Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050121\
Data File : BN014512.D
Acq On : 01 May 2021 13:30
Operator : CG/JU
Sample : M2208-03RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :** BNA_N
**ClientSampleId :** BP-VPB-RW8-GW-378-380RE

Quant Time: May 02 02:18:21 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 30 17:46:00 2021
Response via : Initial Calibration

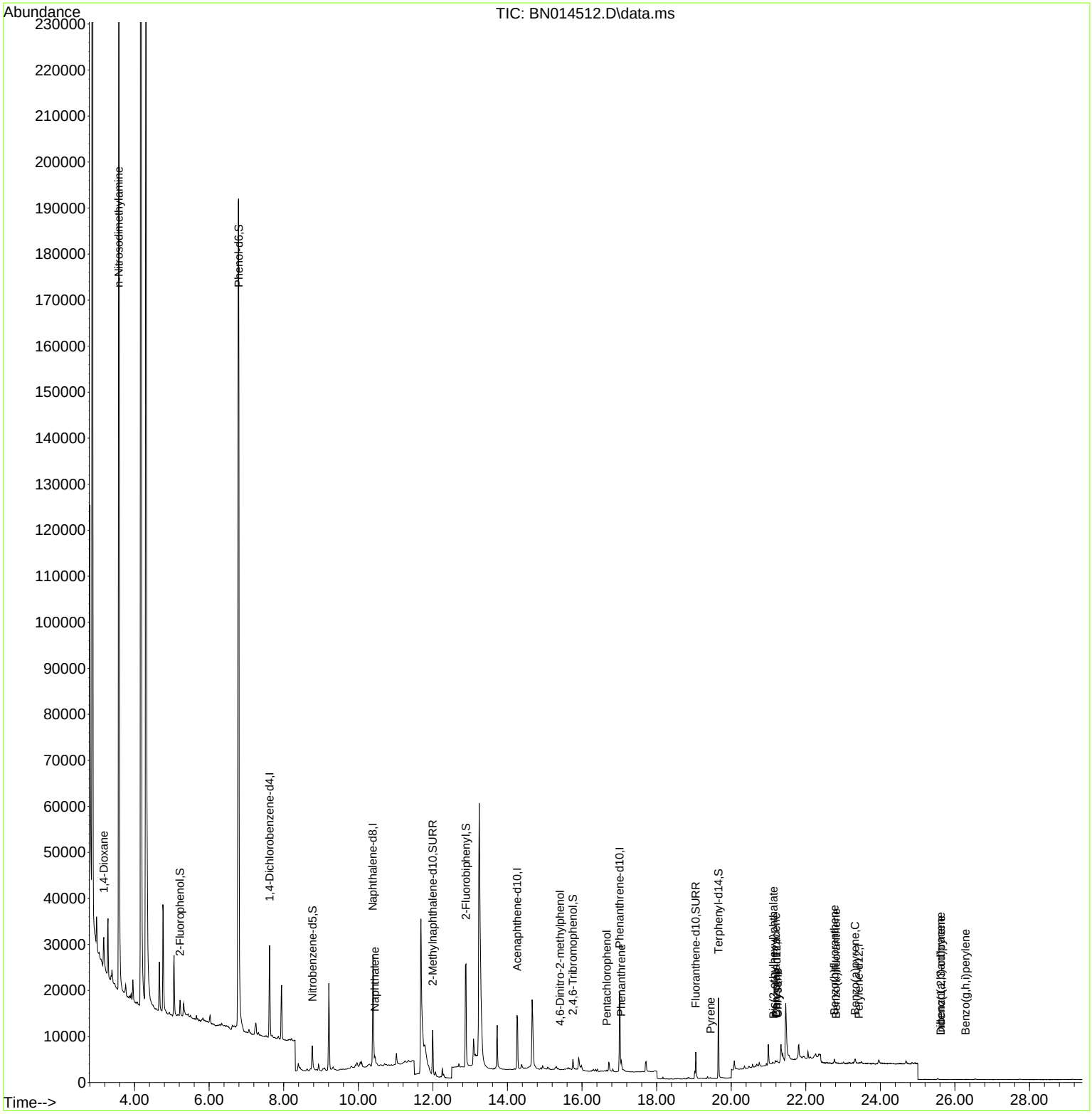
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.620 | 152 | 9926 | 0.40 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.391 | 136 | 36879 | 0.40 | ng | #-0.01 |
| 13) Acenaphthene-d10 | 14.257 | 164 | 7293 | 0.40 | ng | #-0.01 |
| 19) Phenanthrene-d10 | 17.007 | 188 | 26710 | 0.40 | ng | #-0.01 |
| 29) Chrysene-d12 | 21.218 | 240 | 370 | 0.40 | ng | # 0.00 |
| 35) Perylene-d12 | 23.421 | 264 | 3 | 0.40 | ng | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 2-Fluorophenol | 5.220 | 112 | 2987 | 0.15 | ng | 0.00 |
| 5) Phenol-d6 | 6.790 | 99 | 3943 | 0.17 | ng | 0.00 |
| 8) Nitrobenzene-d5 | 8.769 | 82 | 5473 | 0.26 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.995 | 152 | 12833 | 0.17 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.755 | 330 | 1841 | 0.81 | ng | -0.01 |
| 15) 2-Fluorobiphenyl | 12.887 | 172 | 23529 | 0.84 | ng | 0.00 |
| 27) Fluoranthene-d10 | 19.049 | 212 | 6964 | 0.07 | ng | 0.00 |
| 31) Terphenyl-d14 | 19.660 | 244 | 18432 | 21.58 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.174 | 88 | 5886 | 0.50 | ng | # 70 |
| 3) n-Nitrosodimethylamine | 3.577 | 42 | 10563 | 1.78 | ng | # 1 |
| 9) Naphthalene | 10.442 | 128 | 2378 | 0.02 | ng | # 83 |
| 20) 4,6-Dinitro-2-methylph... | 15.412 | 198 | 24 | 0.21 | ng | # 1 |
| 24) Pentachlorophenol | 16.666 | 266 | 166 | 0.34 | ng | # 24 |
| 25) Phenanthrene | 17.055 | 178 | 1939 | 0.03 | ng | # 83 |
| 30) Pyrene | 19.447 | 202 | 174 | 0.14 | ng | # 41 |
| 32) Benzo(a)anthracene | 21.197 | 228 | 141 | 0.13 | ng | # 4 |
| 33) Chrysene | 21.250 | 228 | 117 | 0.10 | ng | # 25 |
| 34) Bis(2-ethylhexyl)phtha... | 21.133 | 149 | 82 | 0.27 | ng | # 1 |
| 36) Indeno(1,2,3-cd)pyrene | 25.625 | 276 | 2 | 0.18 | ng | # 1 |
| 37) Benzo(b)fluoranthene | 22.770 | 252 | 106 | 9.65 | ng | # 1 |
| 38) Benzo(k)fluoranthene | 22.815 | 252 | 14 | 1.10 | ng | # 1 |
| 39) Benzo(a)pyrene | 23.322 | 252 | 88 | 8.89 | ng | # 1 |
| 40) Dibenzo(a,h)anthracene | 25.618 | 278 | 10 | 1.08 | ng | # 1 |
| 41) Benzo(g,h,i)perylene | 26.286 | 276 | 32 | 2.91 | ng | # 1 |

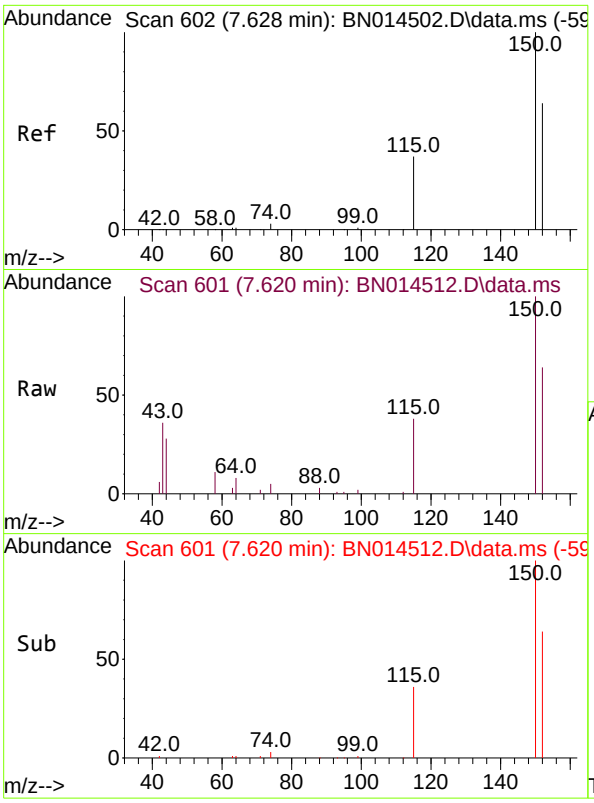
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN050121\
Data File : BN014512.D
Acq On : 01 May 2021 13:30
Operator : CG/JU
Sample : M2208-03RE
Misc :
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
BP-VPB-RW8-GW-378-380RE

Quant Time: May 02 02:18:21 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN043021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 30 17:46:00 2021
Response via : Initial Calibration

