Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061217\
Data File : BE093103.D
Acq On : 12 Jun 2017 14:06
Operator : SJ/MA
Sample : I3523-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :**

Quant Time: Jun 13 01:10:24 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE061217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 12 14:07:54 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.75 | 152 | 475 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.52 | 136 | 2196 | 0.40 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.37 | 164 | 1164 | 0.40 | ng | | 0.00 |
| 19) Phenanthrene-d10 | 17.13 | 188 | 2477 | 0.40 | ng | | 0.00 |
| 27) Chrysene-d12 | 21.27 | 240 | 3523 | 0.40 | ng | | 0.00 |
| 34) Perylene-d12 | 23.67 | 264 | 2888 | 0.40 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.34 | 112 | 198 | 0.14 | ng | | 0.00 |
| 5) Phenol-d6 | 6.90 | 99 | 180 | 0.09 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.88 | 82 | 608 | 0.35 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.11 | 152 | 1052 | 0.32 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.85 | 330 | 85 | 0.32 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 12.99 | 172 | 1870 | 0.38 | ng | | 0.00 |
| 25) Fluoranthene-d10 | 19.11 | 212 | 2691 | 0.33 | ng | | 0.00 |
| 29) Terphenyl-d14 | 19.72 | 244 | 2683 | 0.39 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.29 | 88 | 21 | 0.02 | ng | # | 20 |
| 9) Naphthalene | 10.56 | 128 | 466 | 0.08 | ng | # | 66 |
| 17) Acenaphthene | 14.44 | 154 | 73 | 0.02 | ng | | 94 |
| 18) Fluorene | 15.41 | 166 | 48 | 0.01 | ng | # | 93 |
| 22) Pentachlorophenol | 16.79 | 266 | 5 | 0.01 | ng | # | 81 |
| 32) Bis(2-ethylhexyl)phthalate | 21.18 | 149 | 1993 | 0.51 | ng | | 94 |

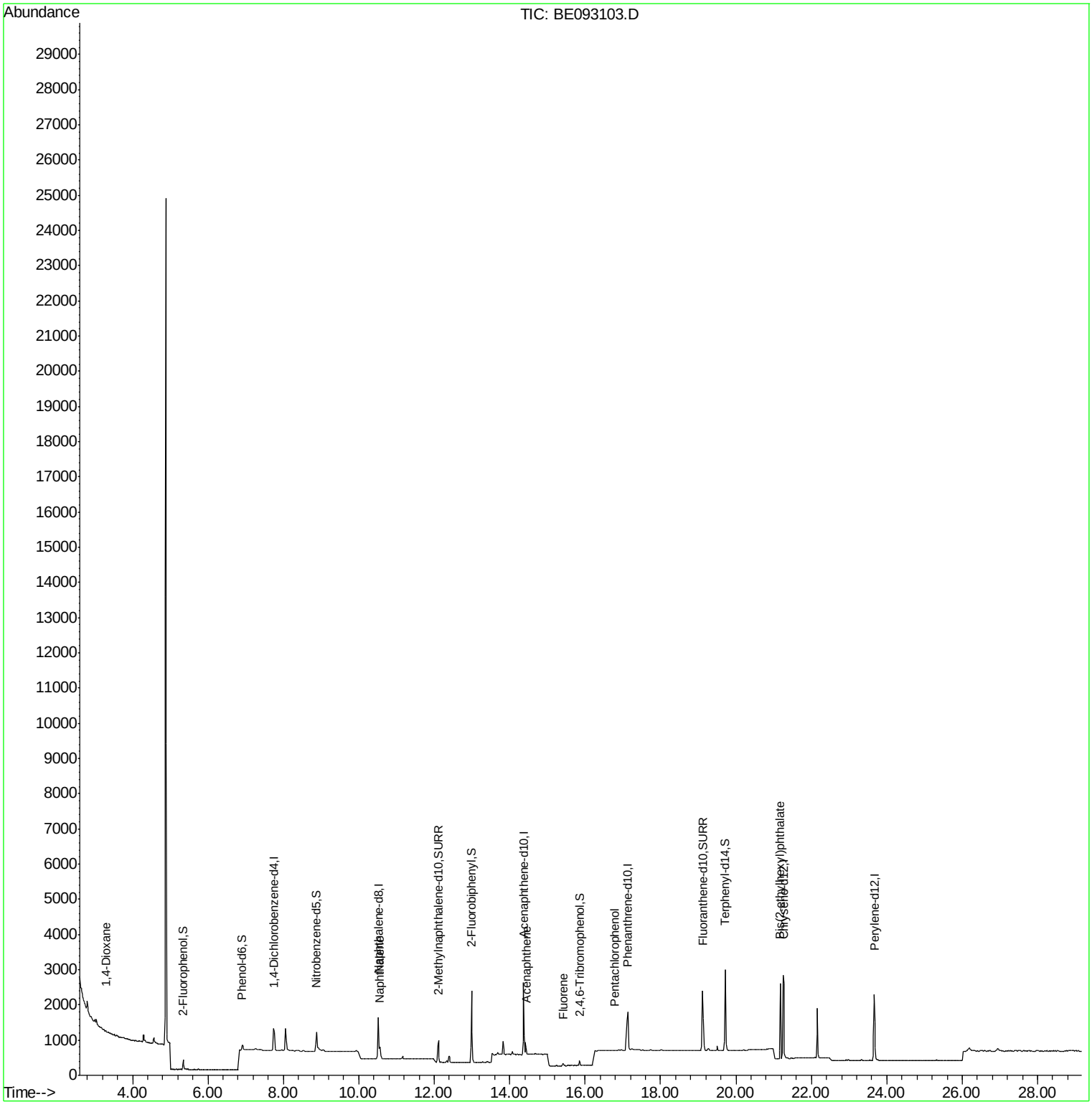
(#) = qualifier out of range (m) = manual integration (+) = signals summed

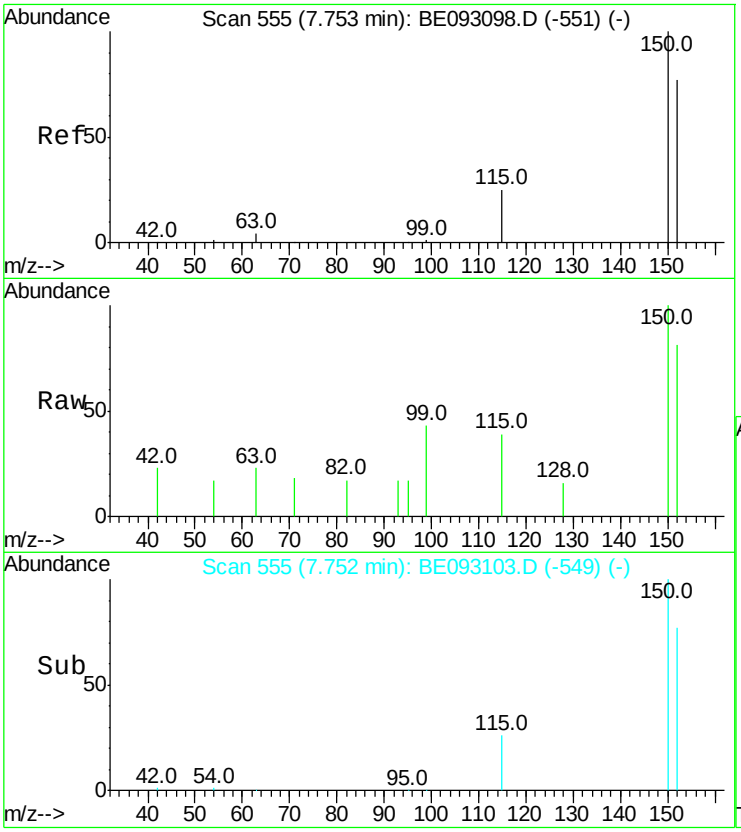
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE061217\
Data File : BE093103.D
Acq On : 12 Jun 2017 14:06
Operator : SJ/MA
Sample : I3523-02
Misc :
ALS Vial : 10 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**

