Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091019\
Data File : BF116946.D
Acq On : 11 Sep 2019 3:26
Operator : HP/JU
Sample : K4658-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Sep 11 04:05:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 17:49:40 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.83 | 152 | 83713 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.12 | 136 | 325907 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.87 | 164 | 164998 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.35 | 188 | 261889 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.98 | 240 | 152822 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.43 | 264 | 168295 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.47 | 112 | 605186 | 117.12 | ng | | 0.02 |
| 7) Phenol-d6 | 6.47 | 99 | 726167 | 107.02 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.39 | 82 | 564492 | 98.88 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.66 | 330 | 185355 | 168.04 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.19 | 172 | 984827 | 100.69 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.93 | 244 | 830537 | 100.54 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.39 | 70 | 76805 | 17.192 | ng | # | 73 |
| 25) Isophorone | 7.39 | 82 | 564486 | 48.796 | ng | # | 66 |
| 50) Dimethylphthalate | 9.58 | 163 | 46714 | 4.101 | ng | | 98 |
| 51) 2,6-Dinitrotoluene | 9.87 | 165 | 20220 | 9.303 | ng | # | 20 |
| 57) 2,4-Dinitrotoluene | 9.87 | 165 | 20220 | 7.609 | ng | # | 20 |
| 65) 4,6-Dinitro-2-methylphenol | 10.65 | 198 | 351 | 7.759 | ng | # | 1 |
| 67) 4-Bromophenyl-phenylether | 10.66 | 248 | 11953 | 4.493 | ng | # | 1 |
| 77) Benzidine | 12.93 | 184 | 12215 | 2.038 | ng | | 94 |

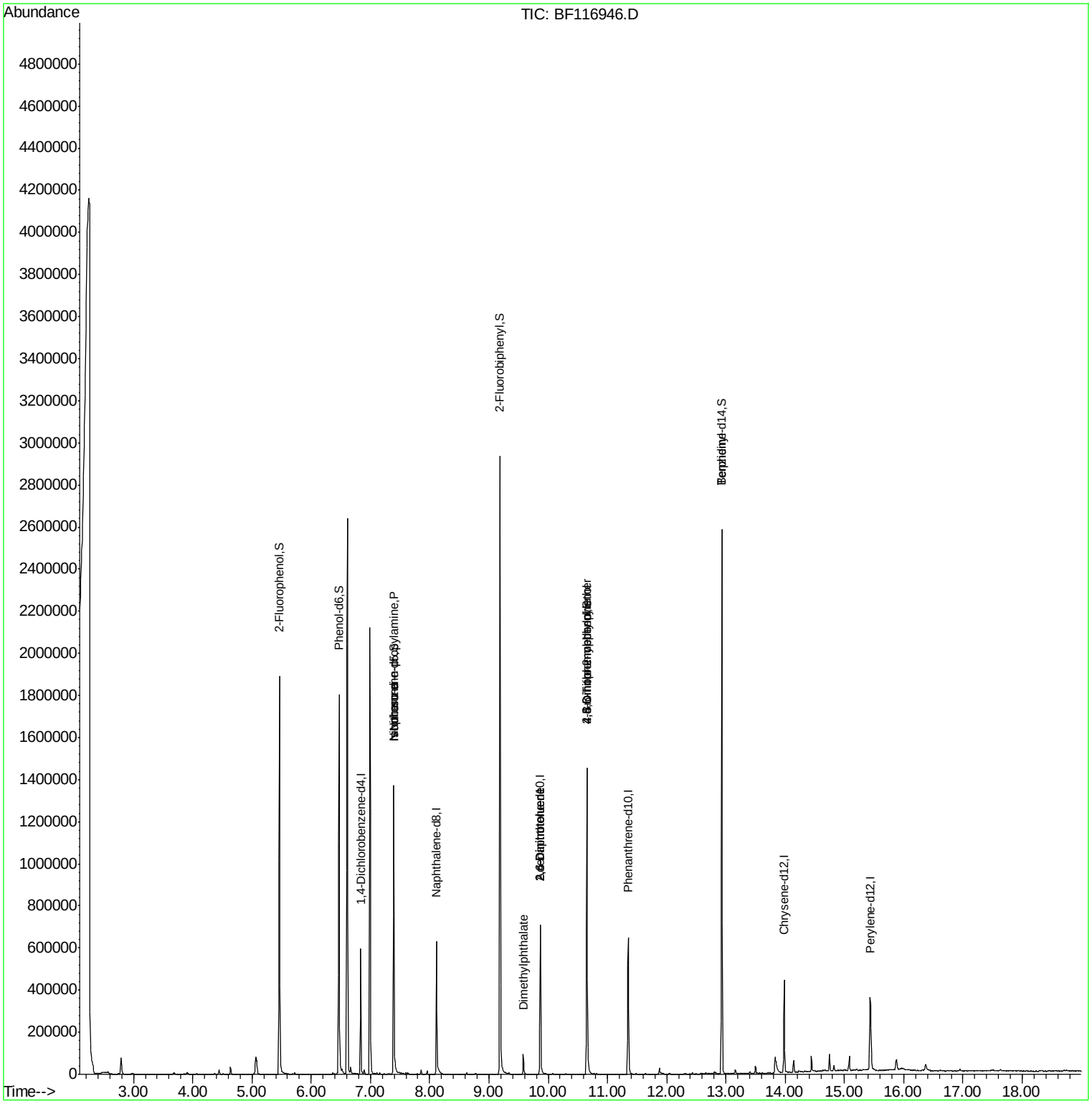
(#) = qualifier out of range (m) = manual integration (+) = signals summed

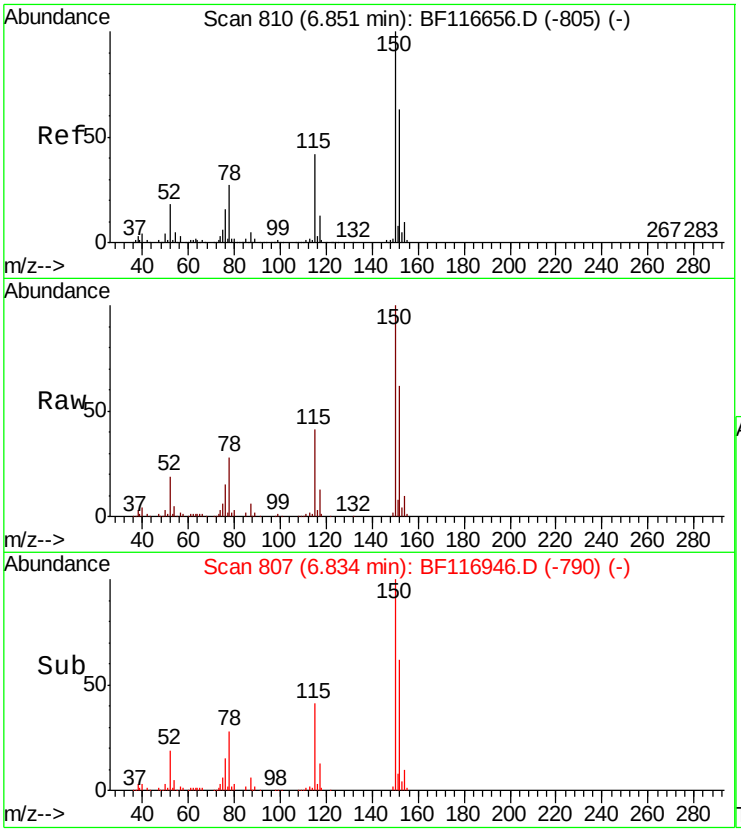
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091019\
Data File : BF116946.D
Acq On : 11 Sep 2019 3:26
Operator : HP/JU
Sample : K4658-06
Misc :
ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Sep 11 04:05:33 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 10 17:49:40 2019
Response via : Initial Calibration



