Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
Data File : BF122004.D
Acq On : 15 Oct 2020 21:53
Operator : JU/CG
Sample : L4223-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PL-01-101420

Quant Time: Oct 16 01:09:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 15 12:55:05 2020
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 6.740 | 152 | 121688 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.028 | 136 | 459978 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.775 | 164 | 231317 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.263 | 188 | 368539 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.904 | 240 | 253116 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.339 | 264 | 250493 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.363 | 112 | 154395 | 18.73 | ng | | 0.00 |
| 7) Phenol-d6 | 6.387 | 99 | 198058 | 18.66 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.310 | 82 | 127050 | 14.17 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.569 | 330 | 37675 | 13.17 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.098 | 172 | 238637 | 15.18 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.845 | 244 | 167533 | 12.61 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.293 | 77 | 567 | Below Cal | | # | 1 |
| 32) Benzoic acid | 7.816 | 122 | 110 | 7.71 | ng | # | 1 |
| 50) Dimethylphthalate | 9.498 | 163 | 40009 | 2.37 | ng | | 99 |
| 71) Phenanthrene | 11.286 | 178 | 107109 | 5.30 | ng | | 99 |
| 75) Fluoranthene | 12.474 | 202 | 167086 | 7.71 | ng | | 98 |
| 78) Pyrene | 12.704 | 202 | 153494 | 7.96 | ng | | 97 |
| 81) Benzo(a)anthracene | 13.892 | 228 | 75543 | 4.55 | ng | | 98 |
| 83) Chrysene | 13.927 | 228 | 62191 | 3.82 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 14.927 | 252 | 103990 | 6.14 | ng | # | 96 |
| 89) Benzo(k)fluoranthene | 14.927 | 252 | 103990 | 6.47 | ng | # | 95 |
| 90) Benzo(a)pyrene | 15.280 | 252 | 57547 | 3.93 | ng | # | 94 |
| 92) Benzo(g,h,i)perylene | 17.180 | 276 | 29289 | 2.19 | ng | | 97 |

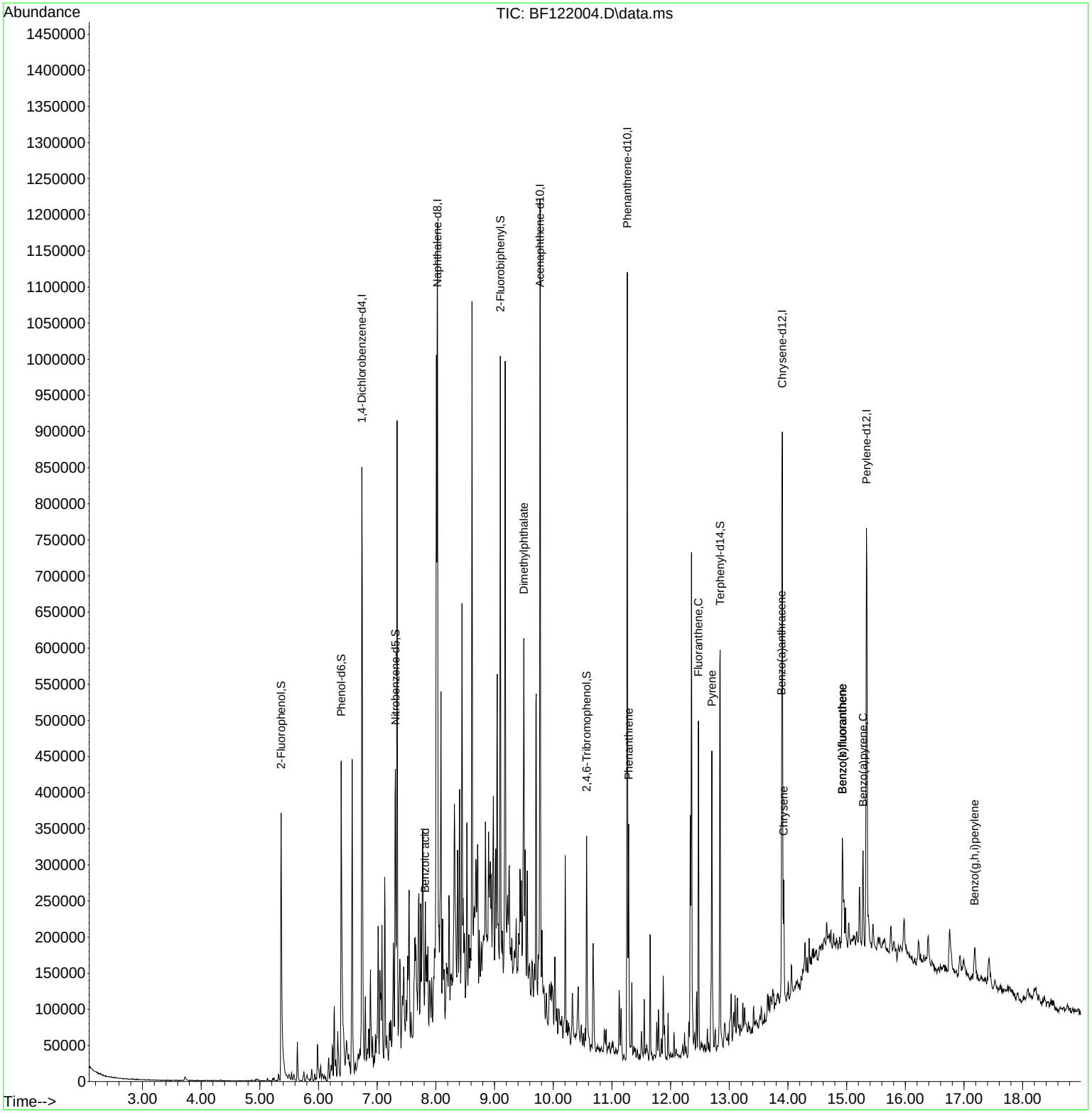
(#) = qualifier out of range (m) = manual integration (+) = signals summed

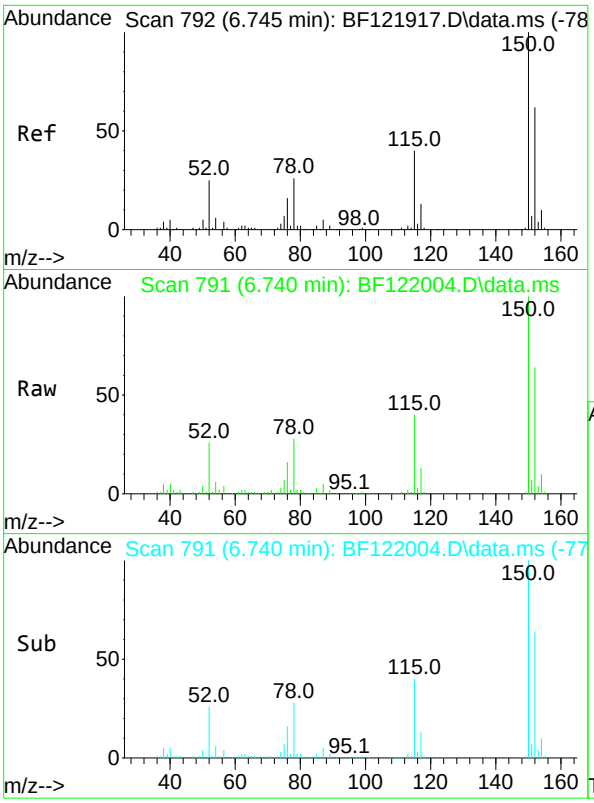
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101520\
Data File : BF122004.D
Acq On : 15 Oct 2020 21:53
Operator : JU/CG
Sample : L4223-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-101420

