Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091034.D
Acq On : 4 Nov 2016 21:35
Operator : UM/SJ
Sample : H5526-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** SB-98-4.5-5.0

Quant Time: Nov 04 23:26:27 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 11:03:12 2016
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.70 | 152 | 176031 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 7.98 | 136 | 682441 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.74 | 164 | 336226 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.22 | 188 | 452962 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 13.85 | 240 | 329348 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.24 | 264 | 294518 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.31 | 112 | 1684331 | 158.03 | ng | | 0.02 |
| 7) Phenol-d6 | 6.36 | 99 | 2170202 | 150.01 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.28 | 82 | 1454673 | 116.28 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.53 | 330 | 410771 | 135.14 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.07 | 172 | 1828990 | 93.65 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.81 | 244 | 1328273 | 100.64 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.48 | 77 | 38394 | 4.78 | ng | | 92 |
| 15) Benzyl Alcohol | 6.85 | 79 | 22428 | 2.20 | ng | # | 57 |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70 | 203106 | 20.26 | ng | # | 76 |
| 25) Isophorone | 7.28 | 82 | 1387895 | 57.57 | ng | # | 67 |
| 49) Dimethylphthalate | 9.47 | 163 | 587253 | 26.64 | ng | | 99 |
| 55) 4-Nitrophenol | 9.95 | 139 | 354 | 5.82 | ng | # | 1 |
| 56) 2,4-Dinitrotoluene | 9.74 | 165 | 43048 | 7.16 | ng | # | 26 |
| 66) 4-Bromophenyl-phenylether | 10.53 | 248 | 29289 | 6.22 | ng | # | 1 |
| 74) Fluoranthene | 12.43 | 202 | 172249 | 6.90 | ng | | 91 |
| 77) Pyrene | 12.66 | 202 | 141450 | 6.56 | ng | | 95 |
| 80) Benzo(a)anthracene | 13.85 | 228 | 96662 | 5.17 | ng | | 99 |
| 82) Chrysene | 13.85 | 228 | 96662 | 5.24 | ng | | 97 |
| 85) Indeno(1,2,3-cd)pyrene | 16.55 | 276 | 58560 | 3.83 | ng | | 93 |
| 87) Benzo(b)fluoranthene | 14.85 | 252 | 185862 | 9.30 | ng | # | 95 |
| 88) Benzo(k)fluoranthene | 14.85 | 252 | 185862 | 10.61 | ng | | 97 |
| 89) Benzo(a)pyrene | 15.19 | 252 | 78148 | 4.49 | ng | # | 97 |
| 91) Benzo(g,h,i)perylene | 16.93 | 276 | 55030 | 4.05 | ng | | 99 |

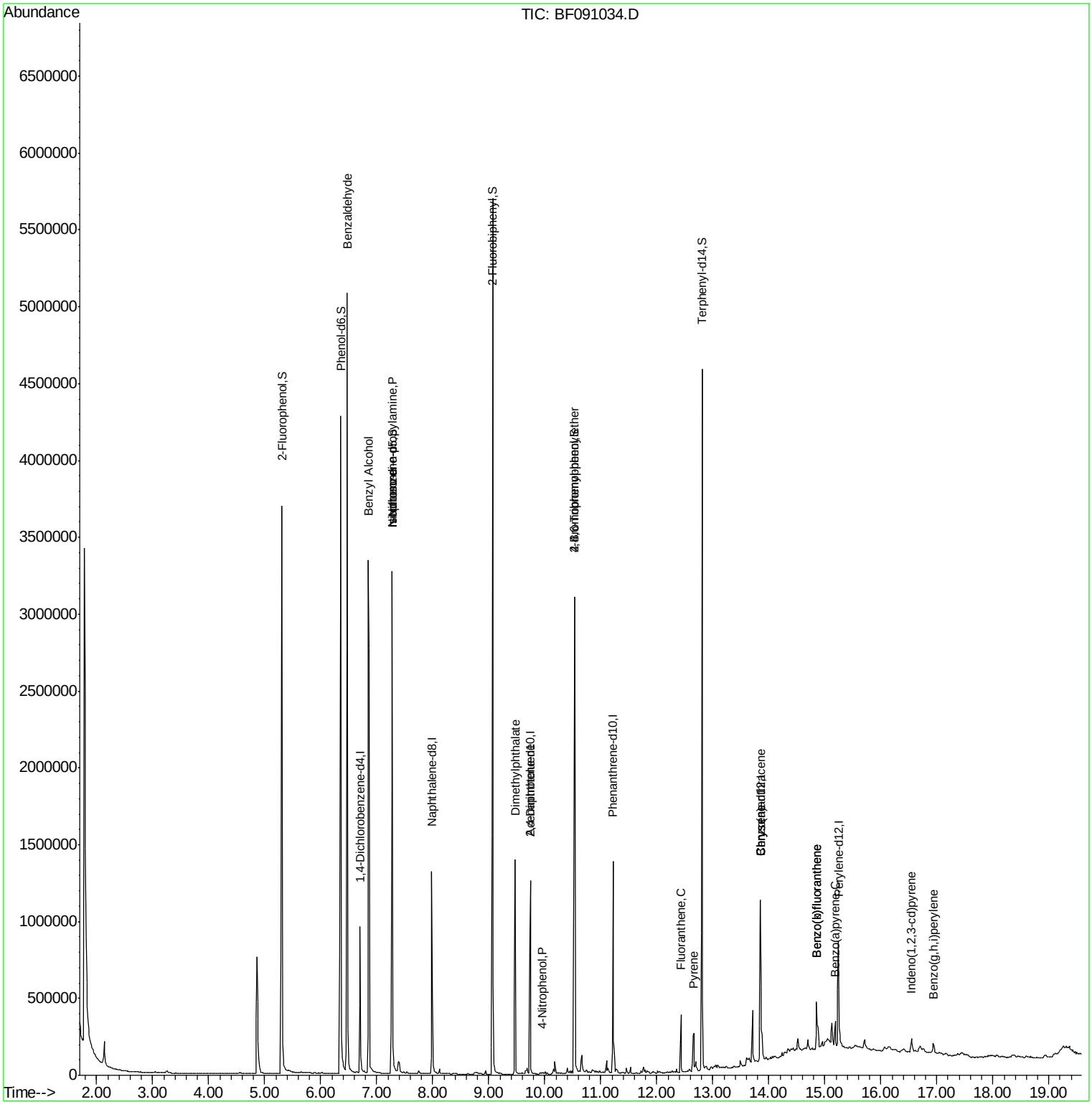
(#) = qualifier out of range (m) = manual integration (+) = signals summed

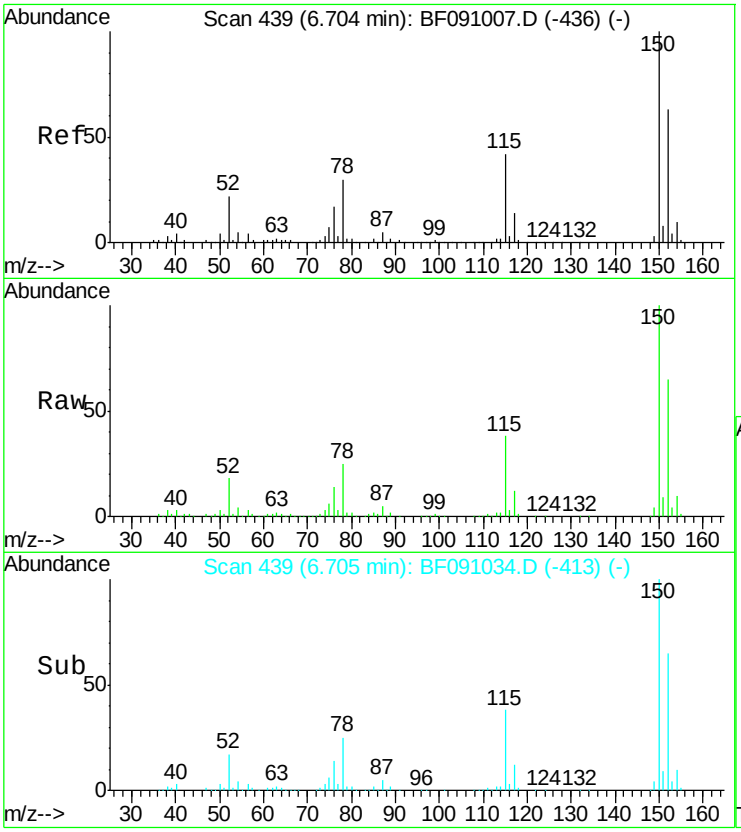
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110416\
Data File : BF091034.D
Acq On : 4 Nov 2016 21:35
Operator : UM/SJ
Sample : H5526-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
SB-98-4.5-5.0

Quant Time: Nov 04 23:26:27 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 04 11:03:12 2016
Response via : Initial Calibration



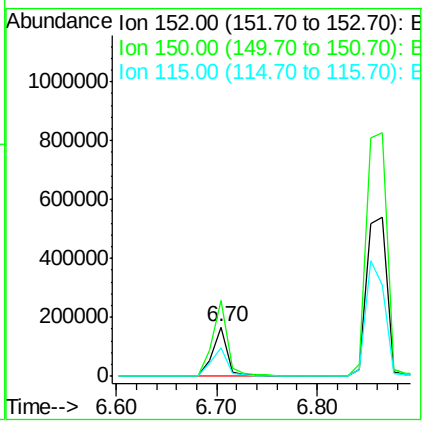


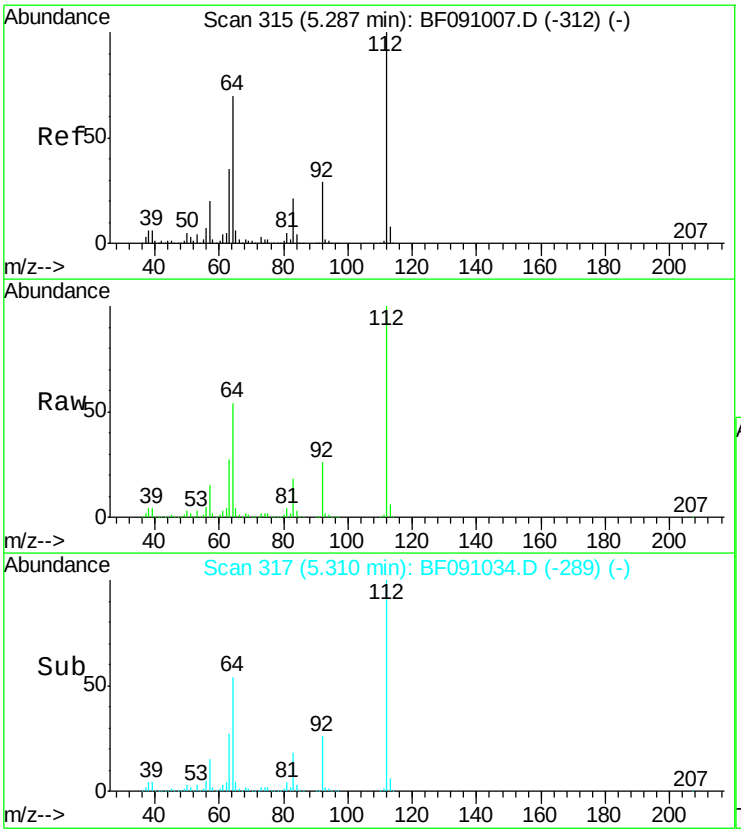

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.70 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

