Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090820\
Data File : BF121525.D
Acq On : 8 Sep 2020 16:44
Operator : JU/CG
Sample : PB131478TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PB131478TB

Quant Time: Sep 08 19:01:13 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 02 17:52:18 2020
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.84 | 152 | 329462 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.12 | 136 | 1256358 | 20.00 | ng | -0.01 |
| 39) Acenaphthene-d10 | 9.87 | 164 | 657187 | 20.00 | ng | -0.01 |
| 64) Phenanthrene-d10 | 11.36 | 188 | 1265470 | 20.00 | ng | 0.00 |
| 76) Chrysene-d12 | 14.00 | 240 | 1100909 | 20.00 | ng | -0.02 |
| 86) Perylene-d12 | 15.46 | 264 | 1077204 | 20.00 | ng | -0.02 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 2136342 | 108.79 | ng | 0.00 |
| 7) Phenol-d6 | 6.47 | 99 | 2770592 | 100.96 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 1801707 | 98.04 | ng | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.66 | 330 | 890935 | 134.22 | ng | -0.01 |
| 45) 2-Fluorobiphenyl | 9.20 | 172 | 3197058 | 78.49 | ng | -0.01 |
| 79) Terphenyl-d14 | 12.95 | 244 | 3405842 | 65.12 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 9) Benzaldehyde | 6.47 | 77 | 4189 | Below Cal | # | 1 |
| 19) n-Nitroso-di-n-propylamine | 7.40 | 70 | 237029 | 15.456 | ng | # 78 |
| 25) Isophorone | 7.40 | 82 | 1785877 | 43.206 | ng | # 63 |
| 48) 2-Nitroaniline | 9.20 | 65 | 5074 | 7.030 | ng | # 1 |
| 51) 2,6-Dinitrotoluene | 9.87 | 165 | 86074 | 15.232 | ng | # 22 |
| 57) 2,4-Dinitrotoluene | 9.87 | 165 | 86074 | 14.287 | ng | # 25 |
| 65) 4,6-Dinitro-2-methylphenol | 10.66 | 198 | 1772 | 6.235 | ng | # 1 |
| 67) 4-Bromophenyl-phenylether | 10.66 | 248 | 51066 | 3.668 | ng | # 1 |
| 77) Benzidine | 12.95 | 184 | 48135 | 2.005 | ng | # 92 |

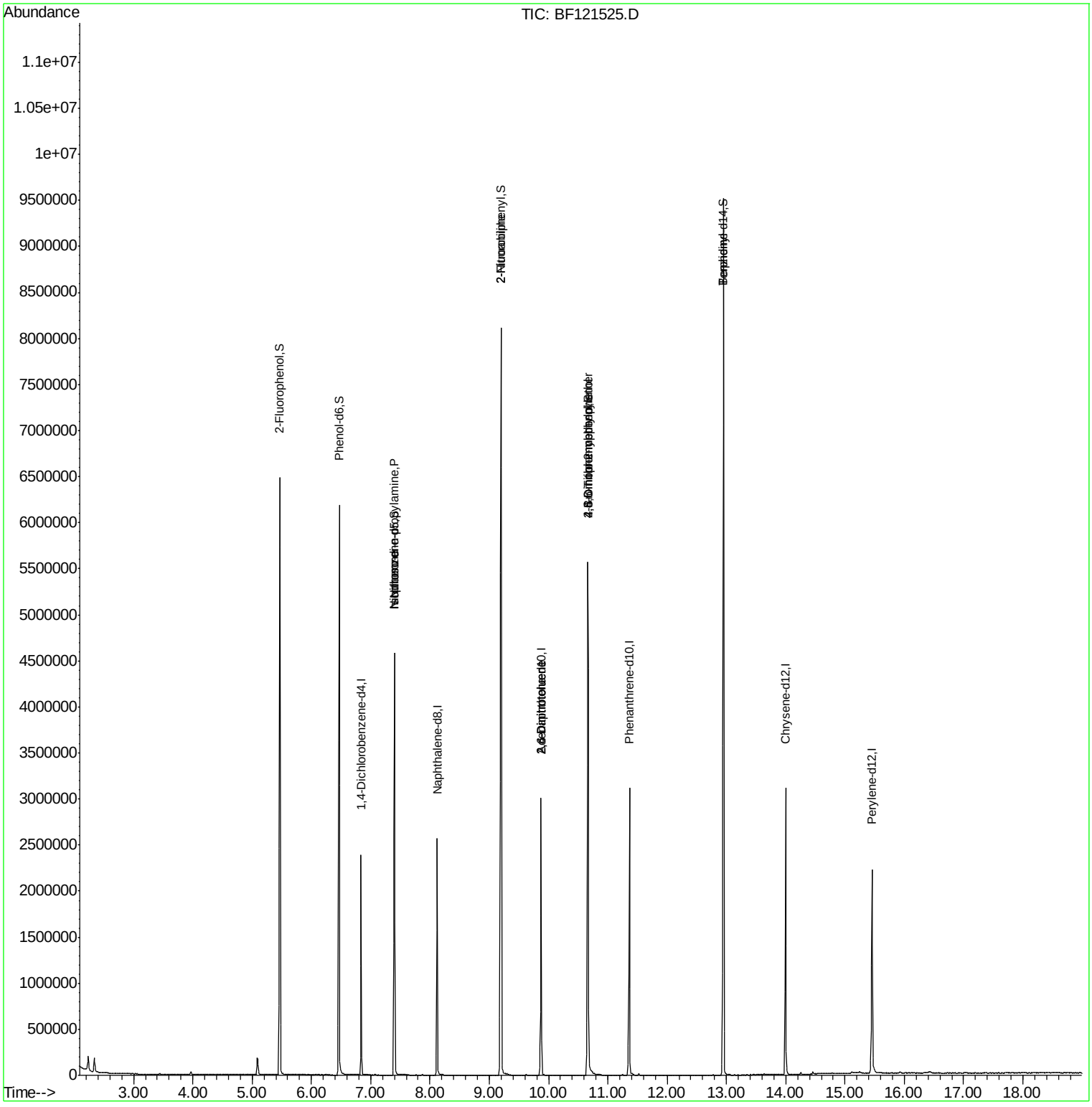
(#) = qualifier out of range (m) = manual integration (+) = signals summed

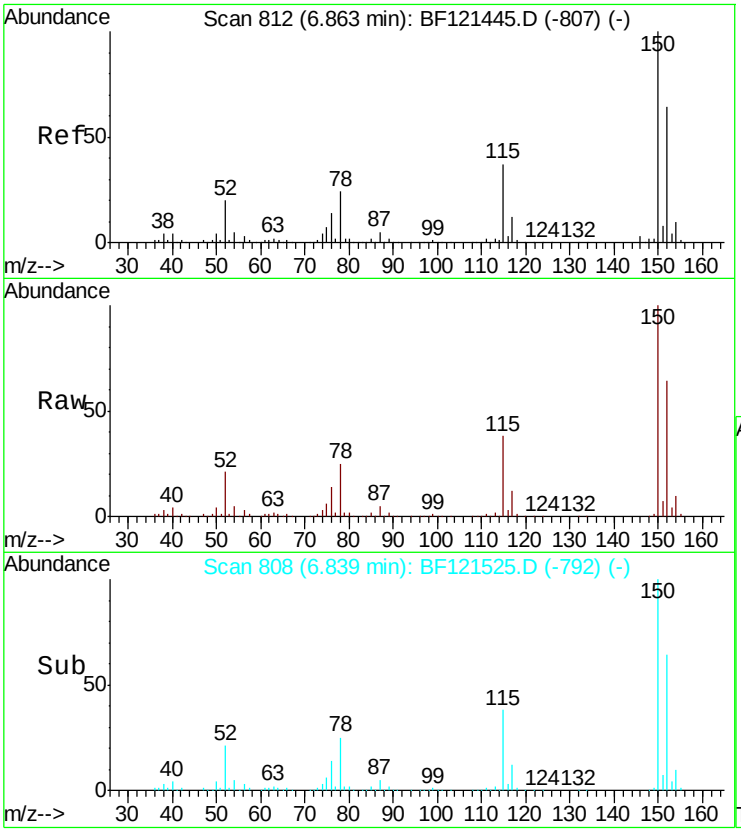
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090820\
Data File : BF121525.D
Acq On : 8 Sep 2020 16:44
Operator : JU/CG
Sample : PB131478TB
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PB131478TB

