Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
Data File : BF111539.D
Acq On : 17 Dec 2018 15:07
Operator : JU/SJ
Sample : J6386-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** P001-SS007-0612-01

Quant Time: Dec 18 04:08:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.79 | 152 | 122149 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.07 | 136 | 462054 | 20.00 | ng | | -0.01 |
| 39) Acenaphthene-d10 | 9.82 | 164 | 274754 | 20.00 | ng | | -0.01 |
| 64) Phenanthrene-d10 | 11.31 | 188 | 456277 | 20.00 | ng | | 0.00 |
| 76) Chrysene-d12 | 13.95 | 240 | 439354 | 20.00 | ng | | 0.00 |
| 87) Perylene-d12 | 15.39 | 264 | 347283 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 756612 | 103.07 | ng | | 0.00 |
| 7) Phenol-d6 | 6.44 | 99 | 918332 | 94.05 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.35 | 82 | 566957 | 73.07 | ng | | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.62 | 330 | 227175 | 92.30 | ng | | 0.00 |
| 45) 2-Fluorobiphenyl | 9.15 | 172 | 1296578 | 72.89 | ng | | -0.01 |
| 79) Terphenyl-d14 | 12.89 | 244 | 1050602 | 56.15 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 6) Aniline | 6.45 | 93 | 27135 | 2.240 | ng | # | 1 |
| 10) Phenol | 6.45 | 94 | 78616 | 7.228 | ng | | 96 |
| 19) n-Nitroso-di-n-propylamine | 7.35 | 70 | 75866 | 11.777 | ng | # | 79 |
| 20) 3+4-Methylphenols | 7.20 | 107 | 20220 | 2.284 | ng | # | 59 |
| 25) Isophorone | 7.35 | 82 | 564769 | 43.017 | ng | # | 64 |
| 27) 2,4-Dimethylphenol | 7.73 | 122 | 12252 | 2.059 | ng | | 94 |
| 30) 1,2,4-Trichlorobenzene | 8.01 | 180 | 37257 | 5.602 | ng | | 96 |
| 49) Acenaphthylene | 9.68 | 152 | 78446 | 2.987 | ng | | 94 |
| 50) Dimethylphthalate | 9.54 | 163 | 88053 | 4.450 | ng | | 98 |
| 67) 4-Bromophenyl-phenylether | 10.61 | 248 | 14559 | 2.961 | ng | # | 1 |
| 71) Phenanthrene | 11.33 | 178 | 223366 | 9.500 | ng | | 92 |
| 75) Fluoranthene | 12.52 | 202 | 171477 | 7.455 | ng | | 99 |
| 78) Pyrene | 12.75 | 202 | 301613 | 9.737 | ng | | 94 |
| 81) Benzo(a)anthracene | 13.97 | 228 | 117954 | 4.938 | ng | | 98 |
| 83) Chrysene | 13.97 | 228 | 117954 | 4.687 | ng | | 97 |
| 86) Indeno(1,2,3-cd)pyrene | 16.80 | 276 | 37839 | 2.083 | ng | | 94 |
| 88) Benzo(b)fluoranthene | 14.97 | 252 | 114627 | 5.661 | ng | # | 80 |
| 89) Benzo(k)fluoranthene | 14.97 | 252 | 114627 | 5.925 | ng | # | 80 |
| 90) Benzo(a)pyrene | 15.33 | 252 | 90555 | 4.960 | ng | # | 91 |
| 92) Benzo(g,h,i)perylene | 17.23 | 276 | 48947 | 3.462 | ng | | 97 |

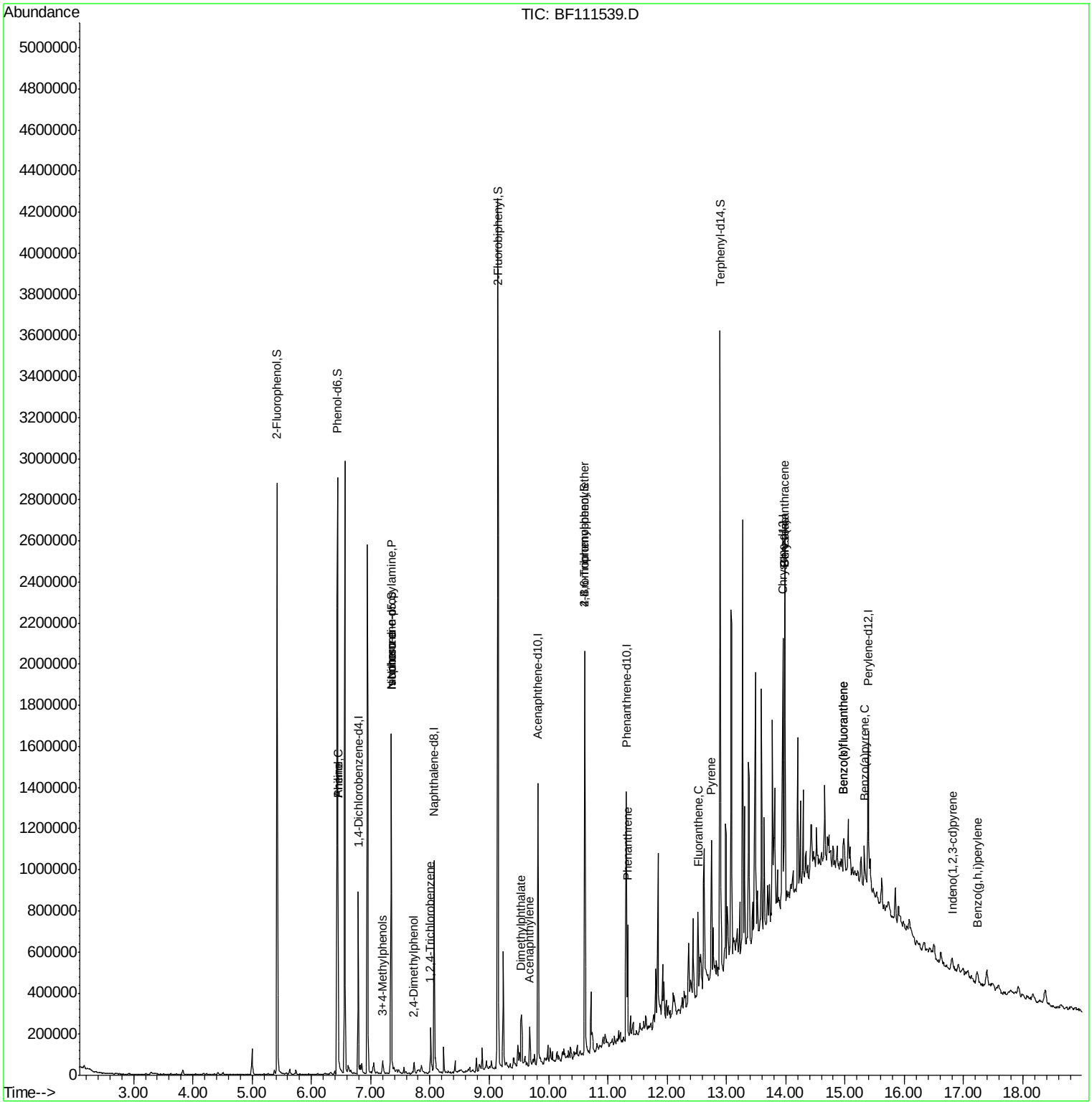
(#) = qualifier out of range (m) = manual integration (+) = signals summed

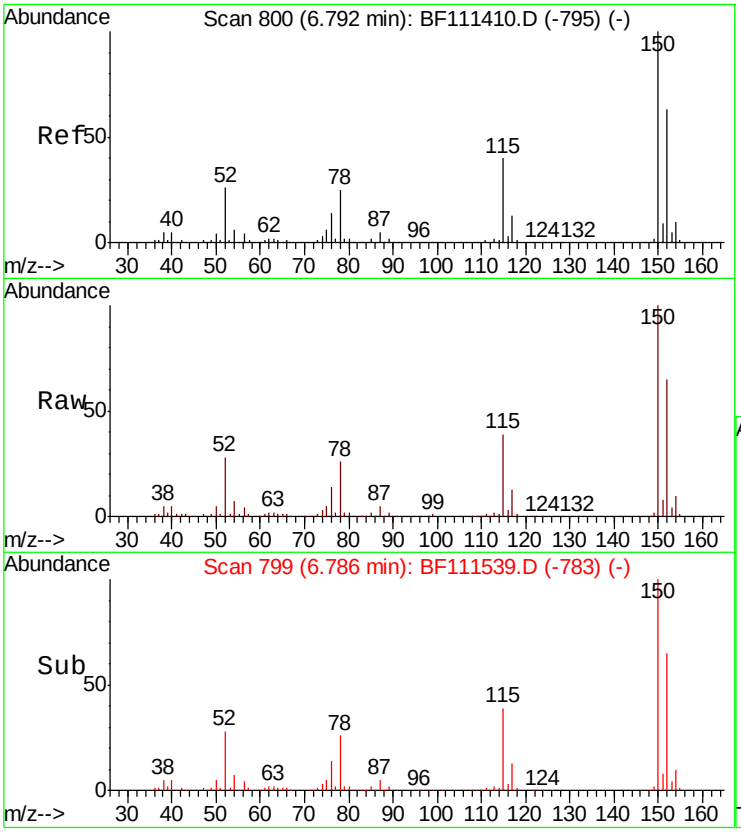
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
Data File : BF111539.D
Acq On : 17 Dec 2018 15:07
Operator : JU/SJ
Sample : J6386-16
Misc :
ALS Vial : 13 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
P001-SS007-0612-01

Quant Time: Dec 18 04:08:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration



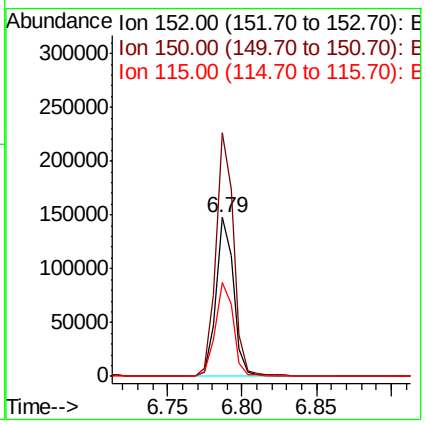


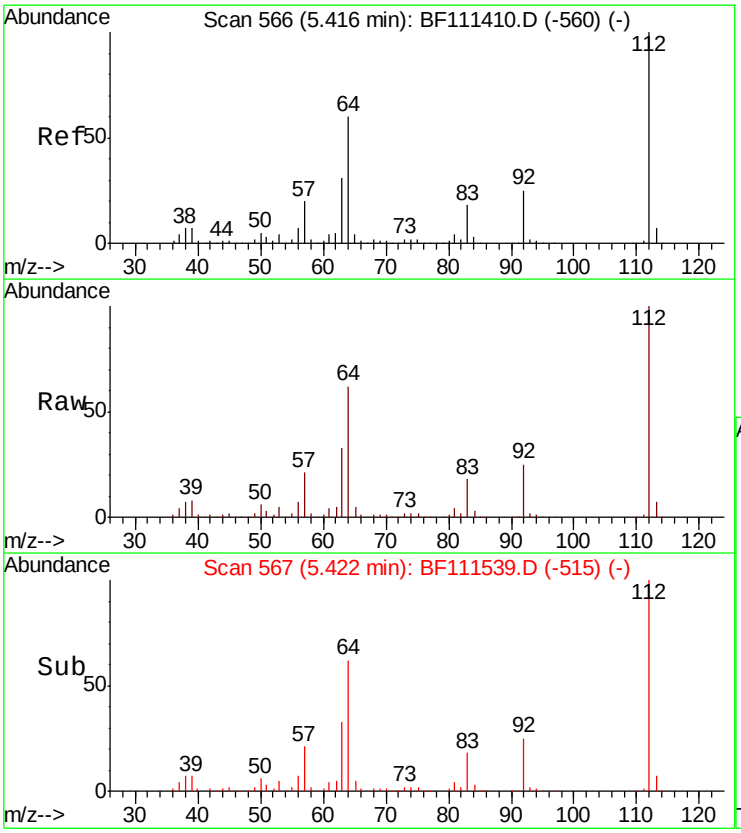

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

**Instrument :**
BNA_F
**ClientSampleId :**
P001-SS007-0612-01

Tgt Ion:152 Resp: 122149

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.4 | 126.6 | 189.8 |
| 115 | 59.2 | 50.7 | 76.1 |

