Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051017\
Data File : BF095074.D
Acq On : 11 May 2017 00:54
Operator : SJ/MA
Sample : I2970-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** E2-U10-BASE

Quant Time: May 11 07:16:00 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.70 | 152 | 100027 | 20.00 | ng | | -0.03 |
| 21) Naphthalene-d8 | 9.72 | 136 | 405404 | 20.00 | ng | | -0.03 |
| 38) Acenaphthene-d10 | 12.55 | 164 | 187652 | 20.00 | ng | | -0.03 |
| 63) Phenanthrene-d10 | 14.95 | 188 | 316430 | 20.00 | ng | | -0.03 |
| 75) Chrysene-d12 | 18.62 | 240 | 227154 | 20.00 | ng | | -0.03 |
| 86) Perylene-d12 | 20.29 | 264 | 219488 | 20.00 | ng | | -0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.65 | 112 | 317774 | 52.97 | ng | | -0.02 |
| 7) Phenol-d6 | 7.25 | 99 | 389096 | 54.05 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 8.60 | 82 | 241721 | 37.60 | ng | | -0.04 |
| 41) 2,4,6-Tribromophenol | 13.85 | 330 | 76846 | 50.00 | ng | | -0.03 |
| 44) 2-Fluorobiphenyl | 11.50 | 172 | 502938 | 38.58 | ng | | -0.04 |
| 78) Terphenyl-d14 | 17.28 | 244 | 329316 | 31.93 | ng | | -0.04 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 8.60 | 70 | 29215 | 6.00 | ng | # | 79 |
| 31) Naphthalene | 9.76 | 128 | 54822 | 2.69 | ng | | 97 |
| 32) Benzoic acid | 9.70 | 122 | 107 | 5.11 | ng | # | 18 |
| 37) 2-Methylnaphthalene | 10.89 | 142 | 50999 | 3.81 | ng | | 92 |
| 49) Dimethylphthalate | 12.20 | 163 | 79135 | 5.14 | ng | | 99 |
| 55) 4-Nitrophenol | 12.91 | 139 | 6200 | 3.06 | ng | # | 32 |
| 69) Pentachlorophenol | 14.74 | 266 | 3292 | 7.83 | ng | | 93 |
| 70) Phenanthrene | 14.99 | 178 | 87291 | 4.80 | ng | | 100 |
| 71) Anthracene | 14.99 | 178 | 87291 | 4.70 | ng | | 100 |
| 74) Fluoranthene | 16.74 | 202 | 135705 | 7.28 | ng | | 98 |
| 76) Benzidine | 17.09 | 184 | 115 | 6.60 | ng | # | 62 |
| 77) Pyrene | 17.04 | 202 | 140578 | 8.27 | ng | | 99 |
| 80) Benzo(a)anthracene | 18.66 | 228 | 79794 | 6.04 | ng | | 98 |
| 82) Chrysene | 18.66 | 228 | 79794 | 6.24 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 21.59 | 276 | 55654 | 5.36 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 19.89 | 252 | 156824 | 11.56 | ng | | 96 |
| 88) Benzo(k)fluoranthene | 19.89 | 252 | 156824 | 11.99 | ng | | 97 |
| 89) Benzo(a)pyrene | 20.24 | 252 | 74579 | 5.96 | ng | | 97 |
| 91) Benzo(g,h,i)perylene | 21.97 | 276 | 55578 | 5.48 | ng | | 97 |

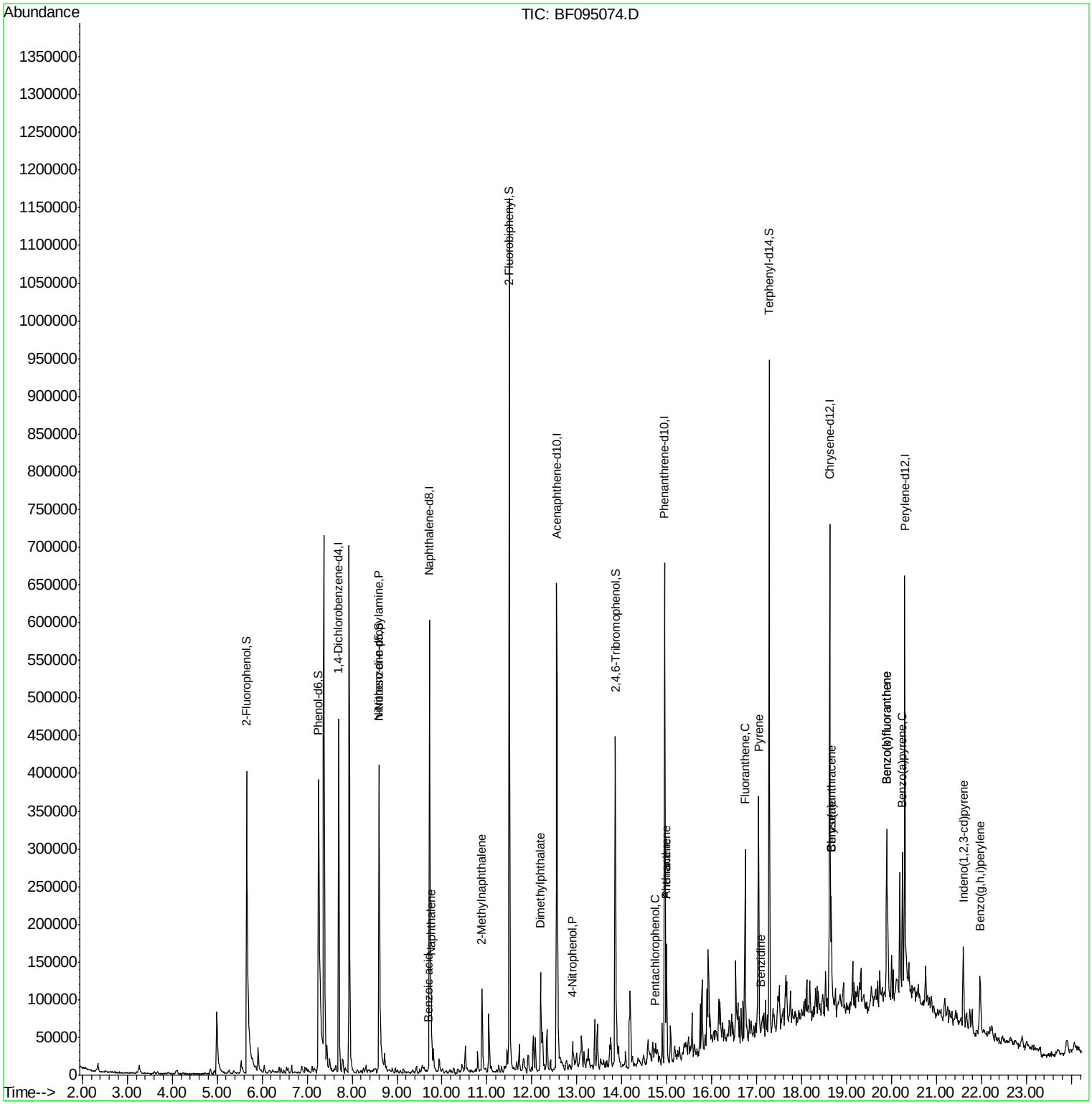
(#) = qualifier out of range (m) = manual integration (+) = signals summed

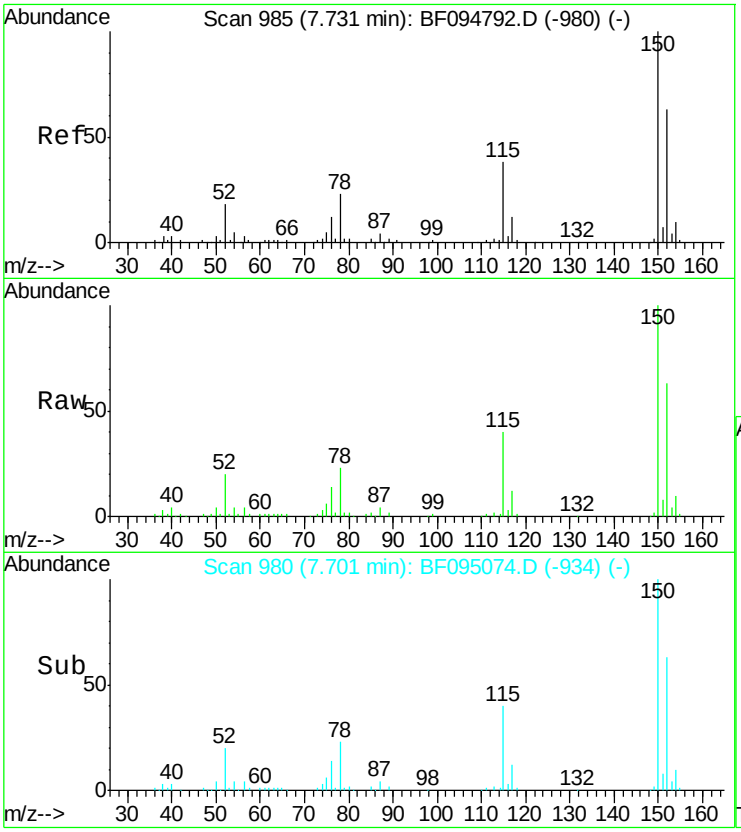
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051017\
Data File : BF095074.D
Acq On : 11 May 2017 00:54
Operator : SJ/MA
Sample : I2970-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
E2-U10-BASE

Quant Time: May 11 07:16:00 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 03 17:24:51 2017
Response via : Initial Calibration



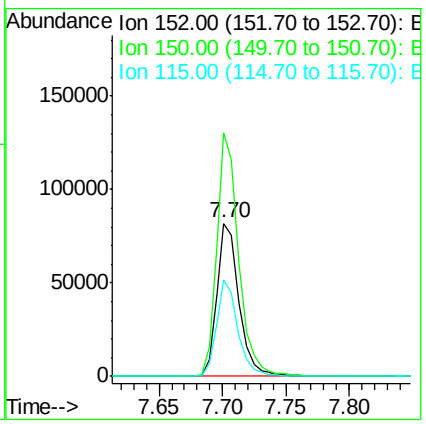


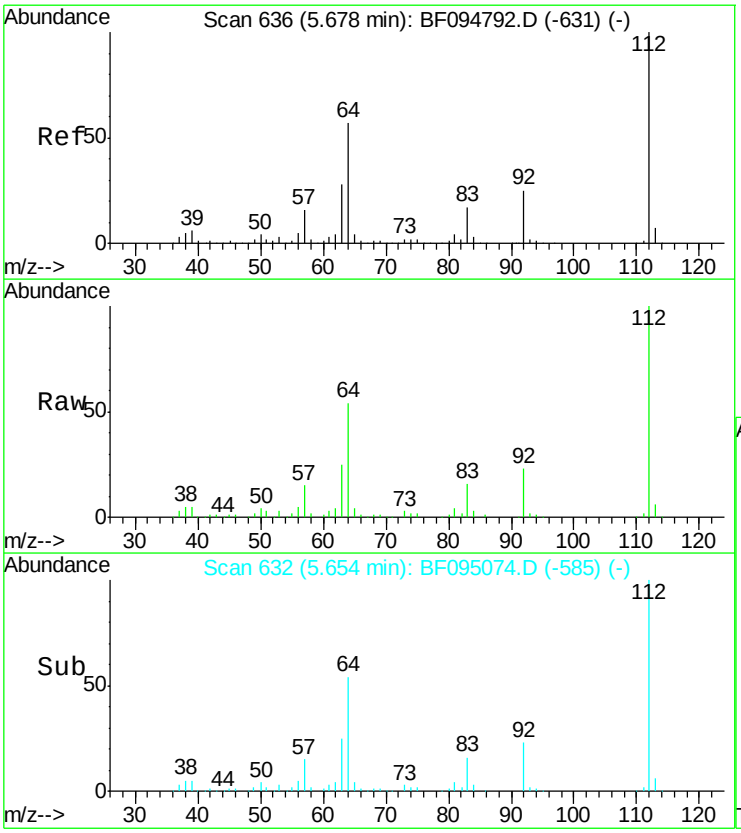

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.70 min Scan# 980
Delta R.T. -0.03 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

