Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120721\
Data File : BN017790.D
Acq On : 08 Dec 2021 08:33
Operator : CG/JU
Sample : M4918-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
MW-39

Quant Time: Dec 09 00:03:57 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN120721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 08 01:18:09 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Dichlorobenzene-d4 | 7.724 | 152 | 17918 | 0.400 | ng | 0.00 |
| 7) Naphthalene-d8 | 10.507 | 136 | 74890 | 0.400 | ng | # 0.01 |
| 13) Acenaphthene-d10 | 14.347 | 164 | 124045 | 0.400 | ng | # 0.00 |
| 19) Phenanthrene-d10 | 17.093 | 188 | 108831 | 0.400 | ng | # 0.00 |
| 29) Chrysene-d12 | 21.293 | 240 | 111020 | 0.400 | ng | # 0.01 |
| 35) Perylene-d12 | 23.589 | 264 | 112700 | 0.400 | ng | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) 2-Fluorophenol | 5.364 | 112 | 26933 | 0.622 | ng | 0.04 |
| 5) Phenol-d6 | 6.922 | 99 | 5479 | 0.134 | ng | 0.02 |
| 8) Nitrobenzene-d5 | 8.859 | 82 | 62932 | 1.263 | ng | 0.00 |
| 11) 2-Methylnaphthalene-d10 | 12.094 | 152 | 45380 | 0.304 | ng | 0.00 |
| 14) 2,4,6-Tribromophenol | 15.845 | 330 | 15120 | 0.233 | ng | 0.00 |
| 15) 2-Fluorobiphenyl | 12.965 | 172 | 84501 | 0.186 | ng | 0.00 |
| 27) Fluoranthene-d10 | 19.130 | 212 | 122070 | 0.336 | ng | 0.00 |
| 31) Terphenyl-d14 | 19.735 | 244 | 116572 | 0.489 | ng | 0.00 |
| Target Compounds | | | | | | Qvalue |
| 3) n-Nitrosodimethylamine | 3.686 | 42 | 2033 | 0.110 | ng | # 1 |
| 6) bis(2-Chloroethyl)ether | 7.134 | 93 | 74511 | 1.608 | ng | # 1 |
| 9) Naphthalene | 10.570 | 128 | 24548288 | 125.188 | ng | # 95 |
| 12) 2-Methylnaphthalene | 12.183 | 142 | 9810776 | 69.430 | ng | 96 |
| 16) Acenaphthylene | 14.068 | 152 | 134650 | 0.276 | ng | # 1 |
| 17) Acenaphthene | 14.411 | 154 | 312940 | 0.964 | ng | # 74 |
| 18) Fluorene | 15.401 | 166 | 678838 | 1.637 | ng | # 94 |
| 20) 4,6-Dinitro-2-methylph... | 15.553 | 198 | 24722 | 4.321 | ng | # 69 |
| 23) Atrazine | 16.557 | 200 | 4270 | 0.090 | ng | # 1 |
| 24) Pentachlorophenol | 16.752 | 266 | 271 | 0.289 | ng | # 88 |
| 25) Phenanthrene | 17.129 | 178 | 958185 | 3.351 | ng | 99 |
| 26) Anthracene | 17.227 | 178 | 27385 | 0.109 | ng | # 72 |
| 28) Fluoranthene | 19.159 | 202 | 21149 | 0.061 | ng | 95 |
| 30) Pyrene | 19.522 | 202 | 27354 | 0.078 | ng | # 90 |
| 34) Bis(2-ethylhexyl)phtha... | 21.219 | 149 | 56863 | 0.367 | ng | 99 |

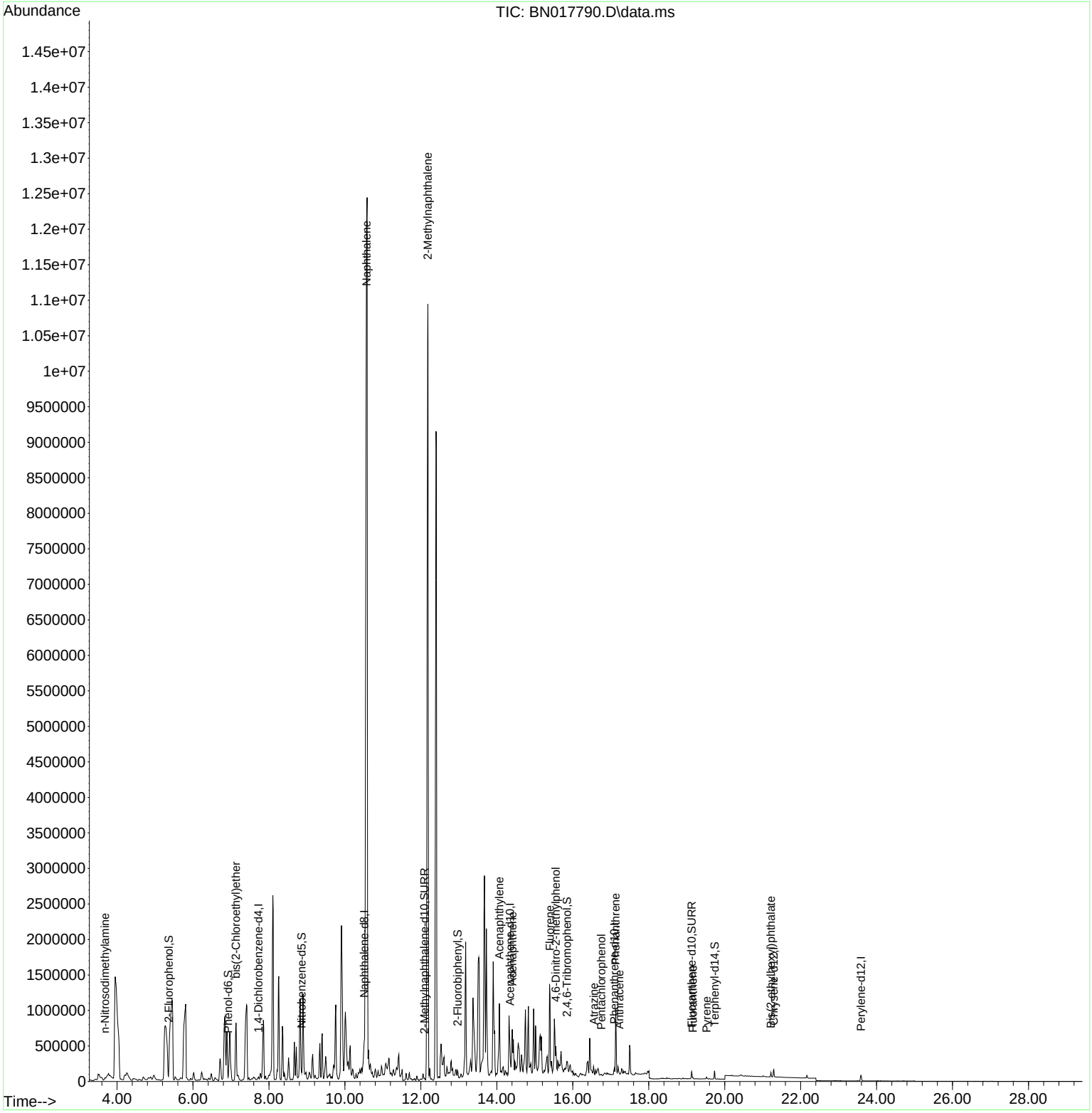
(#) = qualifier out of range (m) = manual integration (+) = signals summed

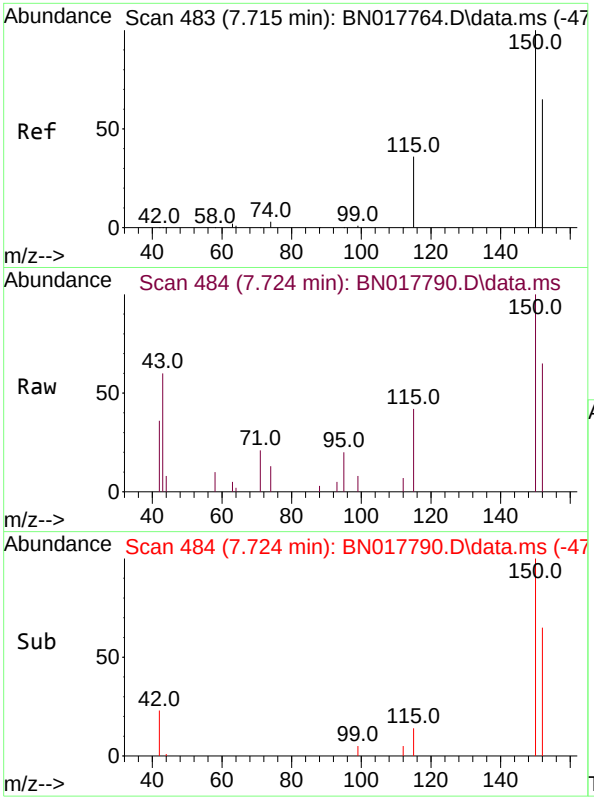
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN120721\
Data File : BN017790.D
Acq On : 08 Dec 2021 08:33
Operator : CG/JU
Sample : M4918-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

**Instrument :**
BNA_N
**ClientSampleId :**
MW-39

Quant Time: Dec 09 00:03:57 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN120721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 08 01:18:09 2021
Response via : Initial Calibration