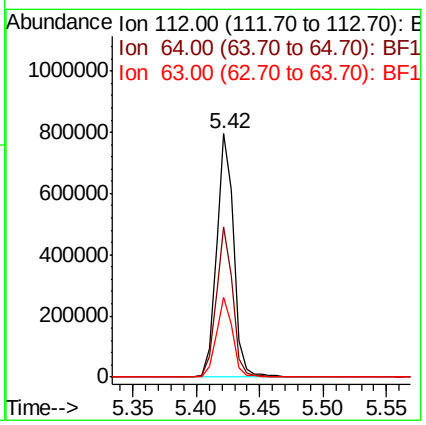


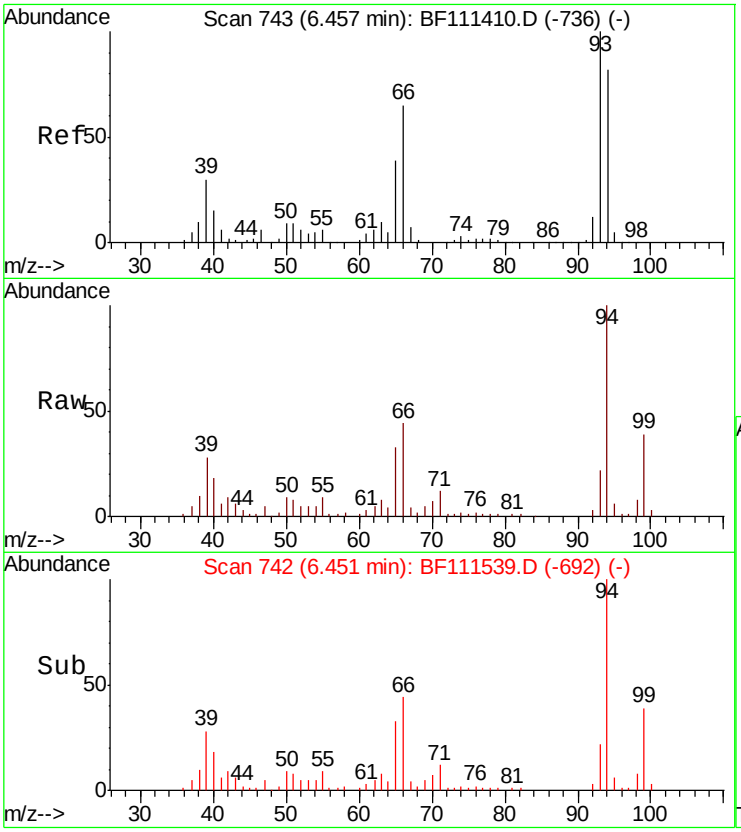




#5
2-Fluorophenol
Concen: 103.075 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion:112 Resp: 756612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.7 | 51.8 | 77.6 |
| 63 | 32.9 | 26.8 | 40.2 |



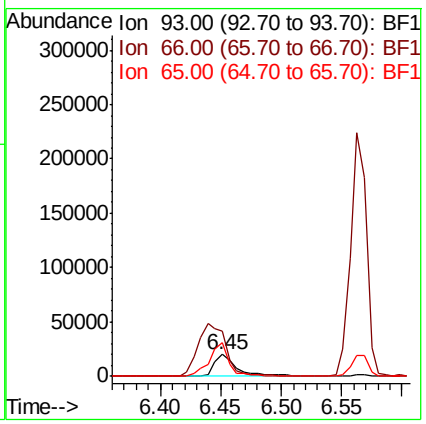


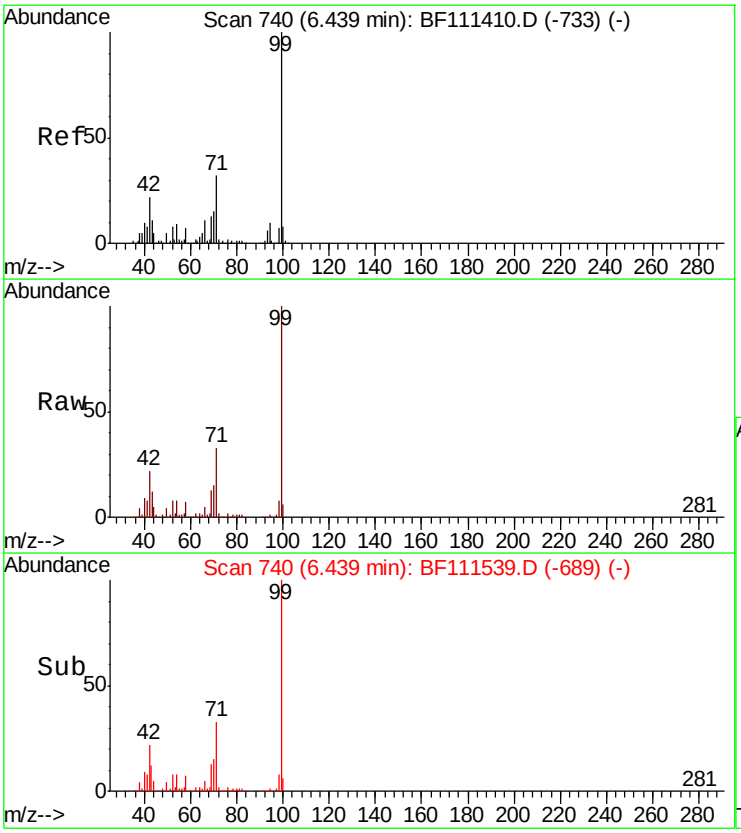

#6
Aniline
Concen: 2.240 ng
RT: 6.45 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

**Instrument :**
BNA_F
**ClientSampleId :**
P001-SS007-0612-01

Tgt Ion: 93 Resp: 27135

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 93 | 100 | | |
| 66 | 205.2 | 33.2 | 49.8# |
| 65 | 153.6 | 17.0 | 25.4# |

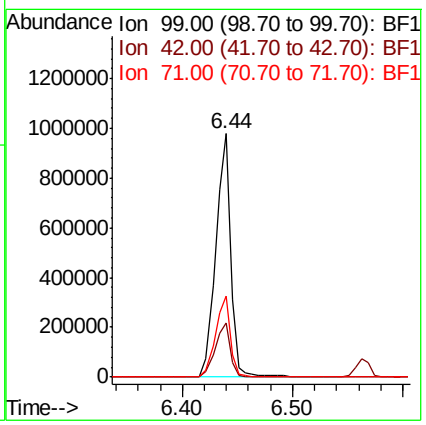


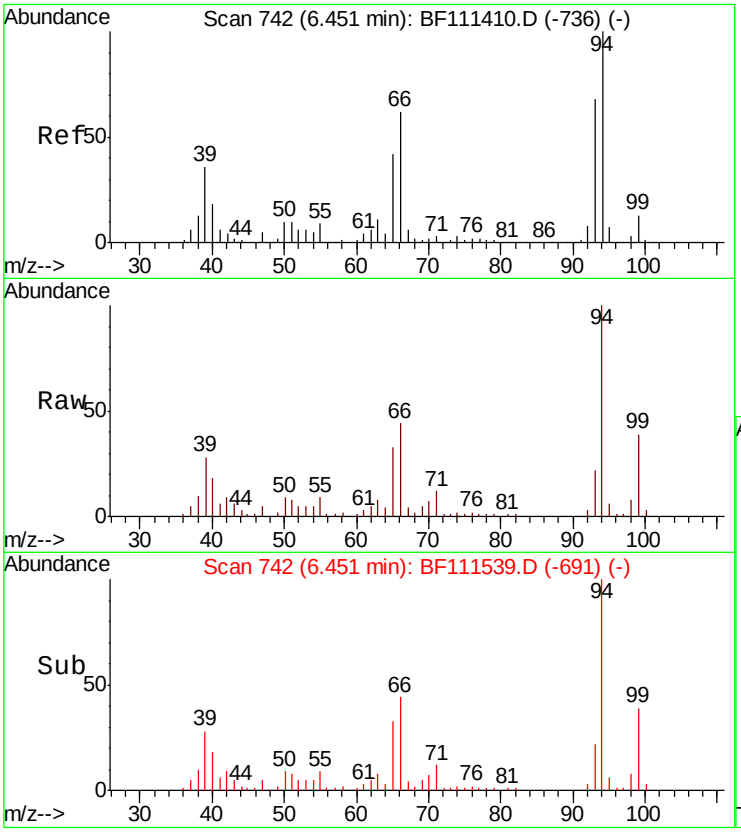




#7
Phenol-d6
Concen: 94.052 ng
RT: 6.44 min Scan# 740
Delta R.T. -0.00 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion: 99 Resp: 918332

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 22.5 | 17.4 | 26.0 |
| 71 | 33.2 | 26.1 | 39.1 |



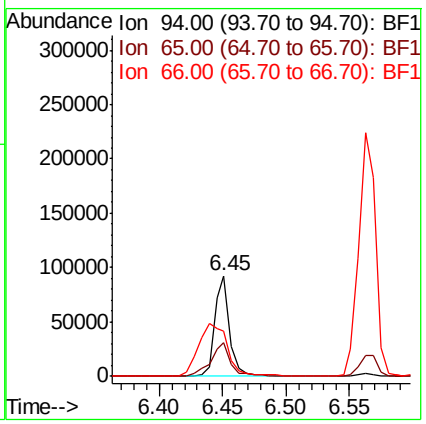


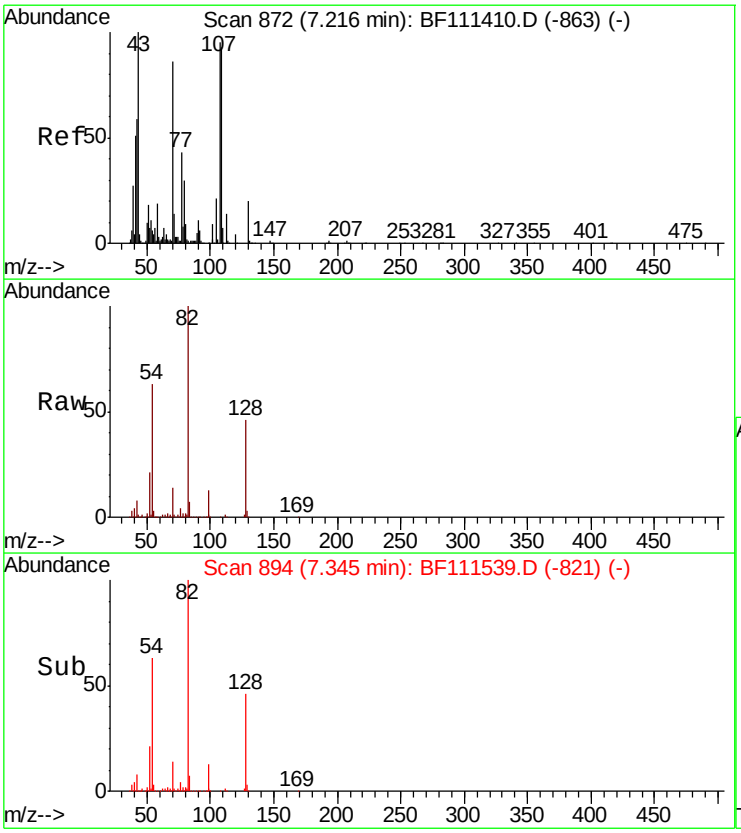

#10
Phenol
Concen: 7.228 ng
RT: 6.45 min Scan# 742
Delta R.T. -0.00 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

**Instrument :**
BNA_F
**ClientSampleId :**
P001-SS007-0612-01

Tgt Ion: 94 Resp: 78616

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 33.3 | 11.7 | 51.7 |
| 66 | 44.4 | 21.0 | 61.0 |

