Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120534.D
Acq On : 4 Jun 2020 15:33
Operator : JU/CG
Sample : L2839-24RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** NMDUP06-2020-0-6

Quant Time: Jun 04 16:34:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 03 14:26:17 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 182916 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.11 | 136 | 685370 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.86 | 164 | 332564 | 20.00 | ng | | -0.02 |
| 64) Phenanthrene-d10 | 11.35 | 188 | 598015 | 20.00 | ng | | -0.01 |
| 76) Chrysene-d12 | 13.99 | 240 | 393453 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 15.45 | 264 | 468743 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.45 | 112 | 1585003 | 165.14 | ng | | 0.00 |
| 7) Phenol-d6 | 6.47 | 99 | 2061093 | 174.22 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 1354551 | 129.28 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.66 | 330 | 517654 | 168.00 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.19 | 172 | 2126500 | 108.49 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.94 | 244 | 2163894 | 122.38 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 15) Benzyl Alcohol | 6.99 | 79 | 21018 | 2.357 | ng | # | 47 |
| 19) n-Nitroso-di-n-propylamine | 7.39 | 70 | 182572 | 24.278 | ng | # | 78 |
| 25) Isophorone | 7.40 | 82 | 1349260 | 64.072 | ng | # | 64 |
| 50) Dimethylphthalate | 9.58 | 163 | 174638 | 8.400 | ng | | 100 |
| 57) 2,4-Dinitrotoluene | 9.86 | 165 | 43164 | 7.299 | ng | # | 26 |
| 67) 4-Bromophenyl-phenylether | 10.66 | 248 | 30748 | 5.094 | ng | # | 1 |
| 71) Phenanthrene | 11.37 | 178 | 229834 | 8.722 | ng | | 97 |
| 75) Fluoranthene | 12.56 | 202 | 384640 | 13.566 | ng | | 98 |
| 77) Benzidine | 12.94 | 184 | 26989 | 2.611 | ng | # | 94 |
| 78) Pyrene | 12.79 | 202 | 328317 | 11.999 | ng | | 98 |
| 81) Benzo(a)anthracene | 13.98 | 228 | 151430 | 7.181 | ng | | 97 |
| 83) Chrysene | 14.02 | 228 | 126556 | 5.725 | ng | | 95 |
| 87) Indeno(1,2,3-cd)pyrene | 16.89 | 276 | 86095 | 3.358 | ng | | 95 |
| 88) Benzo(b)fluoranthene | 15.03 | 252 | 250542 | 9.623 | ng | | 99 |
| 89) Benzo(k)fluoranthene | 15.03 | 252 | 250542 | 10.308 | ng | | 98 |
| 90) Benzo(a)pyrene | 15.39 | 252 | 138351 | 6.075 | ng | | 99 |
| 92) Benzo(g,h,i)perylene | 17.33 | 276 | 78546 | 3.810 | ng | | 98 |

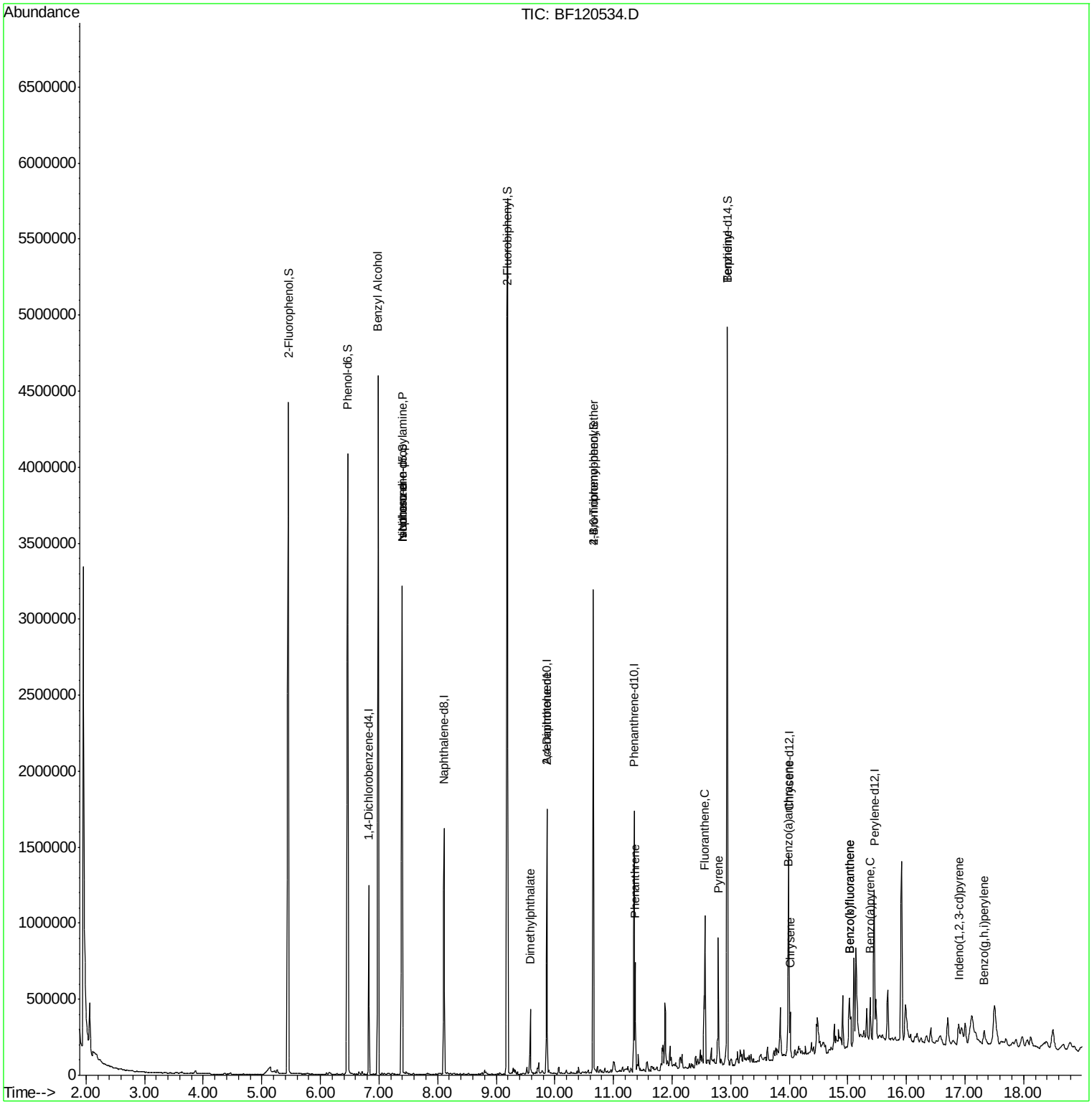
(#) = qualifier out of range (m) = manual integration (+) = signals summed

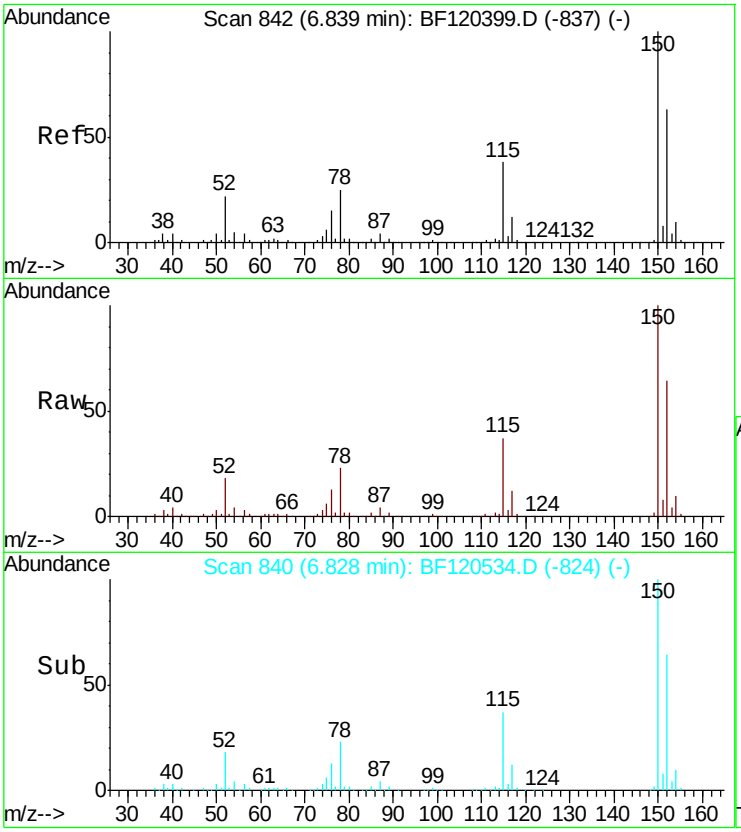
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060420\
Data File : BF120534.D
Acq On : 4 Jun 2020 15:33
Operator : JU/CG
Sample : L2839-24RE
Misc :
ALS Vial : 7 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
NMDUP06-2020-0-6

Quant Time: Jun 04 16:34:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 03 14:26:17 2020
Response via : Initial Calibration

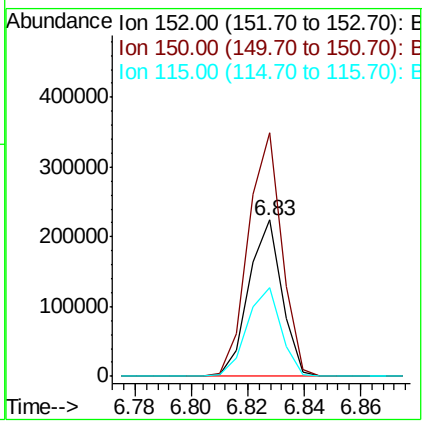




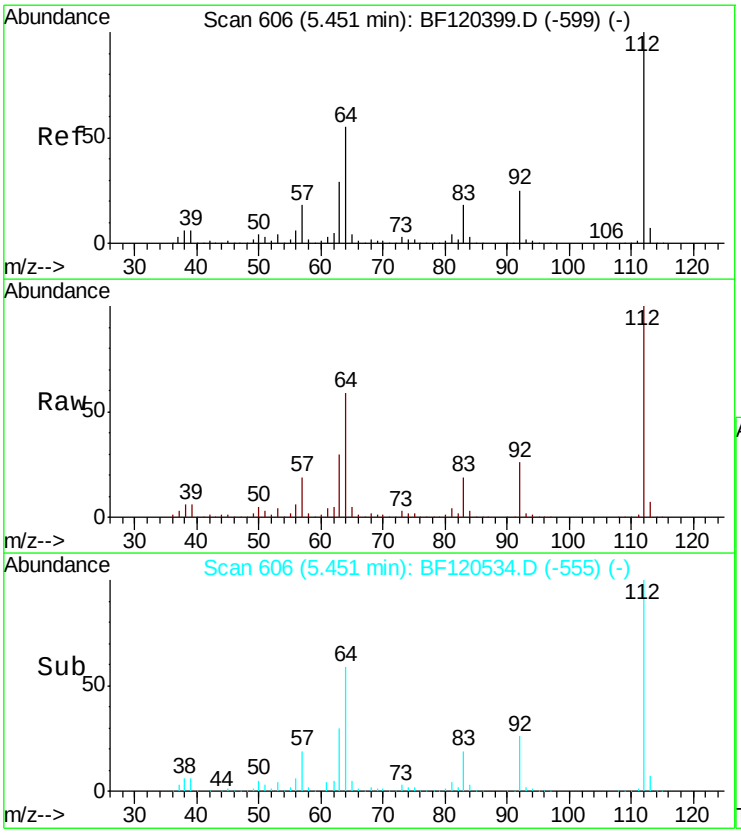

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

Tgt Ion:152 Resp: 182916

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.9 | 127.1 | 190.7 |
| 115 | 57.0 | 48.7 | 73.1 |



