Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030619\
Data File : BF112911.D
Acq On : 7 Mar 2019 5:16
Operator : JU/SJ
Sample : K1705-18
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** PST-028-B004-022719

Quant Time: Mar 07 05:49:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 01 15:40:43 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.73 | 152 | 197138 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.01 | 136 | 701761 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.76 | 164 | 290317 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.24 | 188 | 511335 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.86 | 240 | 537544 | 20.00 | ng | | -0.01 |
| 87) Perylene-d12 | 15.26 | 264 | 486783 | 20.00 | ng | | -0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.35 | 112 | 1434262 | 113.17 | ng | | 0.00 |
| 7) Phenol-d6 | 6.37 | 99 | 1784042 | 112.07 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.29 | 82 | 1075492 | 91.71 | ng | | -0.01 |
| 42) 2,4,6-Tribromophenol | 10.55 | 330 | 396156 | 128.54 | ng | | -0.01 |
| 45) 2-Fluorobiphenyl | 9.09 | 172 | 1541672 | 89.13 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.82 | 244 | 1357829 | 48.97 | ng | | -0.01 |
| **Target Compounds** | | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.29 | 70 | 140945 | 13.979 | ng | # | 74 |
| 25) Isophorone | 7.29 | 82 | 1070647 | 42.376 | ng | # | 66 |
| 50) Dimethylphthalate | 9.48 | 163 | 123769 | 5.782 | ng | | 98 |
| 57) 2,4-Dinitrotoluene | 9.76 | 165 | 36860 | 6.652 | ng | # | 17 |
| 65) 4,6-Dinitro-2-methylphenol | 10.54 | 198 | 485 | 4.821 | ng | | 75 |
| 67) 4-Bromophenyl-phenylether | 10.55 | 248 | 23111 | 4.291 | ng | # | 1 |
| 71) Phenanthrene | 11.26 | 178 | 69968 | 2.750 | ng | | 96 |
| 75) Fluoranthene | 12.45 | 202 | 111931 | 4.107 | ng | | 96 |
| 78) Pyrene | 12.67 | 202 | 110138 | 2.430 | ng | | 98 |
| 88) Benzo(b)fluoranthene | 14.87 | 252 | 86658 | 2.752 | ng | | 98 |
| 89) Benzo(k)fluoranthene | 14.87 | 252 | 86650 | 3.038 | ng | | 98 |

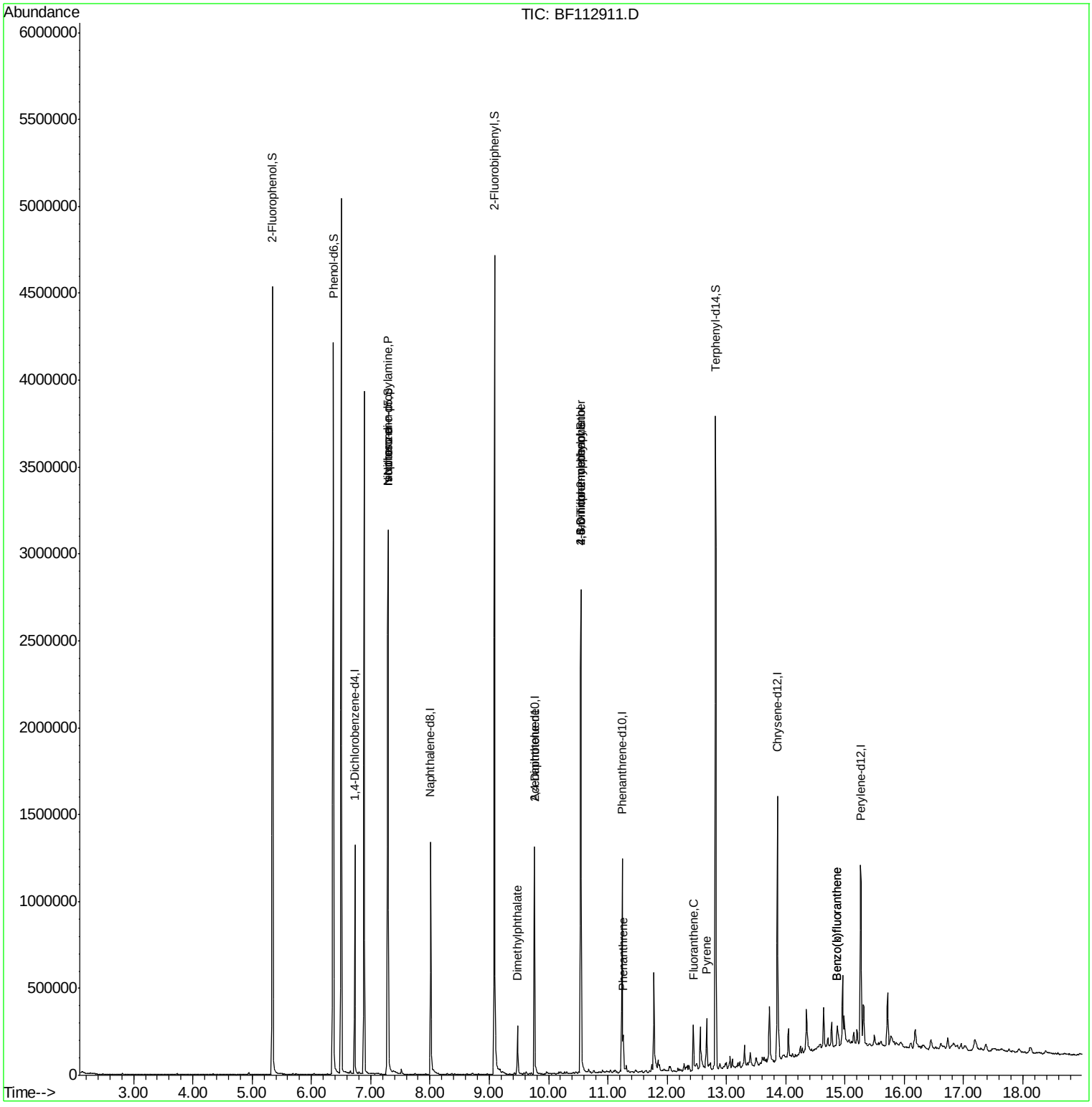
(#) = qualifier out of range (m) = manual integration (+) = signals summed

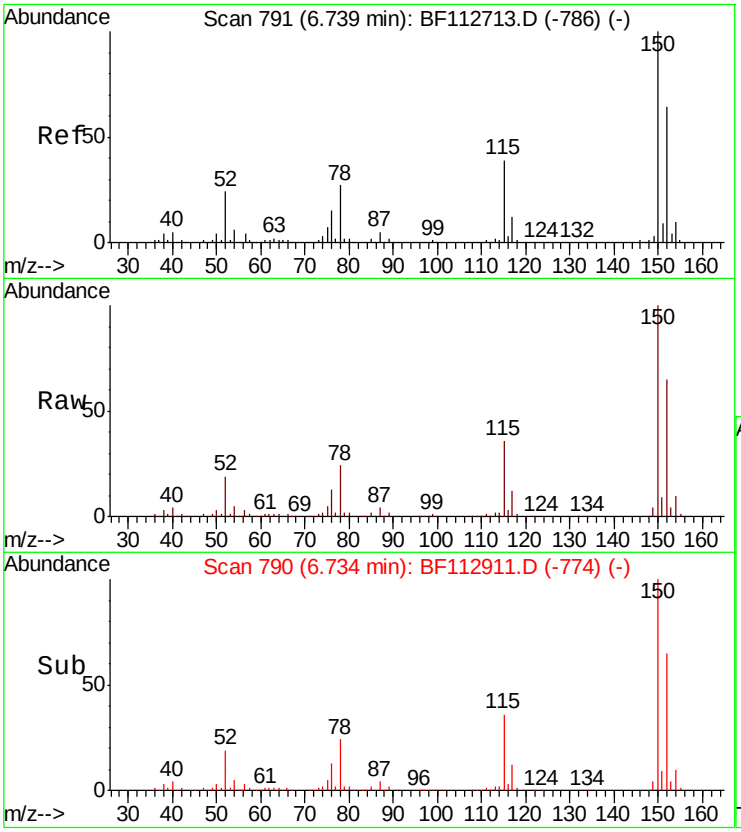
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF030619\
Data File : BF112911.D
Acq On : 7 Mar 2019 5:16
Operator : JU/SJ
Sample : K1705-18
Misc :
ALS Vial : 29 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
PST-028-B004-022719

Quant Time: Mar 07 05:49:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 01 15:40:43 2019
Response via : Initial Calibration



