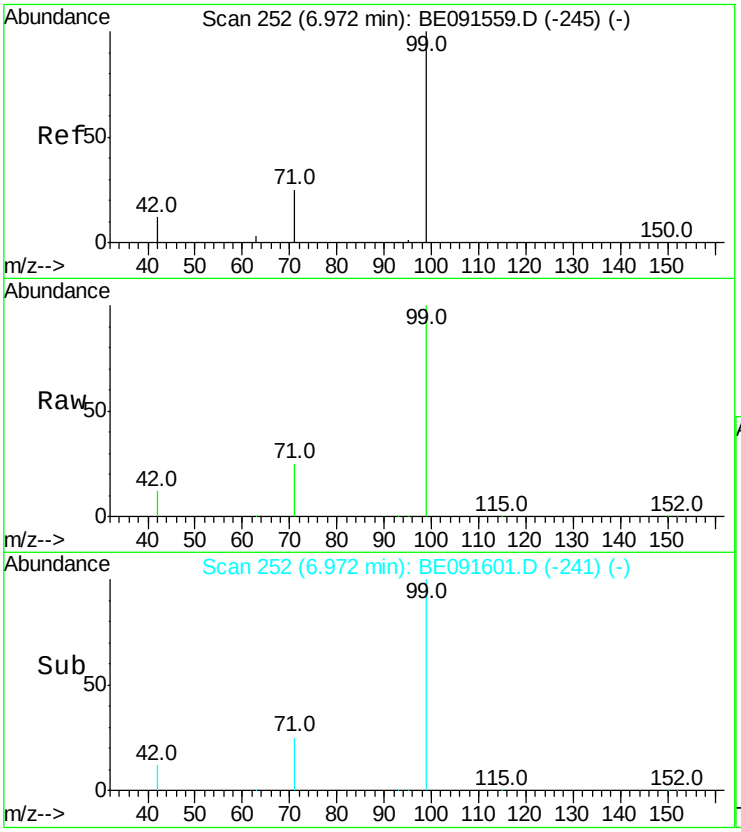




#4
2-Fluorophenol
Concen: 7.68 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.02 min
Lab File: BE091601.D
Acq: 1 Apr 2016 21:51

Tgt Ion:112 Resp: 76823

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.4 | 53.3 | 79.9 |
| 63 | 36.4 | 29.8 | 44.8 |



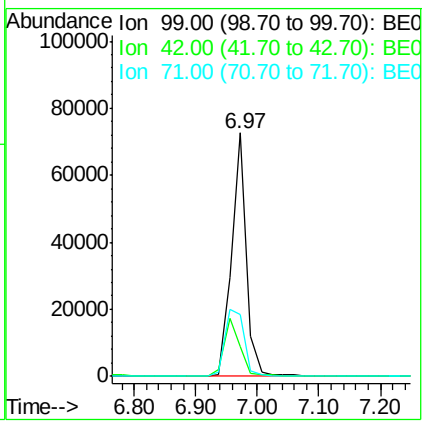


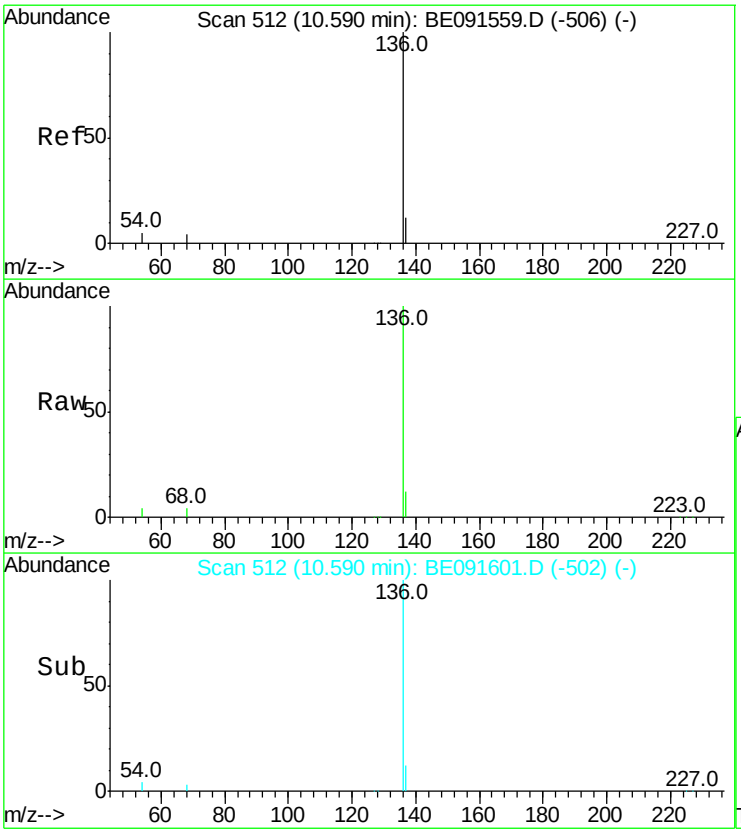

#5
Phenol-d6
Concen: 9.04 ng
RT: 6.97 min Scan# 252
Delta R.T. -0.02 min
Lab File: BE091601.D
Acq: 1 Apr 2016 21:51

