Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101517\
Data File : BF099533.D
Acq On : 16 Oct 2017 1:25
Operator : SJ/JU
Sample : I5637-01DL 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :**

Quant Time: Oct 16 02:32:06 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 11 16:25:21 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 95729 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.13 | 136 | 350658 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.88 | 164 | 126894 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.37 | 188 | 186382 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.02 | 240 | 196519 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.49 | 264 | 183824 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.46 | 112 | 422106 | 70.19 | ng | | 0.00 |
| 7) Phenol-d6 | 6.47 | 99 | 492313 | 66.36 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.41 | 82 | 267966 | 49.01 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.67 | 330 | 60951 | 58.70 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.20 | 172 | 379209 | 49.89 | ng | | -0.01 |
| 78) Terphenyl-d14 | 12.95 | 244 | 281235 | 32.55 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.41 | 70 | 33751 | 7.13 | ng | # | 71 |
| 25) Isophorone | 7.41 | 82 | 267964 | 23.70 | ng | # | 64 |
| 49) Dimethylphthalate | 9.59 | 163 | 81326 | 8.49 | ng | | 98 |
| 51) Acenaphthene | 9.91 | 154 | 17660 | 2.22 | ng | | 97 |
| 57) Fluorene | 10.43 | 166 | 27099 | 3.19 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.67 | 248 | 3794 | 2.08 | ng | # | 1 |
| 70) Phenanthrene | 11.39 | 178 | 389202 | 39.01 | ng | | 98 |
| 71) Anthracene | 11.44 | 178 | 53118 | 5.20 | ng | | 97 |
| 74) Fluoranthene | 12.59 | 202 | 421350 | 41.71 | ng | | 99 |
| 77) Pyrene | 12.82 | 202 | 531805 | 35.49 | ng | | 99 |
| 80) Benzo(a)anthracene | 14.00 | 228 | 242582 | 20.39 | ng | | 100 |
| 82) Chrysene | 14.04 | 228 | 252976 | 22.33 | ng | | 99 |
| 85) Indeno(1,2,3-cd)pyrene | 16.97 | 276 | 66496 | 7.34 | ng | | 98 |
| 87) Benzo(b)fluoranthene | 15.06 | 252 | 301646 | 26.69 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 15.06 | 252 | 301646 | 27.02 | ng | | 98 |
| 89) Benzo(a)pyrene | 15.43 | 252 | 166093 | 16.01 | ng | | 98 |
| 90) Dibenzo(a,h)anthracene | 17.14 | 278 | 16720 | 2.01 | ng | | 92 |
| 91) Benzo(g,h,i)perylene | 17.42 | 276 | 64371 | 7.84 | ng | | 96 |

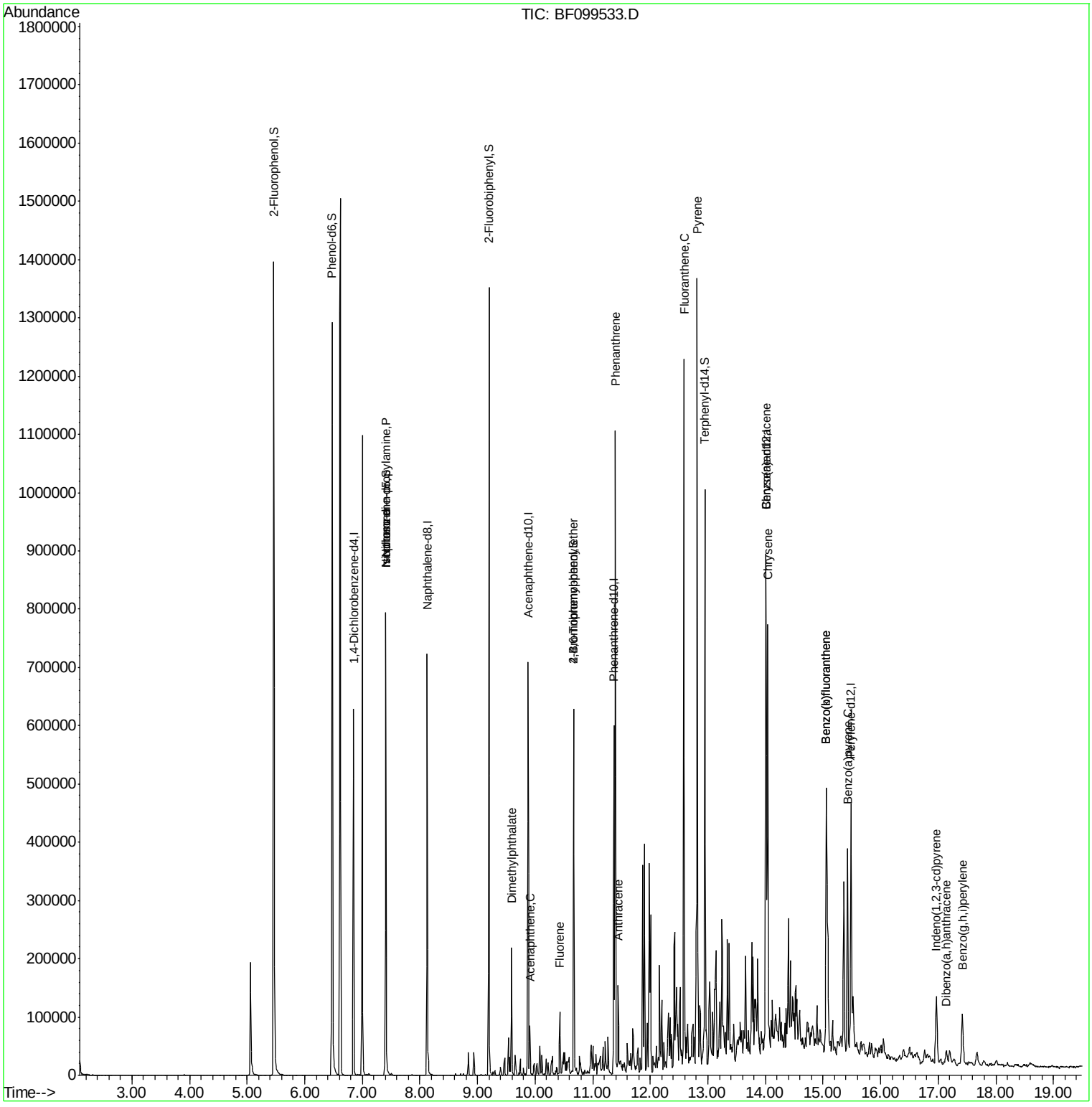
(#) = qualifier out of range (m) = manual integration (+) = signals summed

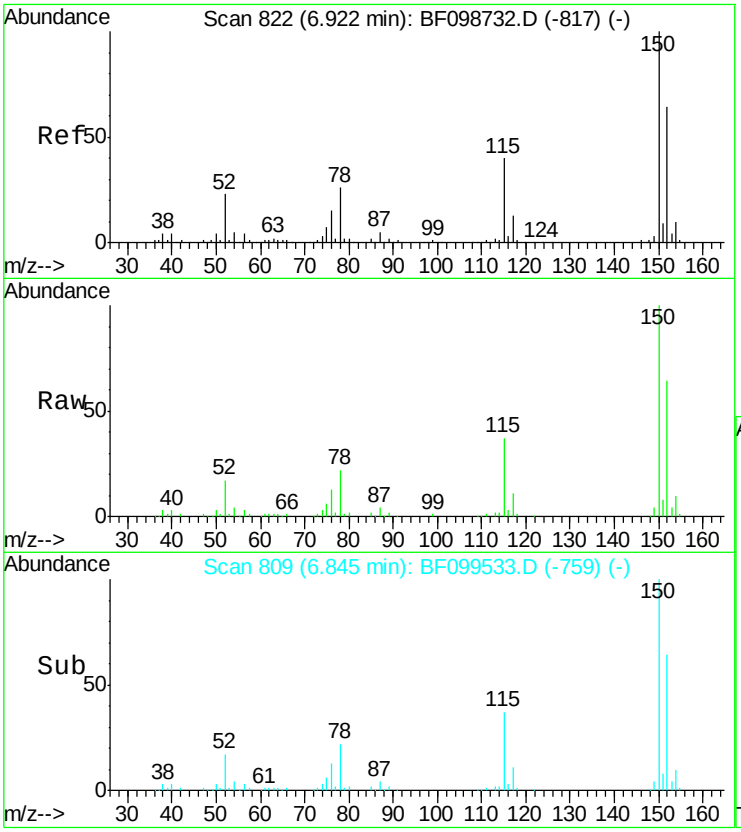
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101517\
Data File : BF099533.D
Acq On : 16 Oct 2017 1:25
Operator : SJ/JU
Sample : I5637-01DL 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**

Quant Time: Oct 16 02:32:06 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 11 16:25:21 2017
Response via : Initial Calibration



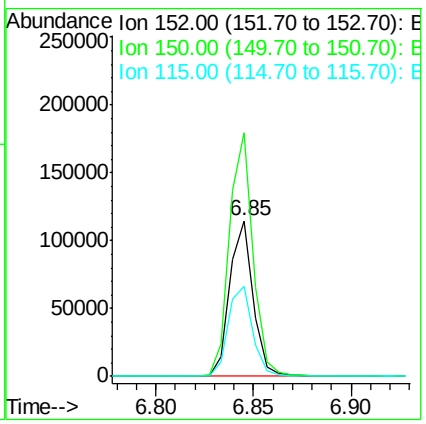


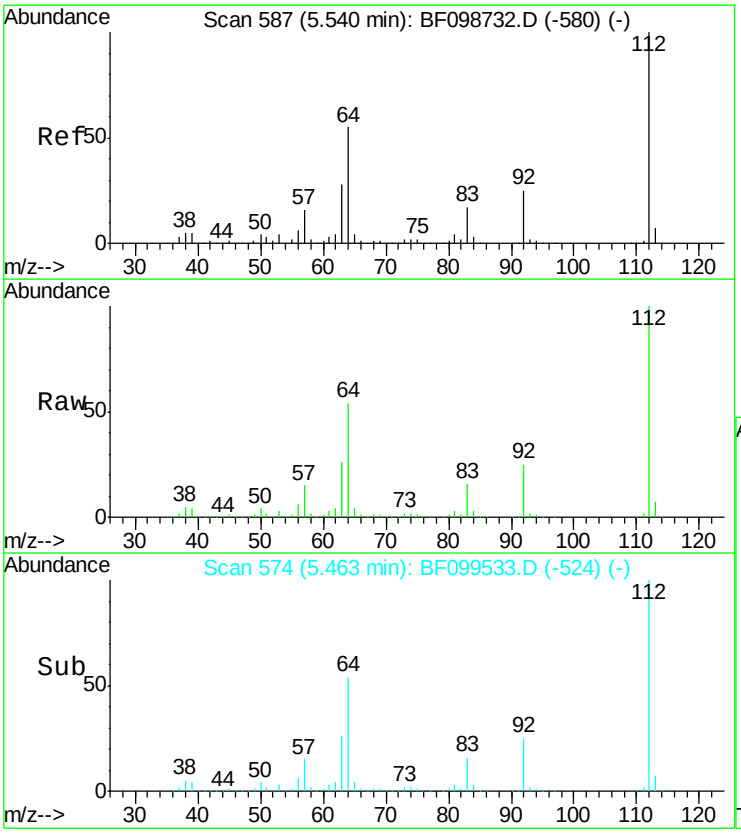

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:152 Resp: 95729

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.4 | 124.6 | 186.8 |
| 115 | 57.8 | 50.1 | 75.1 |