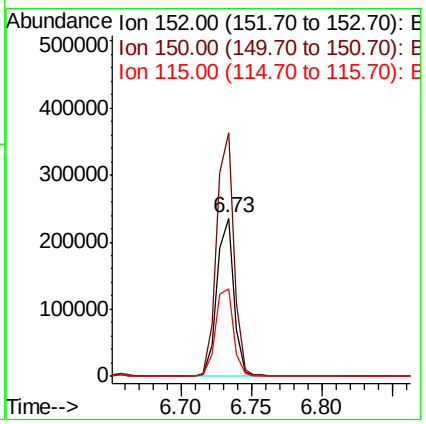


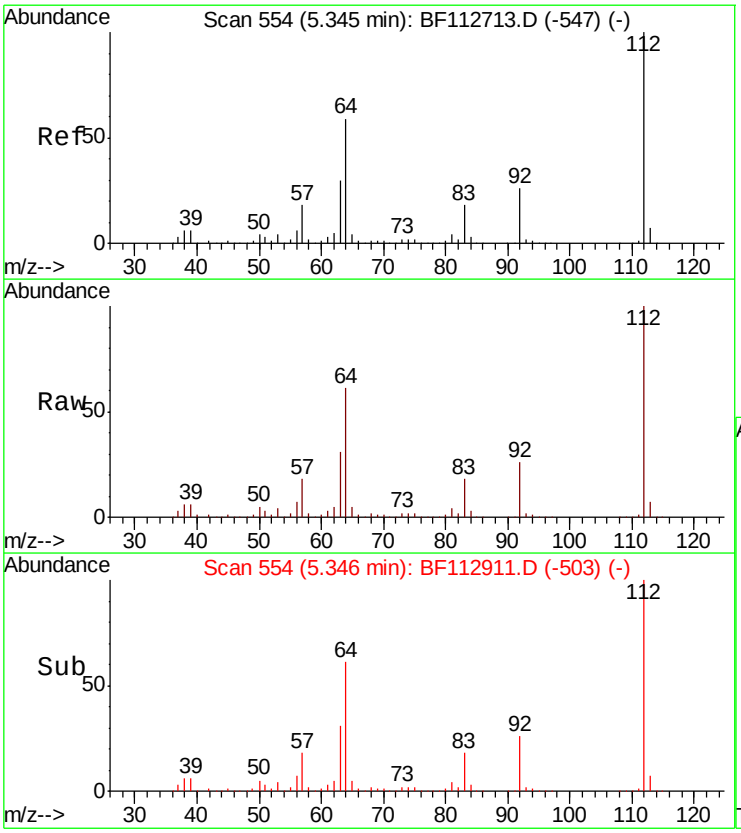

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

**Instrument :**
BNA_F
**ClientSampleId :**
PST-028-B004-022719

Tgt Ion:152 Resp: 197138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 154.2 | 124.2 | 186.2 |
| 115 | 55.8 | 48.2 | 72.4 |

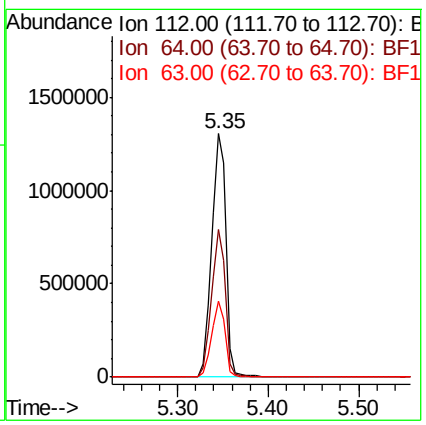


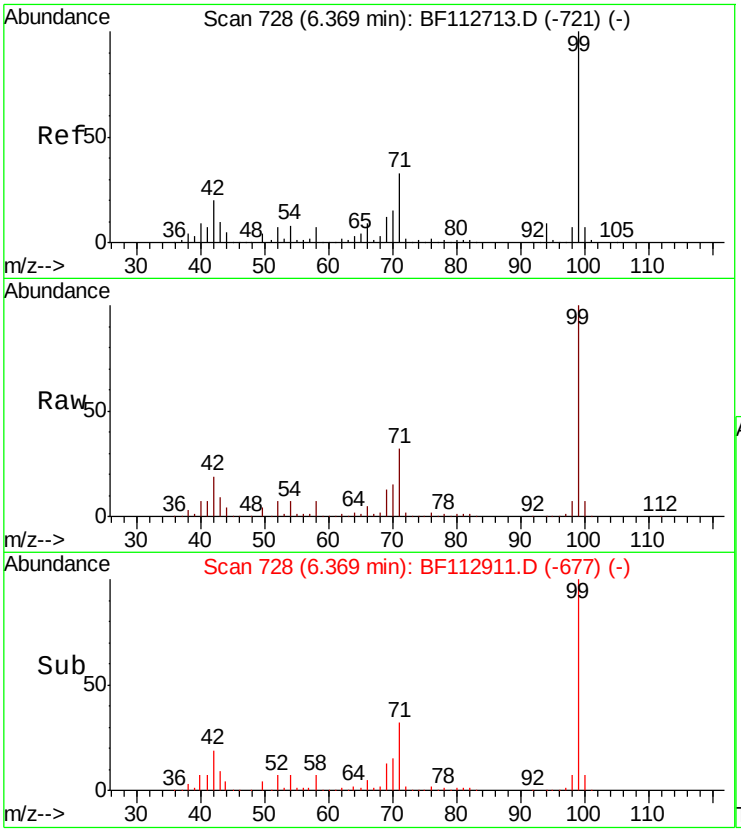




#5
2-Fluorophenol
Concen: 113.172 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

Tgt Ion:112 Resp: 1434262

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.6 | 47.6 | 71.4 |
| 63 | 31.0 | 24.4 | 36.6 |



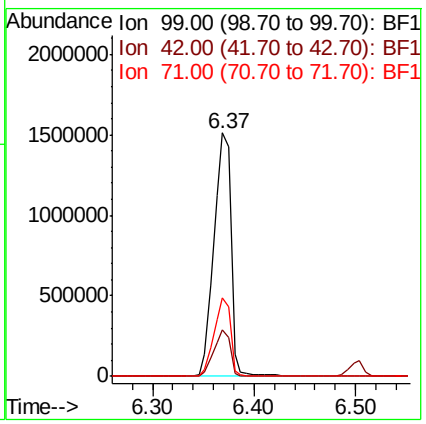


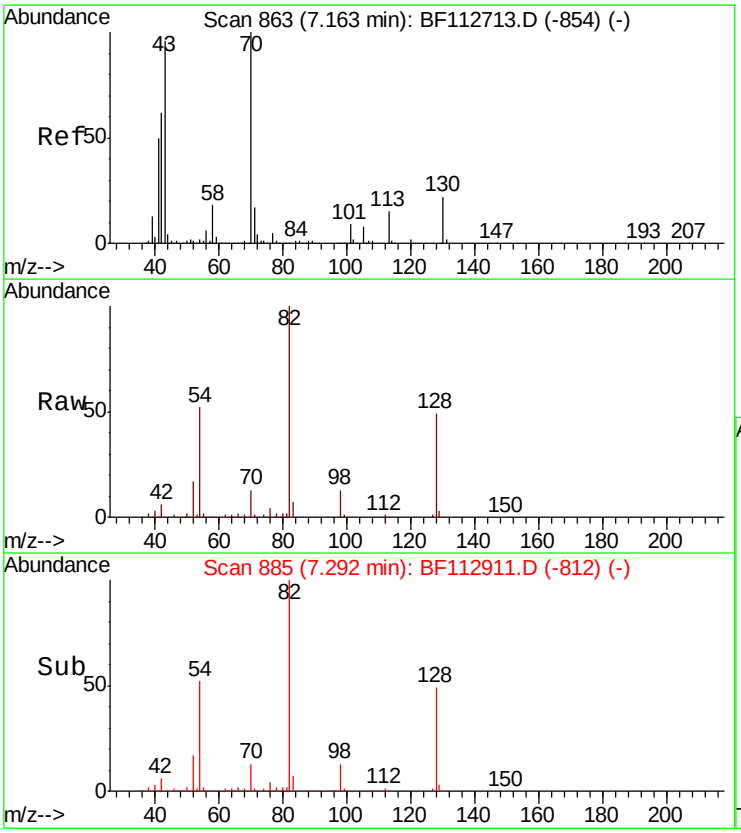

#7
Phenol-d6
Concen: 112.065 ng
RT: 6.37 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

**Instrument :**
BNA_F
**ClientSampleId :**
PST-028-B004-022719

Tgt Ion: 99 Resp: 1784042

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.2 | 16.3 | 24.5 |
| 71 | 32.3 | 26.2 | 39.4 |