**Instrument :**
BNA_F
**ClientSampleId :**
E2-U10-BASE

Tgt Ion:152 Resp: 100027

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.8 | 126.2 | 189.2 |
| 115 | 63.2 | 52.2 | 78.2 |

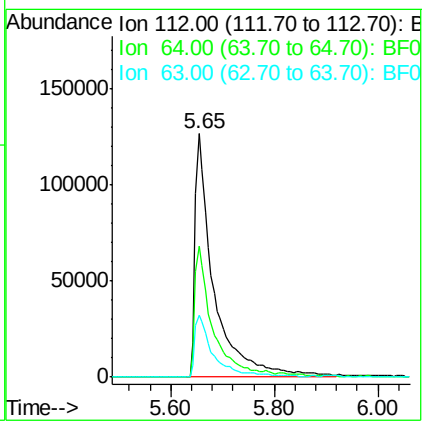


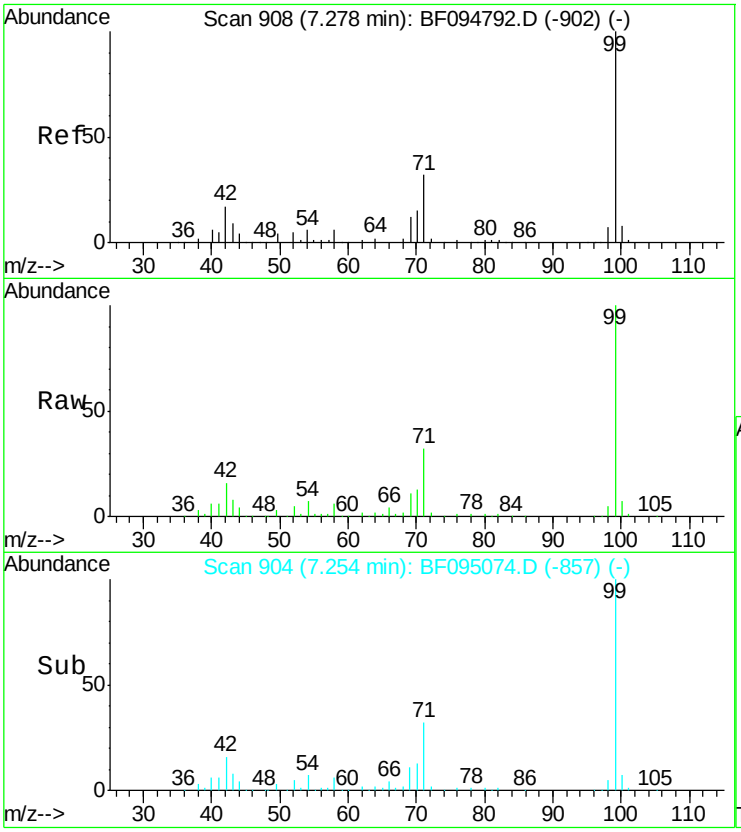




#5
2-Fluorophenol
Concen: 52.97 ng
RT: 5.65 min Scan# 632
Delta R.T. -0.02 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion:112 Resp: 317774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.0 | 46.0 | 69.0 |
| 63 | 25.4 | 23.4 | 35.0 |



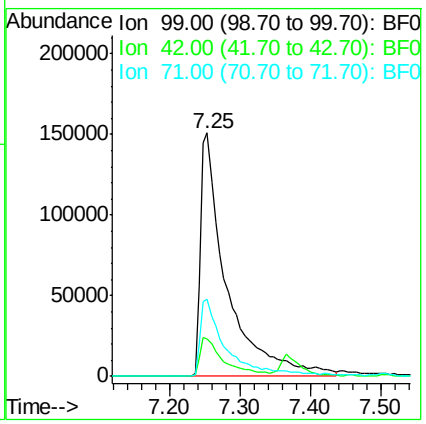


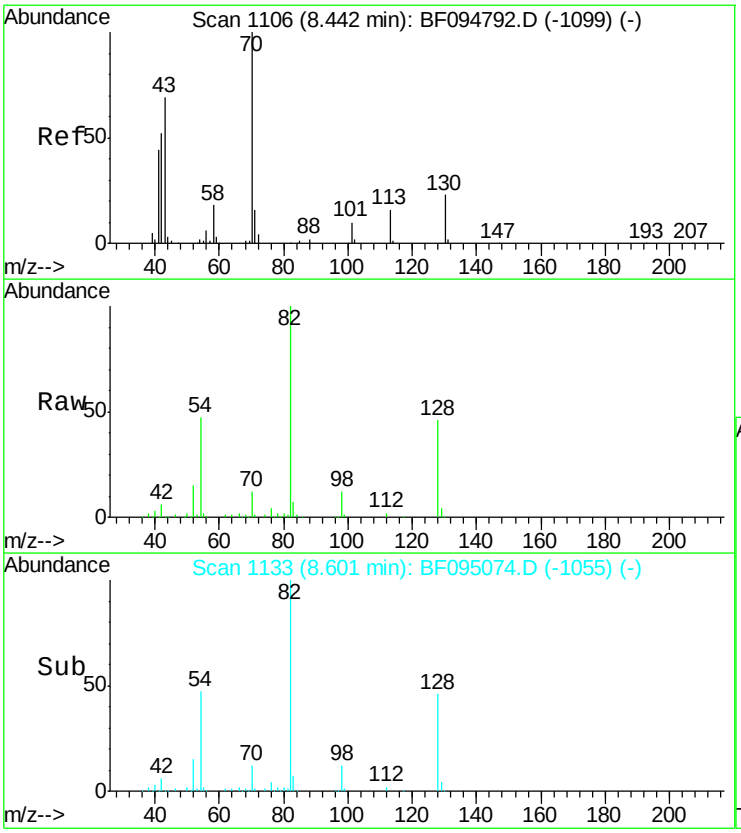

#7
Phenol-d6
Concen: 54.05 ng
RT: 7.25 min Scan# 904
Delta R.T. -0.02 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

**Instrument :**
BNA_F
**ClientSampleId :**
E2-U10-BASE

Tgt Ion: 99 Resp: 389096

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.7 | 13.5 | 20.3 |
| 71 | 31.8 | 24.5 | 36.7 |

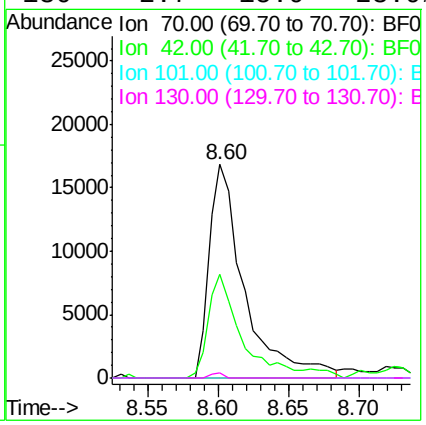


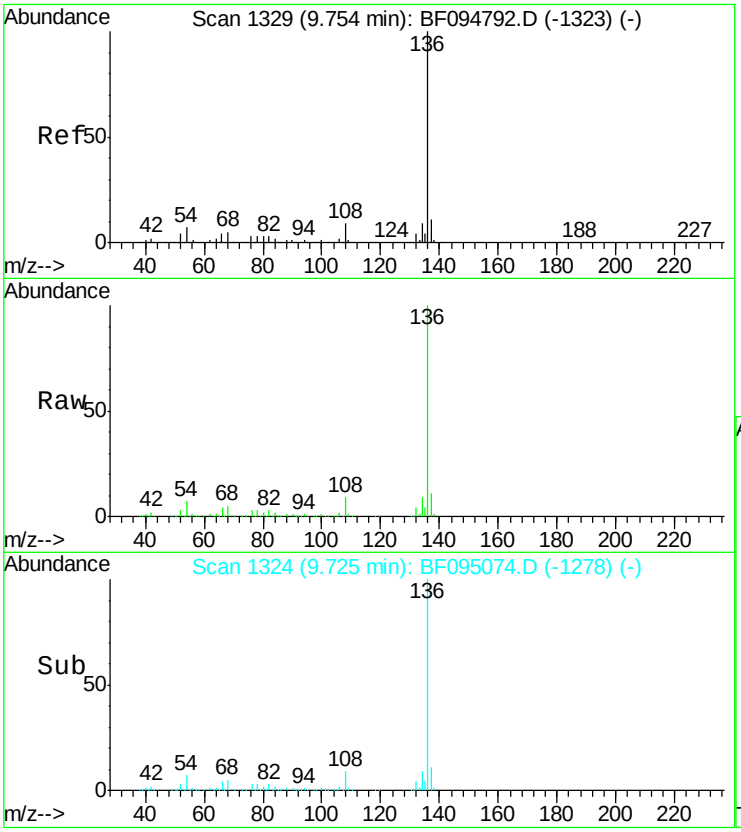




#19
n-Nitroso-di-n-propylamine
Concen: 6.00 ng
RT: 8.60 min Scan# 1133
Delta R.T. 0.16 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion: 70 Resp: 29215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 48.4 | 47.2 | 70.8 |
| 101 | 0.0 | 7.2 | 10.8# |
| 130 | 2.7 | 15.9 | 23.9# |



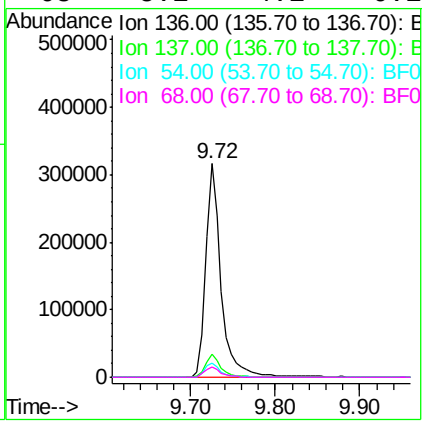


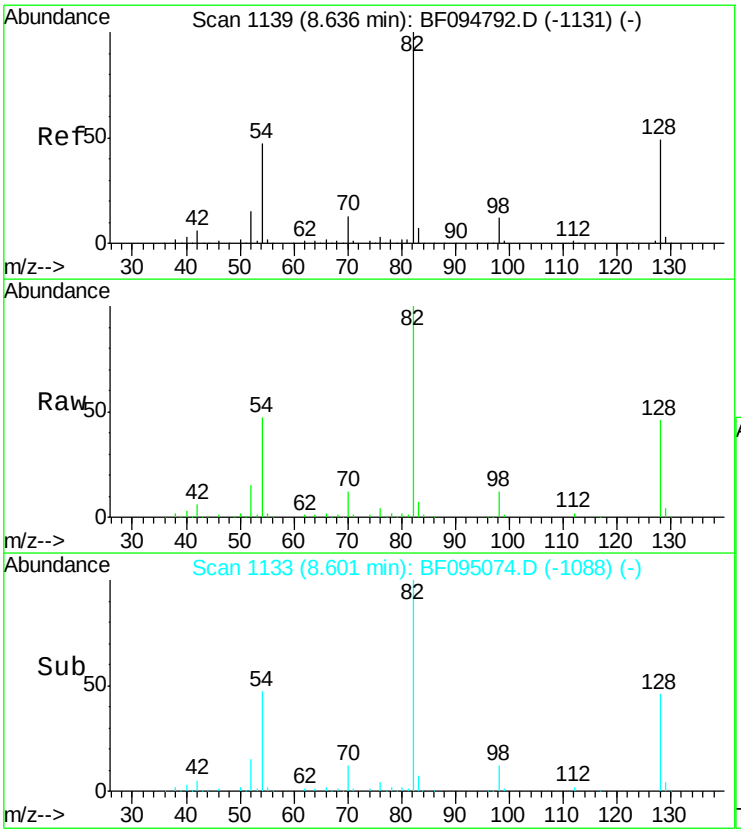

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.72 min Scan# 1324
Delta R.T. -0.03 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

**Instrument :**
BNA_F
**ClientSampleId :**
E2-U10-BASE

Tgt Ion:136 Resp: 405404

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.6 | 8.5 | 12.7 |
| 54 | 6.8 | 4.9 | 7.3 |
| 68 | 5.1 | 4.1 | 6.1 |

