Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
Data File : BN016696.D
Acq On : 03 Oct 2021 07:36
Operator : CG/JU
Sample : M3892-05
Misc :
ALS Vial : 64 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**

Quant Time: Oct 04 03:37:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 13:35:26 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.642 | 152 | 31907 | 0.400 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.407 | 136 | 146503 | 0.400 | ng | # 0.00 |
| 13) Acenaphthene-d10 | 14.269 | 164 | 84069 | 0.400 | ng | 0.00 |
| 19) Phenanthrene-d10 | 17.018 | 188 | 165292 | 0.400 | ng | #-0.01 |
| 29) Chrysene-d12 | 21.238 | 240 | 162964 | 0.400 | ng | 0.00 |
| 35) Perylene-d12 | 23.485 | 264 | 161541 | 0.400 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 2-Fluorophenol | 5.273 | 112 | 22773 | 0.280 | ng | 0.02 |
| 5) Phenol-d6 | 6.831 | 99 | 24803 | 0.279 | ng | 0.00 |
| 8) Nitrobenzene-d5 | 8.784 | 82 | 29065 | 0.304 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 11.998 | 152 | 57936 | 0.267 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.766 | 330 | 12915 | 0.337 | ng | 0.00 |
| 15) 2-Fluorobiphenyl | 12.886 | 172 | 68107 | 0.200 | ng | -0.01 |
| 27) Fluoranthene-d10 | 19.063 | 212 | 93430 | 0.213 | ng | 0.00 |
| 31) Terphenyl-d14 | 19.679 | 244 | 65307 | 0.184 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 3) n-Nitrosodimethylamine | 3.502 | 42 | 3581 | 0.152 | ng | # 1 |
| 17) Acenaphthene | 14.332 | 154 | 29958 | 0.121 | ng | 100 |
| 18) Fluorene | 15.322 | 166 | 32341 | 0.110 | ng | 99 |
| 20) 4,6-Dinitro-2-methylph... | 15.423 | 198 | 13 | 0.137 | ng | # 1 |
| 25) Phenanthrene | 17.066 | 178 | 638595 | 1.284 | ng | 100 |
| 26) Anthracene | 17.151 | 178 | 135227 | 0.315 | ng | # 94 |
| 28) Fluoranthene | 19.098 | 202 | 1269839 | 2.365 | ng | 99 |
| 30) Pyrene | 19.460 | 202 | 1051992 | 1.995 | ng | # 93 |
| 32) Benzo(a)anthracene | 21.217 | 228 | 628133 | 1.256 | ng | 99 |
| 33) Chrysene | 21.270 | 228 | 592905 | 1.171 | ng | 97 |
| 34) Bis(2-ethylhexyl)phtha... | 21.164 | 149 | 41038 | 0.206 | ng | 99 |
| 36) Indeno(1,2,3-cd)pyrene | 25.761 | 276 | 292523 | 0.508 | ng | 99 |
| 37) Benzo(b)fluoranthene | 22.810 | 252 | 794757 | 1.531 | ng | 98 |
| 39) Benzo(a)pyrene | 23.385 | 252 | 521961 | 1.129 | ng | 98 |
| 40) Dibenzo(a,h)anthracene | 25.781 | 278 | 78348 | 0.168 | ng | # 84 |
| 41) Benzo(g,h,i)perylene | 26.459 | 276 | 266179 | 0.522 | ng | 98 |

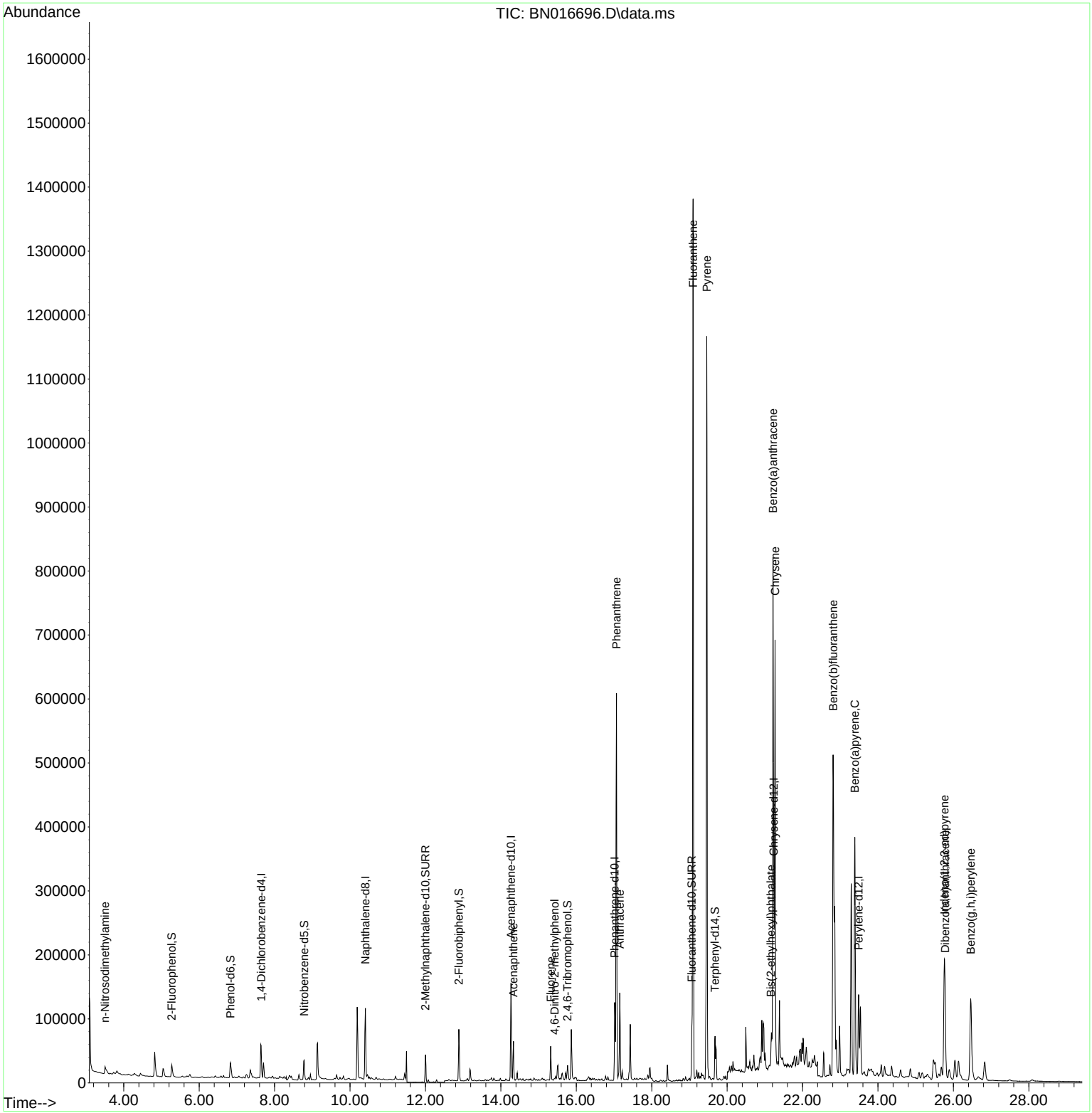
(#) = qualifier out of range (m) = manual integration (+) = signals summed

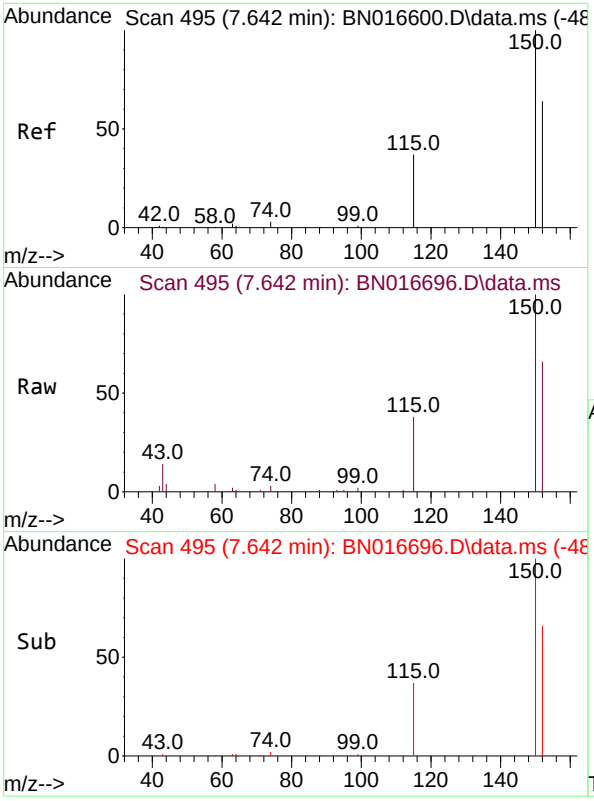
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN100121\
Data File : BN016696.D
Acq On : 03 Oct 2021 07:36
Operator : CG/JU
Sample : M3892-05
Misc :
ALS Vial : 64 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**

Quant Time: Oct 04 03:37:29 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN100121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 01 13:35:26 2021
Response via : Initial Calibration