**Instrument :**
BNA_E
**ClientSampleId :**
TILCON-MH-SF-002

Tgt Ion: 99 Resp: 122314

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 24.5 | 20.6 | 30.8 |
| 71 | 35.6 | 29.0 | 43.4 |

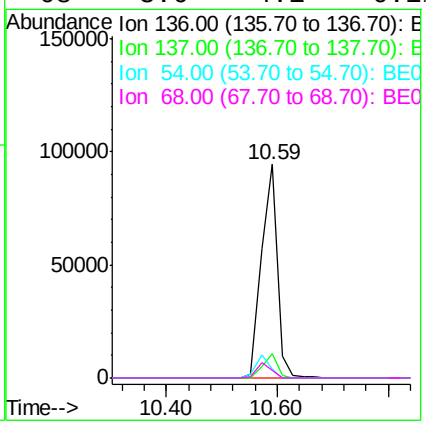


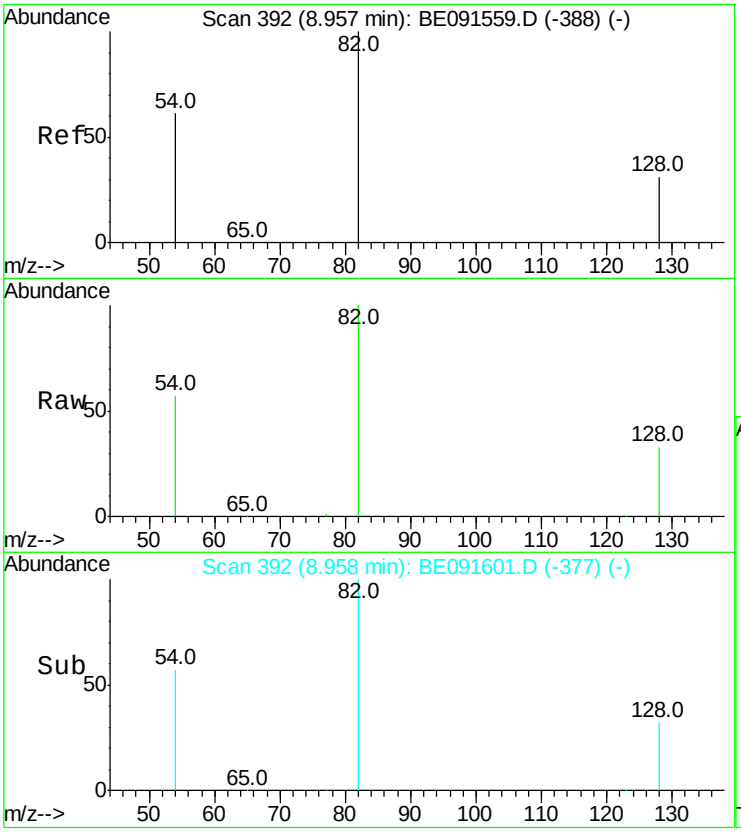




#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.59 min Scan# 512
Delta R.T. -0.00 min
Lab File: BE091601.D
Acq: 1 Apr 2016 21:51

Tgt Ion:136 Resp: 190139

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.7 | 8.8 | 13.2 |
| 54 | 4.3 | 5.2 | 7.8# |
| 68 | 3.6 | 4.1 | 6.1# |



