Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101408.D
Acq On : 14 Dec 2017 22:04
Operator : SJ/JU
Sample : I6842-01 100X
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Dec 14 23:48:31 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 15:42:32 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.82 | 152 | 178193 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.10 | 136 | 735120 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.85 | 164 | 325926 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.34 | 188 | 600026 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.99 | 240 | 392661 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.46 | 264 | 335368 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.53 | 112 | 148 | 0.01 | ng | | 0.09 |
| 7) Phenol-d6 | 6.47 | 99 | 1571 | 0.11 | ng | | 0.02 |
| 23) Nitrobenzene-d5 | 7.40 | 82 | 1013 | 0.08 | ng | | 0.02 |
| 41) 2,4,6-Tribromophenol | 10.66 | 330 | 287 | 0.09 | ng | | 0.01 |
| 44) 2-Fluorobiphenyl | 9.17 | 172 | 1765 | 0.08 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.93 | 244 | 2885 | 0.18 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.49 | 94 | 47959 | 2.826 | ng | | 95 |
| 20) 3+4-Methylphenols | 7.25 | 107 | 34508 | 2.813 | ng | | 87 |
| 31) Naphthalene | 8.12 | 128 | 238617 | 6.448 | ng | | 99 |
| 32) Benzoic acid | 7.92 | 122 | 10700 | 9.203 | ng | # | 18 |
| 50) 2,6-Dinitrotoluene | 9.85 | 165 | 43937 | 8.246 | ng | # | 26 |
| 53) 2,4-Dinitrophenol | 10.15 | 184 | 137 | 10.385 | ng | # | 1 |
| 54) Dibenzofuran | 10.06 | 168 | 89798 | 3.367 | ng | | 98 |
| 57) Fluorene | 10.40 | 166 | 182819 | 8.103 | ng | | 100 |
| 70) Phenanthrene | 11.37 | 178 | 1360935 | 40.785 | ng | | 98 |
| 71) Anthracene | 11.42 | 178 | 666959 | 19.568 | ng | | 100 |
| 72) Carbazole | 11.58 | 167 | 206690 | 6.477 | ng | | 99 |
| 74) Fluoranthene | 12.56 | 202 | 1216671 | 34.737 | ng | | 99 |
| 77) Pyrene | 12.79 | 202 | 921464 | 31.269 | ng | | 99 |
| 80) Benzo(a)anthracene | 13.98 | 228 | 410962 | 15.850 | ng | | 99 |
| 82) Chrysene | 14.02 | 228 | 326595 | 13.341 | ng | | 98 |
| 85) Indeno(1,2,3-cd)pyrene | 16.94 | 276 | 112187 | 5.146 | ng | | 94 |
| 87) Benzo(b)fluoranthene | 15.03 | 252 | 409040 | 20.010 | ng | | 98 |
| 88) Benzo(k)fluoranthene | 15.03 | 252 | 409040 | 20.581 | ng | | 99 |
| 89) Benzo(a)pyrene | 15.40 | 252 | 210581 | 11.175 | ng | | 98 |
| 91) Benzo(g,h,i)perylene | 17.39 | 276 | 90898 | 5.674 | ng | | 98 |

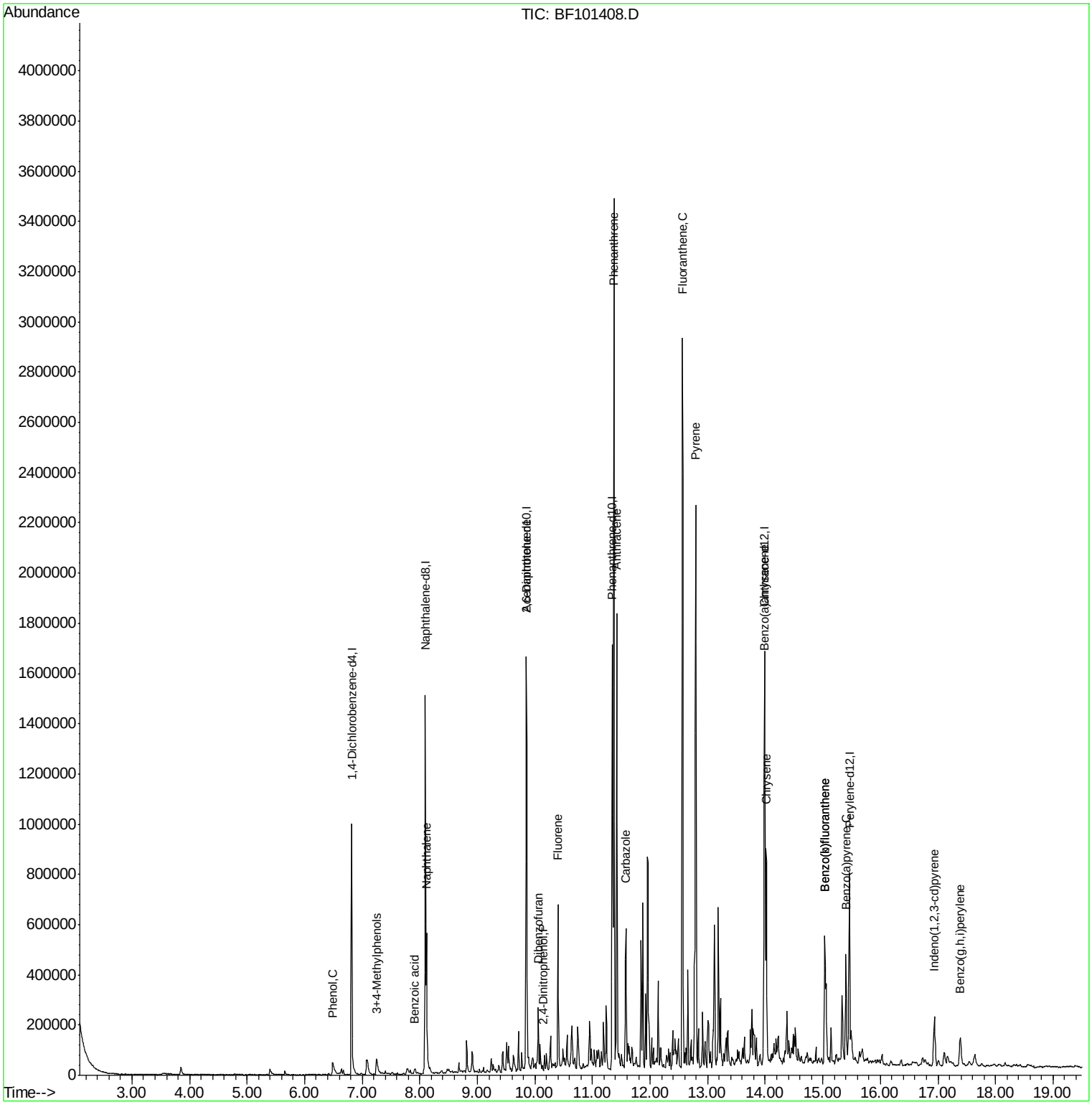
(#) = qualifier out of range (m) = manual integration (+) = signals summed

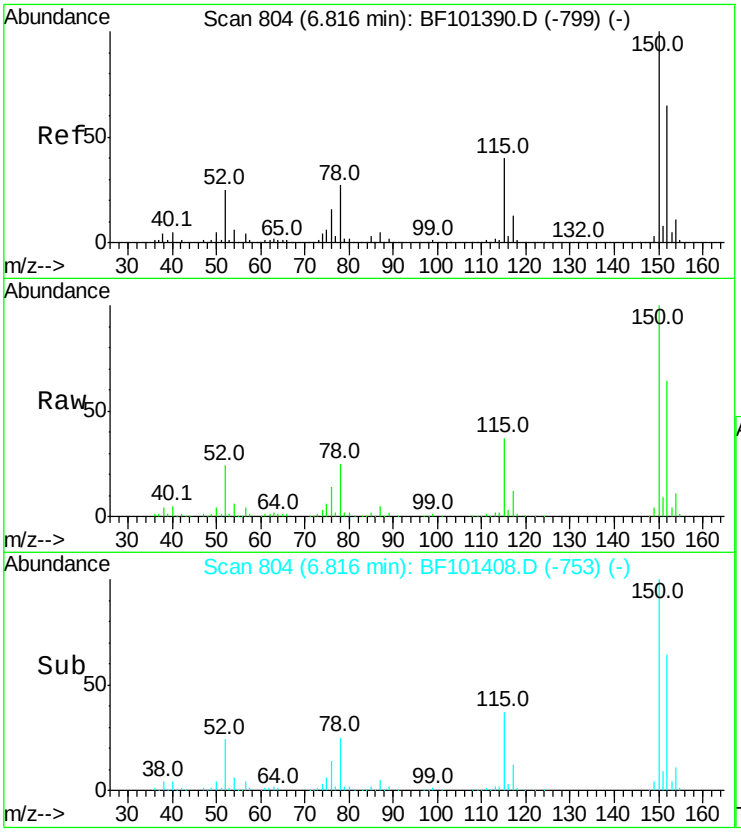
Quantitation Report (Not Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101408.D
Acq On : 14 Dec 2017 22:04
Operator : SJ/JU
Sample : I6842-01 100X
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Dec 14 23:48:31 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 14 15:42:32 2017
Response via : Initial Calibration