Quant Time: Sep 08 19:01:13 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 02 17:52:18 2020
Response via : Initial Calibration



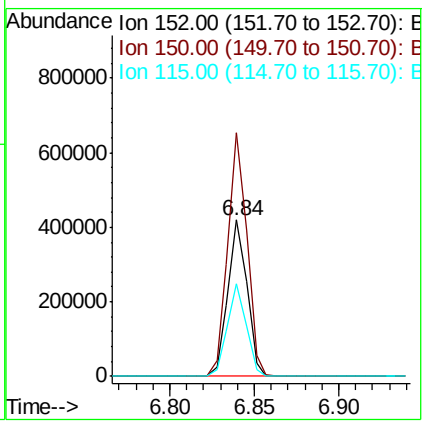


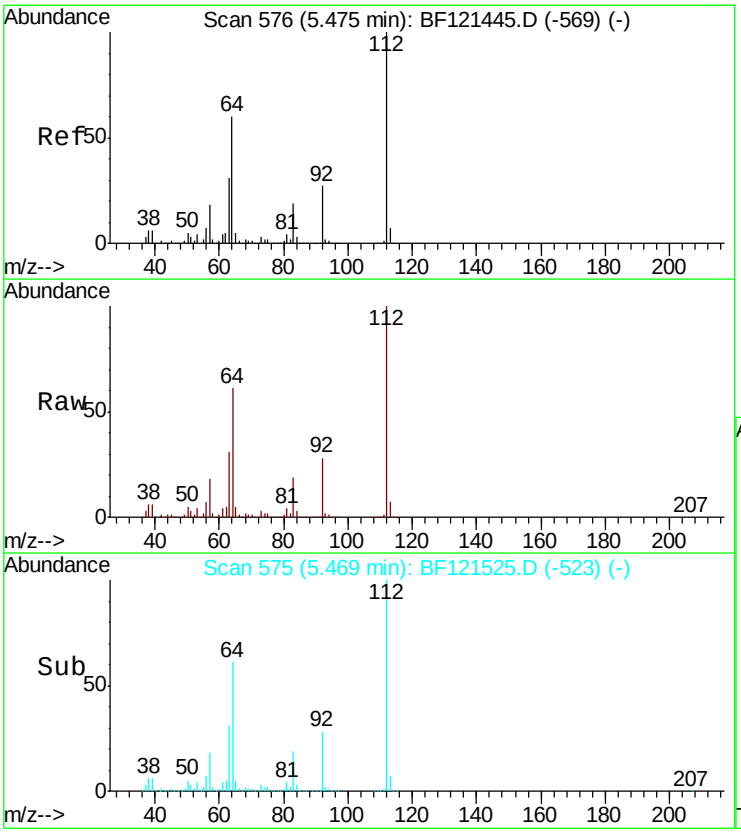

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

**Instrument :**
BNA_F
**ClientSampleId :**
PB131478TB

Tgt Ion:152 Resp: 329462

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.0 | 126.1 | 189.1 |
| 115 | 59.0 | 48.4 | 72.6 |

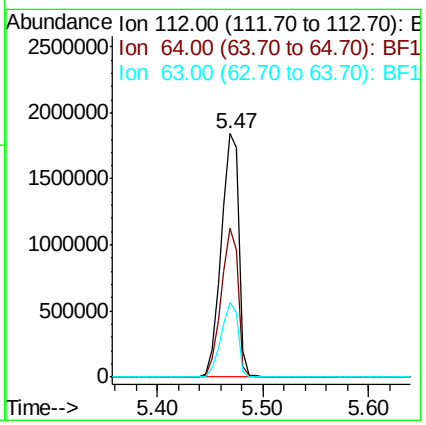


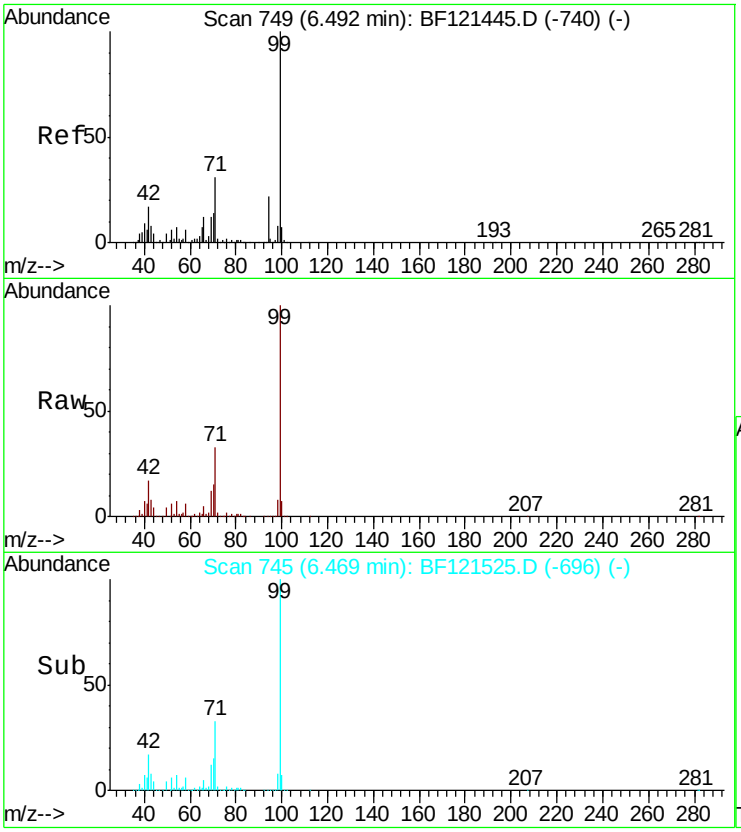




#5
2-Fluorophenol
Concen: 108.791 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

Tgt Ion:112 Resp: 2136342

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.0 | 46.0 | 69.0 |
| 63 | 30.7 | 23.4 | 35.2 |



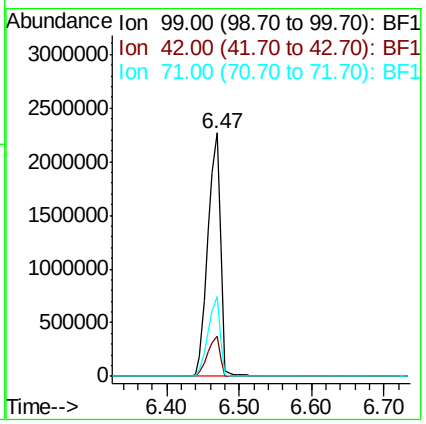


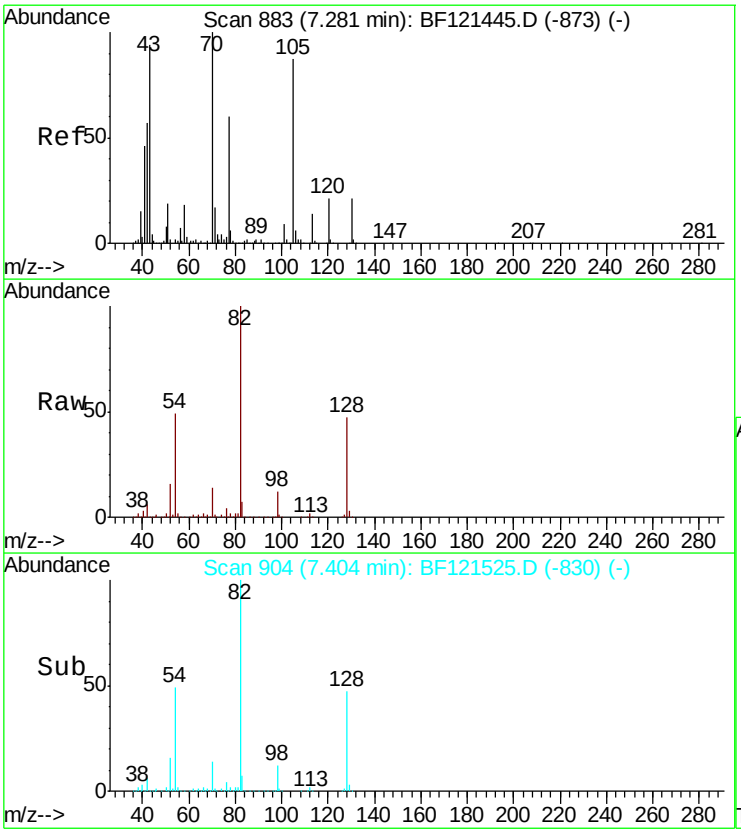

#7
Phenol-d6
Concen: 100.960 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