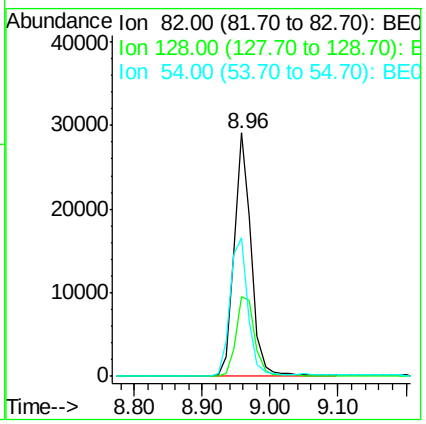


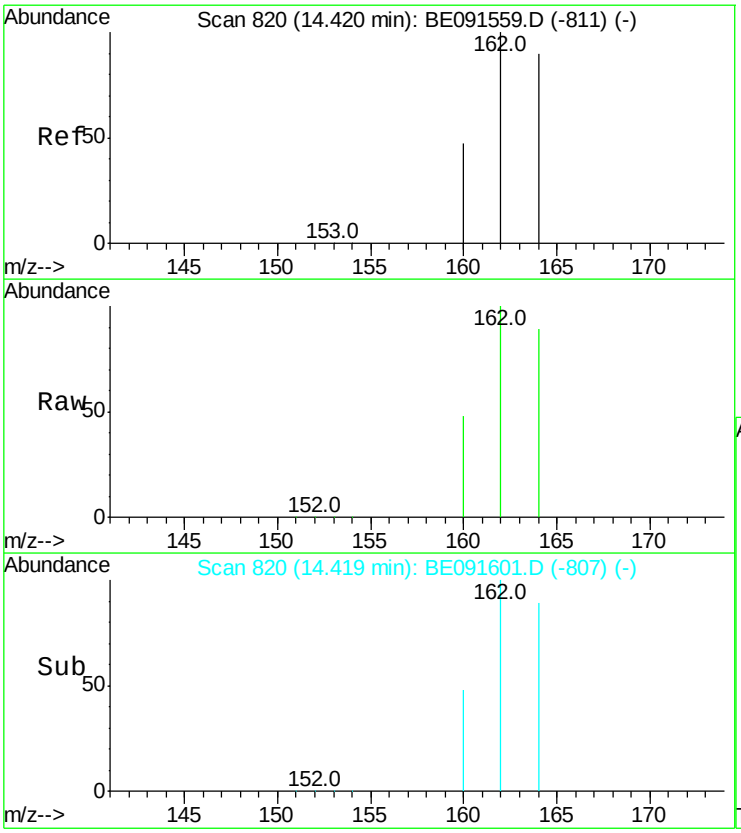

#7
Nitrobenzene-d5
Concen: 3.96 ng
RT: 8.96 min Scan# 392
Delta R.T. -0.02 min
Lab File: BE091601.D
Acq: 1 Apr 2016 21:51

**Instrument :**
BNA_E
**ClientSampleId :**
TILCON-MH-SF-002

Tgt Ion: 82 Resp: 50584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 32.6 | 23.5 | 35.3 |
| 54 | 57.0 | 52.4 | 78.6 |

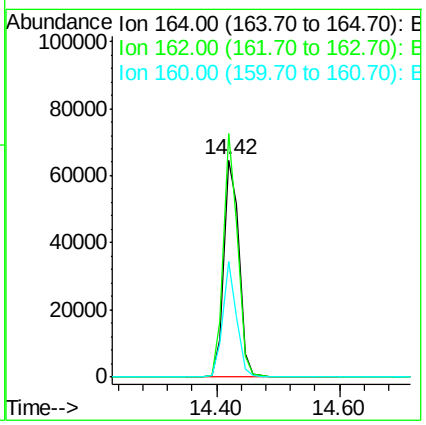


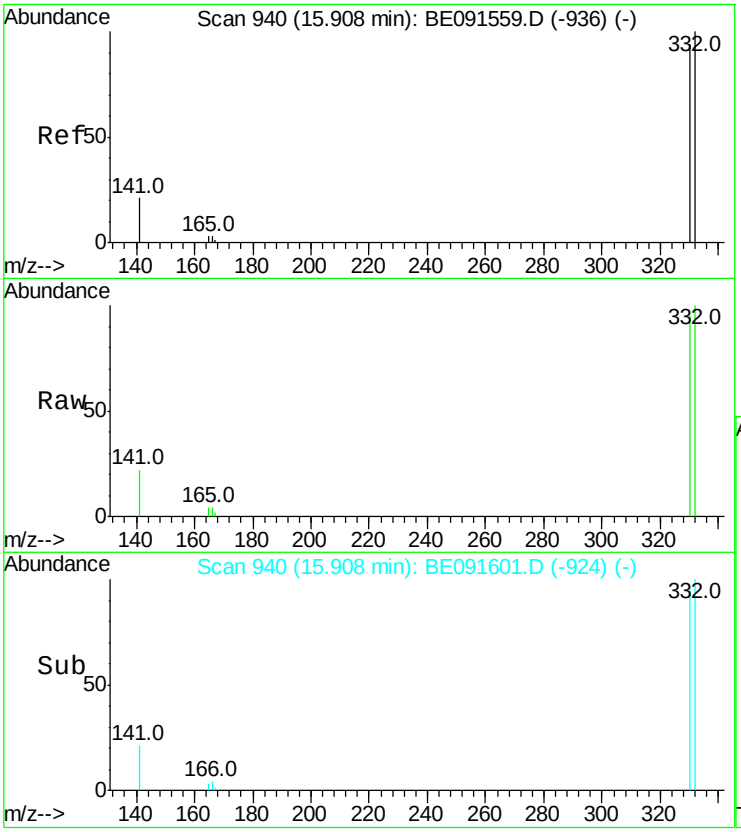




#10
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.42 min Scan# 820
Delta R.T. -0.03 min
Lab File: BE091601.D
Acq: 1 Apr 2016 21:51

Tgt Ion:164 Resp: 110018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 112.3 | 84.4 | 126.6 |
| 160 | 53.5 | 37.7 | 56.5 |