Quant Time: Oct 16 01:09:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 15 12:55:05 2020
Response via : Initial Calibration

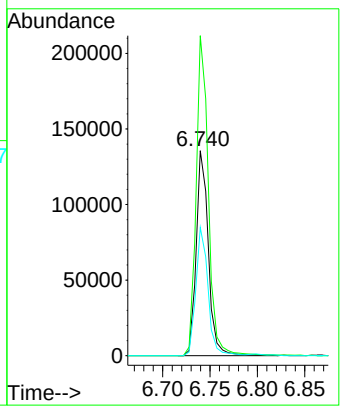




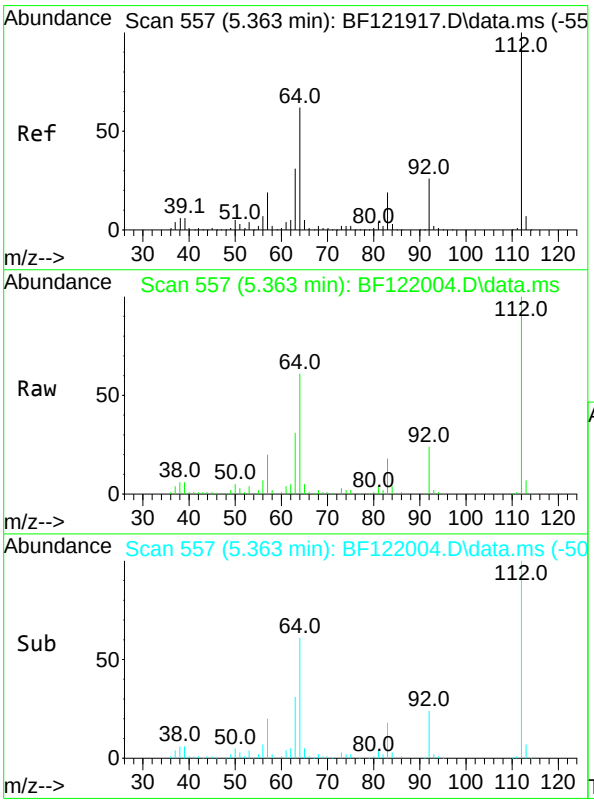

#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.005 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:152 Resp: 121688

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.1 | 125.3 | 187.9 |
| 115 | 62.5 | 51.9 | 77.9 |



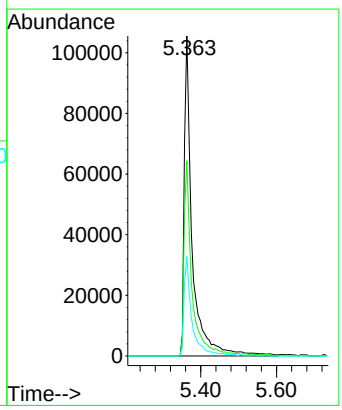

**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-101420



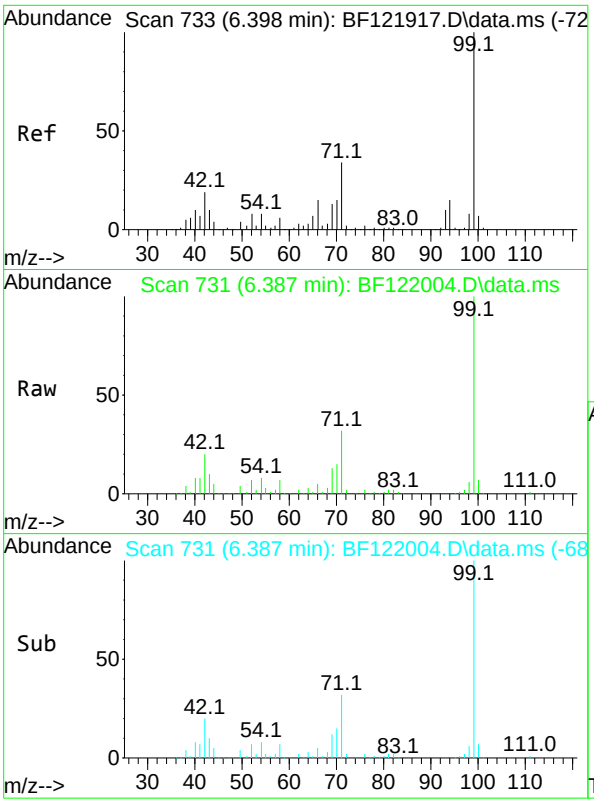

#5
2-Fluorophenol
Concen: 18.73 ng
RT: 5.363 min Scan# 557
Delta R.T. 0.000 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:112 Resp: 154395

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.0 | 50.4 | 75.6 |
| 63 | 31.1 | 25.8 | 38.6 |



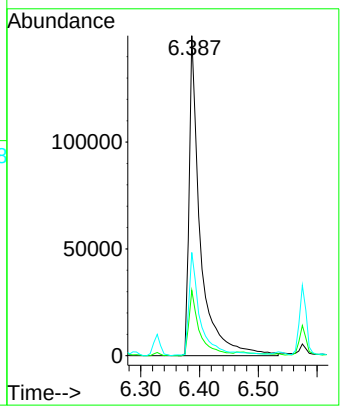
**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-101420

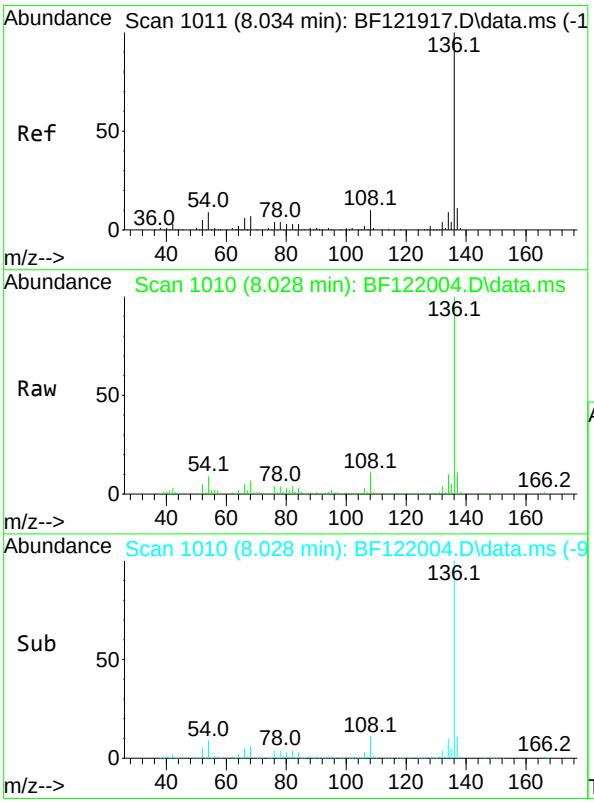



#7
Phenol-d6
Concen: 18.66 ng
RT: 6.387 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion: 99 Resp: 198058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.4 | 15.9 | 23.9 |
| 71 | 32.2 | 27.1 | 40.7 |