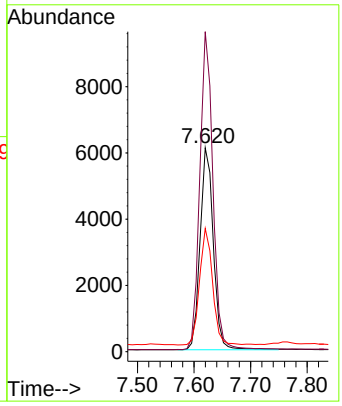




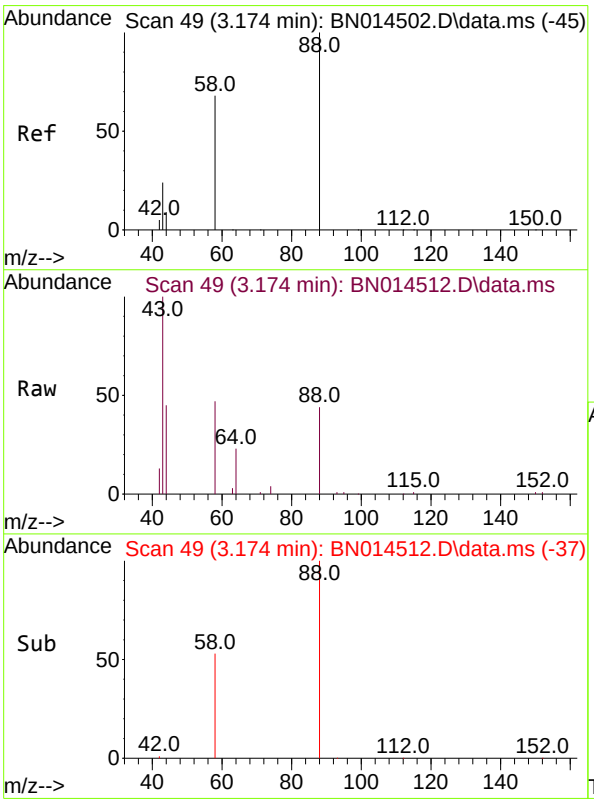

#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.620 min Scan# 601
Delta R.T. -0.008 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:152 Resp: 9926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 157.0 | 123.8 | 185.8 |
| 115 | 60.4 | 47.0 | 70.4 |



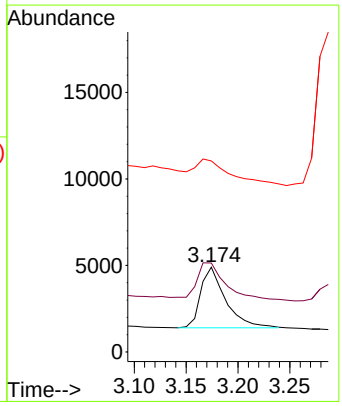

**Instrument :**
BNA_N
**ClientSampleId :**
BP-VPB-RW8-GW-378-380RE



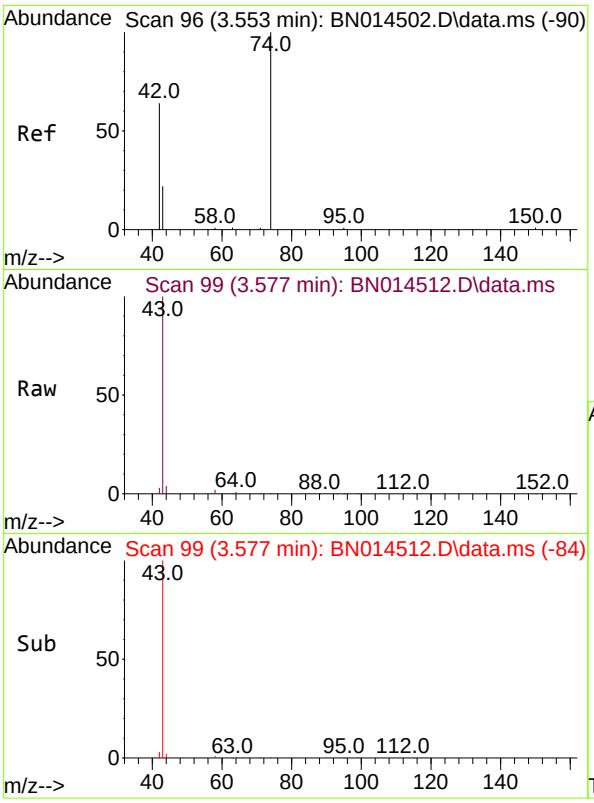

#2
1,4-Dioxane
Concen: 0.50 ng
RT: 3.174 min Scan# 49
Delta R.T. -0.000 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion: 88 Resp: 5886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 88 | 100 | | |
| 58 | 66.9 | 44.4 | 66.6# |
| 43 | 52.3 | 15.9 | 23.9# |



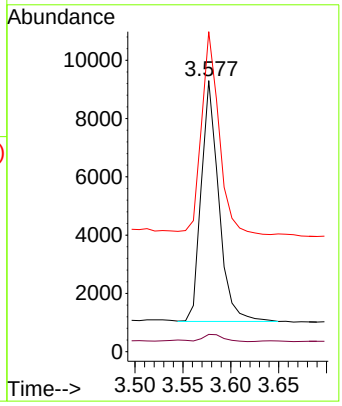
**Instrument :**
BNA_N
**ClientSampleId :**
BP-VPB-RW8-GW-378-380RE

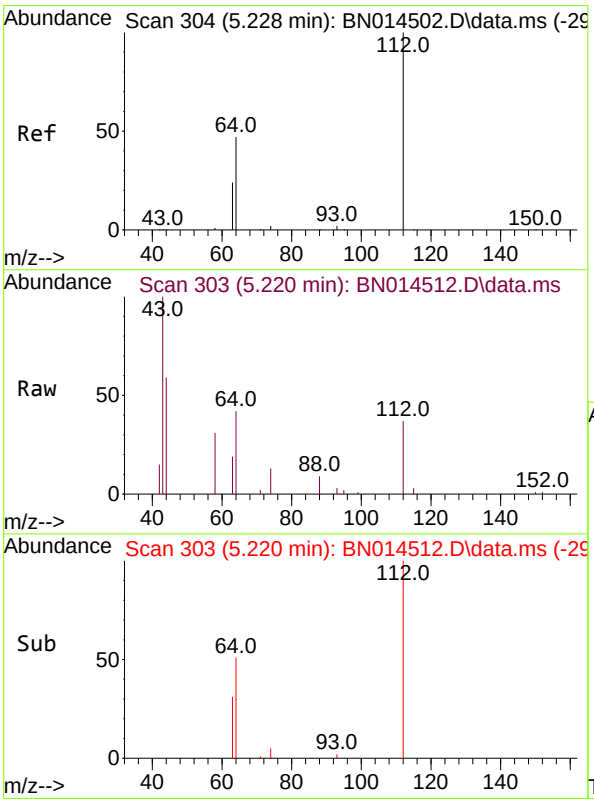



#3
n-Nitrosodimethylamine
Concen: 1.78 ng
RT: 3.577 min Scan# 99
Delta R.T. 0.024 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion: 42 Resp: 10563

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 4.1 | 175.1 | 262.7# |
| 44 | 84.4 | 7.5 | 11.3# |

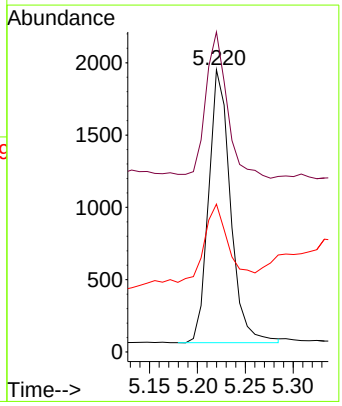


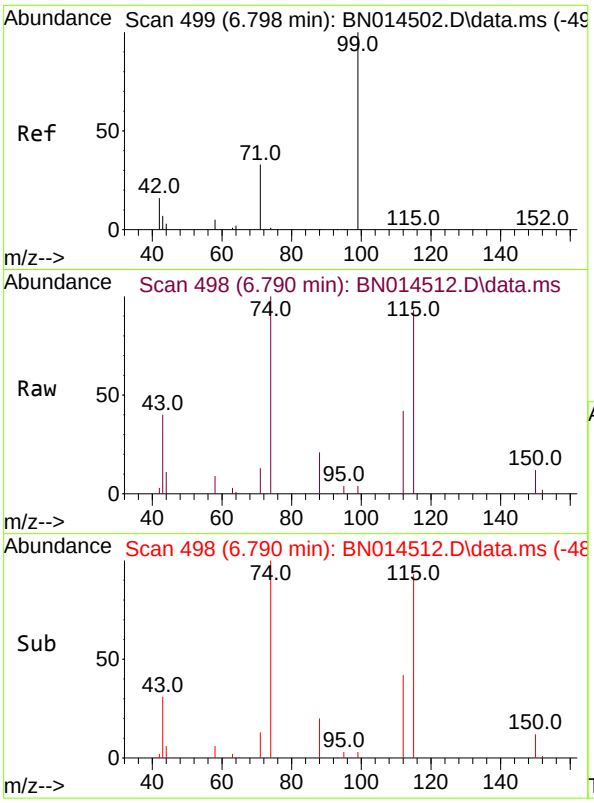




#4
2-Fluorophenol
Concen: 0.15 ng
RT: 5.220 min Scan# 303
Delta R.T. -0.008 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:112 Resp: 2987

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 52.6 | 41.8 | 62.6 |
| 63 | 37.9 | 22.0 | 33.0# |