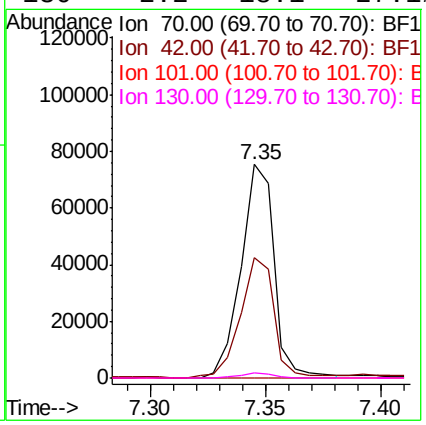


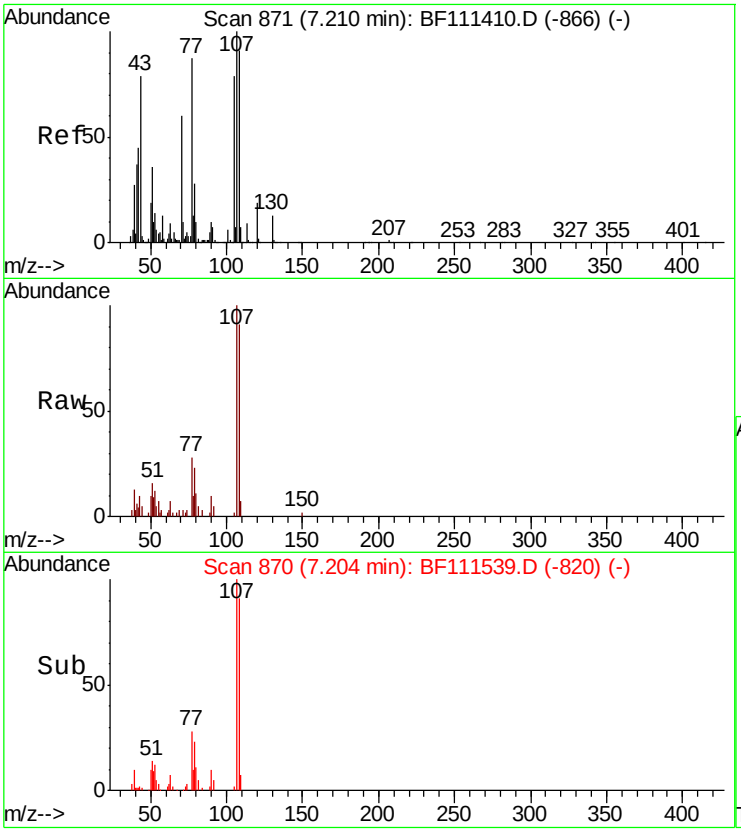




#19
n-Nitroso-di-n-propylamine
Concen: 11.777 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.13 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion: 70 Resp: 75866

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 56.6 | 53.2 | 79.8 |
| 101 | 0.0 | 8.2 | 12.4# |
| 130 | 2.2 | 18.1 | 27.1# |



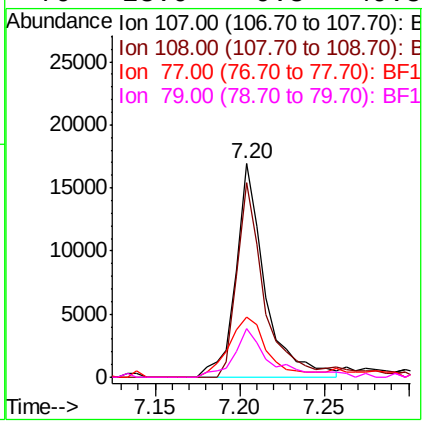


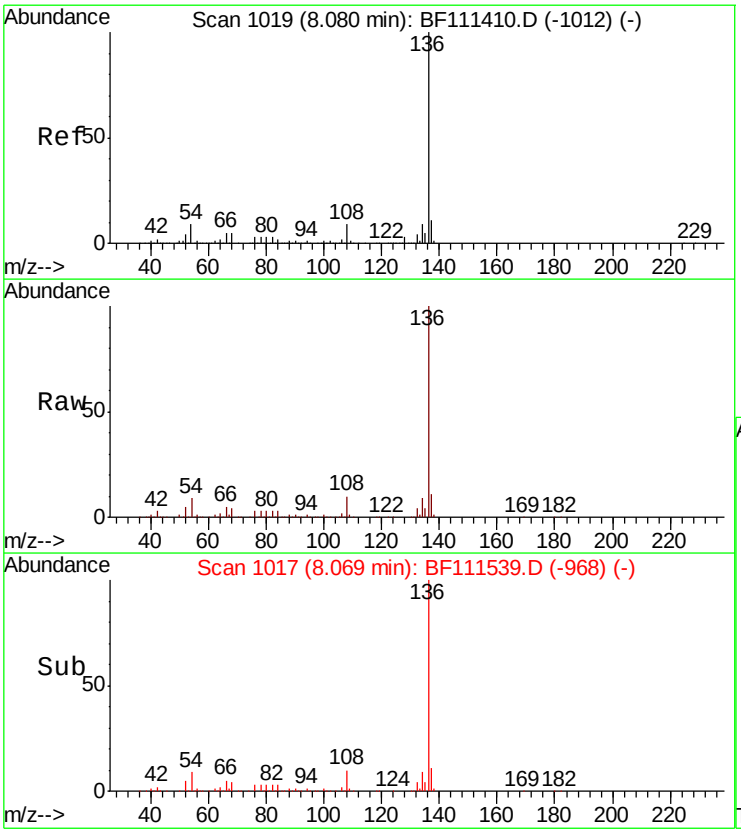

#20
3+4-Methylphenols
Concen: 2.284 ng
RT: 7.20 min Scan# 870
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

**Instrument :**
BNA_F
**ClientSampleId :**
P001-SS007-0612-01

Tgt Ion:107 Resp: 20220

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 91.1 | 72.1 | 112.1 |
| 77 | 28.0 | 94.1 | 134.1# |
| 79 | 23.0 | 9.8 | 49.8 |

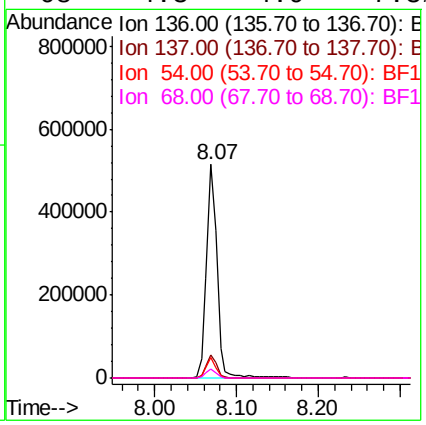


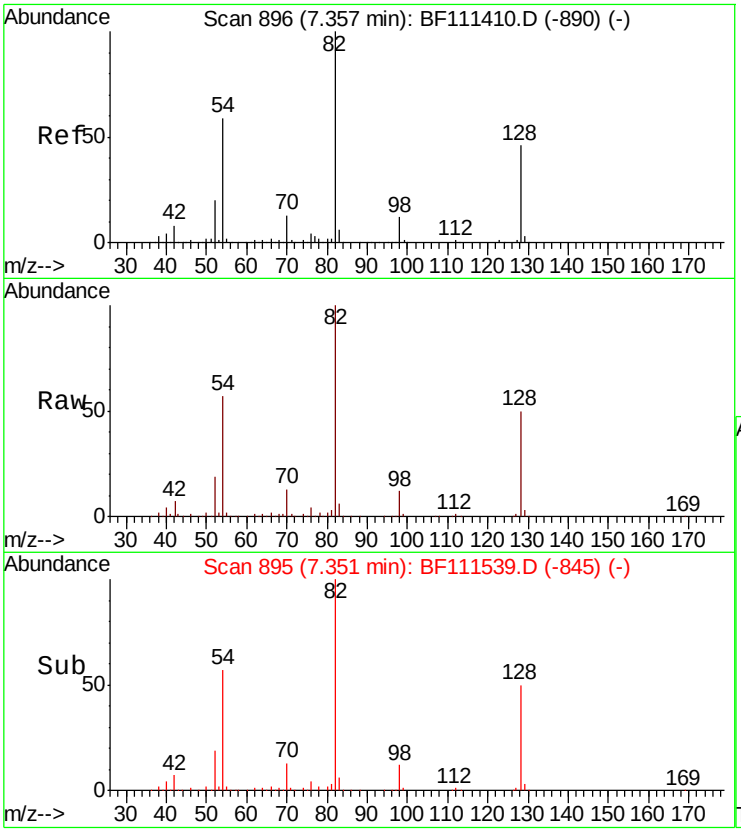




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion:136 Resp: 462054

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.0 | 9.1 | 13.7 |
| 54 | 9.5 | 7.7 | 11.5 |
| 68 | 4.3 | 4.9 | 7.3# |



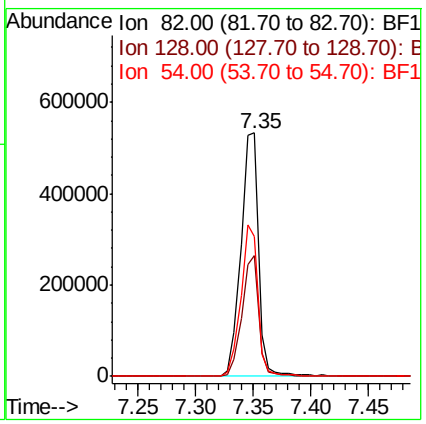


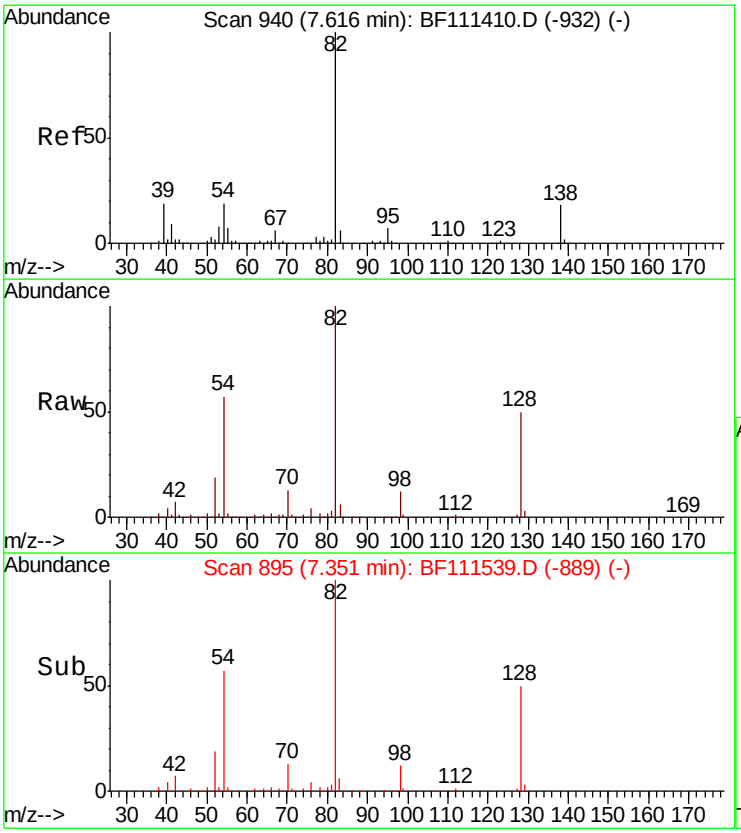

#23
Nitrobenzene-d5
Concen: 73.068 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

**Instrument :**
BNA_F
**ClientSampleId :**
P001-SS007-0612-01

Tgt Ion: 82 Resp: 566957

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 49.5 | 37.4 | 56.2 |
| 54 | 57.3 | 47.6 | 71.4 |

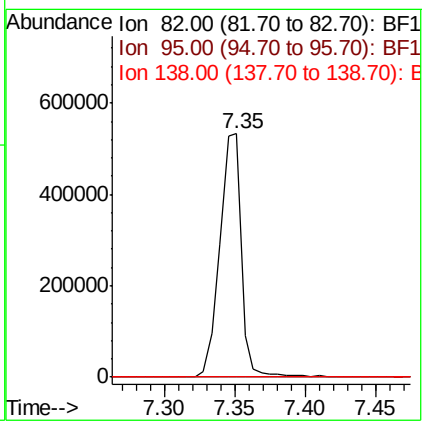


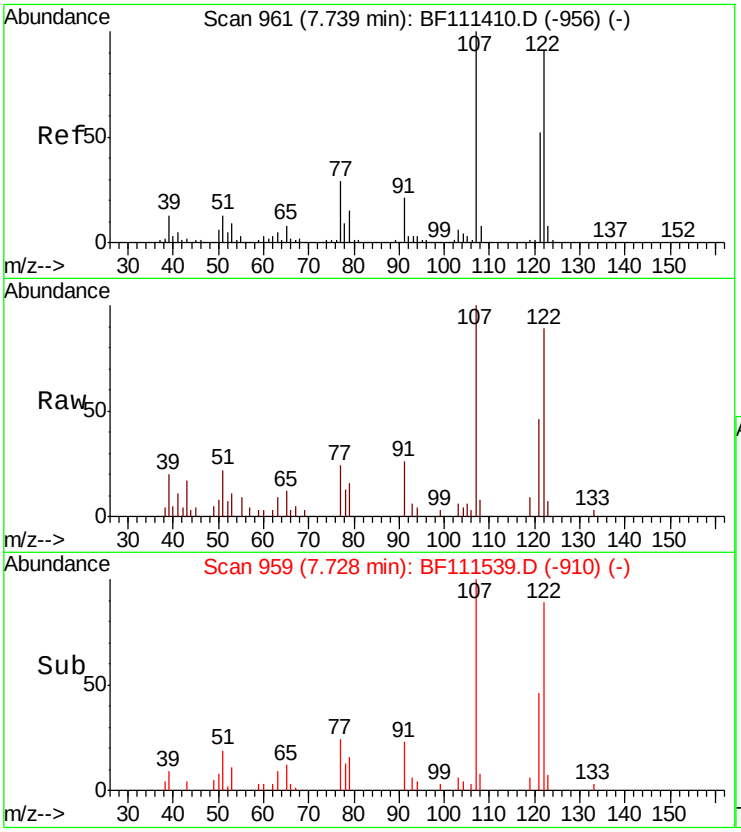




#25
Isophorone
Concen: 43.017 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.26 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion: 82 Resp: 564769

