Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051719\
Data File : BF114373.D
Acq On : 18 May 2019 2:29
Operator : JU/SJ
Sample : K2894-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

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

Quant Time: May 18 05:08:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.85 | 152 | 252747 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.13 | 136 | 943638 | 20.00 | ng | | 0.00 |
| 39) Acenaphthene-d10 | 9.89 | 164 | 407885 | 20.00 | ng | | 0.00 |
| 64) Phenanthrene-d10 | 11.37 | 188 | 672415 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 14.02 | 240 | 418819 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.49 | 264 | 316015 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.49 | 112 | 1287089 | 81.95 | ng | | 0.00 |
| 7) Phenol-d6 | 6.50 | 99 | 1674061 | 90.12 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.41 | 82 | 597570 | 35.54 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.68 | 330 | 188281 | 44.65 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.20 | 172 | 1628763 | 60.40 | ng | | 0.00 |
| 79) Terphenyl-d14 | 12.96 | 244 | 1081184 | 53.22 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.41 | 70 | 79751 | 6.773 | ng | # | 73 |
| 25) Isophorone | 7.41 | 82 | 597561 | 19.162 | ng | # | 64 |
| 32) Benzoic acid | 8.13 | 122 | 109 | 7.031 | ng | # | 1 |
| 50) Dimethylphthalate | 9.60 | 163 | 256216 | 8.557 | ng | | 99 |
| 57) 2,4-Dinitrotoluene | 9.89 | 165 | 54738 | 6.072 | ng | # | 25 |
| 71) Phenanthrene | 11.40 | 178 | 179780 | 5.496 | ng | | 98 |
| 72) Anthracene | 11.45 | 178 | 67943 | 2.068 | ng | | 98 |
| 75) Fluoranthene | 12.59 | 202 | 370859 | 10.527 | ng | | 97 |
| 78) Pyrene | 12.82 | 202 | 348566 | 10.346 | ng | | 98 |
| 81) Benzo(a)anthracene | 14.00 | 228 | 170915 | 6.309 | ng | | 98 |
| 83) Chrysene | 14.04 | 228 | 161656 | 6.088 | ng | | 99 |
| 86) Indeno(1,2,3-cd)pyrene | 16.98 | 276 | 63350 | 2.699 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 15.06 | 252 | 235935 | 11.654 | ng | # | 77 |
| 89) Benzo(k)fluoranthene | 15.06 | 252 | 235935 | 12.686 | ng | # | 78 |
| 90) Benzo(a)pyrene | 15.43 | 252 | 136252 | 7.647 | ng | # | 78 |
| 92) Benzo(g,h,i)perylene | 17.43 | 276 | 54183 | 3.652 | ng | # | 79 |

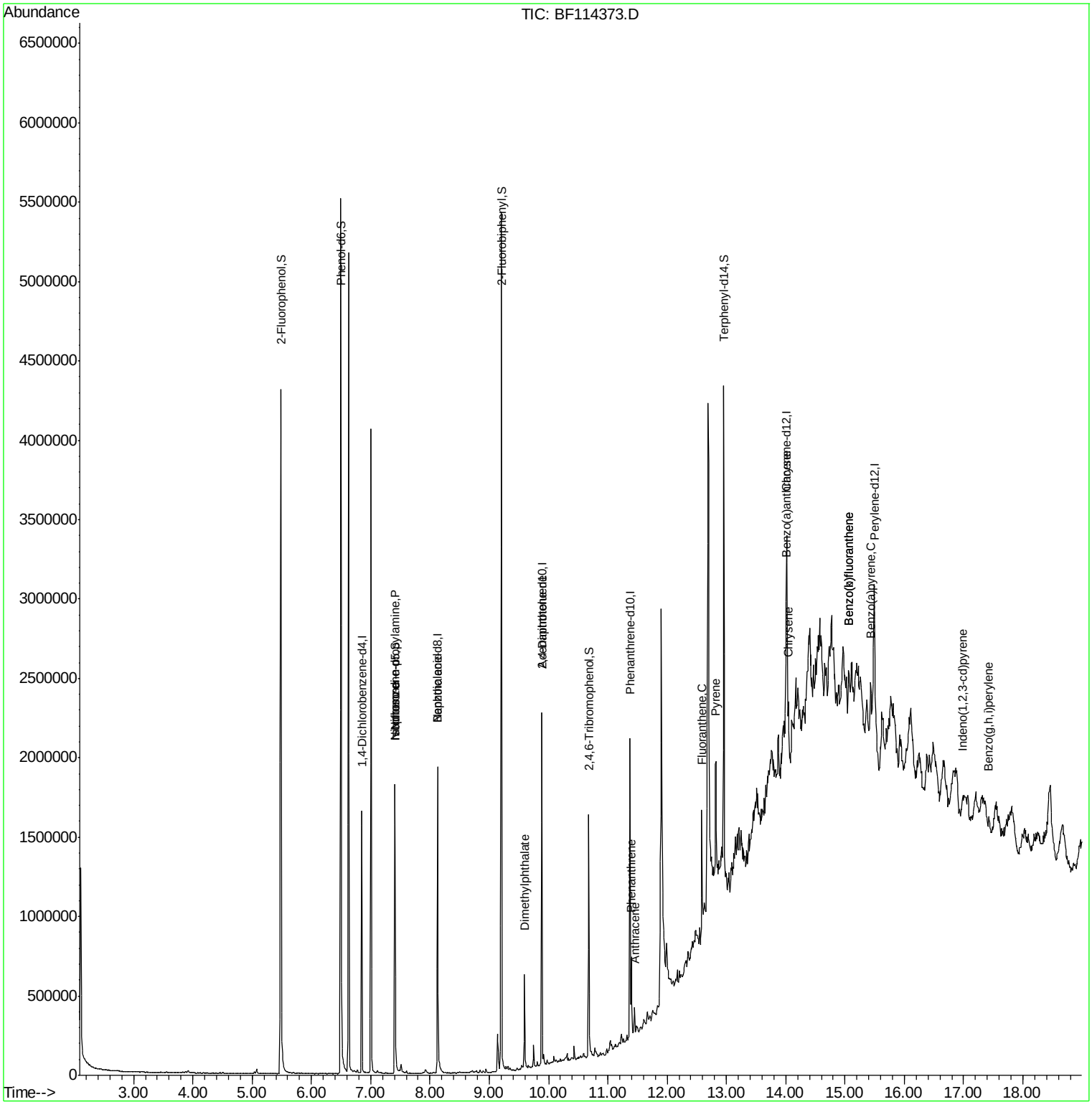
(#) = qualifier out of range (m) = manual integration (+) = signals summed

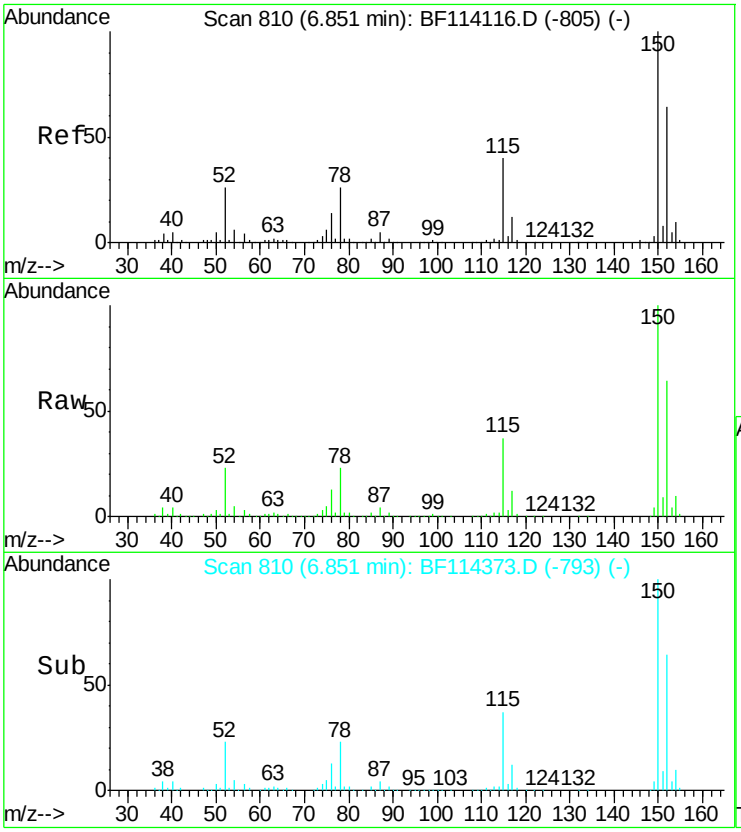
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051719\
Data File : BF114373.D
Acq On : 18 May 2019 2:29
Operator : JU/SJ
Sample : K2894-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

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

Quant Time: May 18 05:08:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 10 15:56:46 2019
Response via : Initial Calibration



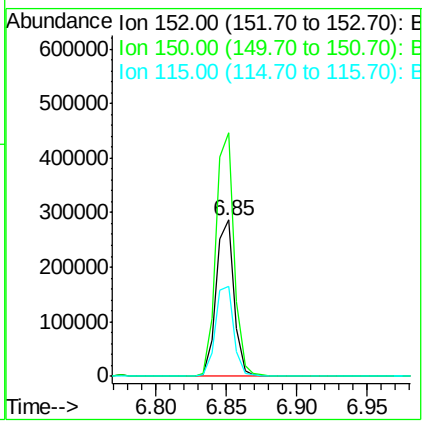


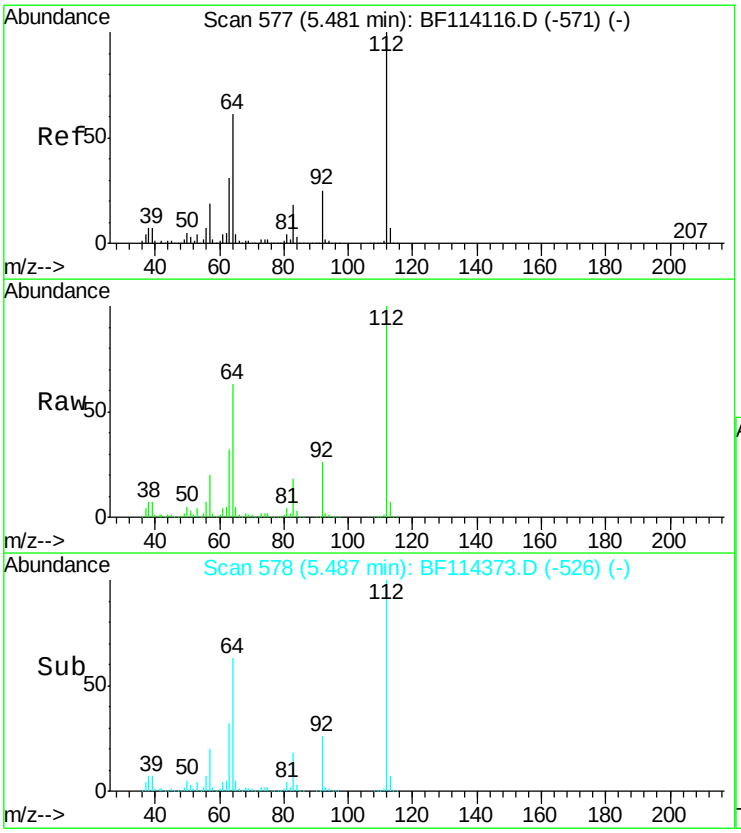

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

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

Tgt Ion:152 Resp: 252747

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.7 | 124.3 | 186.5 |
| 115 | 57.3 | 49.1 | 73.7 |