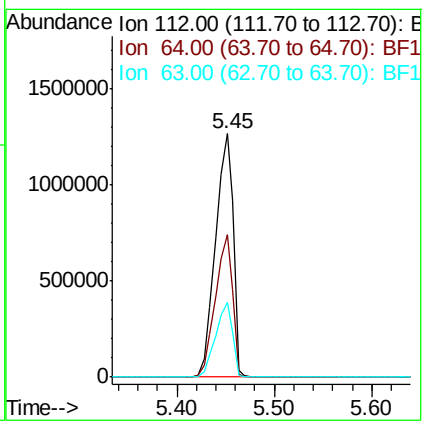

**Instrument :**
BNA_F
**ClientSampleId :**
NMDUP06-2020-0-6

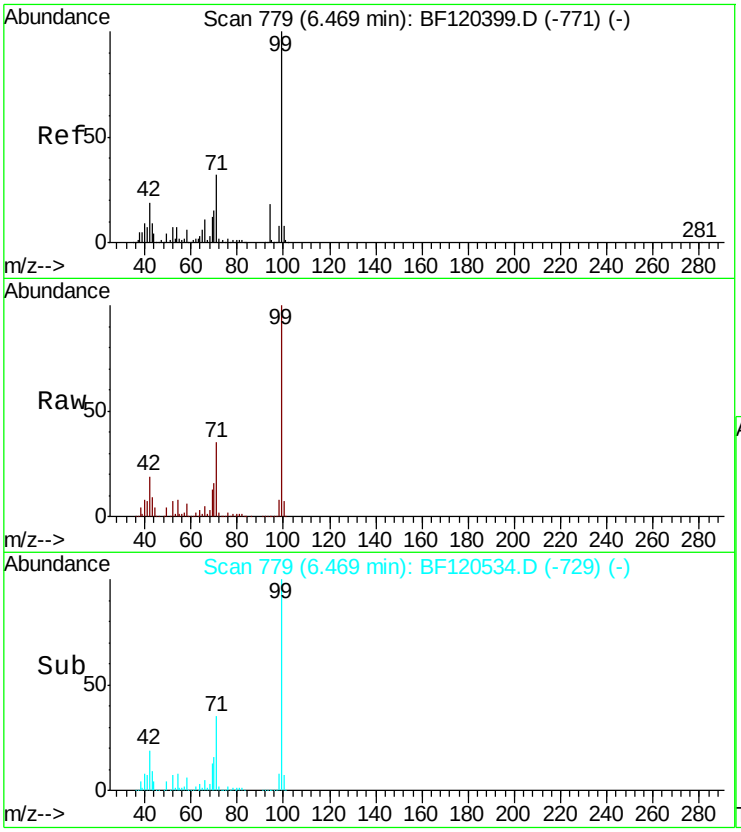



#5
2-Fluorophenol
Concen: 165.137 ng
RT: 5.45 min Scan# 606
Delta R.T. 0.00 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

Tgt Ion:112 Resp: 1585003

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 58.6 | 45.8 | 68.8 |
| 63 | 30.5 | 23.7 | 35.5 |



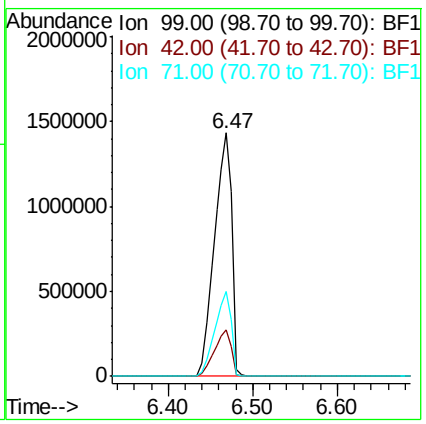


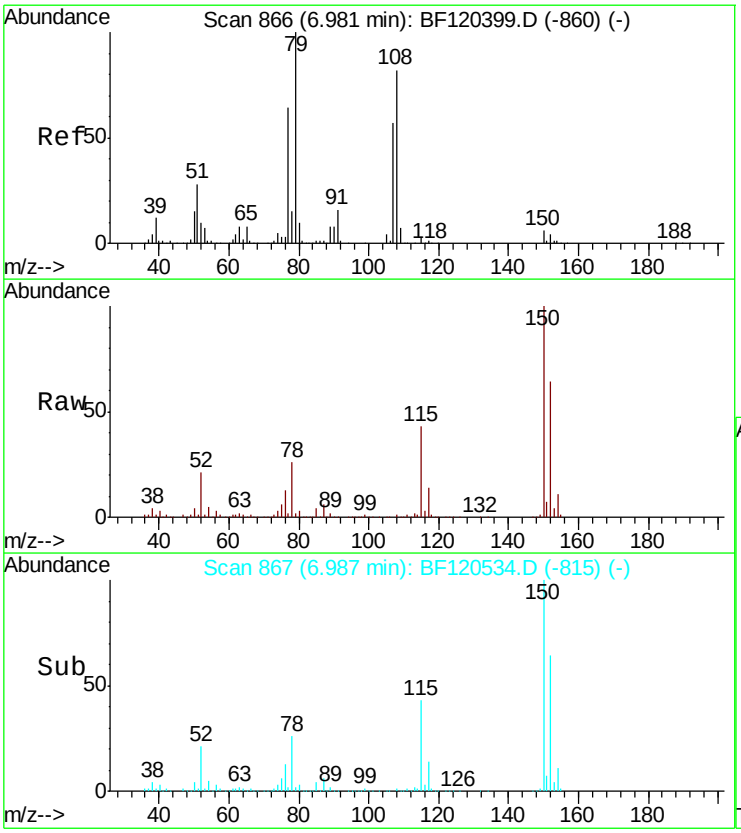

#7
Phenol-d6
Concen: 174.220 ng
RT: 6.47 min Scan# 779
Delta R.T. -0.01 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

**Instrument :**
BNA_F
**ClientSampleId :**
NMDUP06-2020-0-6

Tgt Ion: 99 Resp: 2061093

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.4 | 15.0 | 22.4 |
| 71 | 35.0 | 26.3 | 39.5 |

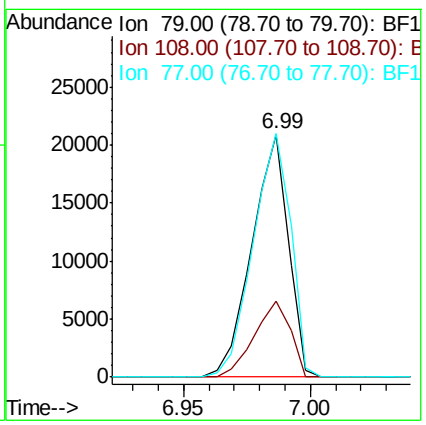


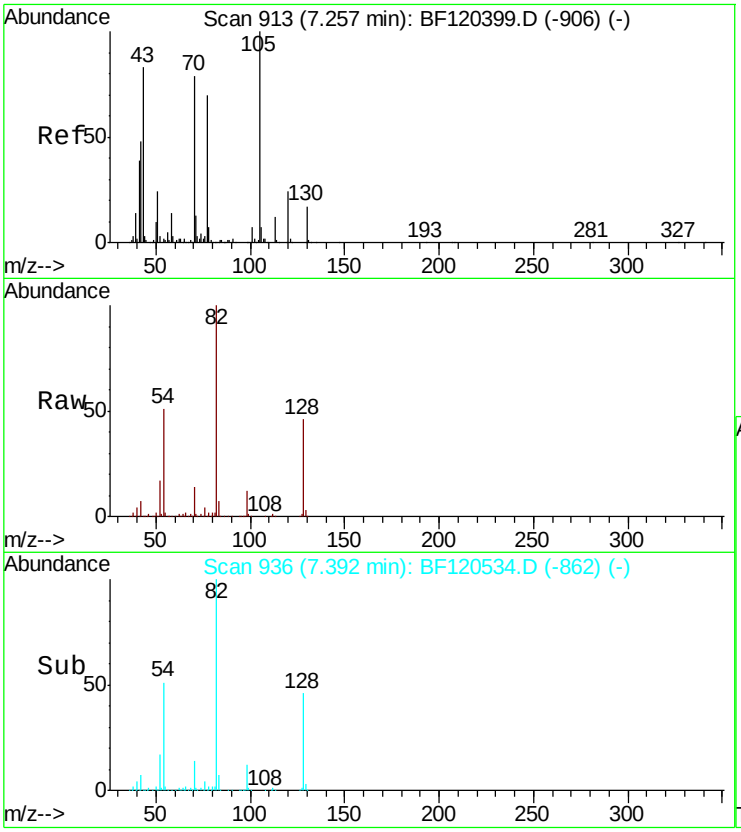




#15
Benzyl Alcohol
Concen: 2.357 ng
RT: 6.99 min Scan# 867
Delta R.T. 0.01 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

Tgt Ion: 79 Resp: 21018

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 108 | 31.3 | 64.6 | 96.8# |
| 77 | 100.3 | 50.2 | 75.2# |



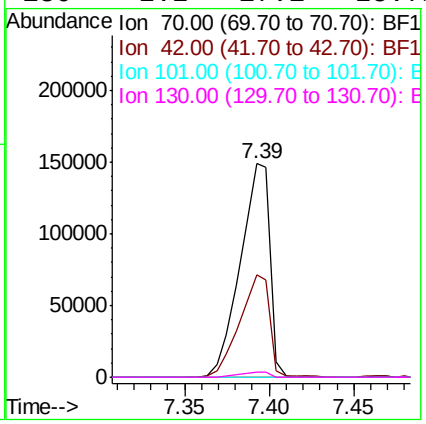


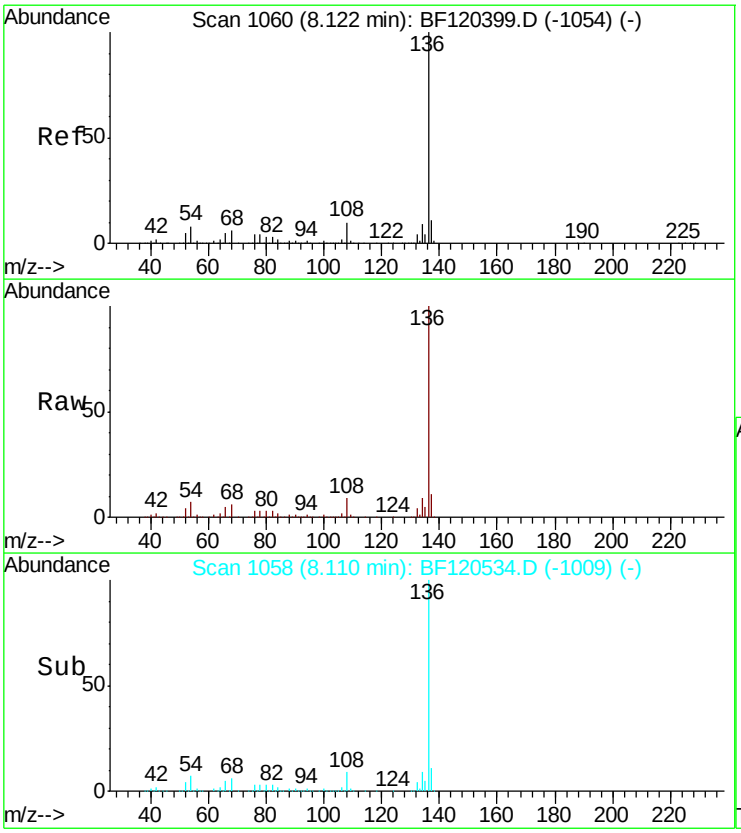

#19
n-Nitroso-di-n-propylamine
Concen: 24.278 ng
RT: 7.39 min Scan# 936
Delta R.T. 0.14 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