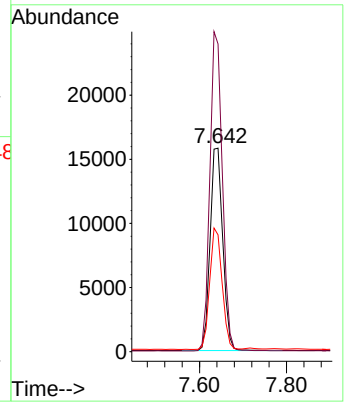




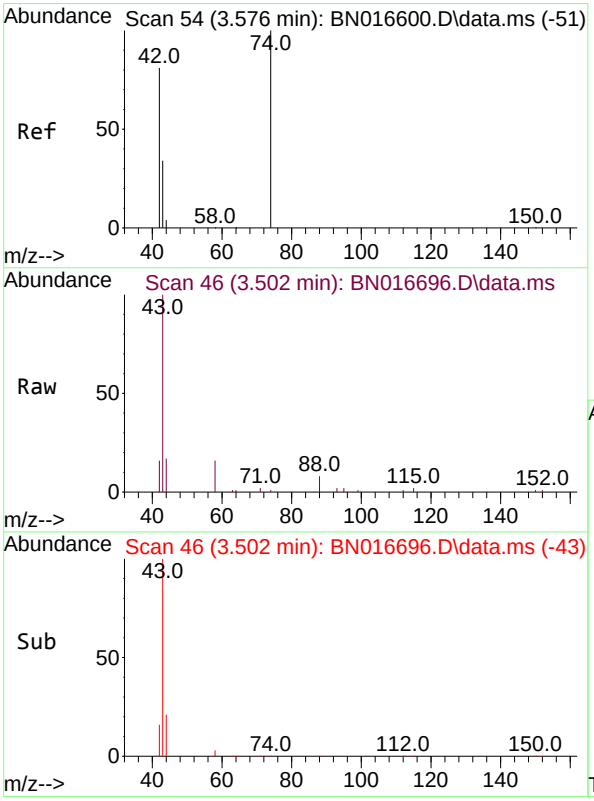

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.642 min Scan# 495
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:152 Resp: 31907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.2 | 124.6 | 186.8 |
| 115 | 57.4 | 46.5 | 69.7 |



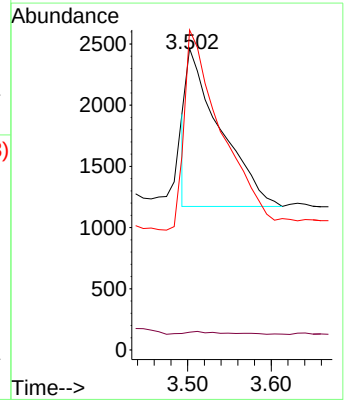

**Instrument :**
BNA_N
**ClientSampleId :**

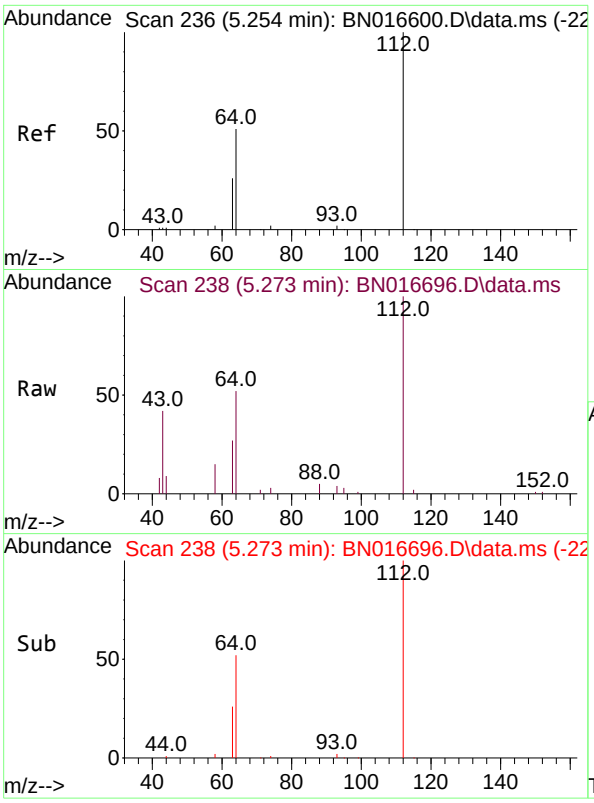



#3
n-Nitrosodimethylamine
Concen: 0.152 ng
RT: 3.502 min Scan# 46
Delta R.T. -0.073 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion: 42 Resp: 3581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 1.5 | 121.6 | 182.4# |
| 44 | 120.4 | 6.3 | 9.5# |

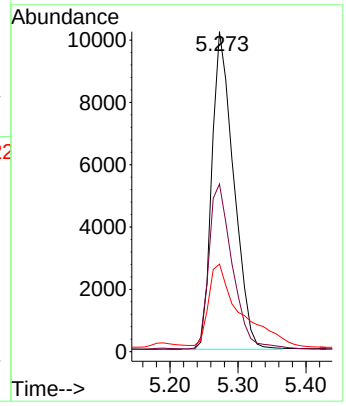




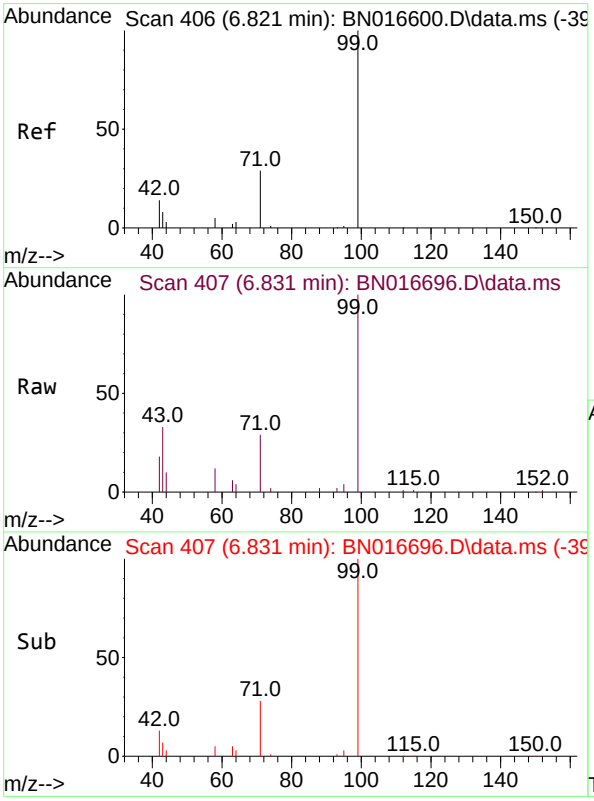

#4
2-Fluorophenol
Concen: 0.280 ng
RT: 5.273 min Scan# 238
Delta R.T. 0.019 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:112 Resp: 22773

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 55.4 | 43.1 | 64.7 |
| 63 | 35.8 | 21.6 | 32.4# |



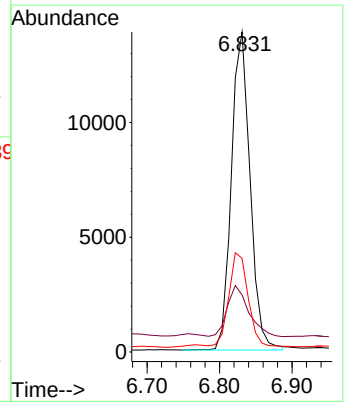

**Instrument :**
BNA_N
**ClientSampleId :**

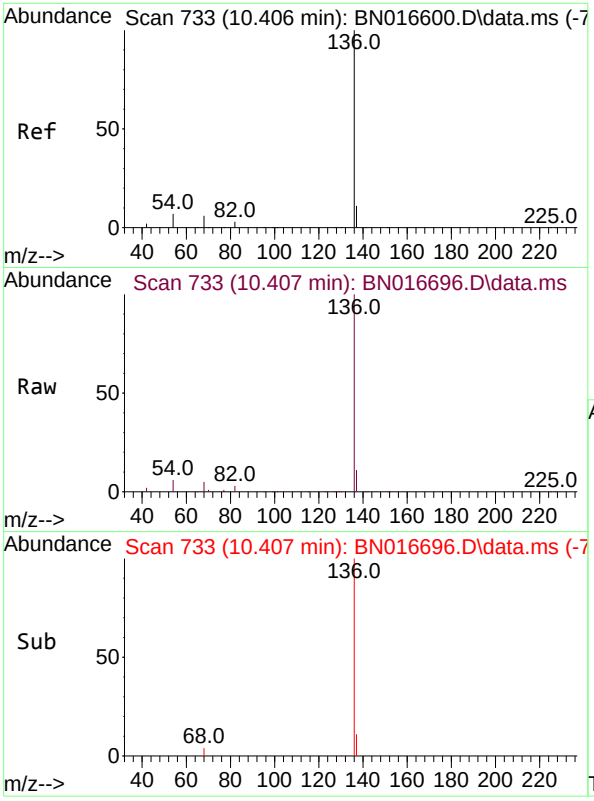



#5
Phenol-d6
Concen: 0.279 ng
RT: 6.831 min Scan# 407
Delta R.T. 0.010 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion: 99 Resp: 24803

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.4 | 13.0 | 19.6 |
| 71 | 30.0 | 23.5 | 35.3 |