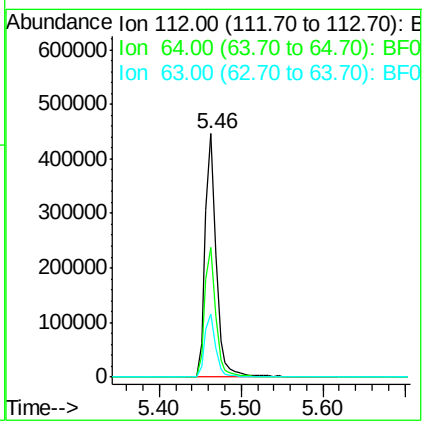


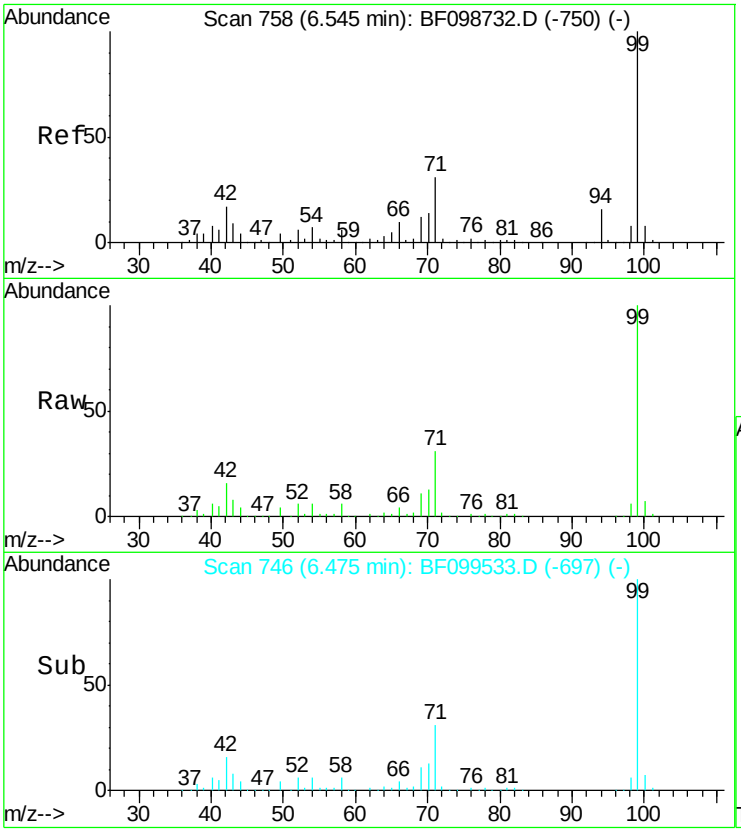




#5
2-Fluorophenol
Concen: 70.19 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion:112 Resp: 422106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.5 | 47.9 | 71.9 |
| 63 | 26.1 | 23.7 | 35.5 |



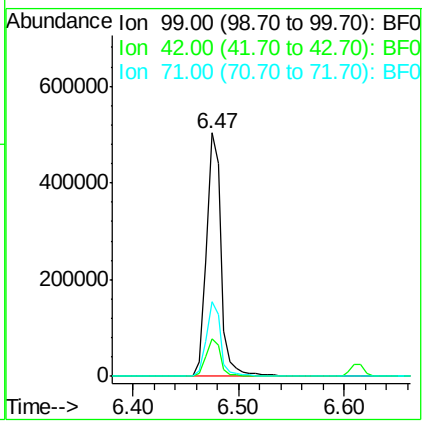


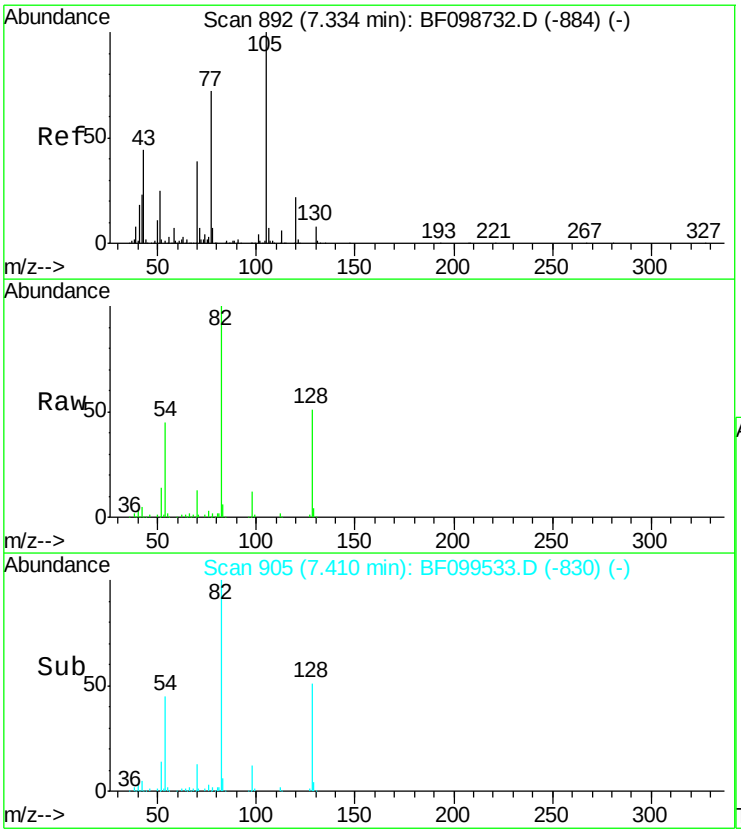

#7
Phenol-d6
Concen: 66.36 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 99 Resp: 492313

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.7 | 14.5 | 21.7 |
| 71 | 30.8 | 25.4 | 38.0 |

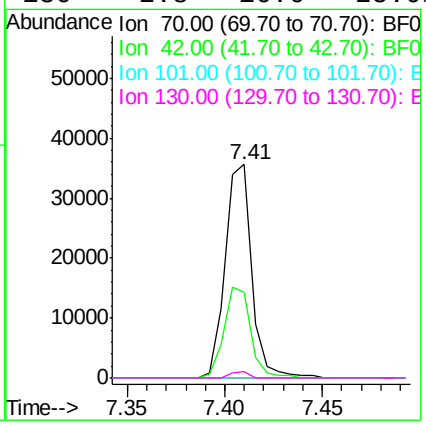


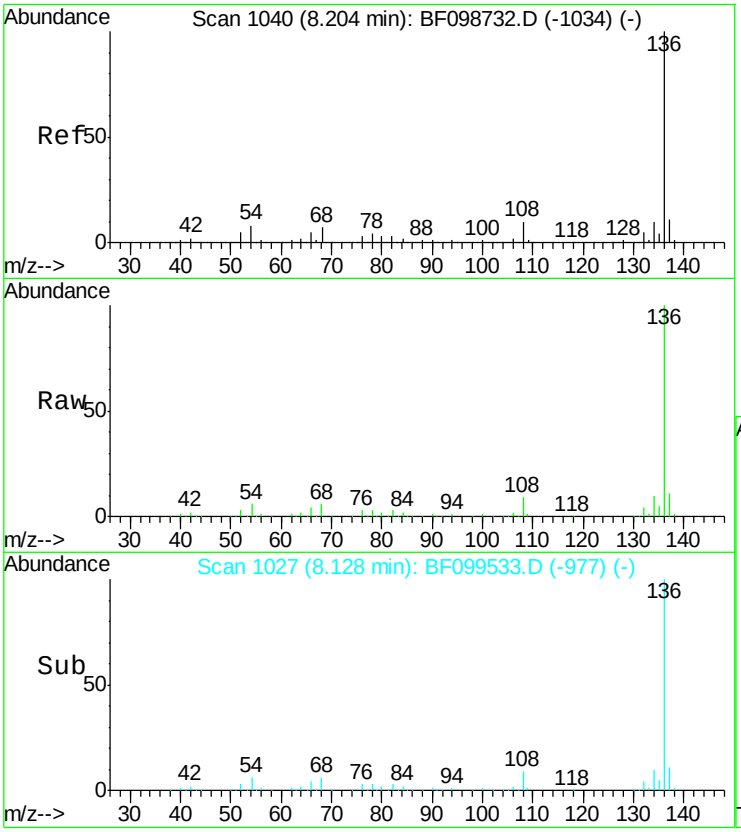




#19
n-Nitroso-di-n-propylamine
Concen: 7.13 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion: 70 Resp: 33751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 40.0 | 47.5 | 71.3# |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.8 | 16.6 | 25.0# |



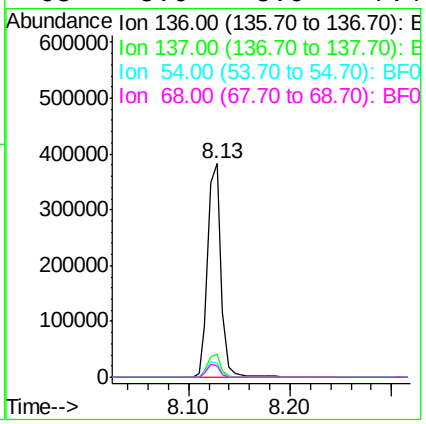


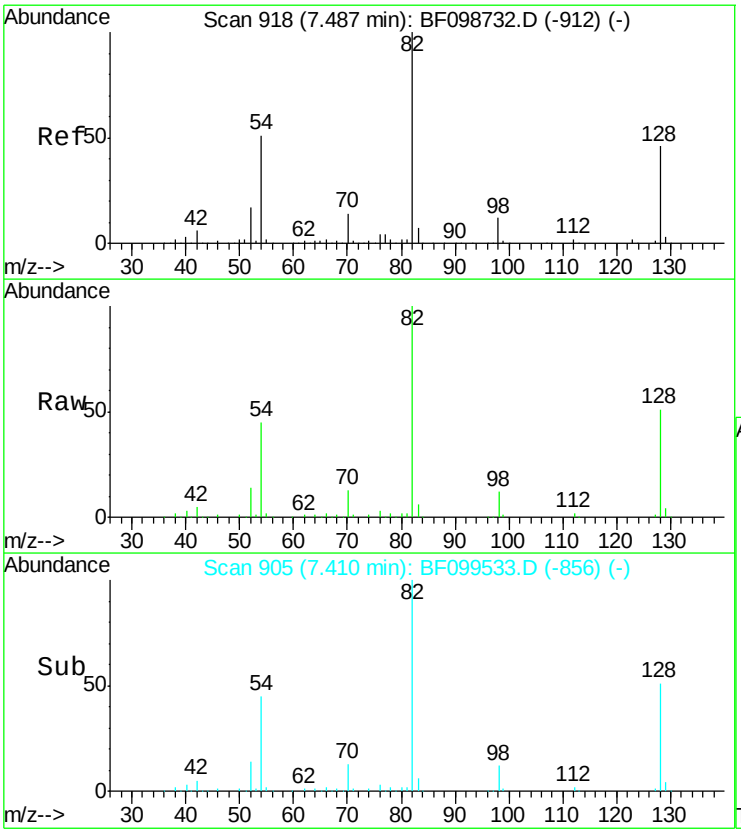

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:136 Resp: 350658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.9 | 13.3 |
| 54 | 6.4 | 6.6 | 9.8# |
| 68 | 5.6 | 5.0 | 7.4 |

