Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122617\
Data File : BE095057.D
Acq On : 26 Dec 2017 15:50
Operator : SJ/JU
Sample : I7004-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** C-MW-11-121817

Quant Time: Dec 26 16:52:58 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 18:42:53 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.46 | 152 | 5217 | 0.40 | ng | -0.01 |
| 7) Naphthalene-d8 | 11.31 | 136 | 12524 | 0.40 | ng | -0.02 |
| 13) Acenaphthene-d10 | 15.03 | 164 | 7396 | 0.40 | ng | -0.03 |
| 19) Phenanthrene-d10 | 17.74 | 188 | 17391 | 0.40 | ng | -0.03 |
| 27) Chrysene-d12 | 21.84 | 240 | 19344 | 0.40 | ng | -0.03 |
| 34) Perylene-d12 | 24.49 | 264 | 17626 | 0.40 | ng | -0.06 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 5.94 | 112 | 1256 | 0.16 | ng | -0.01 |
| 5) Phenol-d6 | 7.58 | 99 | 1103 | 0.09 | ng | -0.01 |
| 8) Nitrobenzene-d5 | 9.63 | 82 | 4583 | 0.45 | ng | -0.02 |
| 11) 2-Methylnaphthalene-d10 | 12.84 | 152 | 7323 | 0.36 | ng | -0.02 |
| 14) 2,4,6-Tribromophenol | 16.50 | 330 | 1000 | 0.58 | ng | -0.03 |
| 15) 2-Fluorobiphenyl | 13.68 | 172 | 14151 | 0.43 | ng | -0.02 |
| 25) Fluoranthene-d10 | 19.72 | 212 | 83797 | 0.37 | ng | -0.03 |
| 29) Terphenyl-d14 | 20.28 | 244 | 23217 | 0.64 | ng | -0.03 |
| **Target Compounds** | | | | | | Qvalue |
| 9) Naphthalene | 11.36 | 128 | 11128 | 0.076 | ng | # 98 |
| 23) Phenanthrene | 17.79 | 178 | 2117 | 0.039 | ng | 99 |
| 31) Chrysene | 21.87 | 228 | 1830 | 0.029 | ng | 97 |
| 32) Bis(2-ethylhexyl)phthalate | 21.70 | 149 | 16890 | 0.234 | ng | 98 |

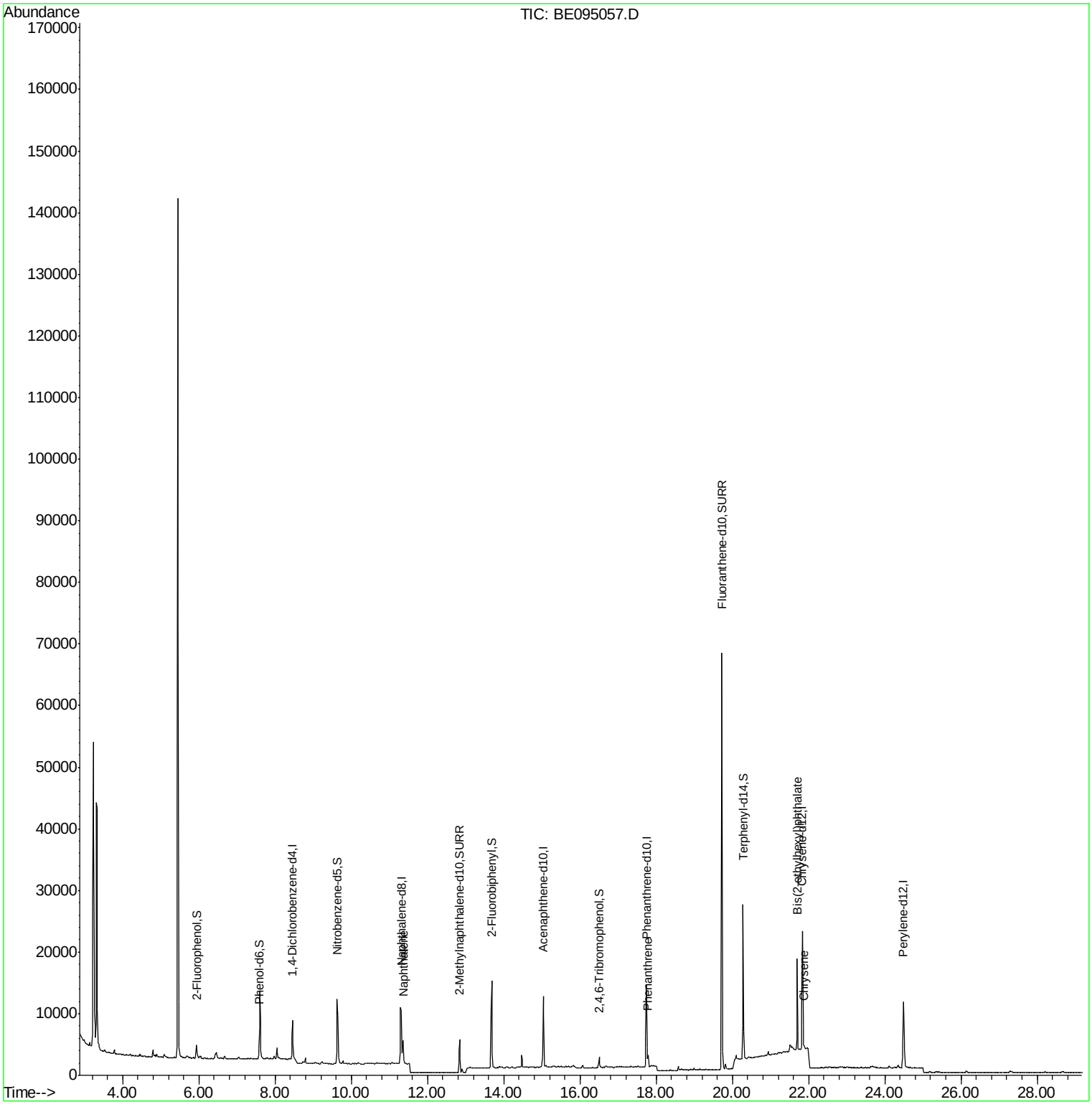
(#) = qualifier out of range (m) = manual integration (+) = signals summed

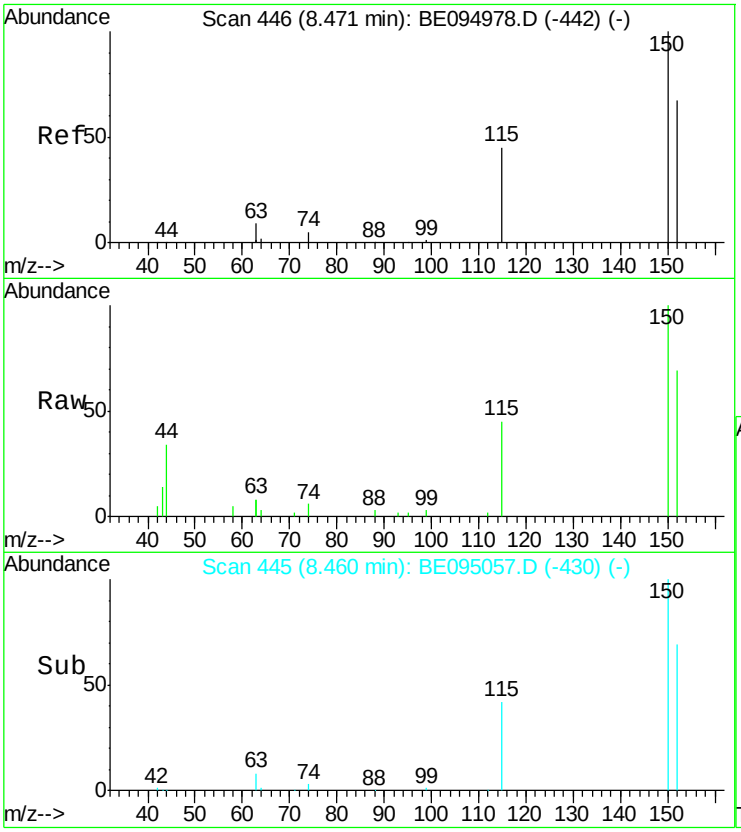
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE122617\
Data File : BE095057.D
Acq On : 26 Dec 2017 15:50
Operator : SJ/JU
Sample : I7004-07
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
C-MW-11-121817