**Instrument :**
BNA_F
**ClientSampleId :**
NMDUP06-2020-0-6

Tgt Ion: 70 Resp: 182572

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 47.9 | 47.6 | 71.4 |
| 101 | 0.0 | 7.4 | 11.0# |
| 130 | 2.2 | 17.1 | 25.7# |

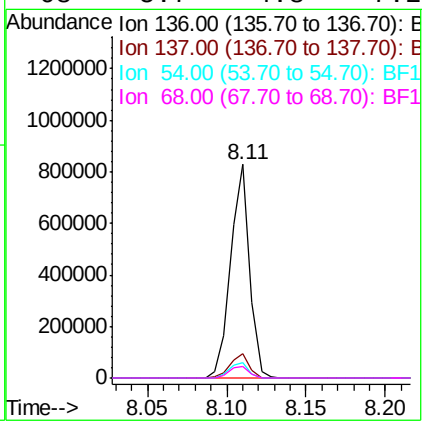


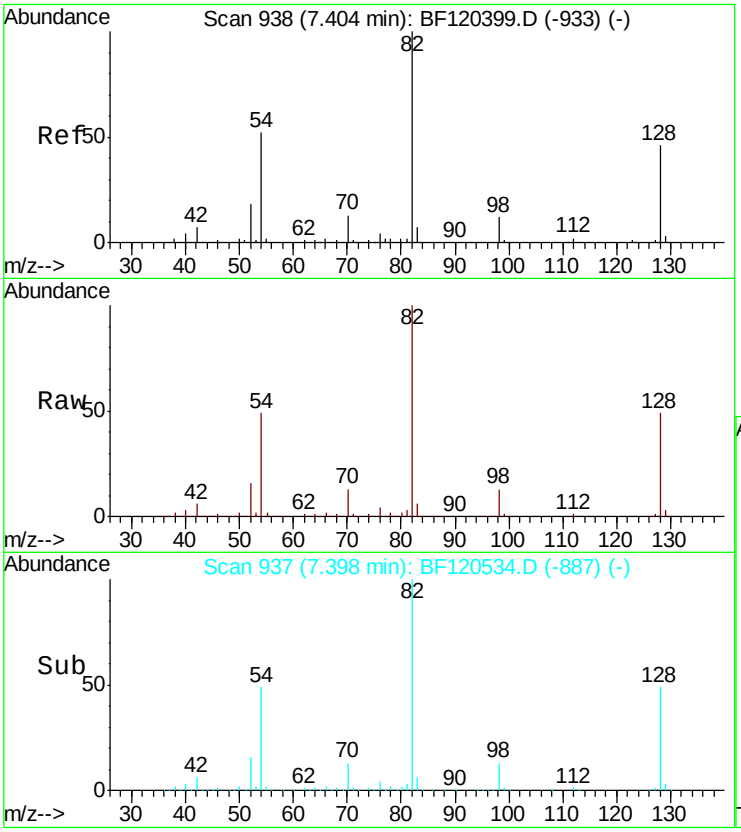




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.11 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

Tgt Ion:136 Resp: 685370

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 9.0 | 13.4 |
| 54 | 7.1 | 6.0 | 9.0 |
| 68 | 5.7 | 4.8 | 7.2 |



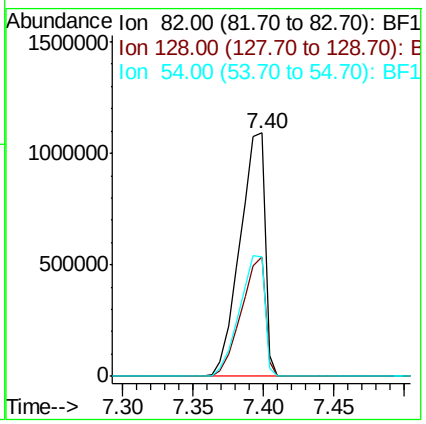


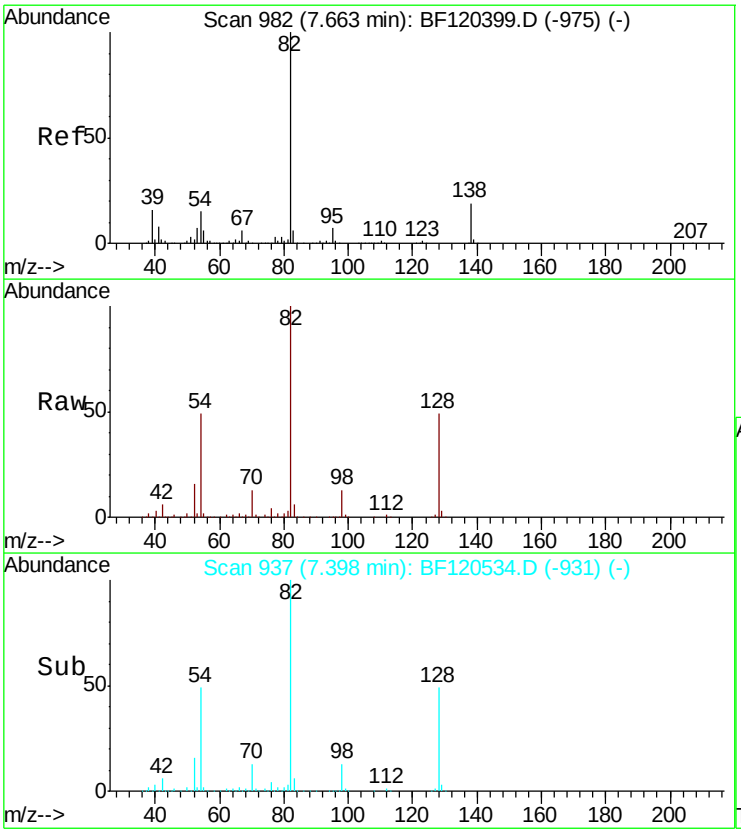

#23
Nitrobenzene-d5
Concen: 129.281 ng
RT: 7.40 min Scan# 937
Delta R.T. -0.01 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

**Instrument :**
BNA_F
**ClientSampleId :**
NMDUP06-2020-0-6

Tgt Ion: 82 Resp: 1354551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.9 | 37.4 | 56.0 |
| 54 | 48.8 | 40.7 | 61.1 |

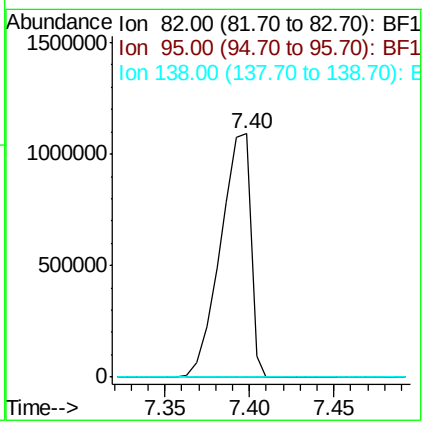


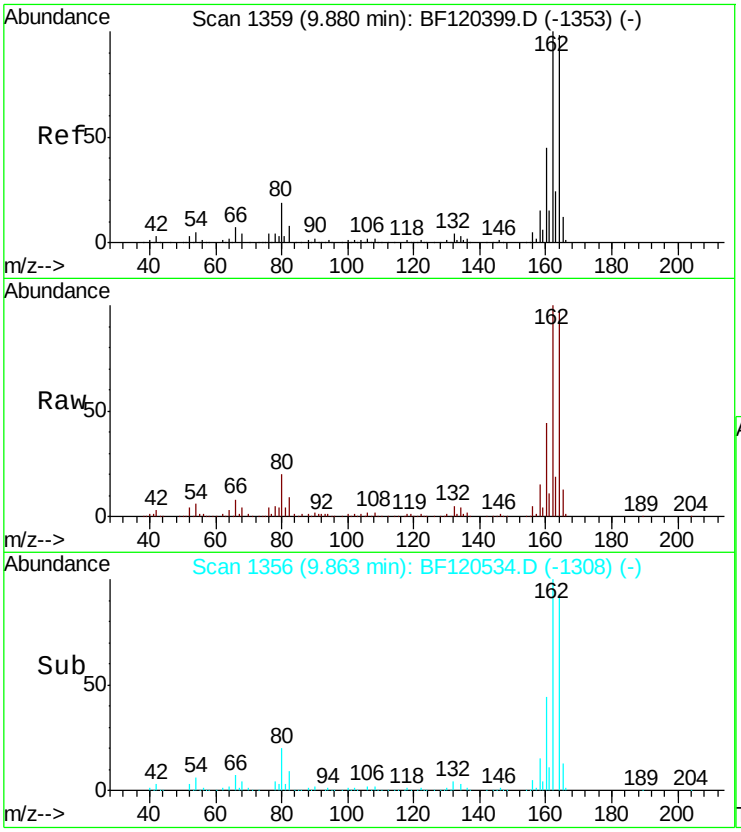




#25
Isophorone
Concen: 64.072 ng
RT: 7.40 min Scan# 937
Delta R.T. -0.26 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

Tgt Ion: 82 Resp: 1349260

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.5 | 8.3# |
| 138 | 0.0 | 15.0 | 22.6# |



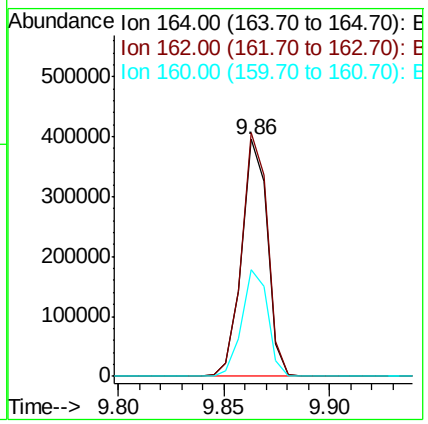


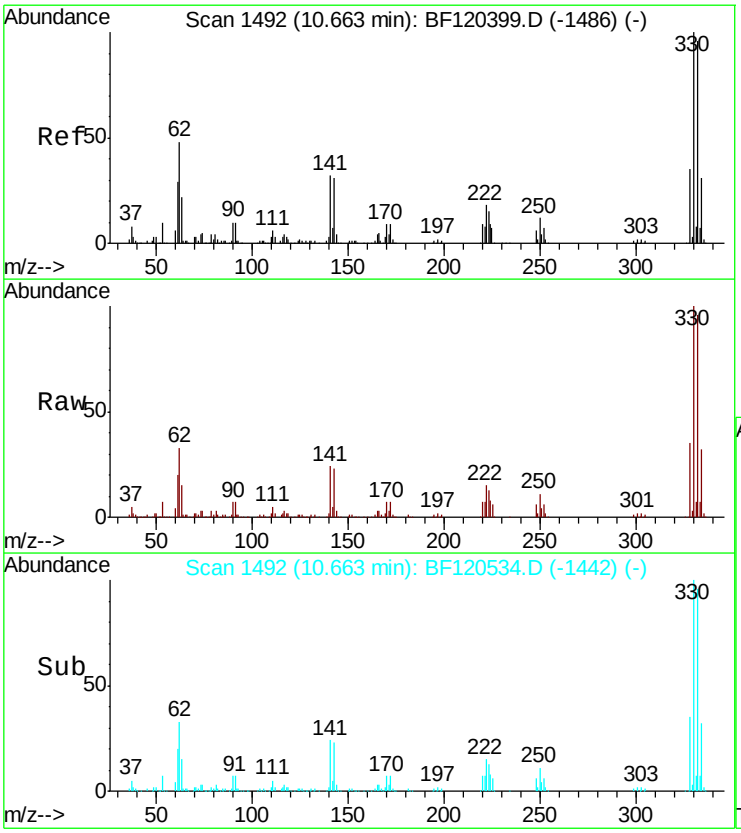

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1356
Delta R.T. -0.02 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