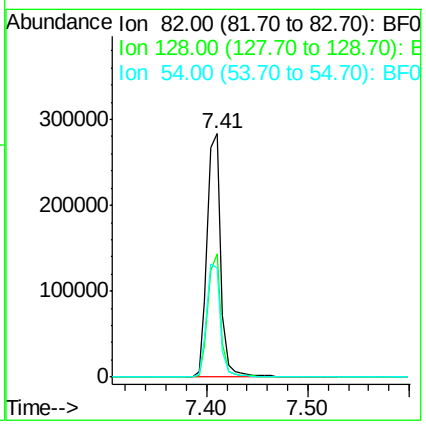


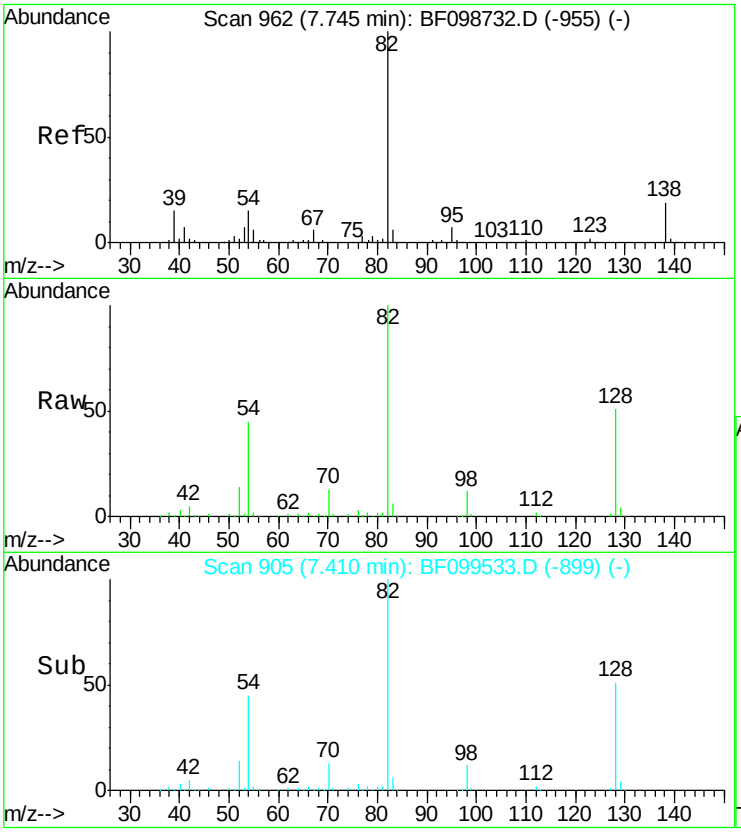




#23
Nitrobenzene-d5
Concen: 49.01 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion: 82 Resp: 267966

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 50.7 | 36.1 | 54.1 |
| 54 | 44.8 | 41.4 | 62.2 |



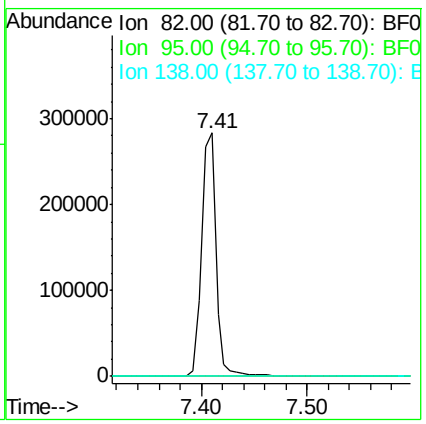


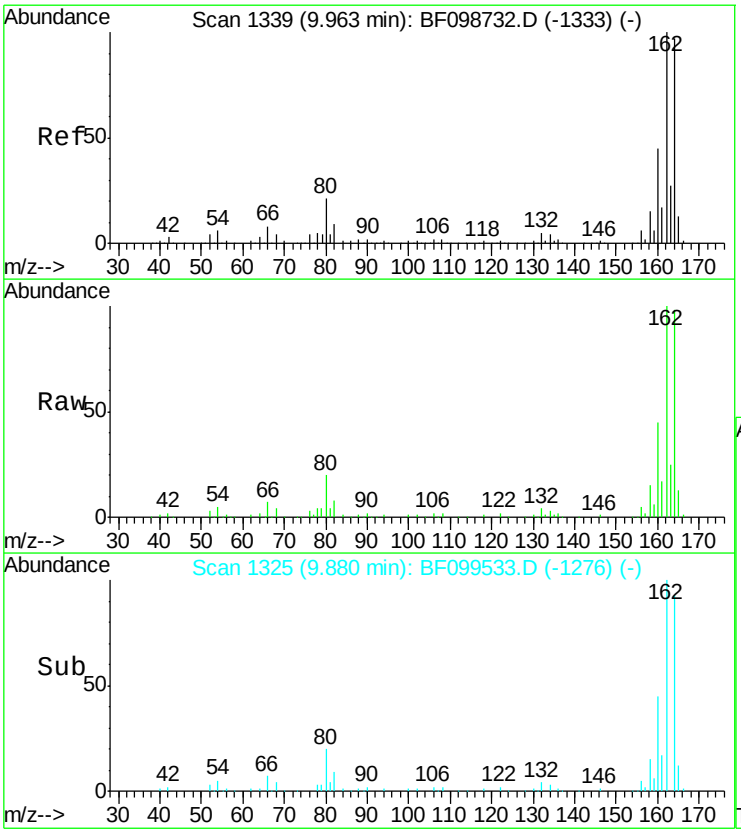

#25
Isophorone
Concen: 23.70 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion: 82 Resp: 267964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.2 | 7.8# |
| 138 | 0.0 | 14.9 | 22.3# |

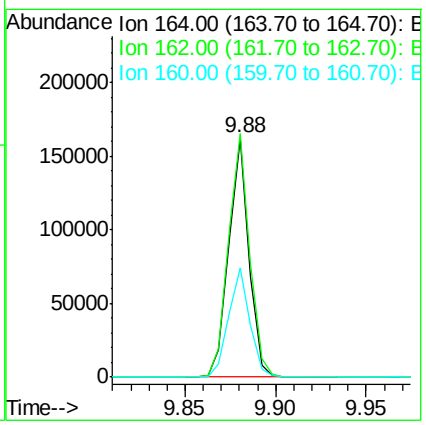


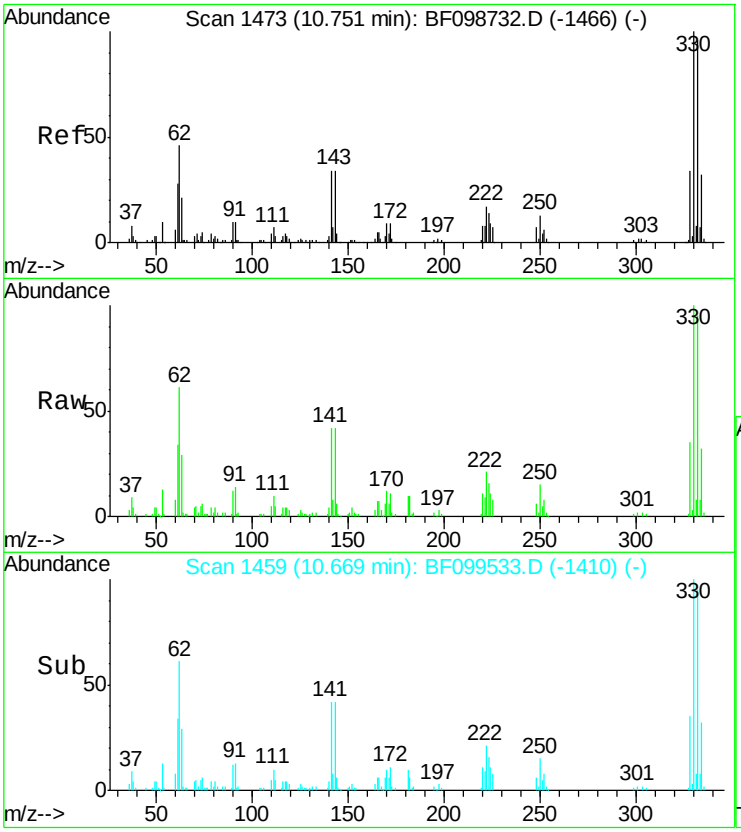




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion:164 Resp: 126894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.0 | 86.1 | 129.1 |
| 160 | 45.6 | 38.3 | 57.5 |



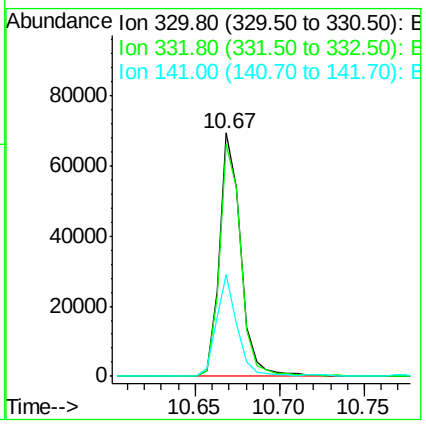


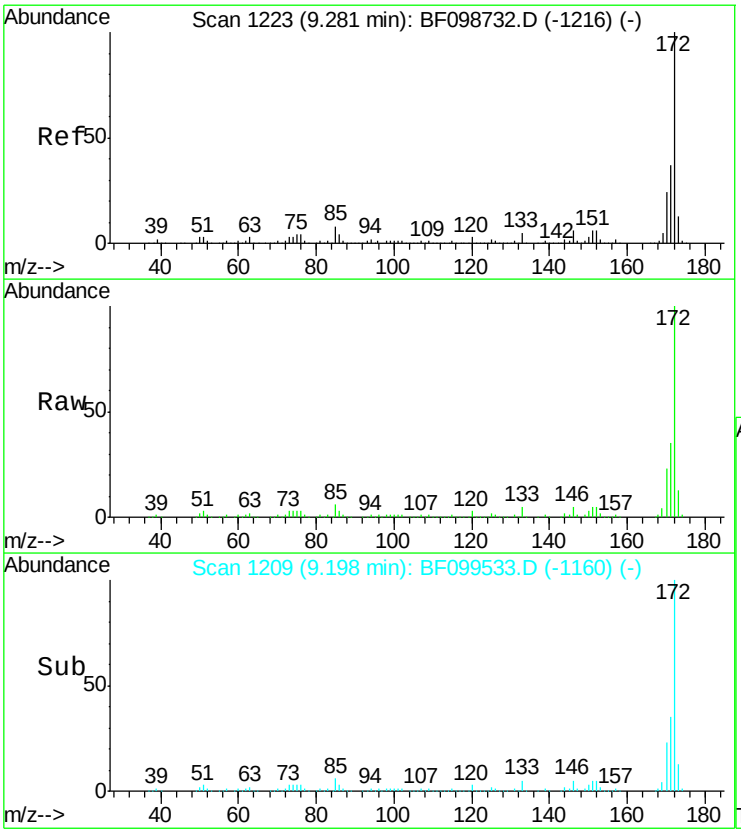

#41
2,4,6-Tribromophenol
Concen: 58.70 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:330 Resp: 60951

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 77.0 | 115.6 |
| 141 | 40.9 | 29.9 | 44.9 |