Quant Time: Dec 26 16:52:58 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 18:42:53 2017
Response via : Initial Calibration



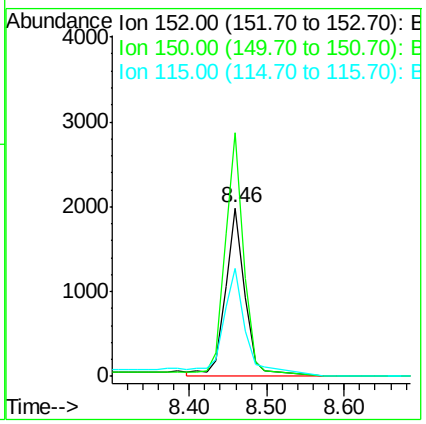


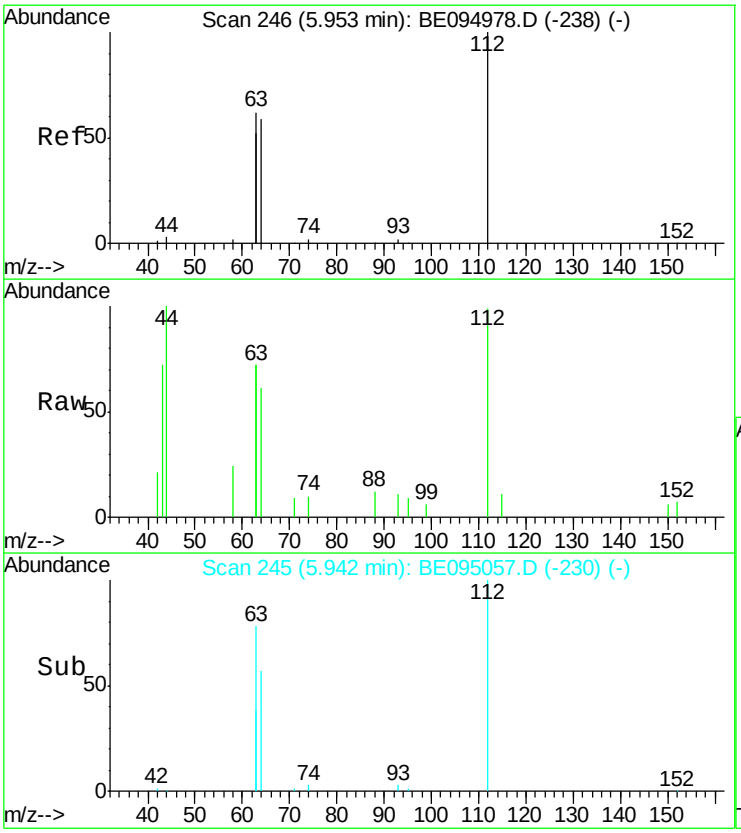

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.46 min Scan# 445
Delta R.T. -0.01 min
Lab File: BE095057.D
Acq: 26 Dec 2017 15:50

**Instrument :**
BNA_E
**ClientSampleId :**
C-MW-11-121817

Tgt Ion:152 Resp: 5217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 144.3 | 117.2 | 175.8 |
| 115 | 64.3 | 57.0 | 85.6 |

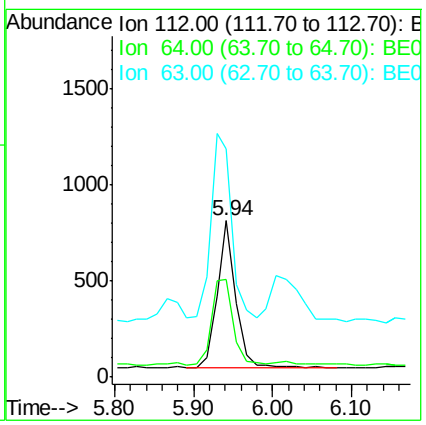


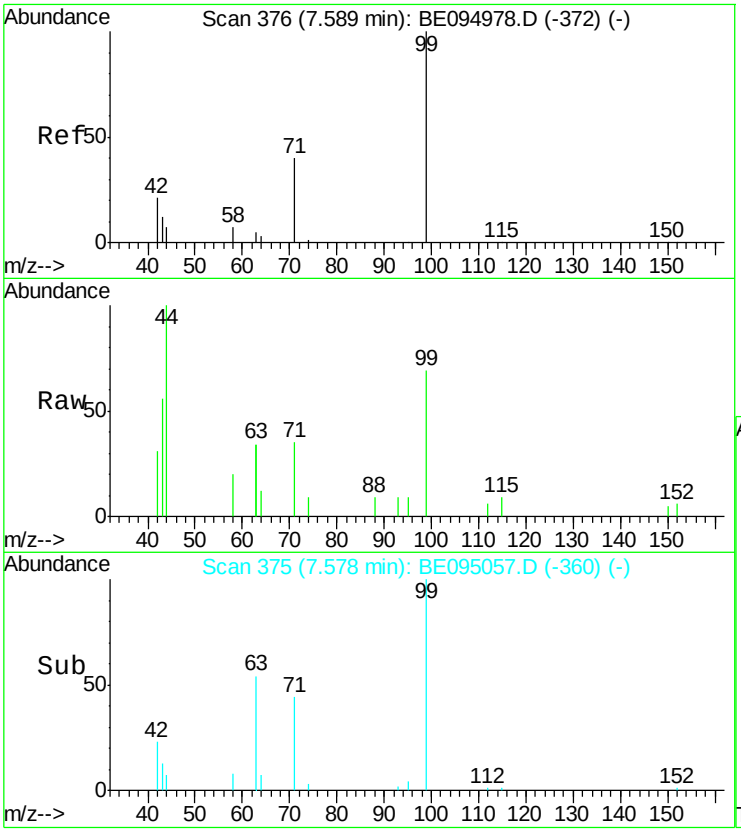




#4
2-Fluorophenol
Concen: 0.155 ng
RT: 5.94 min Scan# 245
Delta R.T. -0.01 min
Lab File: BE095057.D
Acq: 26 Dec 2017 15:50

Tgt Ion:112 Resp: 1256

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 69.2 | 60.1 | 90.1 |
| 63 | 145.2 | 116.8 | 175.2 |



