Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072417\
Data File : BM010962.D
Acq On : 24 Jul 2017 13:53
Operator : SJ/JU
Sample : I4313-04RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_M
**ClientSampleId :**

Quant Time: Jul 24 16:25:59 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM071217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 12 14:21:16 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 7.42 | 152 | 254462 | 20.00 | ng | -0.03 |
| 21) Naphthalene-d8 | 10.18 | 136 | 900031 | 20.00 | ng | -0.03 |
| 38) Acenaphthene-d10 | 14.07 | 164 | 160035 | 20.00 | ng | -0.02 |
| 63) Phenanthrene-d10 | 16.83 | 188 | 895489 | 20.00 | ng | -0.02 |
| 75) Chrysene-d12 | 21.05 | 240 | 135771 | 20.00 | ng | -0.02 |
| 86) Perylene-d12 | 23.17 | 264 | 795 | 20.00 | ng | -0.03 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.07 | 112 | 1850779 | 120.48 | ng | -0.01 |
| 7) Phenol-d6 | 6.62 | 99 | 943061 | 44.53 | ng | -0.02 |
| 23) Nitrobenzene-d5 | 8.57 | 82 | 2202034 | 94.04 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 15.58 | 330 | 1310537 | 535.87 | ng | -0.02 |
| 44) 2-Fluorobiphenyl | 12.69 | 172 | 4141271 | 321.92 | ng | -0.02 |
| 78) Terphenyl-d14 | 19.49 | 244 | 4016366 | 572.14 | ng | -0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 87) Benzo(b)fluoranthene | 22.53 | 252 | 2134 | 42.258 | ng | # 1 |
| 88) Benzo(k)fluoranthene | 22.60 | 252 | 2022 | 41.921 | ng | # 1 |
| 89) Benzo(a)pyrene | 23.07 | 252 | 1436 | 31.241 | ng | # 14 |
| 90) Dibenzo(a,h)anthracene | 25.30 | 278 | 2967 | 66.506 | ng | # 42 |
| 91) Benzo(g,h,i)perylene | 25.90 | 276 | 899 | 20.499 | ng | # 46 |

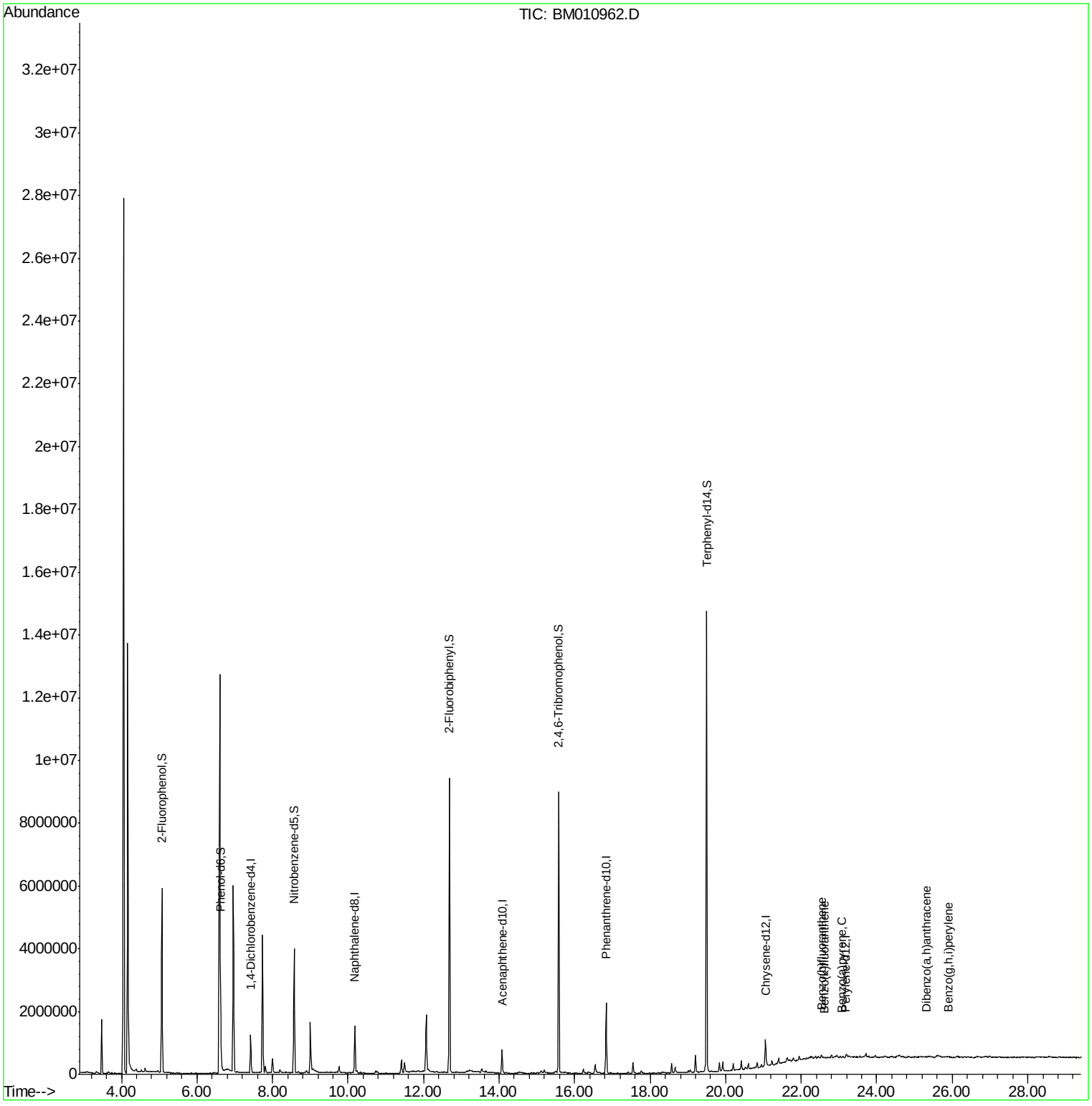
(#) = qualifier out of range (m) = manual integration (+) = signals summed