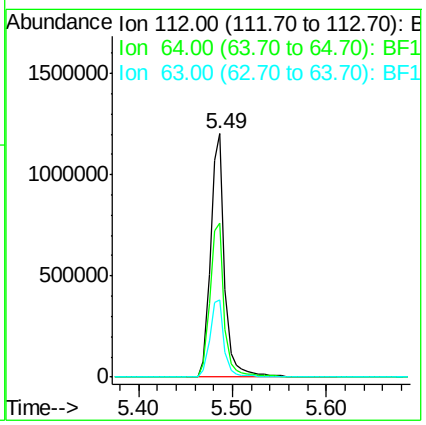


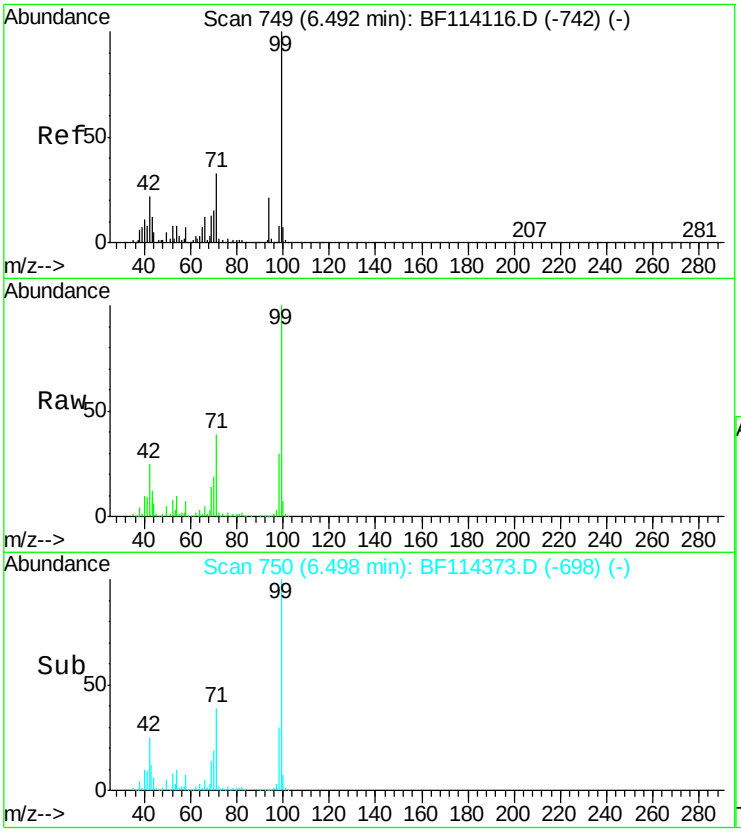




#5
2-Fluorophenol
Concen: 81.950 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

Tgt Ion:112 Resp: 1287089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 63.3 | 49.0 | 73.6 |
| 63 | 31.9 | 24.6 | 37.0 |



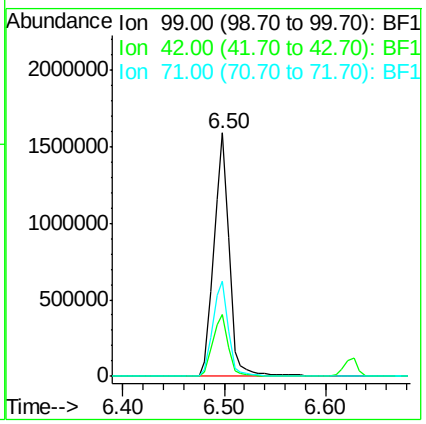


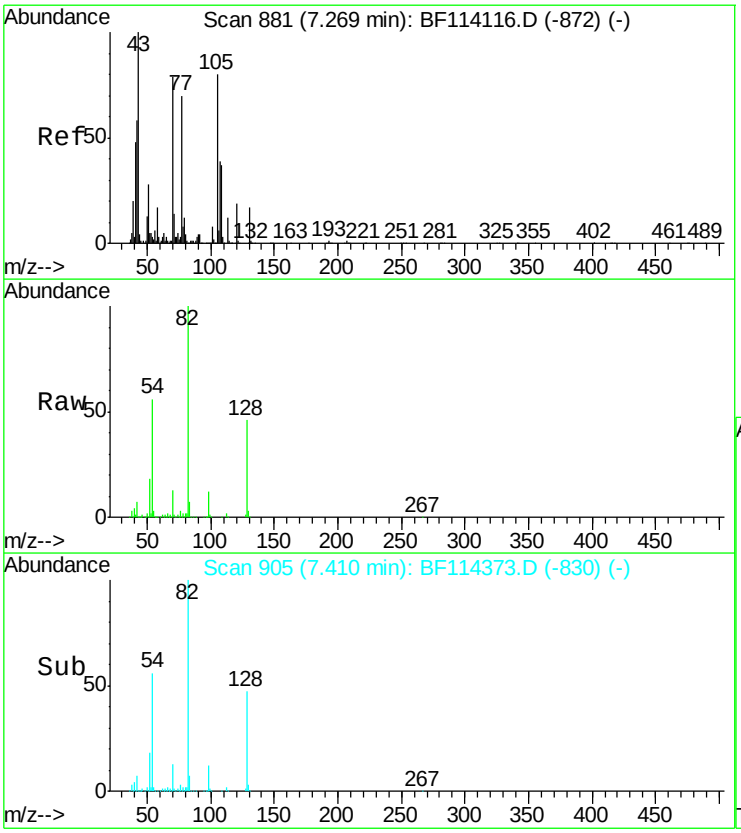

#7
Phenol-d6
Concen: 90.121 ng
RT: 6.50 min Scan# 750
Delta R.T. 0.01 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

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

Tgt Ion: 99 Resp: 1674061

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 25.3 | 17.9 | 26.9 |
| 71 | 38.9 | 26.2 | 39.2 |

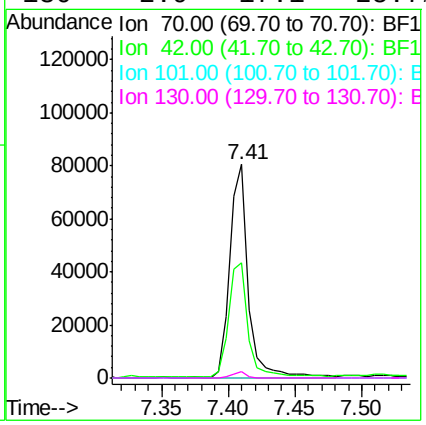


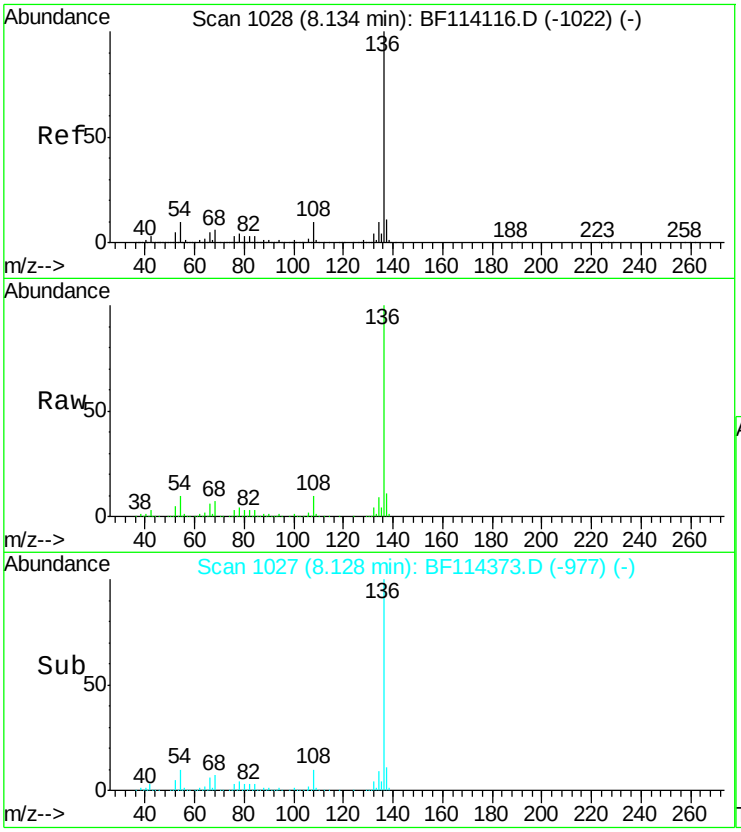




#19
n-Nitroso-di-n-propylamine
Concen: 6.773 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.14 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

Tgt Ion: 70 Resp: 79751

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 53.9 | 58.6 | 87.8# |
| 101 | 0.0 | 7.8 | 11.8# |
| 130 | 2.9 | 17.1 | 25.7# |