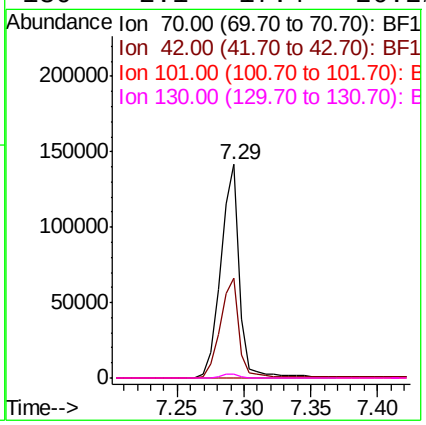


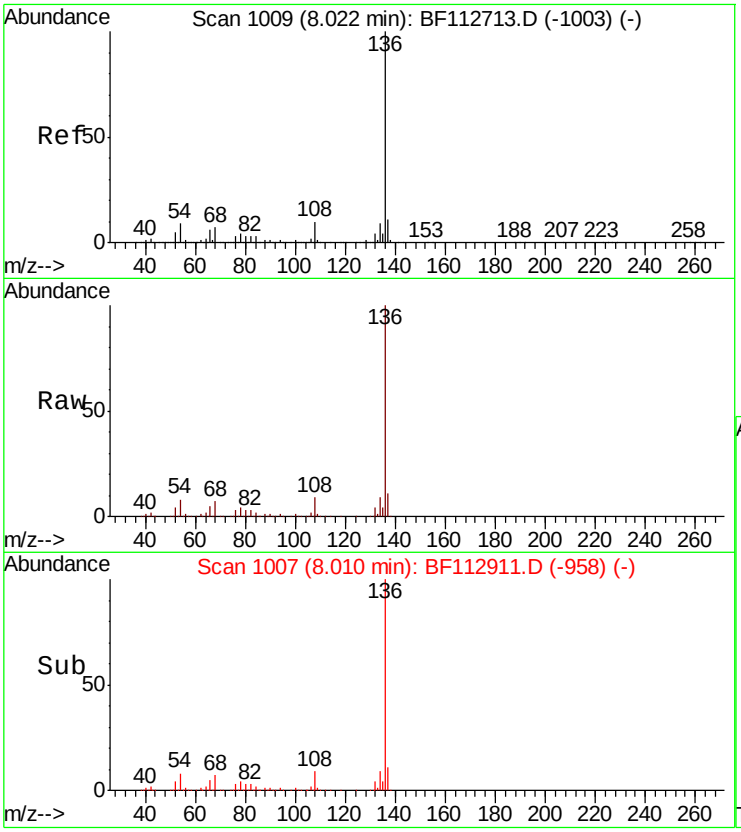




#19
n-Nitroso-di-n-propylamine
Concen: 13.979 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.13 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

Tgt Ion: 70 Resp: 140945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 46.9 | 49.9 | 74.9# |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 2.1 | 17.4 | 26.2# |



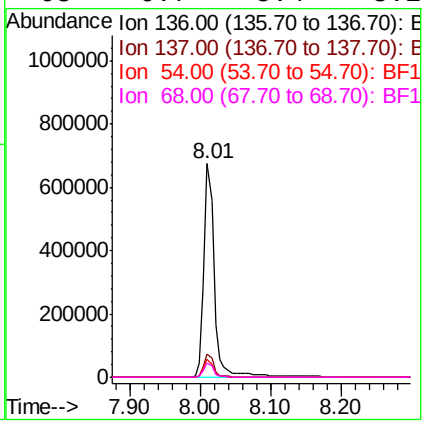


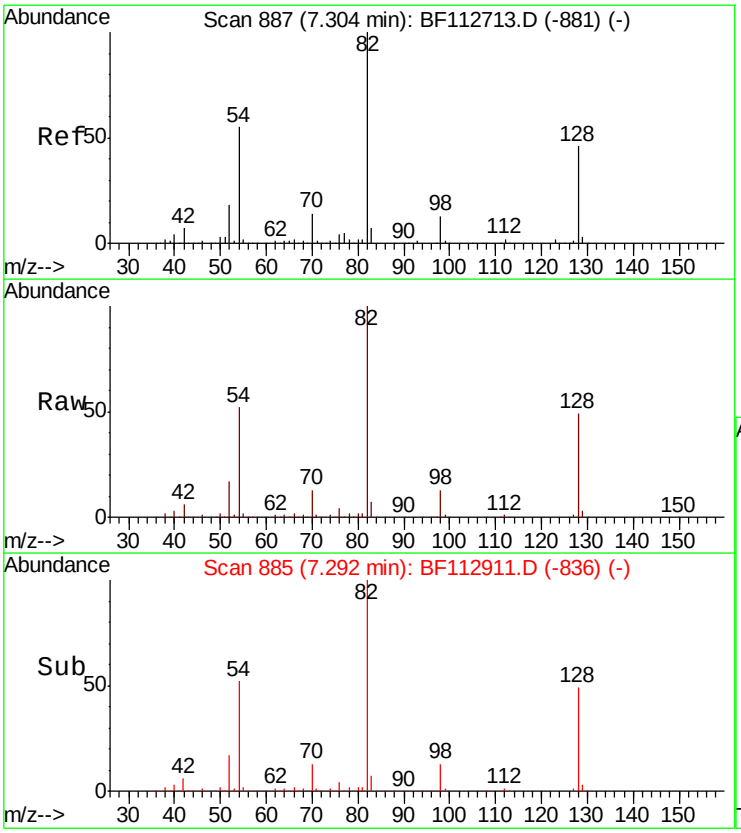

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

**Instrument :**
BNA_F
**ClientSampleId :**
PST-028-B004-022719

Tgt Ion:136 Resp: 701761

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 8.9 | 13.3 |
| 54 | 8.3 | 7.3 | 10.9 |
| 68 | 6.7 | 5.4 | 8.2 |

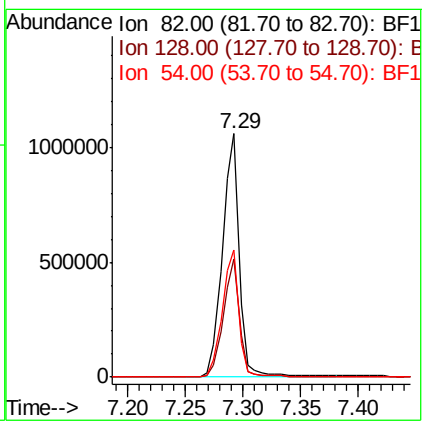


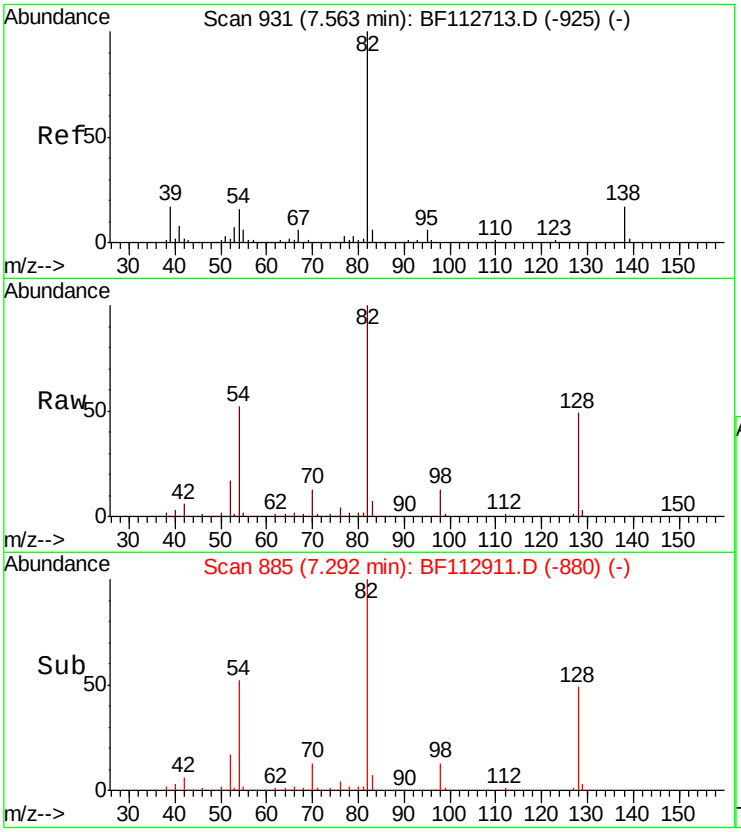




#23
Nitrobenzene-d5
Concen: 91.705 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

Tgt Ion: 82 Resp: 1075492

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 48.6 | 36.3 | 54.5 |
| 54 | 52.2 | 43.7 | 65.5 |



