Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
Data File : BF109041.D
Acq On : 17 Sep 2018 12:03
Operator : JU/SJ
Sample : J4949-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ROLLOFF-03_COMP_FILL

Quant Time: Sep 17 14:09:22 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 14 13:26:52 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.72 | 152 | 105480 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.01 | 136 | 345636 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.75 | 164 | 162645 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.23 | 188 | 279658 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.86 | 240 | 251733 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.27 | 264 | 266303 | 20.00 | ng | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.32 | 112 | 136686 | 21.52 | ng | | 0.00 |
| 7) Phenol-d6 | 6.35 | 99 | 183198 | 22.37 | ng | | -0.01 |
| 23) Nitrobenzene-d5 | 7.28 | 82 | 107718 | 17.48 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.53 | 330 | 29903 | 16.94 | ng | | -0.01 |
| 44) 2-Fluorobiphenyl | 9.08 | 172 | 178534 | 17.20 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.81 | 244 | 164913 | 15.53 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Pyridine | 3.15 | 79 | 20225 | 2.524 | ng | | 93 |
| 10) Phenol | 6.36 | 94 | 195429 | 21.209 | ng | | 97 |
| 17) 2-Methylphenol | 6.97 | 107 | 171571 | 29.589 | ng | | 95 |
| 18) Hexachloroethane | 7.23 | 117 | 9118 | 3.079 | ng | # | 4 |
| 19) n-Nitroso-di-n-propylamine | 7.28 | 70 | 17490 | 3.231 | ng | # | 78 |
| 20) 3+4-Methylphenols | 7.14 | 107 | 626845 | 89.762 | ng | | 88 |
| 24) Nitrobenzene | 7.37 | 77 | 13739 | 2.162 | ng | # | 42 |
| 25) Isophorone | 7.28 | 82 | 96104 | 9.072 | ng | # | 64 |
| 27) 2,4-Dimethylphenol | 7.67 | 122 | 294722 | 63.331 | ng | | 98 |
| 31) Naphthalene | 8.05 | 128 | 5866223 | 365.673 | ng | | 95 |
| 32) Benzoic acid | 7.80 | 122 | 236814 | 77.879 | ng | # | 15 |
| 33) 4-Chloroaniline | 8.05 | 127 | 876742 | 122.917 | ng | # | 34 |
| 35) Caprolactam | 8.72 | 113 | 28540 | 17.652 | ng | # | 1 |
| 37) 2-Methylnaphthalene | 8.72 | 142 | 1168359 | 111.726 | ng | | 98 |
| 45) 1,1'-Biphenyl | 9.18 | 154 | 348346 | 26.771 | ng | | 98 |
| 48) Acenaphthylene | 9.62 | 152 | 1550983 | 98.714 | ng | | 99 |
| 51) Acenaphthene | 9.78 | 154 | 167032 | 17.073 | ng | | 99 |
| 54) Dibenzofuran | 9.95 | 168 | 827343 | 58.519 | ng | | 92 |
| 55) 4-Nitrophenol | 9.95 | 139 | 334978 | 149.772 | ng | # | 10 |
| 56) 2,4-Dinitrotoluene | 9.93 | 165 | 6918 | 2.052 | ng | # | 69 |
| 57) Fluorene | 10.30 | 166 | 716186 | 76.014 | ng | | 98 |
| 61) 4-Nitroaniline | 10.30 | 138 | 8728 | 3.026 | ng | # | 22 |
| 70) Phenanthrene | 11.27 | 178 | 2746024 | 200.311 | ng | | 98 |
| 71) Anthracene | 11.31 | 178 | 1332387 | 95.879 | ng | | 99 |
| 72) Carbazole | 11.45 | 167 | 485757 | 35.311 | ng | | 100 |
| 74) Fluoranthene | 12.45 | 202 | 1746413 | 120.671 | ng | | 97 |
| 77) Pyrene | 12.67 | 202 | 1544590 | 82.605 | ng | | 98 |
| 80) Benzo(a)anthracene | 13.89 | 228 | 704778 | 46.243 | ng | | 94 |
| 82) Chrysene | 13.89 | 228 | 704778 | 46.220 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.46 | 276 | 39104 | 3.208 | ng | | 95 |
| 87) Benzo(b)fluoranthene | 14.87 | 252 | 888921 | 60.338 | ng | | 97 |
| 88) Benzo(k)fluoranthene | 14.87 | 252 | 888921 | 64.601 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.21 | 252 | 563057 | 43.036 | ng | | 97 |
| 90) Dibenzo(a,h)anthracene | 16.77 | 278 | 67538 | 6.144 | ng | | 95 |

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
Data File : BF109041.D
Acq On : 17 Sep 2018 12:03
Operator : JU/SJ
Sample : J4949-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Quant Time: Sep 17 14:09:22 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 14 13:26:52 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 91) Benzo(g,h,i)perylene | 17.01 | 276 | 181828 | 16.546 | ng | 95 |

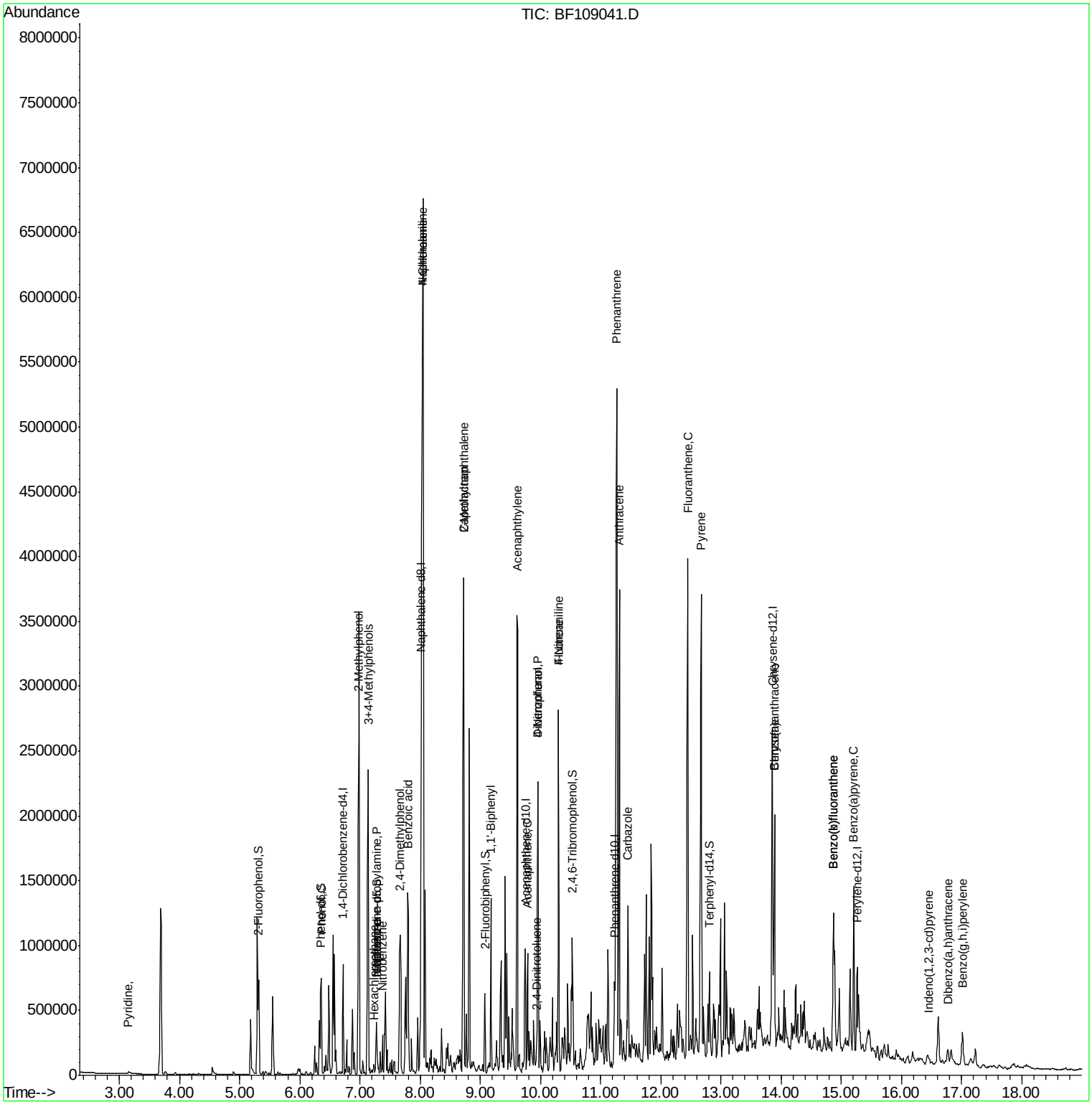
(#) = qualifier out of range (m) = manual integration (+) = signals summed

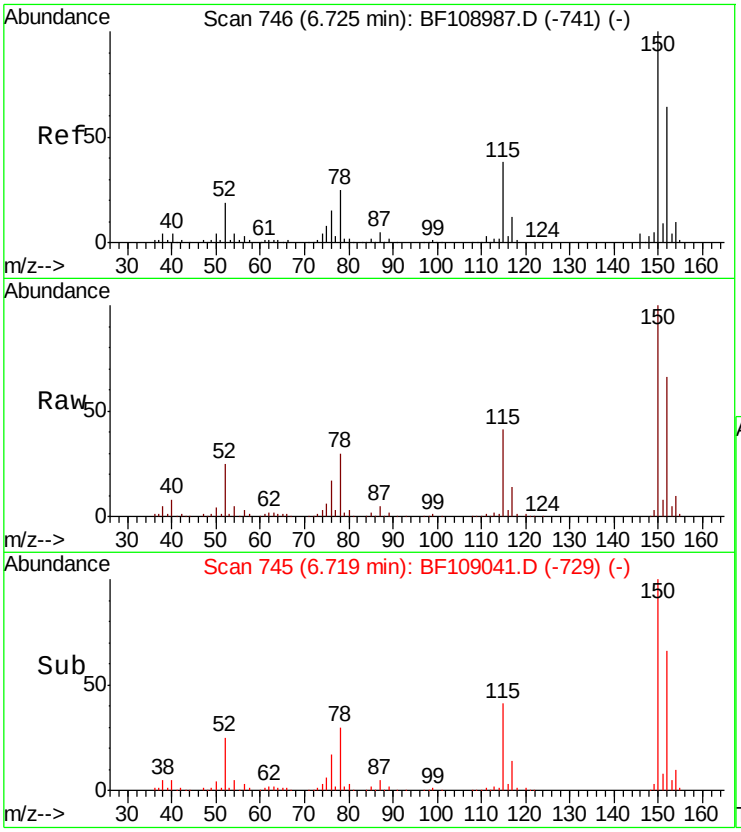
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091718\
Data File : BF109041.D
Acq On : 17 Sep 2018 12:03
Operator : JU/SJ
Sample : J4949-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Quant Time: Sep 17 14:09:22 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 14 13:26:52 2018
Response via : Initial Calibration



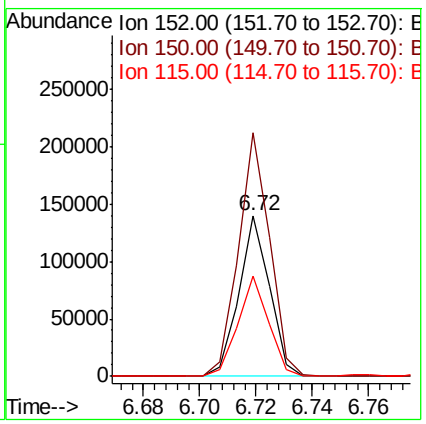


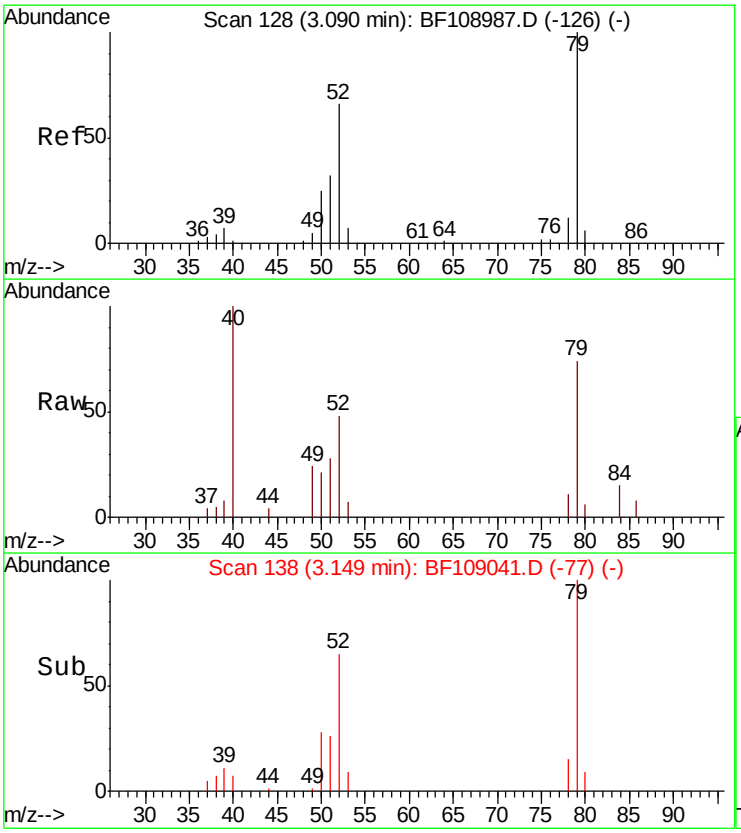

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:152 Resp: 105480

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 151.6 | 124.6 | 186.8 |
| 115 | 62.3 | 50.1 | 75.1 |

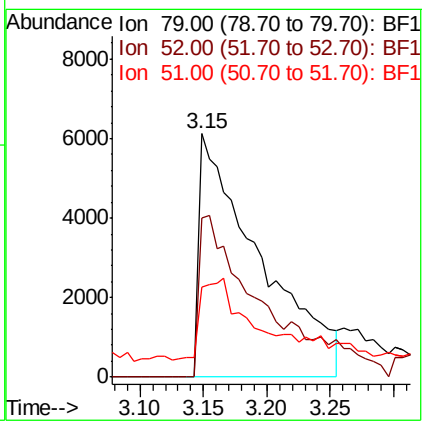


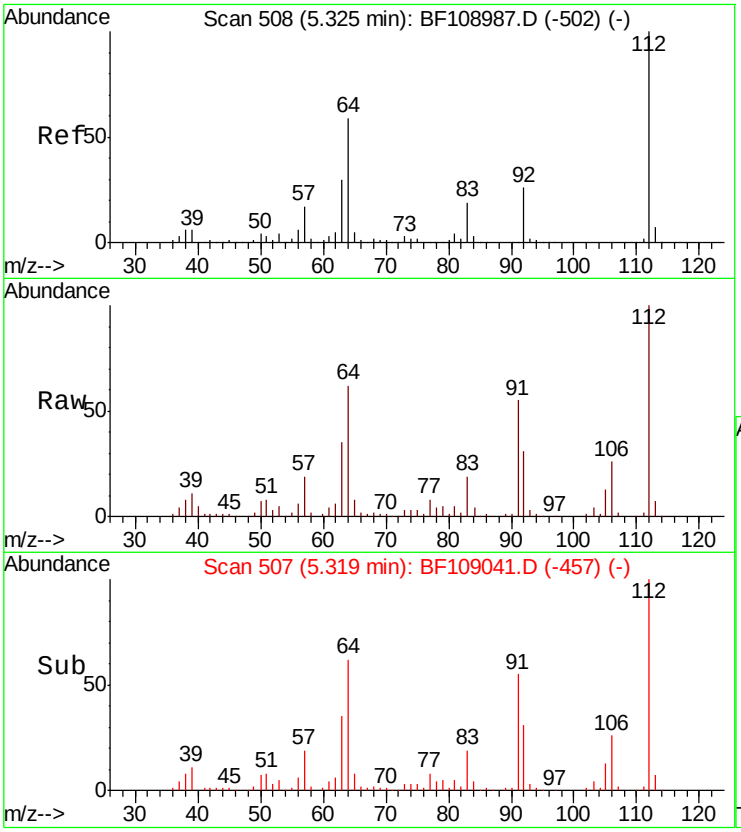




#3
Pyridine
Concen: 2.524 ng
RT: 3.15 min Scan# 138
Delta R.T. 0.06 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion: 79 Resp: 20225

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 79 | 100 | | |
| 52 | 65.4 | 59.8 | 89.6 |
| 51 | 37.2 | 29.8 | 44.8 |