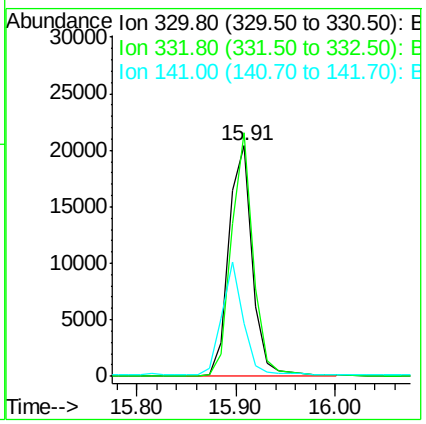


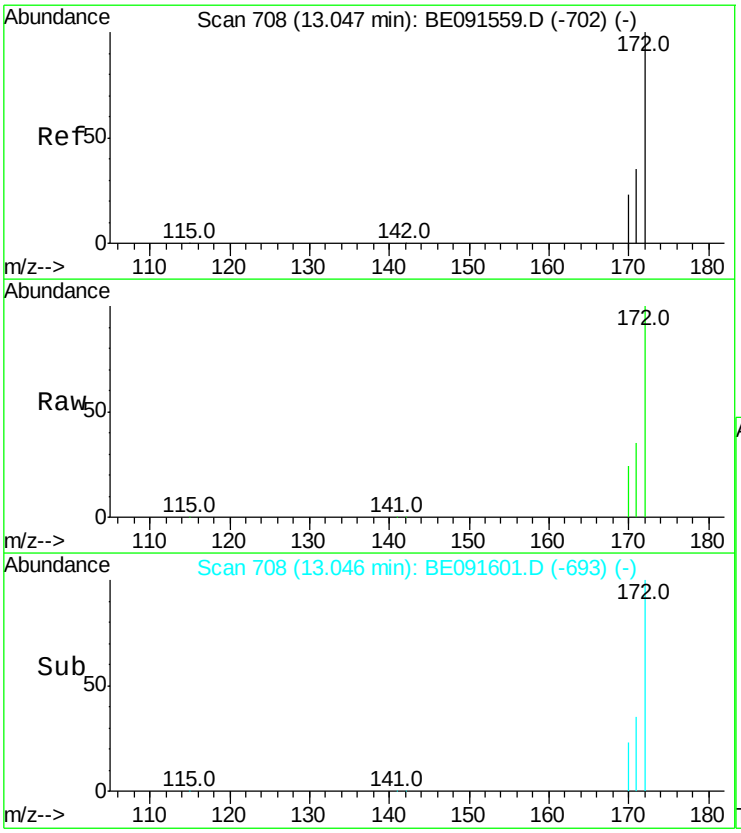

#11
2,4,6-Tribromophenol
Concen: 6.91 ng
RT: 15.91 min Scan# 940
Delta R.T. -0.01 min
Lab File: BE091601.D
Acq: 1 Apr 2016 21:51

**Instrument :**
BNA_E
**ClientSampleId :**
TILCON-MH-SF-002

Tgt Ion:330 Resp: 33677

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.6 | 79.2 | 118.8 |
| 141 | 44.9 | 28.1 | 42.1# |