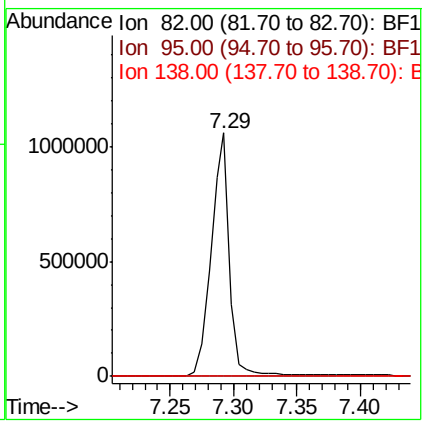


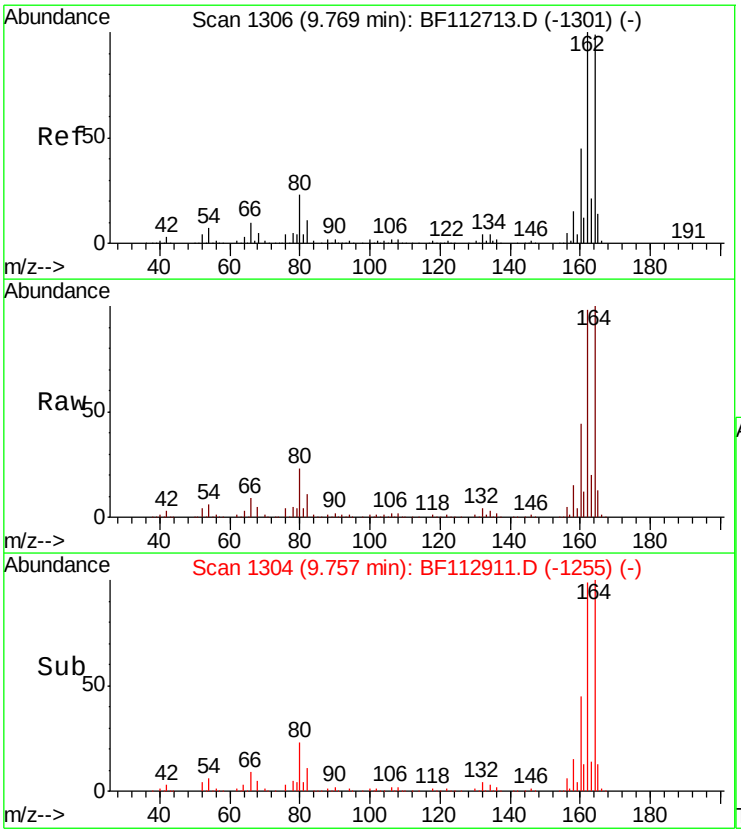

#25
Isophorone
Concen: 42.376 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.27 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

**Instrument :**
BNA_F
**ClientSampleId :**
PST-028-B004-022719

Tgt Ion: 82 Resp: 1070647

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.2 | 7.8# |
| 138 | 0.0 | 13.8 | 20.8# |

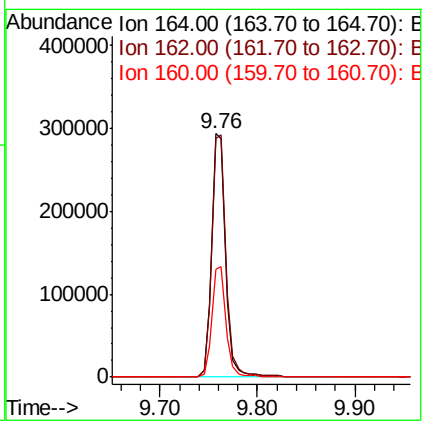


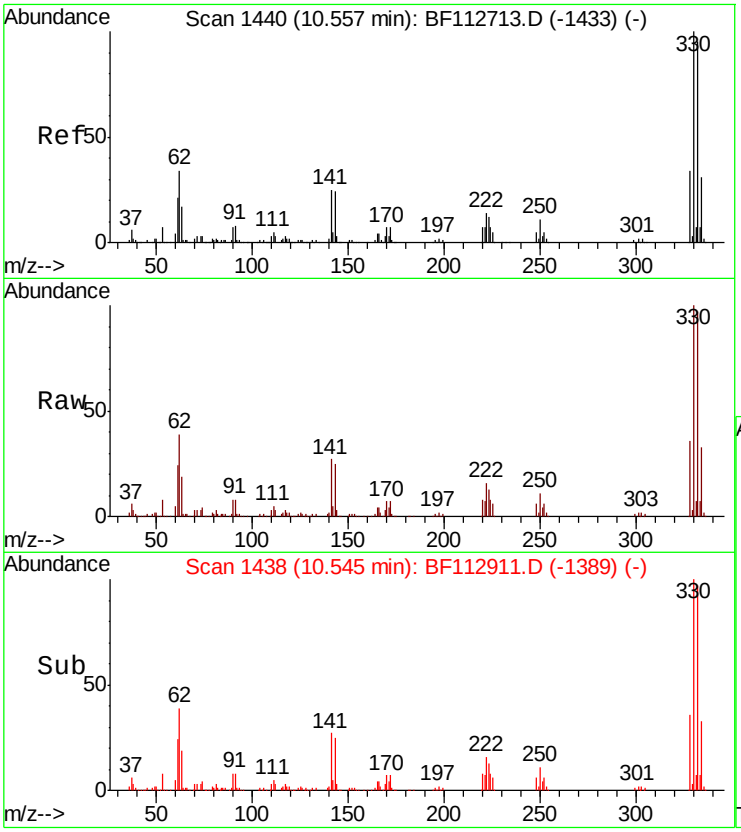




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

Tgt Ion:164 Resp: 290317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 98.2 | 80.6 | 120.8 |
| 160 | 44.3 | 36.0 | 54.0 |



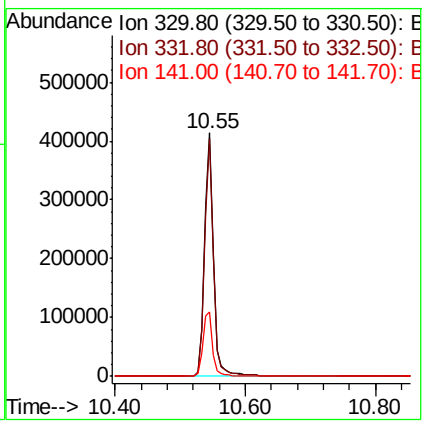


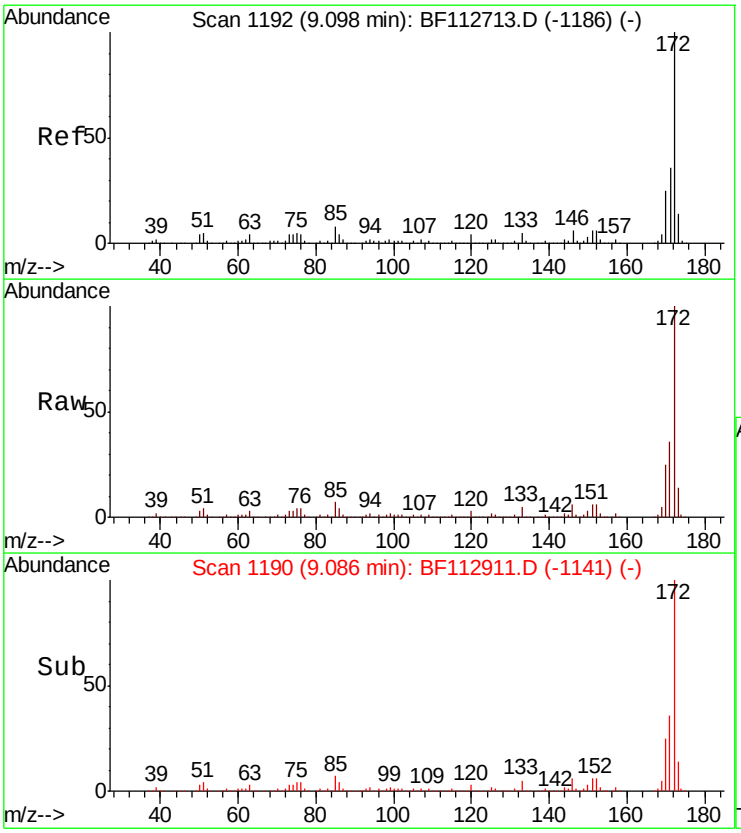

#42
2,4,6-Tribromophenol
Concen: 128.535 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

**Instrument :**
BNA_F
**ClientSampleId :**
PST-028-B004-022719

Tgt Ion:330 Resp: 396156

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.6 | 76.2 | 114.4 |
| 141 | 28.7 | 27.0 | 40.6 |

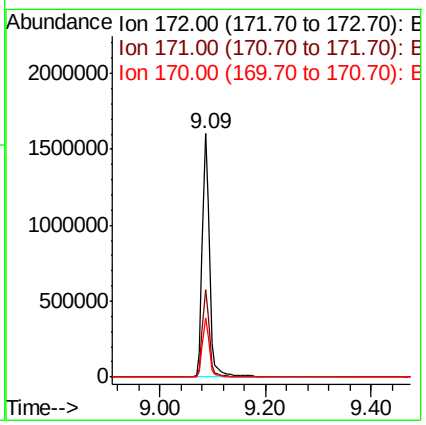


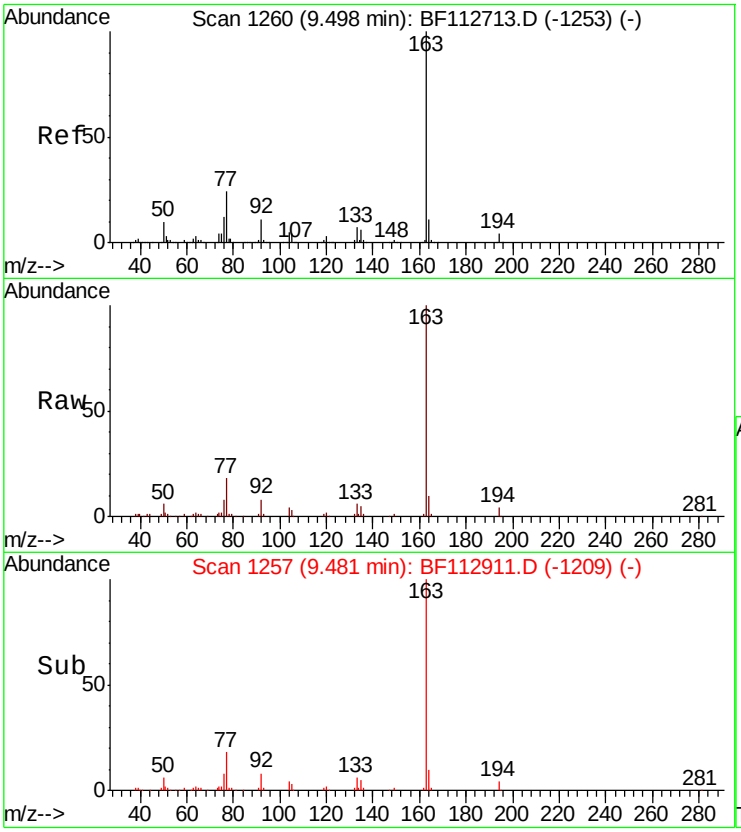




#45
2-Fluorobiphenyl
Concen: 89.127 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