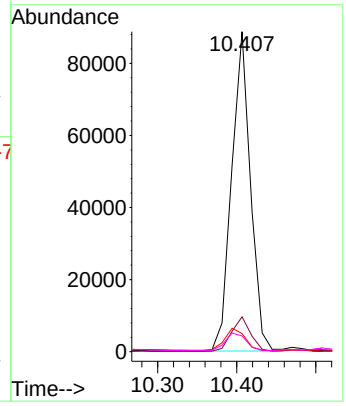


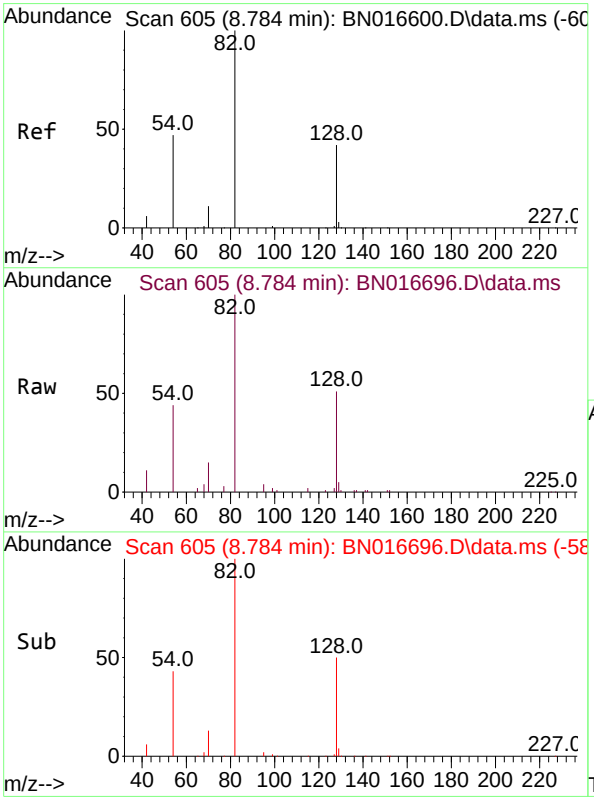



#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.407 min Scan# 733
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:136 Resp: 146503

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.7 | 13.1 |
| 54 | 5.6 | 5.9 | 8.9# |
| 68 | 4.9 | 5.0 | 7.6# |

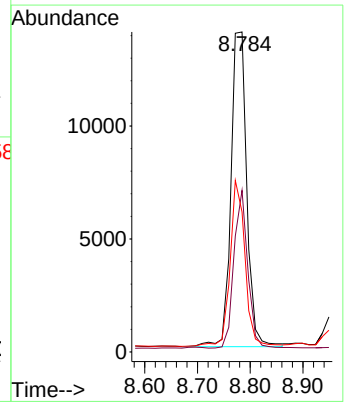


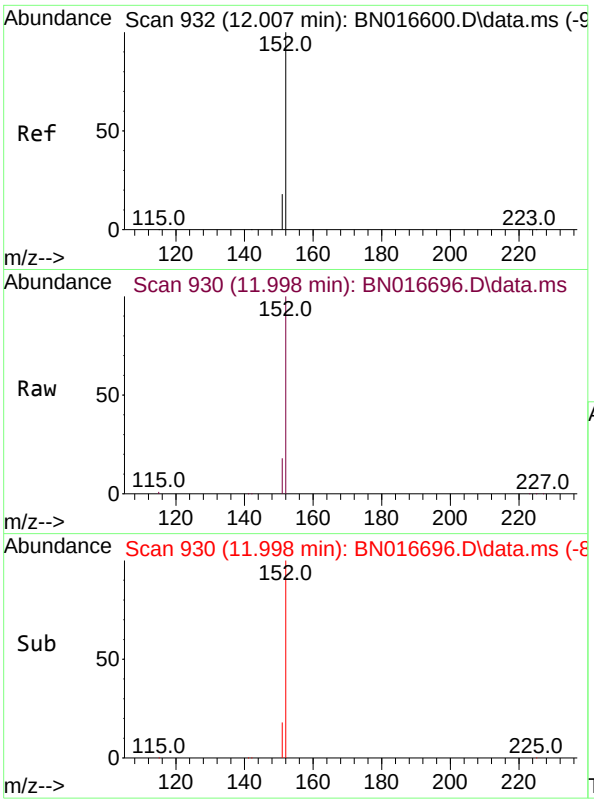

#8
Nitrobenzene-d5
Concen: 0.304 ng
RT: 8.784 min Scan# 605
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion: 82 Resp: 29065

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 50.5 | 33.6 | 50.4# |
| 54 | 43.7 | 37.6 | 56.4 |



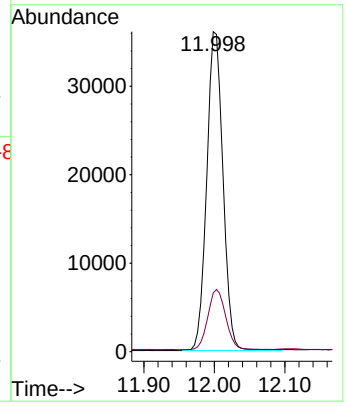

**Instrument :**
BNA_N
**ClientSampleId :**



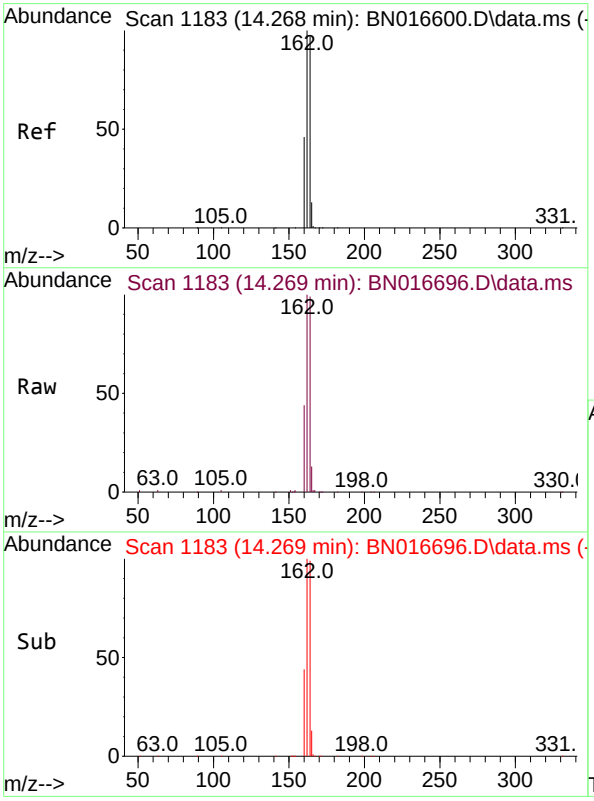

#11
2-Methylnaphthalene-d10
Concen: 0.267 ng
RT: 11.998 min Scan# 930
Delta R.T. -0.009 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:152 Resp: 57936

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 20.7 | 16.2 | 24.4 |



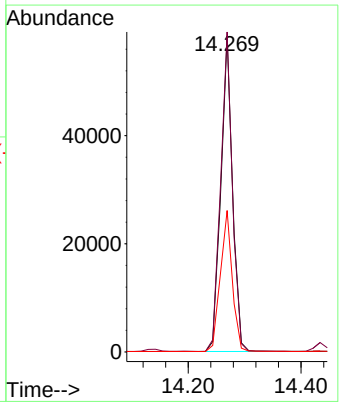

**Instrument :**
BNA_N
**ClientSampleId :**

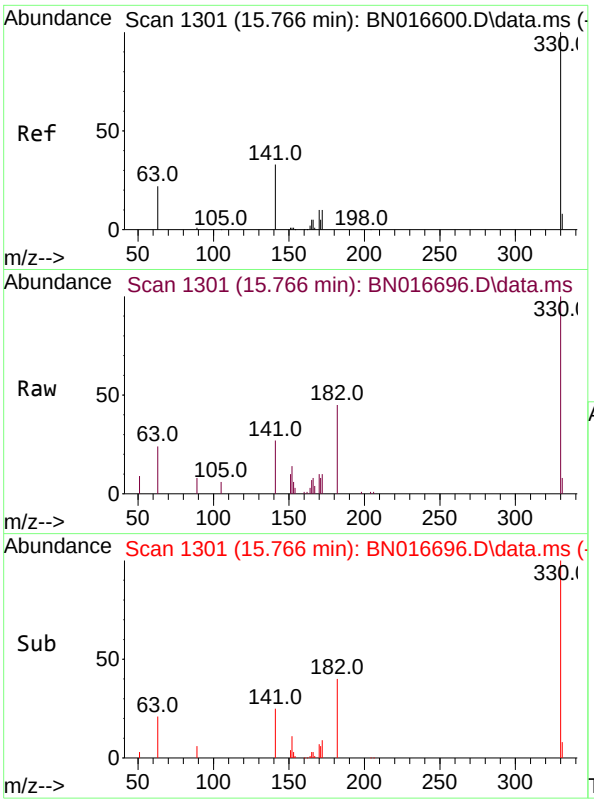



#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.269 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:164 Resp: 84069

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.3 | 82.2 | 123.2 |
| 160 | 44.8 | 37.7 | 56.5 |



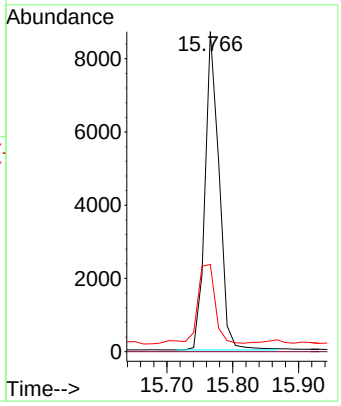


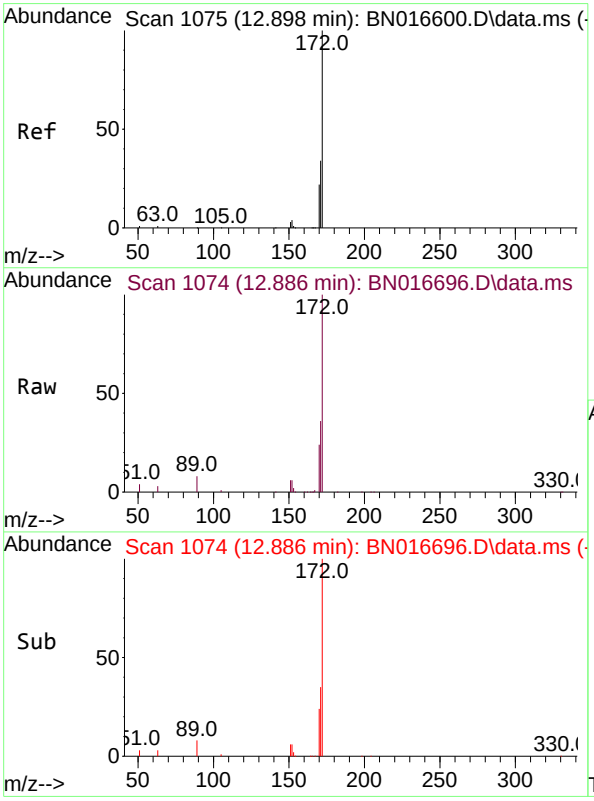

#14
2,4,6-Tribromophenol
Concen: 0.337 ng
RT: 15.766 min Scan# 1301
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