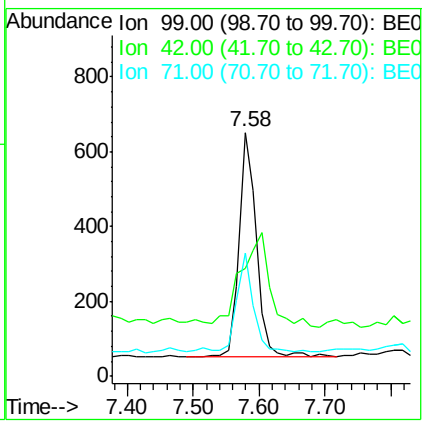


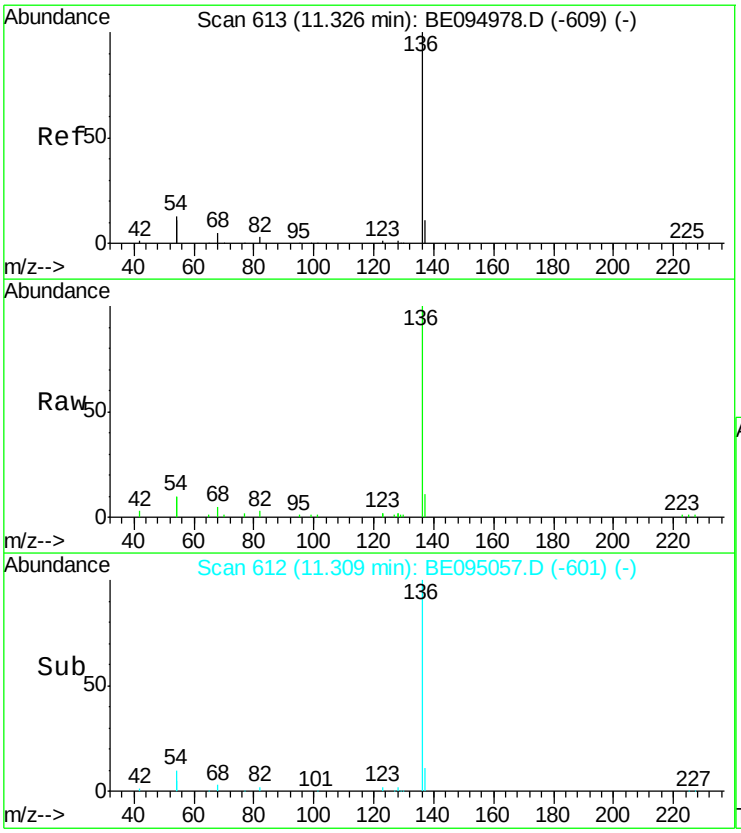

#5
Phenol-d6
Concen: 0.092 ng
RT: 7.58 min Scan# 375
Delta R.T. -0.01 min
Lab File: BE095057.D
Acq: 26 Dec 2017 15:50

**Instrument :**
BNA_E
**ClientSampleId :**
C-MW-11-121817

Tgt Ion: 99 Resp: 1103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 0.0 | 20.2 | 30.2# |
| 71 | 43.8 | 28.4 | 42.6# |

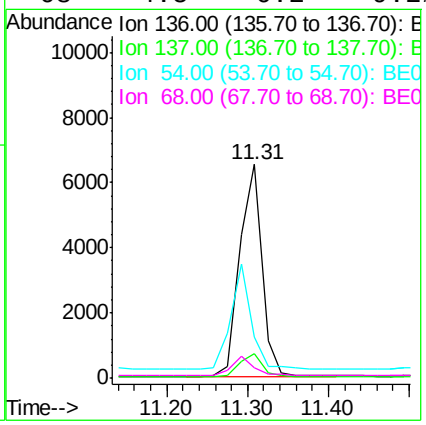


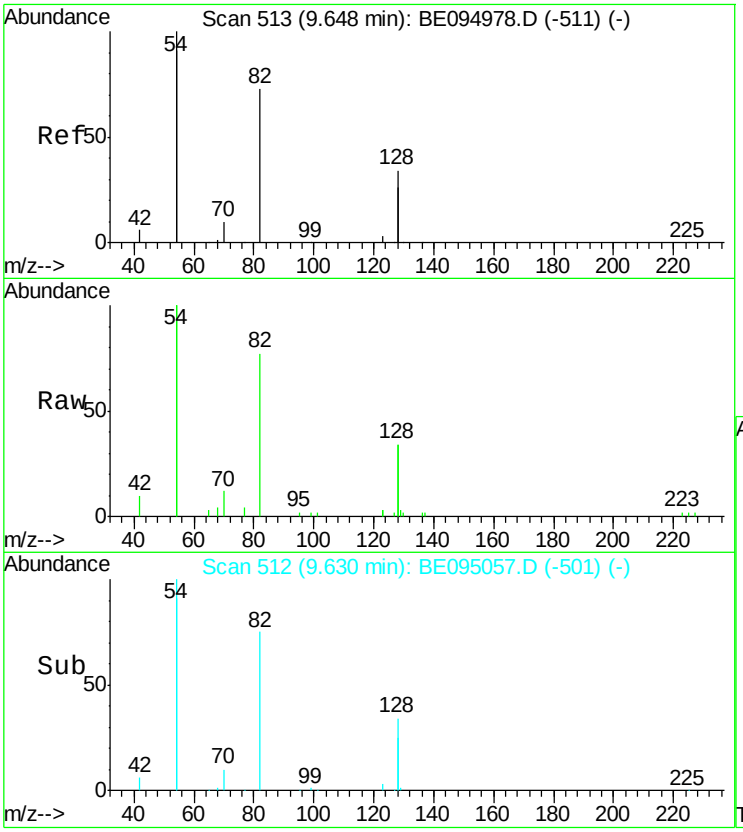




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.31 min Scan# 612
Delta R.T. -0.02 min
Lab File: BE095057.D
Acq: 26 Dec 2017 15:50

Tgt Ion:136 Resp: 12524

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.5 | 9.5 | 14.3 |
| 54 | 19.5 | 29.1 | 43.7# |
| 68 | 4.5 | 6.2 | 9.2# |



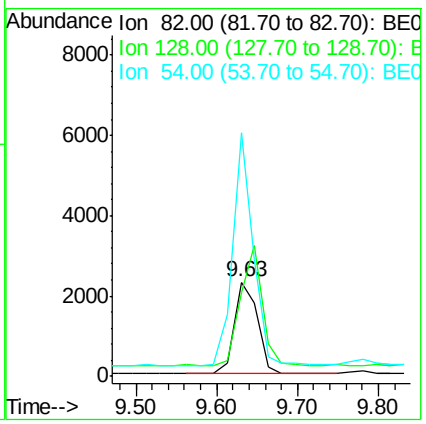


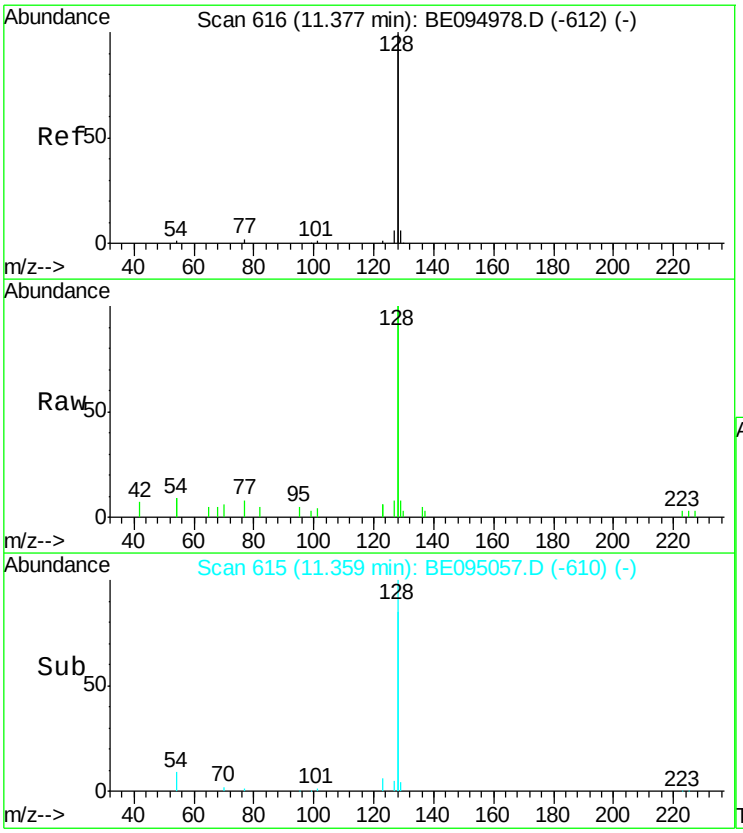

#8
Nitrobenzene-d5
Concen: 0.446 ng
RT: 9.63 min Scan# 512
Delta R.T. -0.02 min
Lab File: BE095057.D
Acq: 26 Dec 2017 15:50