Tgt Ion:172 Resp: 1541672

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 35.8 | 29.0 | 43.4 |
| 170 | 24.6 | 20.0 | 30.0 |



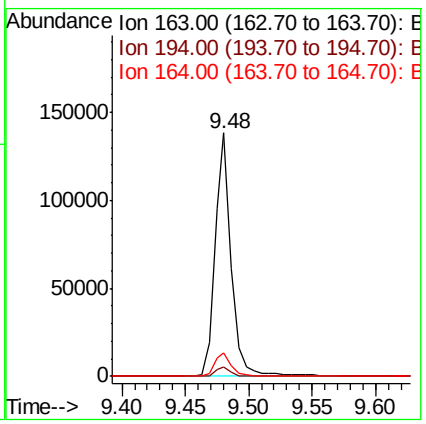


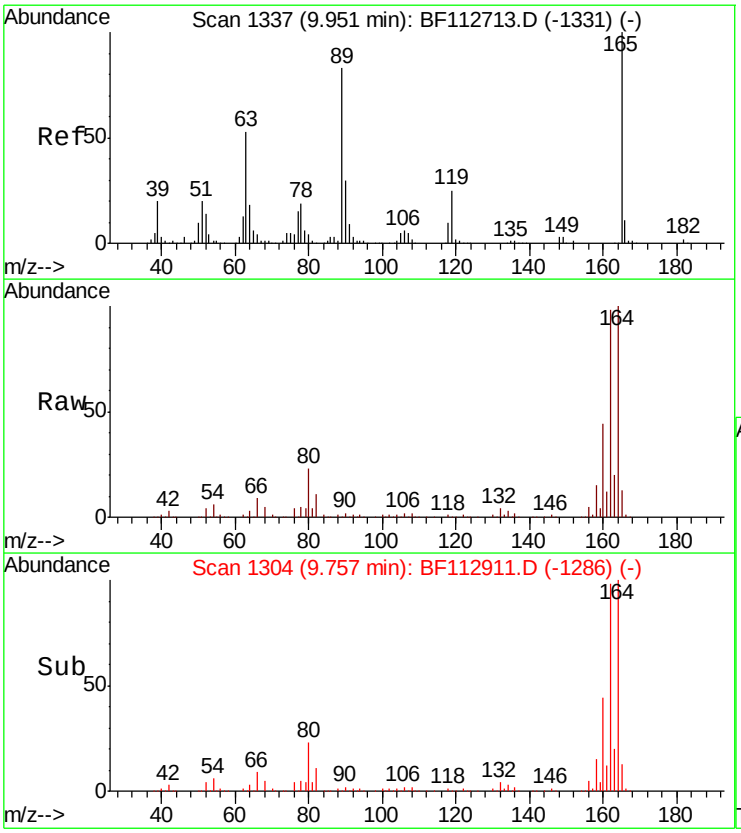

#50
Dimethylphthalate
Concen: 5.782 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

**Instrument :**
BNA_F
**ClientSampleId :**
PST-028-B004-022719

Tgt Ion:163 Resp: 123769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.8 | 3.0 | 4.4 |
| 164 | 9.7 | 8.4 | 12.6 |

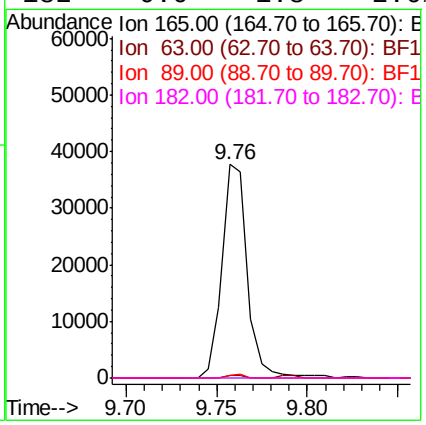


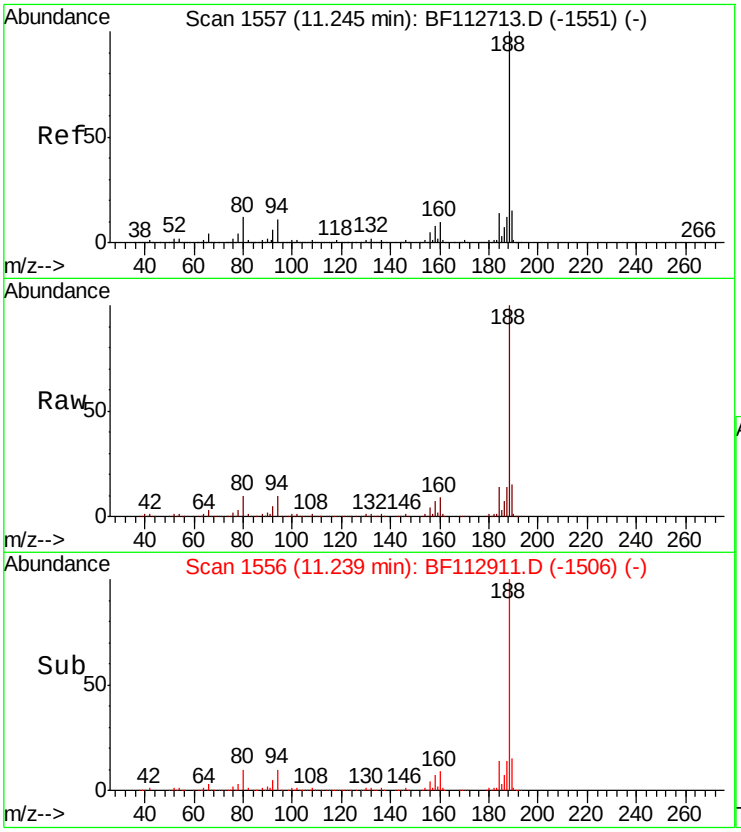




#57
2,4-Dinitrotoluene
Concen: 6.652 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.19 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

Tgt Ion:165 Resp: 36860

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.3 | 42.2 | 63.2# |
| 89 | 1.0 | 66.2 | 99.4# |
| 182 | 0.0 | 1.8 | 2.6# |



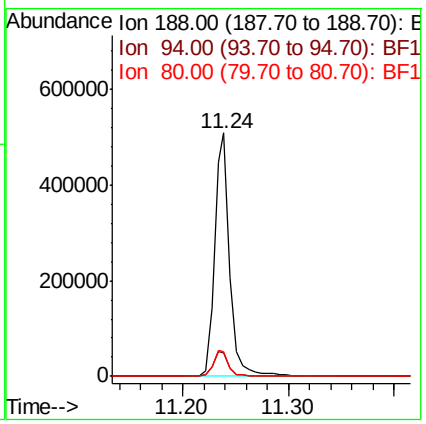


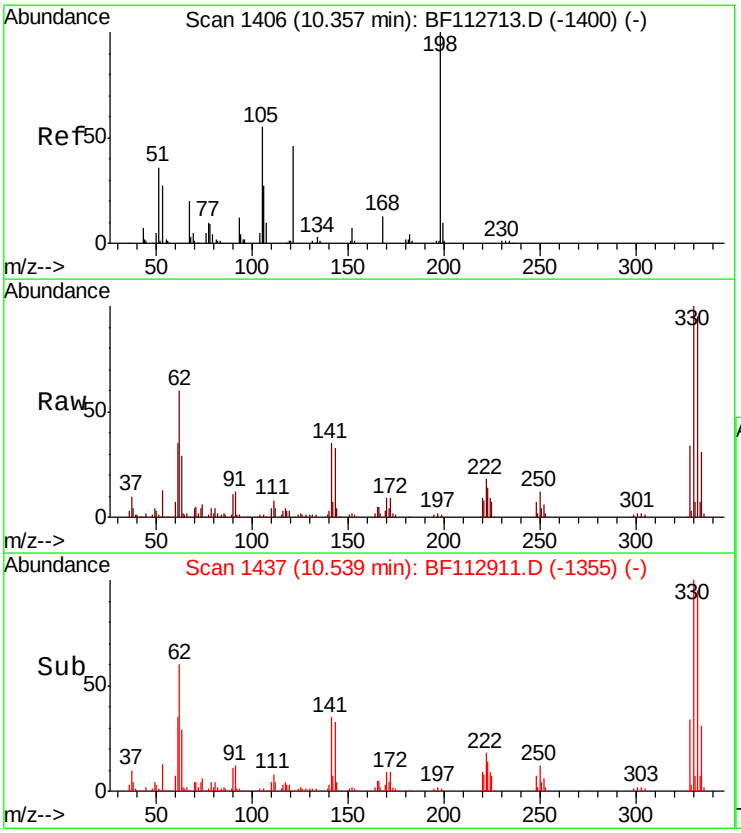

#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

**Instrument :**
BNA_F
**ClientSampleId :**
PST-028-B004-022719

Tgt Ion:188 Resp: 511335

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.6 | 9.0 | 13.4 |
| 80 | 10.0 | 9.2 | 13.8 |

