Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090116\
Data File : BE092335.D
Acq On : 1 Sep 2016 19:01
Operator : UM/SJ
Sample : H4642-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_E
**ClientSampleId :** KY038PS033-160829

Quant Time: Sep 02 03:40:01 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 03:36:16 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.19 | 152 | 8536 | 5.00 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.95 | 136 | 38280 | 5.00 | ng | 0.00 |
| 12) Acenaphthene-d10 | 14.82 | 164 | 22362 | 5.00 | ng | -0.02 |
| 18) Phenanthrene-d10 | 17.58 | 188 | 56639 | 5.00 | ng | 0.00 |
| 24) Chrysene-d12 | 21.75 | 240 | 89609 | 5.00 | ng | 0.00 |
| 31) Perylene-d12 | 24.11 | 264 | 80708 | 5.00 | ng | -0.01 |
| **System Monitoring Compounds** | | | | | | |
| 4) 2-Fluorophenol | 5.68 | 112 | 7375 | 3.25 | ng | 0.00 |
| 5) Phenol-d6 | 7.34 | 99 | 5293 | 1.68 | ng | -0.02 |
| 8) Nitrobenzene-d5 | 9.34 | 82 | 10623 | 3.80 | ng | -0.02 |
| 13) 2,4,6-Tribromophenol | 16.31 | 330 | 7170 | 8.19 | ng | -0.01 |
| 14) 2-Fluorobiphenyl | 13.45 | 172 | 26883 | 3.94 | ng | 0.00 |
| 26) Terphenyl-d14 | 20.17 | 244 | 47750 | 3.87 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.42 | 88 | 79 | Below Cal | # | 1 |
| 3) n-Nitrosodimethylamine | 3.86 | 42 | 52 | 0.04 | ng # | 7 |
| 6) bis(2-Chloroethyl)ether | 7.50 | 93 | 12 | 0.15 | ng # | 5 |
| 20) Pentachlorophenol | 17.26 | 266 | 12 | Below Cal | # | 74 |
| 29) Bis(2-ethylhexyl)phthalate | 21.63 | 149 | 1945 | 0.20 | ng # | 100 |

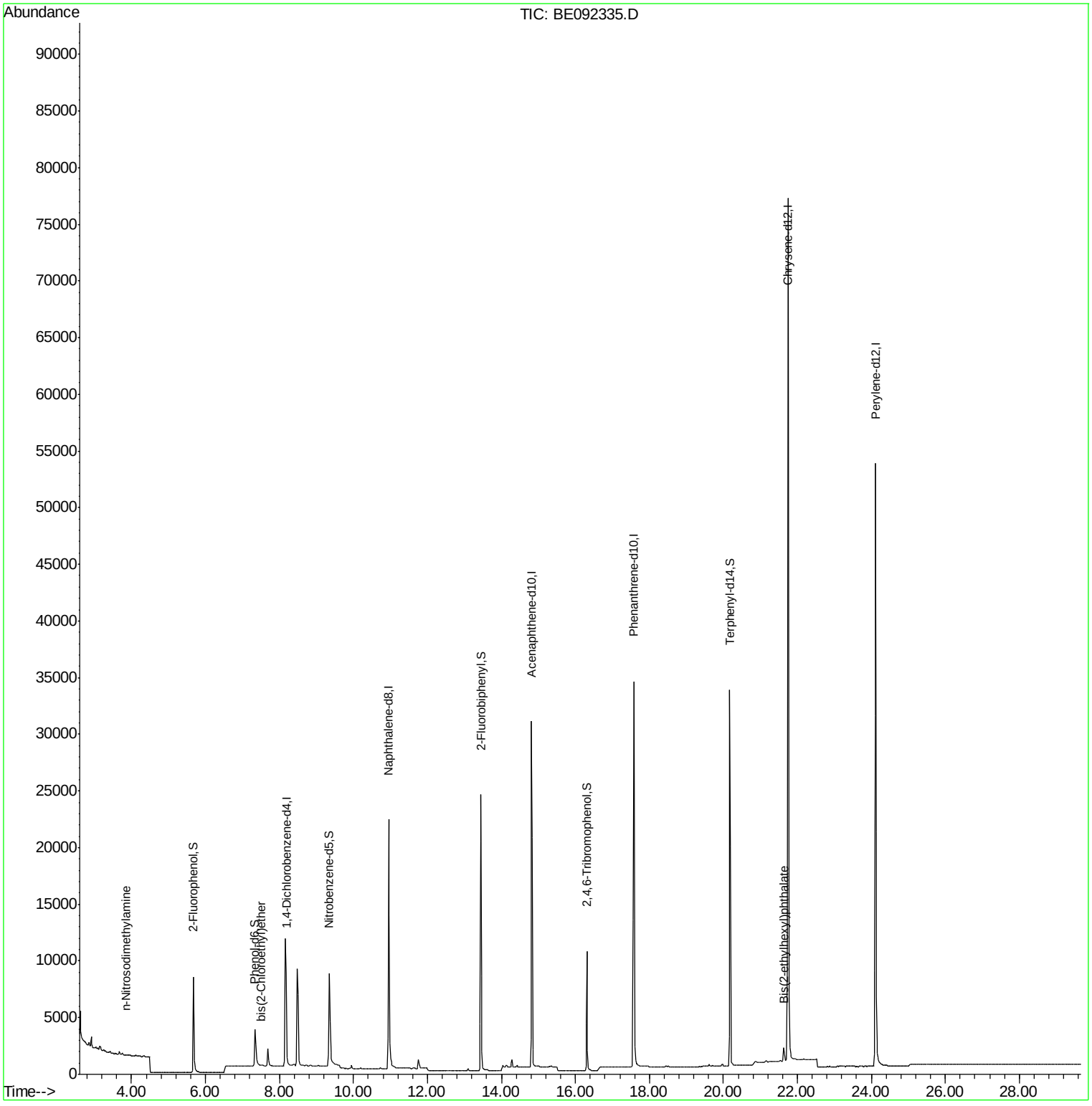
(#) = qualifier out of range (m) = manual integration (+) = signals summed

