Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050917\
Data File : BE092961.D
Acq On : 9 May 2017 12:56
Operator : SJ/MA
Sample : PB98776BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: May 09 17:13:21 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 09 15:34:16 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.77 | 152 | 916 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 10.53 | 136 | 3442 | 0.40 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 14.40 | 164 | 1456 | 0.40 | ng | | 0.02 |
| 19) Phenanthrene-d10 | 17.16 | 188 | 3049 | 0.40 | ng | | 0.02 |
| 26) Chrysene-d12 | 21.28 | 240 | 4064 | 0.40 | ng | | 0.00 |
| 33) Perylene-d12 | 23.70 | 264 | 3741 | 0.40 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.36 | 112 | 757 | 0.37 | ng | | 0.00 |
| 5) Phenol-d6 | 6.94 | 99 | 800 | 0.28 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 8.90 | 82 | 656 | 0.28 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.13 | 152 | 1101 | 0.22 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.88 | 330 | 85 | 0.37 | ng | | 0.01 |
| 15) 2-Fluorobiphenyl | 13.02 | 172 | 1686 | 0.25 | ng | | 0.02 |
| 24) Fluoranthene-d10 | 19.15 | 212 | 2640 | 0.37 | ng | | 0.00 |
| 28) Terphenyl-d14 | 19.76 | 244 | 1757 | 0.25 | ng | | 0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 32) Indeno(1,2,3-cd)pyrene | 26.24 | 276 | 3513 | 0.08 | ng | | 98 |
| 34) Benzo(b)fluoranthene | 22.96 | 252 | 541 | 0.04 | ng | # | 81 |
| 35) Benzo(k)fluoranthene | 23.01 | 252 | 595 | 0.05 | ng | # | 84 |
| 36) Benzo(a)pyrene | 23.59 | 252 | 312 | 0.03 | ng | # | 69 |
| 37) Dibenzo(a,h)anthracene | 26.27 | 278 | 695 | 0.06 | ng | # | 91 |
| 38) Benzo(g,h,i)perylene | 27.02 | 276 | 3926 | 0.08 | ng | | 97 |

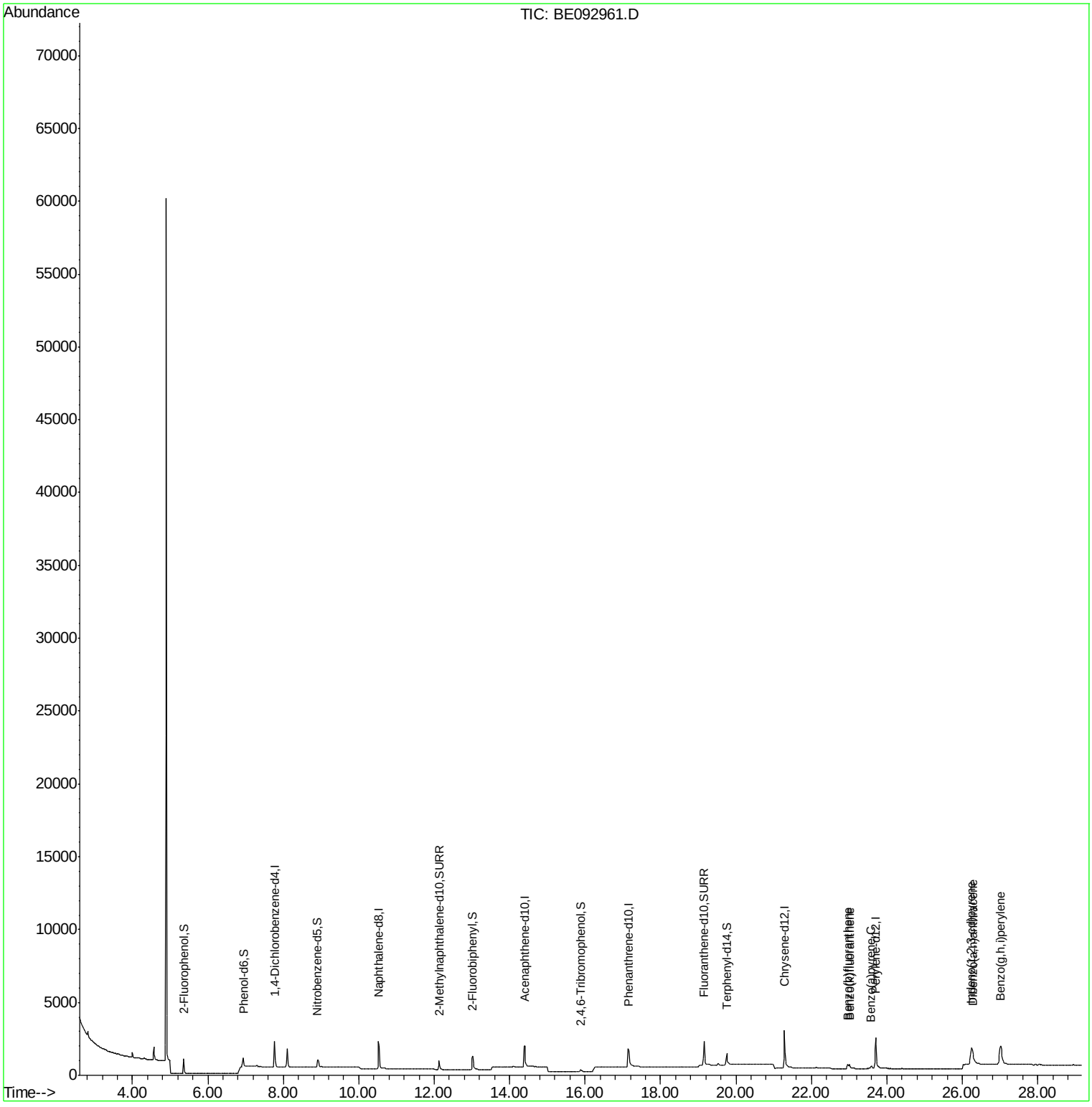
(#) = qualifier out of range (m) = manual integration (+) = signals summed

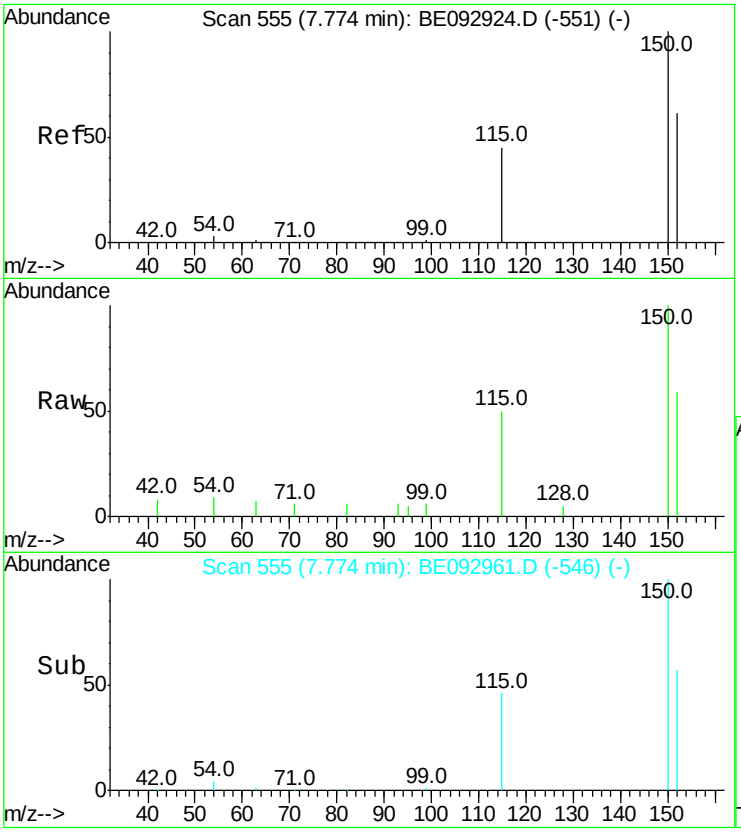
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050917\
Data File : BE092961.D
Acq On : 9 May 2017 12:56
Operator : SJ/MA
Sample : PB98776BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