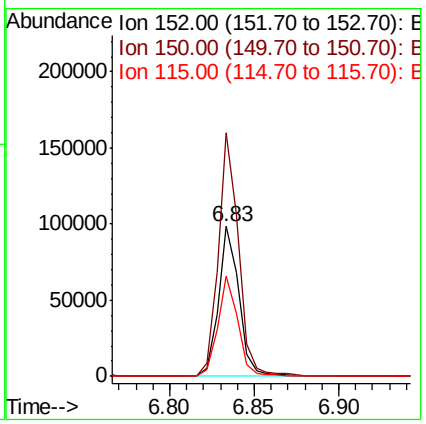


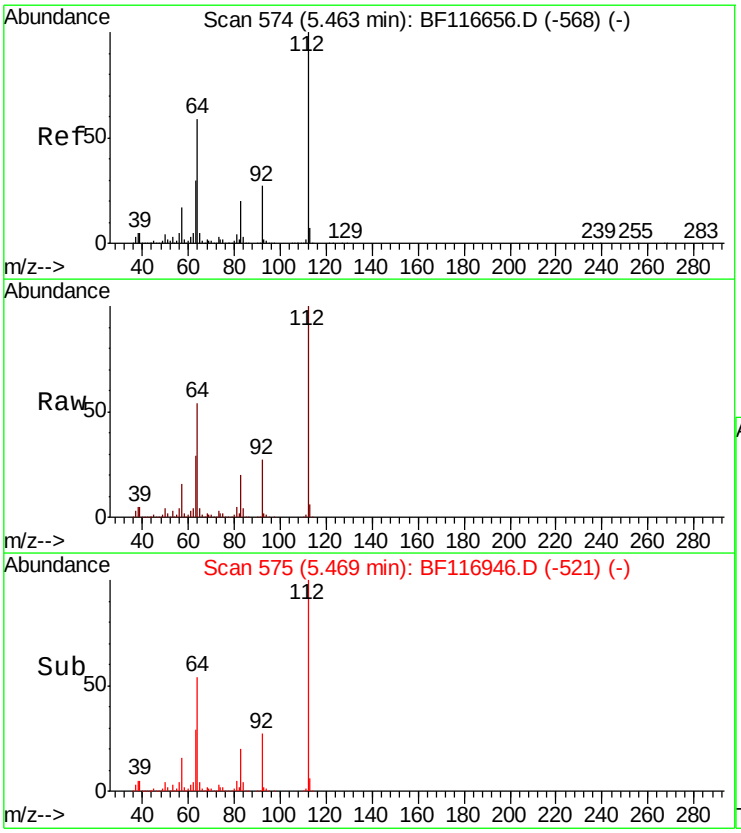

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

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

Tgt Ion:152 Resp: 83713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 162.4 | 124.4 | 186.6 |
| 115 | 66.8 | 49.9 | 74.9 |

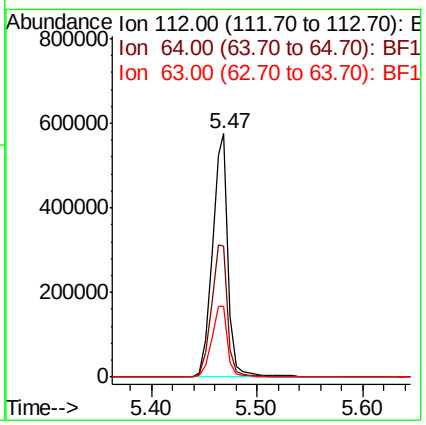


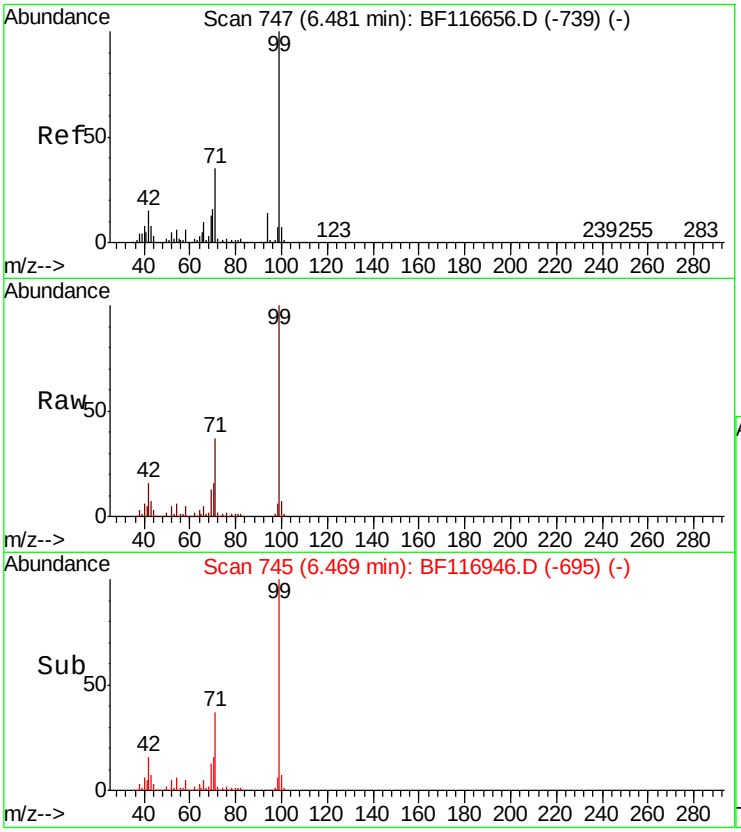




#5
2-Fluorophenol
Concen: 117.119 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.02 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

Tgt Ion:112 Resp: 605186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 53.8 | 47.1 | 70.7 |
| 63 | 29.1 | 24.9 | 37.3 |



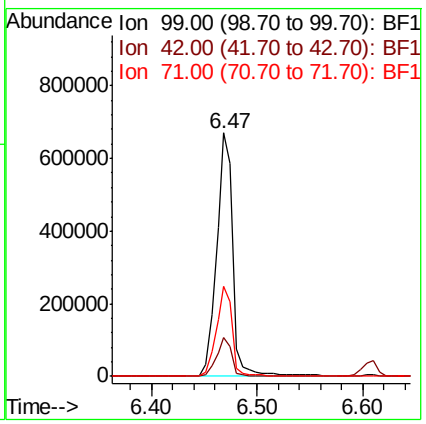


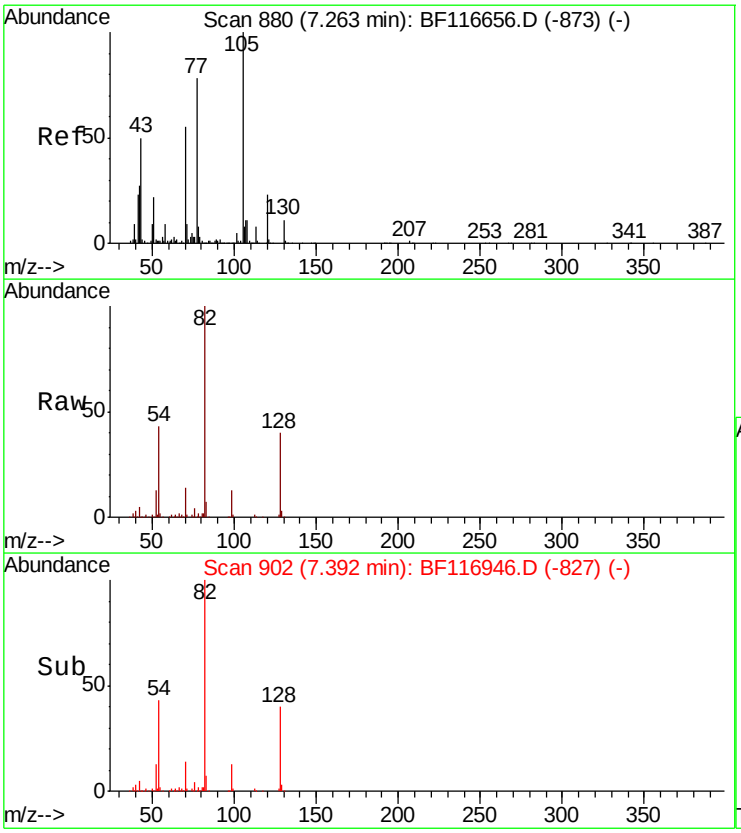

#7
Phenol-d6
Concen: 107.022 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