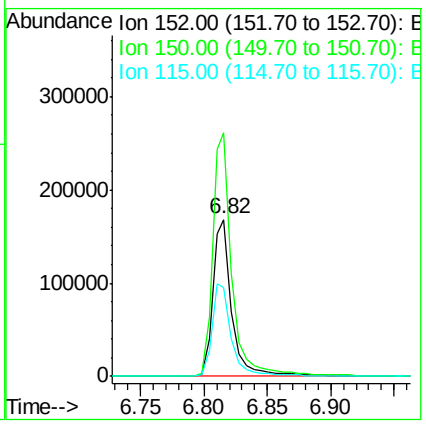


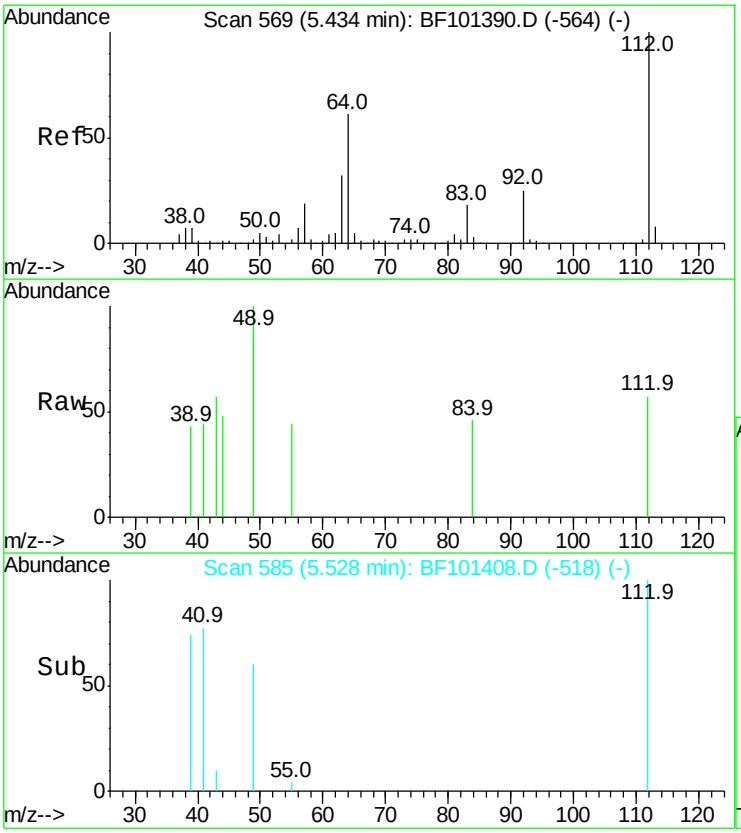

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

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

Tgt Ion:152 Resp: 178193

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 155.4 | 124.6 | 186.8 |
| 115 | 57.0 | 50.1 | 75.1 |

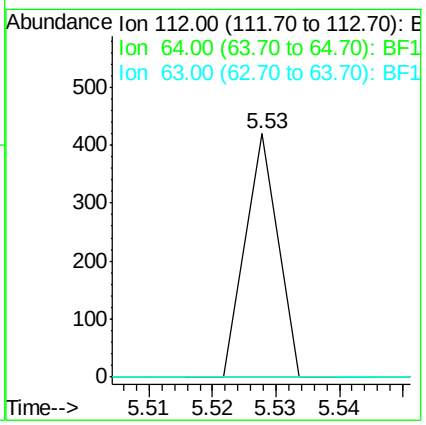


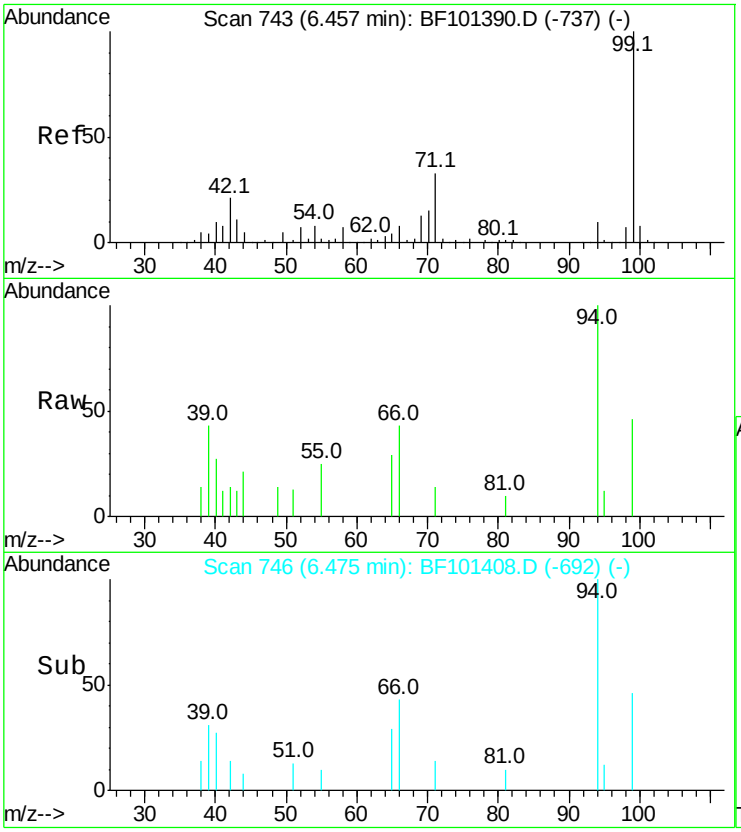




#5
2-Fluorophenol
Concen: 0.012 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.09 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion:112 Resp: 148

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 0.0 | 47.9 | 71.9# |
| 63 | 0.0 | 23.7 | 35.5# |



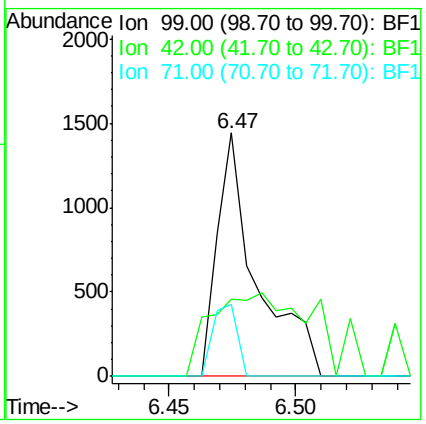


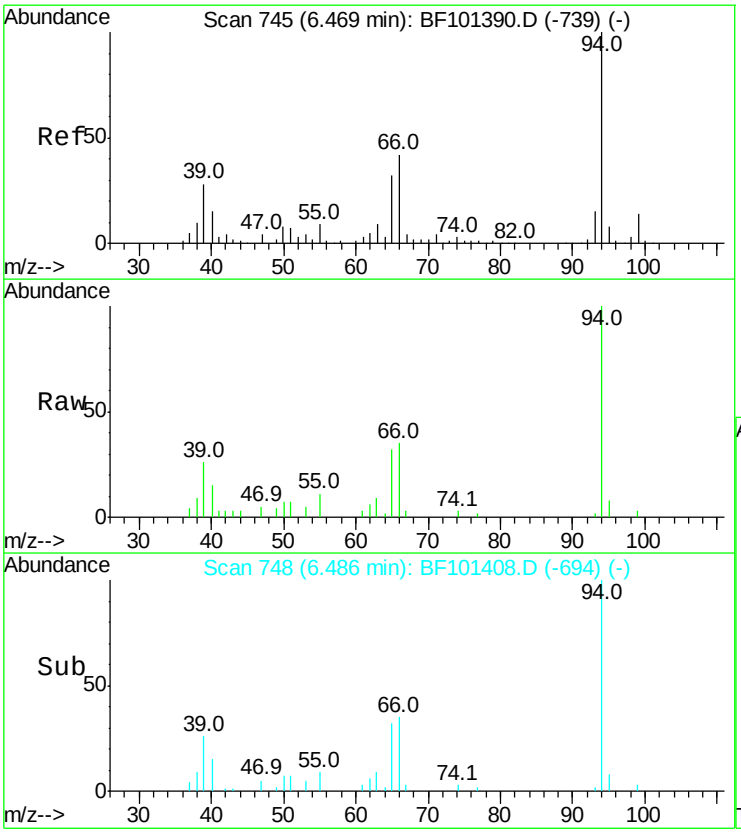

#7
Phenol-d6
Concen: 0.106 ng
RT: 6.47 min Scan# 746
Delta R.T. 0.02 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