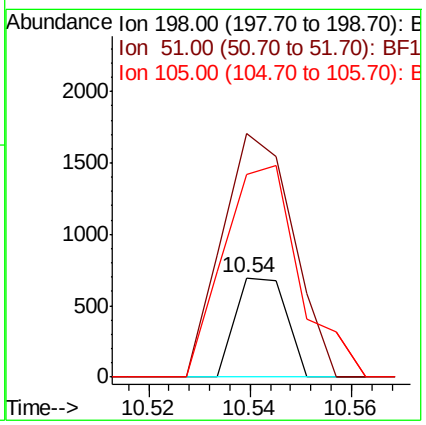


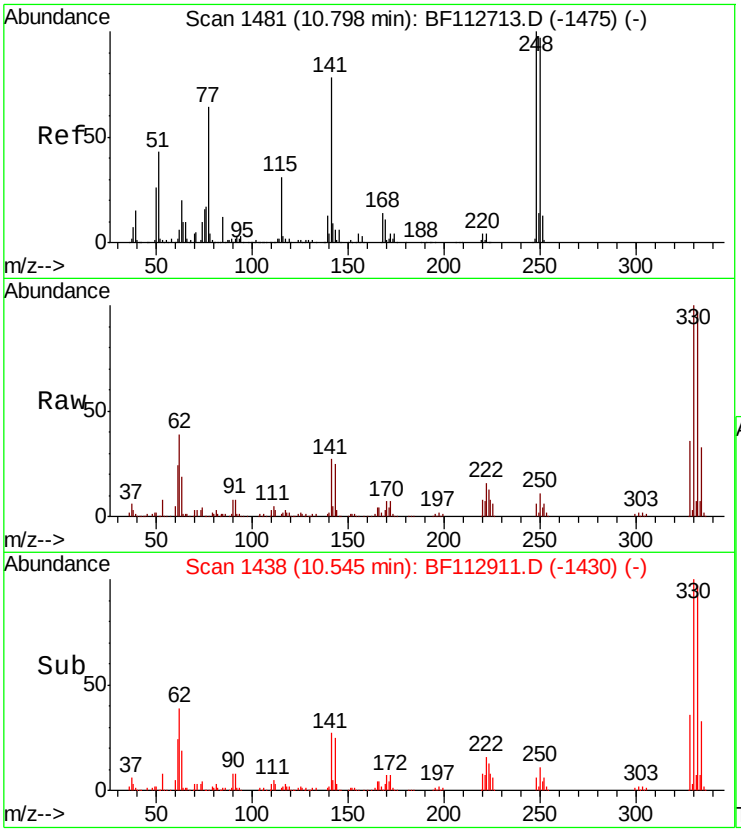




#65
4,6-Dinitro-2-methylphenol
Concen: 4.821 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

Tgt Ion:198 Resp: 485

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 45.3 | 43.8 | 83.8 |
| 105 | 37.8 | 36.5 | 76.5 |



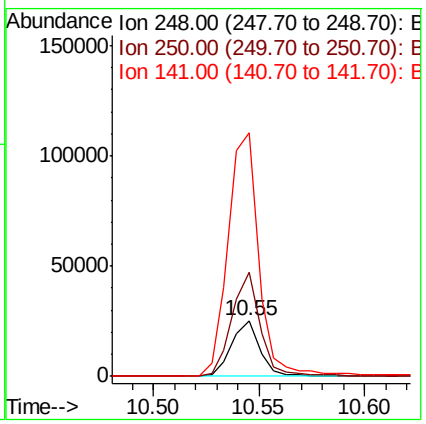


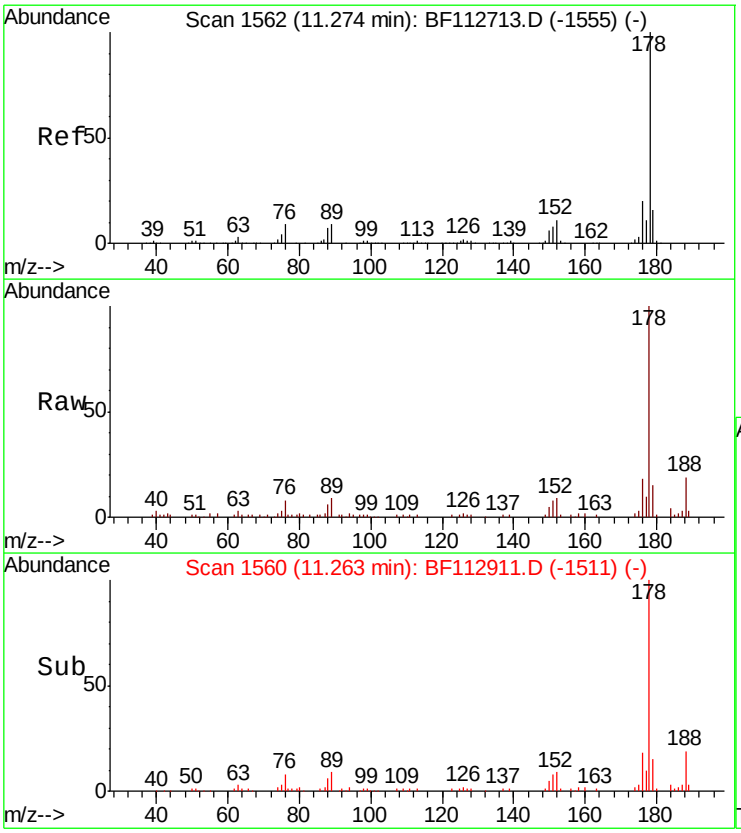

#67
4-Bromophenyl-phenylether
Concen: 4.291 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.25 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

**Instrument :**
BNA_F
**ClientSampleId :**
PST-028-B004-022719

Tgt Ion:248 Resp: 23111

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 186.3 | 77.5 | 116.3# |
| 141 | 437.8 | 62.4 | 93.6# |

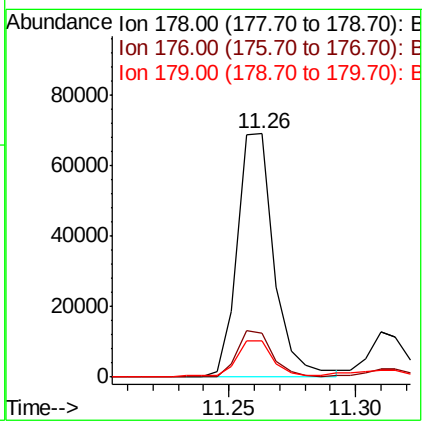


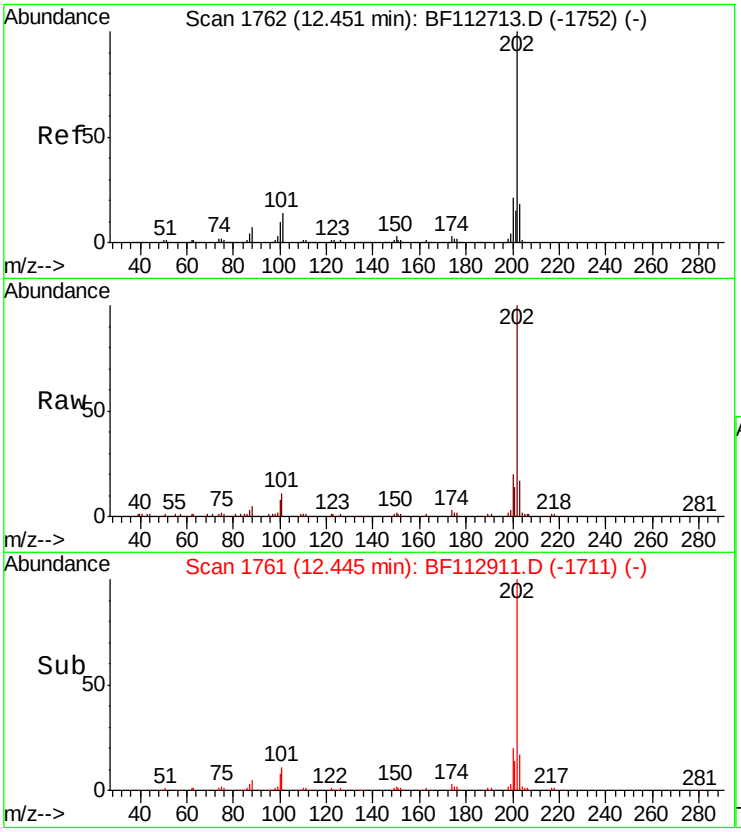




#71
Phenanthrene
Concen: 2.750 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