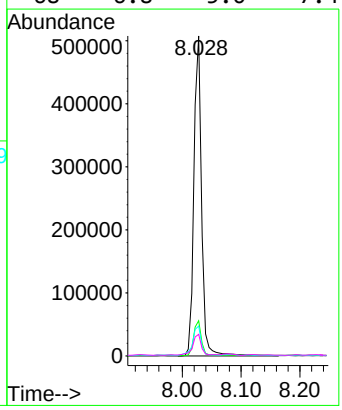


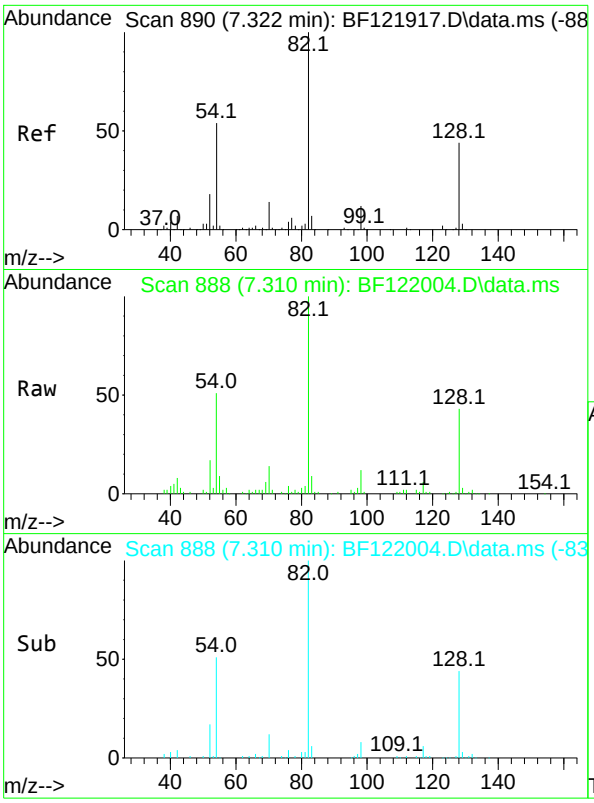




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.028 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:136 Resp: 459978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.6 | 13.0 |
| 54 | 9.3 | 7.1 | 10.7 |
| 68 | 6.8 | 5.0 | 7.4 |

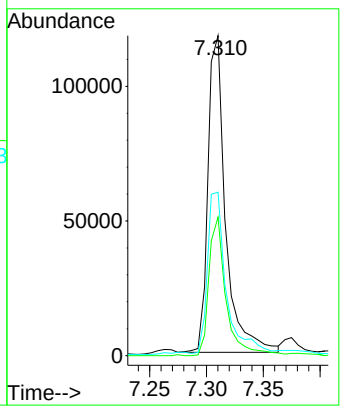




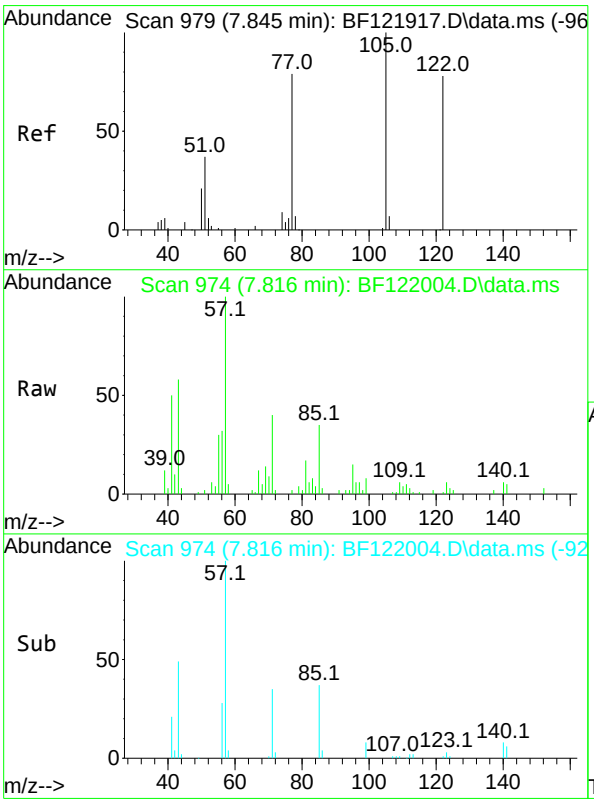

#23
Nitrobenzene-d5
Concen: 14.17 ng
RT: 7.310 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion: 82 Resp: 127050

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 43.3 | 35.0 | 52.4 |
| 54 | 51.1 | 43.9 | 65.9 |



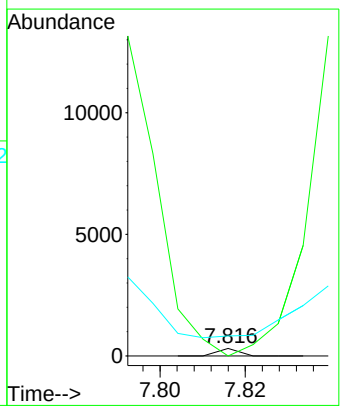

**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-101420



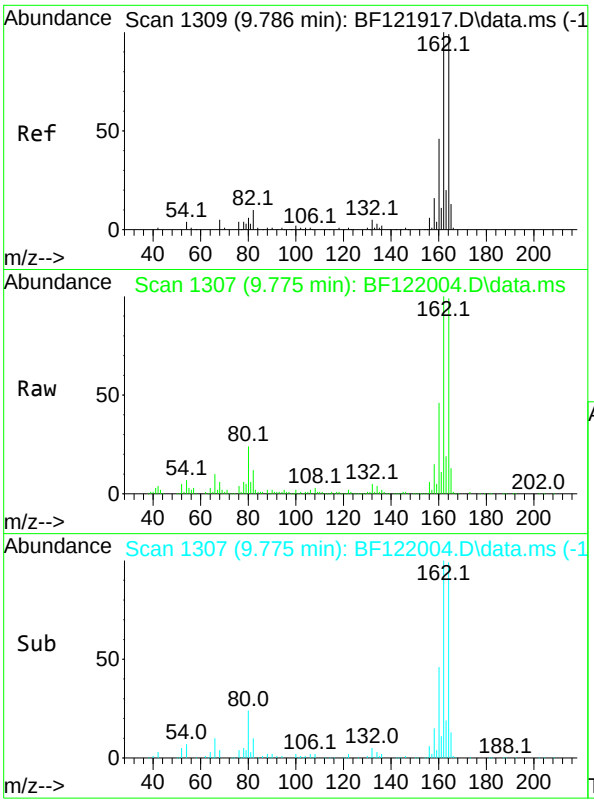

#32
Benzoic acid
Concen: 7.71 ng
RT: 7.816 min Scan# 974
Delta R.T. -0.023 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:122 Resp: 110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 0.0 | 103.3 | 143.3# |
| 77 | 265.0 | 73.9 | 113.9# |



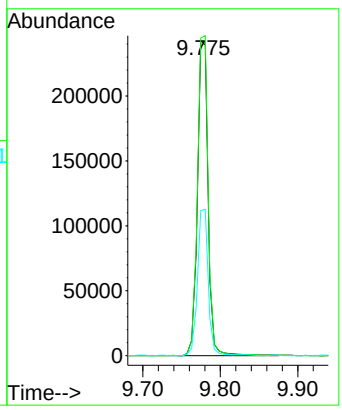
**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-101420