Quant Time: Jun 13 01:10:24 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE061217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 12 14:07:54 2017
Response via : Initial Calibration



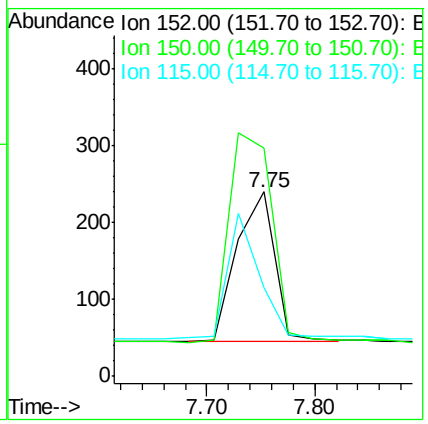


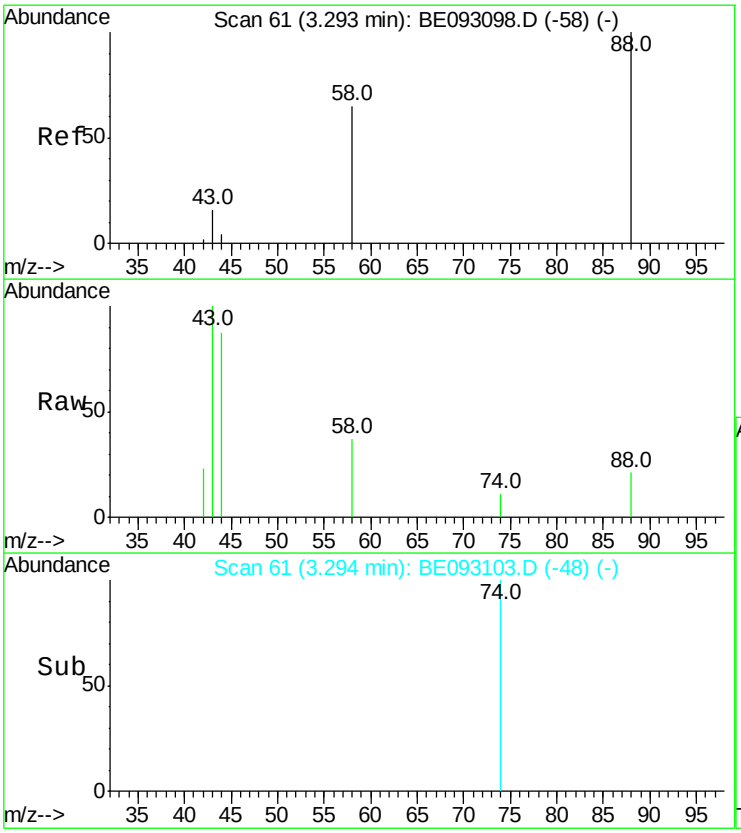

#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.75 min Scan# 555
Delta R.T. -0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:152 Resp: 475

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 124.2 | 125.1 | 187.7# |
| 115 | 48.3 | 55.7 | 83.5# |

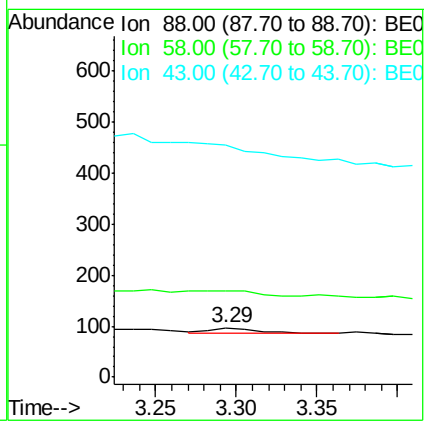


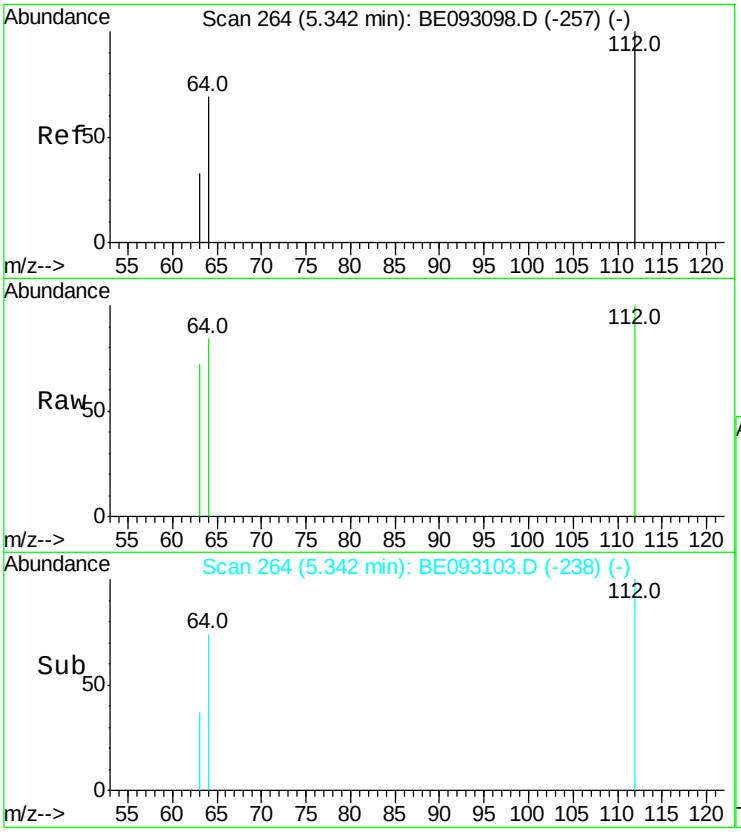




#2
1,4-Dioxane
Concen: 0.02 ng
RT: 3.29 min Scan# 61
Delta R.T. 0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

Tgt Ion: 88 Resp: 21

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 0.0 | 62.2 | 93.4# |
| 43 | 0.0 | 23.2 | 34.8# |



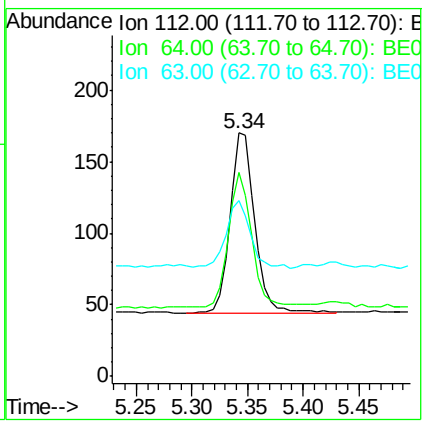


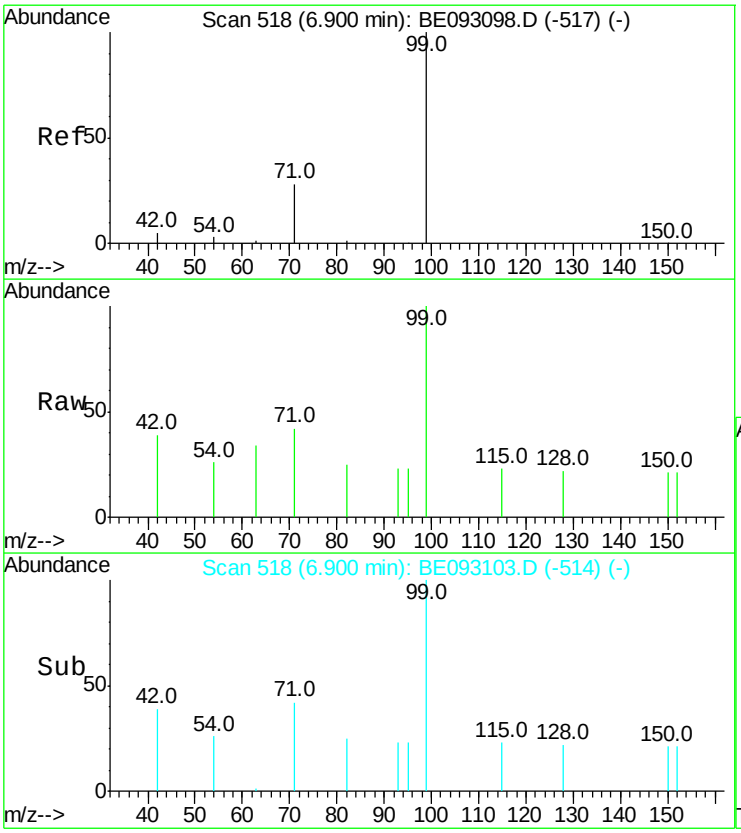

#4
2-Fluorophenol
Concen: 0.14 ng
RT: 5.34 min Scan# 264
Delta R.T. 0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:112 Resp: 198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.7 | 56.4 | 84.6 |
| 63 | 37.9 | 29.3 | 43.9 |

