Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051221\
Data File : BP005520.D
Acq On : 13 May 2021 00:11
Operator : CG/JU
Sample : M2356-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_P
**ClientSampleId :** OR-03-051121

Quant Time: May 13 03:29:27 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP050521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 11 11:20:59 2021
Response via : Initial Calibration

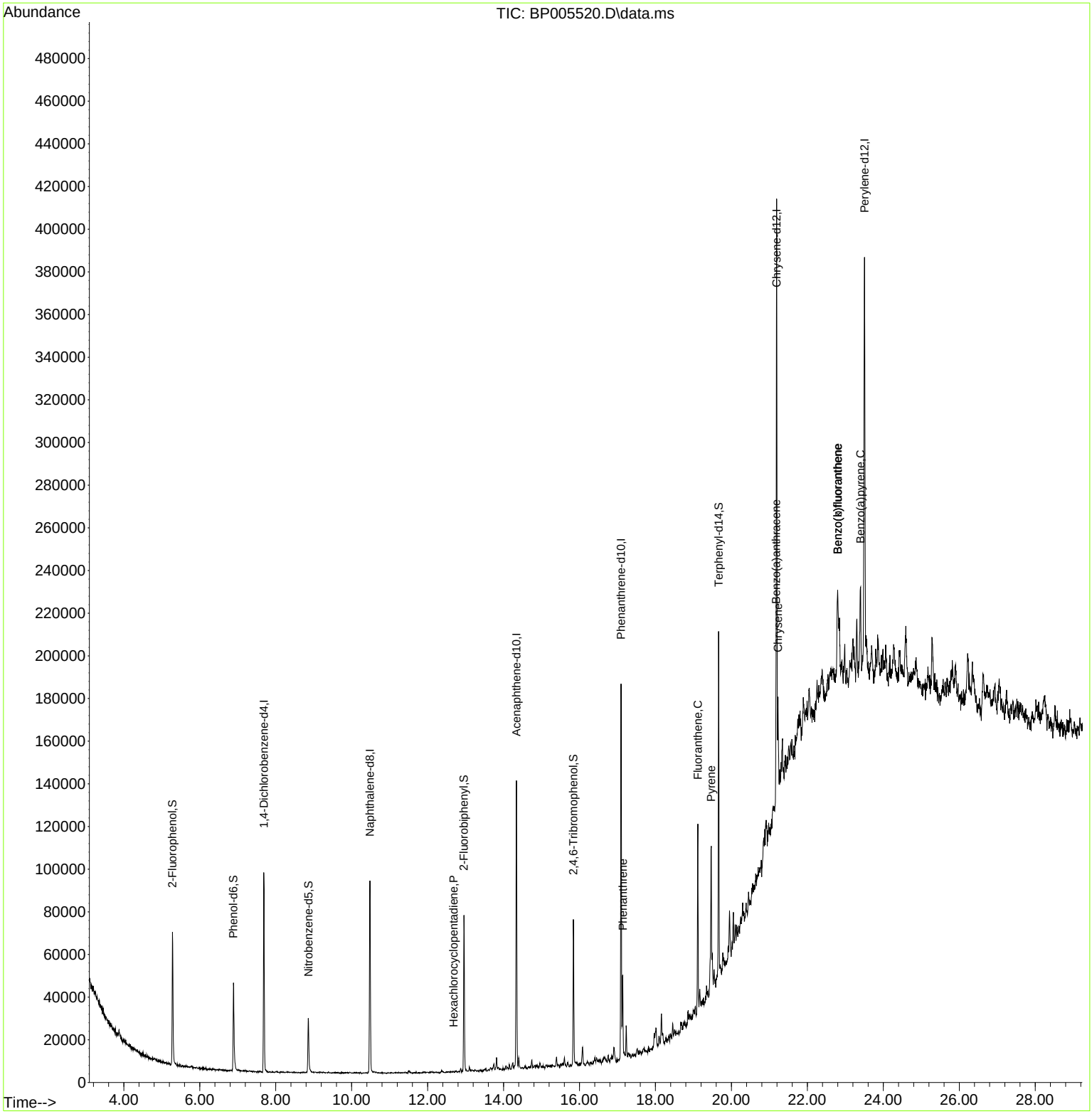
| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| Internal Standards | | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.687 | 152 | 19268 | 20.00 | ng | | -0.01 |
| 21) Naphthalene-d8 | 10.481 | 136 | 54527 | 20.00 | ng | | #-0.01 |
| 39) Acenaphthene-d10 | 14.340 | 164 | 39378 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 17.092 | 188 | 95022 | 20.00 | ng | | # 0.00 |
| 76) Chrysene-d12 | 21.192 | 240 | 114044 | 20.00 | ng | | # 0.00 |
| 86) Perylene-d12 | 23.504 | 264 | 150577 | 20.00 | ng | | 0.00 |
| System Monitoring Compounds | | | | | | | |
| 5) 2-Fluorophenol | 5.281 | 112 | 22309 | 22.22 | ng | | 0.00 |
| 7) Phenol-d6 | 6.887 | 99 | 19038 | 15.21 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 8.863 | 82 | 14667 | 10.59 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.840 | 330 | 12220 | 10.94 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 12.957 | 172 | 32107 | 9.20 | ng | | -0.01 |
| 79) Terphenyl-d14 | 19.663 | 244 | 63451 | 9.45 | ng | | 0.00 |
| Target Compounds | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.181 | 88 | 163 | Below Cal | | # | 63 |
| 9) Benzaldehyde | 6.822 | 77 | 38 | Below Cal | | # | 40 |
| 41) Hexachlorocyclopentadiene | 12.687 | 237 | 10 | 7.88 | ng | | 89 |
| 71) Phenanthrene | 17.139 | 178 | 21181 | 3.92 | ng | | 98 |
| 75) Fluoranthene | 19.116 | 202 | 47426 | 6.39 | ng | | 95 |
| 78) Pyrene | 19.469 | 202 | 41006 | 6.35 | ng | | 98 |
| 81) Benzo(a)anthracene | 21.175 | 228 | 28292 | 3.83 | ng | | 96 |
| 83) Chrysene | 21.227 | 228 | 23023 | 3.21 | ng | | 95 |
| 88) Benzo(b)fluoranthene | 22.804 | 252 | 39182 | 3.90 | ng | # | 93 |
| 89) Benzo(k)fluoranthene | 22.804 | 252 | 39182 | 3.99 | ng | # | 92 |
| 90) Benzo(a)pyrene | 23.398 | 252 | 27419 | 2.98 | ng | # | 89 |

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

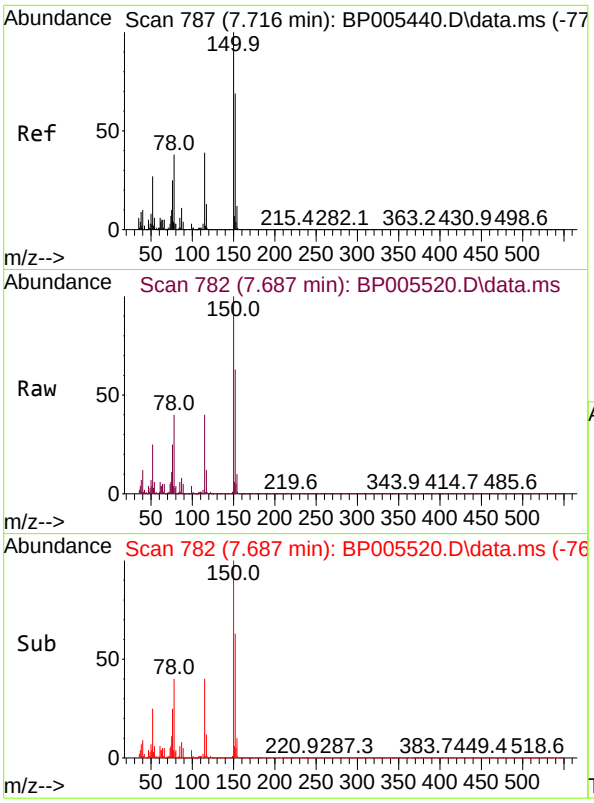
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051221\
Data File : BP005520.D
Acq On : 13 May 2021 00:11
Operator : CG/JU
Sample : M2356-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_P
**ClientSampleId :**
OR-03-051121