**Instrument :**
BNA_F
**ClientSampleId :**
PB131478TB

Tgt Ion: 99 Resp: 2770592

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 16.5 | 13.0 | 19.4 |
| 71 | 32.6 | 24.8 | 37.2 |

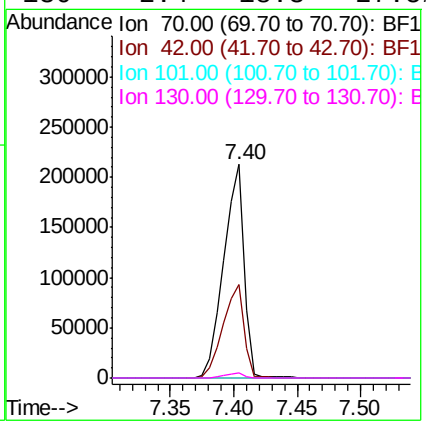


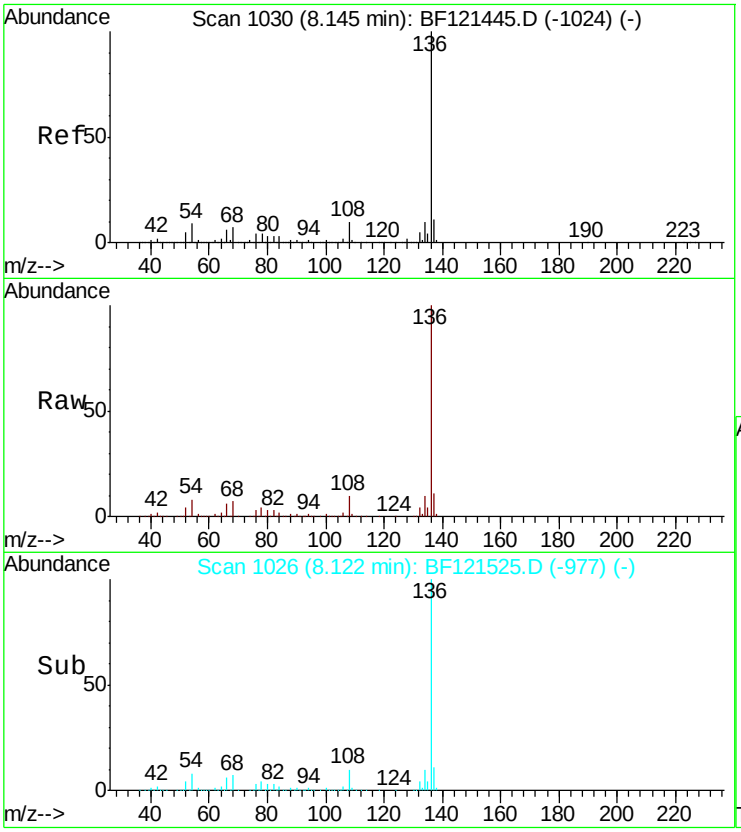




#19
n-Nitroso-di-n-propylamine
Concen: 15.456 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

Tgt Ion: 70 Resp: 237029

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 43.6 | 42.0 | 63.0 |
| 101 | 0.0 | 8.1 | 12.1# |
| 130 | 2.4 | 18.3 | 27.5# |



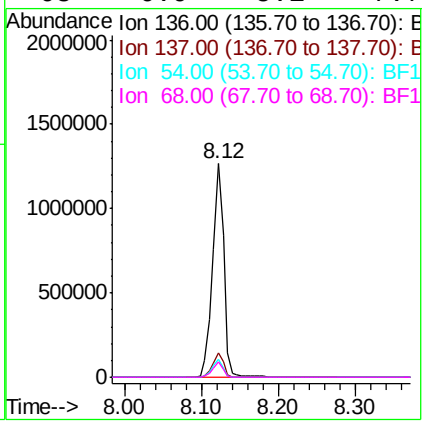


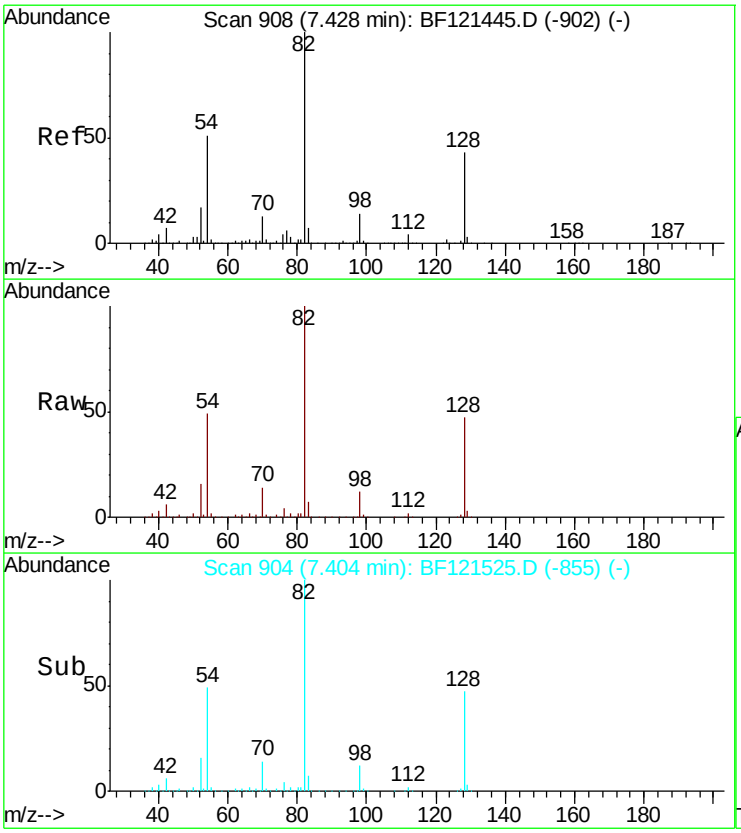

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

**Instrument :**
BNA_F
**ClientSampleId :**
PB131478TB

Tgt Ion:136 Resp: 1256358

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.3 | 8.9 | 13.3 |
| 54 | 8.4 | 6.2 | 9.4 |
| 68 | 6.9 | 5.1 | 7.7 |