**Instrument :**
BNA_N
**ClientSampleId :**

Tgt Ion:330 Resp: 12915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 0.0 | 0.0 | 0.0 |
| 141 | 30.7 | 25.2 | 37.8 |

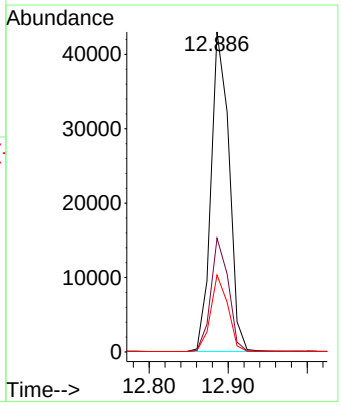


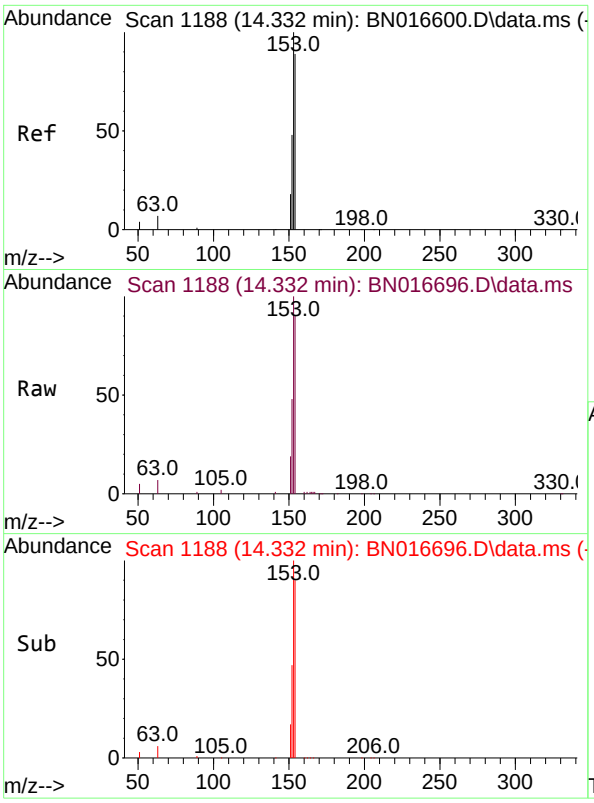

#15
2-Fluorobiphenyl
Concen: 0.200 ng
RT: 12.886 min Scan# 1074
Delta R.T. -0.012 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:172 Resp: 68107

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.5 | 27.0 | 40.4 |
| 170 | 24.1 | 17.4 | 26.2 |



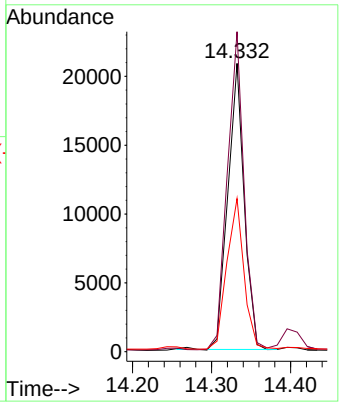
**Instrument :**
BNA_N
**ClientSampleId :**

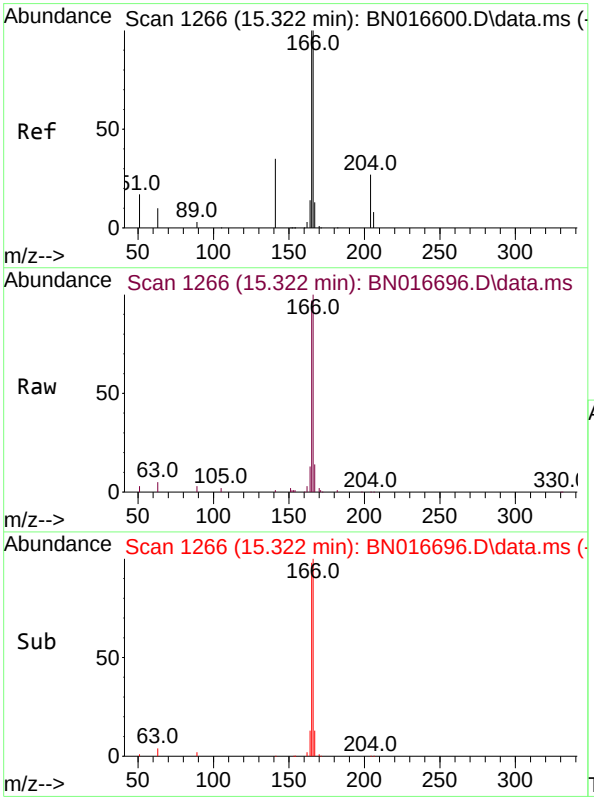



#17
Acenaphthene
Concen: 0.121 ng
RT: 14.332 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:154 Resp: 29958

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.3 | 90.2 | 135.2 |
| 152 | 54.7 | 44.0 | 66.0 |

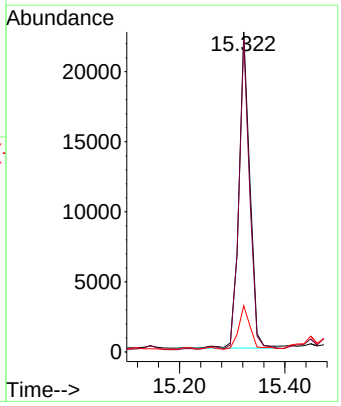


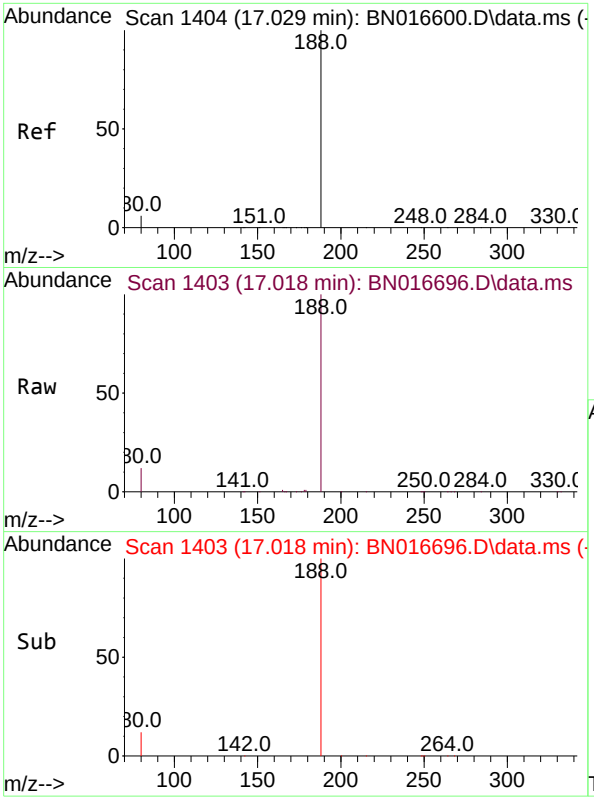




#18
Fluorene
Concen: 0.110 ng
RT: 15.322 min Scan# 1266
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:166 Resp: 32341

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 98.4 | 77.9 | 116.9 |
| 167 | 14.7 | 10.7 | 16.1 |

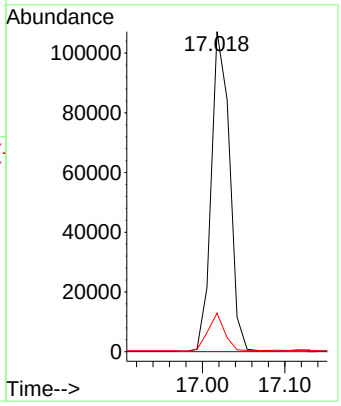




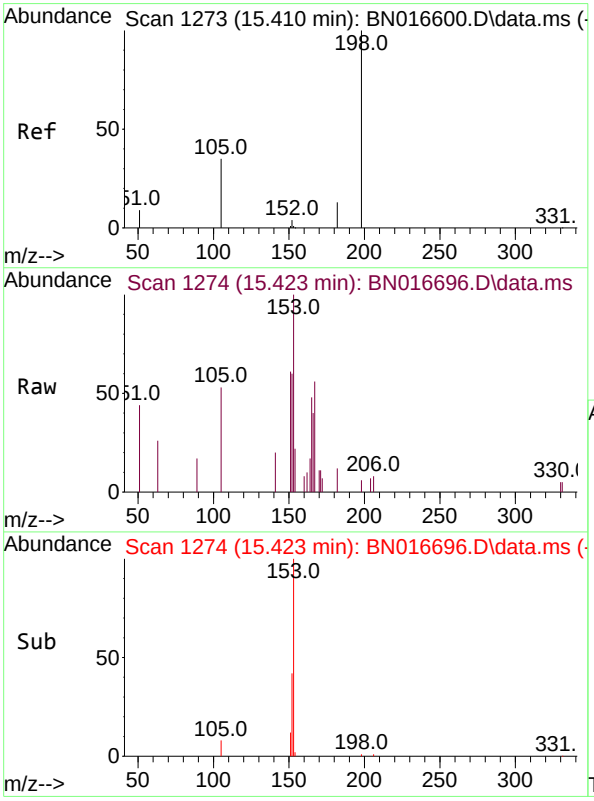

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.018 min Scan# 1403
Delta R.T. -0.012 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:188 Resp: 165292