Quant Time: May 13 03:29:27 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP050521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 11 11:20:59 2021
Response via : Initial Calibration



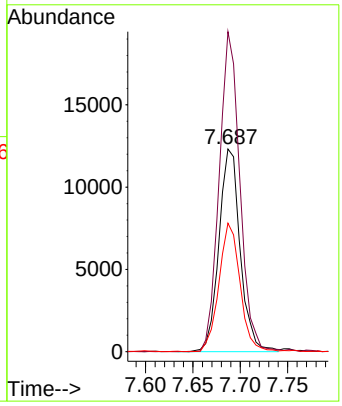
**Instrument :**
BNA_P
**ClientSampleId :**
OR-03-051121

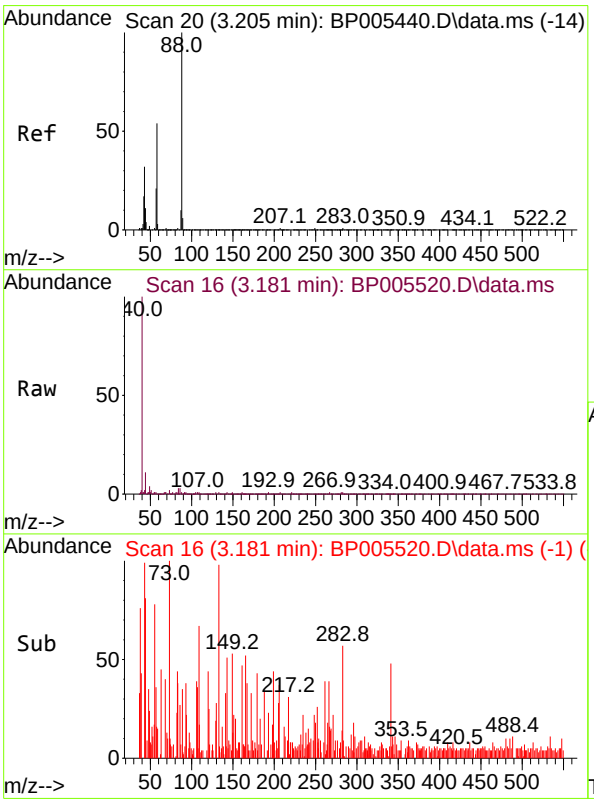



#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.687 min Scan# 782
Delta R.T. -0.012 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion:152 Resp: 19268

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.8 | 119.8 | 179.8 |
| 115 | 63.4 | 49.0 | 73.4 |

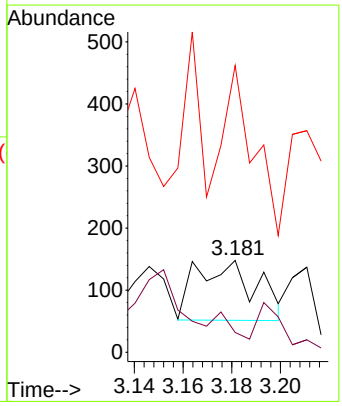


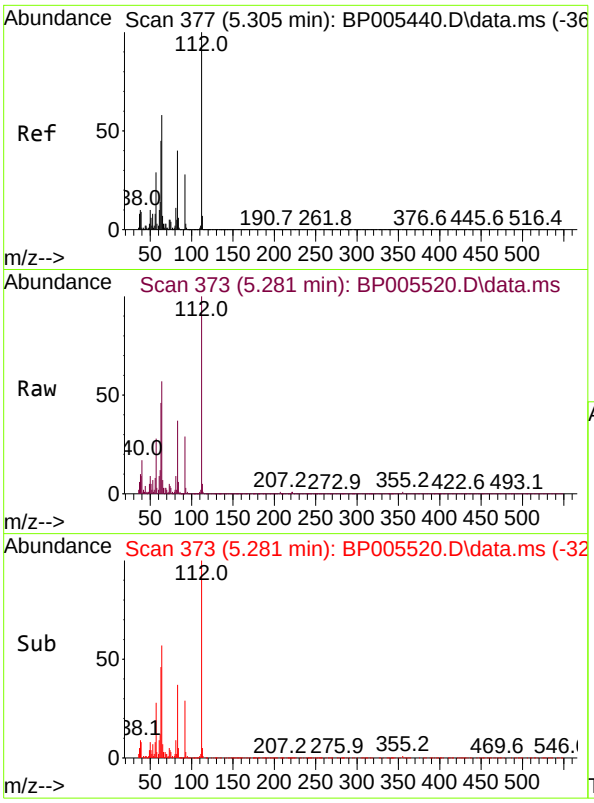

#2
1,4-Dioxane
Concen: Below Cal
RT: 3.181 min Scan# 16
Delta R.T. 0.000 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion: 88 Resp: 163

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 30.7 | 42.5 | 63.7# |
| 43 | 0.0 | 19.8 | 29.8# |



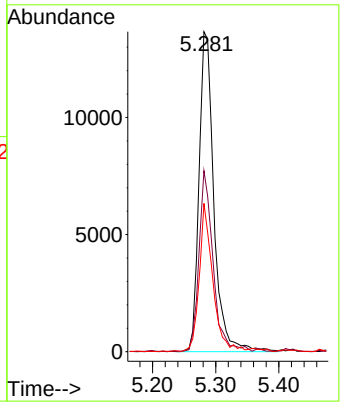
**Instrument :**
BNA_P
**ClientSampleId :**
OR-03-051121

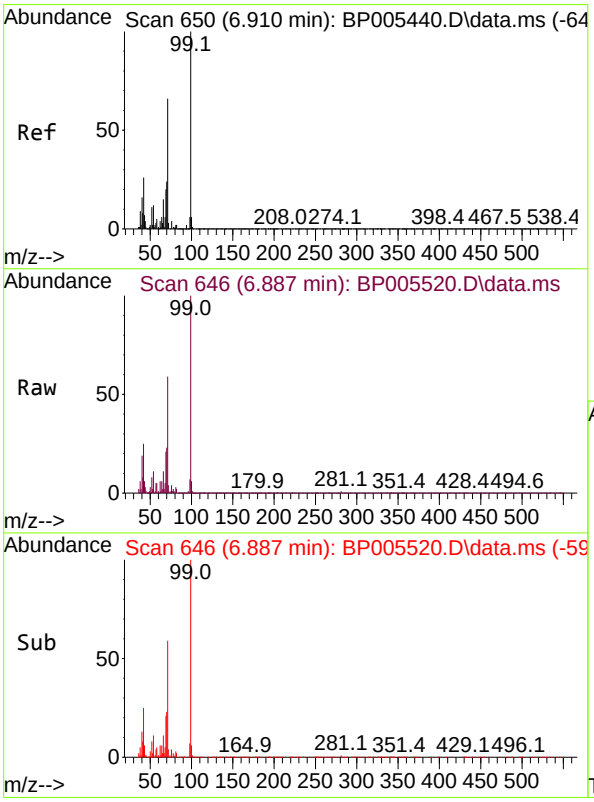



#5
2-Fluorophenol
Concen: 22.22 ng
RT: 5.281 min Scan# 373
Delta R.T. -0.006 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion:112 Resp: 22309