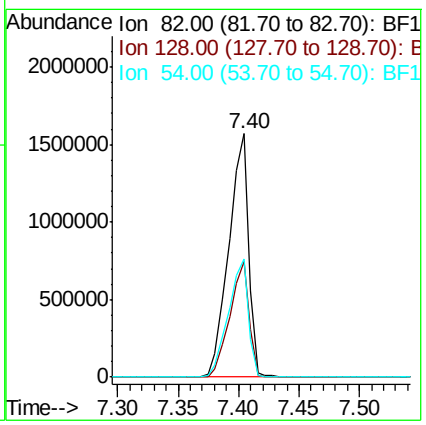


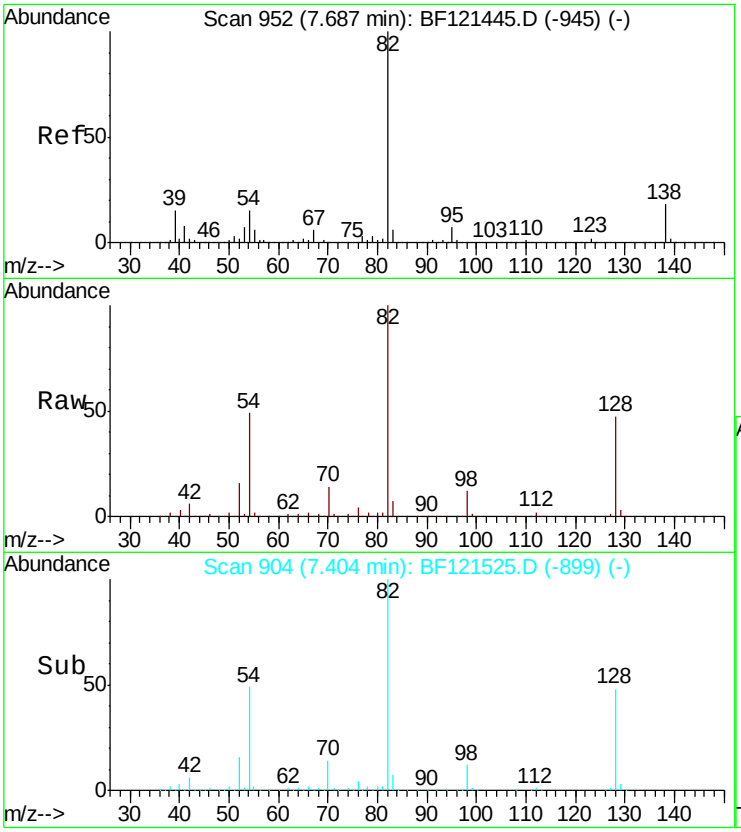




#23
Nitrobenzene-d5
Concen: 98.041 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

Tgt Ion: 82 Resp: 1801707

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 47.4 | 37.3 | 55.9 |
| 54 | 48.7 | 39.0 | 58.6 |



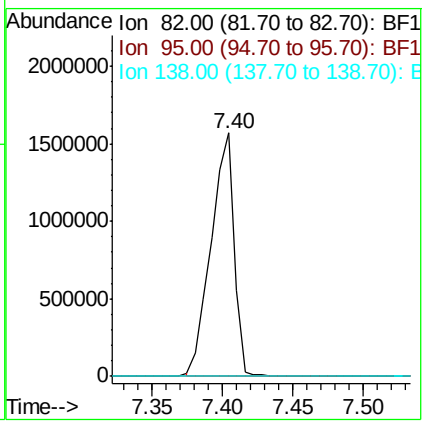


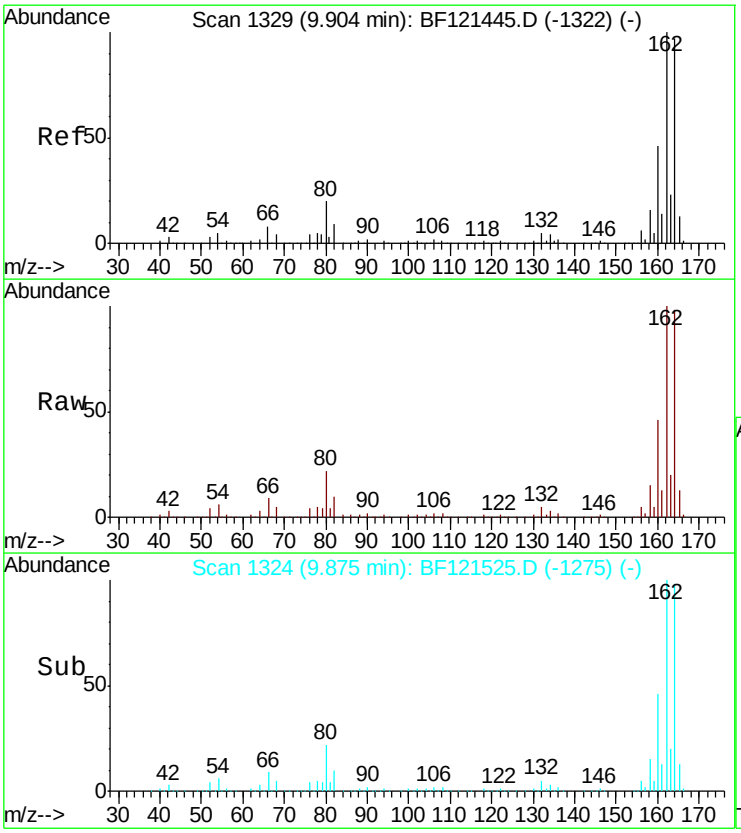

#25
Isophorone
Concen: 43.206 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.27 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

**Instrument :**
BNA_F
**ClientSampleId :**
PB131478TB

Tgt Ion: 82 Resp: 1785877

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.7 | 8.5# |
| 138 | 0.0 | 15.6 | 23.4# |

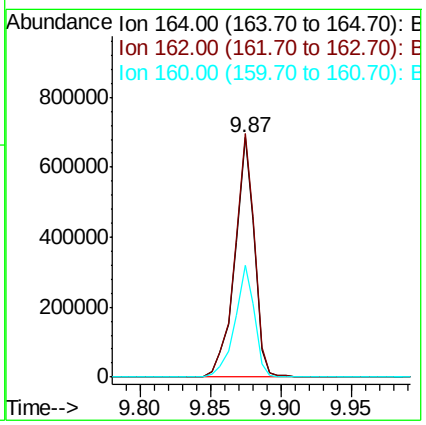


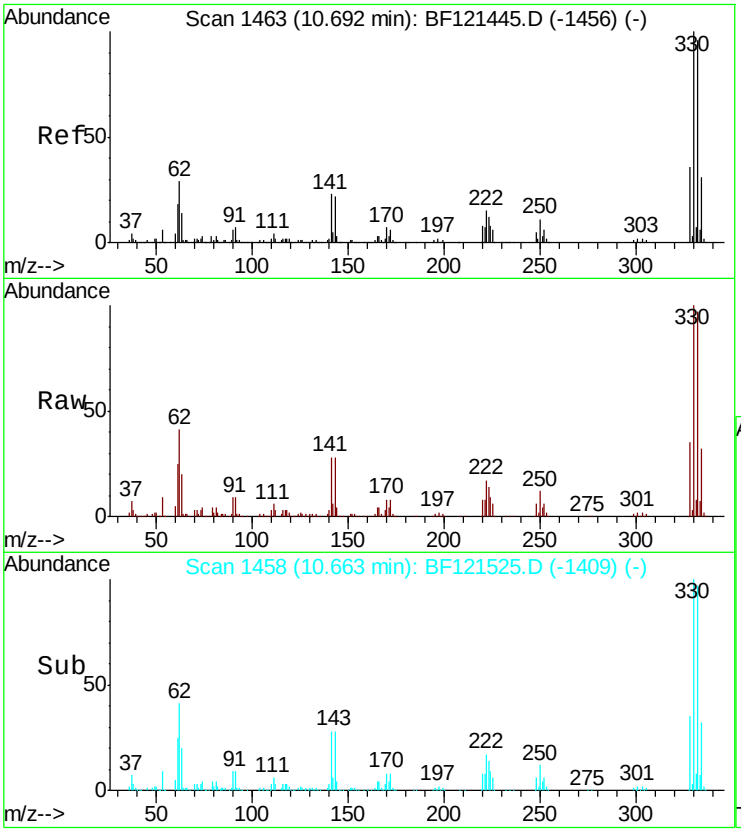




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

Tgt Ion:164 Resp: 657187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.8 | 80.5 | 120.7 |
| 160 | 46.6 | 36.2 | 54.4 |