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

Tgt Ion: 99 Resp: 726167

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.7 | 13.7 | 20.5 |
| 71 | 37.2 | 30.8 | 46.2 |

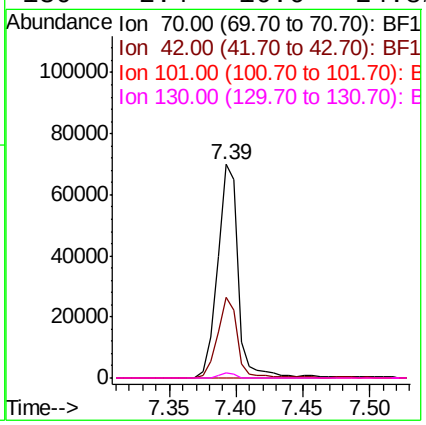


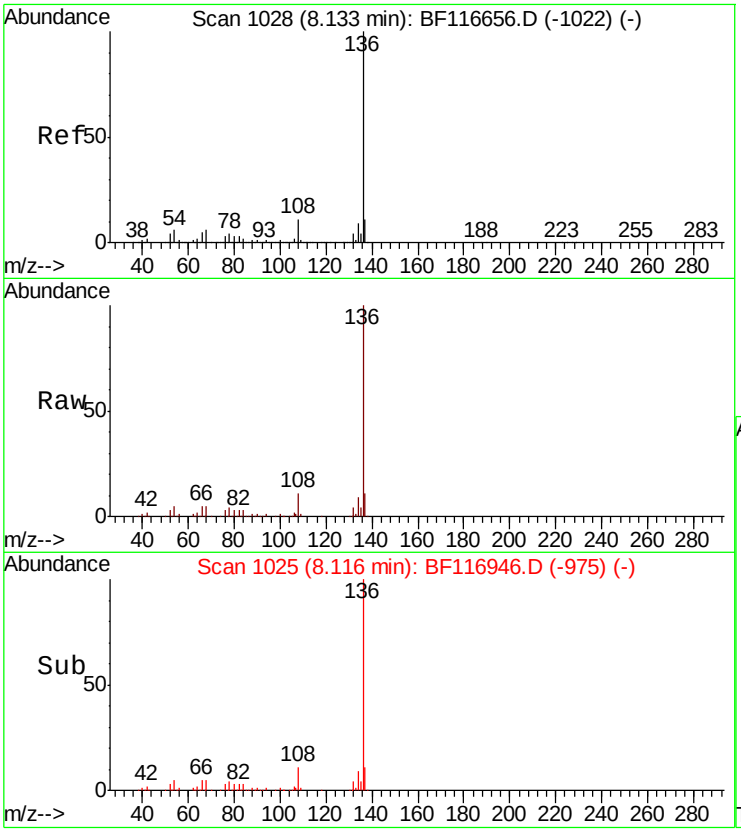




#19
n-Nitroso-di-n-propylamine
Concen: 17.192 ng
RT: 7.39 min Scan# 902
Delta R.T. 0.14 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

Tgt Ion: 70 Resp: 76805

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 37.9 | 43.5 | 65.3# |
| 101 | 0.0 | 7.8 | 11.6# |
| 130 | 2.4 | 16.6 | 24.8# |



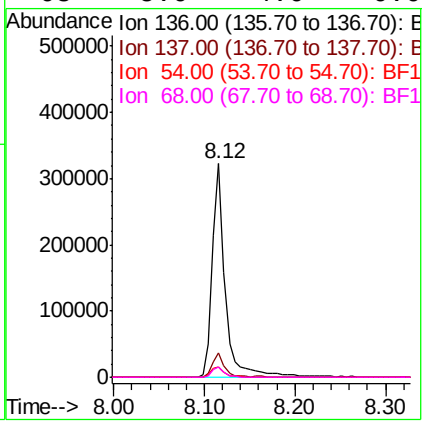


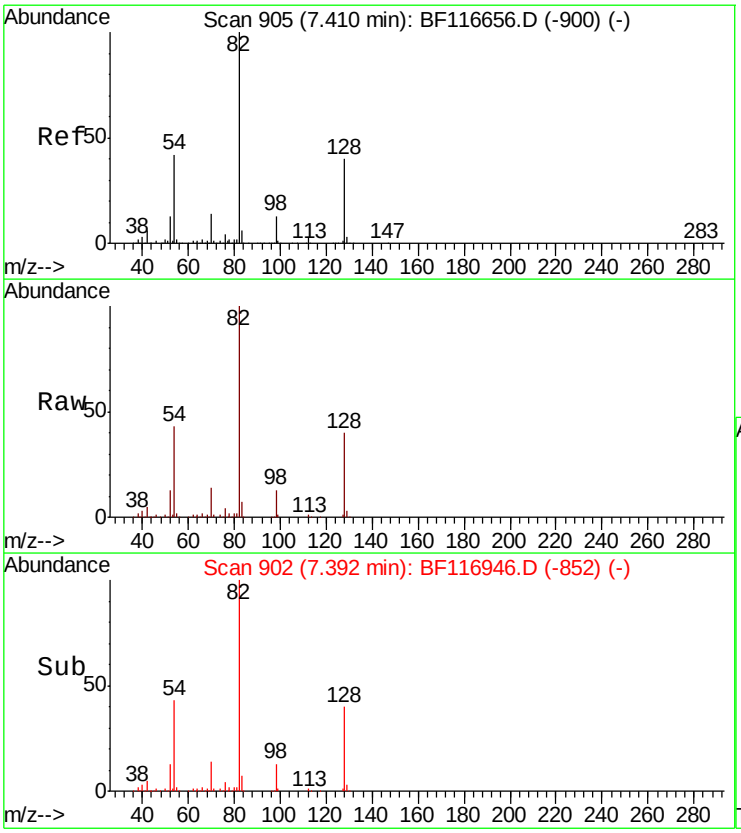

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

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

Tgt Ion:136 Resp: 325907

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.9 | 13.3 |
| 54 | 5.1 | 4.8 | 7.2 |
| 68 | 5.0 | 4.0 | 6.0 |