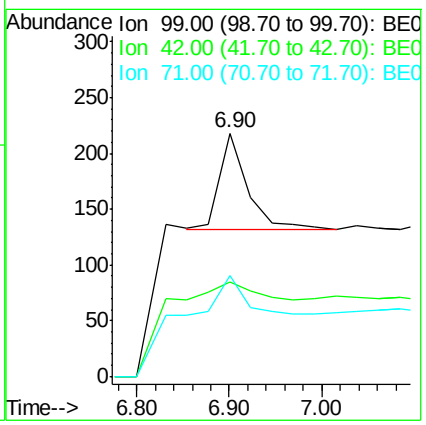


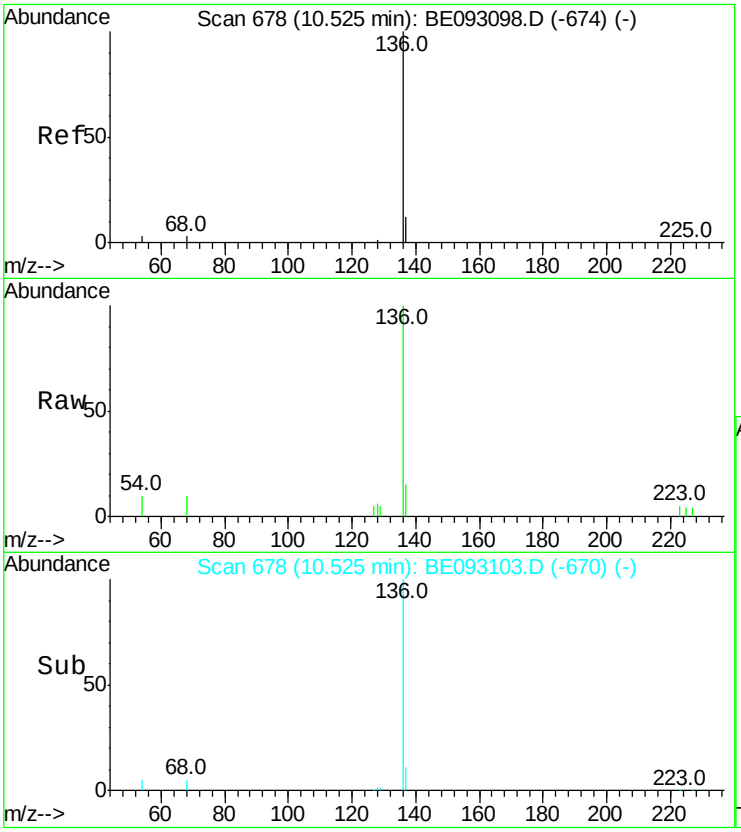




#5
Phenol-d6
Concen: 0.09 ng
RT: 6.90 min Scan# 518
Delta R.T. -0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

Tgt Ion: 99 Resp: 180

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 0.0 | 0.0 | 0.0 |
| 71 | 38.3 | 0.0 | 0.0# |



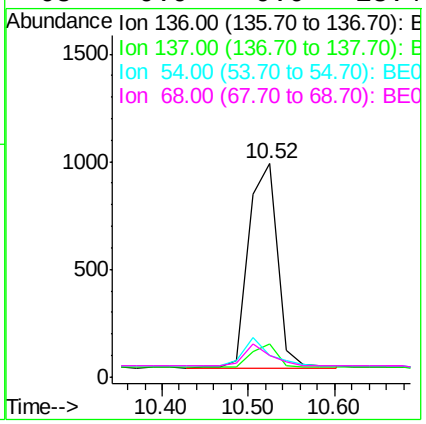


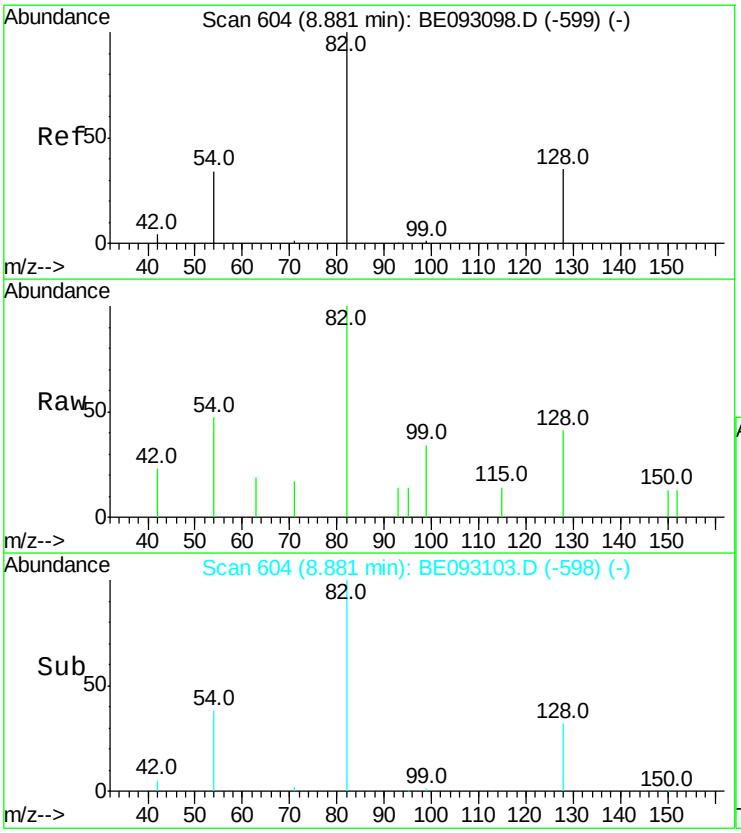

#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.52 min Scan# 678
Delta R.T. -0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:136 Resp: 2196

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 15.3 | 9.8 | 14.8# |
| 54 | 10.1 | 10.3 | 15.5# |
| 68 | 9.9 | 9.0 | 13.4 |