**Instrument :**
BNA_F
**ClientSampleId :**
SB-98-4.5-5.0

Tgt Ion:152 Resp: 176031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.1 | 126.8 | 190.2 |
| 115 | 59.0 | 53.3 | 79.9 |

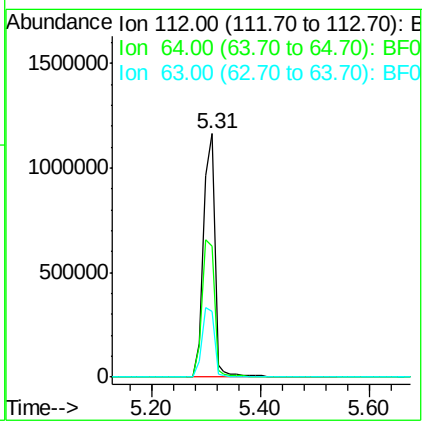


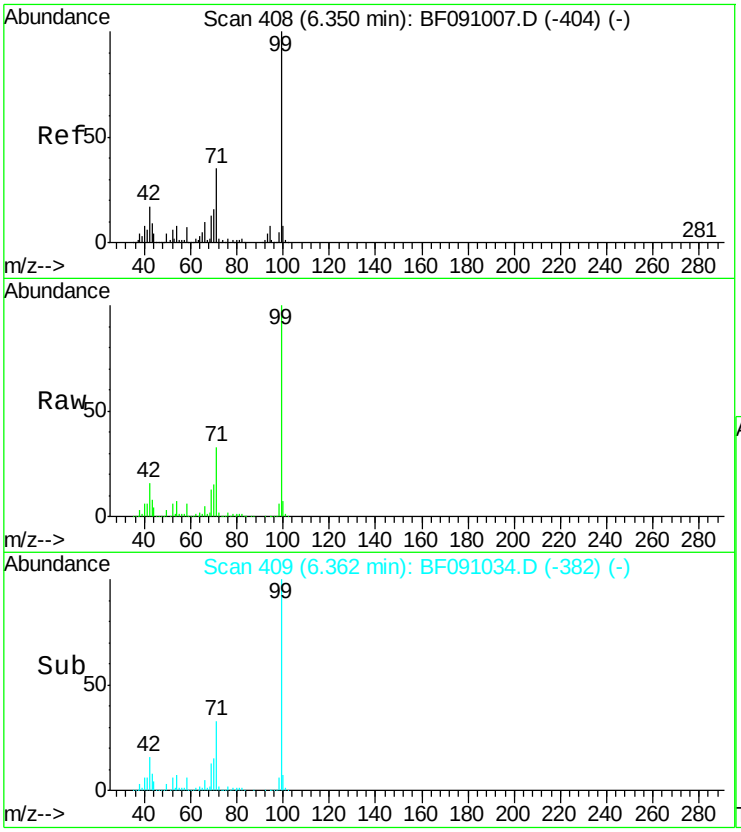




#5
2-Fluorophenol
Concen: 158.03 ng
RT: 5.31 min Scan# 317
Delta R.T. 0.02 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

Tgt Ion:112 Resp: 1684331

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 54.0 | 55.8 | 83.6# |
| 63 | 26.9 | 28.0 | 42.0# |



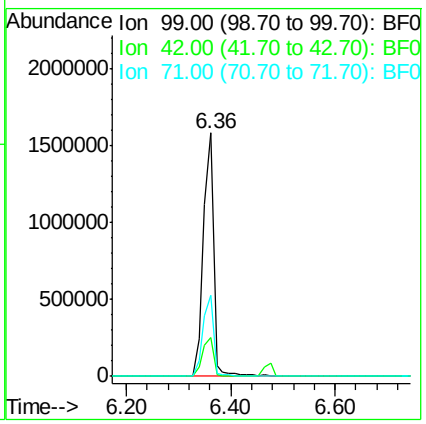


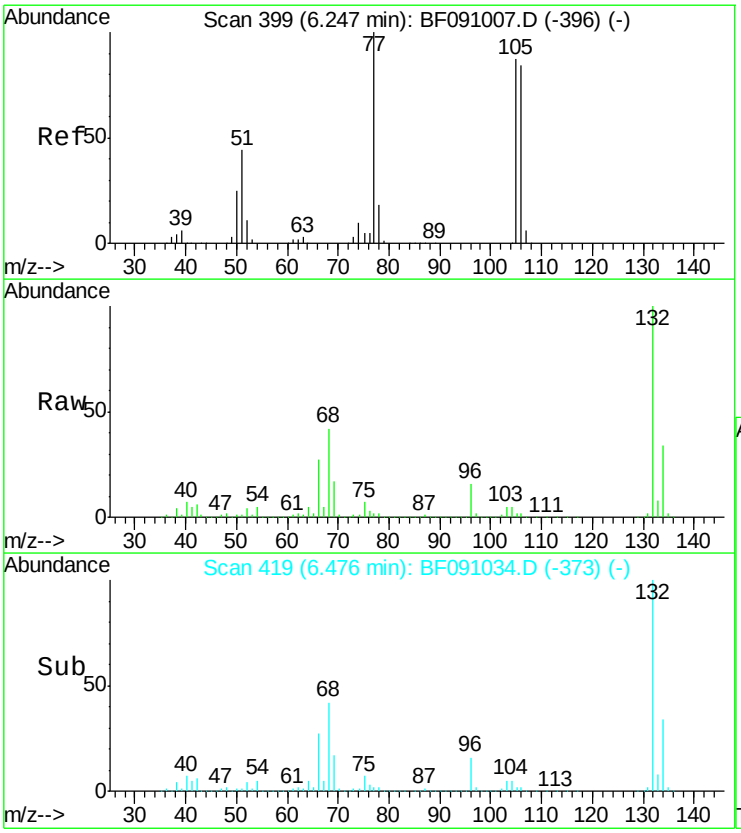

#7
Phenol-d6
Concen: 150.01 ng
RT: 6.36 min Scan# 409
Delta R.T. 0.01 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

**Instrument :**
BNA_F
**ClientSampleId :**
SB-98-4.5-5.0

Tgt Ion: 99 Resp: 2170202

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.9 | 13.9 | 20.9 |
| 71 | 33.4 | 27.8 | 41.8 |

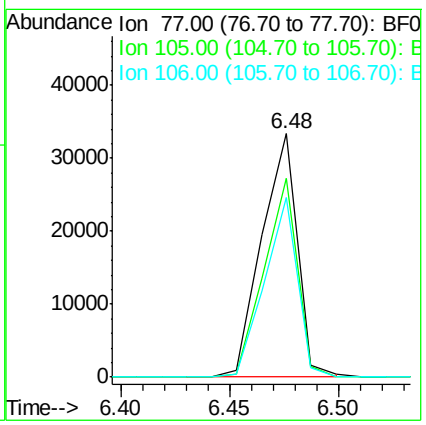


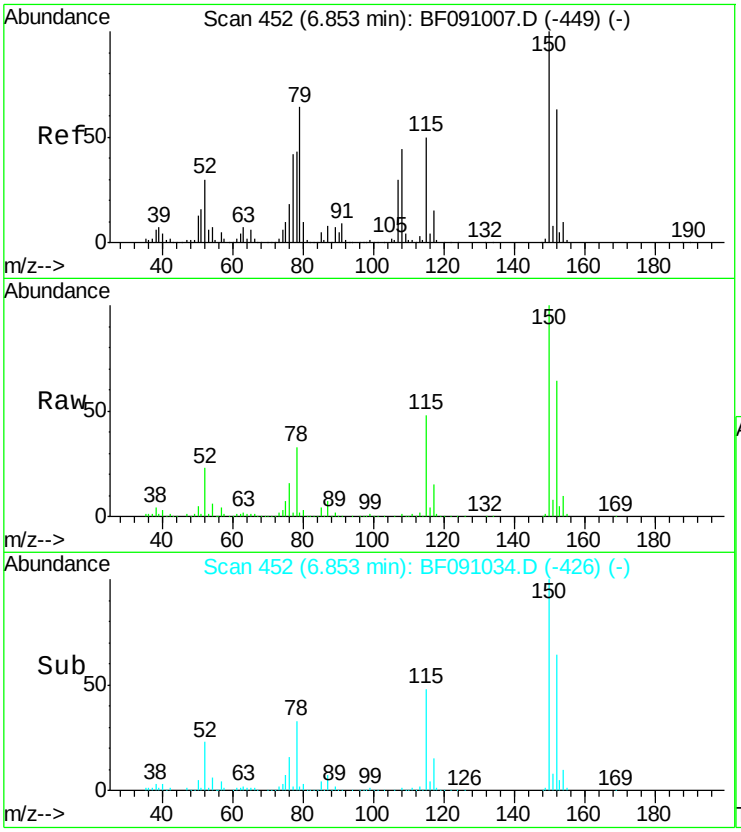




#9
Benzaldehyde
Concen: 4.78 ng
RT: 6.48 min Scan# 419
Delta R.T. 0.23 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

Tgt Ion: 77 Resp: 38394

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 81.6 | 66.8 | 106.8 |
| 106 | 73.7 | 64.0 | 104.0 |



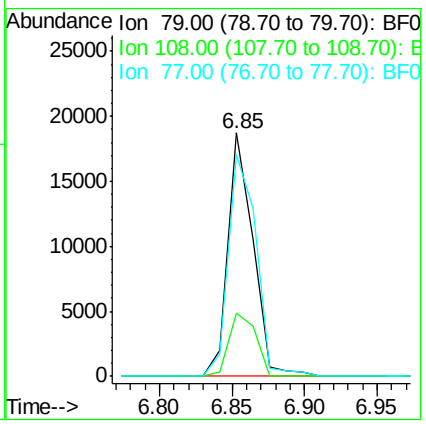


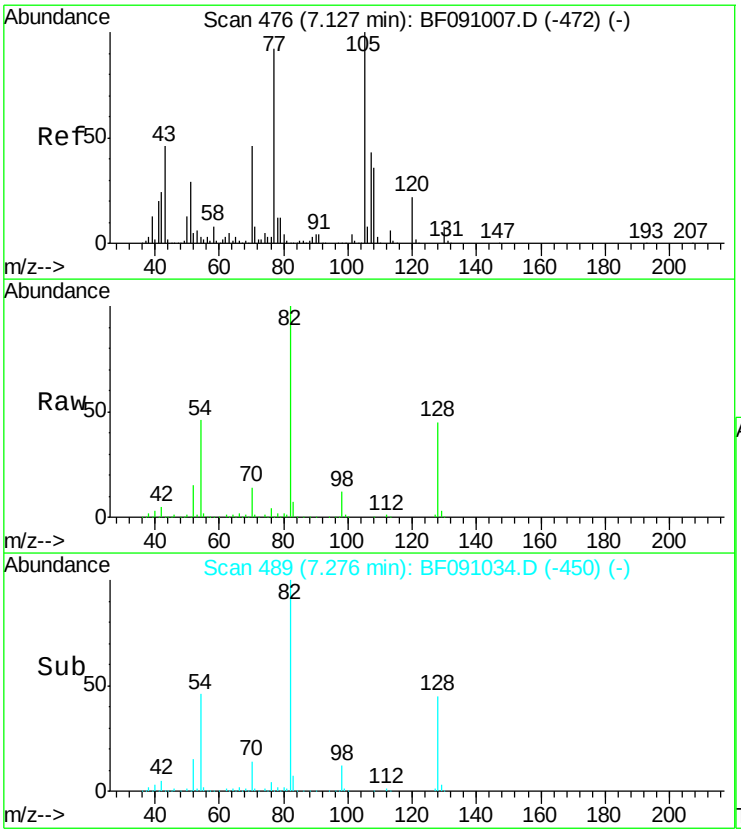

#15
Benzyl Alcohol
Concen: 2.20 ng
RT: 6.85 min Scan# 452
Delta R.T. 0.00 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