**Instrument :**
BNA_F
**ClientSampleId :**
NMDUP06-2020-0-6

Tgt Ion:164 Resp: 332564

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.7 | 81.8 | 122.6 |
| 160 | 45.2 | 37.3 | 55.9 |

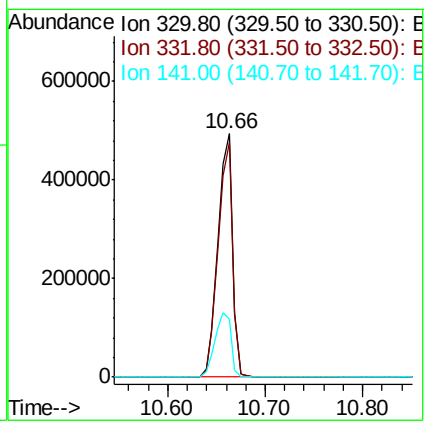


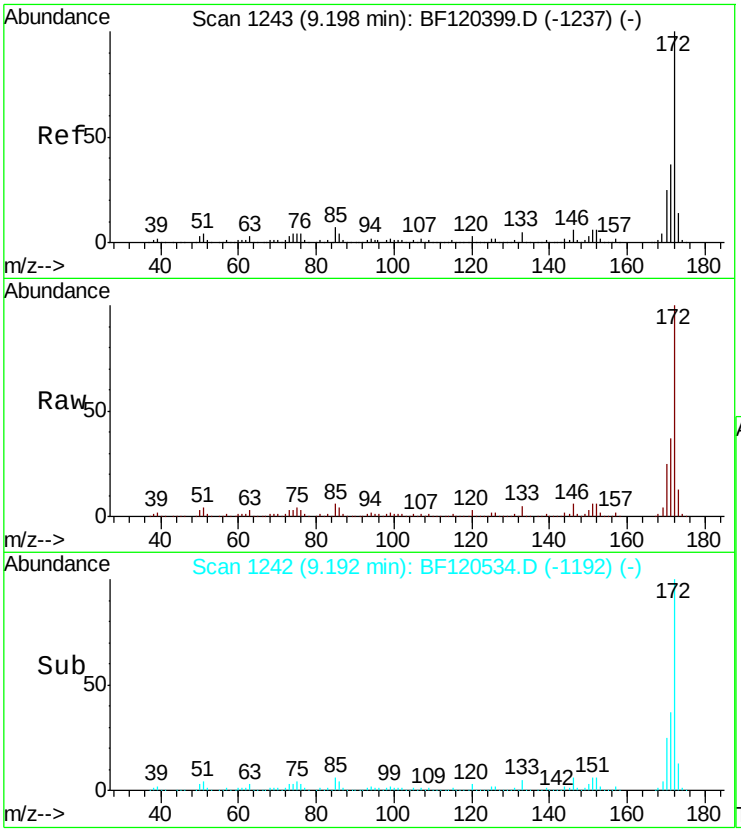




#42
2,4,6-Tribromophenol
Concen: 167.996 ng
RT: 10.66 min Scan# 1492
Delta R.T. -0.01 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

Tgt Ion:330 Resp: 517654

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.7 | 77.4 | 116.2 |
| 141 | 29.0 | 23.5 | 35.3 |



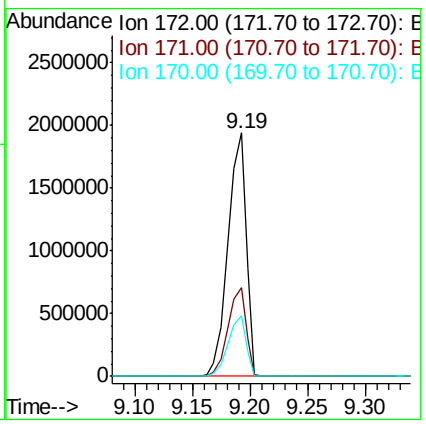


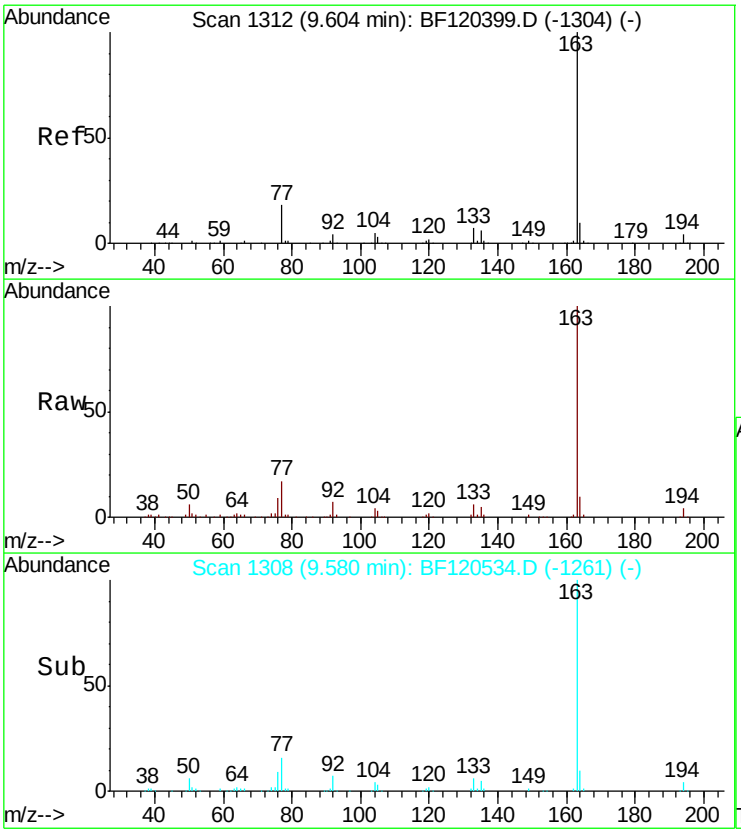

#45
2-Fluorobiphenyl
Concen: 108.491 ng
RT: 9.19 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

**Instrument :**
BNA_F
**ClientSampleId :**
NMDUP06-2020-0-6

Tgt Ion:172 Resp: 2126500

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.5 | 29.2 | 43.8 |
| 170 | 25.0 | 20.1 | 30.1 |

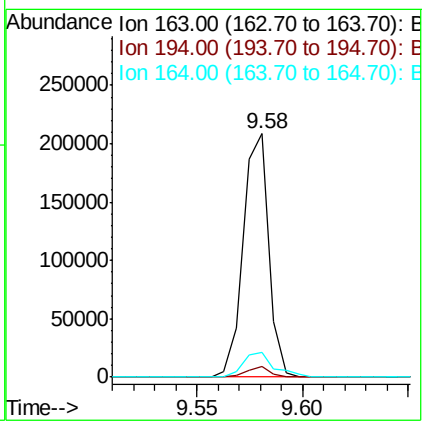


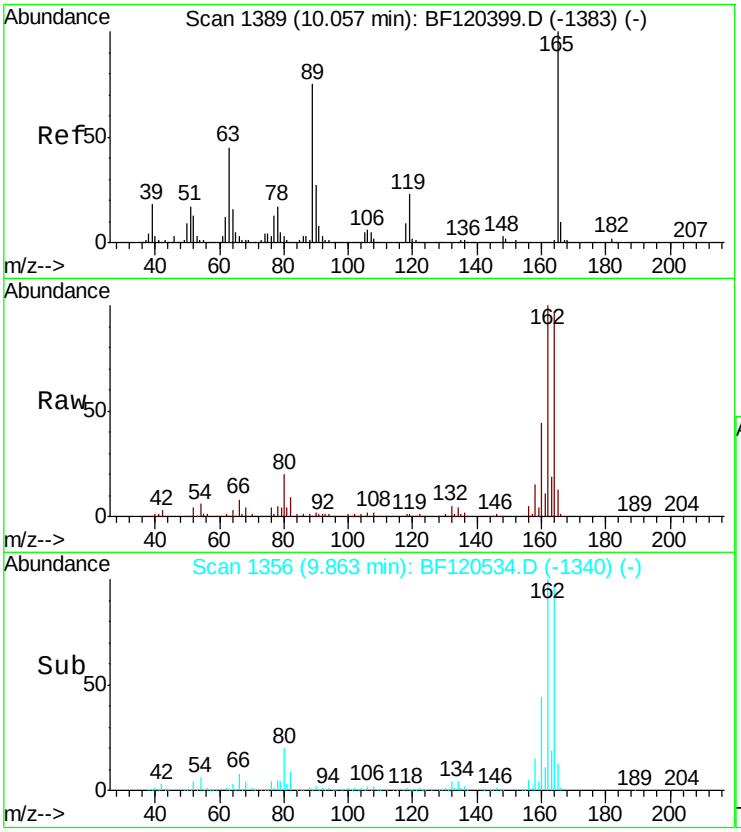




#50
Dimethylphthalate
Concen: 8.400 ng
RT: 9.58 min Scan# 1308
Delta R.T. -0.02 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

Tgt Ion:163 Resp: 174638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.4 | 3.1 | 4.7 |
| 164 | 10.3 | 8.2 | 12.4 |



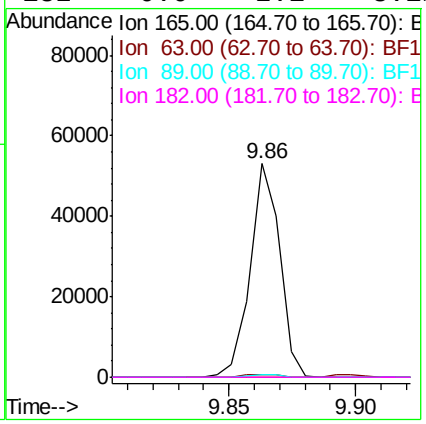


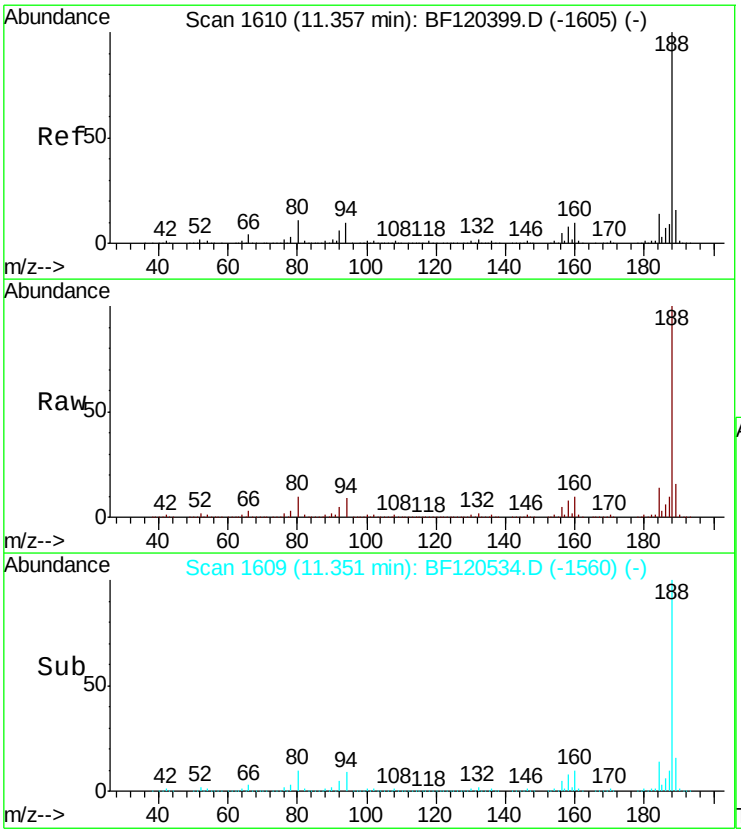

#57
2,4-Dinitrotoluene
Concen: 7.299 ng
RT: 9.86 min Scan# 1356
Delta R.T. -0.21 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