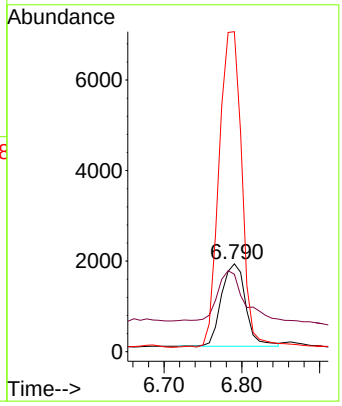




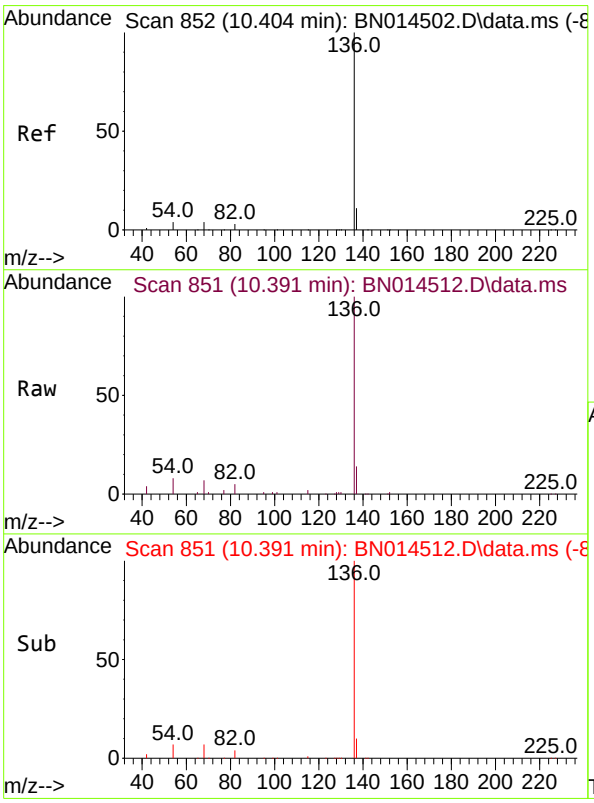

#5
Phenol-d6
Concen: 0.17 ng
RT: 6.790 min Scan# 498
Delta R.T. -0.008 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion: 99 Resp: 3943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 65.8 | 13.2 | 19.8# |
| 71 | 361.7 | 26.2 | 39.2# |



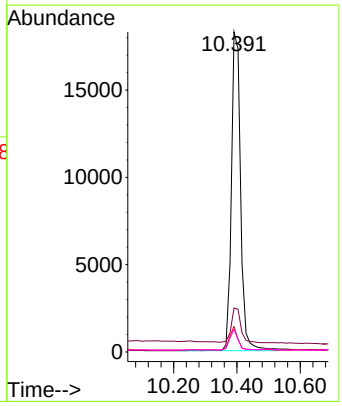

**Instrument :**
BNA_N
**ClientSampleId :**
BP-VPB-RW8-GW-378-380RE



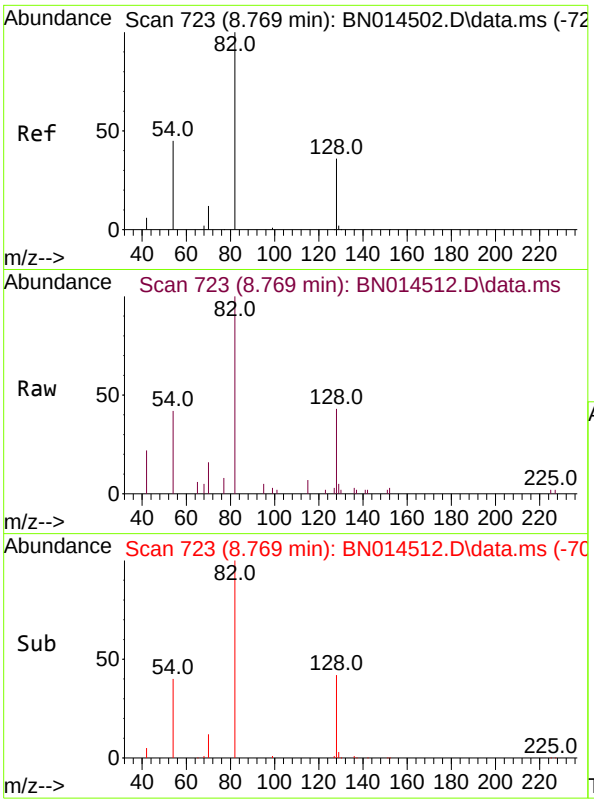

#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.391 min Scan# 851
Delta R.T. -0.013 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:136 Resp: 36879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 13.7 | 8.9 | 13.3# |
| 54 | 7.9 | 3.8 | 5.8# |
| 68 | 7.1 | 3.8 | 5.6# |



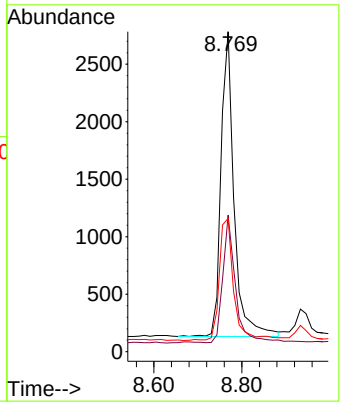
**Instrument :**
BNA_N
**ClientSampleId :**
BP-VPB-RW8-GW-378-380RE

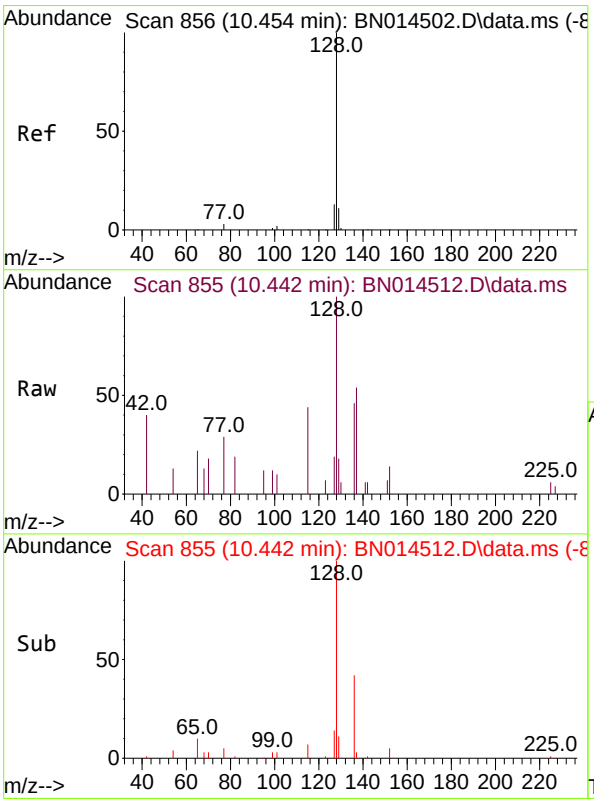



#8
Nitrobenzene-d5
Concen: 0.26 ng
RT: 8.769 min Scan# 723
Delta R.T. -0.000 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion: 82 Resp: 5473

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.7 | 29.5 | 44.3 |
| 54 | 41.6 | 36.9 | 55.3 |

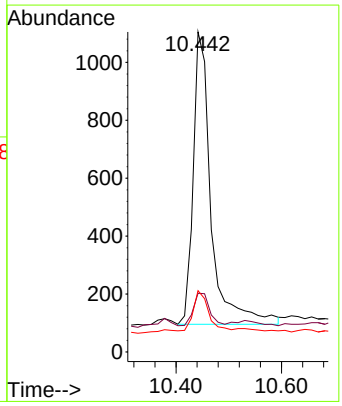


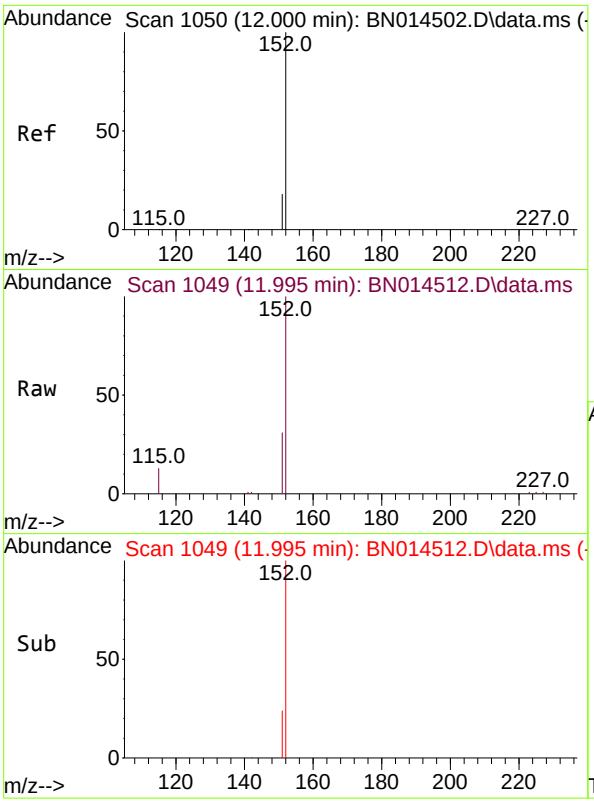

#9
Naphthalene
Concen: 0.02 ng
RT: 10.442 min Scan# 855
Delta R.T. -0.013 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:128 Resp: 2378

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 18.4 | 9.0 | 13.4# |
| 127 | 19.2 | 10.4 | 15.6# |



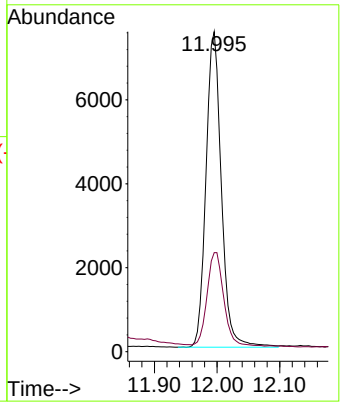
**Instrument :**
BNA_N
**ClientSampleId :**
BP-VPB-RW8-GW-378-380RE