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

Tgt Ion: 99 Resp: 1571

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 31.8 | 14.5 | 21.7# |
| 71 | 29.9 | 25.4 | 38.0 |

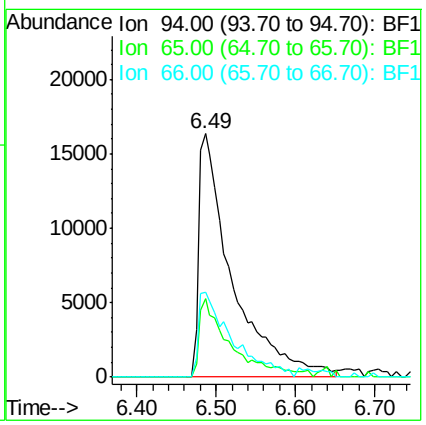


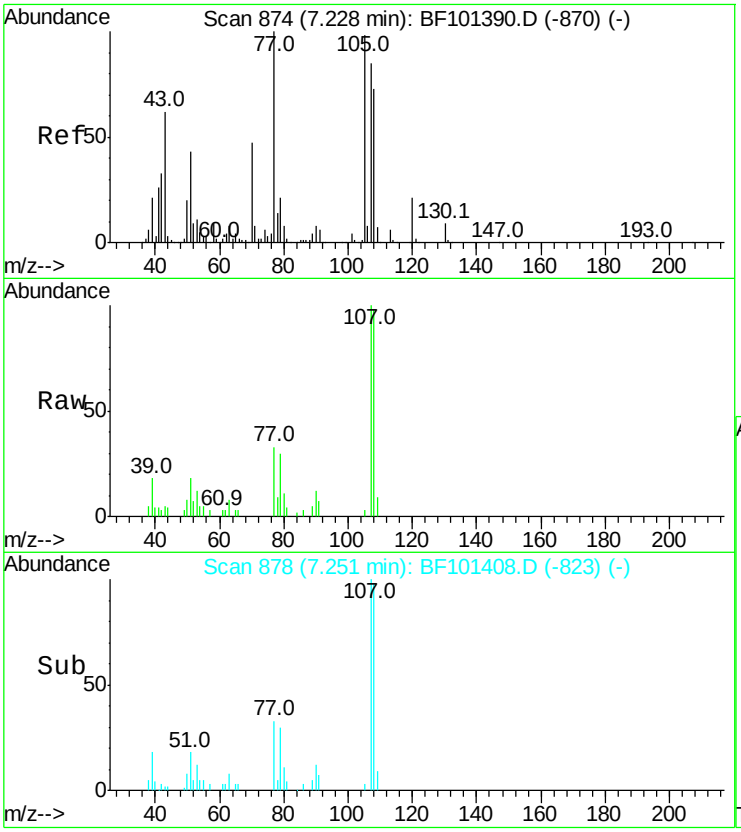




#10
Phenol
Concen: 2.826 ng
RT: 6.49 min Scan# 748
Delta R.T. 0.02 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion: 94 Resp: 47959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 32.4 | 7.9 | 47.9 |
| 66 | 34.9 | 16.2 | 56.2 |



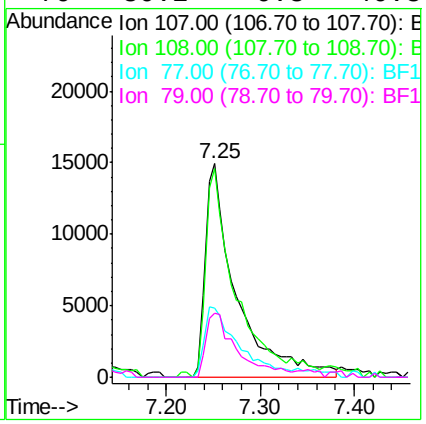


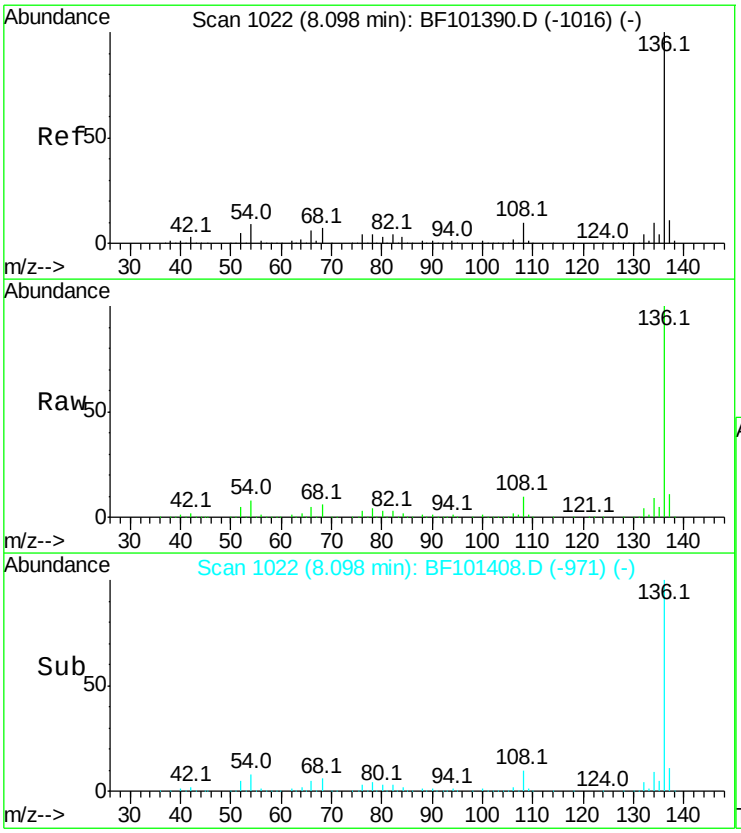

#20
3+4-Methylphenols
Concen: 2.813 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.02 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

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

Tgt Ion:107 Resp: 34508

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 97.8 | 68.2 | 108.2 |
| 77 | 32.6 | 26.7 | 66.7 |
| 79 | 30.2 | 6.3 | 46.3 |

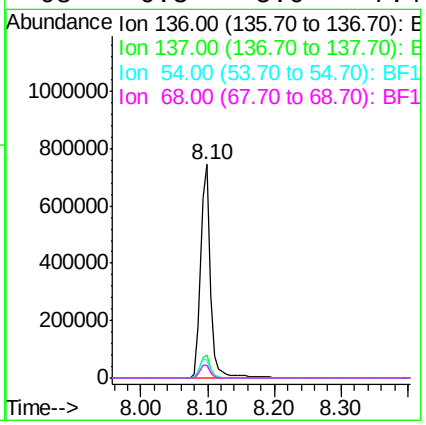


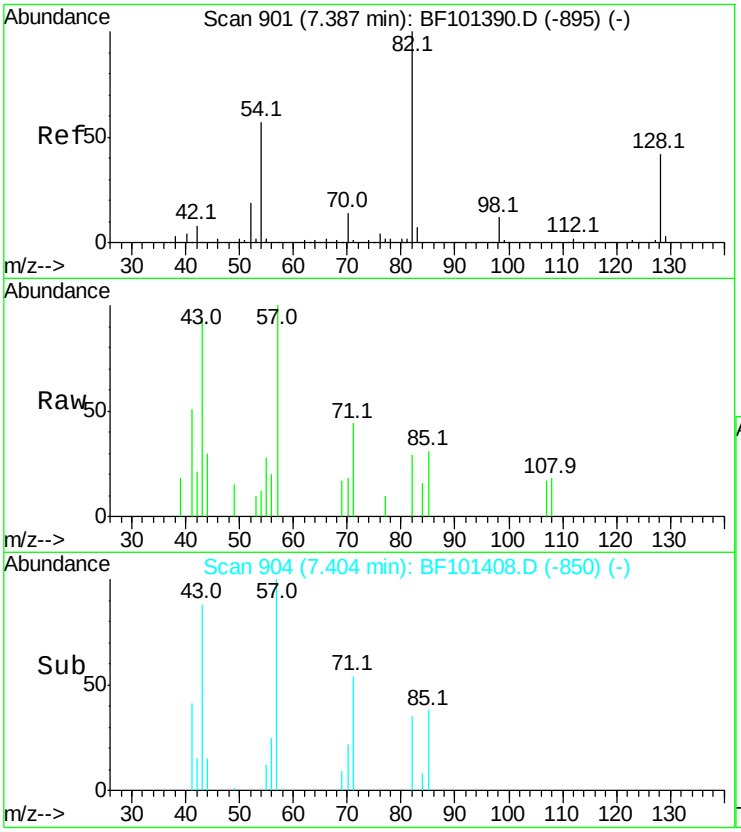




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion:136 Resp: 735120

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.7 | 8.9 | 13.3 |
| 54 | 8.4 | 6.6 | 9.8 |
| 68 | 6.3 | 5.0 | 7.4 |