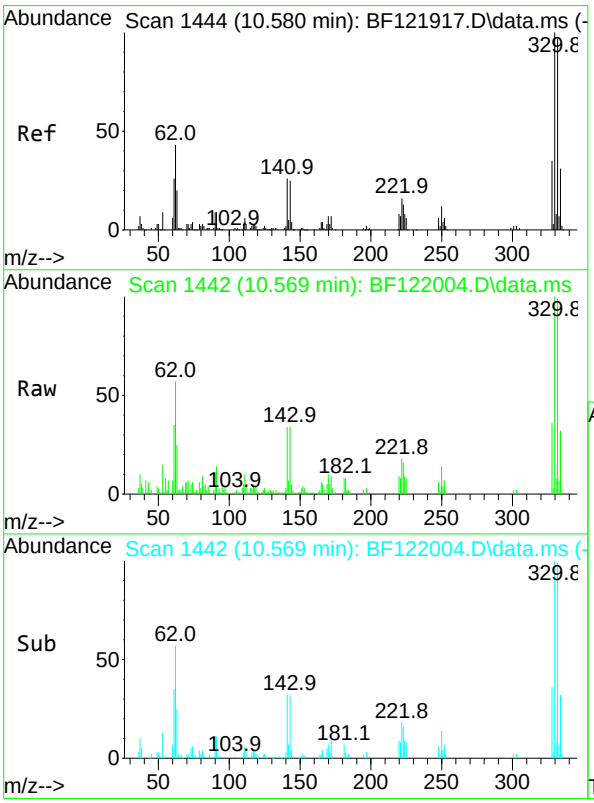



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.006 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:164 Resp: 231317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 100.9 | 83.2 | 124.8 |
| 160 | 46.0 | 37.5 | 56.3 |

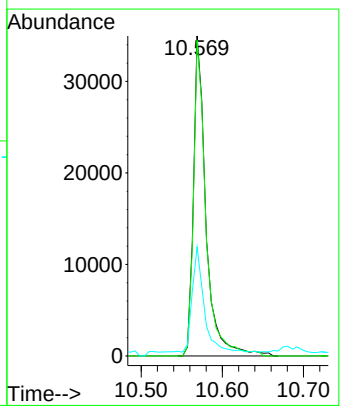


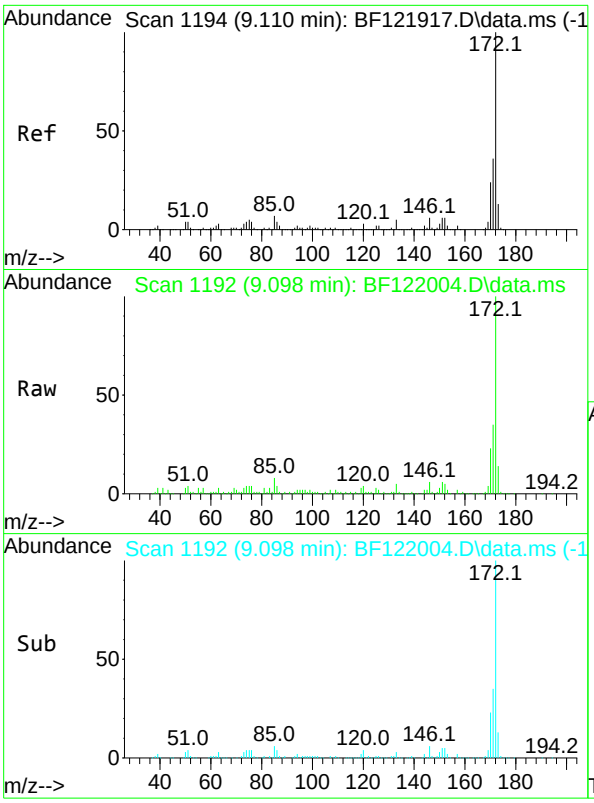

#42
2,4,6-Tribromophenol
Concen: 13.17 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:330 Resp: 37675

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.9 | 77.3 | 115.9 |
| 141 | 31.5 | 22.3 | 33.5 |



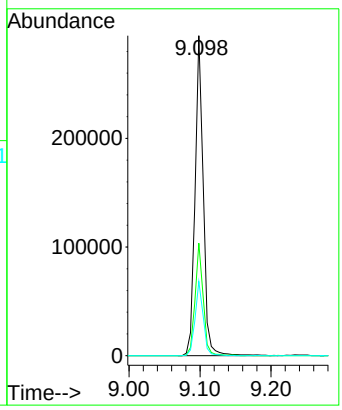
**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-101420

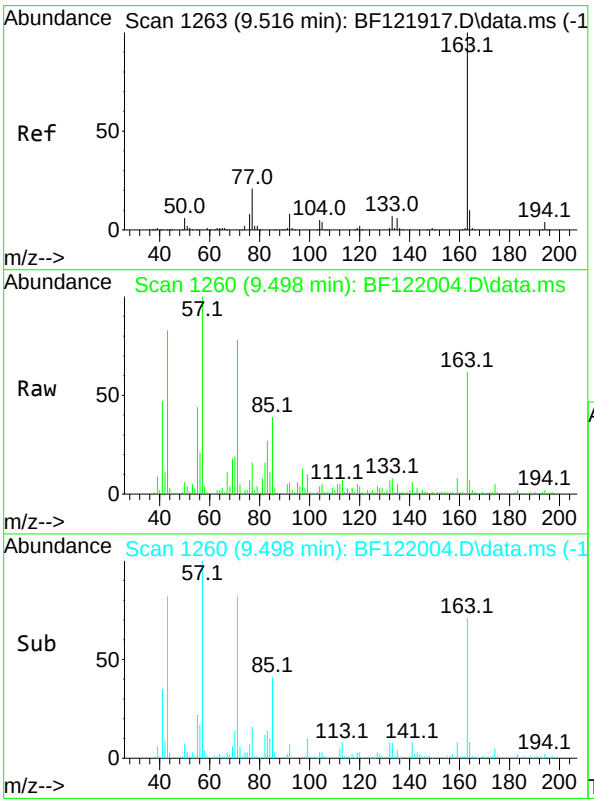



#45
2-Fluorobiphenyl
Concen: 15.18 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:172 Resp: 238637

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 29.1 | 43.7 |
| 170 | 23.2 | 19.8 | 29.6 |

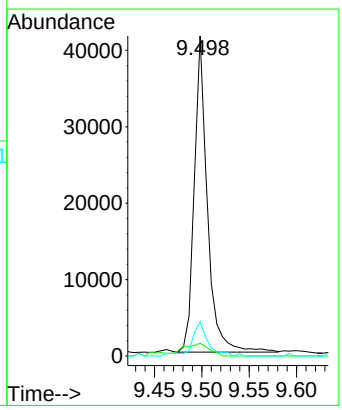


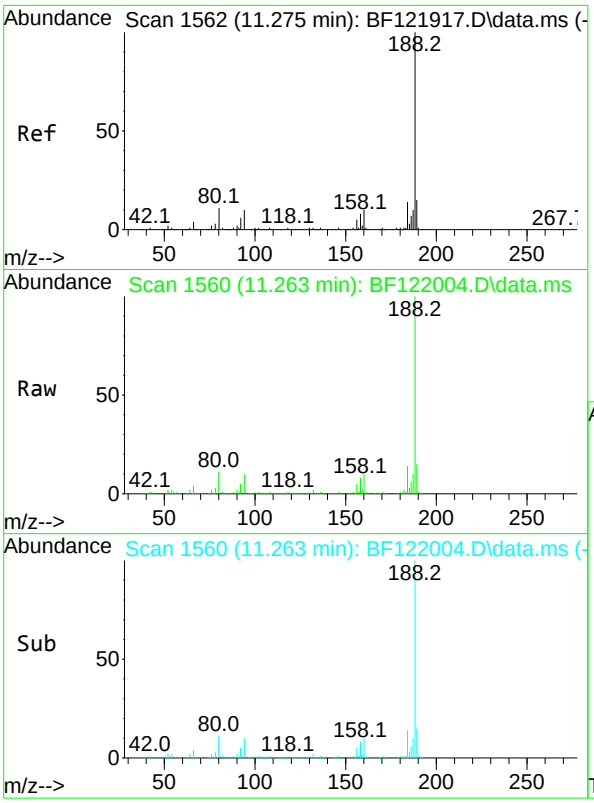

#50
Dimethylphthalate
Concen: 2.37 ng
RT: 9.498 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:163 Resp: 40009