**Instrument :**
BNA_E
**ClientSampleId :**
C-MW-11-121817

Tgt Ion: 82 Resp: 4583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 89.0 | 150.0 | 225.0# |
| 54 | 259.3 | 154.2 | 231.4# |

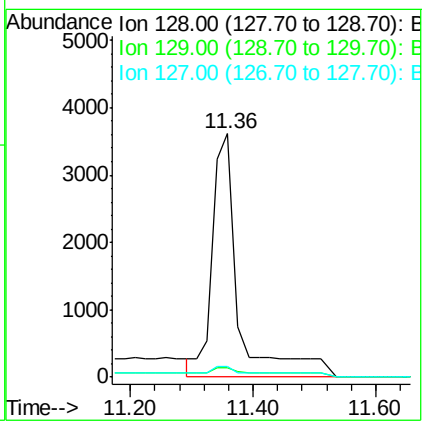


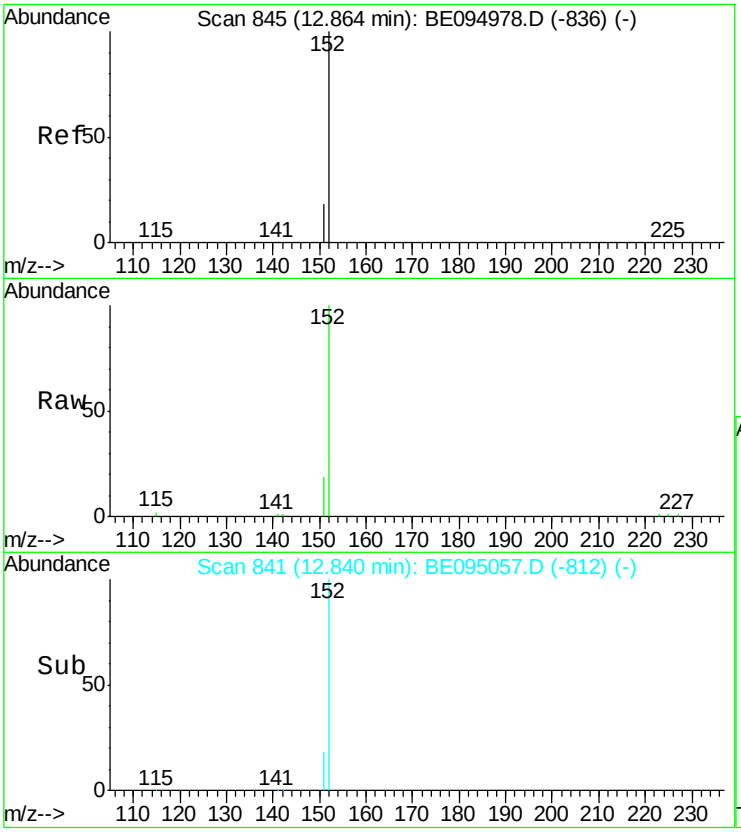




#9
Naphthalene
Concen: 0.076 ng
RT: 11.36 min Scan# 615
Delta R.T. -0.02 min
Lab File: BE095057.D
Acq: 26 Dec 2017 15:50

Tgt Ion:128 Resp: 11128

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 4.1 | 2.6 | 3.8# |
| 127 | 4.1 | 2.8 | 4.2 |



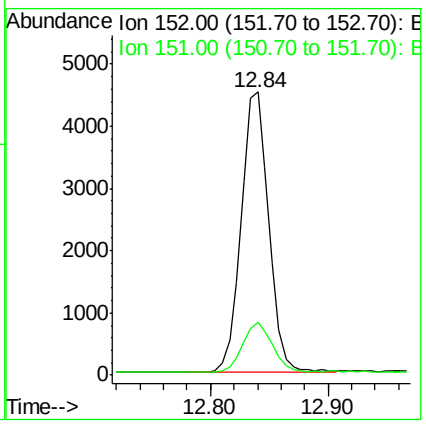


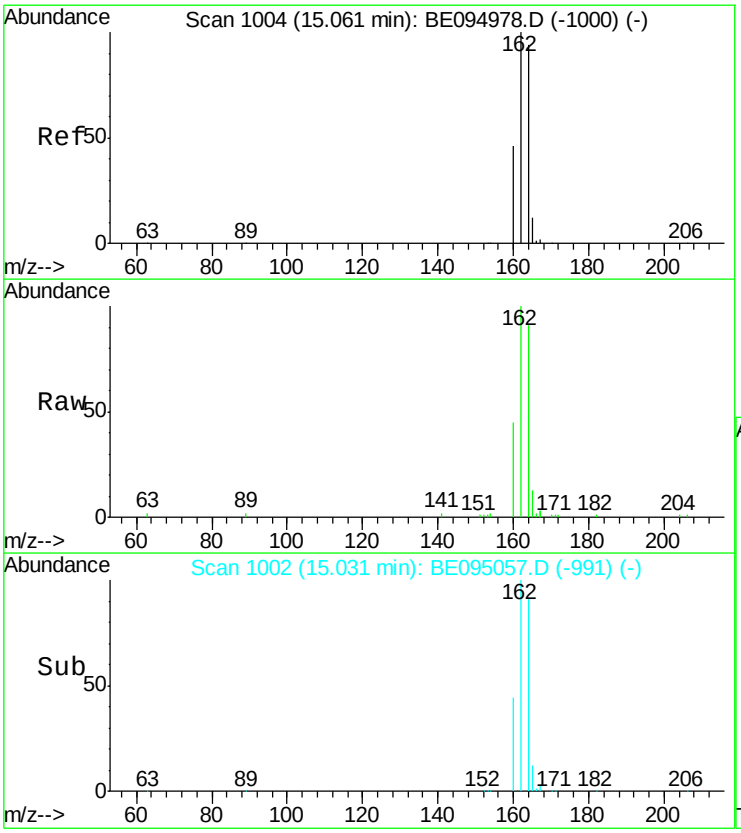

#11
2-Methylnaphthalene-d10
Concen: 0.357 ng
RT: 12.84 min Scan# 841
Delta R.T. -0.02 min
Lab File: BE095057.D
Acq: 26 Dec 2017 15:50