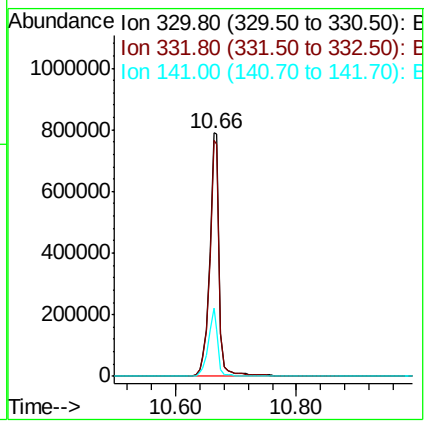


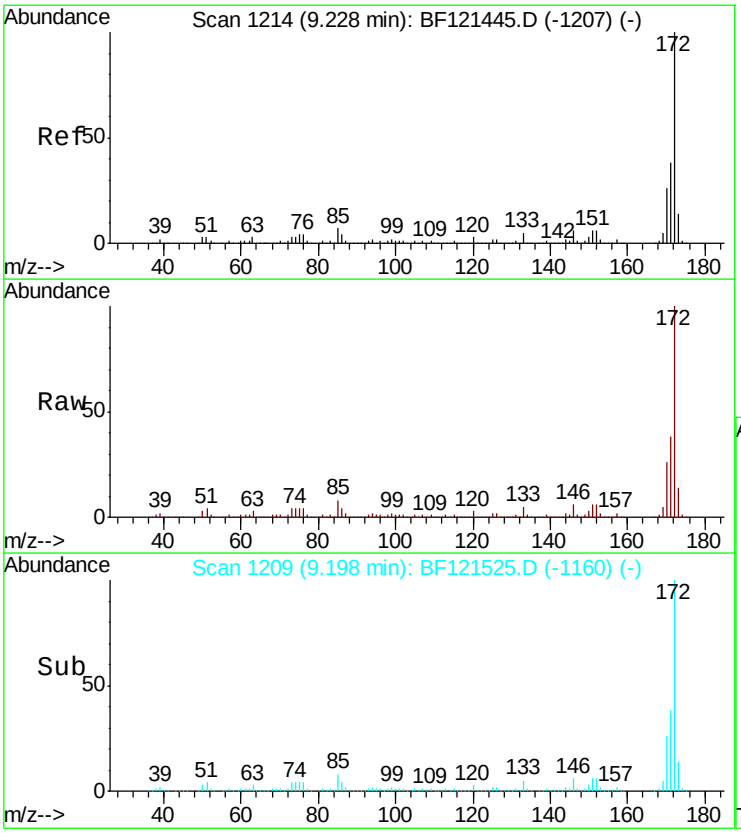

#42
2,4,6-Tribromophenol
Concen: 134.219 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

**Instrument :**
BNA_F
**ClientSampleId :**
PB131478TB

Tgt Ion:330 Resp: 890935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.2 | 76.2 | 114.2 |
| 141 | 27.6 | 22.6 | 34.0 |

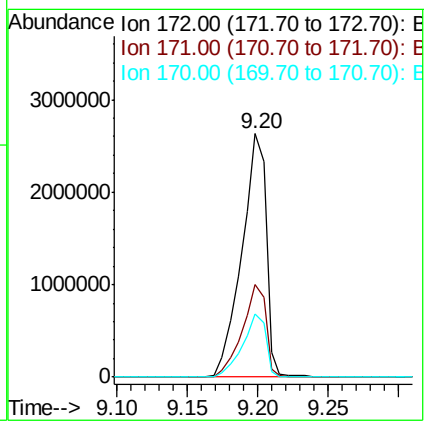


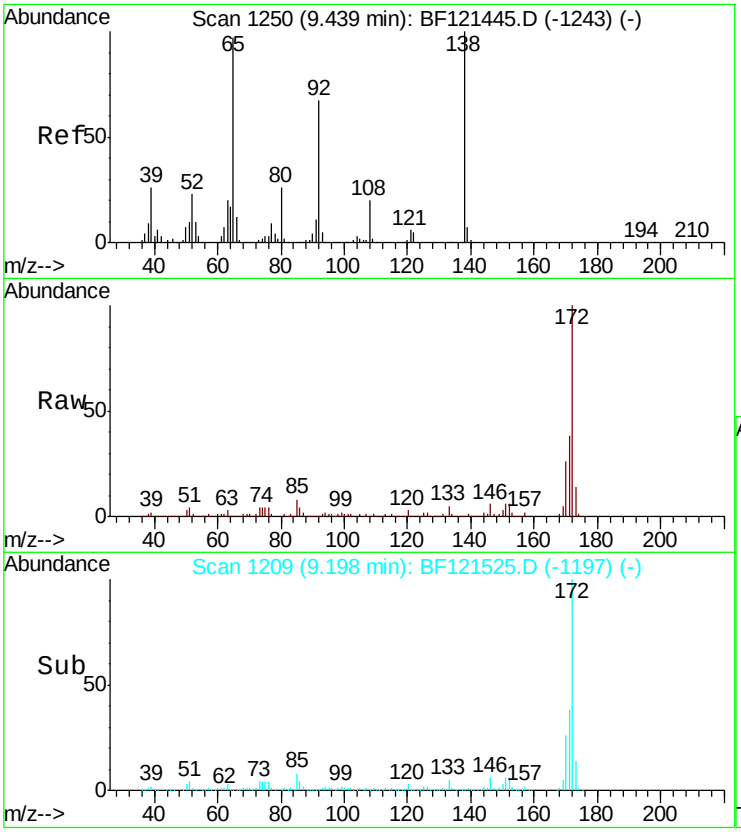




#45
2-Fluorobiphenyl
Concen: 78.494 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

Tgt Ion:172 Resp: 3197058

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.0 | 30.4 | 45.6 |
| 170 | 26.0 | 20.7 | 31.1 |



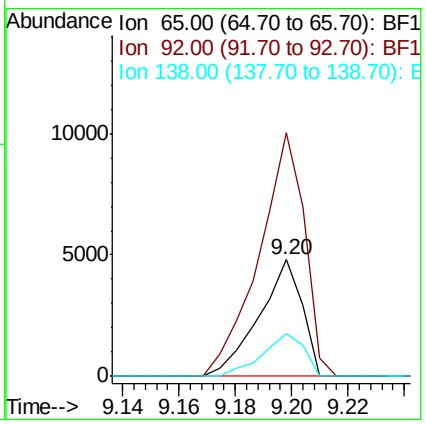


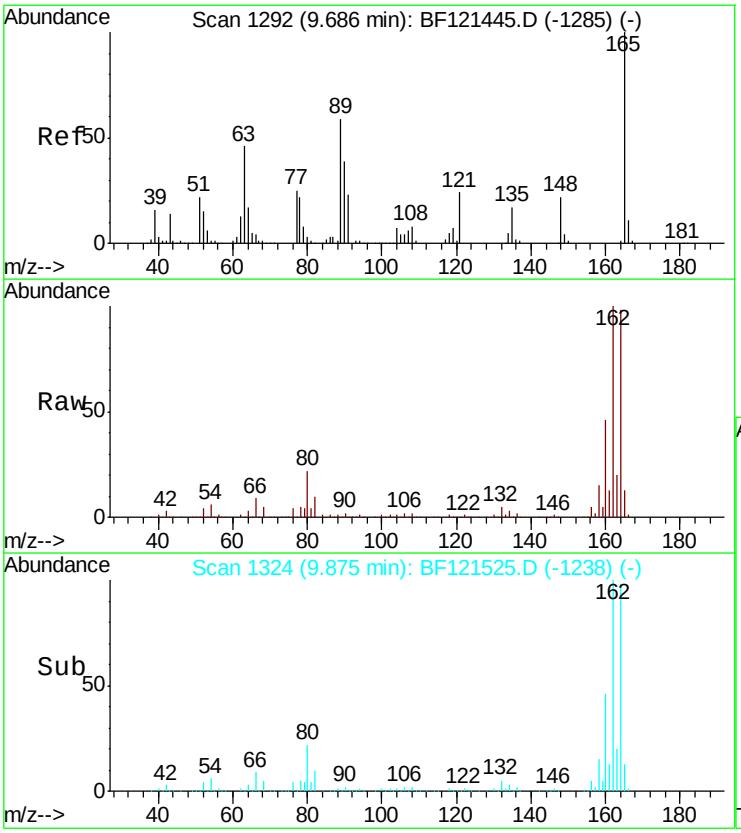

#48
2-Nitroaniline
Concen: 7.030 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.23 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

