Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120817\
Data File : BE094953.D
Acq On : 8 Dec 2017 17:47
Operator : SJ/JU
Sample : PB104842BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Dec 09 00:26:51 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 13:33:28 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.48 | 152 | 7265 | 0.40 | ng | | 0.00 |
| 7) Naphthalene-d8 | 11.33 | 136 | 15072 | 0.40 | ng | | 0.00 |
| 13) Acenaphthene-d10 | 15.06 | 164 | 7388 | 0.40 | ng | | -0.01 |
| 19) Phenanthrene-d10 | 17.77 | 188 | 18507 | 0.40 | ng | | 0.00 |
| 27) Chrysene-d12 | 21.89 | 240 | 19773 | 0.40 | ng | | 0.00 |
| 34) Perylene-d12 | 24.56 | 264 | 16001 | 0.40 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) 2-Fluorophenol | 5.95 | 112 | 3244 | 0.28 | ng | | 0.00 |
| 5) Phenol-d6 | 7.60 | 99 | 4634 | 0.27 | ng | | 0.00 |
| 8) Nitrobenzene-d5 | 9.66 | 82 | 3788 | 0.42 | ng | | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.86 | 152 | 7004 | 0.29 | ng | | 0.00 |
| 14) 2,4,6-Tribromophenol | 16.53 | 330 | 425 | 0.32 | ng | | 0.00 |
| 15) 2-Fluorobiphenyl | 13.71 | 172 | 10943 | 0.35 | ng | | 0.00 |
| 25) Fluoranthene-d10 | 19.76 | 212 | 72098 | 0.29 | ng | | 0.00 |
| 29) Terphenyl-d14 | 20.33 | 244 | 13500 | 0.37 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 22) Pentachlorophenol | 17.43 | 266 | 7 | 0.135 | ng | | 96 |
| 30) Benzo(a)anthracene | 21.85 | 228 | 1650 | 0.027 | ng | # | 66 |
| 31) Chrysene | 21.92 | 228 | 2347 | 0.035 | ng | # | 66 |
| 33) Indeno(1,2,3-cd)pyrene | 27.43 | 276 | 1689 | 0.031 | ng | # | 86 |
| 35) Benzo(b)fluoranthene | 23.73 | 252 | 1736 | 0.030 | ng | # | 61 |
| 36) Benzo(k)fluoranthene | 23.78 | 252 | 1592 | 0.027 | ng | # | 62 |
| 37) Benzo(a)pyrene | 24.44 | 252 | 1487 | 0.029 | ng | # | 66 |
| 38) Dibenzo(a,h)anthracene | 27.45 | 278 | 1409 | 0.030 | ng | # | 67 |
| 39) Benzo(g,h,i)perylene | 28.32 | 276 | 1502 | 0.032 | ng | # | 62 |

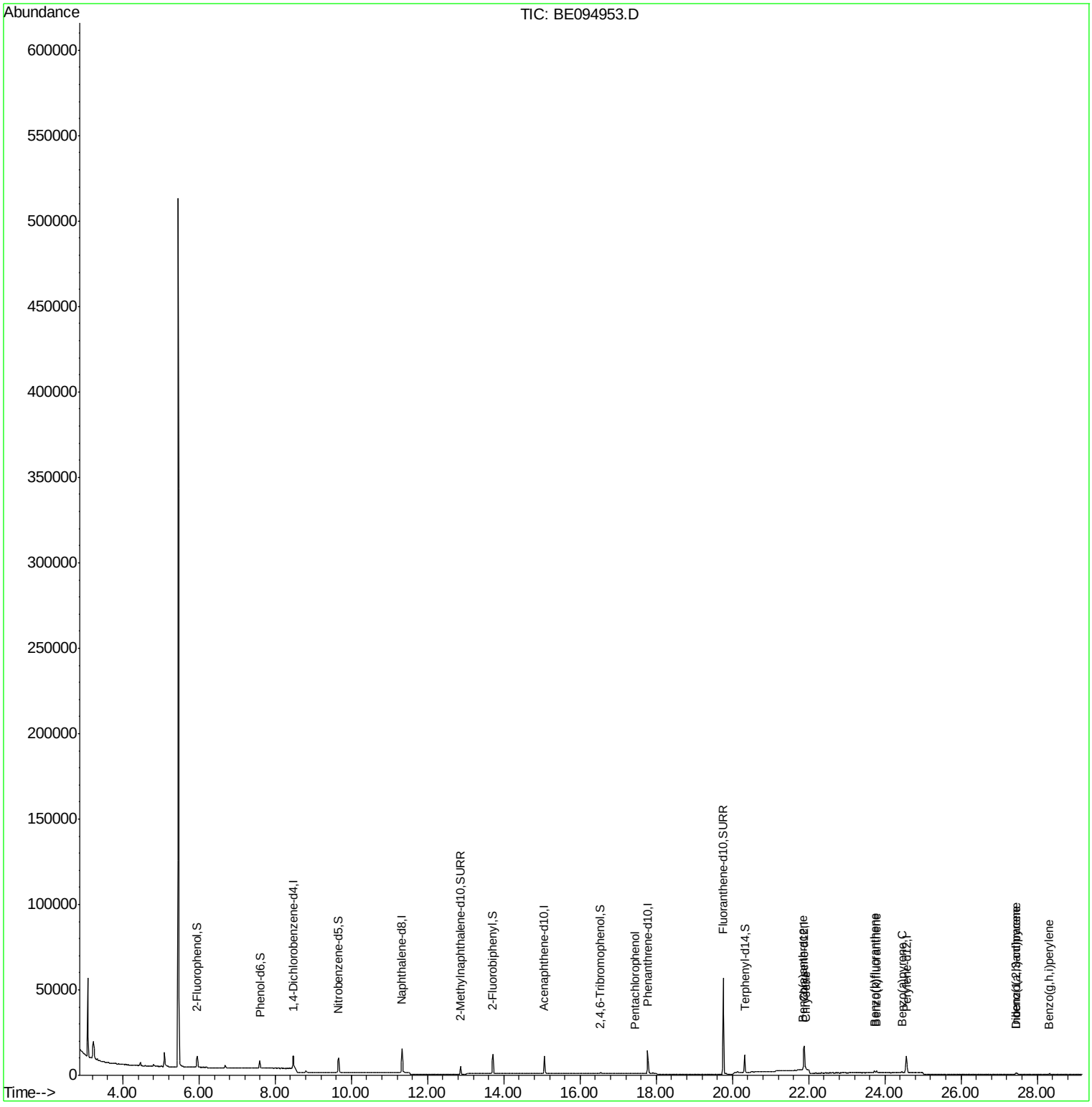
(#) = qualifier out of range (m) = manual integration (+) = signals summed

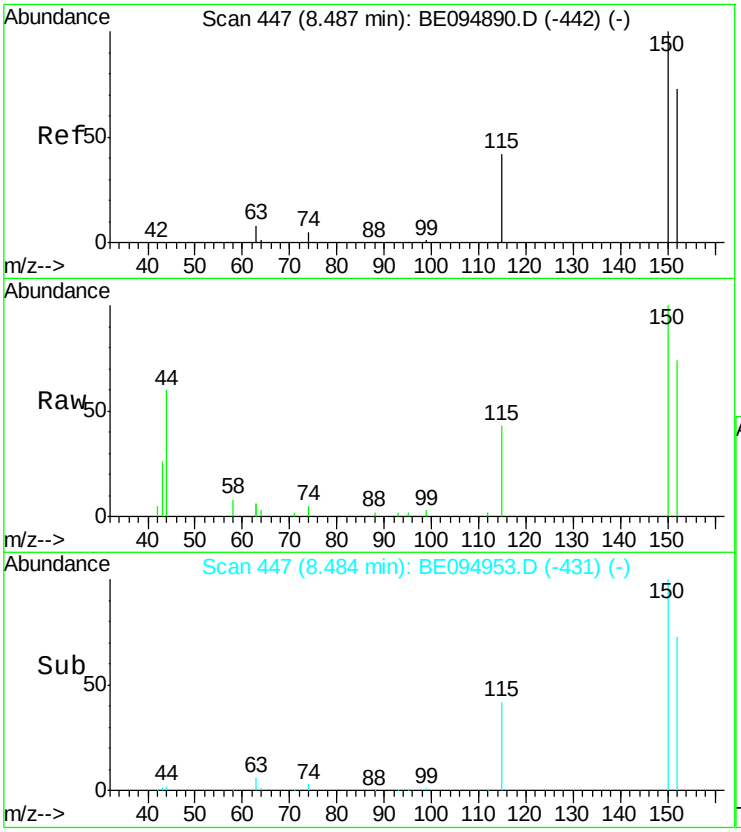
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE120817\
Data File : BE094953.D
Acq On : 8 Dec 2017 17:47
Operator : SJ/JU
Sample : PB104842BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Dec 09 00:26:51 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE113017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 01 13:33:28 2017
Response via : Initial Calibration