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 12.1 | 5.0 | 7.6# |



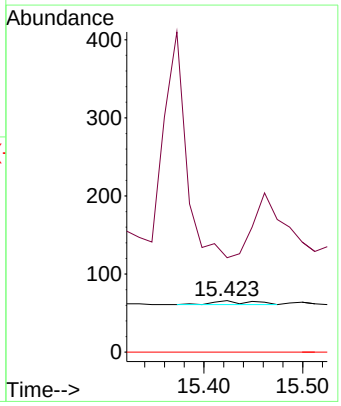

**Instrument :**
BNA_N
**ClientSampleId :**

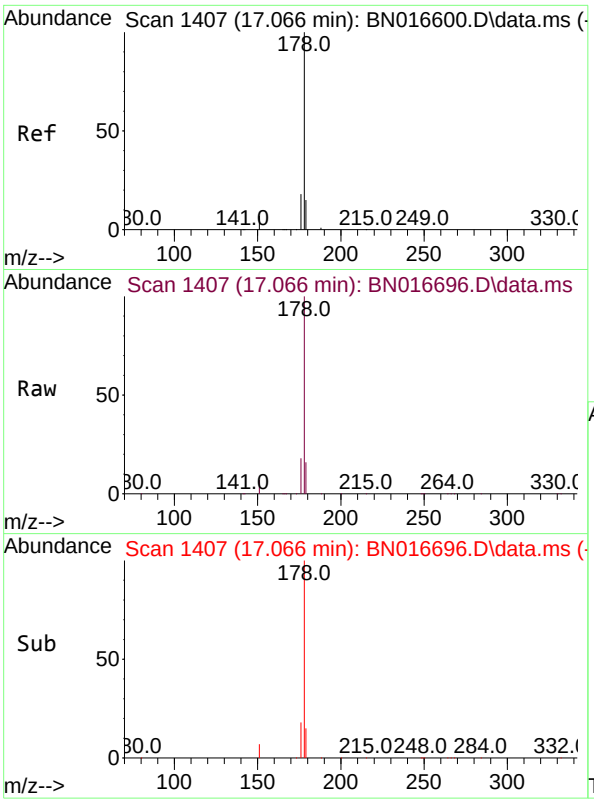



#20
4,6-Dinitro-2-methylphenol
Concen: 0.137 ng
RT: 15.423 min Scan# 1274
Delta R.T. 0.013 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:198 Resp: 13

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 182 | 183.3 | 11.8 | 17.8# |
| 77 | 0.0 | 0.0 | 0.0 |

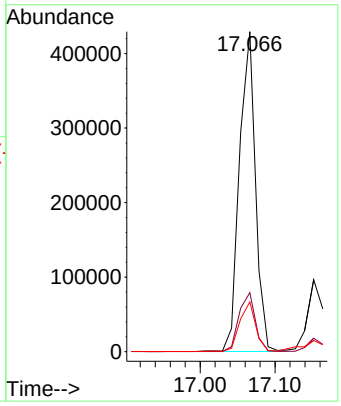


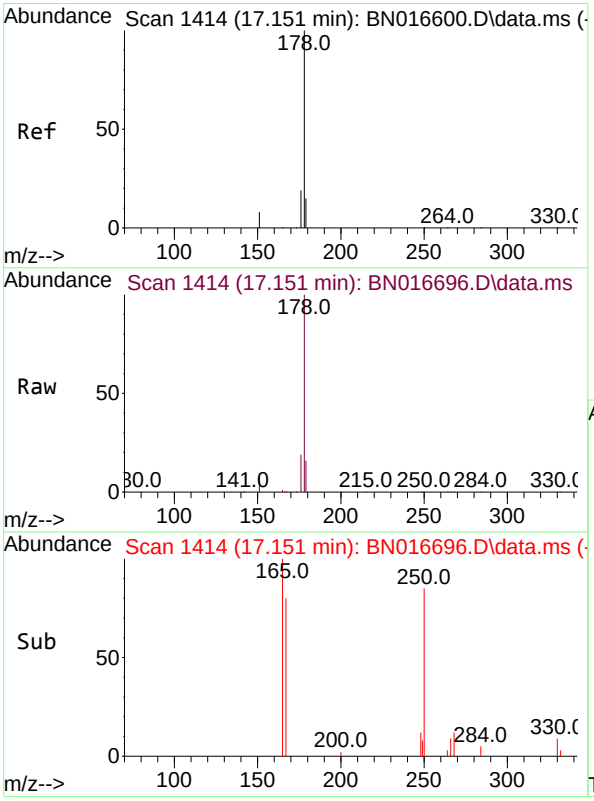



#25
Phenanthrene
Concen: 1.284 ng
RT: 17.066 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:178 Resp: 638595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 15.0 | 22.4 |
| 179 | 15.5 | 12.2 | 18.4 |

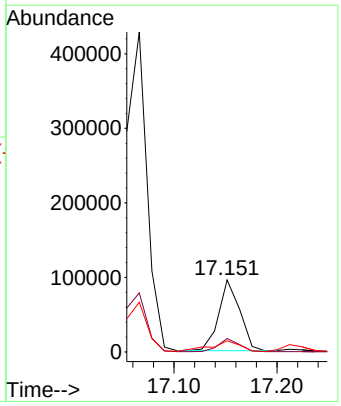



#26
Anthracene
Concen: 0.315 ng
RT: 17.151 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

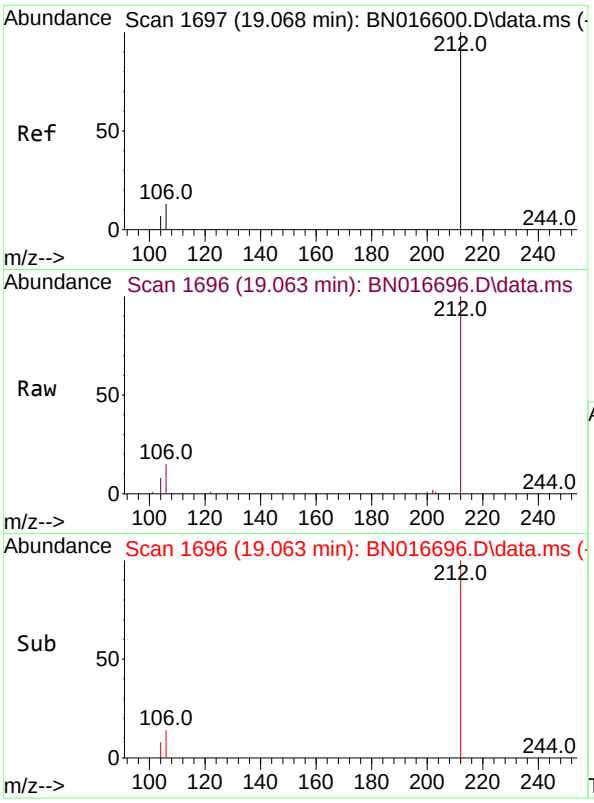
Tgt Ion:178 Resp: 135227

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.3 | 14.6 | 21.8 |
| 179 | 20.8 | 12.2 | 18.4# |




**Instrument :**
BNA_N
**ClientSampleId :**

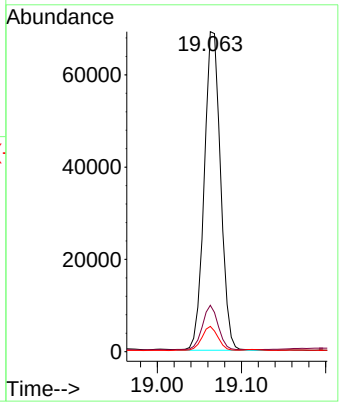
**Instrument :**
BNA_N
**ClientSampleId :**

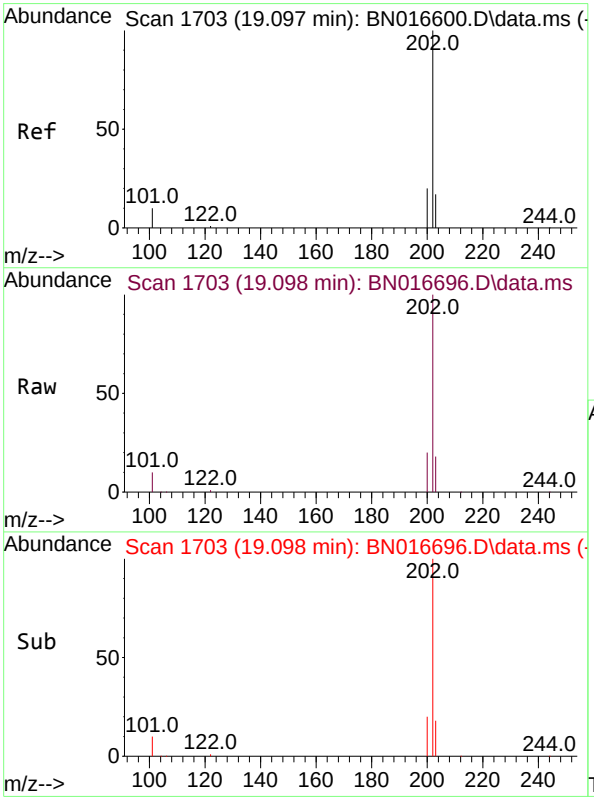



#27
Fluoranthene-d10
Concen: 0.213 ng
RT: 19.063 min Scan# 1696
Delta R.T. -0.005 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:212 Resp: 93430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 13.4 | 10.6 | 16.0 |
| 104 | 7.4 | 5.9 | 8.9 |