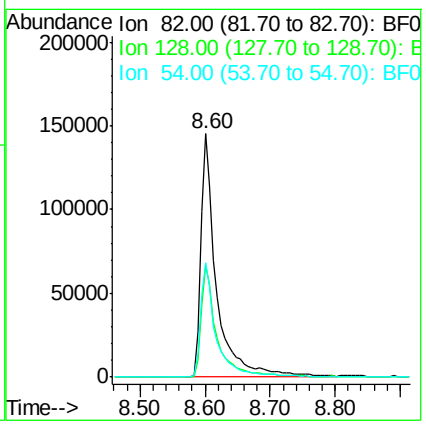


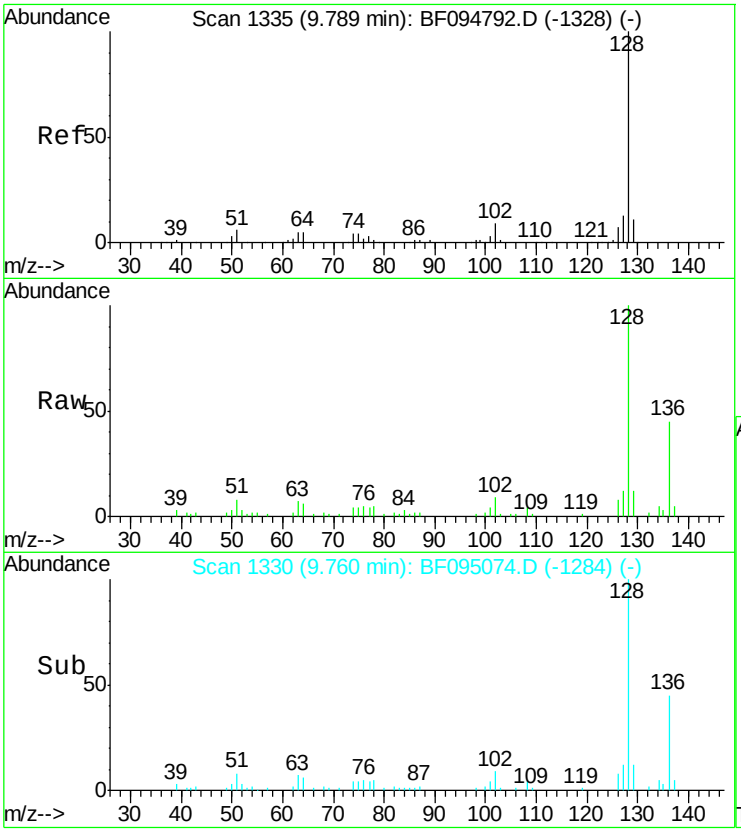




#23
Nitrobenzene-d5
Concen: 37.60 ng
RT: 8.60 min Scan# 1133
Delta R.T. -0.04 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion: 82 Resp: 241721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.8 | 34.0 | 51.0 |
| 54 | 46.7 | 42.2 | 63.2 |



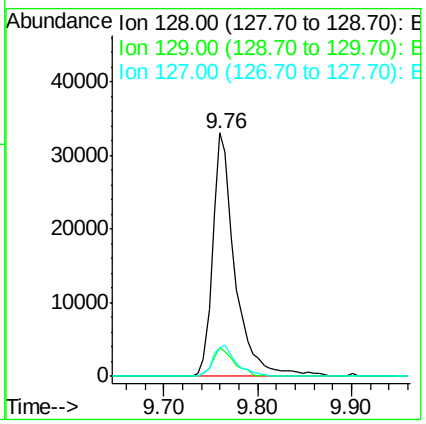


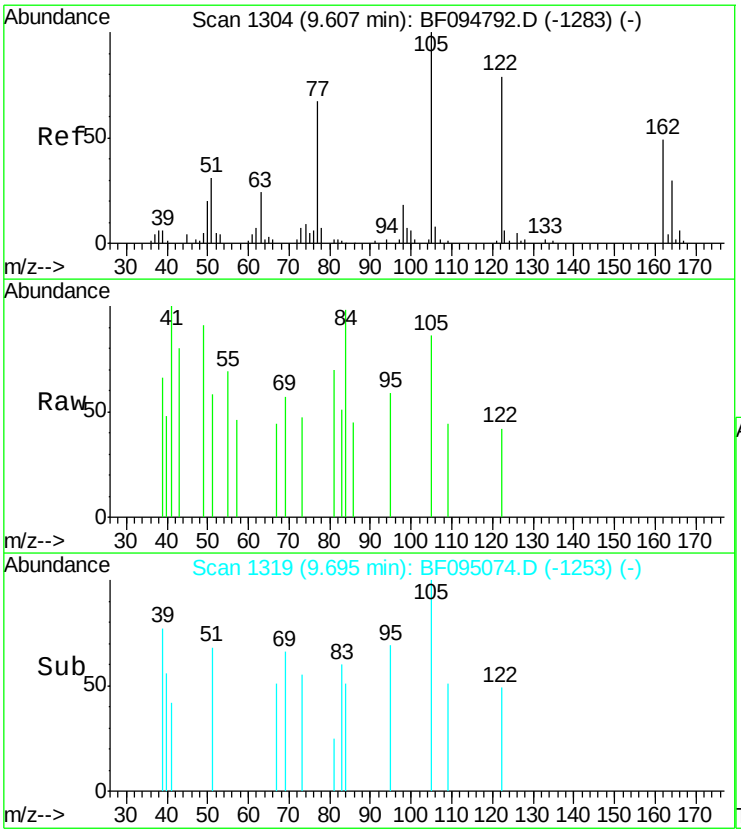

#31
Naphthalene
Concen: 2.69 ng
RT: 9.76 min Scan# 1330
Delta R.T. -0.03 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

**Instrument :**
BNA_F
**ClientSampleId :**
E2-U10-BASE

Tgt Ion:128 Resp: 54822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.9 | 9.0 | 13.6 |
| 127 | 11.7 | 10.8 | 16.2 |

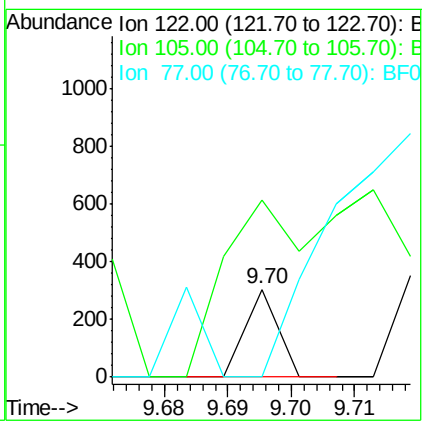


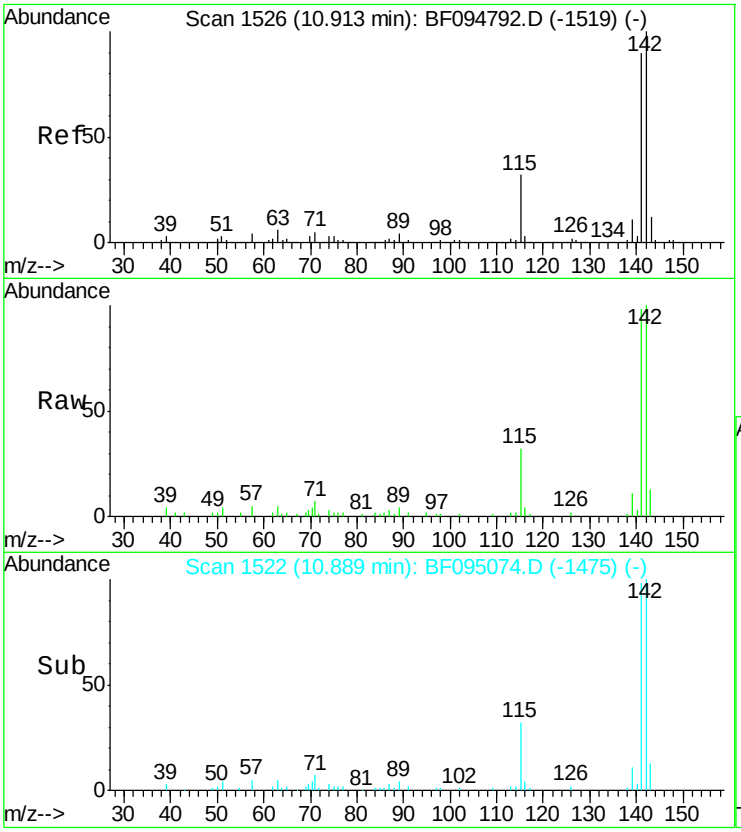




#32
Benzoic acid
Concen: 5.11 ng
RT: 9.70 min Scan# 1319
Delta R.T. 0.09 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion:122 Resp: 107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 202.6 | 103.3 | 143.3# |
| 77 | 0.0 | 73.7 | 113.7# |



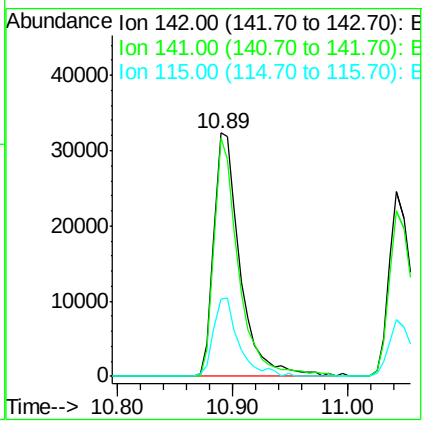


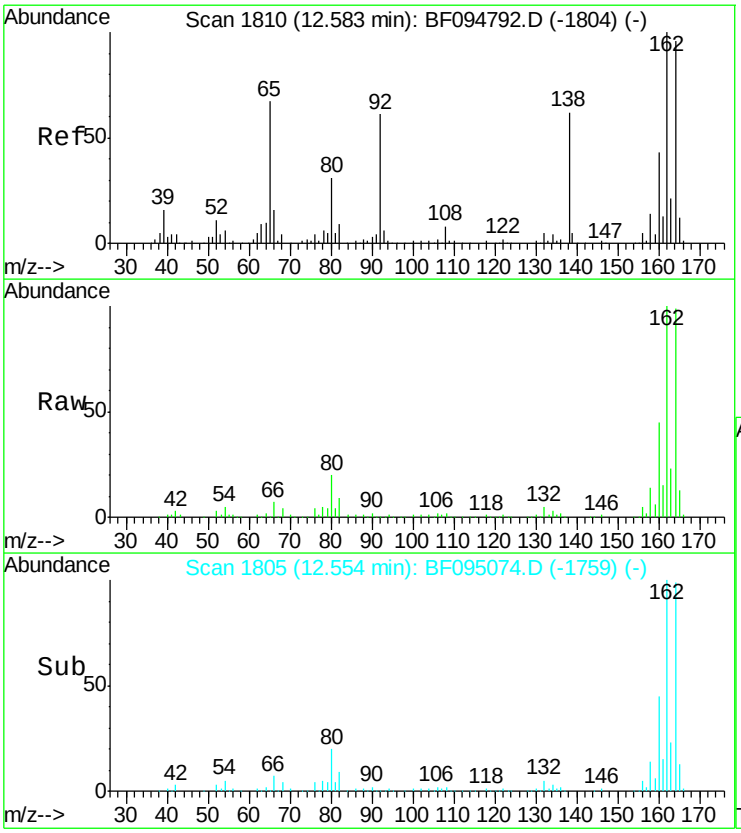

#37
2-Methylnaphthalene
Concen: 3.81 ng
RT: 10.89 min Scan# 1522
Delta R.T. -0.02 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

**Instrument :**
BNA_F
**ClientSampleId :**
E2-U10-BASE

Tgt Ion:142 Resp: 50999

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 98.0 | 71.3 | 106.9 |
| 115 | 31.9 | 27.1 | 40.7 |