Tgt Ion:178 Resp: 69968

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.1 | 16.3 | 24.5 |
| 179 | 15.0 | 12.7 | 19.1 |



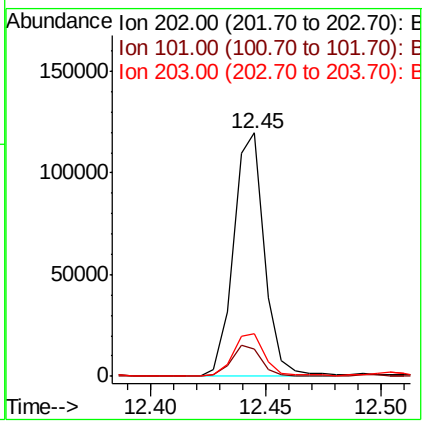


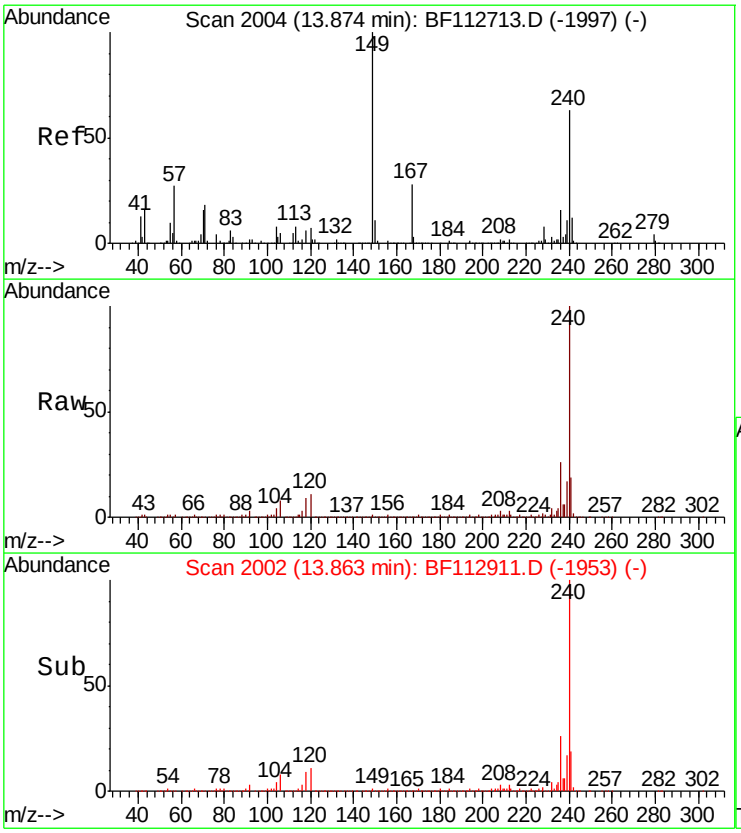

#75
Fluoranthene
Concen: 4.107 ng
RT: 12.45 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

**Instrument :**
BNA_F
**ClientSampleId :**
PST-028-B004-022719

Tgt Ion:202 Resp: 111931

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 11.2 | 0.0 | 33.8 |
| 203 | 17.5 | 0.0 | 38.4 |

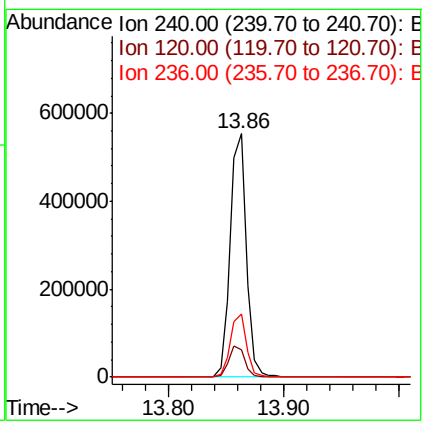


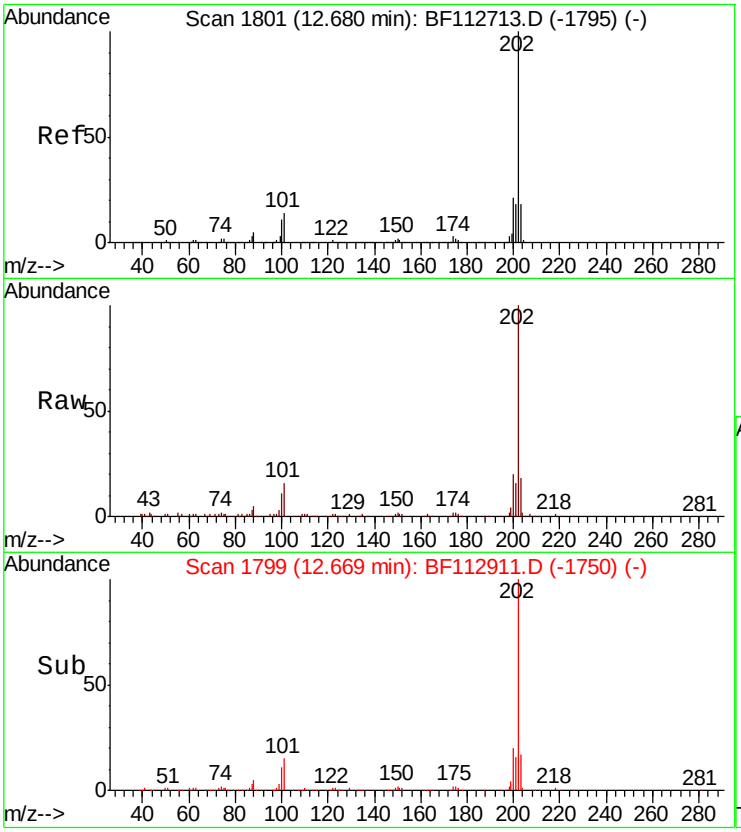




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

Tgt Ion:240 Resp: 537544

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.2 | 8.9 | 13.3 |
| 236 | 25.9 | 20.7 | 31.1 |



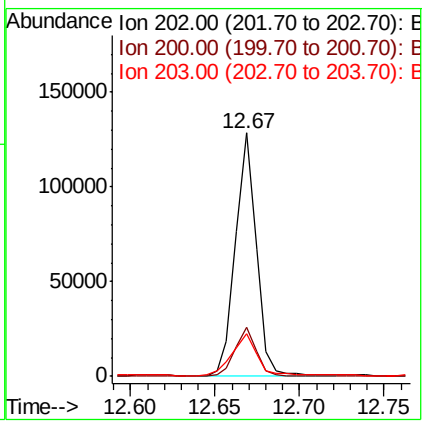


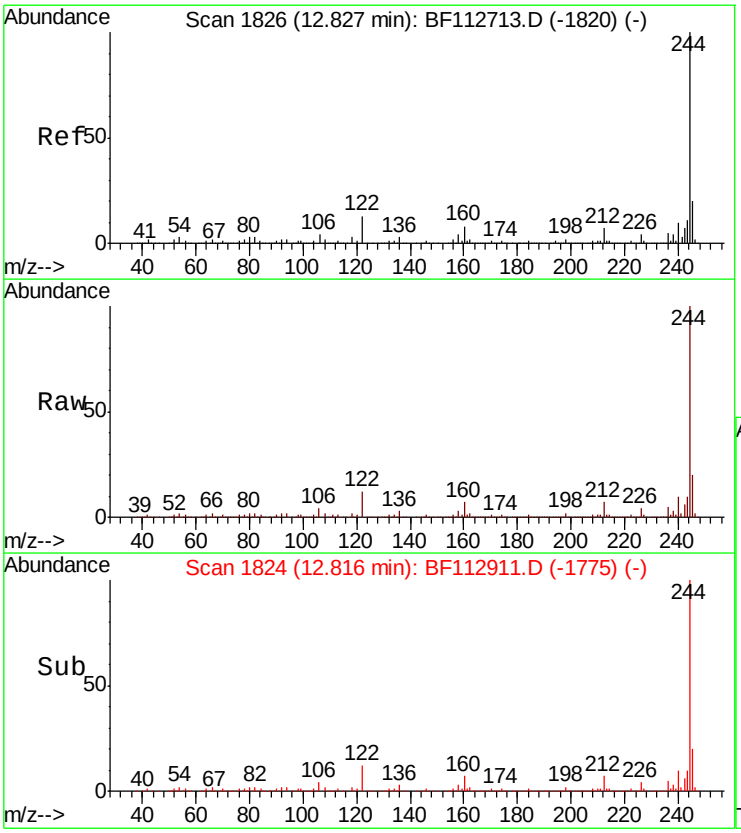

#78
Pyrene
Concen: 2.430 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

**Instrument :**
BNA_F
**ClientSampleId :**
PST-028-B004-022719

Tgt Ion:202 Resp: 110138

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.9 | 17.0 | 25.4 |
| 203 | 17.6 | 14.4 | 21.6 |