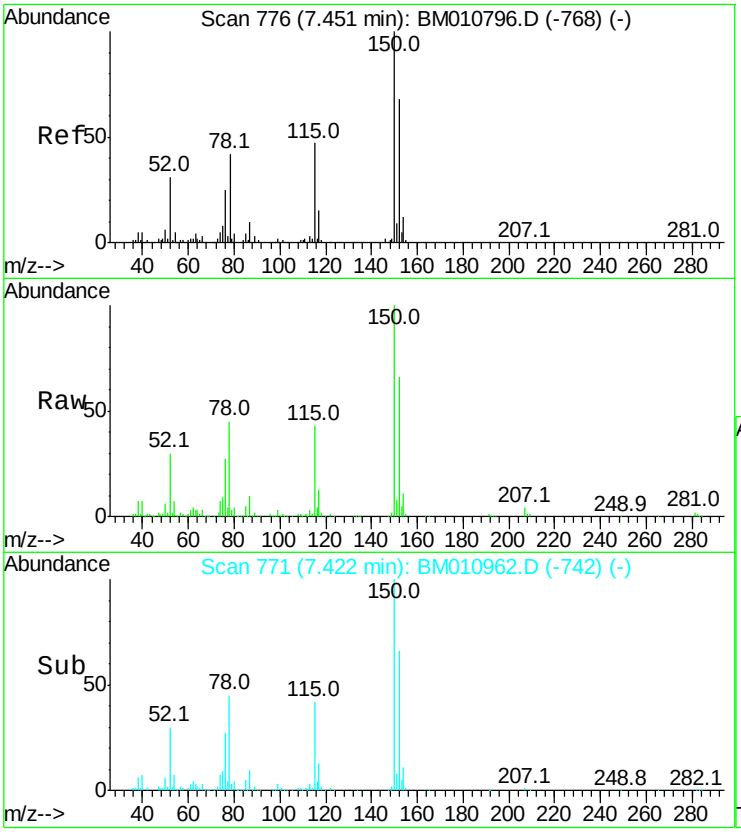
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072417\
Data File : BM010962.D
Acq On : 24 Jul 2017 13:53
Operator : SJ/JU
Sample : I4313-04RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_M
**ClientSampleId :**

Quant Time: Jul 24 16:25:59 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM071217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 12 14:21:16 2017
Response via : Initial Calibration



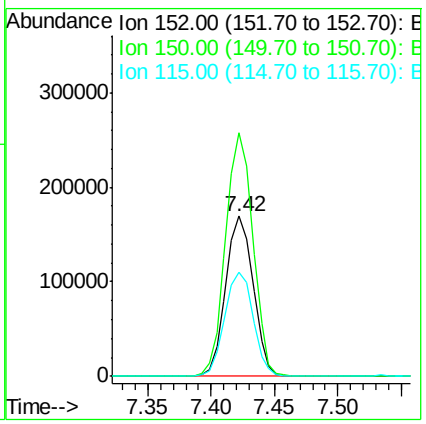


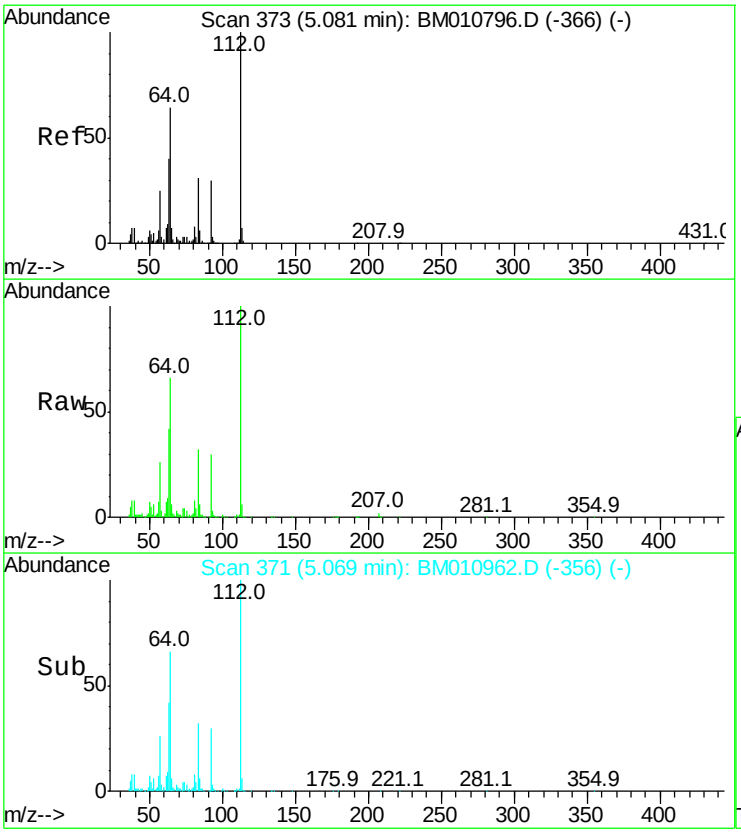

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.42 min Scan# 771
Delta R.T. -0.03 min
Lab File: BM010962.D
Acq: 24 Jul 2017 13:53

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:152 Resp: 254462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 152.1 | 119.5 | 179.3 |
| 115 | 64.9 | 43.0 | 64.4# |

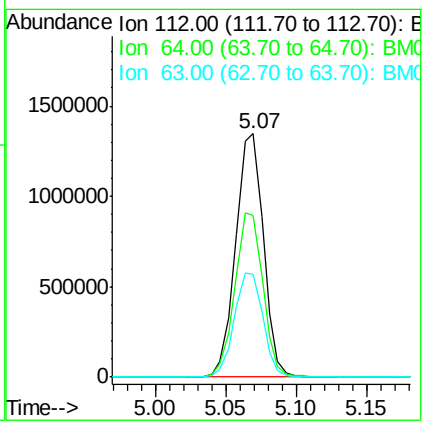


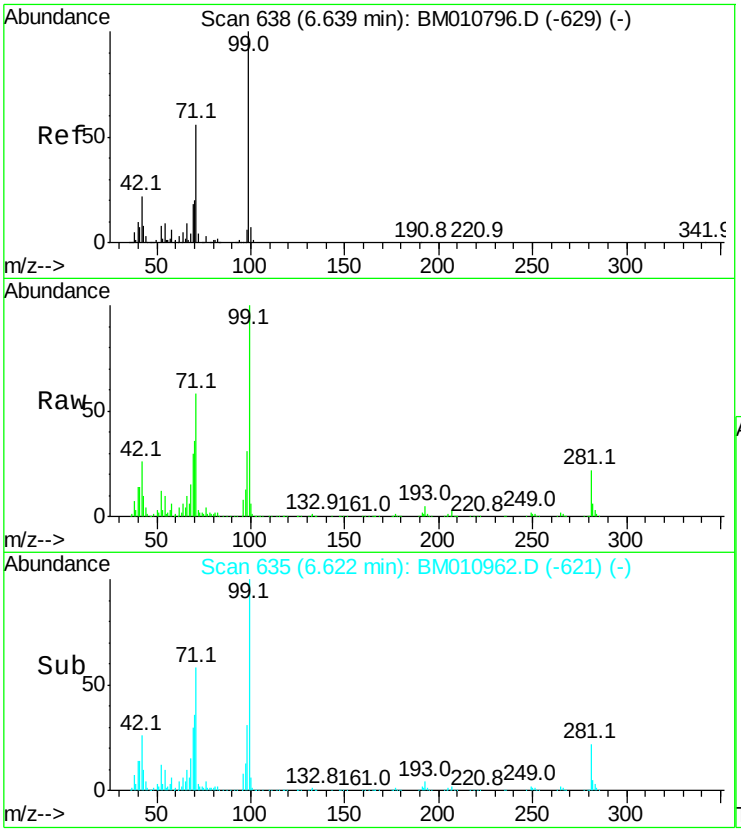




#5
2-Fluorophenol
Concen: 120.482 ng
RT: 5.07 min Scan# 371
Delta R.T. -0.01 min
Lab File: BM010962.D
Acq: 24 Jul 2017 13:53