**Instrument :**
BNA_E
**ClientSampleId :**
C-MW-11-121817

Tgt Ion:152 Resp: 7323

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 18.9 | 15.4 | 23.0 |

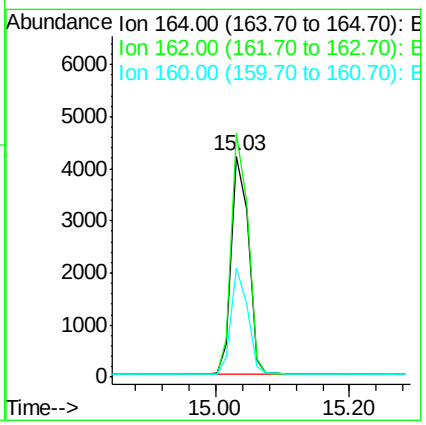


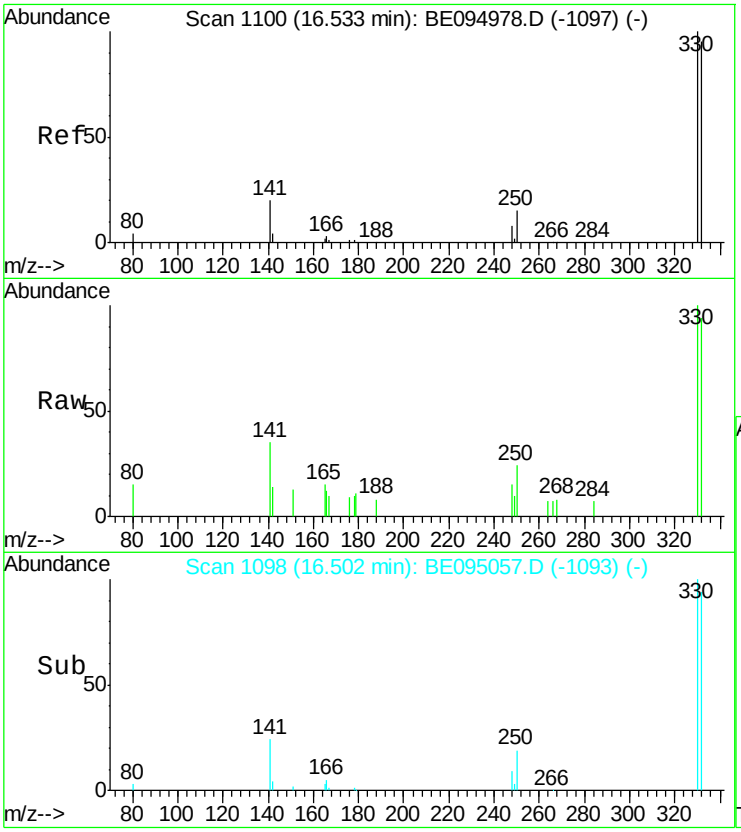




#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.03 min Scan# 1002
Delta R.T. -0.03 min
Lab File: BE095057.D
Acq: 26 Dec 2017 15:50

Tgt Ion:164 Resp: 7396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 110.1 | 83.1 | 124.7 |
| 160 | 49.4 | 37.1 | 55.7 |



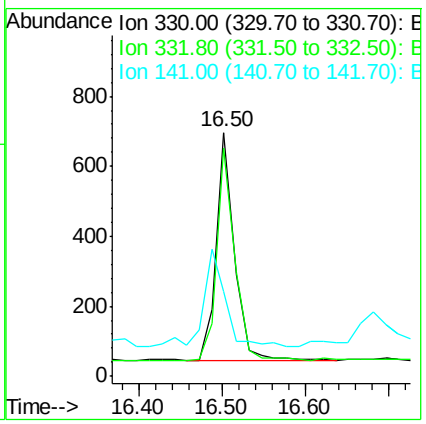


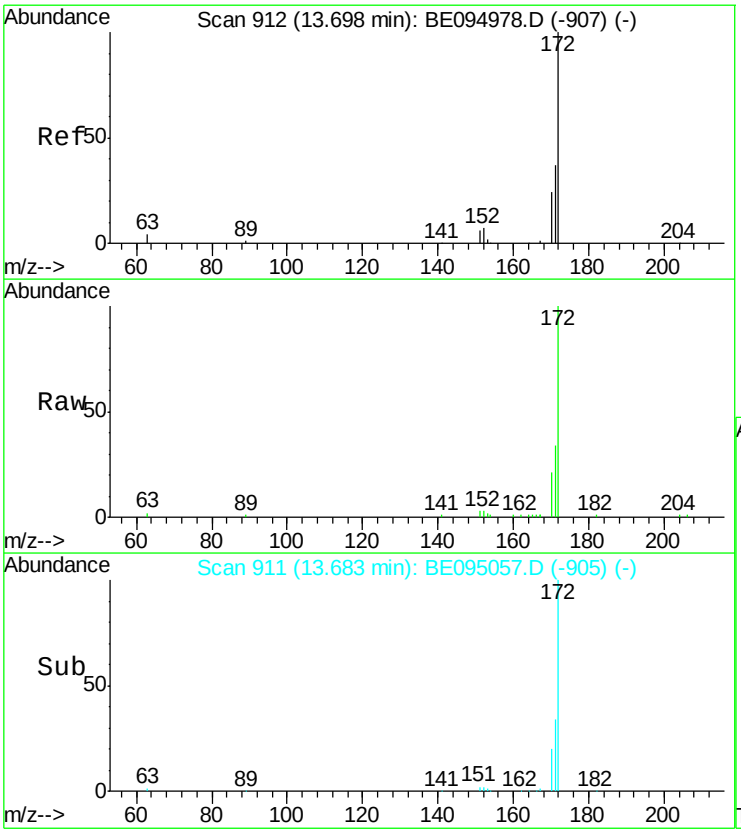

#14
2,4,6-Tribromophenol
Concen: 0.582 ng
RT: 16.50 min Scan# 1098
Delta R.T. -0.03 min
Lab File: BE095057.D
Acq: 26 Dec 2017 15:50

**Instrument :**
BNA_E
**ClientSampleId :**
C-MW-11-121817

Tgt Ion:330 Resp: 1000

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 92.0 | 152.7 | 229.1# |
| 141 | 50.7 | 33.7 | 50.5# |

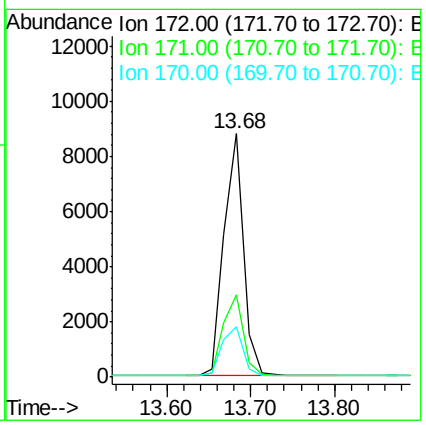


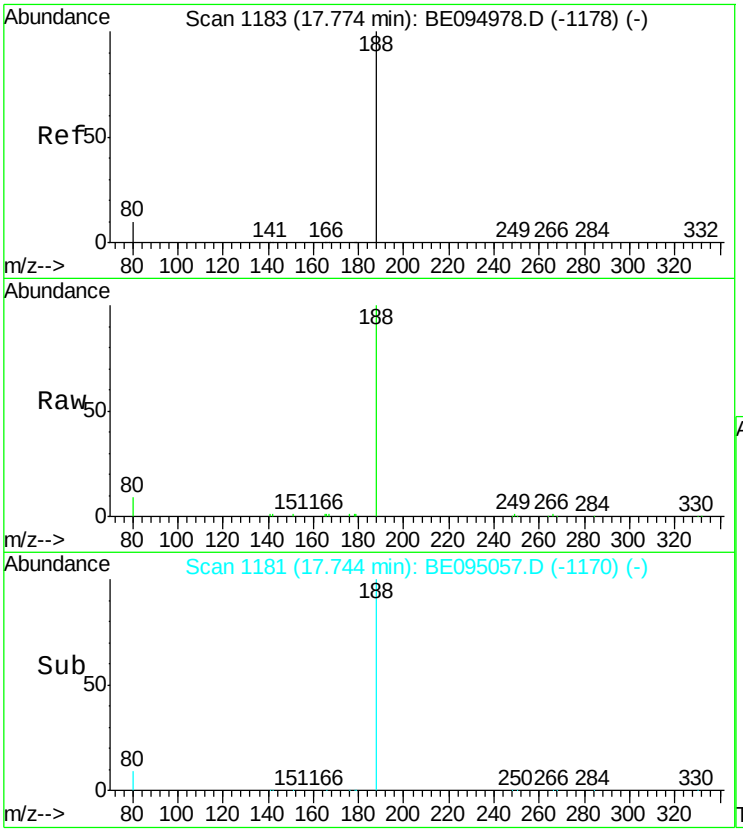




#15
2-Fluorobiphenyl
Concen: 0.432 ng
RT: 13.68 min Scan# 911
Delta R.T. -0.02 min
Lab File: BE095057.D
Acq: 26 Dec 2017 15:50