**Instrument :**
BNA_F
**ClientSampleId :**
SB-98-4.5-5.0

Tgt Ion: 79 Resp: 22428

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 26.2 | 55.7 | 83.5# |
| 77 | 91.2 | 52.6 | 79.0# |

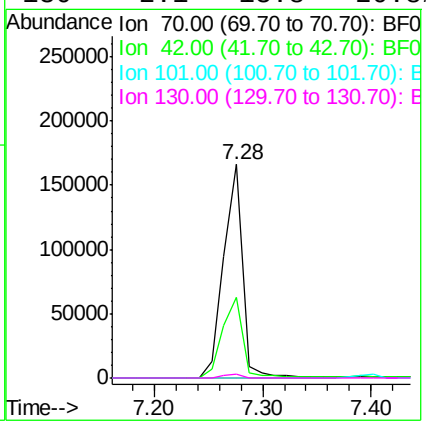


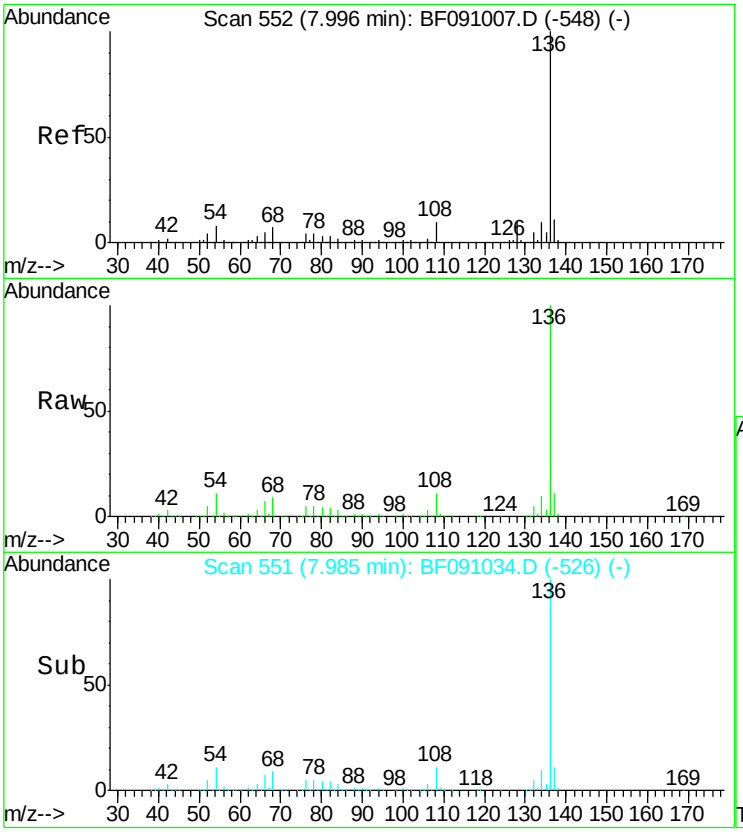




#19
n-Nitroso-di-n-propylamine
Concen: 20.26 ng
RT: 7.28 min Scan# 489
Delta R.T. 0.15 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

Tgt Ion: 70 Resp: 203106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 37.5 | 41.7 | 62.5# |
| 101 | 0.0 | 6.7 | 10.1# |
| 130 | 2.1 | 13.8 | 20.8# |



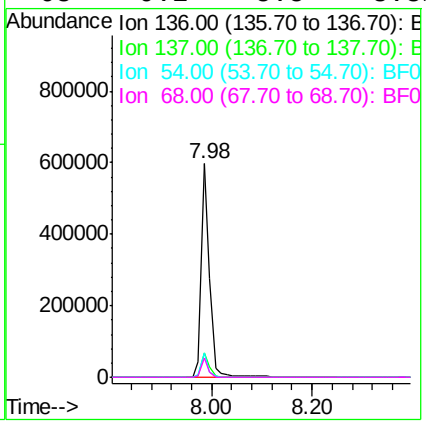


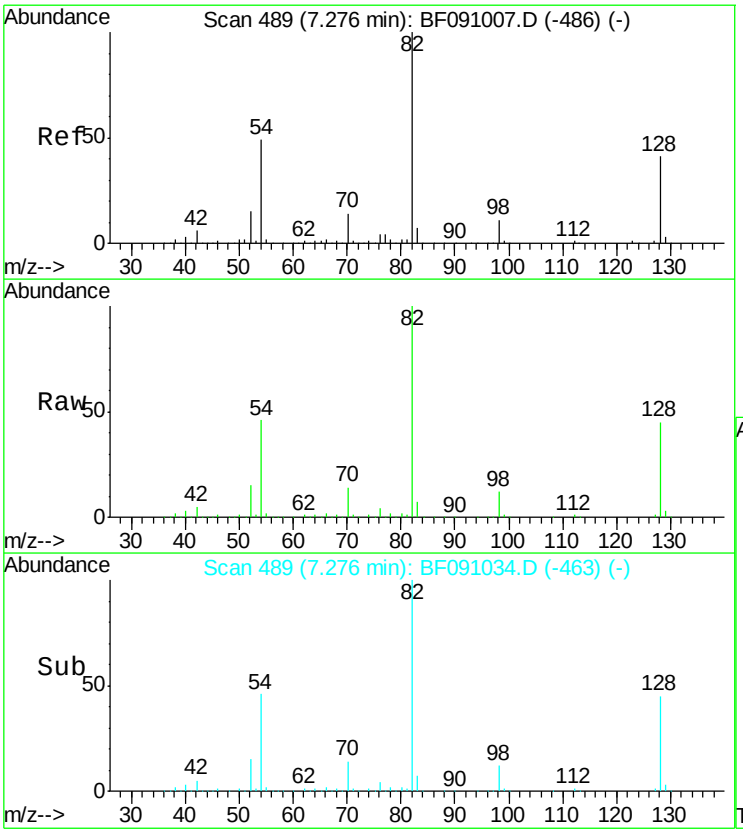

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 551
Delta R.T. -0.01 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

**Instrument :**
BNA_F
**ClientSampleId :**
SB-98-4.5-5.0

Tgt Ion:136 Resp: 682441

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 8.9 | 13.3 |
| 54 | 11.2 | 6.2 | 9.2# |
| 68 | 9.2 | 5.5 | 8.3# |

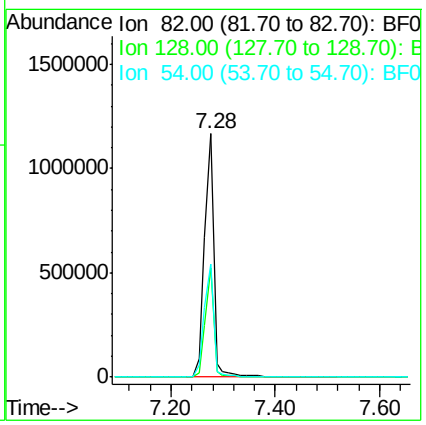


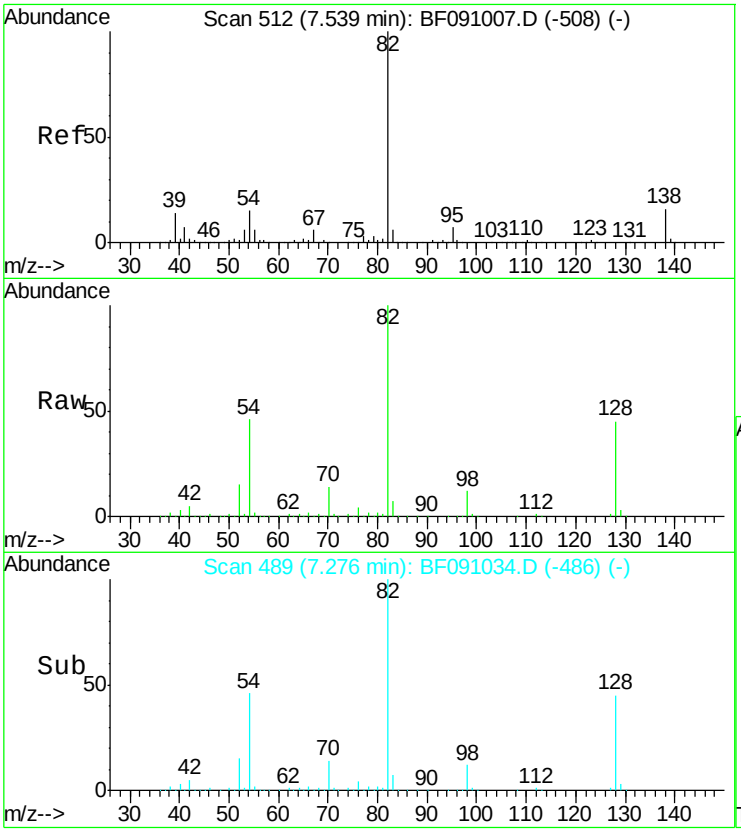




#23
Nitrobenzene-d5
Concen: 116.28 ng
RT: 7.28 min Scan# 489
Delta R.T. 0.00 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

Tgt Ion: 82 Resp: 1454673

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 45.0 | 32.4 | 48.6 |
| 54 | 46.5 | 39.2 | 58.8 |



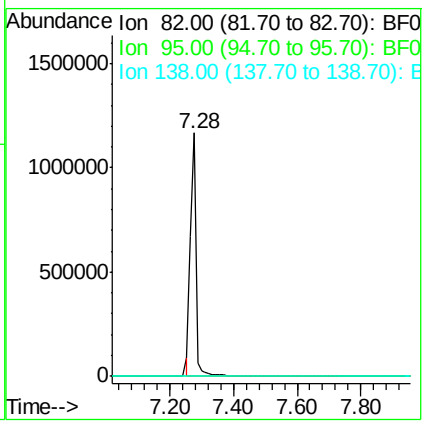


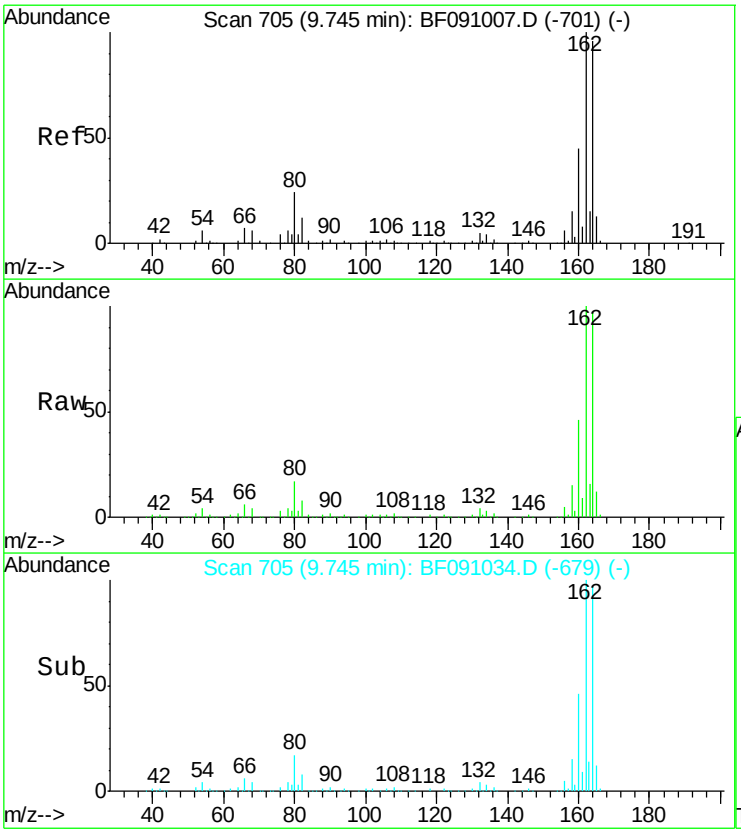

#25
Isophorone
Concen: 57.57 ng
RT: 7.28 min Scan# 489
Delta R.T. -0.26 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