**Instrument :**
BNA_F
**ClientSampleId :**
NMDUP06-2020-0-6

Tgt Ion:165 Resp: 43164

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.1 | 33.4 | 50.0# |
| 89 | 1.2 | 54.7 | 82.1# |
| 182 | 0.0 | 2.1 | 3.1# |

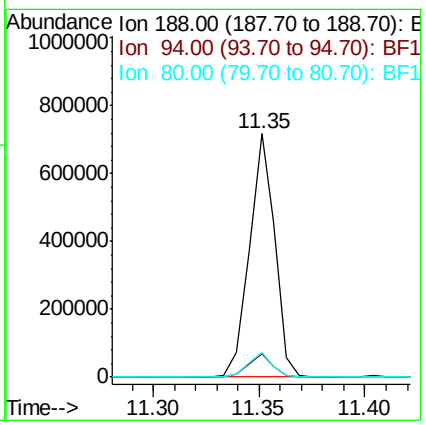


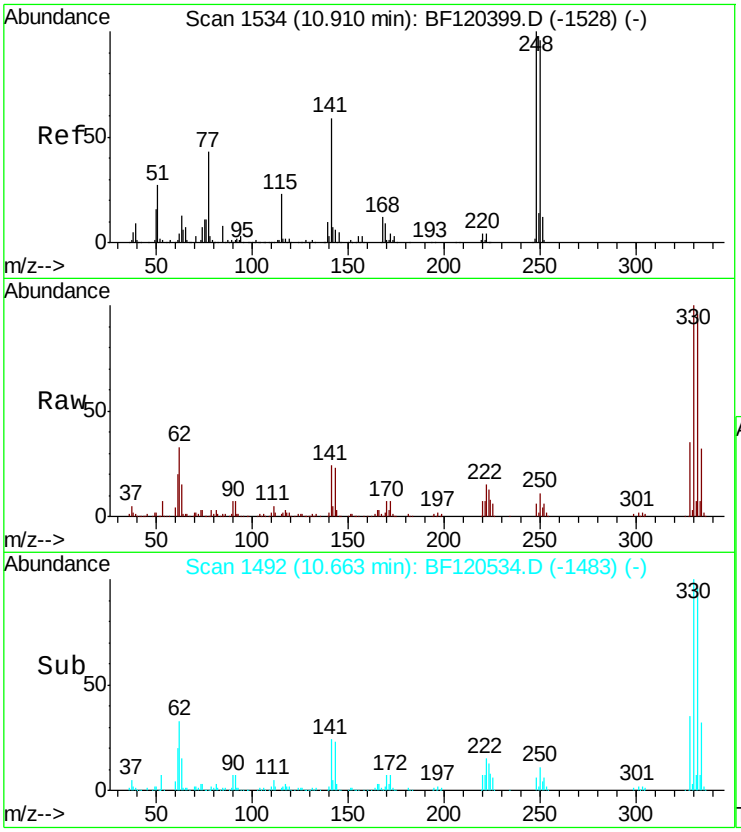




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

Tgt Ion:188 Resp: 598015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.5 | 7.5 | 11.3 |
| 80 | 10.0 | 7.9 | 11.9 |



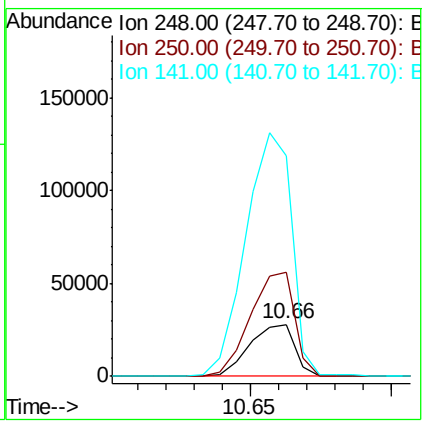


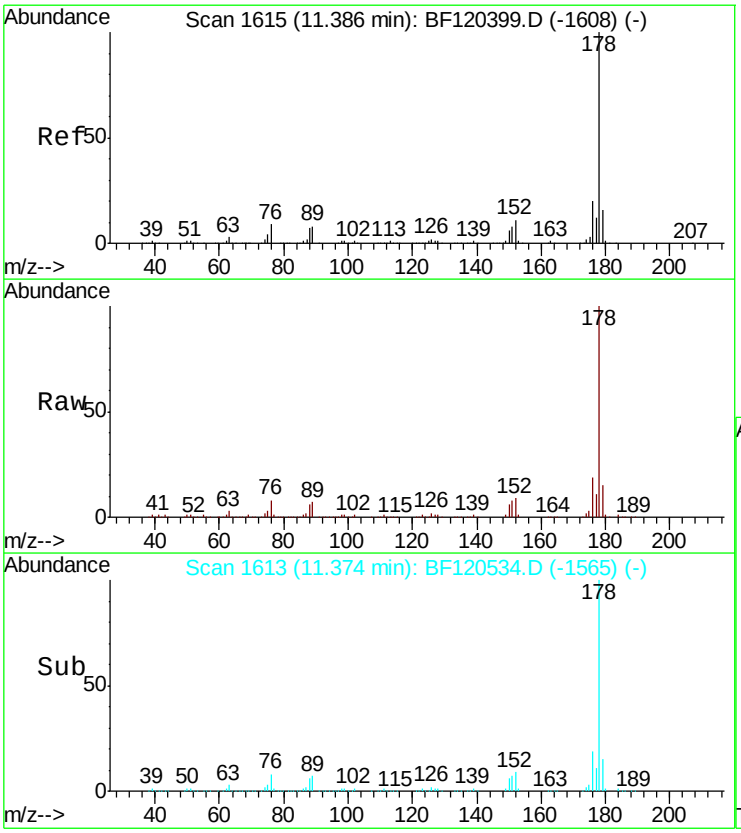

#67
4-Bromophenyl-phenylether
Concen: 5.094 ng
RT: 10.66 min Scan# 1492
Delta R.T. -0.25 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

**Instrument :**
BNA_F
**ClientSampleId :**
NMDUP06-2020-0-6

Tgt Ion:248 Resp: 30748

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 200.6 | 78.0 | 117.0# |
| 141 | 426.7 | 50.3 | 75.5# |

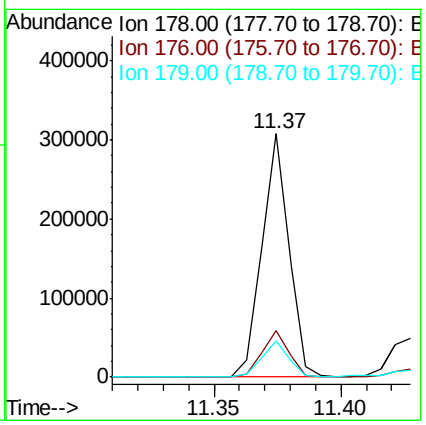


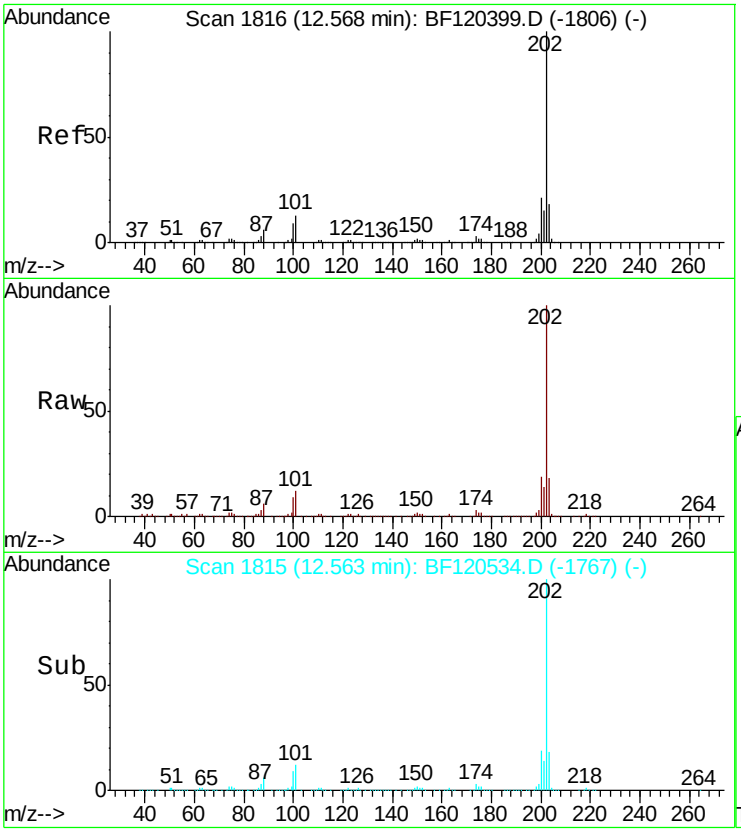




#71
Phenanthrene
Concen: 8.722 ng
RT: 11.37 min Scan# 1613
Delta R.T. -0.02 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

Tgt Ion:178 Resp: 229834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.9 | 16.6 | 24.8 |
| 179 | 15.1 | 13.0 | 19.4 |