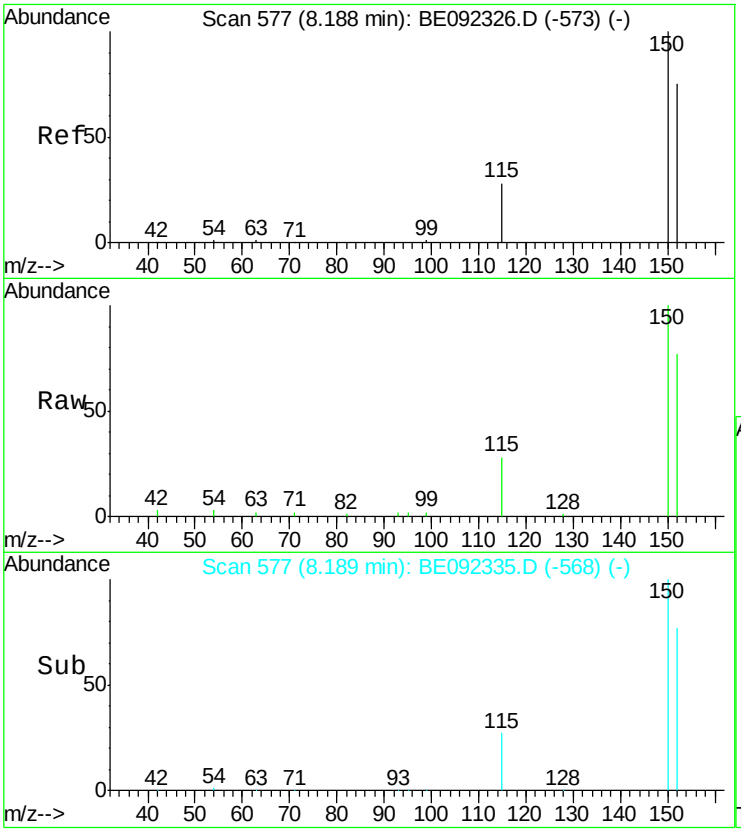
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090116\
Data File : BE092335.D
Acq On : 1 Sep 2016 19:01
Operator : UM/SJ
Sample : H4642-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_E
**ClientSampleId :**
KY038PS033-160829

Quant Time: Sep 02 03:40:01 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 02 03:36:16 2016
Response via : Initial Calibration



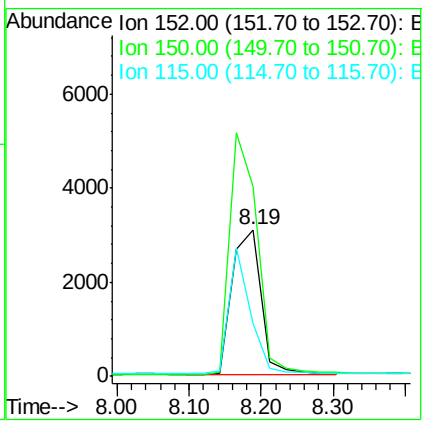


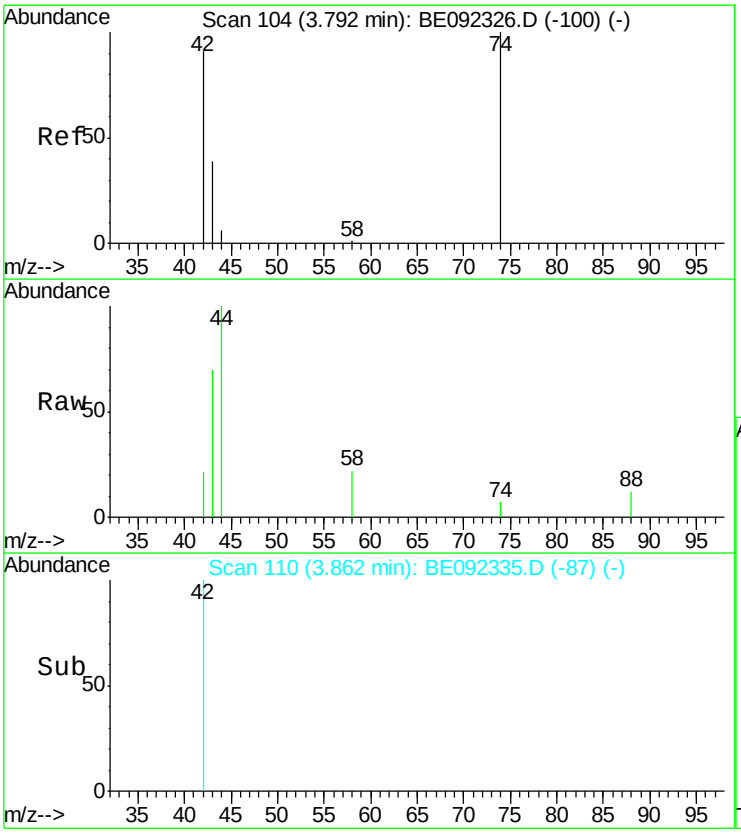

#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 8.19 min Scan# 577
Delta R.T. 0.00 min
Lab File: BE092335.D
Acq: 1 Sep 2016 19:01

**Instrument :**
BNA_E
**ClientSampleId :**
KY038PS033-160829

Tgt Ion:152 Resp: 8536

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 129.4 | 106.0 | 159.0 |
| 115 | 36.0 | 31.2 | 46.8 |

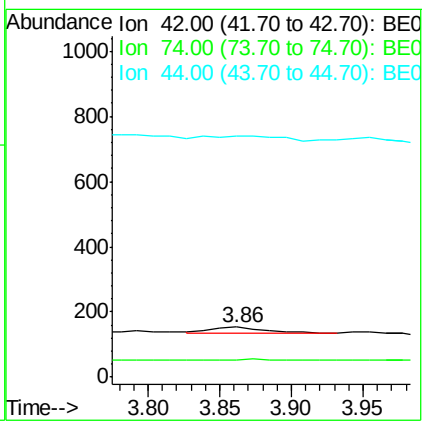


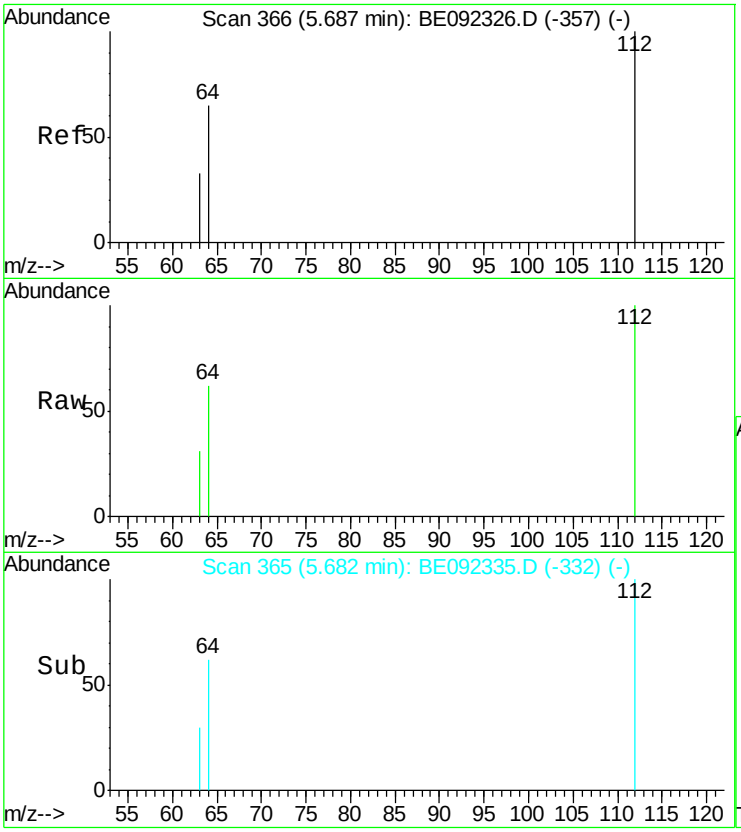




#3
n-Nitrosodimethylamine
Concen: 0.04 ng
RT: 3.86 min Scan# 110
Delta R.T. 0.07 min
Lab File: BE092335.D
Acq: 1 Sep 2016 19:01