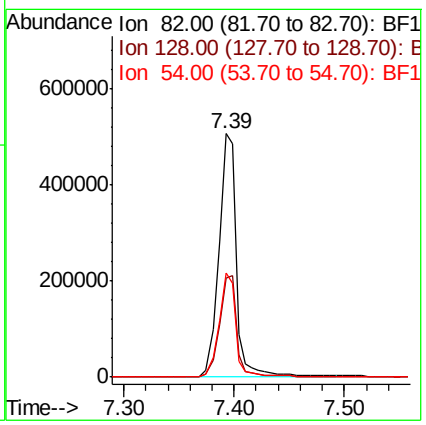


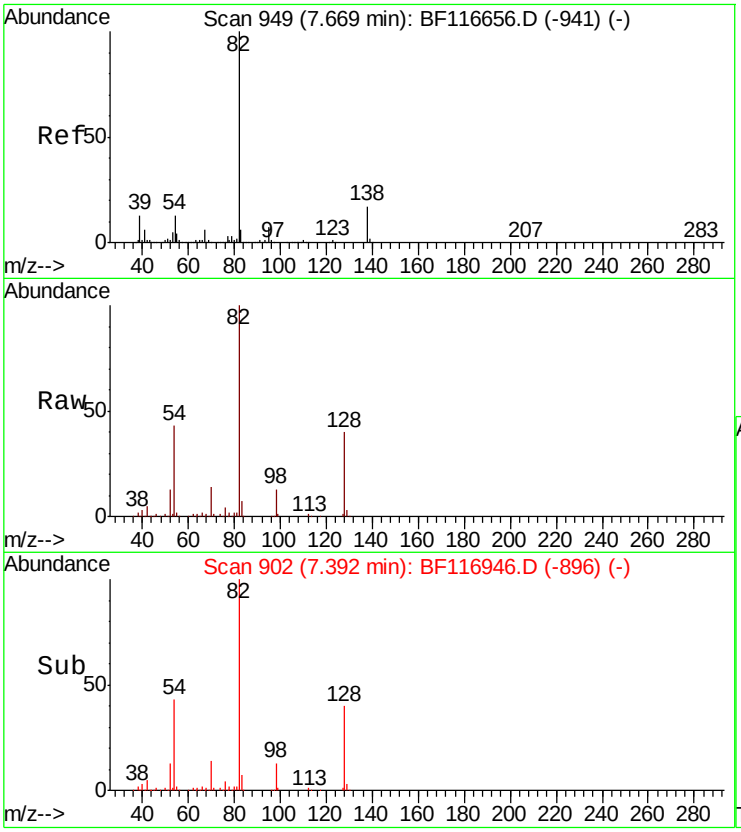




#23
Nitrobenzene-d5
Concen: 98.879 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

Tgt Ion: 82 Resp: 564492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 40.4 | 32.8 | 49.2 |
| 54 | 42.9 | 36.9 | 55.3 |



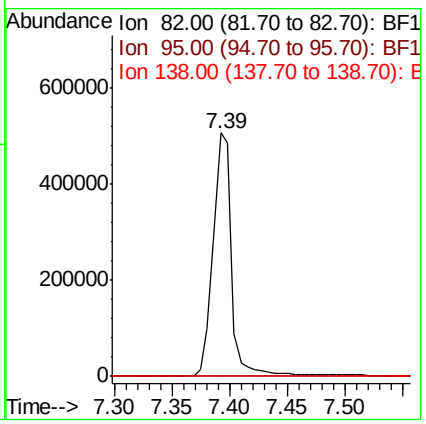


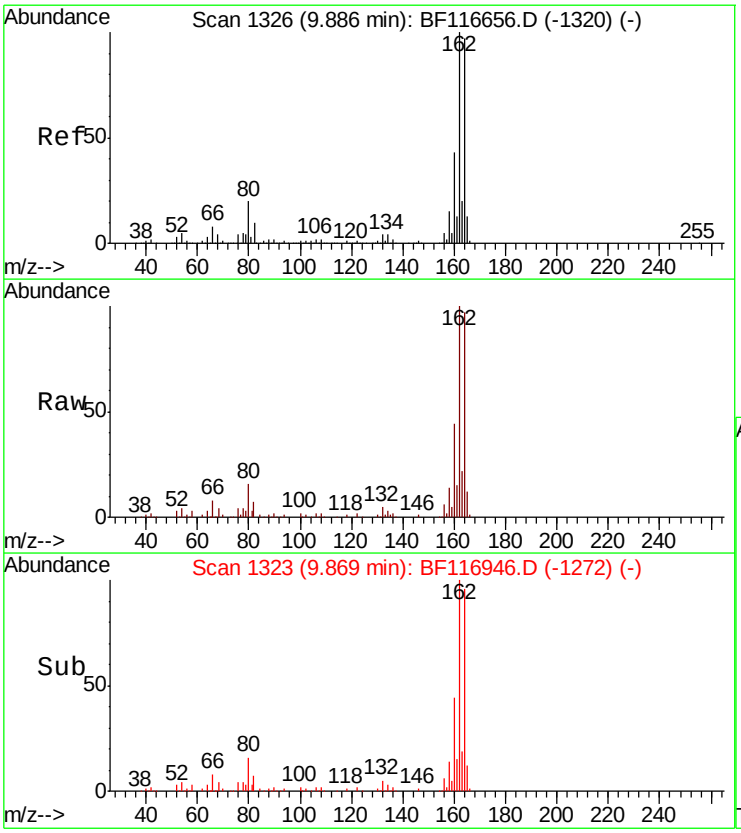

#25
Isophorone
Concen: 48.796 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.26 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

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

Tgt Ion: 82 Resp: 564486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.8 | 8.6# |
| 138 | 0.0 | 13.5 | 20.3# |

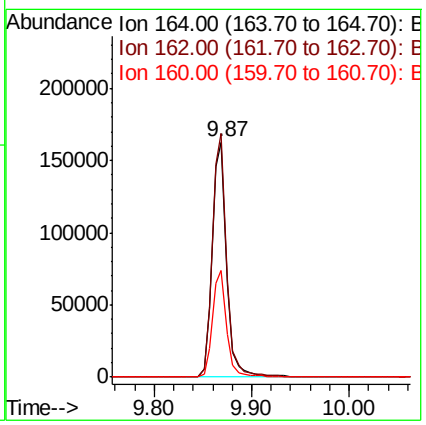


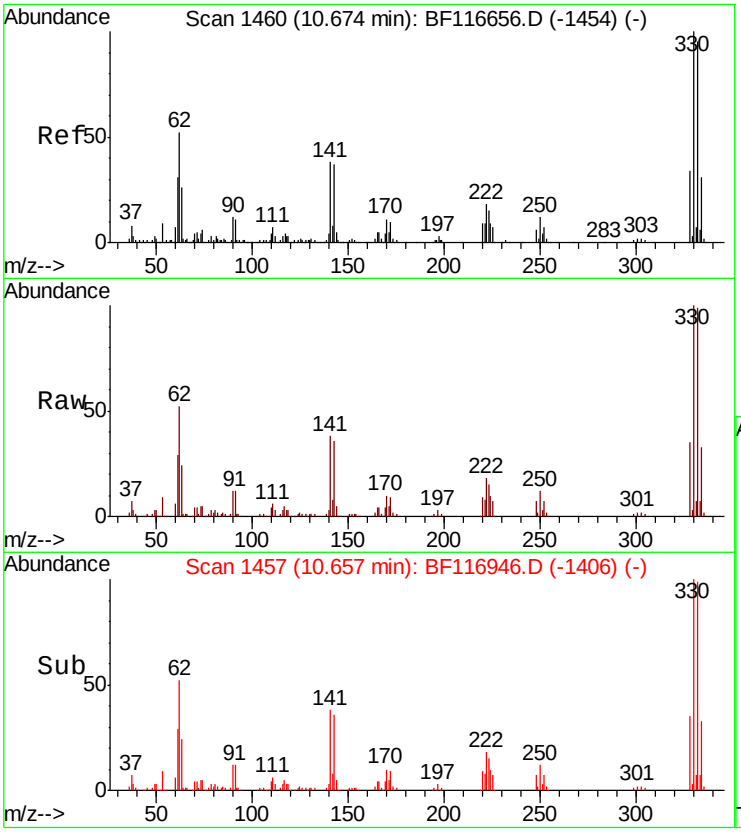




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.00 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

Tgt Ion:164 Resp: 164998

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.5 | 81.4 | 122.0 |
| 160 | 45.6 | 35.4 | 53.2 |