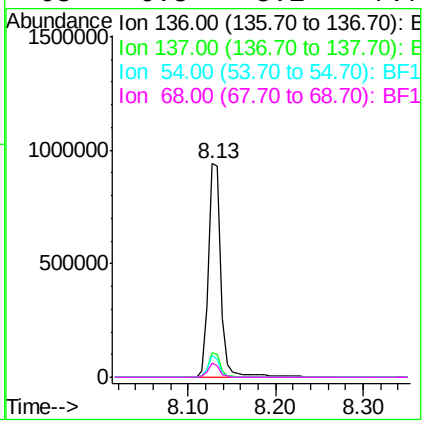


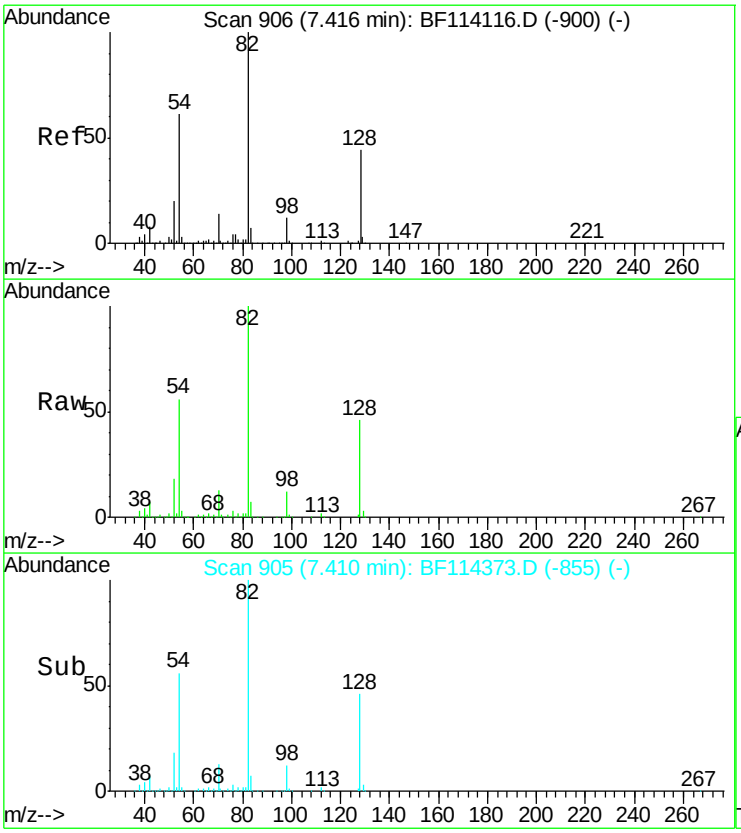

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

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

Tgt Ion:136 Resp: 943638

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.4 | 8.8 | 13.2 |
| 54 | 10.2 | 7.8 | 11.8 |
| 68 | 6.8 | 5.1 | 7.7 |

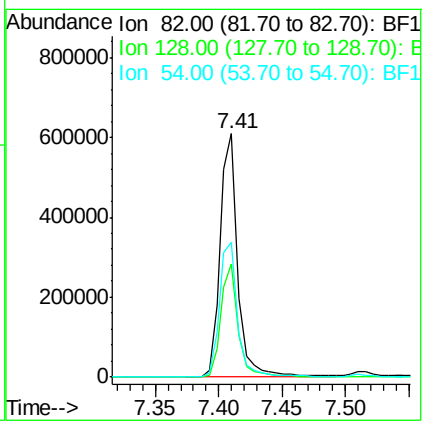


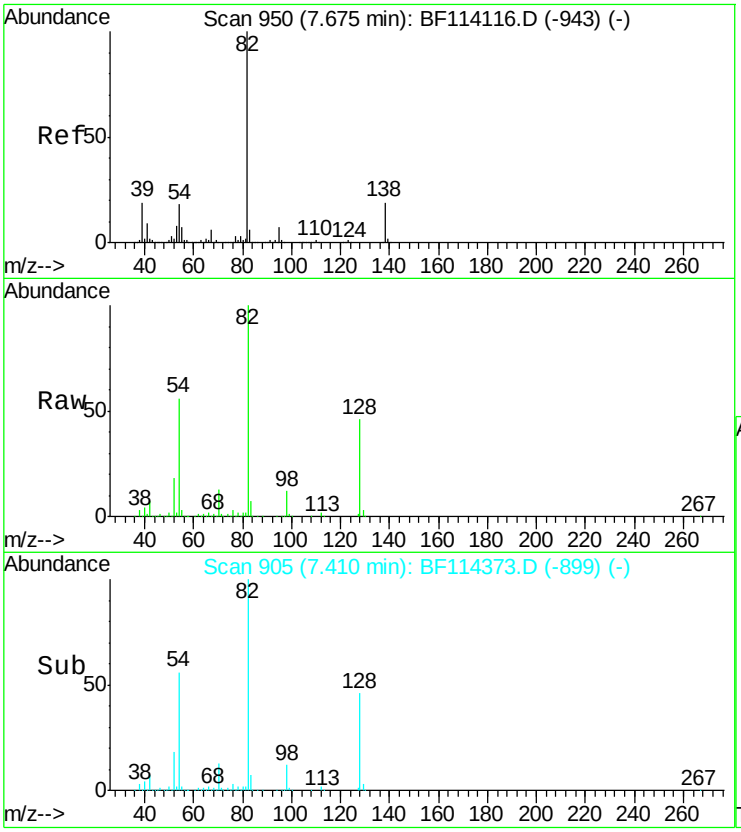




#23
Nitrobenzene-d5
Concen: 35.539 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

Tgt Ion: 82 Resp: 597570

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 46.5 | 35.5 | 53.3 |
| 54 | 55.6 | 48.5 | 72.7 |



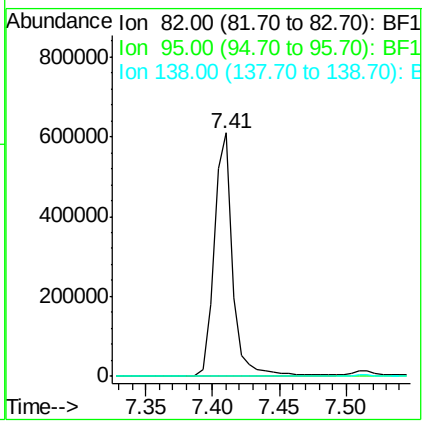


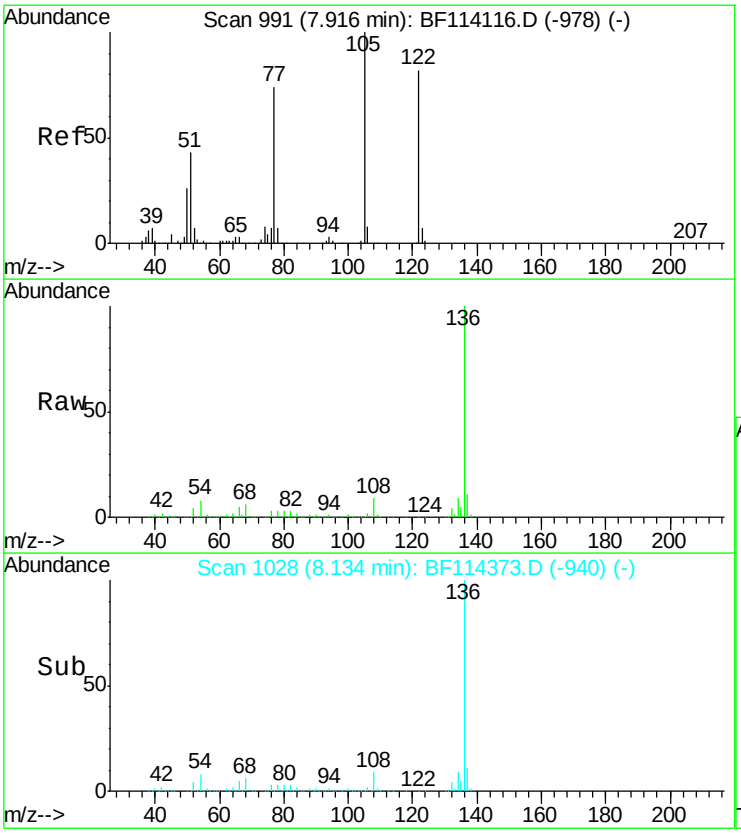

#25
Isophorone
Concen: 19.162 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.26 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

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

Tgt Ion: 82 Resp: 597561

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.6 | 8.4# |
| 138 | 0.0 | 14.8 | 22.2# |

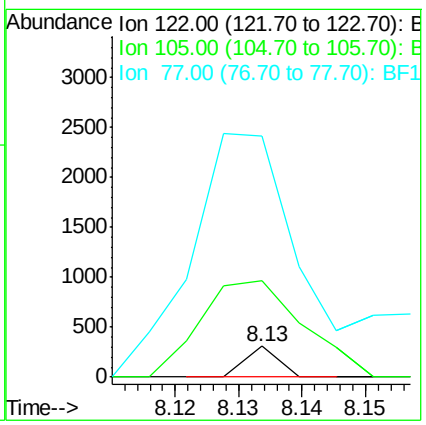


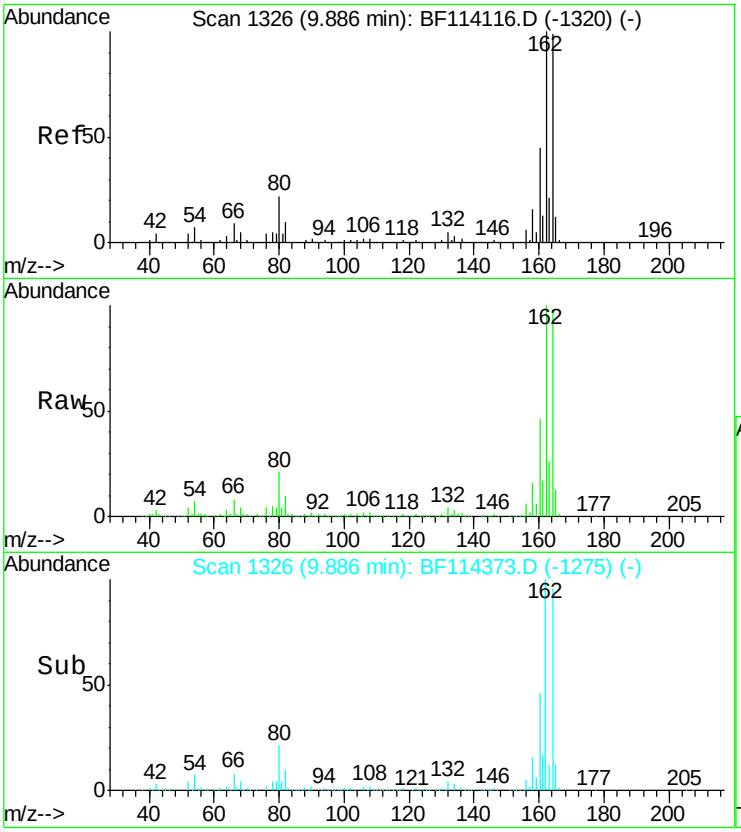




#32
Benzoic acid
Concen: 7.031 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.22 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

Tgt Ion:122 Resp: 109

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 314.6 | 99.9 | 139.9# |
| 77 | 780.3 | 69.4 | 109.4# |