Tgt Ion: 42 Resp: 52

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 5.8 | 86.0 | 129.0# |
| 44 | 0.0 | 5.1 | 7.7# |



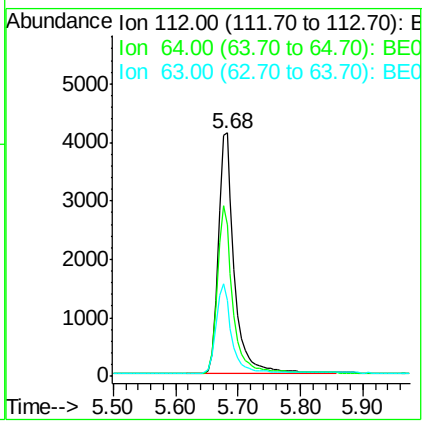


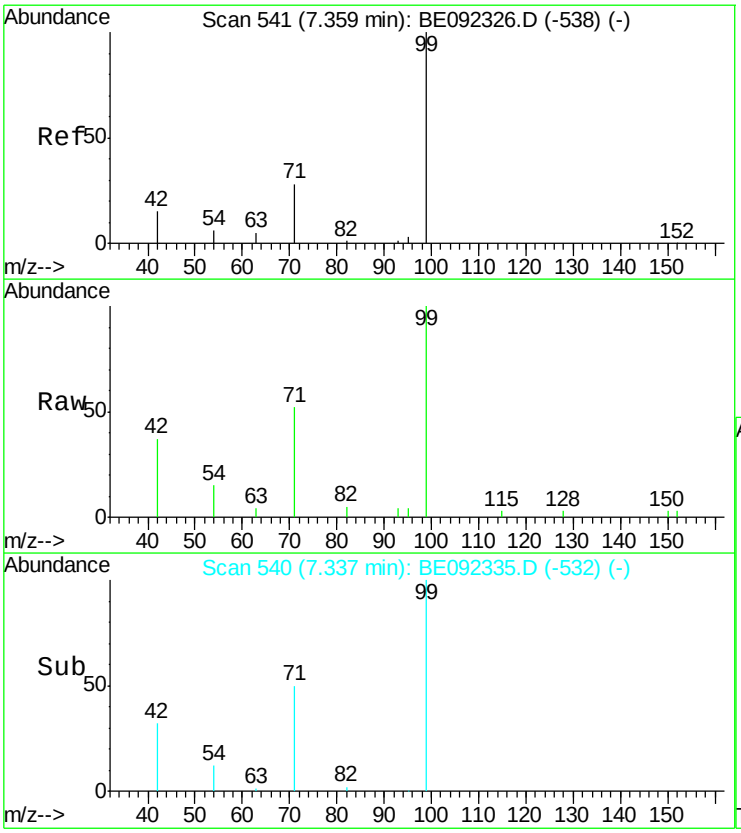

#4
2-Fluorophenol
Concen: 3.25 ng
RT: 5.68 min Scan# 365
Delta R.T. -0.01 min
Lab File: BE092335.D
Acq: 1 Sep 2016 19:01

**Instrument :**
BNA_E
**ClientSampleId :**
KY038PS033-160829

Tgt Ion:112 Resp: 7375

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.3 | 53.5 | 80.3 |
| 63 | 35.7 | 27.9 | 41.9 |

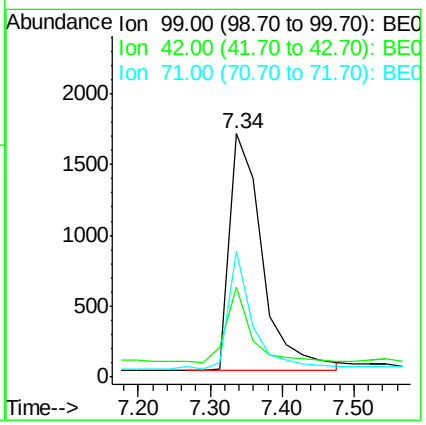


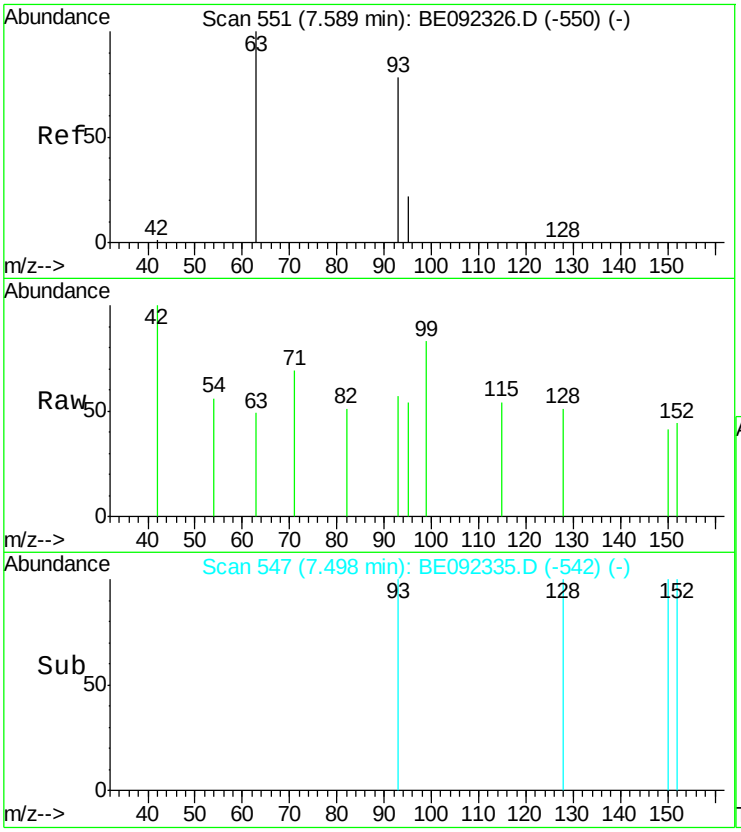




#5
Phenol-d6
Concen: 1.68 ng
RT: 7.34 min Scan# 540
Delta R.T. -0.02 min
Lab File: BE092335.D
Acq: 1 Sep 2016 19:01