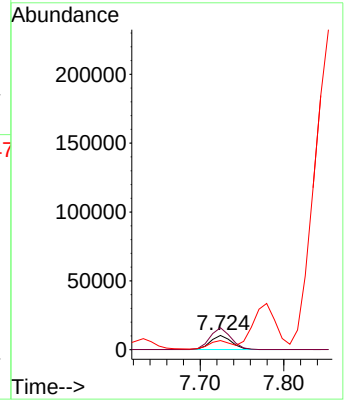


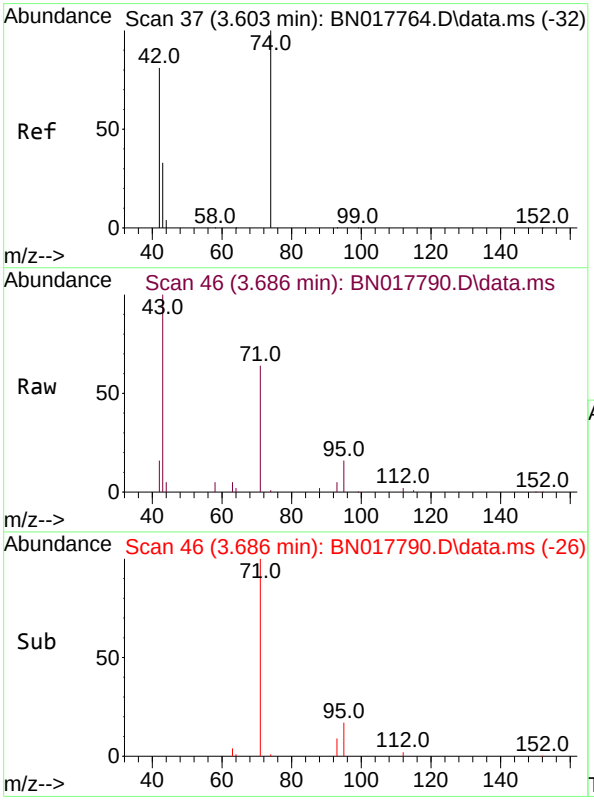

#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.724 min Scan# 4
Delta R.T. 0.009 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

**Instrument :**
BNA_N
**ClientSampleId :**
MW-39

Tgt Ion:152 Resp: 17918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.1 | 123.0 | 184.4 |
| 115 | 63.6 | 45.3 | 67.9 |

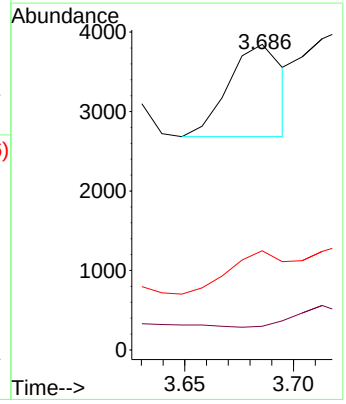


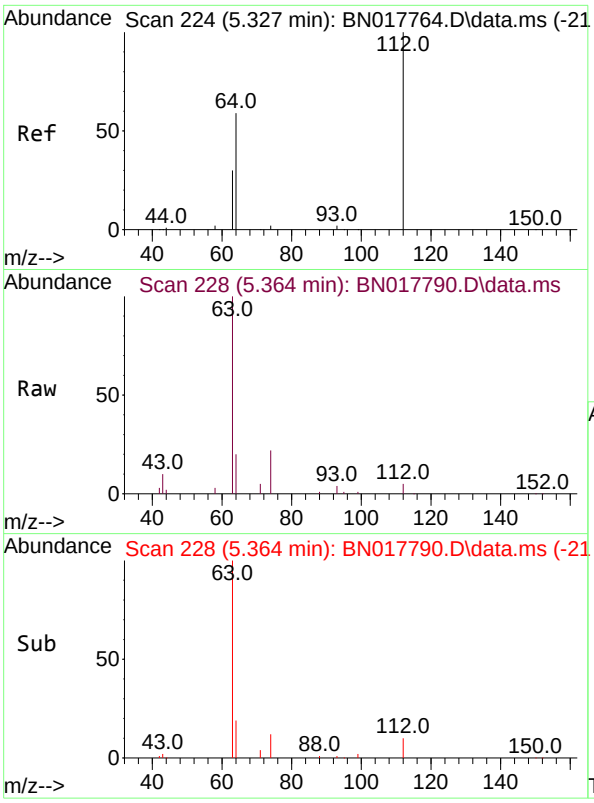




#3
n-Nitrosodimethylamine
Concen: 0.110 ng
RT: 3.686 min Scan# 46
Delta R.T. 0.083 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

Tgt Ion: 42 Resp: 2033

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 42 | 100 | | |
| 74 | 0.0 | 101.3 | 151.9# |
| 44 | 46.1 | 5.0 | 7.4# |



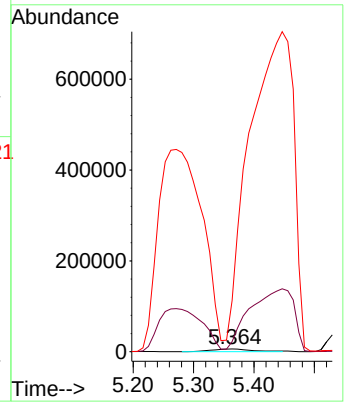


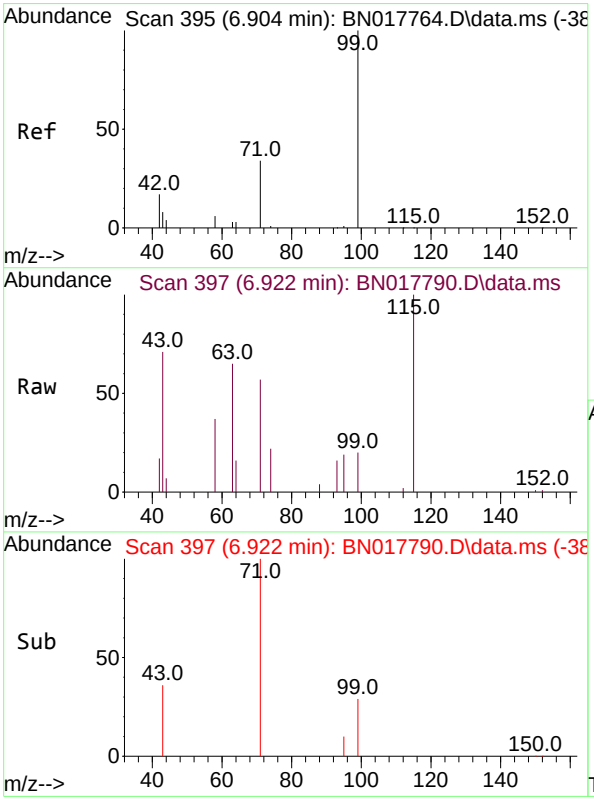

#4
2-Fluorophenol
Concen: 0.622 ng
RT: 5.364 min Scan# 2
Delta R.T. 0.037 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

**Instrument :**
BNA_N
**ClientSampleId :**
MW-39

Tgt Ion:112 Resp: 26933

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 0.0 | 49.3 | 73.9# |
| 63 | 0.0 | 25.8 | 38.8# |

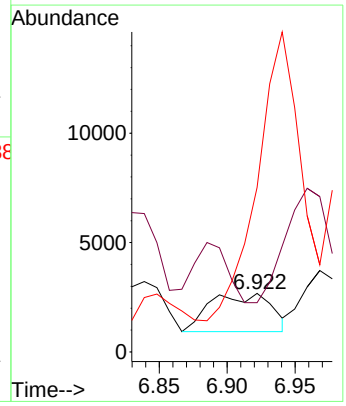


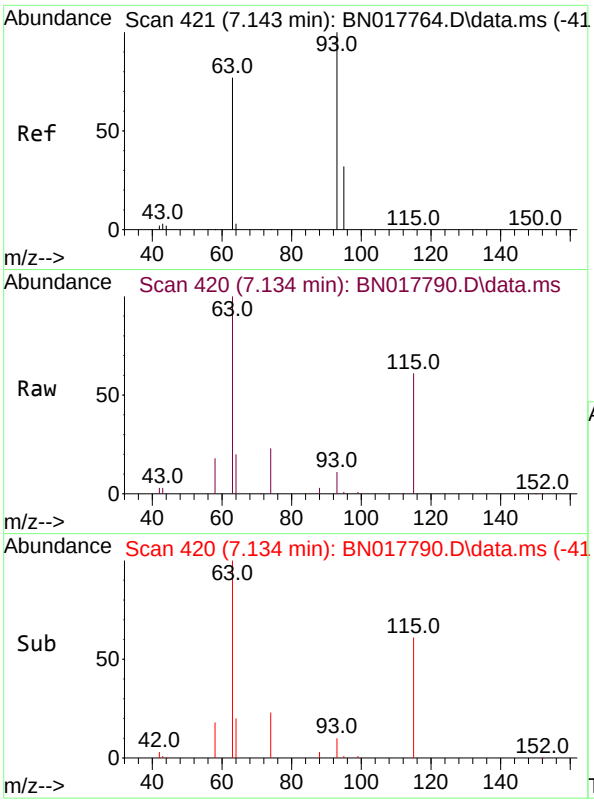




#5
Phenol-d6
Concen: 0.134 ng
RT: 6.922 min Scan# 397
Delta R.T. 0.018 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

Tgt Ion: 99 Resp: 5479

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 0.0 | 16.6 | 25.0# |
| 71 | 537.5 | 29.0 | 43.4# |