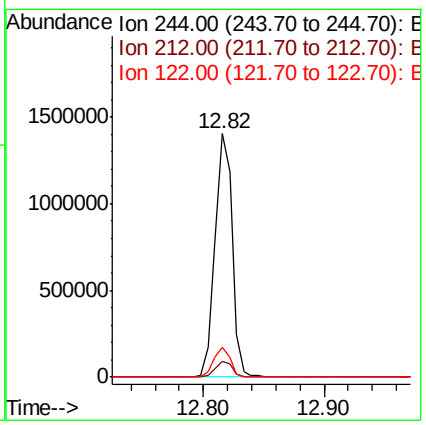


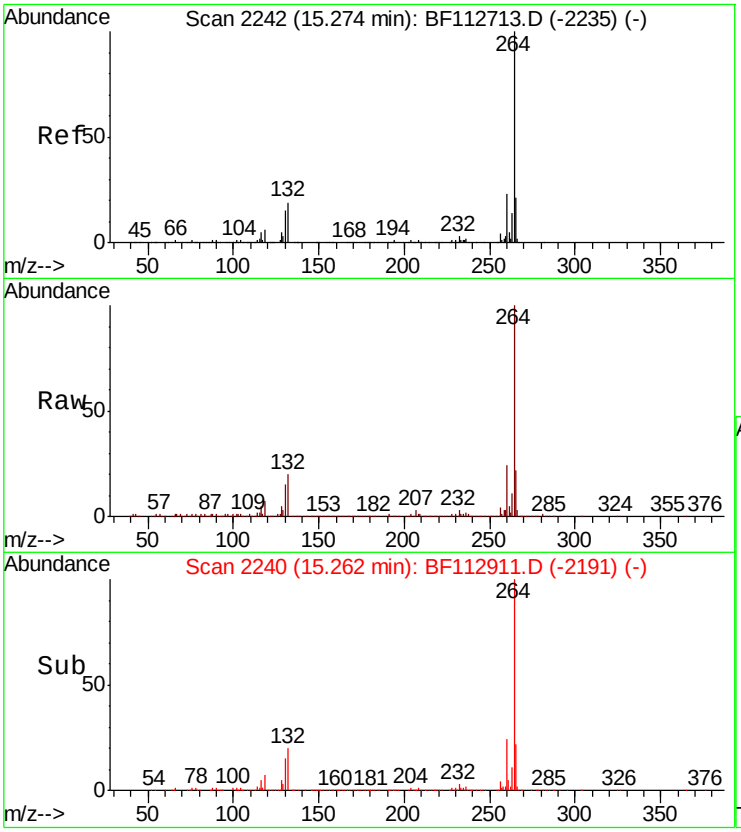




#79
Terphenyl-d14
Concen: 48.966 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

Tgt Ion:244 Resp: 1357829

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.6 | 8.4 |
| 122 | 12.2 | 10.5 | 15.7 |



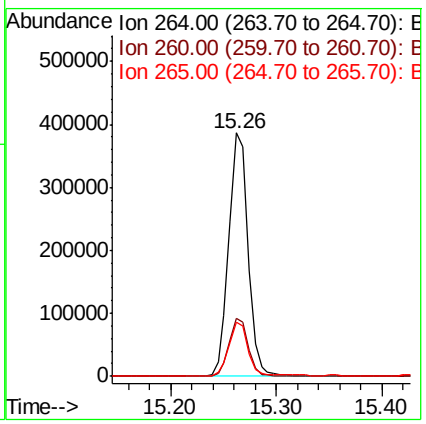


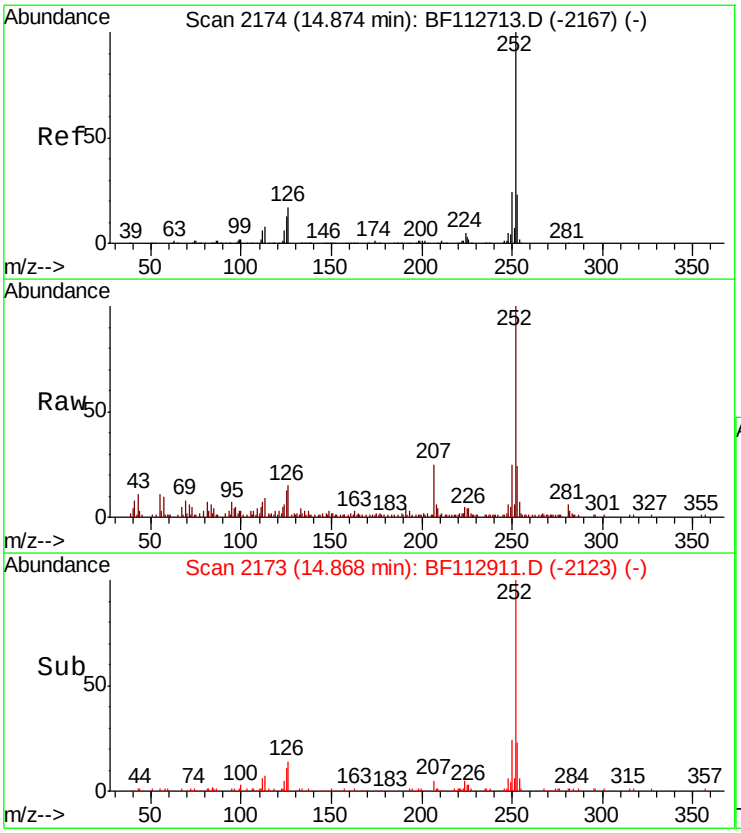

#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

**Instrument :**
BNA_F
**ClientSampleId :**
PST-028-B004-022719

Tgt Ion:264 Resp: 486783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.9 | 18.7 | 28.1 |
| 265 | 22.0 | 17.2 | 25.8 |

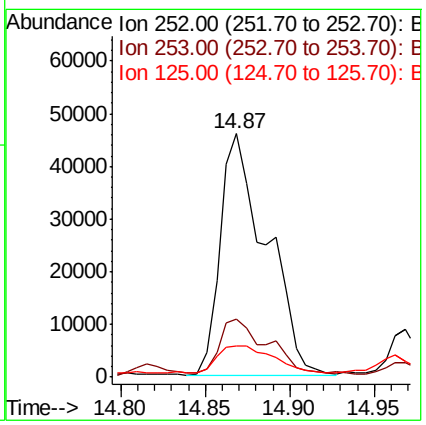


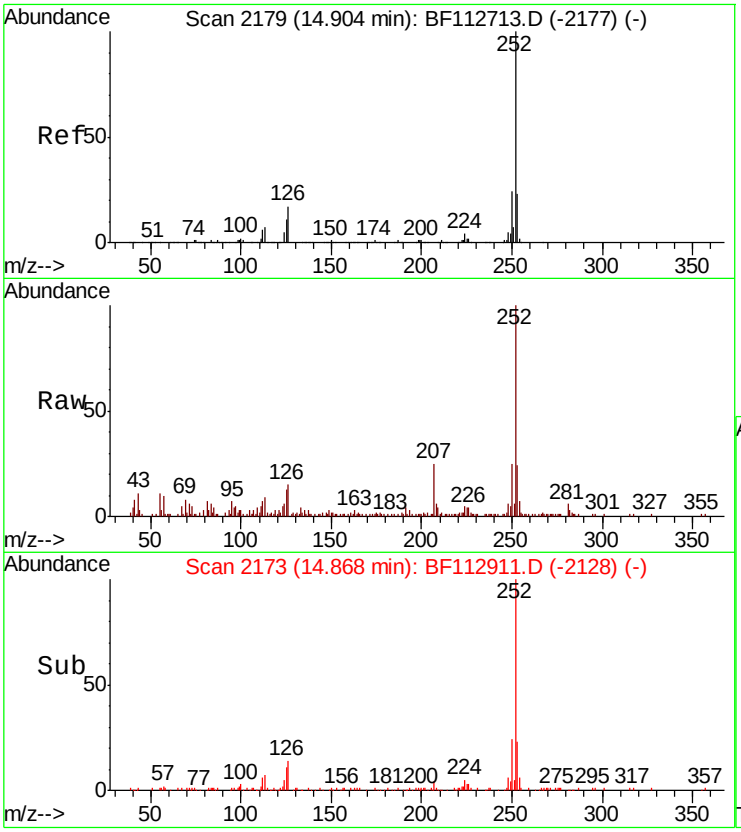




#88
Benzo(b)fluoranthene
Concen: 2.752 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

Tgt Ion:252 Resp: 86658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 18.0 | 27.0 |
| 125 | 12.9 | 10.2 | 15.2 |






#89
Benzo(k)fluoranthene
Concen: 3.038 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF112911.D
Acq: 7 Mar 2019 5:16

**Instrument :**
BNA_F
**ClientSampleId :**
PST-028-B004-022719

Tgt Ion:252 Resp: 86650

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 18.2 | 27.2 |
| 125 | 12.9 | 9.8 | 14.6 |