Tgt Ion: 99 Resp: 5293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 23.0 | 0.0 | 0.0# |
| 71 | 37.7 | 30.6 | 45.8 |



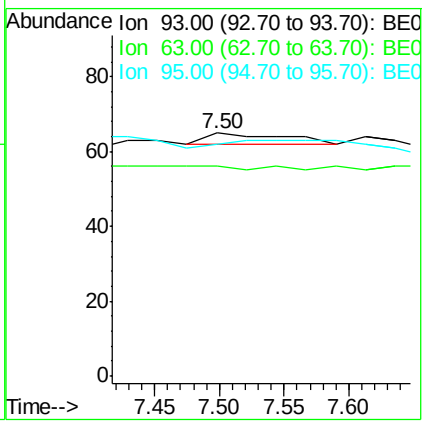


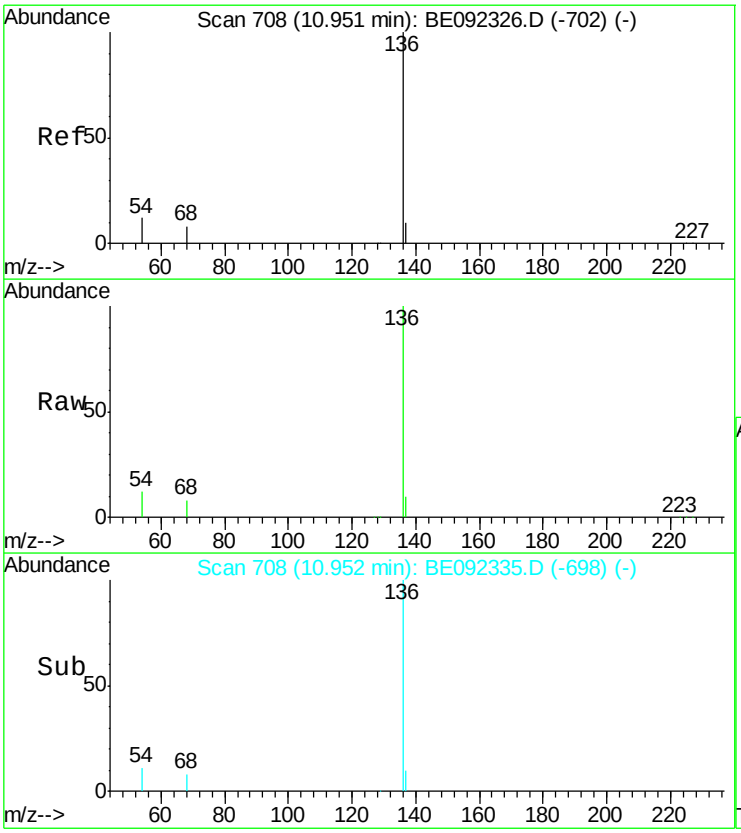

#6
bis(2-Chloroethyl)ether
Concen: 0.15 ng
RT: 7.50 min Scan# 547
Delta R.T. -0.09 min
Lab File: BE092335.D
Acq: 1 Sep 2016 19:01

**Instrument :**
BNA_E
**ClientSampleId :**
KY038PS033-160829

Tgt Ion: 93 Resp: 12

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 0.0 | 71.6 | 107.4# |
| 95 | 0.0 | 0.0 | 0.0 |

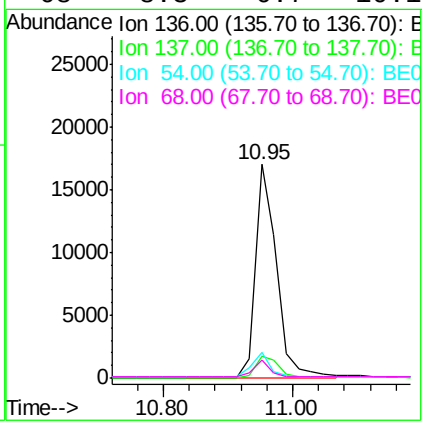


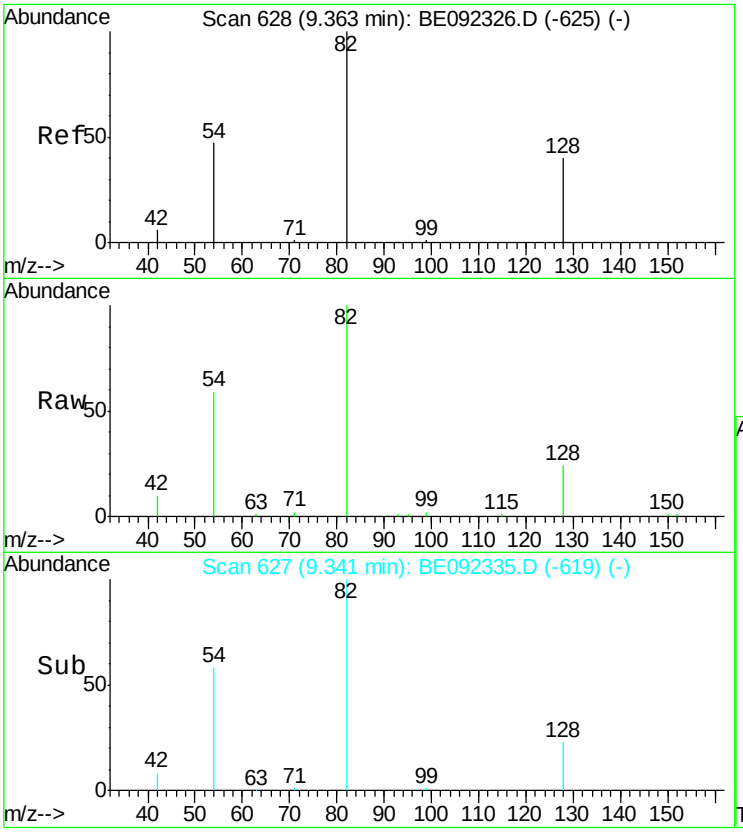




#7
Naphthalene-d8
Concen: 5.00 ng
RT: 10.95 min Scan# 708
Delta R.T. 0.00 min
Lab File: BE092335.D
Acq: 1 Sep 2016 19:01

Tgt Ion:136 Resp: 38280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.3 | 8.2 | 12.4 |
| 54 | 11.7 | 9.6 | 14.4 |
| 68 | 8.3 | 6.7 | 10.1 |



