Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109252.D
Acq On : 23 Sep 2018 6:00
Operator : JU/SJ
Sample : J5017-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

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

Quant Time: Sep 24 06:54:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 22 13:32:18 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.70 | 152 | 111098 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 7.99 | 136 | 394217 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 9.74 | 164 | 151103 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.23 | 188 | 207144 | 20.00 | ng | 0.01 |
| 75) Chrysene-d12 | 13.86 | 240 | 162795 | 20.00 | ng | 0.02 |
| 86) Perylene-d12 | 15.27 | 264 | 151237 | 20.00 | ng | 0.04 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.32 | 112 | 754396 | 111.84 | ng | 0.00 |
| 7) Phenol-d6 | 6.35 | 99 | 973736 | 113.13 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.27 | 82 | 602465 | 90.22 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.53 | 330 | 158117 | 106.15 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.07 | 172 | 960171 | 95.84 | ng | 0.00 |
| 78) Terphenyl-d14 | 12.82 | 244 | 529829 | 79.87 | ng | 0.02 |
| **Target Compounds** | | | | | | Qvalue |
| 25) Isophorone | 7.27 | 82 | 573660 | 47.704 | ng | # 64 |
| 32) Benzoic acid | 7.82 | 122 | 232 | 6.853 | ng | # 1 |
| 49) Dimethylphthalate | 9.46 | 163 | 307320 | 27.963 | ng | # 98 |
| 53) 2,4-Dinitrophenol | 9.96 | 184 | 1595 | 10.349 | ng | # 1 |
| 55) 4-Nitrophenol | 9.85 | 139 | 8888 | 4.681 | ng | # 1 |
| 56) 2,4-Dinitrotoluene | 9.95 | 165 | 8023 | 2.913 | ng | # 65 |
| 57) Fluorene | 10.29 | 166 | 22420 | 2.355 | ng | # 73 |
| 64) 4,6-Dinitro-2-methylphenol | 10.36 | 198 | 774 | 7.326 | ng | # 1 |
| 65) n-Nitrosodiphenylamine | 10.40 | 169 | 79197 | 11.572 | ng | # 43 |
| 70) Phenanthrene | 11.25 | 178 | 109247 | 10.563 | ng | # 82 |
| 71) Anthracene | 11.30 | 178 | 26330 | 2.510 | ng | # 36 |
| 74) Fluoranthene | 12.67 | 202 | 57625 | 5.214 | ng | 80 |
| 76) Benzidine | 12.55 | 184 | 12862 | 2.191 | ng | # 1 |
| 77) Pyrene | 12.67 | 202 | 60588 | 5.193 | ng | # 85 |
| 80) Benzo(a)anthracene | 13.85 | 228 | 23418 | 2.388 | ng | # 24 |
| 82) Chrysene | 13.89 | 228 | 36398 | 3.745 | ng | # 41 |

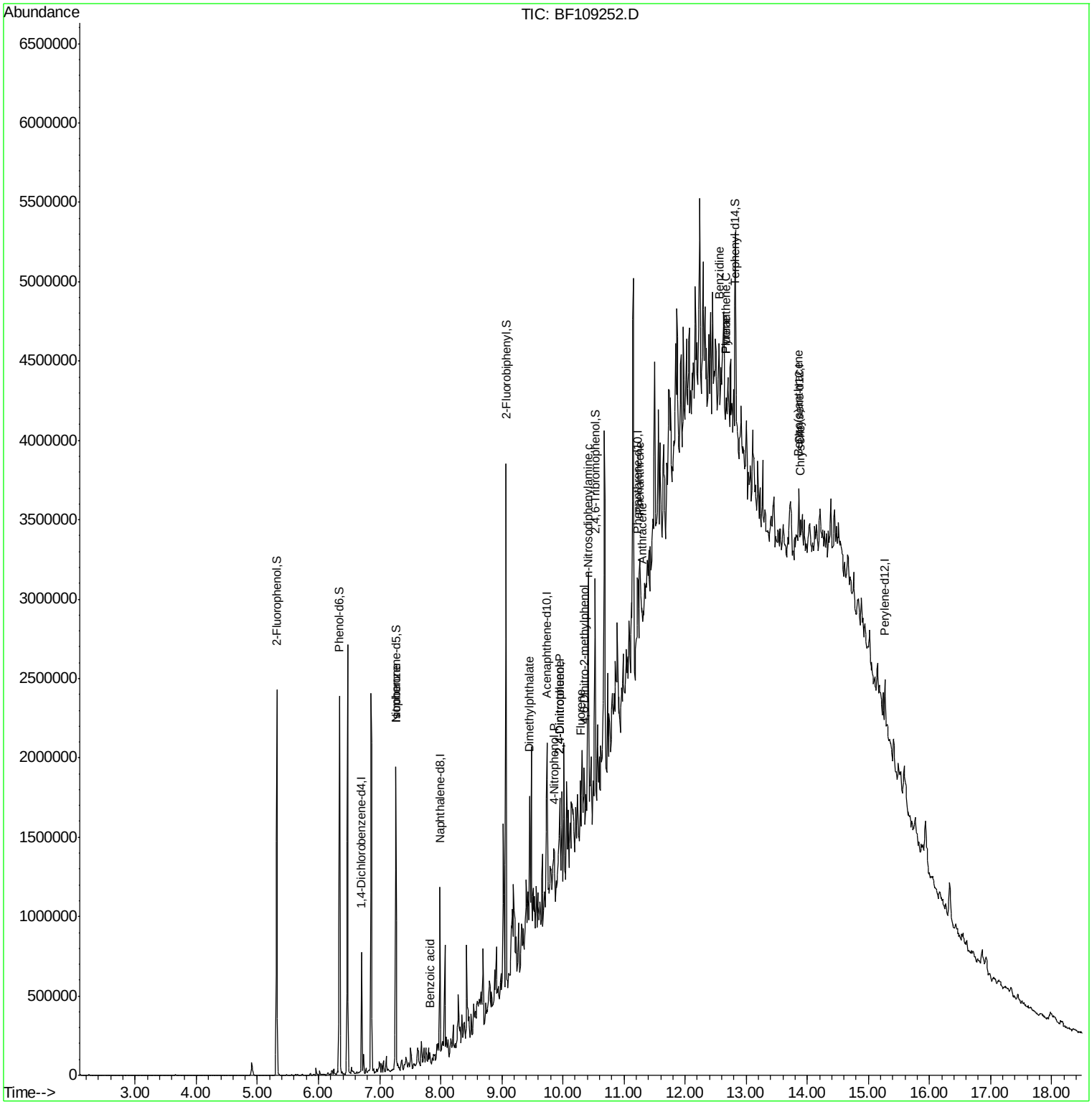
(#) = qualifier out of range (m) = manual integration (+) = signals summed

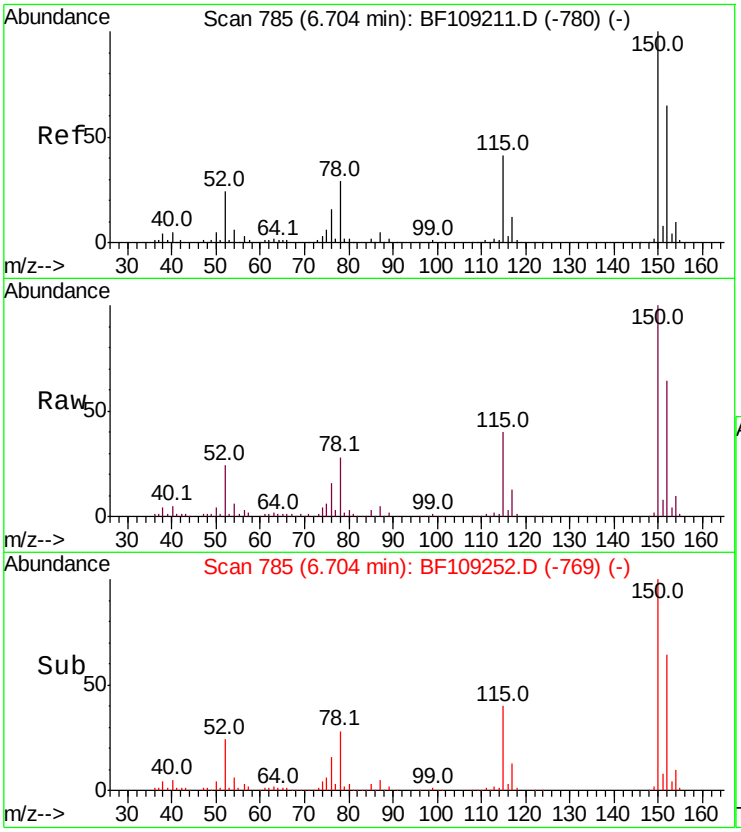
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
Data File : BF109252.D
Acq On : 23 Sep 2018 6:00
Operator : JU/SJ
Sample : J5017-07
Misc :
ALS Vial : 34 Sample Multiplier: 1

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

Quant Time: Sep 24 06:54:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 22 13:32:18 2018
Response via : Initial Calibration



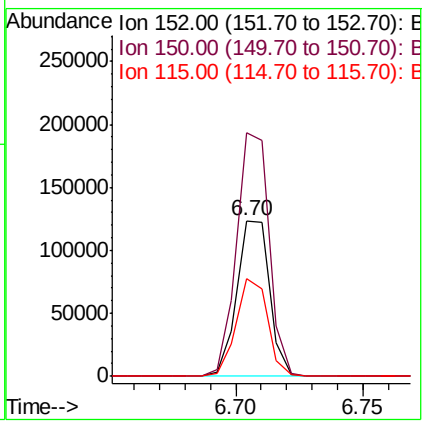


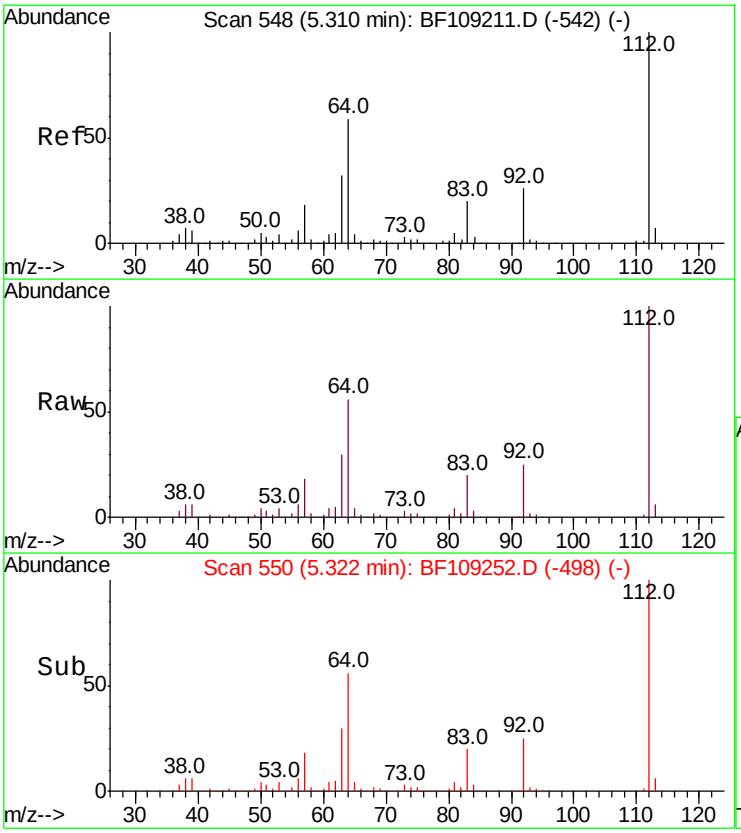

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

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

Tgt Ion:152 Resp: 111098

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.6 | 124.6 | 186.8 |
| 115 | 62.6 | 50.1 | 75.1 |