Tgt Ion:172 Resp: 14151

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.0 | 29.9 | 44.9 |
| 170 | 20.6 | 21.8 | 32.8# |



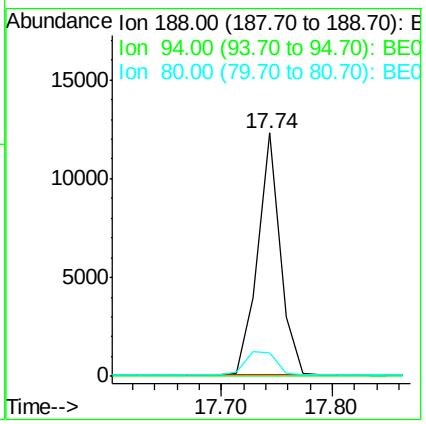


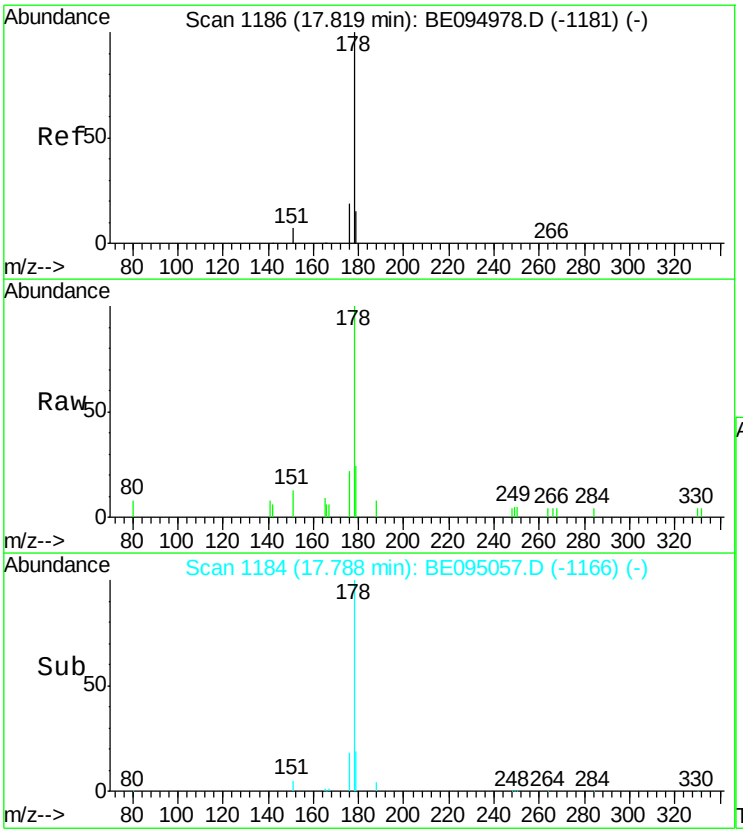

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.74 min Scan# 1181
Delta R.T. -0.03 min
Lab File: BE095057.D
Acq: 26 Dec 2017 15:50

**Instrument :**
BNA_E
**ClientSampleId :**
C-MW-11-121817

Tgt Ion:188 Resp: 17391

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 3.9 | 5.9# |
| 80 | 9.5 | 3.6 | 5.4# |

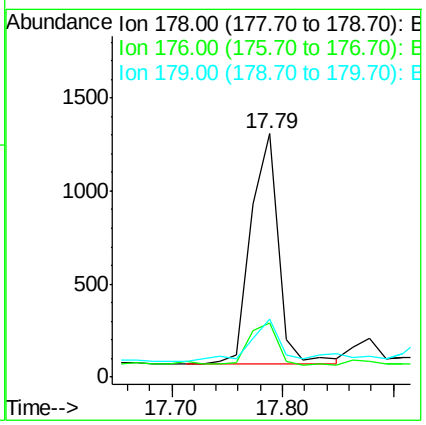


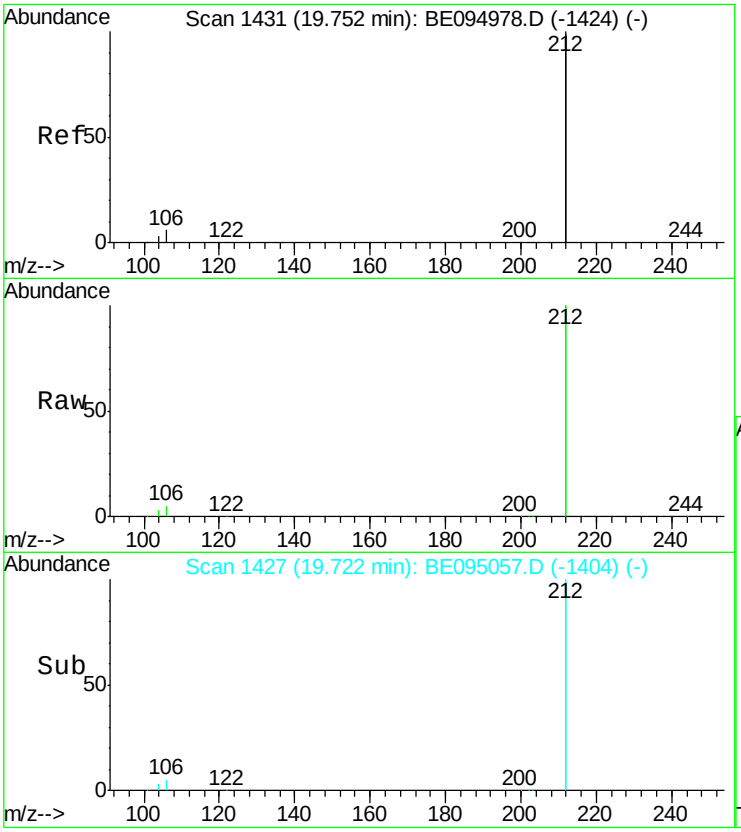




#23
Phenanthrene
Concen: 0.039 ng
RT: 17.79 min Scan# 1184
Delta R.T. -0.03 min
Lab File: BE095057.D
Acq: 26 Dec 2017 15:50

Tgt Ion:178 Resp: 2117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.3 | 15.1 | 22.7 |
| 179 | 15.4 | 11.8 | 17.6 |