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

Quant Time: May 09 17:13:21 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE050517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 09 15:34:16 2017
Response via : Initial Calibration



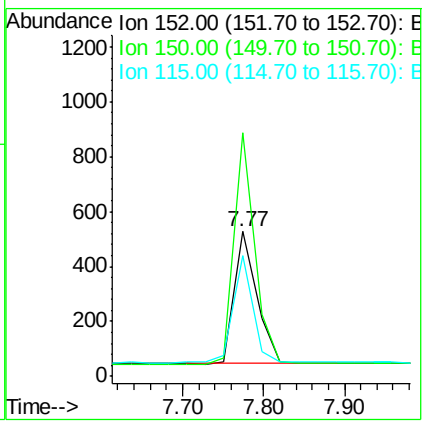


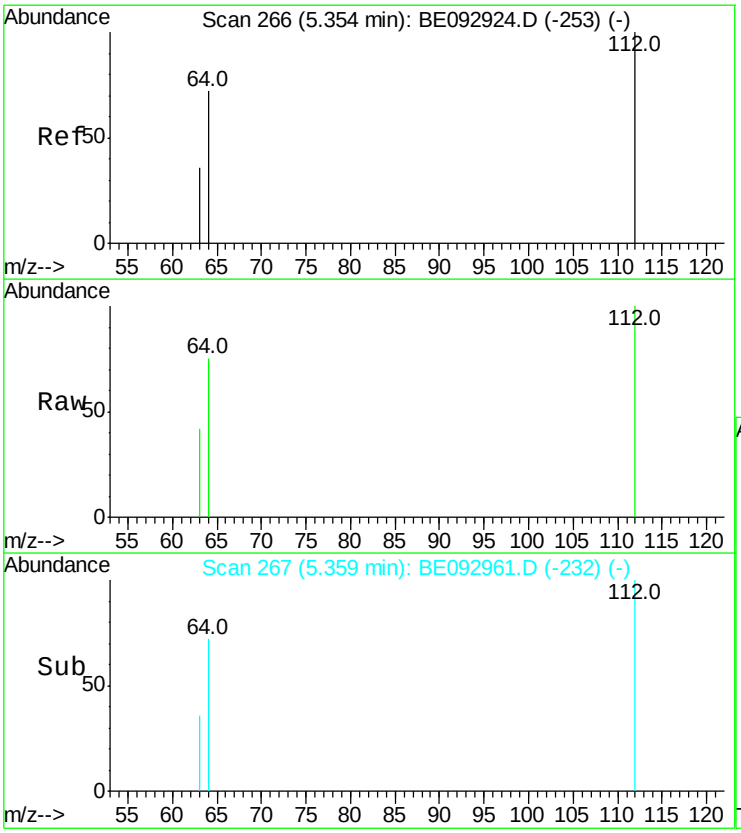

#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.77 min Scan# 555
Delta R.T. 0.00 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

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

Tgt Ion:152 Resp: 916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 168.3 | 129.9 | 194.9 |
| 115 | 83.5 | 62.6 | 93.8 |

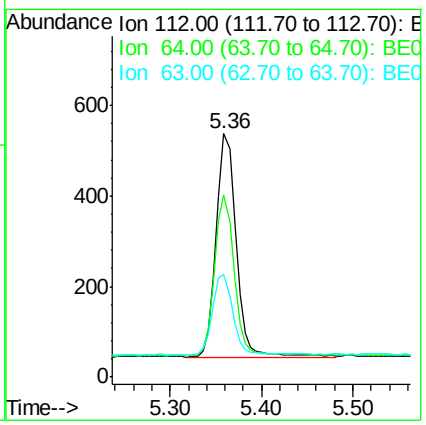


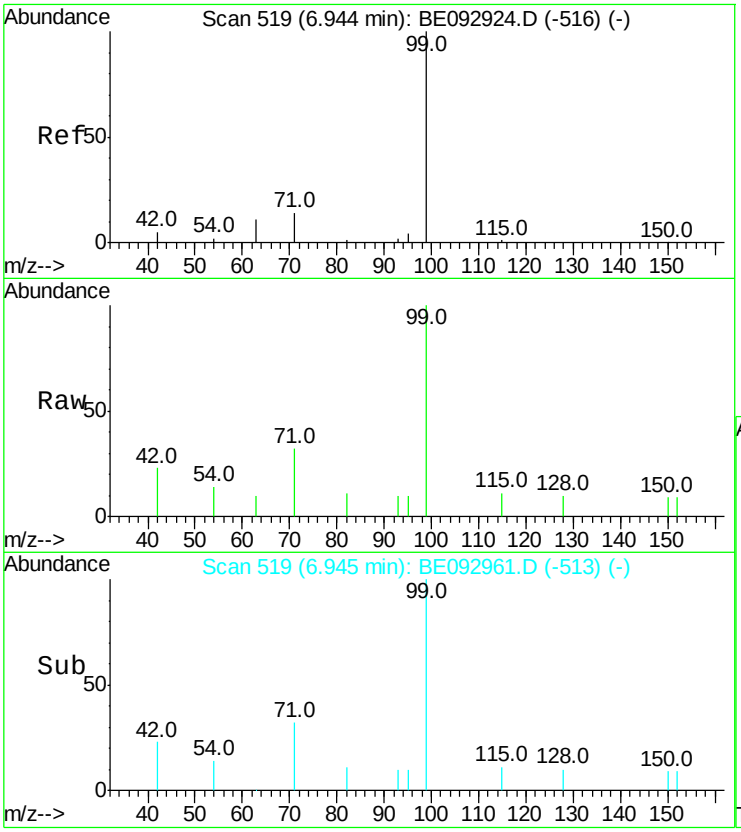




#4
2-Fluorophenol
Concen: 0.37 ng
RT: 5.36 min Scan# 267
Delta R.T. 0.01 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

Tgt Ion:112 Resp: 757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 69.9 | 52.6 | 79.0 |
| 63 | 35.4 | 29.0 | 43.4 |



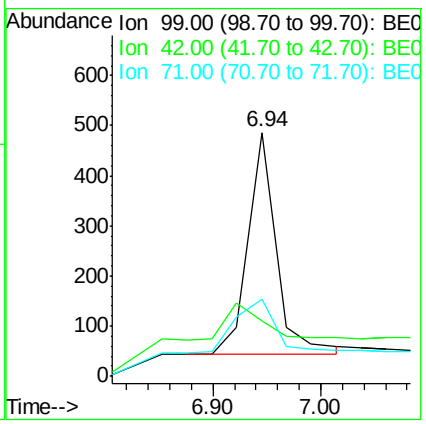


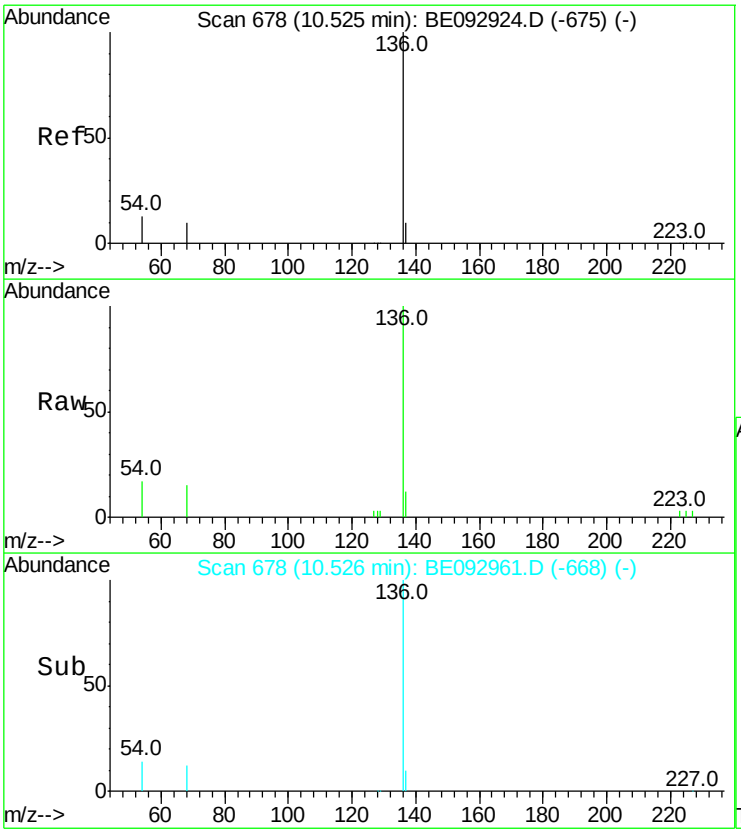

#5
Phenol-d6
Concen: 0.28 ng
RT: 6.94 min Scan# 519
Delta R.T. 0.00 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