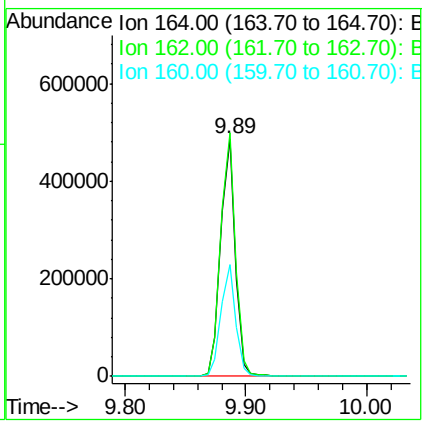


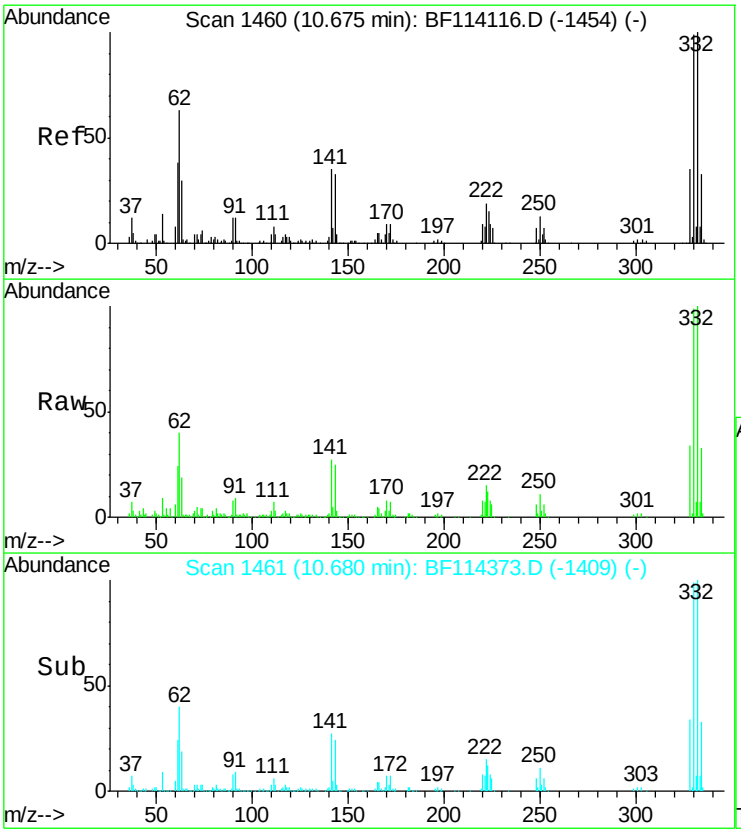

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.00 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

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

Tgt Ion:164 Resp: 407885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.5 | 80.6 | 120.8 |
| 160 | 46.8 | 36.5 | 54.7 |

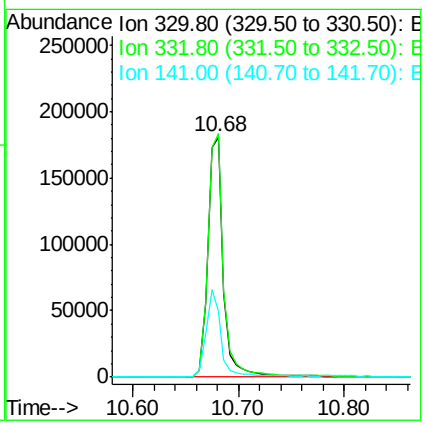


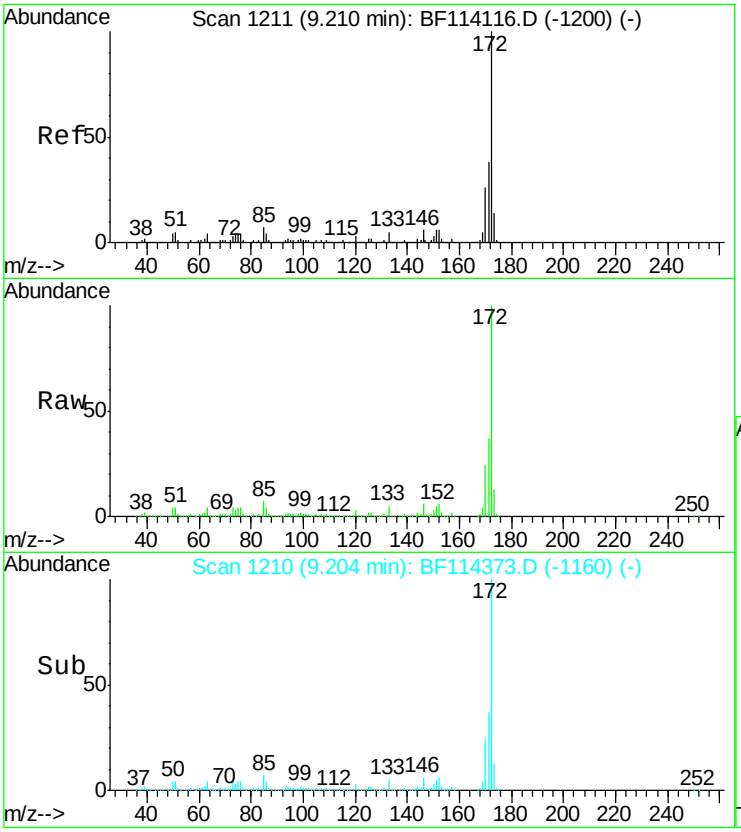




#42
2,4,6-Tribromophenol
Concen: 44.650 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

Tgt Ion:330 Resp: 188281

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 102.5 | 81.4 | 122.2 |
| 141 | 33.8 | 26.6 | 40.0 |



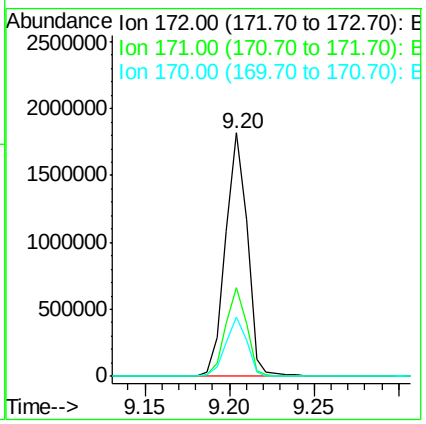


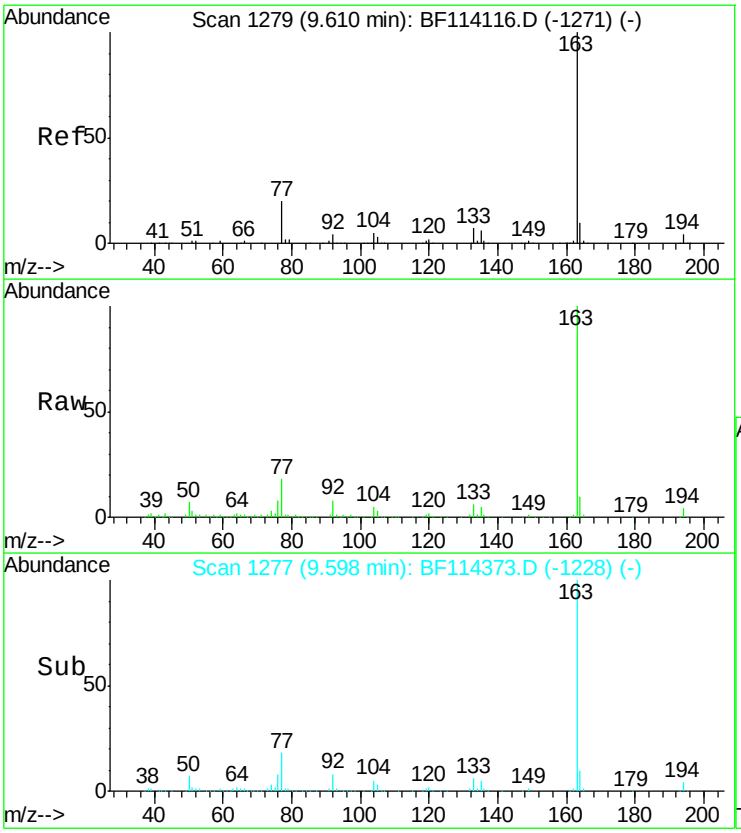

#45
2-Fluorobiphenyl
Concen: 60.404 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

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

Tgt Ion:172 Resp: 1628763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.5 | 30.7 | 46.1 |
| 170 | 24.3 | 20.5 | 30.7 |

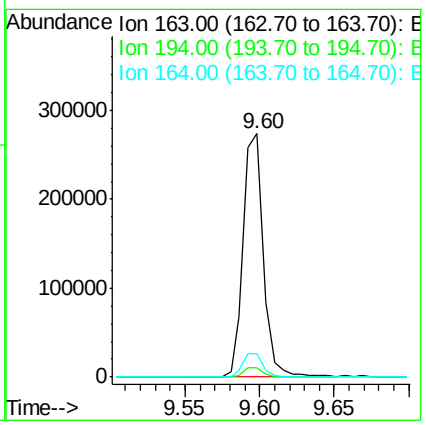


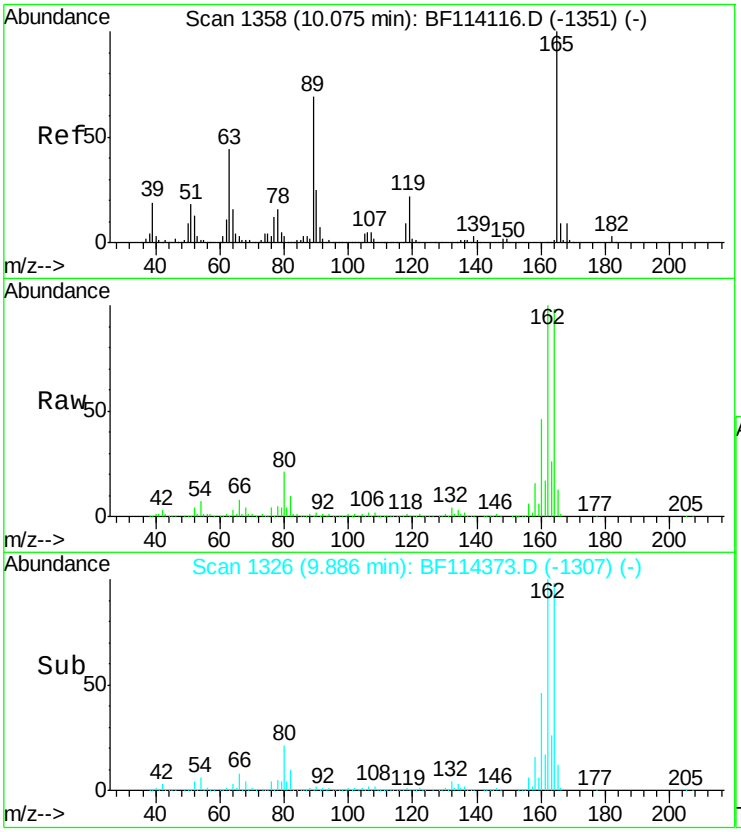




#50
Dimethylphthalate
Concen: 8.557 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

Tgt Ion:163 Resp: 256216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 4.0 | 3.4 | 5.0 |
| 164 | 9.7 | 8.2 | 12.2 |