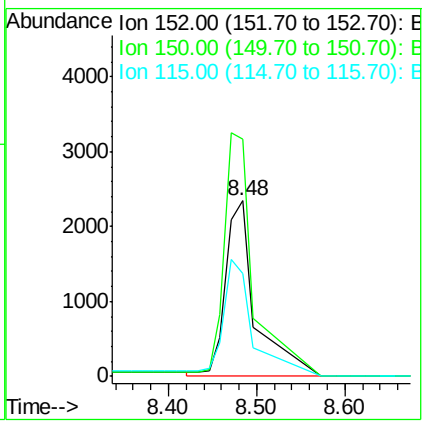


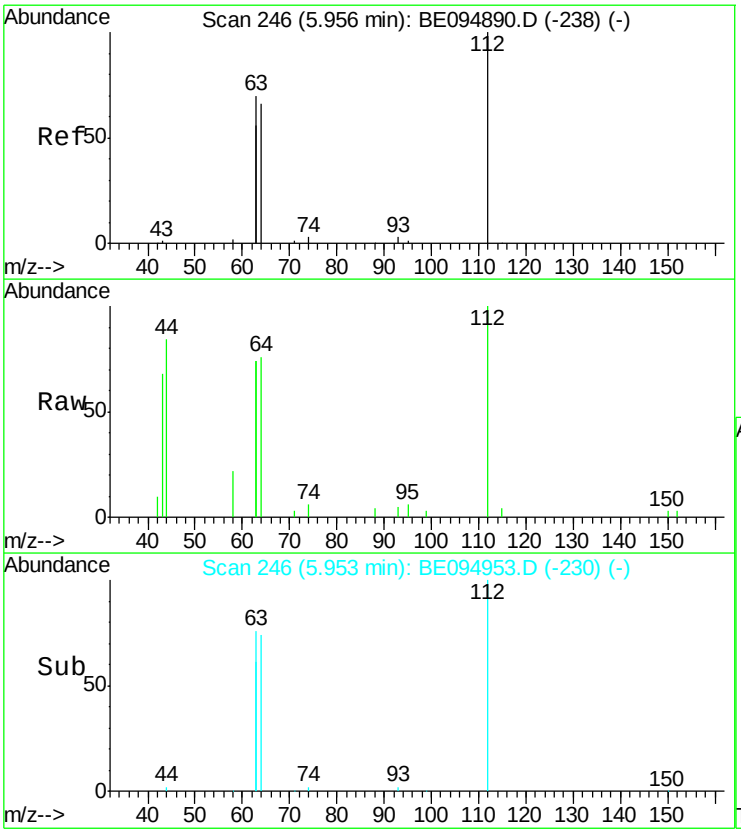

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.48 min Scan# 447
Delta R.T. -0.00 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

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

Tgt Ion:152 Resp: 7265

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 135.6 | 117.2 | 175.8 |
| 115 | 58.8 | 57.0 | 85.6 |

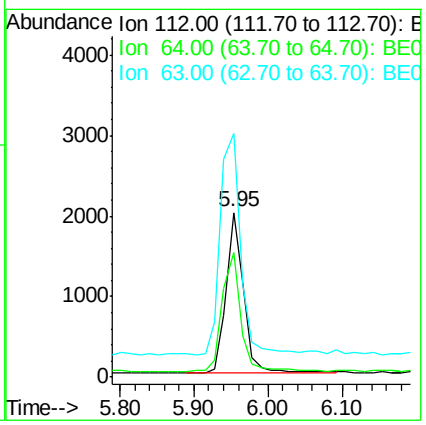


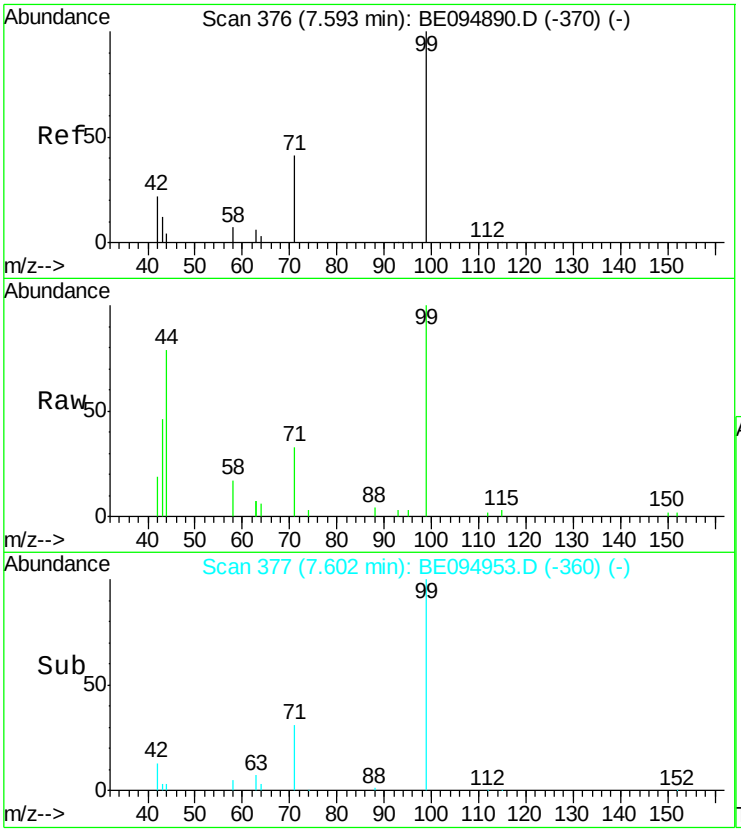




#4
2-Fluorophenol
Concen: 0.282 ng
RT: 5.95 min Scan# 246
Delta R.T. -0.00 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

Tgt Ion:112 Resp: 3244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 78.6 | 60.1 | 90.1 |
| 63 | 162.9 | 116.8 | 175.2 |



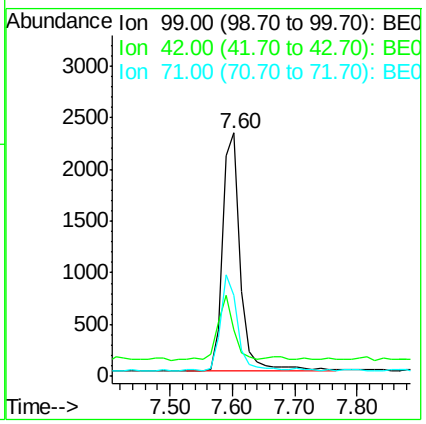


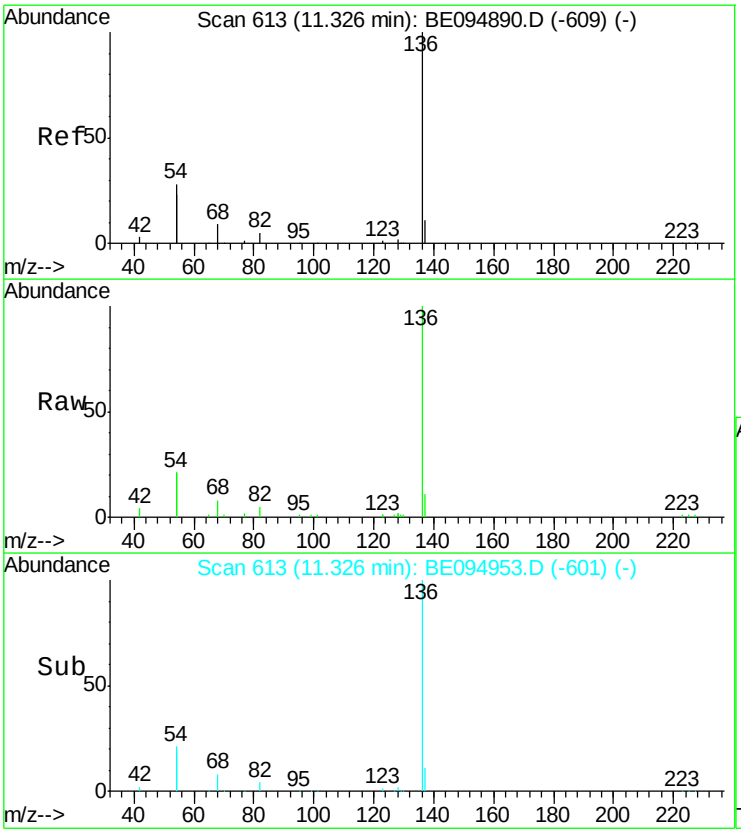

#5
Phenol-d6
Concen: 0.272 ng
RT: 7.60 min Scan# 377
Delta R.T. 0.01 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

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

Tgt Ion: 99 Resp: 4634

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 24.5 | 20.2 | 30.2 |
| 71 | 37.9 | 28.4 | 42.6 |