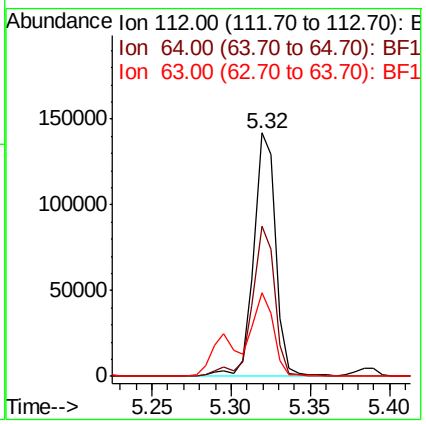


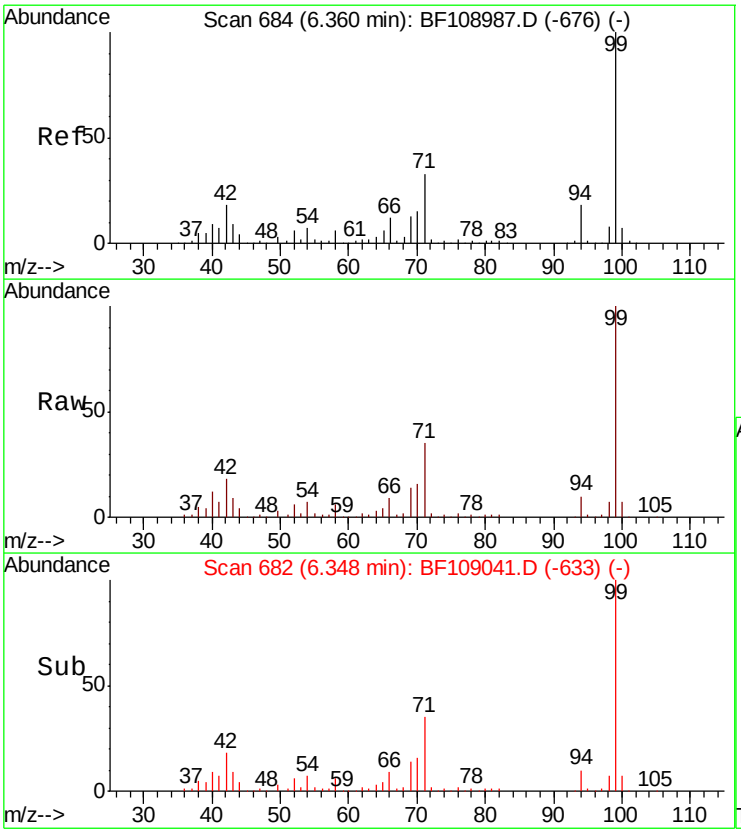

#5
2-Fluorophenol
Concen: 21.523 ng
RT: 5.32 min Scan# 507
Delta R.T. -0.00 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:112 Resp: 136686

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.8 | 47.9 | 71.9 |
| 63 | 34.5 | 23.7 | 35.5 |

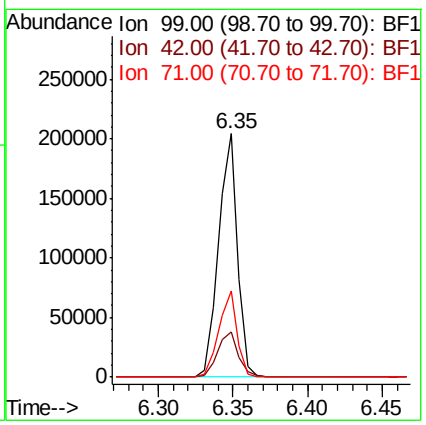


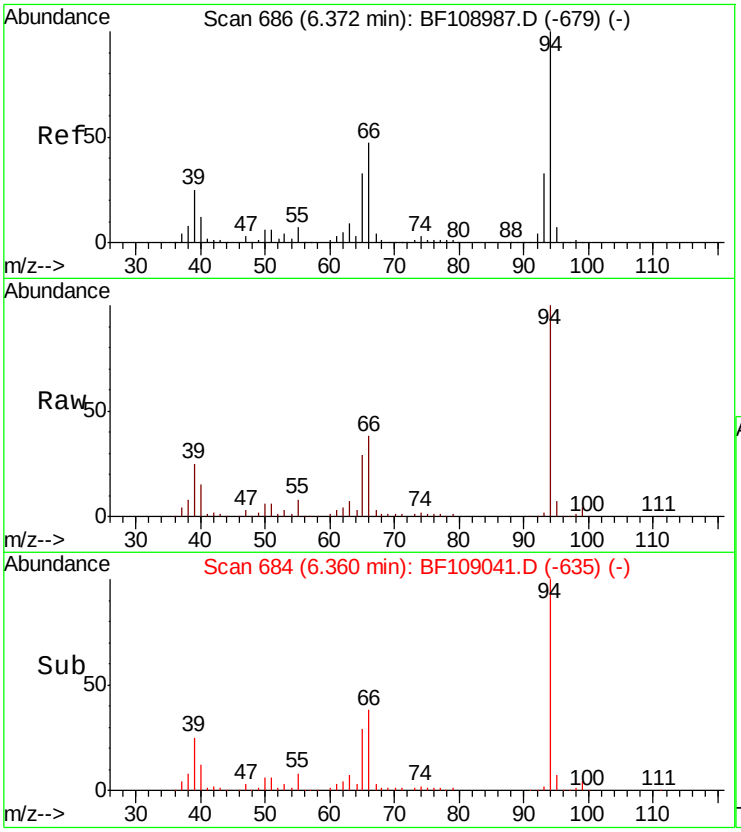




#7
Phenol-d6
Concen: 22.371 ng
RT: 6.35 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion: 99 Resp: 183198

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 18.4 | 14.5 | 21.7 |
| 71 | 35.4 | 25.4 | 38.0 |



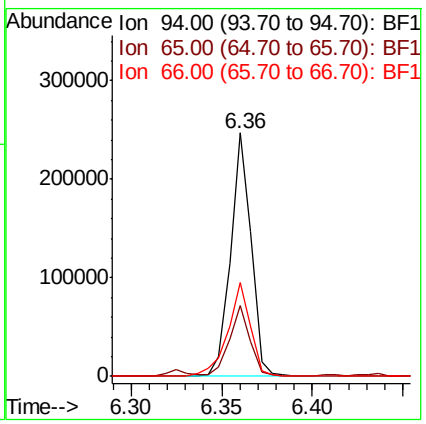


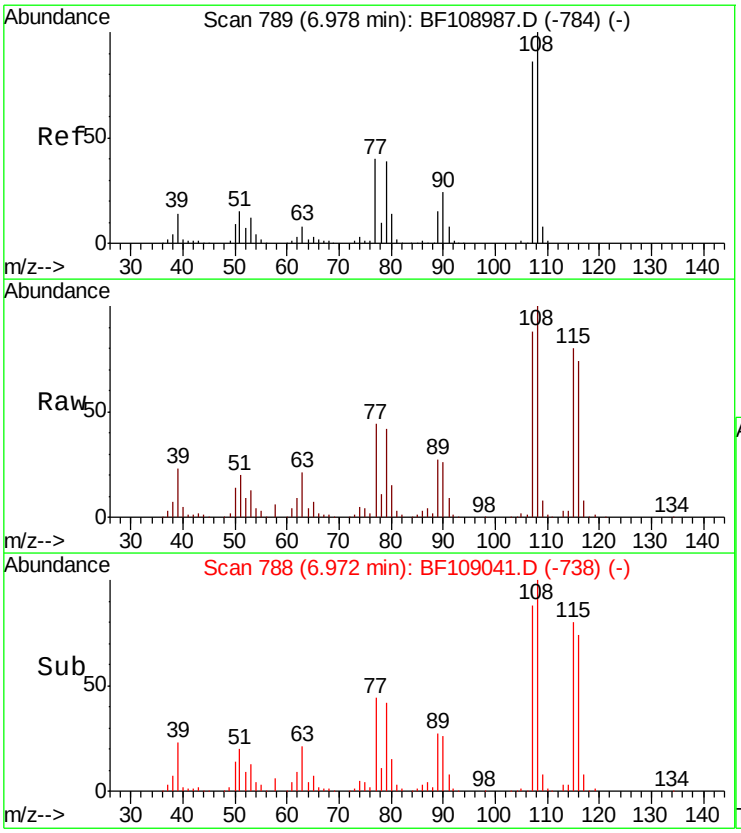

#10
Phenol
Concen:  21.209 ng
RT: 6.36 min  Scan# 684
Delta R.T.  -0.01 min
Lab File:  BF109041.D
Acq: 17 Sep 2018  12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion: 94 Resp:  195429

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 29.3 | 7.9 | 47.9 |
| 66 | 38.5 | 16.2 | 56.2 |

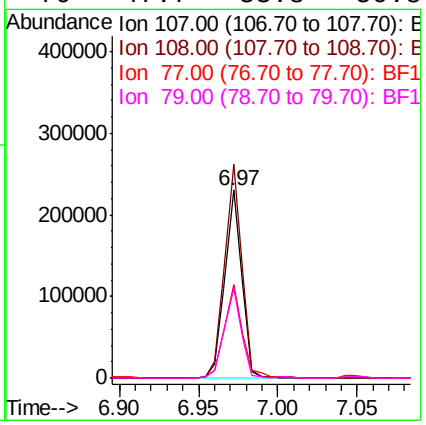


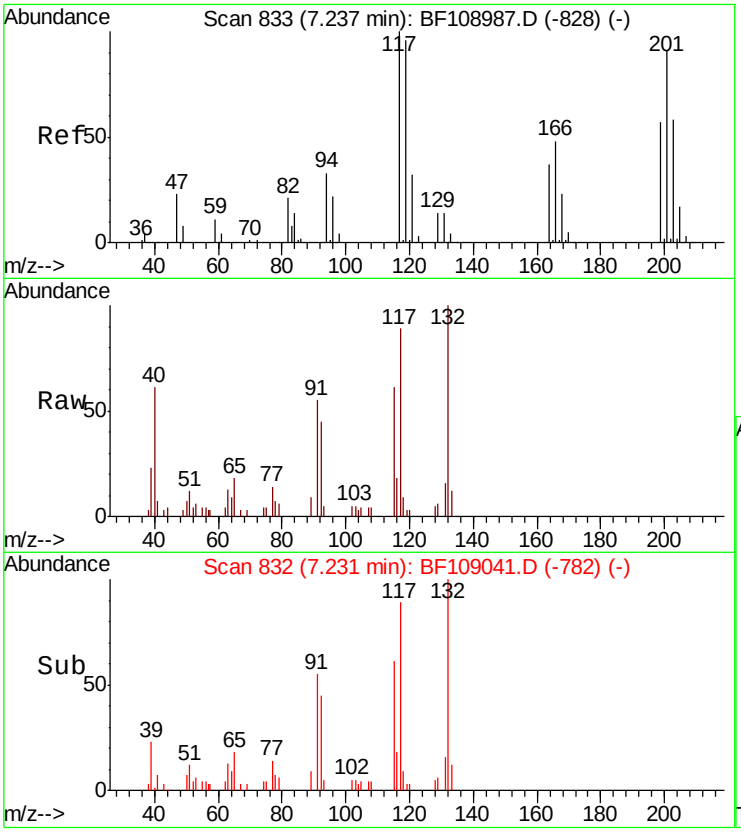




#17
2-Methylphenol
Concen:  29.589 ng
RT: 6.97 min  Scan# 788
Delta R.T.  -0.01 min
Lab File:  BF109041.D
Acq: 17 Sep 2018  12:03

Tgt Ion:107 Resp:  171571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 113.7 | 91.7 | 137.5 |
| 77 | 49.8 | 33.8 | 50.8 |
| 79 | 47.7 | 33.8 | 50.8 |



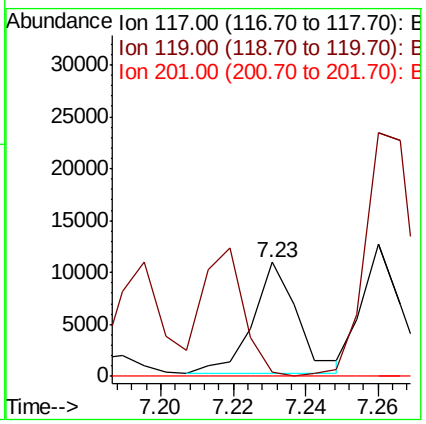


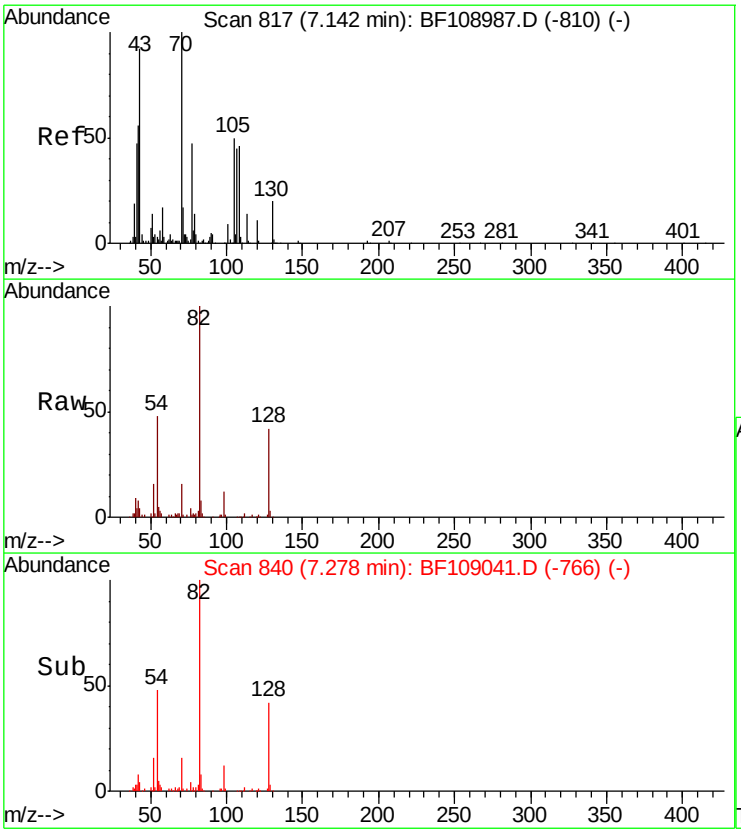

#18
Hexachloroethane
Concen: 3.079 ng
RT: 7.23 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:117 Resp: 9118

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 119 | 3.4 | 75.8 | 113.8# |
| 201 | 0.0 | 75.7 | 113.5# |

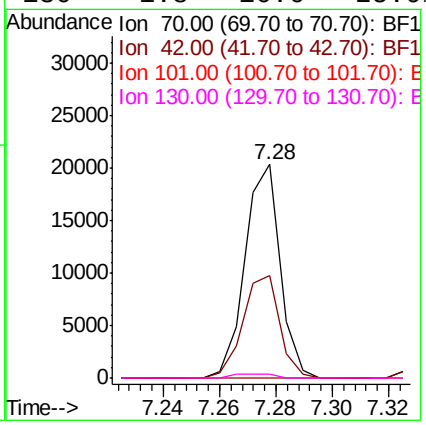


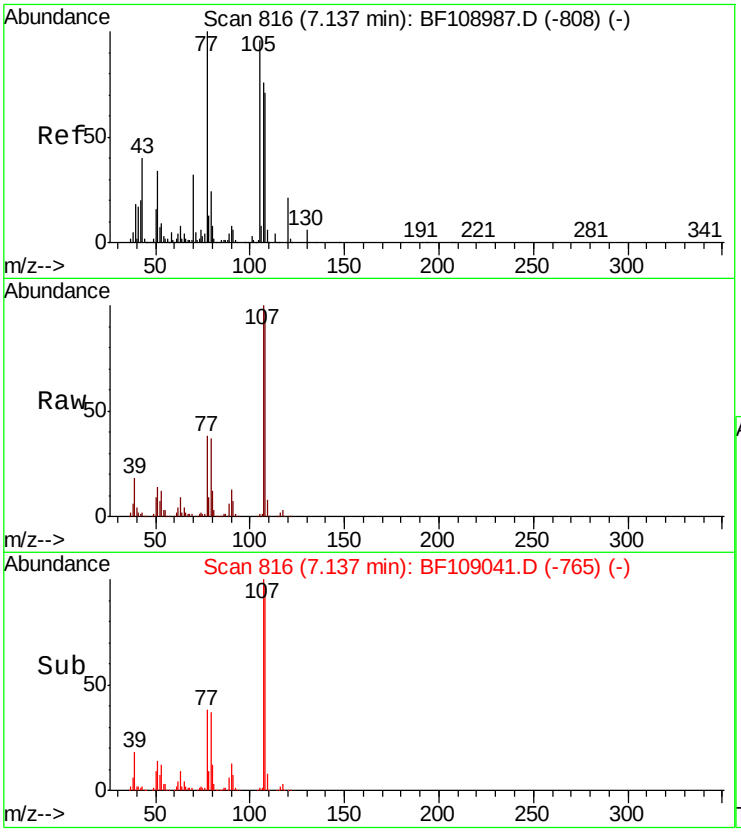




#19
n-Nitroso-di-n-propylamine
Concen: 3.231 ng
RT: 7.28 min Scan# 840
Delta R.T. 0.14 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion: 70 Resp: 17490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 48.0 | 47.5 | 71.3 |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 1.8 | 16.6 | 25.0# |



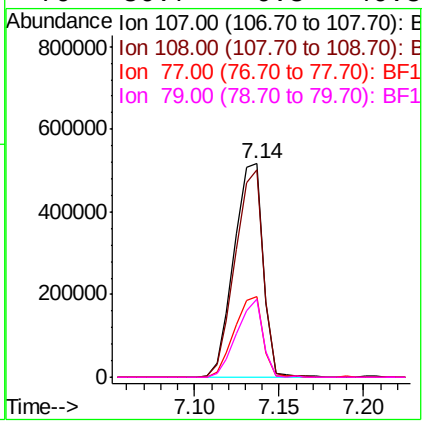


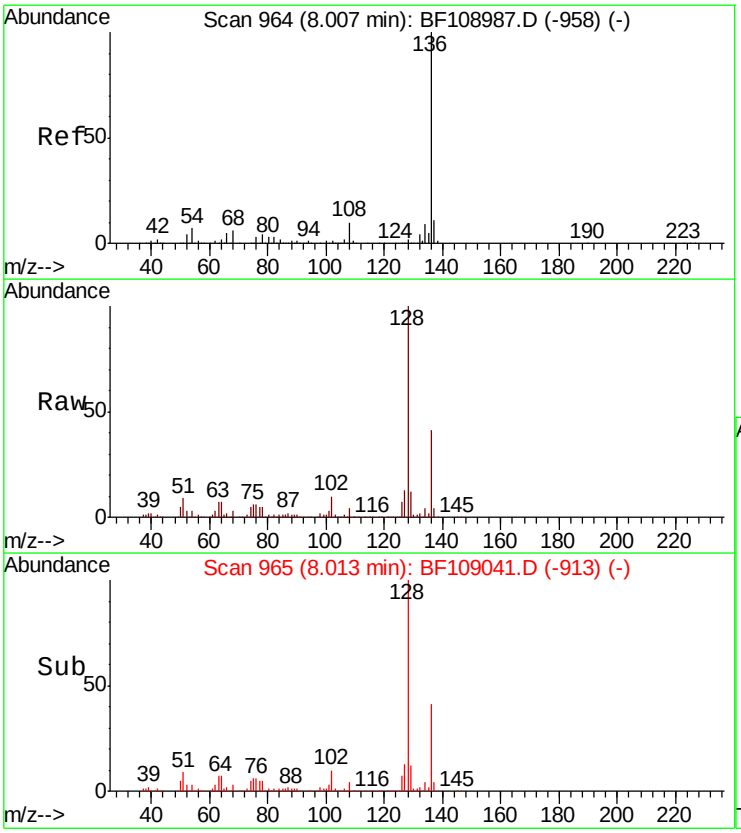

#20
3+4-Methylphenols
Concen: 89.762 ng
RT: 7.14 min Scan# 816
Delta R.T. 0.00 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:107 Resp: 626845