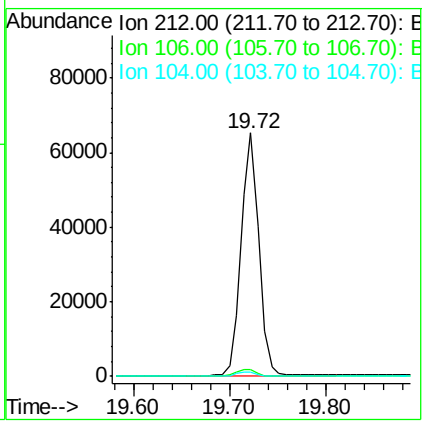


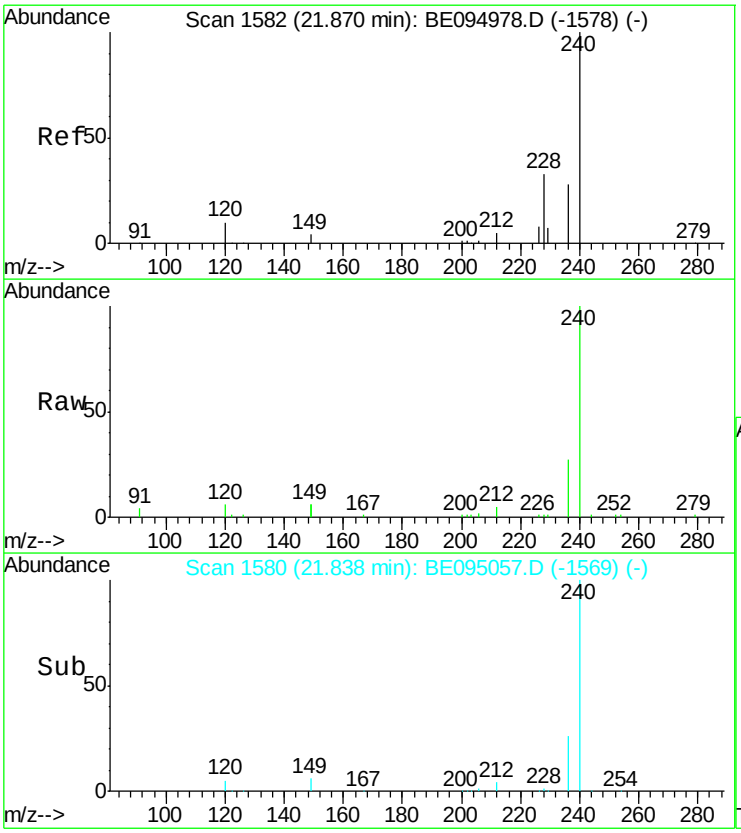

#25
Fluoranthene-d10
Concen: 0.371 ng
RT: 19.72 min Scan# 1427
Delta R.T. -0.03 min
Lab File: BE095057.D
Acq: 26 Dec 2017 15:50

**Instrument :**
BNA_E
**ClientSampleId :**
C-MW-11-121817

Tgt Ion:212 Resp: 83797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 3.0 | 2.8 | 4.2 |
| 104 | 1.8 | 1.6 | 2.4 |

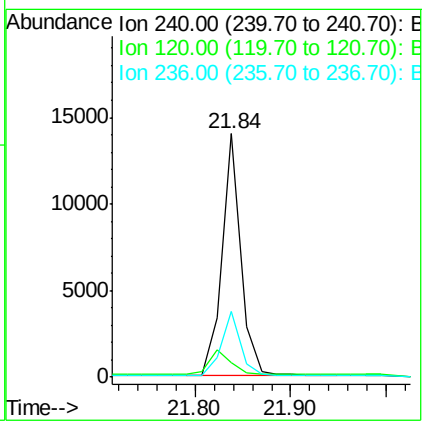


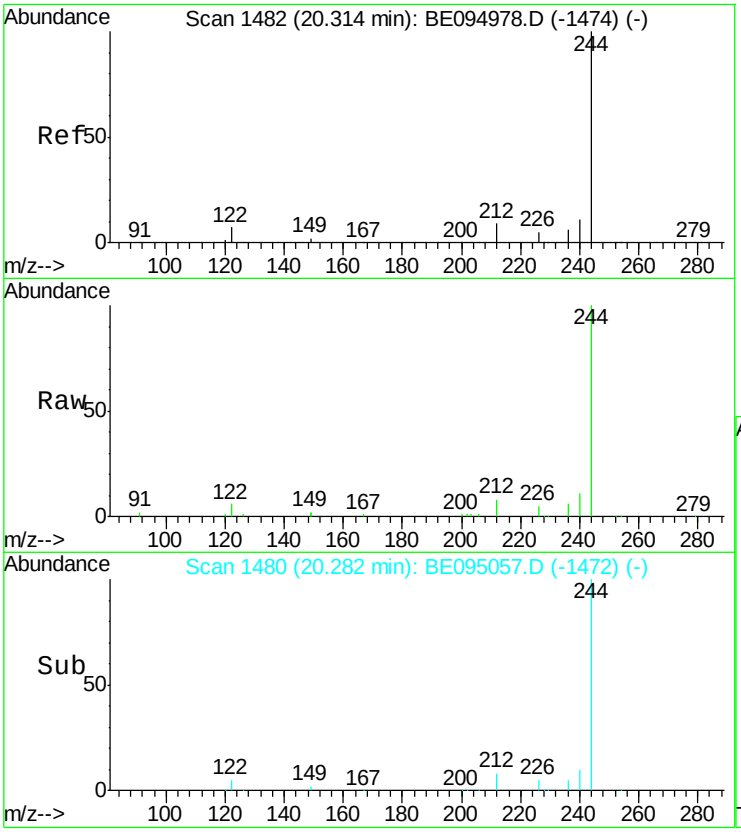




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.84 min Scan# 1580
Delta R.T. -0.03 min
Lab File: BE095057.D
Acq: 26 Dec 2017 15:50

Tgt Ion:240 Resp: 19344

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.0 | 5.5 | 8.3 |
| 236 | 27.0 | 20.7 | 31.1 |



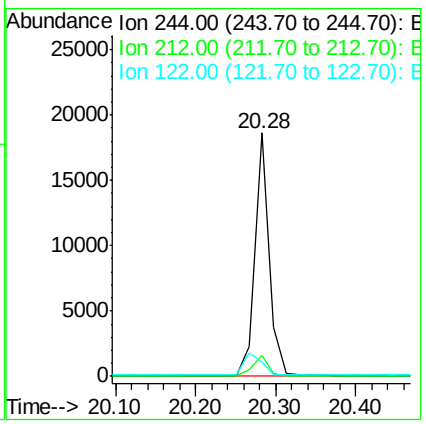


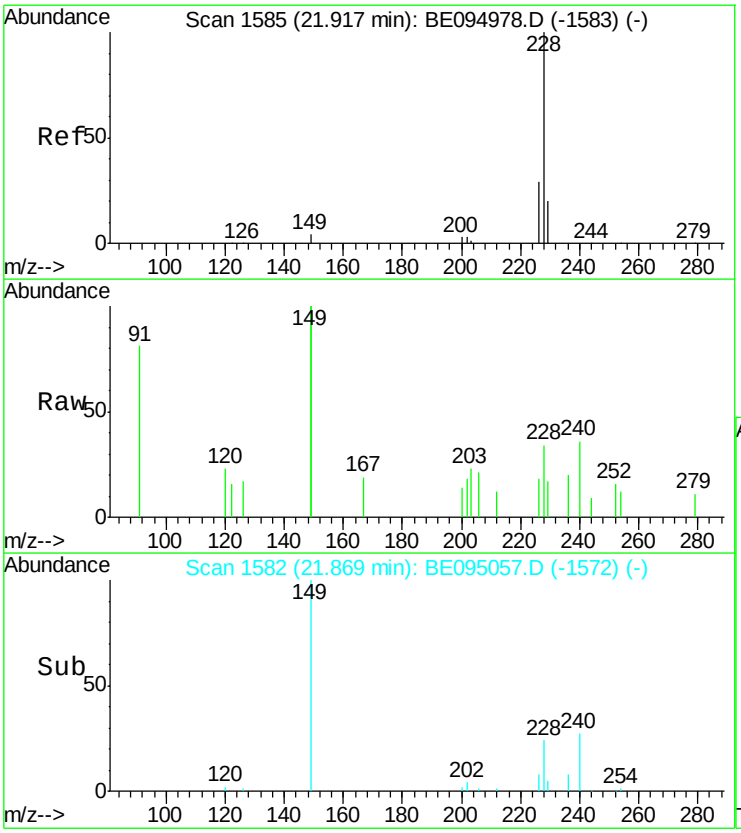

#29
Terphenyl-d14
Concen: 0.638 ng
RT: 20.28 min Scan# 1480
Delta R.T. -0.03 min
Lab File: BE095057.D
Acq: 26 Dec 2017 15:50