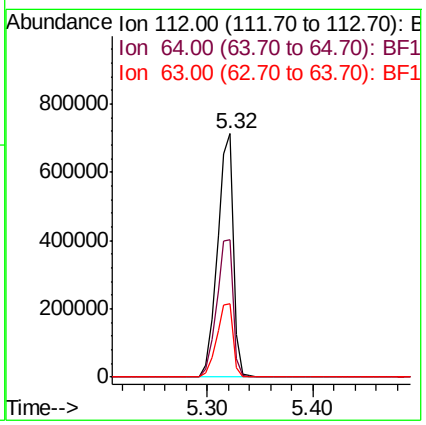


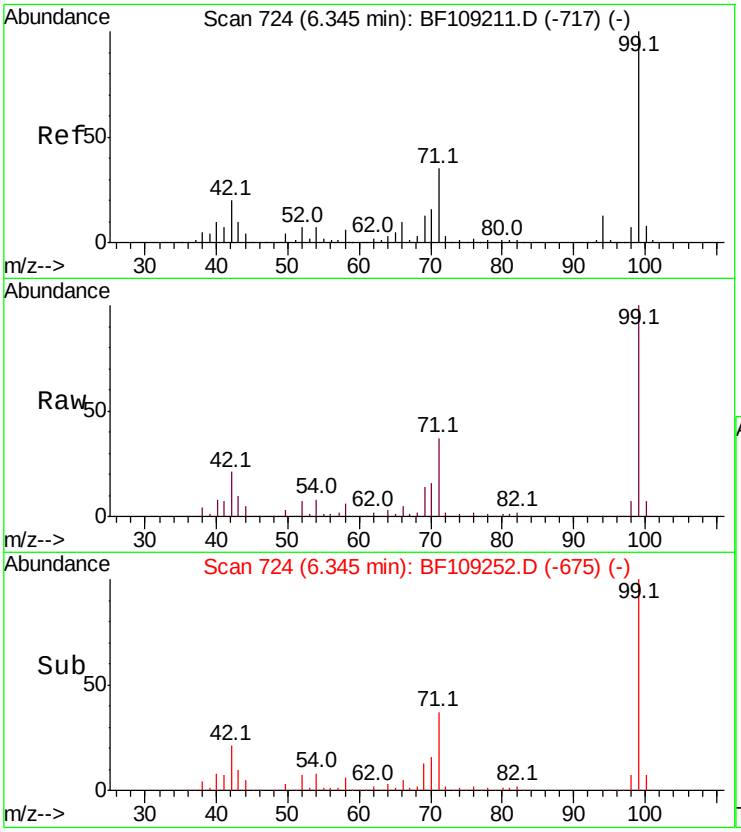




#5
2-Fluorophenol
Concen: 111.843 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Tgt Ion:112 Resp: 754396

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 56.3 | 47.9 | 71.9 |
| 63 | 29.9 | 23.7 | 35.5 |

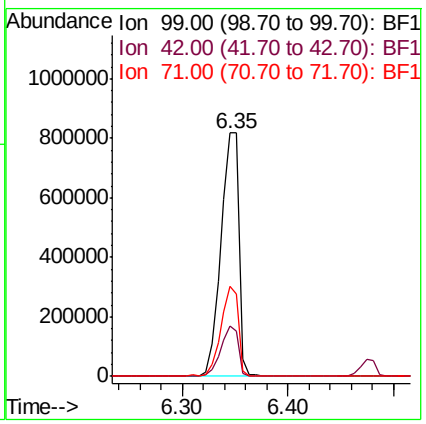




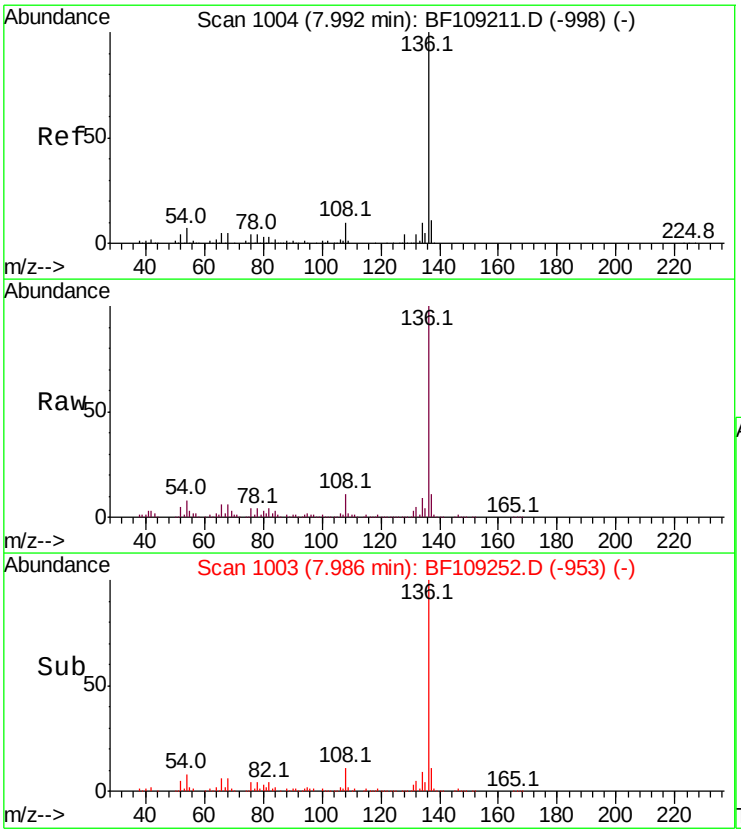

#7
Phenol-d6
Concen: 113.132 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Tgt Ion: 99 Resp: 973736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.9 | 14.5 | 21.7 |
| 71 | 37.2 | 25.4 | 38.0 |



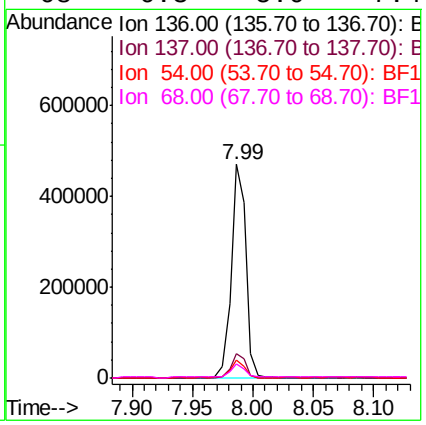

**Instrument :**
BNA_F
**ClientSampleId :**

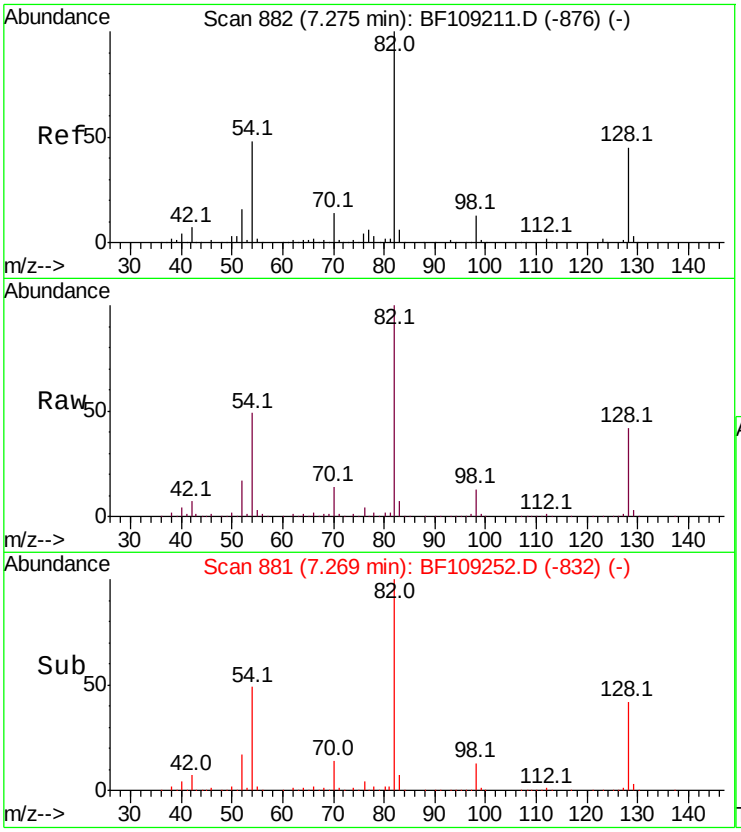



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Tgt Ion:136 Resp: 394217

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.9 | 13.3 |
| 54 | 8.1 | 6.6 | 9.8 |
| 68 | 6.3 | 5.0 | 7.4 |