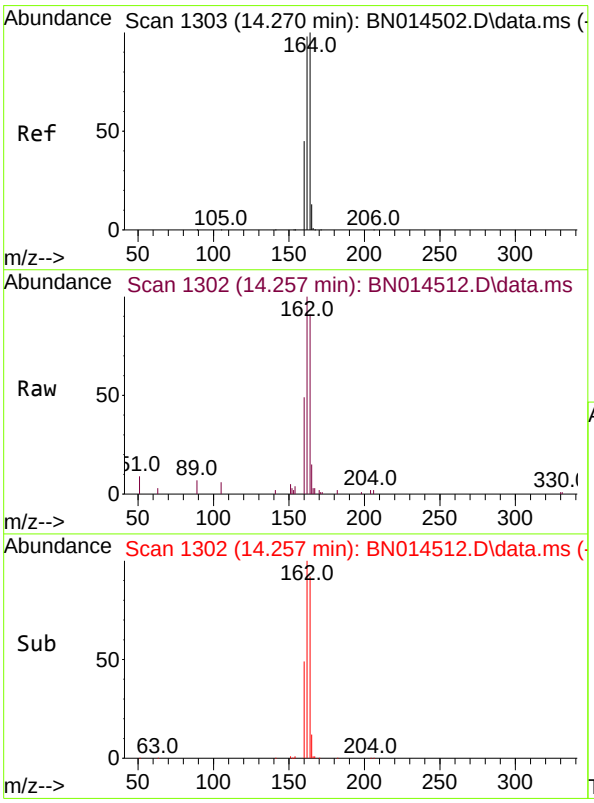



#11
2-Methylnaphthalene-d10
Concen: 0.17 ng
RT: 11.995 min Scan# 1049
Delta R.T. -0.005 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:152 Resp: 12833

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 31.9 | 16.2 | 24.2# |

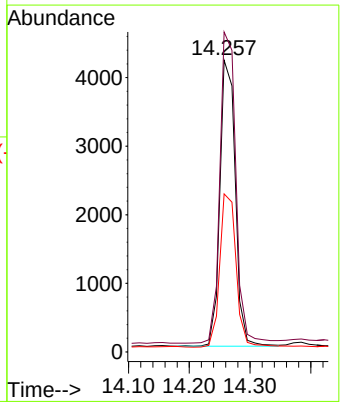


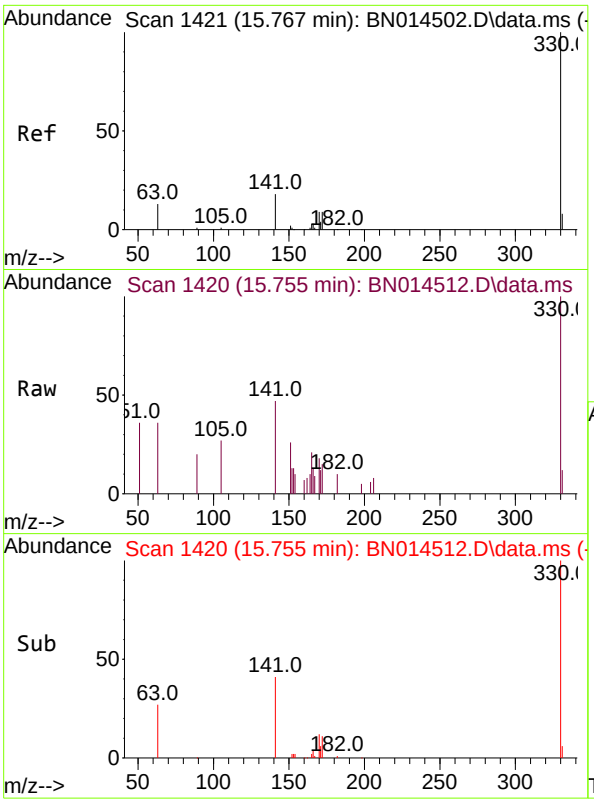

#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.257 min Scan# 1302
Delta R.T. -0.013 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:164 Resp: 7293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 109.7 | 78.6 | 118.0 |
| 160 | 54.2 | 35.8 | 53.8# |



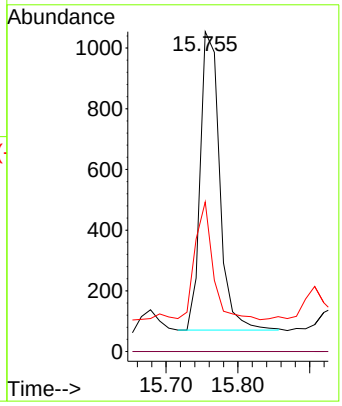
**Instrument :**
BNA_N
**ClientSampleId :**
BP-VPB-RW8-GW-378-380RE

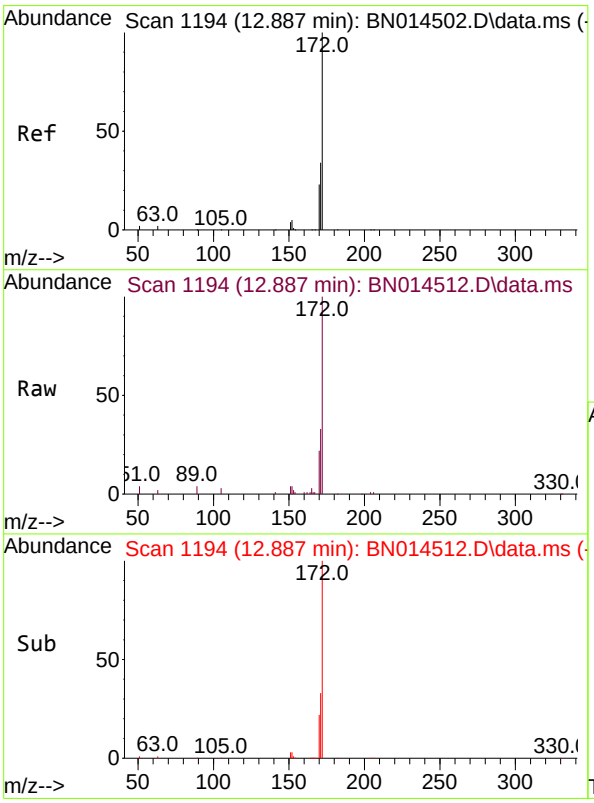



#14
2,4,6-Tribromophenol
Concen: 0.81 ng
RT: 15.755 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:330 Resp: 1841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 0.0 | 0.0 | 0.0 |
| 141 | 36.3 | 27.0 | 40.4 |

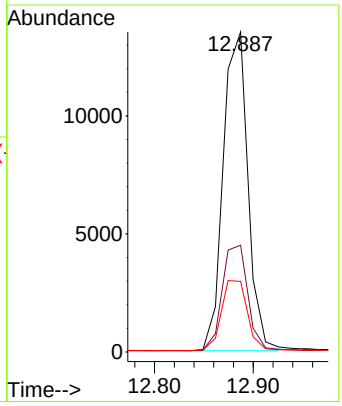


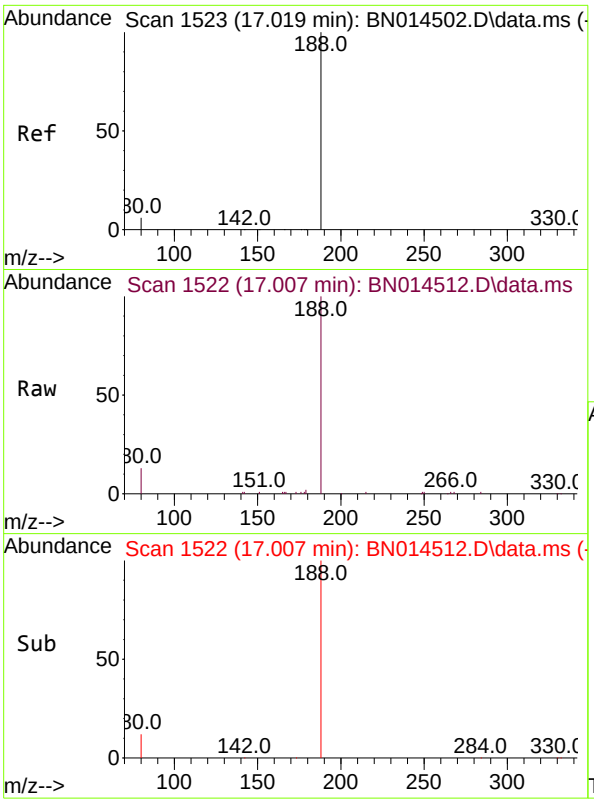

#15
2-Fluorobiphenyl
Concen: 0.84 ng
RT: 12.887 min Scan# 1194
Delta R.T. -0.000 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:172 Resp: 23529

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 33.4 | 27.1 | 40.7 |
| 170 | 22.0 | 18.3 | 27.5 |



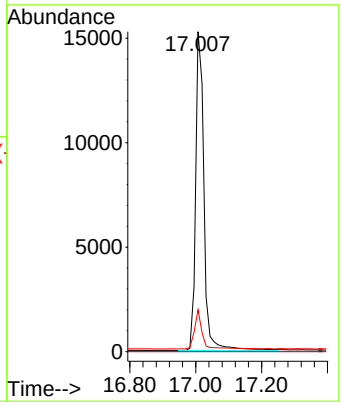
**Instrument :**
BNA_N
**ClientSampleId :**
BP-VPB-RW8-GW-378-380RE

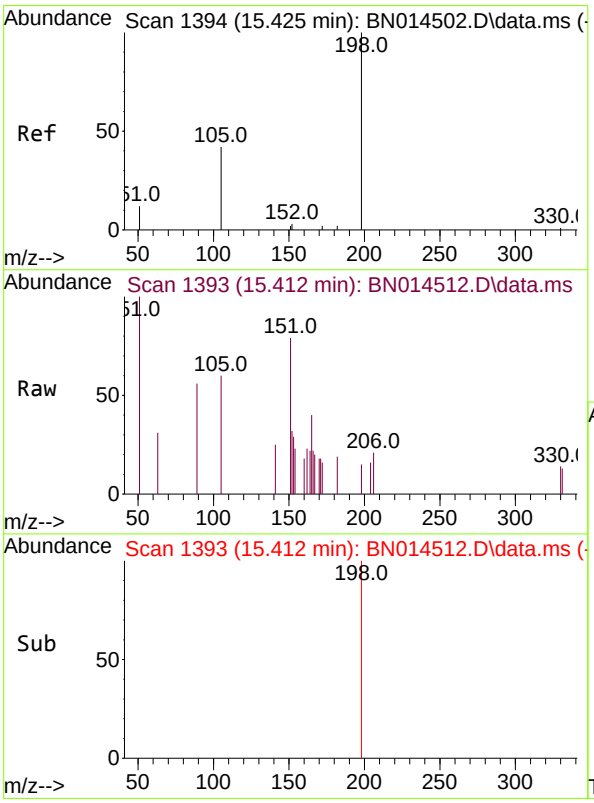



#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.007 min Scan# 1522
Delta R.T. -0.012 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:188 Resp: 26710