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 96.8 | 68.2 | 108.2 |
| 77 | 37.9 | 26.7 | 66.7 |
| 79 | 36.7 | 6.3 | 46.3 |

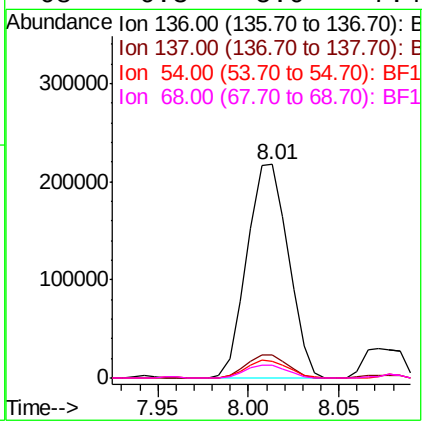


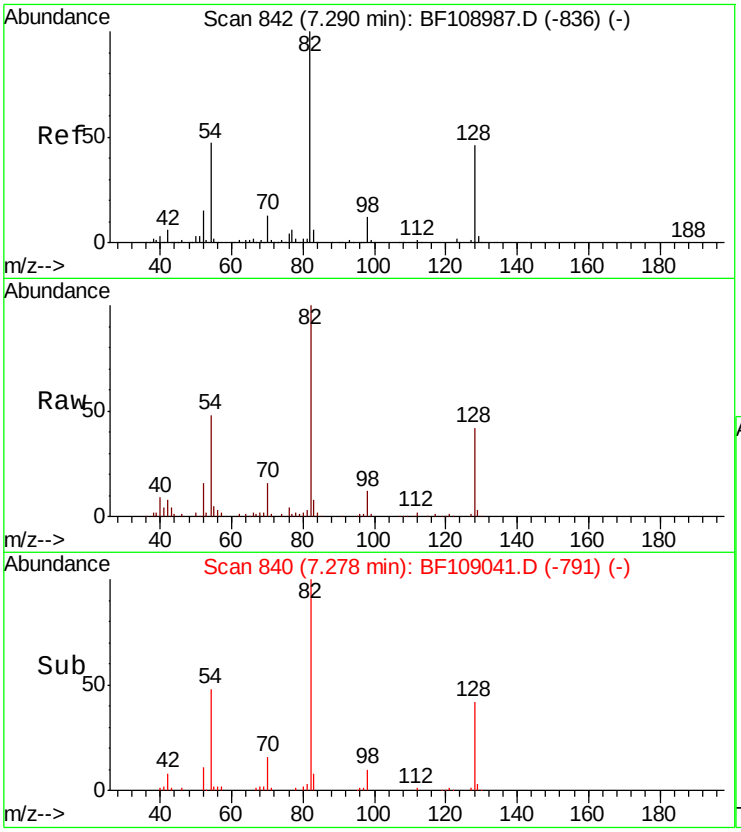




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 965
Delta R.T. 0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion:136 Resp: 345636

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.8 | 8.9 | 13.3 |
| 54 | 7.8 | 6.6 | 9.8 |
| 68 | 6.3 | 5.0 | 7.4 |



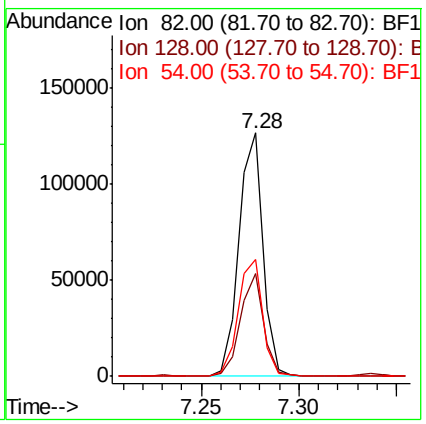


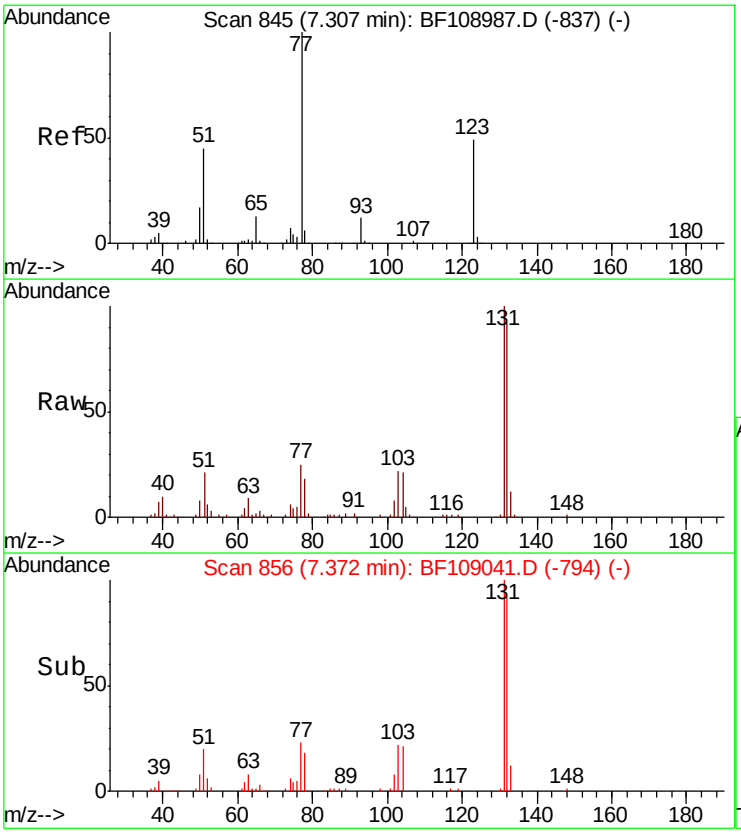

#23
Nitrobenzene-d5
Concen: 17.480 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion: 82 Resp: 107718

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 42.2 | 36.1 | 54.1 |
| 54 | 48.1 | 41.4 | 62.2 |

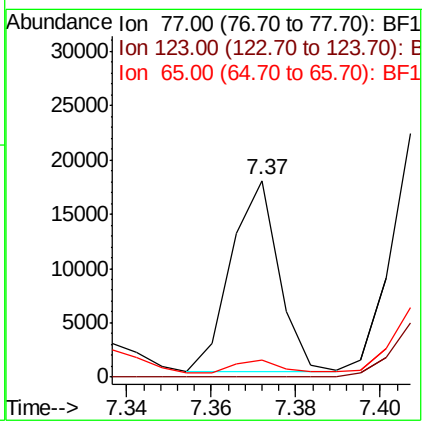


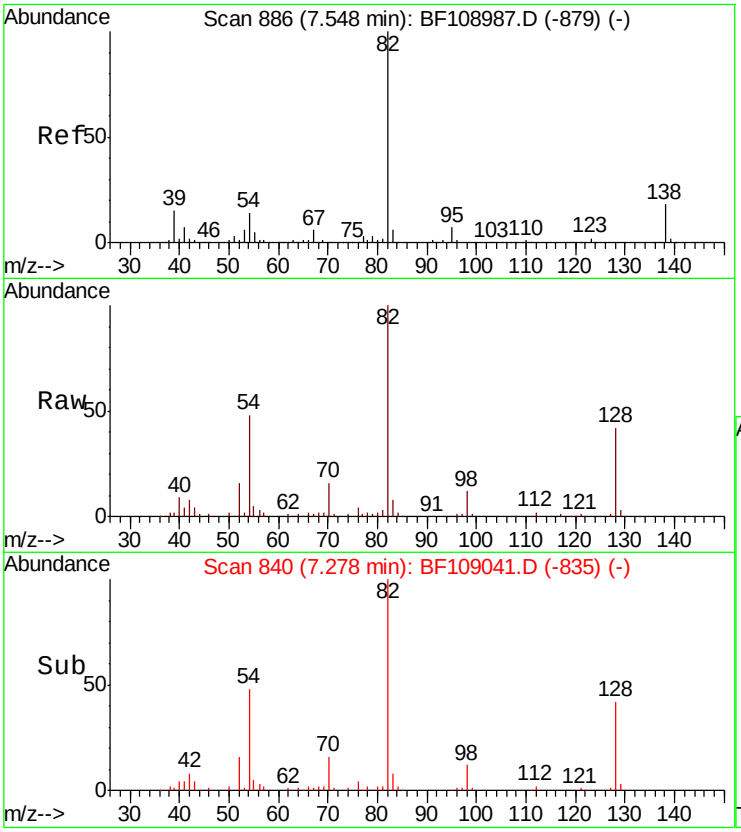




#24
Nitrobenzene
Concen: 2.162 ng
RT: 7.37 min Scan# 856
Delta R.T. 0.06 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion: 77 Resp: 13739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 123 | 0.0 | 37.9 | 56.9# |
| 65 | 8.6 | 11.0 | 16.4# |



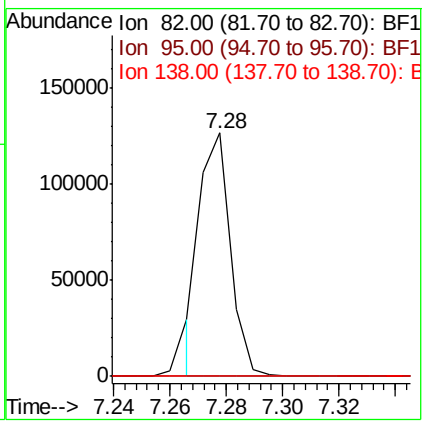


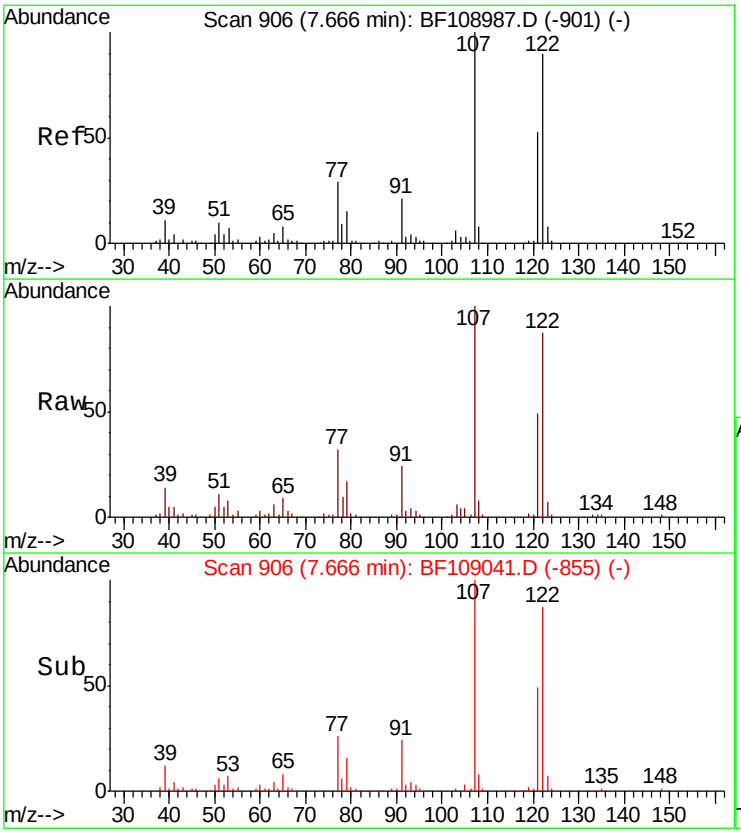

#25
Isophorone
Concen: 9.072 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.27 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion: 82 Resp: 96104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.3 | 5.2 | 7.8# |
| 138 | 0.0 | 14.9 | 22.3# |

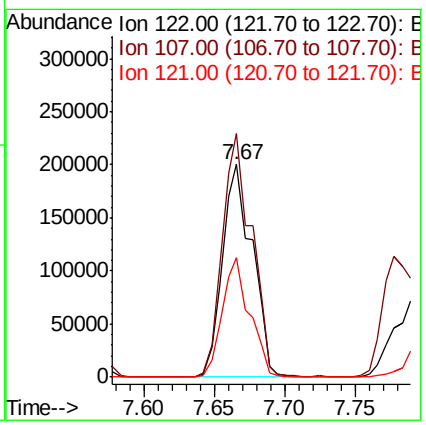


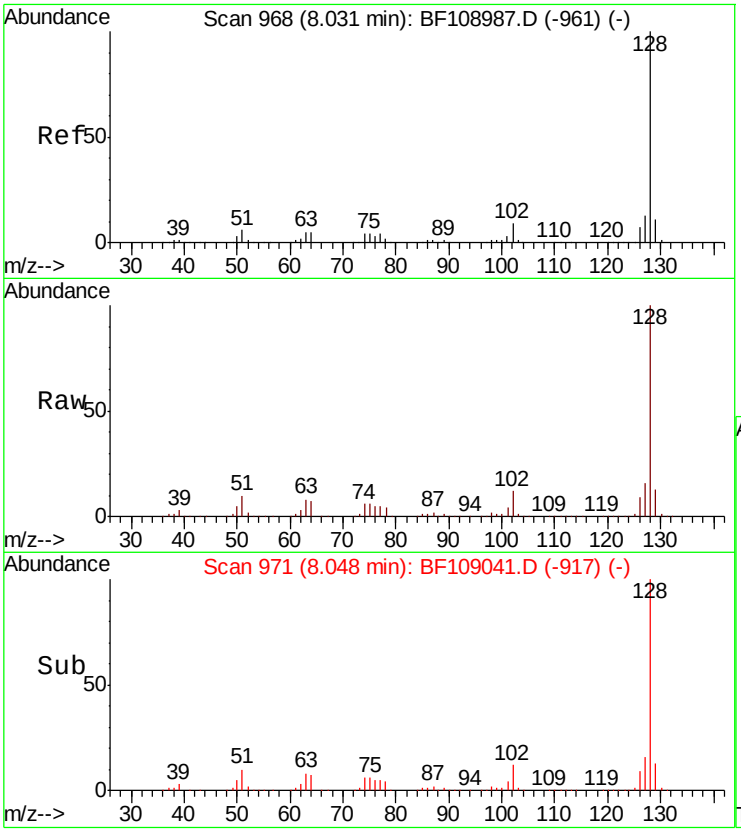




#27
2,4-Dimethylphenol
Concen: 63.331 ng
RT: 7.67 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion:122 Resp: 294722

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 114.7 | 91.2 | 136.8 |
| 121 | 56.2 | 47.2 | 70.8 |



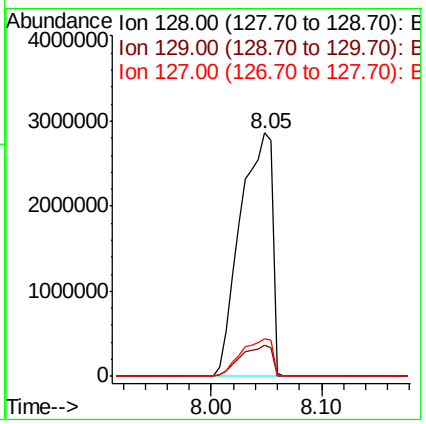


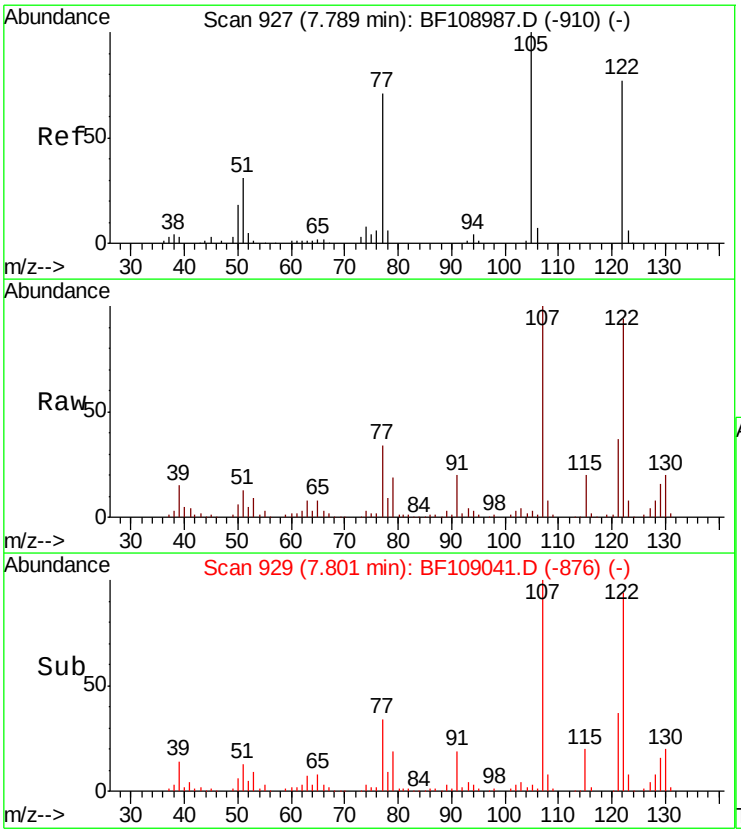

#31
Naphthalene
Concen: 365.673 ng
RT: 8.05 min Scan# 971
Delta R.T. 0.02 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:128 Resp: 5866223