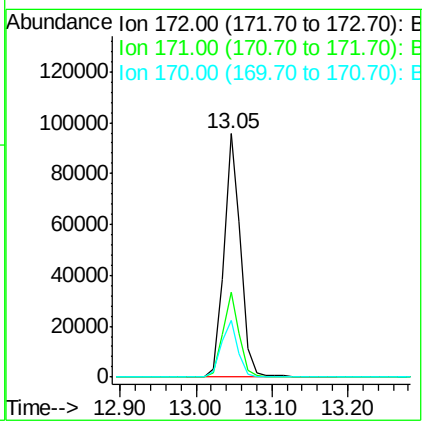


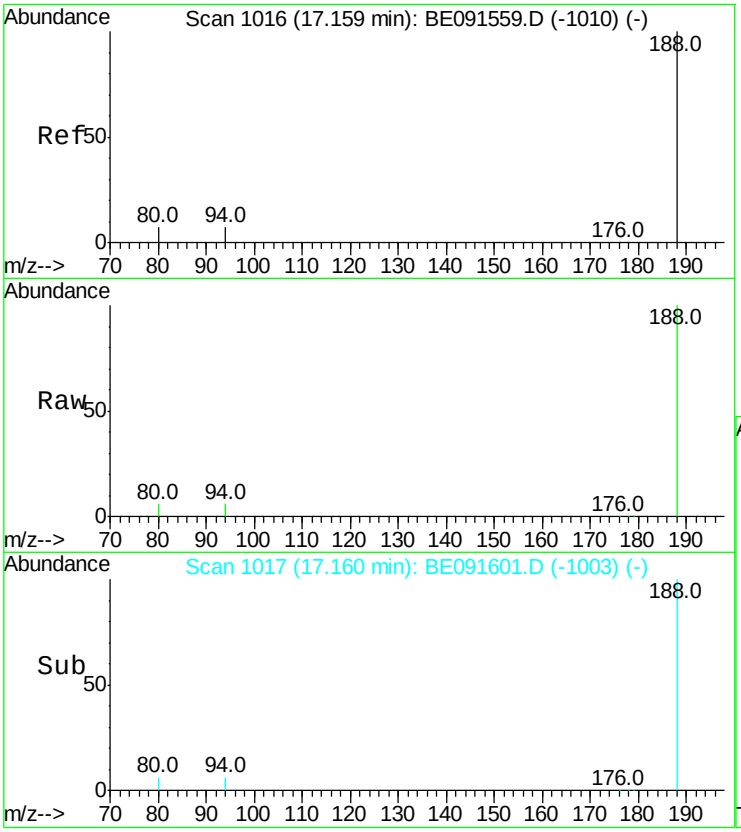




#12
2-Fluorobiphenyl
Concen: 4.75 ng
RT: 13.05 min Scan# 708
Delta R.T. -0.02 min
Lab File: BE091601.D
Acq: 1 Apr 2016 21:51

Tgt Ion:172 Resp: 148387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.0 | 29.8 | 44.8 |
| 170 | 23.5 | 21.4 | 32.2 |



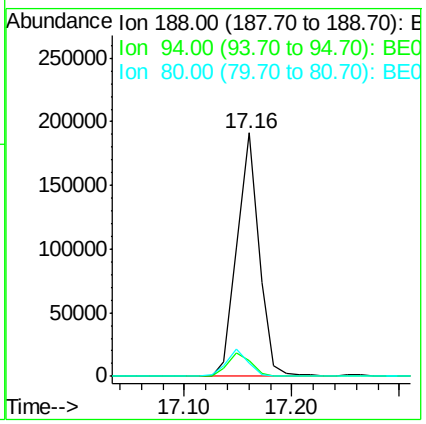


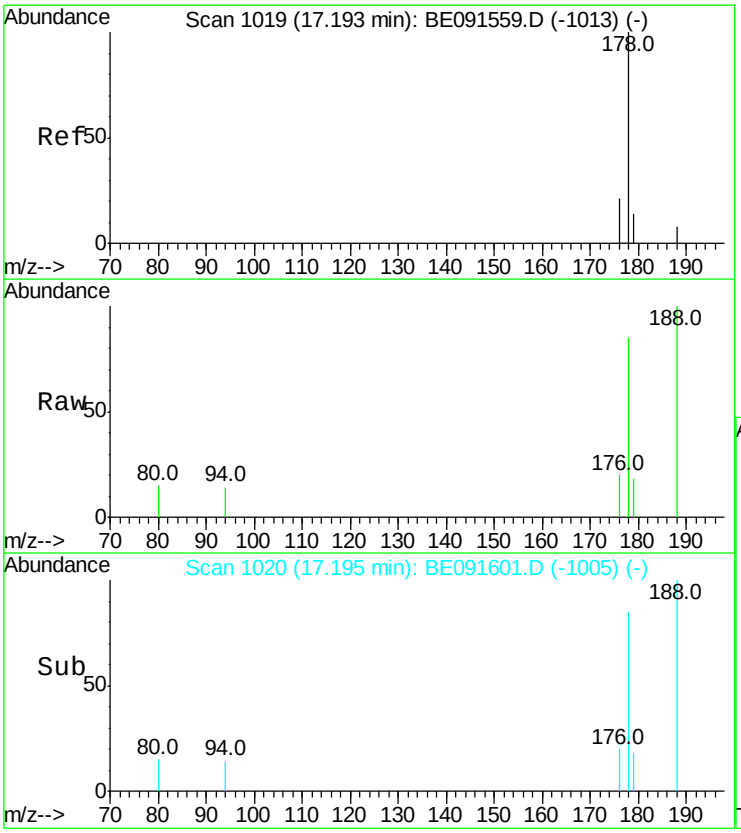

#16
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.16 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BE091601.D
Acq: 1 Apr 2016 21:51

**Instrument :**
BNA_E
**ClientSampleId :**
TILCON-MH-SF-002

Tgt Ion:188 Resp: 271521

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.5 | 5.4 | 8.2 |
| 80 | 5.7 | 5.0 | 7.4 |