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.6 | 33.6 | 50.4# |
| 63 | 46.4 | 18.6 | 27.8# |

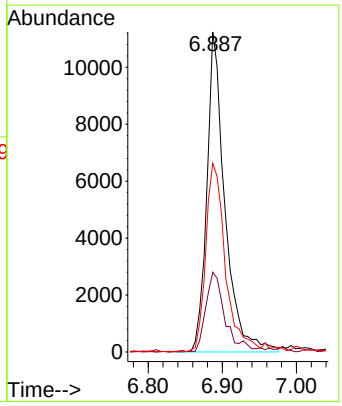


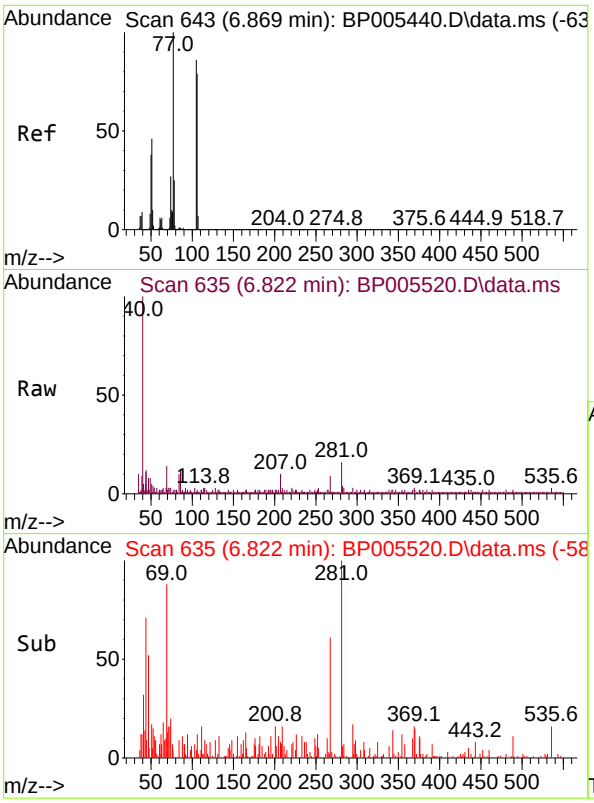

#7
Phenol-d6
Concen: 15.21 ng
RT: 6.887 min Scan# 646
Delta R.T. -0.006 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion: 99 Resp: 19038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 24.9 | 12.9 | 19.3# |
| 71 | 59.0 | 26.7 | 40.1# |



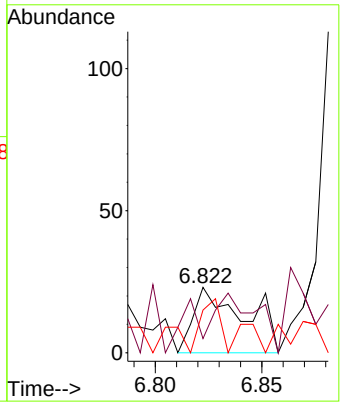
**Instrument :**
BNA_P
**ClientSampleId :**
OR-03-051121

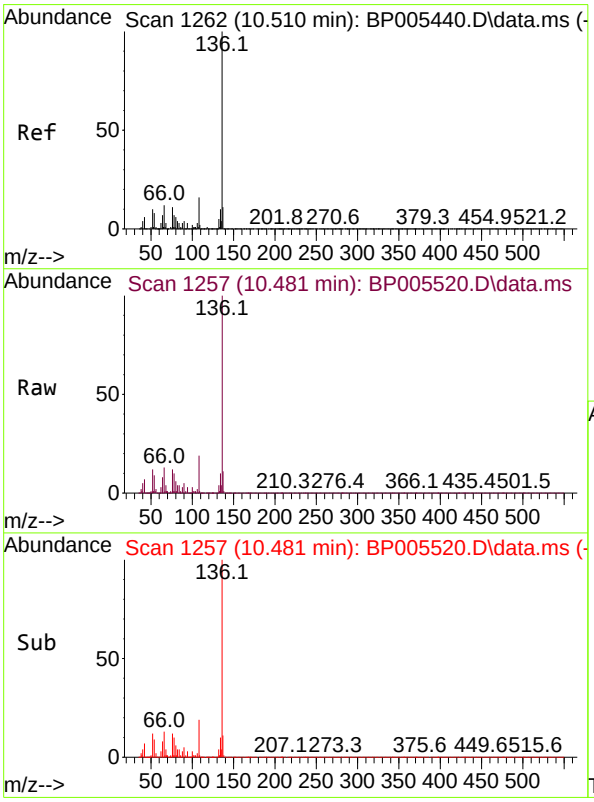



#9
Benzaldehyde
Concen: Below Cal
RT: 6.822 min Scan# 635
Delta R.T. -0.024 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion: 77 Resp: 38

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 21.7 | 89.4 | 129.4# |
| 106 | 65.2 | 79.9 | 119.9# |

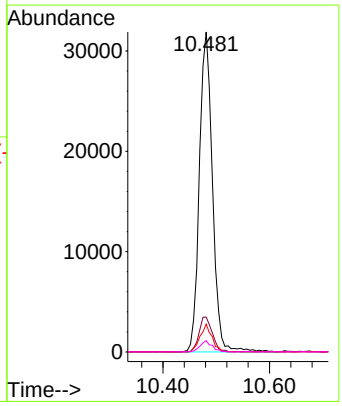


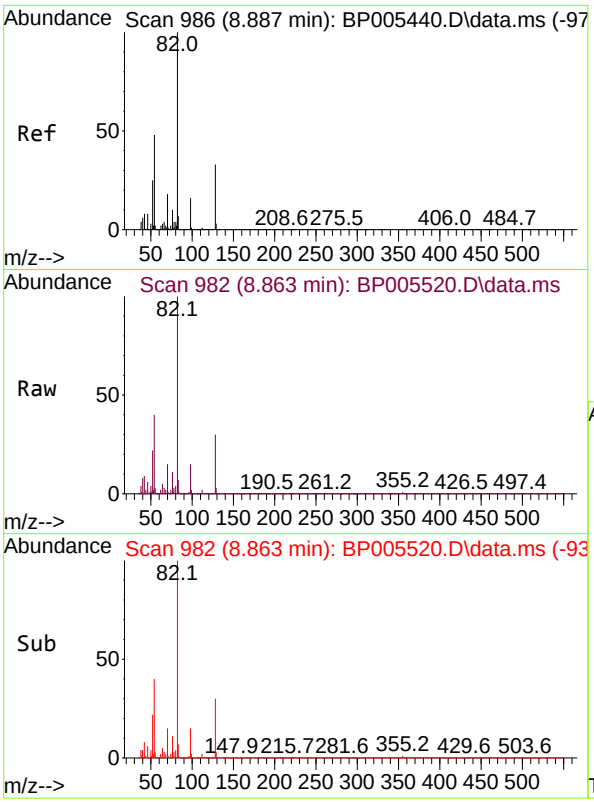

#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.481 min Scan# 1257
Delta R.T. -0.012 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion:136 Resp: 54527

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.9 | 13.3 |
| 54 | 8.7 | 5.0 | 7.4# |
| 68 | 3.5 | 3.7 | 5.5# |



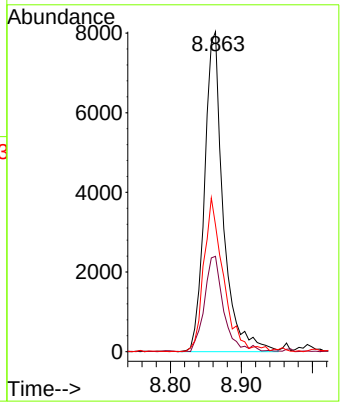
**Instrument :**
BNA_P
**ClientSampleId :**
OR-03-051121