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.4 | 8.2# |
| 138 | 0.0 | 15.1 | 22.7# |



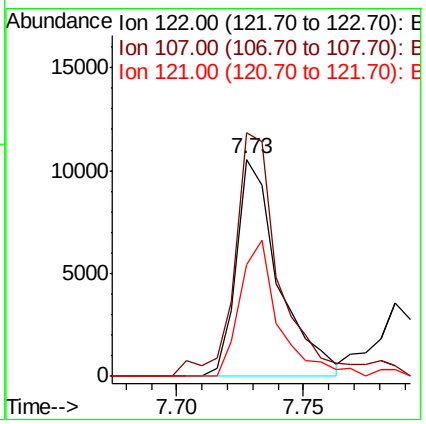


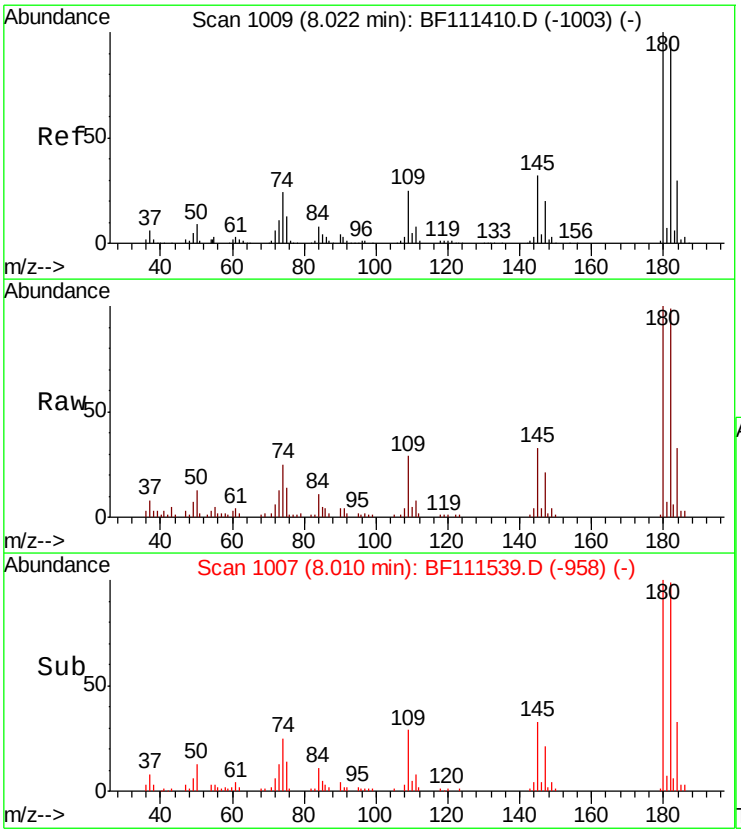

#27
2,4-Dimethylphenol
Concen: 2.059 ng
RT: 7.73 min Scan# 959
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

**Instrument :**
BNA_F
**ClientSampleId :**
P001-SS007-0612-01

Tgt Ion:122 Resp: 12252

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 112.0 | 85.5 | 128.3 |
| 121 | 51.4 | 46.6 | 70.0 |

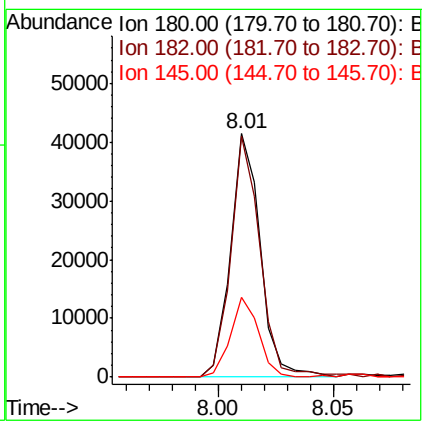


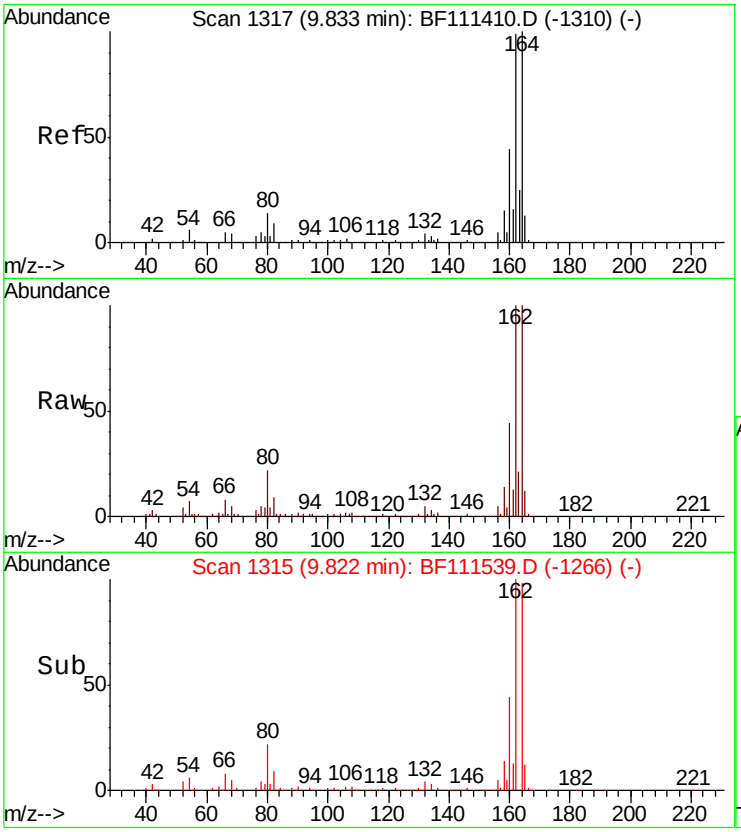




#30
1,2,4-Trichlorobenzene
Concen: 5.602 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion:180 Resp: 37257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 99.2 | 75.6 | 113.4 |
| 145 | 32.6 | 26.7 | 40.1 |



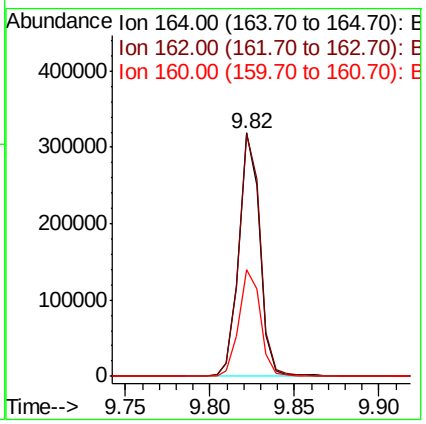


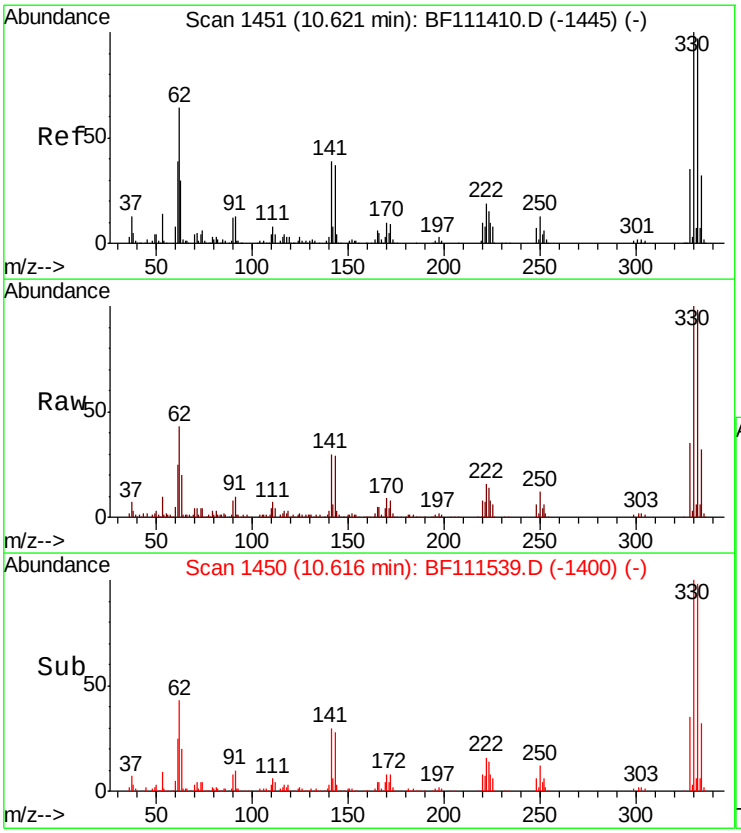

#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

**Instrument :**
BNA_F
**ClientSampleId :**
P001-SS007-0612-01

Tgt Ion:164 Resp: 274754

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 99.5 | 81.4 | 122.0 |
| 160 | 43.6 | 35.7 | 53.5 |

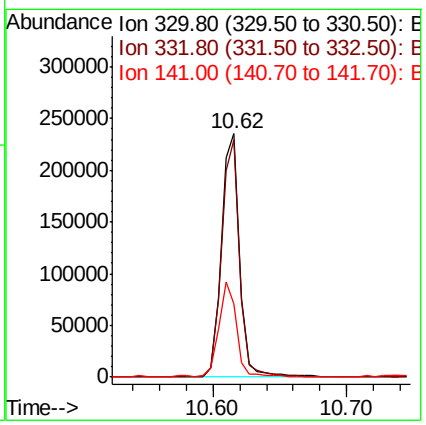


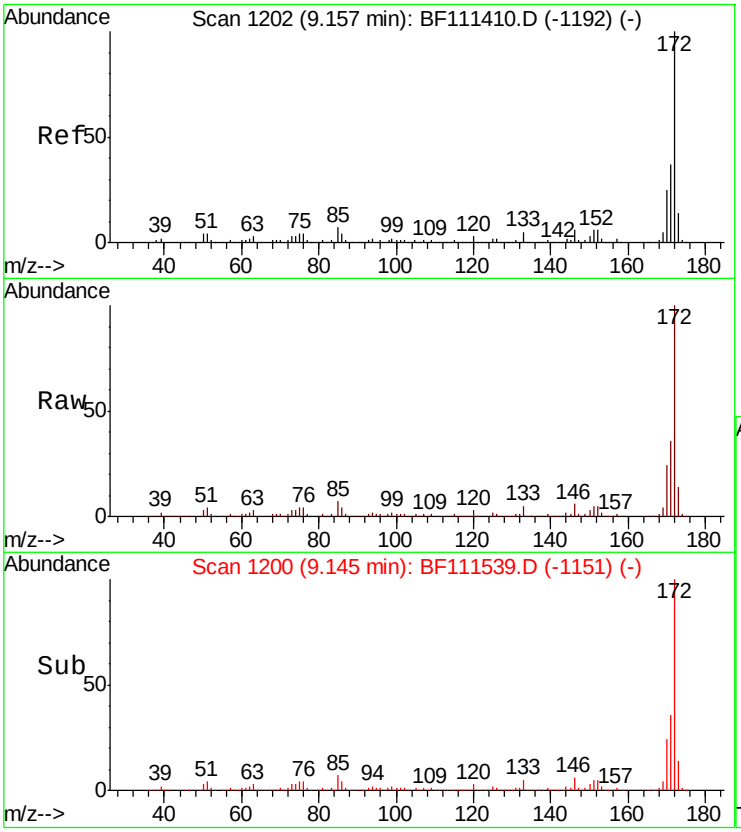




#42
2,4,6-Tribromophenol
Concen: 92.302 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion:330 Resp: 227175