**Instrument :**
BNA_F
**ClientSampleId :**
SB-98-4.5-5.0

Tgt Ion: 82 Resp: 1387895

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.4 | 8.0# |
| 138 | 0.0 | 13.0 | 19.4# |

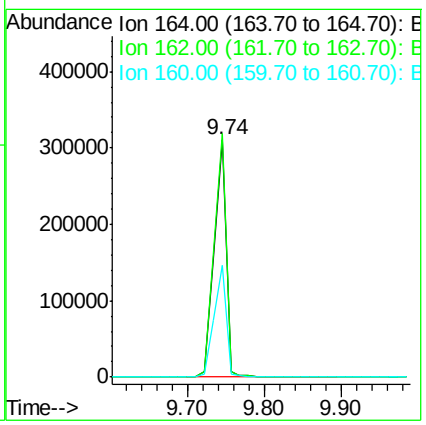


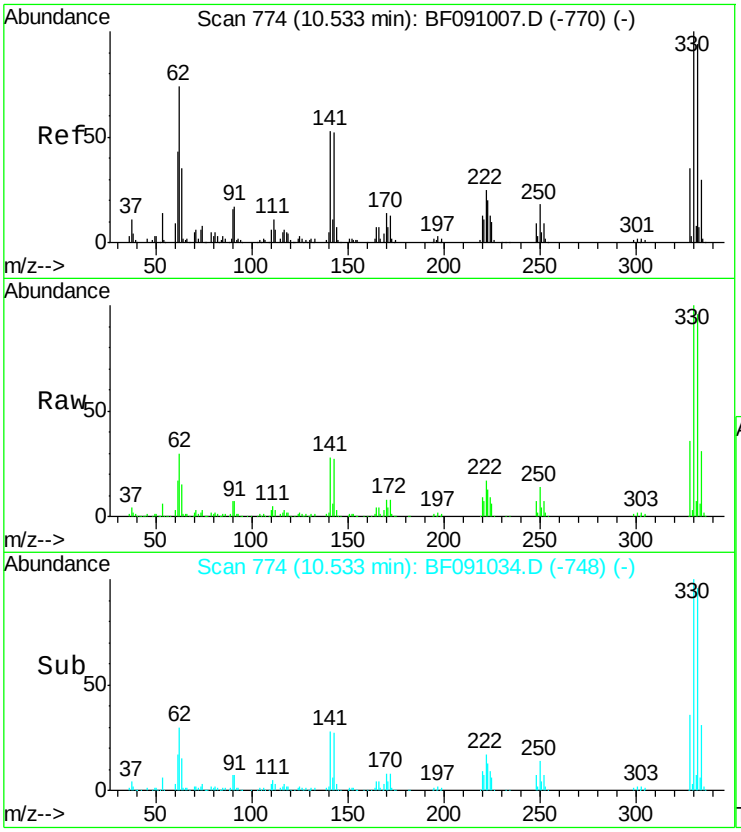




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 705
Delta R.T. 0.00 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

Tgt Ion:164 Resp: 336226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.6 | 83.6 | 125.4 |
| 160 | 47.1 | 37.9 | 56.9 |



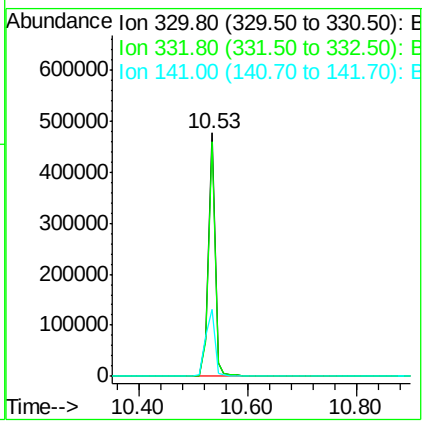


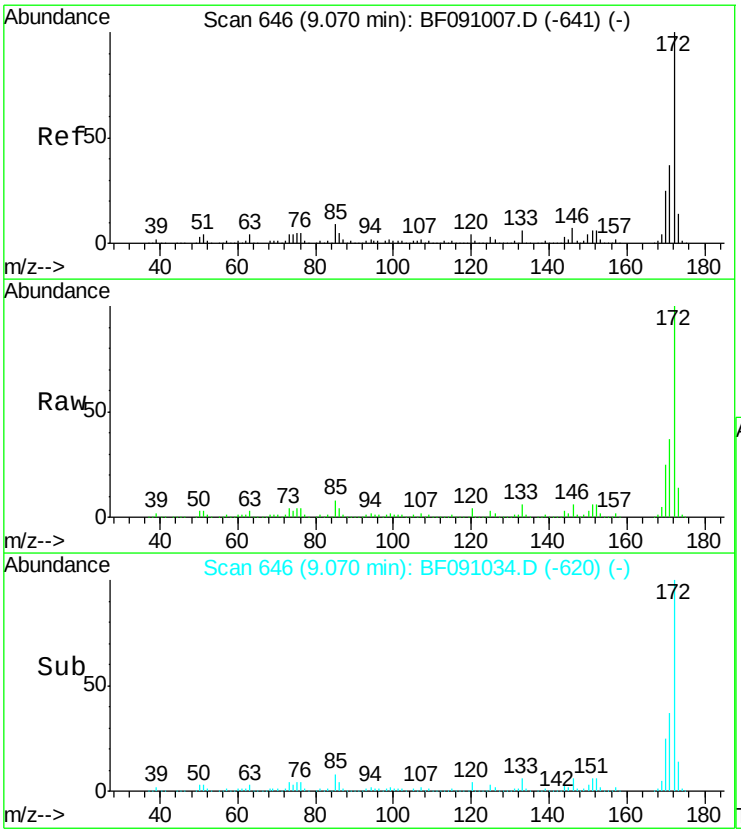

#41
2,4,6-Tribromophenol
Concen: 135.14 ng
RT: 10.53 min Scan# 774
Delta R.T. 0.00 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

**Instrument :**
BNA_F
**ClientSampleId :**
SB-98-4.5-5.0

Tgt Ion:330 Resp: 410771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.3 | 75.9 | 113.9 |
| 141 | 38.1 | 36.1 | 54.1 |

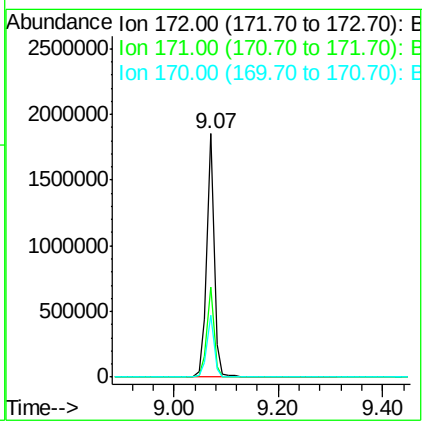


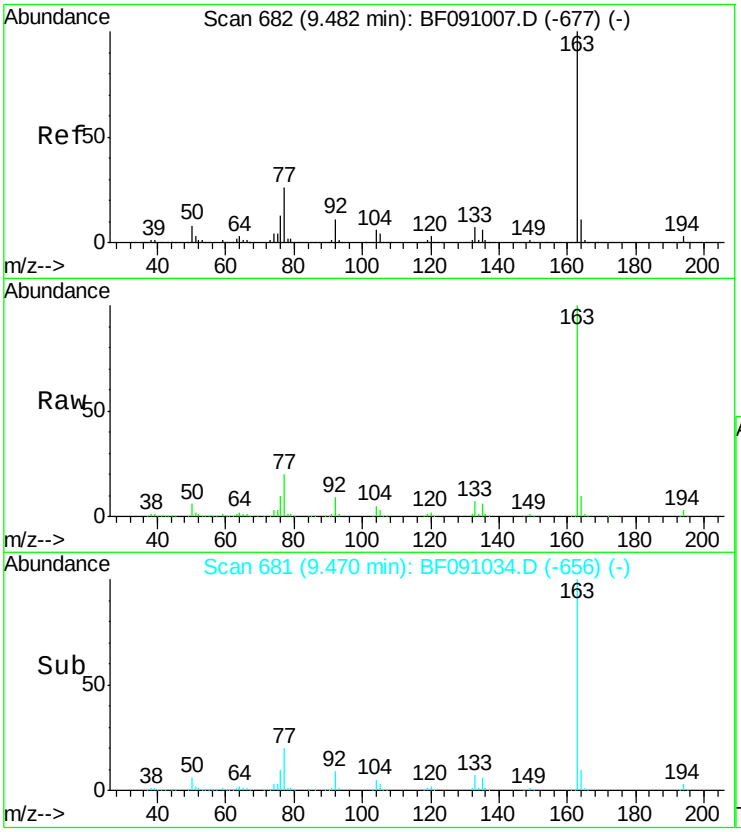




#44
2-Fluorobiphenyl
Concen: 93.65 ng
RT: 9.07 min Scan# 646
Delta R.T. 0.00 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

Tgt Ion:172 Resp: 1828990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 37.0 | 29.8 | 44.6 |
| 170 | 25.4 | 20.3 | 30.5 |



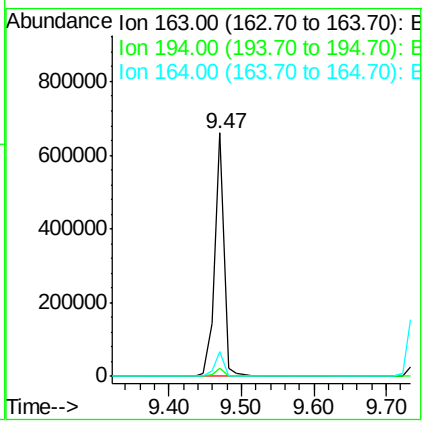


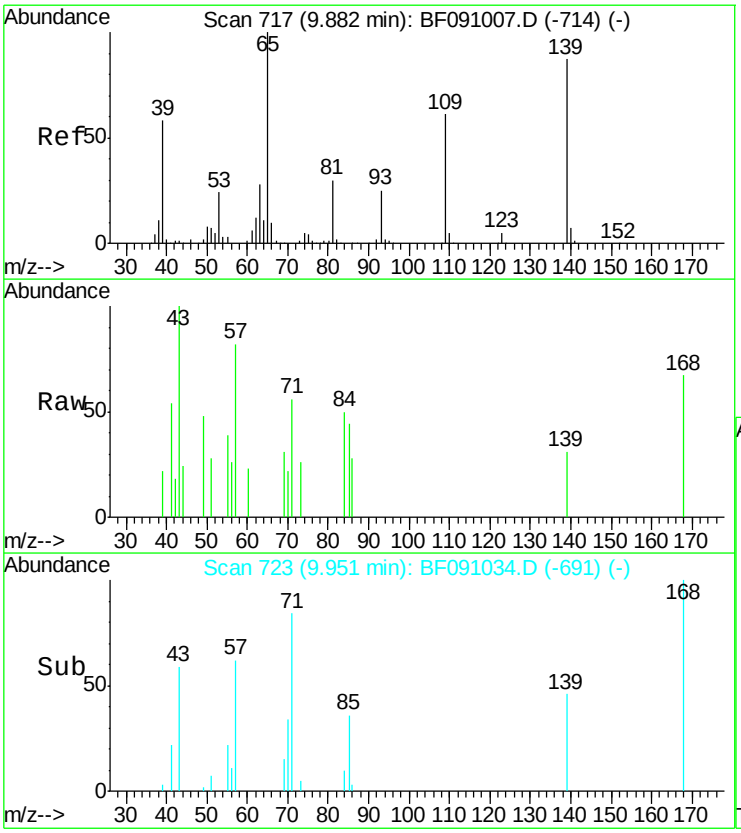

#49
Dimethylphthalate
Concen: 26.64 ng
RT: 9.47 min Scan# 681
Delta R.T. -0.01 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