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.9 | 3.3 | 4.9 |
| 164 | 10.7 | 8.2 | 12.4 |



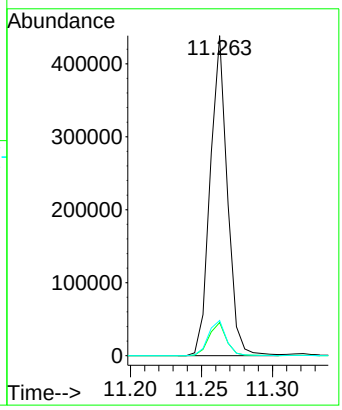
**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-101420

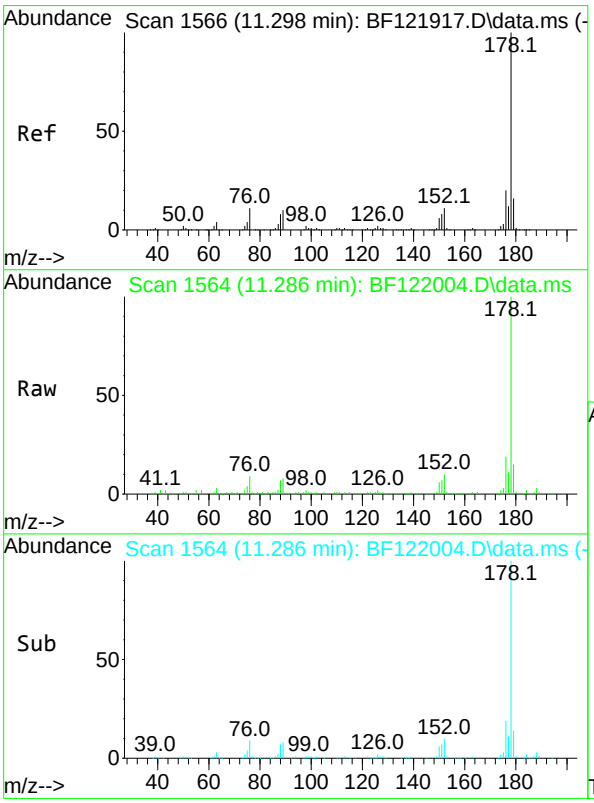



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.263 min Scan# 1560
Delta R.T. 0.000 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:188 Resp: 368539

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.4 | 8.3 | 12.5 |
| 80 | 11.0 | 9.1 | 13.7 |

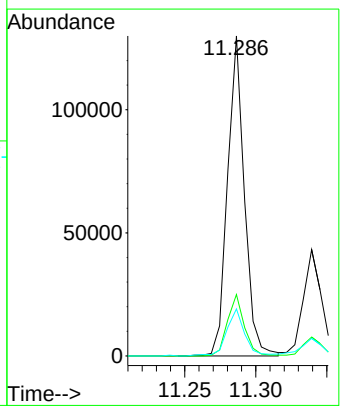


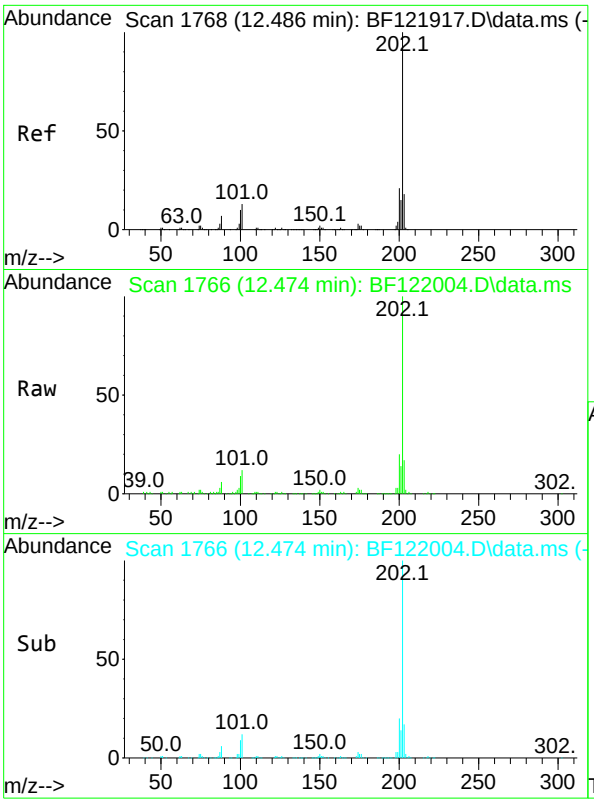

#71
Phenanthrene
Concen: 5.30 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:178 Resp: 107109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.2 | 15.9 | 23.9 |
| 179 | 14.7 | 12.2 | 18.4 |



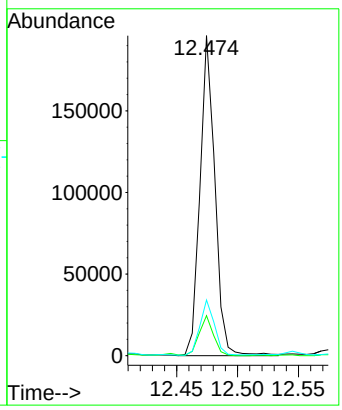
**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-101420

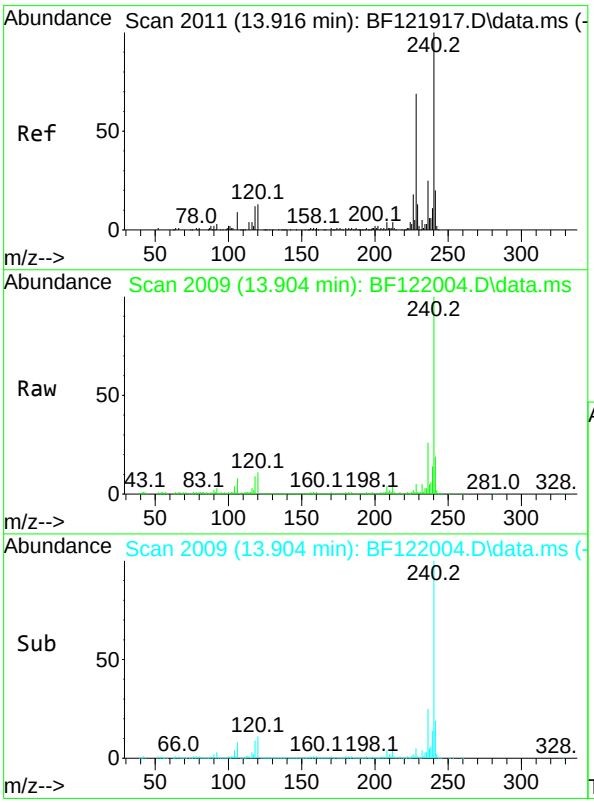



#75
Fluoranthene
Concen: 7.71 ng
RT: 12.474 min Scan# 1766
Delta R.T. -0.006 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:202 Resp: 167086