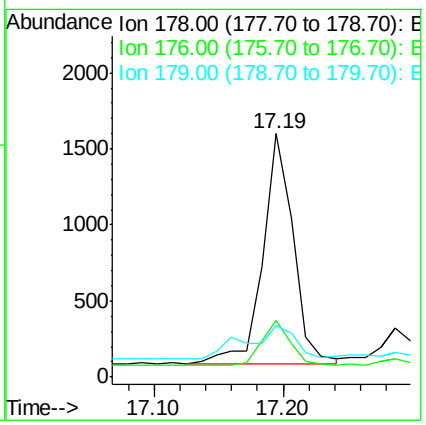


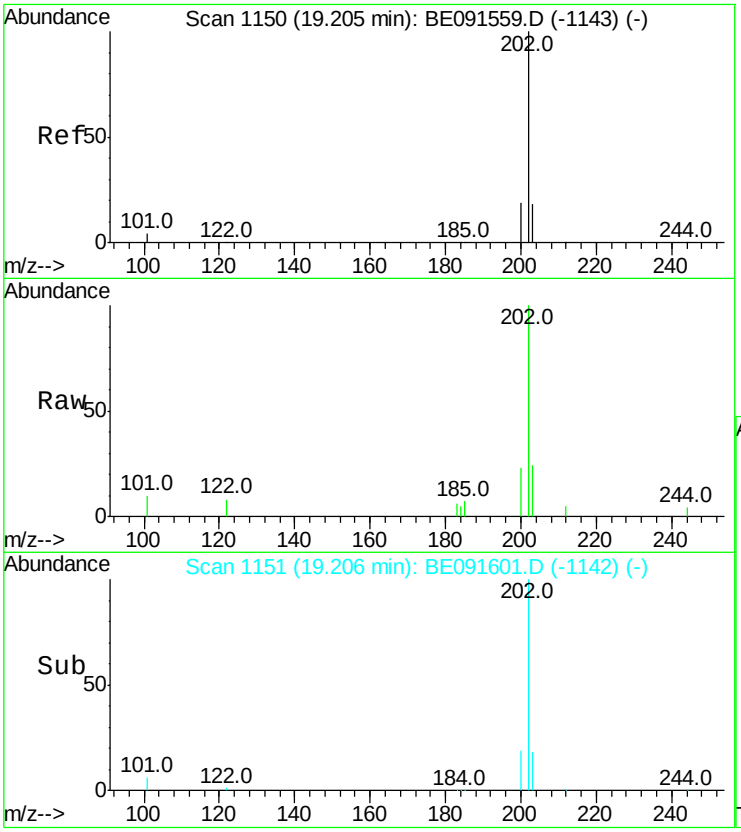




#19
Phenanthrene
Concen: 0.04 ng
RT: 17.19 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BE091601.D
Acq: 1 Apr 2016 21:51

Tgt Ion:178 Resp: 2479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 15.5 | 23.3 |
| 179 | 24.4 | 13.1 | 19.7# |



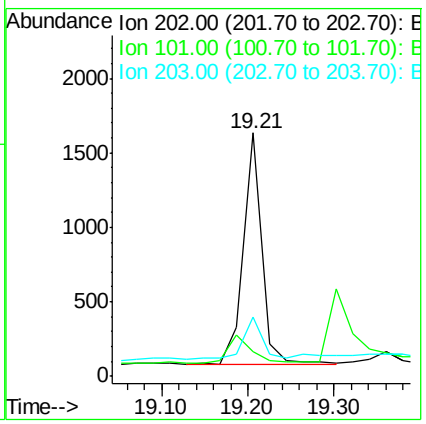


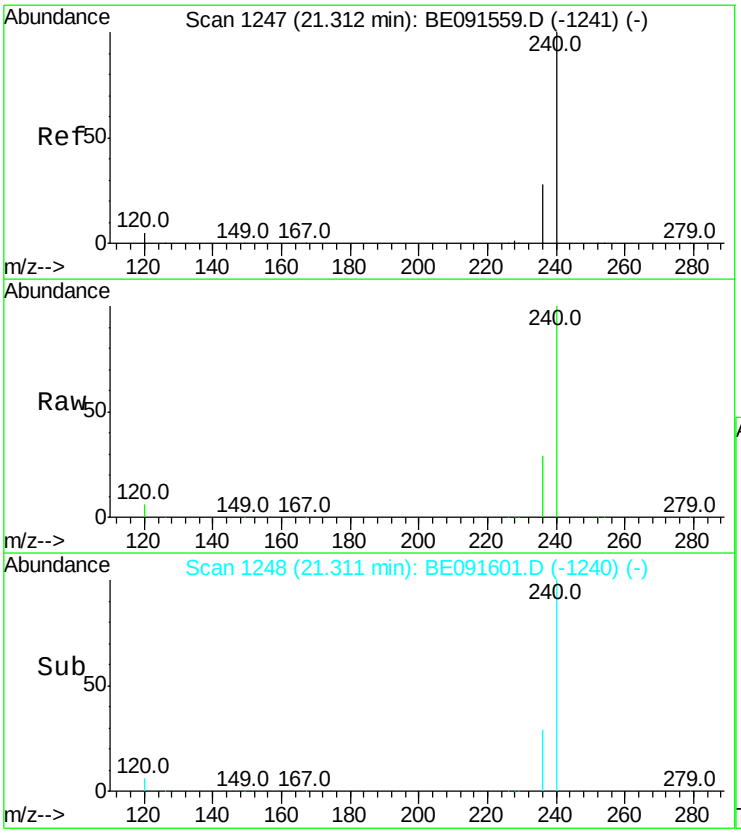

#21
Fluoranthene
Concen: 0.03 ng
RT: 19.21 min Scan# 1151
Delta R.T. -0.02 min
Lab File: BE091601.D
Acq: 1 Apr 2016 21:51