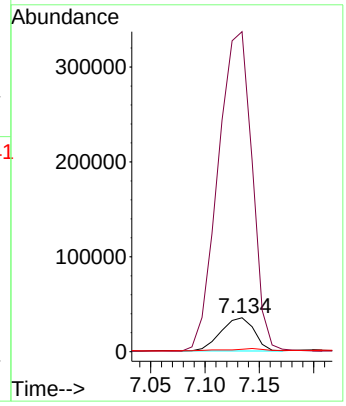


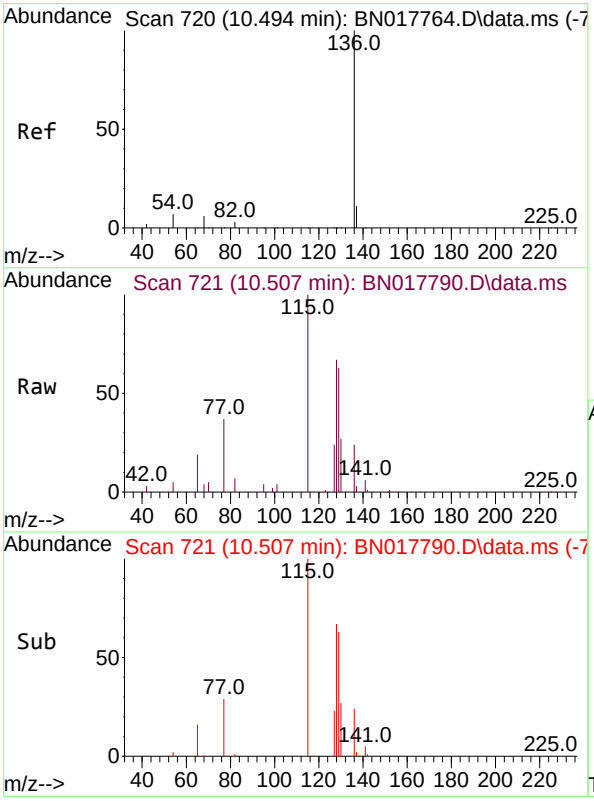

#6
bis(2-Chloroethyl)ether
Concen: 1.608 ng
RT: 7.134 min Scan# 4
Delta R.T. -0.009 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

**Instrument :**
BNA_N
**ClientSampleId :**
MW-39

Tgt Ion: 93 Resp: 74511

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 63 | 986.7 | 62.0 | 93.0# |
| 95 | 7.1 | 26.4 | 39.6# |

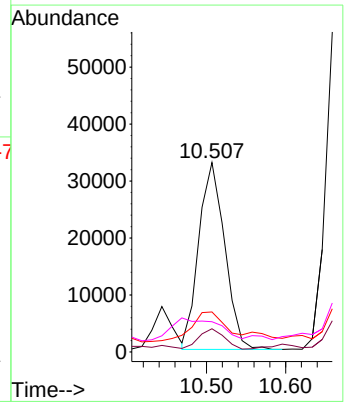


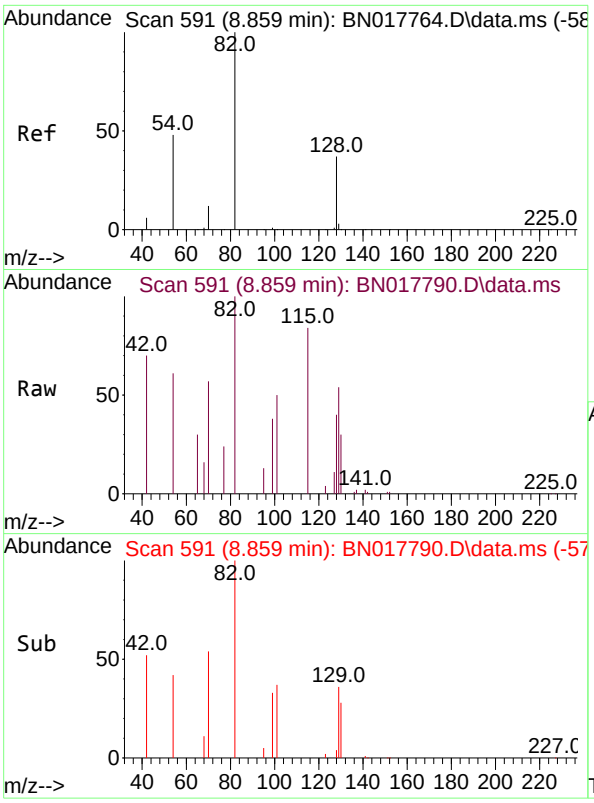




#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.507 min Scan# 721
Delta R.T. 0.013 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

Tgt Ion:136 Resp: 74890

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 12.2 | 8.8 | 13.2 |
| 54 | 21.2 | 5.9 | 8.9# |
| 68 | 16.0 | 5.0 | 7.6# |



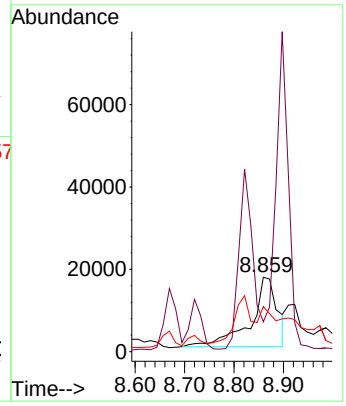


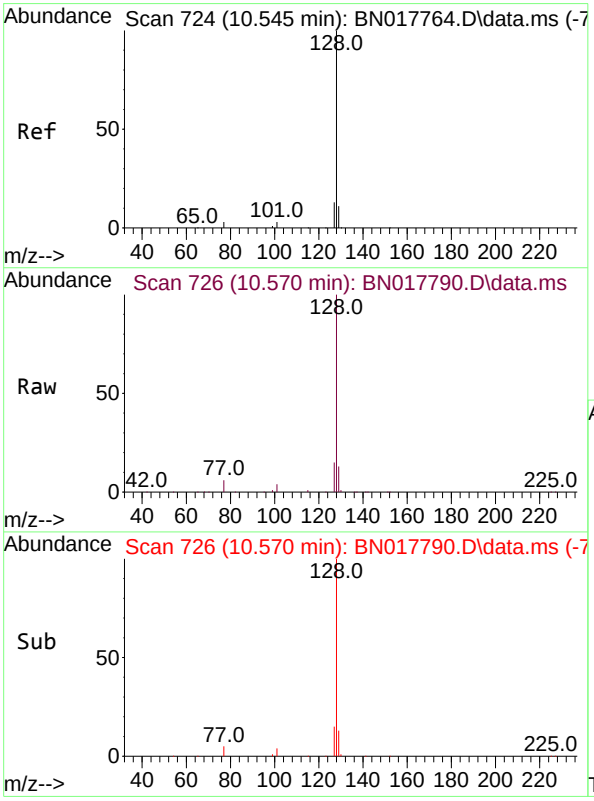

#8
Nitrobenzene-d5
Concen: 1.263 ng
RT: 8.859 min Scan# 5
Delta R.T. -0.000 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

**Instrument :**
BNA_N
**ClientSampleId :**
MW-39

Tgt Ion: 82 Resp: 62932

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 40.3 | 30.2 | 45.2 |
| 54 | 60.7 | 39.0 | 58.6# |

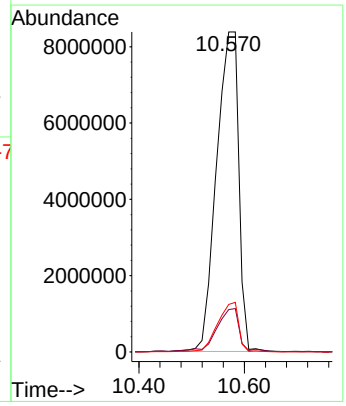


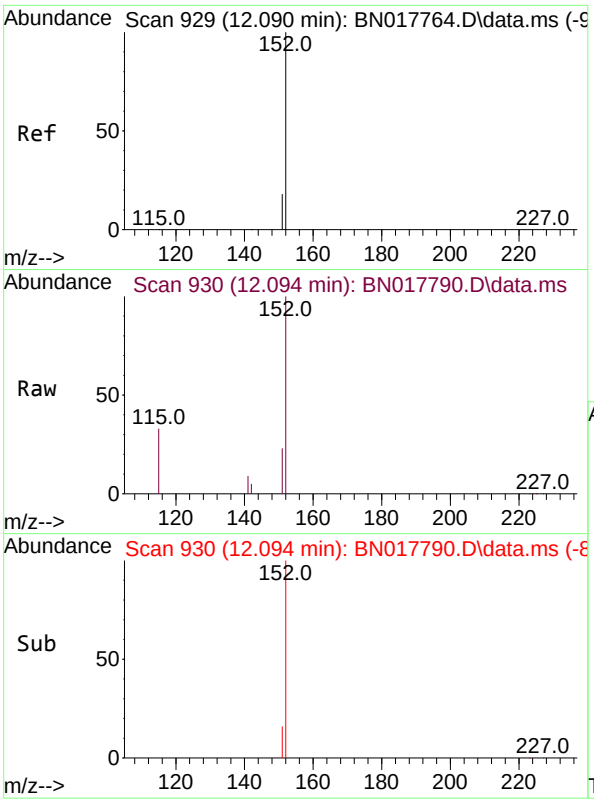




#9
Naphthalene
Concen: 125.188 ng
RT: 10.570 min Scan# 726
Delta R.T. 0.025 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

Tgt Ion:128 Resp:24548288

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 13.3 | 8.8 | 13.2# |
| 127 | 14.8 | 10.6 | 15.8 |