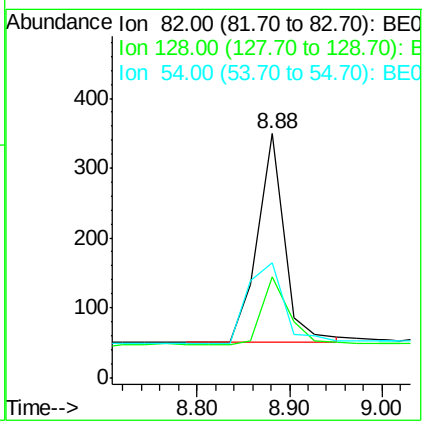


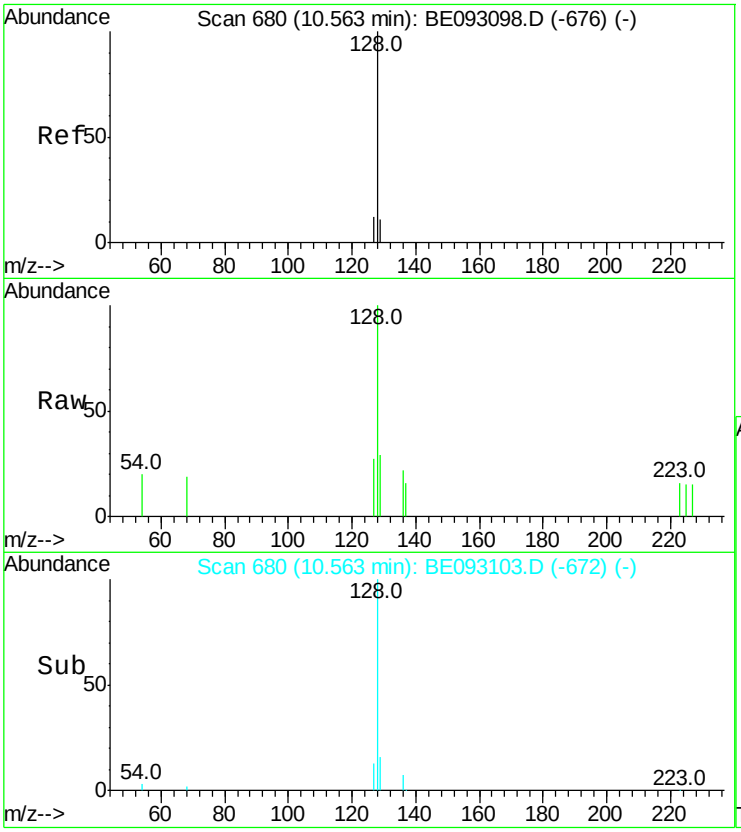




#8
Nitrobenzene-d5
Concen: 0.35 ng
RT: 8.88 min Scan# 604
Delta R.T. -0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

Tgt Ion: 82 Resp: 608

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.3 | 17.0 | 25.4# |
| 54 | 47.0 | 53.8 | 80.6# |



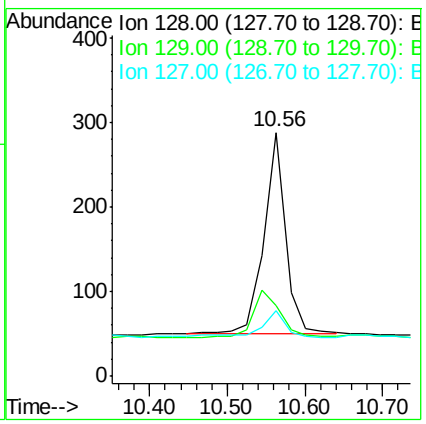


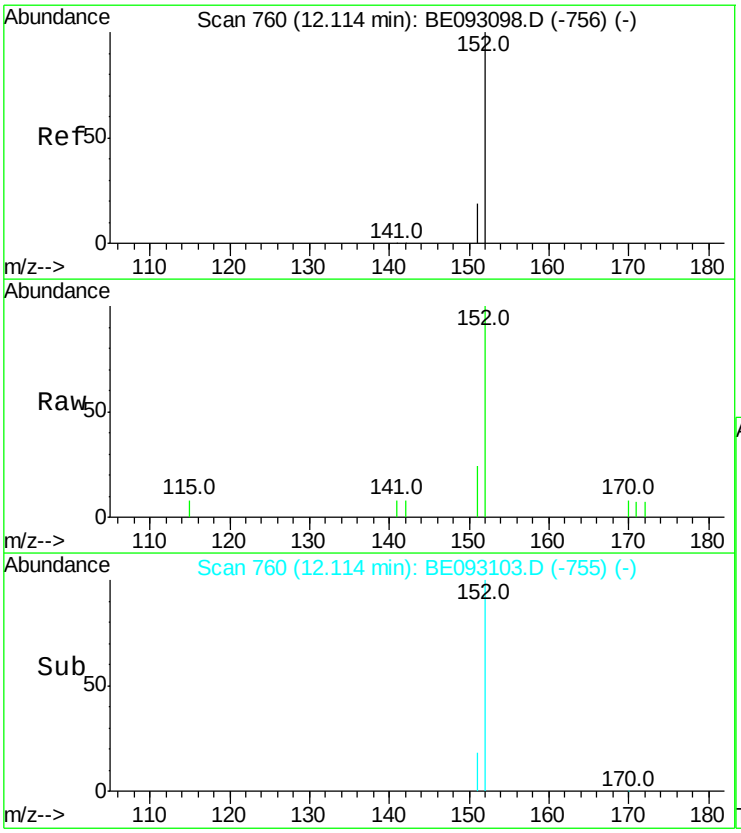

#9
Naphthalene
Concen: 0.08 ng
RT: 10.56 min Scan# 680
Delta R.T. -0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:128 Resp: 466

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 29.2 | 11.4 | 17.0# |
| 127 | 26.7 | 11.2 | 16.8# |

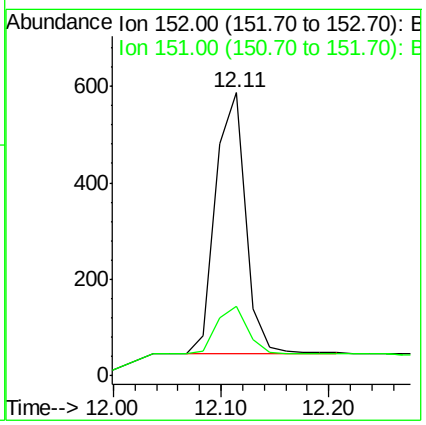


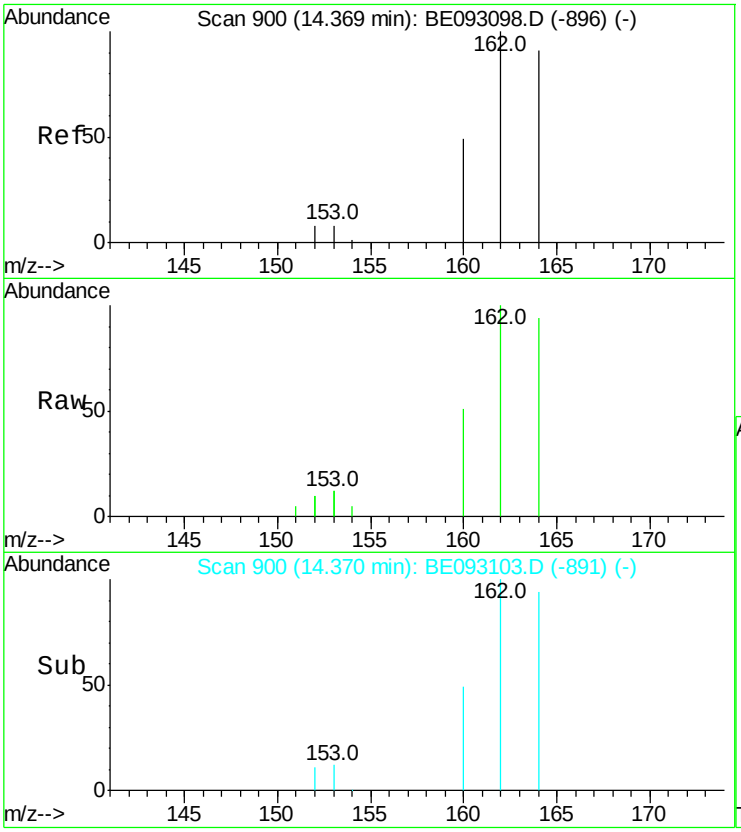




#11
2-Methylnaphthalene-d10
Concen: 0.32 ng
RT: 12.11 min Scan# 760
Delta R.T. 0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