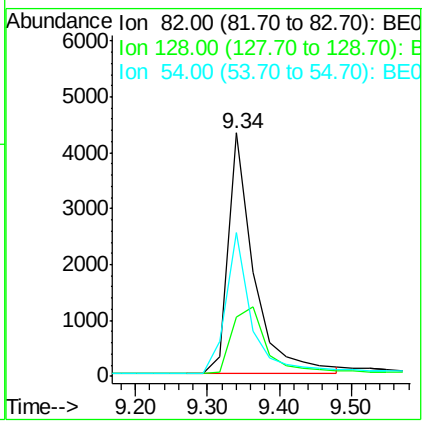


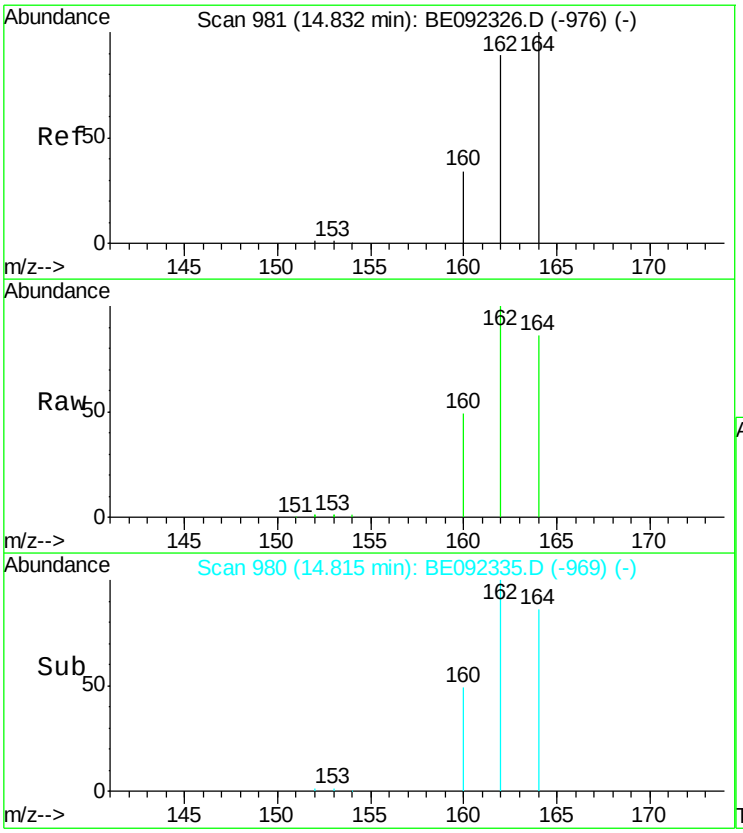

#8
Nitrobenzene-d5
Concen: 3.80 ng
RT: 9.34 min Scan# 627
Delta R.T. -0.02 min
Lab File: BE092335.D
Acq: 1 Sep 2016 19:01

**Instrument :**
BNA_E
**ClientSampleId :**
KY038PS033-160829

Tgt Ion: 82 Resp: 10623

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 24.4 | 39.0 | 58.4# |
| 54 | 59.0 | 44.8 | 67.2 |

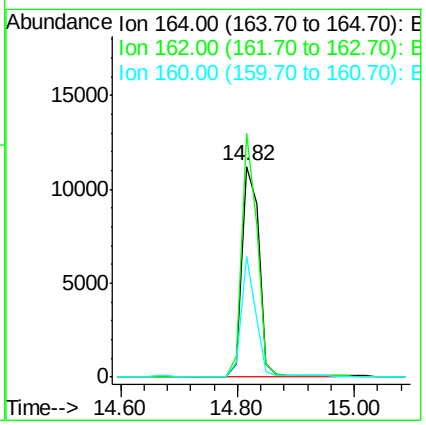


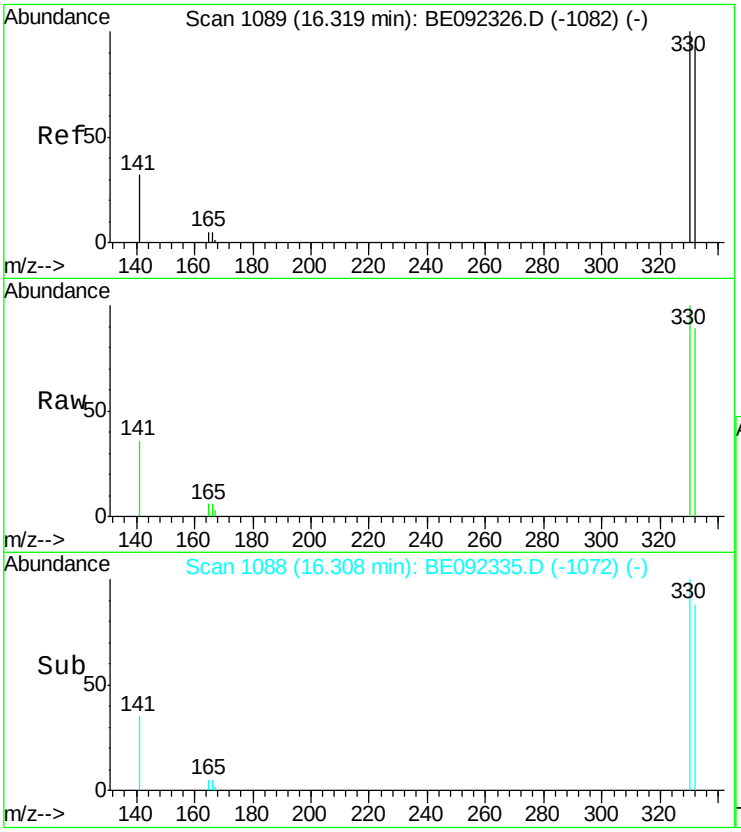




#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.82 min Scan# 980
Delta R.T. -0.02 min
Lab File: BE092335.D
Acq: 1 Sep 2016 19:01

Tgt Ion:164 Resp: 22362

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 115.6 | 71.4 | 107.0# |
| 160 | 57.1 | 27.4 | 41.2# |