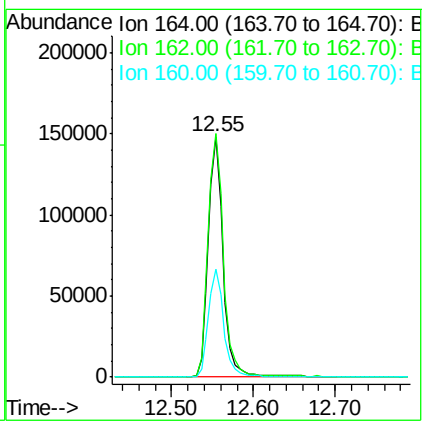


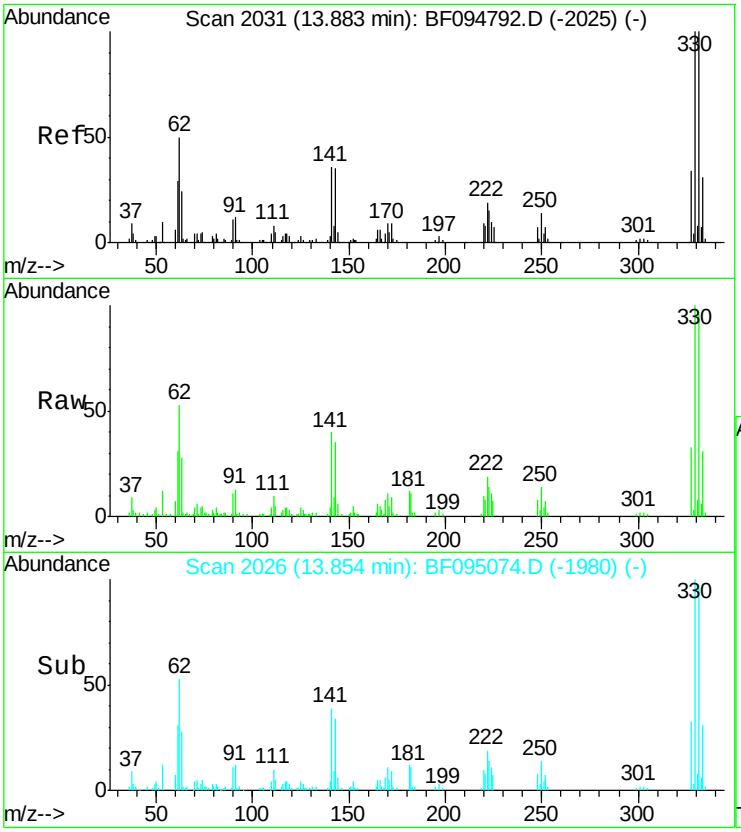




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.55 min Scan# 1805
Delta R.T. -0.03 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion:164 Resp: 187652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.5 | 82.6 | 123.8 |
| 160 | 45.2 | 36.2 | 54.2 |



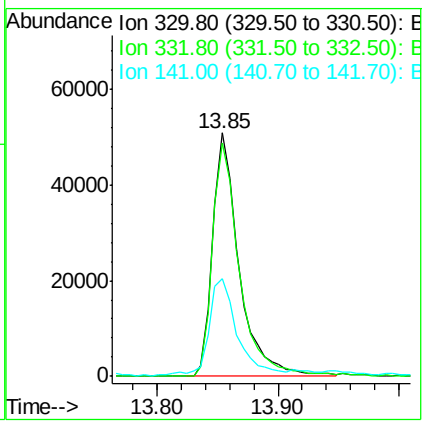


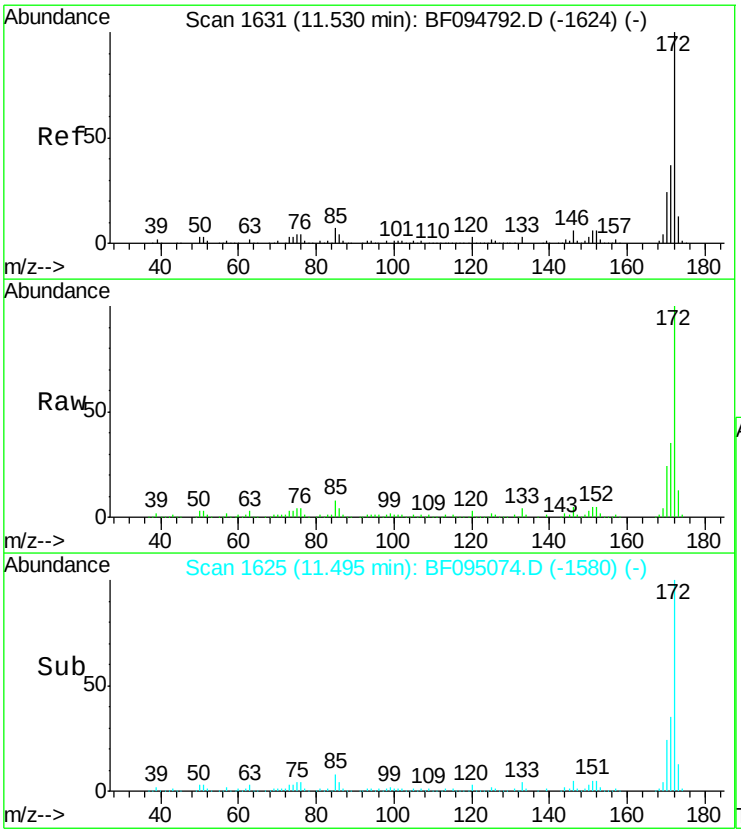

#41
2,4,6-Tribromophenol
Concen: 50.00 ng
RT: 13.85 min Scan# 2026
Delta R.T. -0.03 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

**Instrument :**
BNA_F
**ClientSampleId :**
E2-U10-BASE

Tgt Ion:330 Resp: 76846

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 98.1 | 76.6 | 115.0 |
| 141 | 43.9 | 31.4 | 47.2 |

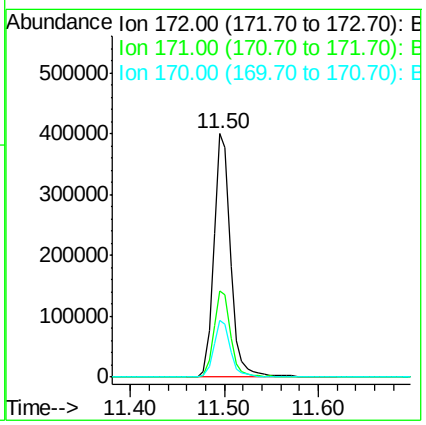


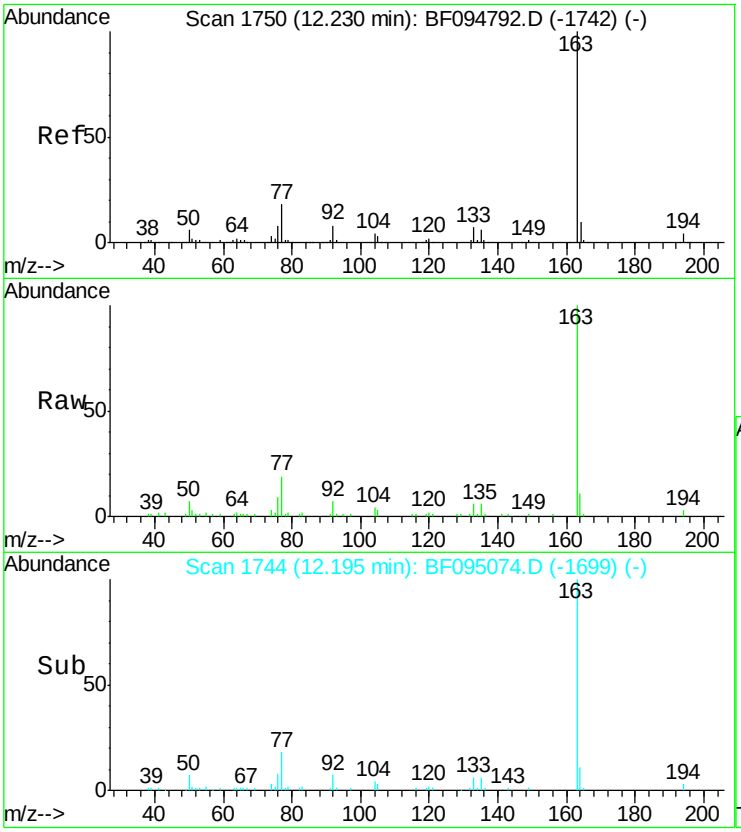




#44
2-Fluorobiphenyl
Concen: 38.58 ng
RT: 11.50 min Scan# 1625
Delta R.T. -0.04 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion:172 Resp: 502938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.4 | 29.6 | 44.4 |
| 170 | 23.5 | 19.8 | 29.8 |



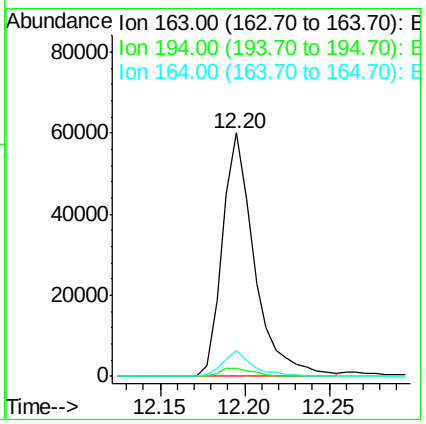


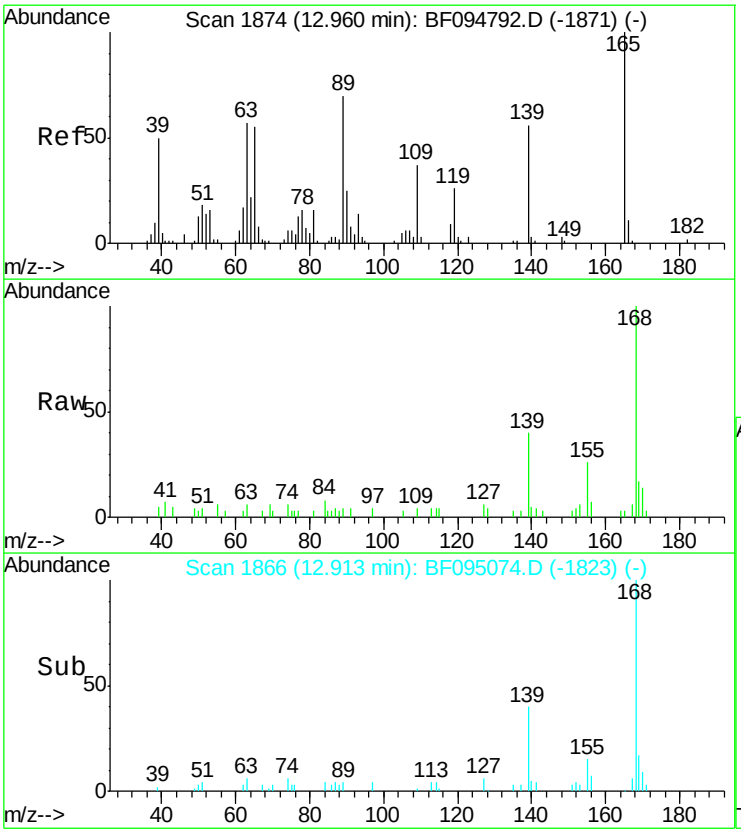

#49
Dimethylphthalate
Concen: 5.14 ng
RT: 12.20 min Scan# 1744
Delta R.T. -0.04 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

**Instrument :**
BNA_F
**ClientSampleId :**
E2-U10-BASE

Tgt Ion:163 Resp: 79135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.5 | 2.6 | 4.0 |
| 164 | 10.9 | 8.4 | 12.6 |