**Instrument :**
BNA_F
**ClientSampleId :**
PB131478TB

Tgt Ion: 65 Resp: 5074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 92 | 208.5 | 58.6 | 87.8# |
| 138 | 36.2 | 88.6 | 133.0# |

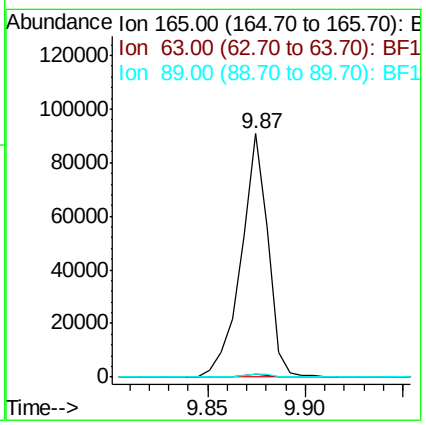


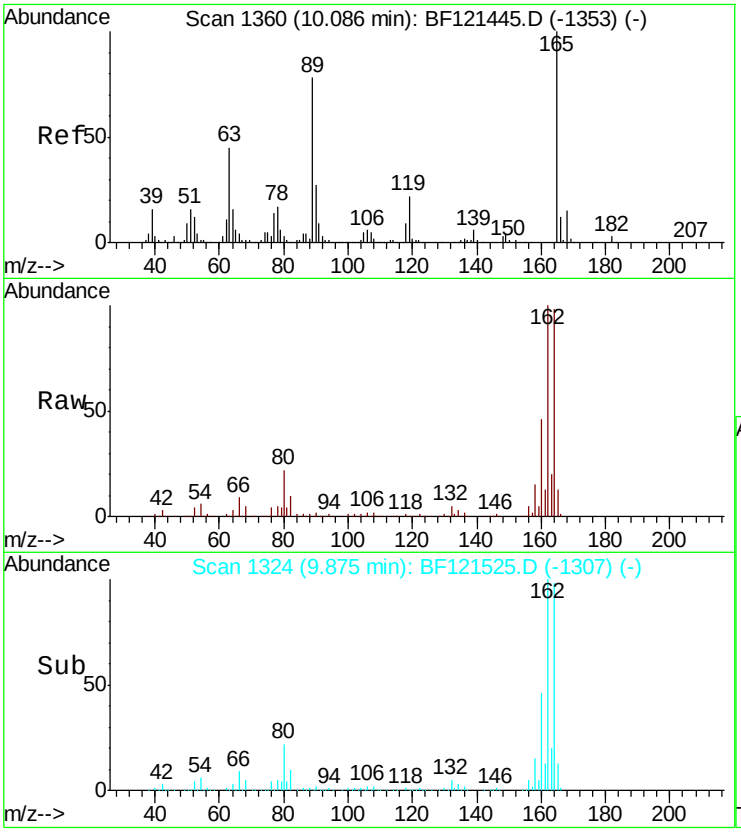




#51
2,6-Dinitrotoluene
Concen: 15.232 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.21 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

Tgt Ion:165 Resp: 86074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.1 | 47.4 | 71.0# |
| 89 | 1.1 | 47.9 | 71.9# |



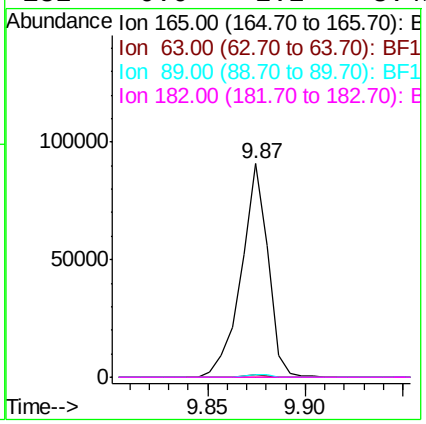


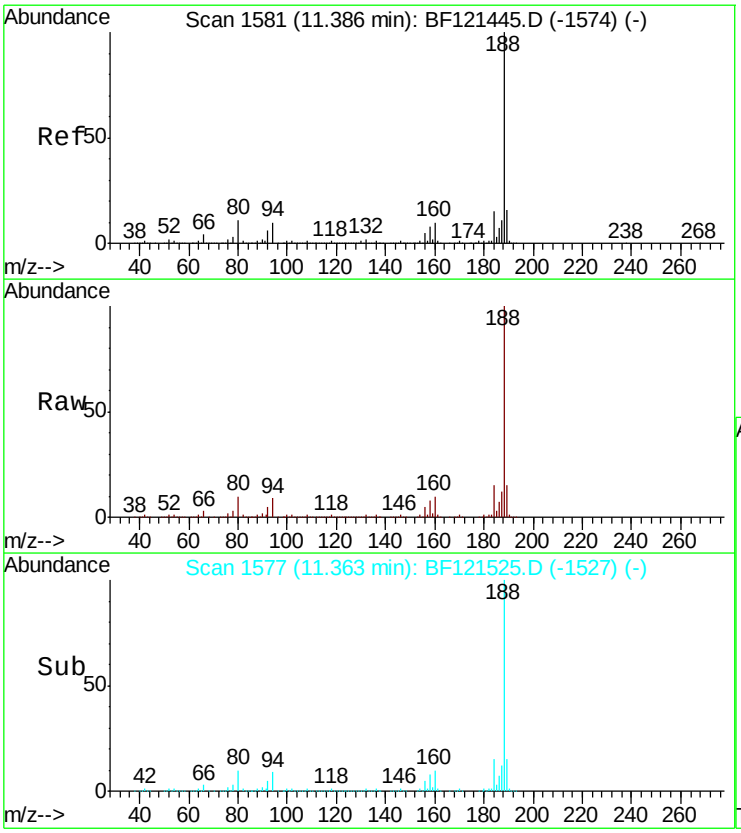

#57
2,4-Dinitrotoluene
Concen: 14.287 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.20 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

**Instrument :**
BNA_F
**ClientSampleId :**
PB131478TB

Tgt Ion:165 Resp: 86074

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.1 | 33.6 | 50.4# |
| 89 | 1.1 | 56.4 | 84.6# |
| 182 | 0.0 | 2.2 | 3.4# |

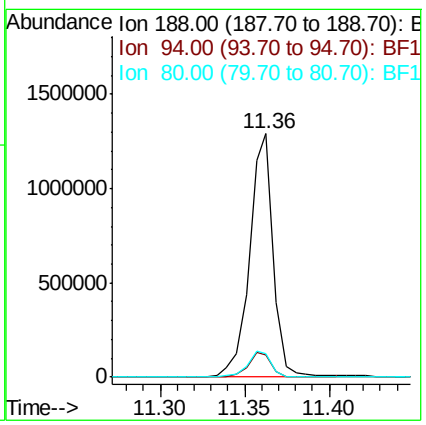


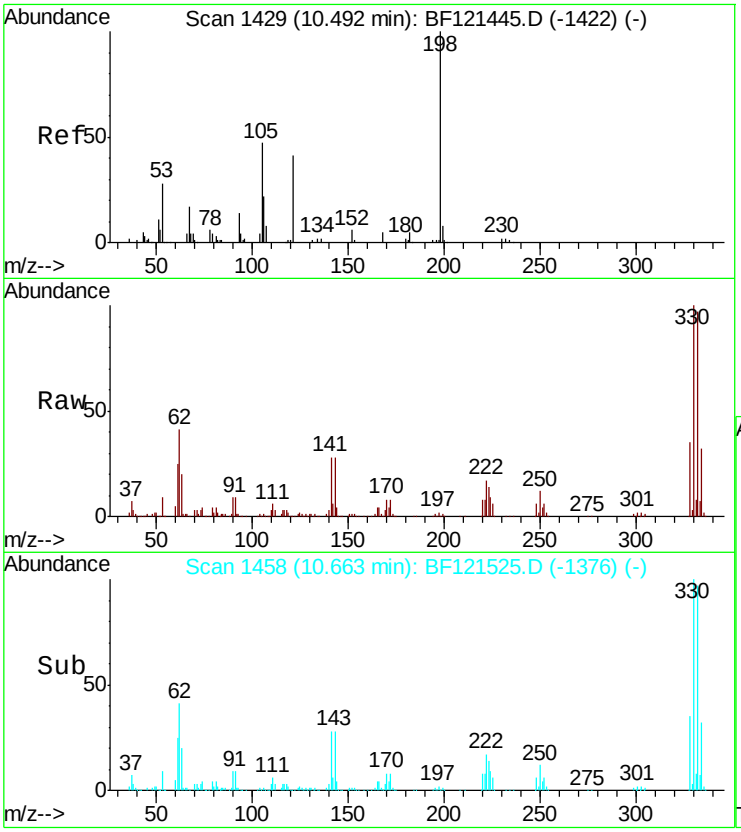




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

Tgt Ion:188 Resp: 1265470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.2 | 8.8 | 13.2 |
| 80 | 9.8 | 9.1 | 13.7 |