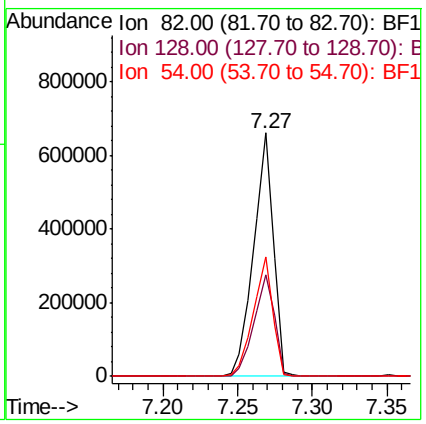


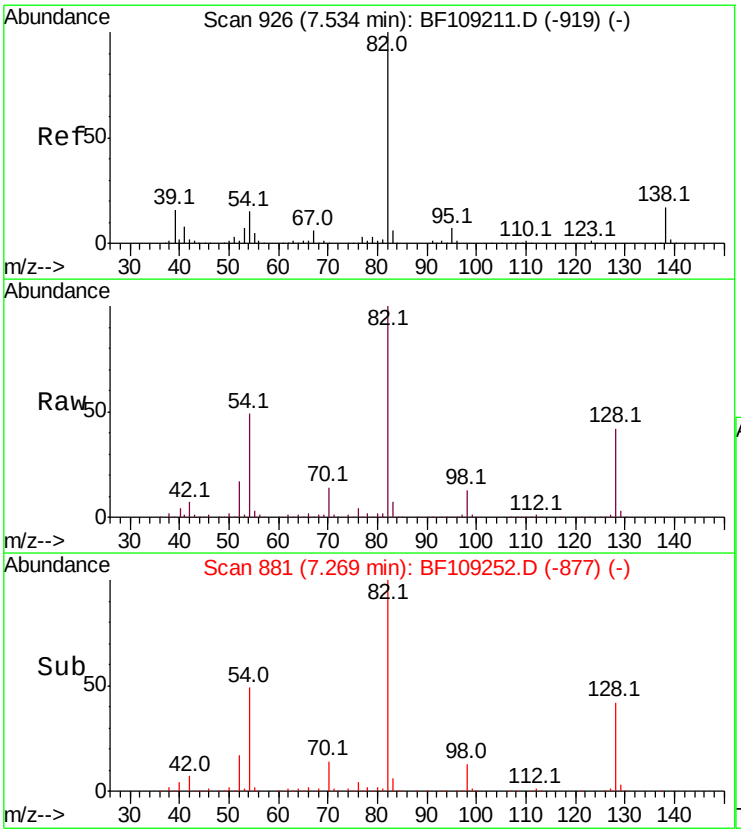

#23
Nitrobenzene-d5
Concen: 90.215 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.01 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

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

Tgt Ion: 82 Resp: 602465

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 41.8 | 36.1 | 54.1 |
| 54 | 49.1 | 41.4 | 62.2 |

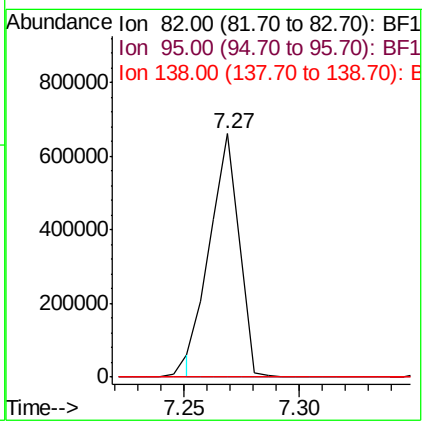


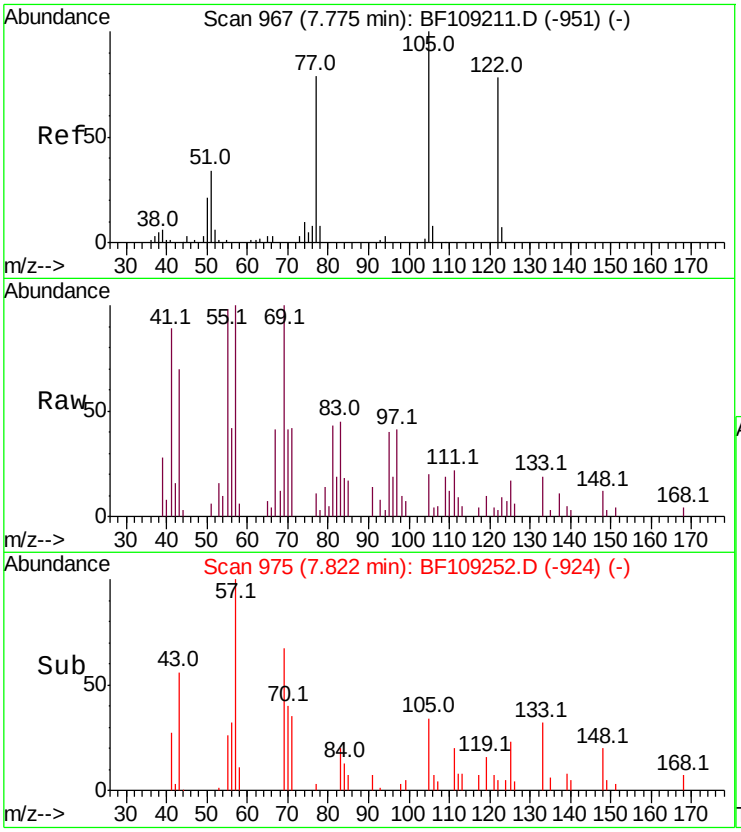




#25
Isophorone
Concen: 47.704 ng
RT: 7.27 min Scan# 881
Delta R.T. -0.28 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Tgt Ion: 82 Resp: 573660

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.2 | 5.2 | 7.8# |
| 138 | 0.0 | 14.9 | 22.3# |



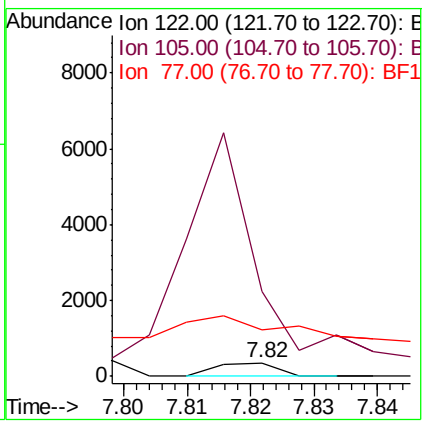


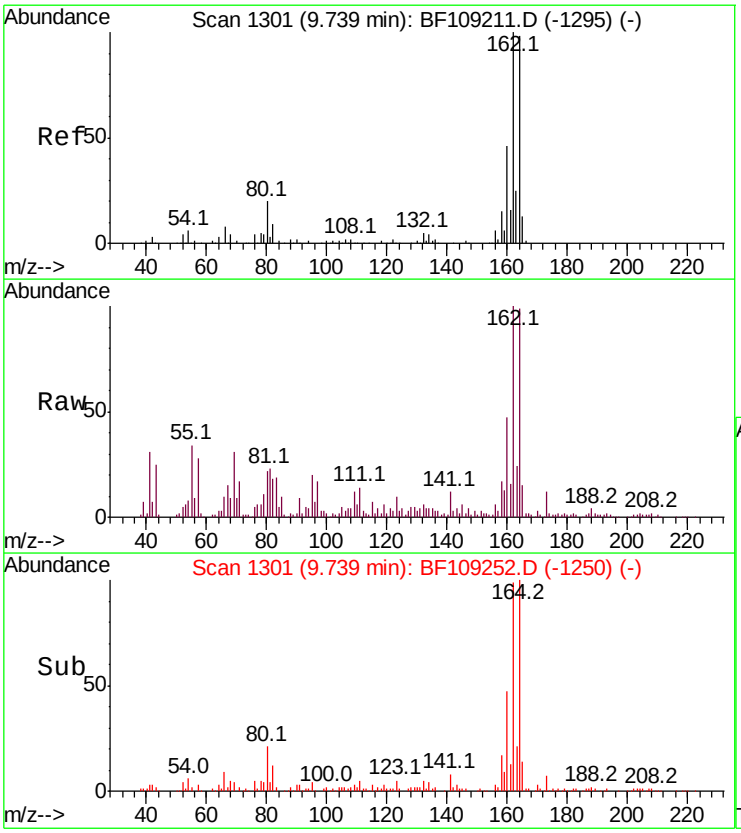

#32
Benzoic acid
Concen: 6.853 ng
RT: 7.82 min Scan# 975
Delta R.T. 0.00 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

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

Tgt Ion:122 Resp: 232

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 641.5 | 101.1 | 141.1# |
| 77 | 351.0 | 70.7 | 110.7# |

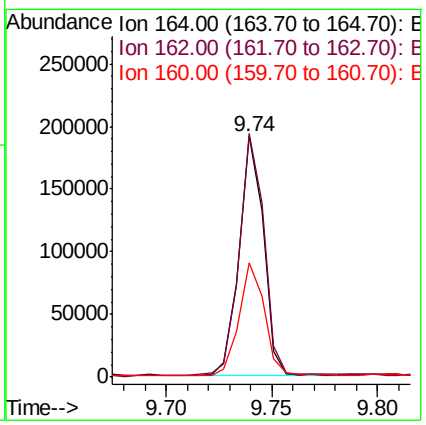


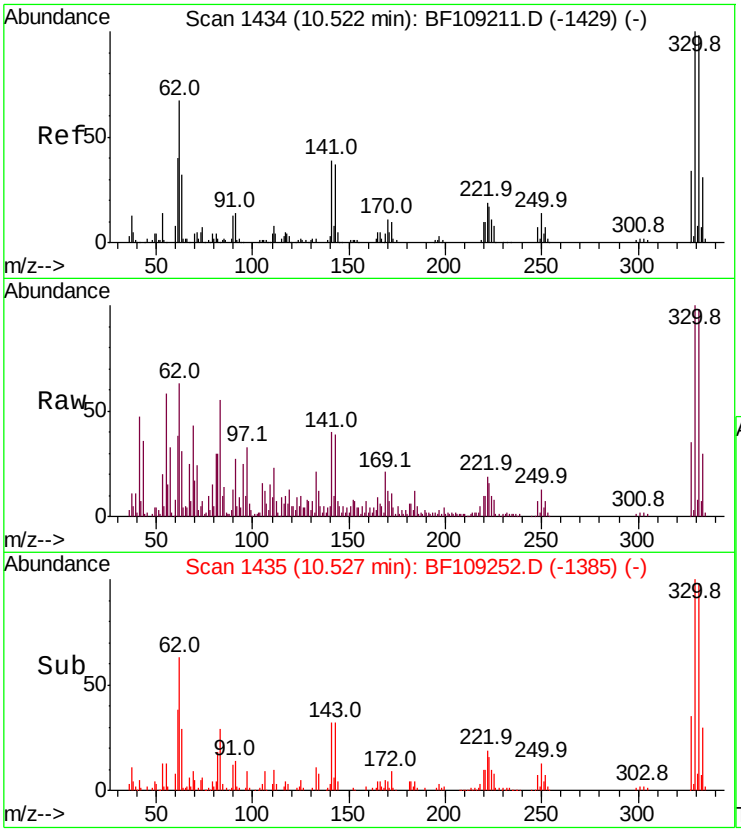




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.00 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Tgt Ion:164 Resp: 151103

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.1 | 86.1 | 129.1 |
| 160 | 47.6 | 38.3 | 57.5 |