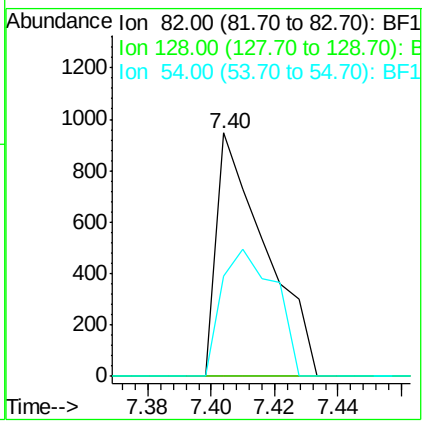


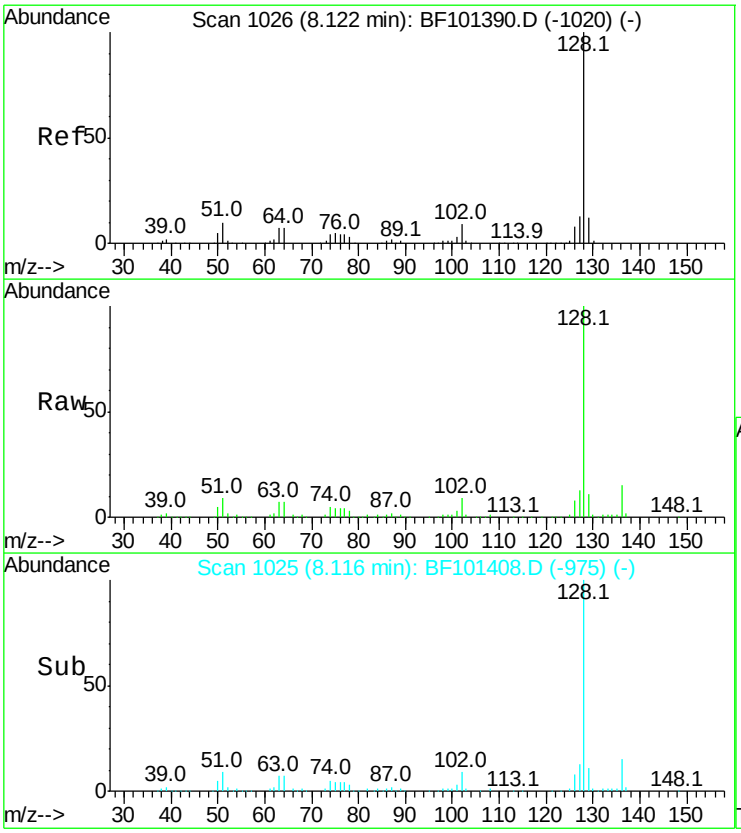

#23
Nitrobenzene-d5
Concen: 0.077 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.02 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

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

Tgt Ion: 82 Resp: 1013

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 0.0 | 36.1 | 54.1# |
| 54 | 41.1 | 41.4 | 62.2# |

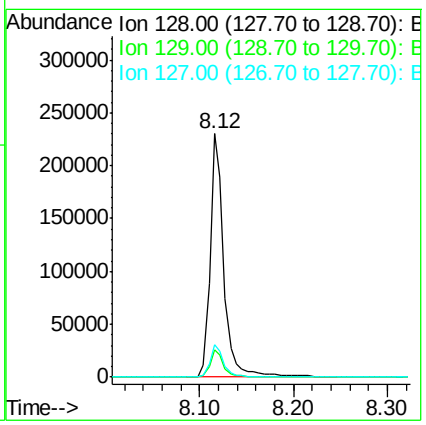


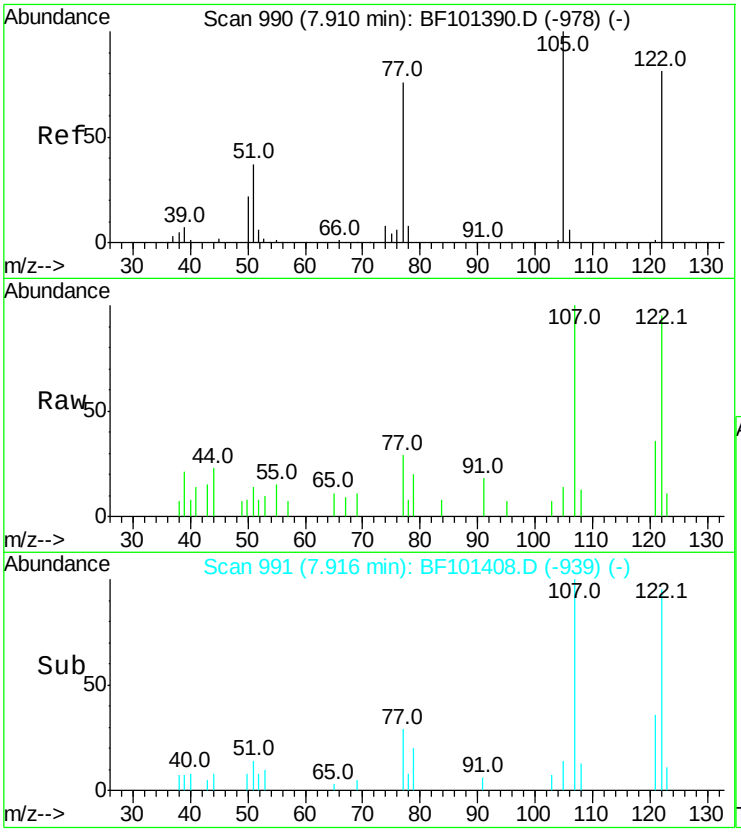




#31
Naphthalene
Concen: 6.448 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion:128 Resp: 238617

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.3 | 8.8 | 13.2 |
| 127 | 13.1 | 10.9 | 16.3 |



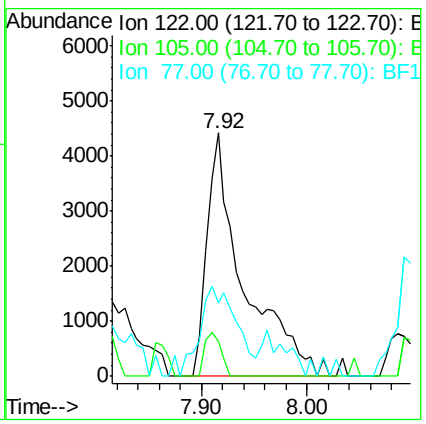


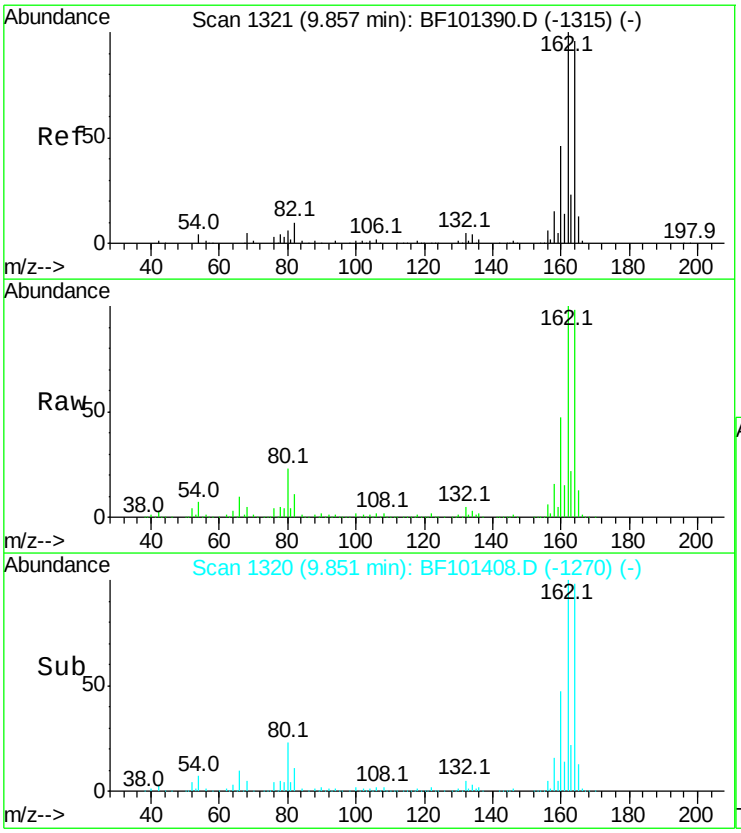

#32
Benzoic acid
Concen: 9.203 ng
RT: 7.92 min Scan# 991
Delta R.T. 0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