Tgt Ion:152 Resp: 1052

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 18.8 | 15.1 | 22.7 |



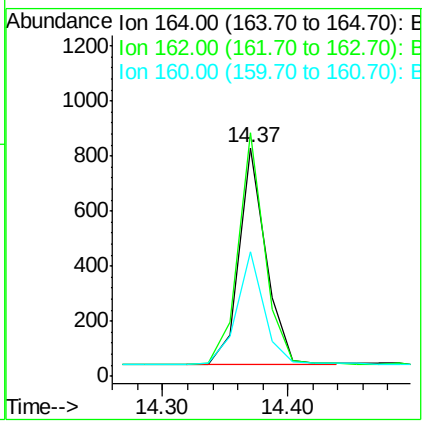


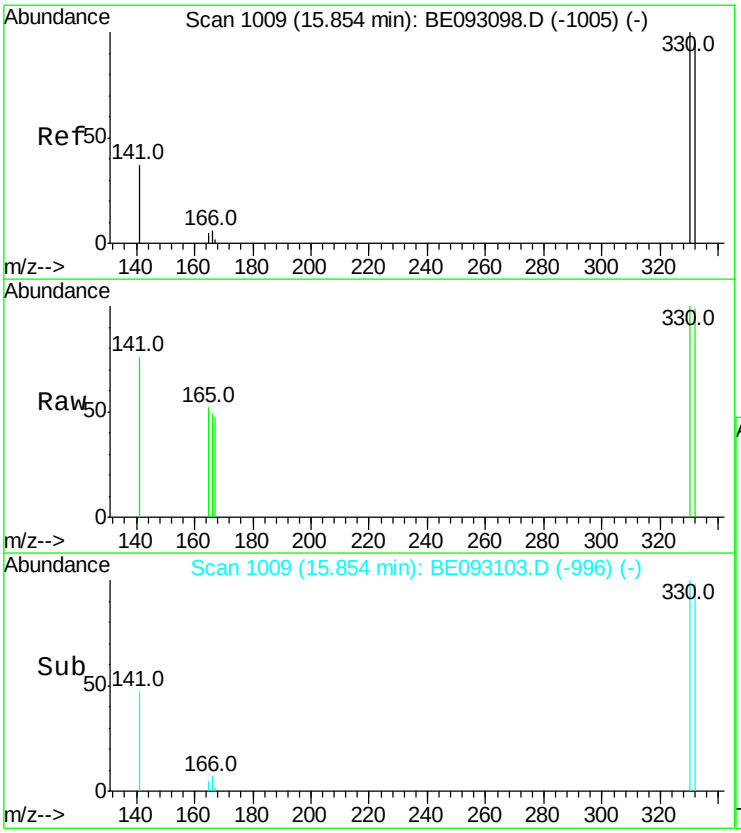

#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.37 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:164 Resp: 1164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.6 | 84.6 | 127.0 |
| 160 | 54.4 | 41.8 | 62.6 |

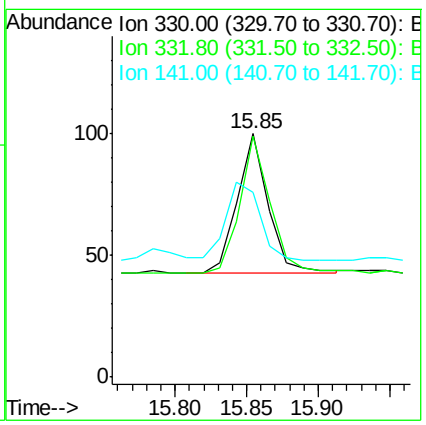


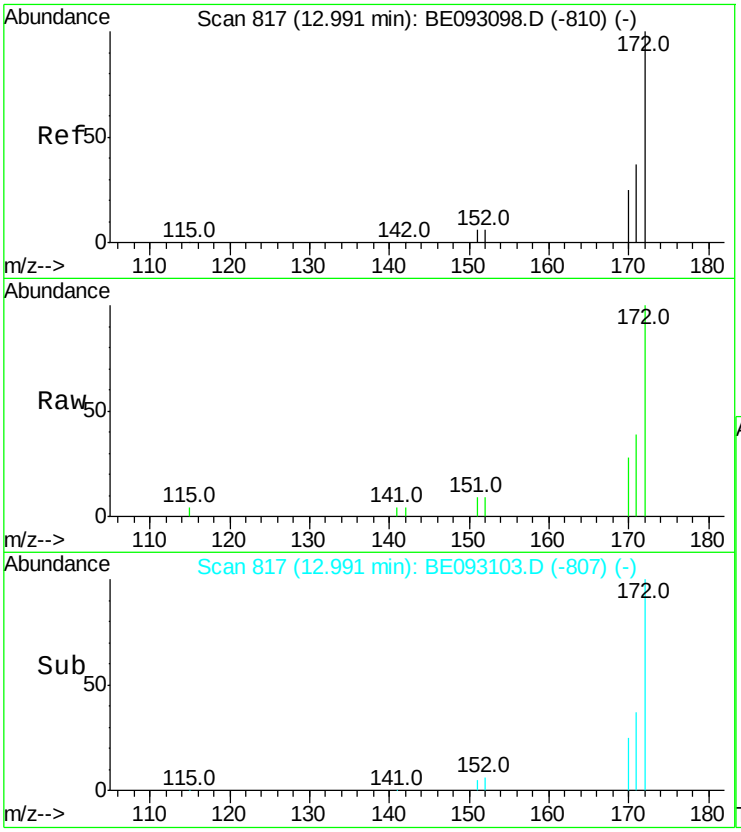




#14
2,4,6-Tribromophenol
Concen: 0.32 ng
RT: 15.85 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

Tgt Ion:330 Resp: 85

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.6 | 77.7 | 116.5 |
| 141 | 62.4 | 56.2 | 84.4 |



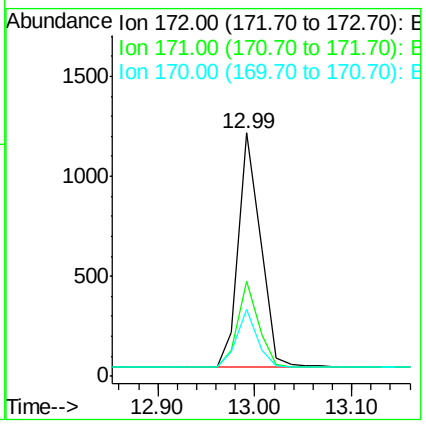


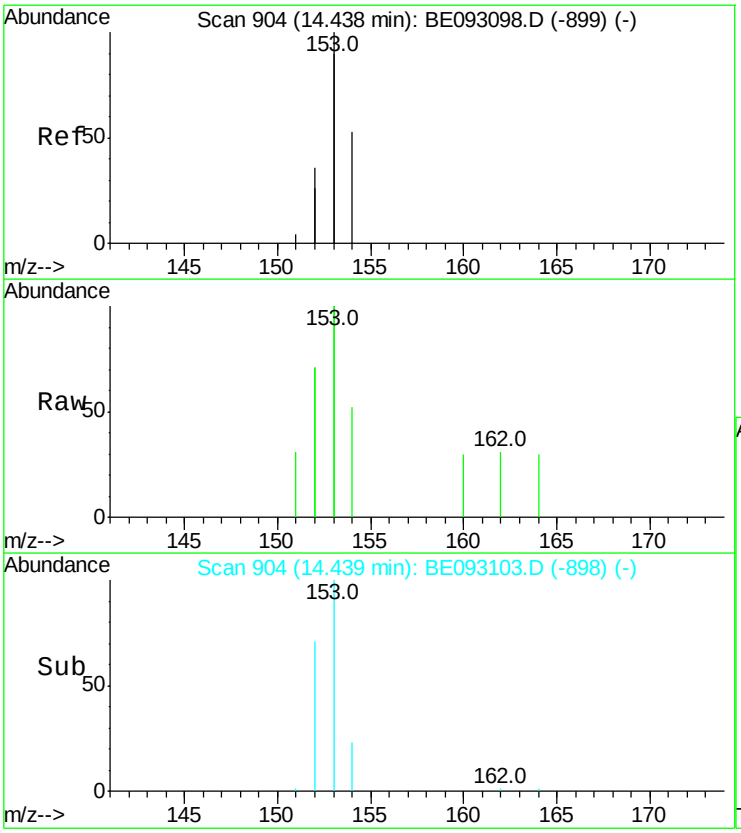

#15
2-Fluorobiphenyl
Concen: 0.38 ng
RT: 12.99 min Scan# 817
Delta R.T. 0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:172 Resp: 1870