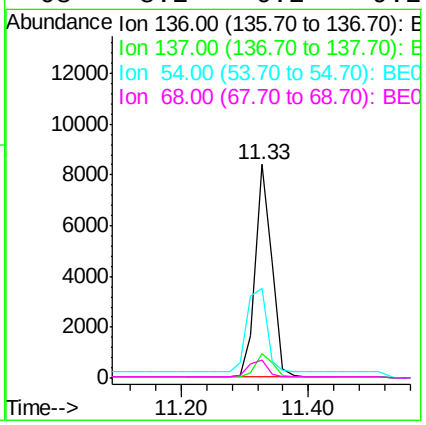


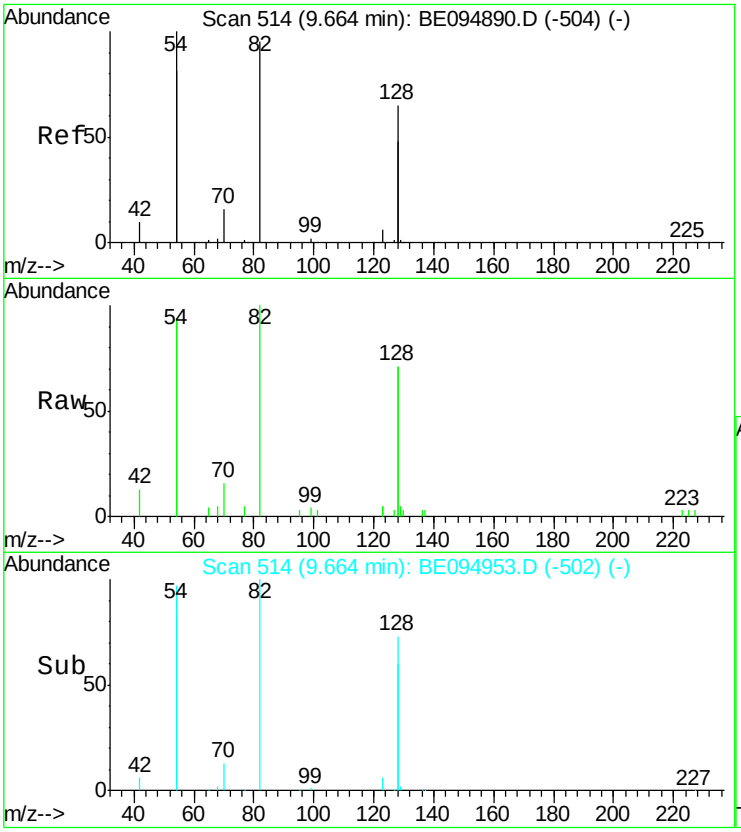




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.33 min Scan# 613
Delta R.T. -0.00 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

Tgt Ion:136 Resp: 15072

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.5 | 9.5 | 14.3 |
| 54 | 42.1 | 29.1 | 43.7 |
| 68 | 8.2 | 6.2 | 9.2 |



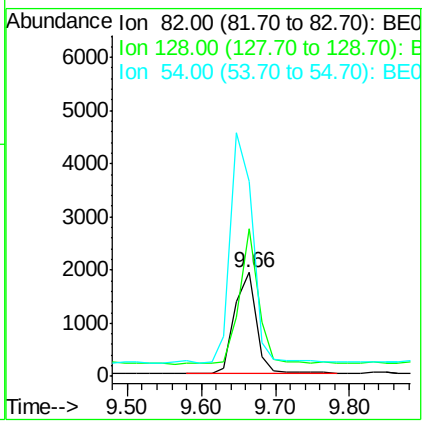


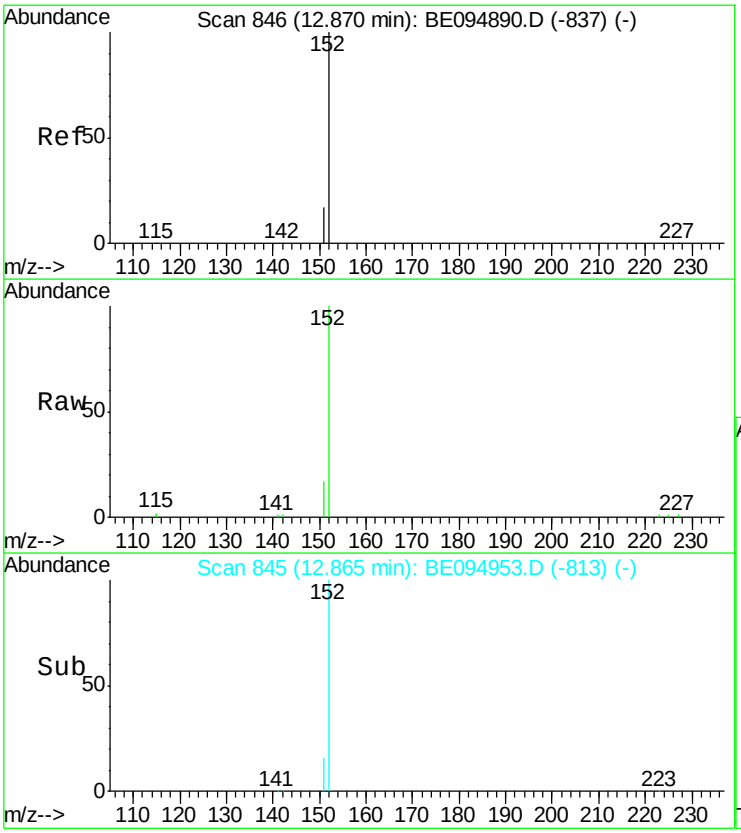

#8
Nitrobenzene-d5
Concen: 0.425 ng
RT: 9.66 min Scan# 514
Delta R.T. -0.00 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

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

Tgt Ion: 82 Resp: 3788

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 141.5 | 150.0 | 225.0# |
| 54 | 188.1 | 154.2 | 231.4 |

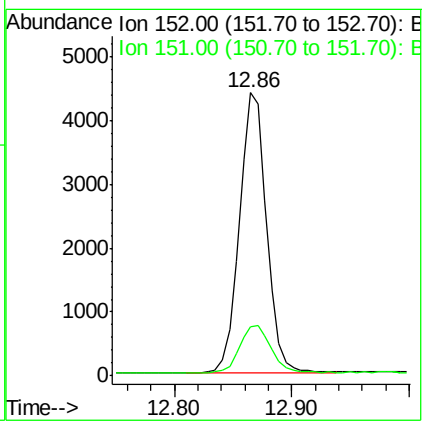


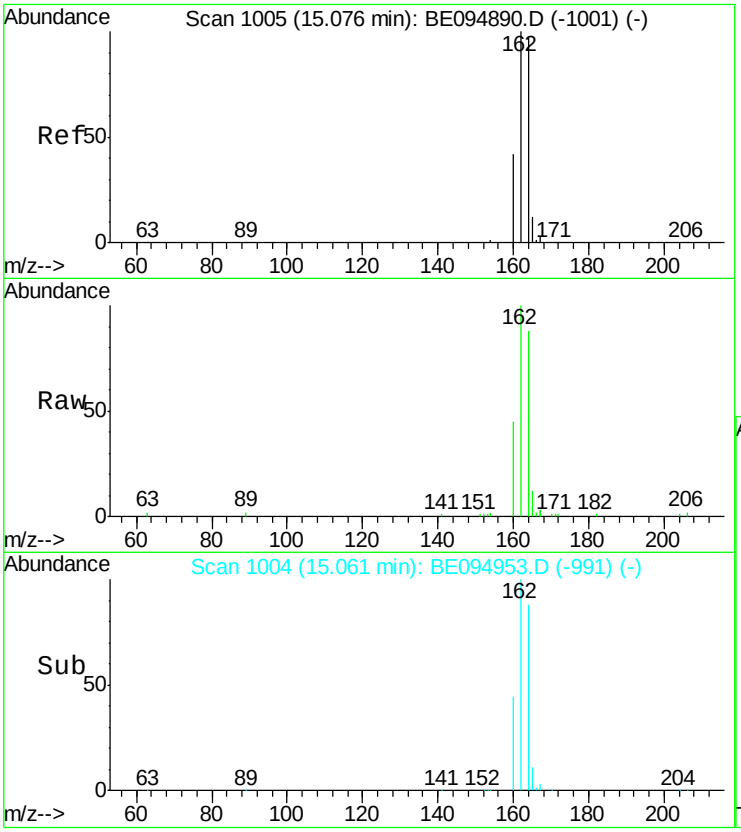




#11
2-Methylnaphthalene-d10
Concen: 0.291 ng
RT: 12.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