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

Tgt Ion: 99 Resp: 800

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 0.0 | 0.0 | 0.0 |
| 71 | 35.1 | 0.0 | 0.0# |

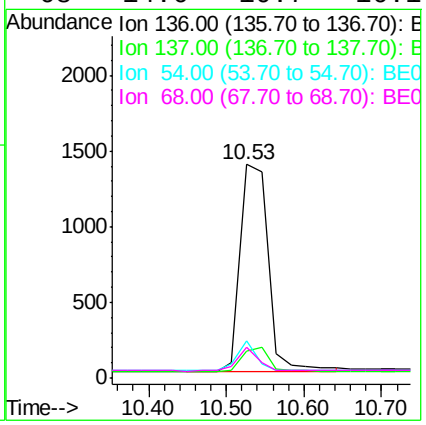


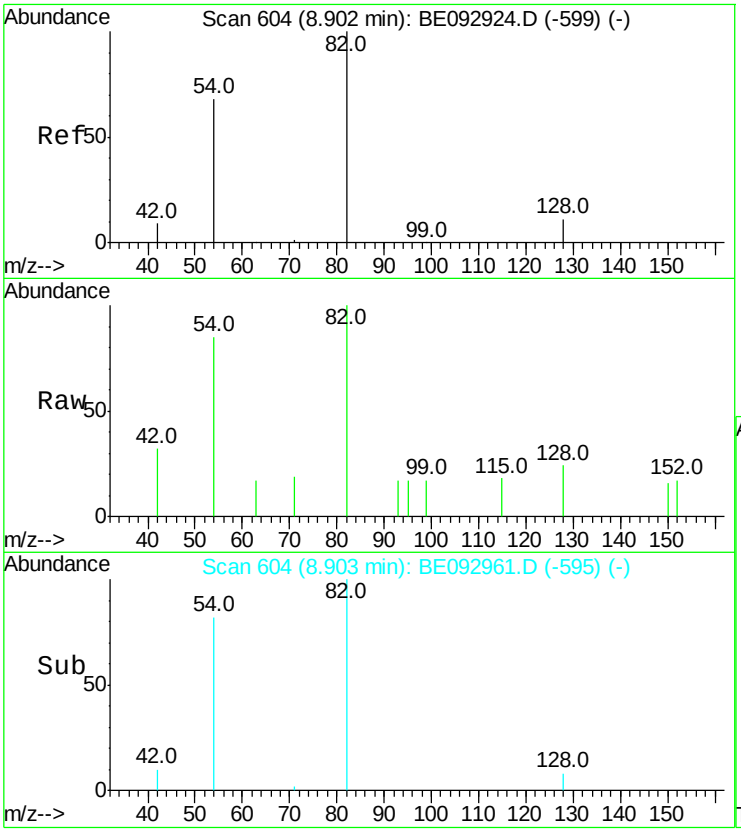




#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.53 min Scan# 678
Delta R.T. 0.00 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

Tgt Ion:136 Resp: 3442

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 12.5 | 10.4 | 15.6 |
| 54 | 17.3 | 12.6 | 18.8 |
| 68 | 14.6 | 10.7 | 16.1 |



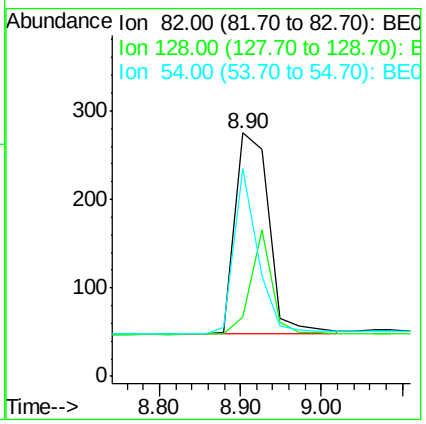


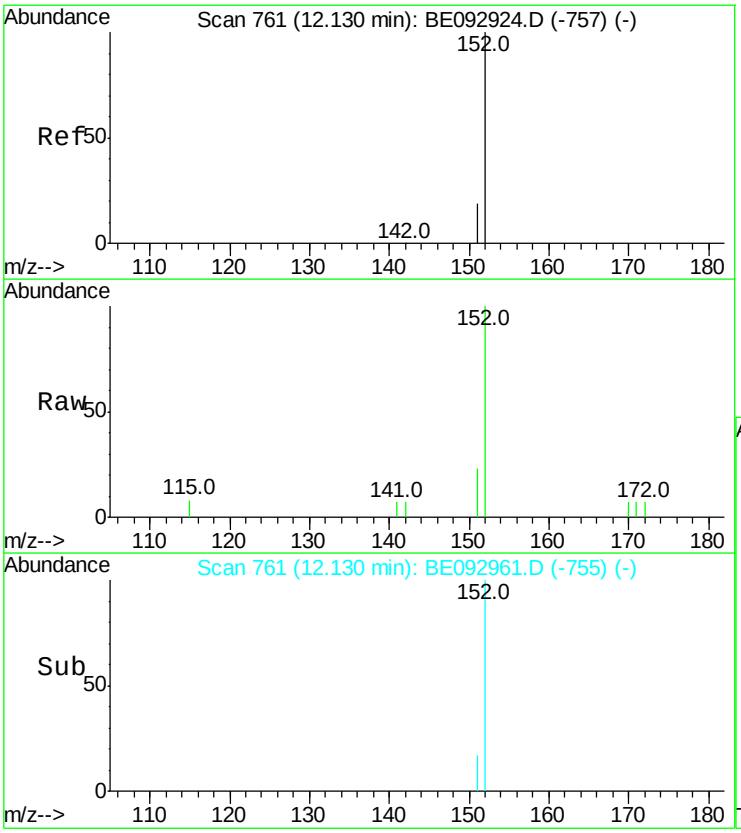

#8
Nitrobenzene-d5
Concen: 0.28 ng
RT: 8.90 min Scan# 604
Delta R.T. 0.00 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

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

Tgt Ion: 82 Resp: 656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 24.4 | 35.3 | 52.9# |
| 54 | 85.5 | 65.1 | 97.7 |