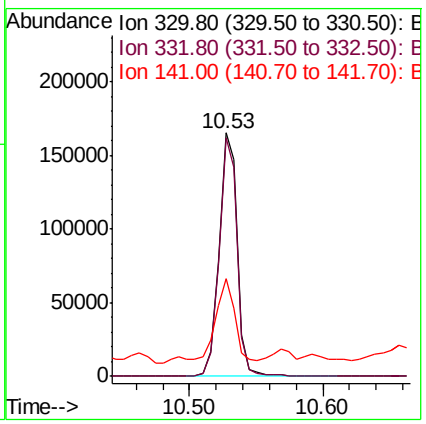


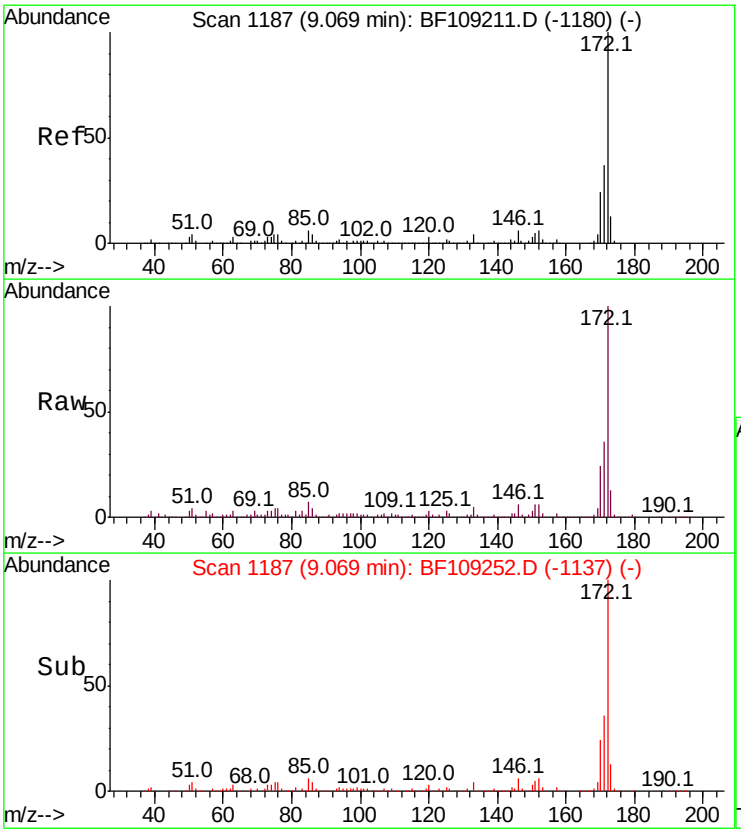

#41
2,4,6-Tribromophenol
Concen: 106.150 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

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

Tgt Ion:330 Resp: 158117

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.0 | 77.0 | 115.6 |
| 141 | 34.7 | 29.9 | 44.9 |

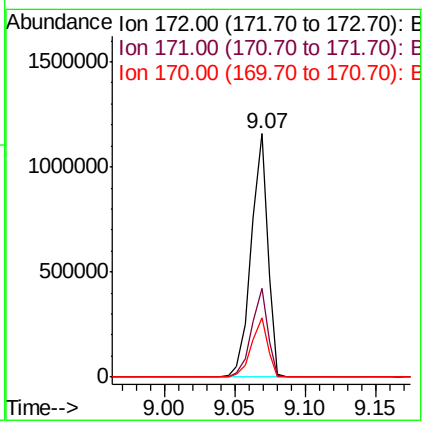


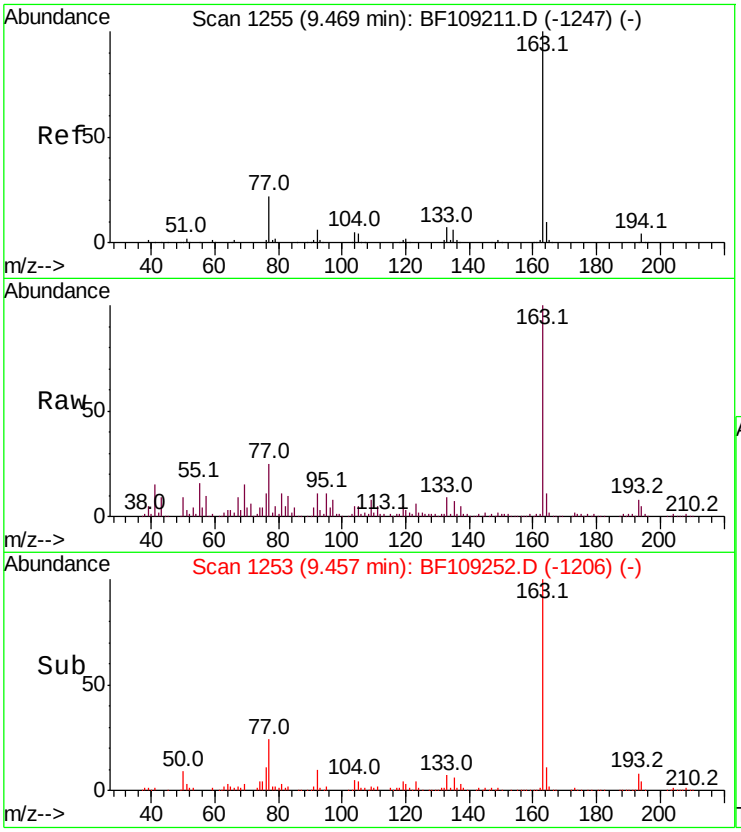




#44
2-Fluorobiphenyl
Concen: 95.837 ng
RT: 9.07 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Tgt Ion:172 Resp: 960171

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 29.7 | 44.5 |
| 170 | 24.3 | 19.6 | 29.4 |



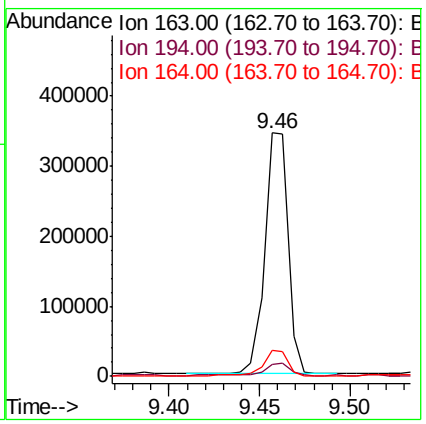


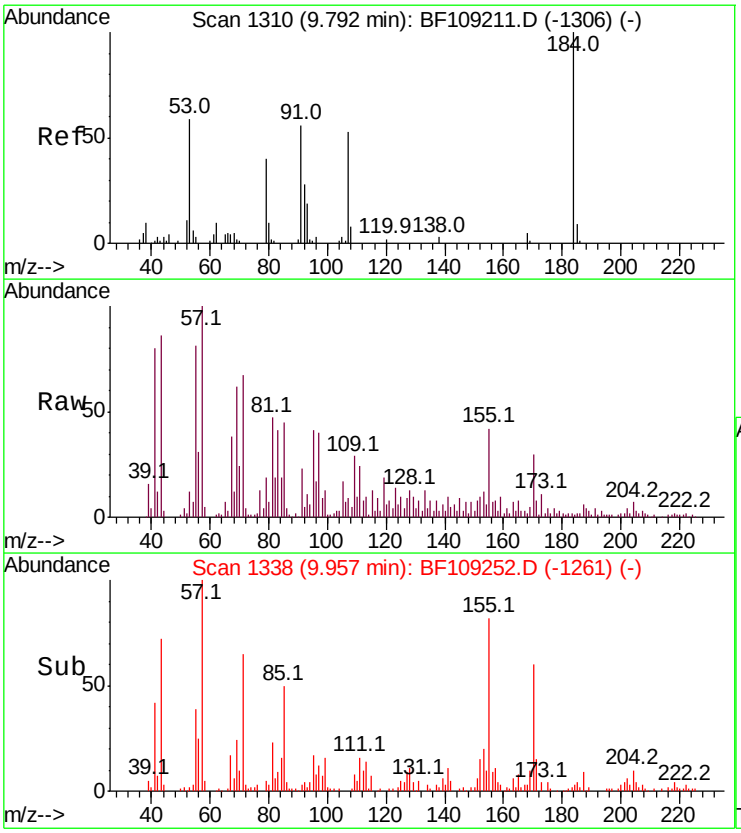

#49
Dimethylphthalate
Concen: 27.963 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

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

Tgt Ion:163 Resp: 307320

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 5.1 | 2.7 | 4.1# |
| 164 | 10.7 | 8.2 | 12.2 |

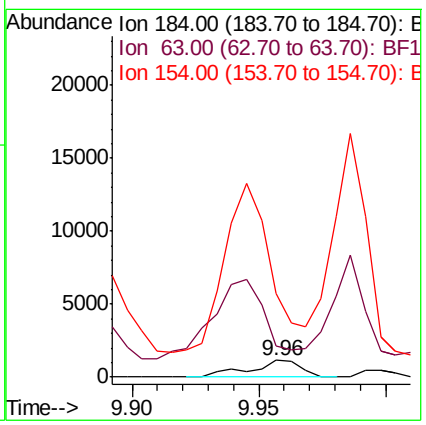


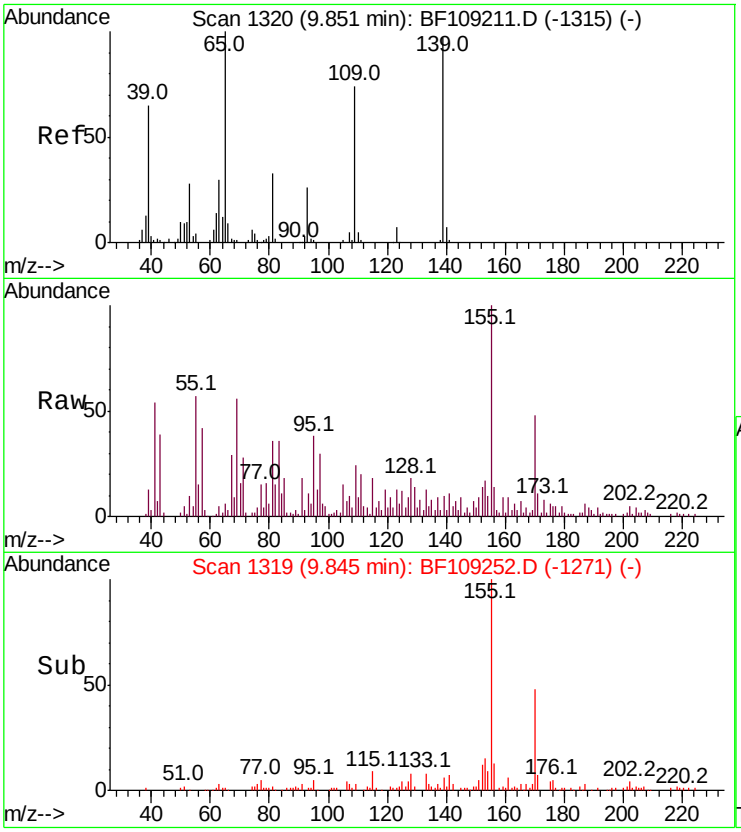




#53
2,4-Dinitrophenol
Concen: 10.349 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.15 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Tgt Ion:184 Resp: 1595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 185.7 | 54.2 | 81.2# |
| 154 | 493.6 | 184.0 | 276.0# |