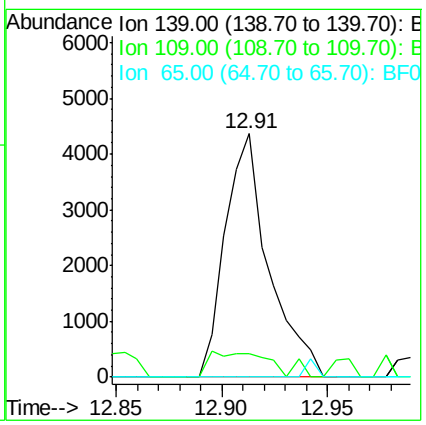


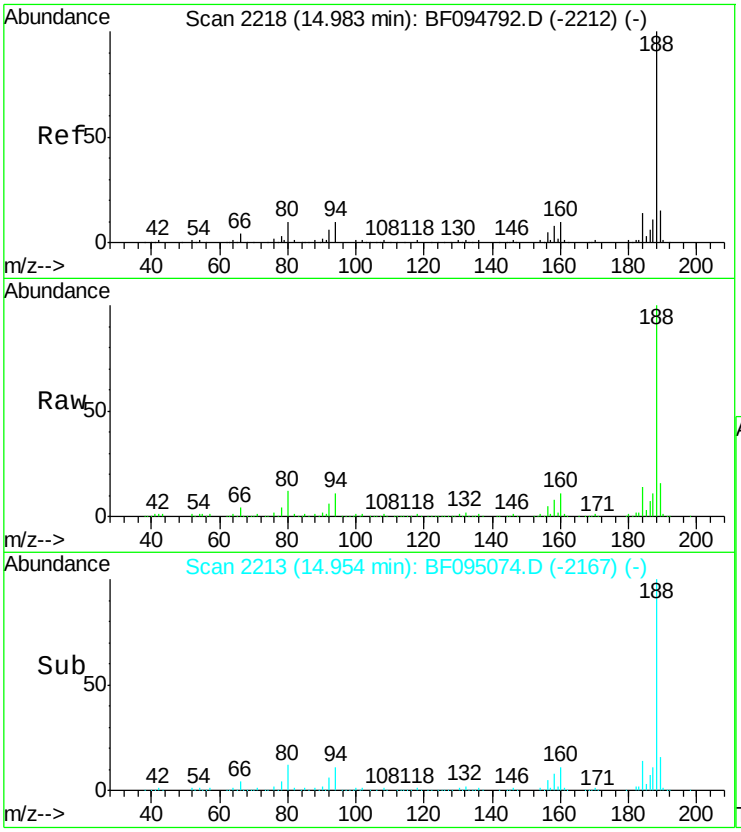




#55
4-Nitrophenol
Concen: 3.06 ng
RT: 12.91 min Scan# 1866
Delta R.T. -0.05 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion:139 Resp: 6200

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 9.8 | 34.1 | 74.1# |
| 65 | 0.0 | 31.4 | 71.4# |



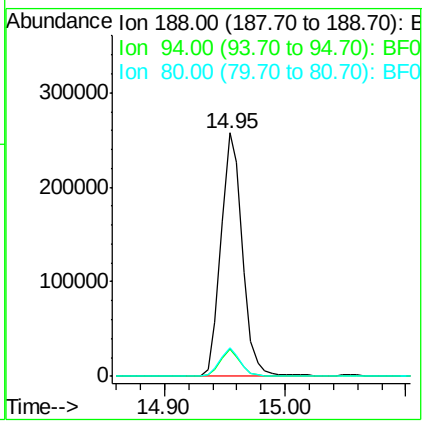


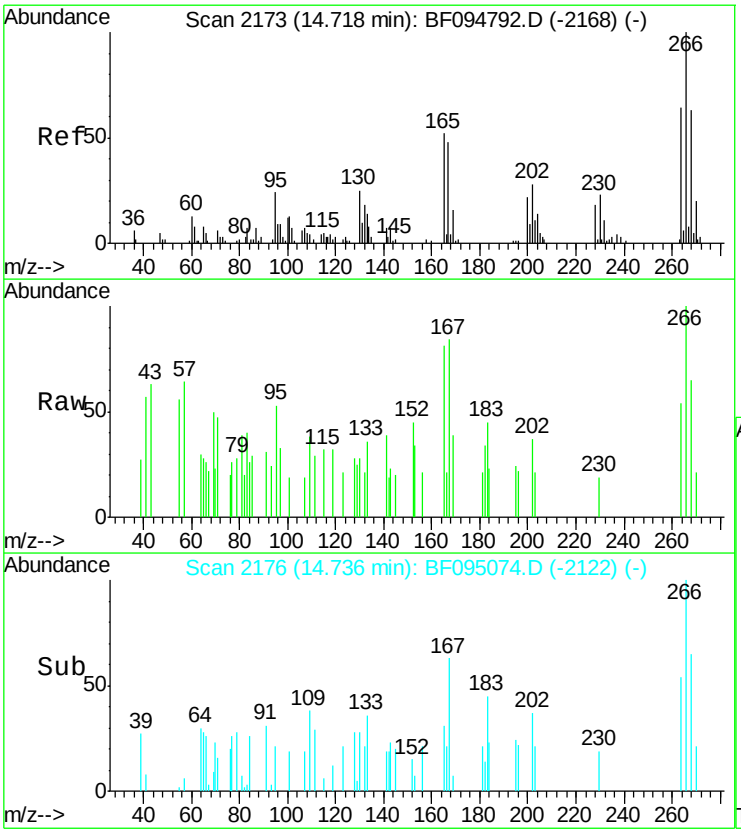

#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.95 min Scan# 2213
Delta R.T. -0.03 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

**Instrument :**
BNA_F
**ClientSampleId :**
E2-U10-BASE

Tgt Ion:188 Resp: 316430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 11.1 | 9.4 | 14.2 |
| 80 | 11.8 | 10.2 | 15.2 |

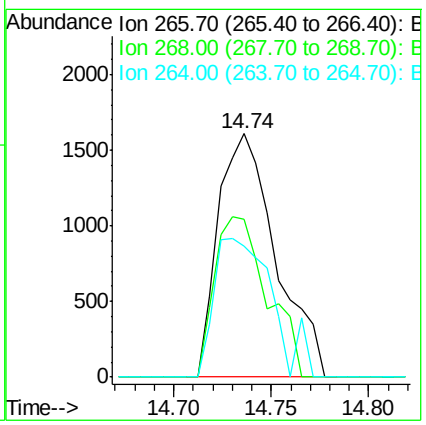


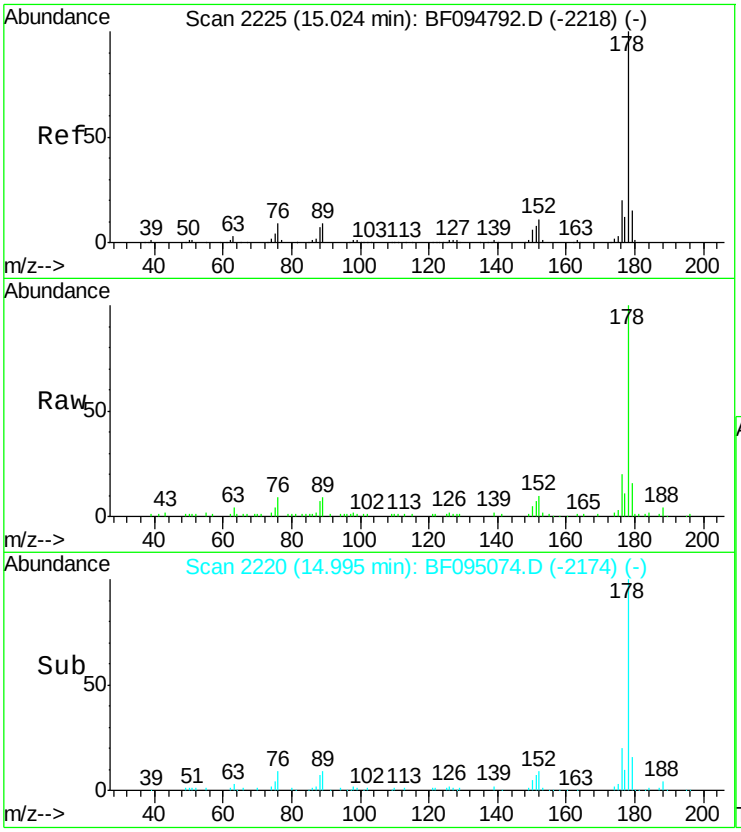




#69
Pentachlorophenol
Concen: 7.83 ng
RT: 14.74 min Scan# 2176
Delta R.T. 0.02 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion:266 Resp: 3292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 64.7 | 51.1 | 76.7 |
| 264 | 53.8 | 51.7 | 77.5 |



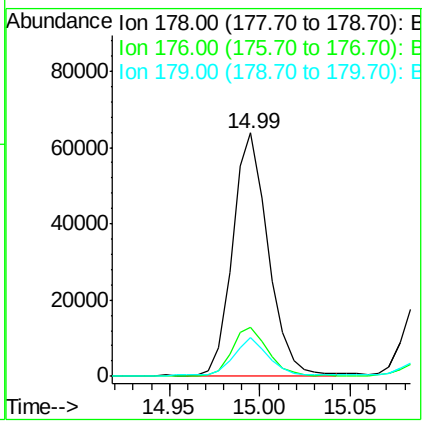


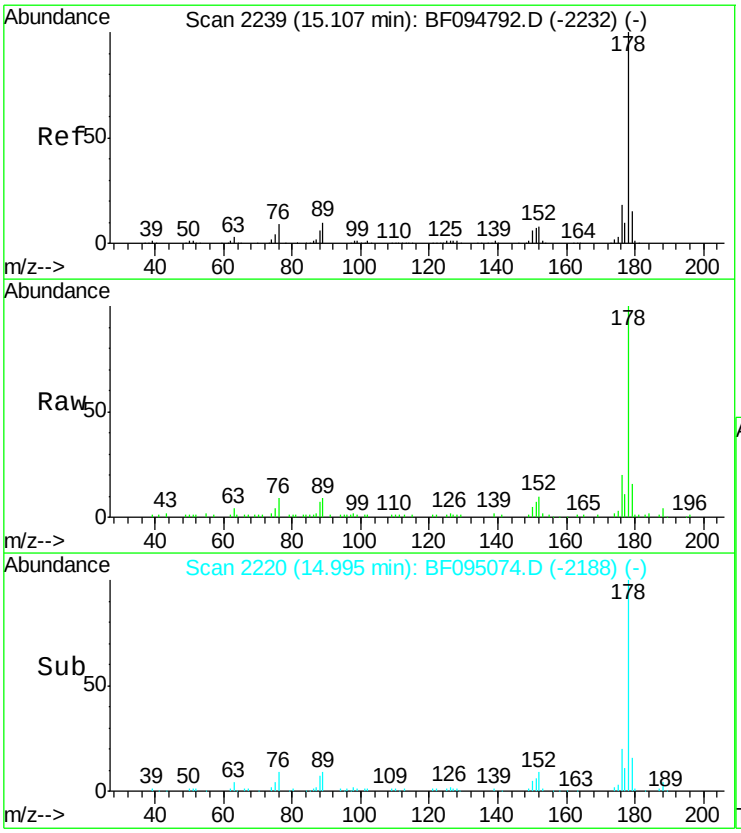

#70
Phenanthrene
Concen: 4.80 ng
RT: 14.99 min Scan# 2220
Delta R.T. -0.03 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

**Instrument :**
BNA_F
**ClientSampleId :**
E2-U10-BASE

Tgt Ion:178 Resp: 87291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.1 | 16.2 | 24.4 |
| 179 | 16.0 | 12.6 | 19.0 |

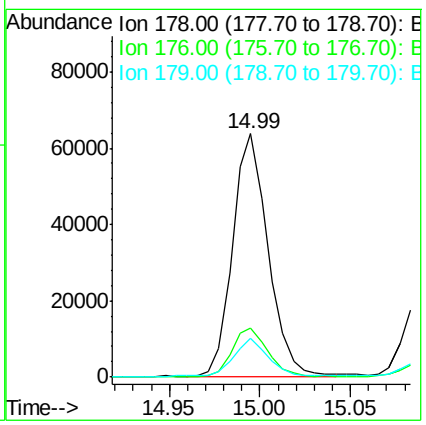


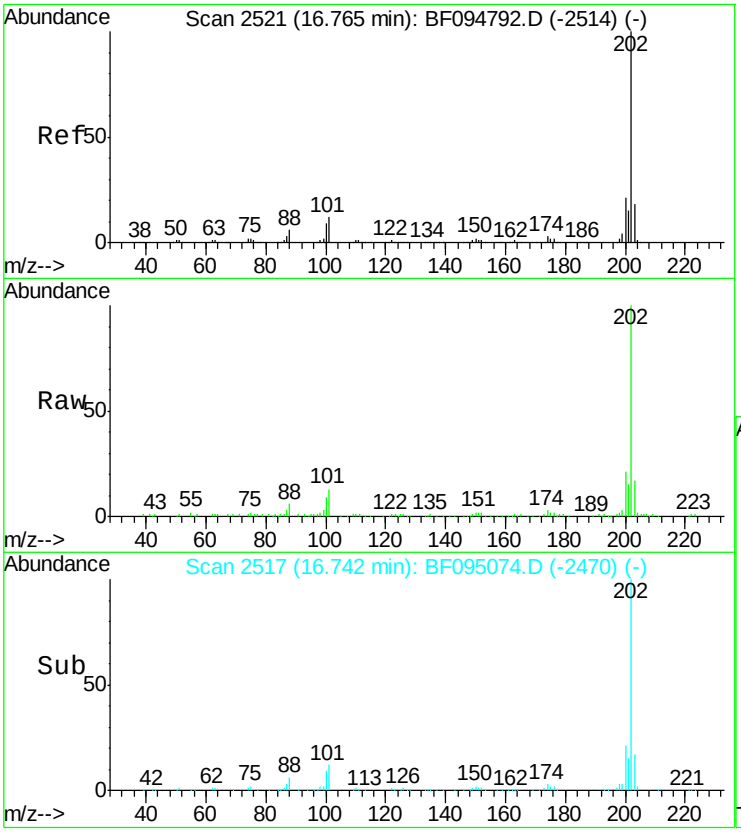




#71
Anthracene
Concen: 4.70 ng
RT: 14.99 min Scan# 2220
Delta R.T. -0.11 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion:178 Resp: 87291