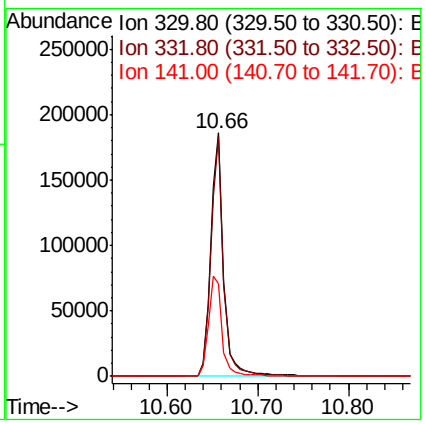


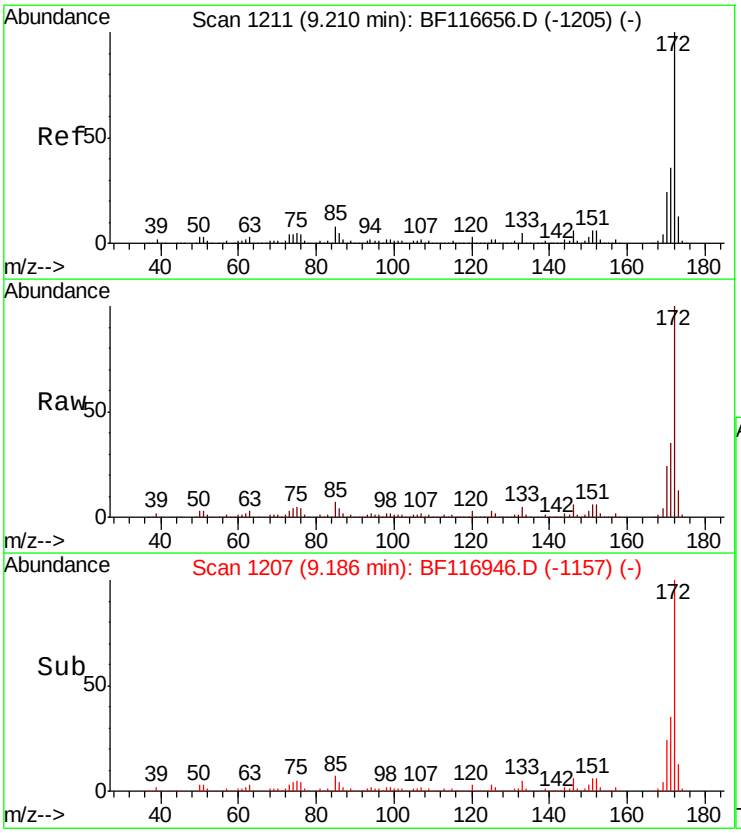

#42
2,4,6-Tribromophenol
Concen: 168.039 ng
RT: 10.66 min Scan# 1457
Delta R.T. 0.00 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

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

Tgt Ion:330 Resp: 185355

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.9 | 76.9 | 115.3 |
| 141 | 44.4 | 31.4 | 47.2 |

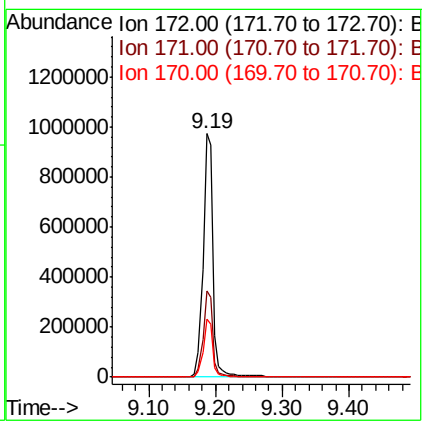


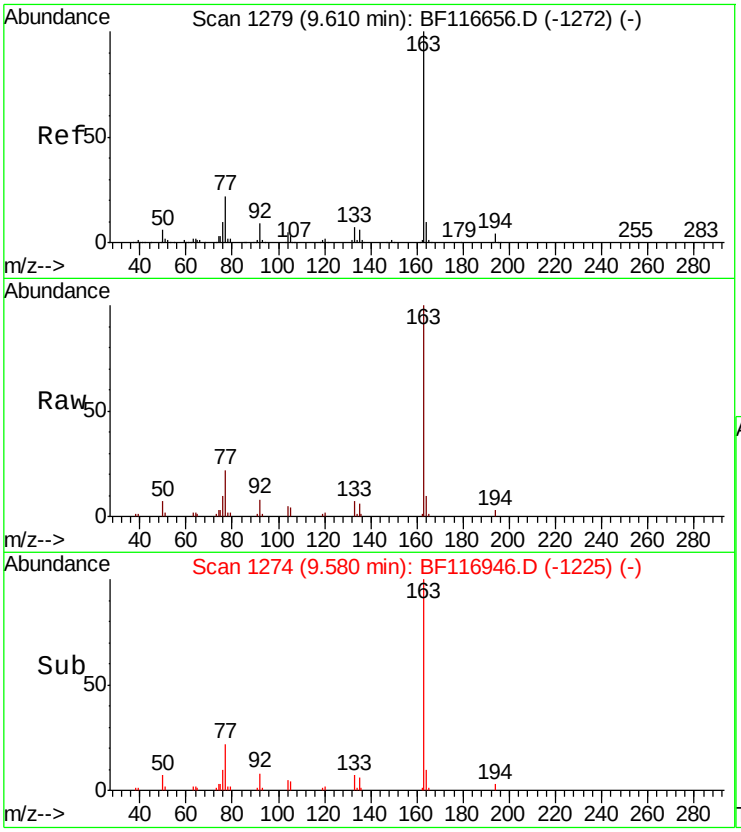




#45
2-Fluorobiphenyl
Concen: 100.686 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

Tgt Ion:172 Resp: 984827

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.2 | 27.8 | 41.6 |
| 170 | 23.7 | 18.9 | 28.3 |



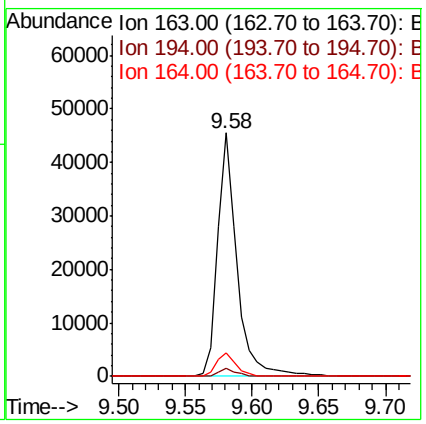


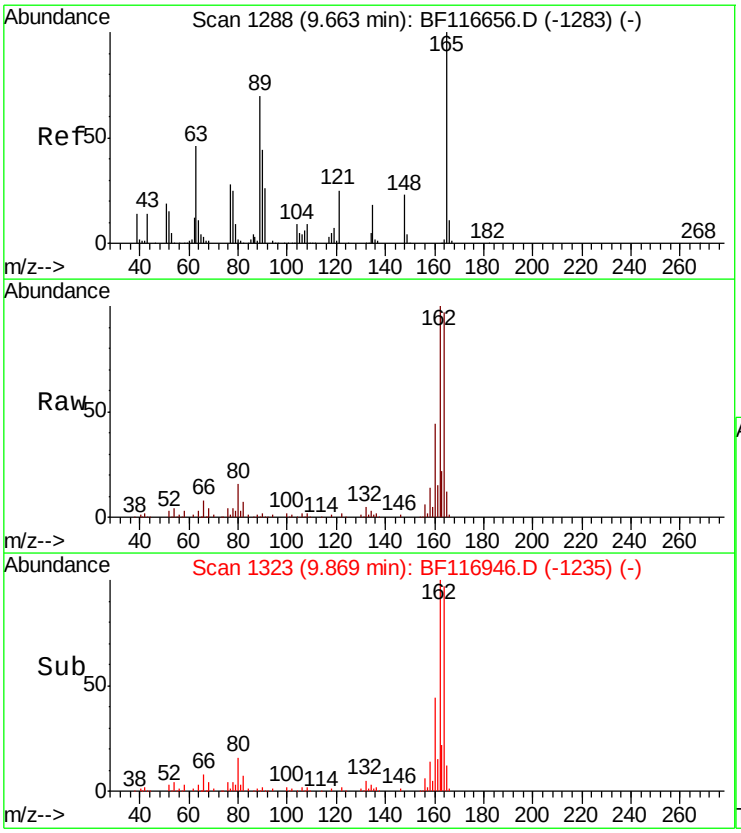

#50
Dimethylphthalate
Concen: 4.101 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.01 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