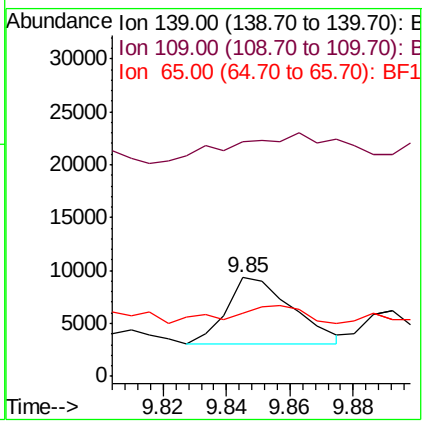


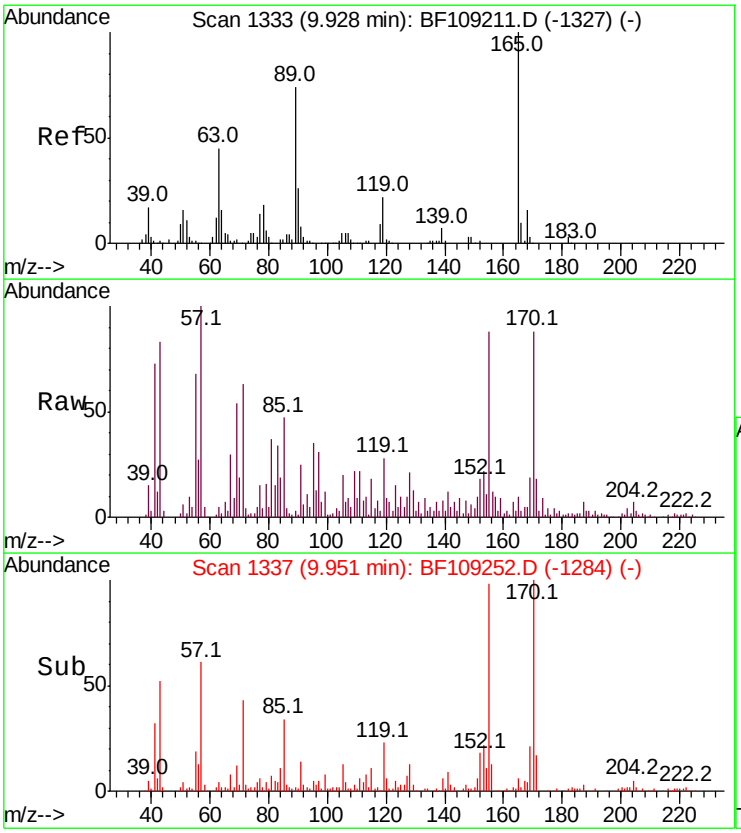

#55
4-Nitrophenol
Concen: 4.681 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

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

Tgt Ion:139 Resp: 8888

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 236.8 | 48.4 | 88.4# |
| 65 | 64.1 | 72.6 | 112.6# |

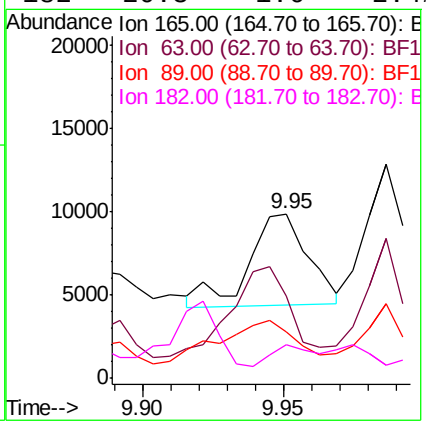


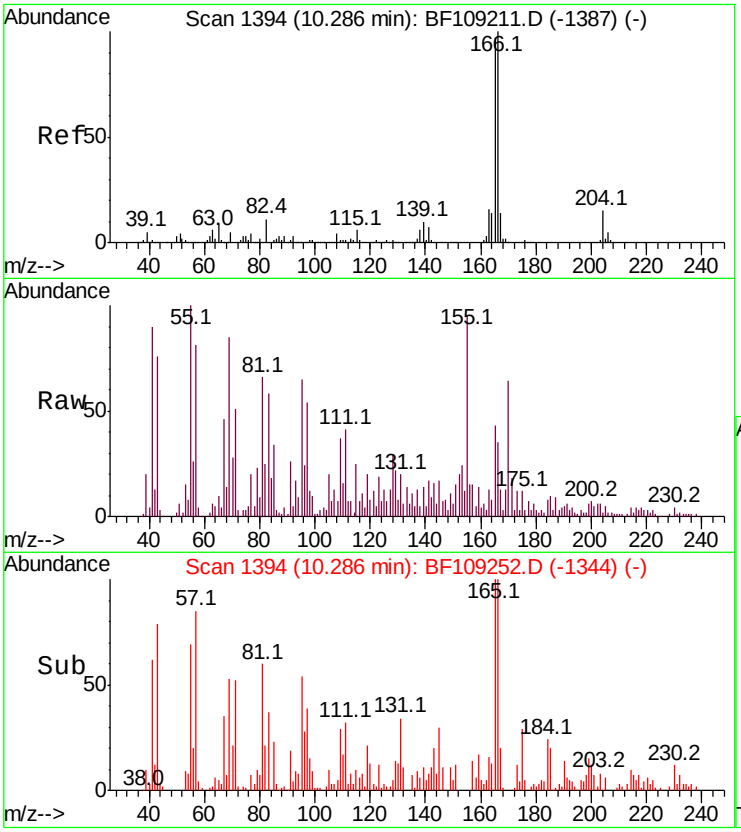




#56
2,4-Dinitrotoluene
Concen: 2.913 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.01 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Tgt Ion:165 Resp: 8023

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 49.8 | 36.4 | 54.6 |
| 89 | 28.1 | 57.8 | 86.6# |
| 182 | 20.3 | 1.6 | 2.4# |



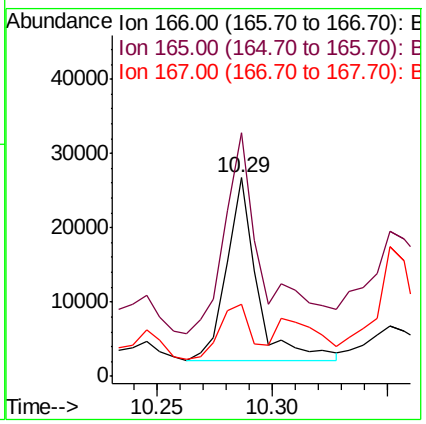


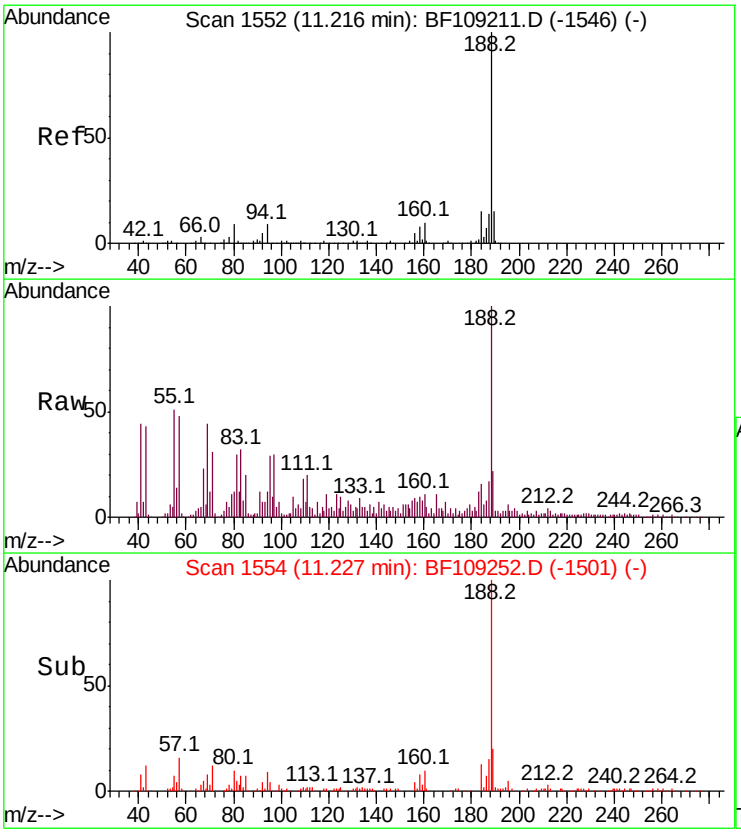

#57
Fluorene
Concen: 2.355 ng
RT: 10.29 min Scan# 1394
Delta R.T. -0.01 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

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

Tgt Ion:166 Resp: 22420

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 122.7 | 79.8 | 119.8# |
| 167 | 36.1 | 10.6 | 16.0# |

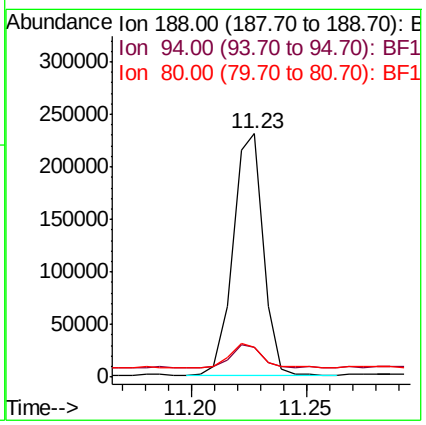


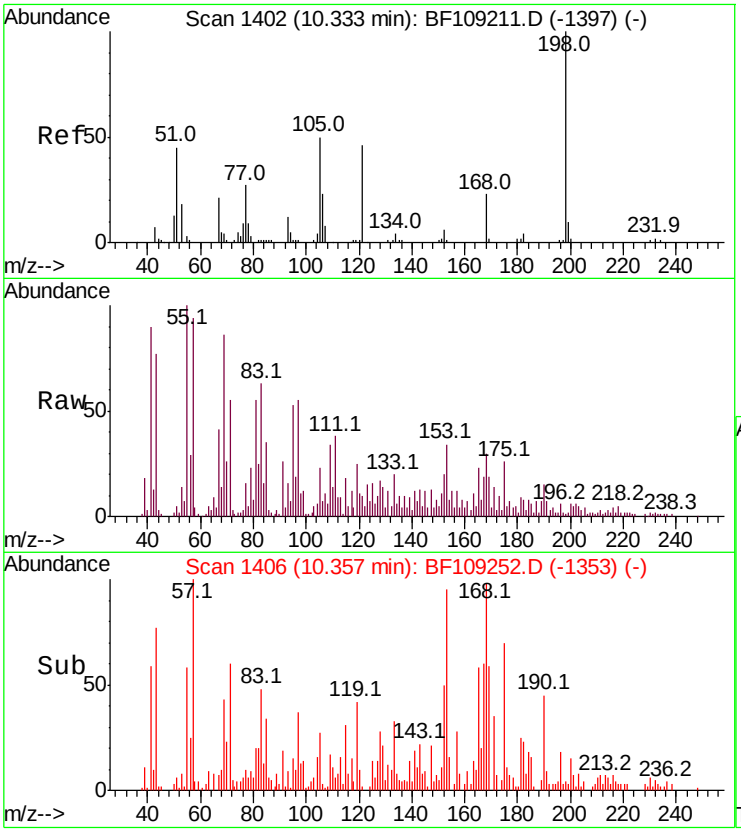




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1554
Delta R.T. 0.01 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Tgt Ion:188 Resp: 207144