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 13.0 | 8.8 | 13.2 |
| 127 | 15.7 | 10.9 | 16.3 |

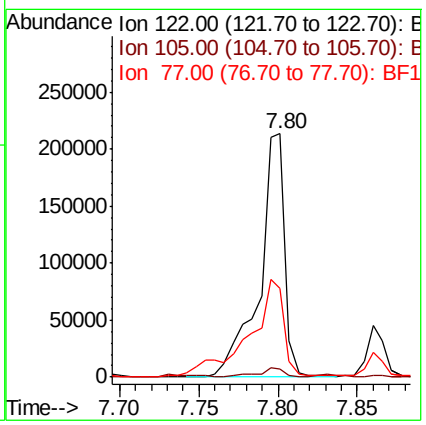


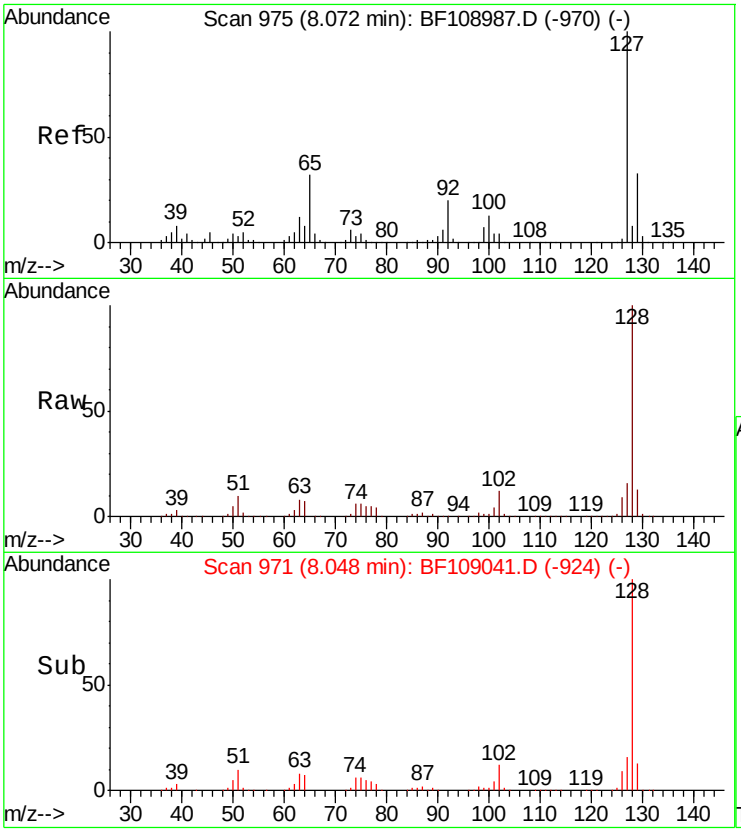




#32
Benzoic acid
Concen: 77.879 ng
RT: 7.80 min Scan# 929
Delta R.T. 0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion:122 Resp: 236814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 3.4 | 101.1 | 141.1# |
| 77 | 36.3 | 70.7 | 110.7# |



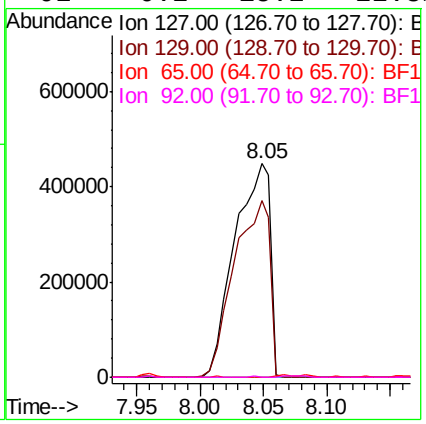


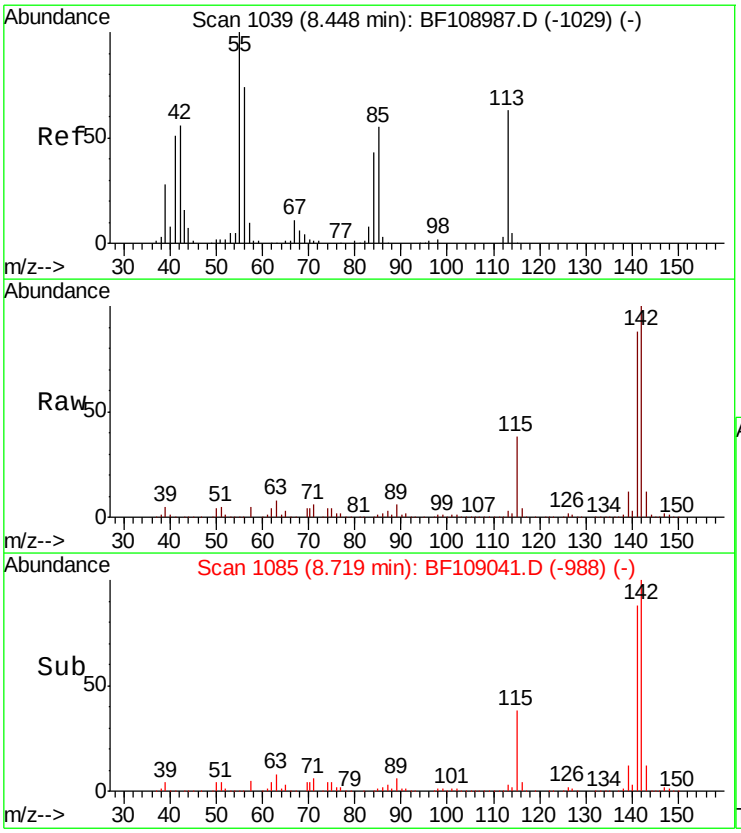

#33
4-Chloroaniline
Concen: 122.917 ng
RT: 8.05 min Scan# 971
Delta R.T. -0.02 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:127 Resp: 876742

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 82.7 | 25.9 | 38.9# |
| 65 | 0.0 | 25.0 | 37.4# |
| 92 | 0.2 | 15.2 | 22.8# |

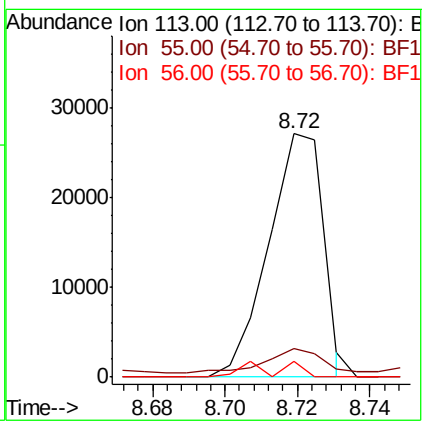


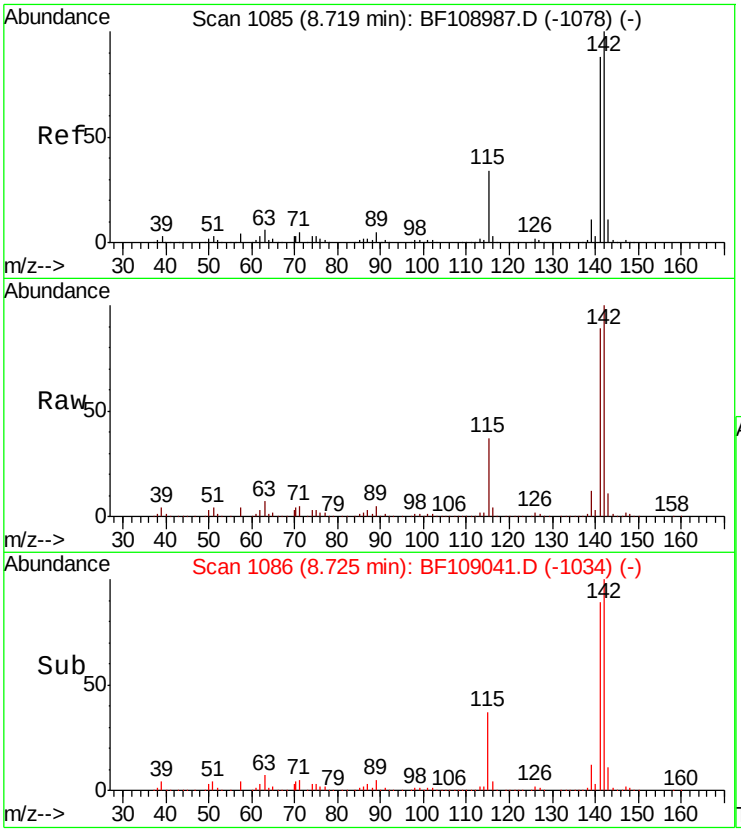




#35
Caprolactam
Concen: 17.652 ng
RT: 8.72 min Scan# 1085
Delta R.T. 0.27 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion:113 Resp: 28540

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 55 | 11.6 | 163.3 | 203.3# |
| 56 | 6.6 | 115.7 | 155.7# |



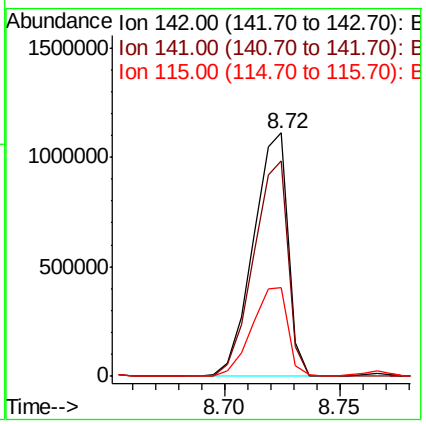


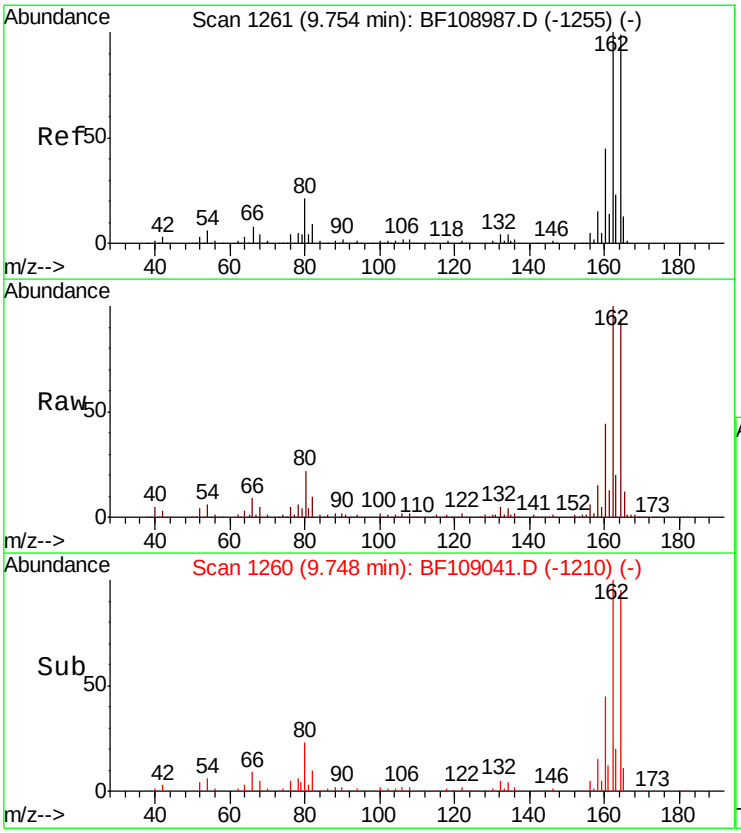

#37
2-Methylnaphthalene
Concen: 111.726 ng
RT: 8.72 min Scan# 1086
Delta R.T. 0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:142 Resp: 1168359

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.6 | 70.8 | 106.2 |
| 115 | 36.6 | 26.1 | 39.1 |

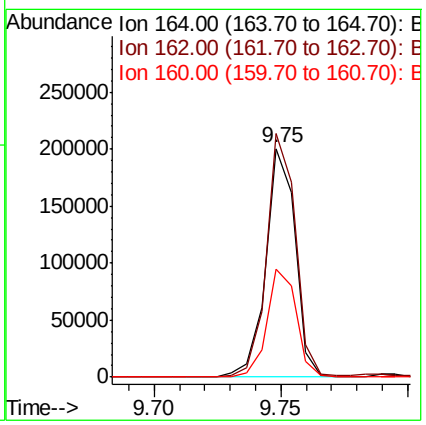


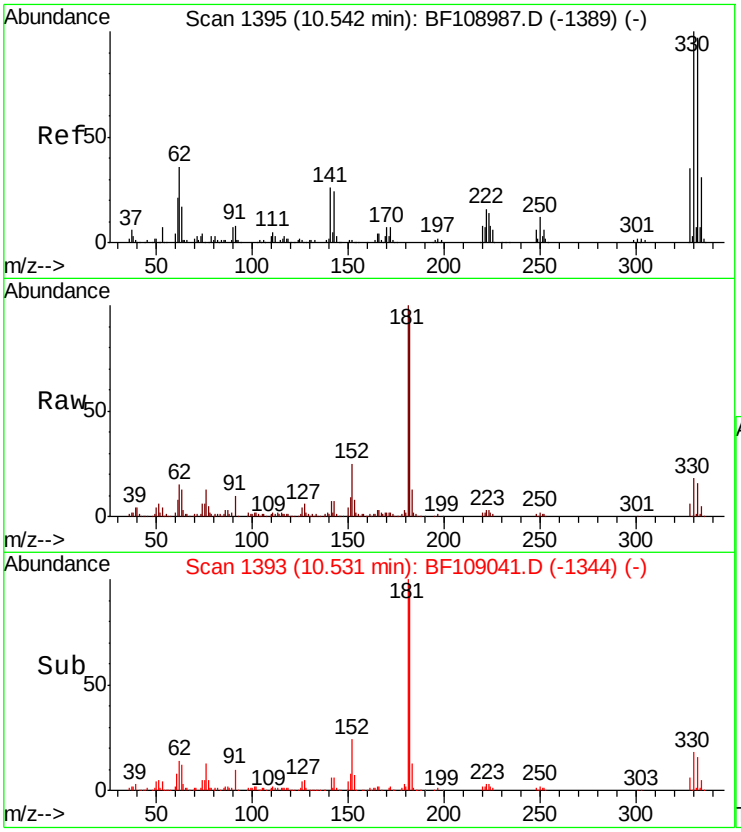




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion:164 Resp: 162645

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 106.6 | 86.1 | 129.1 |
| 160 | 47.3 | 38.3 | 57.5 |



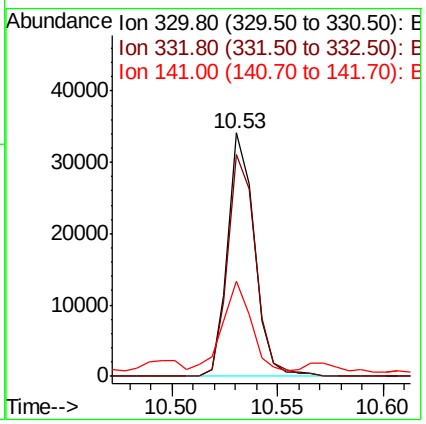


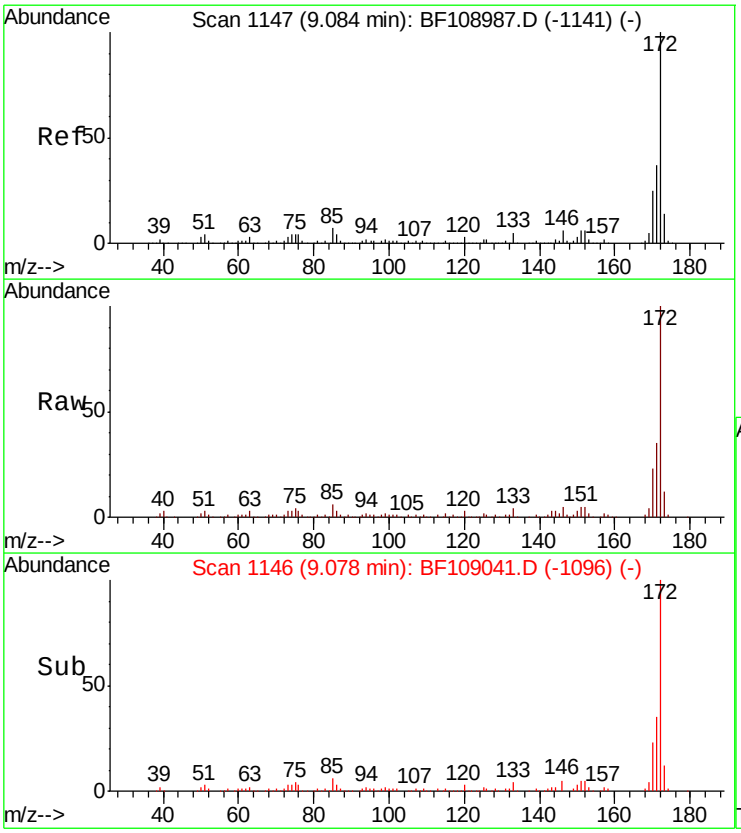

#41
2,4,6-Tribromophenol
Concen: 16.941 ng
RT: 10.53 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:330 Resp: 29903

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.8 | 77.0 | 115.6 |
| 141 | 41.1 | 29.9 | 44.9 |