**Instrument :**
BNA_F
**ClientSampleId :**
SB-98-4.5-5.0

Tgt Ion:163 Resp: 587253

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.4 | 2.6 | 4.0 |
| 164 | 10.2 | 8.7 | 13.1 |

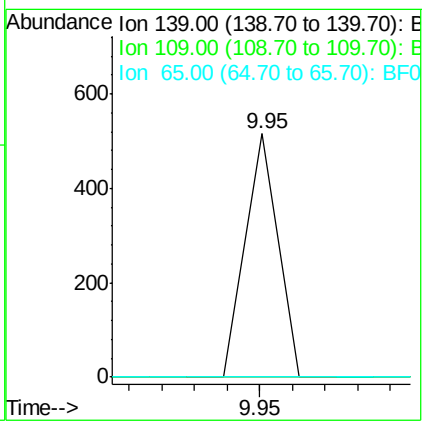


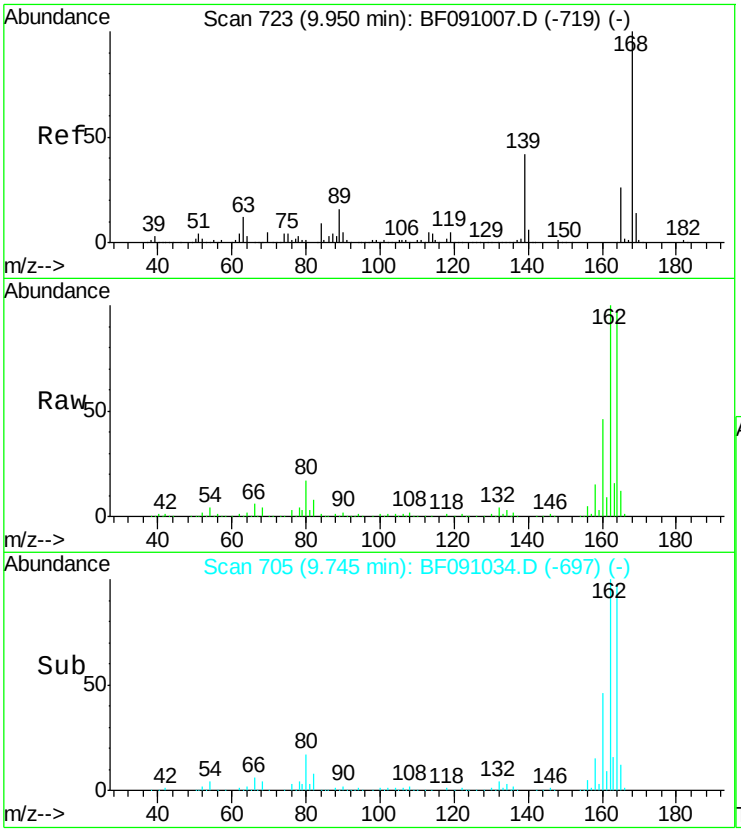




#55
4-Nitrophenol
Concen: 5.82 ng
RT: 9.95 min Scan# 723
Delta R.T. 0.07 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

Tgt Ion:139 Resp: 354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 0.0 | 50.5 | 90.5# |
| 65 | 0.0 | 97.1 | 137.1# |



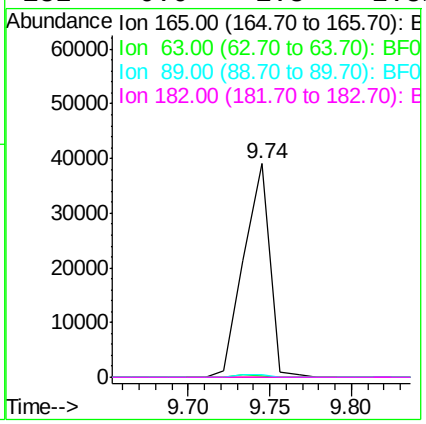


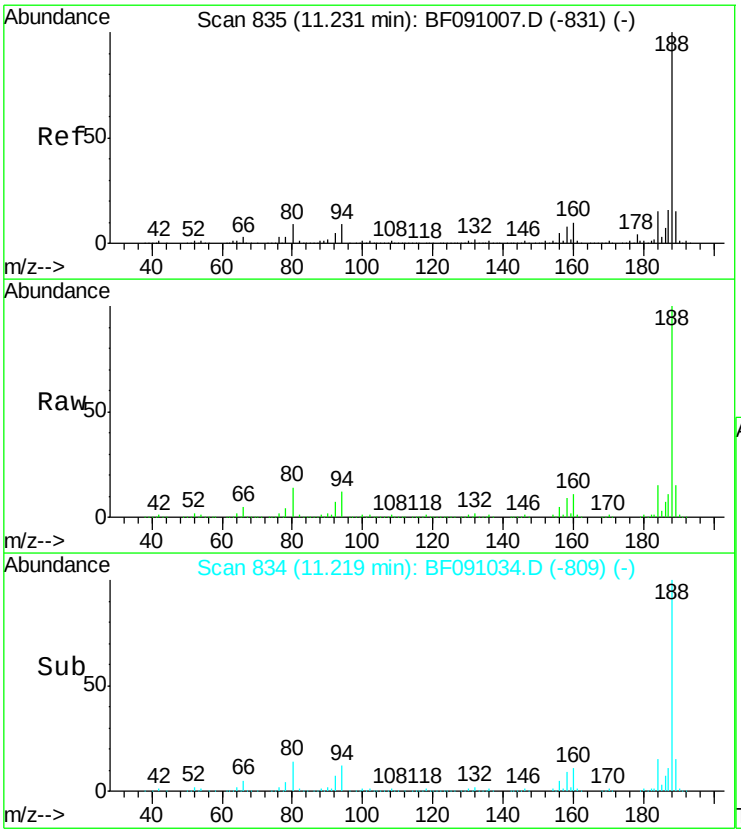

#56
2,4-Dinitrotoluene
Concen: 7.16 ng
RT: 9.74 min Scan# 705
Delta R.T. -0.21 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

**Instrument :**
BNA_F
**ClientSampleId :**
SB-98-4.5-5.0

Tgt Ion:165 Resp: 43048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.8 | 38.7 | 58.1# |
| 89 | 1.1 | 50.6 | 76.0# |
| 182 | 0.0 | 1.8 | 2.8# |

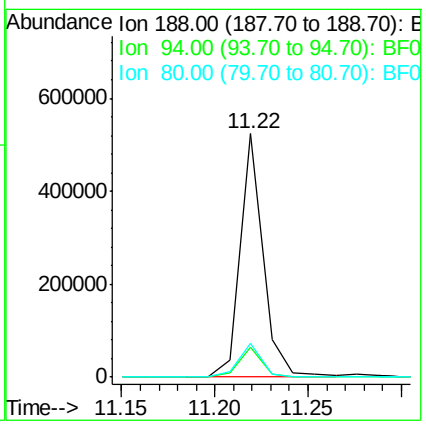


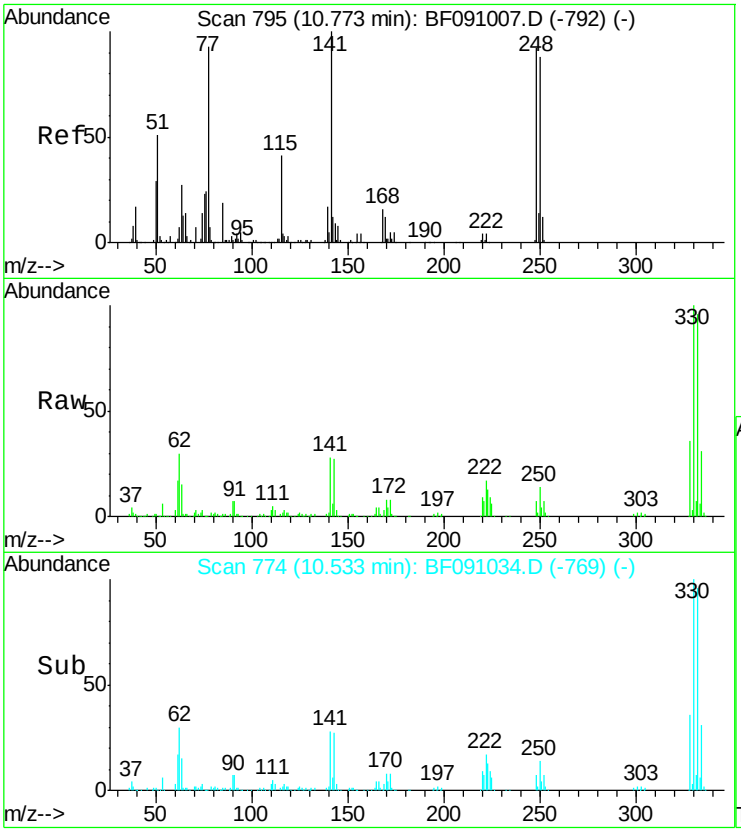




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 834
Delta R.T. -0.01 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

Tgt Ion:188 Resp: 452962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.4 | 7.0 | 10.4# |
| 80 | 14.0 | 7.5 | 11.3# |