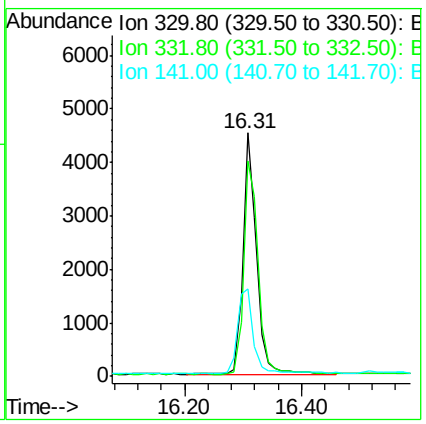


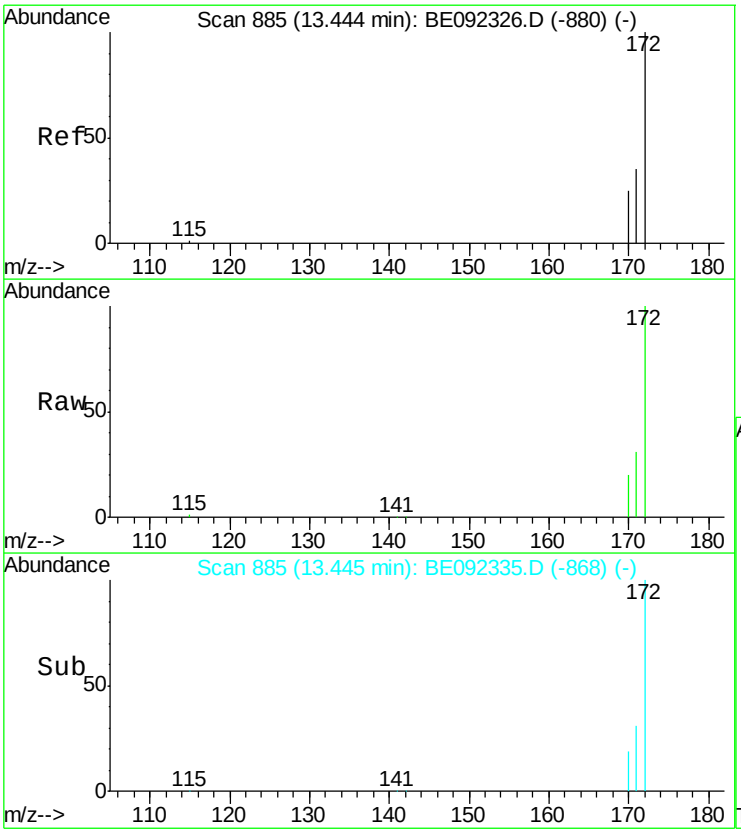

#13
2,4,6-Tribromophenol
Concen: 8.19 ng
RT: 16.31 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BE092335.D
Acq: 1 Sep 2016 19:01

**Instrument :**
BNA_E
**ClientSampleId :**
KY038PS033-160829

Tgt Ion:330 Resp: 7170

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.6 | 75.4 | 113.0 |
| 141 | 40.3 | 31.0 | 46.6 |

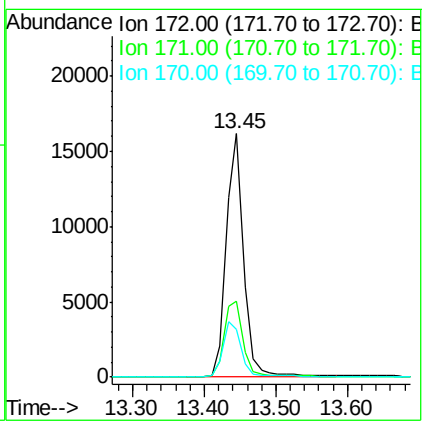


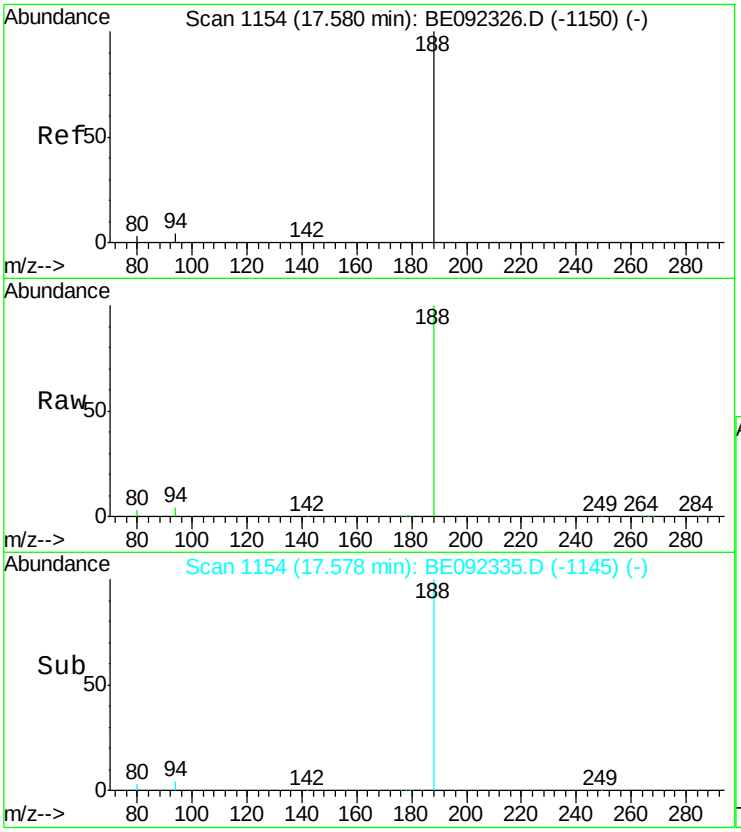




#14
2-Fluorobiphenyl
Concen: 3.94 ng
RT: 13.45 min Scan# 885
Delta R.T. 0.00 min
Lab File: BE092335.D
Acq: 1 Sep 2016 19:01

Tgt Ion:172 Resp: 26883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 31.4 | 30.1 | 45.1 |
| 170 | 19.6 | 21.8 | 32.6# |



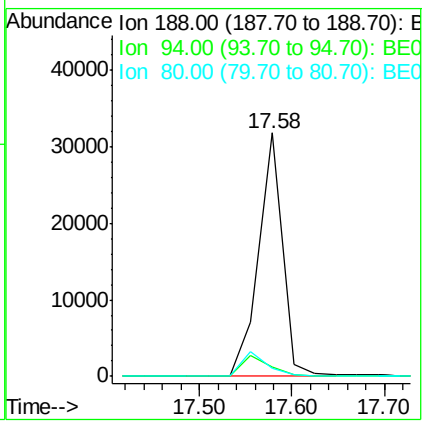


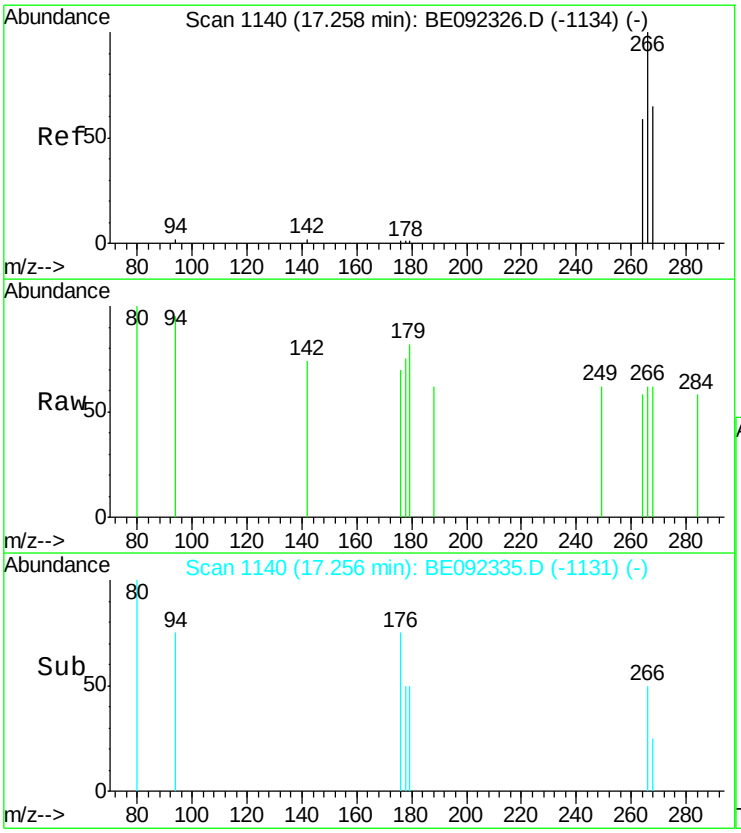

#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.58 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BE092335.D
Acq: 1 Sep 2016 19:01