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.1 | 15.8 | 23.8 |
| 179 | 16.0 | 12.7 | 19.1 |



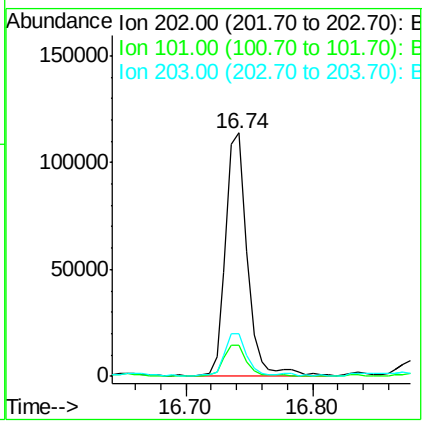


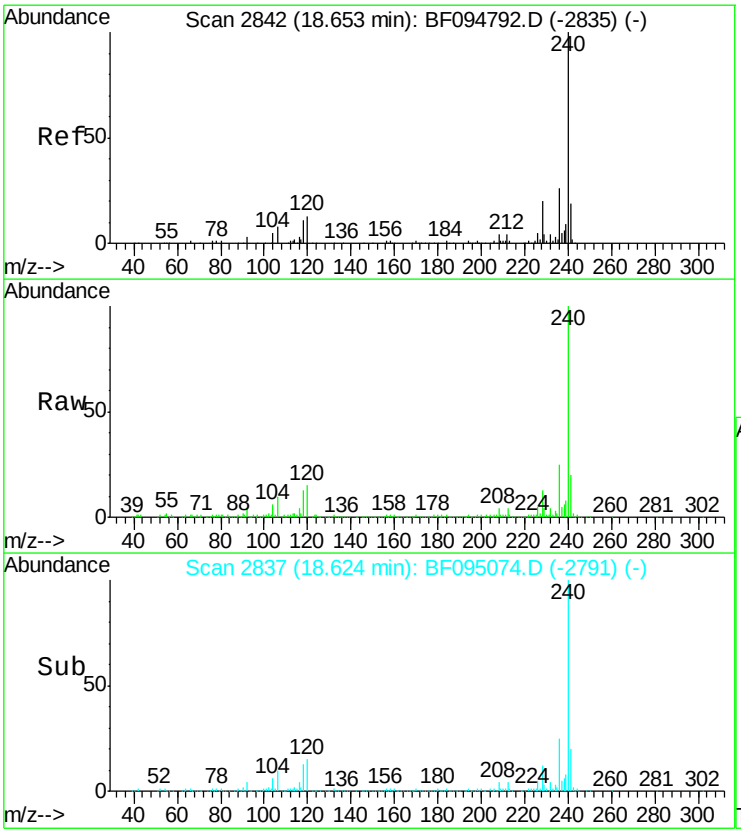

#74
Fluoranthene
Concen: 7.28 ng
RT: 16.74 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

**Instrument :**
BNA_F
**ClientSampleId :**
E2-U10-BASE

Tgt Ion:202 Resp: 135705

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.7 | 0.0 | 33.2 |
| 203 | 17.3 | 0.0 | 38.1 |

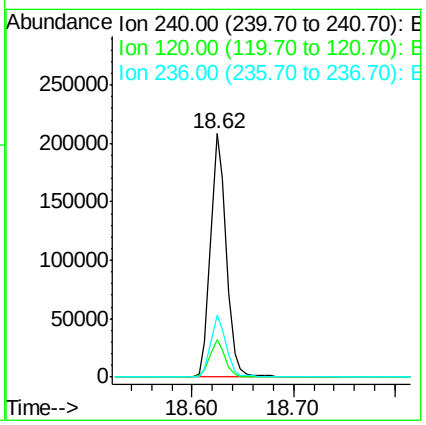


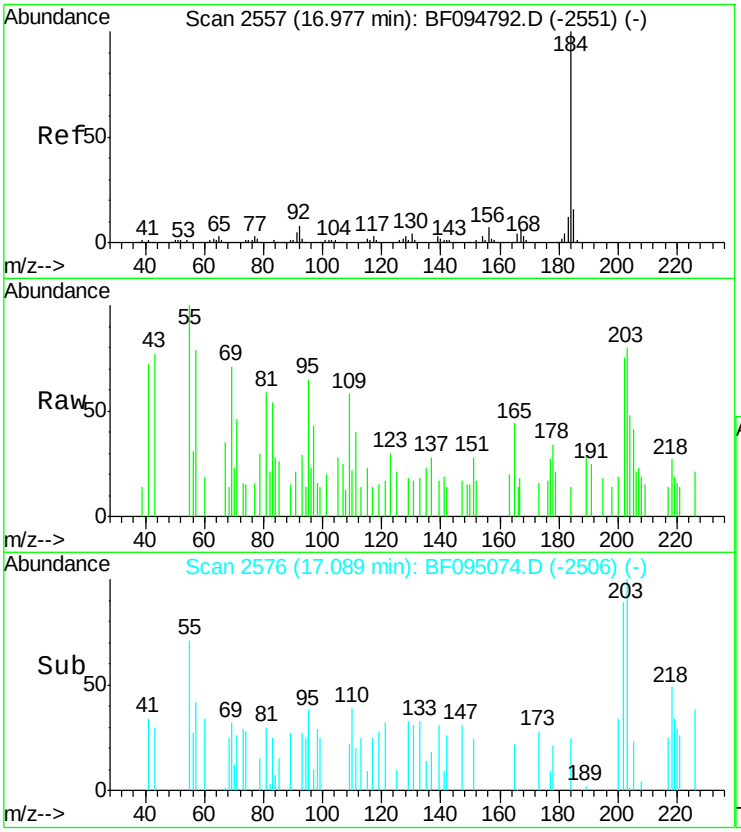




#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.62 min Scan# 2837
Delta R.T. -0.03 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion:240 Resp: 227154

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 15.2 | 5.8 | 8.8# |
| 236 | 25.5 | 20.5 | 30.7 |



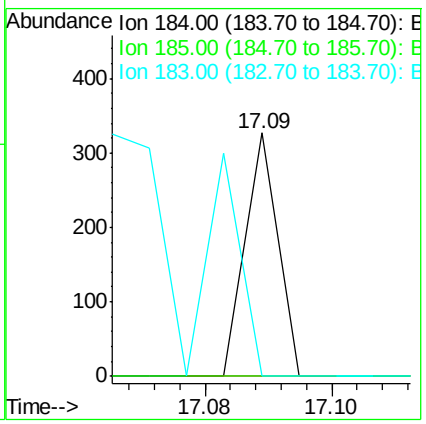


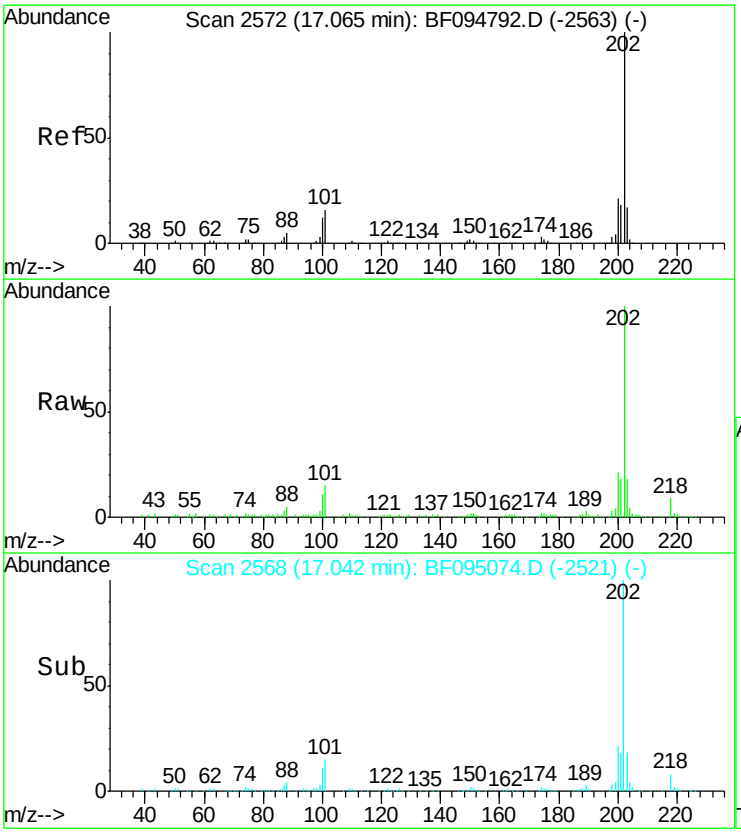

#76
Benzidine
Concen: 6.60 ng
RT: 17.09 min Scan# 2576
Delta R.T. 0.11 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

**Instrument :**
BNA_F
**ClientSampleId :**
E2-U10-BASE

Tgt Ion:184 Resp: 115

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 0.0 | 15.5 | 23.3# |
| 183 | 0.0 | 9.8 | 14.6# |

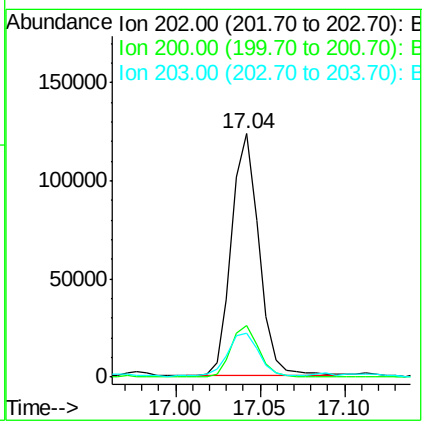


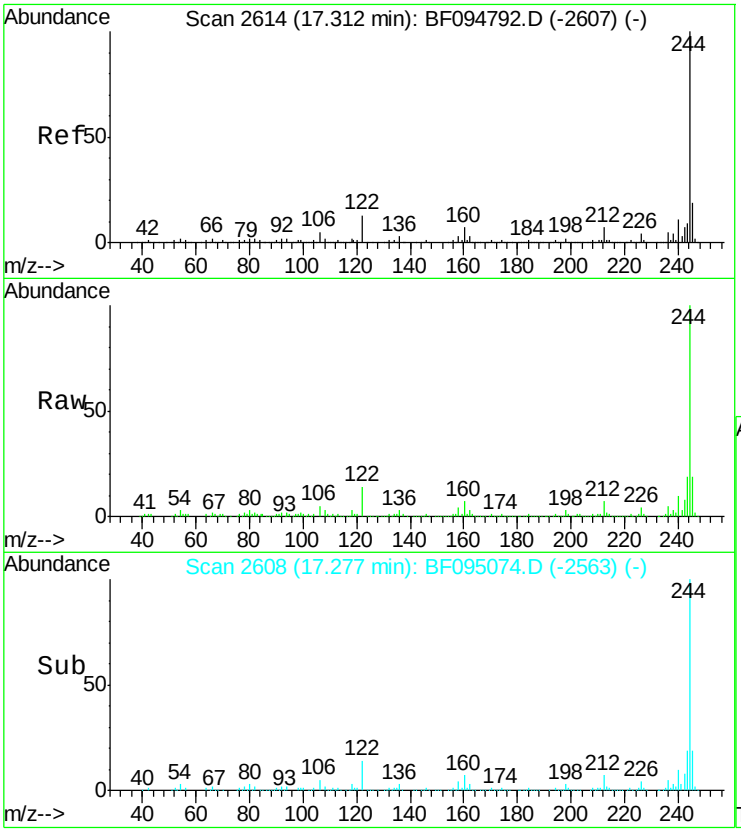




#77
Pyrene
Concen: 8.27 ng
RT: 17.04 min Scan# 2568
Delta R.T. -0.02 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion:202 Resp: 140578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 17.6 | 26.4 |
| 203 | 18.0 | 14.4 | 21.6 |