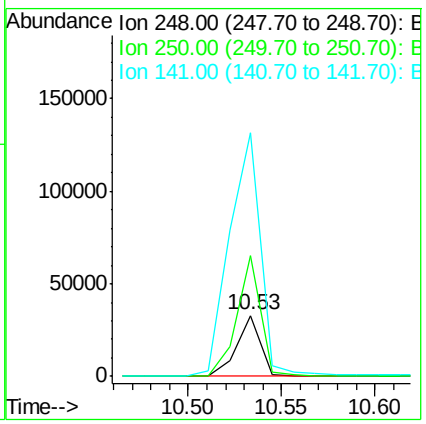


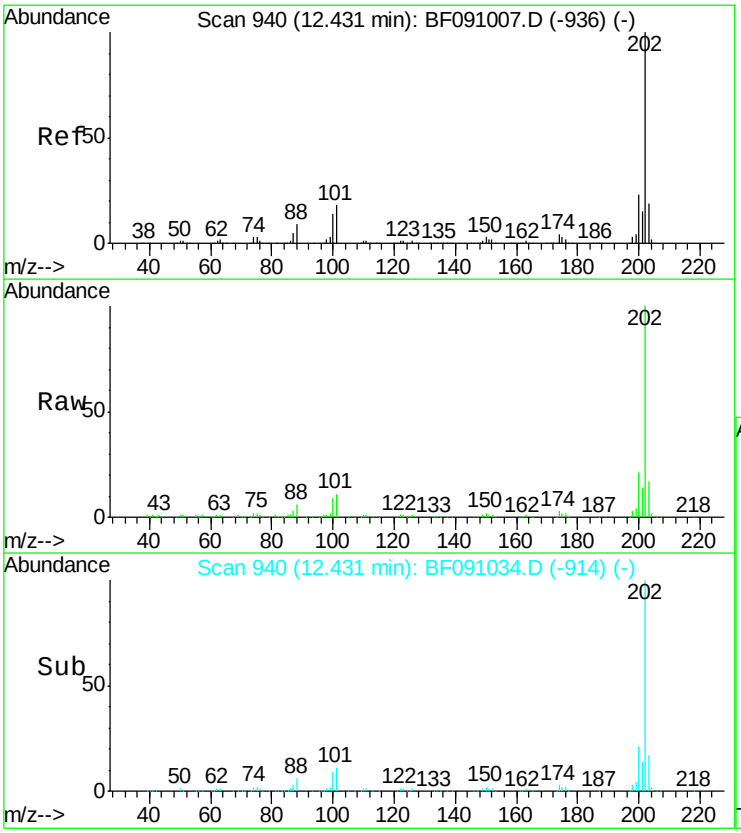

#66
4-Bromophenyl-phenylether
Concen: 6.22 ng
RT: 10.53 min Scan# 774
Delta R.T. -0.24 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

**Instrument :**
BNA_F
**ClientSampleId :**
SB-98-4.5-5.0

Tgt Ion:248 Resp: 29289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 199.2 | 76.3 | 114.5# |
| 141 | 402.1 | 86.8 | 130.2# |

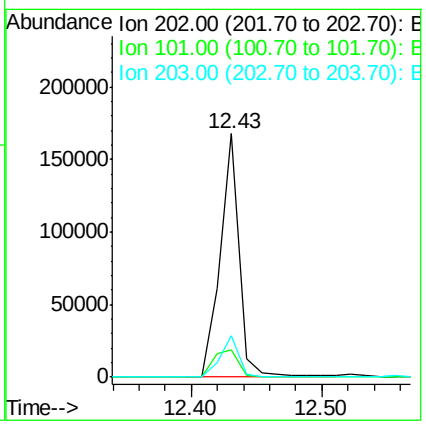


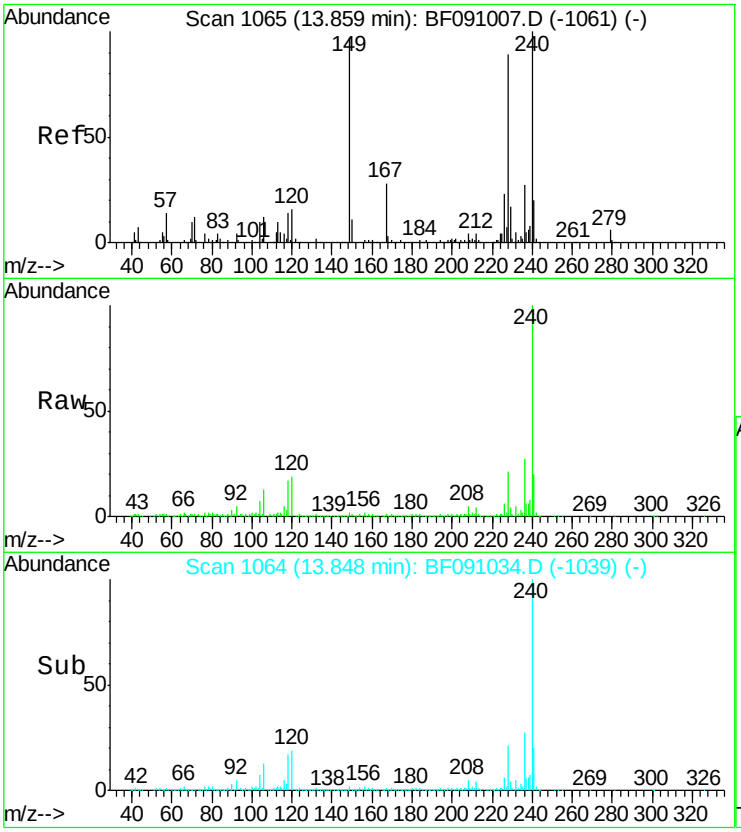




#74
Fluoranthene
Concen: 6.90 ng
RT: 12.43 min Scan# 940
Delta R.T. 0.00 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

Tgt Ion:202 Resp: 172249

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.0 | 0.0 | 37.6 |
| 203 | 16.9 | 0.0 | 38.6 |



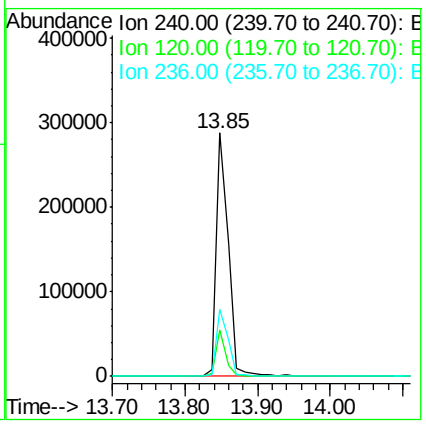


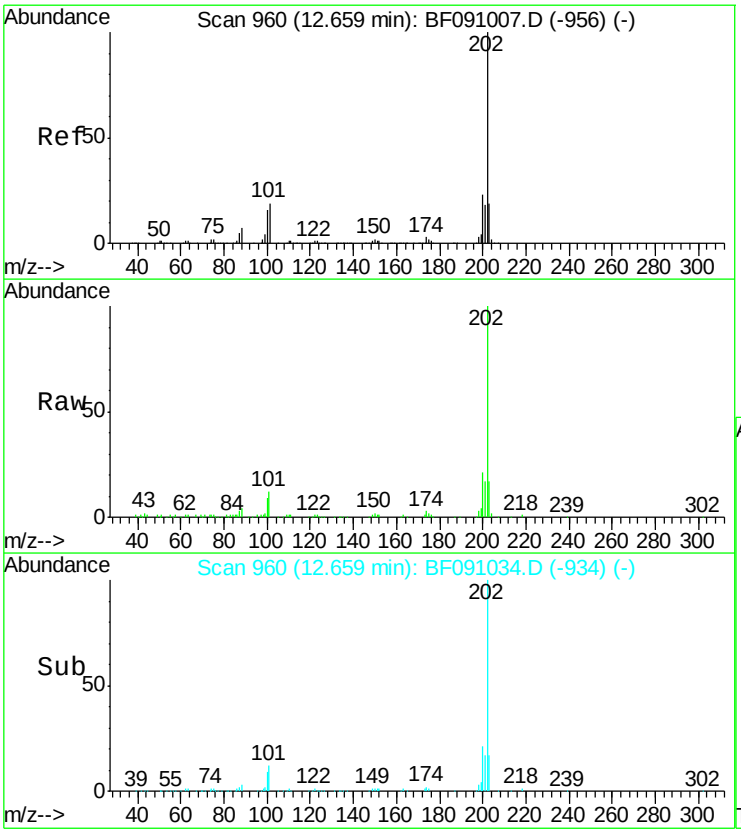

#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.85 min Scan# 1064
Delta R.T. -0.01 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

**Instrument :**
BNA_F
**ClientSampleId :**
SB-98-4.5-5.0

Tgt Ion:240 Resp: 329348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 18.9 | 12.9 | 19.3 |
| 236 | 27.5 | 21.9 | 32.9 |

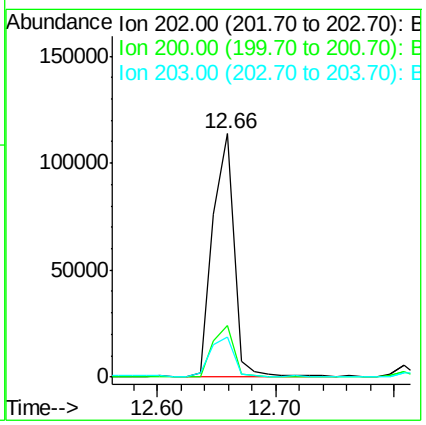


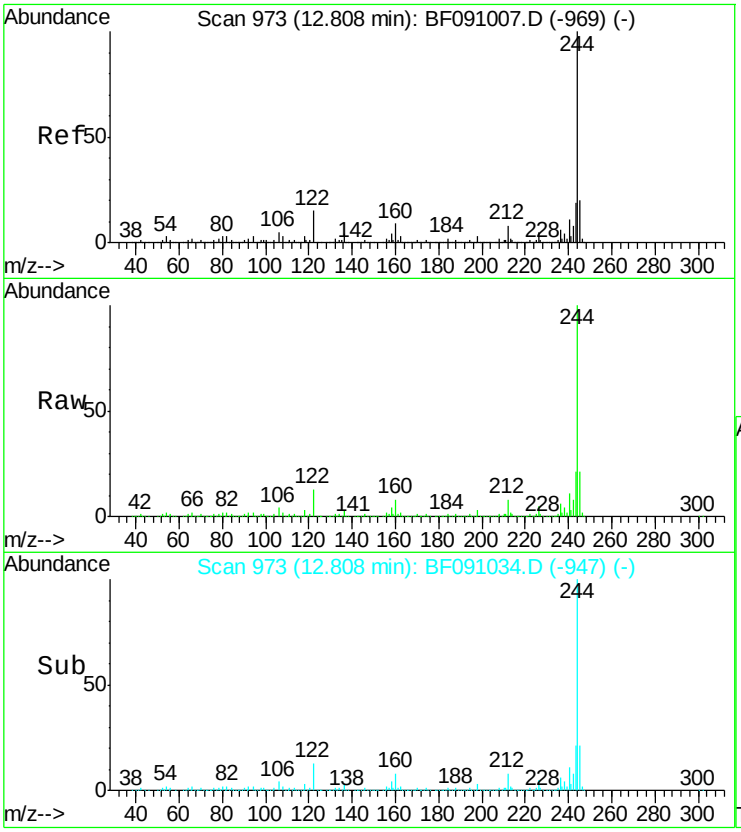




#77
Pyrene
Concen: 6.56 ng
RT: 12.66 min Scan# 960
Delta R.T. 0.00 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

Tgt Ion:202 Resp: 141450

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.0 | 18.4 | 27.6 |
| 203 | 16.5 | 15.0 | 22.6 |