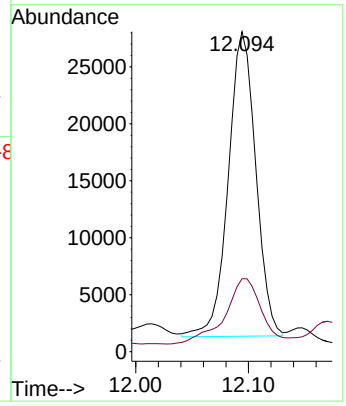


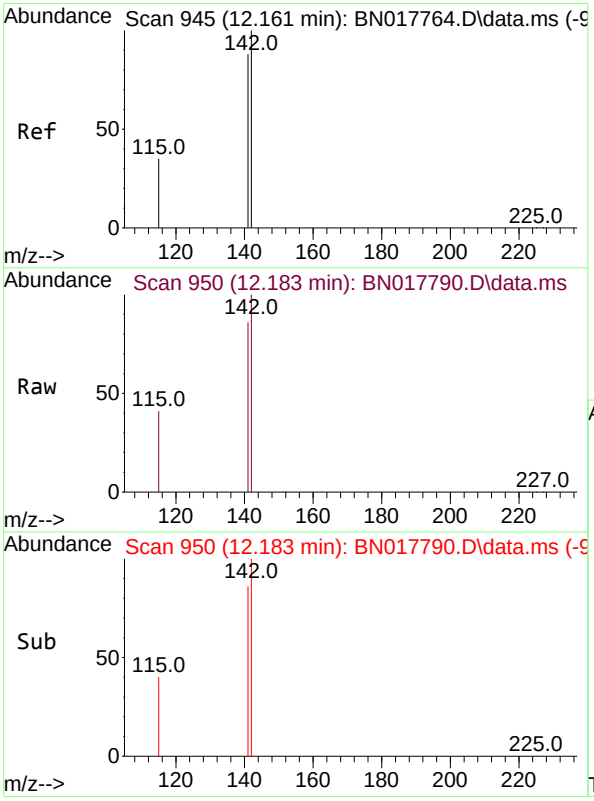

#11
2-Methylnaphthalene-d10
Concen: 0.304 ng
RT: 12.094 min Scan# 9
Delta R.T. 0.004 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

**Instrument :**
BNA_N
**ClientSampleId :**
MW-39

Tgt Ion:152 Resp: 45380

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 28.6 | 16.4 | 24.6# |

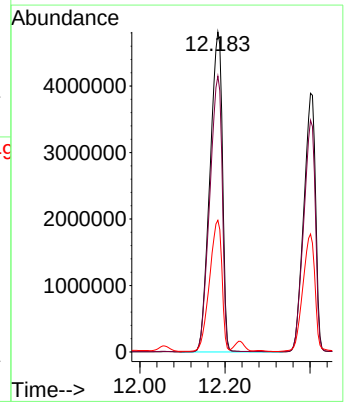


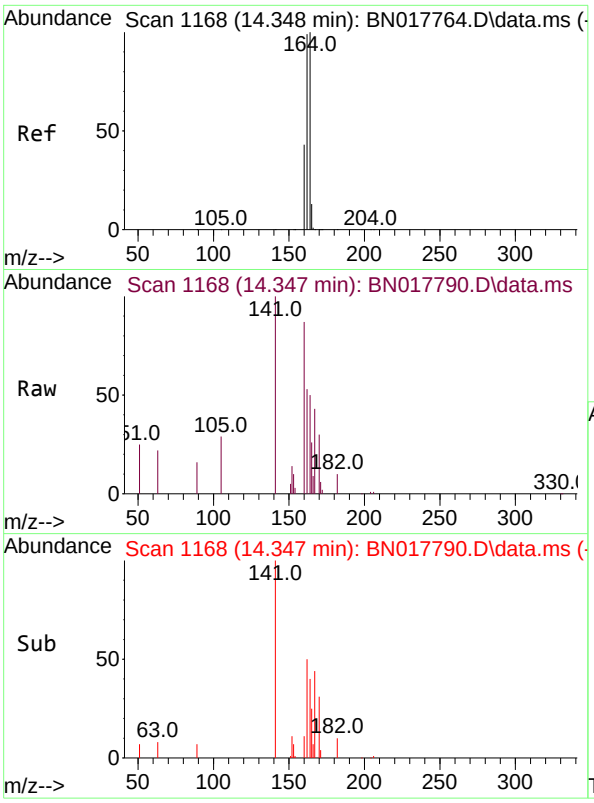




#12
2-Methylnaphthalene
Concen: 69.430 ng
RT: 12.183 min Scan# 950
Delta R.T. 0.022 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

Tgt Ion:142 Resp: 9810776

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.2 | 70.5 | 105.7 |
| 115 | 41.1 | 28.0 | 42.0 |



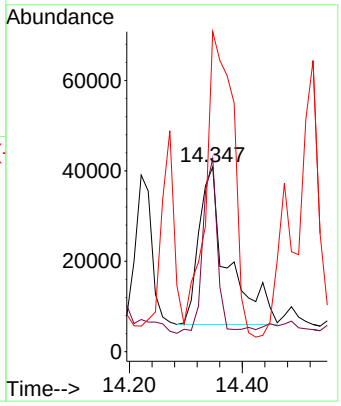


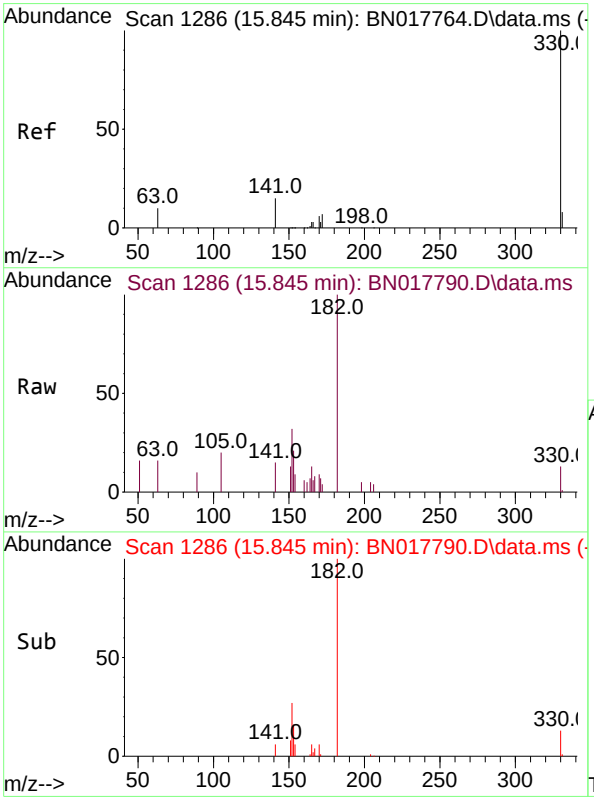

#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.347 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

**Instrument :**
BNA_N
**ClientSampleId :**
MW-39

Tgt Ion:164 Resp: 124045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.6 | 79.0 | 118.6 |
| 160 | 173.2 | 34.6 | 52.0# |

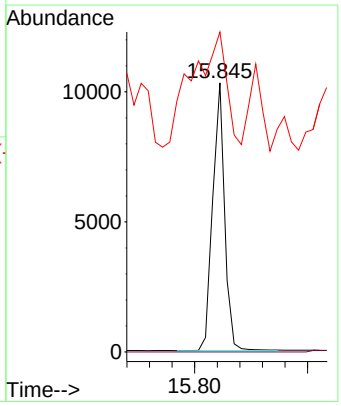


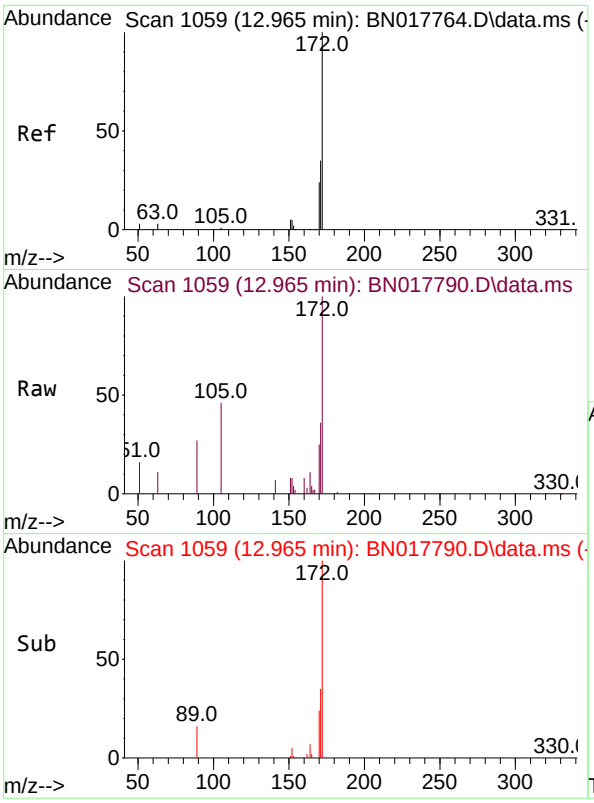




#14
2,4,6-Tribromophenol
Concen: 0.233 ng
RT: 15.845 min Scan# 1286
Delta R.T. -0.000 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

Tgt Ion:330 Resp: 15120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 0.0 | 0.0 | 0.0 |
| 141 | 108.3 | 21.5 | 32.3# |