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

Tgt Ion:122 Resp: 10700

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 14.3 | 101.1 | 141.1# |
| 77 | 30.1 | 70.7 | 110.7# |

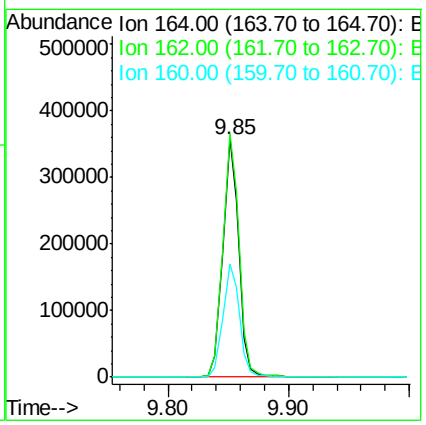


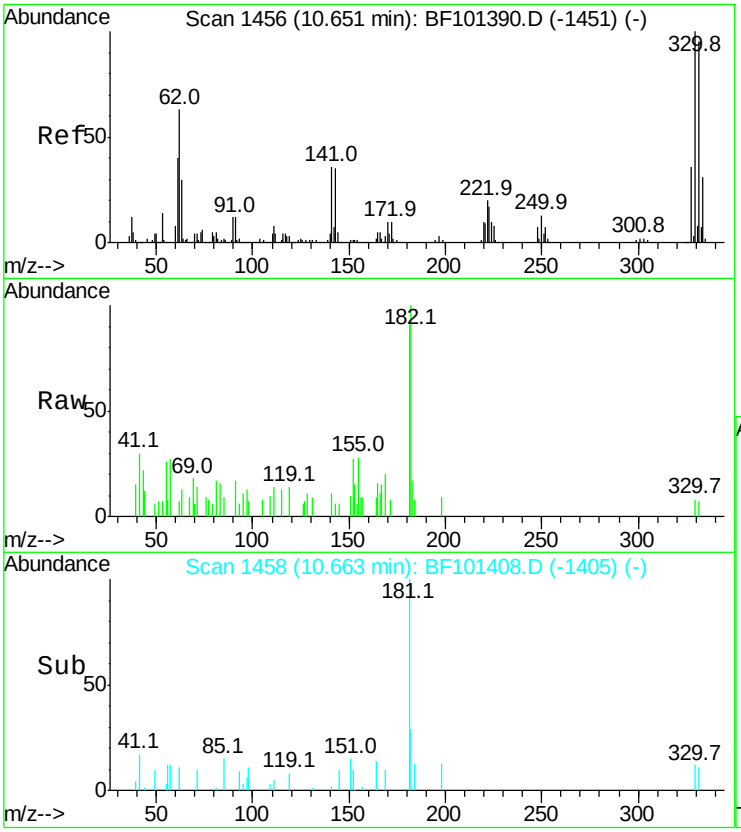




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion:164 Resp: 325926

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 102.1 | 86.1 | 129.1 |
| 160 | 47.7 | 38.3 | 57.5 |



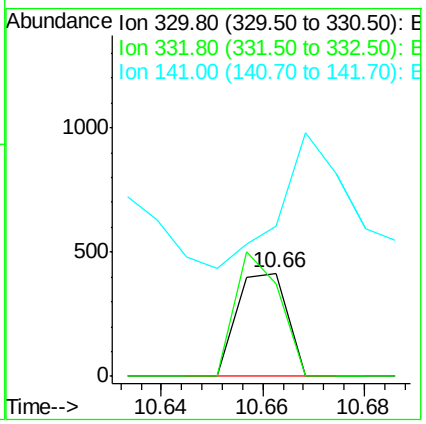


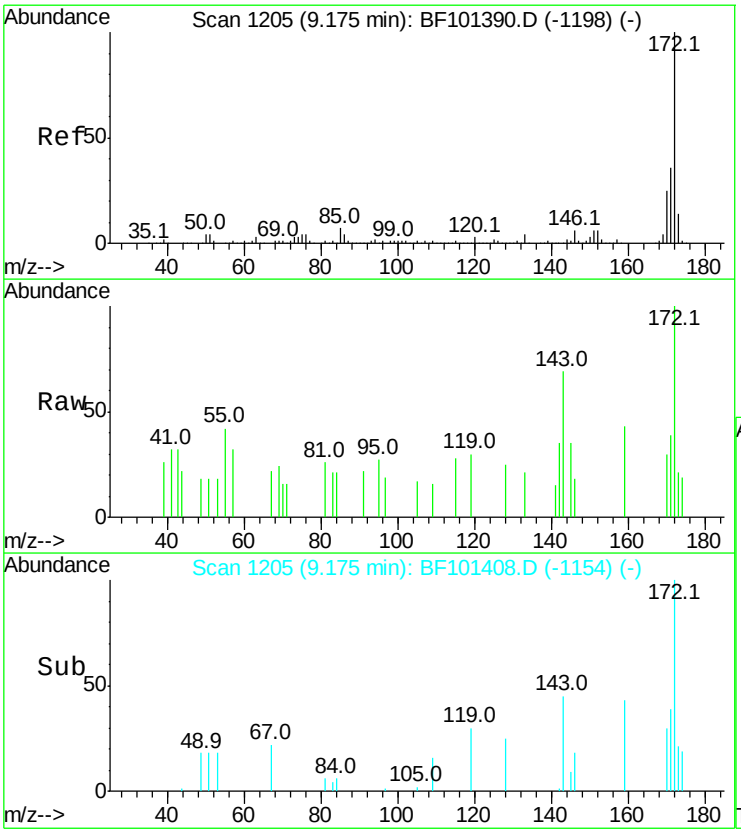

#41
2,4,6-Tribromophenol
Concen: 0.091 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

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

Tgt Ion:330 Resp: 287

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 107.3 | 77.0 | 115.6 |
| 141 | 706.6 | 29.9 | 44.9# |

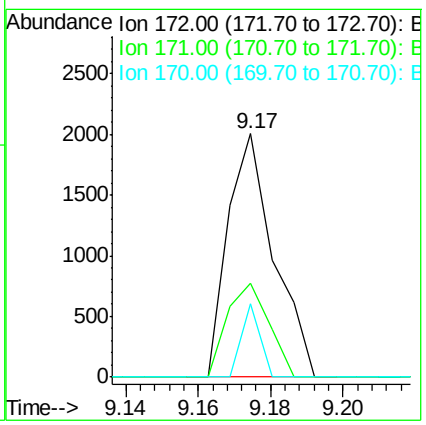


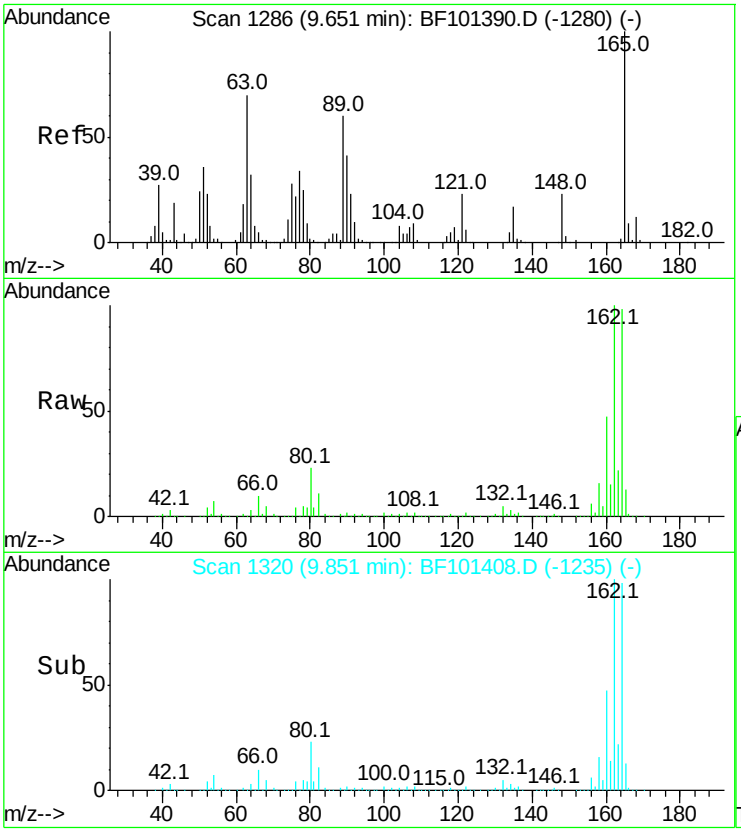




#44
2-Fluorobiphenyl
Concen: 0.084 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.00 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion:172 Resp: 1765