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.5 | 0.0 | 33.4 |
| 203 | 17.4 | 0.0 | 37.9 |

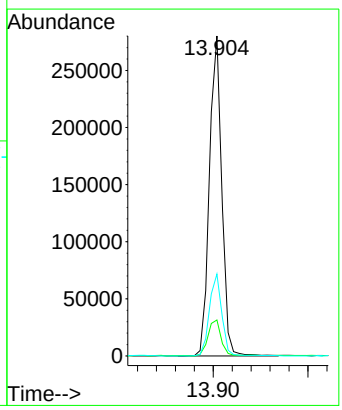


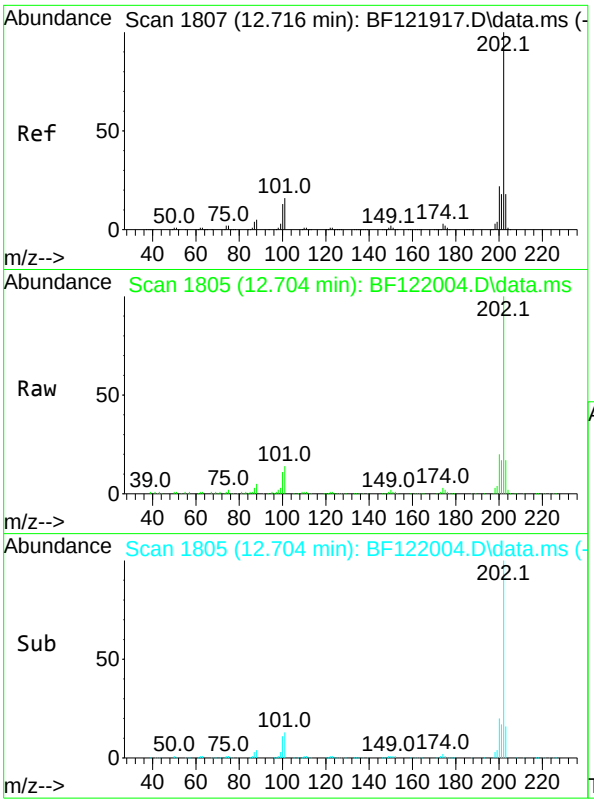




#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.904 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:240 Resp: 253116

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.3 | 9.2 | 13.8 |
| 236 | 25.6 | 20.9 | 31.3 |

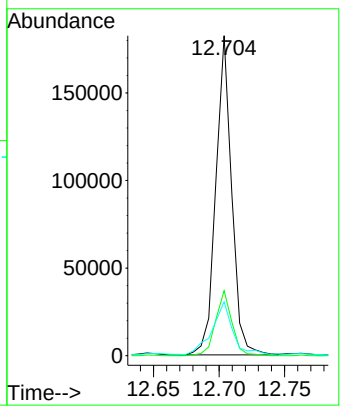




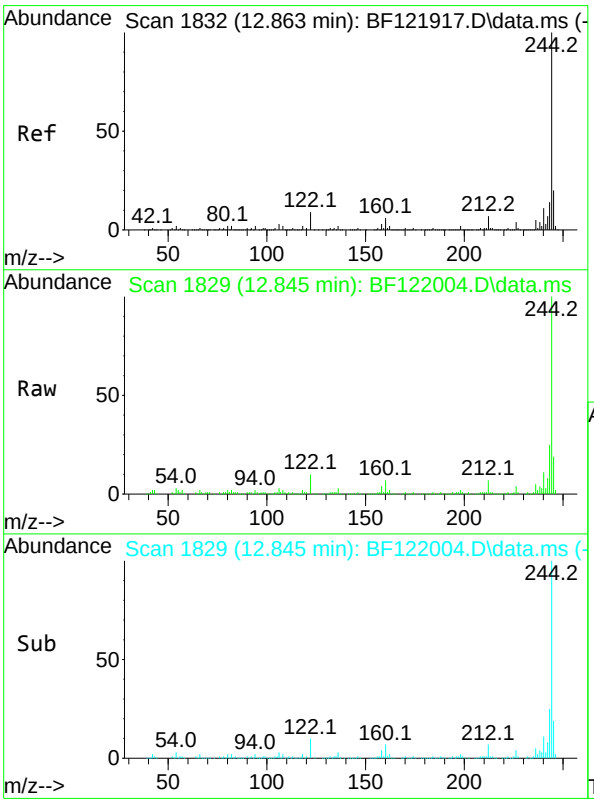

#78
Pyrene
Concen: 7.96 ng
RT: 12.704 min Scan# 1805
Delta R.T. -0.006 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:202 Resp: 153494

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.3 | 17.4 | 26.2 |
| 203 | 16.8 | 14.6 | 21.8 |



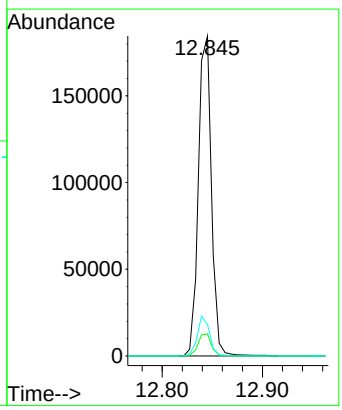

**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-101420



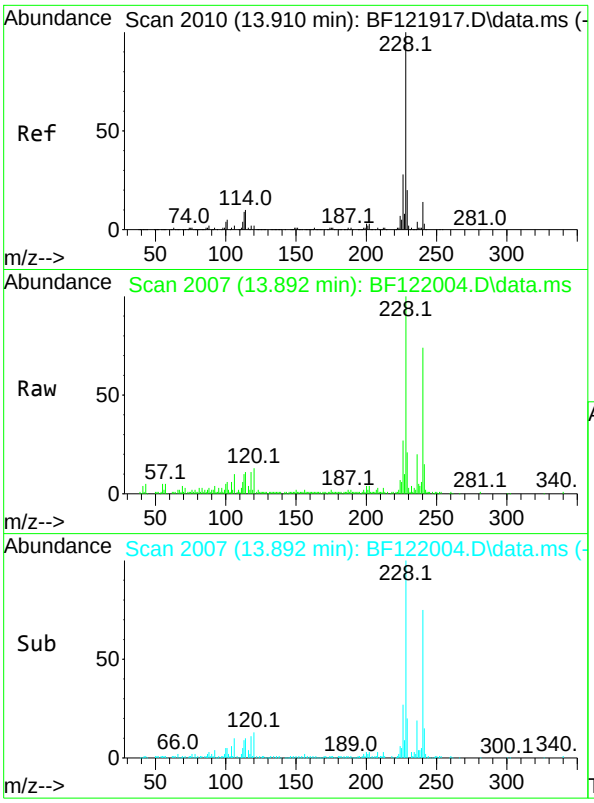

#79
Terphenyl-d14
Concen: 12.61 ng
RT: 12.845 min Scan# 1829
Delta R.T. -0.006 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:244 Resp: 167533

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.9 | 5.4 | 8.2 |
| 122 | 9.9 | 8.1 | 12.1 |