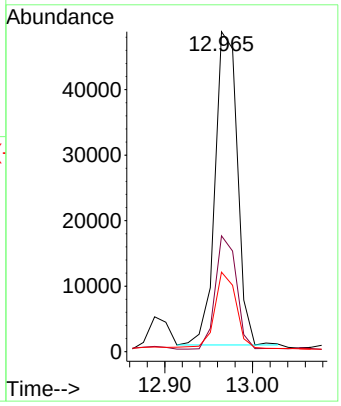


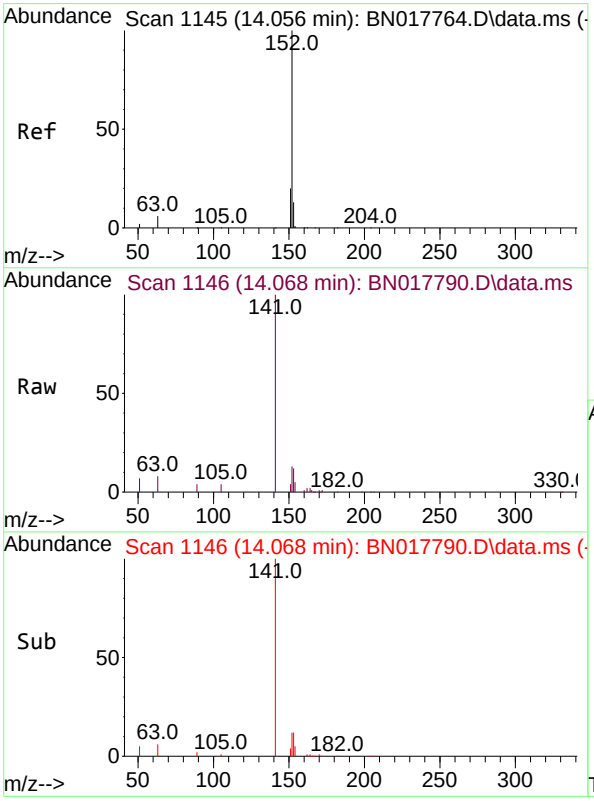

#15
2-Fluorobiphenyl
Concen: 0.186 ng
RT: 12.965 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

**Instrument :**
BNA_N
**ClientSampleId :**
MW-39

Tgt Ion:172 Resp: 84501

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 28.1 | 42.1 |
| 170 | 24.9 | 18.9 | 28.3 |

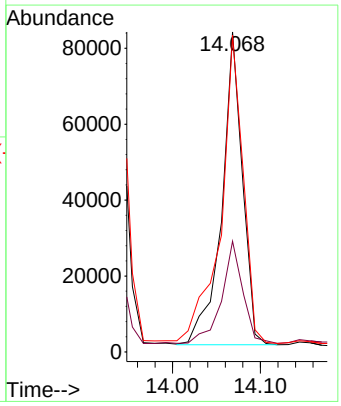


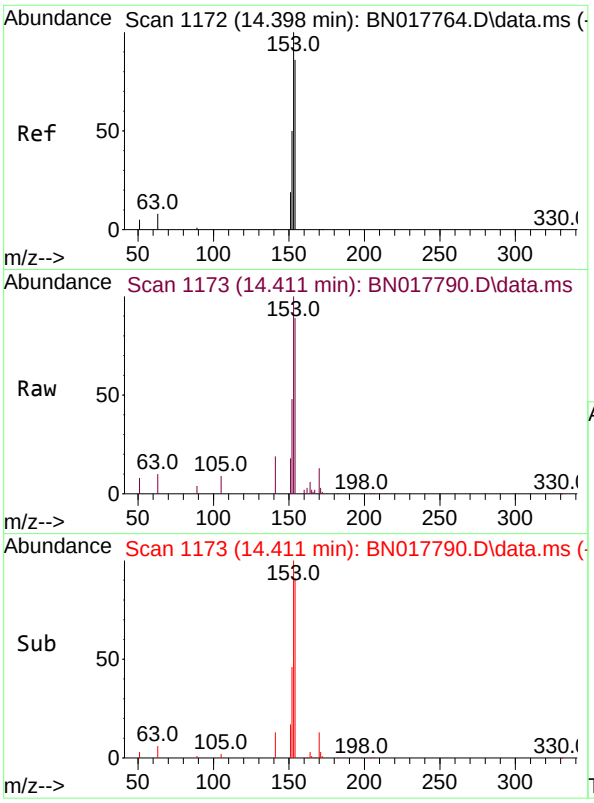




#16
Acenaphthylene
Concen: 0.276 ng
RT: 14.068 min Scan# 1146
Delta R.T. 0.013 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

Tgt Ion:152 Resp: 134650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 33.5 | 15.7 | 23.5# |
| 153 | 107.4 | 10.4 | 15.6# |



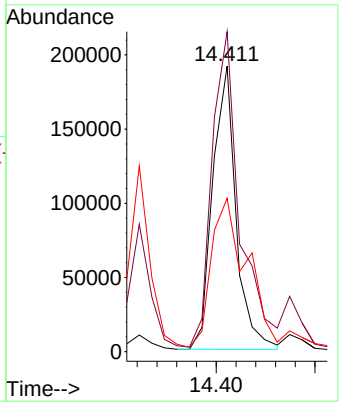


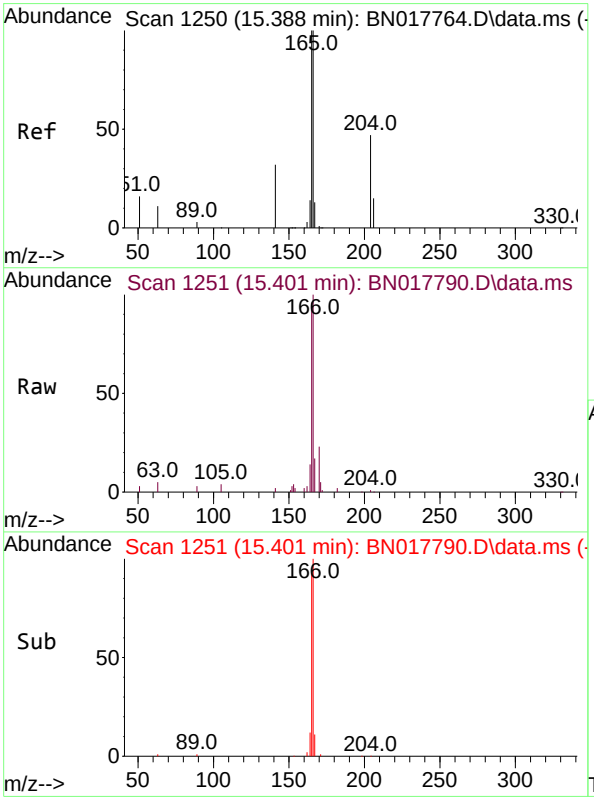

#17
Acenaphthene
Concen: 0.964 ng
RT: 14.411 min Scan# 11
Delta R.T. 0.013 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

**Instrument :**
BNA_N
**ClientSampleId :**
MW-39

Tgt Ion:154 Resp: 312940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 132.0 | 90.1 | 135.1 |
| 152 | 85.0 | 43.7 | 65.5# |

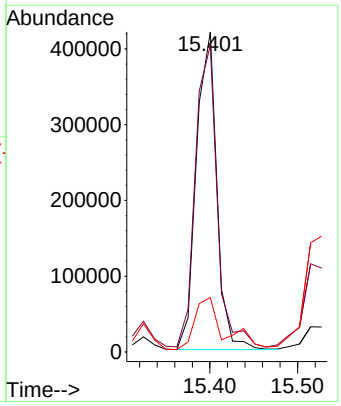


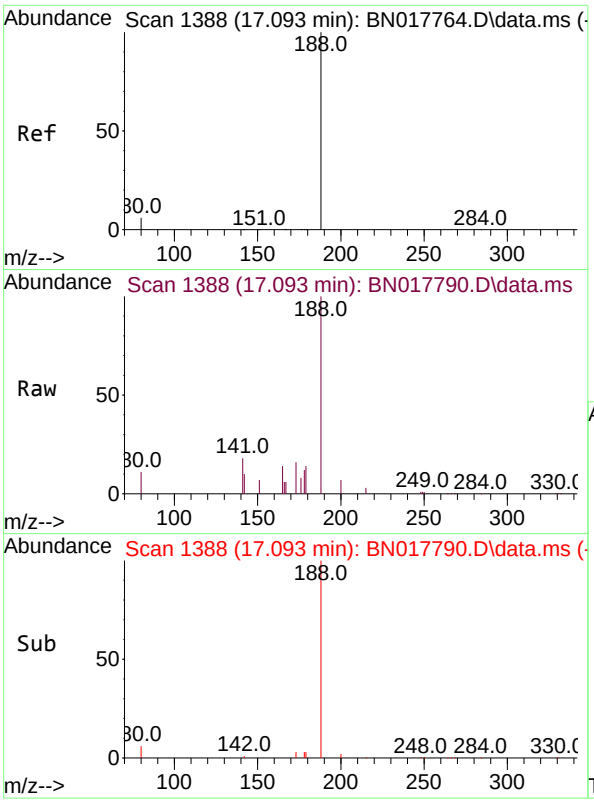




#18
Fluorene
Concen: 1.637 ng
RT: 15.401 min Scan# 1251
Delta R.T. 0.013 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

Tgt Ion:166 Resp: 678838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 101.0 | 77.8 | 116.8 |
| 167 | 23.5 | 11.0 | 16.4# |