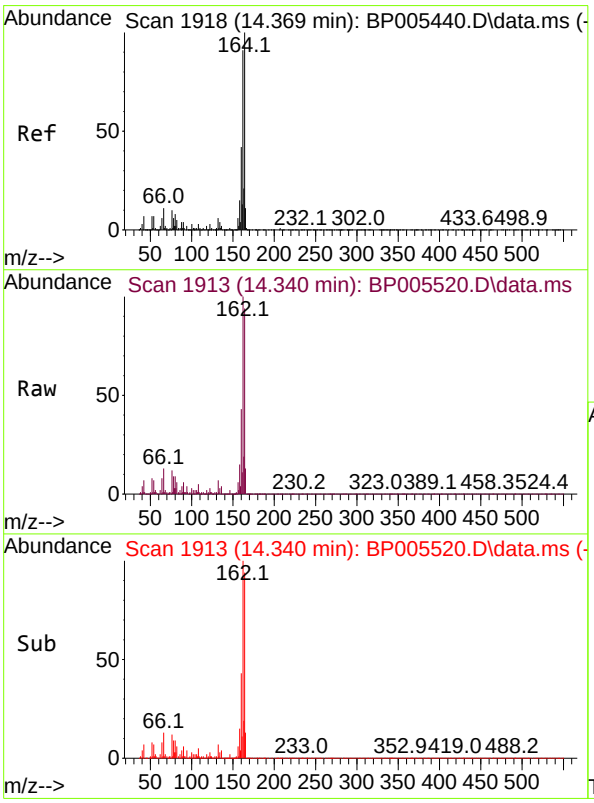



#23
Nitrobenzene-d5
Concen: 10.59 ng
RT: 8.863 min Scan# 982
Delta R.T. -0.000 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion: 82 Resp: 14667

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 29.8 | 30.5 | 45.7# |
| 54 | 39.6 | 33.9 | 50.9 |

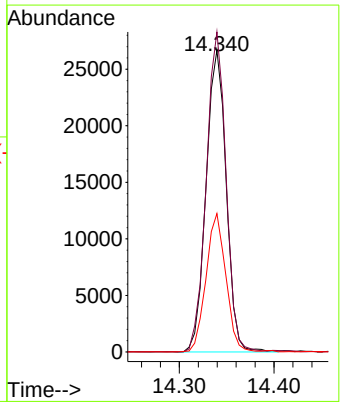


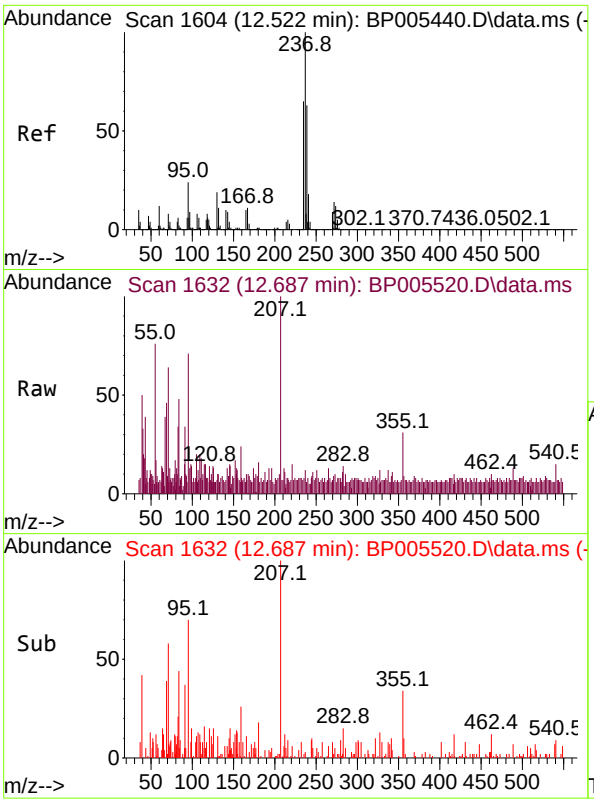

#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.340 min Scan# 1913
Delta R.T. 0.000 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion:164 Resp: 39378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.0 | 73.5 | 110.3 |
| 160 | 45.9 | 40.6 | 61.0 |



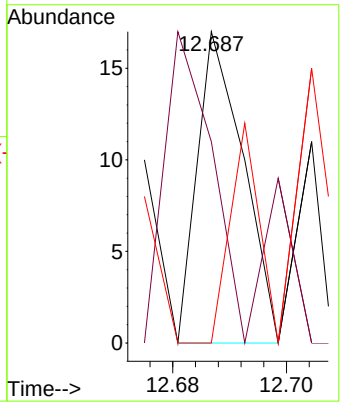
**Instrument :**
BNA_P
**ClientSampleId :**
OR-03-051121

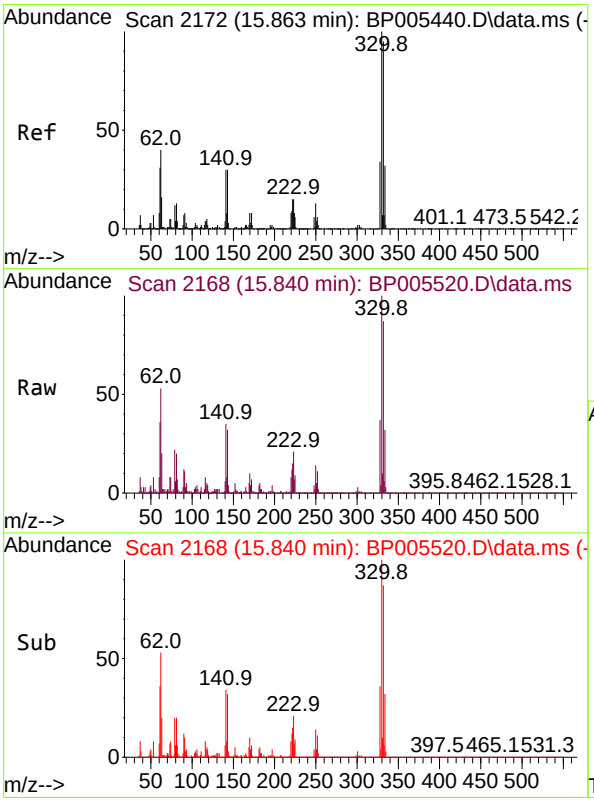



#41
Hexachlorocyclopentadiene
Concen: 7.88 ng
RT: 12.687 min Scan# 1632
Delta R.T. 0.188 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion:237 Resp: 10

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 237 | 100 | | |
| 235 | 64.7 | 40.9 | 80.9 |
| 272 | 0.0 | 0.0 | 34.6 |