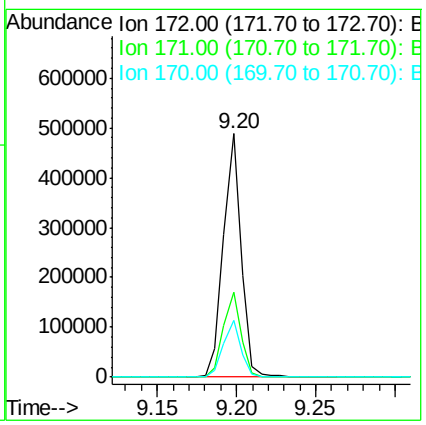


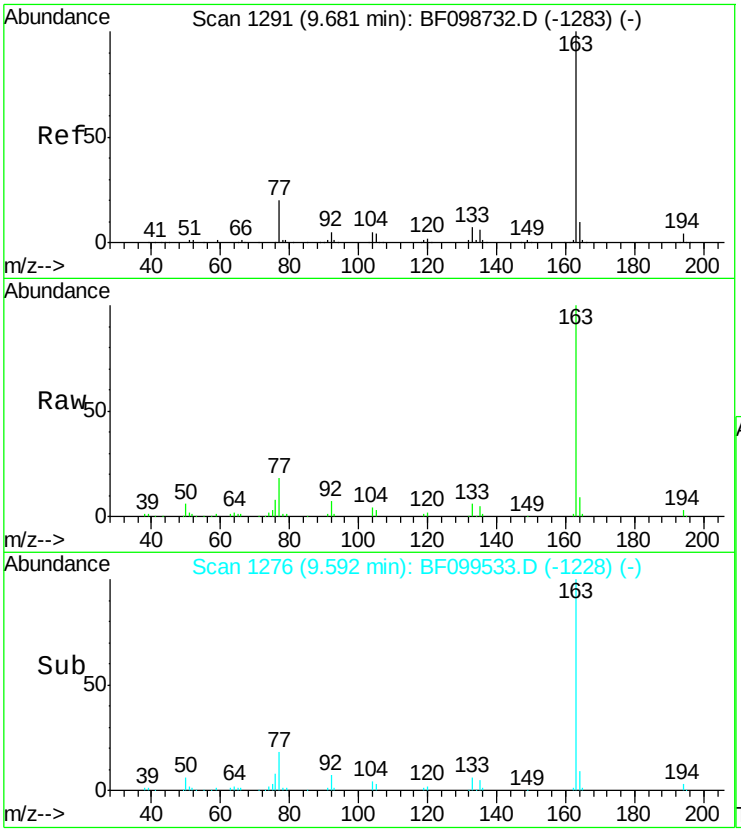




#44
2-Fluorobiphenyl
Concen: 49.89 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion:172 Resp: 379209

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.9 | 29.7 | 44.5 |
| 170 | 23.1 | 19.6 | 29.4 |



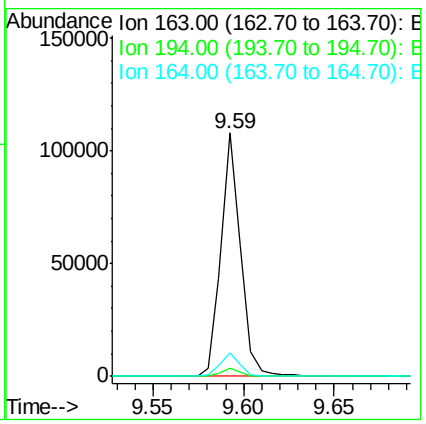


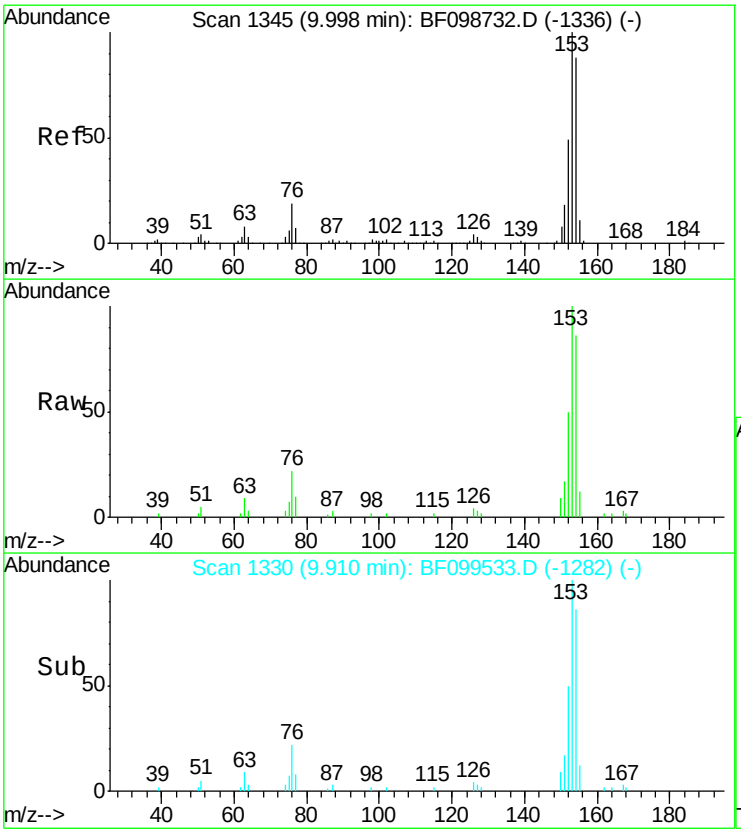

#49
Dimethylphthalate
Concen: 8.49 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:163 Resp: 81326

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.3 | 2.7 | 4.1 |
| 164 | 9.4 | 8.2 | 12.2 |

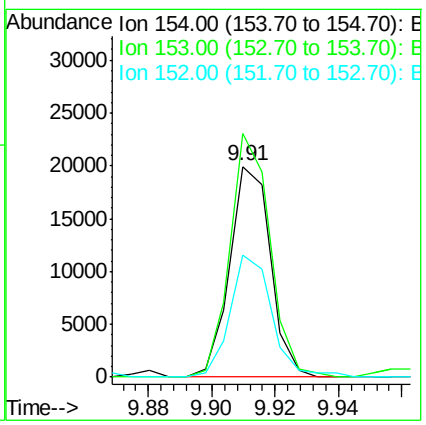


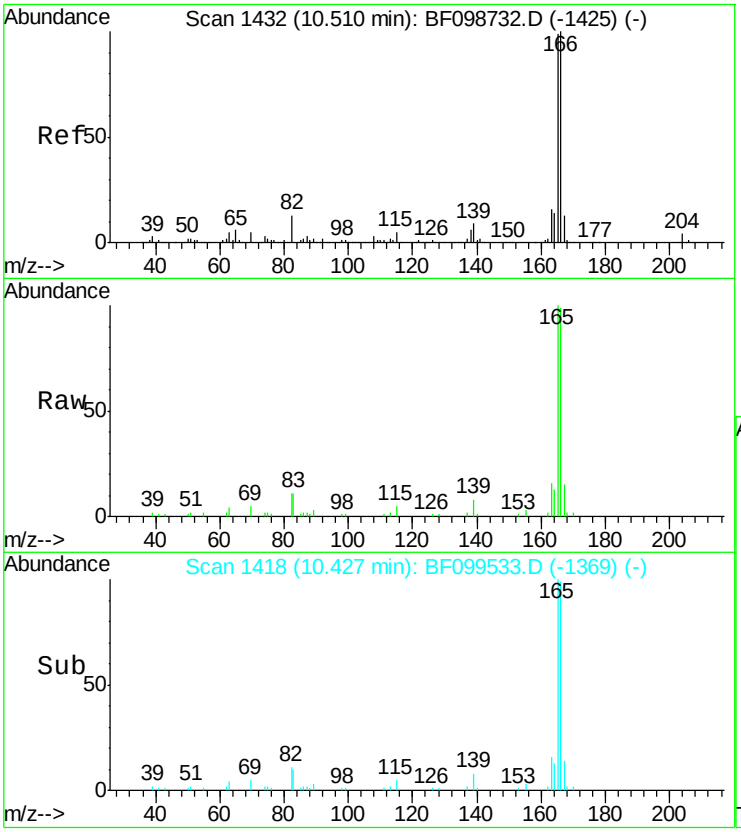




#51
Acenaphthene
Concen: 2.22 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.02 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion:154 Resp: 17660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 115.7 | 91.2 | 136.8 |
| 152 | 58.1 | 43.8 | 65.8 |



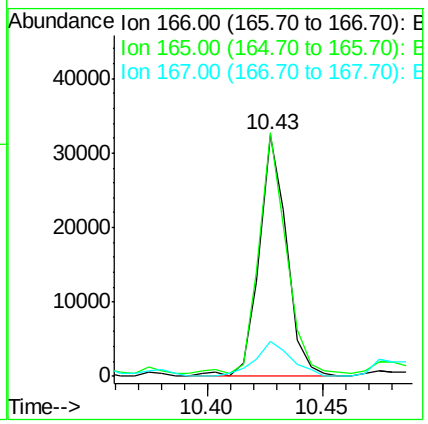


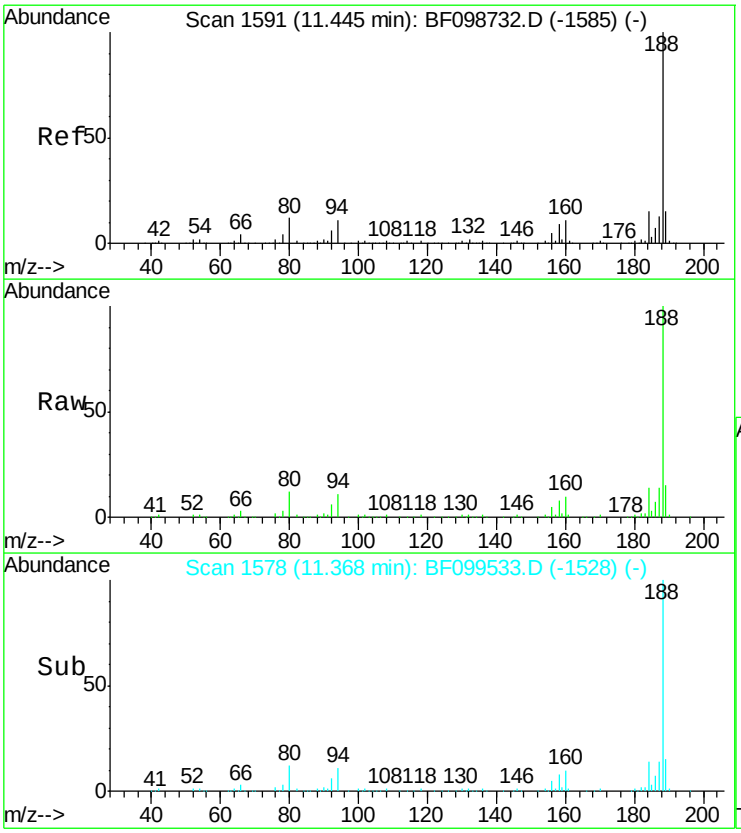

#57
Fluorene
Concen: 3.19 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:166 Resp: 27099

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 100.9 | 79.8 | 119.8 |
| 167 | 14.7 | 10.6 | 16.0 |