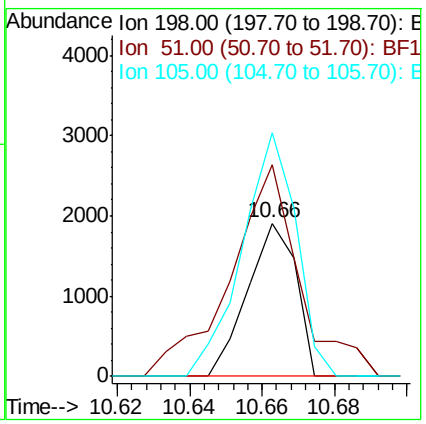


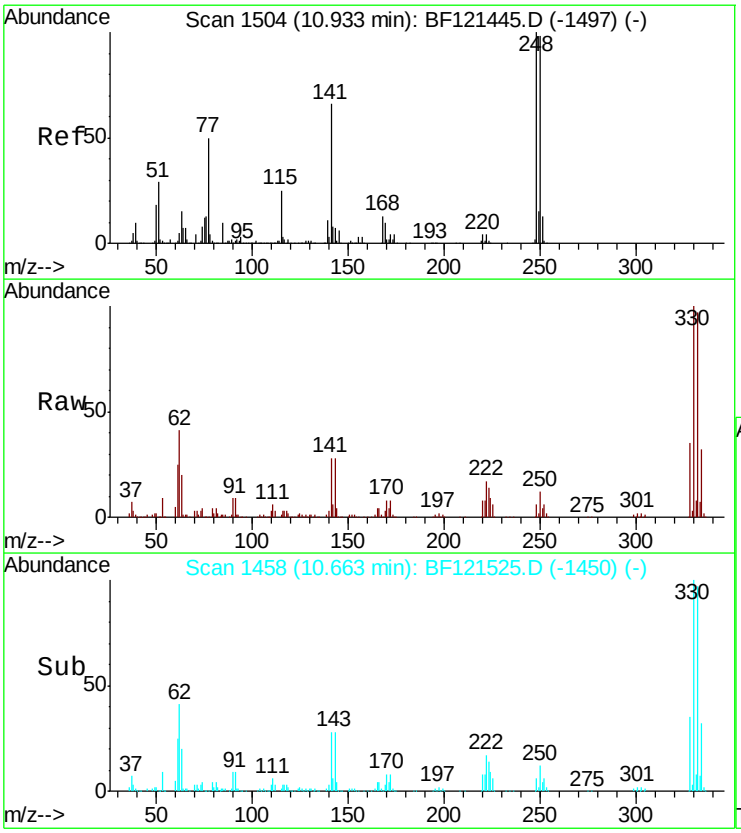

#65
4,6-Dinitro-2-methylphenol
Concen: 6.235 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.18 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

**Instrument :**
BNA_F
**ClientSampleId :**
PB131478TB

Tgt Ion:198 Resp: 1772

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 138.0 | 24.9 | 64.9# |
| 105 | 158.9 | 25.8 | 65.8# |

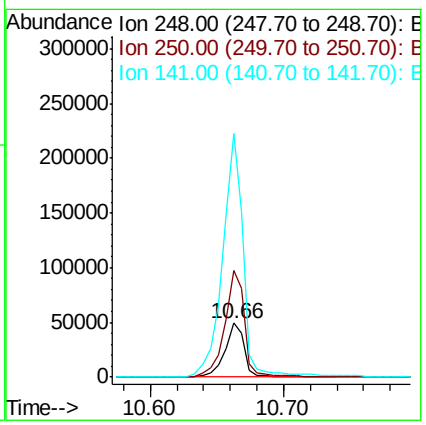


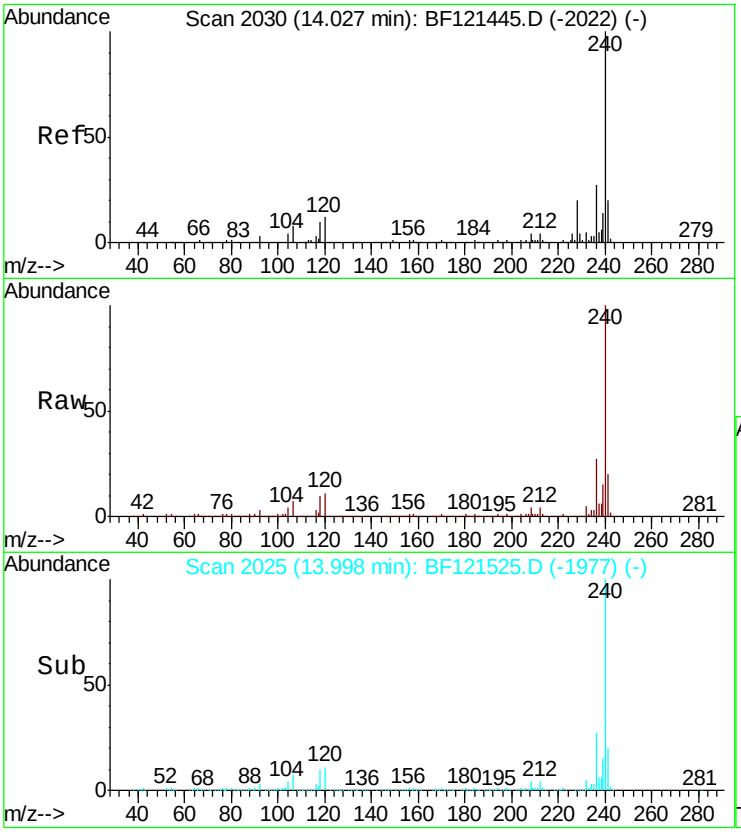




#67
4-Bromophenyl-phenylether
Concen: 3.668 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

Tgt Ion:248 Resp: 51066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 197.6 | 77.8 | 116.6# |
| 141 | 452.6 | 56.4 | 84.6# |