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 13.1 | 5.2 | 7.8# |

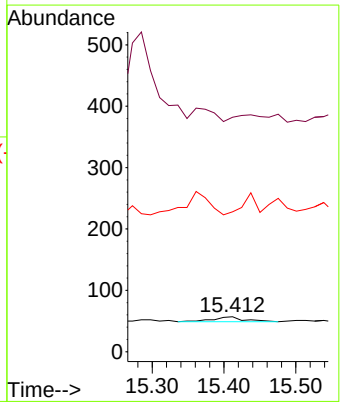


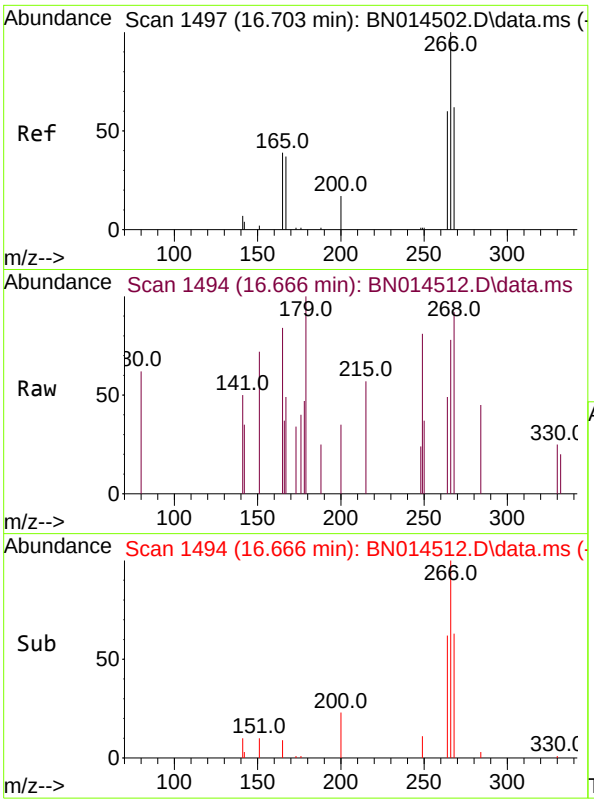




#20
4,6-Dinitro-2-methylphenol
Concen: 0.21 ng
RT: 15.412 min Scan# 1393
Delta R.T. -0.013 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:198 Resp: 24

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 670.2 | 865.3 | 1297.9# |
| 105 | 400.0 | 93.6 | 140.4# |

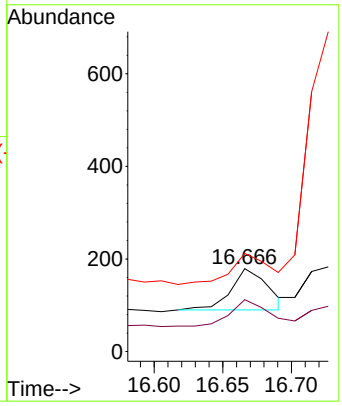




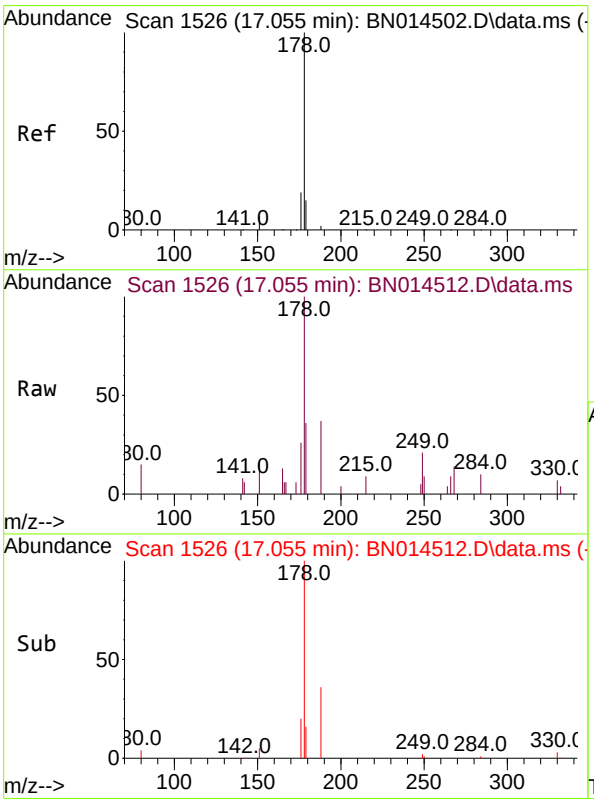

#24
Pentachlorophenol
Concen: 0.34 ng
RT: 16.666 min Scan# 1494
Delta R.T. -0.037 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:266 Resp: 166

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 67.5 | 24.2 | 36.4# |
| 268 | 77.7 | 25.2 | 37.8# |



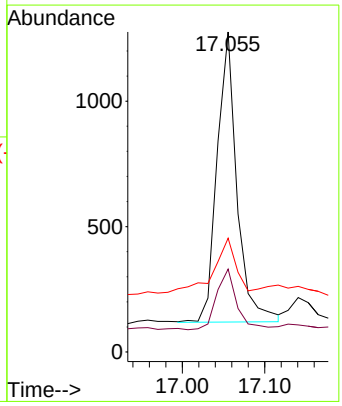

**Instrument :**
BNA_N
**ClientSampleId :**
BP-VPB-RW8-GW-378-380RE

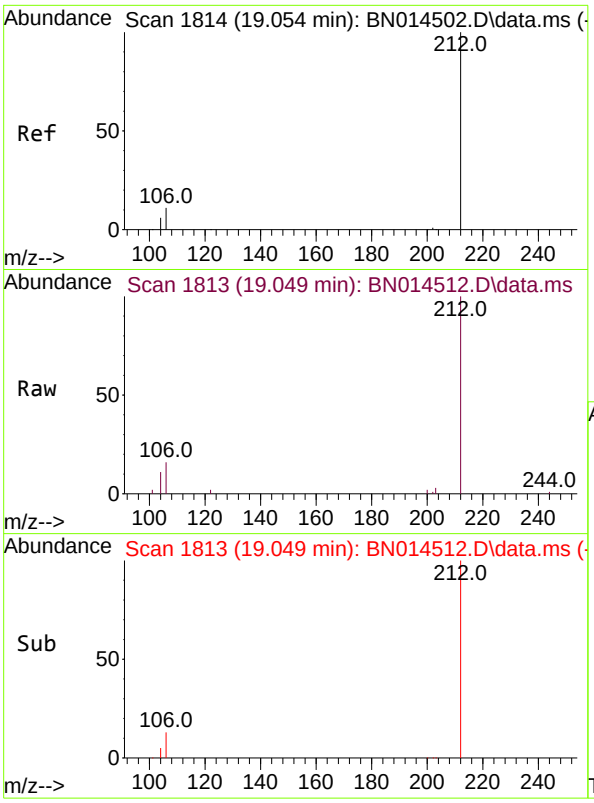



#25
Phenanthrene
Concen: 0.03 ng
RT: 17.055 min Scan# 1526
Delta R.T. -0.000 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:178 Resp: 1939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 21.2 | 15.2 | 22.8 |
| 179 | 29.2 | 12.4 | 18.6# |

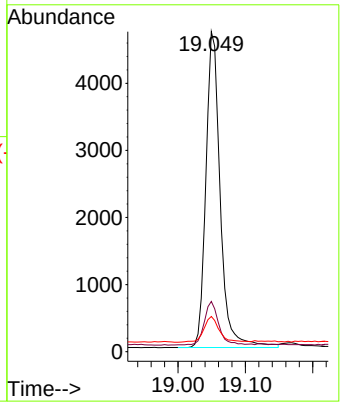




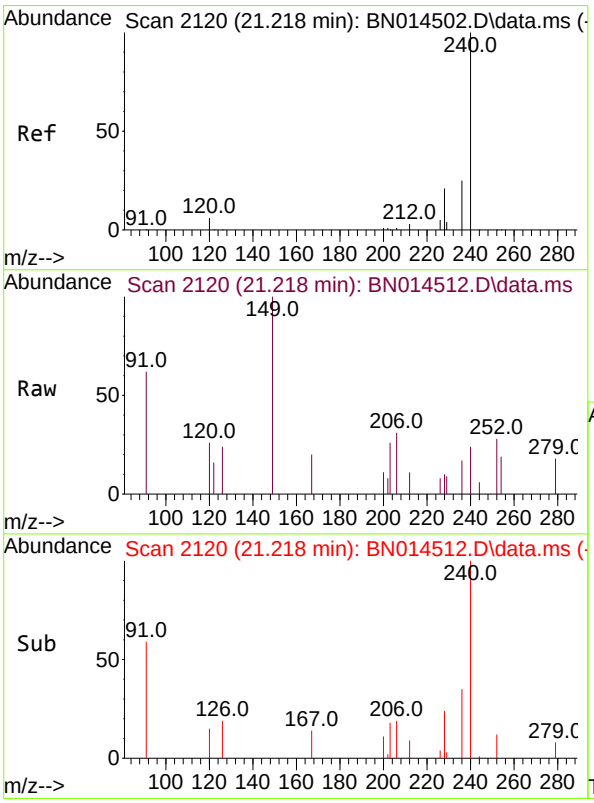

#27
Fluoranthene-d10
Concen: 0.07 ng
RT: 19.049 min Scan# 1813
Delta R.T. -0.005 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:212 Resp: 6964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 13.7 | 10.1 | 15.1 |
| 104 | 8.7 | 5.4 | 8.2# |