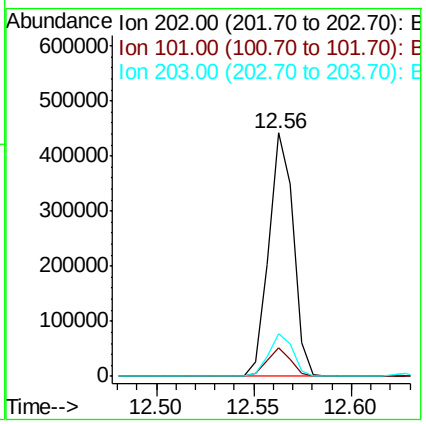


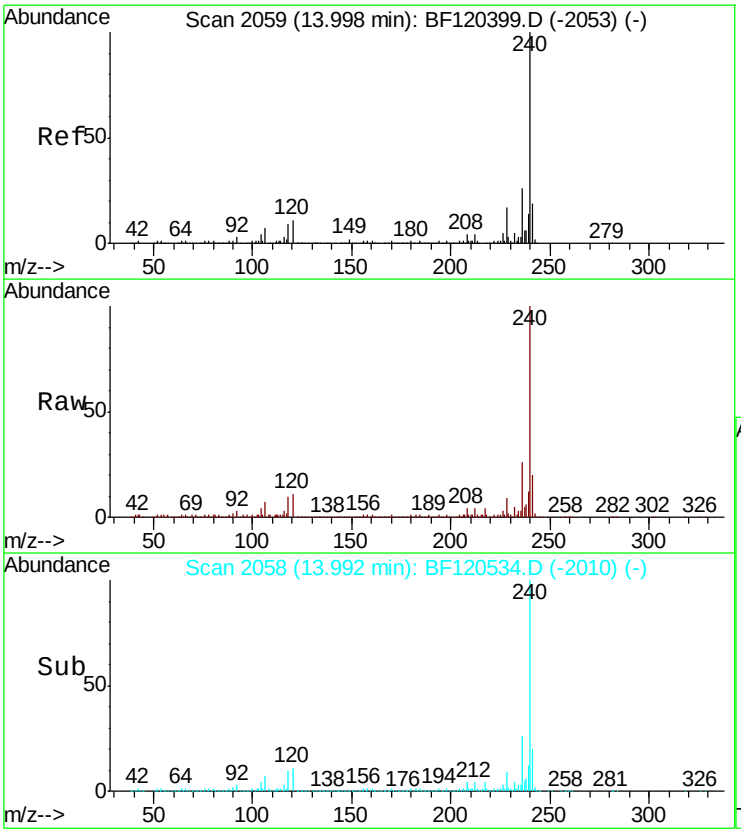

#75
Fluoranthene
Concen: 13.566 ng
RT: 12.56 min Scan# 1815
Delta R.T. -0.02 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

**Instrument :**
BNA_F
**ClientSampleId :**
NMDUP06-2020-0-6

Tgt Ion:202 Resp: 384640

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.6 | 0.0 | 30.4 |
| 203 | 17.6 | 0.0 | 38.2 |

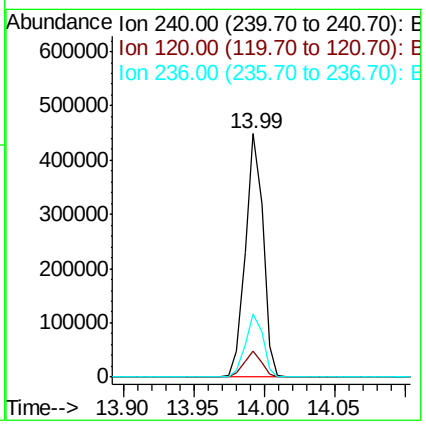


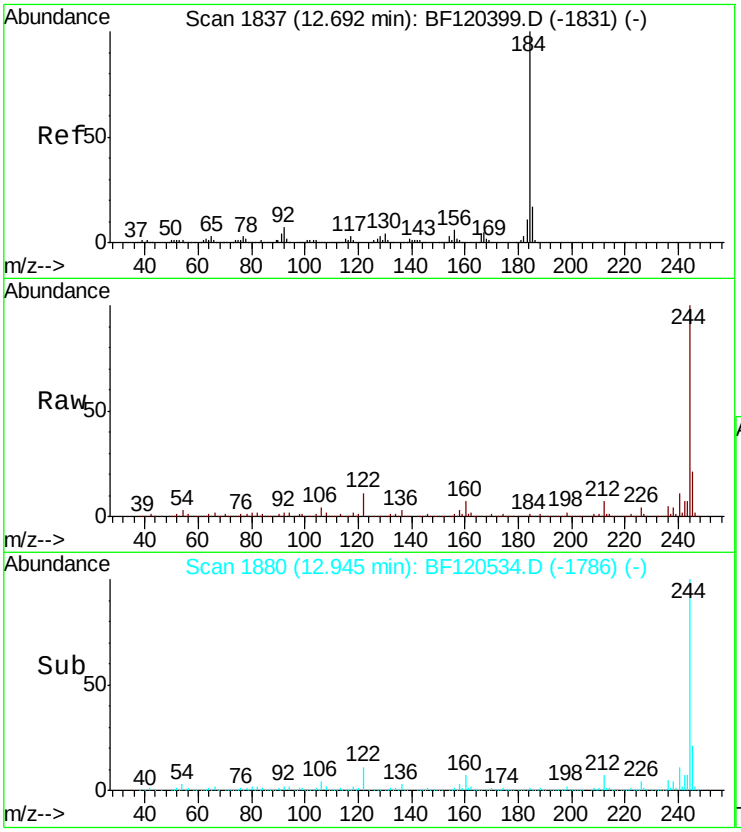




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.02 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

Tgt Ion:240 Resp: 393453

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 10.7 | 7.9 | 11.9 |
| 236 | 25.9 | 21.1 | 31.7 |



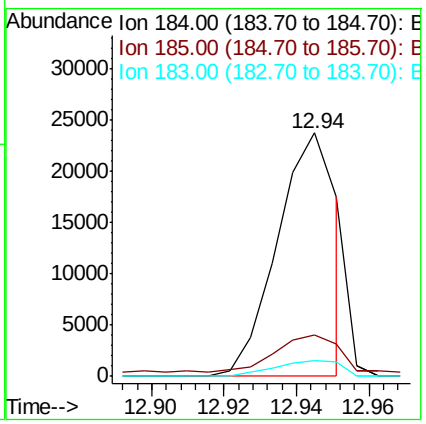


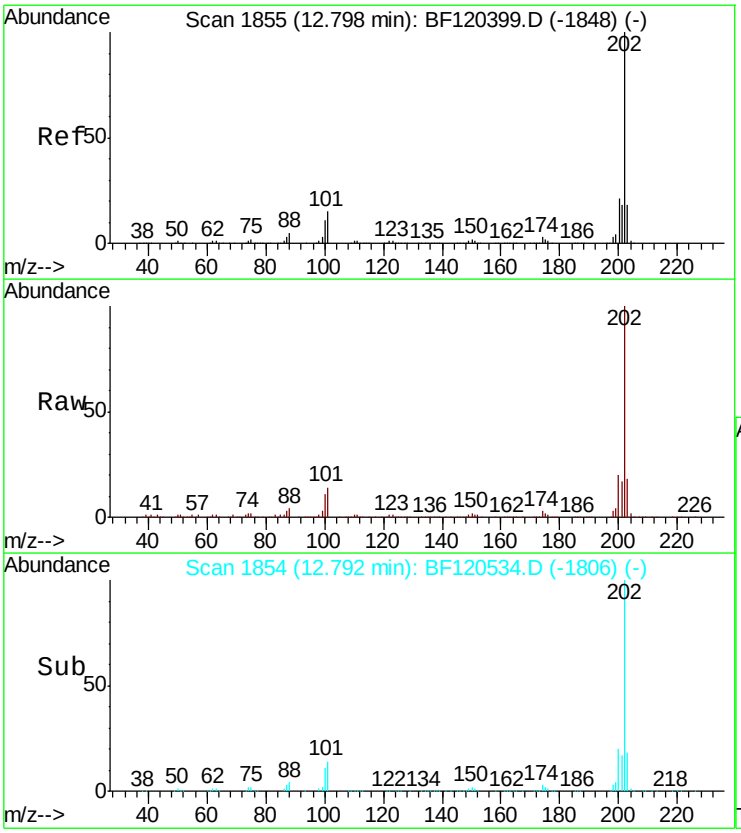

#77
Benzidine
Concen: 2.611 ng
RT: 12.94 min Scan# 1880
Delta R.T. 0.25 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

**Instrument :**
BNA_F
**ClientSampleId :**
NMDUP06-2020-0-6

Tgt Ion:184 Resp: 26989

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 16.8 | 13.2 | 19.8 |
| 183 | 6.3 | 9.1 | 13.7# |

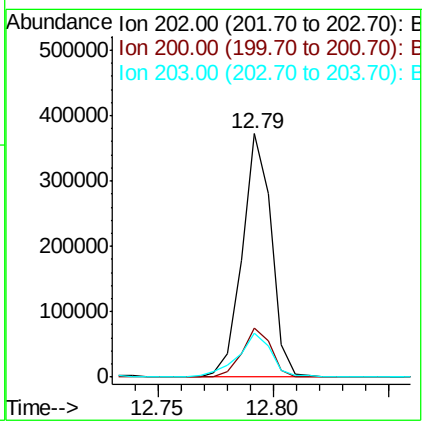


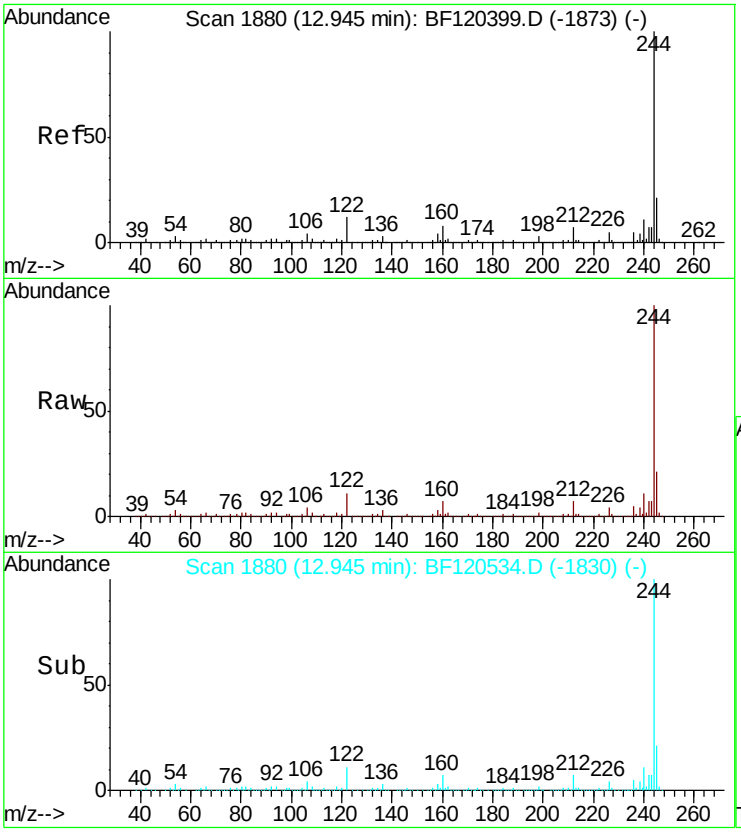




#78
Pyrene
Concen: 11.999 ng
RT: 12.79 min Scan# 1854
Delta R.T. -0.02 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

Tgt Ion:202 Resp: 328317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 20.4 | 17.3 | 25.9 |
| 203 | 18.3 | 14.5 | 21.7 |