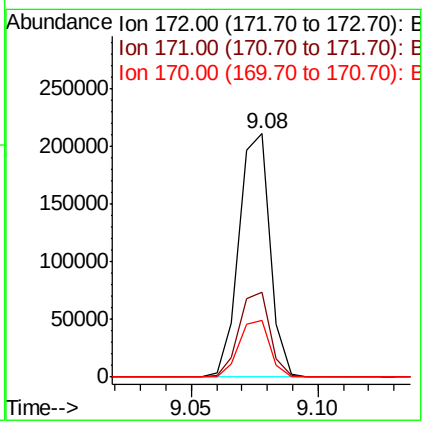


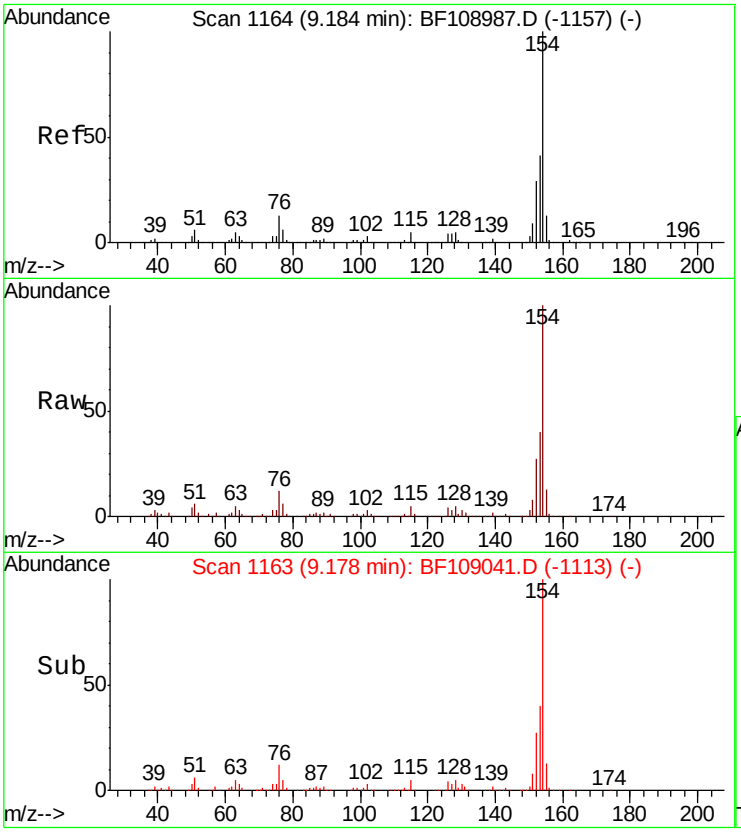




#44
2-Fluorobiphenyl
Concen: 17.198 ng
RT: 9.08 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion:172 Resp: 178534

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 34.8 | 29.7 | 44.5 |
| 170 | 23.1 | 19.6 | 29.4 |



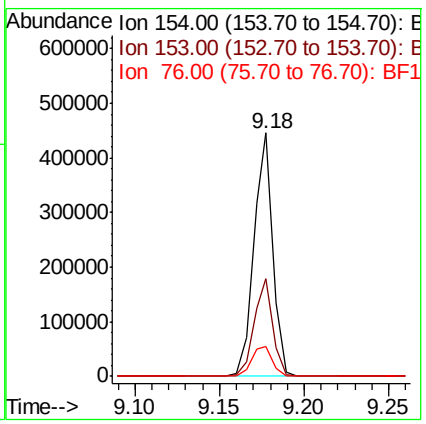


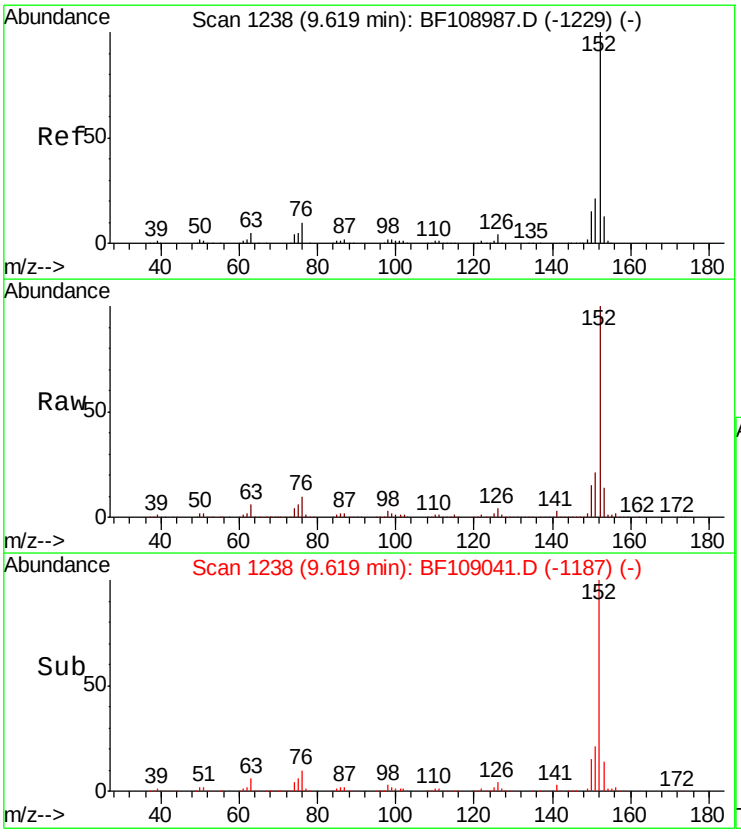

#45
1,1'-Biphenyl
Concen: 26.771 ng
RT: 9.18 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:154 Resp: 348346

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 40.2 | 21.3 | 61.3 |
| 76 | 12.5 | 0.0 | 34.0 |

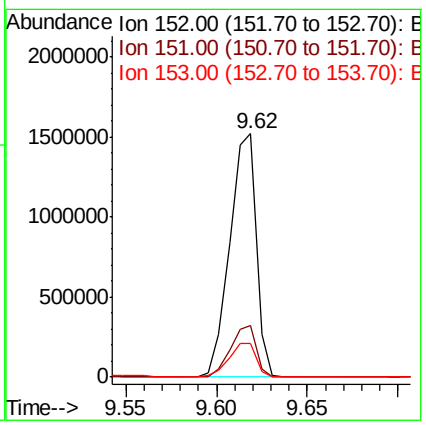


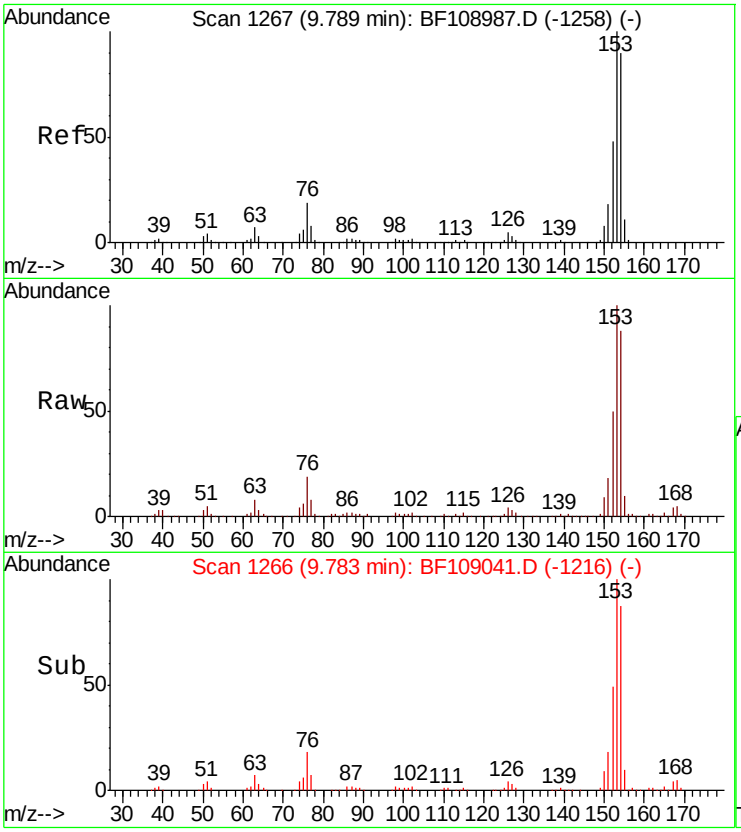




#48
Acenaphthylene
Concen: 98.714 ng
RT: 9.62 min Scan# 1238
Delta R.T. 0.00 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion:152 Resp: 1550983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 151 | 21.1 | 16.3 | 24.5 |
| 153 | 14.0 | 10.7 | 16.1 |



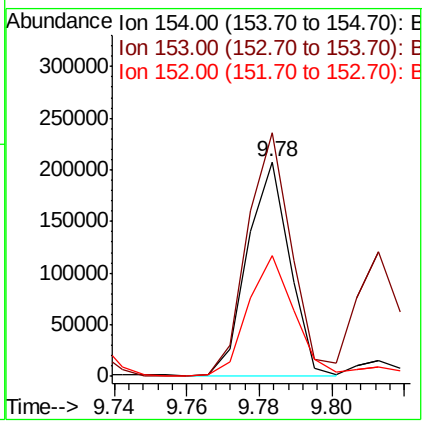


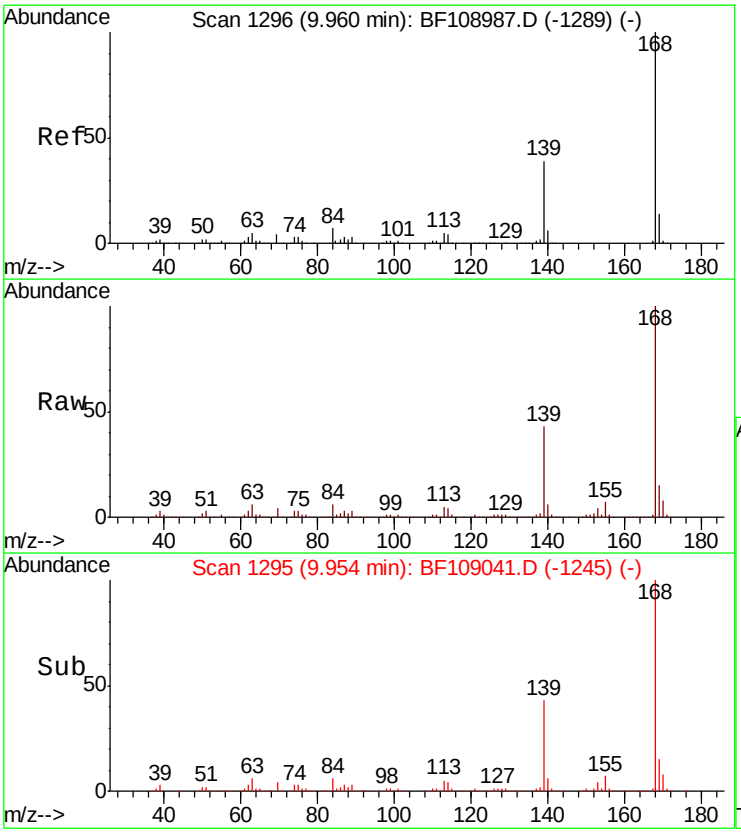

#51
Acenaphthene
Concen: 17.073 ng
RT: 9.78 min Scan# 1266
Delta R.T. -0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:154 Resp: 167032

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 154 | 100 | | |
| 153 | 113.5 | 91.2 | 136.8 |
| 152 | 56.3 | 43.8 | 65.8 |

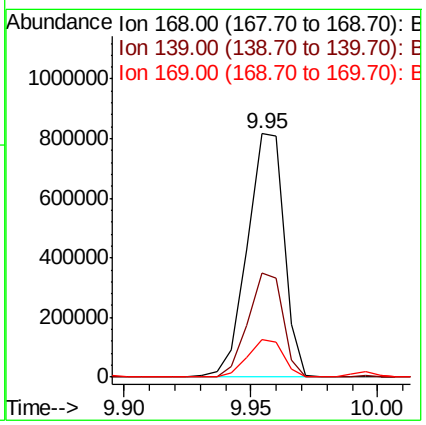


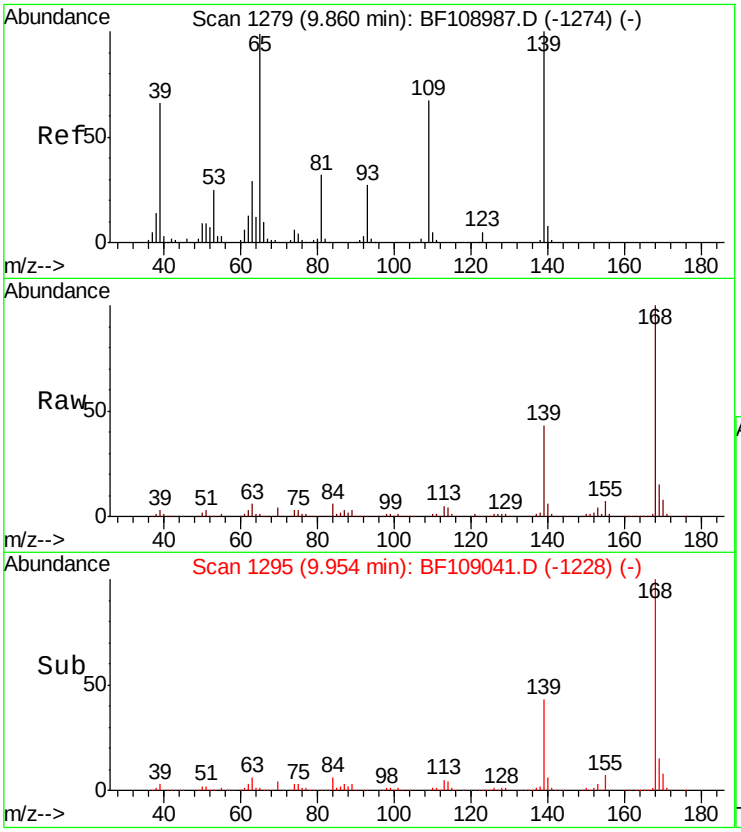




#54
Dibenzofuran
Concen: 58.519 ng
RT: 9.95 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion:168 Resp: 827343

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 43.0 | 30.1 | 45.1 |
| 169 | 15.4 | 10.9 | 16.3 |



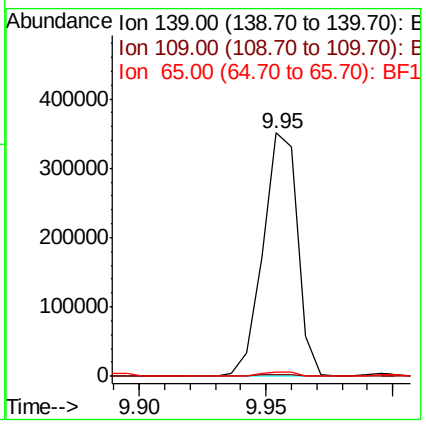


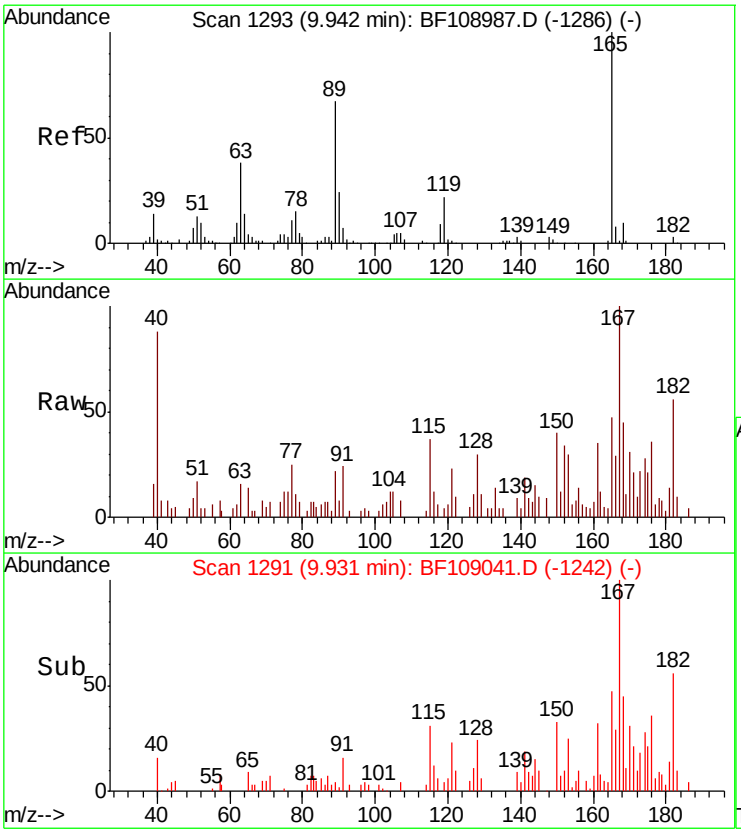

#55
4-Nitrophenol
Concen: 149.772 ng
RT: 9.95 min Scan# 1295
Delta R.T. 0.09 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:139 Resp: 334978

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 0.8 | 48.4 | 88.4# |
| 65 | 1.9 | 72.6 | 112.6# |