Tgt Ion:152 Resp: 7004

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.0 | 15.4 | 23.0 |



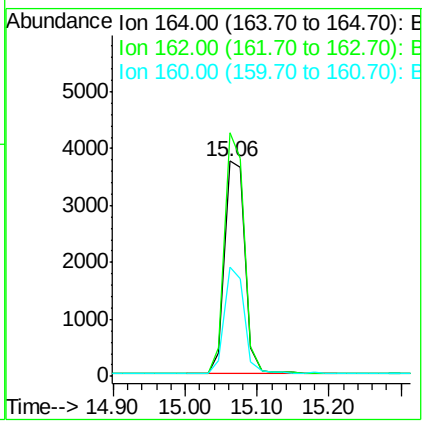


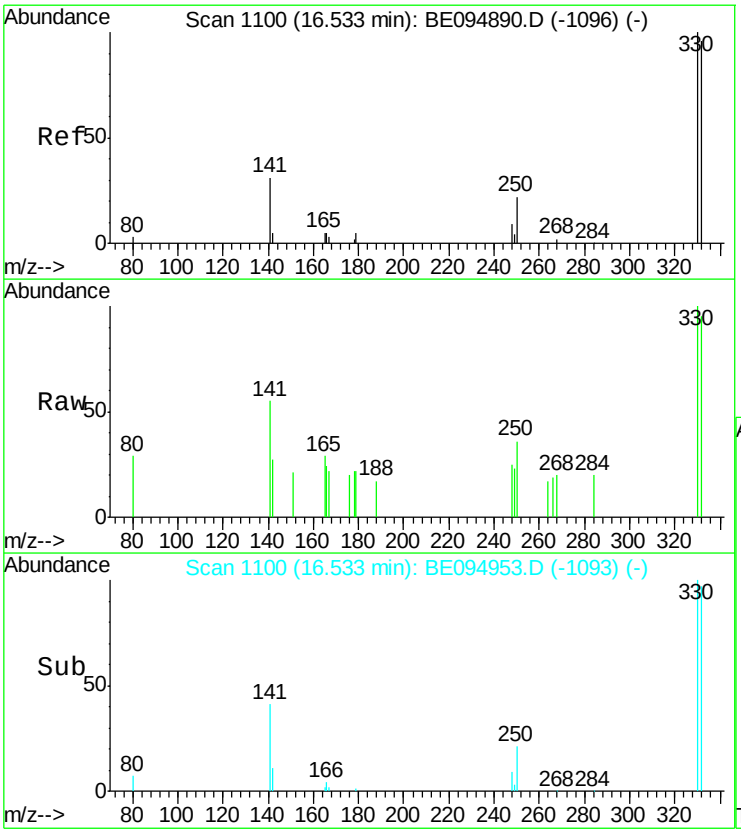

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 15.06 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

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

Tgt Ion:164 Resp: 7388

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 113.3 | 83.1 | 124.7 |
| 160 | 50.8 | 37.1 | 55.7 |

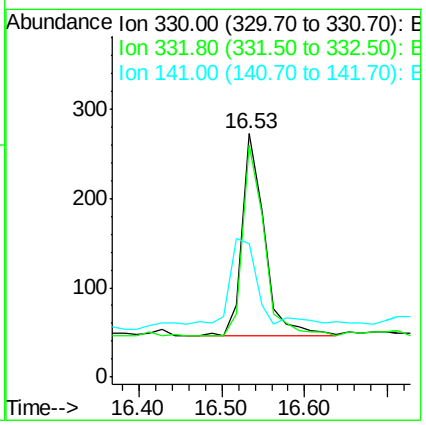


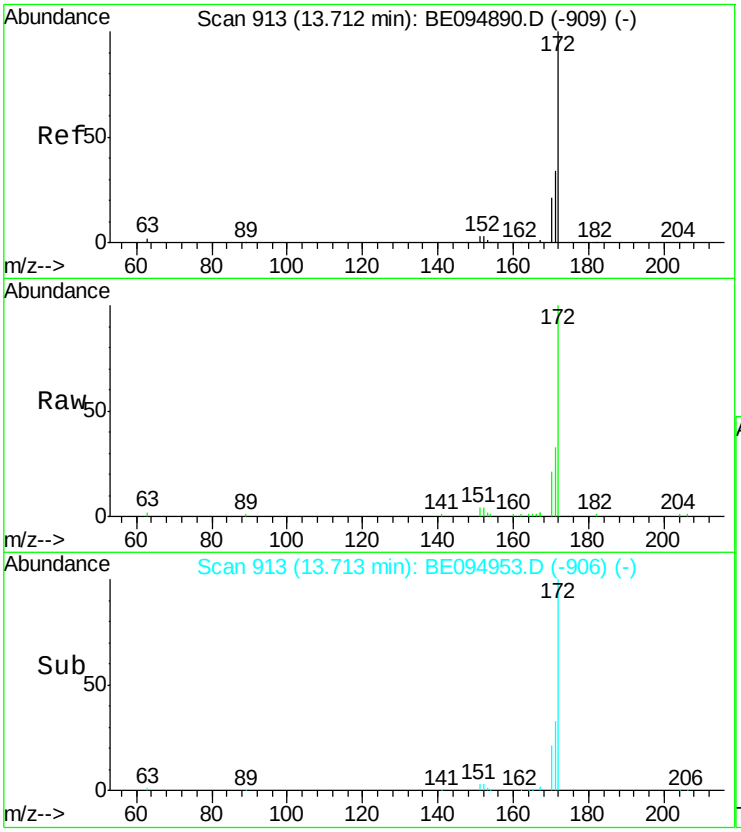




#14
2,4,6-Tribromophenol
Concen: 0.320 ng
RT: 16.53 min Scan# 1100
Delta R.T. 0.00 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

Tgt Ion:330 Resp: 425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 91.1 | 152.7 | 229.1# |
| 141 | 49.6 | 33.7 | 50.5 |



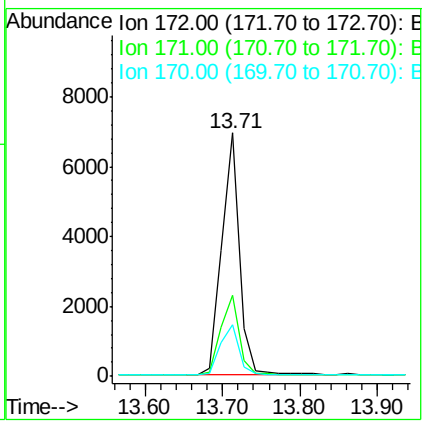


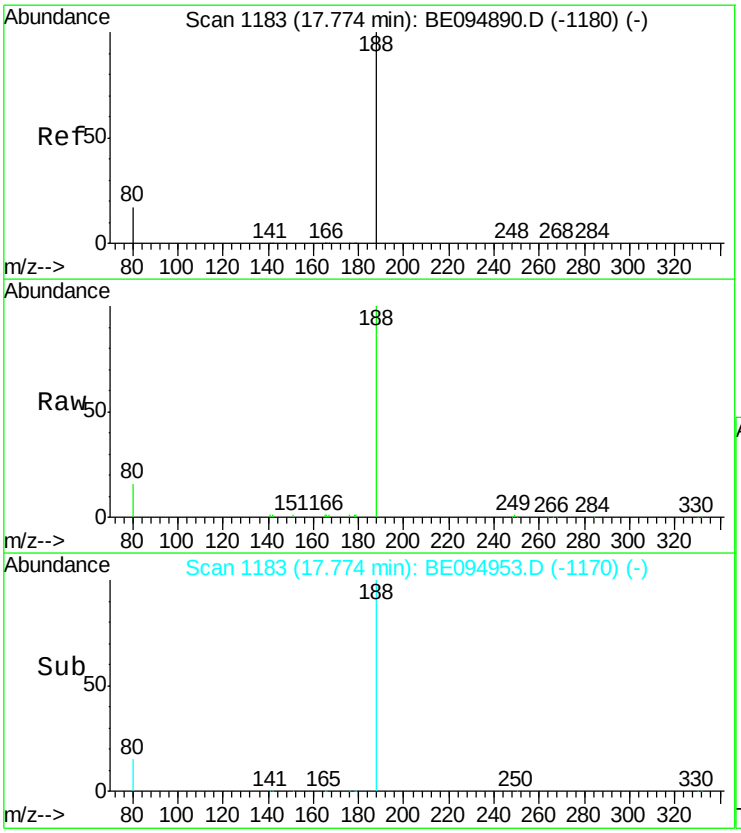

#15
2-Fluorobiphenyl
Concen: 0.346 ng
RT: 13.71 min Scan# 913
Delta R.T. 0.00 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

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

Tgt Ion:172 Resp: 10943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.5 | 29.9 | 44.9 |
| 170 | 21.1 | 21.8 | 32.8# |

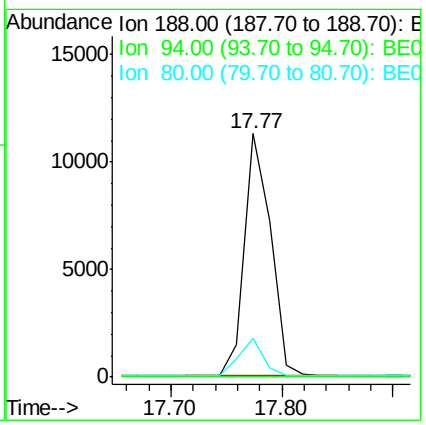


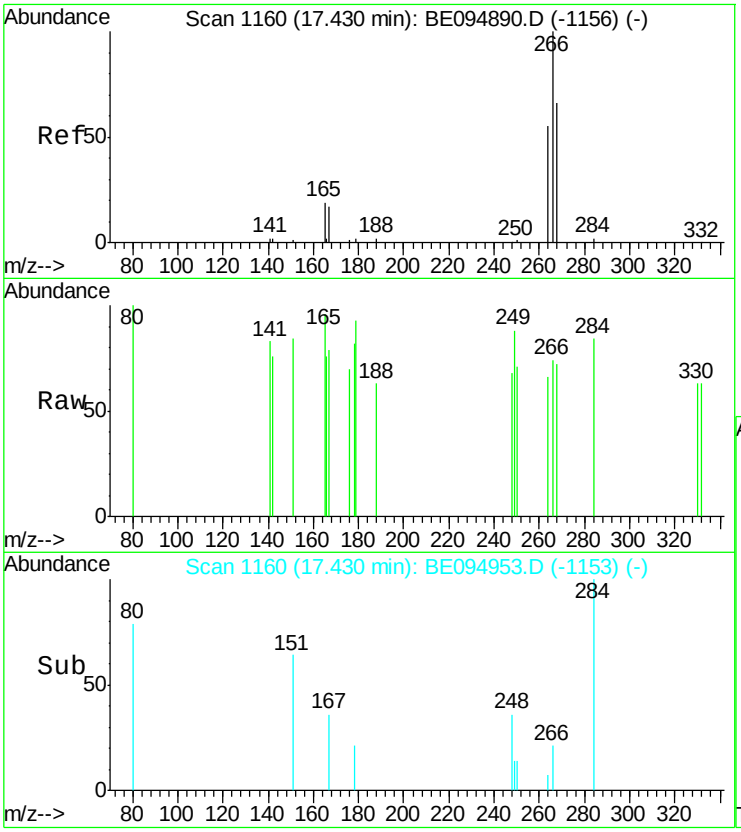




#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.77 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