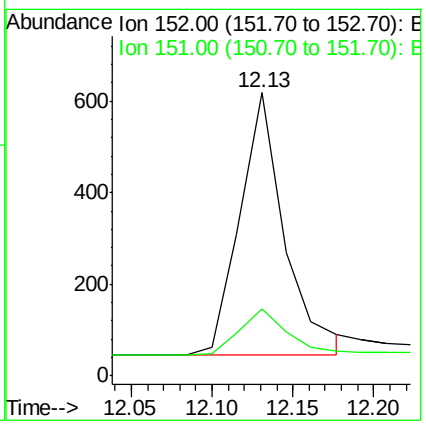


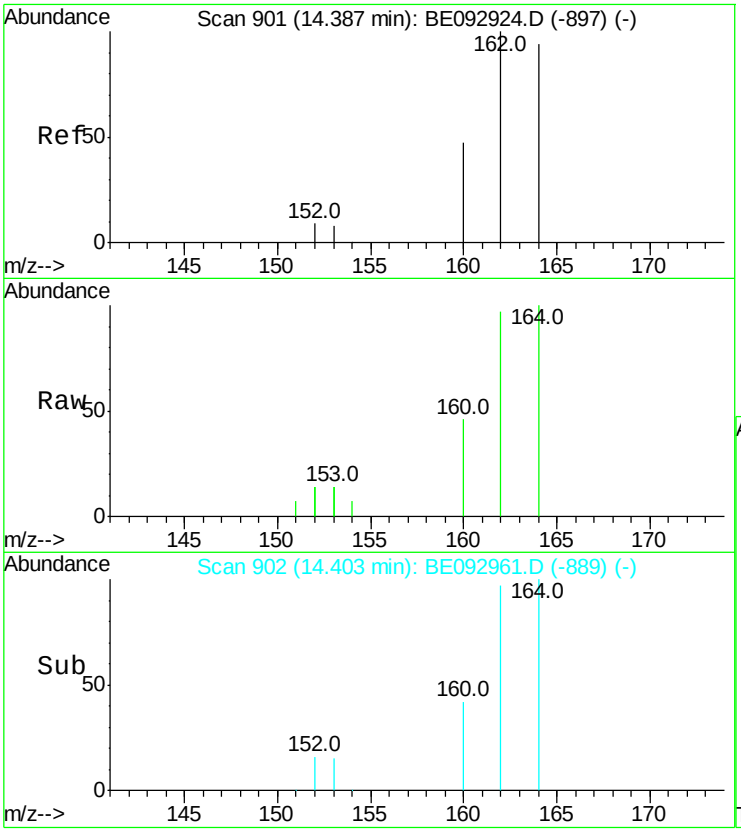




#11
2-Methylnaphthalene-d10
Concen: 0.22 ng
RT: 12.13 min Scan# 761
Delta R.T. 0.00 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

Tgt Ion:152 Resp: 1101

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.0 | 15.7 | 23.5 |



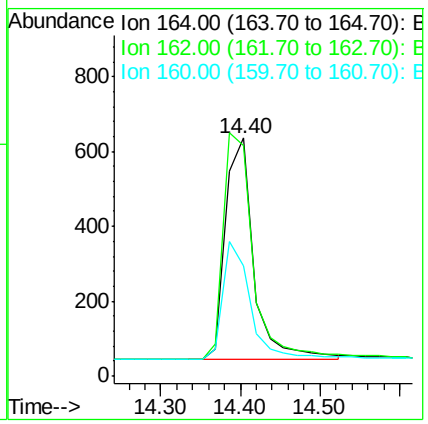


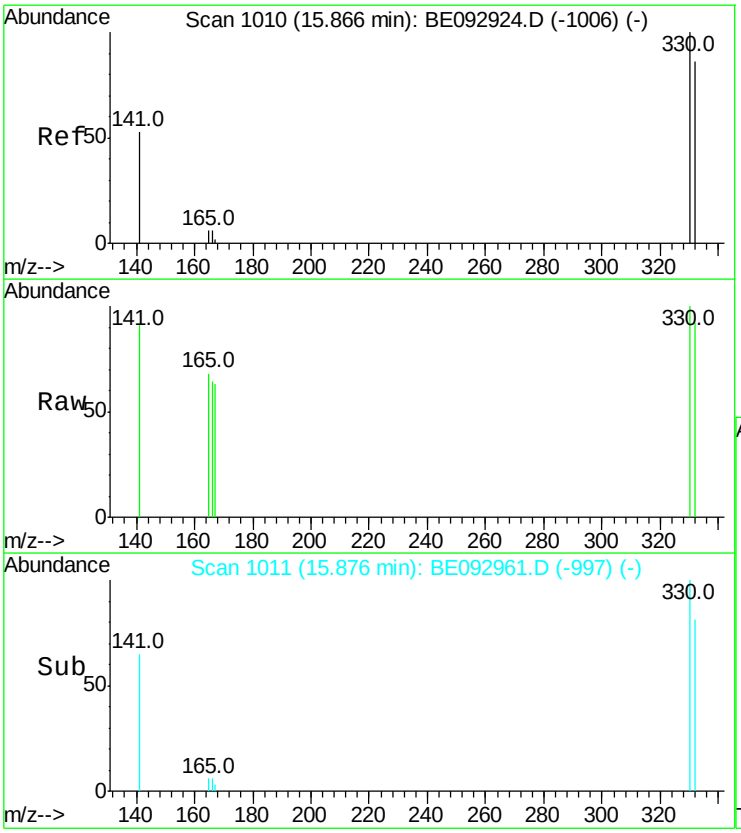

#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.40 min Scan# 902
Delta R.T. 0.02 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

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

Tgt Ion:164 Resp: 1456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 96.9 | 86.6 | 130.0 |
| 160 | 46.5 | 44.5 | 66.7 |

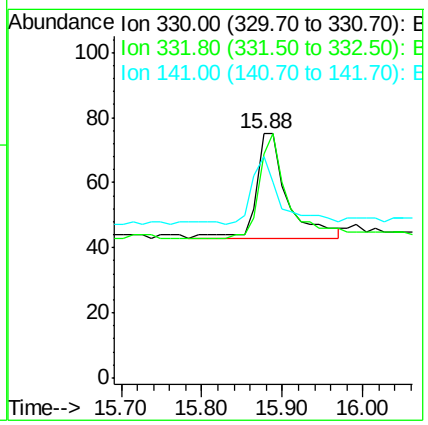


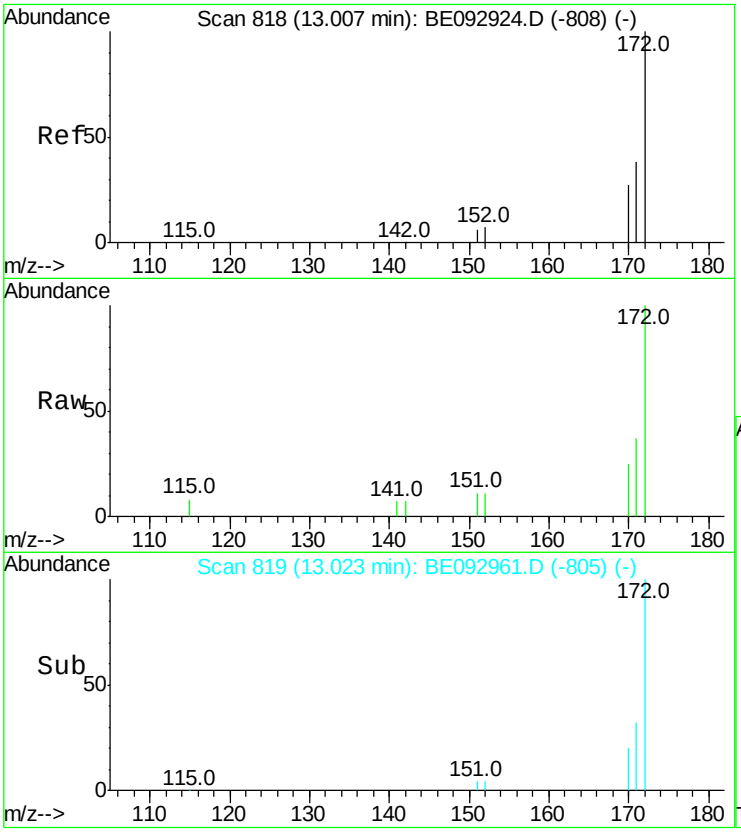




#14
2,4,6-Tribromophenol
Concen: 0.37 ng
RT: 15.88 min Scan# 1011
Delta R.T. 0.01 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

Tgt Ion:330 Resp: 85

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 91.8 | 69.1 | 103.7 |
| 141 | 60.0 | 54.6 | 81.8 |