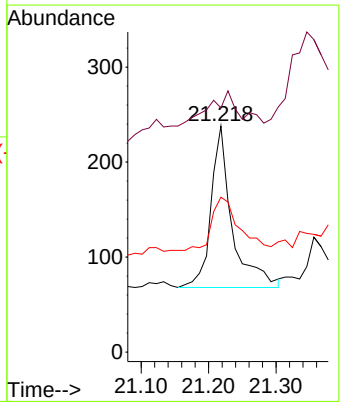

**Instrument :**
BNA_N
**ClientSampleId :**
BP-VPB-RW8-GW-378-380RE



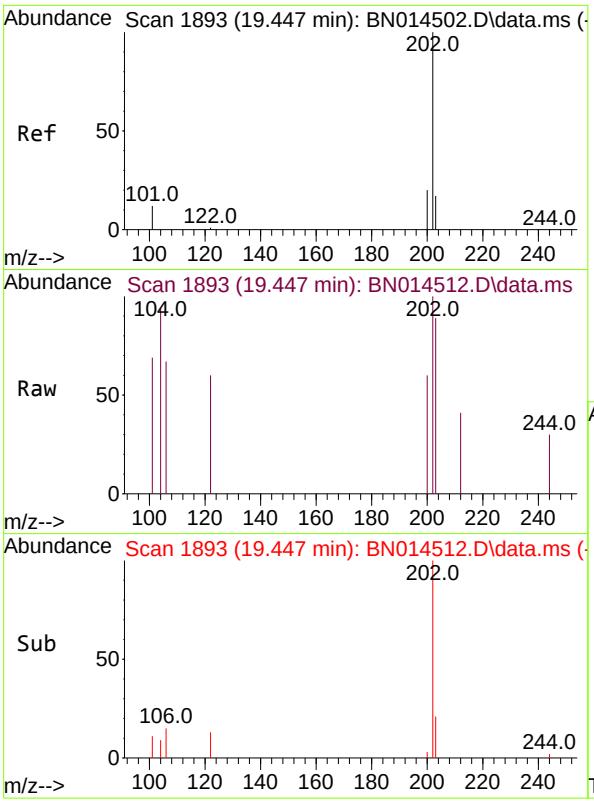

#29
Chrysene-d12
Concen: 0.40 ng
RT: 21.218 min Scan# 2120
Delta R.T. -0.000 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:240 Resp: 370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 108.0 | 5.8 | 8.8# |
| 236 | 68.5 | 20.6 | 30.8# |



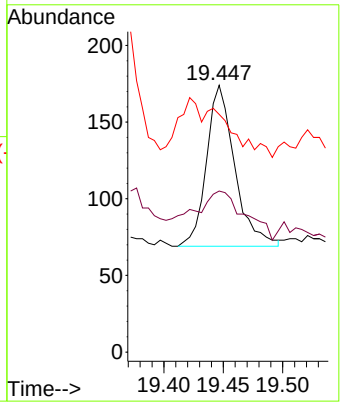
**Instrument :**
BNA_N
**ClientSampleId :**
BP-VPB-RW8-GW-378-380RE

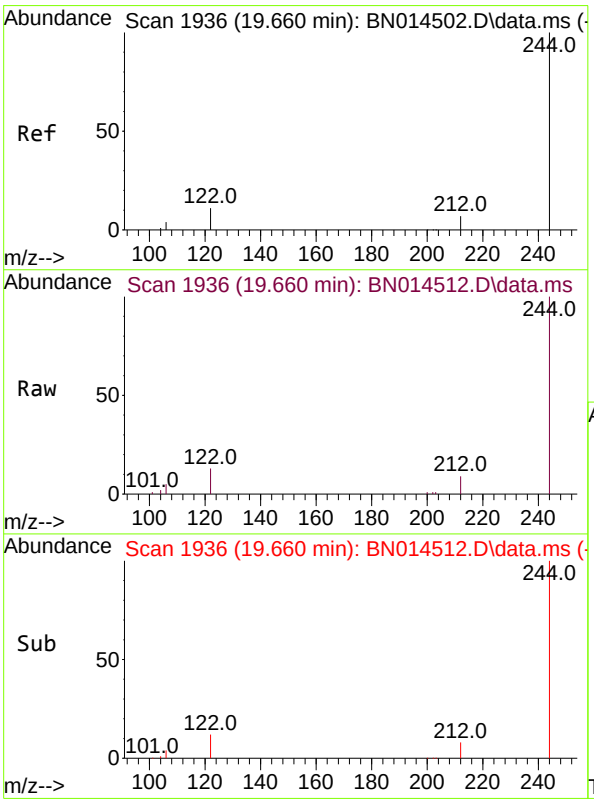



#30
Pyrene
Concen: 0.14 ng
RT: 19.447 min Scan# 1893
Delta R.T. -0.000 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:202 Resp: 174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 55.2 | 16.3 | 24.5# |
| 203 | 0.0 | 14.0 | 21.0# |

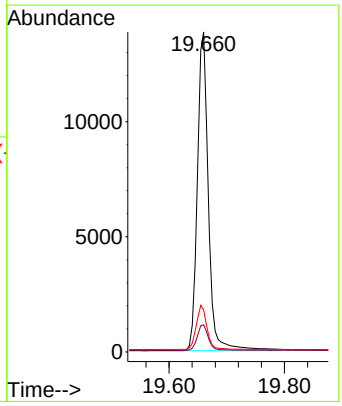


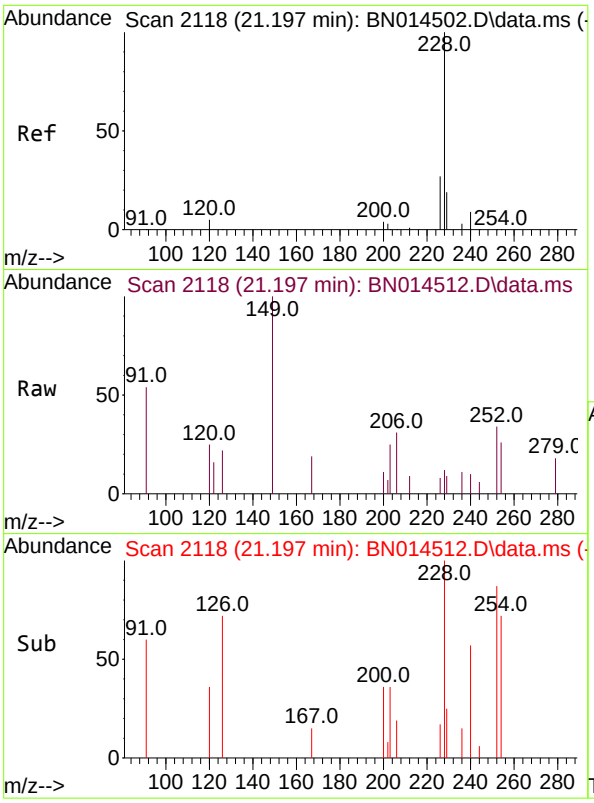

#31
Terphenyl-d14
Concen: 21.58 ng
RT: 19.660 min Scan# 1936
Delta R.T. -0.000 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:244 Resp: 18432

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 8.5 | 6.0 | 9.0 |
| 122 | 13.1 | 9.3 | 13.9 |



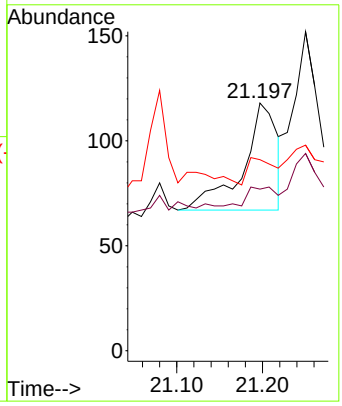
**Instrument :**
BNA_N
**ClientSampleId :**
BP-VPB-RW8-GW-378-380RE

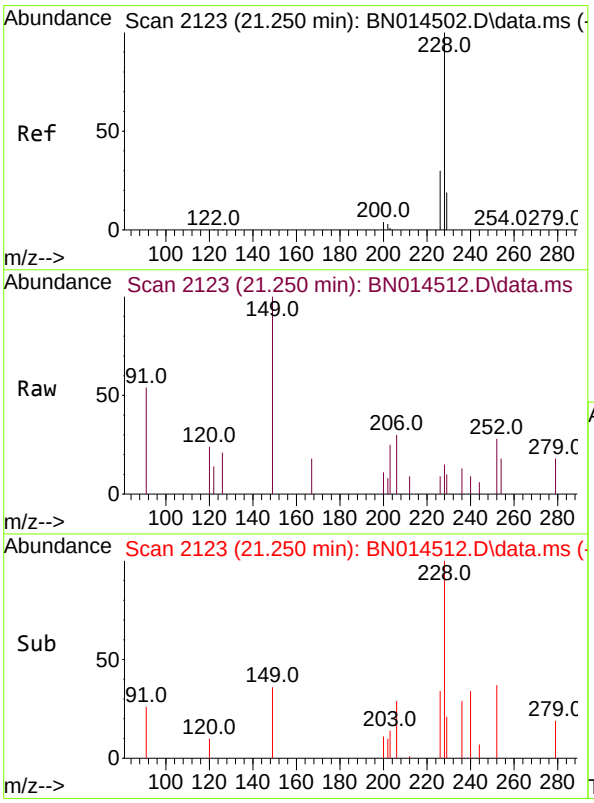



#32
Benzo(a)anthracene
Concen: 0.13 ng
RT: 21.197 min Scan# 2118
Delta R.T. -0.000 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:228 Resp: 141