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 38.8 | 29.7 | 44.5 |
| 170 | 29.9 | 19.6 | 29.4# |



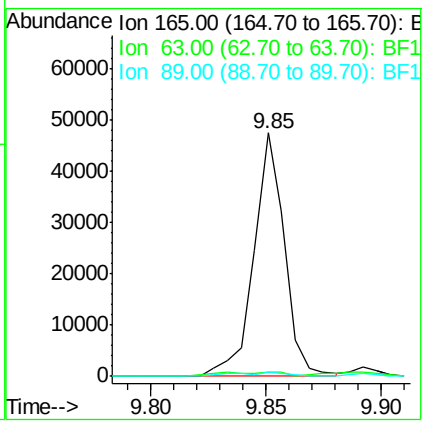


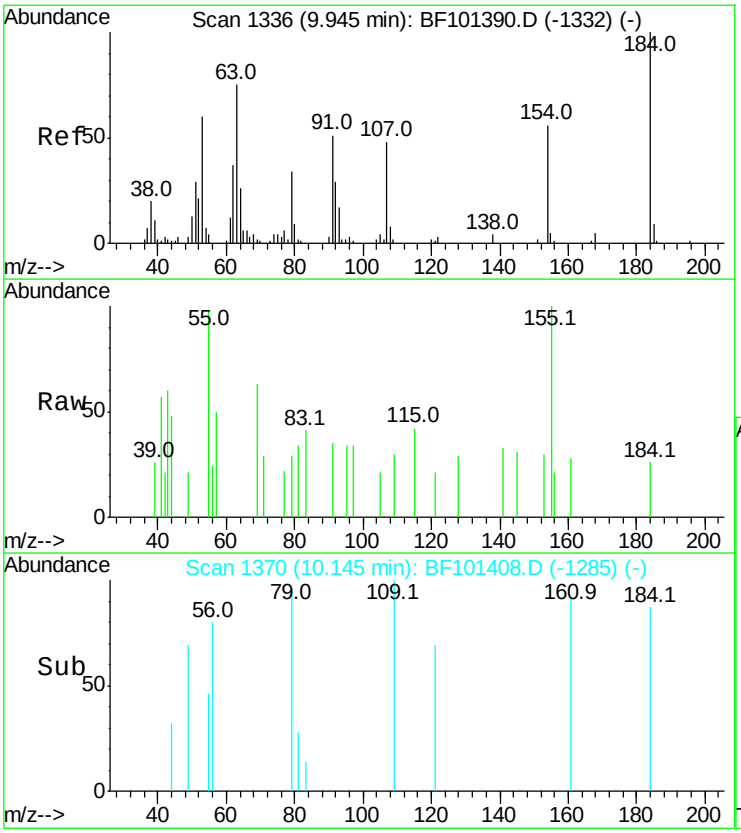

#50
2,6-Dinitrotoluene
Concen: 8.246 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.20 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

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

Tgt Ion:165 Resp: 43937

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.9 | 44.7 | 67.1# |
| 89 | 1.9 | 44.0 | 66.0# |

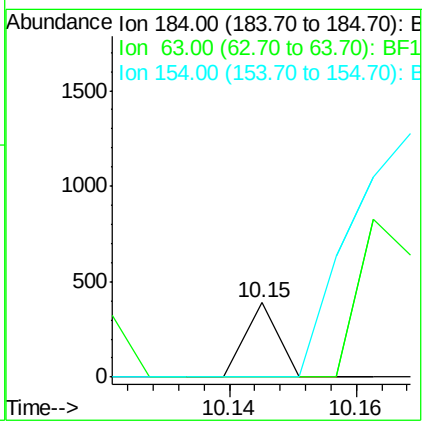


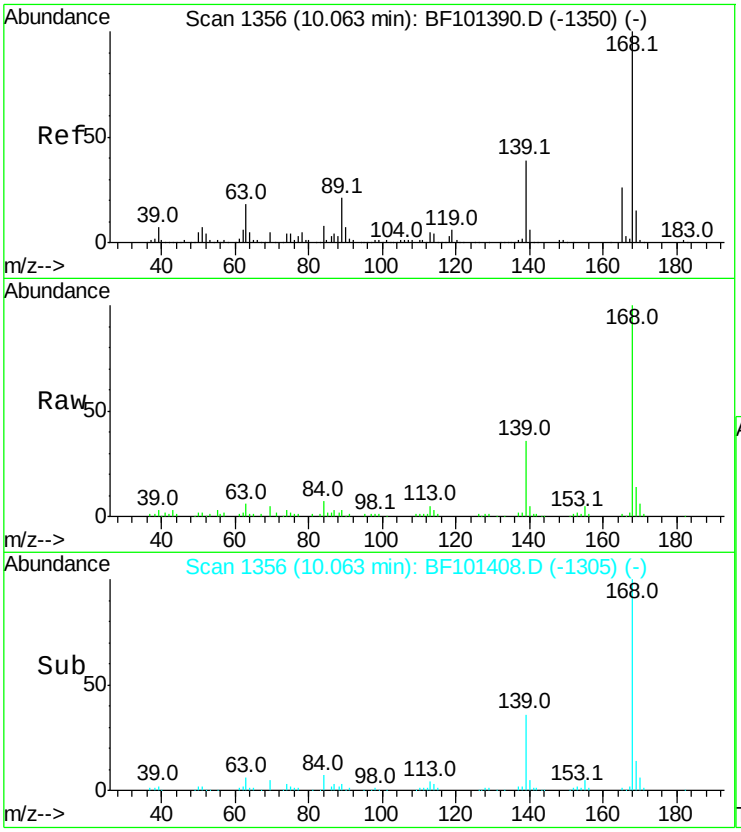




#53
2,4-Dinitrophenol
Concen: 10.385 ng
RT: 10.15 min Scan# 1370
Delta R.T. 0.20 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion:184 Resp: 137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 184 | 100 | | |
| 63 | 0.0 | 54.2 | 81.2# |
| 154 | 0.0 | 184.0 | 276.0# |



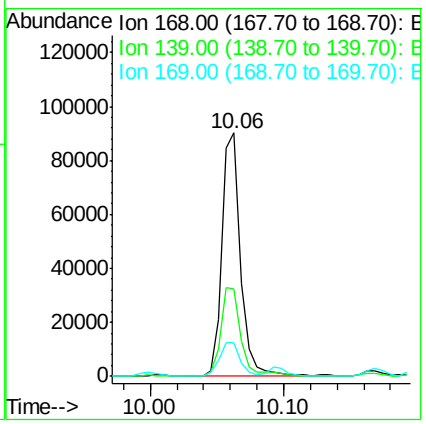


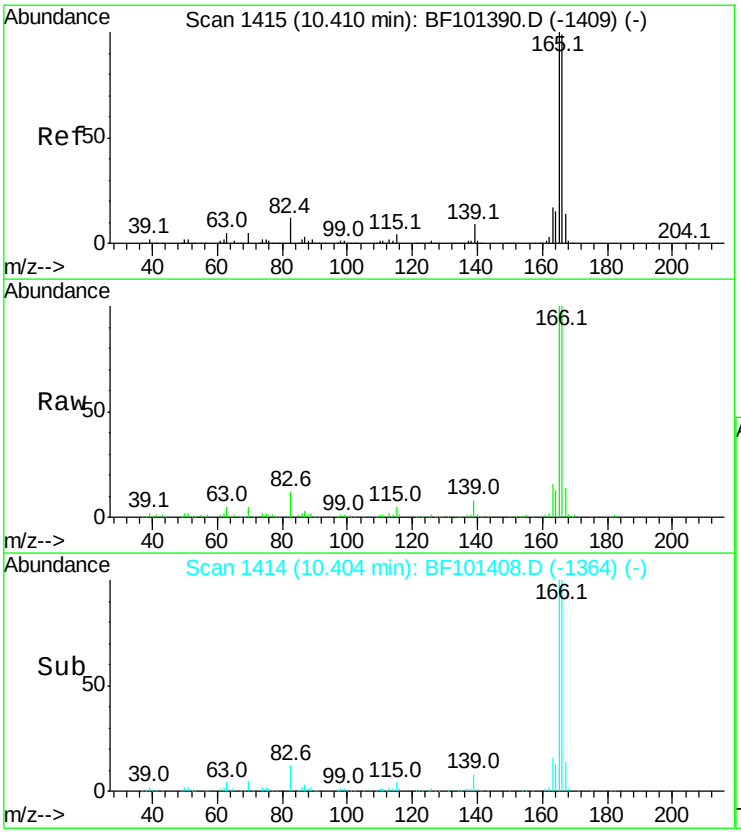

#54
Dibenzofuran
Concen: 3.367 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.00 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