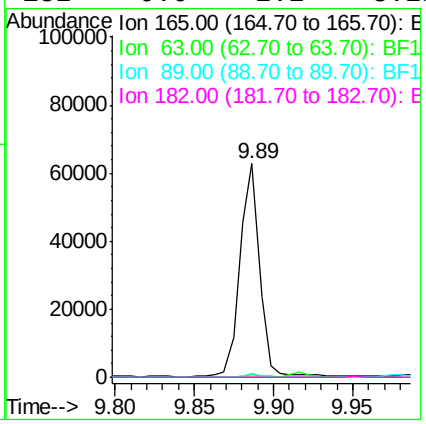


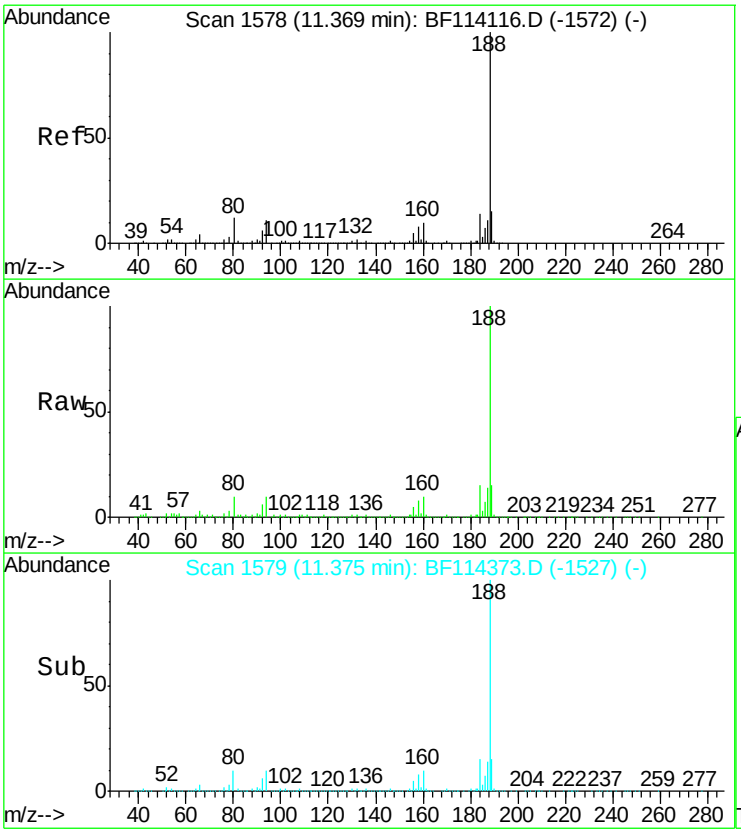

#57
2,4-Dinitrotoluene
Concen: 6.072 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.19 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

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

Tgt Ion:165 Resp: 54738

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 35.5 | 53.3# |
| 89 | 1.7 | 55.2 | 82.8# |
| 182 | 0.0 | 2.2 | 3.2# |

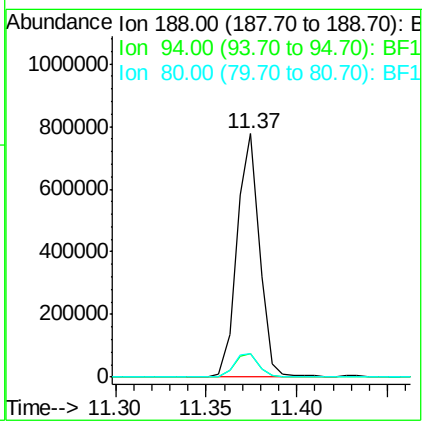


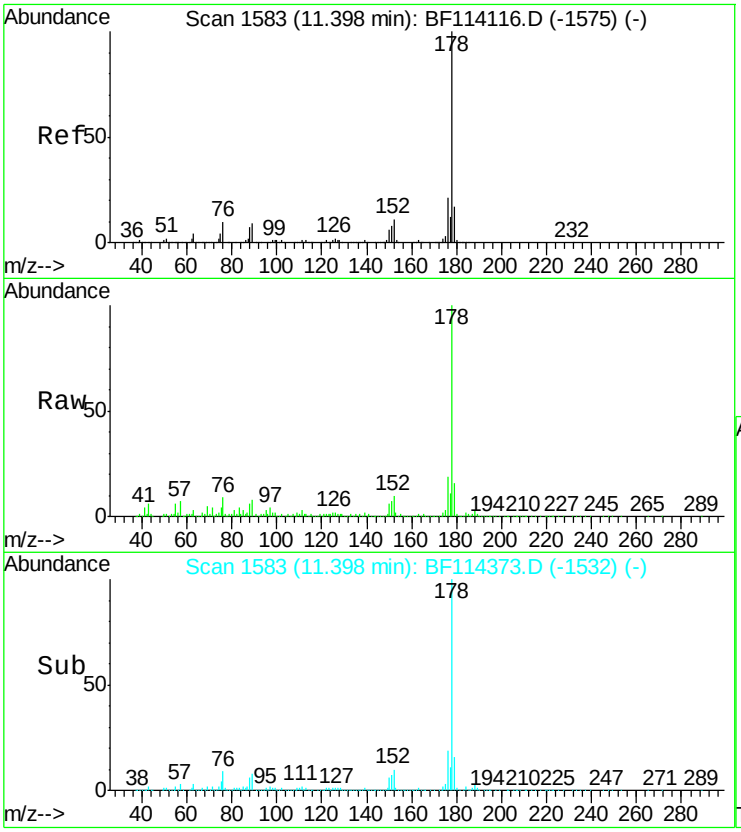




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

Tgt Ion:188 Resp: 672415

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.8 | 8.4 | 12.6 |
| 80 | 9.9 | 9.2 | 13.8 |



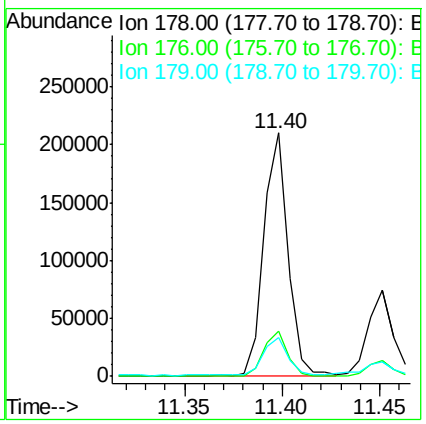


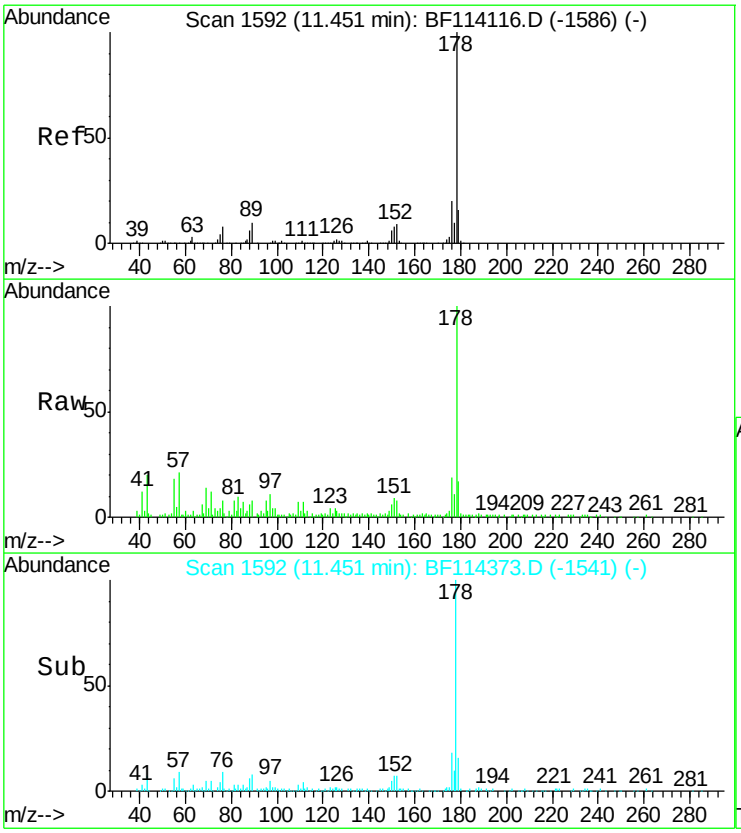

#71
Phenanthrene
Concen: 5.496 ng
RT: 11.40 min Scan# 1583
Delta R.T. 0.00 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

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

Tgt Ion:178 Resp: 179780

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 16.4 | 24.6 |
| 179 | 16.0 | 13.2 | 19.8 |

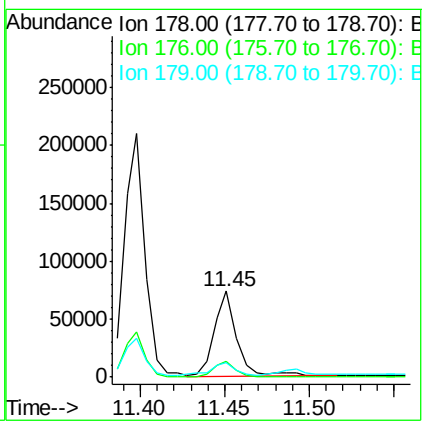


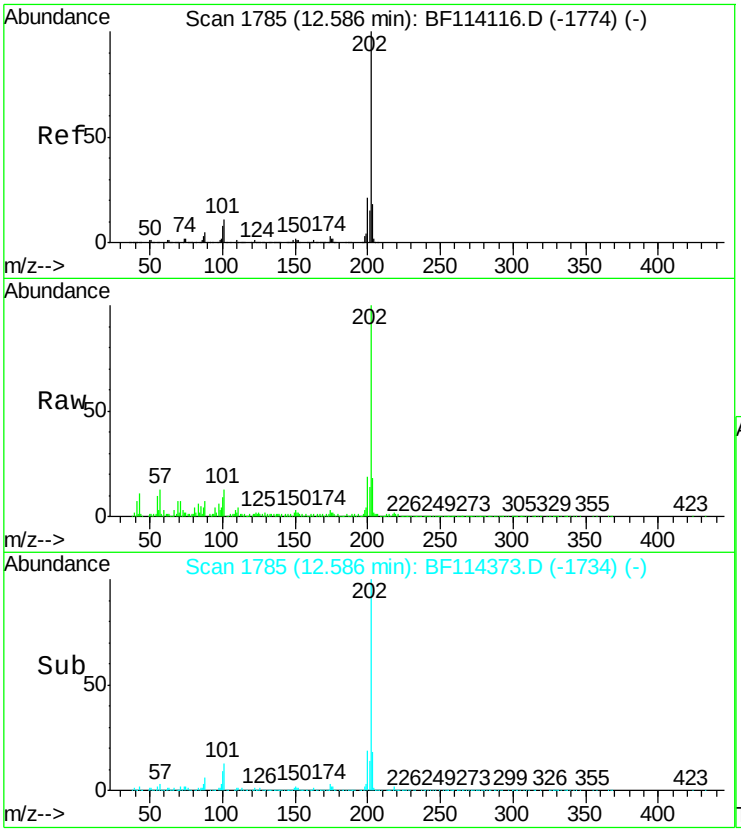




#72
Anthracene
Concen: 2.068 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.00 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