Tgt Ion:188 Resp: 18507

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 3.9 | 5.9# |
| 80 | 15.9 | 3.6 | 5.4# |



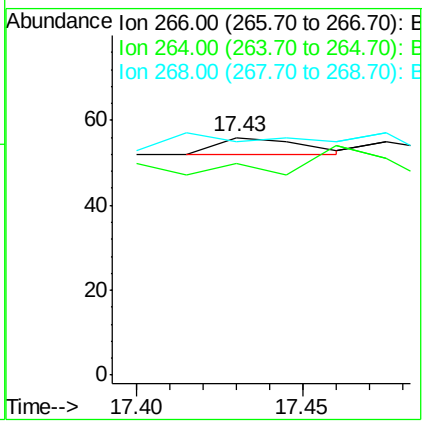


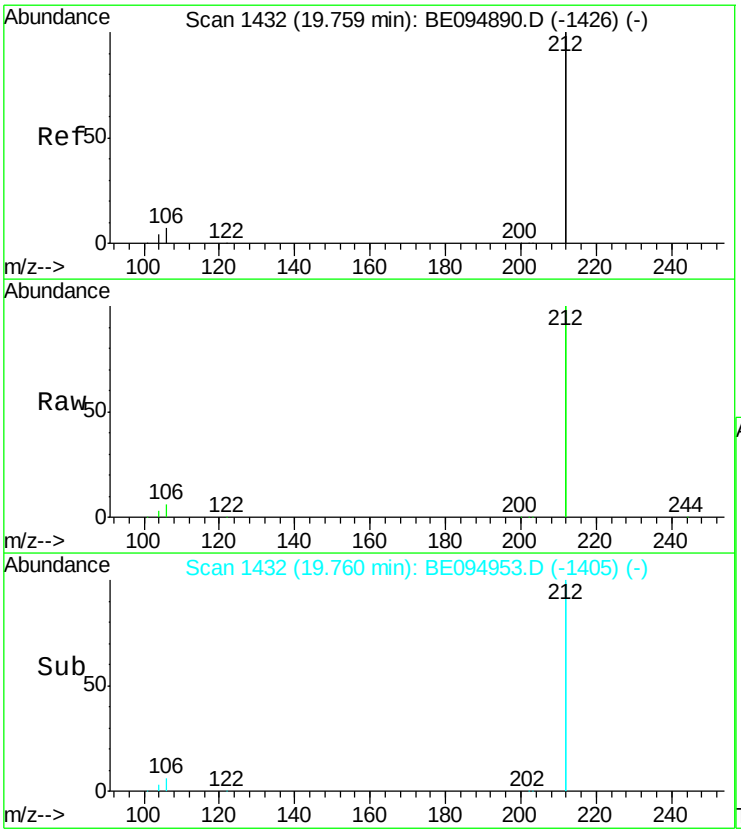

#22
Pentachlorophenol
Concen: 0.135 ng
RT: 17.43 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

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

Tgt Ion:266 Resp: 7

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 89.3 | 72.5 | 108.7 |
| 268 | 98.2 | 73.8 | 110.6 |

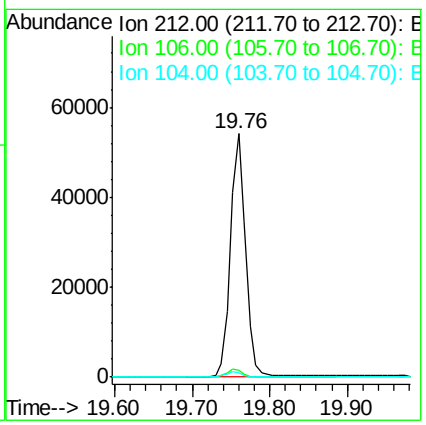


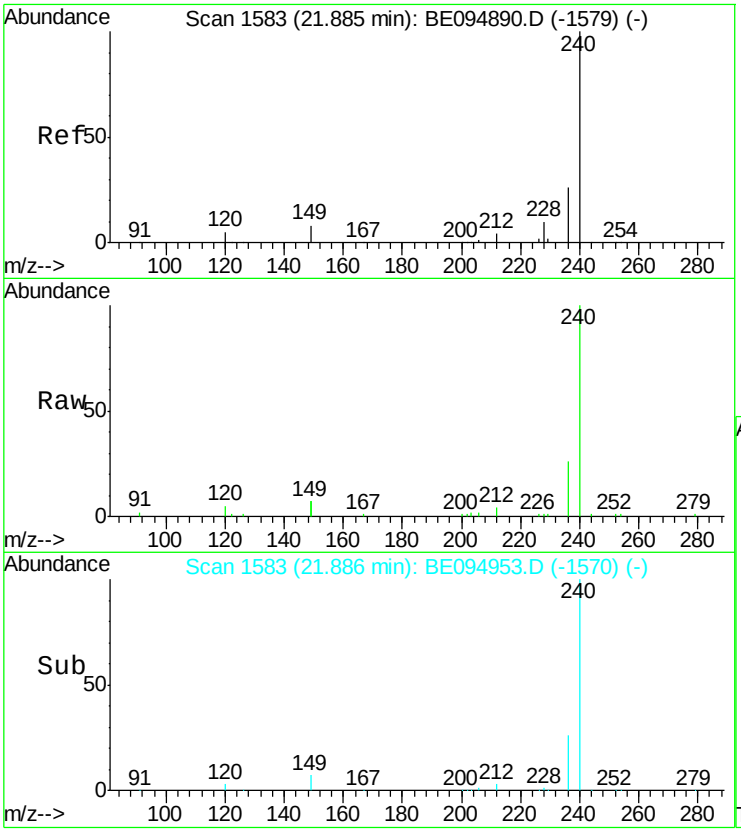




#25
Fluoranthene-d10
Concen: 0.285 ng
RT: 19.76 min Scan# 1432
Delta R.T. 0.00 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

Tgt Ion:212 Resp: 72098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 3.3 | 2.8 | 4.2 |
| 104 | 2.0 | 1.6 | 2.4 |



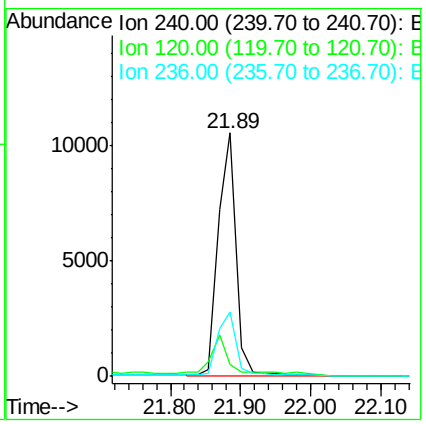


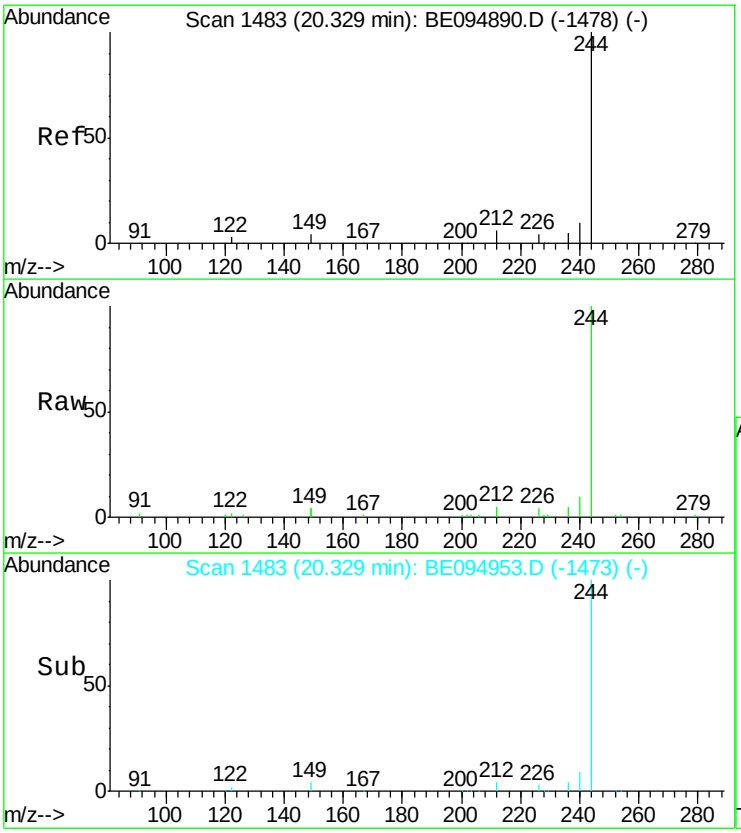

#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.89 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