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.9 | 29.8 | 44.6 |
| 170 | 27.5 | 20.7 | 31.1 |

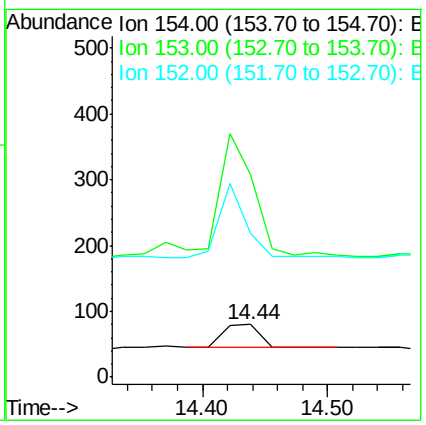


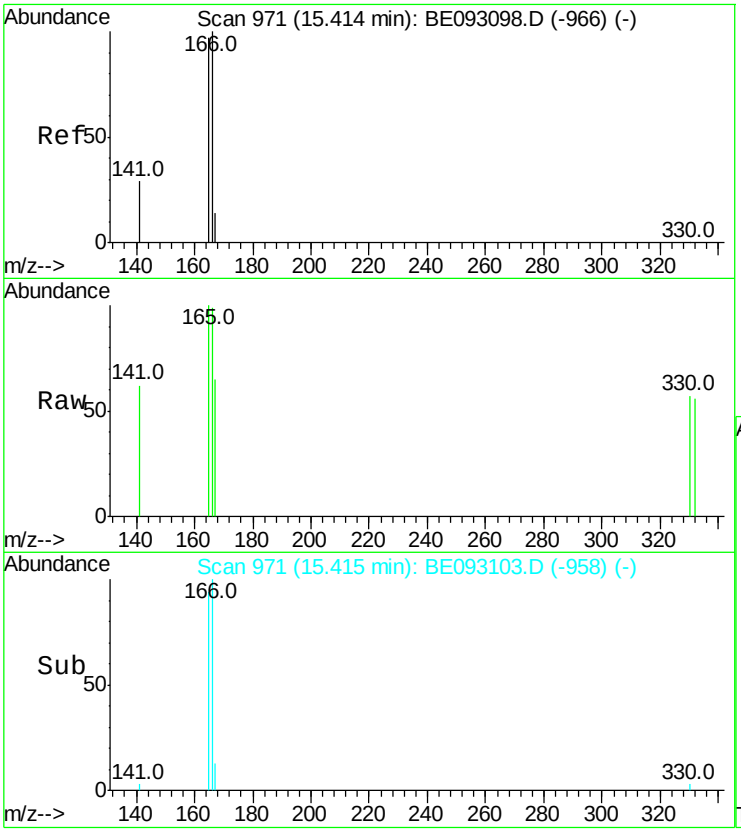




#17
Acenaphthene
Concen: 0.02 ng
RT: 14.44 min Scan# 904
Delta R.T. 0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

Tgt Ion:154 Resp: 73

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 482.2 | 367.8 | 551.6 |
| 152 | 232.9 | 188.2 | 282.2 |



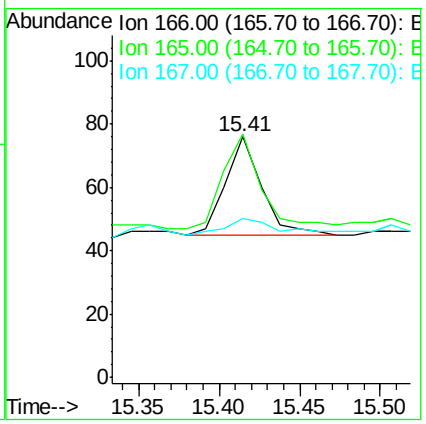


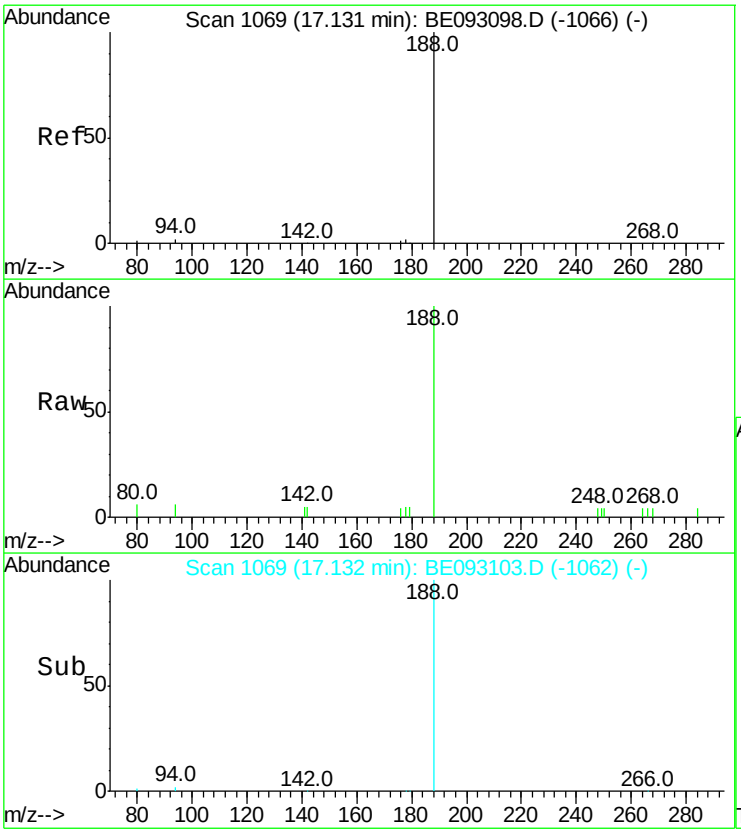

#18
Fluorene
Concen: 0.01 ng
RT: 15.41 min Scan# 971
Delta R.T. 0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:166 Resp: 48

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 102.1 | 78.6 | 117.8 |
| 167 | 25.0 | 11.1 | 16.7# |

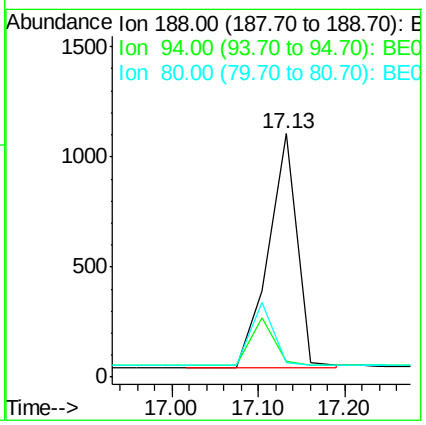


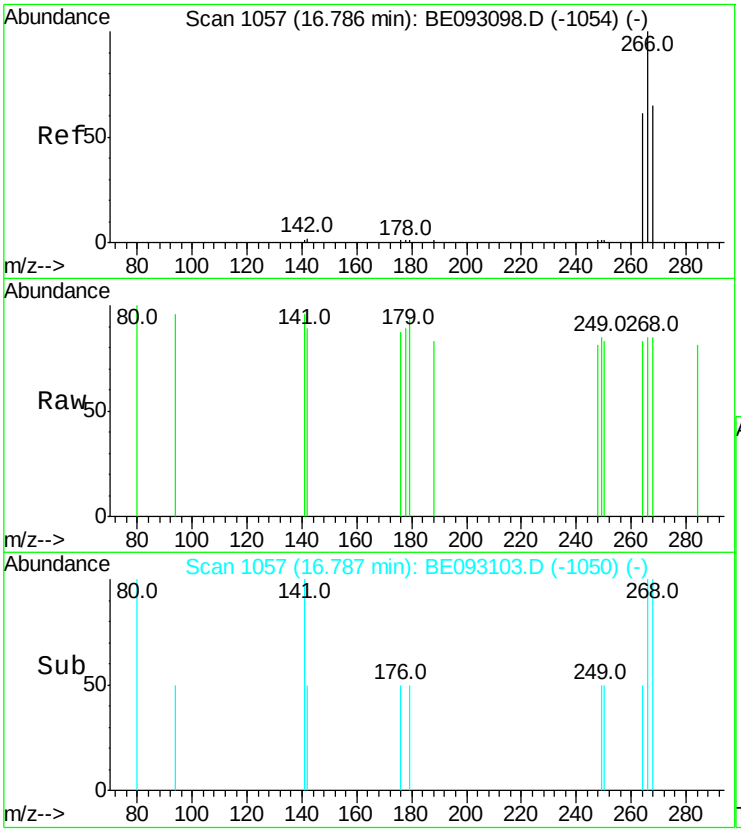




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1069
Delta R.T. 0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