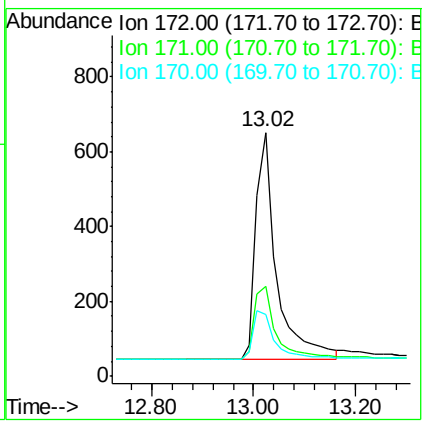


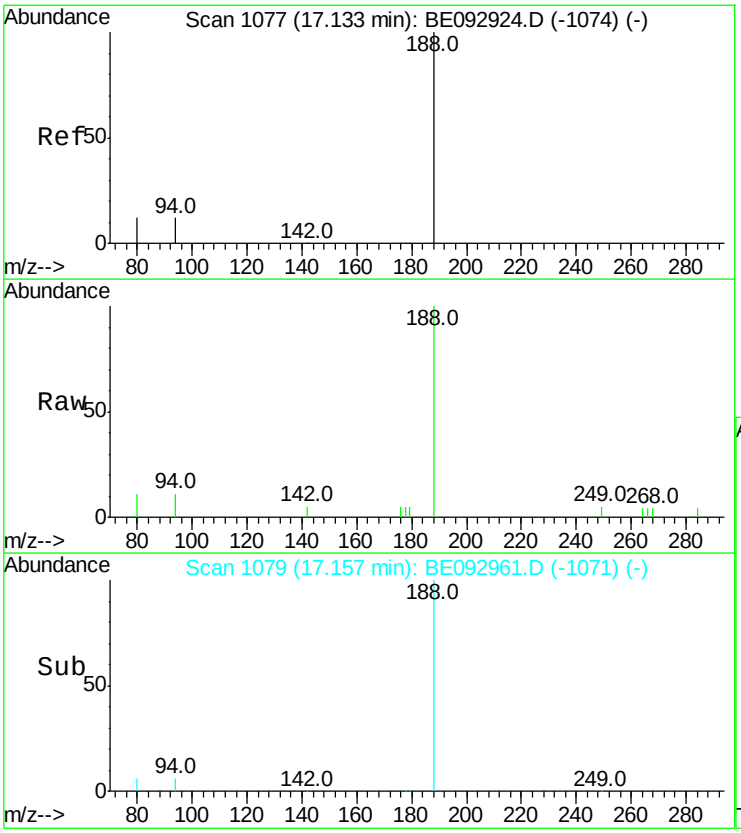

#15
2-Fluorobiphenyl
Concen: 0.25 ng
RT: 13.02 min Scan# 819
Delta R.T. 0.02 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

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

Tgt Ion:172 Resp: 1686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.9 | 35.8 | 53.6 |
| 170 | 25.2 | 28.5 | 42.7# |

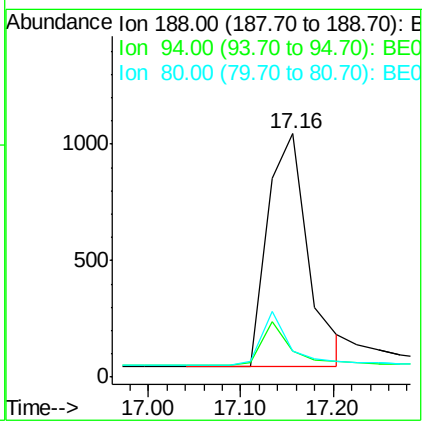


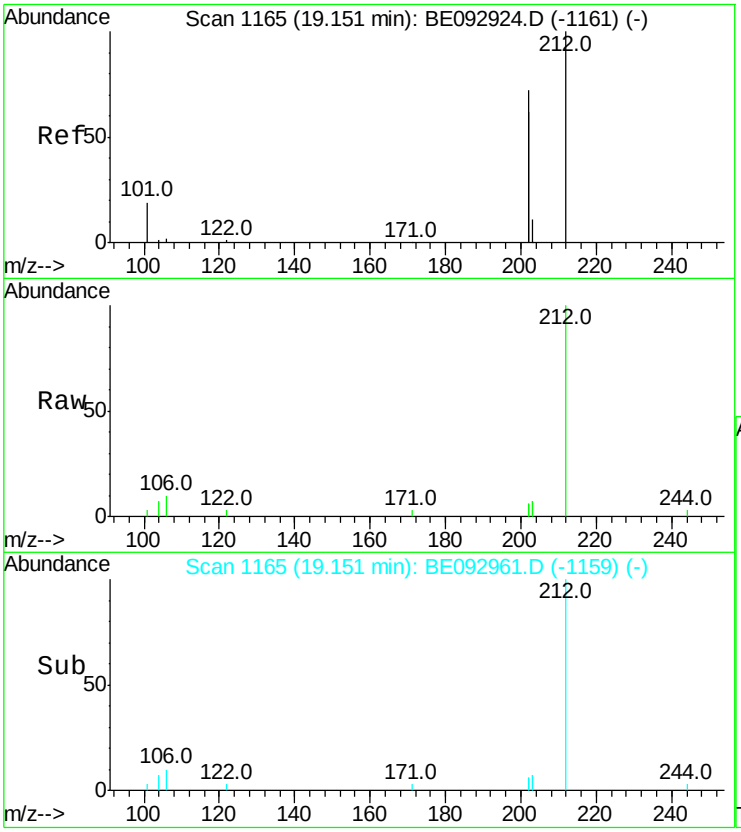




#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.16 min Scan# 1079
Delta R.T. 0.02 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

Tgt Ion:188 Resp: 3049

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.5 | 10.2 | 15.4 |
| 80 | 10.6 | 10.6 | 15.8 |



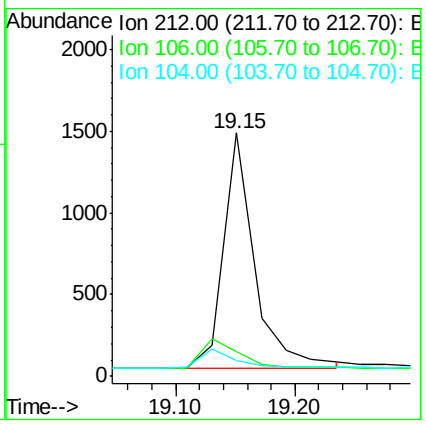


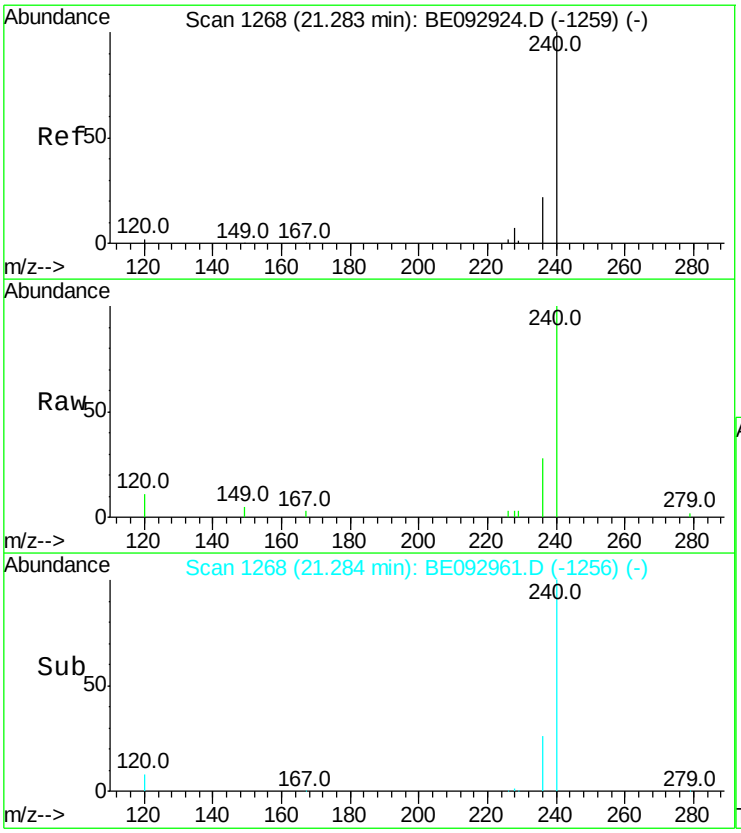

#24
Fluoranthene-d10
Concen: 0.37 ng
RT: 19.15 min Scan# 1165
Delta R.T. 0.00 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