Tgt Ion:178 Resp: 67943

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.8 | 15.8 | 23.8 |
| 179 | 16.6 | 13.0 | 19.4 |



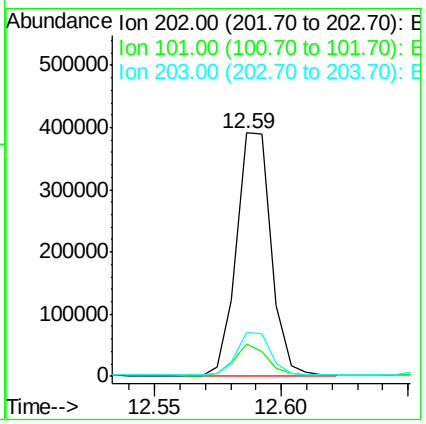


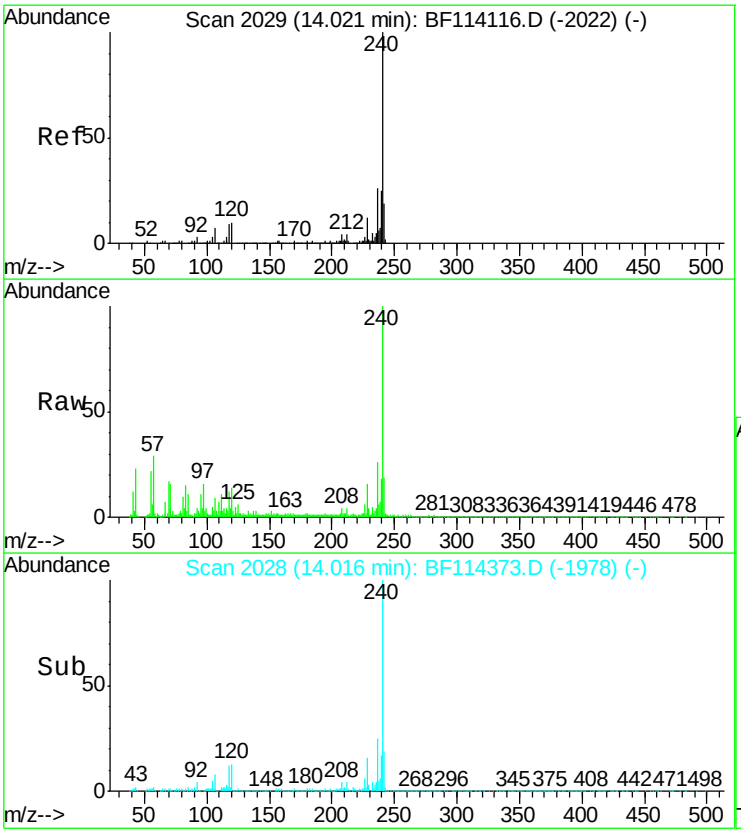

#75
Fluoranthene
Concen: 10.527 ng
RT: 12.59 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

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

Tgt Ion:202 Resp: 370859

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.1 | 0.0 | 31.0 |
| 203 | 18.0 | 0.0 | 38.4 |

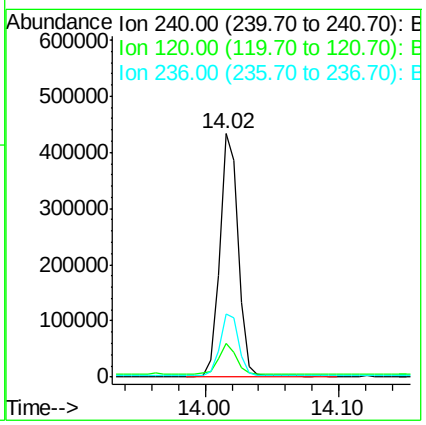


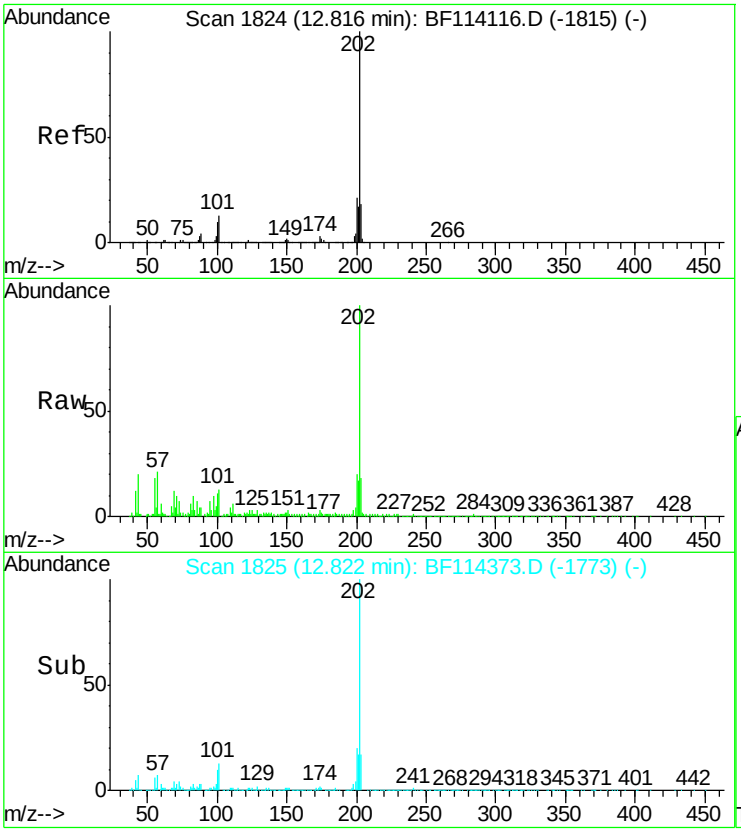




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

Tgt Ion:240 Resp: 418819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.9 | 8.3 | 12.5# |
| 236 | 25.7 | 20.8 | 31.2 |



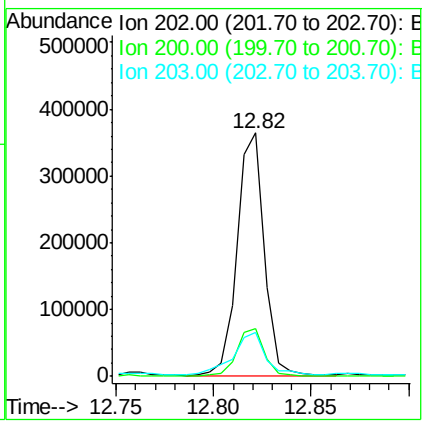


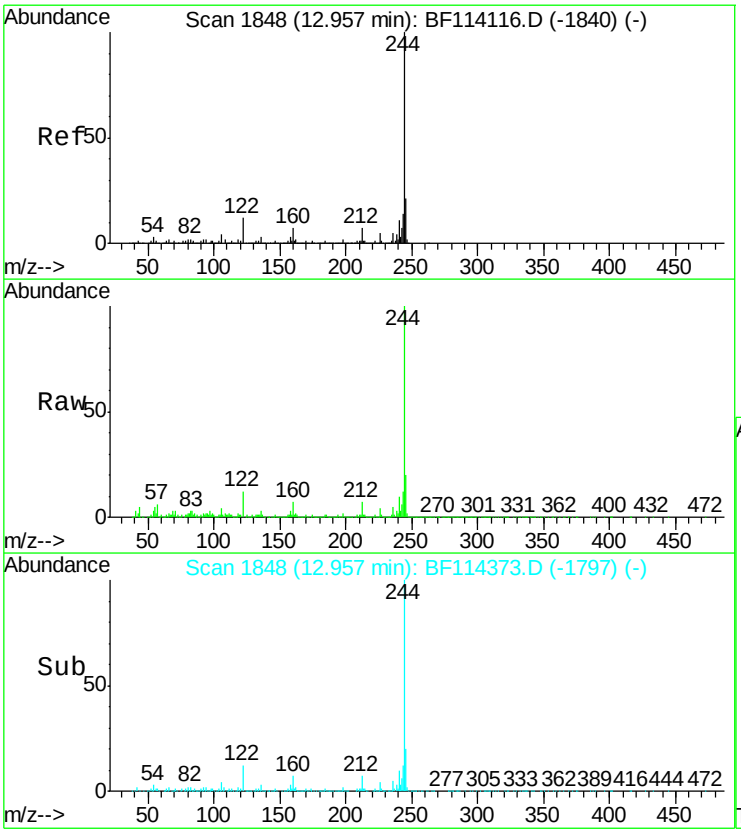

#78
Pyrene
Concen: 10.346 ng
RT: 12.82 min Scan# 1825
Delta R.T. 0.01 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

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

Tgt Ion:202 Resp: 348566

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.6 | 16.9 | 25.3 |
| 203 | 17.8 | 14.5 | 21.7 |

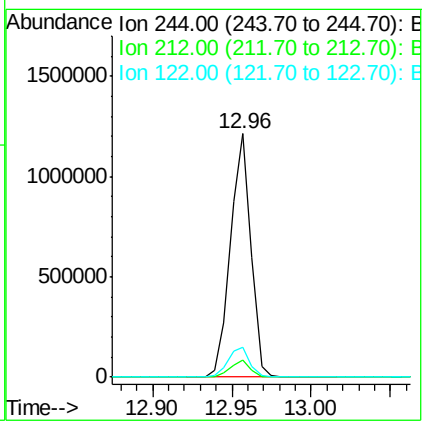


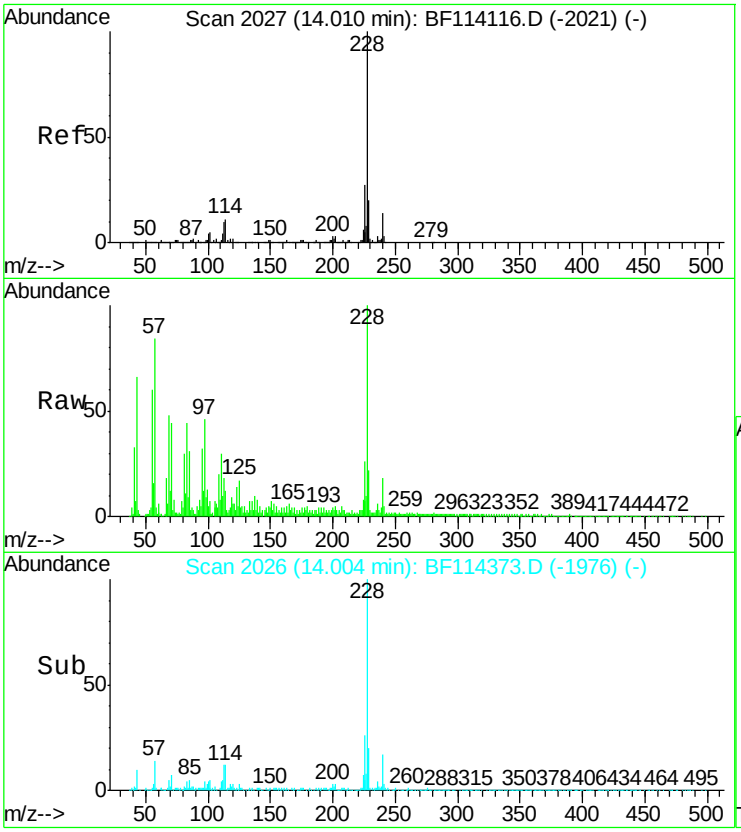




#79
Terphenyl-d14
Concen: 53.216 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.00 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