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

Tgt Ion:240 Resp: 19773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 4.8 | 5.5 | 8.3# |
| 236 | 26.5 | 20.7 | 31.1 |

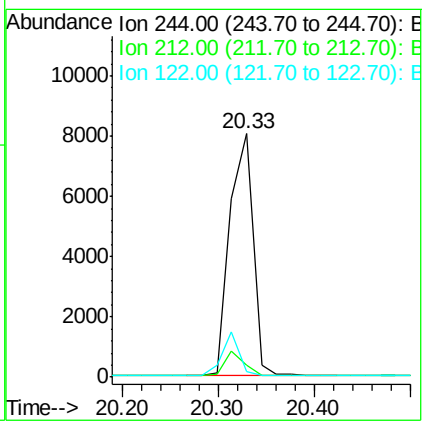


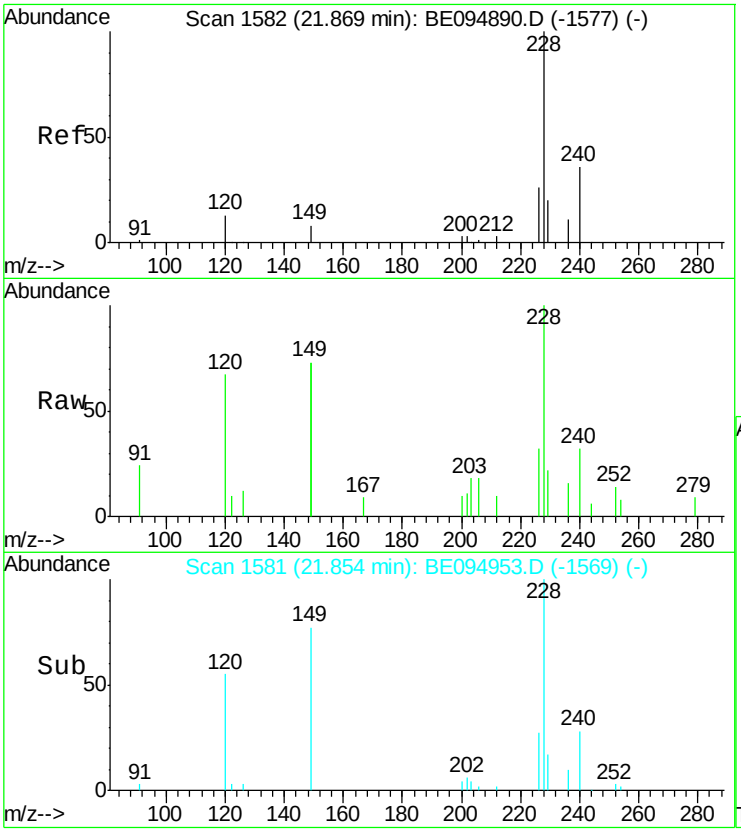




#29
Terphenyl-d14
Concen: 0.370 ng
RT: 20.33 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

Tgt Ion:244 Resp: 13500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 5.1 | 25.4 | 38.0# |
| 122 | 2.4 | 8.1 | 12.1# |



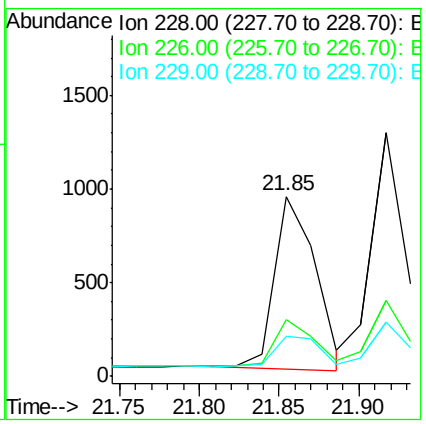


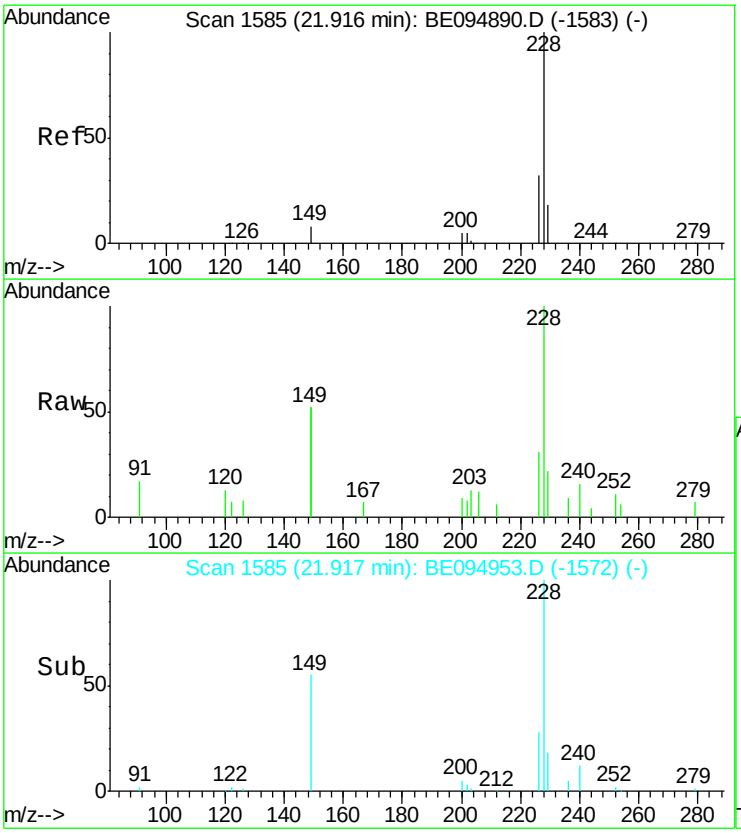

#30
Benzo(a)anthracene
Concen: 0.027 ng
RT: 21.85 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

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

Tgt Ion:228 Resp: 1650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.7 | 40.0 | 60.0# |
| 229 | 22.0 | 40.0 | 60.0# |

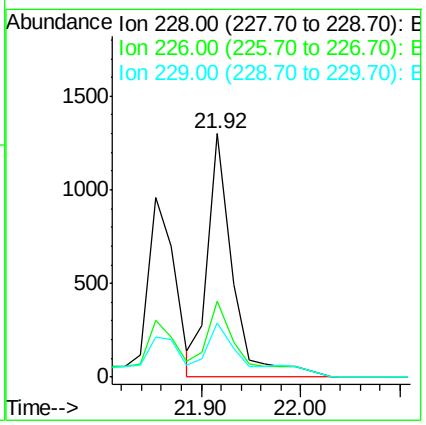


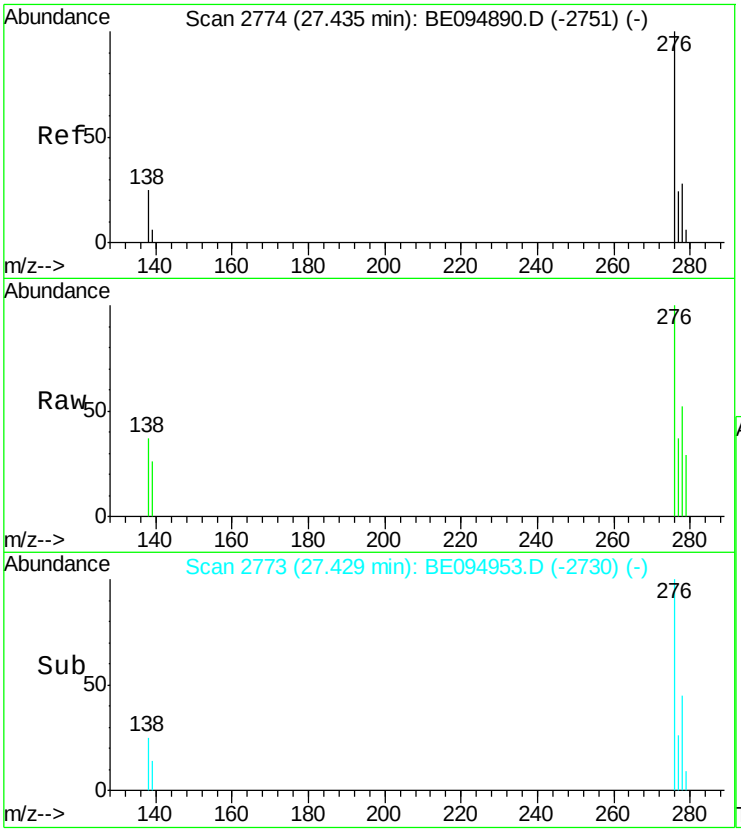




#31
Chrysene
Concen: 0.035 ng
RT: 21.92 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