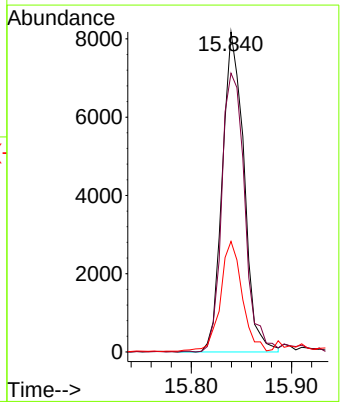


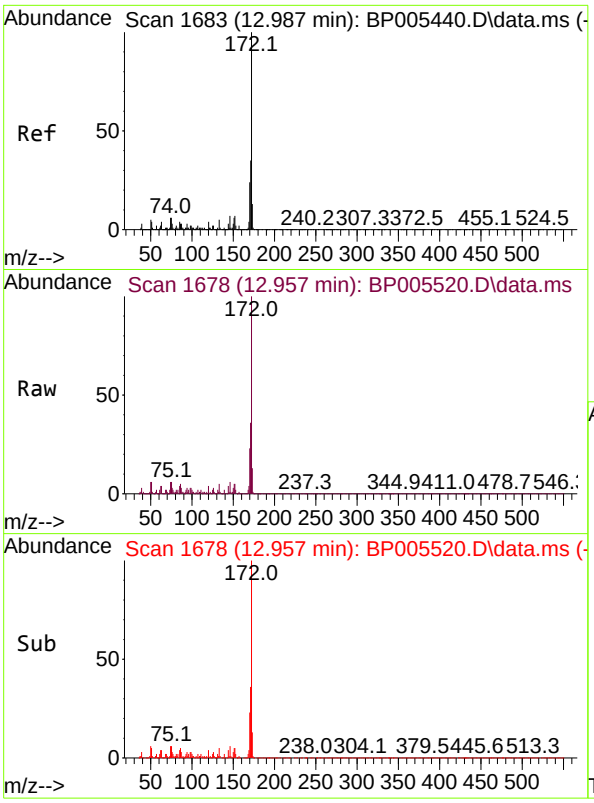

#42
2,4,6-Tribromophenol
Concen: 10.94 ng
RT: 15.840 min Scan# 2168
Delta R.T. -0.000 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion:330 Resp: 12220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 92.7 | 76.3 | 114.5 |
| 141 | 34.8 | 22.8 | 34.2# |



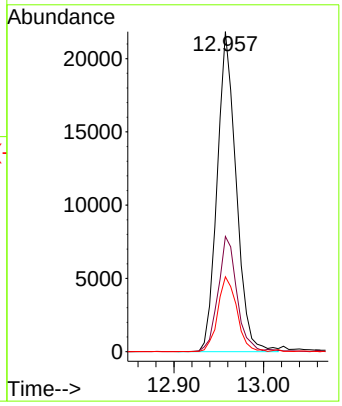
**Instrument :**
BNA_P
**ClientSampleId :**
OR-03-051121

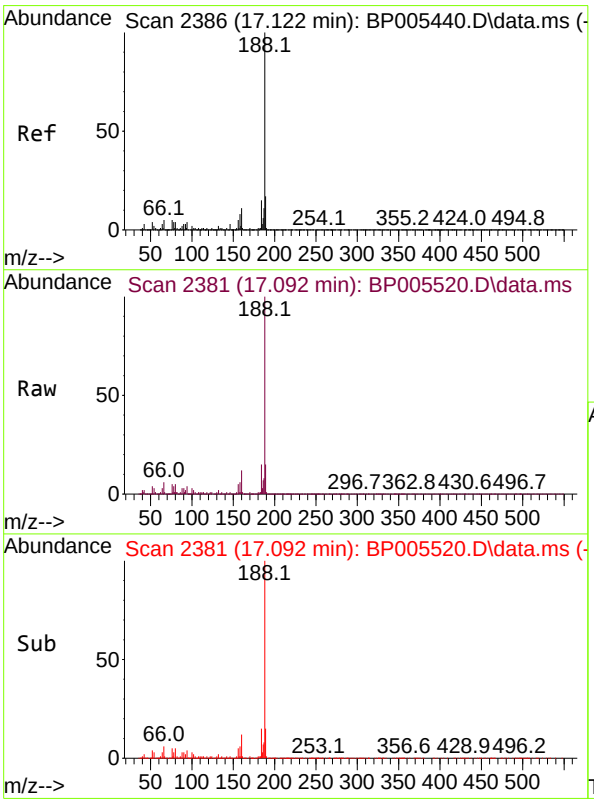



#45
2-Fluorobiphenyl
Concen: 9.20 ng
RT: 12.957 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion:172 Resp: 32107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.0 | 28.1 | 42.1 |
| 170 | 23.4 | 19.6 | 29.4 |

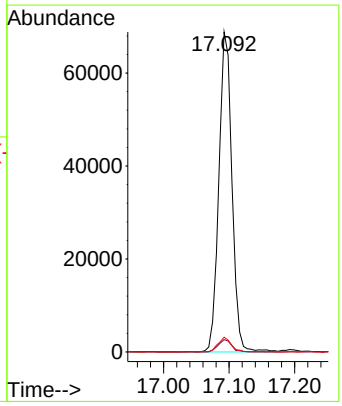


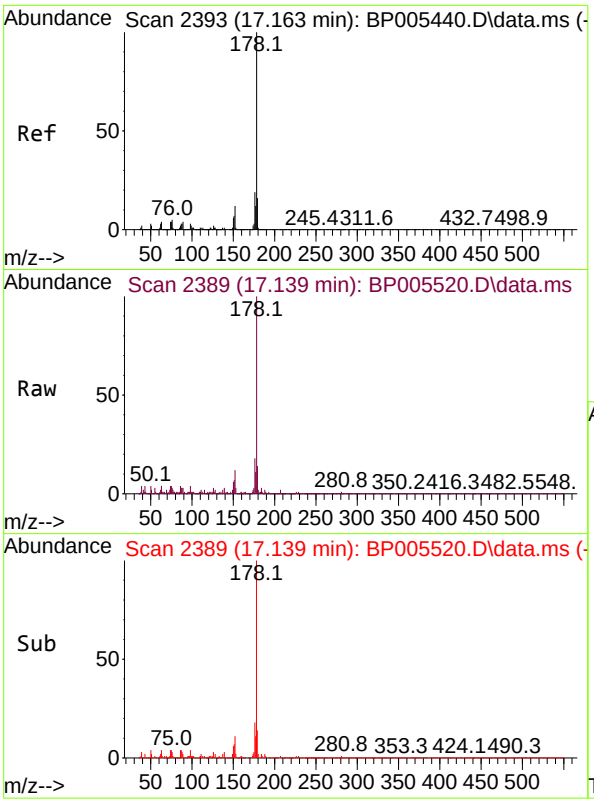

#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion:188 Resp: 95022

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 3.9 | 5.0 | 7.6# |
| 80 | 4.6 | 5.9 | 8.9# |



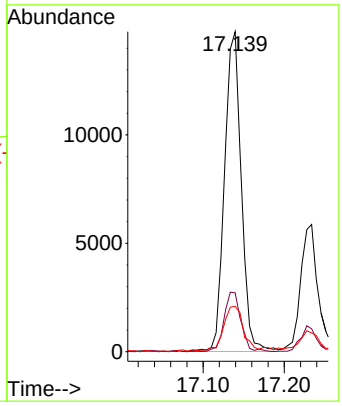
**Instrument :**
BNA_P
**ClientSampleId :**
OR-03-051121

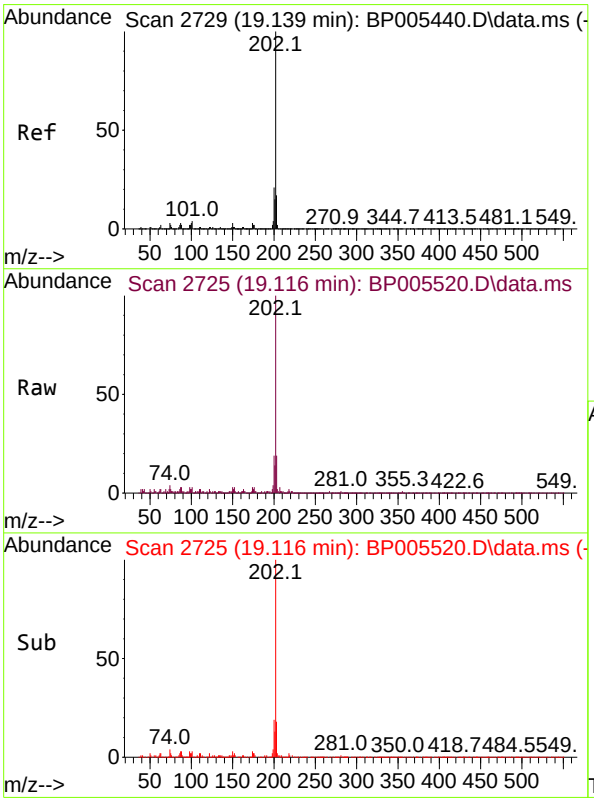



#71
Phenanthrene
Concen: 3.92 ng
RT: 17.139 min Scan# 2389
Delta R.T. -0.000 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion:178 Resp: 21181