Tgt Ion:244 Resp: 1081184

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.8 | 8.6 |
| 122 | 12.1 | 9.4 | 14.2 |



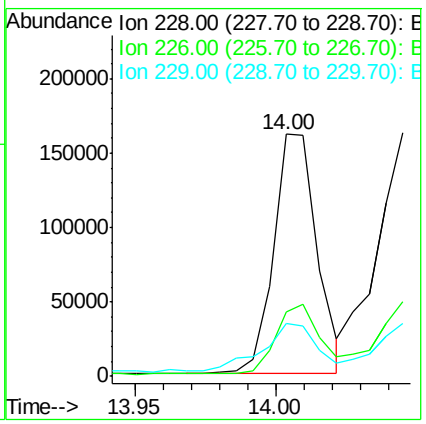


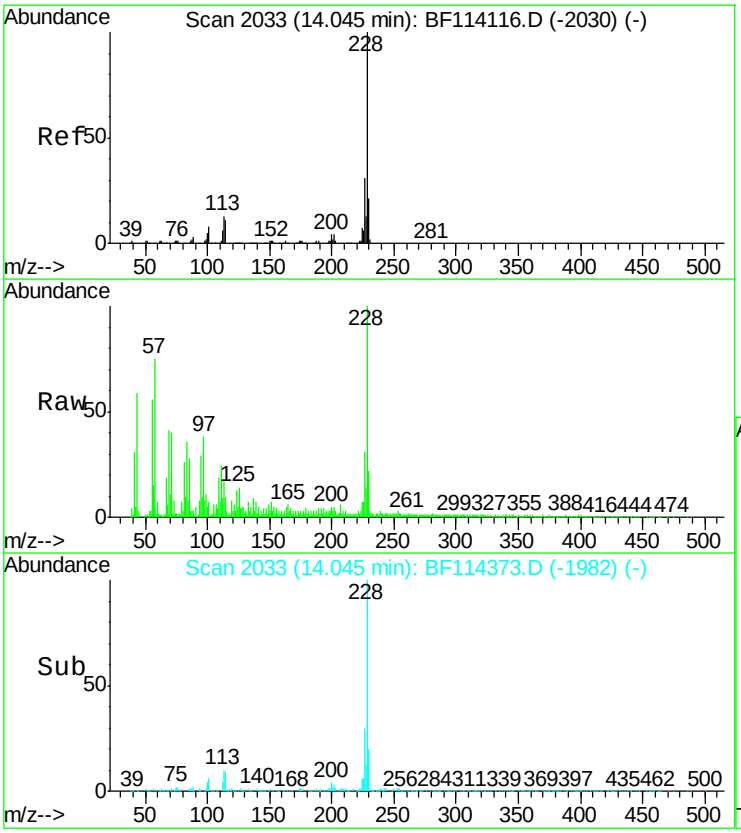

#81
Benzo(a)anthracene
Concen: 6.309 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

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

Tgt Ion:228 Resp: 170915

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 26.4 | 22.2 | 33.2 |
| 229 | 21.6 | 16.4 | 24.6 |

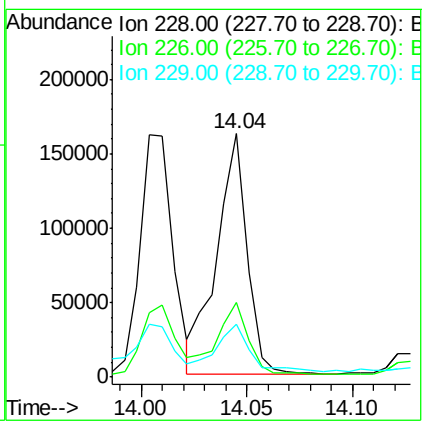


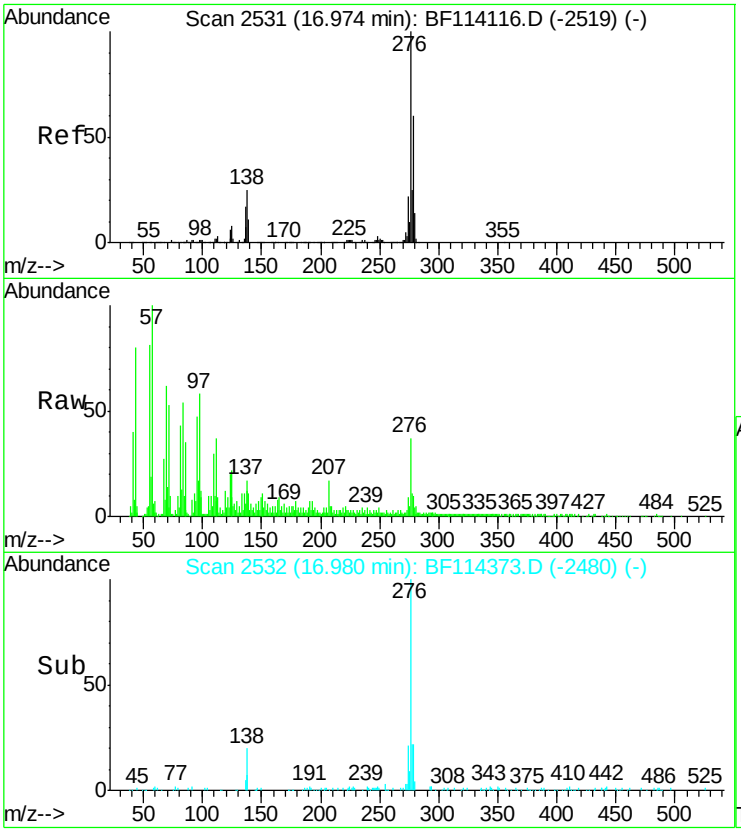




#83
Chrysene
Concen: 6.088 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.00 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

Tgt Ion:228 Resp: 161656

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 30.5 | 25.0 | 37.6 |
| 229 | 21.5 | 17.0 | 25.6 |



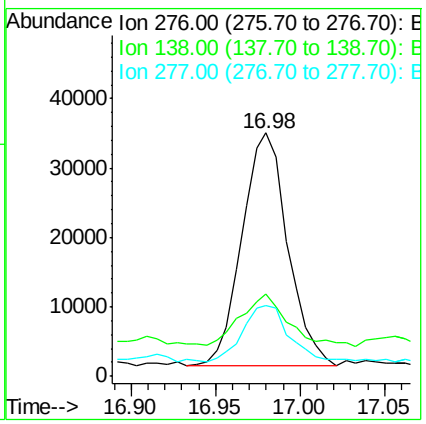


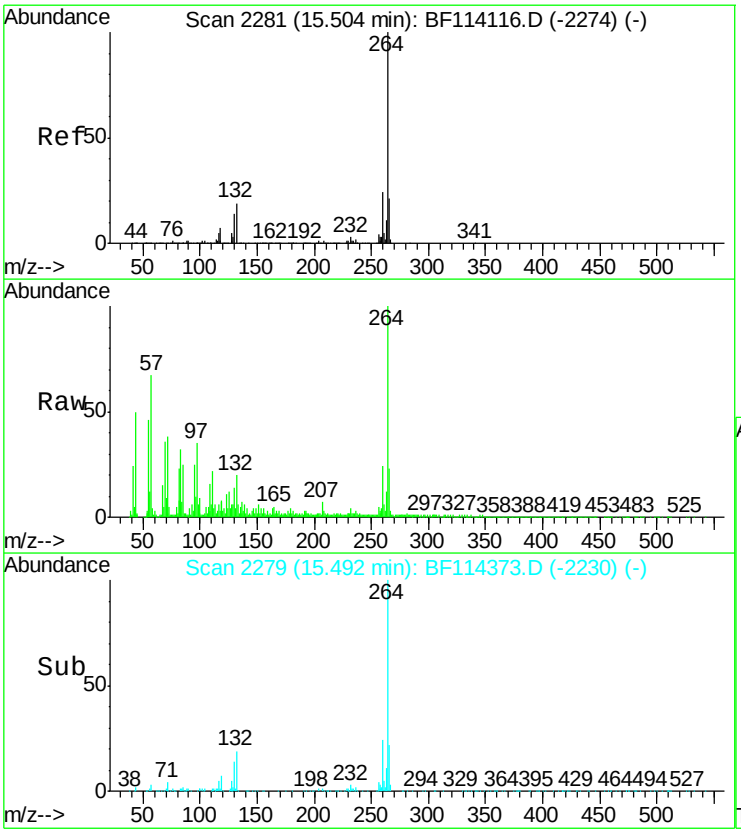

#86
Indeno(1,2,3-cd)pyrene
Concen: 2.699 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.01 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

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

Tgt Ion:276 Resp: 63350

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 23.5 | 20.2 | 30.2 |
| 277 | 24.5 | 20.0 | 30.0 |