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.0 | 8.5 | 12.7 |
| 80 | 12.4 | 9.2 | 13.8 |



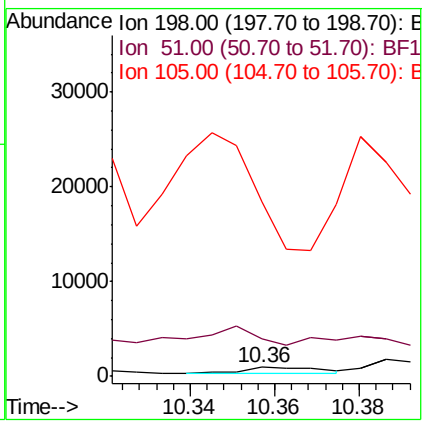


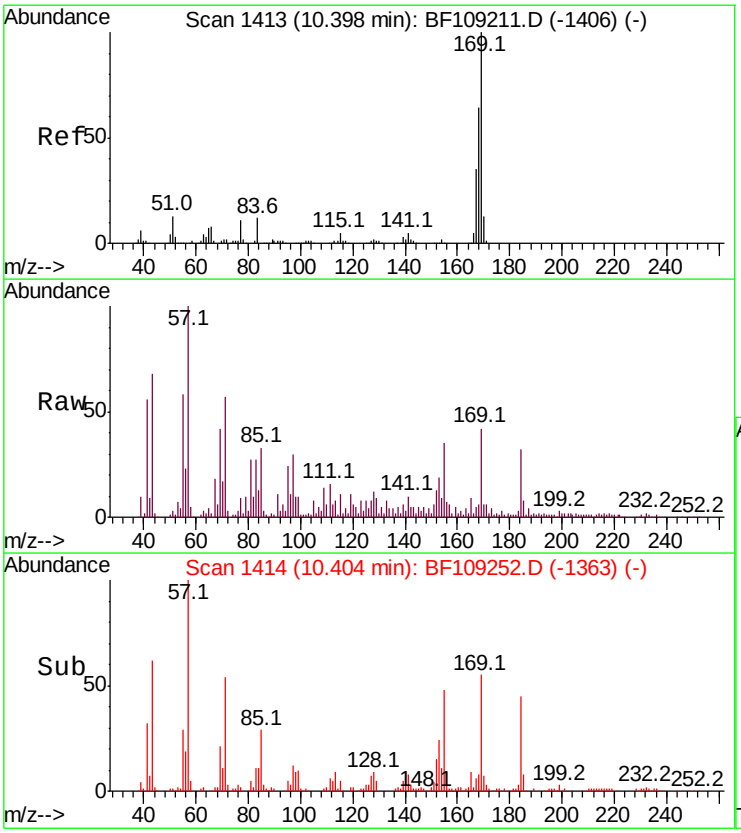

#64
4,6-Dinitro-2-methylphenol
Concen: 7.326 ng
RT: 10.36 min Scan# 1406
Delta R.T. 0.01 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

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

Tgt Ion:198 Resp: 774

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 411.8 | 37.7 | 77.7# |
| 105 | 1941.5 | 36.3 | 76.3# |

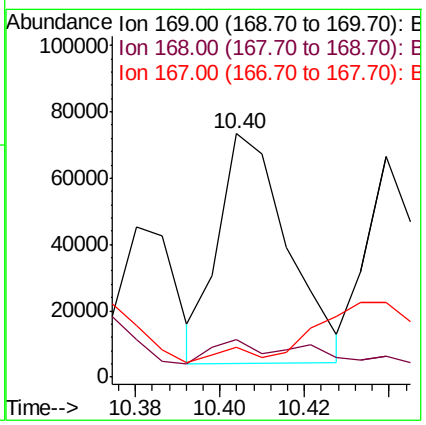


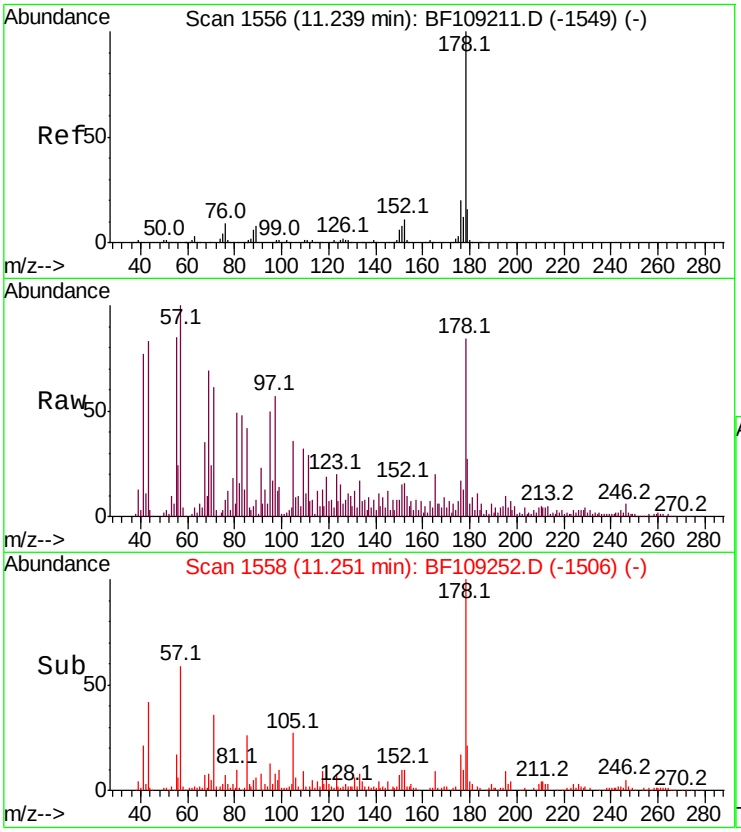




#65
n-Nitrosodiphenylamine
Concen: 11.572 ng
RT: 10.40 min Scan# 1414
Delta R.T. 0.00 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Tgt Ion:169 Resp: 79197

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 169 | 100 | | |
| 168 | 15.3 | 54.4 | 81.6# |
| 167 | 12.2 | 29.8 | 44.6# |



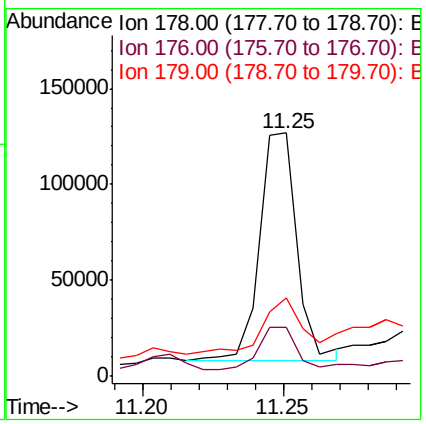


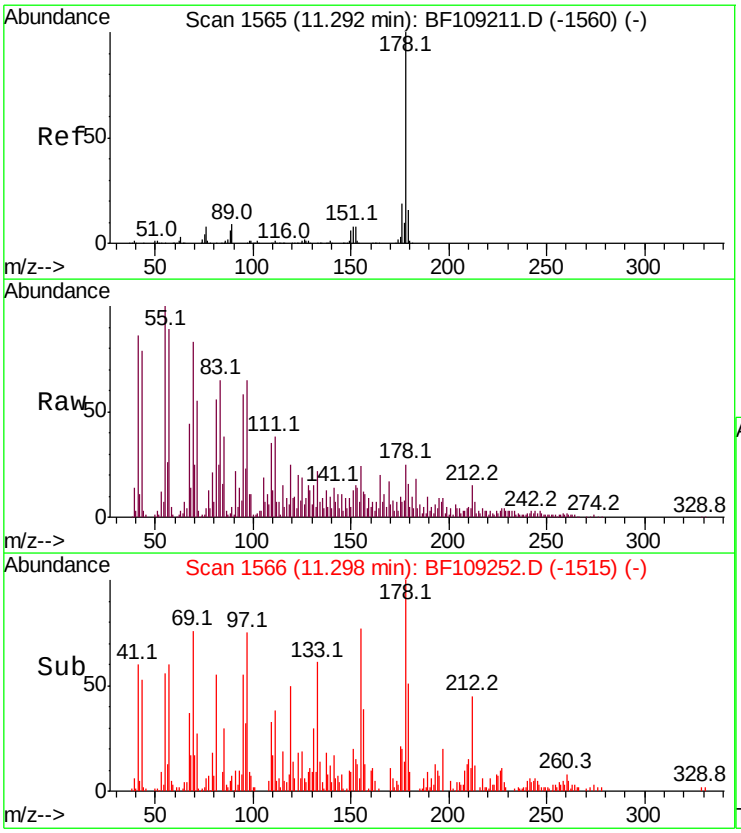

#70
Phenanthrene
Concen: 10.563 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

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

Tgt Ion:178 Resp: 109247

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.4 | 15.8 | 23.8 |
| 179 | 32.3 | 13.0 | 19.6# |

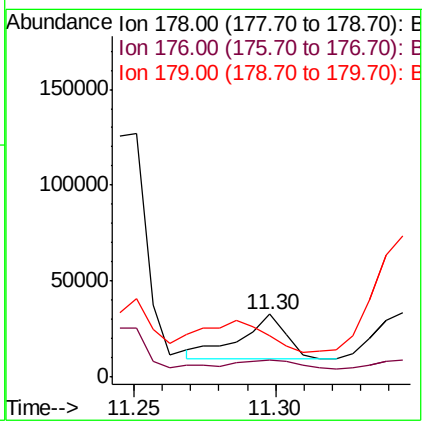


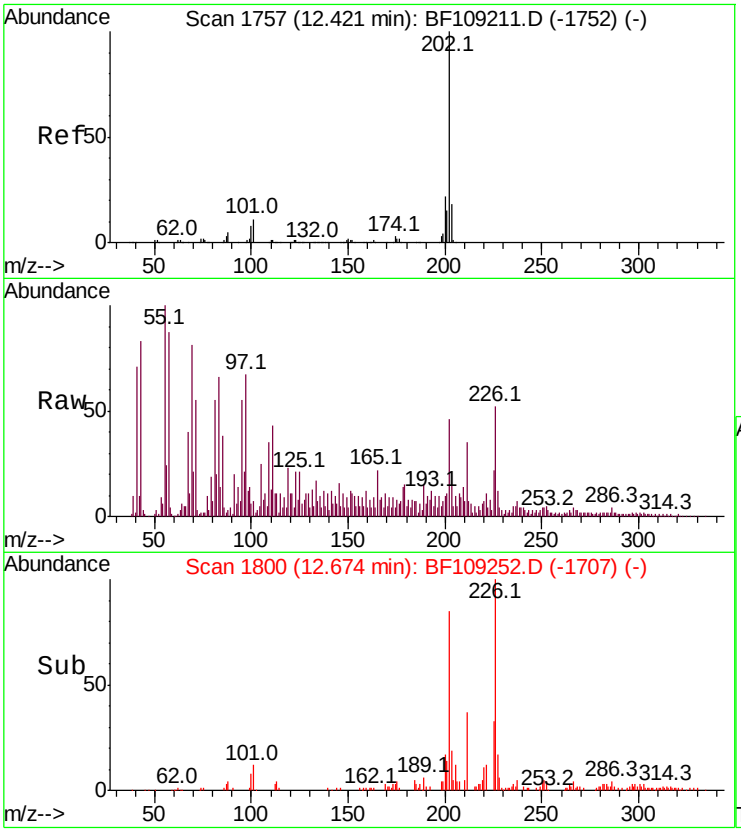




#71
Anthracene
Concen: 2.510 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.00 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Tgt Ion:178 Resp: 26330