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.4 | 15.4 | 23.2 |
| 179 | 14.2 | 12.3 | 18.5 |

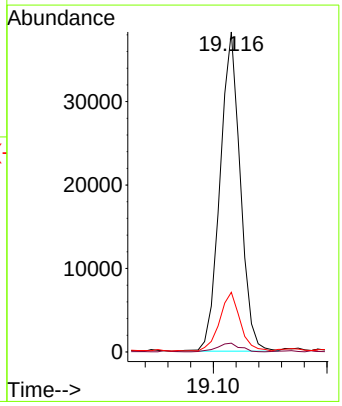


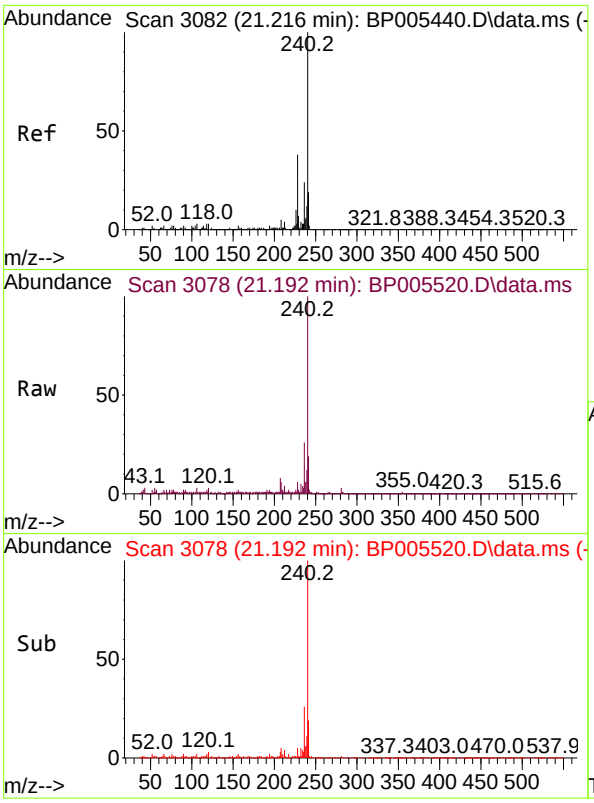

#75
Fluoranthene
Concen: 6.39 ng
RT: 19.116 min Scan# 2725
Delta R.T. -0.000 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion:202 Resp: 47426

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 2.8 | 0.0 | 26.1 |
| 203 | 18.7 | 0.0 | 37.2 |



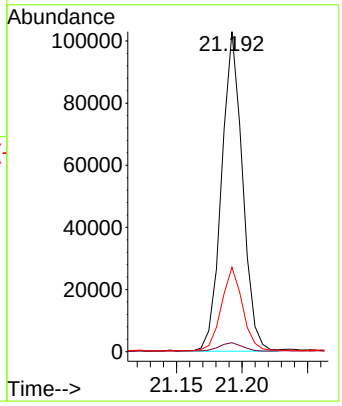
**Instrument :**
BNA_P
**ClientSampleId :**
OR-03-051121

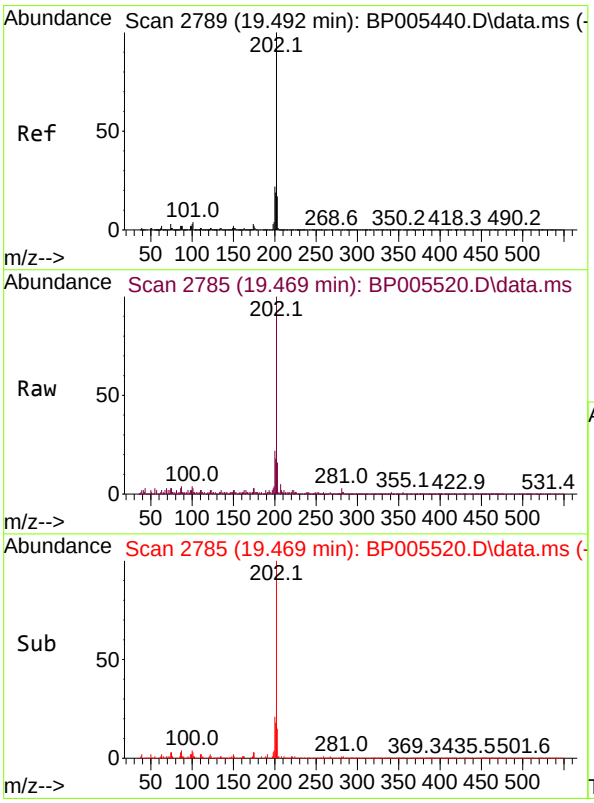



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.192 min Scan# 3078
Delta R.T. 0.000 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion:240 Resp: 114044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 2.8 | 4.2 | 6.2# |
| 236 | 26.3 | 20.2 | 30.2 |

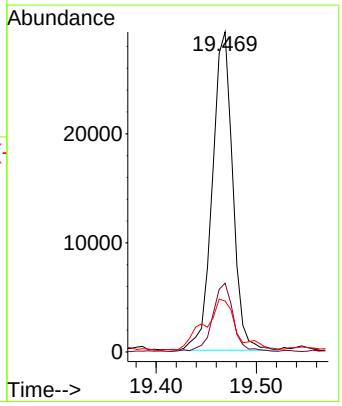


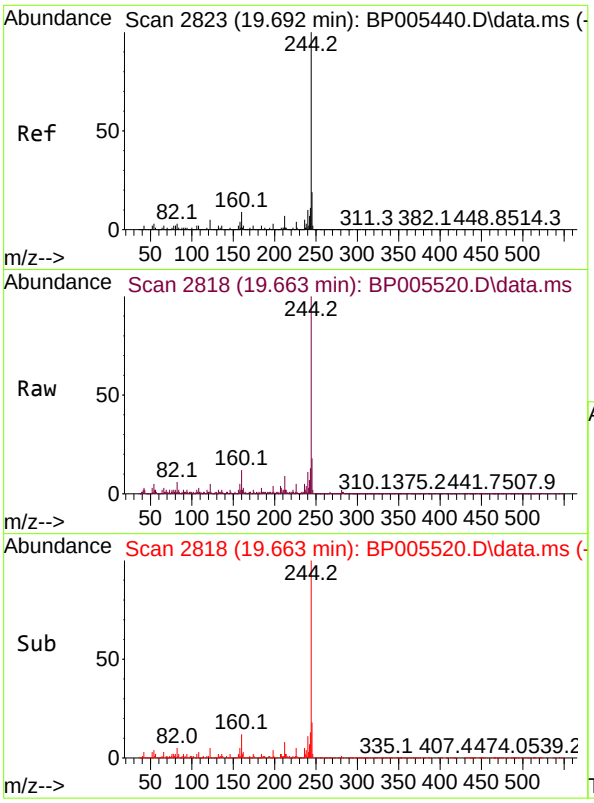

#78
Pyrene
Concen: 6.35 ng
RT: 19.469 min Scan# 2785
Delta R.T. -0.000 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion:202 Resp: 41006