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 96.6 | 76.0 | 114.0 |
| 141 | 36.7 | 31.0 | 46.6 |



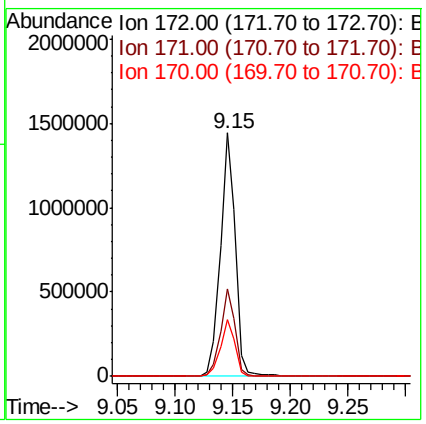


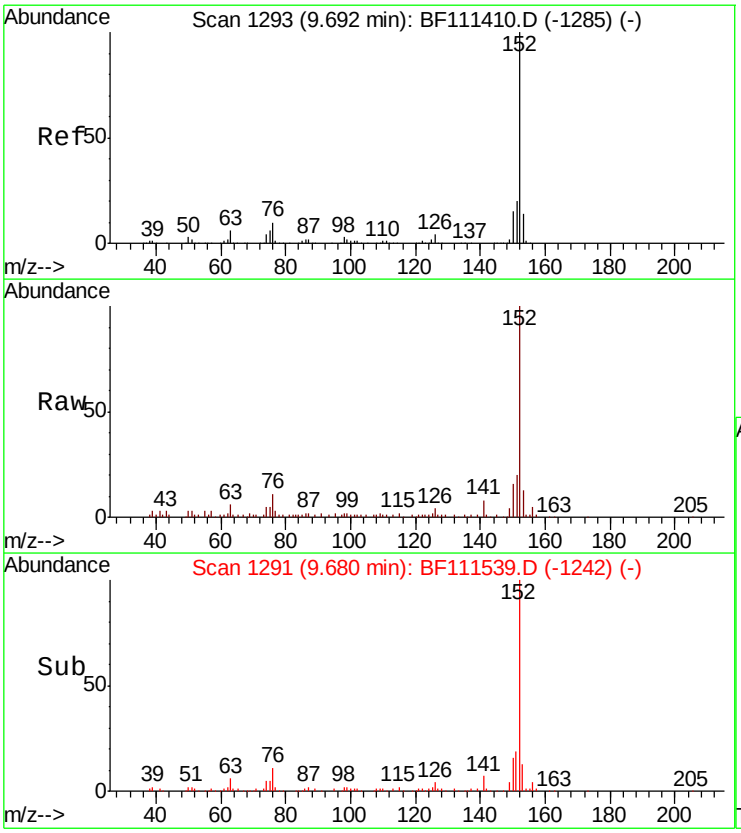

#45
2-Fluorobiphenyl
Concen: 72.892 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

**Instrument :**
BNA_F
**ClientSampleId :**
P001-SS007-0612-01

Tgt Ion:172 Resp: 1296578

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 33.0 | 49.4 |
| 170 | 23.6 | 22.3 | 33.5 |

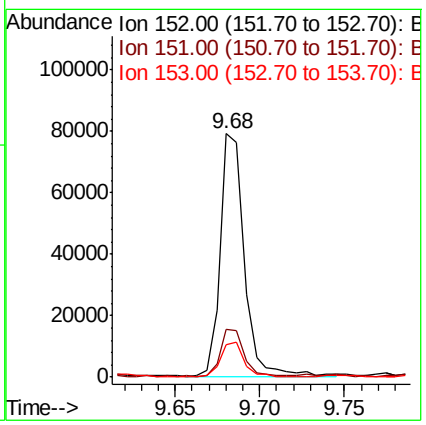


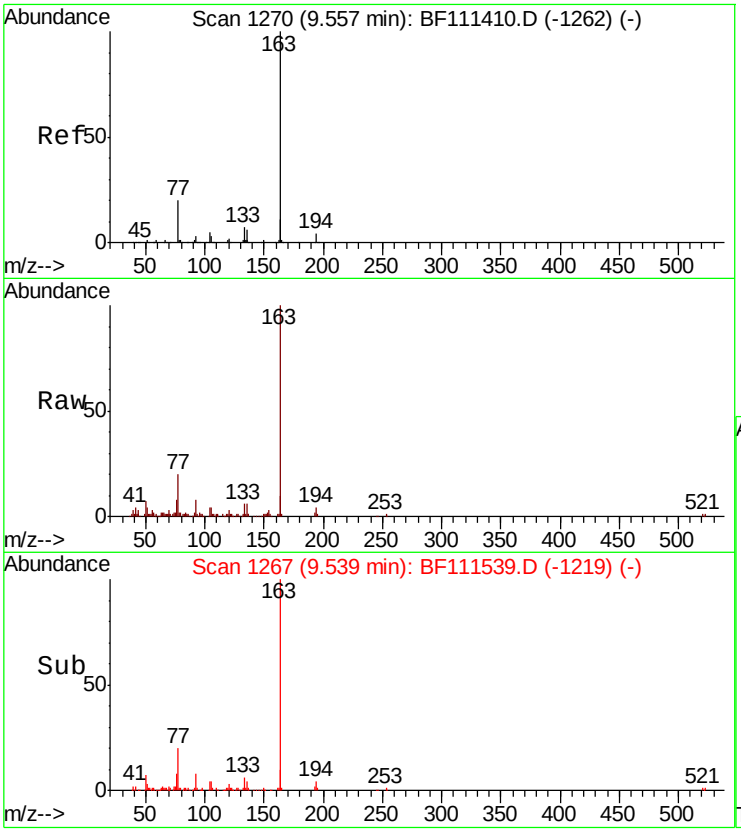




#49
Acenaphthylene
Concen: 2.987 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion:152 Resp: 78446

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 19.5 | 18.0 | 27.0 |
| 153 | 13.2 | 12.3 | 18.5 |



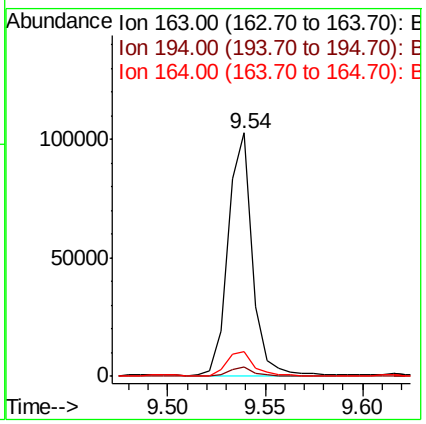


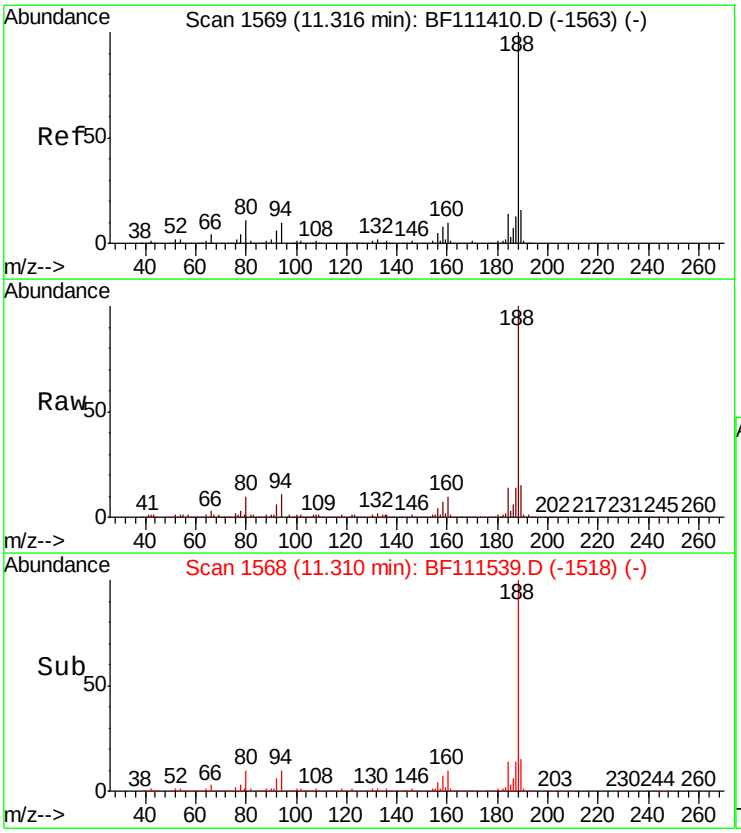

#50
Dimethylphthalate
Concen: 4.450 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

**Instrument :**
BNA_F
**ClientSampleId :**
P001-SS007-0612-01

Tgt Ion:163 Resp: 88053

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.6 | 3.0 | 4.6 |
| 164 | 10.3 | 8.9 | 13.3 |

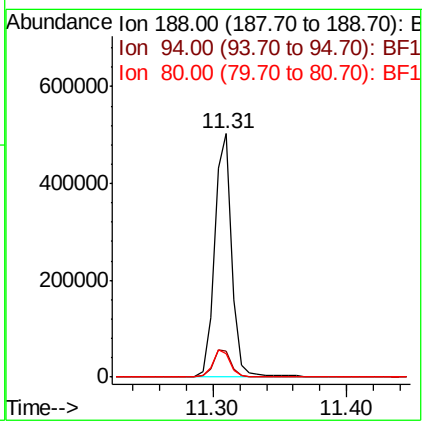


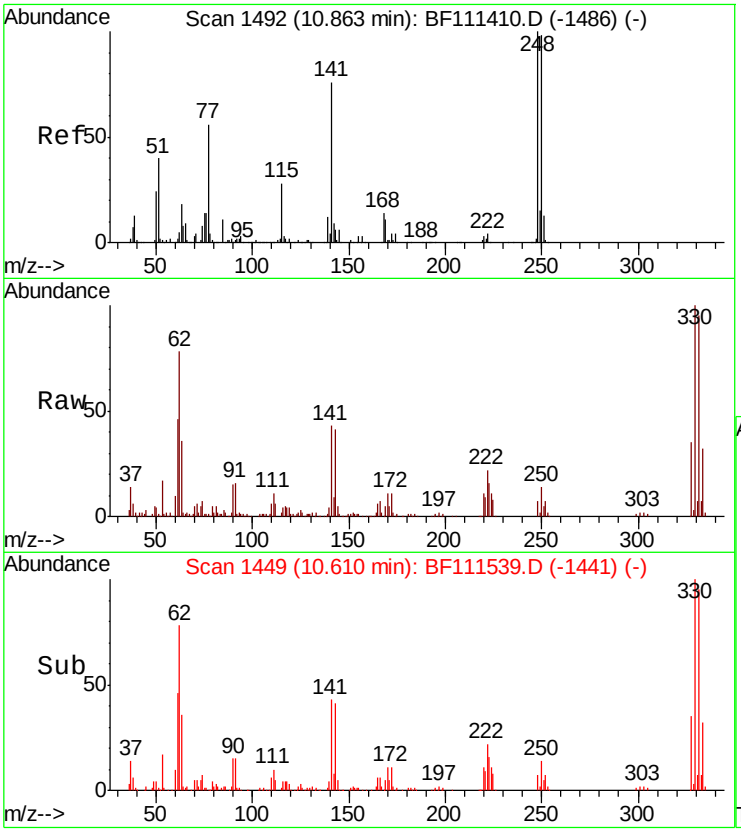




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion:188 Resp: 456277

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.6 | 9.6 | 14.4 |
| 80 | 9.9 | 9.8 | 14.6 |