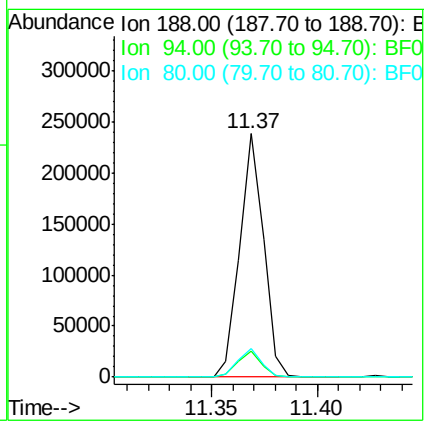


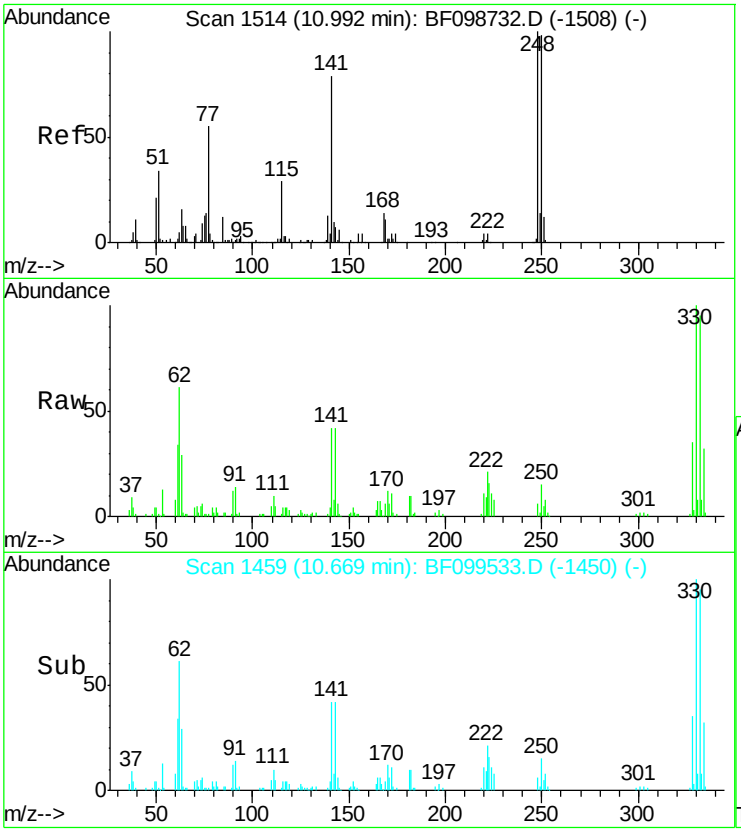




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion:188 Resp: 186382

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.7 | 8.5 | 12.7 |
| 80 | 11.6 | 9.2 | 13.8 |



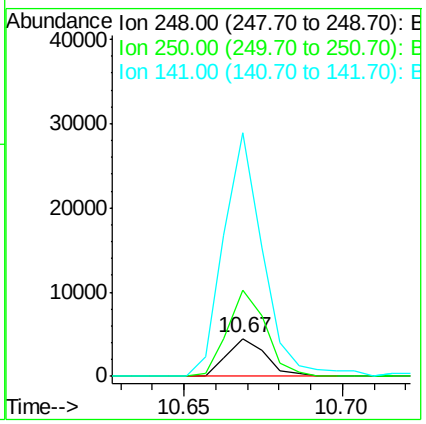


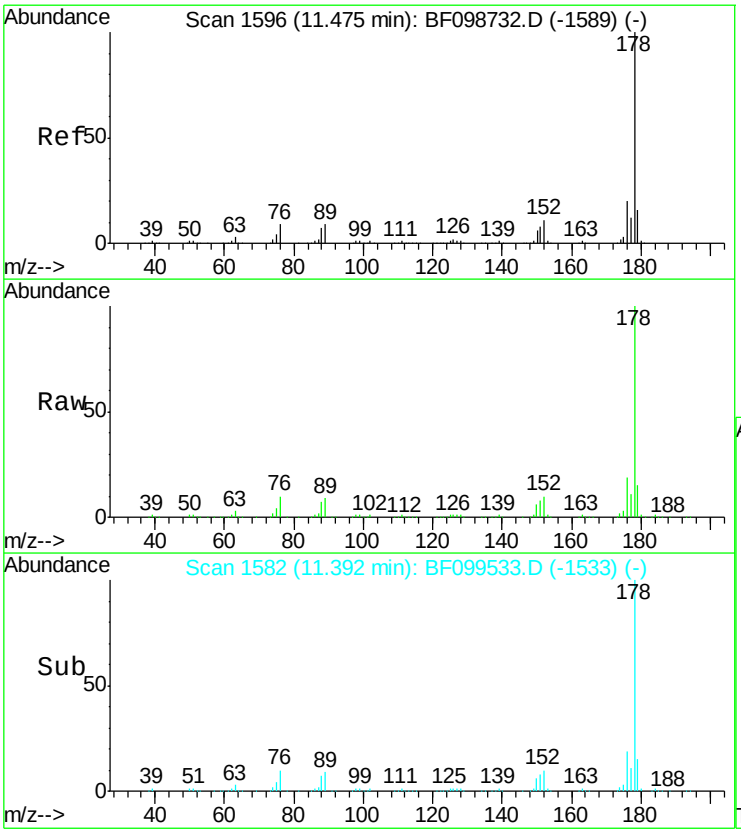

#66
4-Bromophenyl-phenylether
Concen: 2.08 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.25 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:248 Resp: 3794

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 228.2 | 76.9 | 115.3# |
| 141 | 640.8 | 74.4 | 111.6# |

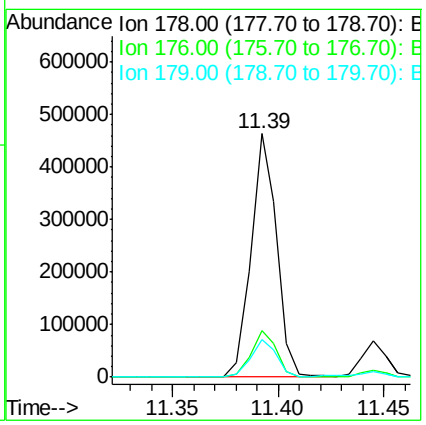


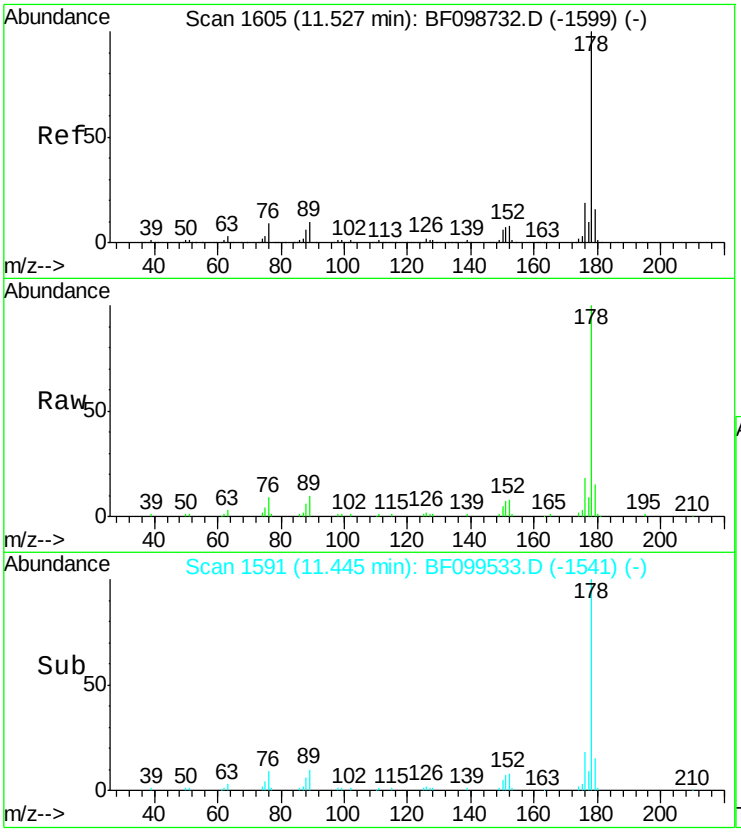




#70
Phenanthrene
Concen: 39.01 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion:178 Resp: 389202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.8 | 23.8 |
| 179 | 15.3 | 13.0 | 19.6 |



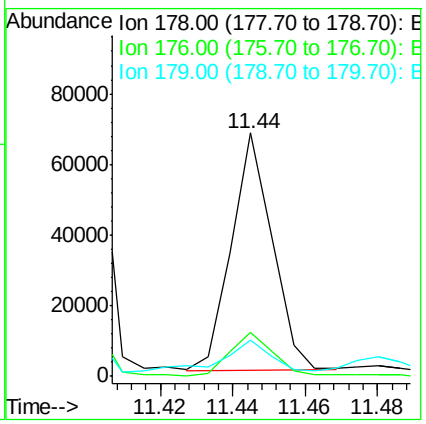


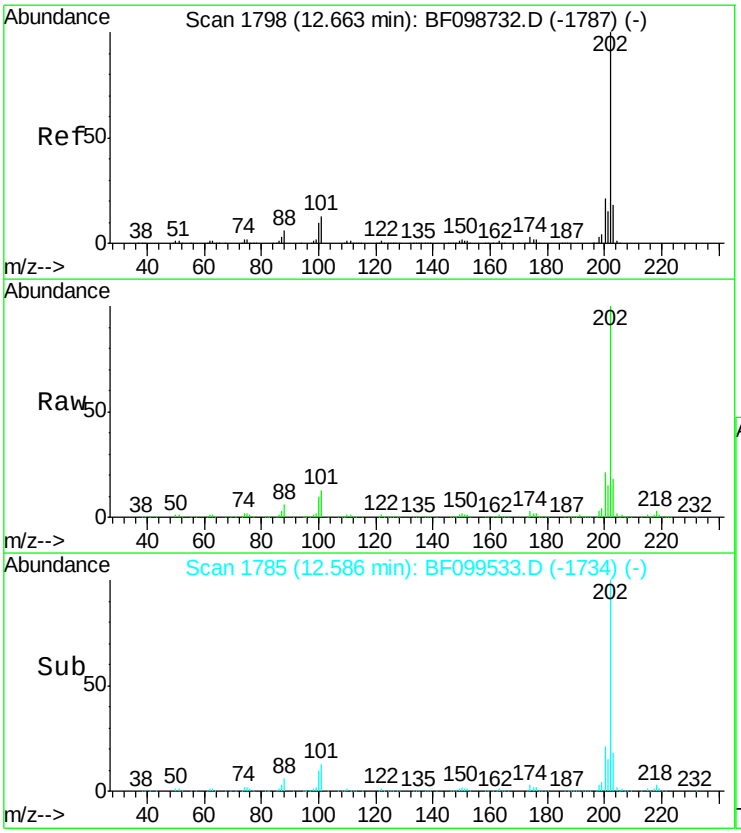

#71
Anthracene
Concen: 5.20 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:178 Resp: 53118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 17.8 | 15.4 | 23.2 |
| 179 | 14.8 | 12.6 | 19.0 |