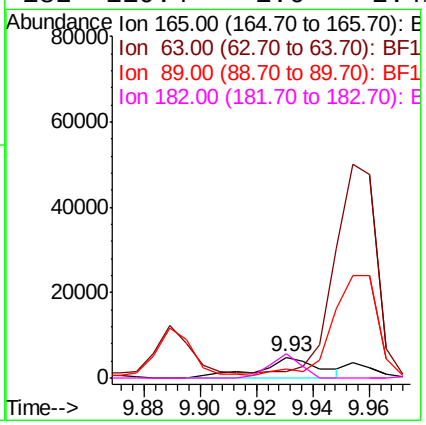


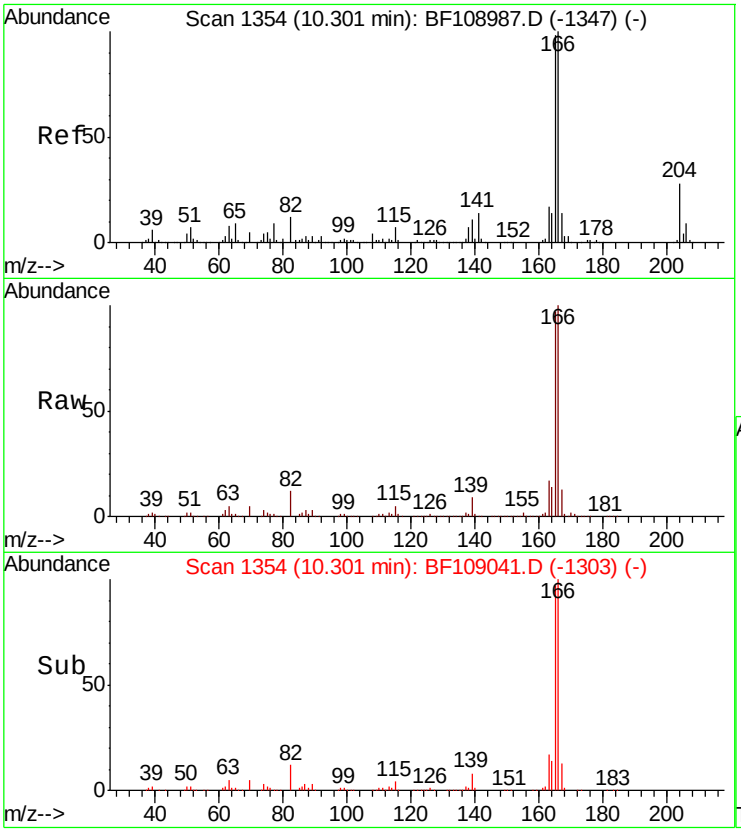




#56
2,4-Dinitrotoluene
Concen: 2.052 ng
RT: 9.93 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion:165 Resp: 6918

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 34.0 | 36.4 | 54.6# |
| 89 | 46.7 | 57.8 | 86.6# |
| 182 | 119.4 | 1.6 | 2.4# |



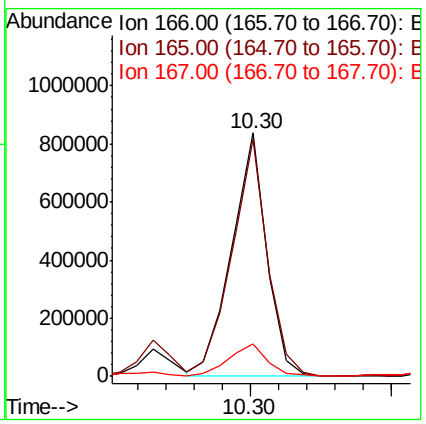


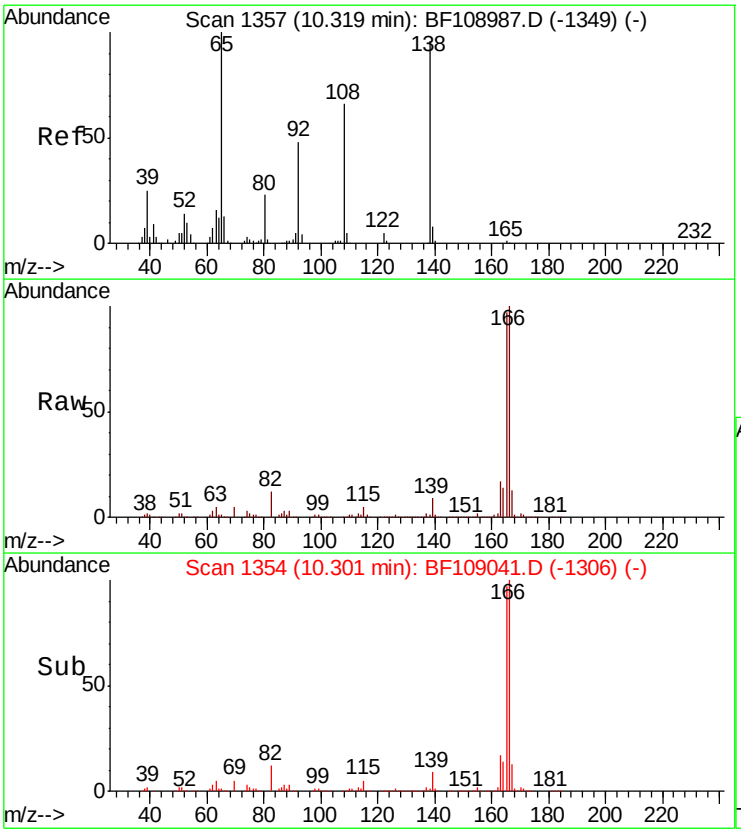

#57
Fluorene
Concen: 76.014 ng
RT: 10.30 min Scan# 1354
Delta R.T. 0.00 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:166 Resp: 716186

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 97.4 | 79.8 | 119.8 |
| 167 | 13.4 | 10.6 | 16.0 |

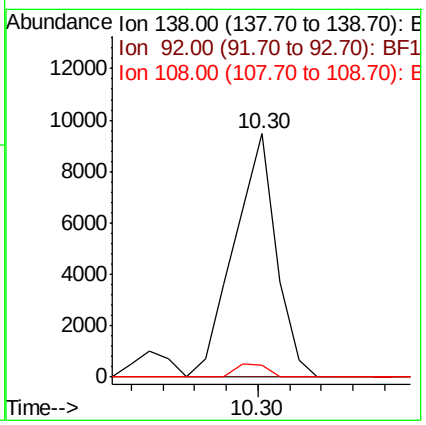


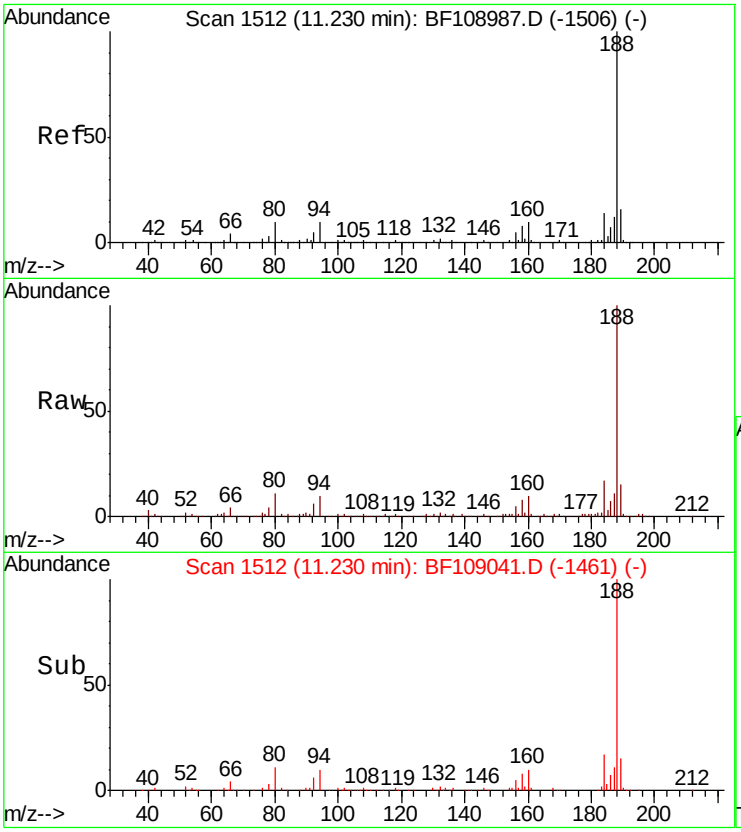




#61
4-Nitroaniline
Concen: 3.026 ng
RT: 10.30 min Scan# 1354
Delta R.T. -0.02 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion:138 Resp: 8728

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 138 | 100 | | |
| 92 | 0.0 | 30.2 | 70.2# |
| 108 | 4.9 | 52.5 | 92.5# |



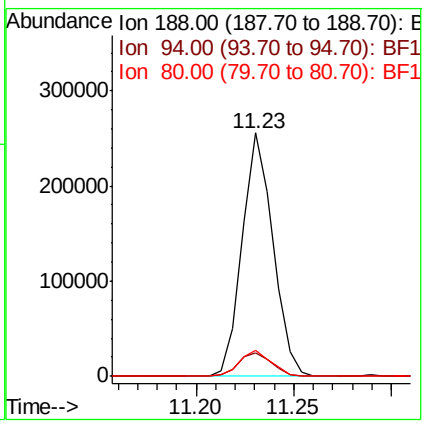


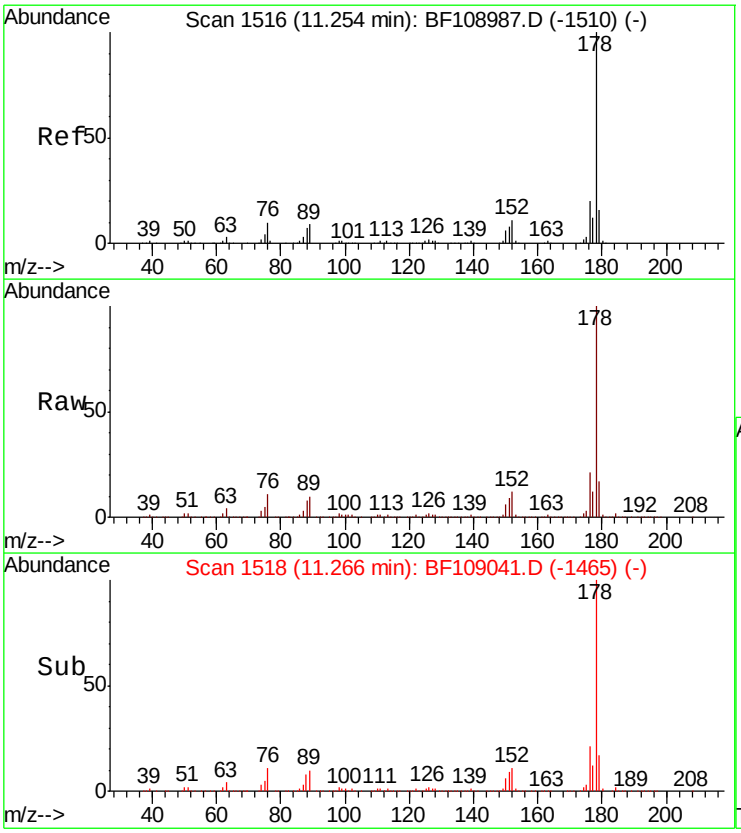

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1512
Delta R.T. 0.00 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:188 Resp: 279658

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 9.9 | 8.5 | 12.7 |
| 80 | 10.7 | 9.2 | 13.8 |

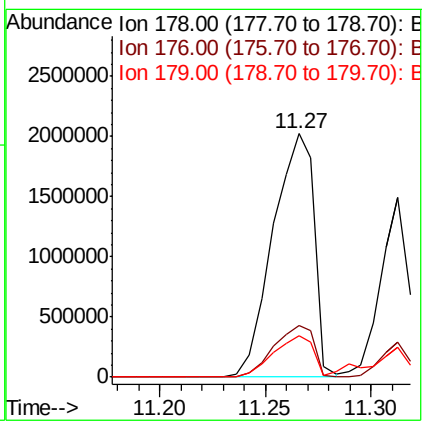


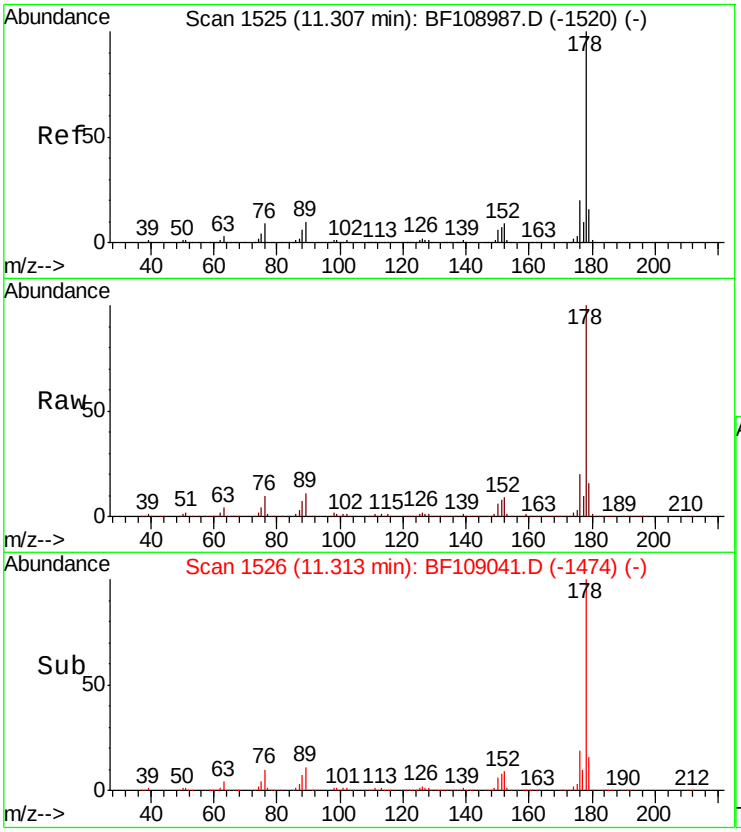




#70
Phenanthrene
Concen: 200.311 ng
RT: 11.27 min Scan# 1518
Delta R.T. 0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion:178 Resp: 2746024

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 21.2 | 15.8 | 23.8 |
| 179 | 17.0 | 13.0 | 19.6 |



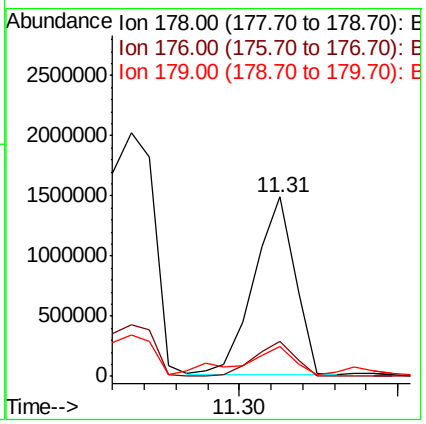


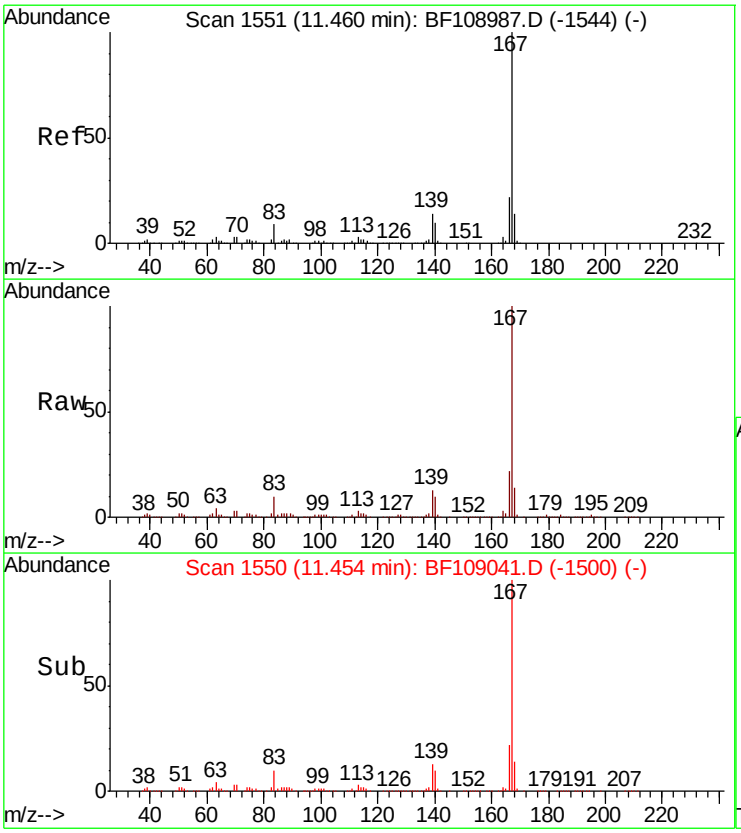

#71
Anthracene
Concen: 95.879 ng
RT: 11.31 min Scan# 1526
Delta R.T. 0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:178 Resp: 1332387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.6 | 15.4 | 23.2 |
| 179 | 16.4 | 12.6 | 19.0 |

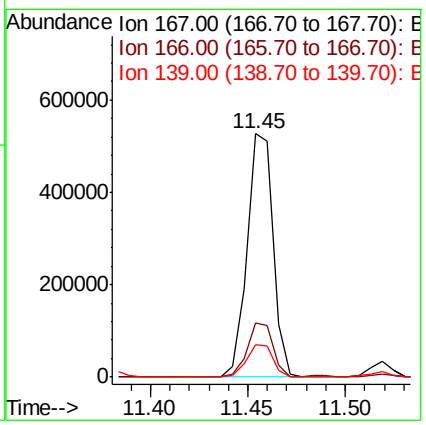


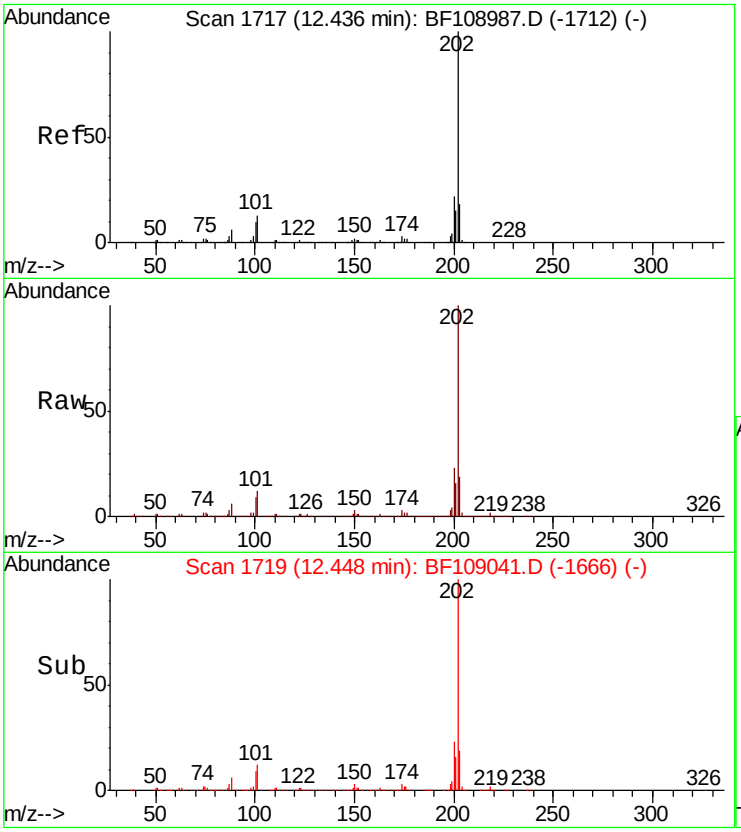




#72
Carbazole
Concen: 35.311 ng
RT: 11.45 min Scan# 1550
Delta R.T. -0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion:167 Resp: 485757