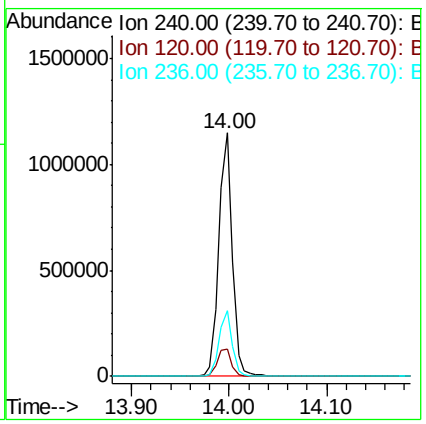


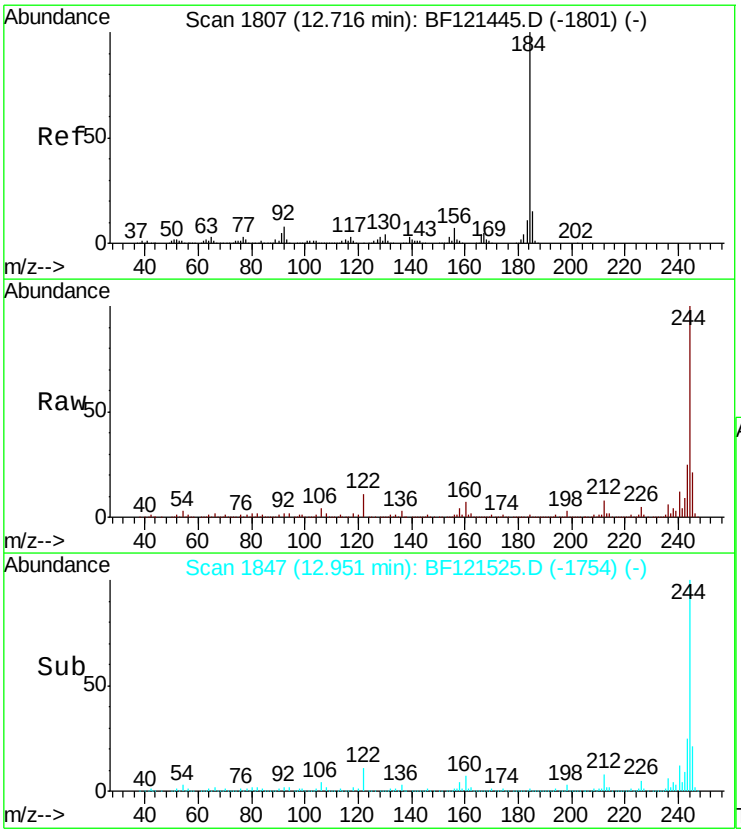

#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

**Instrument :**
BNA_F
**ClientSampleId :**
PB131478TB

Tgt Ion:240 Resp: 1100909

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.1 | 8.0 | 12.0 |
| 236 | 26.8 | 21.4 | 32.2 |

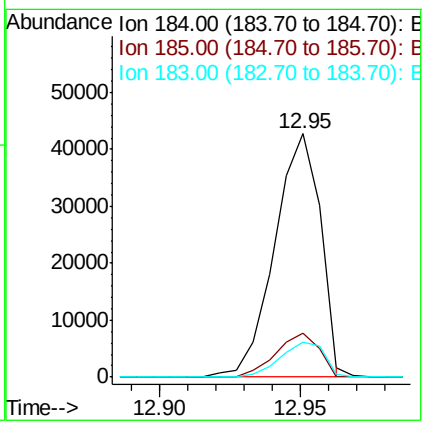


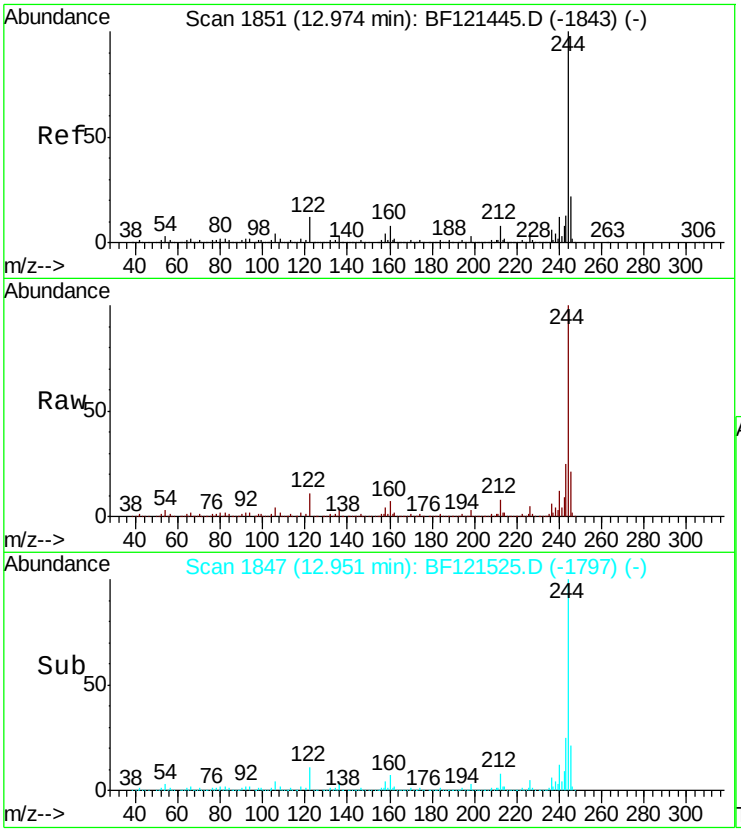




#77
Benzidine
Concen: 2.005 ng
RT: 12.95 min Scan# 1847
Delta R.T. 0.25 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

Tgt Ion:184 Resp: 48135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 18.1 | 11.5 | 17.3# |
| 183 | 14.3 | 9.0 | 13.6# |



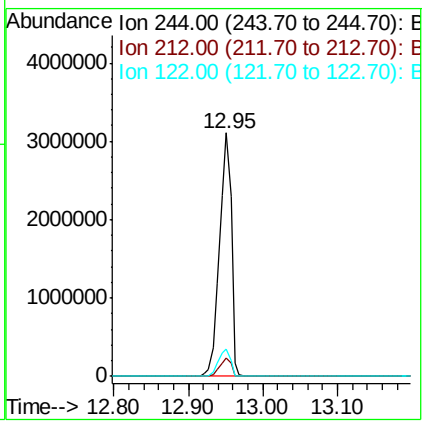


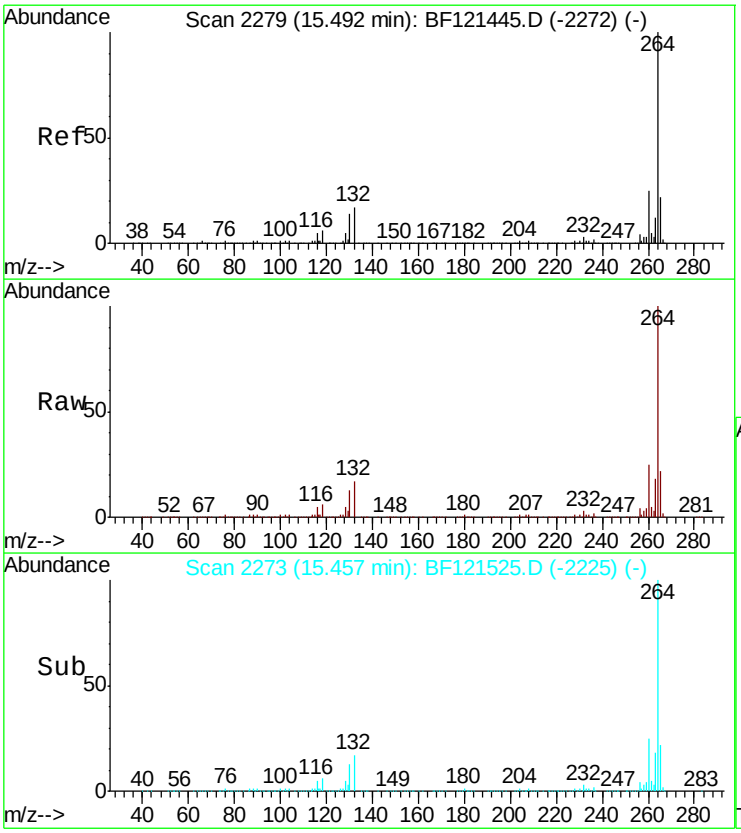

#79
Terphenyl-d14
Concen: 65.120 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

**Instrument :**
BNA_F
**ClientSampleId :**
PB131478TB

Tgt Ion:244 Resp: 3405842

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.8 | 6.0 | 9.0 |
| 122 | 11.4 | 9.3 | 13.9 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.02 min
Lab File: BF121525.D
Acq: 8 Sep 2020 16:44

Tgt Ion:264 Resp: 1077204

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.7 | 19.7 | 29.5 |
| 265 | 21.8 | 17.4 | 26.2 |