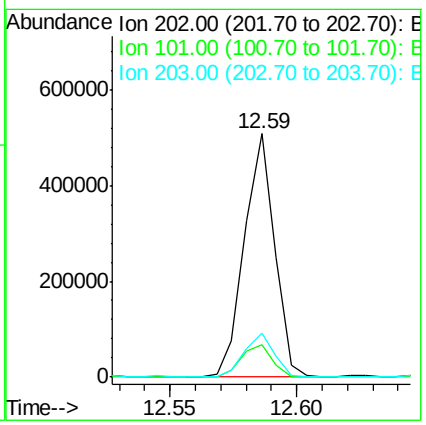


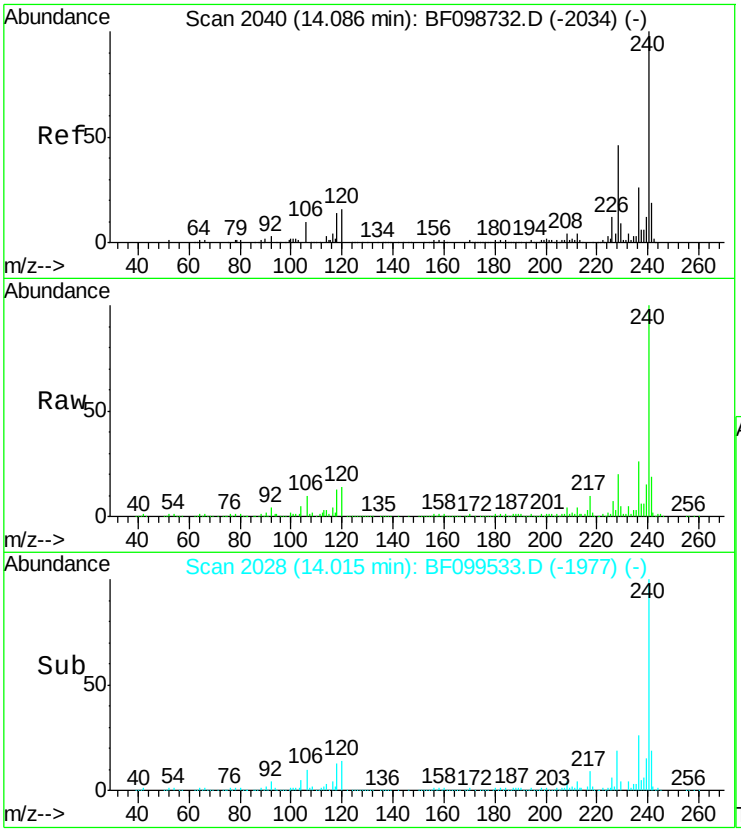




#74
Fluoranthene
Concen: 41.71 ng
RT: 12.59 min Scan# 1785
Delta R.T. -0.00 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion:202 Resp: 421350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.3 | 0.0 | 34.1 |
| 203 | 17.8 | 0.0 | 38.1 |



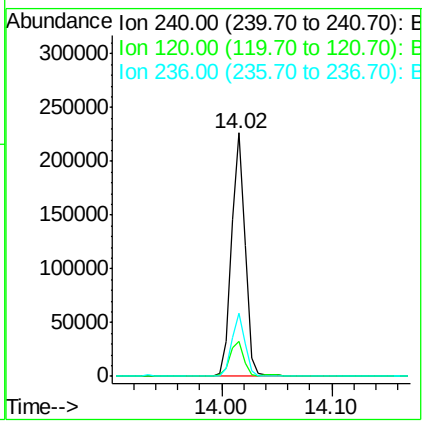


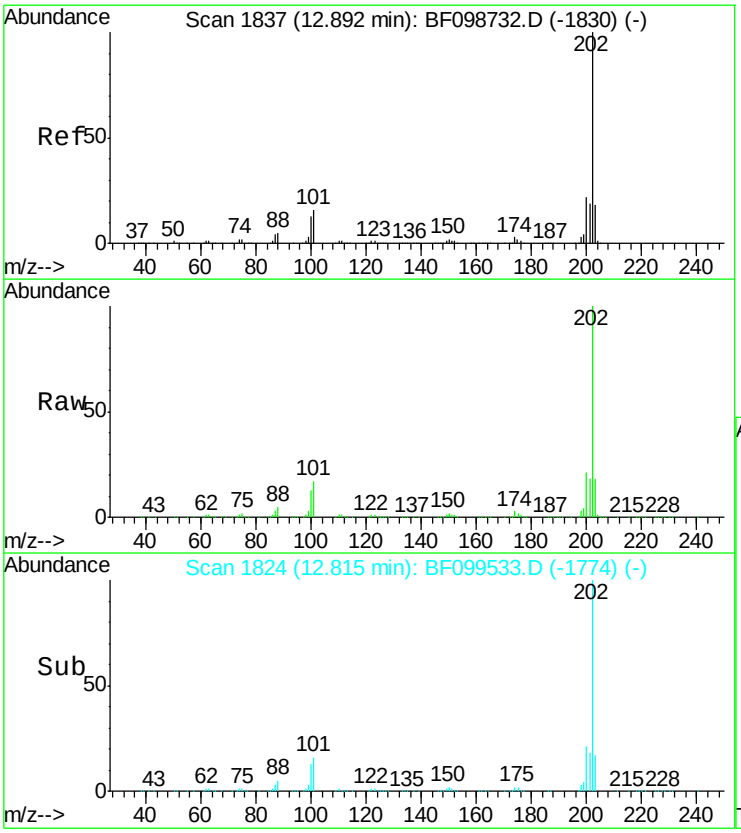

#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:240 Resp: 196519

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.3 | 9.5 | 14.3 |
| 236 | 26.1 | 20.7 | 31.1 |

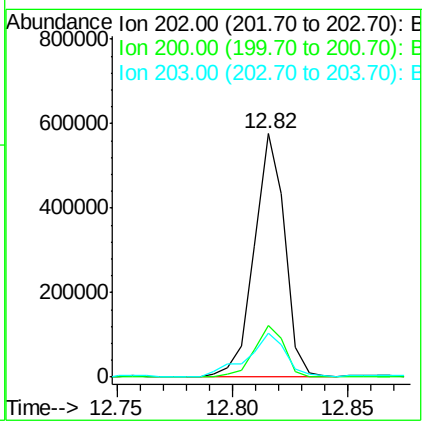


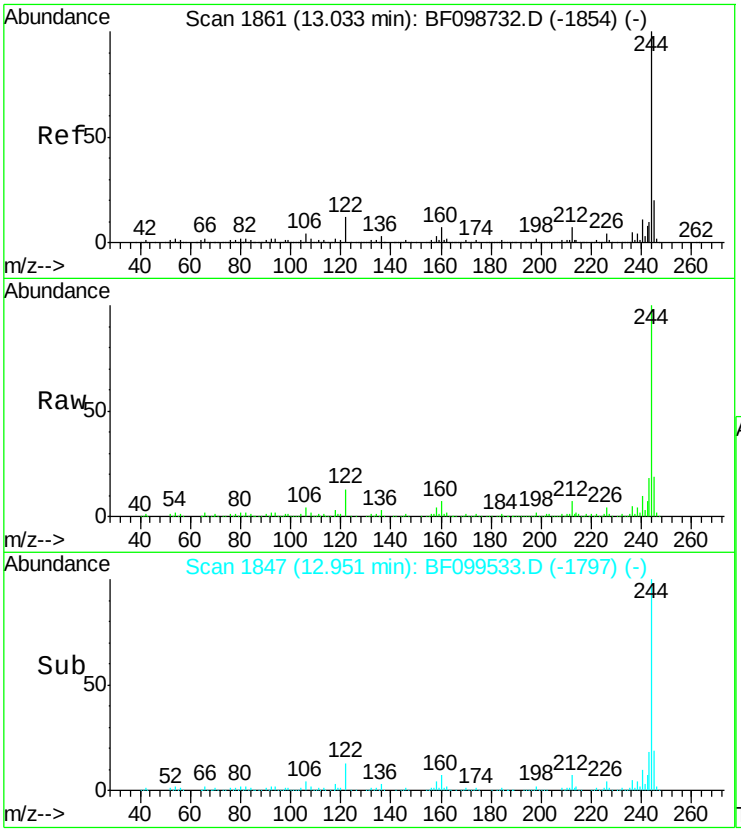




#77
Pyrene
Concen: 35.49 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion:202 Resp: 531805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.2 | 17.4 | 26.2 |
| 203 | 17.9 | 14.3 | 21.5 |



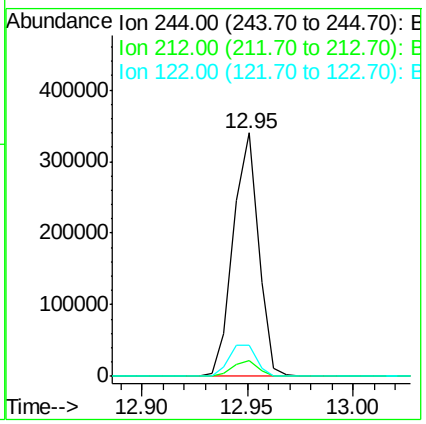


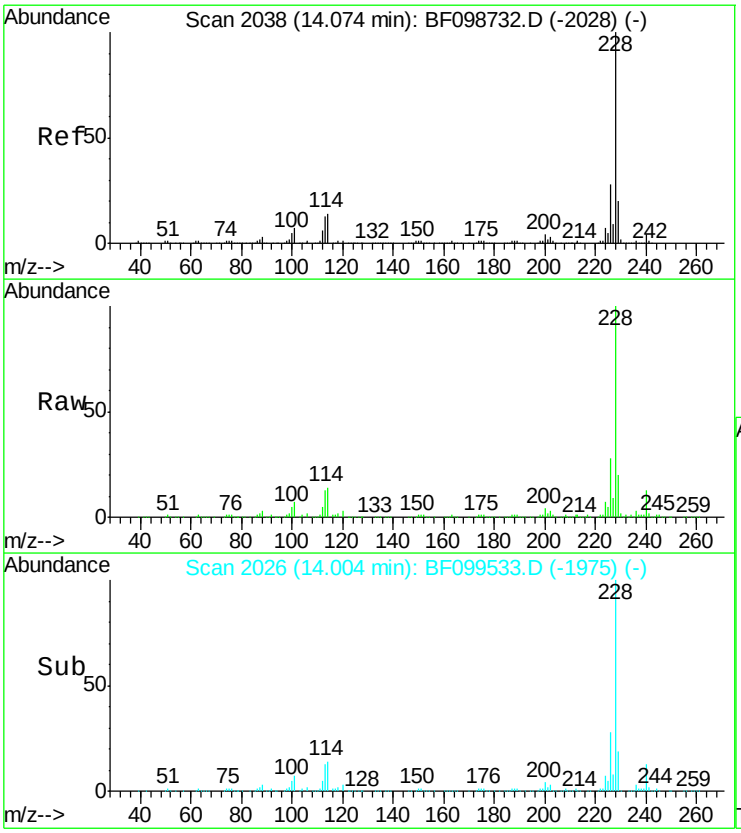

#78
Terphenyl-d14
Concen: 32.55 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:244 Resp: 281235

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.4 | 8.0 |
| 122 | 12.9 | 11.0 | 16.4 |