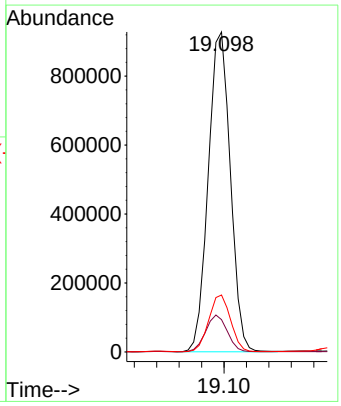


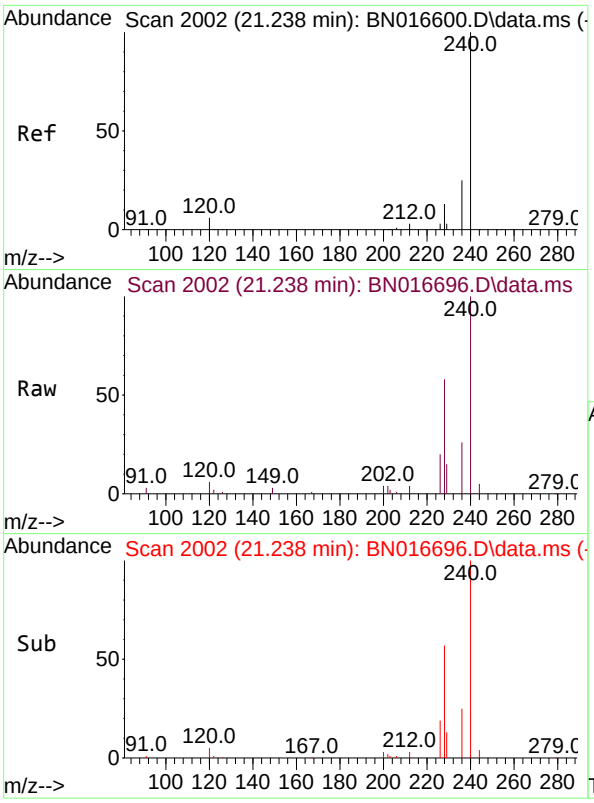




#28
Fluoranthene
Concen: 2.365 ng
RT: 19.098 min Scan# 1703
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:202 Resp: 1269839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.2 | 9.0 | 13.4 |
| 203 | 17.5 | 13.8 | 20.6 |

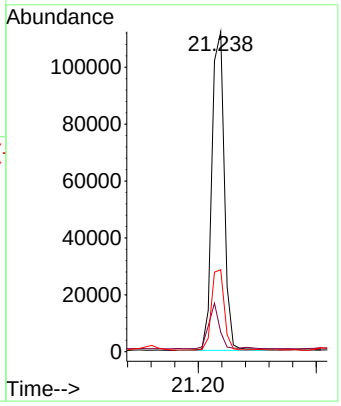




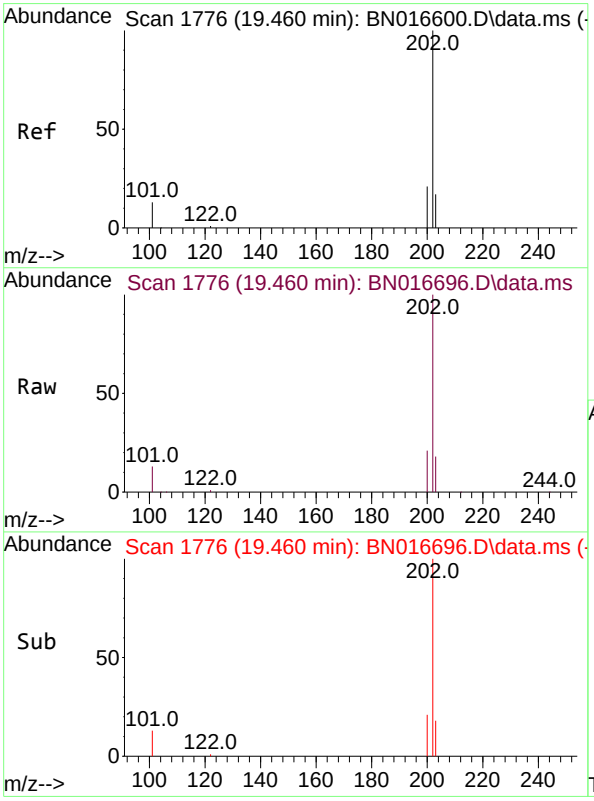

#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.238 min Scan# 2002
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:240 Resp: 162964

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.1 | 5.0 | 7.4 |
| 236 | 25.6 | 20.4 | 30.6 |



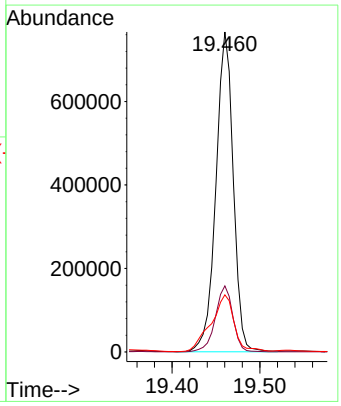

**Instrument :**
BNA_N
**ClientSampleId :**

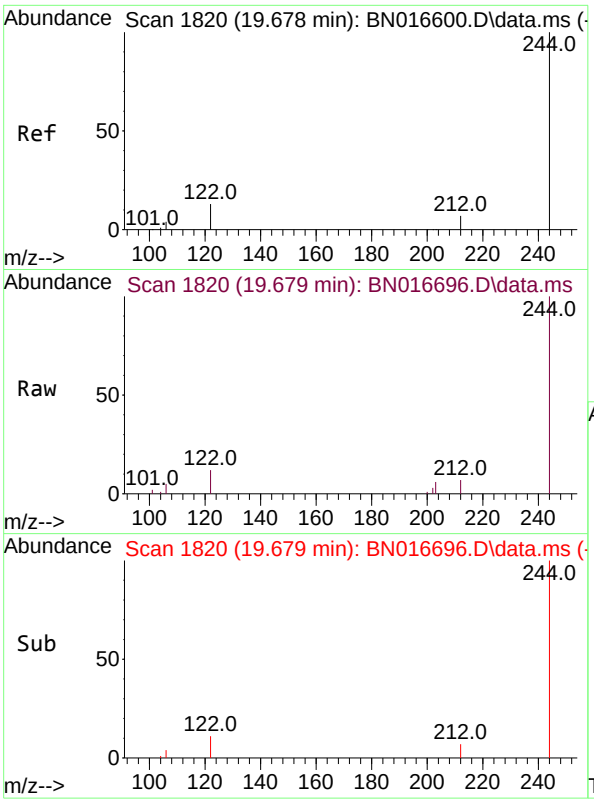



#30
Pyrene
Concen: 1.995 ng
RT: 19.460 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:202 Resp: 1051992

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.8 | 16.5 | 24.7 |
| 203 | 23.7 | 14.0 | 21.0# |

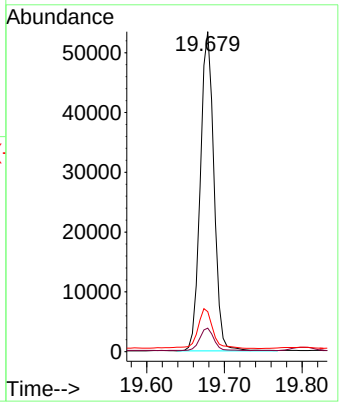


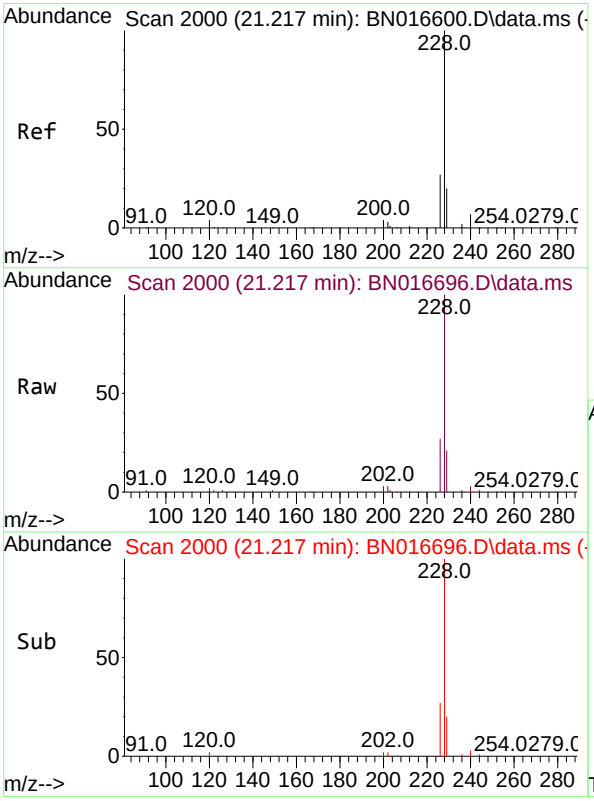



#31
Terphenyl-d14
Concen: 0.184 ng
RT: 19.679 min Scan# 1820
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:244 Resp: 65307

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.3 | 6.0 | 9.0 |
| 122 | 12.5 | 10.1 | 15.1 |