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 65.3 | 21.7 | 32.5# |
| 229 | 77.1 | 15.7 | 23.5# |

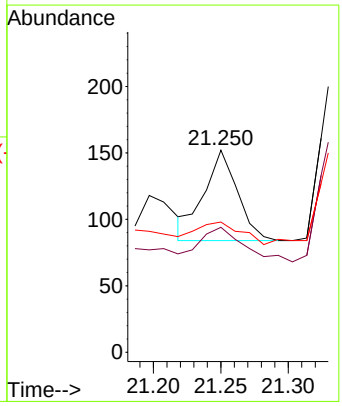


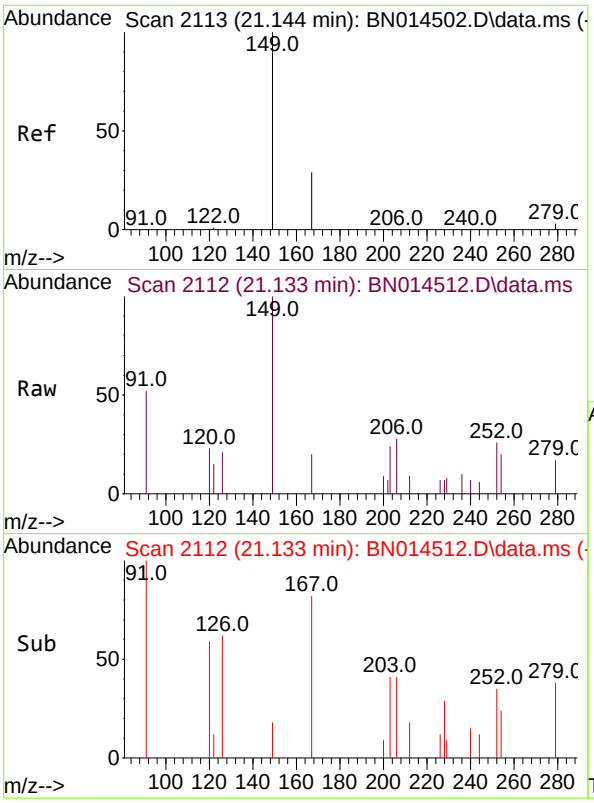




#33
Chrysene
Concen: 0.10 ng
RT: 21.250 min Scan# 2123
Delta R.T. -0.000 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:228 Resp: 117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 61.8 | 23.8 | 35.6# |
| 229 | 64.5 | 15.6 | 23.4# |

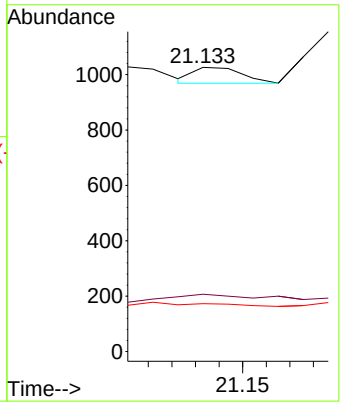




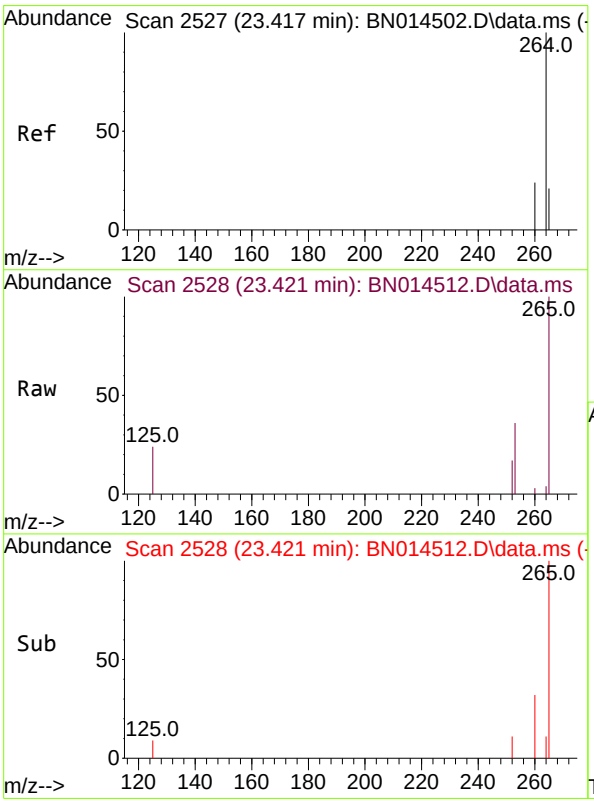

#34
Bis(2-ethylhexyl)phthalate
Concen: 0.27 ng
RT: 21.133 min Scan# 2112
Delta R.T. -0.011 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:149 Resp: 82

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 141.5 | 20.5 | 30.7# |
| 279 | 0.0 | 2.9 | 4.3# |



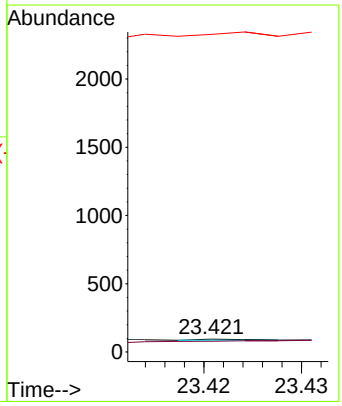

**Instrument :**
BNA_N
**ClientSampleId :**
BP-VPB-RW8-GW-378-380RE



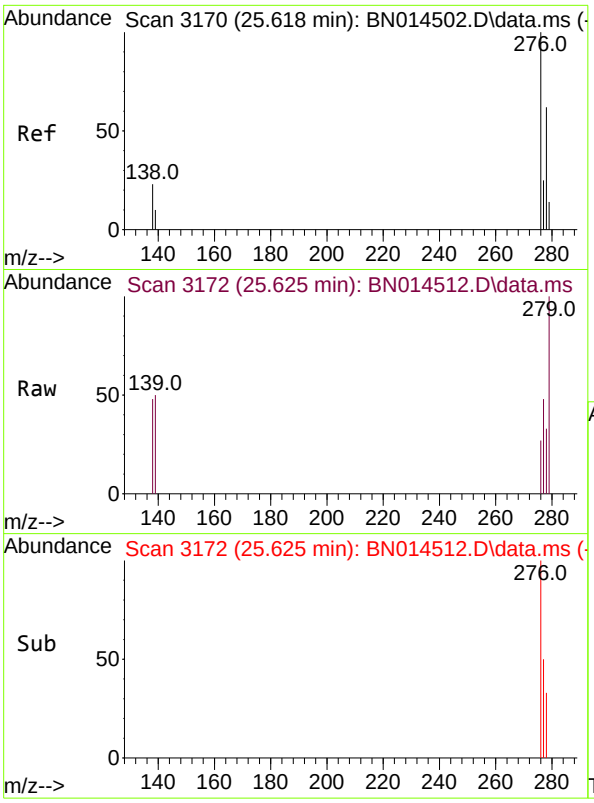

#35
Perylene-d12
Concen: 0.40 ng
RT: 23.421 min Scan# 2528
Delta R.T. 0.003 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:264 Resp: 3

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 84.0 | 19.5 | 29.3# |
| 265 | 2476.6 | 35.4 | 53.0# |



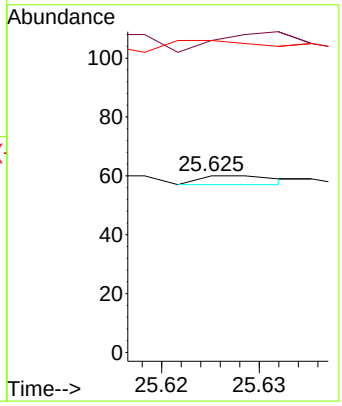
**Instrument :**
BNA_N
**ClientSampleId :**
BP-VPB-RW8-GW-378-380RE

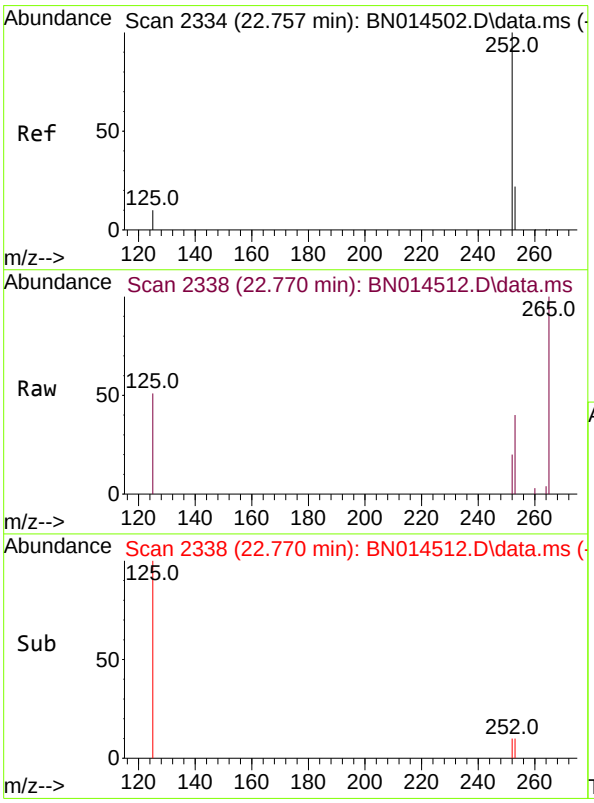



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.18 ng
RT: 25.625 min Scan# 3172
Delta R.T. 0.007 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:276 Resp: 2

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 250.0 | 18.8 | 28.2# |
| 277 | 150.0 | 19.8 | 29.8# |