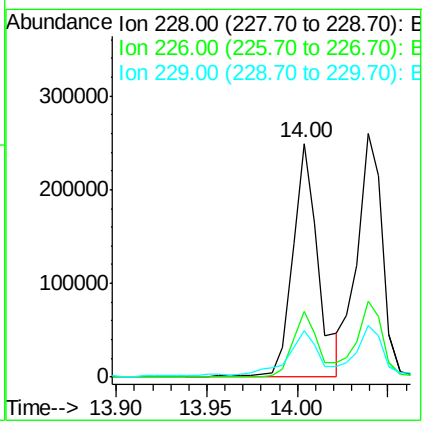


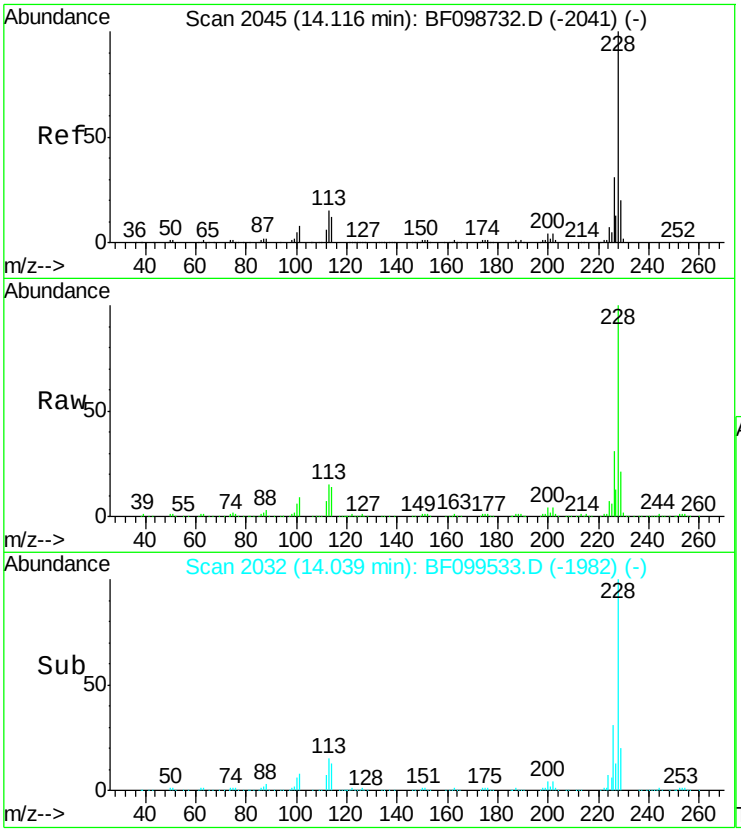




#80
Benzo(a)anthracene
Concen: 20.39 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion:228 Resp: 242582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.2 | 22.6 | 33.8 |
| 229 | 20.0 | 15.8 | 23.6 |



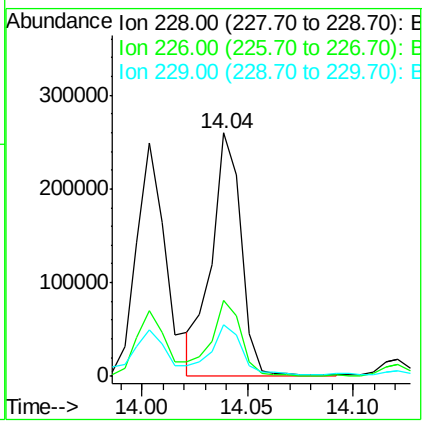


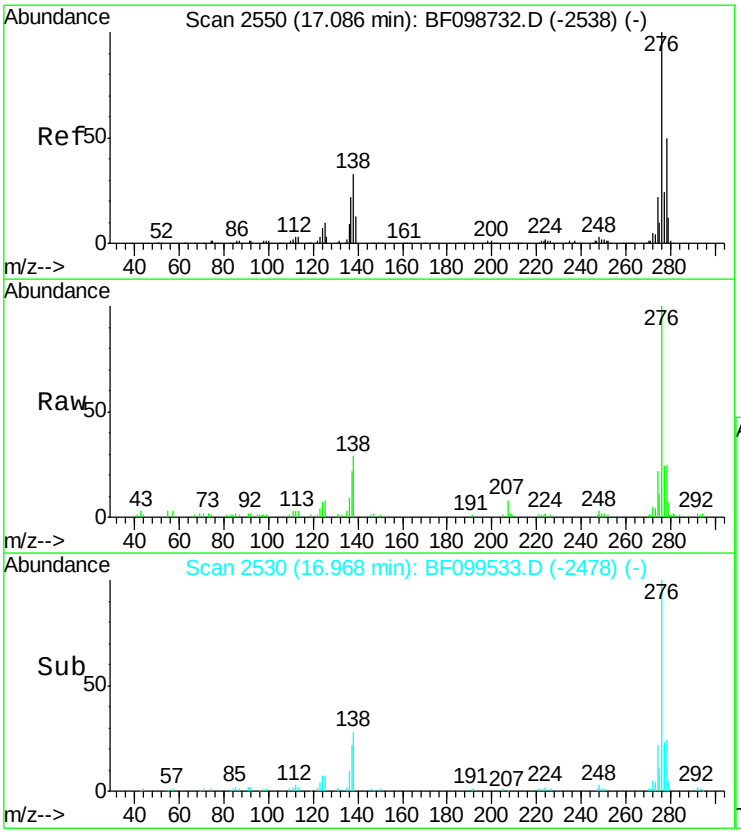

#82
Chrysene
Concen: 22.33 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:228 Resp: 252976

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.2 | 25.0 | 37.6 |
| 229 | 21.3 | 16.2 | 24.4 |

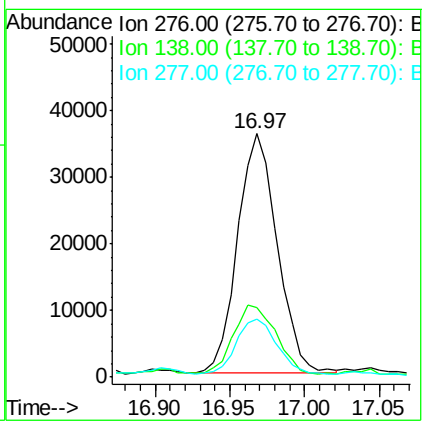


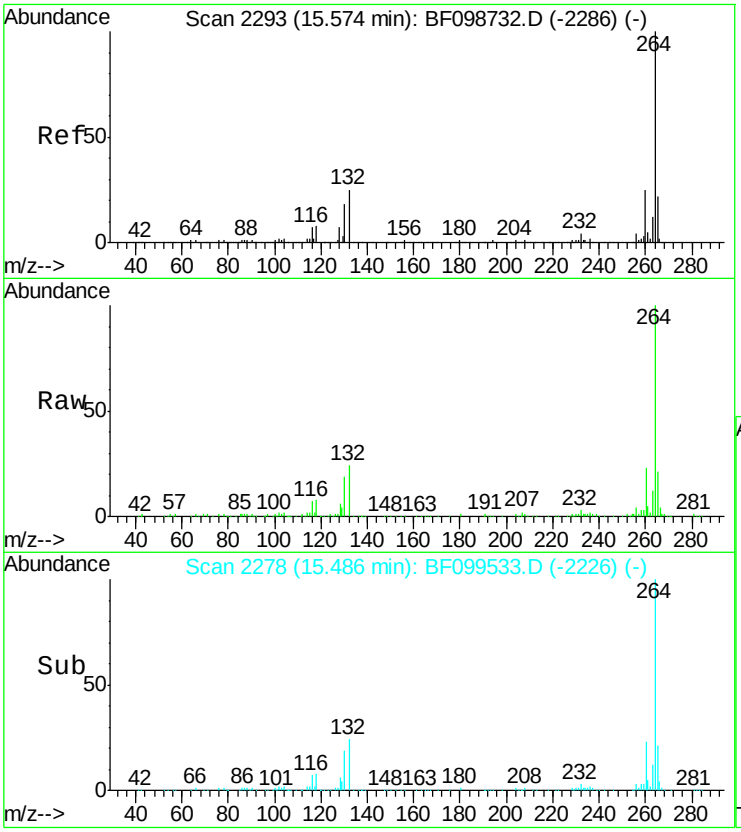




#85
Indeno(1,2,3-cd)pyrene
Concen: 7.34 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion:276 Resp: 66496

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 32.7 | 25.0 | 37.6 |
| 277 | 25.4 | 20.1 | 30.1 |



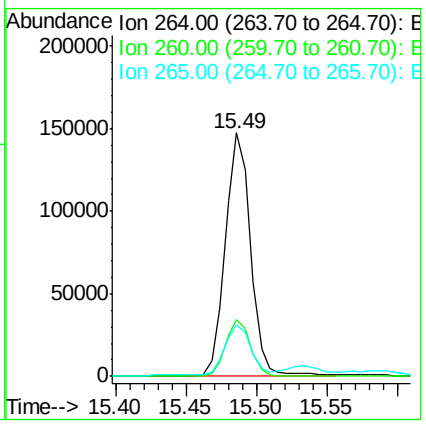


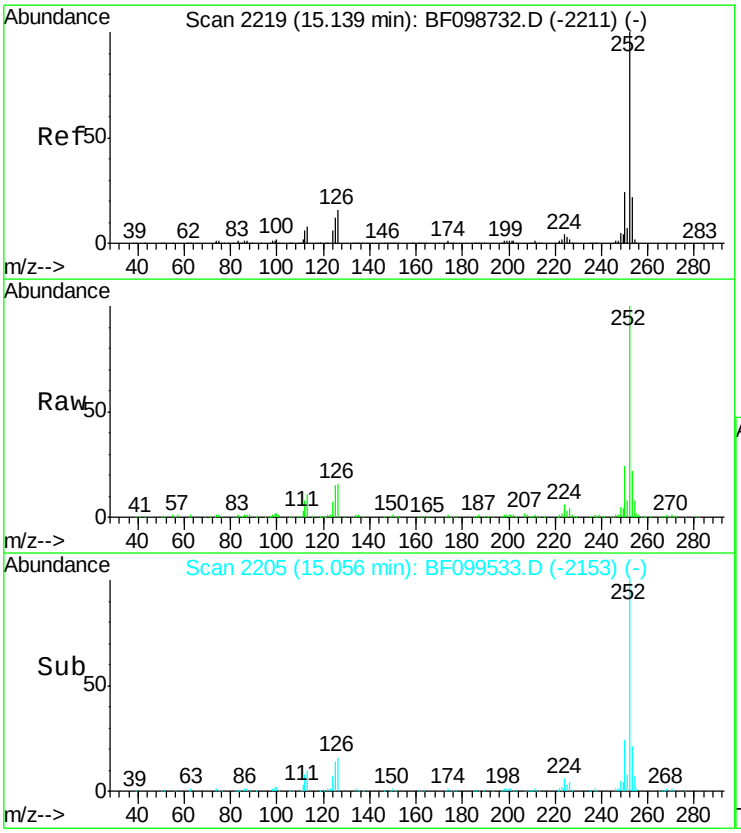

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:264 Resp: 183824

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 19.2 | 28.8 |
| 265 | 21.4 | 17.5 | 26.3 |