Tgt Ion:188 Resp: 2477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 6.3 | 11.3 | 16.9# |
| 80 | 6.1 | 11.7 | 17.5# |



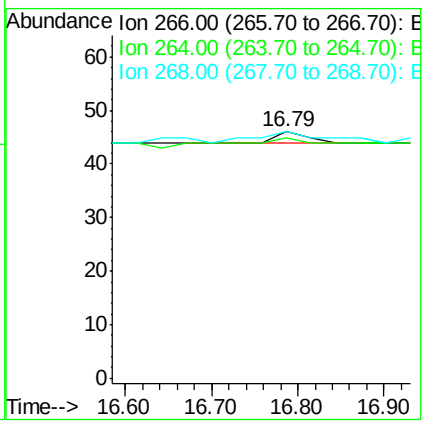


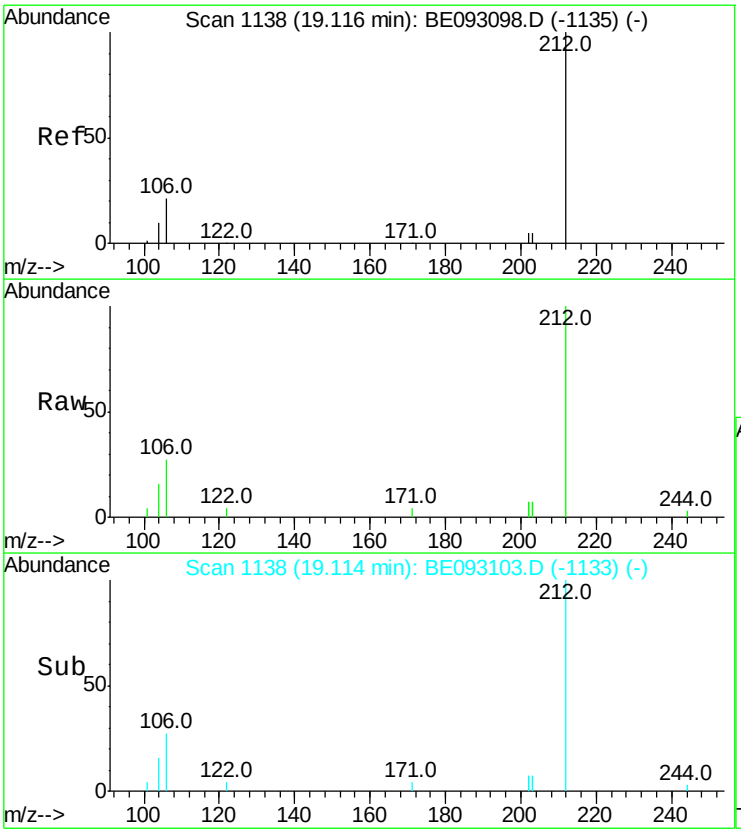

#22
Pentachlorophenol
Concen: 0.01 ng
RT: 16.79 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:266 Resp: 5

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 97.8 | 58.2 | 87.2# |
| 268 | 100.0 | 71.9 | 107.9 |

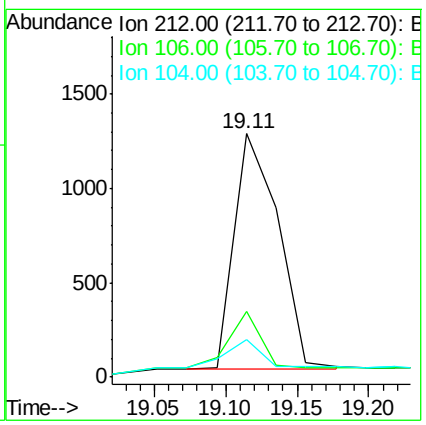


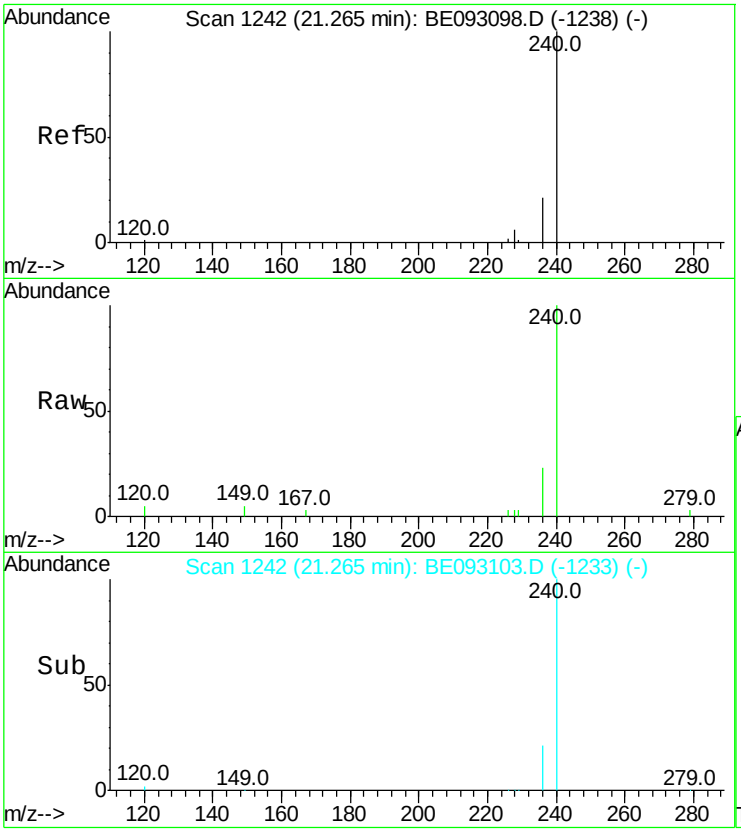




#25
Fluoranthene-d10
Concen: 0.33 ng
RT: 19.11 min Scan# 1138
Delta R.T. -0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

Tgt Ion:212 Resp: 2691

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 17.2 | 0.0 | 0.0# |
| 104 | 9.7 | 0.0 | 0.0# |