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

Tgt Ion:163 Resp: 46714

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.2 | 2.8 | 4.2 |
| 164 | 9.6 | 8.6 | 12.8 |

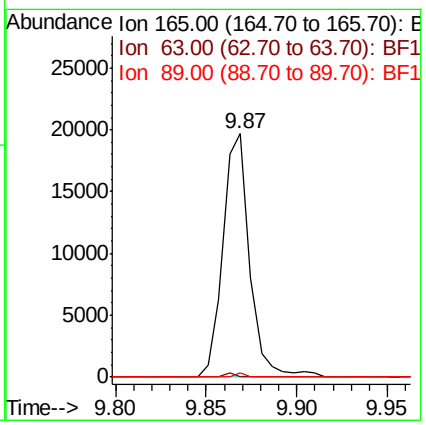


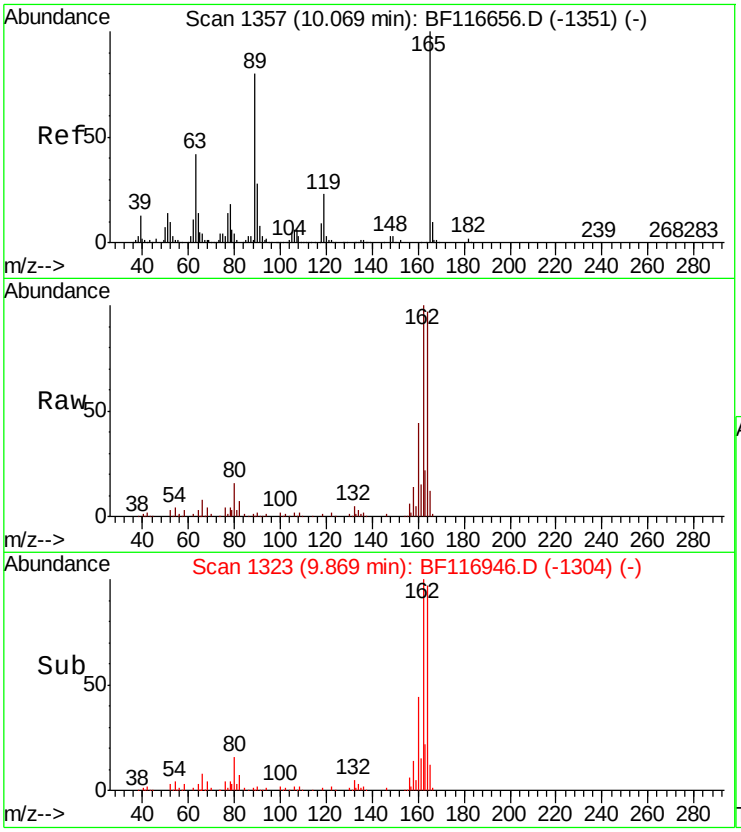




#51
2,6-Dinitrotoluene
Concen: 9.303 ng
RT: 9.87 min Scan# 1323
Delta R.T. 0.22 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

Tgt Ion:165 Resp: 20220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 47.3 | 70.9# |
| 89 | 1.6 | 52.5 | 78.7# |



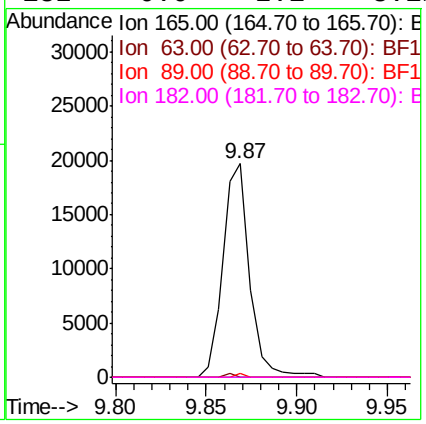


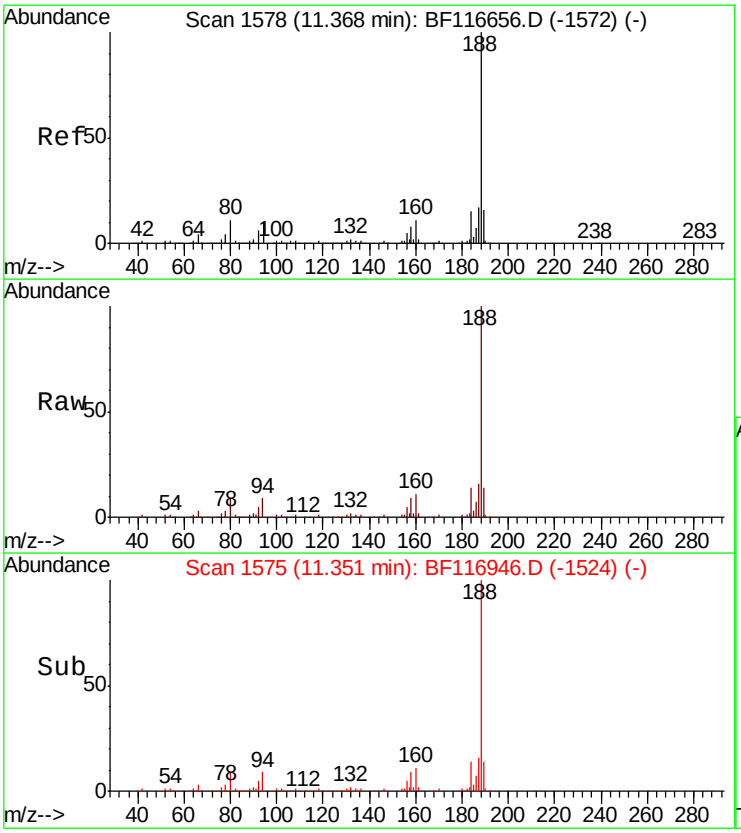

#57
2,4-Dinitrotoluene
Concen: 7.609 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.19 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

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

Tgt Ion:165 Resp: 20220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 0.0 | 36.4 | 54.6# |
| 89 | 1.6 | 62.6 | 94.0# |
| 182 | 0.0 | 2.1 | 3.1# |

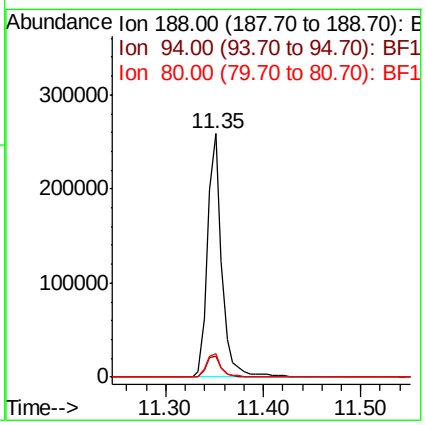


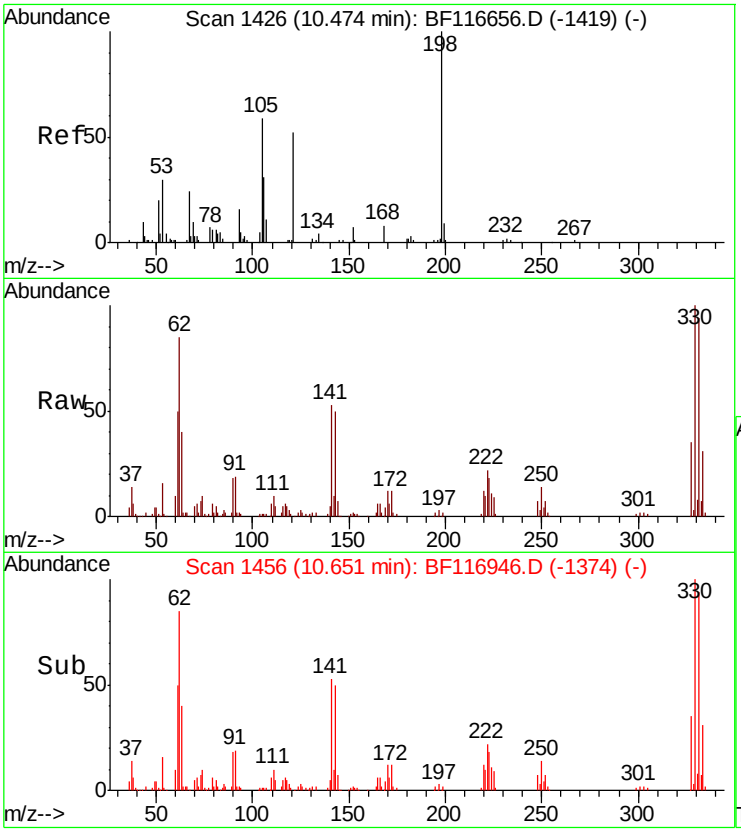




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

Tgt Ion:188 Resp: 261889

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 8.8 | 7.3 | 10.9 |
| 80 | 9.5 | 8.4 | 12.6 |