Tgt Ion:112 Resp: 1850779

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 66.3 | 38.6 | 57.8# |
| 63 | 42.2 | 19.3 | 28.9# |



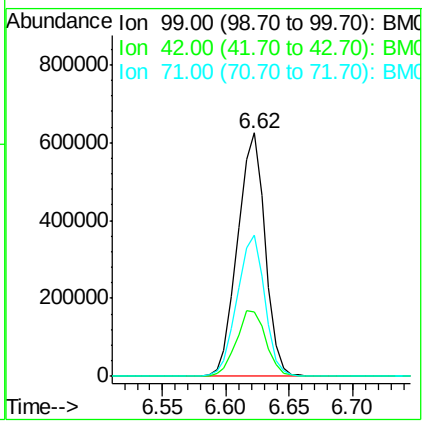


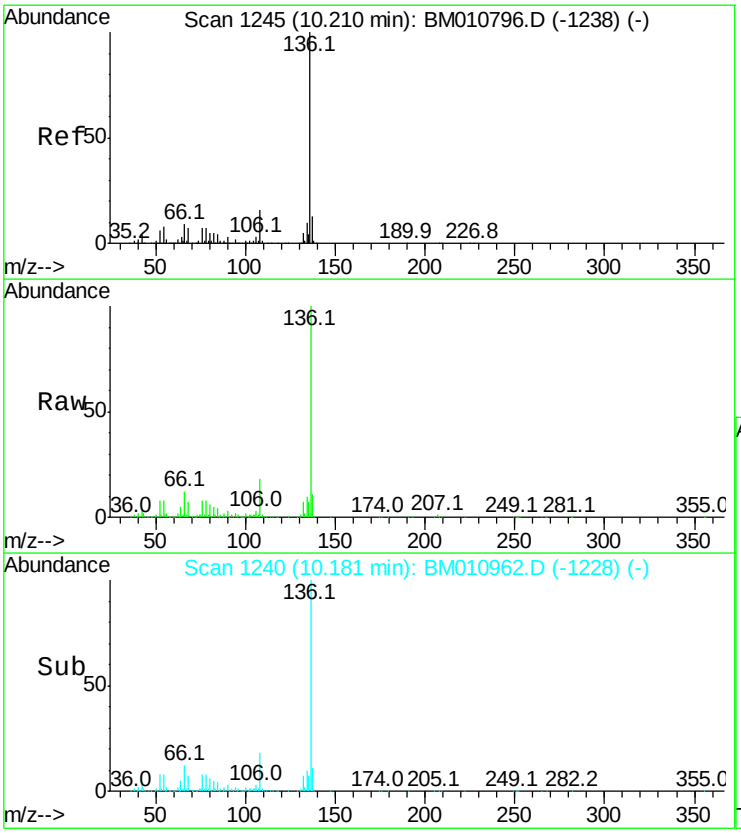

#7
Phenol-d6
Concen: 44.532 ng
RT: 6.62 min Scan# 635
Delta R.T. -0.02 min
Lab File: BM010962.D
Acq: 24 Jul 2017 13:53

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion: 99 Resp: 943061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 26.2 | 11.0 | 16.4# |
| 71 | 58.1 | 23.4 | 35.2# |

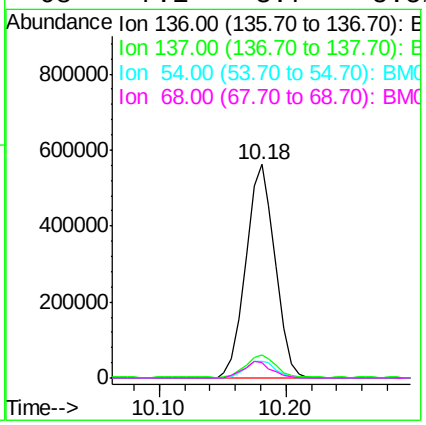


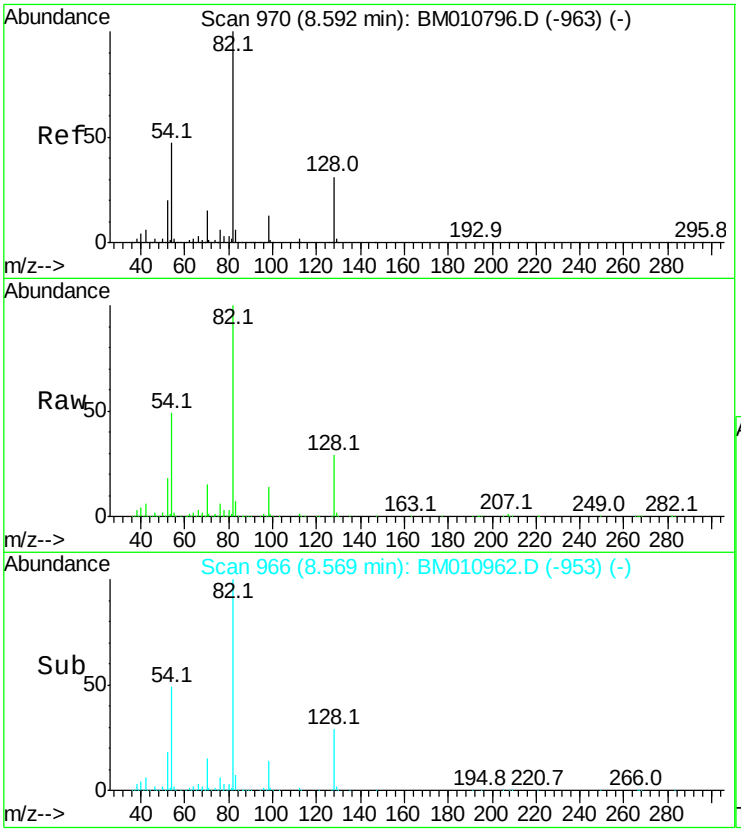




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.18 min Scan# 1240
Delta R.T. -0.03 min
Lab File: BM010962.D
Acq: 24 Jul 2017 13:53

Tgt Ion:136 Resp: 900031

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.7 | 13.1 |
| 54 | 7.7 | 4.6 | 6.8# |
| 68 | 7.1 | 3.7 | 5.5# |