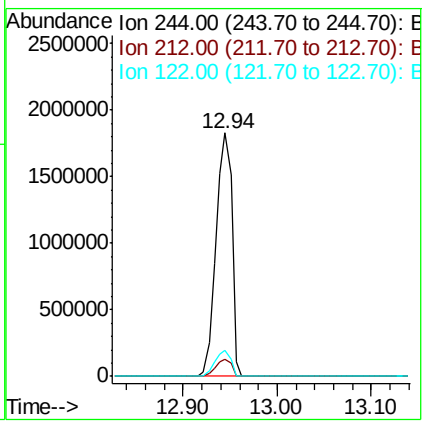


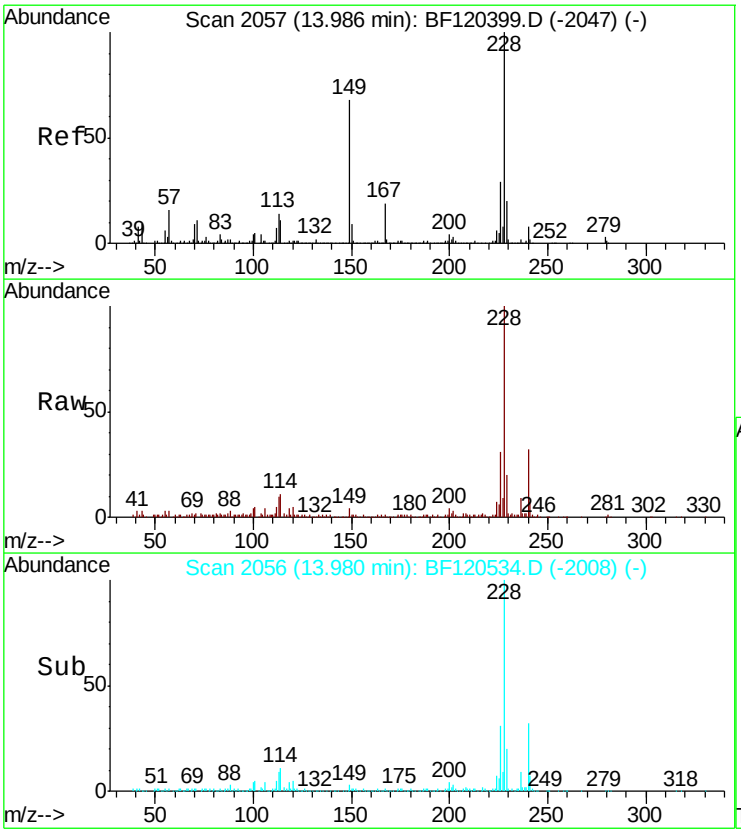

#79
Terphenyl-d14
Concen: 122.383 ng
RT: 12.94 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

**Instrument :**
BNA_F
**ClientSampleId :**
NMDUP06-2020-0-6

Tgt Ion:244 Resp: 2163894

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.8 | 8.8 |
| 122 | 10.8 | 8.2 | 12.4 |

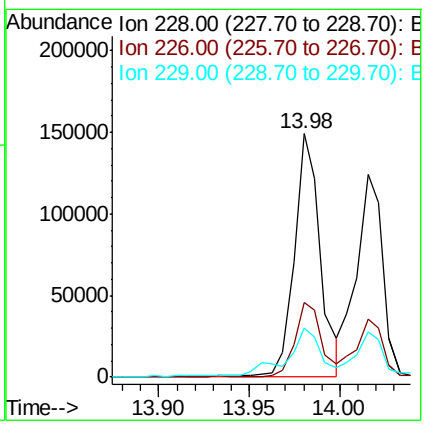


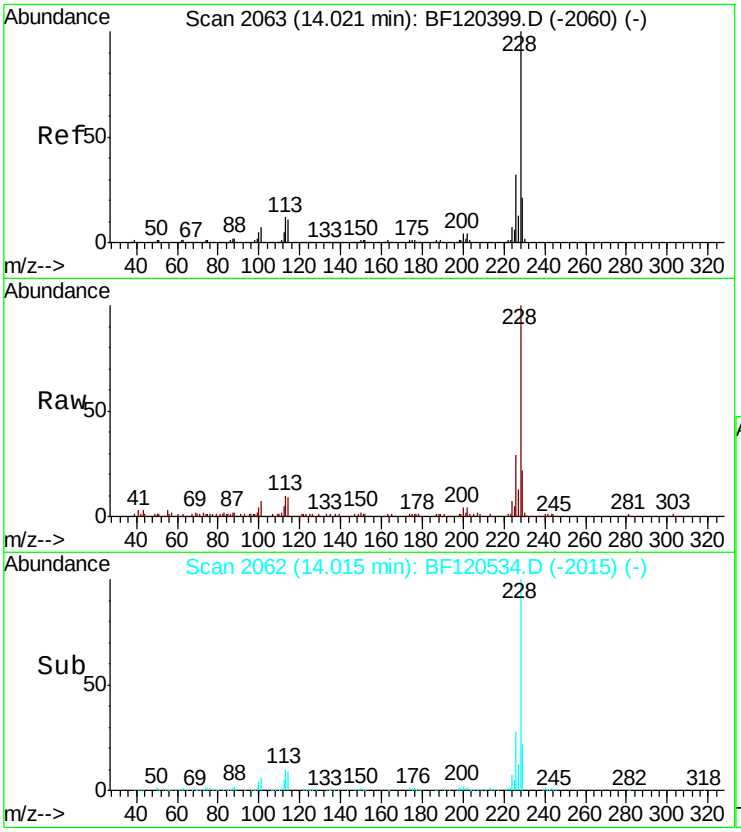




#81
Benzo(a)anthracene
Concen: 7.181 ng
RT: 13.98 min Scan# 2056
Delta R.T. -0.02 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

Tgt Ion:228 Resp: 151430

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.8 | 22.7 | 34.1 |
| 229 | 20.0 | 16.3 | 24.5 |



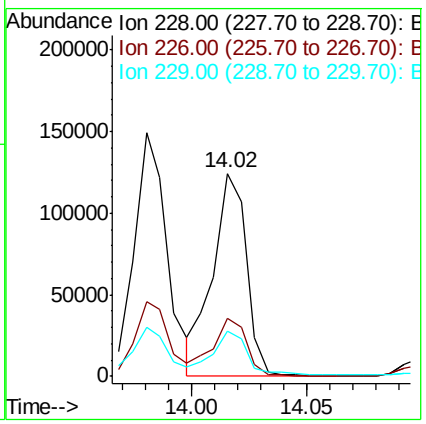


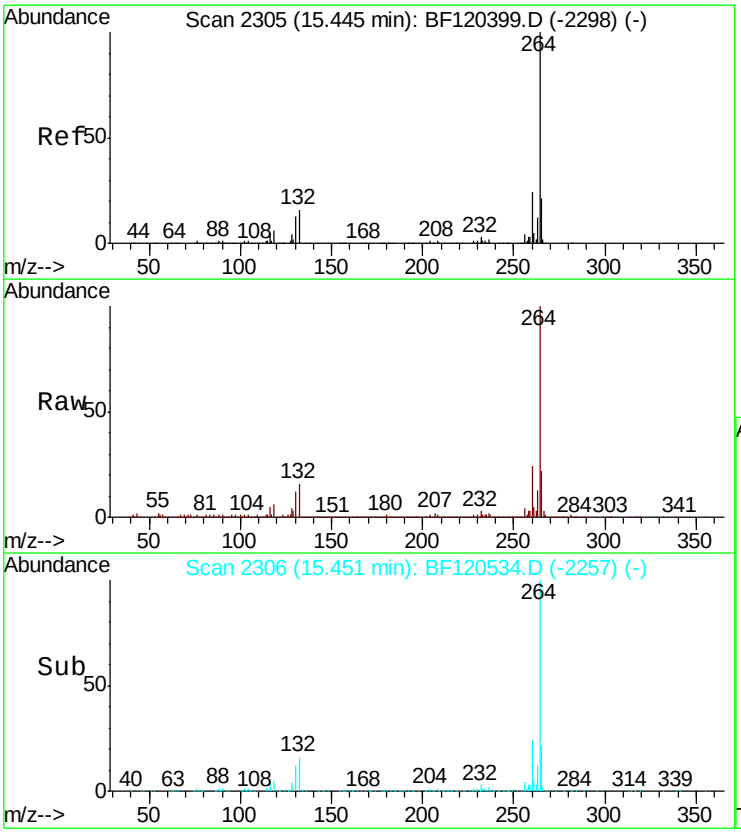

#83
Chrysene
Concen: 5.725 ng
RT: 14.02 min Scan# 2062
Delta R.T. -0.02 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

**Instrument :**
BNA_F
**ClientSampleId :**
NMDUP06-2020-0-6

Tgt Ion:228 Resp: 126556

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 28.6 | 25.2 | 37.8 |
| 229 | 22.4 | 16.1 | 24.1 |

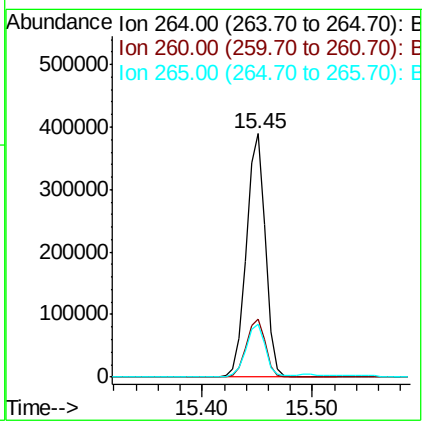


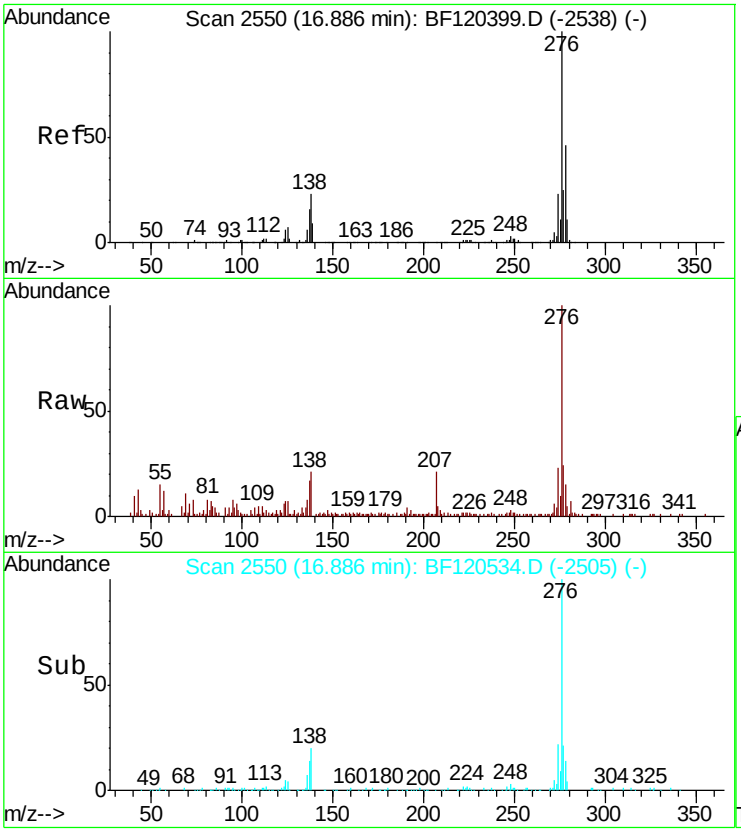




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2306
Delta R.T. -0.01 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

Tgt Ion:264 Resp: 468743

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 19.8 | 29.8 |
| 265 | 21.7 | 17.5 | 26.3 |