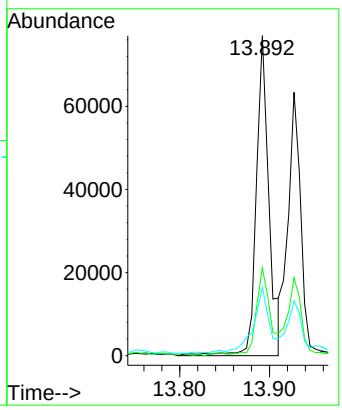
**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-101420

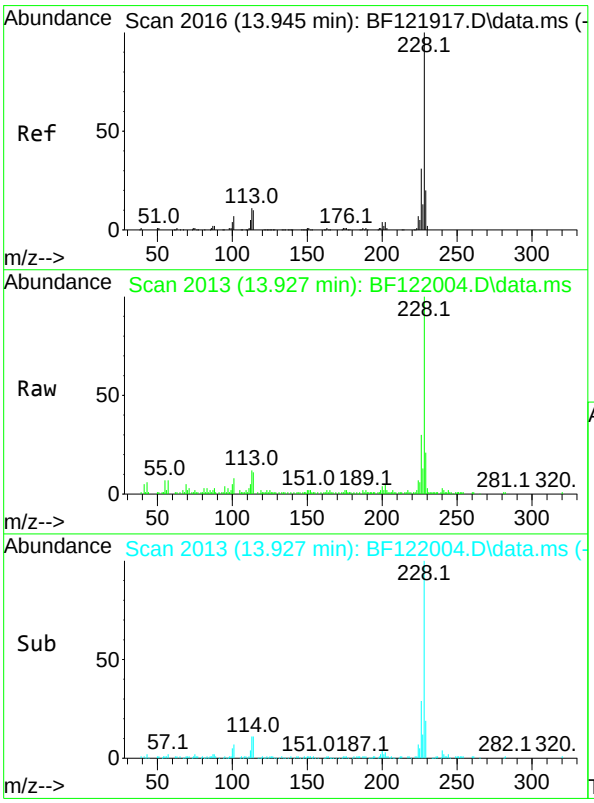



#81
Benzo(a)anthracene
Concen: 4.55 ng
RT: 13.892 min Scan# 2007
Delta R.T. -0.006 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:228 Resp: 75543

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.4 | 22.3 | 33.5 |
| 229 | 21.3 | 16.2 | 24.4 |

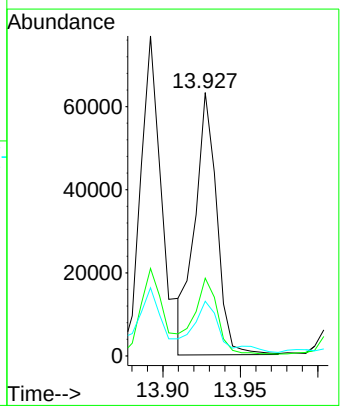


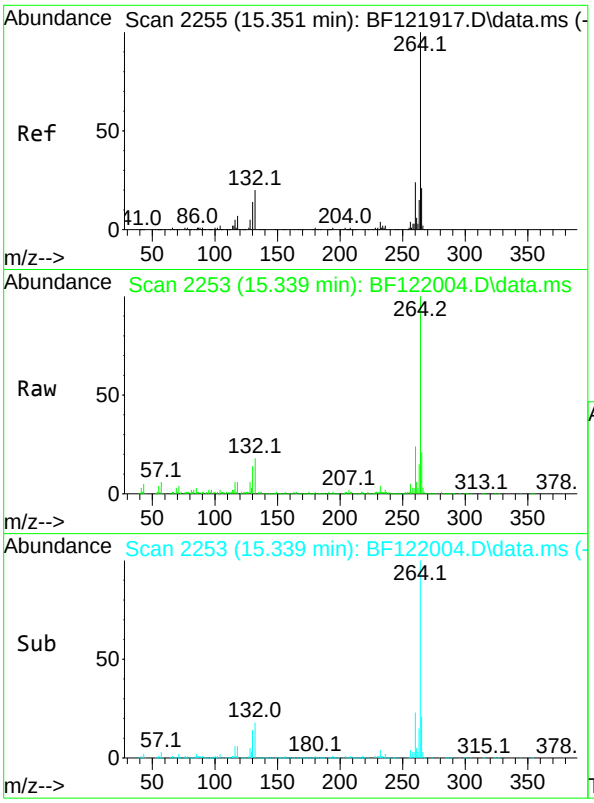




#83
Chrysene
Concen: 3.82 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:228 Resp: 62191

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.6 | 24.6 | 37.0 |
| 229 | 20.8 | 15.9 | 23.9 |

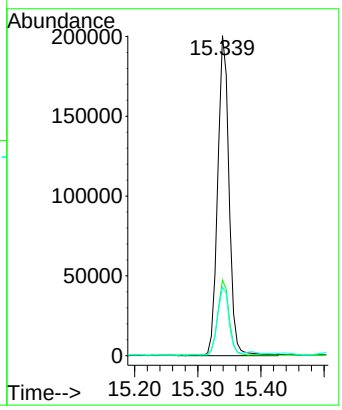




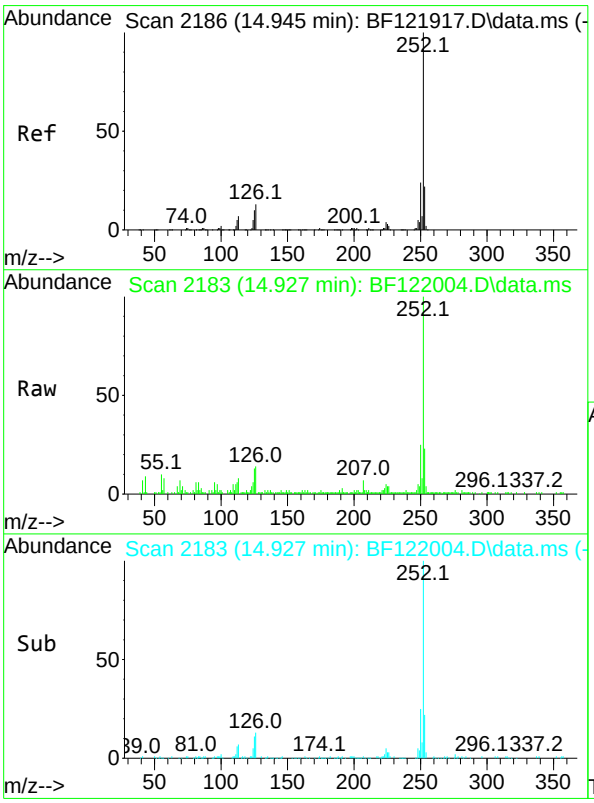

#86
Perylene-d12
Concen: 20.00 ng
RT: 15.339 min Scan# 2253
Delta R.T. 0.000 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:264 Resp: 250493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 18.7 | 28.1 |
| 265 | 21.4 | 17.3 | 25.9 |