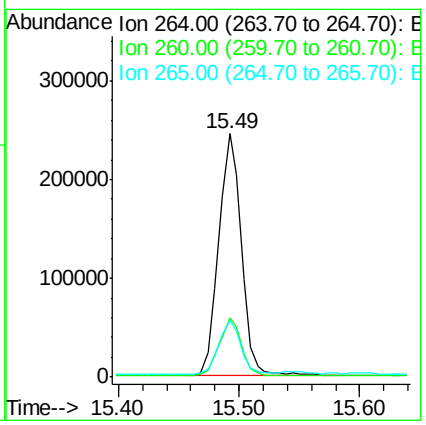


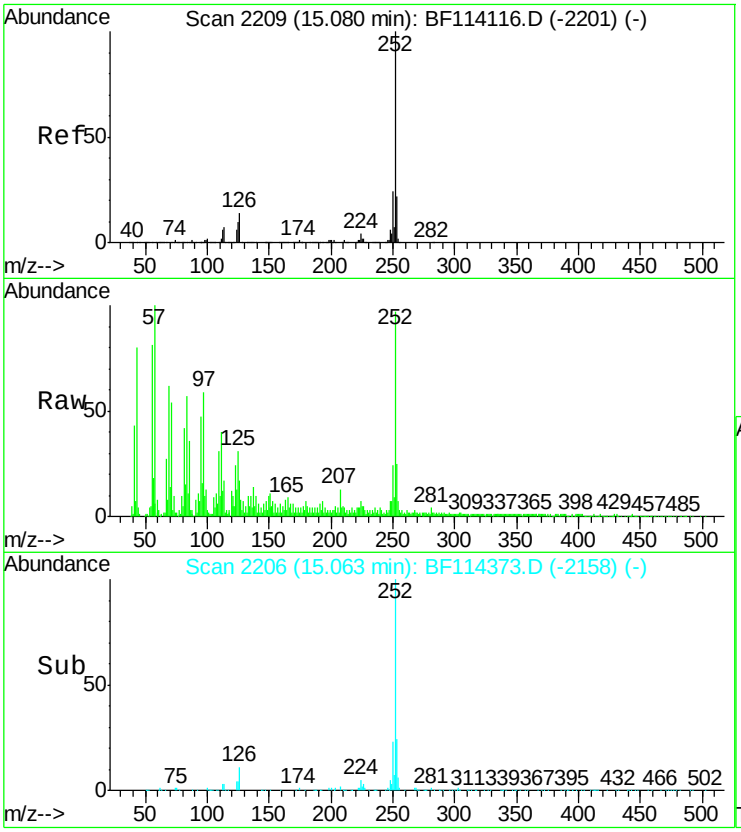




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

Tgt Ion:264 Resp: 316015

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 19.4 | 29.0 |
| 265 | 23.1 | 16.9 | 25.3 |



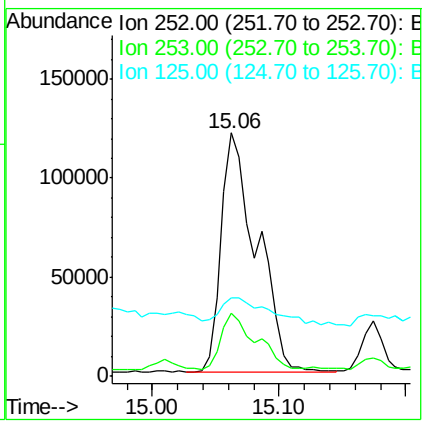


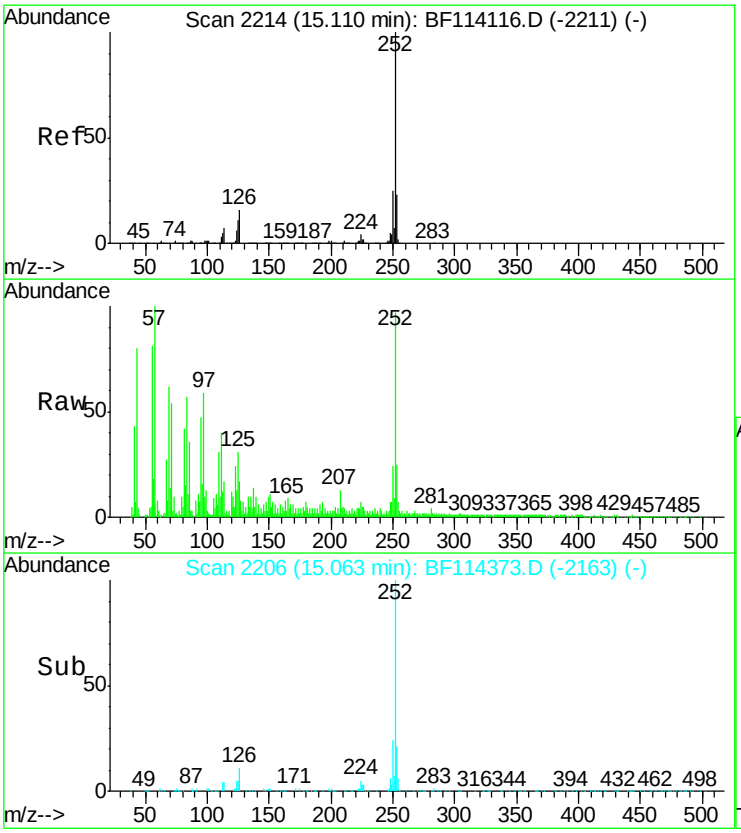

#88
Benzo(b)fluoranthene
Concen: 11.654 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

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

Tgt Ion:252 Resp: 235935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.8 | 17.8 | 26.8 |
| 125 | 32.0 | 8.3 | 12.5# |

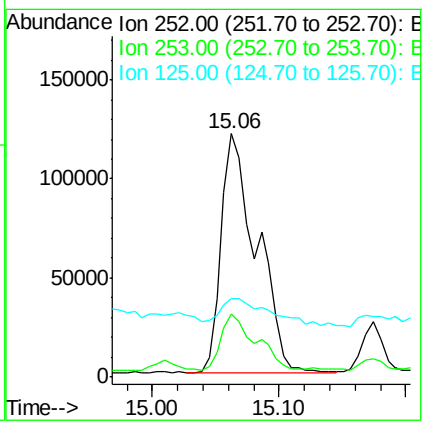


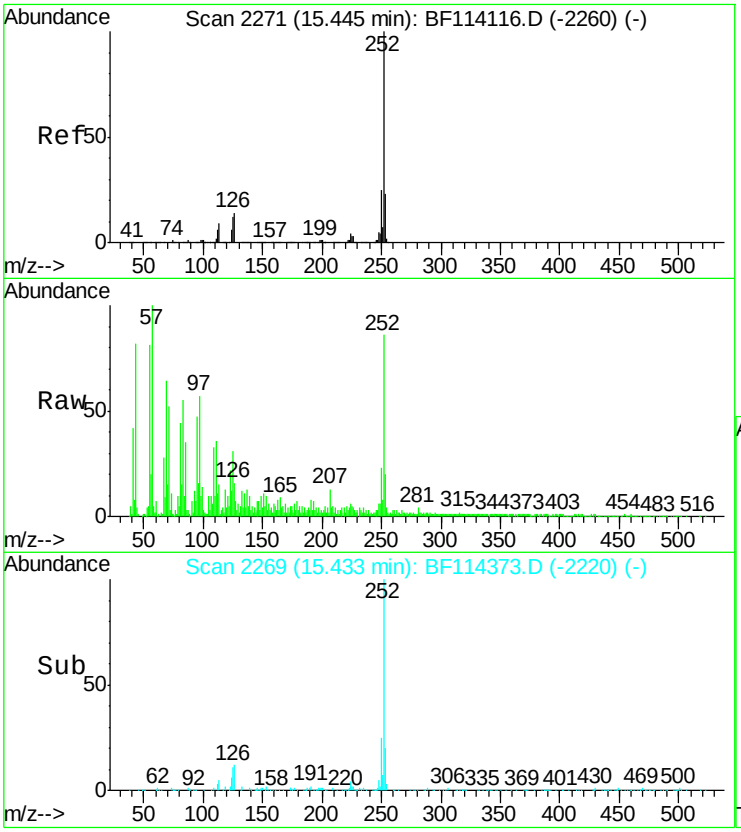




#89
Benzo(k)fluoranthene
Concen: 12.686 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.05 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

Tgt Ion:252 Resp: 235935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.8 | 18.2 | 27.2 |
| 125 | 32.0 | 8.6 | 13.0# |



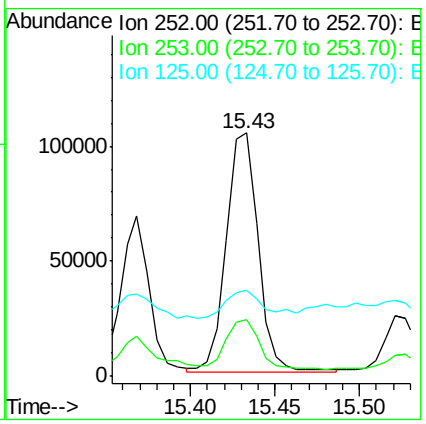


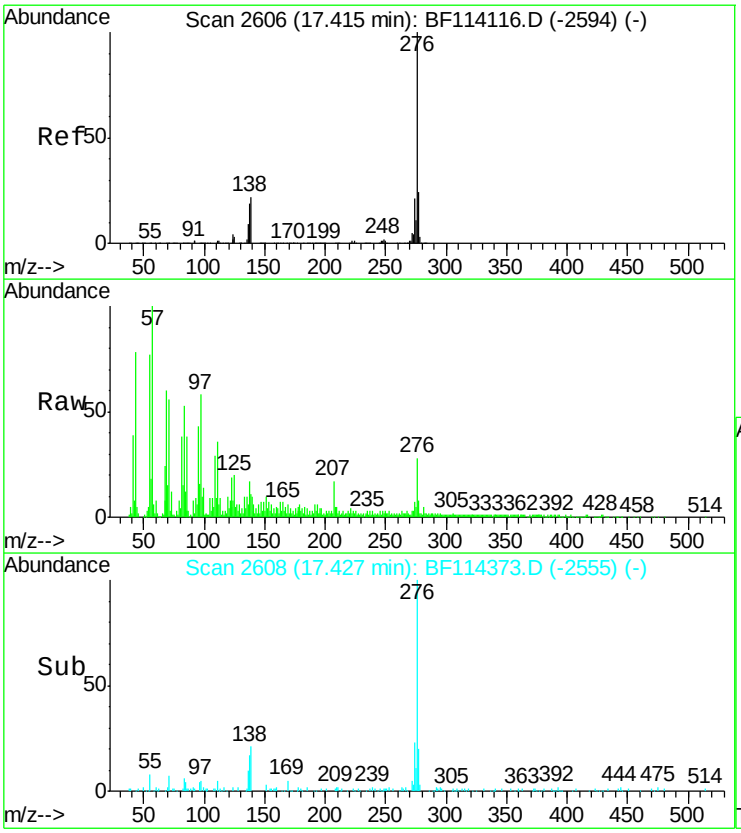

#90
Benzo(a)pyrene
Concen: 7.647 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

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

Tgt Ion:252 Resp: 136252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.1 | 18.1 | 27.1 |
| 125 | 35.6 | 9.5 | 14.3# |




#92
Benzo(g,h,i)perylene
Concen: 3.652 ng
RT: 17.43 min Scan# 2608
Delta R.T. 0.01 min
Lab File: BF114373.D
Acq: 18 May 2019 2:29

Tgt Ion:276 Resp: 54183

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 28.2 | 19.0 | 28.4 |
| 138 | 37.8 | 17.8 | 26.6# |