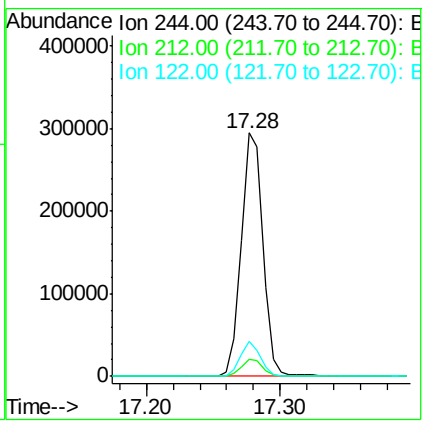


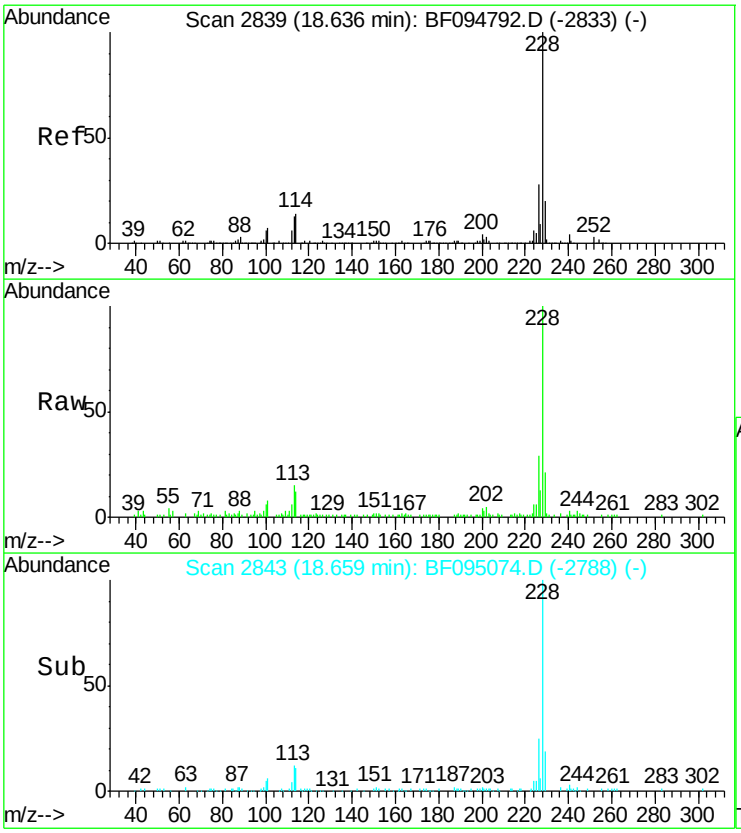

#78
Terphenyl-d14
Concen: 31.93 ng
RT: 17.28 min Scan# 2608
Delta R.T. -0.04 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

**Instrument :**
BNA_F
**ClientSampleId :**
E2-U10-BASE

Tgt Ion:244 Resp: 329316

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 6.0 | 9.0 |
| 122 | 14.2 | 10.3 | 15.5 |

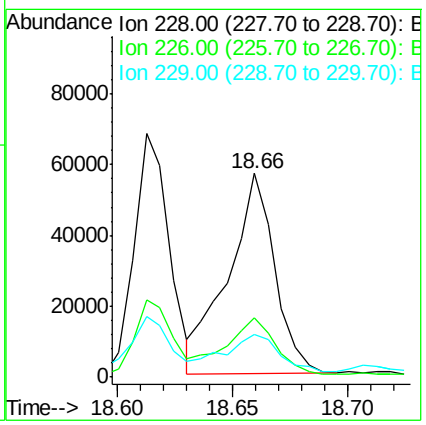


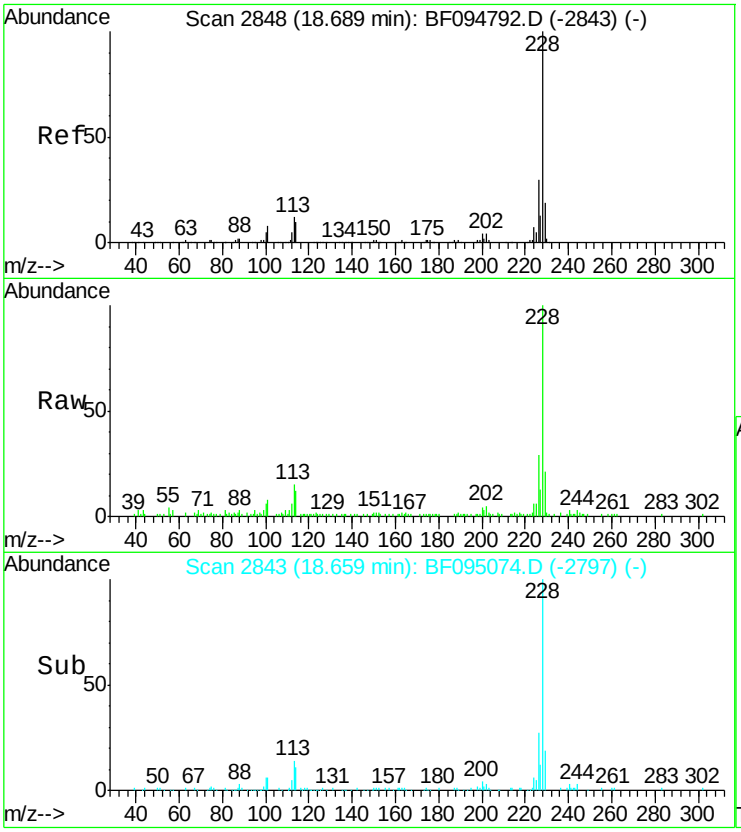




#80
Benzo(a)anthracene
Concen: 6.04 ng
RT: 18.66 min Scan# 2843
Delta R.T. 0.02 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion:228 Resp: 79794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.2 | 22.6 | 33.8 |
| 229 | 21.0 | 16.3 | 24.5 |



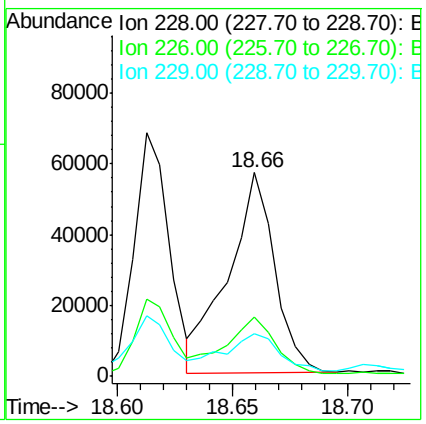


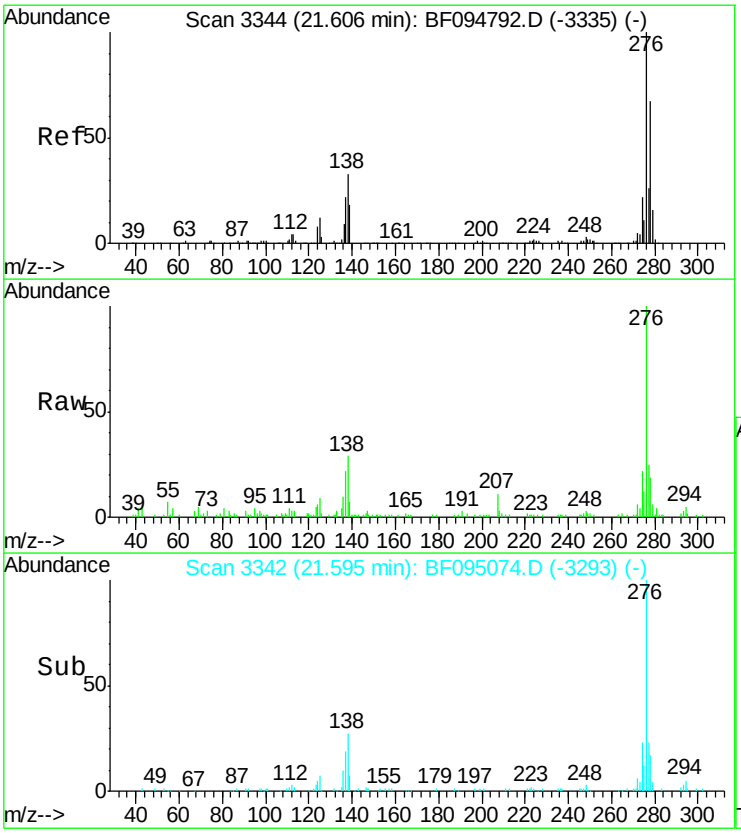

#82
Chrysene
Concen: 6.24 ng
RT: 18.66 min Scan# 2843
Delta R.T. -0.03 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

**Instrument :**
BNA_F
**ClientSampleId :**
E2-U10-BASE

Tgt Ion:228 Resp: 79794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.2 | 24.9 | 37.3 |
| 229 | 21.0 | 15.8 | 23.6 |

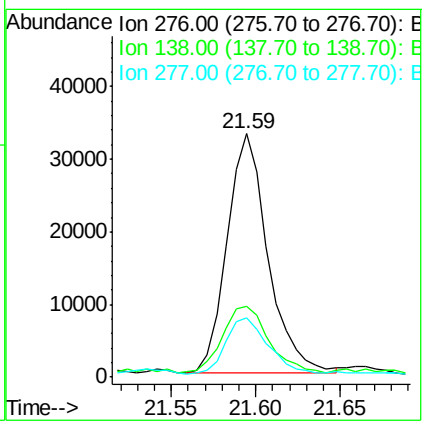


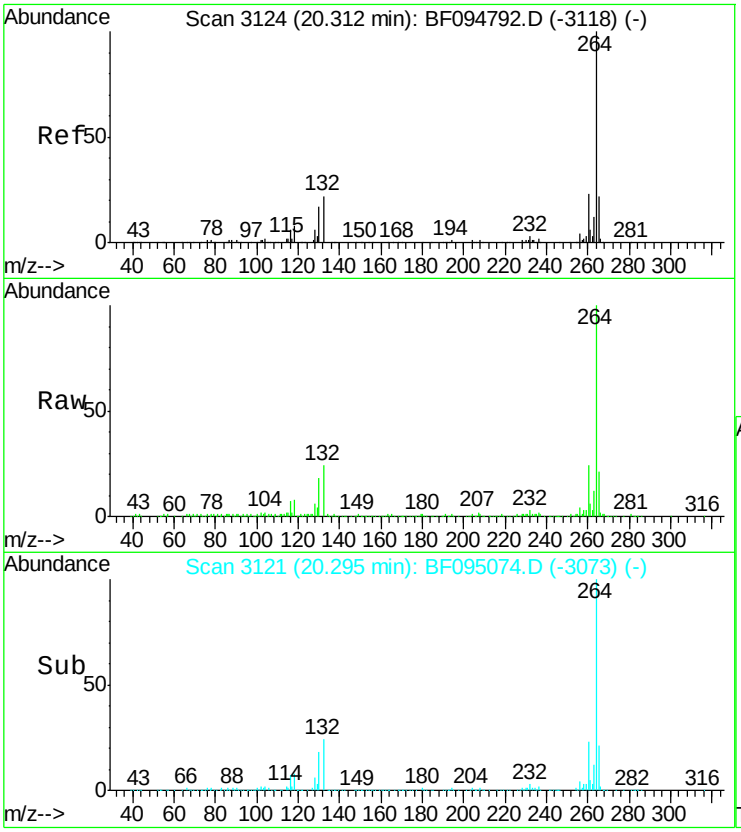




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.36 ng
RT: 21.59 min Scan# 3342
Delta R.T. -0.01 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion:276 Resp: 55654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 33.3 | 27.8 | 41.6 |
| 277 | 24.7 | 20.2 | 30.4 |