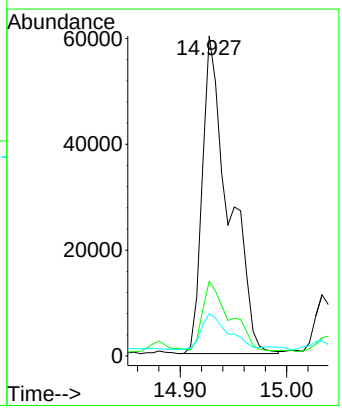

**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-101420



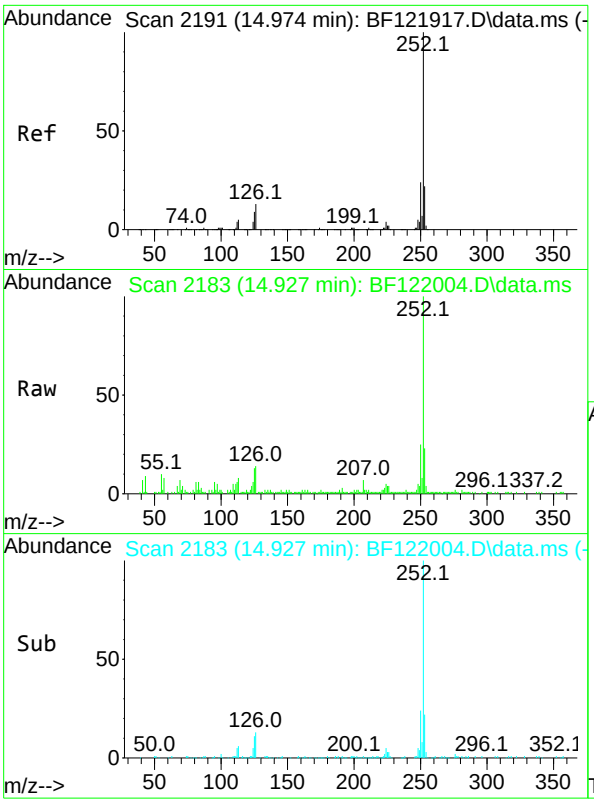

#88
Benzo(b)fluoranthene
Concen: 6.14 ng
RT: 14.927 min Scan# 2183
Delta R.T. -0.006 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:252 Resp: 103990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 18.2 | 27.2 |
| 125 | 13.3 | 8.0 | 12.0# |



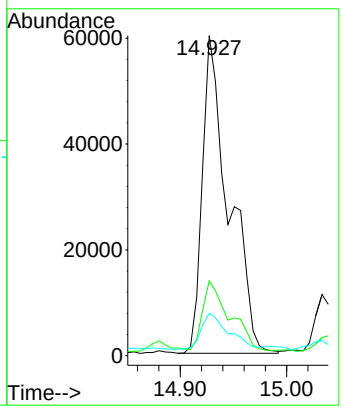
**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-101420

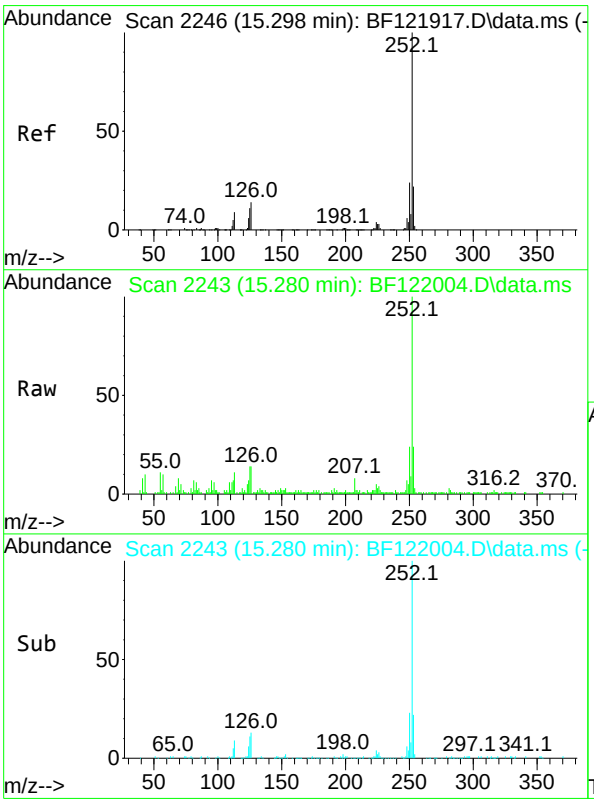



#89
Benzo(k)fluoranthene
Concen: 6.47 ng
RT: 14.927 min Scan# 2183
Delta R.T. -0.035 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:252 Resp: 103990

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 17.8 | 26.6 |
| 125 | 13.3 | 7.7 | 11.5# |

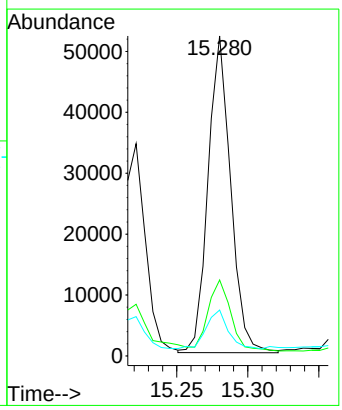


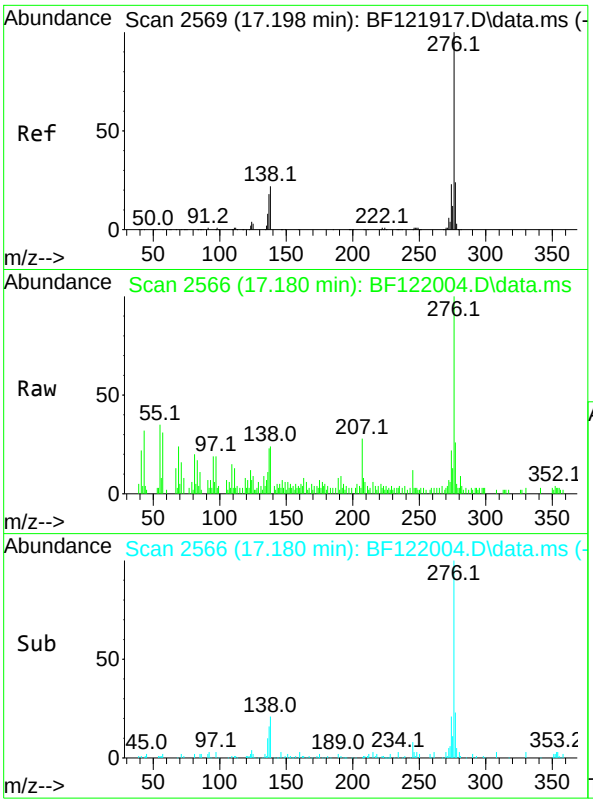




#90
Benzo(a)pyrene
Concen: 3.93 ng
RT: 15.280 min Scan# 2243
Delta R.T. -0.006 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:252 Resp: 57547

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.8 | 17.3 | 25.9 |
| 125 | 14.3 | 8.6 | 13.0# |

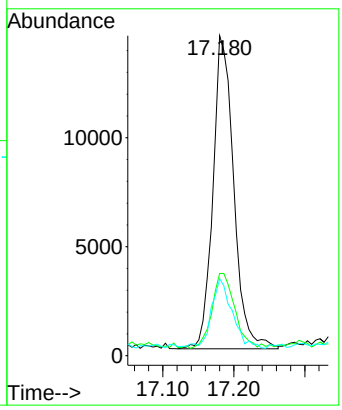





#92
Benzo(g,h,i)perylene
Concen: 2.19 ng
RT: 17.180 min Scan# 2566
Delta R.T. -0.006 min
Lab File: BF122004.D
Acq: 15 Oct 2020 21:53

Tgt Ion:276 Resp: 29289

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 25.7 | 19.4 | 29.2 |
| 138 | 24.0 | 17.8 | 26.6 |




**Instrument :**
BNA_F
**ClientSampleId :**
PL-01-101420