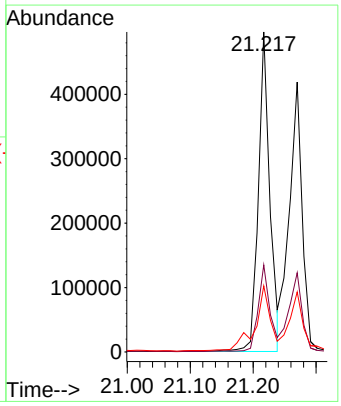


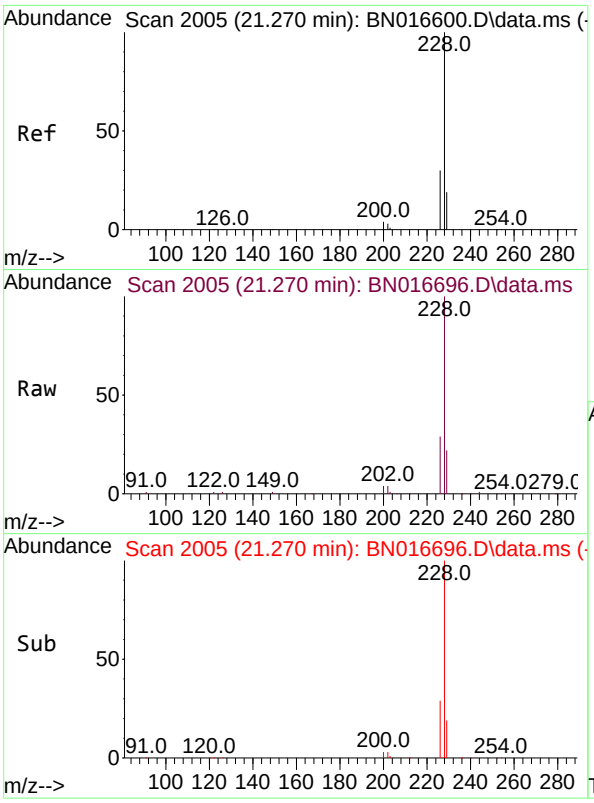

#32
Benzo(a)anthracene
Concen: 1.256 ng
RT: 21.217 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:228 Resp: 628133

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.2 | 21.9 | 32.9 |
| 229 | 20.7 | 15.7 | 23.5 |



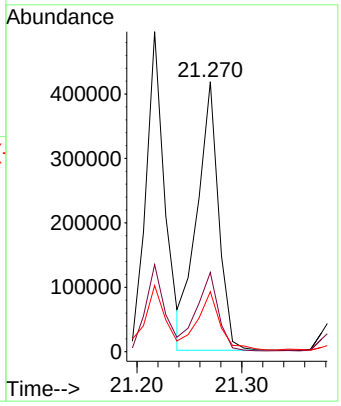

**Instrument :**
BNA_N
**ClientSampleId :**



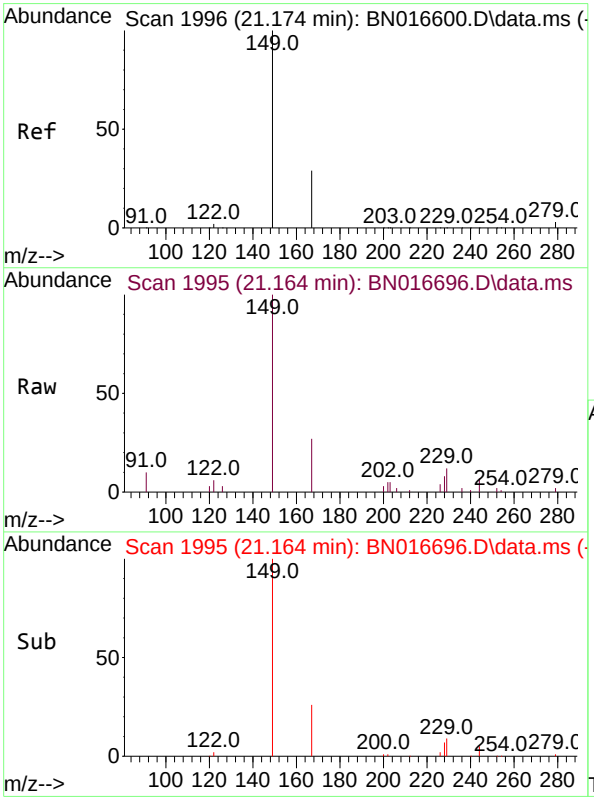

#33
Chrysene
Concen: 1.171 ng
RT: 21.270 min Scan# 2005
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:228 Resp: 592905

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.4 | 23.7 | 35.5 |
| 229 | 22.2 | 15.5 | 23.3 |



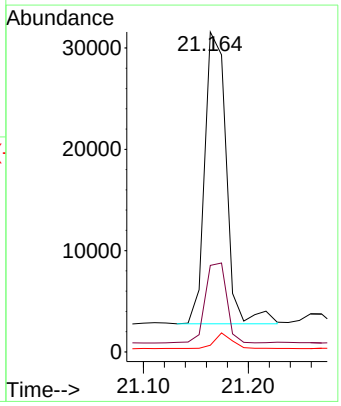

**Instrument :**
BNA_N
**ClientSampleId :**

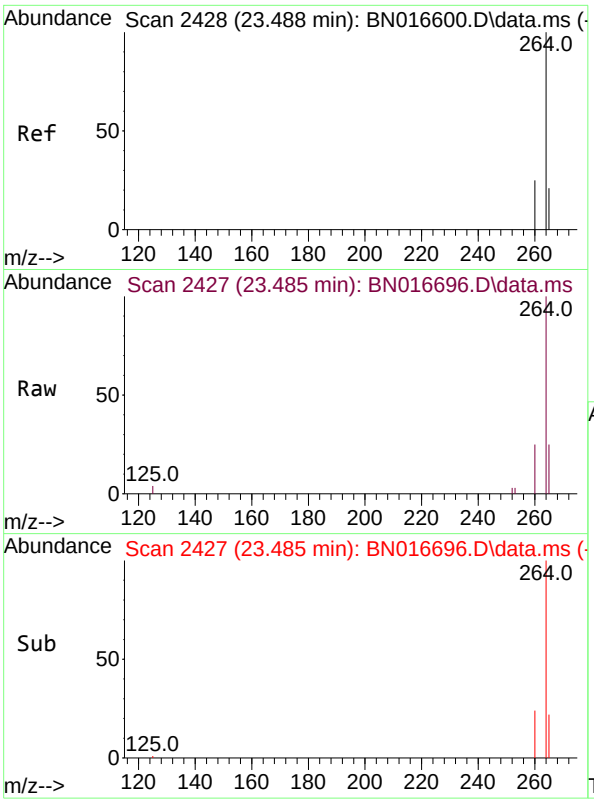



#34
Bis(2-ethylhexyl)phthalate
Concen: 0.206 ng
RT: 21.164 min Scan# 1995
Delta R.T. -0.010 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:149 Resp: 41038

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 27.3 | 22.2 | 33.4 |
| 279 | 4.5 | 3.2 | 4.8 |

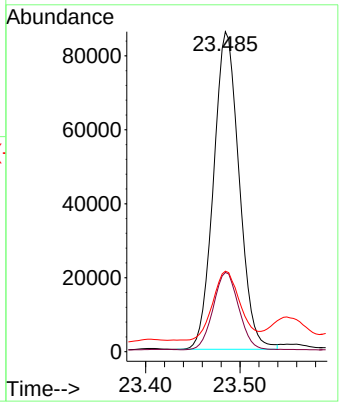




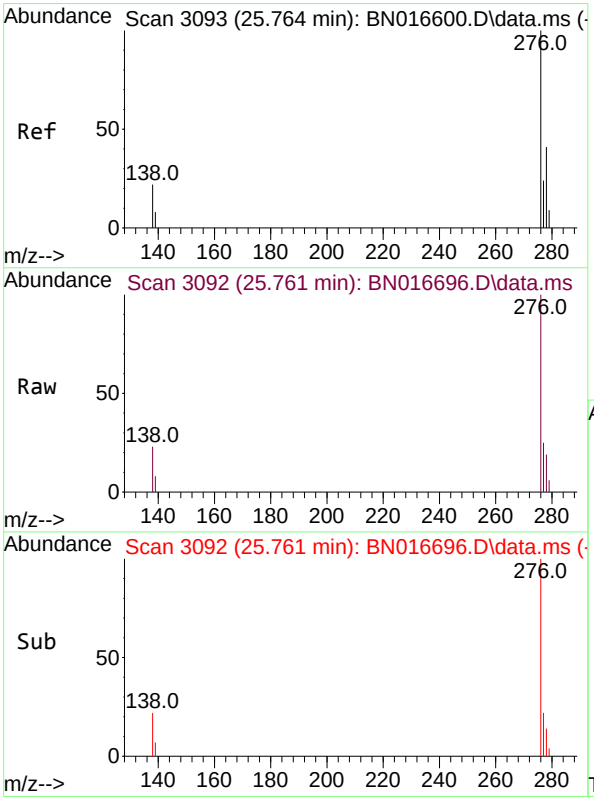

#35
Perylene-d12
Concen: 0.400 ng
RT: 23.485 min Scan# 2427
Delta R.T. -0.003 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:264 Resp: 161541

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.7 | 19.9 | 29.9 |
| 265 | 25.1 | 19.2 | 28.8 |