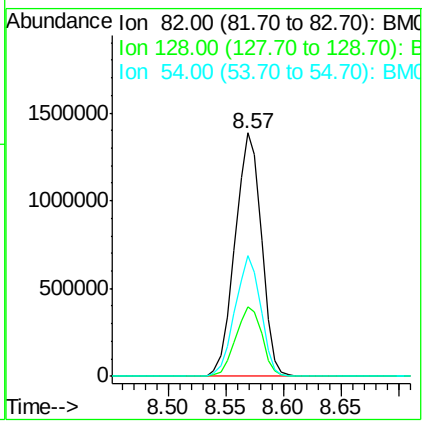


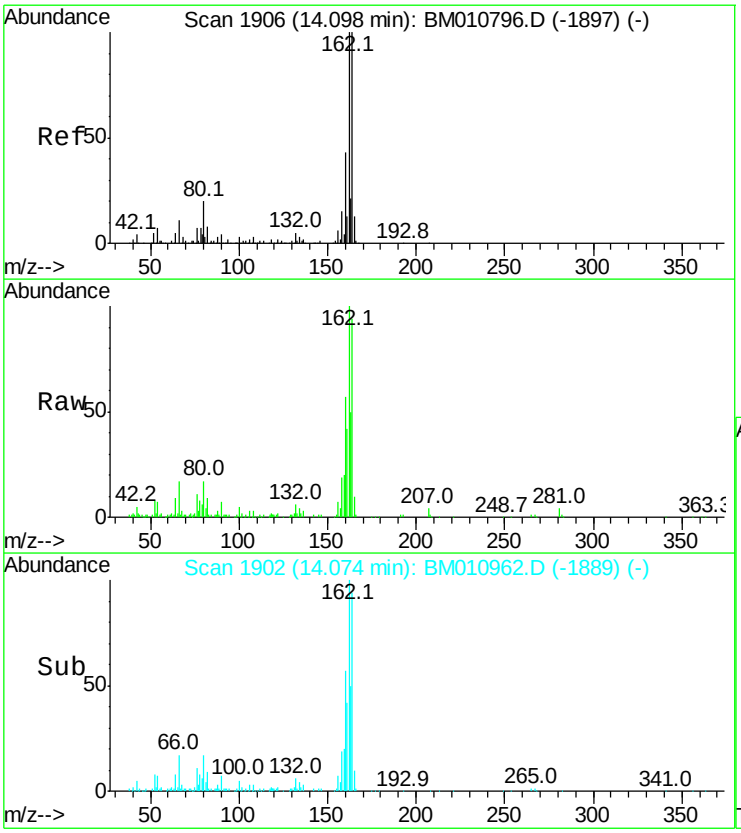

#23
Nitrobenzene-d5
Concen: 94.042 ng
RT: 8.57 min Scan# 966
Delta R.T. -0.02 min
Lab File: BM010962.D
Acq: 24 Jul 2017 13:53

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion: 82 Resp: 2202034

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 28.5 | 32.8 | 49.2# |
| 54 | 49.4 | 40.6 | 60.8 |

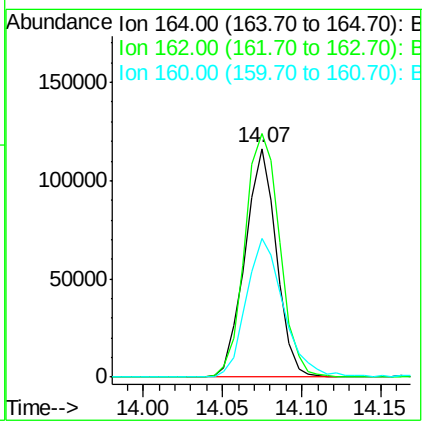


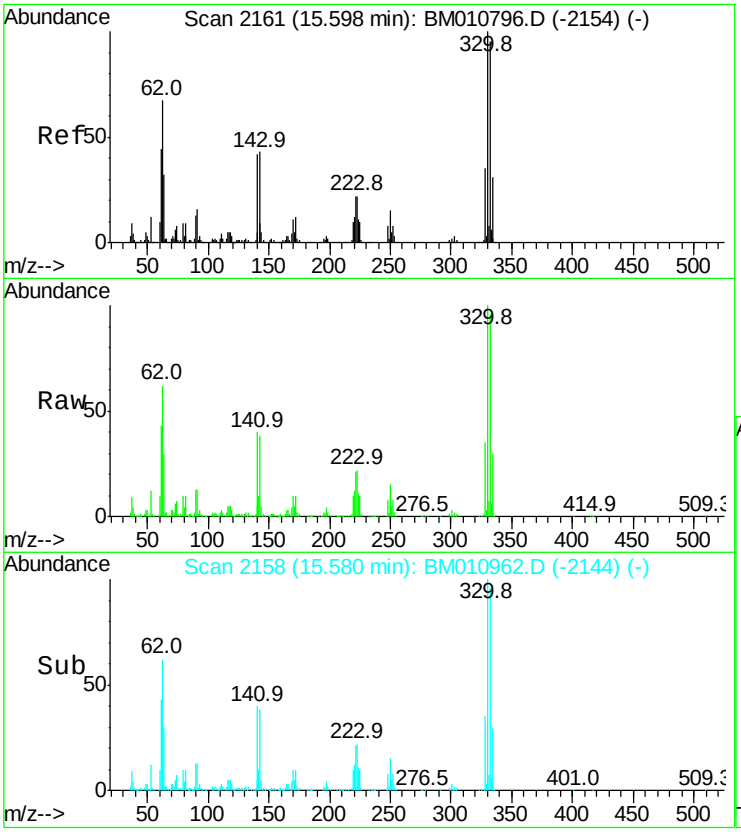




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.07 min Scan# 1902
Delta R.T. -0.02 min
Lab File: BM010962.D
Acq: 24 Jul 2017 13:53

Tgt Ion:164 Resp: 160035

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.6 | 82.4 | 123.6 |
| 160 | 60.7 | 35.8 | 53.6# |



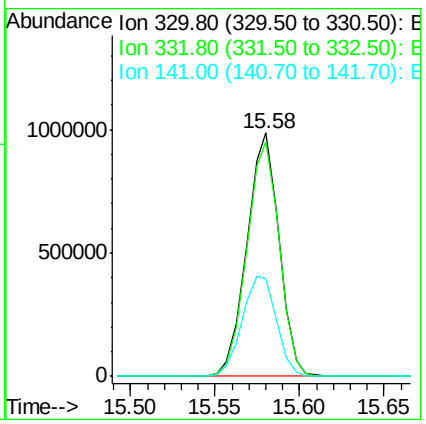


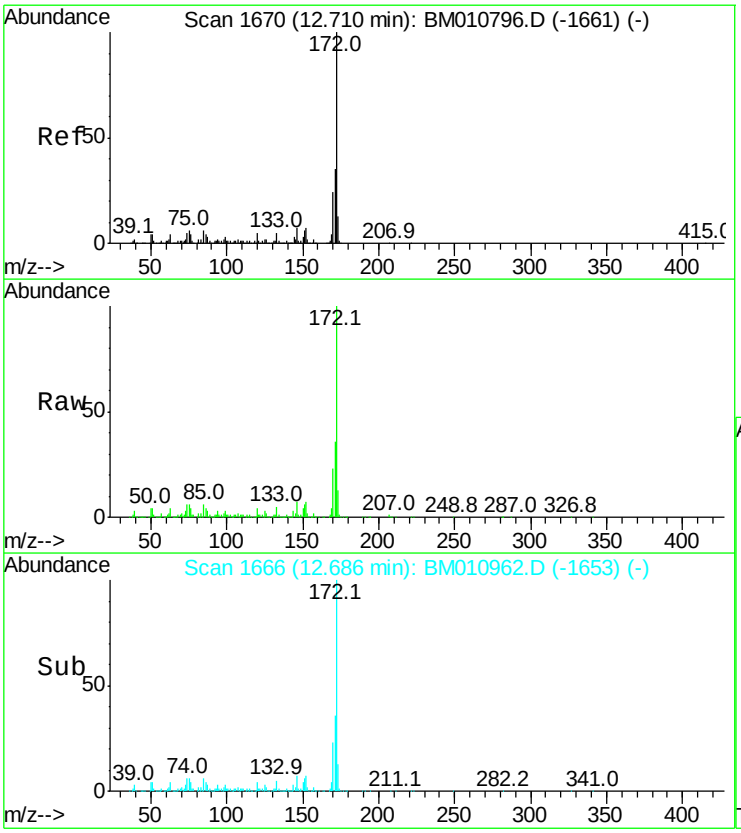

#41
2,4,6-Tribromophenol
Concen: 535.867 ng
RT: 15.58 min Scan# 2158
Delta R.T. -0.02 min
Lab File: BM010962.D
Acq: 24 Jul 2017 13:53