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

Tgt Ion:168 Resp: 89798

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 36.1 | 30.1 | 45.1 |
| 169 | 14.0 | 10.9 | 16.3 |

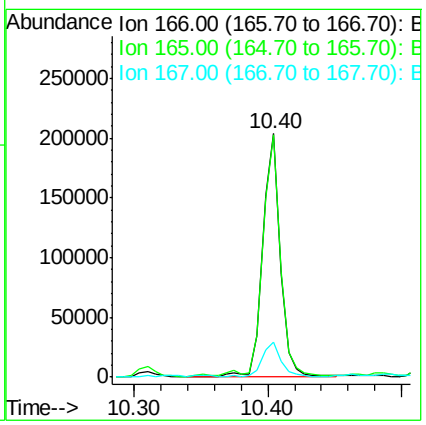


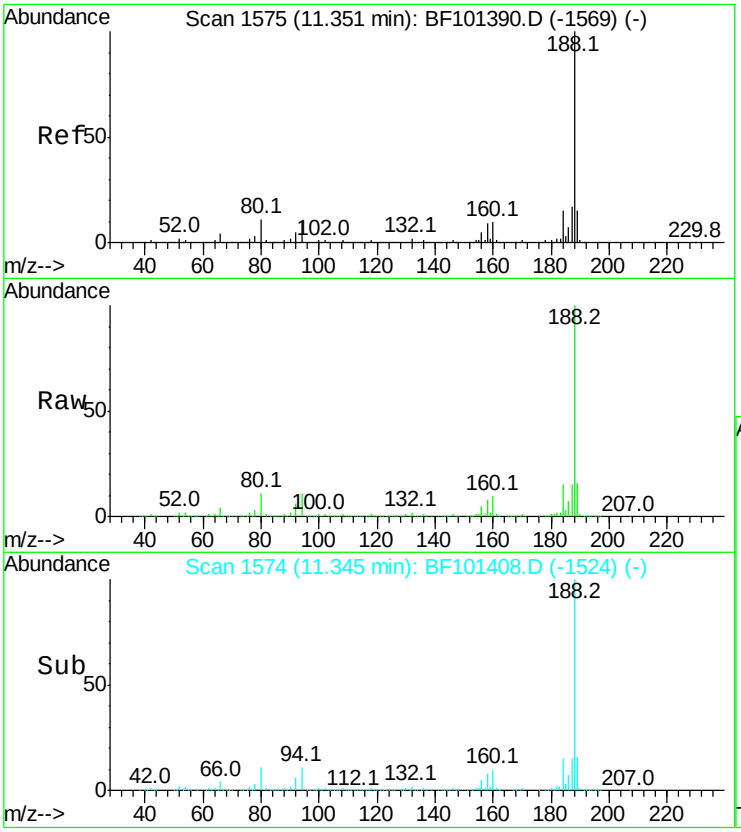




#57
Fluorene
Concen: 8.103 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion:166 Resp: 182819

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 166 | 100 | | |
| 165 | 99.7 | 79.8 | 119.8 |
| 167 | 14.2 | 10.6 | 16.0 |



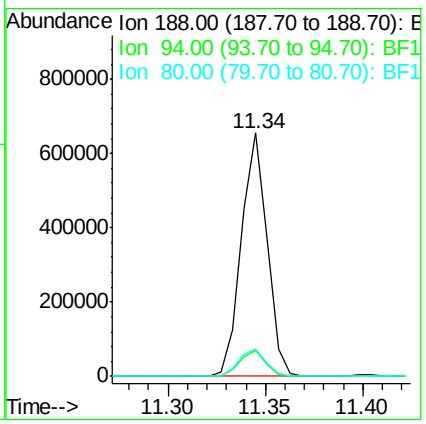


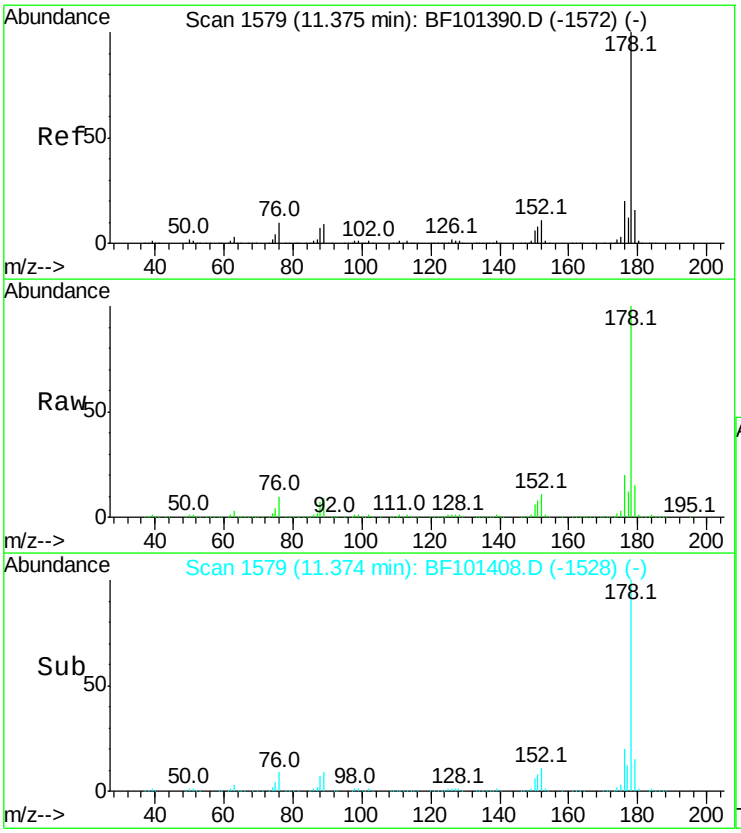

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

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

Tgt Ion:188 Resp: 600026

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.7 | 8.5 | 12.7 |
| 80 | 11.3 | 9.2 | 13.8 |

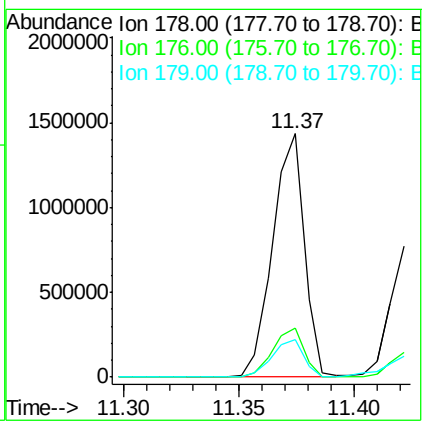


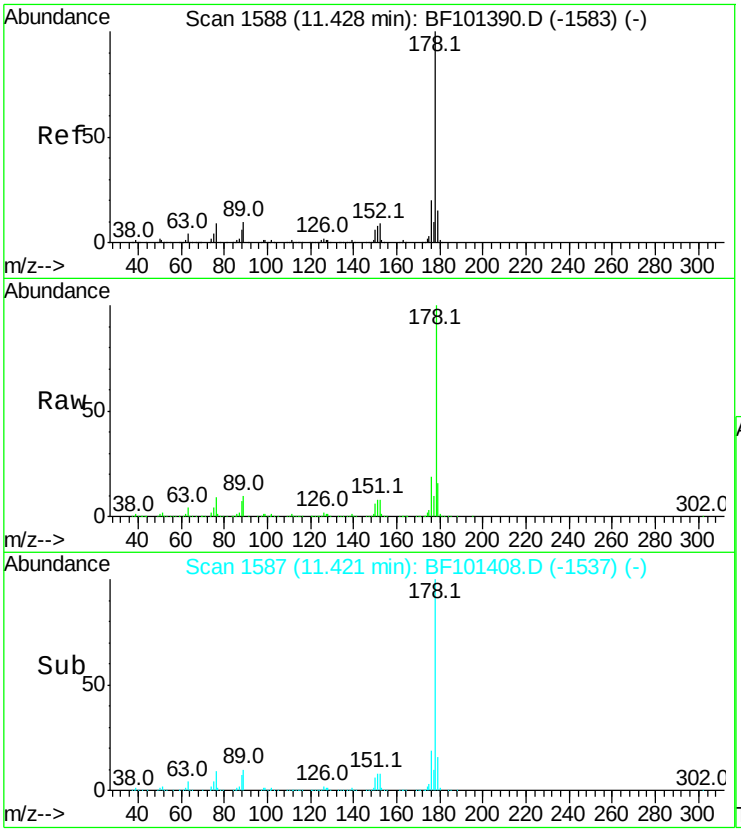




#70
Phenanthrene
Concen: 40.785 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion:178 Resp: 1360935