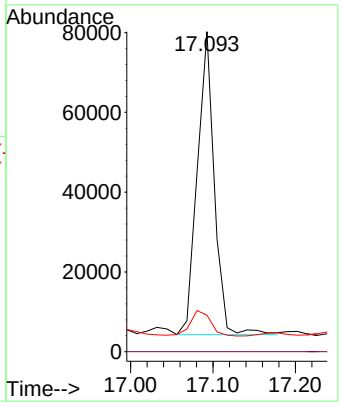


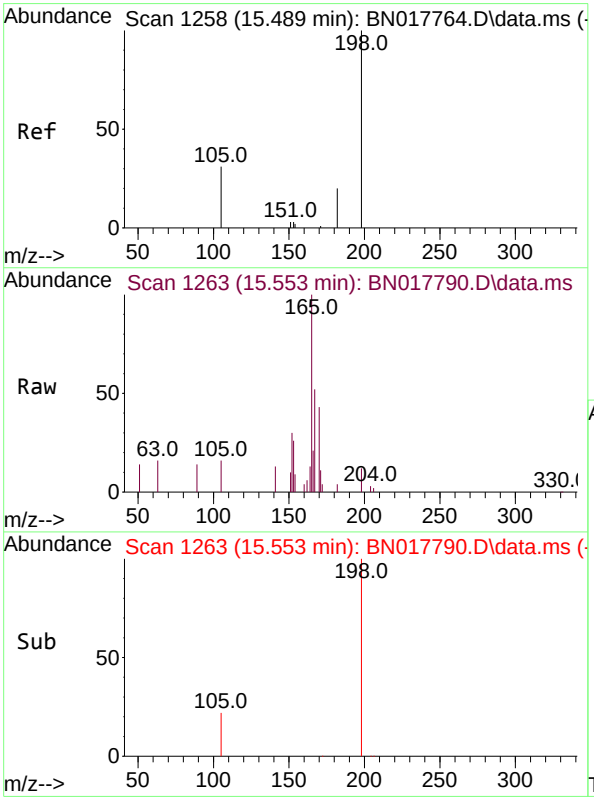

#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.093 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

**Instrument :**
BNA_N
**ClientSampleId :**
MW-39

Tgt Ion:188 Resp: 108831

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 0.0 | 0.0 | 0.0 |
| 80 | 11.4 | 5.1 | 7.7# |

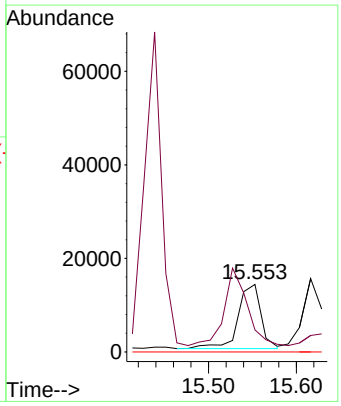


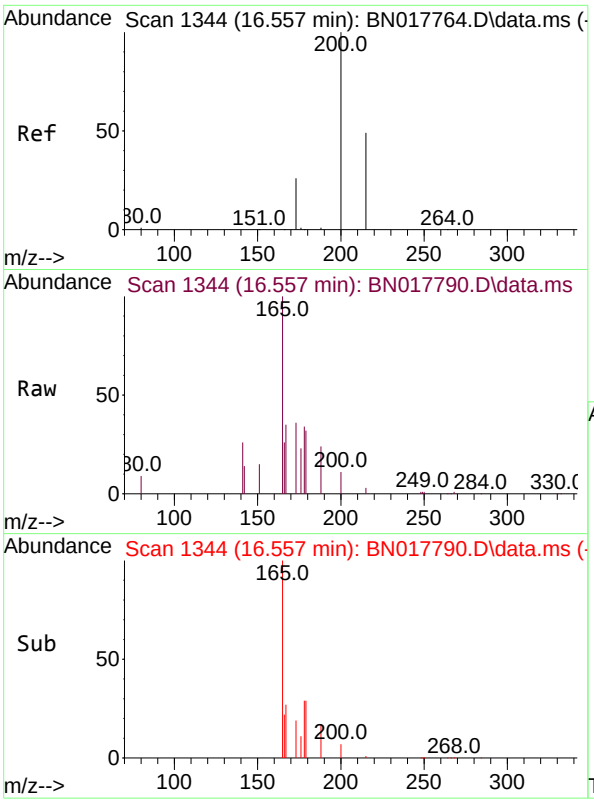




#20
4,6-Dinitro-2-methylphenol
Concen: 4.321 ng
RT: 15.553 min Scan# 1263
Delta R.T. 0.064 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

Tgt Ion:198 Resp: 24722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 182 | 32.6 | 44.2 | 66.2# |
| 77 | 0.0 | 0.0 | 0.0 |



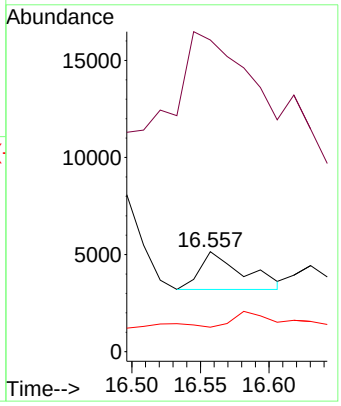


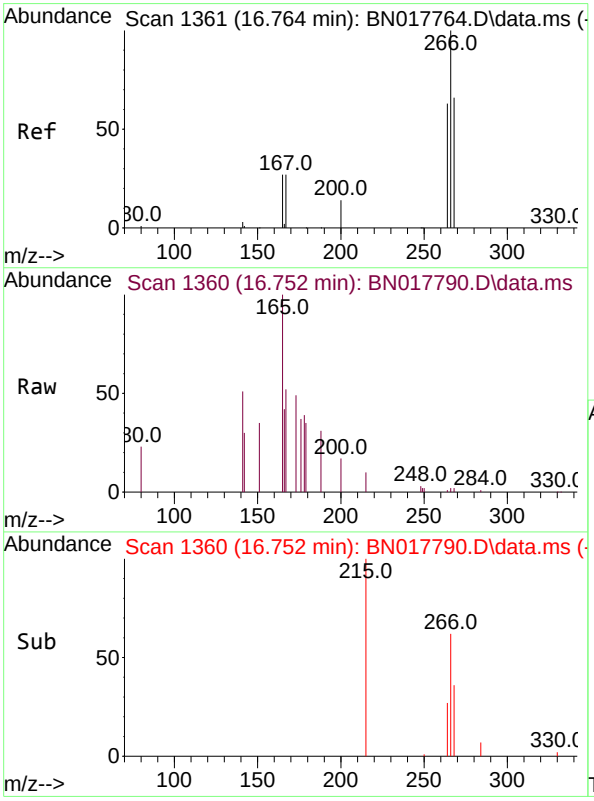

#23
Atrazine
Concen: 0.090 ng
RT: 16.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

**Instrument :**
BNA_N
**ClientSampleId :**
MW-39

Tgt Ion:200 Resp: 4270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 200 | 100 | | |
| 173 | 311.8 | 21.4 | 32.2# |
| 215 | 24.5 | 39.3 | 58.9# |

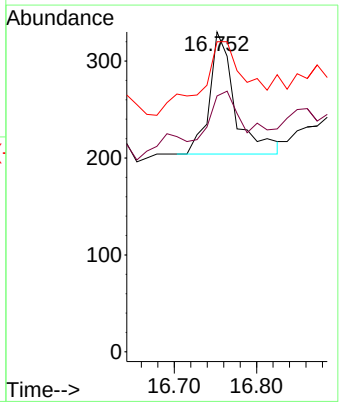


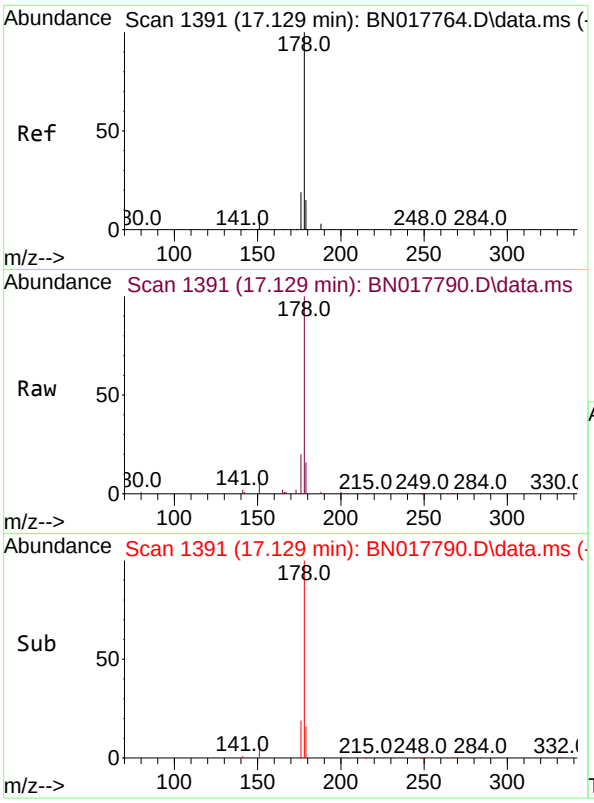




#24
Pentachlorophenol
Concen: 0.289 ng
RT: 16.752 min Scan# 1360
Delta R.T. -0.012 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

Tgt Ion:266 Resp: 271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 264 | 49.8 | 50.8 | 76.2# |
| 268 | 70.1 | 51.8 | 77.6 |