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:330 Resp: 1310537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.1 | 0.0 | 0.0# |
| 141 | 44.1 | 0.0 | 0.0# |

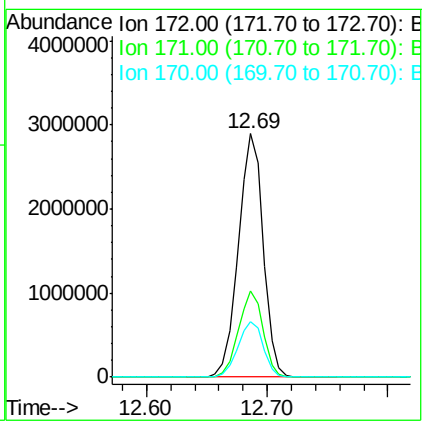


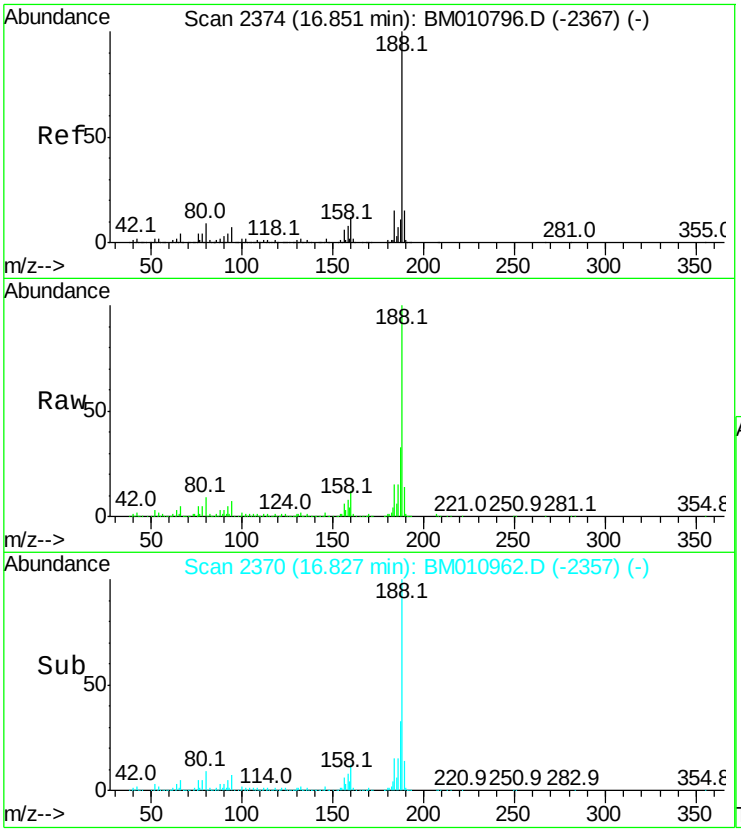




#44
2-Fluorobiphenyl
Concen: 321.920 ng
RT: 12.69 min Scan# 1666
Delta R.T. -0.02 min
Lab File: BM010962.D
Acq: 24 Jul 2017 13:53

Tgt Ion:172 Resp: 4141271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.6 | 28.5 | 42.7 |
| 170 | 22.6 | 18.8 | 28.2 |



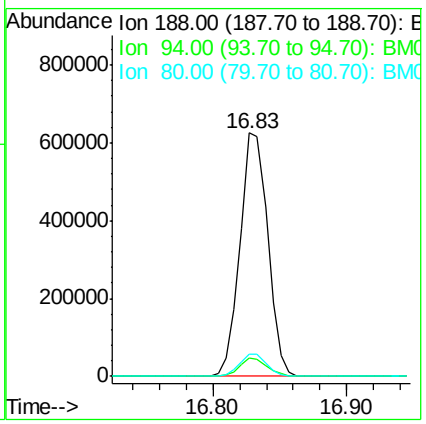


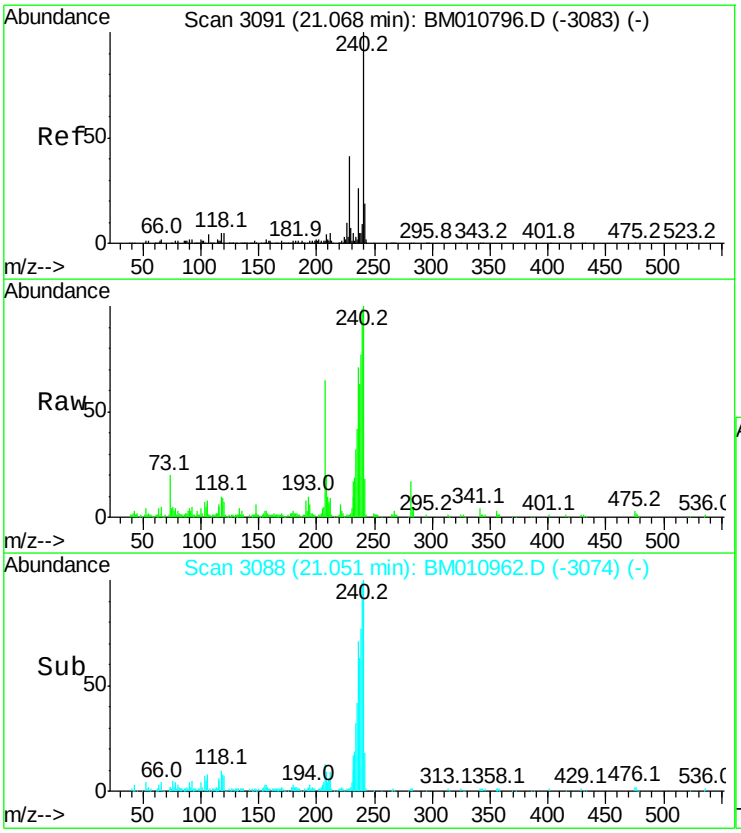

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.83 min Scan# 2370
Delta R.T. -0.02 min
Lab File: BM010962.D
Acq: 24 Jul 2017 13:53

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:188 Resp: 895489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 7.5 | 8.7 | 13.1# |
| 80 | 9.3 | 9.3 | 13.9 |