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 22.1 | 17.6 | 26.4 |
| 139 | 13.4 | 10.9 | 16.3 |



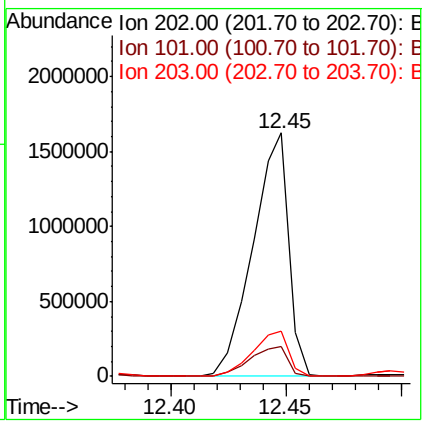


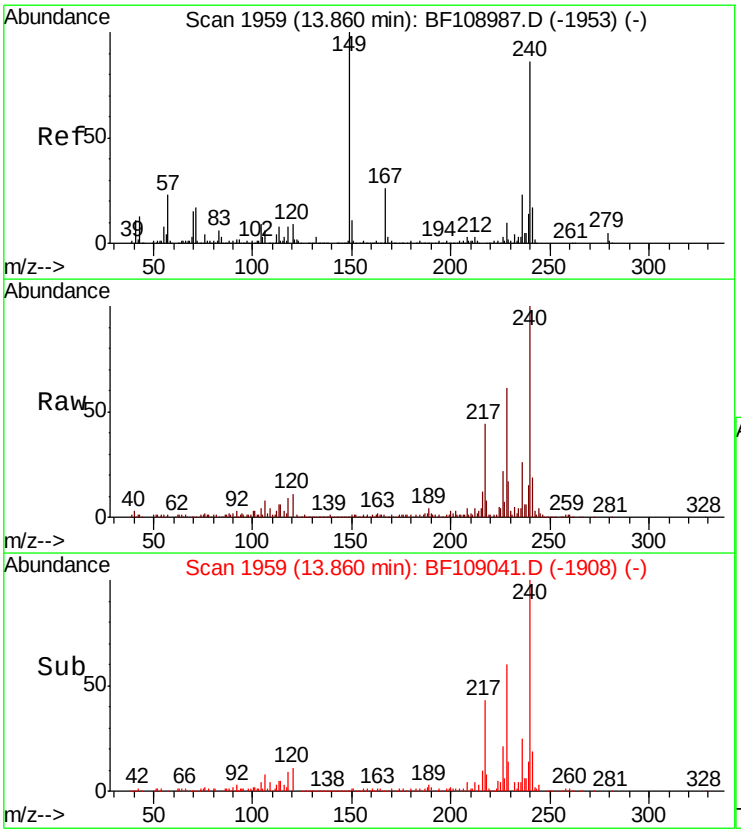

#74
Fluoranthene
Concen: 120.671 ng
RT: 12.45 min Scan# 1719
Delta R.T. 0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:202 Resp: 1746413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 12.0 | 0.0 | 34.1 |
| 203 | 18.6 | 0.0 | 38.1 |

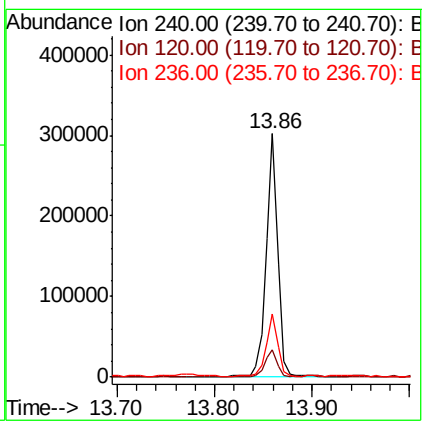


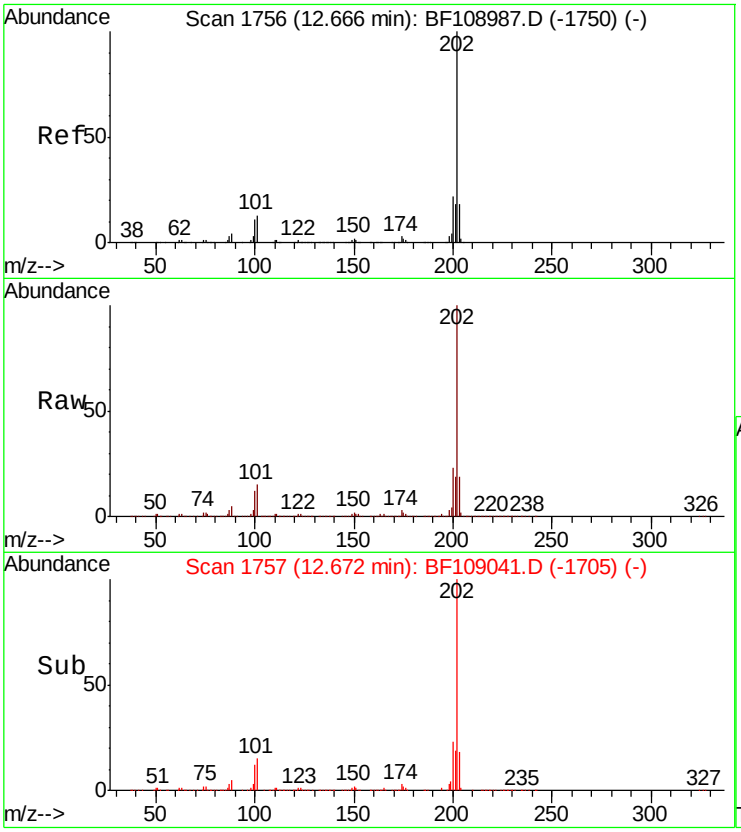




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 1959
Delta R.T. 0.00 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion:240 Resp: 251733

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 11.4 | 9.5 | 14.3 |
| 236 | 25.8 | 20.7 | 31.1 |



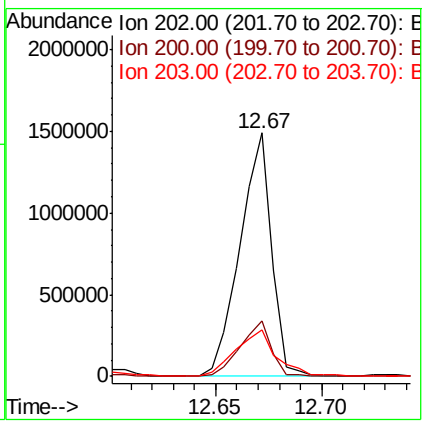


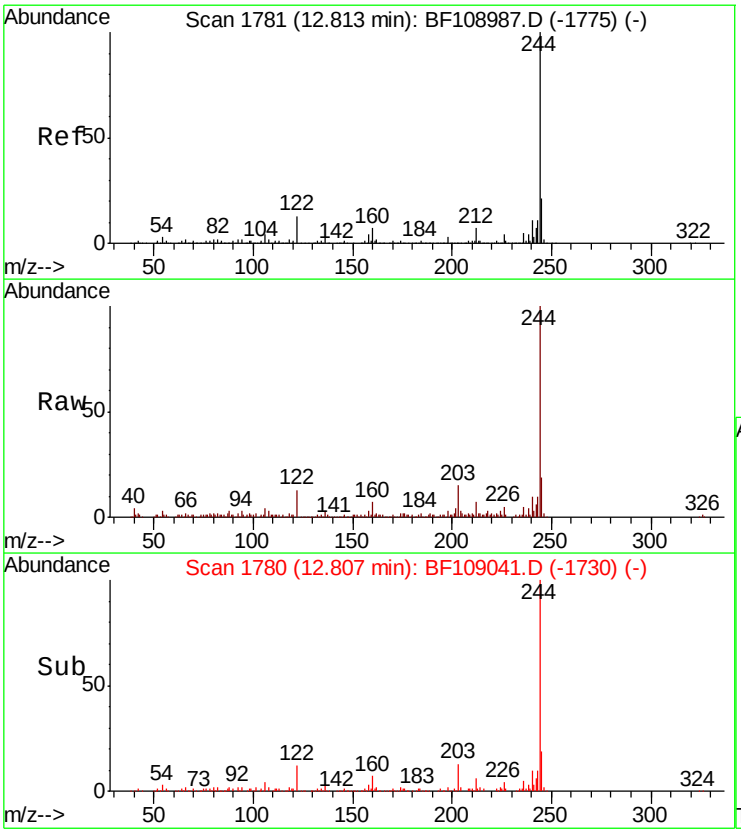

#77
Pyrene
Concen: 82.605 ng
RT: 12.67 min Scan# 1757
Delta R.T. 0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:202 Resp: 1544590

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 23.0 | 17.4 | 26.2 |
| 203 | 18.9 | 14.3 | 21.5 |

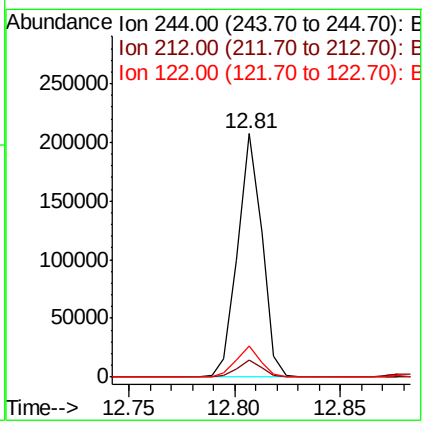


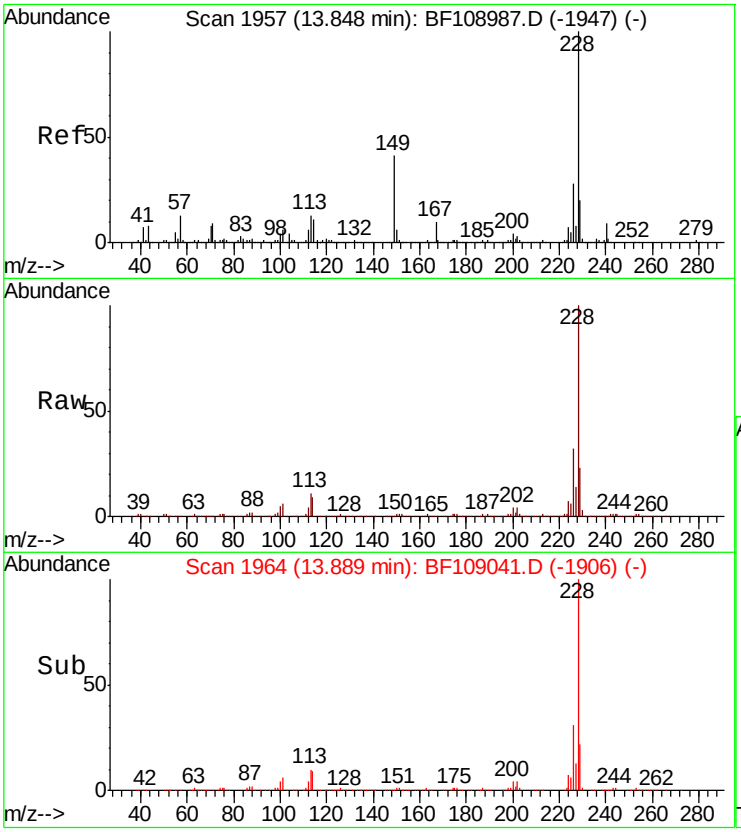




#78
Terphenyl-d14
Concen: 15.528 ng
RT: 12.81 min Scan# 1780
Delta R.T. -0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion:244 Resp: 164913

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.1 | 5.4 | 8.0 |
| 122 | 12.6 | 11.0 | 16.4 |



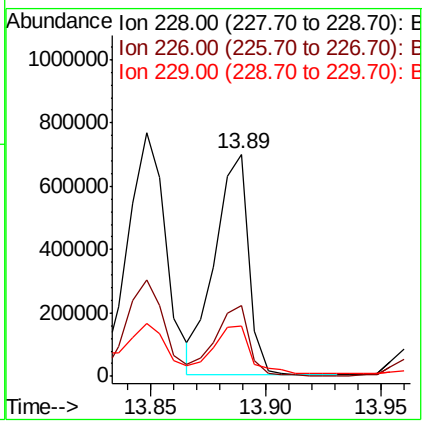


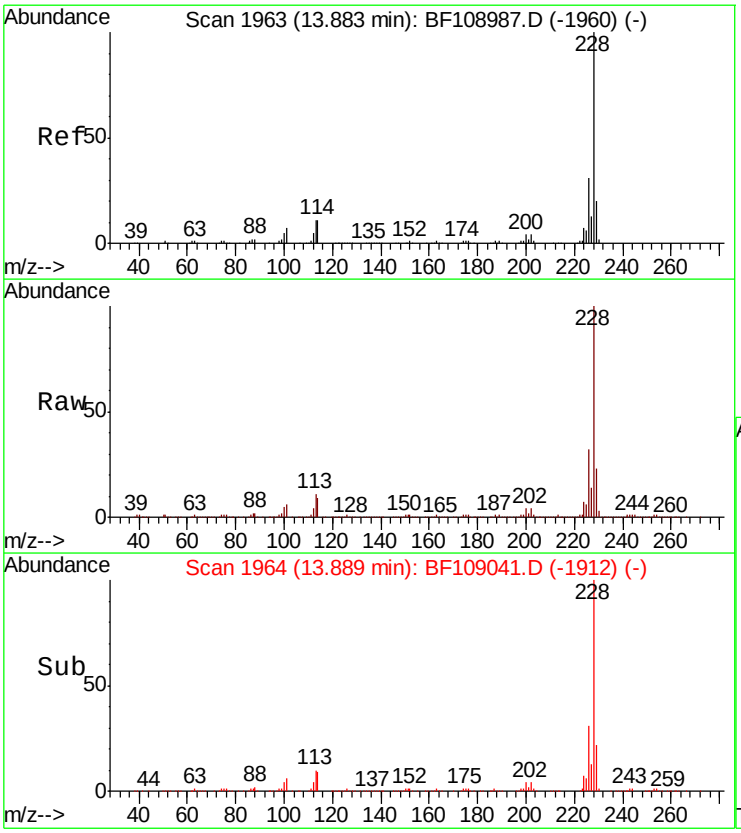

#80
Benzo(a)anthracene
Concen: 46.243 ng
RT: 13.89 min Scan# 1964
Delta R.T. 0.04 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:228 Resp: 704778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.6 | 22.6 | 33.8 |
| 229 | 22.6 | 15.8 | 23.6 |

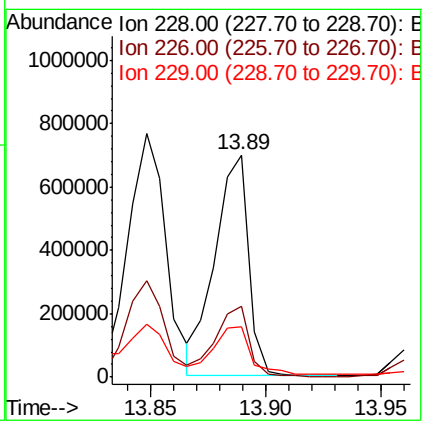


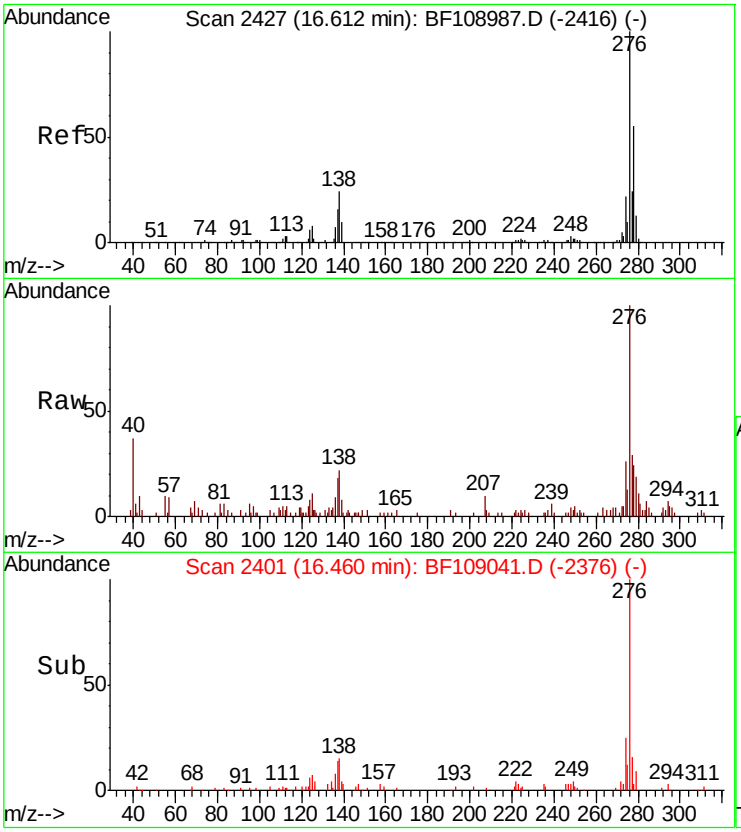




#82
Chrysene
Concen: 46.220 ng
RT: 13.89 min Scan# 1964
Delta R.T. 0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion:228 Resp: 704778