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 27.8 | 15.4 | 23.2# |
| 179 | 65.9 | 12.6 | 19.0# |



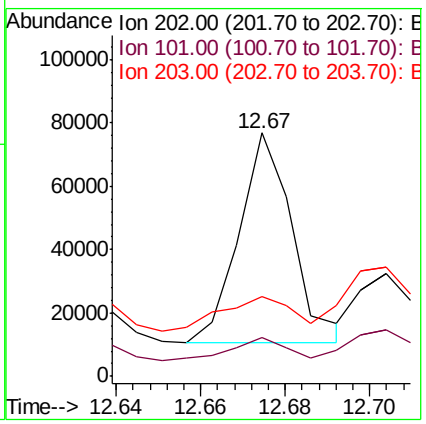


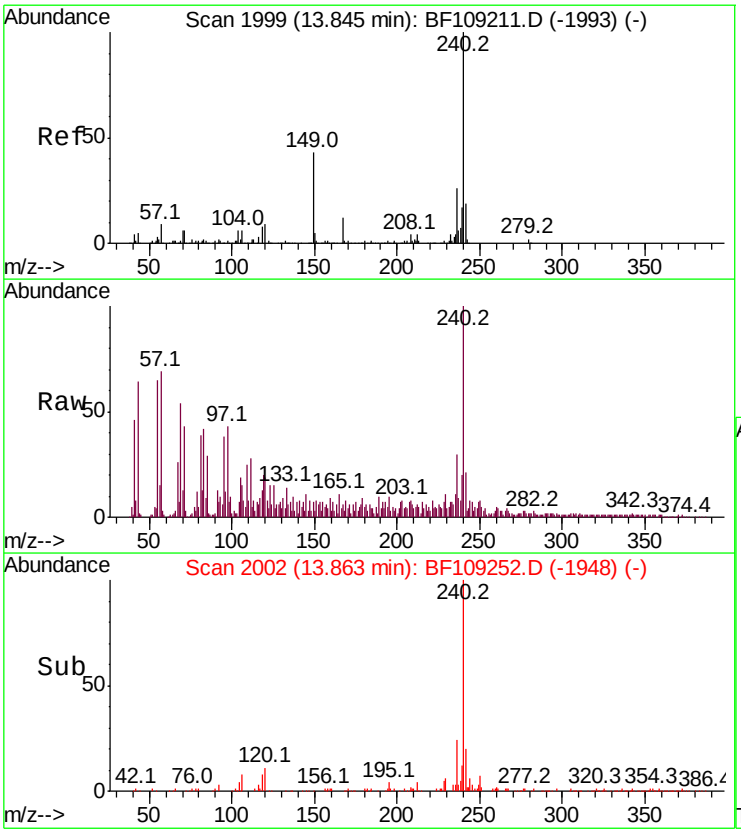

#74
Fluoranthene
Concen: 5.214 ng
RT: 12.67 min Scan# 1800
Delta R.T. 0.25 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

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

Tgt Ion:202 Resp: 57625

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 15.9 | 0.0 | 34.1 |
| 203 | 32.7 | 0.0 | 38.1 |

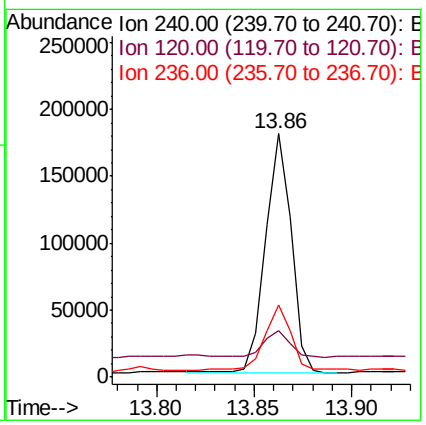


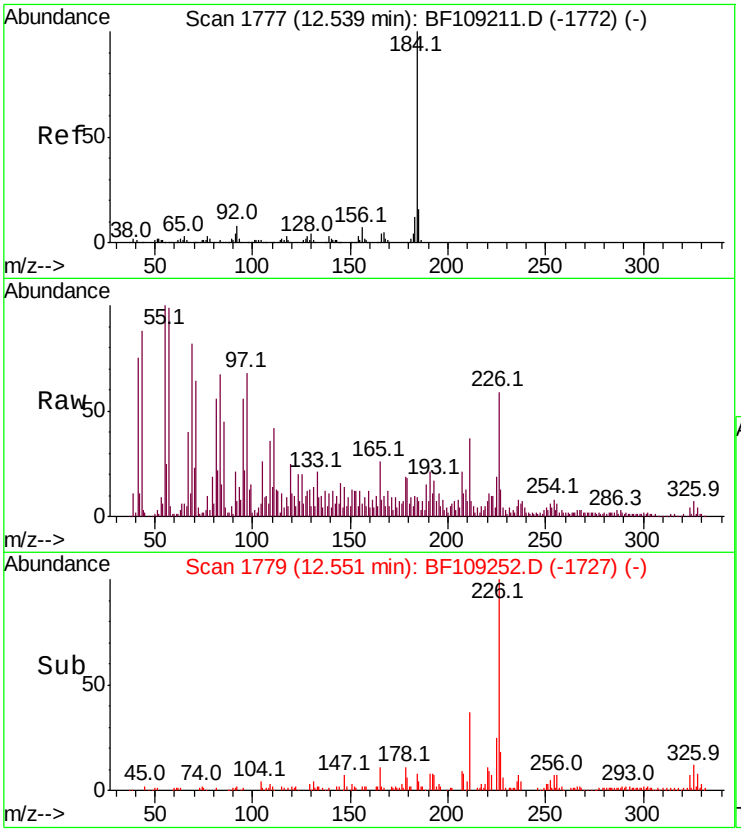




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. 0.02 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Tgt Ion:240 Resp: 162795

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 19.2 | 9.5 | 14.3# |
| 236 | 29.6 | 20.7 | 31.1 |



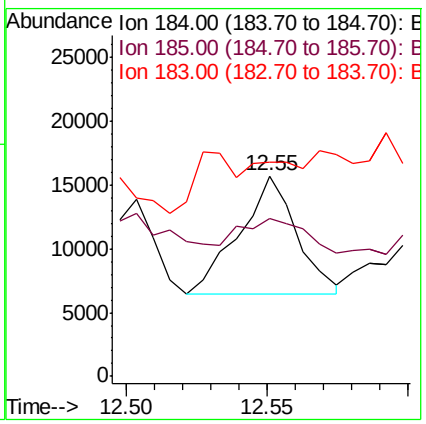


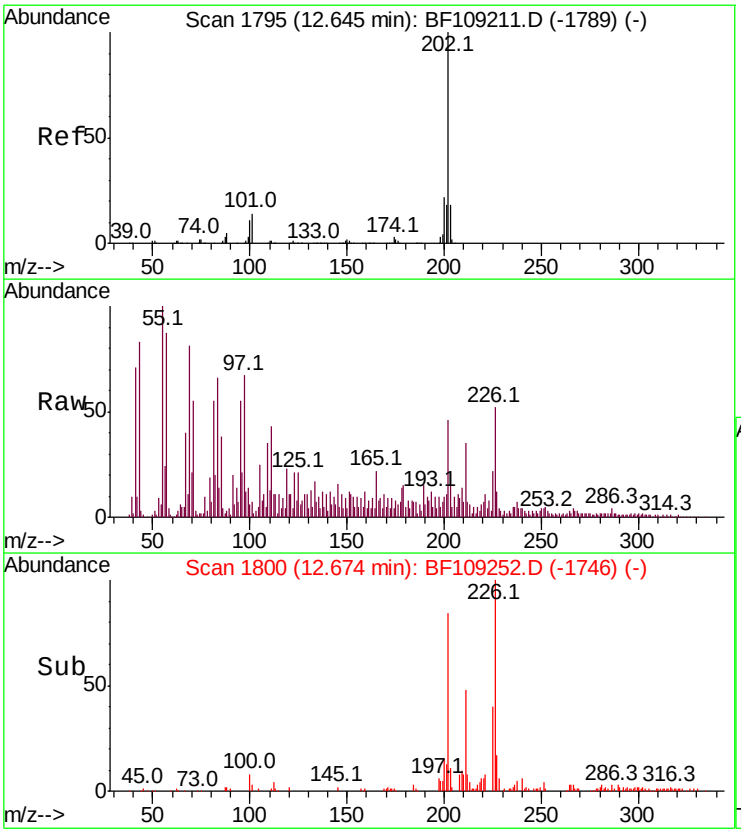

#76
Benzidine
Concen: 2.191 ng
RT: 12.55 min Scan# 1779
Delta R.T. 0.01 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

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

Tgt Ion:184 Resp: 12862

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 185 | 78.7 | 12.6 | 18.8# |
| 183 | 106.9 | 9.3 | 13.9# |