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

Tgt Ion:212 Resp: 2640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 0.0 | 0.0 | 0.0 |
| 104 | 0.0 | 0.0 | 0.0 |

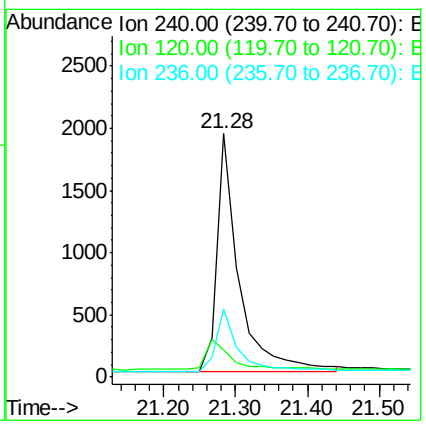


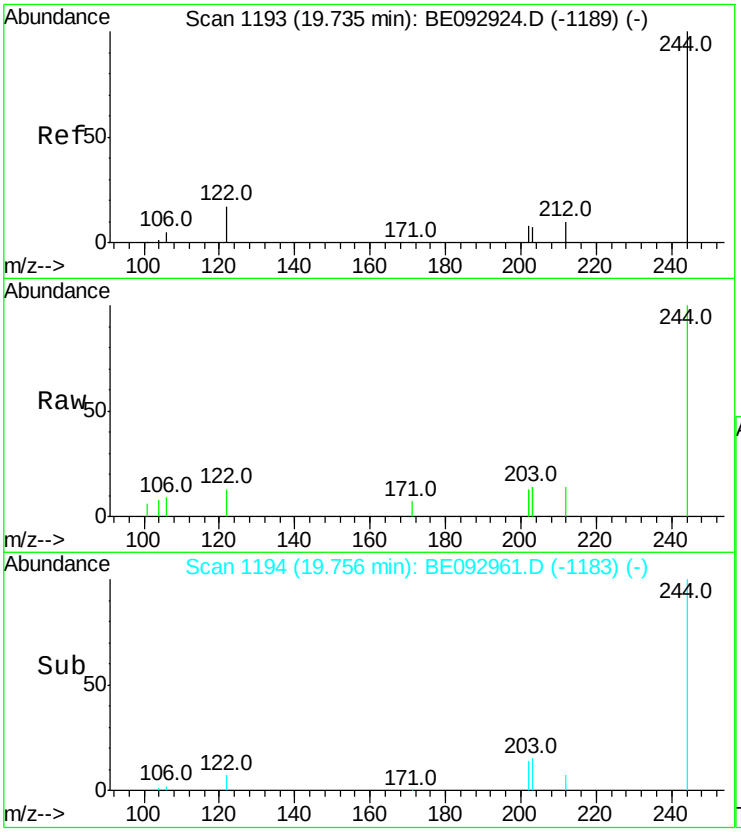




#26
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1268
Delta R.T. 0.00 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

Tgt Ion:240 Resp: 4064

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.0 | 4.6 | 6.8# |
| 236 | 28.1 | 19.8 | 29.8 |



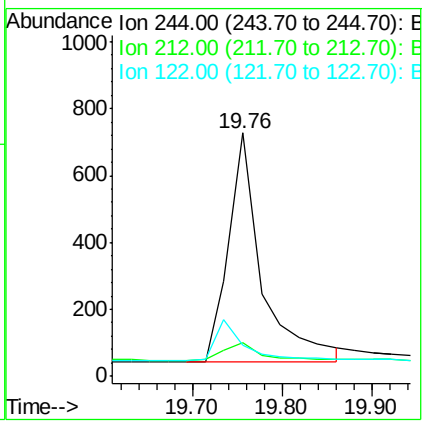


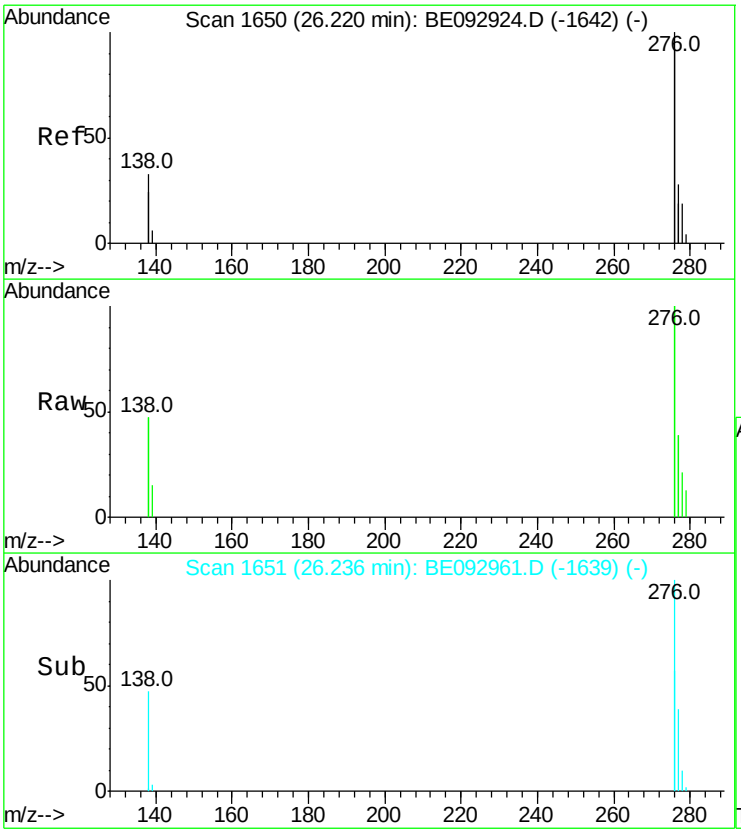

#28
Terphenyl-d14
Concen: 0.25 ng
RT: 19.76 min Scan# 1194
Delta R.T. 0.02 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

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

Tgt Ion:244 Resp: 1757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 13.7 | 18.4 | 27.6# |
| 122 | 12.6 | 23.3 | 34.9# |

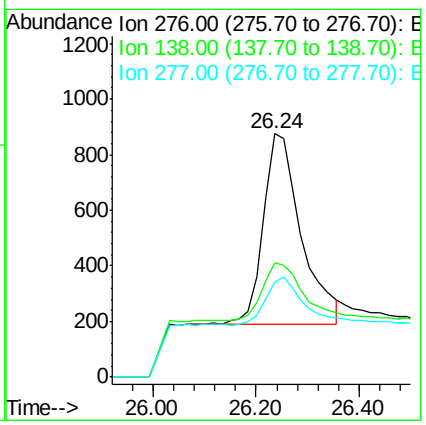


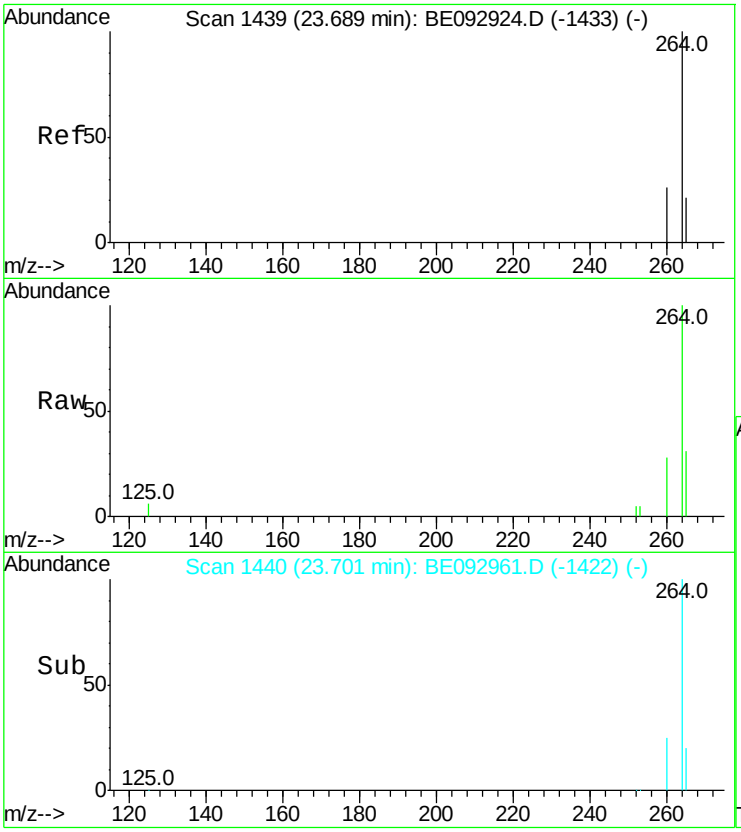




#32
Indeno(1,2,3-cd)pyrene
Concen: 0.08 ng
RT: 26.24 min Scan# 1651
Delta R.T. 0.02 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