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.6 | 25.0 | 37.6 |
| 229 | 22.6 | 16.2 | 24.4 |



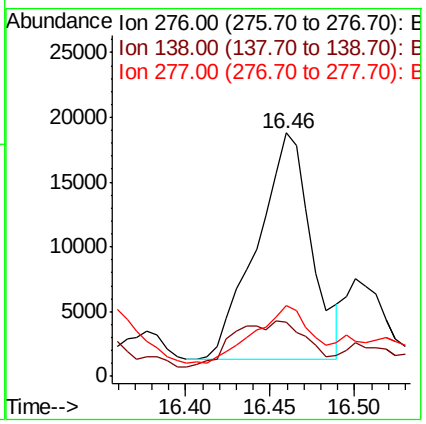


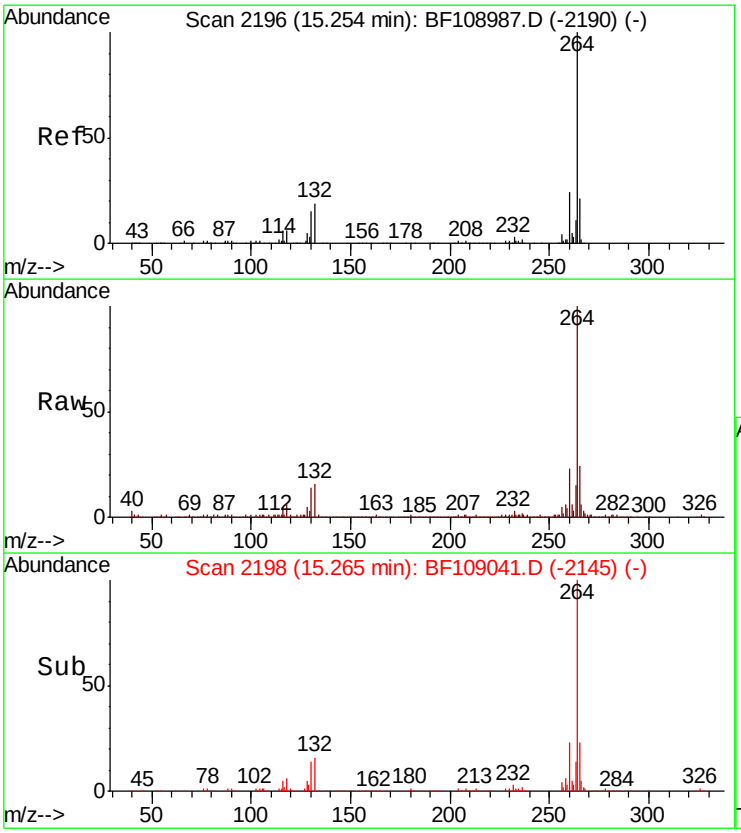

#85
Indeno(1,2,3-cd)pyrene
Concen: 3.208 ng
RT: 16.46 min Scan# 2401
Delta R.T. -0.15 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:276 Resp: 39104

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 27.0 | 25.0 | 37.6 |
| 277 | 25.8 | 20.1 | 30.1 |

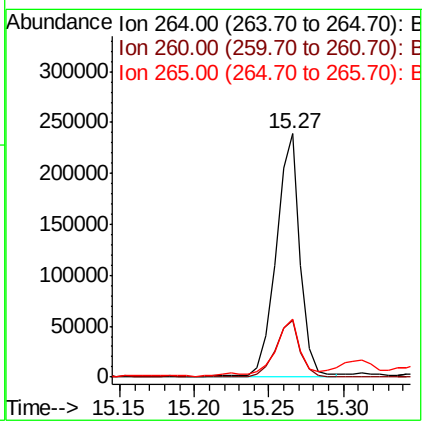


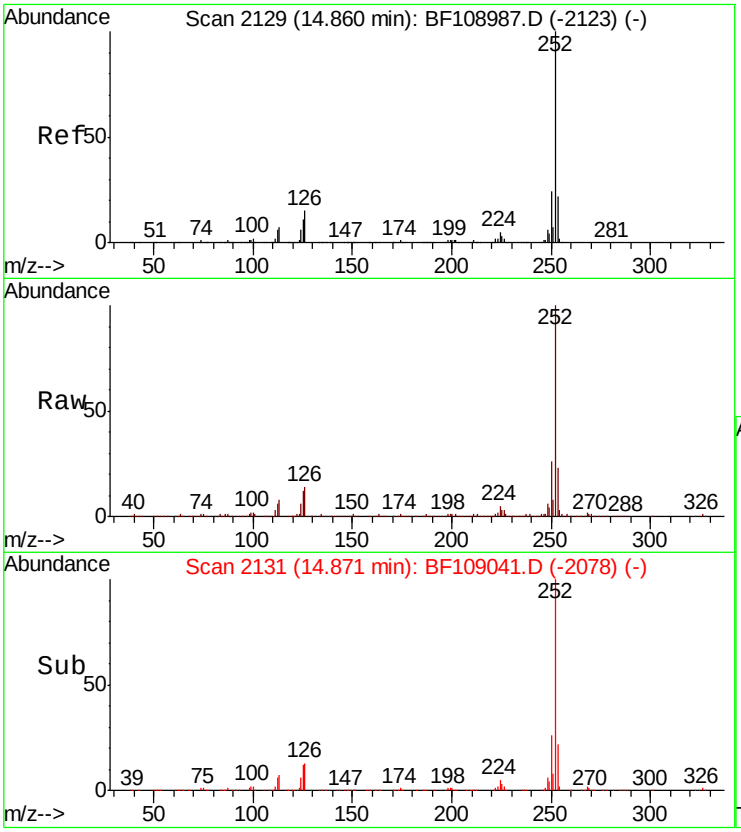




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion:264 Resp: 266303

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 19.2 | 28.8 |
| 265 | 23.7 | 17.5 | 26.3 |



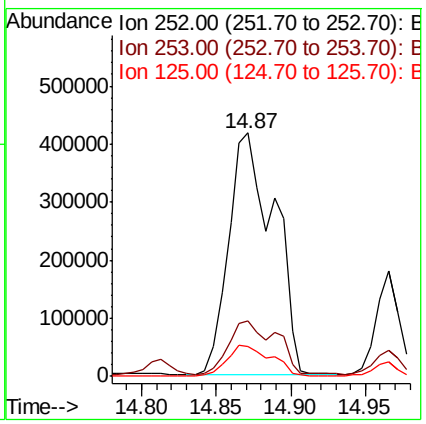


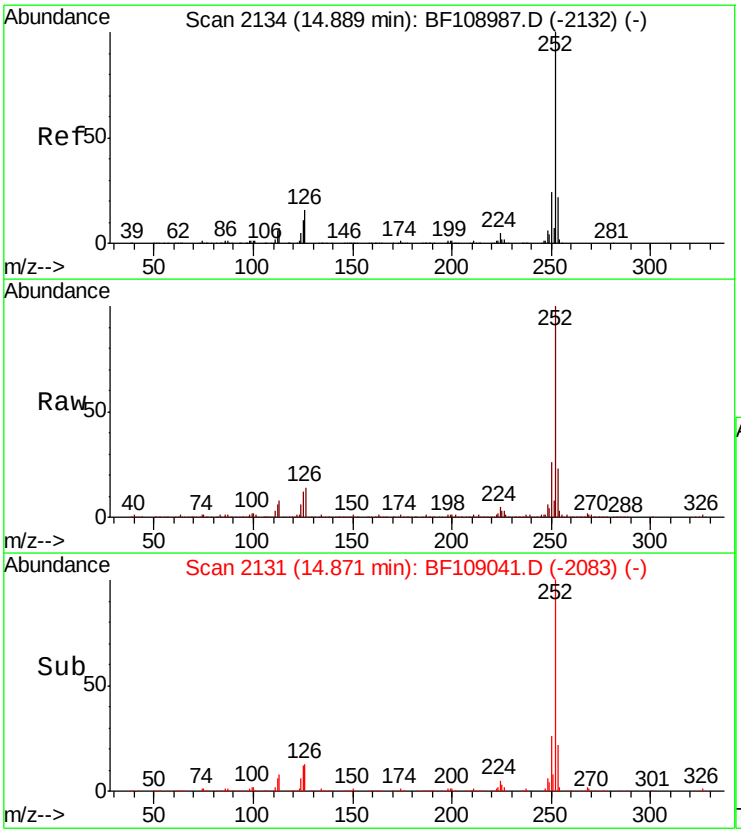

#87
Benzo(b)fluoranthene
Concen: 60.338 ng
RT: 14.87 min Scan# 2131
Delta R.T. 0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:252 Resp: 888921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.0 | 25.6 |
| 125 | 12.2 | 9.0 | 13.6 |

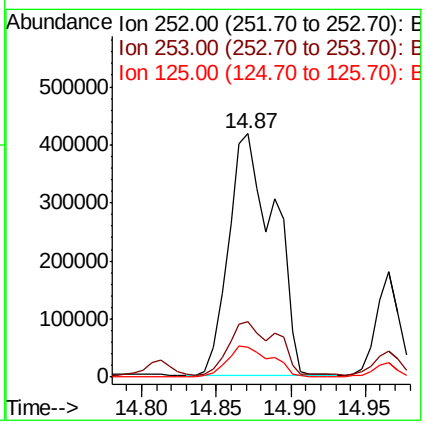


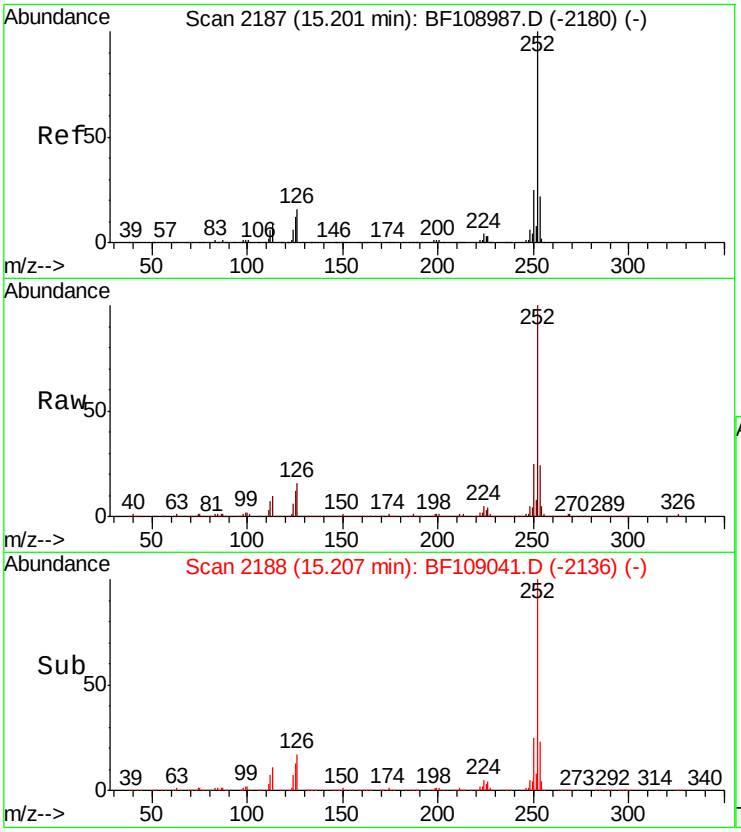




#88
Benzo(k)fluoranthene
Concen: 64.601 ng
RT: 14.87 min Scan# 2131
Delta R.T. -0.02 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion:252 Resp: 888921

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.8 | 17.9 | 26.9 |
| 125 | 12.2 | 10.2 | 15.2 |



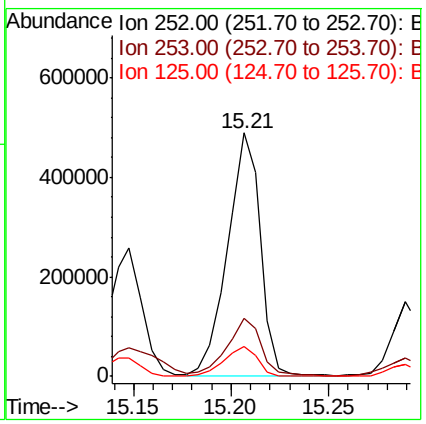


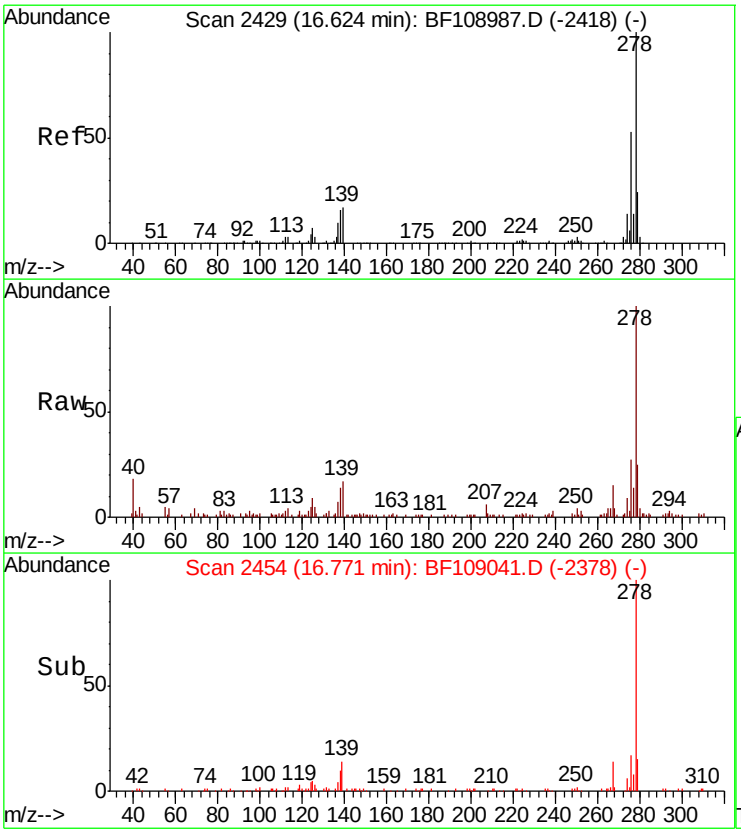

#89
Benzo(a)pyrene
Concen: 43.036 ng
RT: 15.21 min Scan# 2188
Delta R.T. 0.01 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:252 Resp: 563057

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 23.7 | 17.1 | 25.7 |
| 125 | 12.2 | 9.8 | 14.6 |

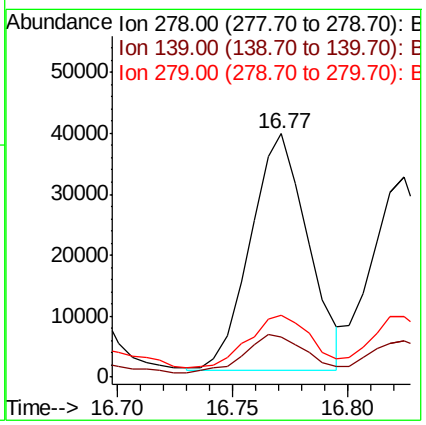


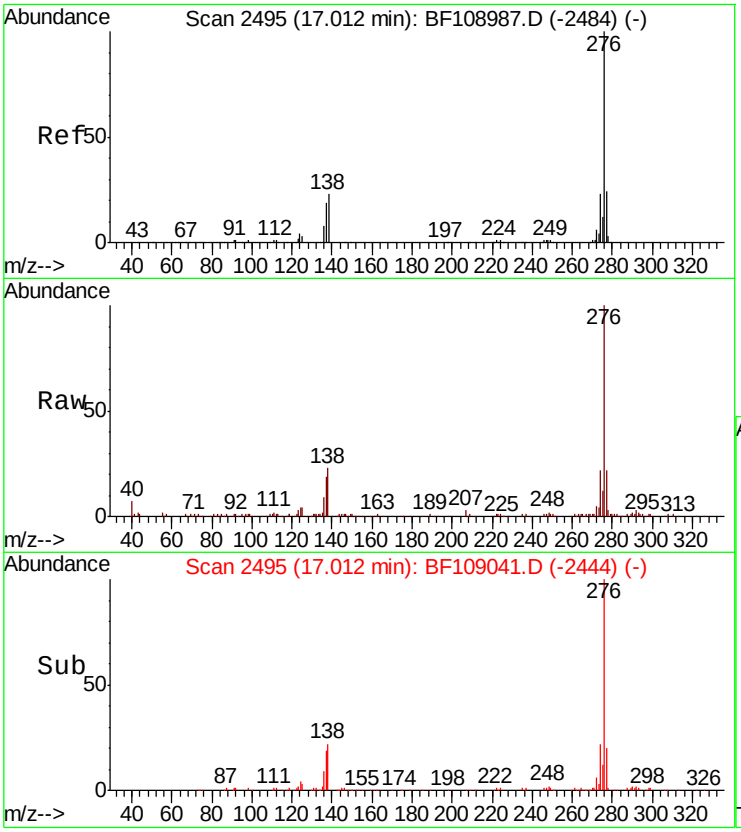




#90
Dibenzo(a,h)anthracene
Concen: 6.144 ng
RT: 16.77 min Scan# 2454
Delta R.T. 0.15 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

Tgt Ion:278 Resp: 67538

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 278 | 100 | | |
| 139 | 16.6 | 15.9 | 23.9 |
| 279 | 25.3 | 19.0 | 28.4 |






#91
Benzo(g,h,i)perylene
Concen: 16.546 ng
RT: 17.01 min Scan# 2495
Delta R.T. 0.00 min
Lab File: BF109041.D
Acq: 17 Sep 2018 12:03

**Instrument :**
BNA_F
**ClientSampleId :**
ROLLOFF-03_COMP_FILL

Tgt Ion:276 Resp: 181828

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 22.0 | 17.9 | 26.9 |
| 138 | 22.9 | 21.8 | 32.8 |