Tgt Ion:228 Resp: 2347

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.2 | 40.0 | 60.0# |
| 229 | 22.0 | 40.0 | 60.0# |



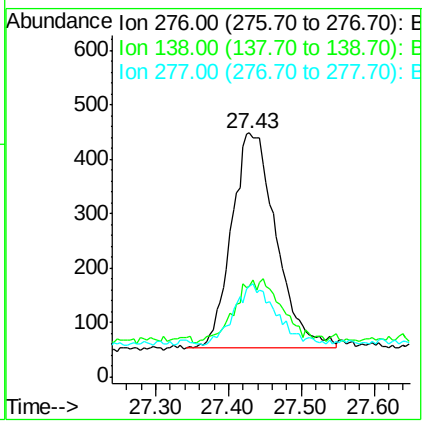


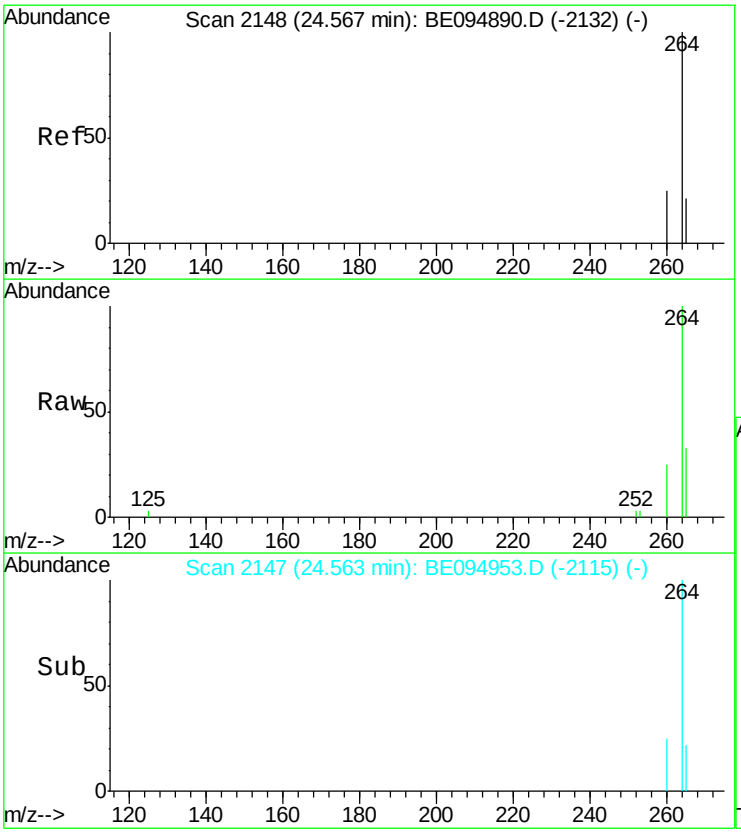

#33
Indeno(1,2,3-cd)pyrene
Concen: 0.031 ng
RT: 27.43 min Scan# 2773
Delta R.T. -0.01 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

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

Tgt Ion:276 Resp: 1689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 14.7 | 22.5 | 33.7# |
| 277 | 25.9 | 19.9 | 29.9 |

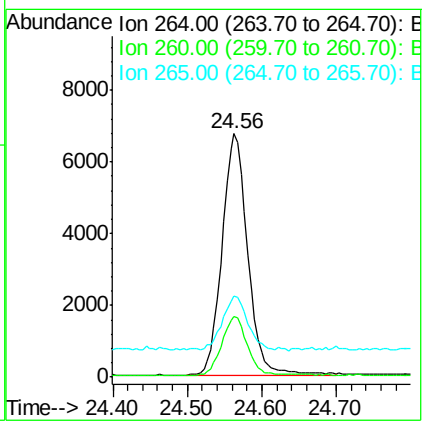


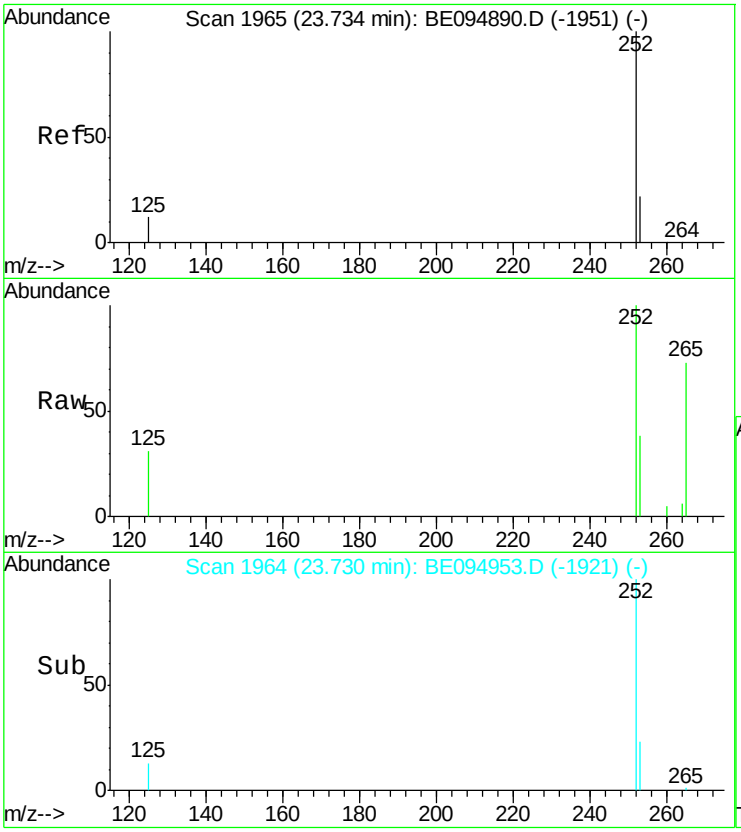




#34
Perylene-d12
Concen: 0.400 ng
RT: 24.56 min Scan# 2147
Delta R.T. -0.00 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

Tgt Ion:264 Resp: 16001

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.1 | 20.5 | 30.7 |
| 265 | 33.0 | 22.8 | 34.2 |



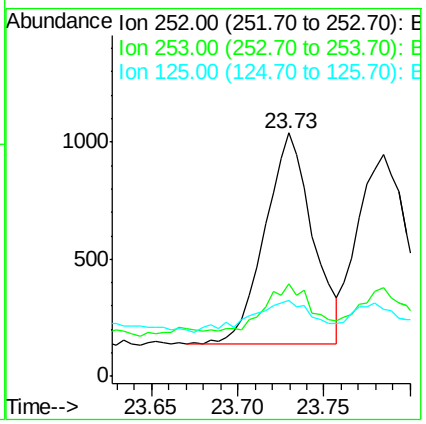


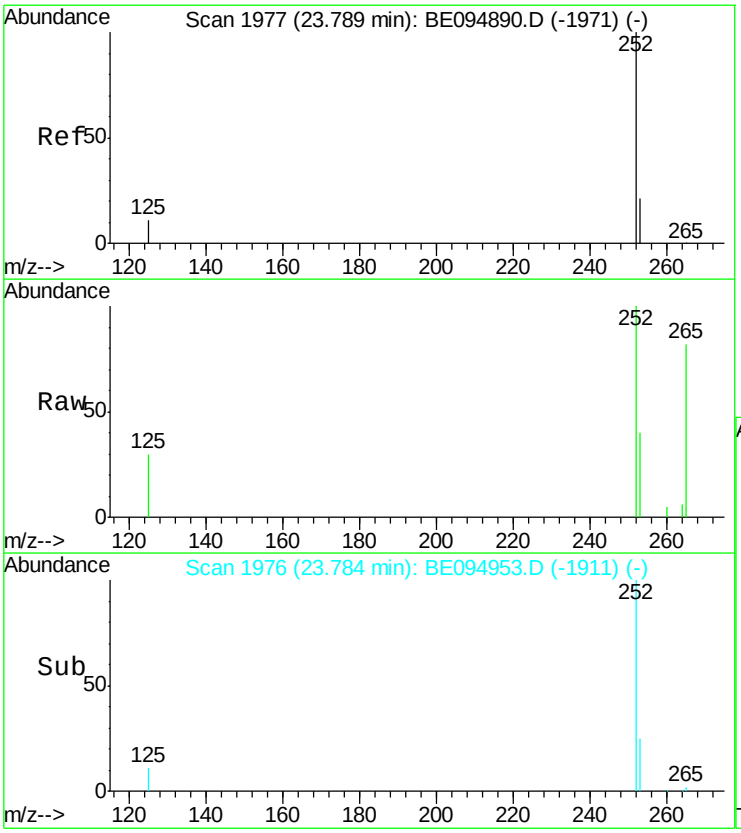

#35
Benzo(b)fluoranthene
Concen: 0.030 ng
RT: 23.73 min Scan# 1964
Delta R.T. -0.00 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

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

Tgt Ion:252 Resp: 1736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 38.3 | 48.0 | 72.0# |
| 125 | 31.4 | 56.0 | 84.0# |