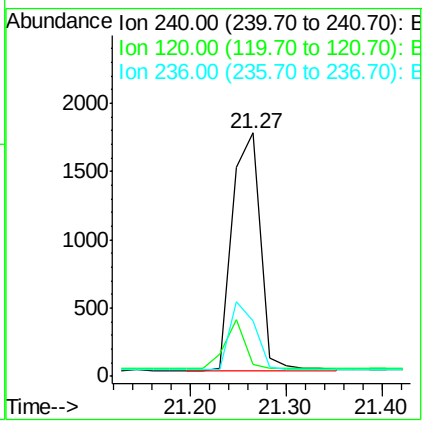


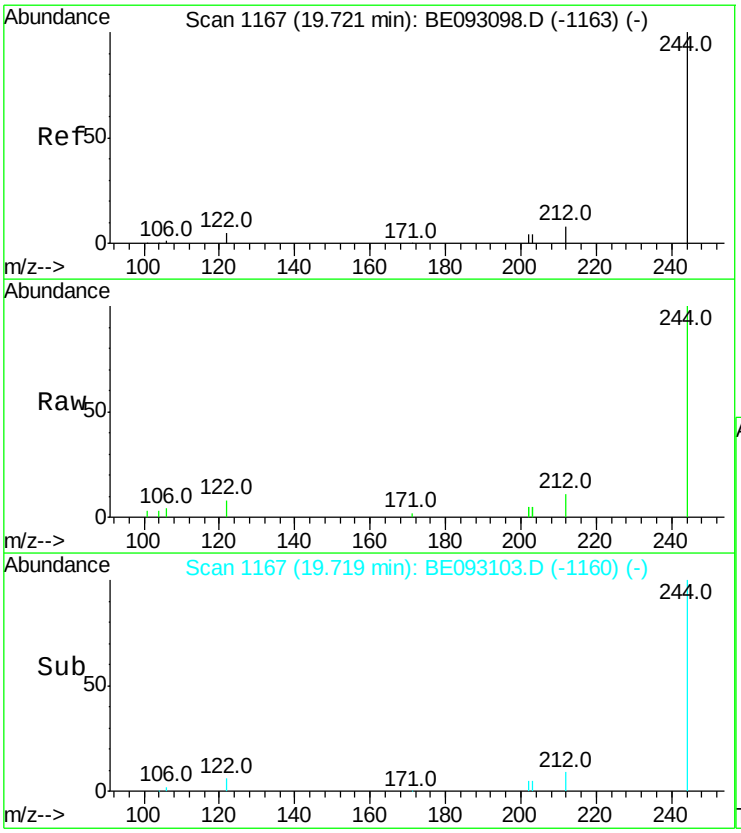

#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.27 min Scan# 1242
Delta R.T. 0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:240 Resp: 3523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 4.7 | 4.6 | 7.0 |
| 236 | 22.7 | 20.8 | 31.2 |

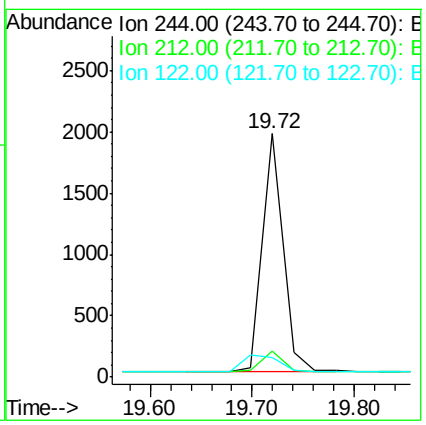


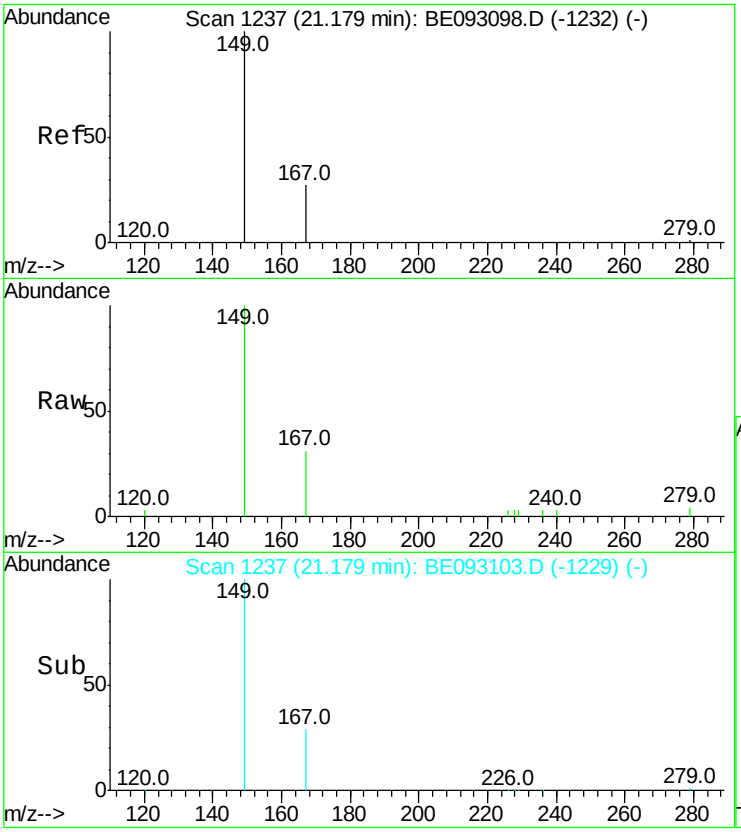




#29
Terphenyl-d14
Concen: 0.39 ng
RT: 19.72 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

Tgt Ion:244 Resp: 2683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 10.8 | 10.6 | 16.0 |
| 122 | 8.2 | 15.4 | 23.0# |



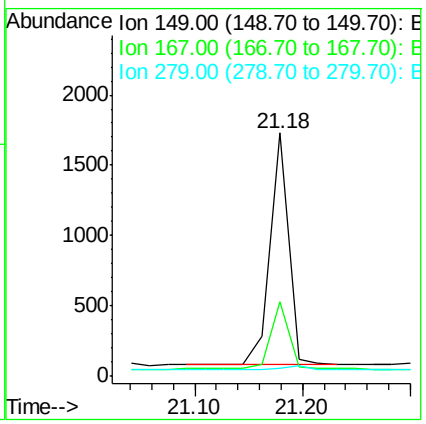


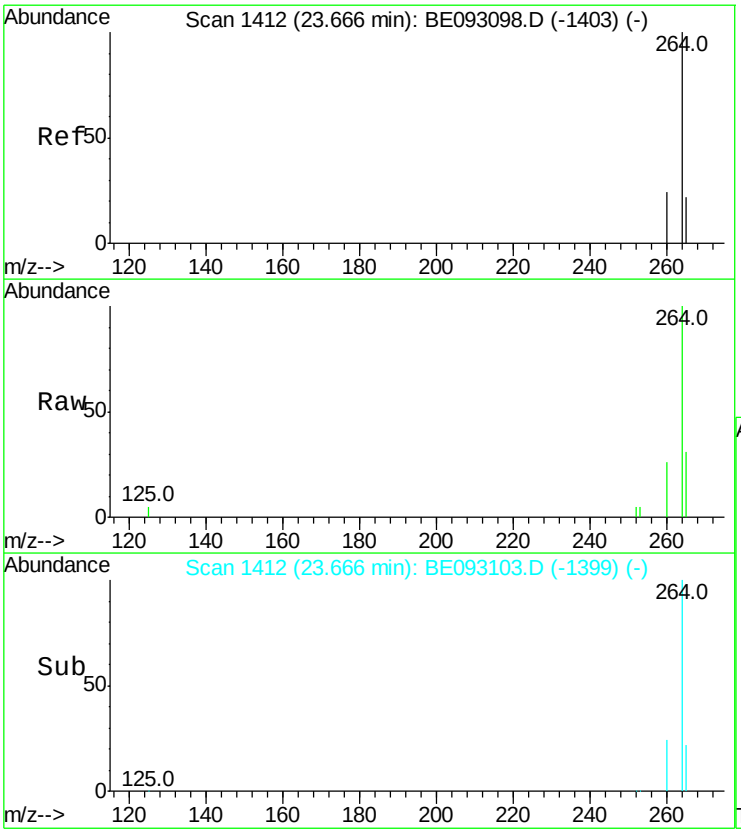

#32
Bis(2-ethylhexyl)phthalate
Concen: 0.51 ng
RT: 21.18 min Scan# 1237
Delta R.T. 0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

**Instrument :**
BNA_E
**ClientSampleId :**

Tgt Ion:149 Resp: 1993

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.2 | 20.1 | 30.1 |
| 279 | 2.8 | 2.2 | 3.4 |




#34
Perylene-d12
Concen: 0.40 ng
RT: 23.67 min Scan# 1412
Delta R.T. 0.00 min
Lab File: BE093103.D
Acq: 12 Jun 2017 14:06

Tgt Ion:264 Resp: 2888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 26.2 | 21.0 | 31.4 |
| 265 | 30.6 | 24.6 | 36.8 |