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.5 | 16.9 | 25.3 |
| 203 | 15.9 | 13.8 | 20.6 |



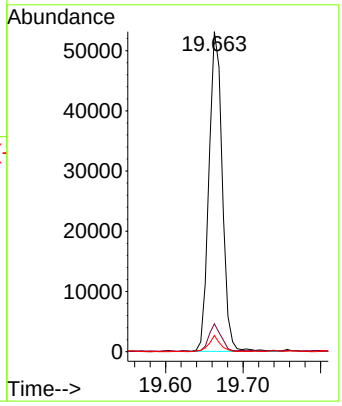
**Instrument :**
BNA_P
**ClientSampleId :**
OR-03-051121

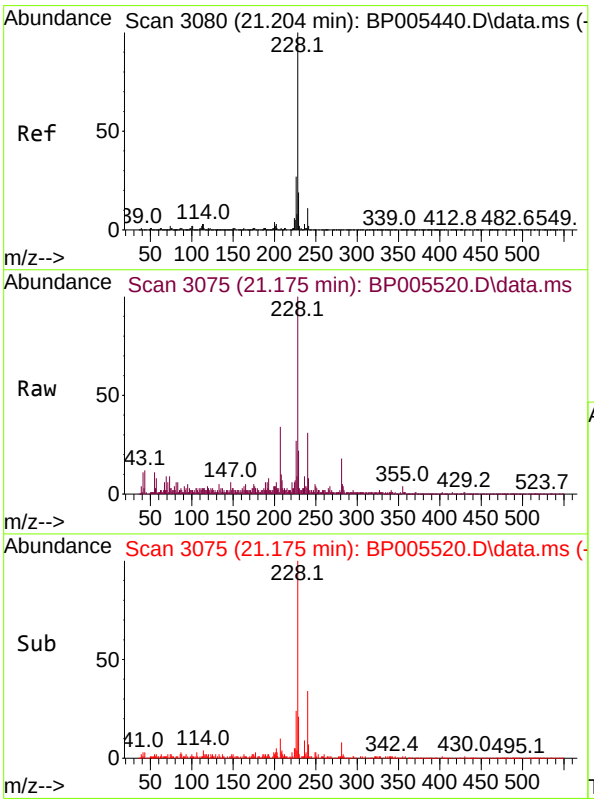



#79
Terphenyl-d14
Concen: 9.45 ng
RT: 19.663 min Scan# 2818
Delta R.T. -0.006 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion:244 Resp: 63451

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.7 | 5.8 | 8.6# |
| 122 | 5.1 | 5.2 | 7.8# |

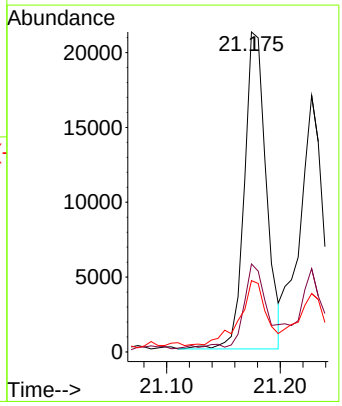


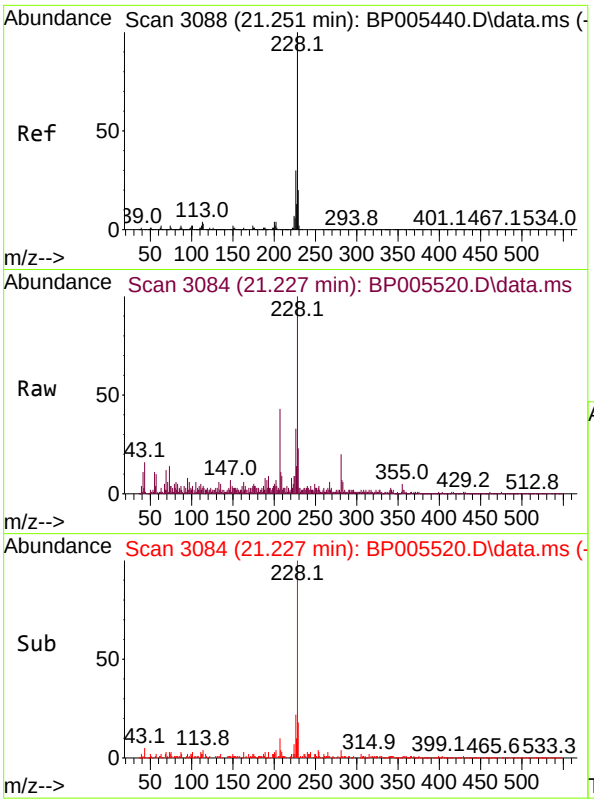

#81
Benzo(a)anthracene
Concen: 3.83 ng
RT: 21.175 min Scan# 3075
Delta R.T. 0.000 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion:228 Resp: 28292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.5 | 21.2 | 31.8 |
| 229 | 22.3 | 15.6 | 23.4 |



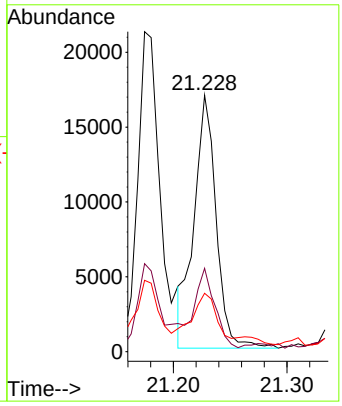
**Instrument :**
BNA_P
**ClientSampleId :**
OR-03-051121

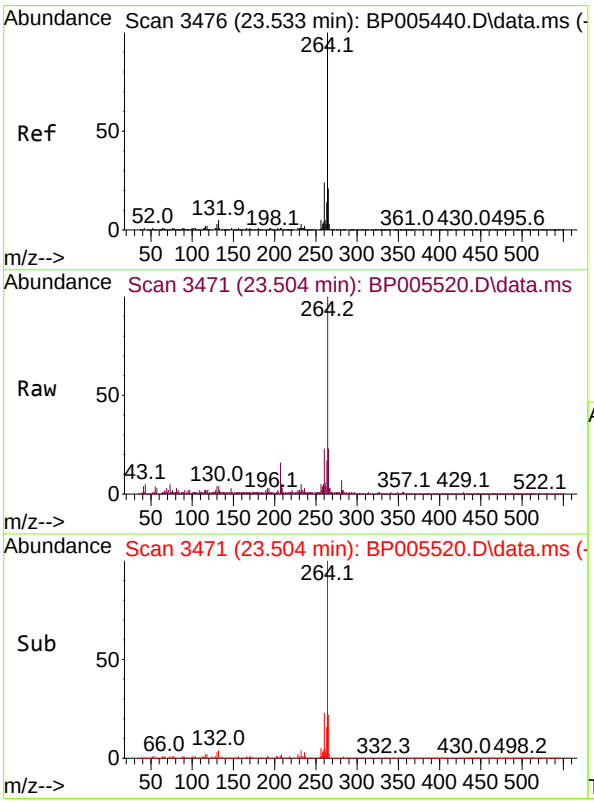



#83
Chrysene
Concen: 3.21 ng
RT: 21.227 min Scan# 3084
Delta R.T. -0.000 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion:228 Resp: 23023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 32.5 | 24.8 | 37.2 |
| 229 | 22.8 | 15.4 | 23.0 |