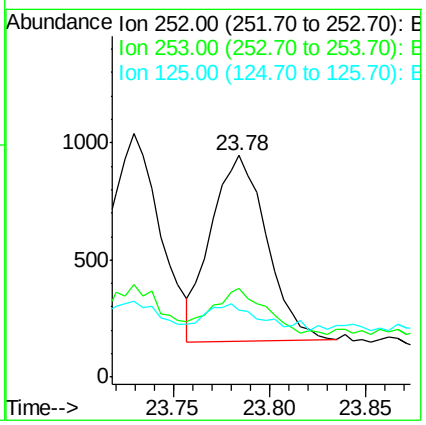


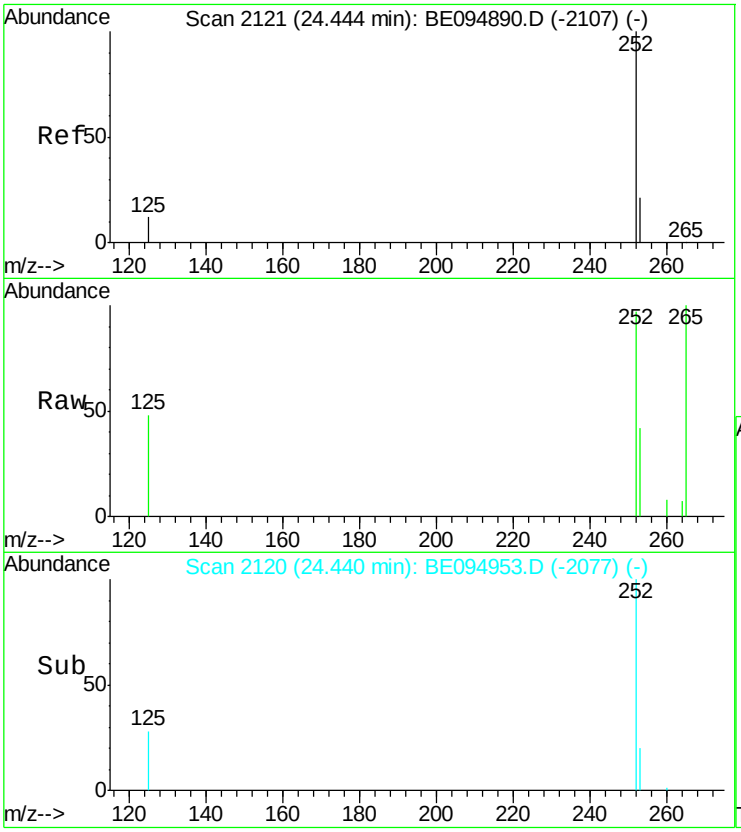




#36
Benzo(k)fluoranthene
Concen: 0.027 ng
RT: 23.78 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

Tgt Ion:252 Resp: 1592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 40.3 | 48.0 | 72.0# |
| 125 | 30.4 | 56.0 | 84.0# |



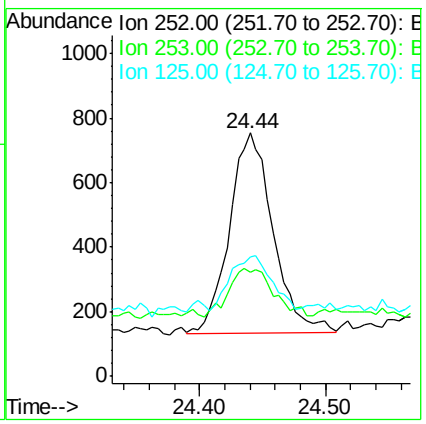


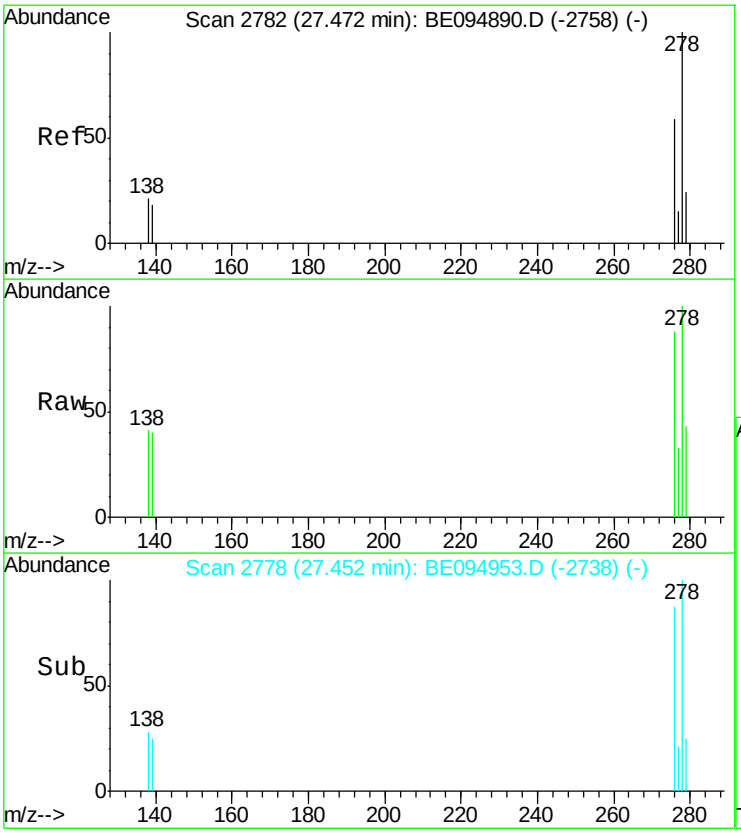

#37
Benzo(a)pyrene
Concen: 0.029 ng
RT: 24.44 min Scan# 2120
Delta R.T. -0.00 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

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

Tgt Ion:252 Resp: 1487

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 42.7 | 52.0 | 78.0# |
| 125 | 49.2 | 68.0 | 102.0# |

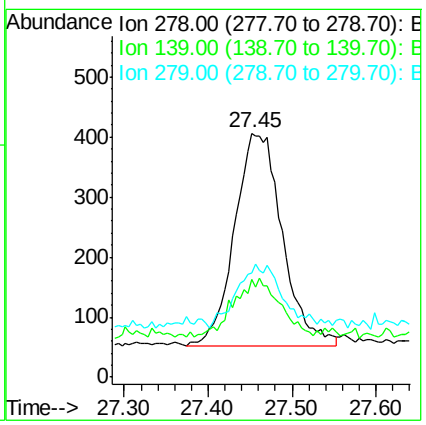


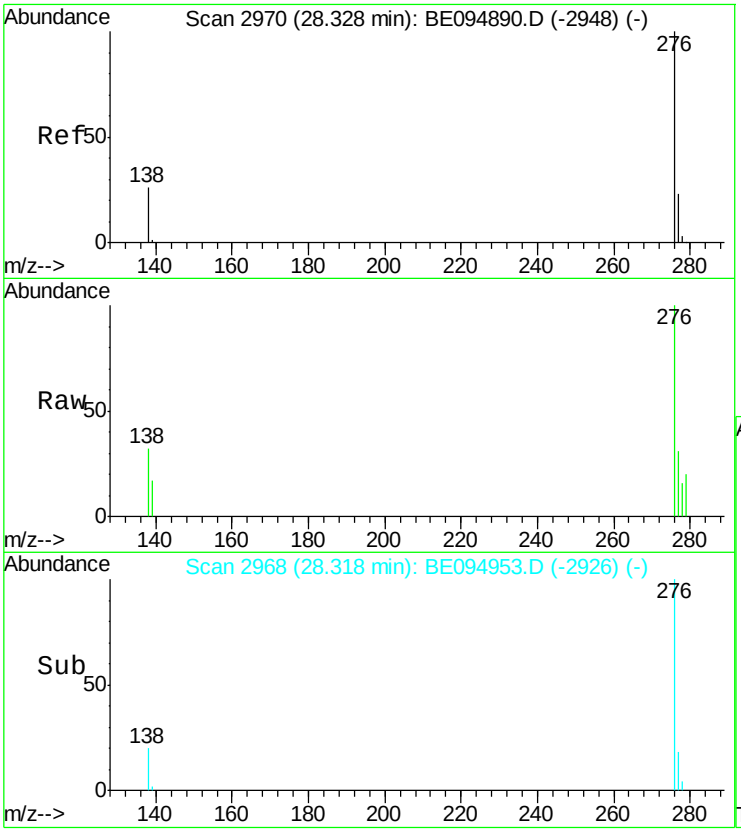




#38
Dibenzo(a,h)anthracene
Concen: 0.030 ng
RT: 27.45 min Scan# 2778
Delta R.T. -0.02 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

Tgt Ion:278 Resp: 1409

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 39.9 | 56.0 | 84.0# |
| 279 | 42.6 | 52.0 | 78.0# |






#39
Benzo(g,h,i)perylene
Concen: 0.032 ng
RT: 28.32 min Scan# 2968
Delta R.T. -0.01 min
Lab File: BE094953.D
Acq: 8 Dec 2017 17:47

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

Tgt Ion:276 Resp: 1502

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 31.5 | 52.0 | 78.0# |
| 138 | 32.0 | 44.0 | 66.0# |