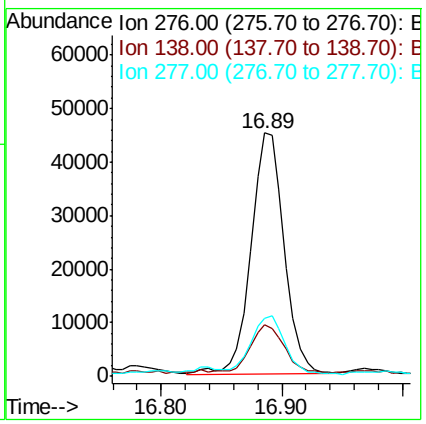


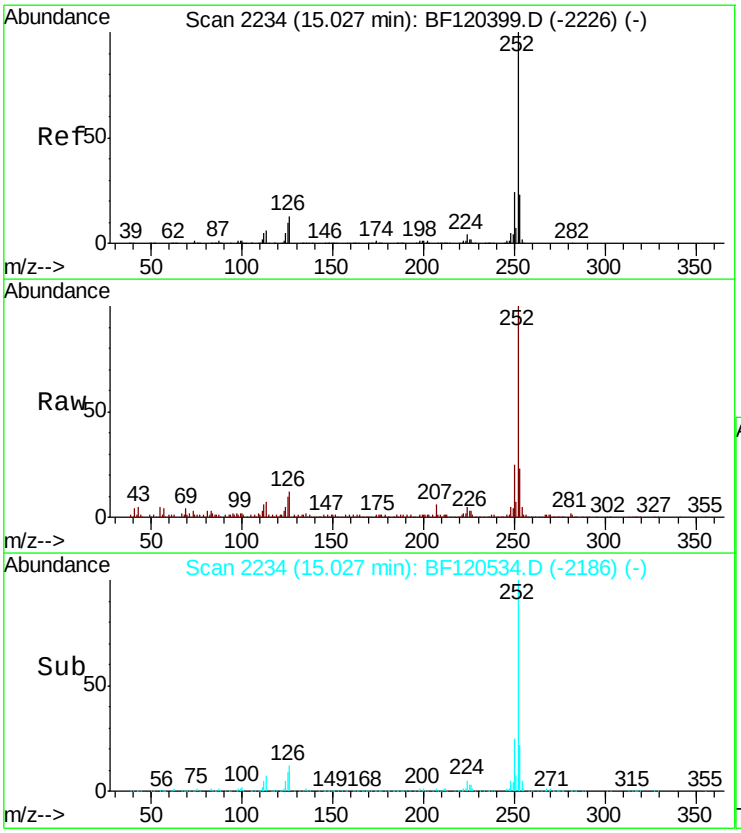

#87
Indeno(1,2,3-cd)pyrene
Concen: 3.358 ng
RT: 16.89 min Scan# 2550
Delta R.T. -0.04 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

**Instrument :**
BNA_F
**ClientSampleId :**
NMDUP06-2020-0-6

Tgt Ion:276 Resp: 86095

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 20.4 | 19.2 | 28.8 |
| 277 | 24.2 | 20.4 | 30.6 |

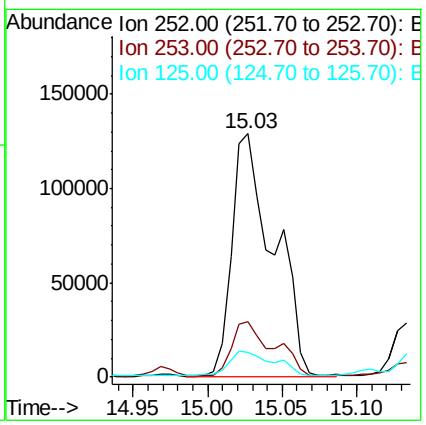


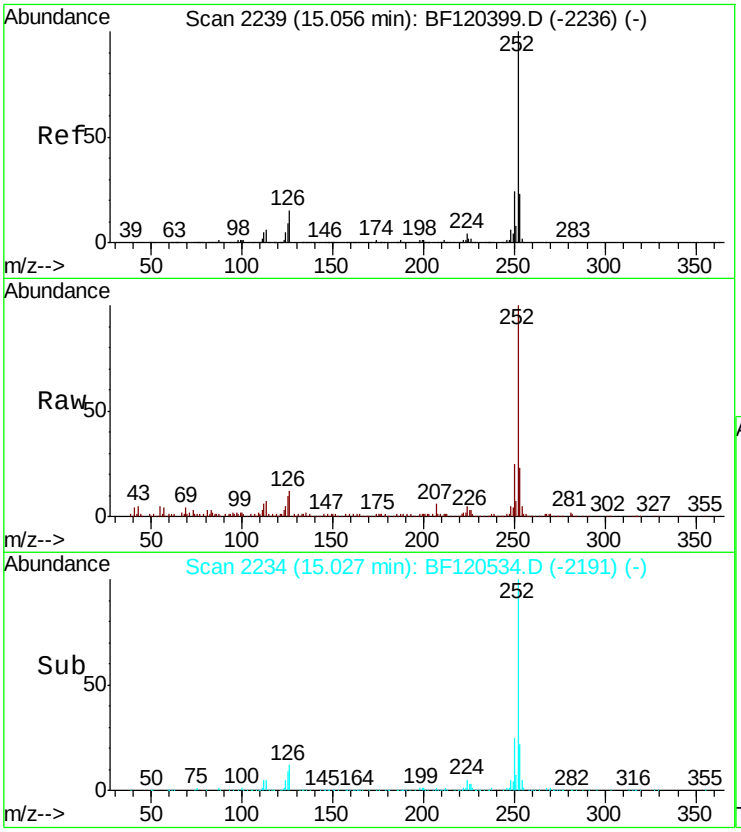




#88
Benzo(b)fluoranthene
Concen: 9.623 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

Tgt Ion:252 Resp: 250542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 18.2 | 27.2 |
| 125 | 10.2 | 7.6 | 11.4 |



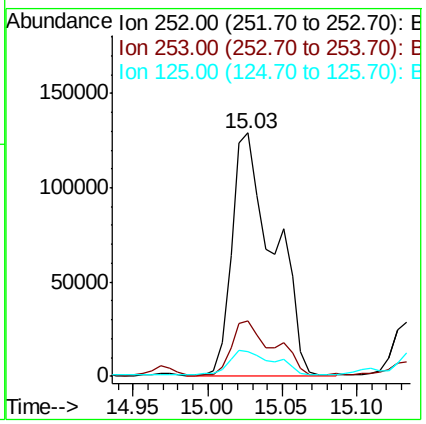


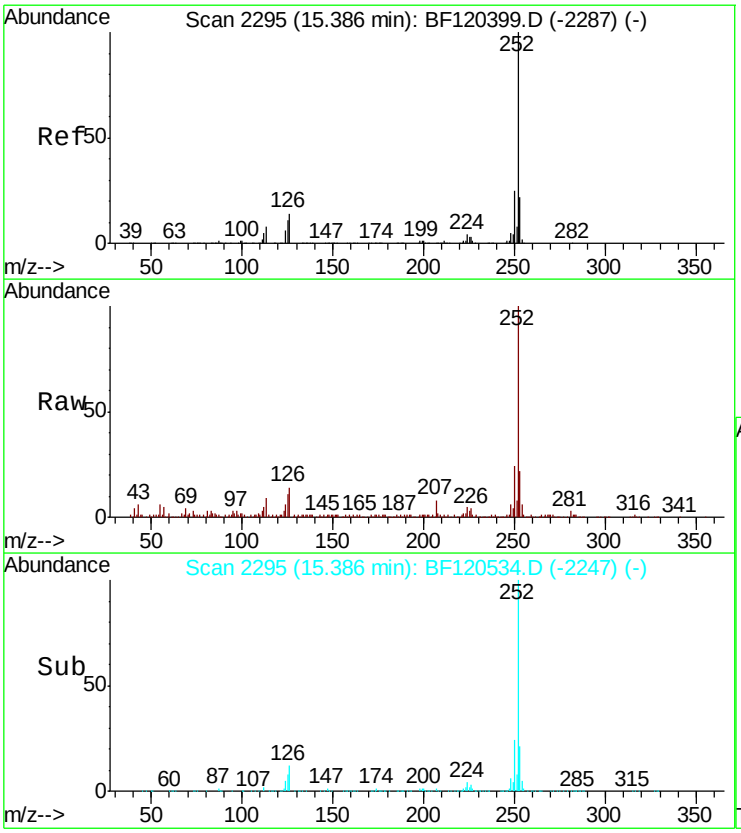

#89
Benzo(k)fluoranthene
Concen: 10.308 ng
RT: 15.03 min Scan# 2234
Delta R.T. -0.05 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

**Instrument :**
BNA_F
**ClientSampleId :**
NMDUP06-2020-0-6

Tgt Ion:252 Resp: 250542

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.6 | 26.4 |
| 125 | 10.2 | 7.5 | 11.3 |

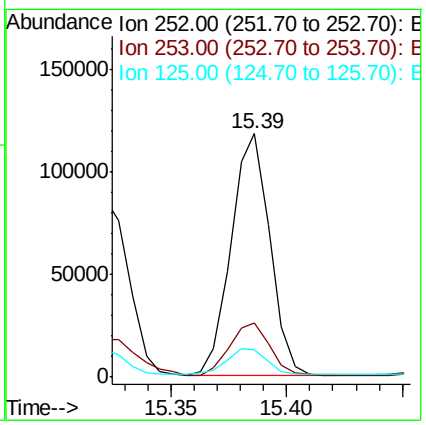


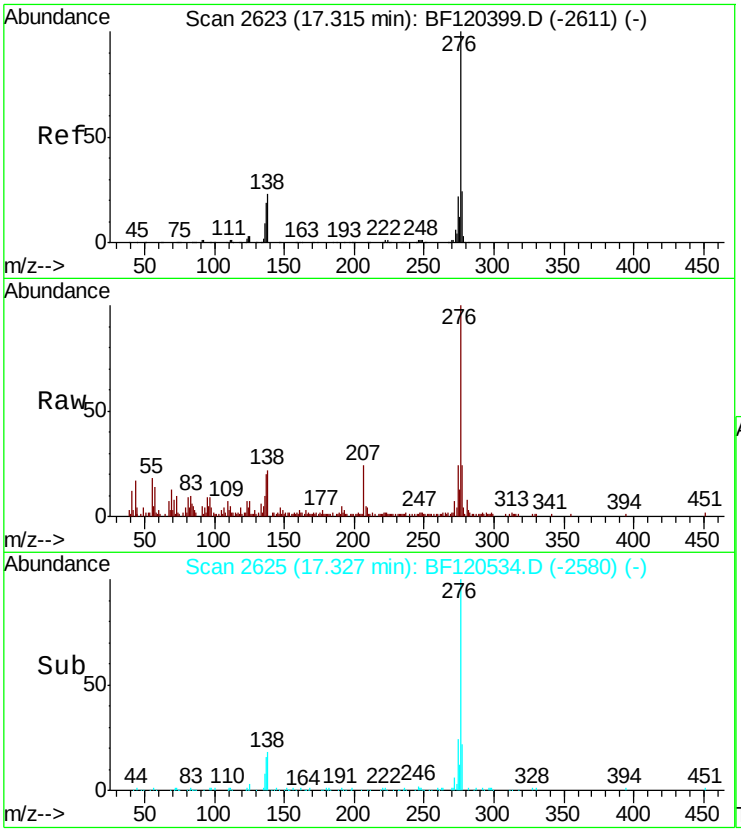




#90
Benzo(a)pyrene
Concen: 6.075 ng
RT: 15.39 min Scan# 2295
Delta R.T. -0.02 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

Tgt Ion:252 Resp: 138351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.1 | 18.0 | 27.0 |
| 125 | 11.1 | 9.2 | 13.8 |






#92
Benzo(g,h,i)perylene
Concen: 3.810 ng
RT: 17.33 min Scan# 2625
Delta R.T. -0.04 min
Lab File: BF120534.D
Acq: 4 Jun 2020 15:33

**Instrument :**
BNA_F
**ClientSampleId :**
NMDUP06-2020-0-6

Tgt Ion:276 Resp: 78546

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 23.8 | 19.4 | 29.2 |
| 138 | 21.9 | 16.6 | 25.0 |