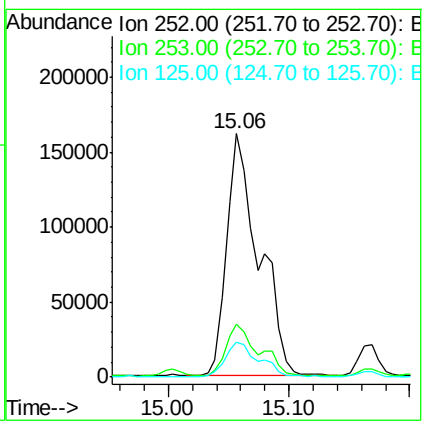


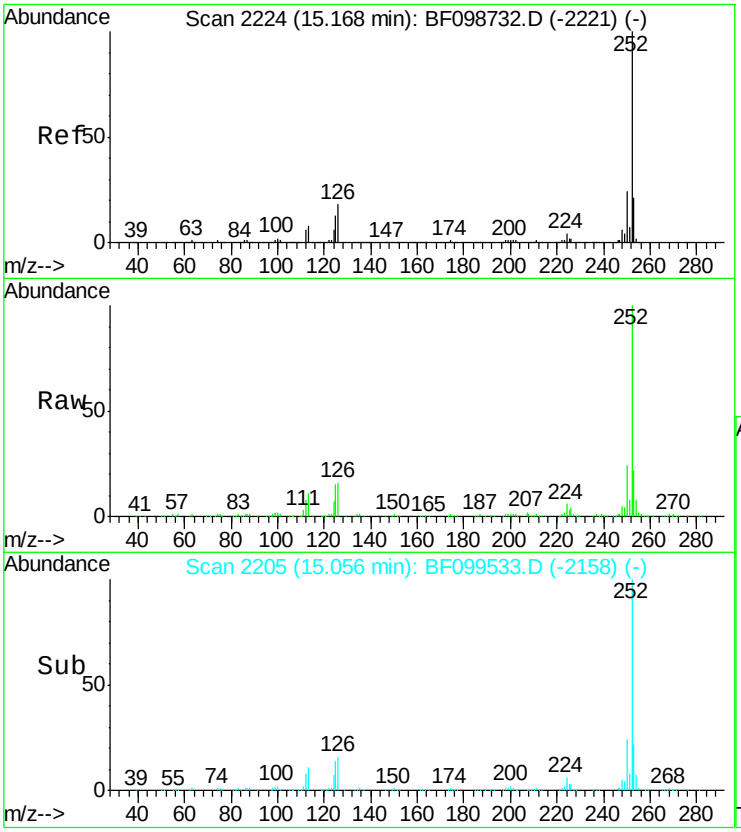




#87
Benzo(b)fluoranthene
Concen: 26.69 ng
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion:252 Resp: 301646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.0 | 25.6 |
| 125 | 14.5 | 9.0 | 13.6# |



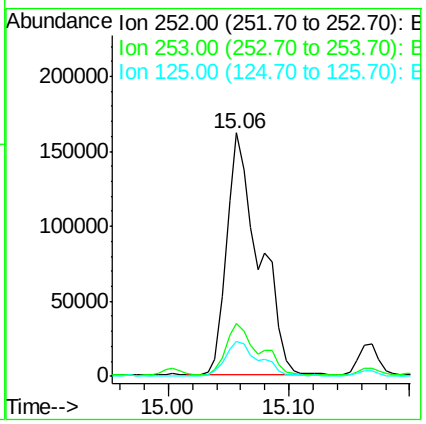


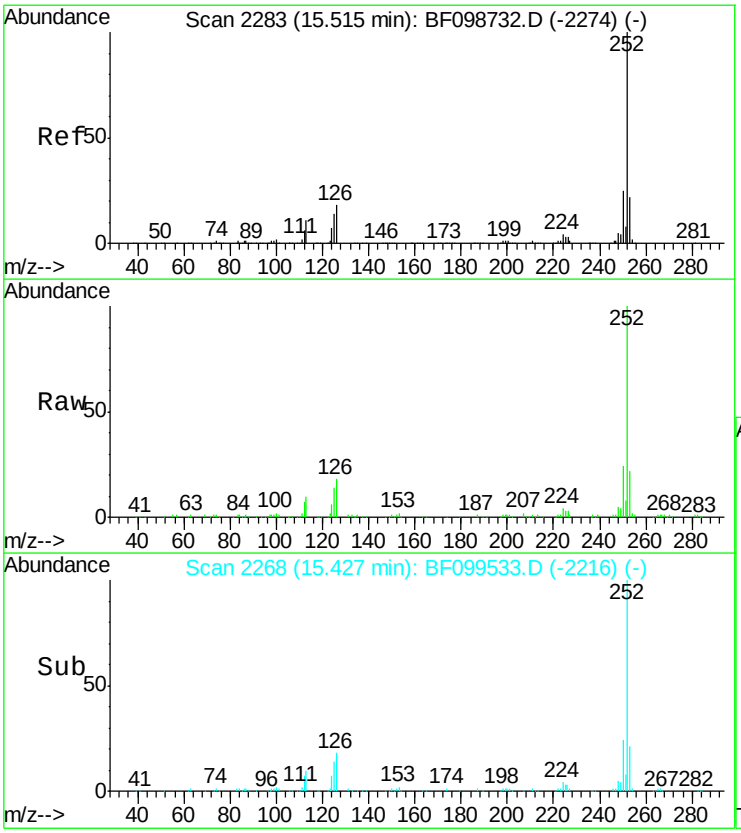

#88
Benzo(k)fluoranthene
Concen: 27.02 ng
RT: 15.06 min Scan# 2205
Delta R.T. -0.02 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:252 Resp: 301646

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 17.9 | 26.9 |
| 125 | 14.5 | 10.2 | 15.2 |

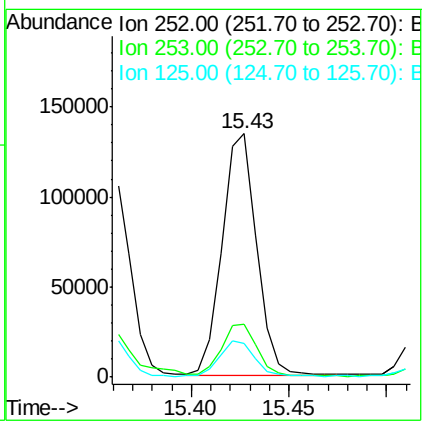


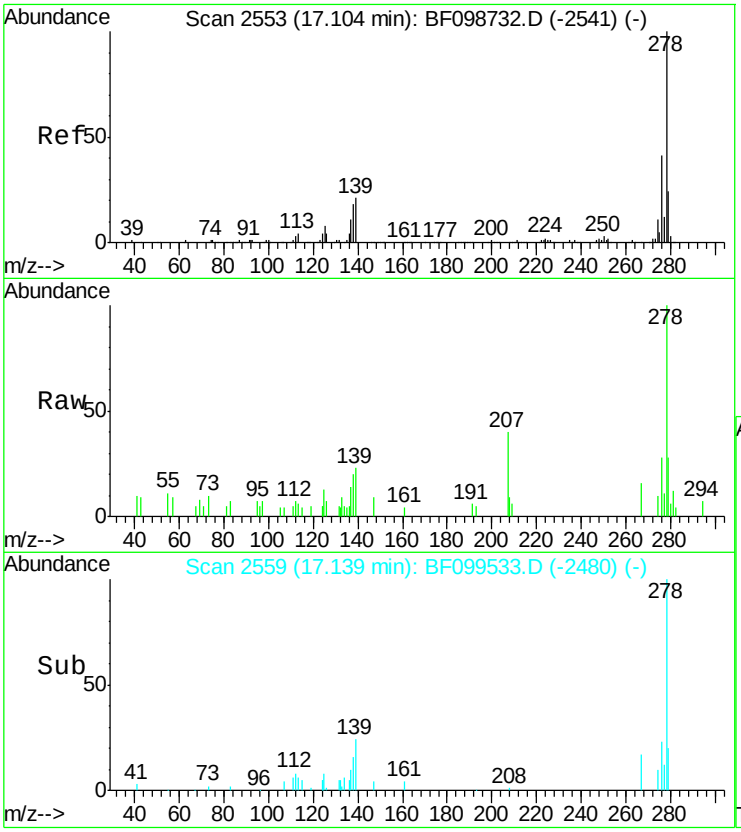




#89
Benzo(a)pyrene
Concen: 16.01 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion:252 Resp: 166093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.7 | 17.1 | 25.7 |
| 125 | 14.0 | 9.8 | 14.6 |



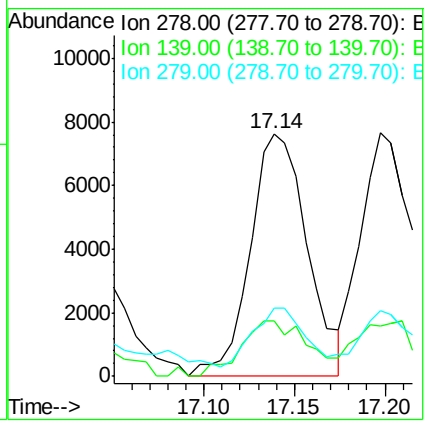


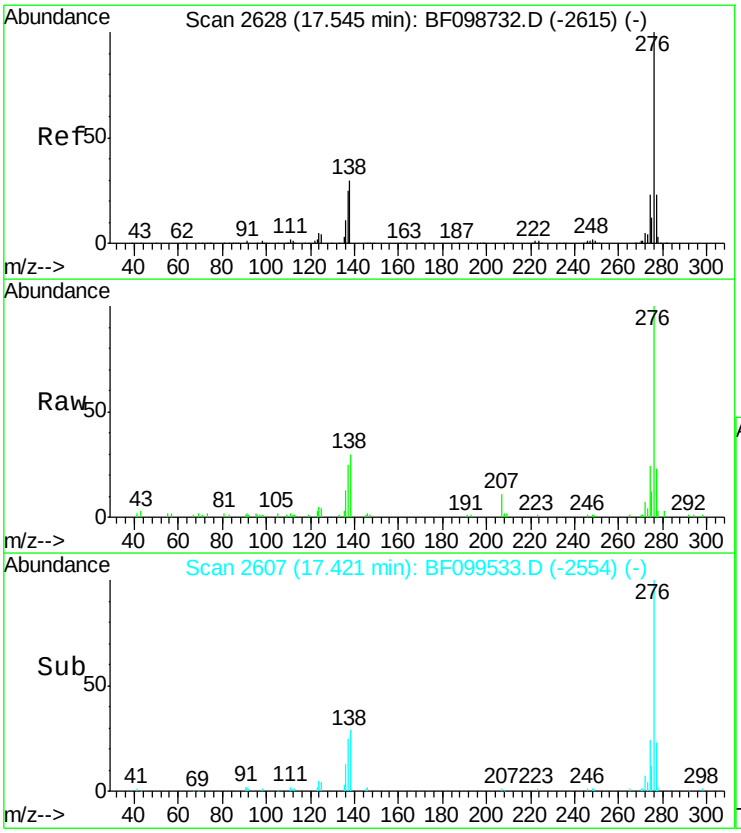

#90
Dibenzo(a,h)anthracene
Concen: 2.01 ng
RT: 17.14 min Scan# 2559
Delta R.T. 0.16 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

**Instrument :**
BNA_F
**ClientSampleId :**

Tgt Ion:278 Resp: 16720

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 22.8 | 15.9 | 23.9 |
| 279 | 28.1 | 19.0 | 28.4 |




#91
Benzo(g,h,i)perylene
Concen: 7.84 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion:276 Resp: 64371

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.5 | 17.9 | 26.9 |
| 138 | 29.9 | 21.8 | 32.8 |