Tgt Ion:276 Resp: 3513

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 33.8 | 25.8 | 38.6 |
| 277 | 24.6 | 20.2 | 30.4 |



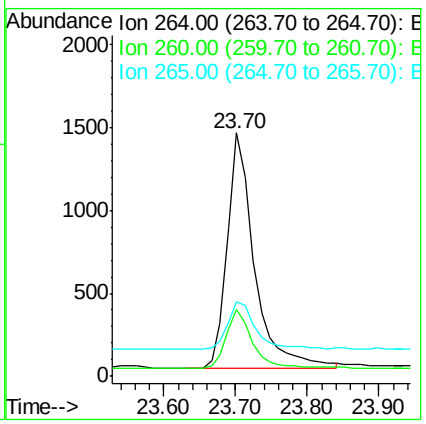


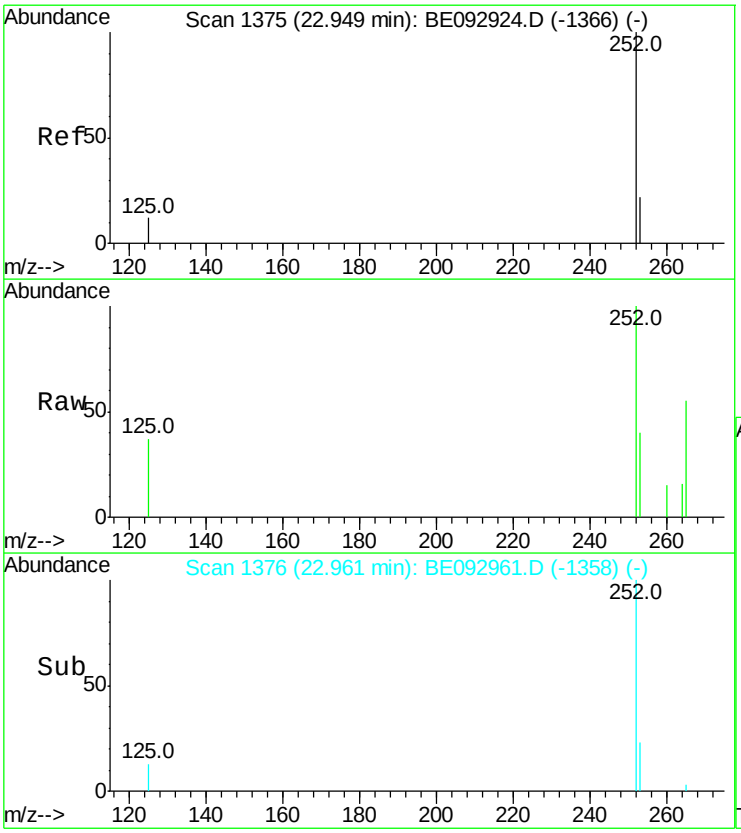

#33
Perylene-d12
Concen: 0.40 ng
RT: 23.70 min Scan# 1440
Delta R.T. 0.01 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

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

Tgt Ion:264 Resp: 3741

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 27.7 | 23.5 | 35.3 |
| 265 | 30.8 | 27.2 | 40.8 |

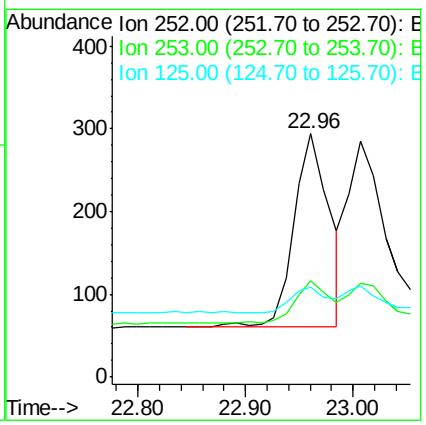


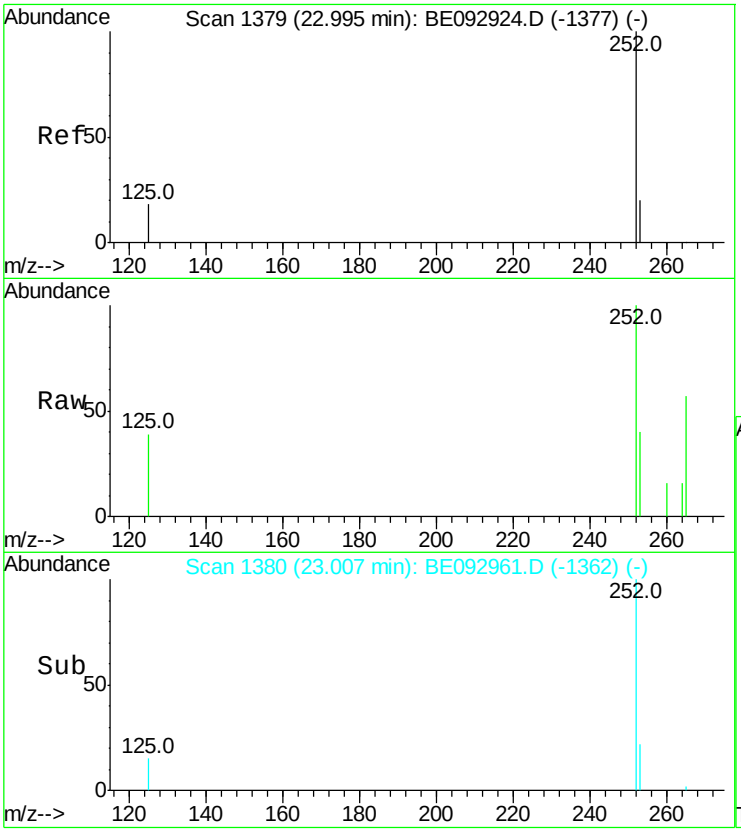




#34
Benzo(b)fluoranthene
Concen: 0.04 ng
RT: 22.96 min Scan# 1376
Delta R.T. 0.01 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

Tgt Ion:252 Resp: 541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 39.8 | 24.7 | 37.1# |
| 125 | 36.7 | 20.3 | 30.5# |