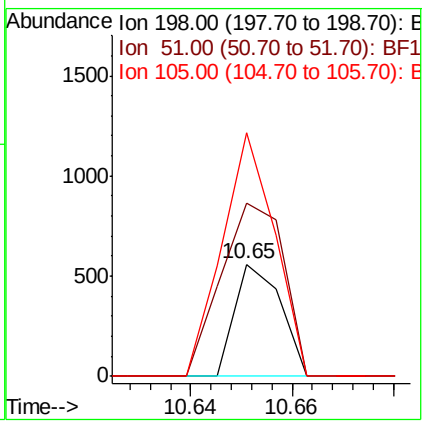


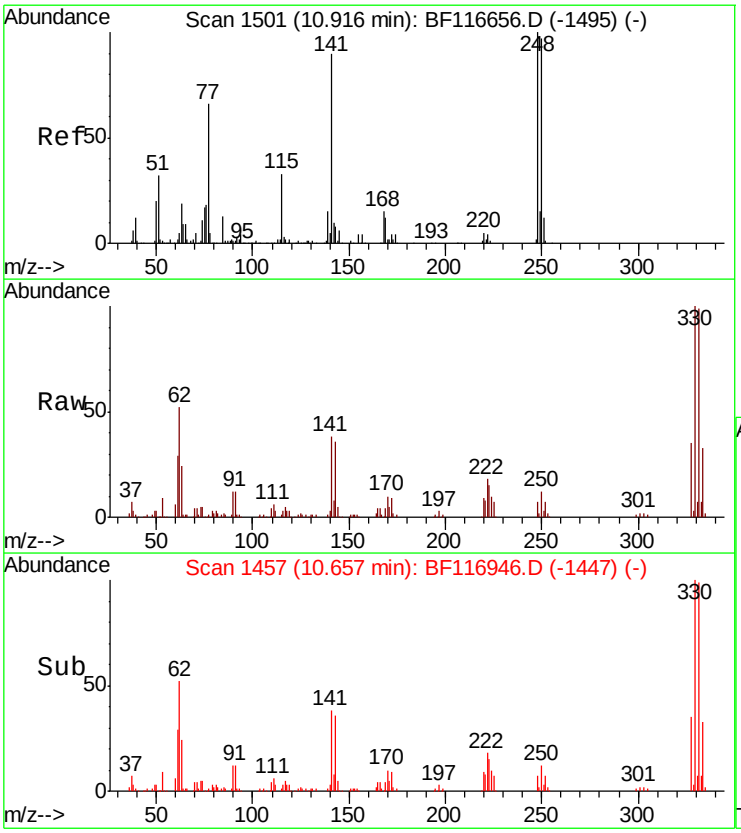

#65
4,6-Dinitro-2-methylphenol
Concen: 7.759 ng
RT: 10.65 min Scan# 1456
Delta R.T. 0.18 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

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

Tgt Ion:198 Resp: 351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 153.9 | 18.4 | 58.4# |
| 105 | 217.0 | 22.9 | 62.9# |

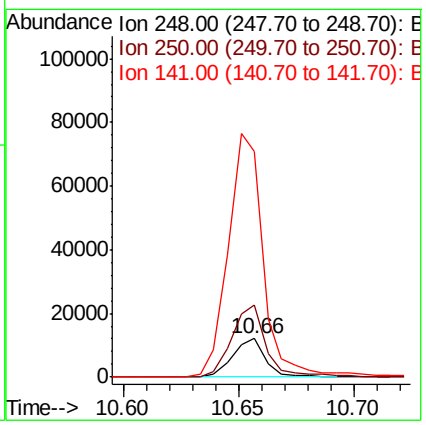


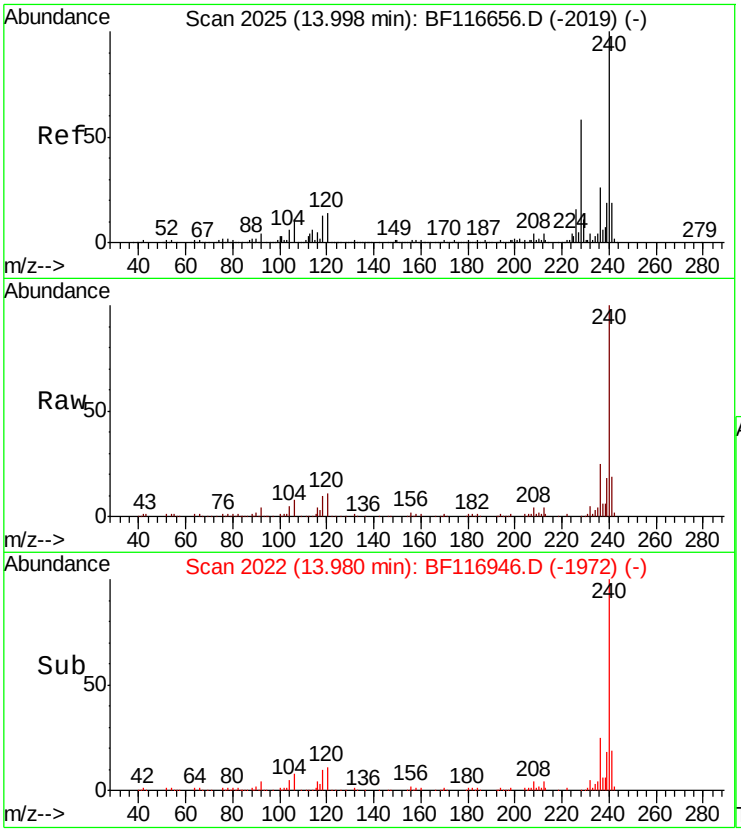




#67
4-Bromophenyl-phenylether
Concen: 4.493 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.24 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

Tgt Ion:248 Resp: 11953

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 187.6 | 77.8 | 116.8# |
| 141 | 584.0 | 75.9 | 113.9# |