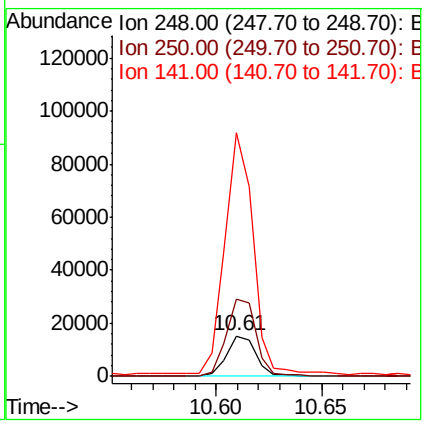


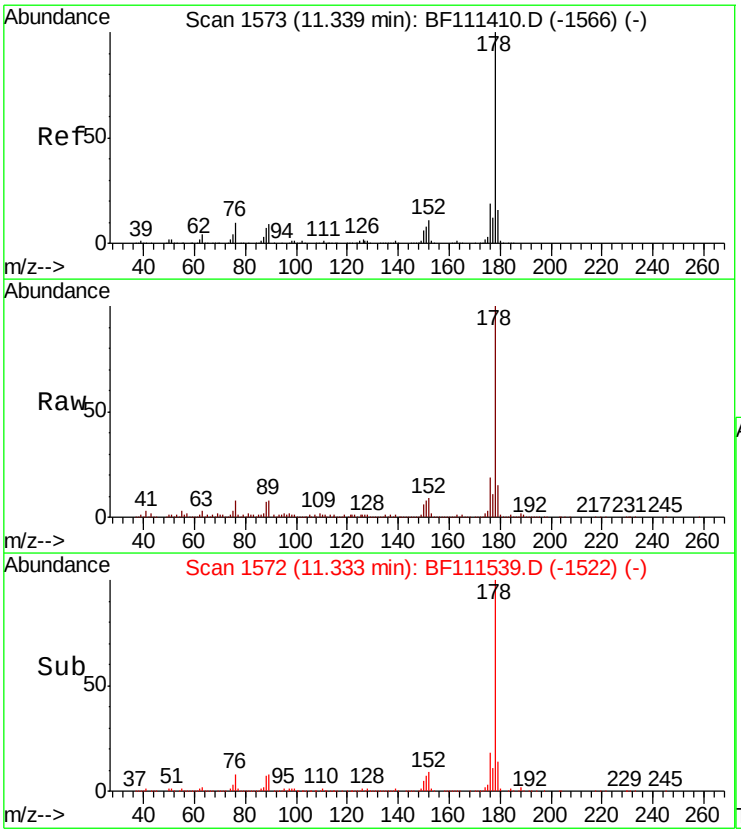

#67
4-Bromophenyl-phenylether
Concen: 2.961 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.25 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

**Instrument :**
BNA_F
**ClientSampleId :**
P001-SS007-0612-01

Tgt Ion:248 Resp: 14559

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 192.0 | 77.0 | 115.4# |
| 141 | 607.5 | 63.0 | 94.6# |

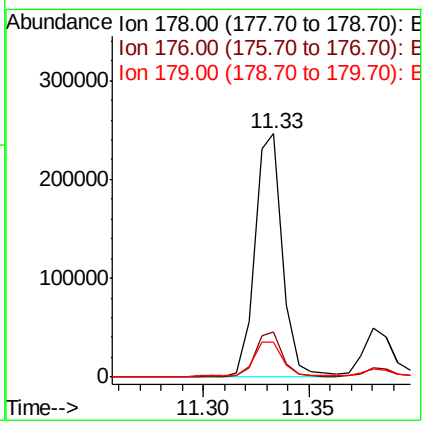


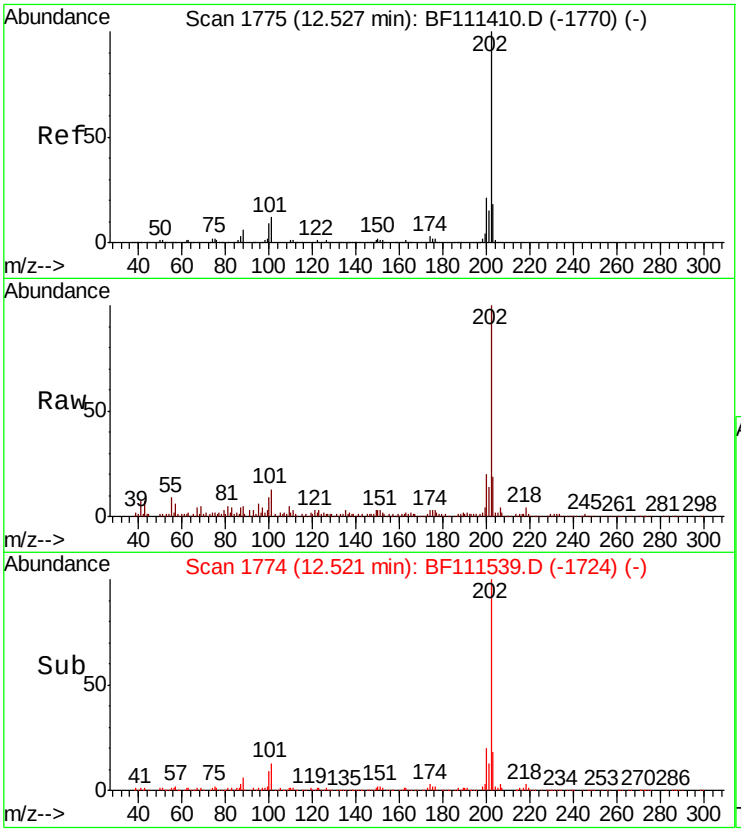




#71
Phenanthrene
Concen: 9.500 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion:178 Resp: 223366

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.7 | 18.1 | 27.1 |
| 179 | 14.5 | 14.0 | 21.0 |



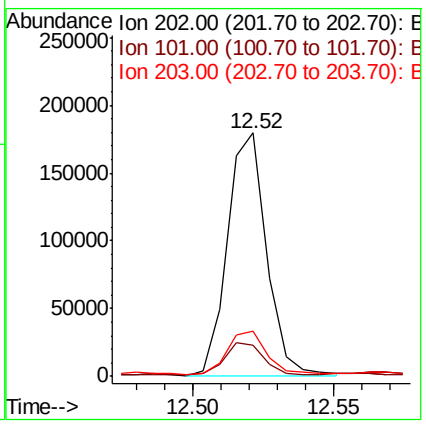


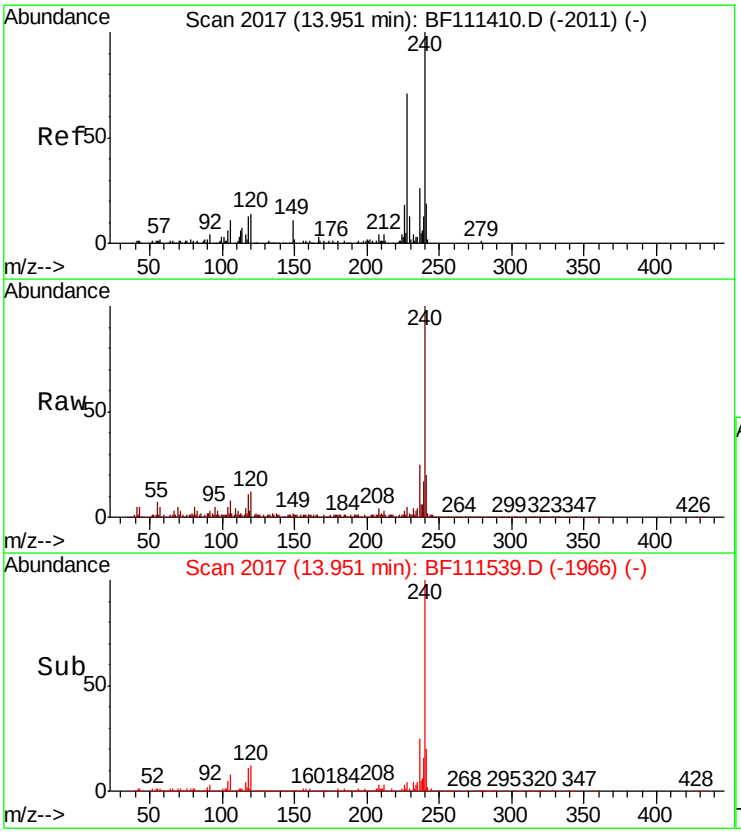

#75
Fluoranthene
Concen: 7.455 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

**Instrument :**
BNA_F
**ClientSampleId :**
P001-SS007-0612-01

Tgt Ion:202 Resp: 171477

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.9 | 0.0 | 33.8 |
| 203 | 18.6 | 0.0 | 38.6 |

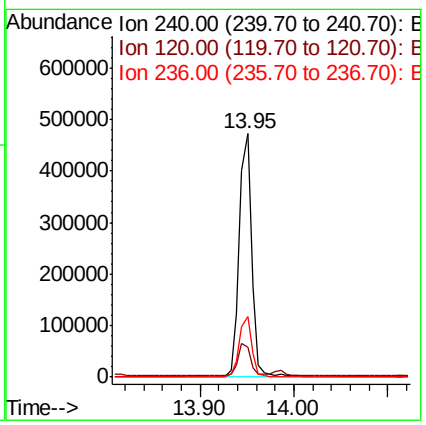


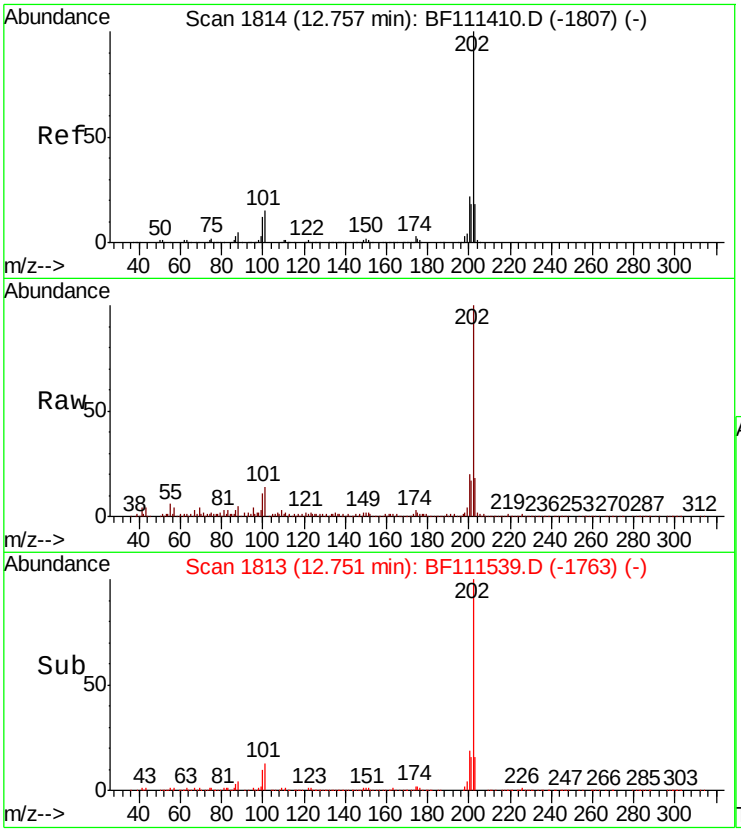




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion:240 Resp: 439354

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.3 | 12.2 | 18.2 |
| 236 | 25.0 | 20.2 | 30.2 |



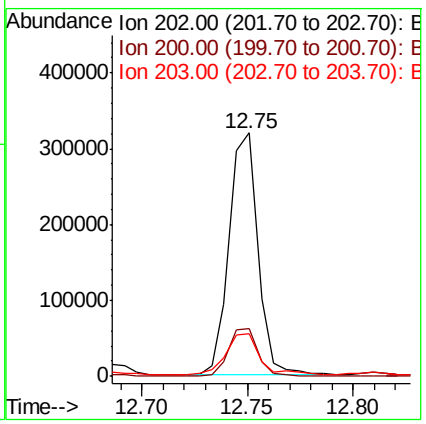


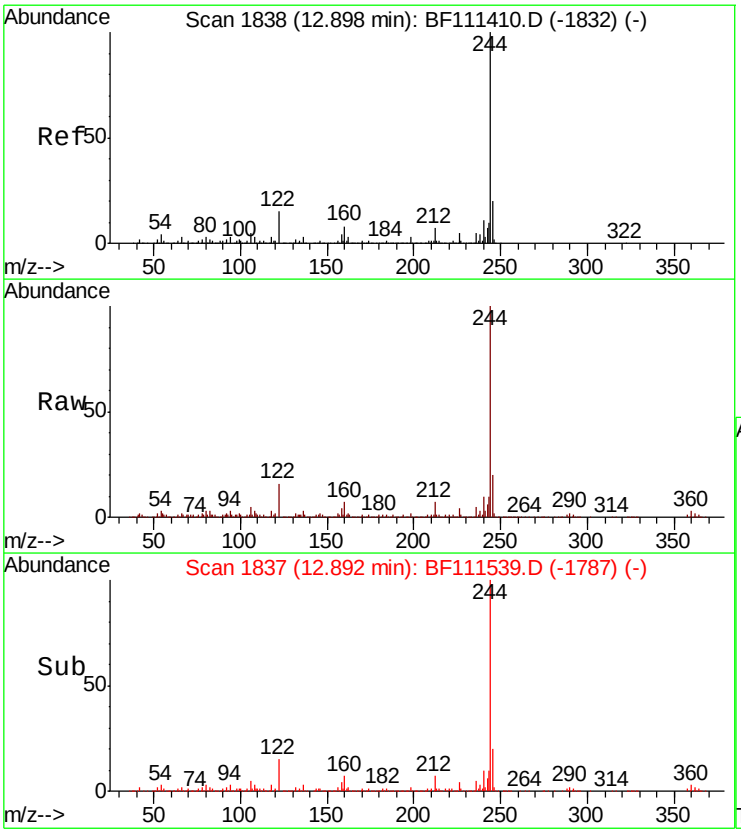

#78
Pyrene
Concen: 9.737 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

**Instrument :**
BNA_F
**ClientSampleId :**
P001-SS007-0612-01

Tgt Ion:202 Resp: 301613

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 19.6 | 19.0 | 28.4 |
| 203 | 17.6 | 15.2 | 22.8 |