**Instrument :**
BNA_E
**ClientSampleId :**
KY038PS033-160829

Tgt Ion:188 Resp: 56639

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 4.0 | 3.2 | 4.8 |
| 80 | 3.3 | 2.6 | 3.8 |

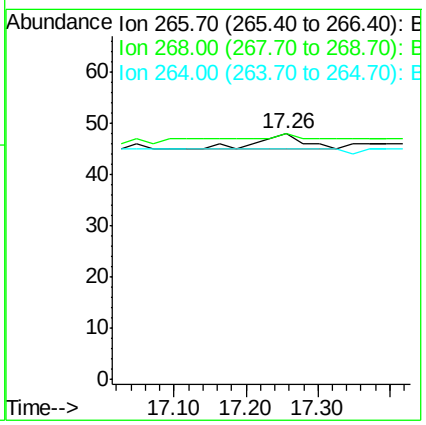


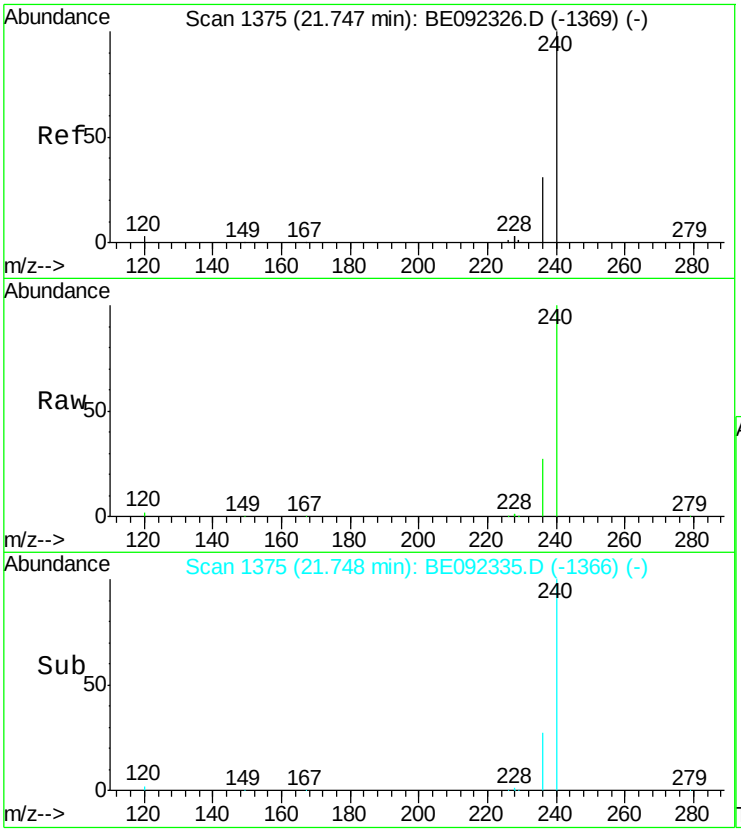




#20
Pentachlorophenol
Concen: Below Cal
RT: 17.26 min Scan# 1140
Delta R.T. -0.00 min
Lab File: BE092335.D
Acq: 1 Sep 2016 19:01

Tgt Ion:266 Resp: 12

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 100.0 | 62.5 | 93.7# |
| 264 | 93.8 | 57.2 | 85.8# |



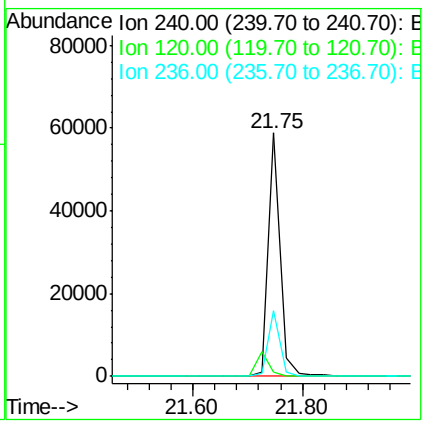


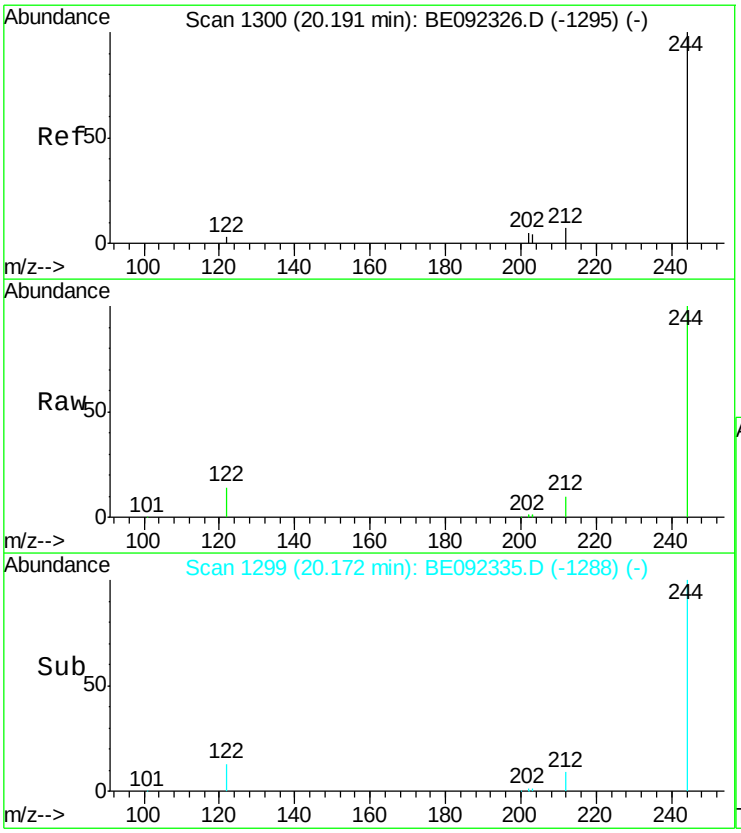

#24
Chrysene-d12
Concen: 5.00 ng
RT: 21.75 min Scan# 1375
Delta R.T. 0.00 min
Lab File: BE092335.D
Acq: 1 Sep 2016 19:01