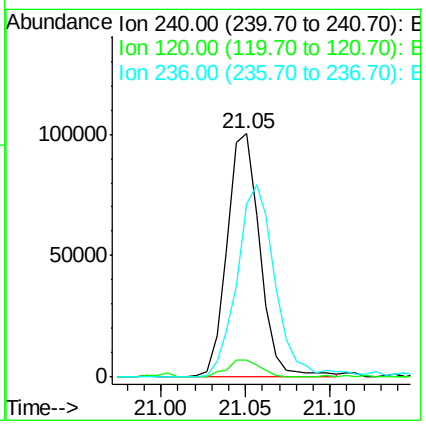


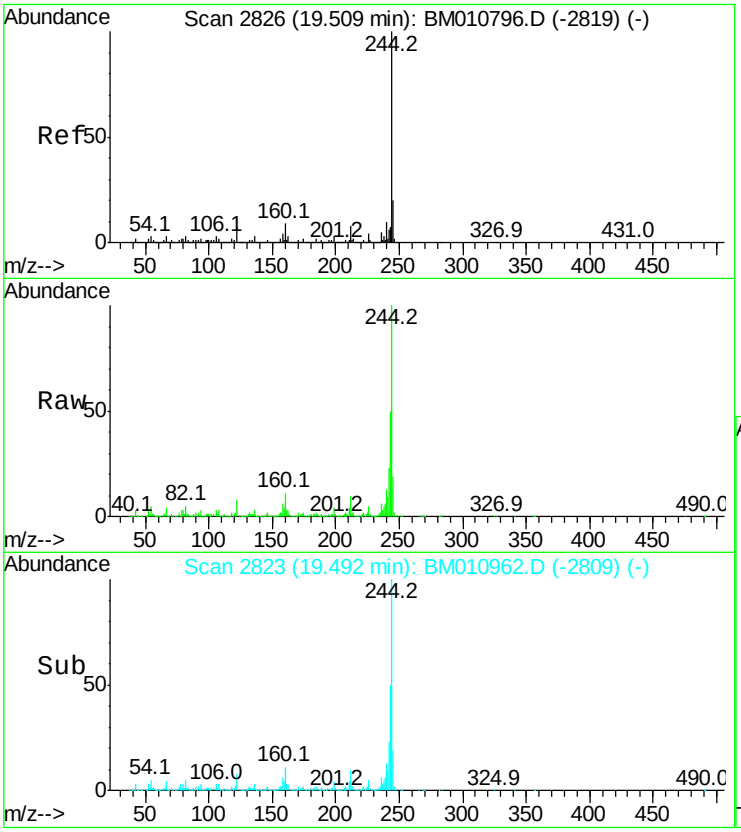




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.05 min Scan# 3088
Delta R.T. -0.02 min
Lab File: BM010962.D
Acq: 24 Jul 2017 13:53

Tgt Ion:240 Resp: 135771

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.8 | 8.2 | 12.2# |
| 236 | 71.1 | 20.0 | 30.0# |



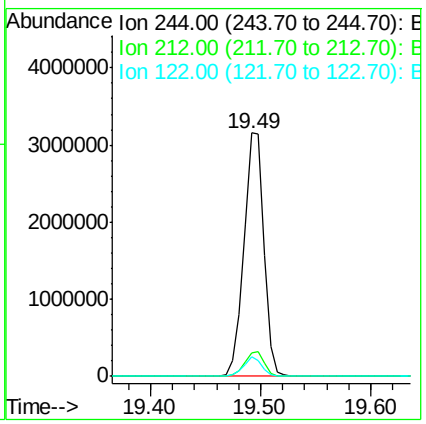


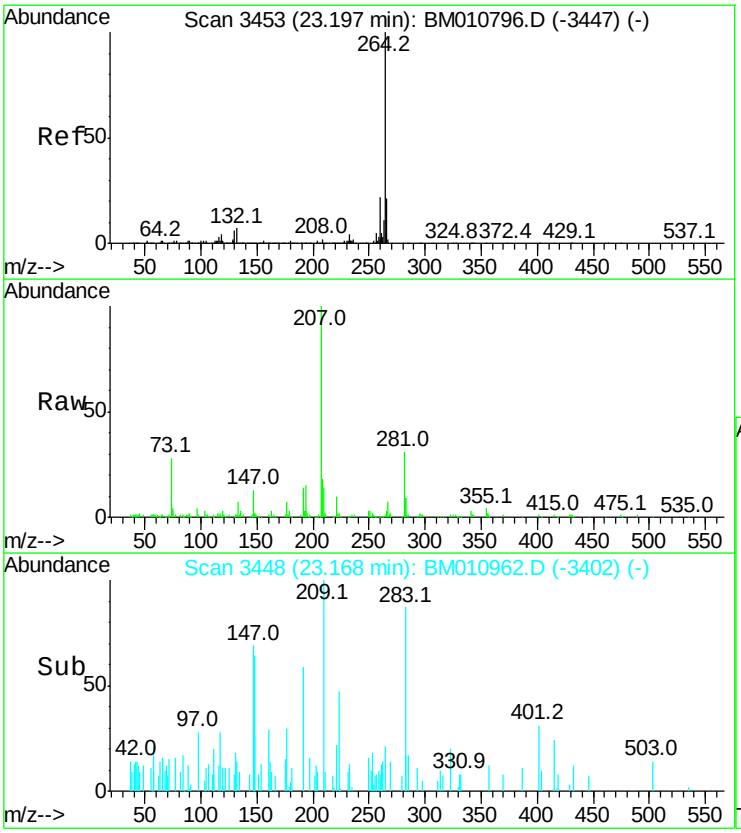

#78
Terphenyl-d14
Concen: 572.145 ng
RT: 19.49 min Scan# 2823
Delta R.T. -0.02 min
Lab File: BM010962.D
Acq: 24 Jul 2017 13:53

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:244 Resp: 4016366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 9.6 | 4.9 | 7.3# |
| 122 | 7.8 | 6.2 | 9.4 |