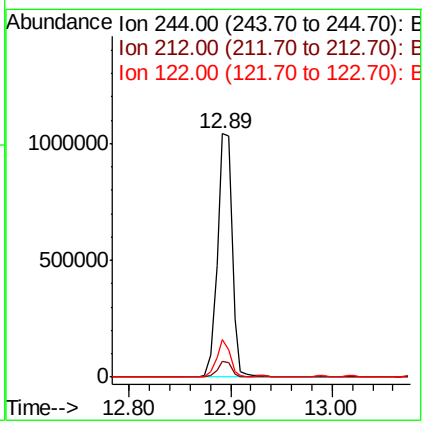


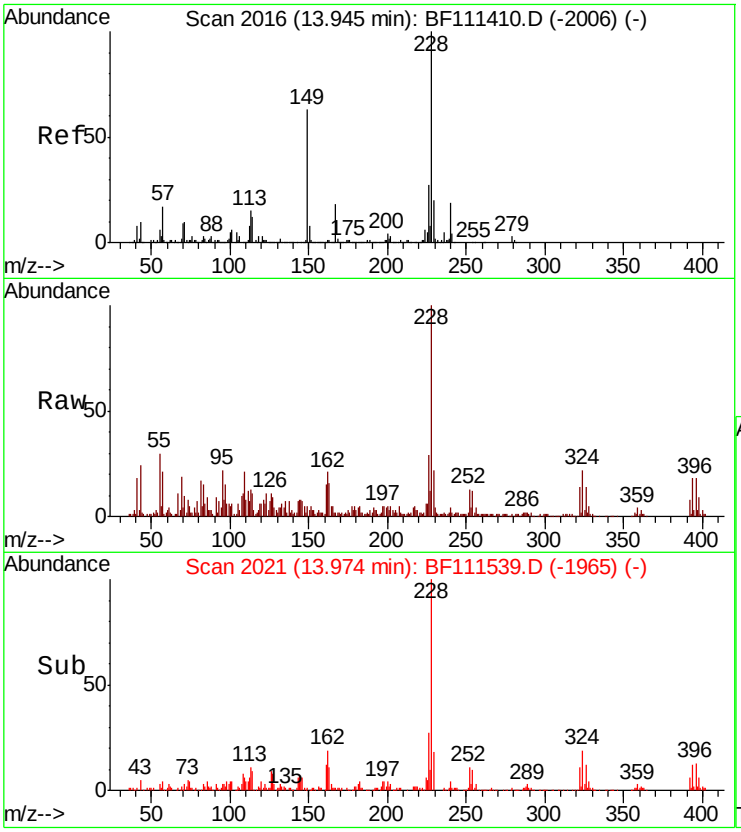




#79
Terphenyl-d14
Concen: 56.152 ng
RT: 12.89 min Scan# 1837
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion:244 Resp: 1050602

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.6 | 5.7 | 8.5 |
| 122 | 15.6 | 13.1 | 19.7 |



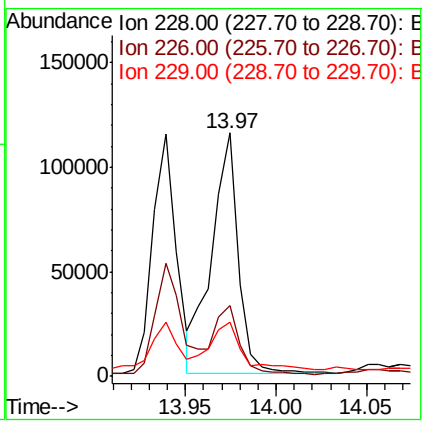


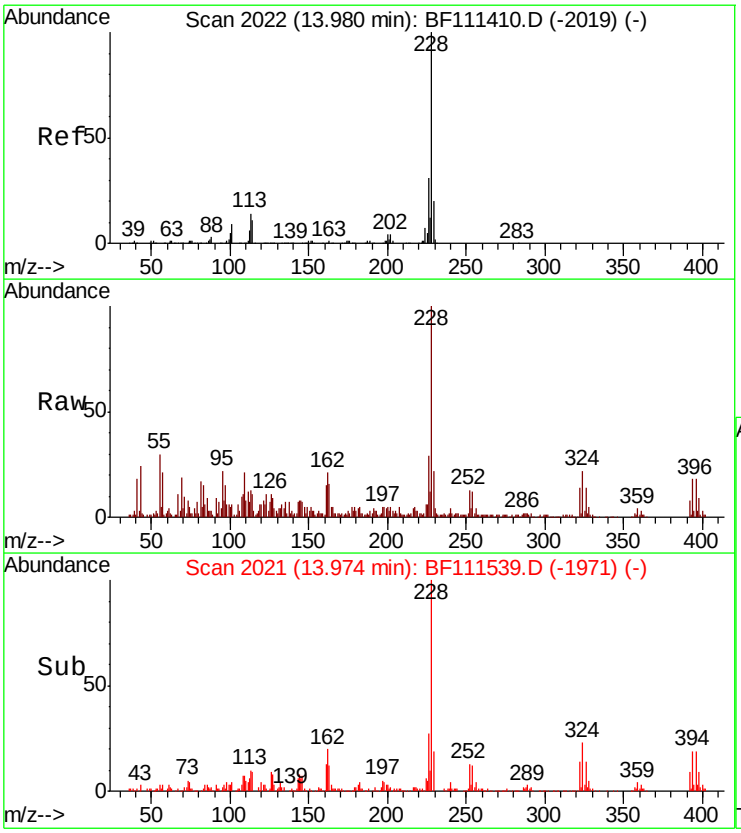

#81
Benzo(a)anthracene
Concen: 4.938 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.03 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

**Instrument :**
BNA_F
**ClientSampleId :**
P001-SS007-0612-01

Tgt Ion:228 Resp: 117954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.0 | 22.6 | 34.0 |
| 229 | 22.1 | 16.3 | 24.5 |

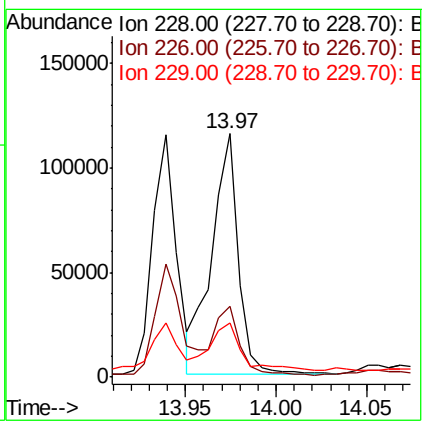


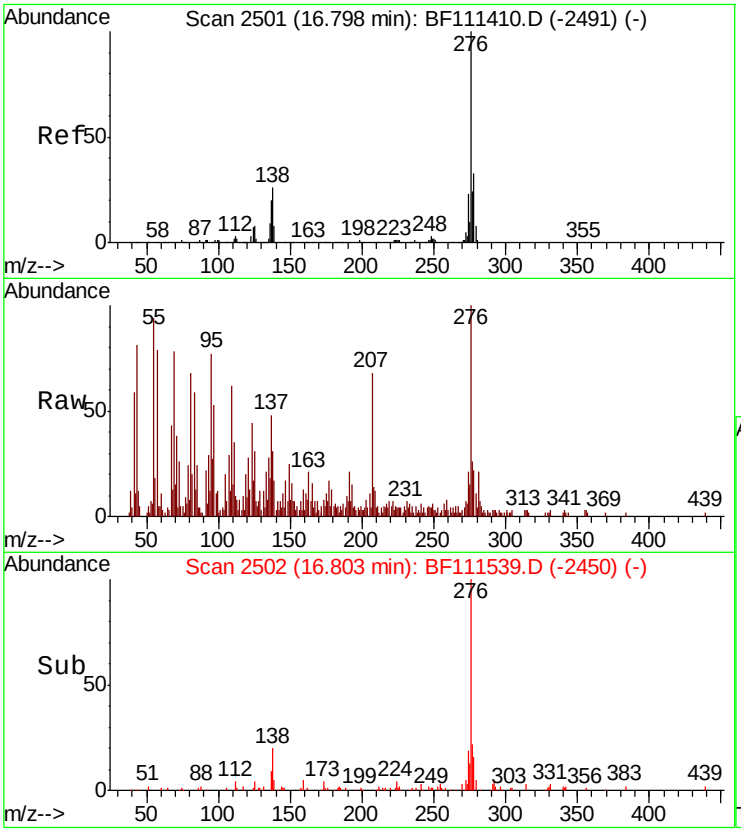




#83
Chrysene
Concen: 4.687 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion:228 Resp: 117954

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 29.0 | 25.3 | 37.9 |
| 229 | 22.1 | 17.2 | 25.8 |



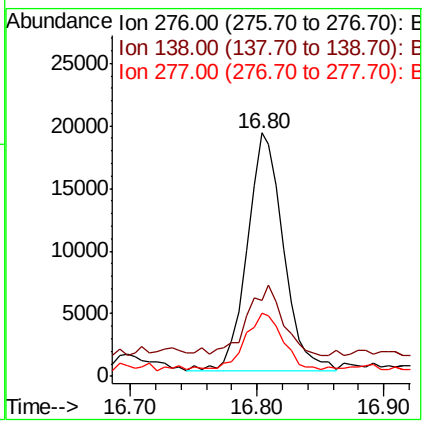


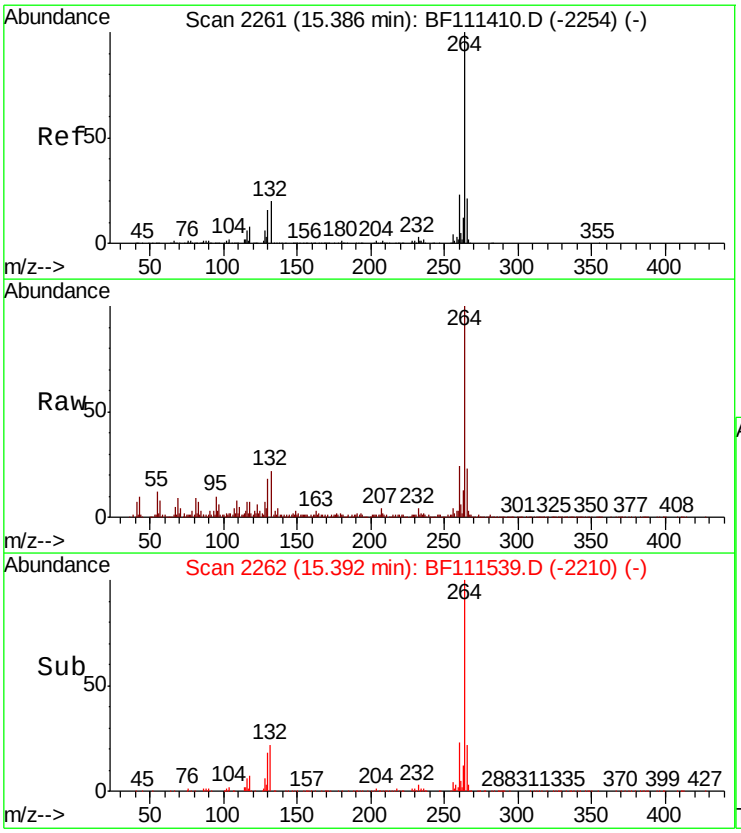

#86
Indeno(1,2,3-cd)pyrene
Concen: 2.083 ng
RT: 16.80 min Scan# 2502
Delta R.T. 0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