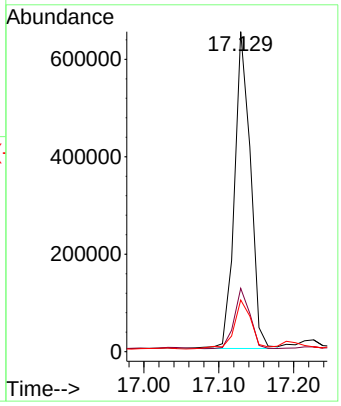


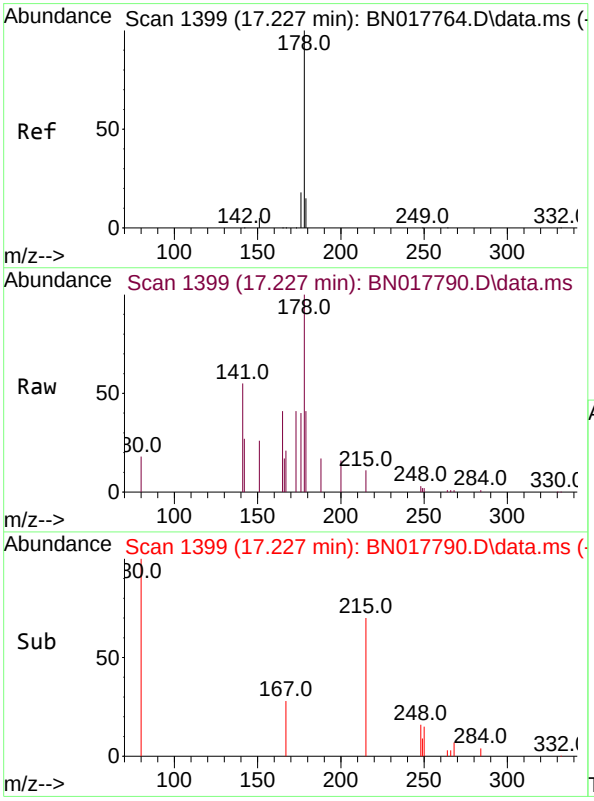

#25
Phenanthrene
Concen: 3.351 ng
RT: 17.129 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

**Instrument :**
BNA_N
**ClientSampleId :**
MW-39

Tgt Ion:178 Resp: 958185

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.6 | 15.0 | 22.6 |
| 179 | 16.7 | 12.5 | 18.7 |

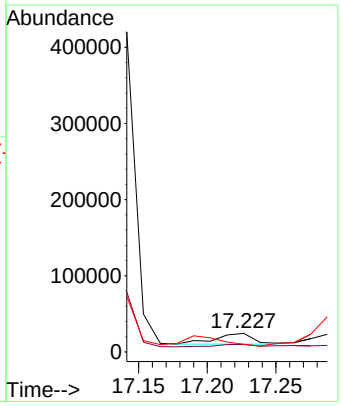


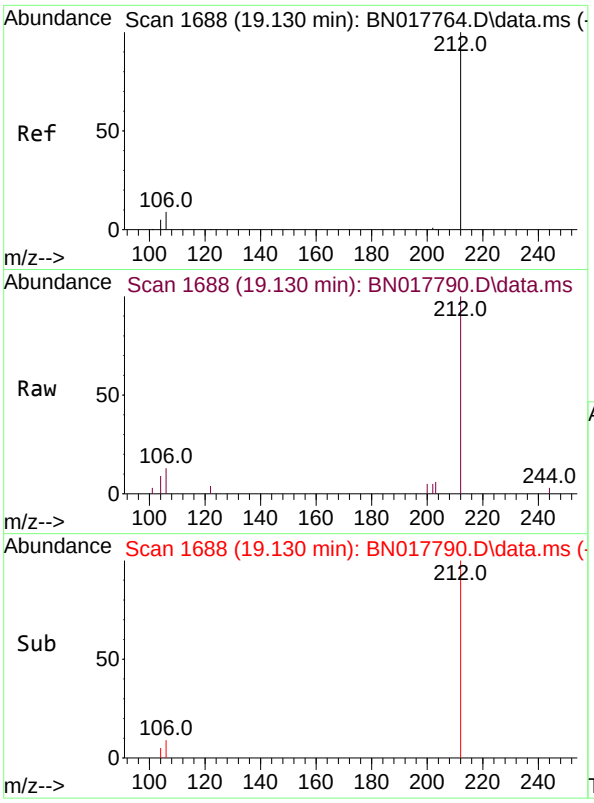




#26
Anthracene
Concen: 0.109 ng
RT: 17.227 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

Tgt Ion:178 Resp: 27385

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 27.6 | 14.5 | 21.7# |
| 179 | 0.0 | 12.2 | 18.4# |



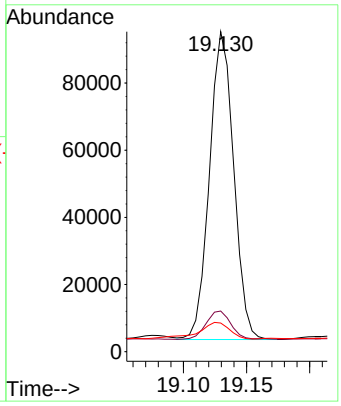


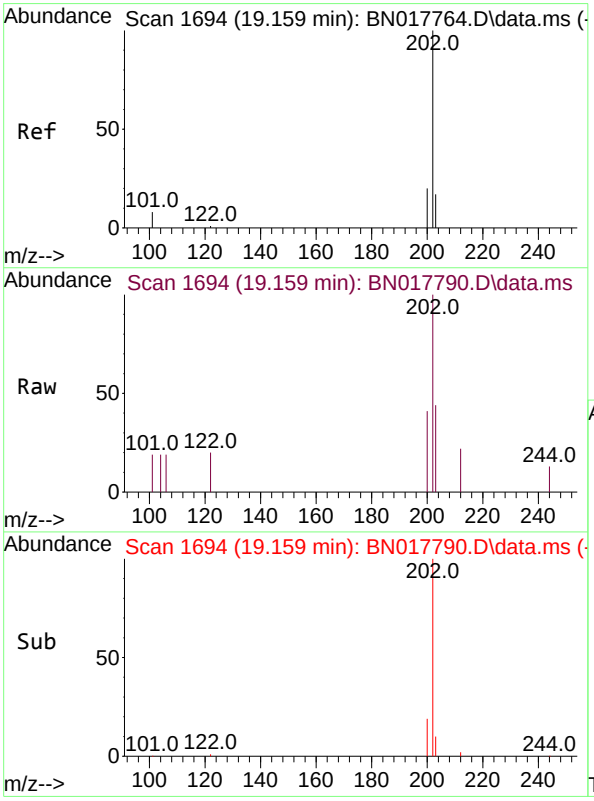

#27
Fluoranthene-d10
Concen: 0.336 ng
RT: 19.130 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

**Instrument :**
BNA_N
**ClientSampleId :**
MW-39

Tgt Ion:212 Resp: 122070

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 212 | 100 | | |
| 106 | 9.4 | 8.2 | 12.2 |
| 104 | 7.1 | 4.6 | 6.8# |

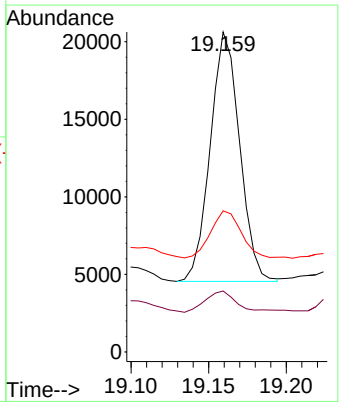


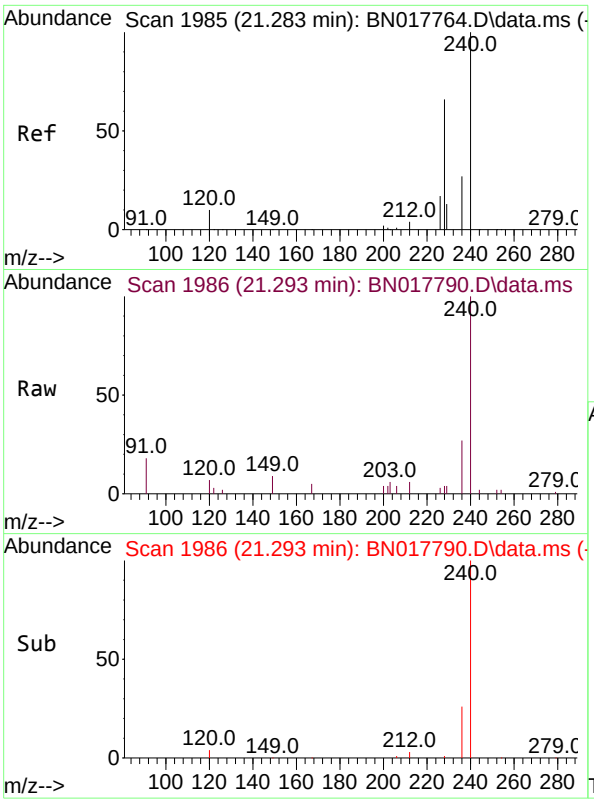




#28
Fluoranthene
Concen: 0.061 ng
RT: 19.159 min Scan# 1694
Delta R.T. -0.000 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

Tgt Ion:202 Resp: 21149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 9.7 | 7.2 | 10.8 |
| 203 | 19.8 | 13.7 | 20.5 |