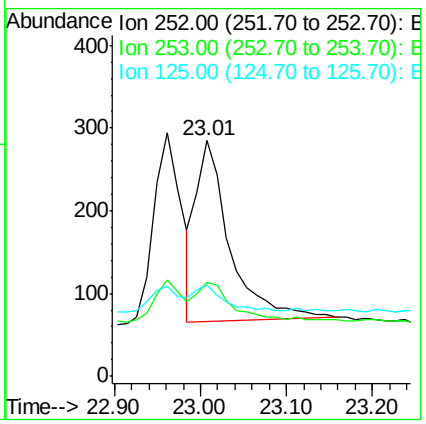


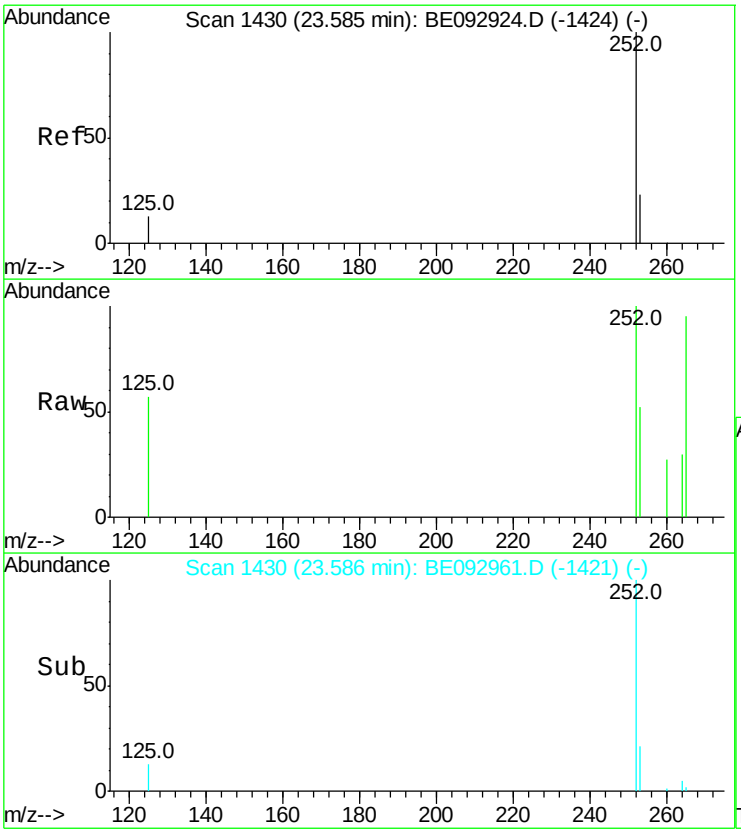

#35
Benzo(k)fluoranthene
Concen: 0.05 ng
RT: 23.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

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

Tgt Ion:252 Resp: 595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 40.0 | 25.8 | 38.8# |
| 125 | 38.9 | 22.9 | 34.3# |

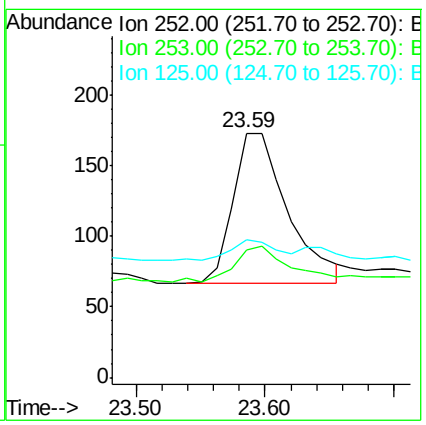


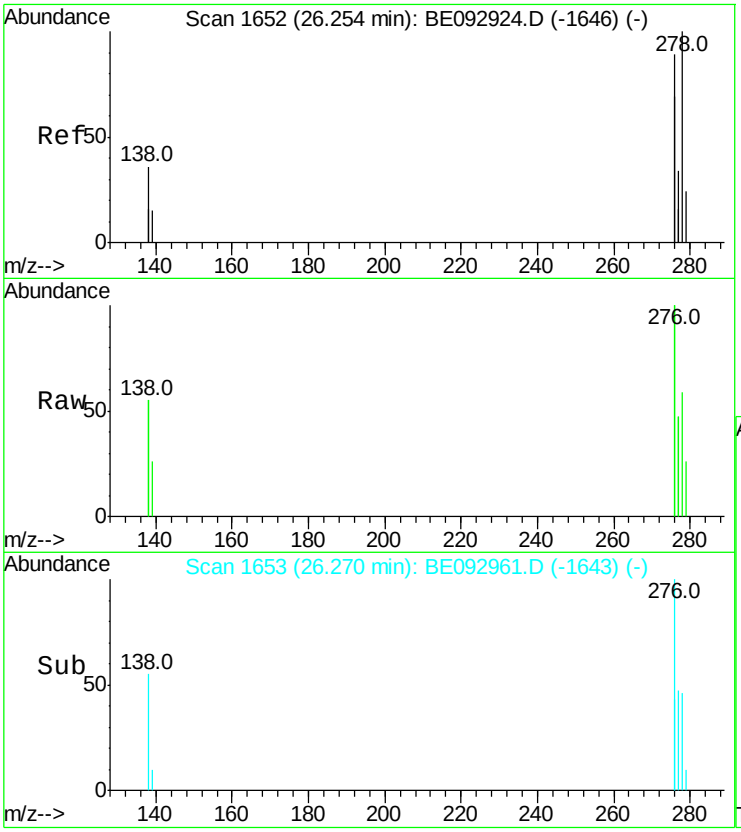




#36
Benzo(a)pyrene
Concen: 0.03 ng
RT: 23.59 min Scan# 1430
Delta R.T. 0.00 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

Tgt Ion:252 Resp: 312

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 52.0 | 31.3 | 46.9# |
| 125 | 56.6 | 26.4 | 39.6# |



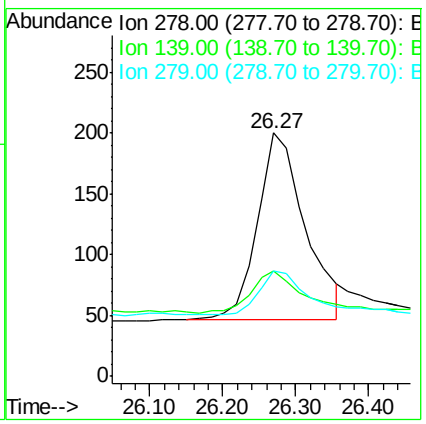


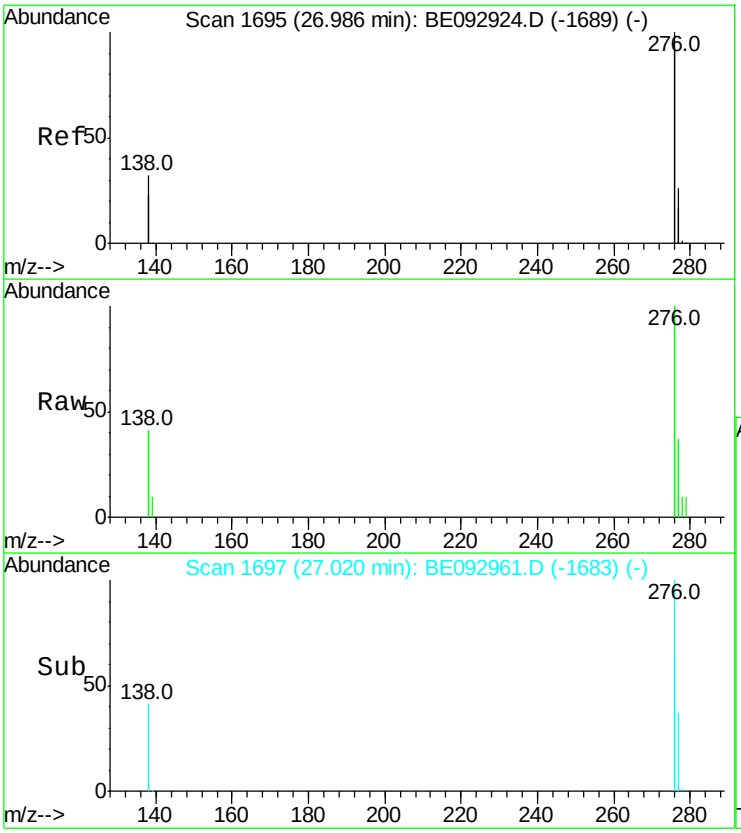

#37
Dibenzo(a,h)anthracene
Concen: 0.06 ng
RT: 26.27 min Scan# 1653
Delta R.T. 0.02 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

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

Tgt Ion:278 Resp: 695

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 43.5 | 27.4 | 41.2# |
| 279 | 43.5 | 33.3 | 49.9 |




#38
Benzo(g,h,i)perylene
Concen: 0.08 ng
RT: 27.02 min Scan# 1697
Delta R.T. 0.03 min
Lab File: BE092961.D
Acq: 9 May 2017 12:56

Tgt Ion:276 Resp: 3926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 36.8 | 29.9 | 44.9 |
| 138 | 40.7 | 34.6 | 51.8 |