**Instrument :**
BNA_E
**ClientSampleId :**
TILCON-MH-SF-002

Tgt Ion:202 Resp: 2318

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 16.3 | 8.3 | 12.5# |
| 203 | 19.8 | 13.9 | 20.9 |

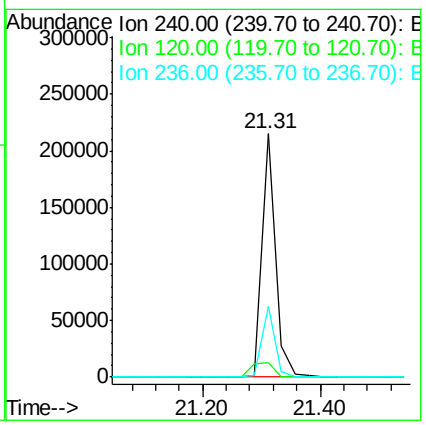


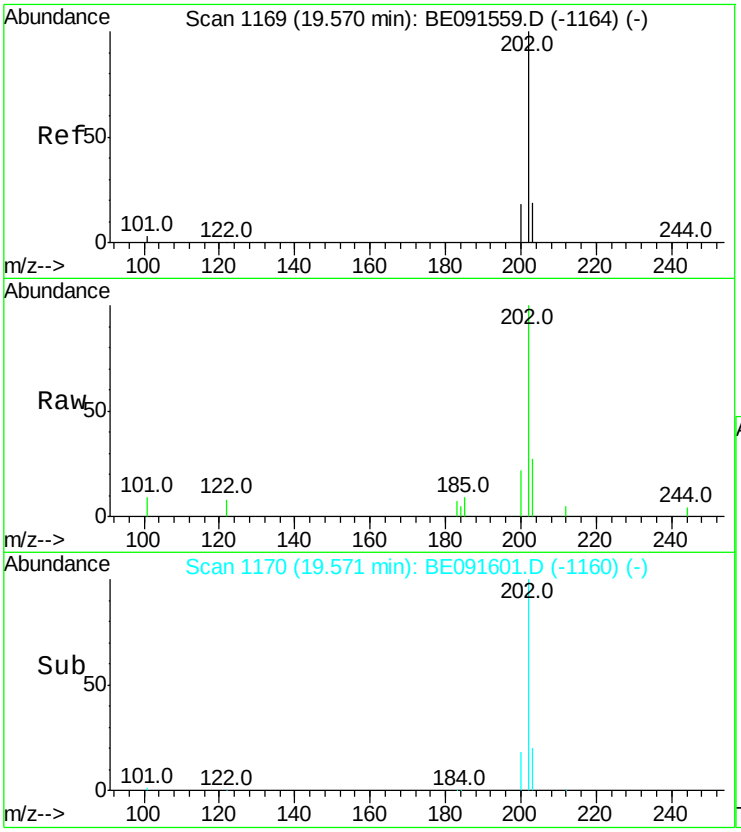




#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.31 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BE091601.D
Acq: 1 Apr 2016 21:51

Tgt Ion:240 Resp: 344662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.0 | 4.0 | 6.0# |
| 236 | 29.2 | 23.0 | 34.4 |