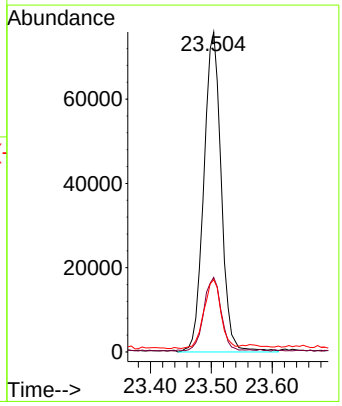


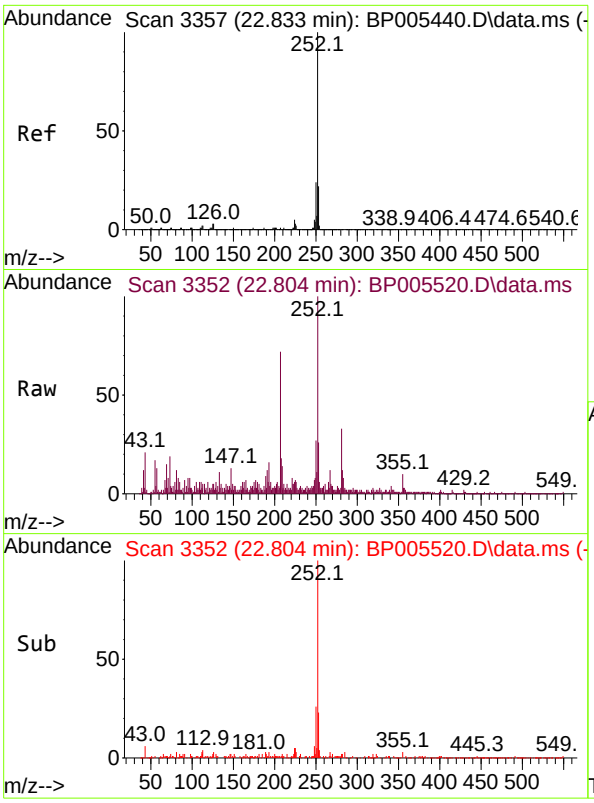

#86
Perylene-d12
Concen: 20.00 ng
RT: 23.504 min Scan# 3471
Delta R.T. -0.000 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion:264 Resp: 150577

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 20.6 | 30.8 |
| 265 | 22.6 | 19.0 | 28.6 |



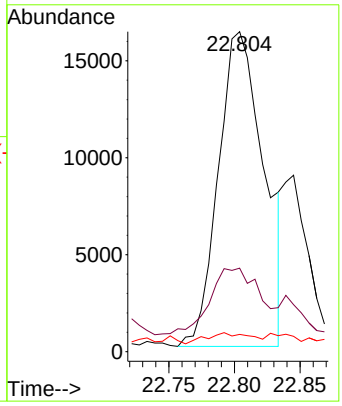
**Instrument :**
BNA_P
**ClientSampleId :**
OR-03-051121

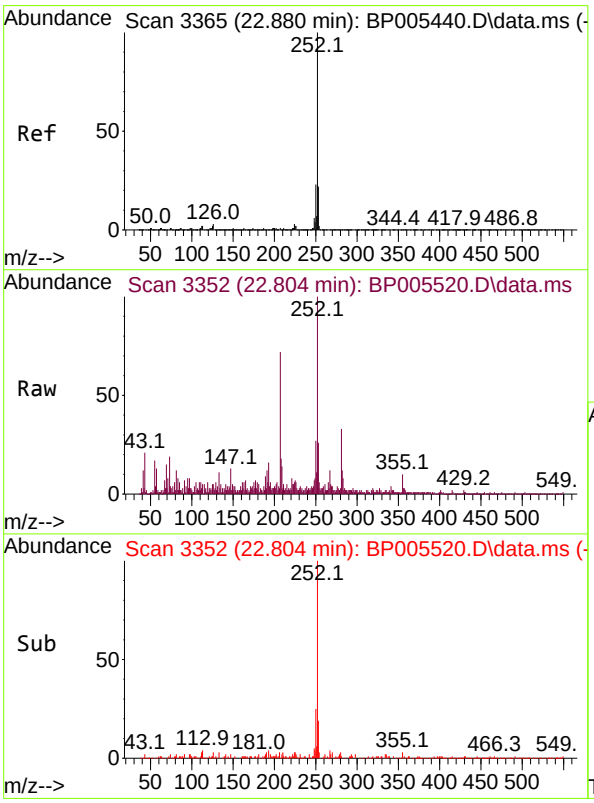



#88
Benzo(b)fluoranthene
Concen: 3.90 ng
RT: 22.804 min Scan# 3352
Delta R.T. 0.006 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion:252 Resp: 39182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.1 | 18.2 | 27.2 |
| 125 | 5.4 | 3.4 | 5.0# |

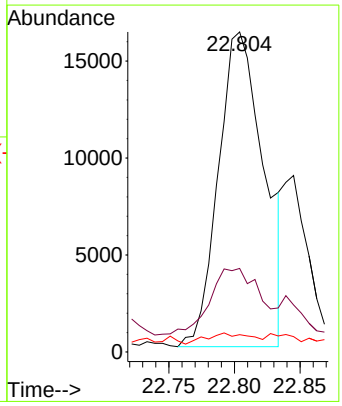


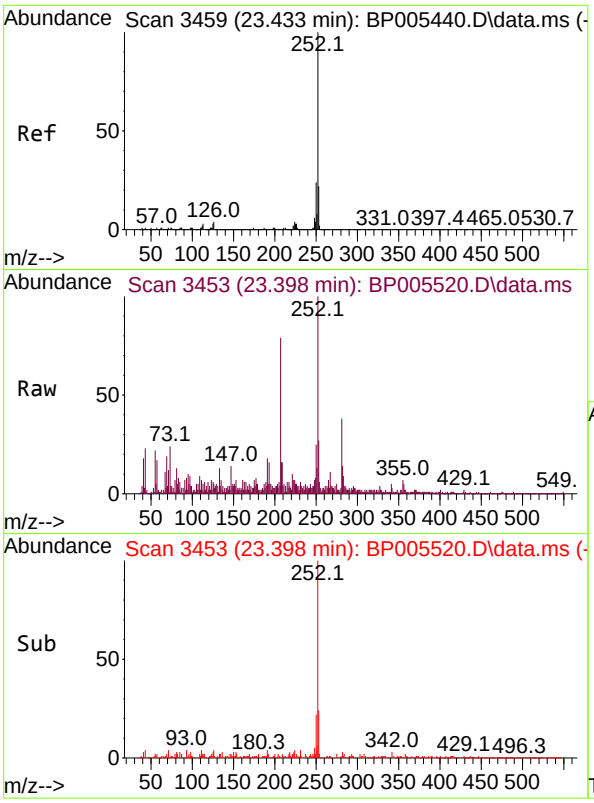




#89
Benzo(k)fluoranthene
Concen: 3.99 ng
RT: 22.804 min Scan# 3352
Delta R.T. -0.041 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion:252 Resp: 39182

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 26.1 | 17.2 | 25.8# |
| 125 | 5.4 | 3.8 | 5.6 |

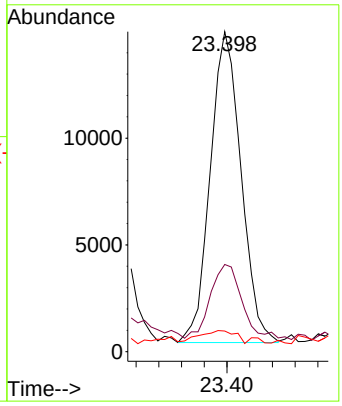





#90
Benzo(a)pyrene
Concen: 2.98 ng
RT: 23.398 min Scan# 3453
Delta R.T. -0.000 min
Lab File: BP005520.D
Acq: 13 May 2021 00:11

Tgt Ion:252 Resp: 27419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 27.2 | 17.1 | 25.7# |
| 125 | 6.4 | 3.8 | 5.6# |




**Instrument :**
BNA_P
**ClientSampleId :**
OR-03-051121