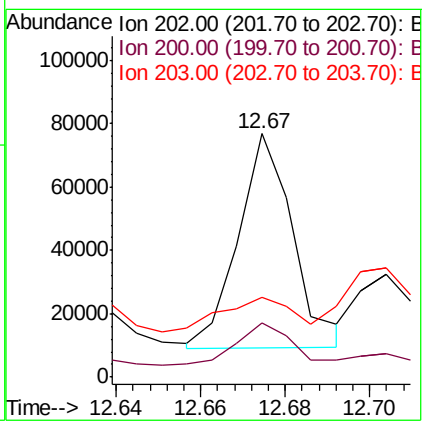


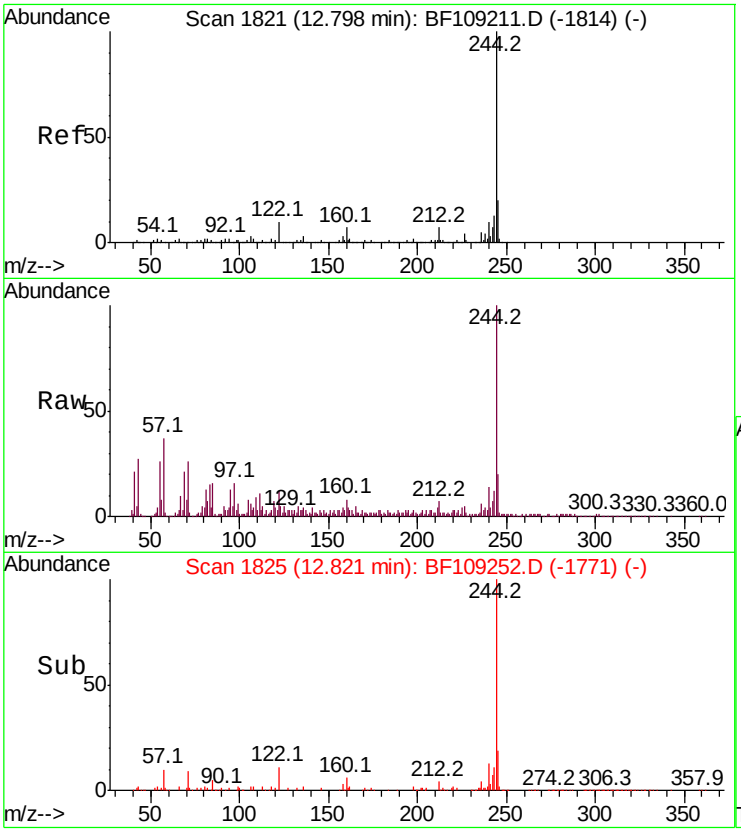




#77
Pyrene
Concen: 5.193 ng
RT: 12.67 min Scan# 1800
Delta R.T. 0.02 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Tgt Ion:202 Resp: 60588

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 22.1 | 17.4 | 26.2 |
| 203 | 32.7 | 14.3 | 21.5# |



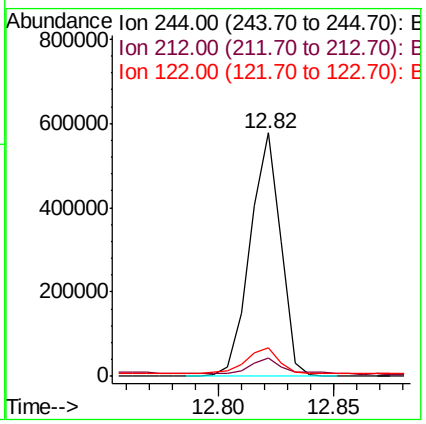


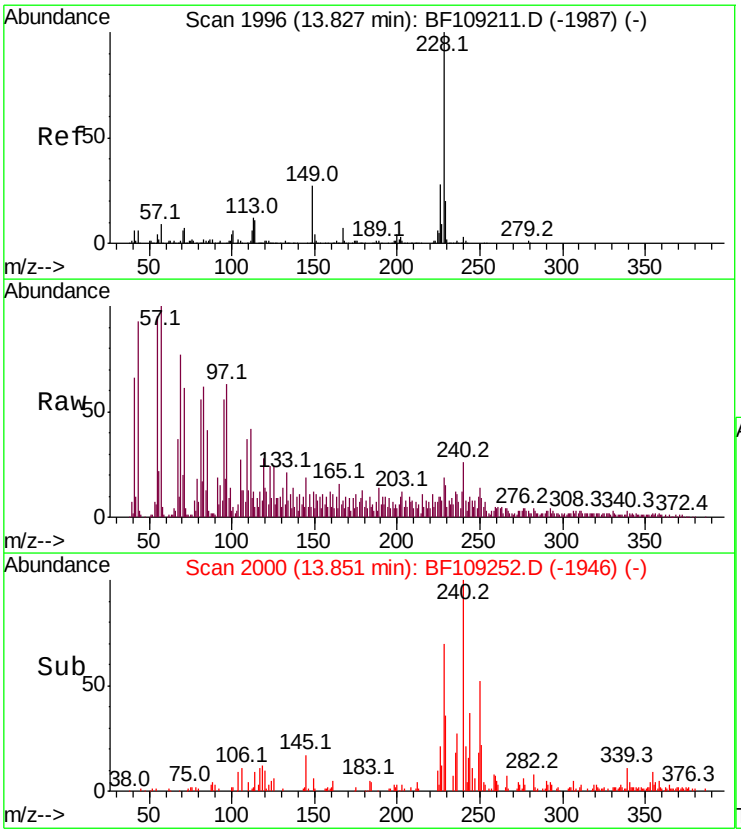

#78
Terphenyl-d14
Concen: 79.873 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.02 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

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

Tgt Ion:244 Resp: 529829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 5.4 | 8.0 |
| 122 | 12.0 | 11.0 | 16.4 |

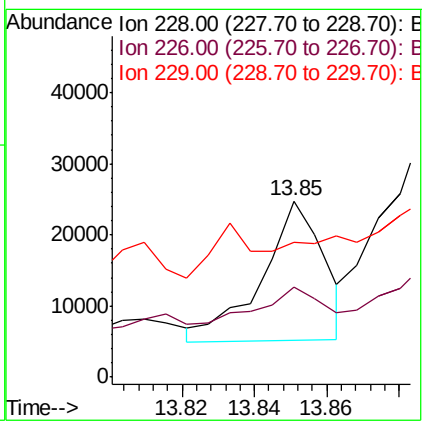


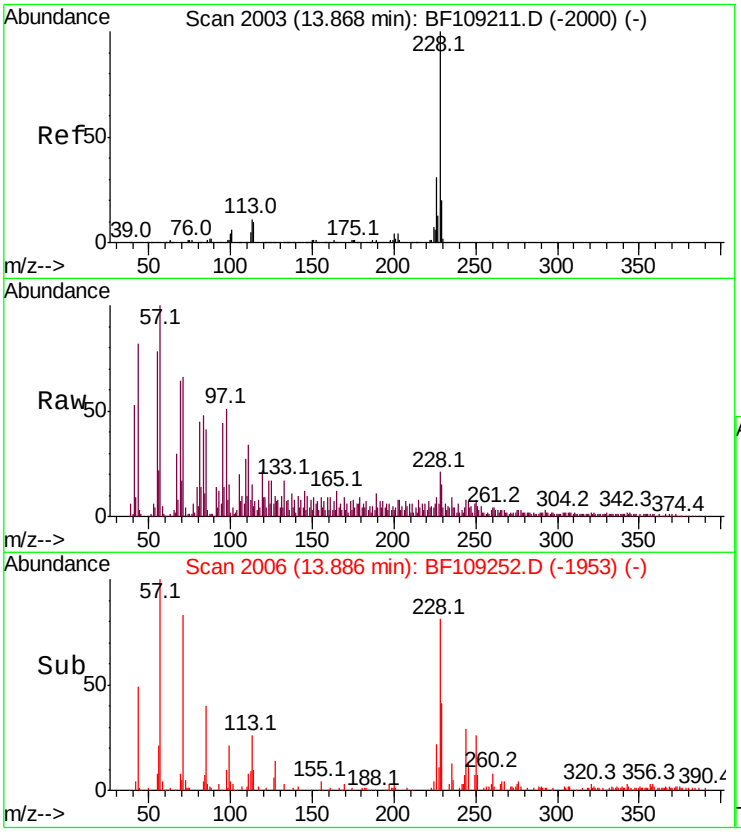




#80
Benzo(a)anthracene
Concen: 2.388 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.02 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Tgt Ion:228 Resp: 23418

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 51.2 | 22.6 | 33.8# |
| 229 | 76.2 | 15.8 | 23.6# |



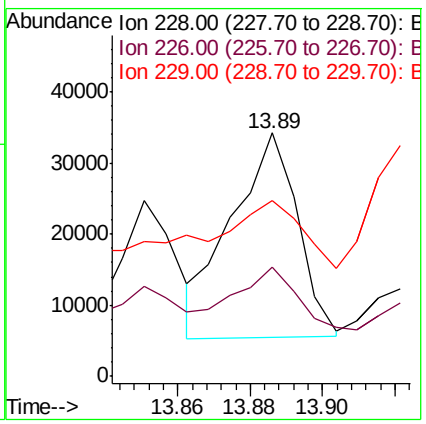


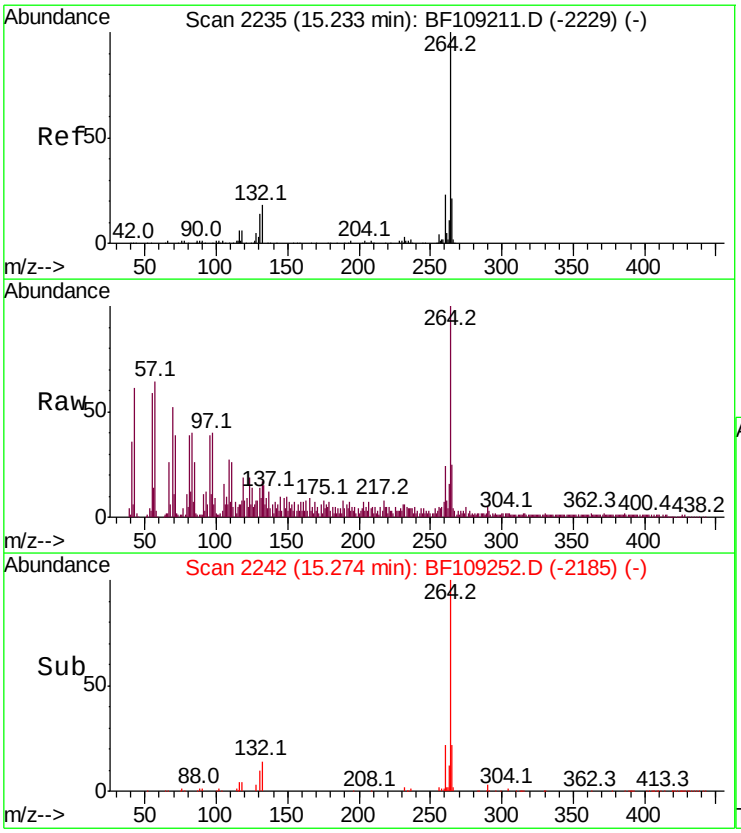

#82
Chrysene
Concen: 3.745 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.01 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

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

Tgt Ion:228 Resp: 36398

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 44.7 | 25.0 | 37.6# |
| 229 | 72.1 | 16.2 | 24.4# |




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.04 min
Lab File: BF109252.D
Acq: 23 Sep 2018 6:00

Tgt Ion:264 Resp: 151237

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.4 | 19.2 | 28.8 |
| 265 | 24.9 | 17.5 | 26.3 |