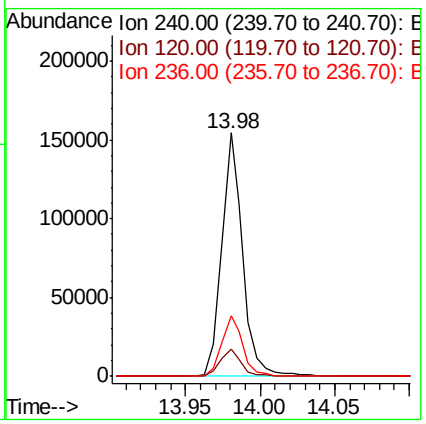


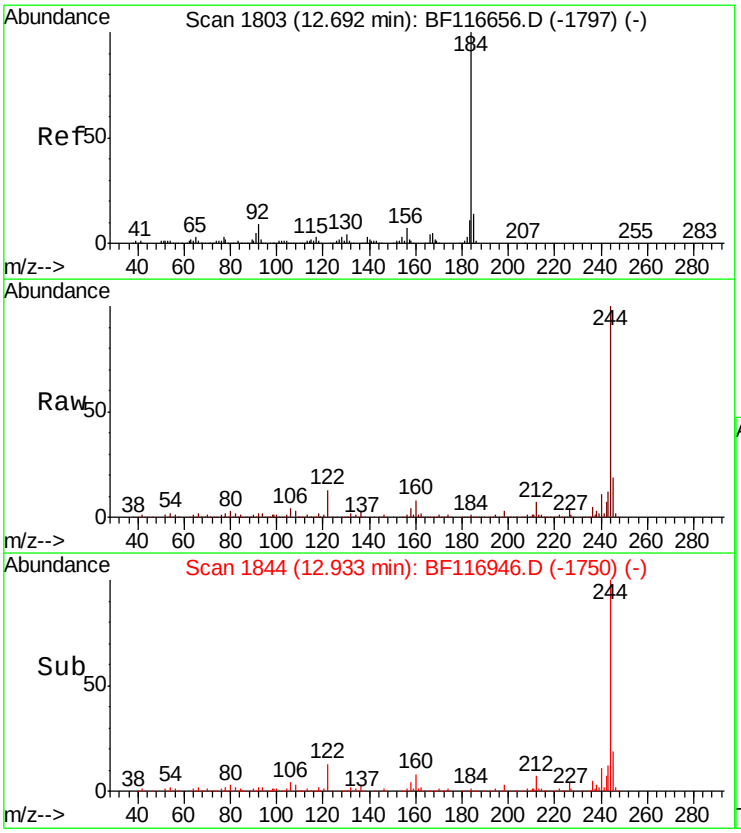

#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

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

Tgt Ion:240 Resp: 152822

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.3 | 9.1 | 13.7 |
| 236 | 25.0 | 21.1 | 31.7 |

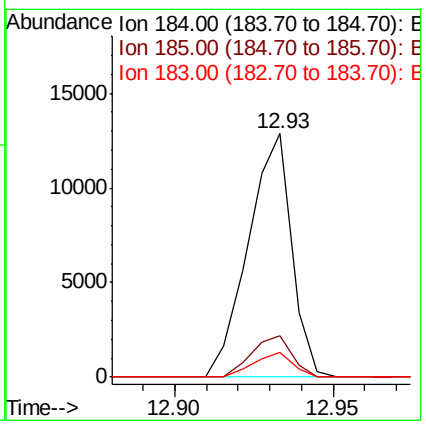


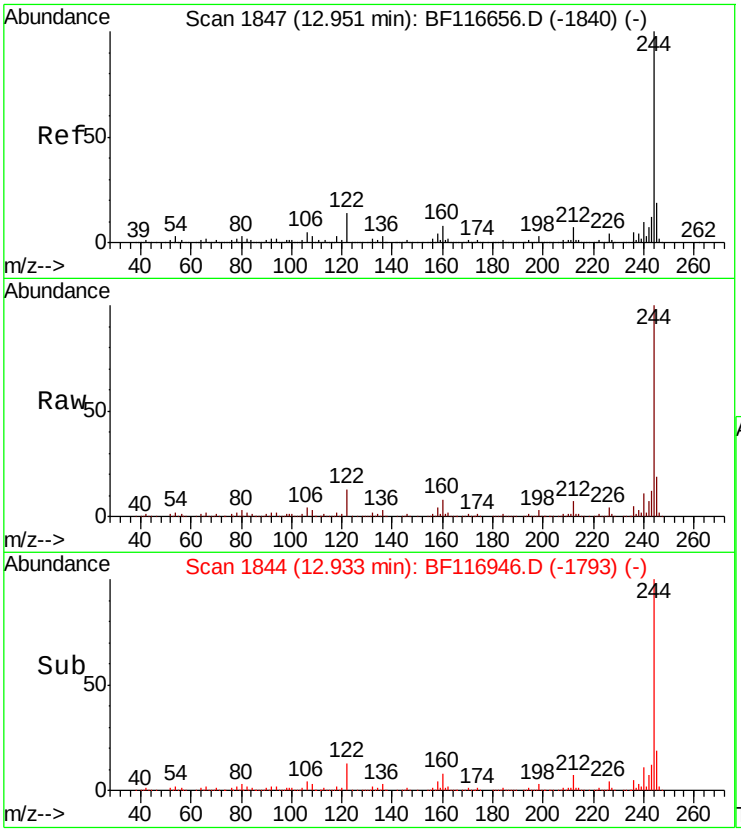




#77
Benzidine
Concen: 2.038 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.25 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

Tgt Ion:184 Resp: 12215

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 16.8 | 11.3 | 16.9 |
| 183 | 9.9 | 9.2 | 13.8 |



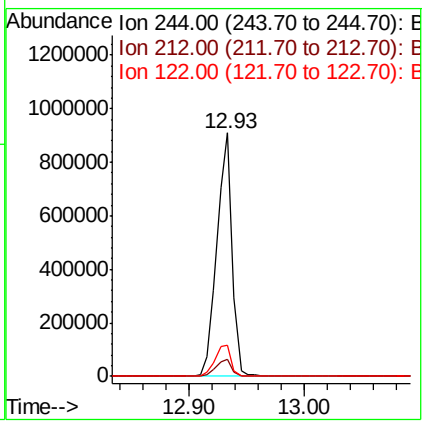


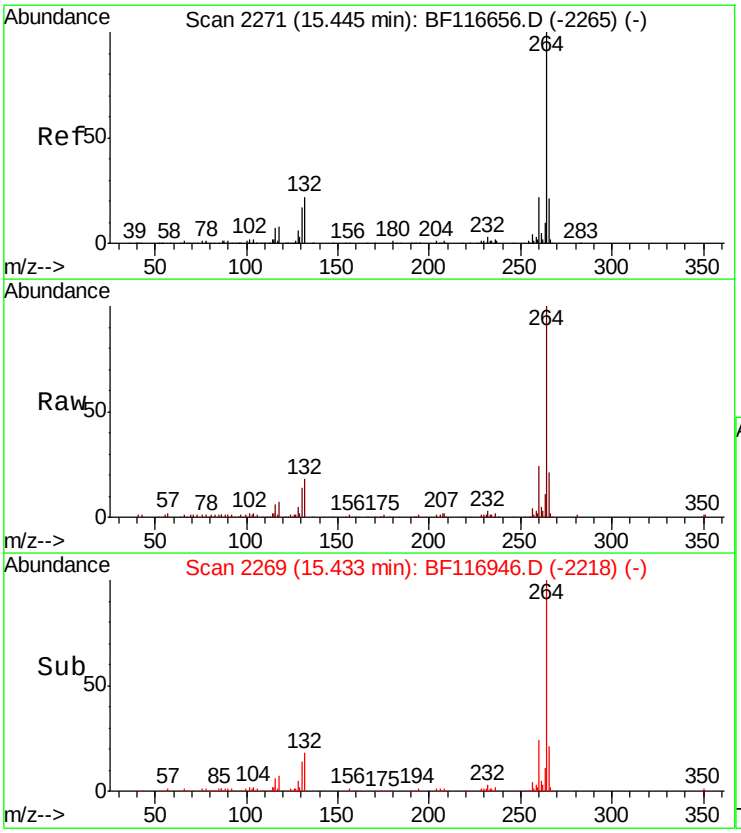

#79
Terphenyl-d14
Concen: 100.538 ng
RT: 12.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

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

Tgt Ion:244 Resp: 830537

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 6.1 | 9.1 |
| 122 | 12.6 | 10.2 | 15.4 |




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF116946.D
Acq: 11 Sep 2019 3:26

Tgt Ion:264 Resp: 168295

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.7 | 18.3 | 27.5 |
| 265 | 20.8 | 16.5 | 24.7 |