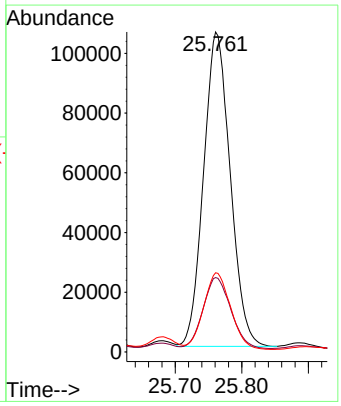

**Instrument :**
BNA_N
**ClientSampleId :**

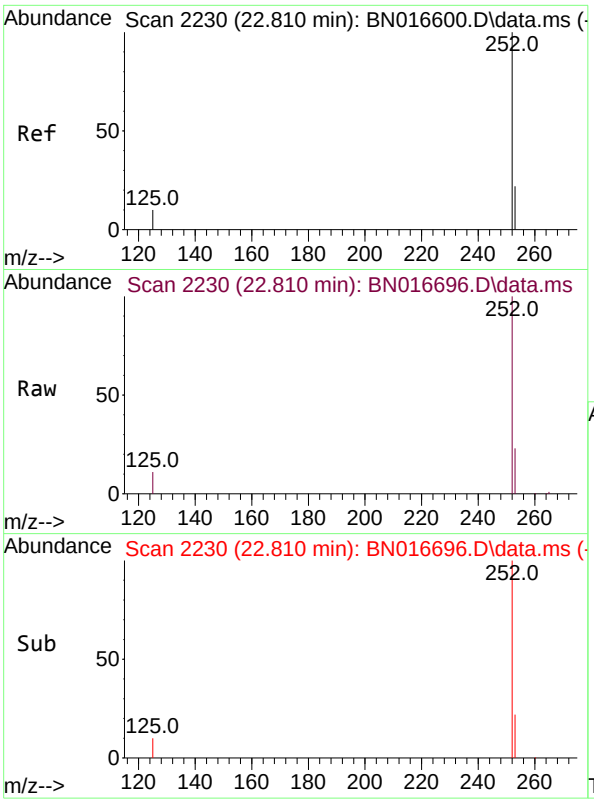



#36
Indeno(1,2,3-cd)pyrene
Concen: 0.508 ng
RT: 25.761 min Scan# 3092
Delta R.T. -0.003 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:276 Resp: 292523

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.6 | 19.5 | 29.3 |
| 277 | 24.7 | 19.9 | 29.9 |

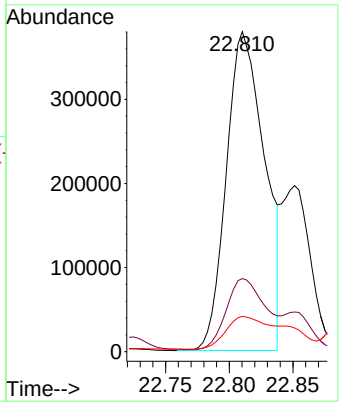




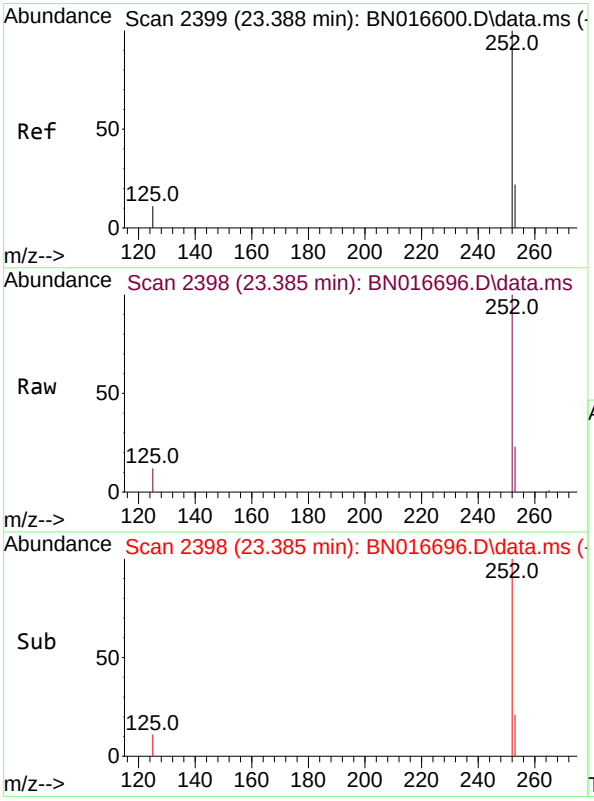

#37
Benzo(b)fluoranthene
Concen: 1.531 ng
RT: 22.810 min Scan# 2230
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:252 Resp: 794757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.8 | 26.8 |
| 125 | 11.0 | 8.0 | 12.0 |



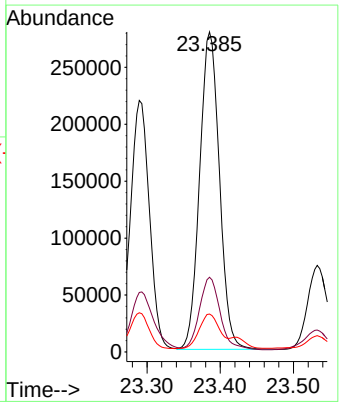

**Instrument :**
BNA_N
**ClientSampleId :**

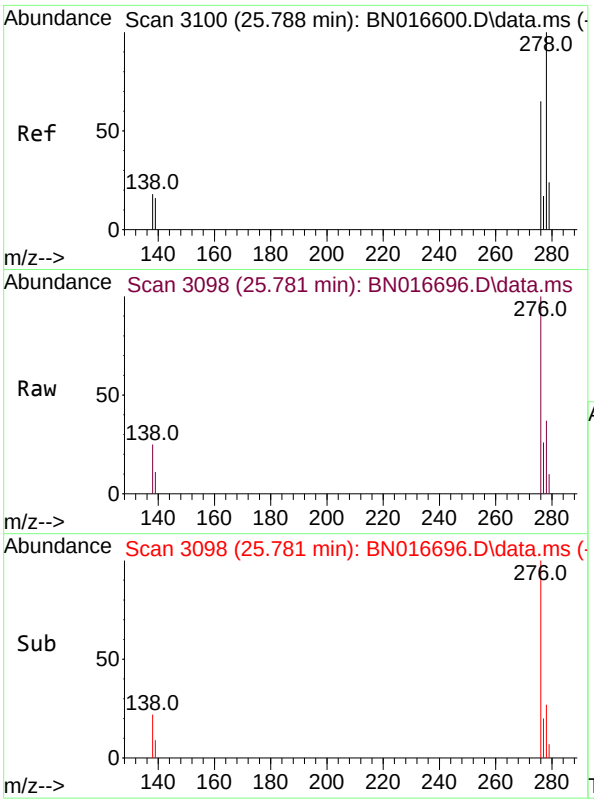



#39
Benzo(a)pyrene
Concen: 1.129 ng
RT: 23.385 min Scan# 2398
Delta R.T. -0.003 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:252 Resp: 521961

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.4 | 17.8 | 26.8 |
| 125 | 11.9 | 9.0 | 13.4 |

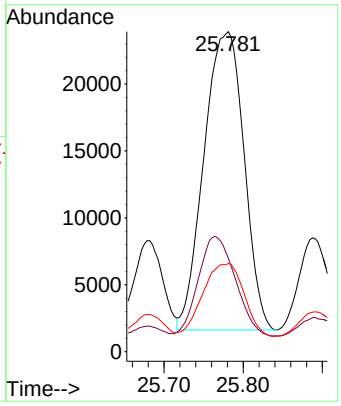




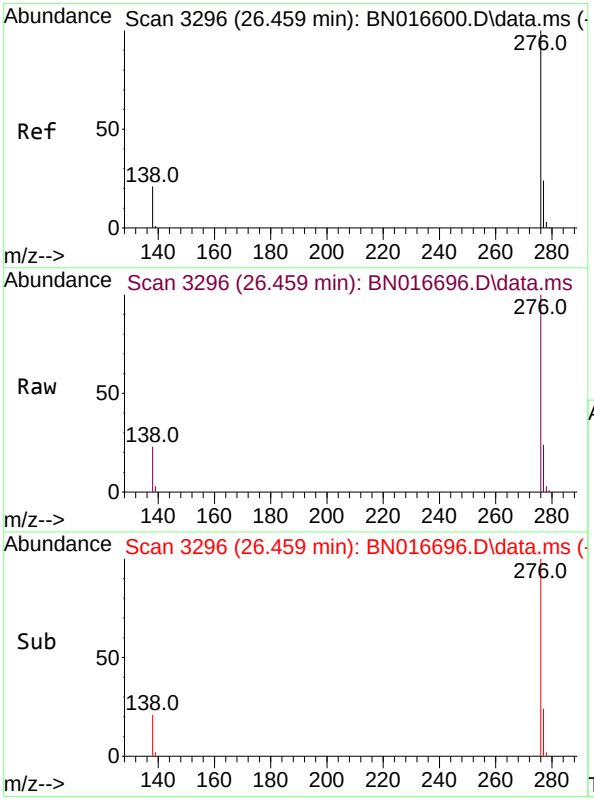

#40
Dibenzo(a,h)anthracene
Concen: 0.168 ng
RT: 25.781 min Scan# 3098
Delta R.T. -0.007 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:278 Resp: 78348

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 29.1 | 13.1 | 19.7# |
| 279 | 27.5 | 19.1 | 28.7 |




**Instrument :**
BNA_N
**ClientSampleId :**




#41
Benzo(g,h,i)perylene
Concen: 0.522 ng
RT: 26.459 min Scan# 3296
Delta R.T. 0.000 min
Lab File: BN016696.D
Acq: 03 Oct 2021 07:36

Tgt Ion:276 Resp: 266179

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.5 | 19.0 | 28.6 |
| 138 | 22.5 | 16.9 | 25.3 |