**Instrument :**
BNA_E
**ClientSampleId :**
C-MW-11-121817

Tgt Ion:244 Resp: 23217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.4 | 25.4 | 38.0# |
| 122 | 5.8 | 8.1 | 12.1# |

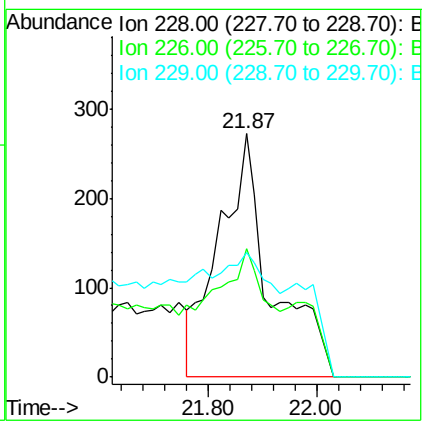


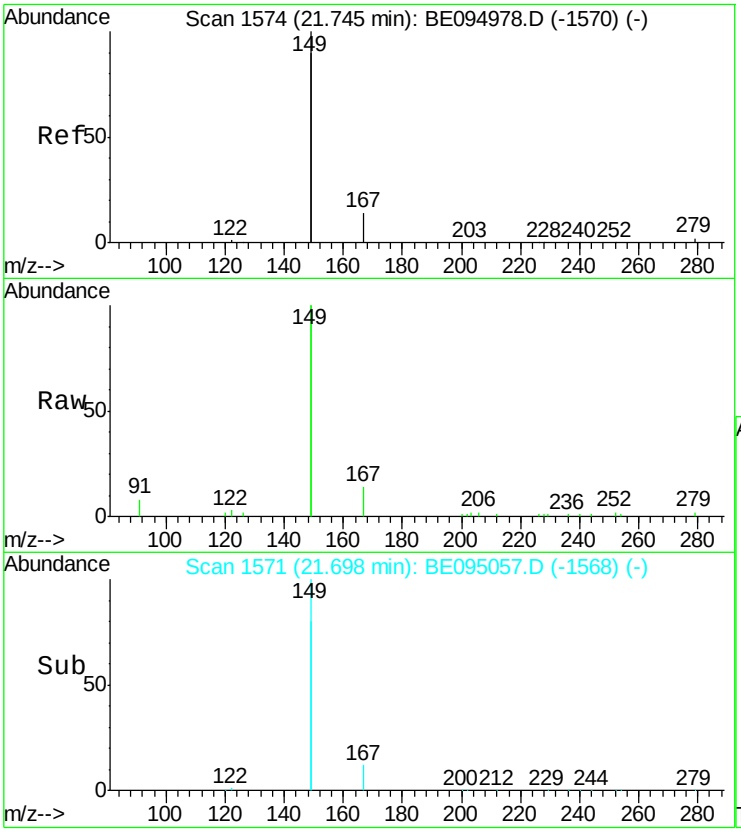




#31
Chrysene
Concen: 0.029 ng
RT: 21.87 min Scan# 1582
Delta R.T. -0.05 min
Lab File: BE095057.D
Acq: 26 Dec 2017 15:50

Tgt Ion:228 Resp: 1830

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 52.9 | 40.0 | 60.0 |
| 229 | 51.5 | 40.0 | 60.0 |



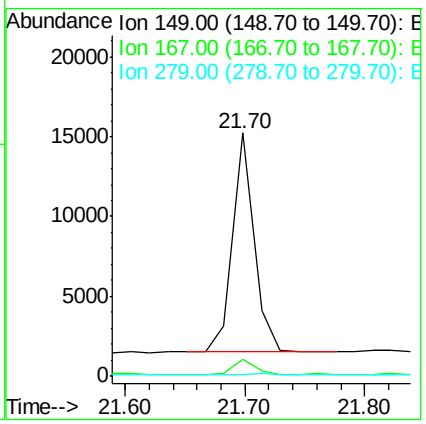


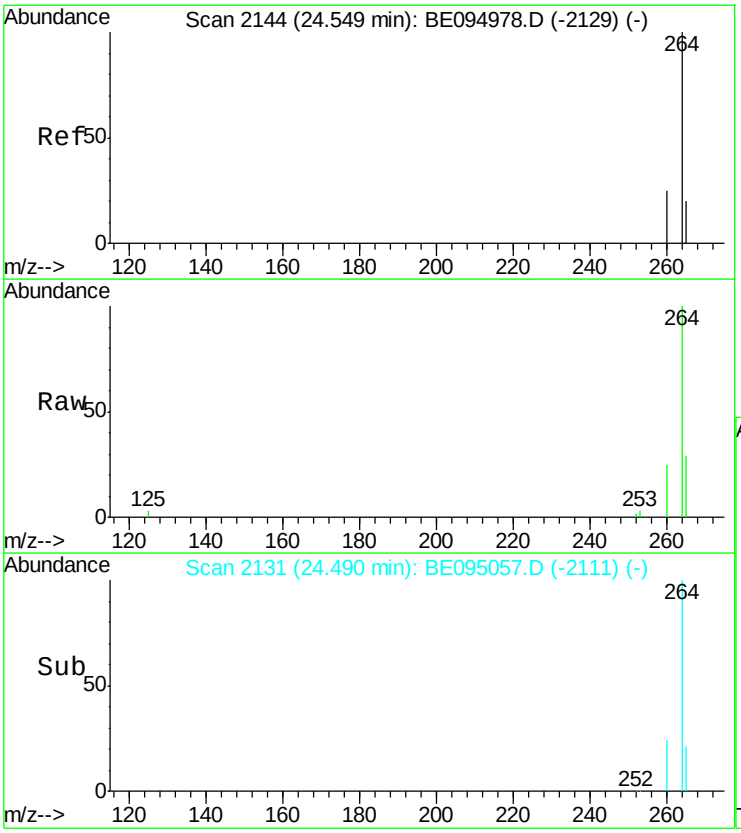

#32
Bis(2-ethylhexyl)phthalate
Concen: 0.234 ng
RT: 21.70 min Scan# 1571
Delta R.T. -0.05 min
Lab File: BE095057.D
Acq: 26 Dec 2017 15:50

**Instrument :**
BNA_E
**ClientSampleId :**
C-MW-11-121817

Tgt Ion:149 Resp: 16890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 7.4 | 5.4 | 8.0 |
| 279 | 0.8 | 0.7 | 1.1 |




#34
Perylene-d12
Concen: 0.400 ng
RT: 24.49 min Scan# 2131
Delta R.T. -0.06 min
Lab File: BE095057.D
Acq: 26 Dec 2017 15:50

Tgt Ion:264 Resp: 17626

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.6 | 20.5 | 30.7 |
| 265 | 28.6 | 22.8 | 34.2 |