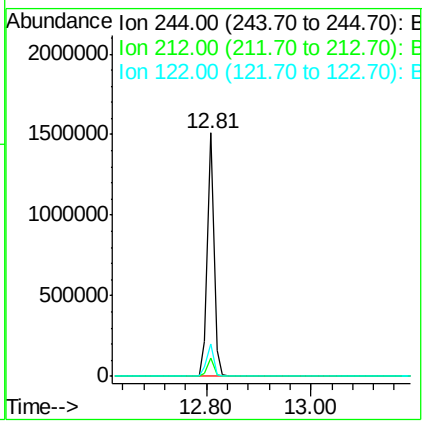


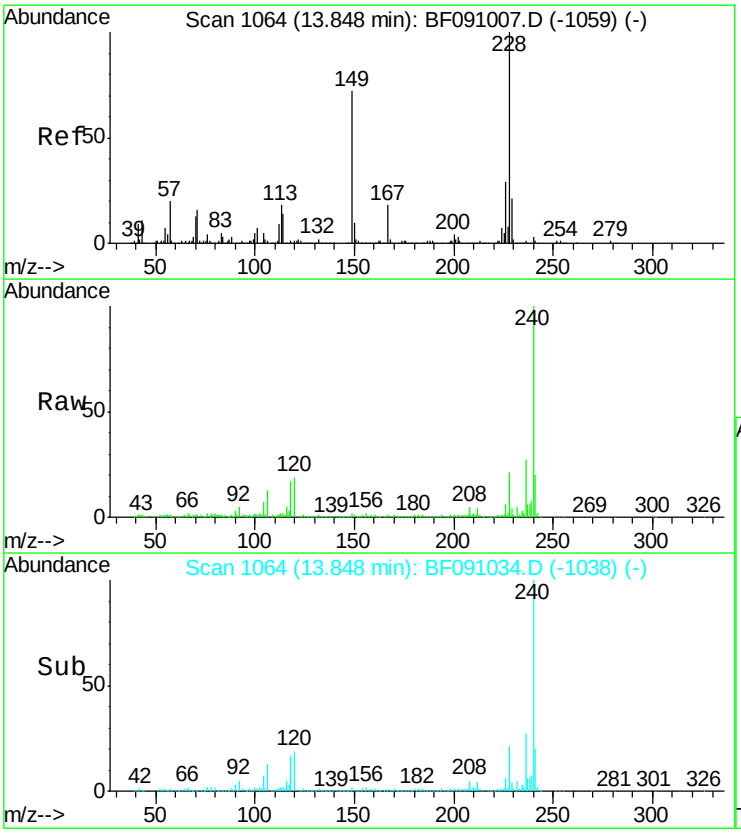

#78
Terphenyl-d14
Concen: 100.64 ng
RT: 12.81 min Scan# 973
Delta R.T. 0.00 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

**Instrument :**
BNA_F
**ClientSampleId :**
SB-98-4.5-5.0

Tgt Ion:244 Resp: 1328273

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.6 | 6.4 | 9.6 |
| 122 | 13.1 | 12.3 | 18.5 |

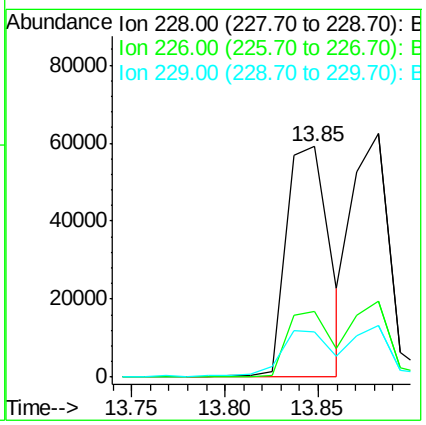


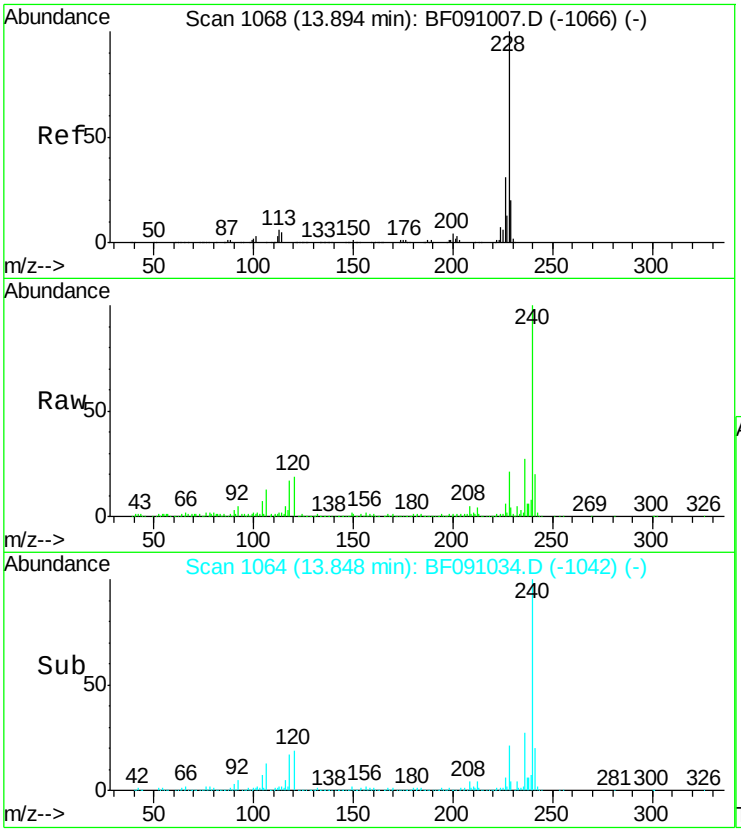




#80
Benzo(a)anthracene
Concen: 5.17 ng
RT: 13.85 min Scan# 1064
Delta R.T. 0.00 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

Tgt Ion:228 Resp: 96662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.7 | 23.0 | 34.6 |
| 229 | 19.8 | 16.6 | 24.8 |



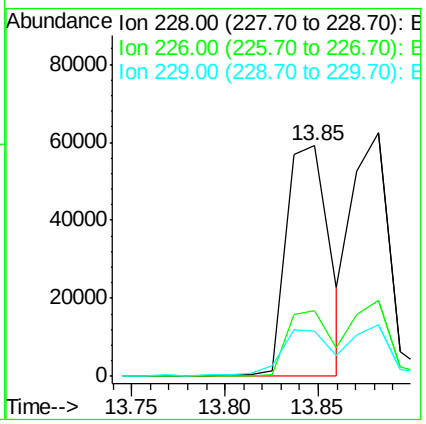


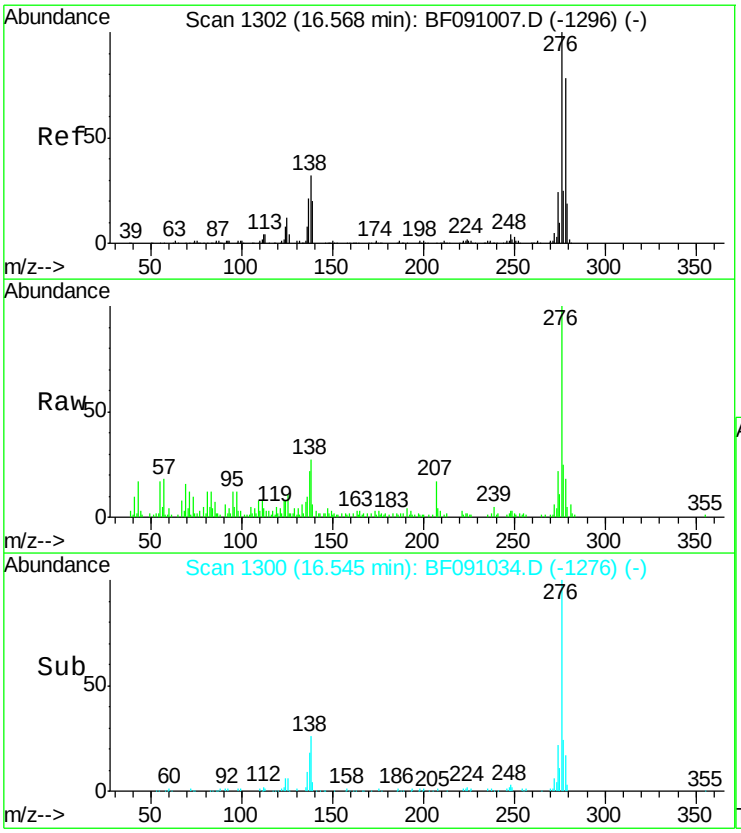

#82
Chrysene
Concen: 5.24 ng
RT: 13.85 min Scan# 1064
Delta R.T. -0.05 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

**Instrument :**
BNA_F
**ClientSampleId :**
SB-98-4.5-5.0

Tgt Ion:228 Resp: 96662

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.7 | 24.9 | 37.3 |
| 229 | 19.8 | 15.9 | 23.9 |

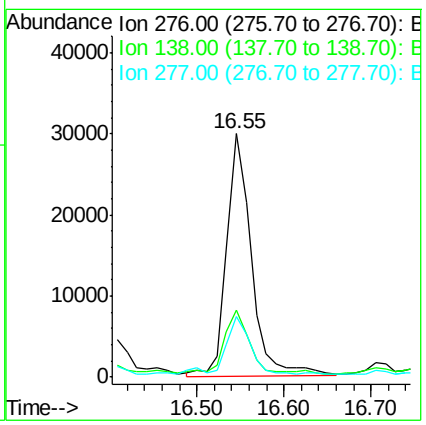


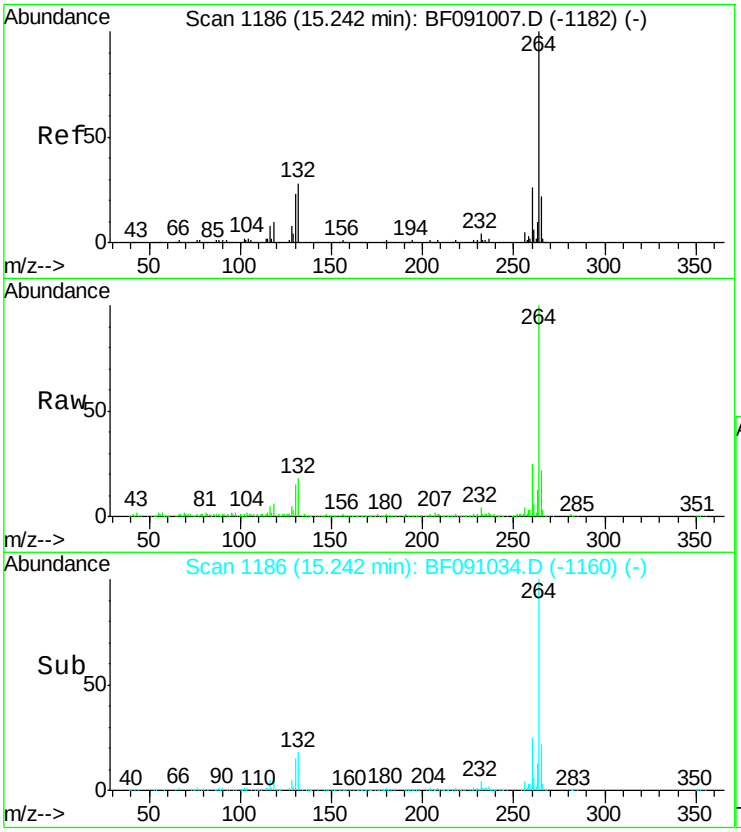




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.83 ng
RT: 16.55 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

Tgt Ion:276 Resp: 58560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.7 | 26.0 | 39.0 |
| 277 | 27.6 | 20.1 | 30.1 |