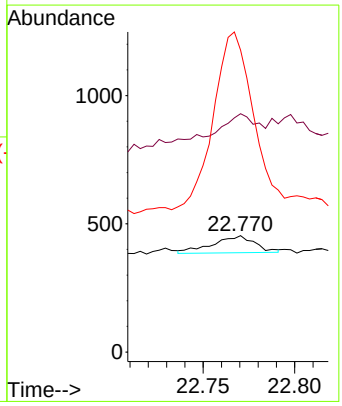


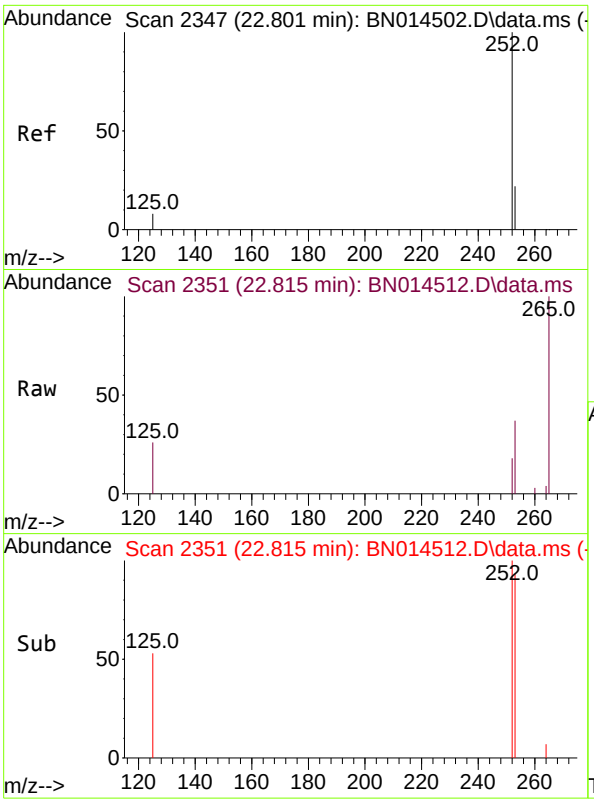




#37
Benzo(b)fluoranthene
Concen: 9.65 ng
RT: 22.770 min Scan# 2338
Delta R.T. 0.014 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:252 Resp: 106

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 204.6 | 19.6 | 29.4# |
| 125 | 259.3 | 10.3 | 15.5# |

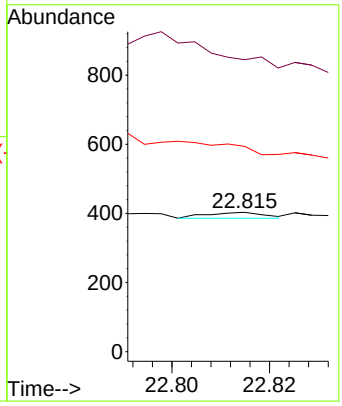




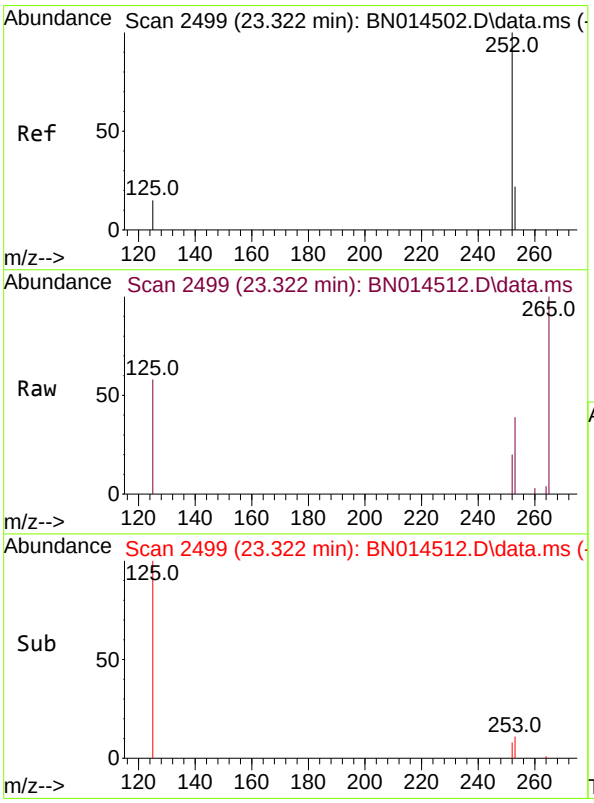

#38
Benzo(k)fluoranthene
Concen: 1.10 ng
RT: 22.815 min Scan# 2351
Delta R.T. 0.014 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:252 Resp: 14

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 209.7 | 19.7 | 29.5# |
| 125 | 147.4 | 9.7 | 14.5# |



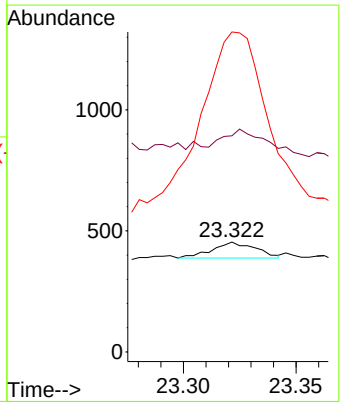

**Instrument :**
BNA_N
**ClientSampleId :**
BP-VPB-RW8-GW-378-380RE

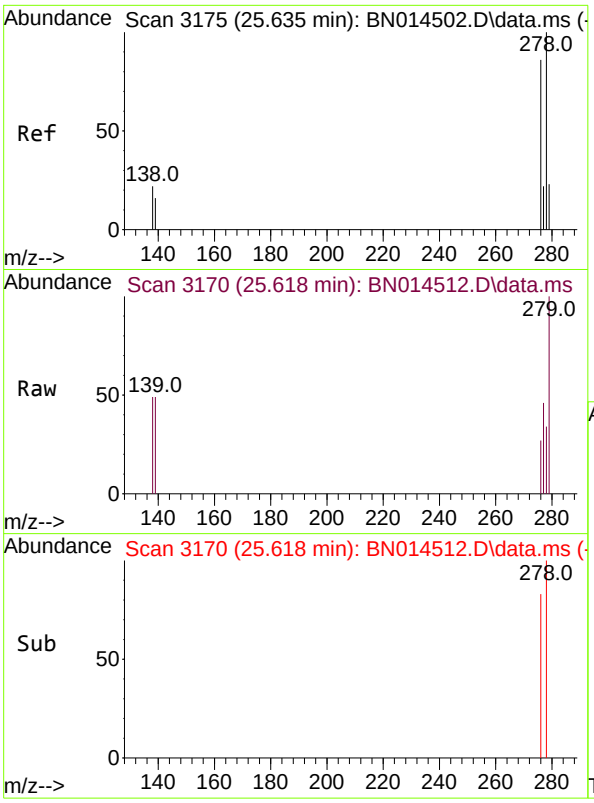



#39
Benzo(a)pyrene
Concen: 8.89 ng
RT: 23.322 min Scan# 2499
Delta R.T. -0.000 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:252 Resp: 88

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 196.7 | 21.8 | 32.6# |
| 125 | 291.2 | 14.9 | 22.3# |

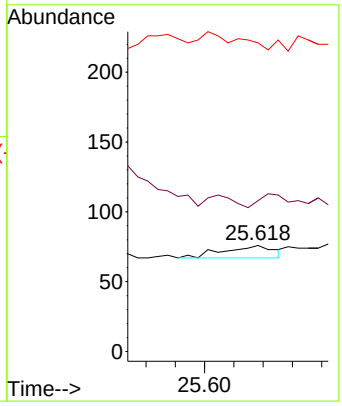




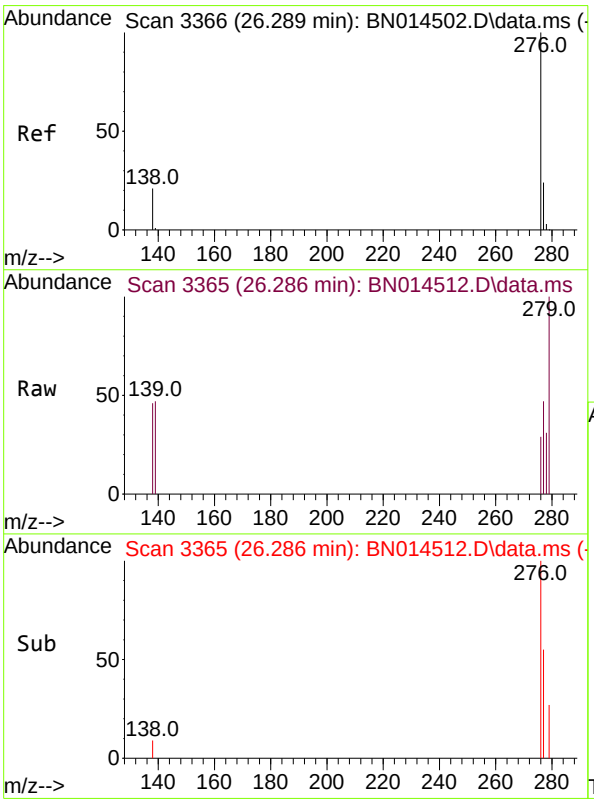

#40
Dibenzo(a,h)anthracene
Concen: 1.08 ng
RT: 25.618 min Scan# 3170
Delta R.T. -0.017 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:278 Resp: 10

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 142.1 | 13.9 | 20.9# |
| 279 | 290.8 | 20.7 | 31.1# |




**Instrument :**
BNA_N
**ClientSampleId :**
BP-VPB-RW8-GW-378-380RE




#41
Benzo(g,h,i)perylene
Concen: 2.91 ng
RT: 26.286 min Scan# 3365
Delta R.T. -0.003 min
Lab File: BN014512.D
Acq: 01 May 2021 13:30

Tgt Ion:276 Resp: 32

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 160.6 | 19.6 | 29.4# |
| 138 | 156.1 | 17.5 | 26.3# |