**Instrument :**
BNA_F
**ClientSampleId :**
P001-SS007-0612-01

Tgt Ion:276 Resp: 37839

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 29.5 | 27.8 | 41.6 |
| 277 | 23.9 | 20.1 | 30.1 |

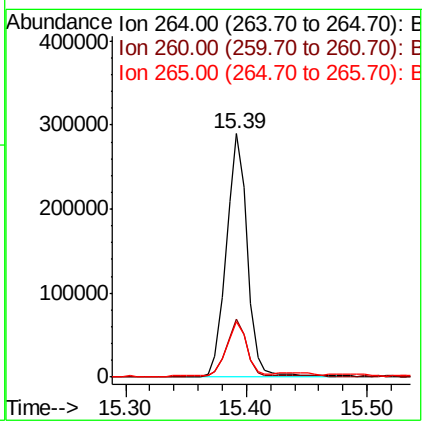


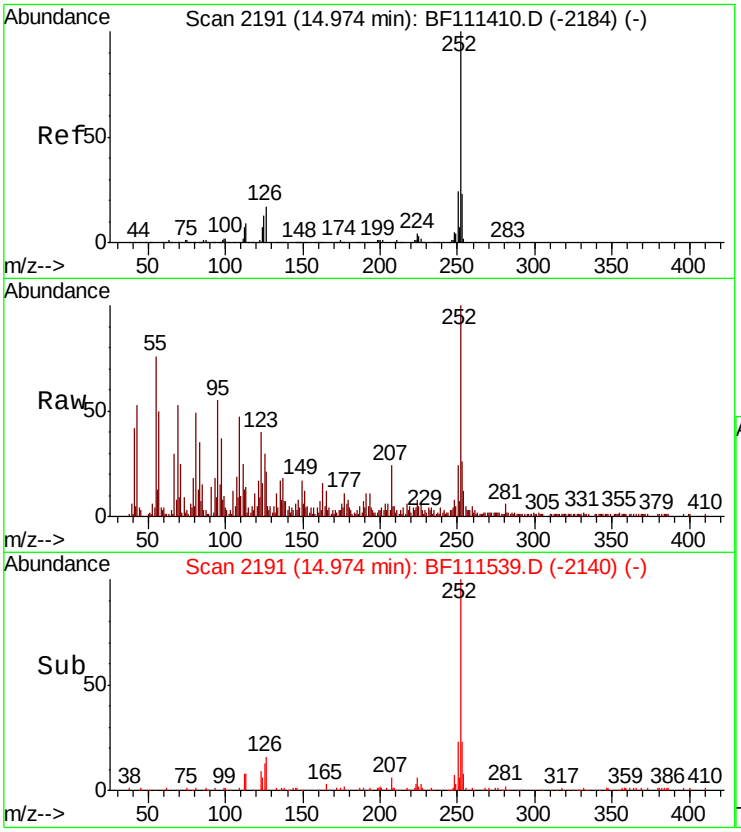




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion:264 Resp: 347283

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.6 | 18.3 | 27.5 |
| 265 | 22.6 | 17.7 | 26.5 |



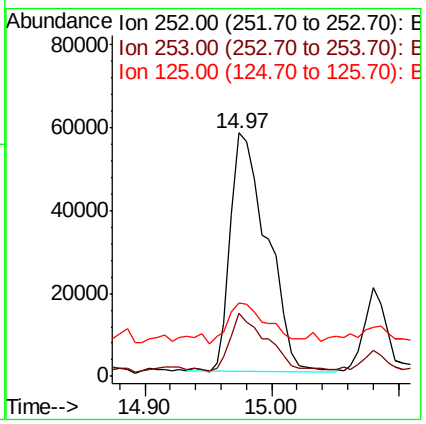


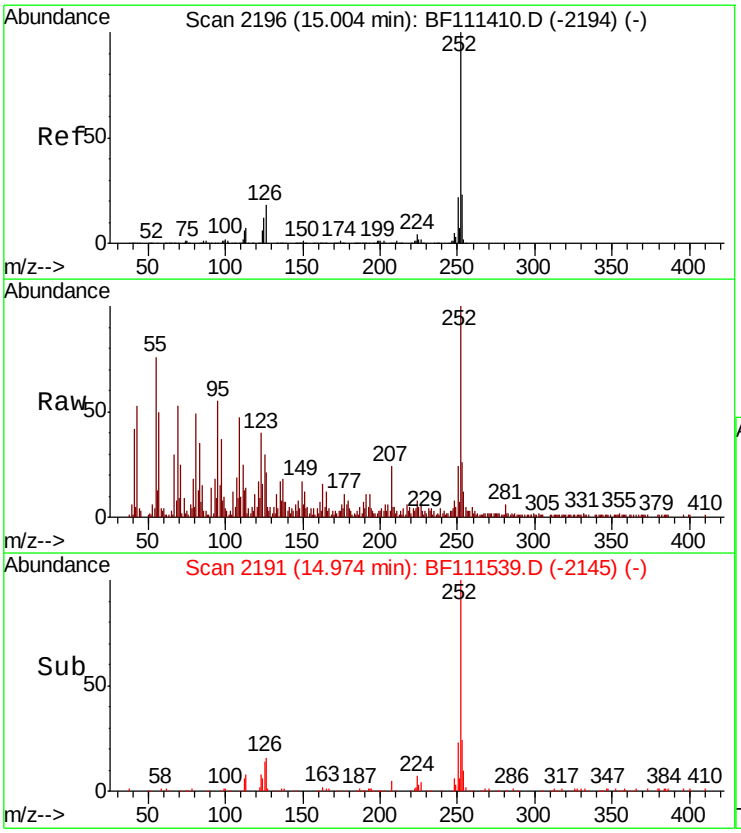

#88
Benzo(b)fluoranthene
Concen: 5.661 ng
RT: 14.97 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

**Instrument :**
BNA_F
**ClientSampleId :**
P001-SS007-0612-01

Tgt Ion:252 Resp: 114627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.8 | 18.2 | 27.2 |
| 125 | 29.9 | 10.4 | 15.6# |

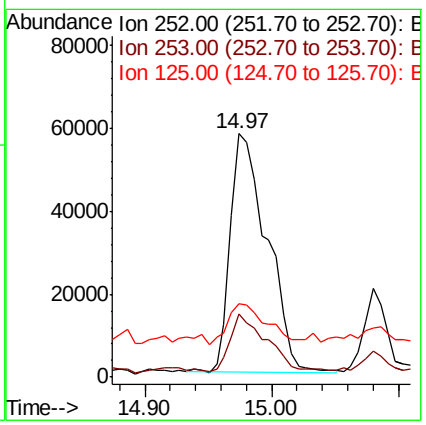


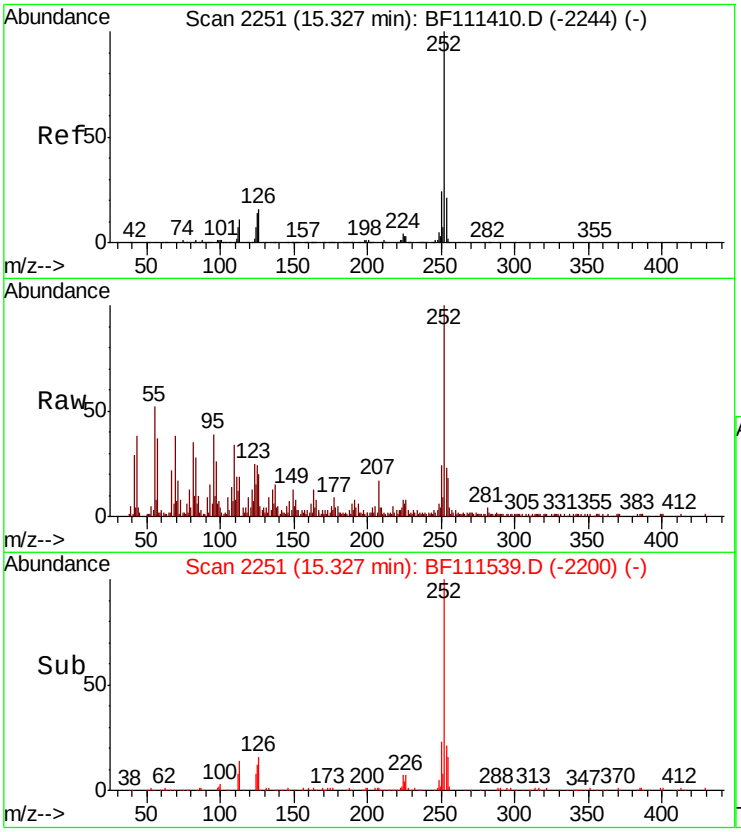




#89
Benzo(k)fluoranthene
Concen: 5.925 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.03 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion:252 Resp: 114627

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 25.8 | 18.1 | 27.1 |
| 125 | 29.9 | 9.8 | 14.8# |



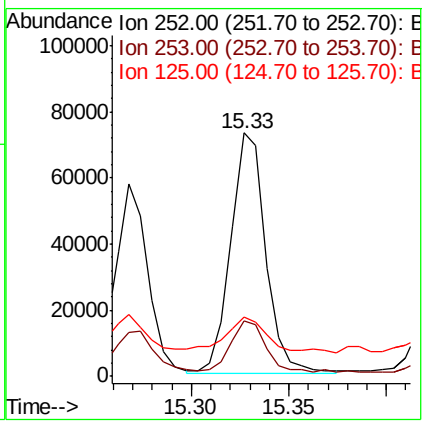


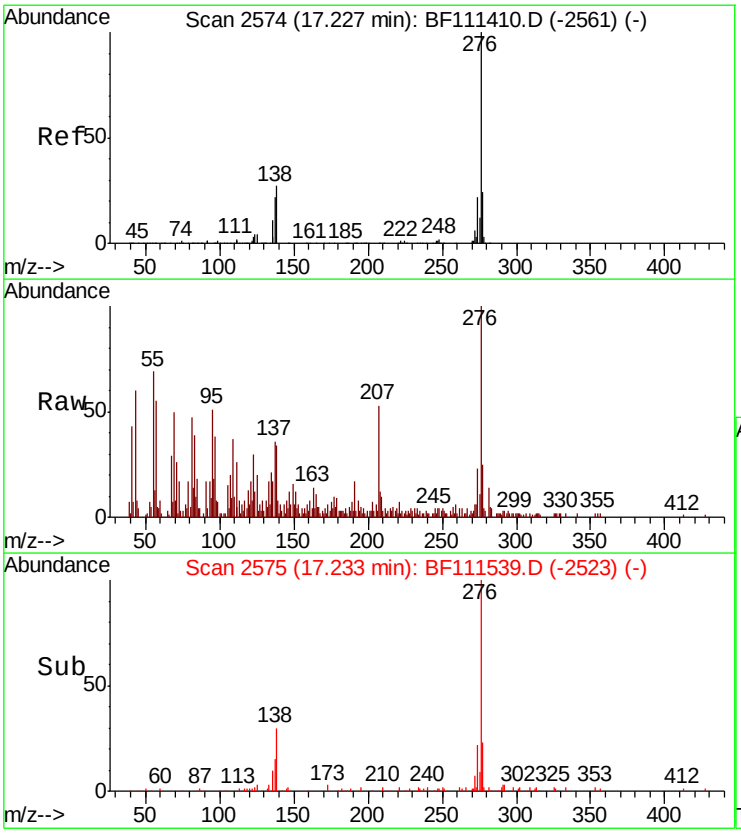

#90
Benzo(a)pyrene
Concen: 4.960 ng
RT: 15.33 min Scan# 2251
Delta R.T. 0.00 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

**Instrument :**
BNA_F
**ClientSampleId :**
P001-SS007-0612-01

Tgt Ion:252 Resp: 90555

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.8 | 26.8 |
| 125 | 24.2 | 12.3 | 18.5# |




#92
Benzo(g,h,i)perylene
Concen: 3.462 ng
RT: 17.23 min Scan# 2575
Delta R.T. 0.01 min
Lab File: BF111539.D
Acq: 17 Dec 2018 15:07

Tgt Ion:276 Resp: 48947

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.9 | 19.2 | 28.8 |
| 138 | 33.7 | 24.9 | 37.3 |