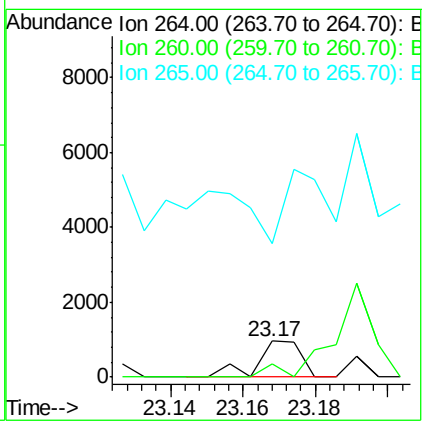


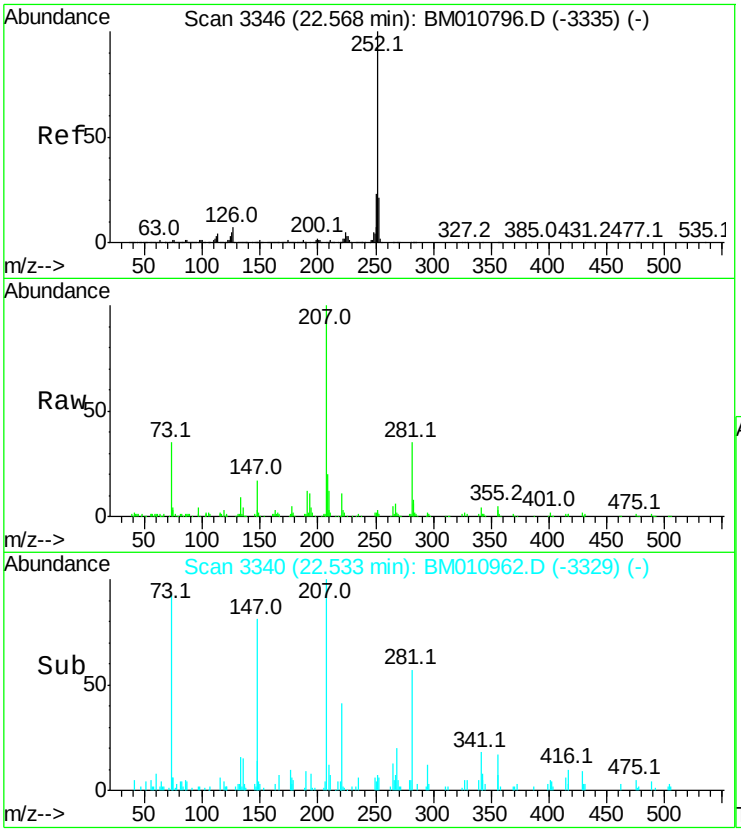




#86
Perylene-d12
Concen: 20.000 ng
RT: 23.17 min Scan# 3448
Delta R.T. -0.03 min
Lab File: BM010962.D
Acq: 24 Jul 2017 13:53

Tgt Ion:264 Resp: 795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 37.7 | 18.6 | 27.8# |
| 265 | 374.4 | 17.3 | 25.9# |



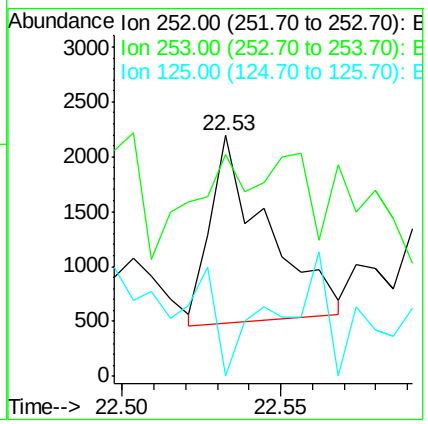


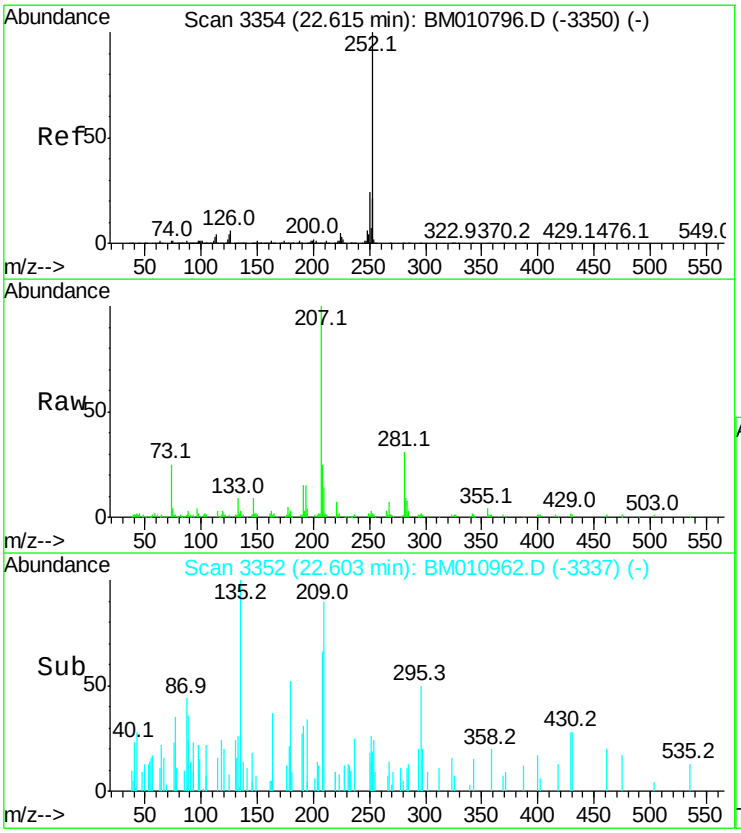

#87
Benzo(b)fluoranthene
Concen: 42.258 ng
RT: 22.53 min Scan# 3340
Delta R.T. -0.04 min
Lab File: BM010962.D
Acq: 24 Jul 2017 13:53

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:252 Resp: 2134

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 92.3 | 18.0 | 27.0# |
| 125 | 0.0 | 9.9 | 14.9# |

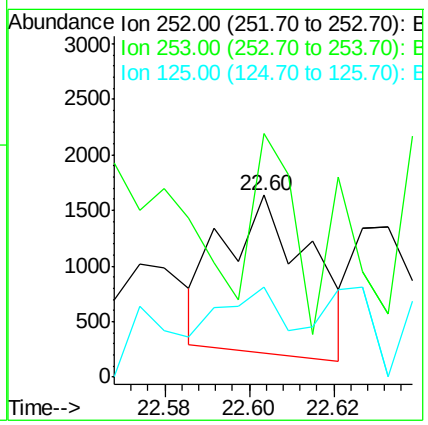


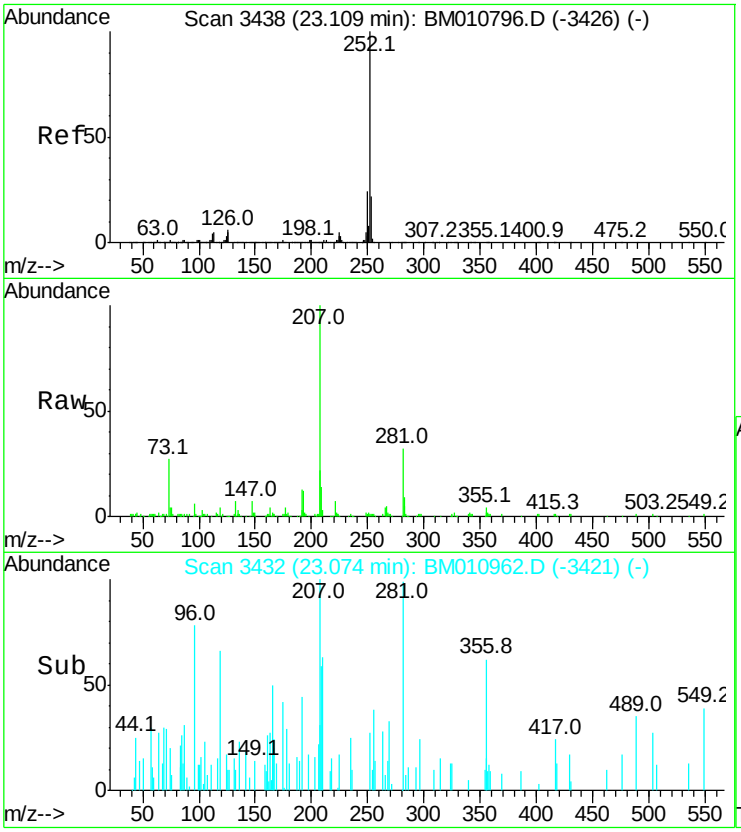




#88
Benzo(k)fluoranthene
Concen: 41.921 ng
RT: 22.60 min Scan# 3352
Delta R.T. -0.01 min
Lab File: BM010962.D
Acq: 24 Jul 2017 13:53