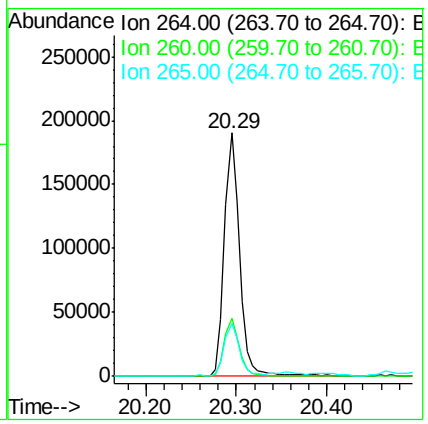


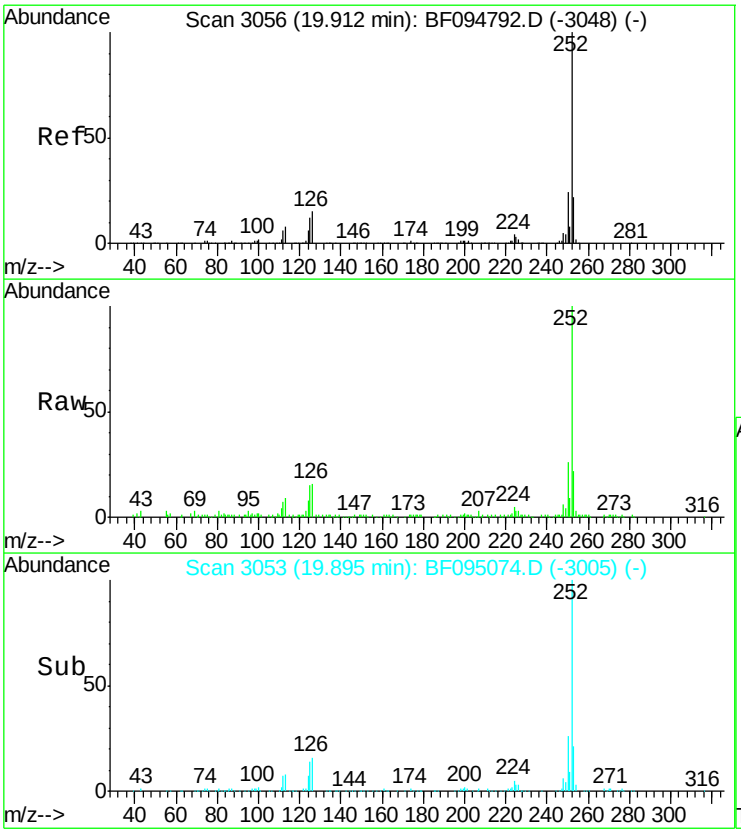

#86
Perylene-d12
Concen: 20.00 ng
RT: 20.29 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

**Instrument :**
BNA_F
**ClientSampleId :**
E2-U10-BASE

Tgt Ion:264 Resp: 219488

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 19.5 | 29.3 |
| 265 | 21.5 | 17.2 | 25.8 |

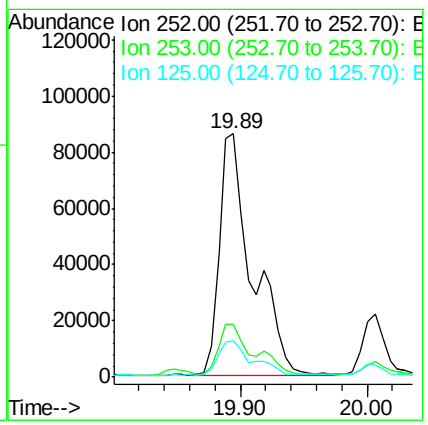


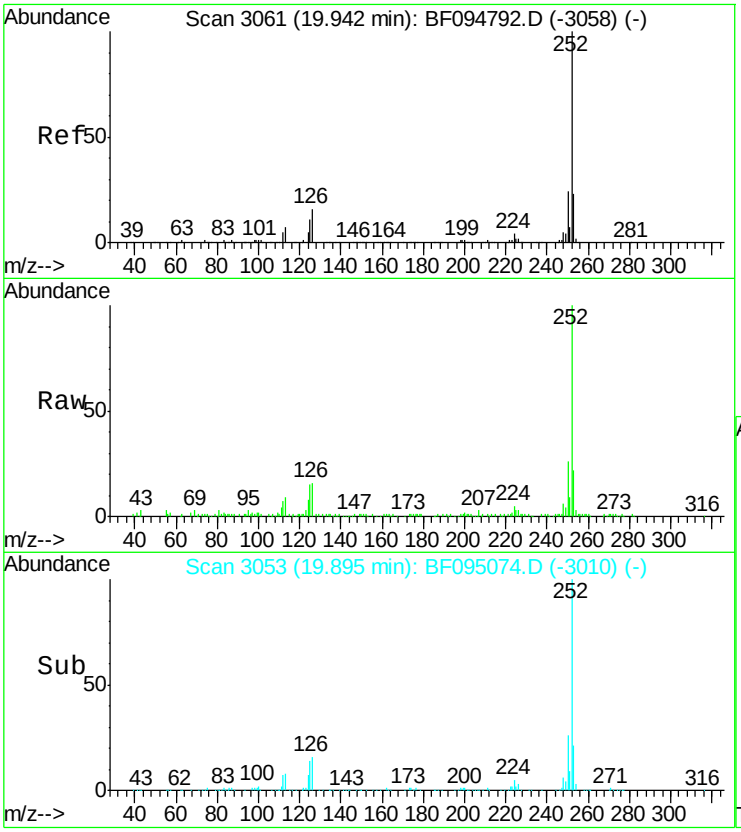




#87
Benzo(b)fluoranthene
Concen: 11.56 ng
RT: 19.89 min Scan# 3053
Delta R.T. -0.02 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion:252 Resp: 156824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 18.1 | 27.1 |
| 125 | 14.7 | 9.8 | 14.8 |



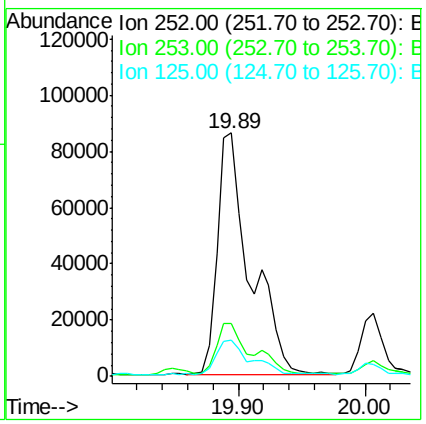


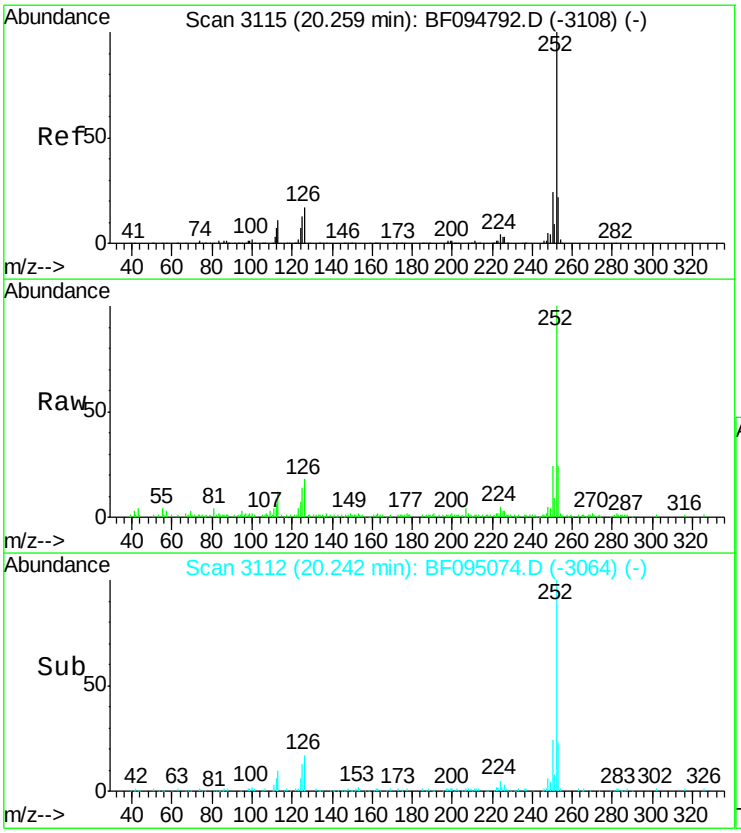

#88
Benzo(k)fluoranthene
Concen: 11.99 ng
RT: 19.89 min Scan# 3053
Delta R.T. -0.05 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

**Instrument :**
BNA_F
**ClientSampleId :**
E2-U10-BASE

Tgt Ion:252 Resp: 156824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.6 | 18.4 | 27.6 |
| 125 | 14.7 | 13.1 | 19.7 |

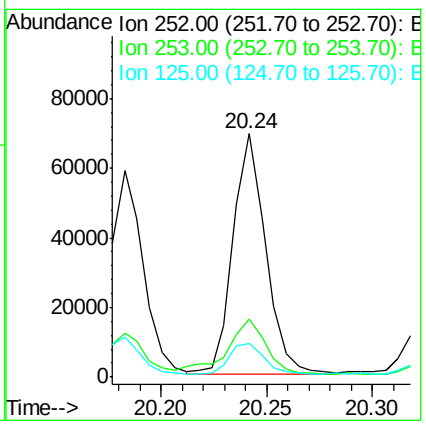


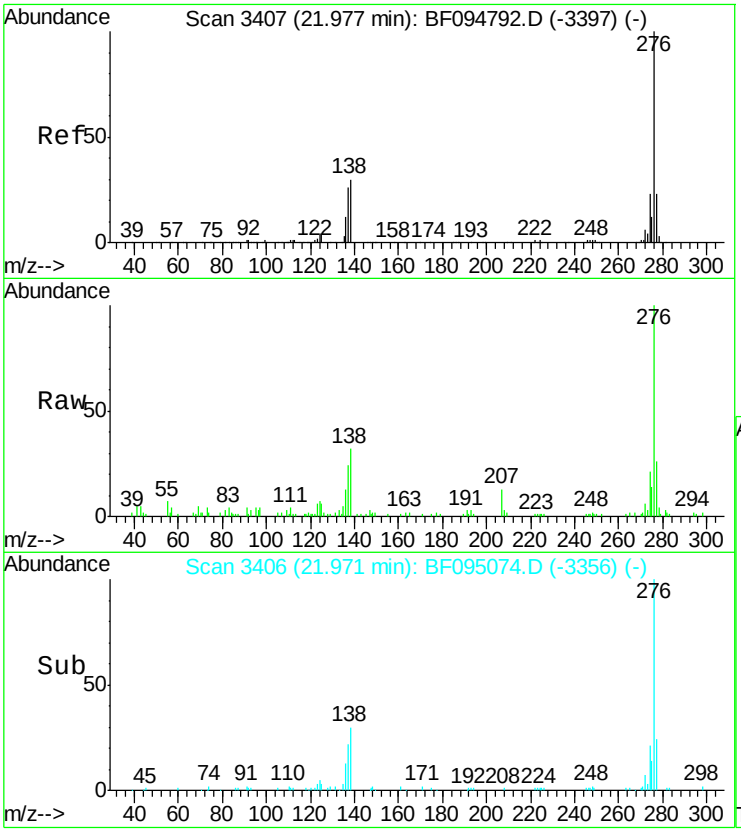




#89
Benzo(a)pyrene
Concen: 5.96 ng
RT: 20.24 min Scan# 3112
Delta R.T. -0.02 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

Tgt Ion:252 Resp: 74579

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 24.1 | 17.5 | 26.3 |
| 125 | 13.8 | 11.0 | 16.4 |






#91
Benzo(g,h,i)perylene
Concen: 5.48 ng
RT: 21.97 min Scan# 3406
Delta R.T. -0.01 min
Lab File: BF095074.D
Acq: 11 May 2017 00:54

**Instrument :**
BNA_F
**ClientSampleId :**
E2-U10-BASE

Tgt Ion:276 Resp: 55578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.9 | 18.6 | 28.0 |
| 138 | 32.1 | 25.4 | 38.0 |