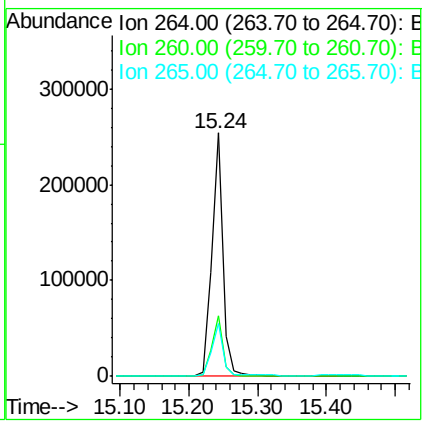


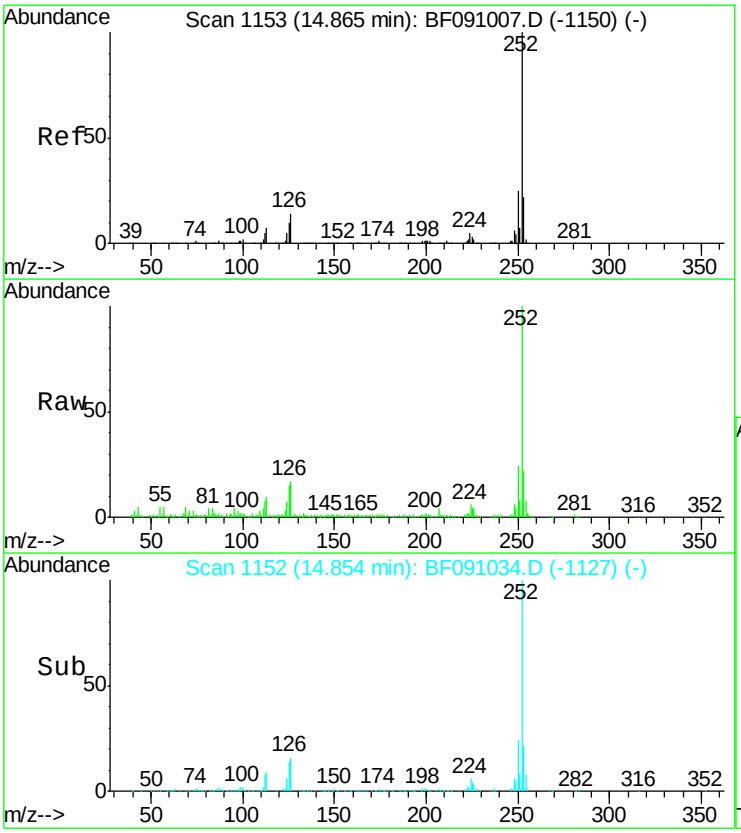

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.24 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

**Instrument :**
BNA_F
**ClientSampleId :**
SB-98-4.5-5.0

Tgt Ion:264 Resp: 294518

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.0 | 20.6 | 30.8 |
| 265 | 21.8 | 17.8 | 26.8 |

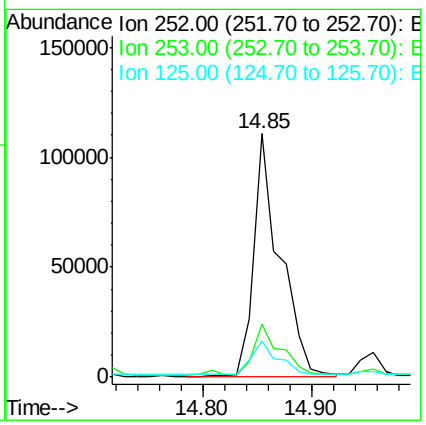


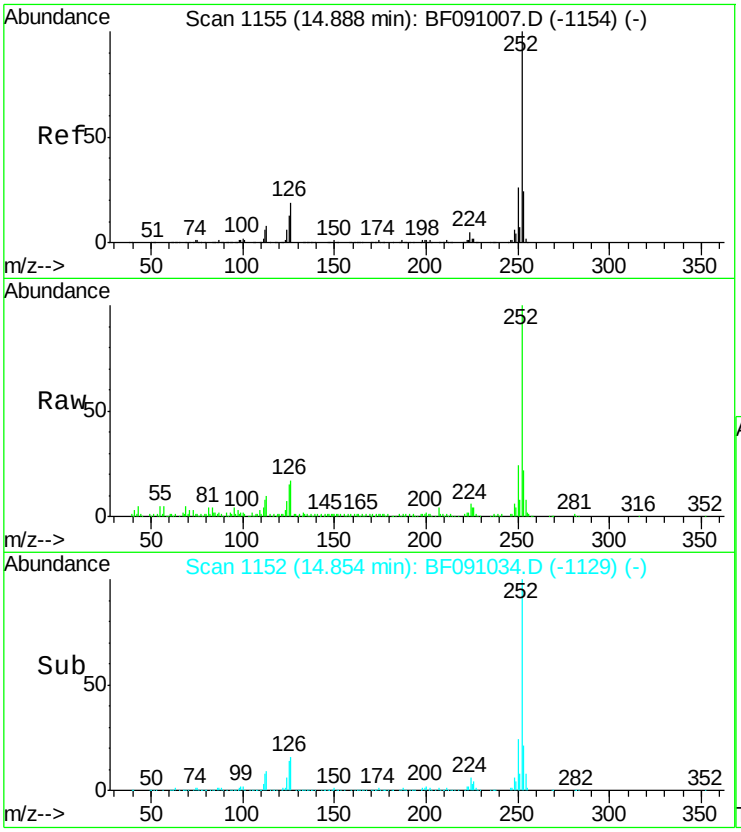




#87
Benzo(b)fluoranthene
Concen: 9.30 ng
RT: 14.85 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

Tgt Ion:252 Resp: 185862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 18.0 | 27.0 |
| 125 | 15.1 | 8.3 | 12.5# |



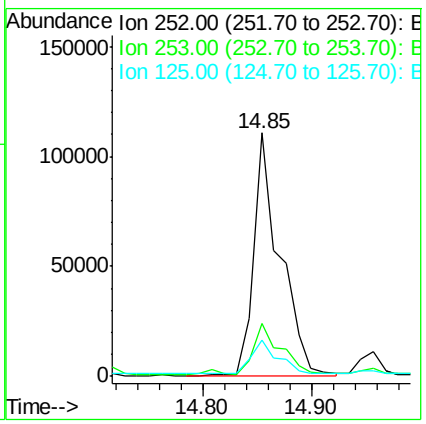


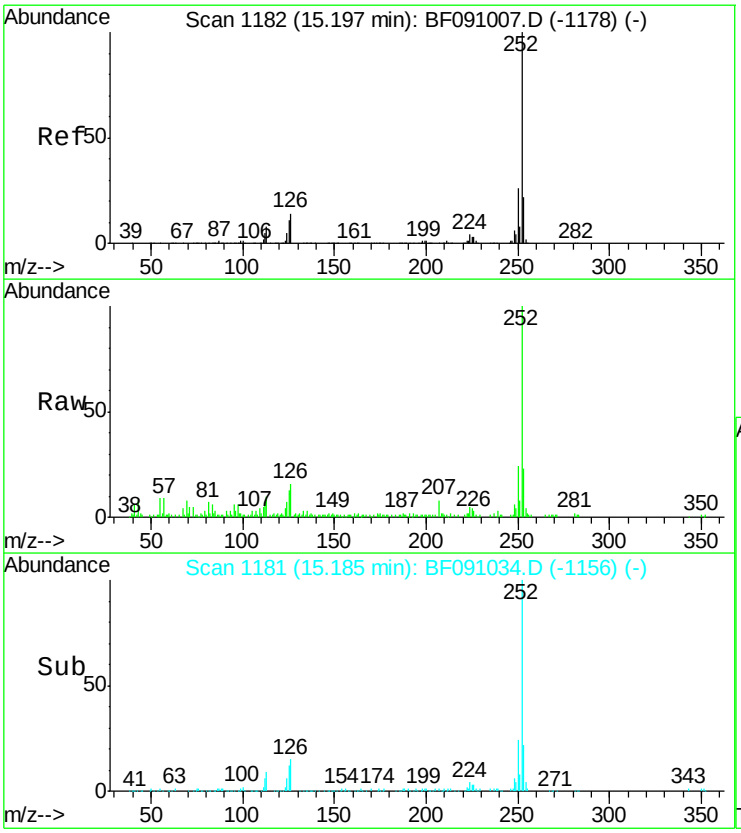

#88
Benzo(k)fluoranthene
Concen: 10.61 ng
RT: 14.85 min Scan# 1152
Delta R.T. -0.03 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

**Instrument :**
BNA_F
**ClientSampleId :**
SB-98-4.5-5.0

Tgt Ion:252 Resp: 185862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 21.9 | 18.6 | 28.0 |
| 125 | 15.1 | 11.2 | 16.8 |

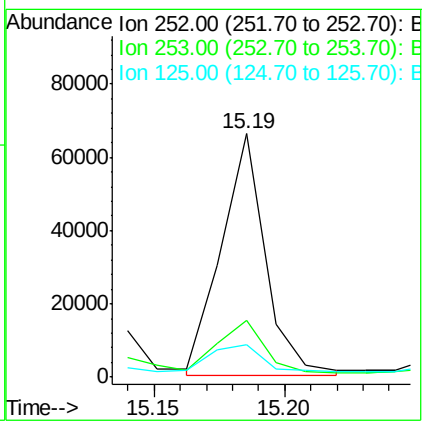


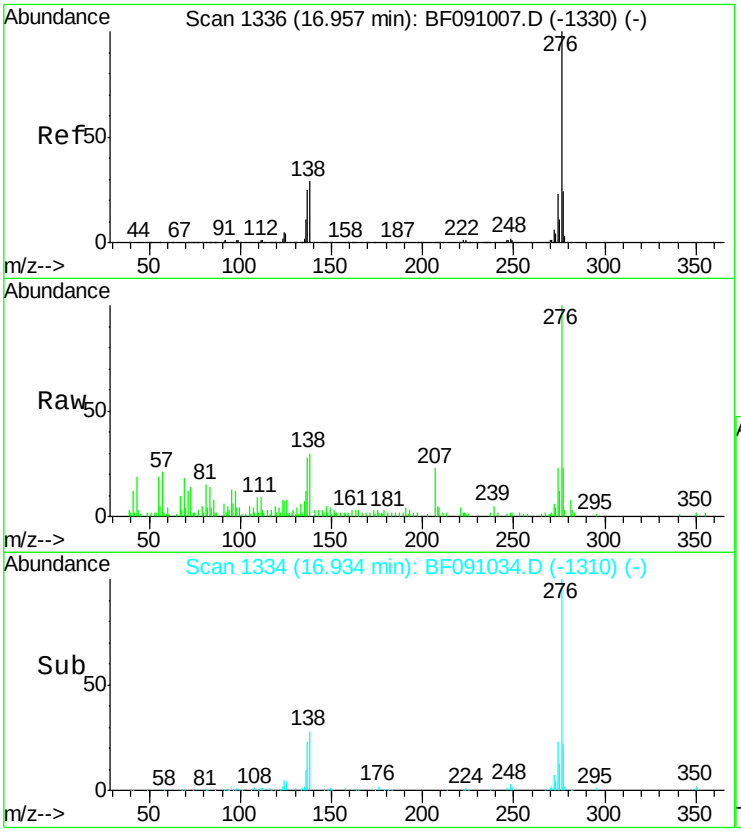




#89
Benzo(a)pyrene
Concen: 4.49 ng
RT: 15.19 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

Tgt Ion:252 Resp: 78148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.2 | 17.8 | 26.8 |
| 125 | 13.3 | 8.6 | 13.0# |






#91
Benzo(g,h,i)perylene
Concen: 4.05 ng
RT: 16.93 min Scan# 1334
Delta R.T. -0.02 min
Lab File: BF091034.D
Acq: 4 Nov 2016 21:35

**Instrument :**
BNA_F
**ClientSampleId :**
SB-98-4.5-5.0

Tgt Ion:276 Resp: 55030

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.3 | 19.2 | 28.8 |
| 138 | 29.7 | 23.3 | 34.9 |