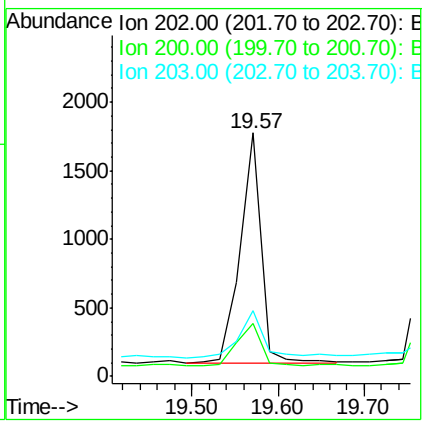


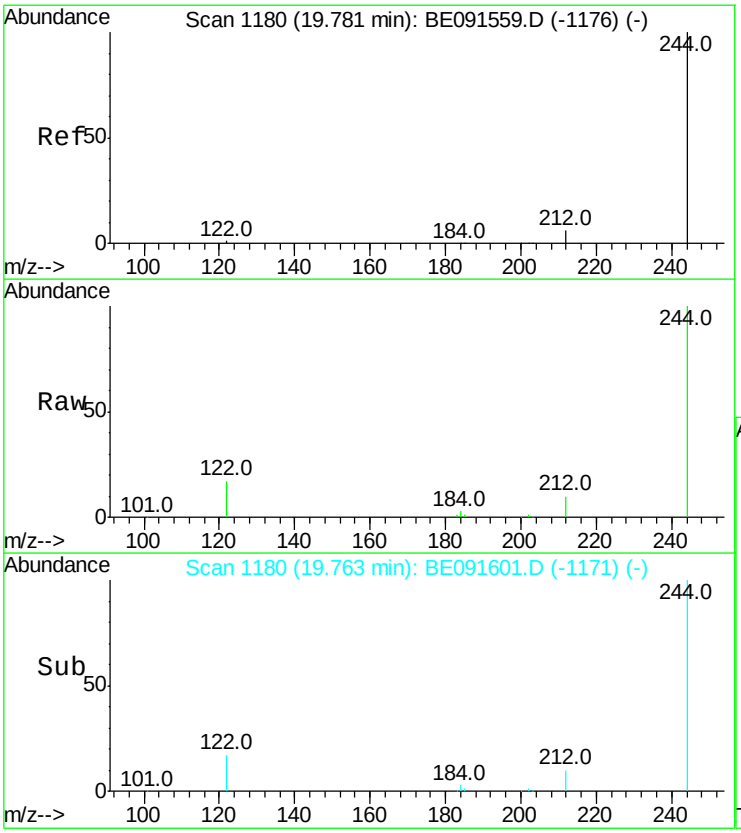

#23
Pyrene
Concen: 0.04 ng
RT: 19.57 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BE091601.D
Acq: 1 Apr 2016 21:51

**Instrument :**
BNA_E
**ClientSampleId :**
TILCON-MH-SF-002

Tgt Ion:202 Resp: 2801

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 16.4 | 24.6 |
| 203 | 23.8 | 14.6 | 21.8# |

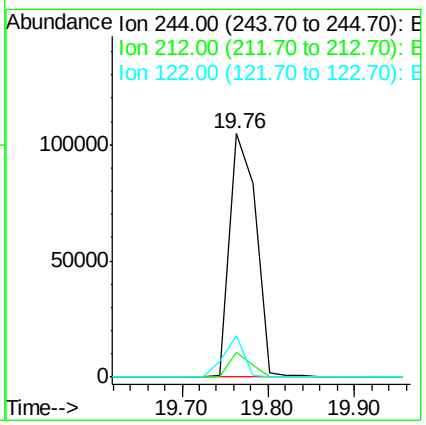


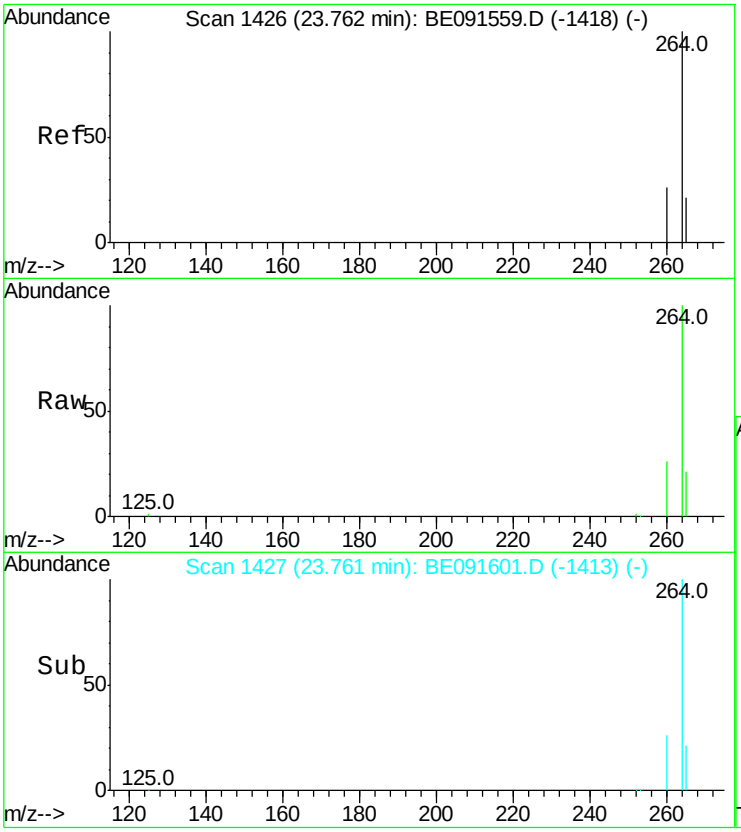




#24
Terphenyl-d14
Concen: 5.05 ng
RT: 19.76 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BE091601.D
Acq: 1 Apr 2016 21:51

Tgt Ion:244 Resp: 220851

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 10.2 | 5.8 | 8.8# |
| 122 | 17.2 | 1.8 | 2.8# |






#28
Perylene-d12
Concen: 5.00 ng
RT: 23.76 min Scan# 1427
Delta R.T. -0.03 min
Lab File: BE091601.D
Acq: 1 Apr 2016 21:51

**Instrument :**
BNA_E
**ClientSampleId :**
TILCON-MH-SF-002

Tgt Ion:264 Resp: 318145

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 26.2 | 20.1 | 30.1 |
| 265 | 21.3 | 18.3 | 27.5 |