Tgt Ion:252 Resp: 2022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 134.1 | 17.2 | 25.8# |
| 125 | 49.2 | 8.1 | 12.1# |



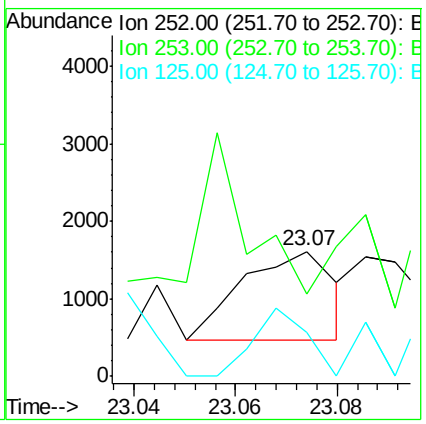


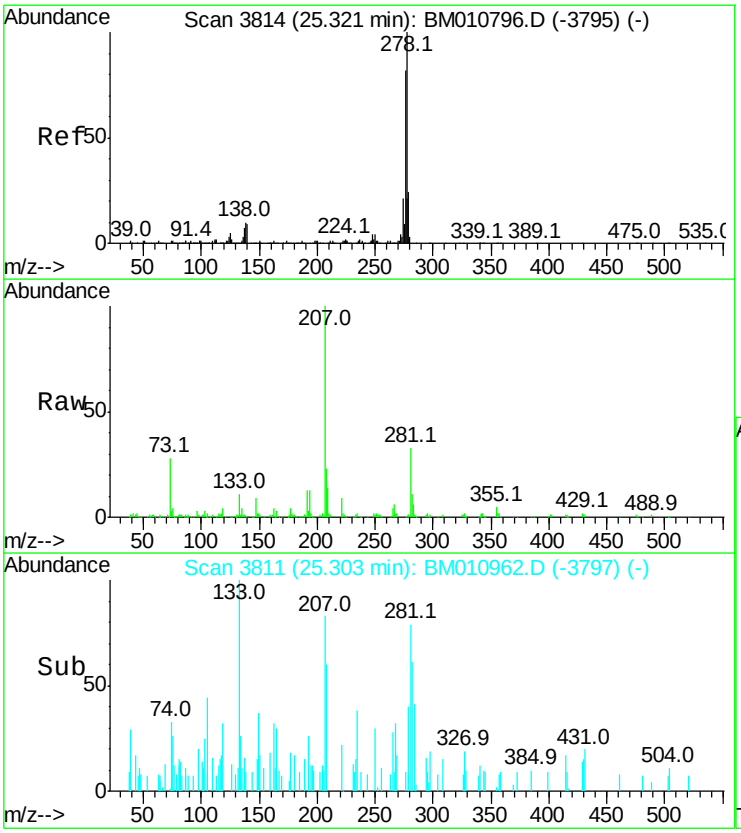

#89
Benzo(a)pyrene
Concen: 31.241 ng
RT: 23.07 min Scan# 3432
Delta R.T. -0.04 min
Lab File: BM010962.D
Acq: 24 Jul 2017 13:53

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:252 Resp: 1436

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 65.8 | 17.6 | 26.4# |
| 125 | 35.6 | 7.4 | 11.2# |

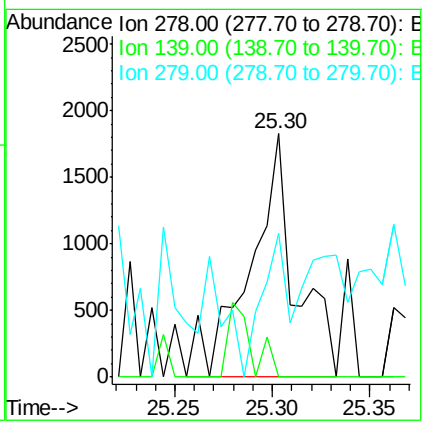


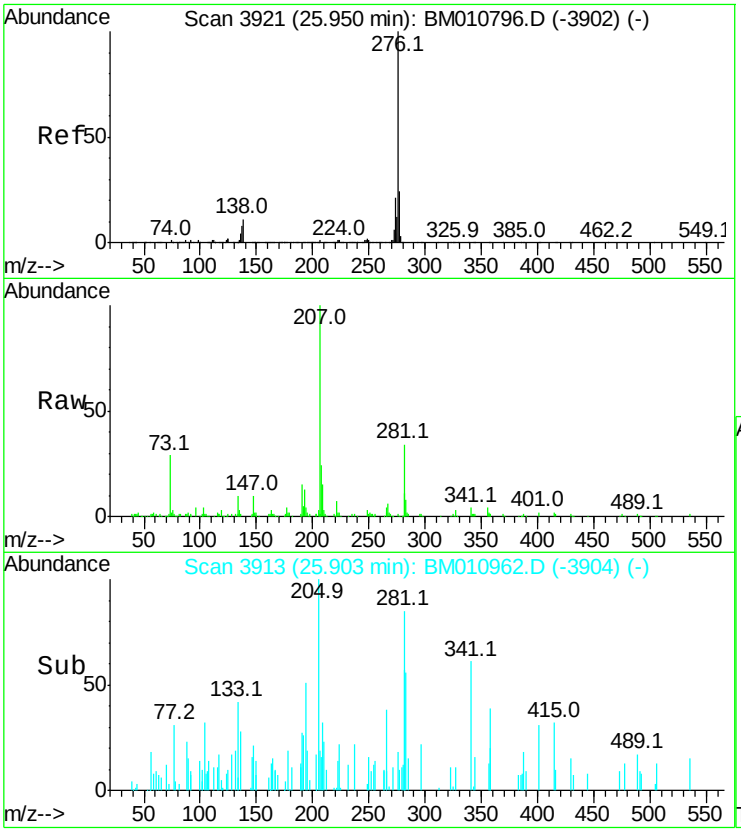




#90
Dibenzo(a,h)anthracene
Concen: 66.506 ng
RT: 25.30 min Scan# 3811
Delta R.T. -0.02 min
Lab File: BM010962.D
Acq: 24 Jul 2017 13:53

Tgt Ion:278 Resp: 2967

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 0.0 | 13.4 | 20.0# |
| 279 | 59.2 | 19.0 | 28.4# |






#91
Benzo(g,h,i)perylene
Concen: 20.499 ng
RT: 25.90 min Scan# 3913
Delta R.T. -0.05 min
Lab File: BM010962.D
Acq: 24 Jul 2017 13:53

**Instrument :**
BNA_M
**ClientSampleId :**

Tgt Ion:276 Resp: 899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 52.5 | 18.5 | 27.7# |
| 138 | 0.0 | 19.0 | 28.6# |