**Instrument :**
BNA_E
**ClientSampleId :**
KY038PS033-160829

Tgt Ion:240 Resp: 89609

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 1.8 | 2.6 | 4.0# |
| 236 | 26.8 | 24.6 | 37.0 |

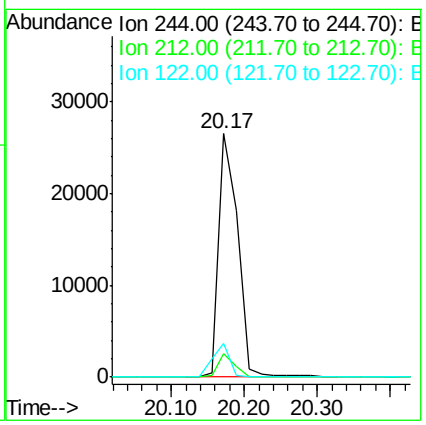


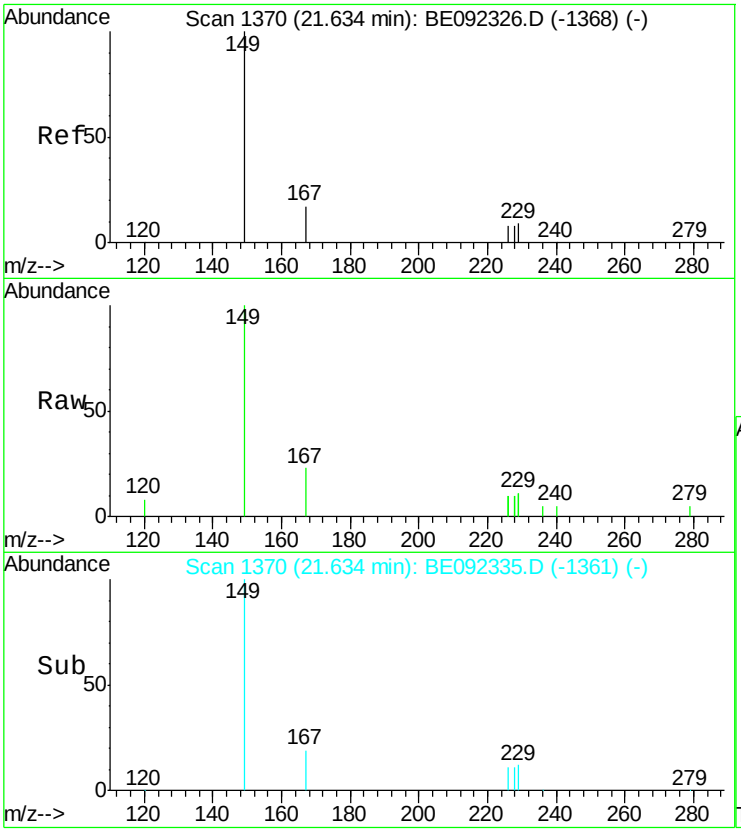




#26
Terphenyl-d14
Concen: 3.87 ng
RT: 20.17 min Scan# 1299
Delta R.T. -0.02 min
Lab File: BE092335.D
Acq: 1 Sep 2016 19:01

Tgt Ion:244 Resp: 47750

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.6 | 6.7 | 10.1 |
| 122 | 13.7 | 3.6 | 5.4# |



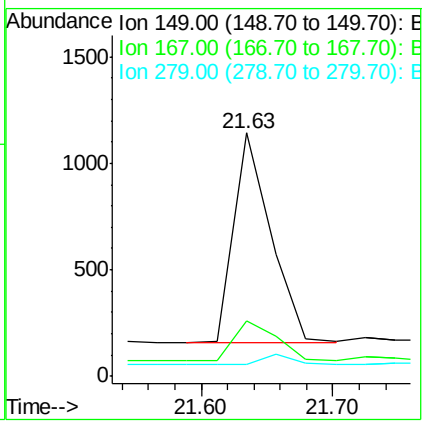


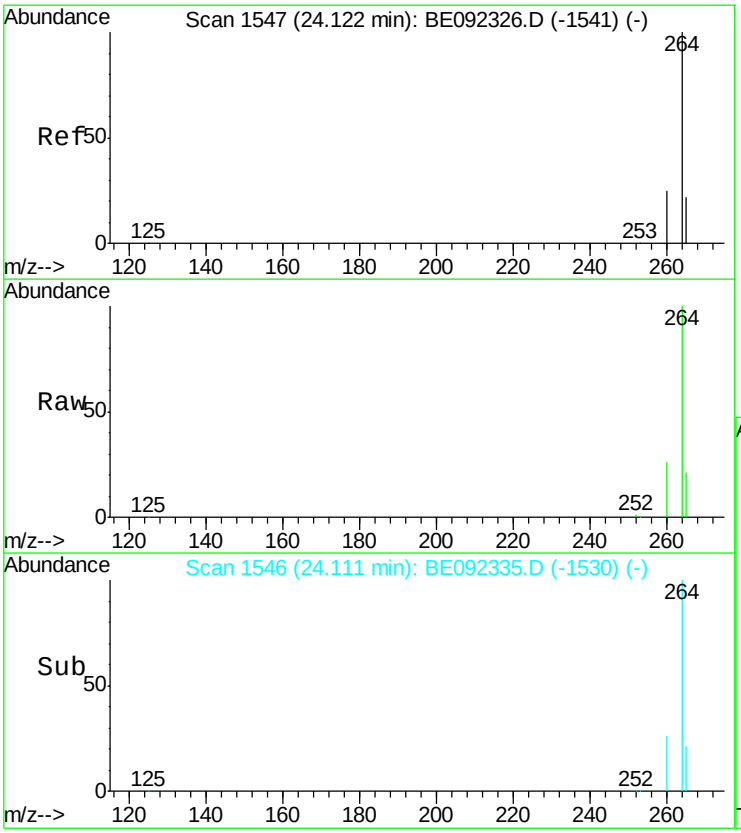

#29
Bis(2-ethylhexyl)phthalate
Concen: 0.20 ng
RT: 21.63 min Scan# 1370
Delta R.T. 0.00 min
Lab File: BE092335.D
Acq: 1 Sep 2016 19:01

**Instrument :**
BNA_E
**ClientSampleId :**
KY038PS033-160829

Tgt Ion:149 Resp: 1945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 22.0 | 0.0 | 0.0# |
| 279 | 0.0 | 0.0 | 0.0 |




#31
Perylene-d12
Concen: 5.00 ng
RT: 24.11 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BE092335.D
Acq: 1 Sep 2016 19:01

Tgt Ion:264 Resp: 80708

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 26.0 | 20.1 | 30.1 |
| 265 | 21.3 | 17.9 | 26.9 |