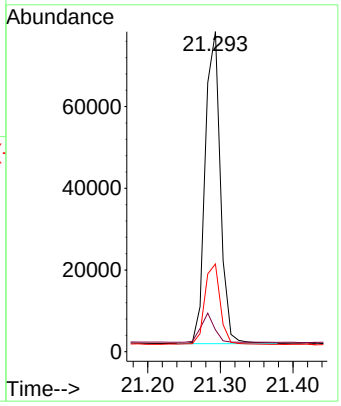


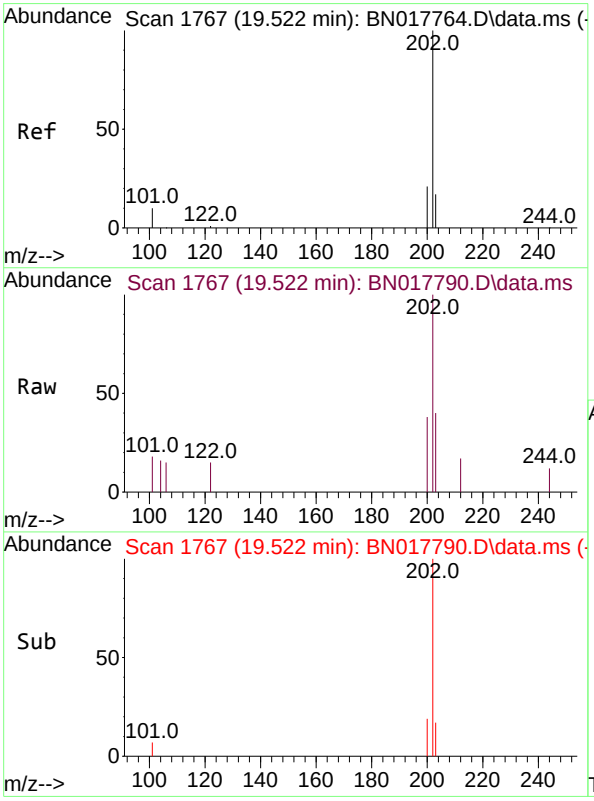

#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.293 min Scan# 1
Delta R.T. 0.011 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

**Instrument :**
BNA_N
**ClientSampleId :**
MW-39

Tgt Ion:240 Resp: 111020

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 6.8 | 7.9 | 11.9# |
| 236 | 27.4 | 21.4 | 32.2 |

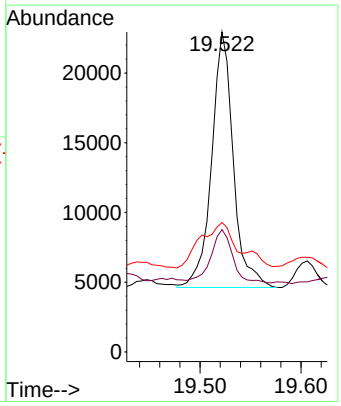


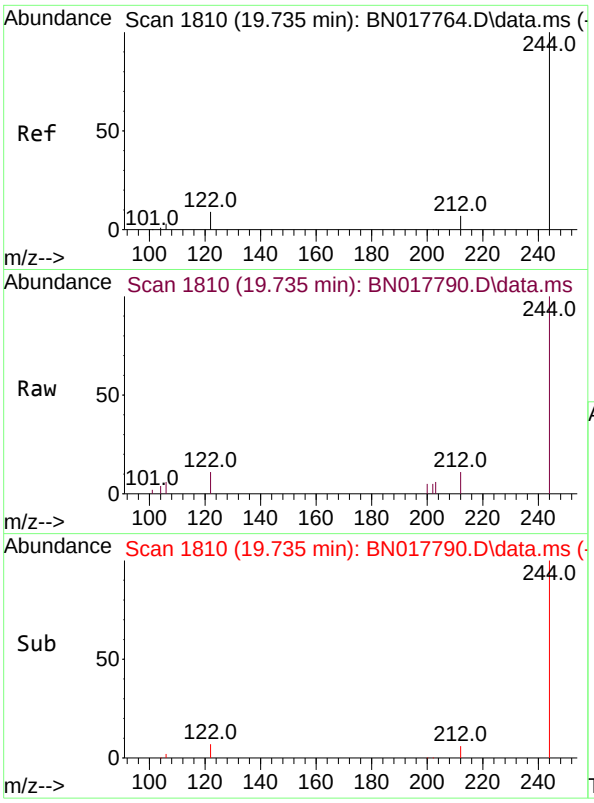




#30
Pyrene
Concen: 0.078 ng
RT: 19.522 min Scan# 1767
Delta R.T. -0.000 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

Tgt Ion:202 Resp: 27354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.5 | 16.5 | 24.7 |
| 203 | 26.5 | 14.0 | 21.0# |



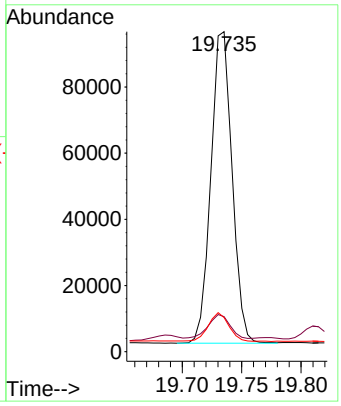


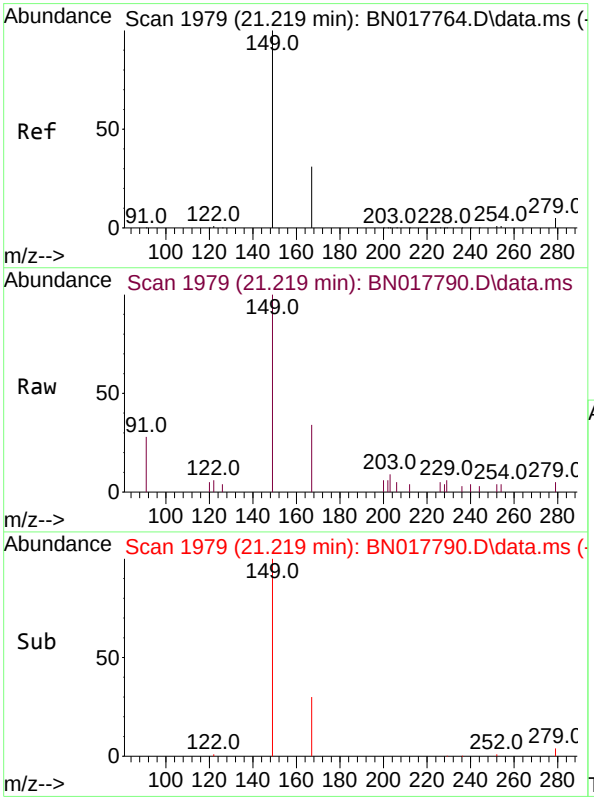

#31
Terphenyl-d14
Concen: 0.489 ng
RT: 19.735 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

**Instrument :**
BNA_N
**ClientSampleId :**
MW-39

Tgt Ion:244 Resp: 116572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 11.0 | 5.8 | 8.8# |
| 122 | 10.7 | 7.1 | 10.7 |

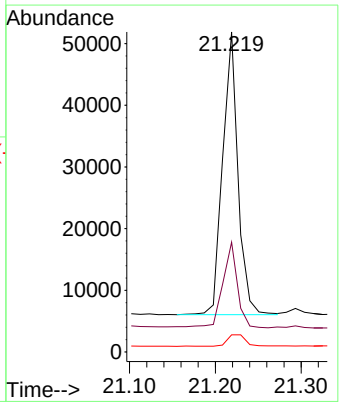


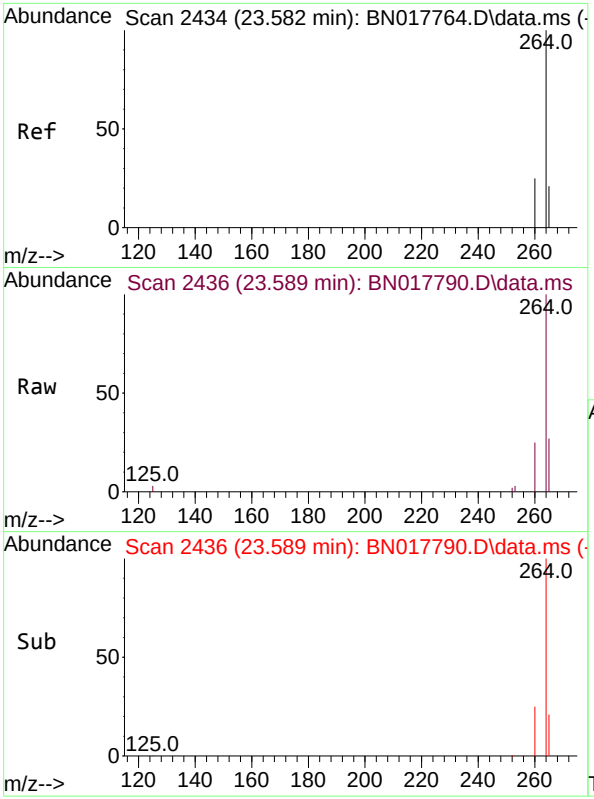




#34
Bis(2-ethylhexyl)phthalate
Concen: 0.367 ng
RT: 21.219 min Scan# 1979
Delta R.T. -0.000 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

Tgt Ion:149 Resp: 56863

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 28.8 | 23.5 | 35.3 |
| 279 | 4.9 | 3.8 | 5.6 |






#35
Perylene-d12
Concen: 0.400 ng
RT: 23.589 min Scan# 24
Delta R.T. 0.007 min
Lab File: BN017790.D
Acq: 08 Dec 2021 08:33

**Instrument :**
BNA_N
**ClientSampleId :**
MW-39

Tgt Ion:264 Resp: 112700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 25.5 | 20.0 | 30.0 |
| 265 | 26.5 | 20.5 | 30.7 |