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 20.4 | 15.8 | 23.8 |
| 179 | 15.4 | 13.0 | 19.6 |



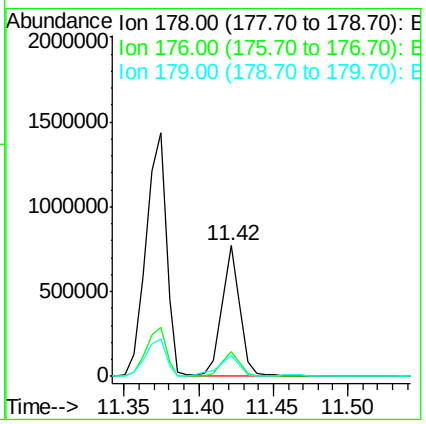


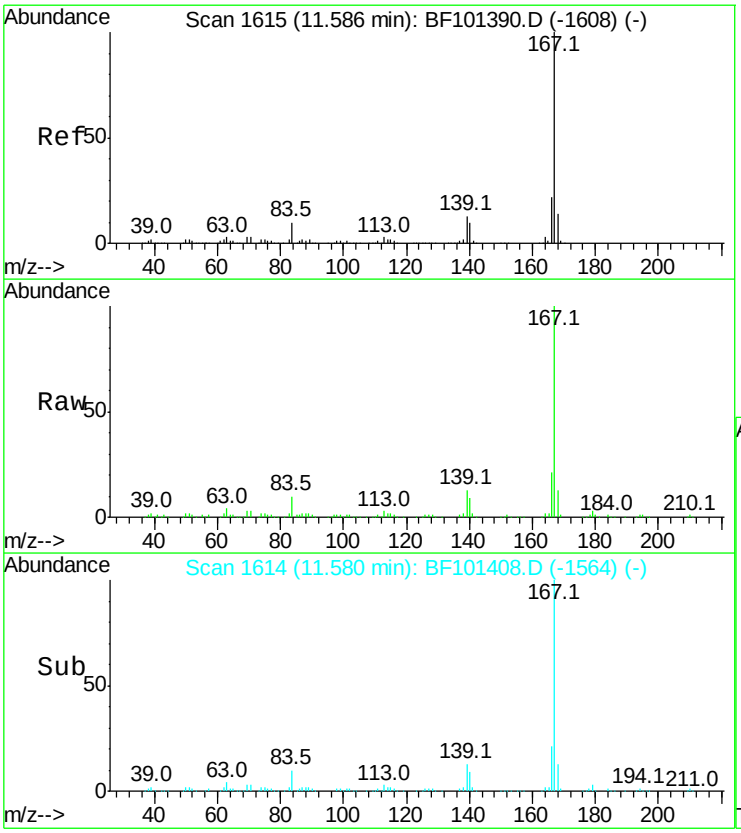

#71
Anthracene
Concen: 19.568 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

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

Tgt Ion:178 Resp: 666959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 19.3 | 15.4 | 23.2 |
| 179 | 15.8 | 12.6 | 19.0 |

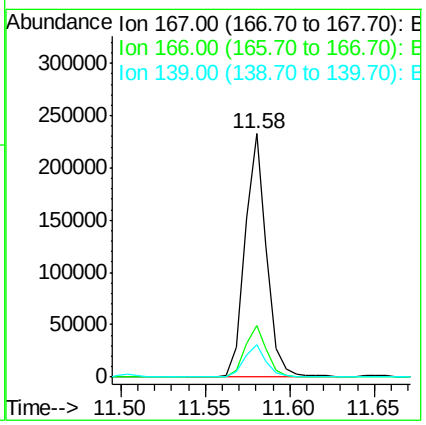


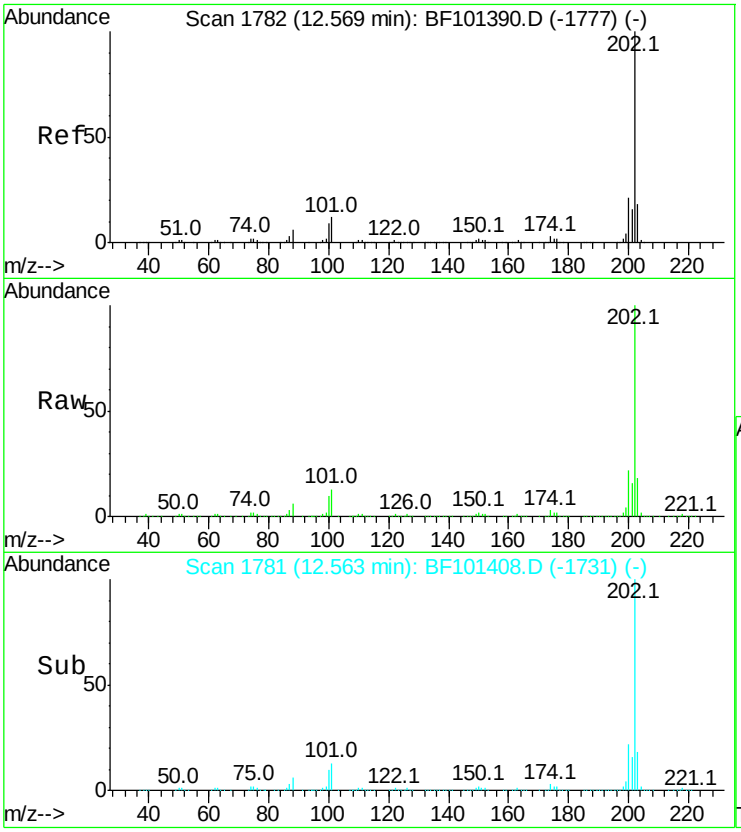




#72
Carbazole
Concen: 6.477 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion:167 Resp: 206690

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 167 | 100 | | |
| 166 | 21.5 | 17.6 | 26.4 |
| 139 | 13.1 | 10.9 | 16.3 |



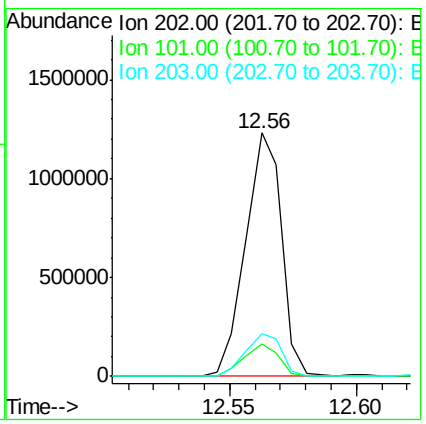


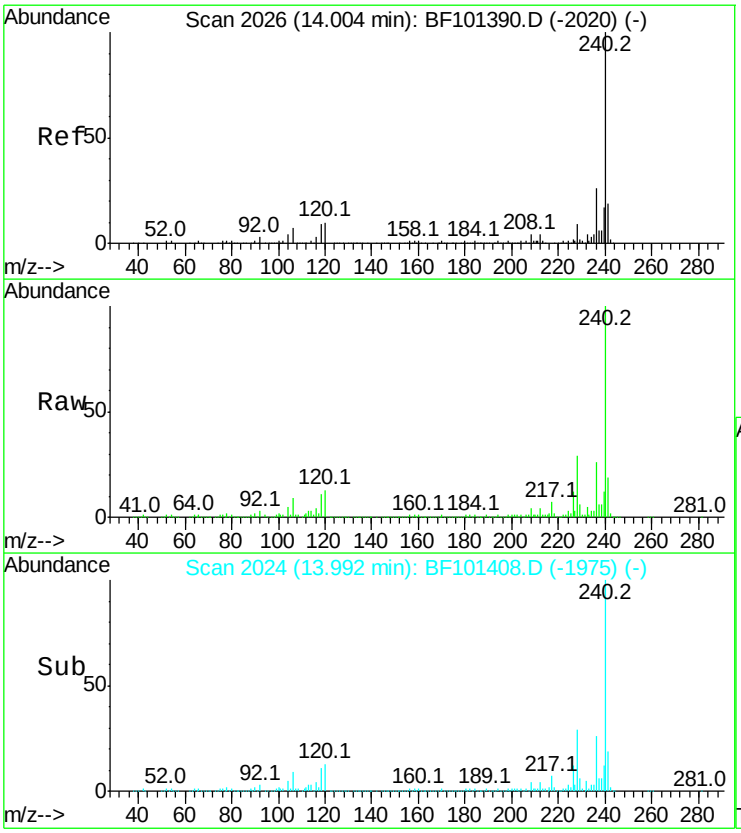

#74
Fluoranthene
Concen: 34.737 ng
RT: 12.56 min Scan# 1781
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

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

Tgt Ion:202 Resp: 1216671

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 101 | 13.4 | 0.0 | 34.1 |
| 203 | 17.7 | 0.0 | 38.1 |

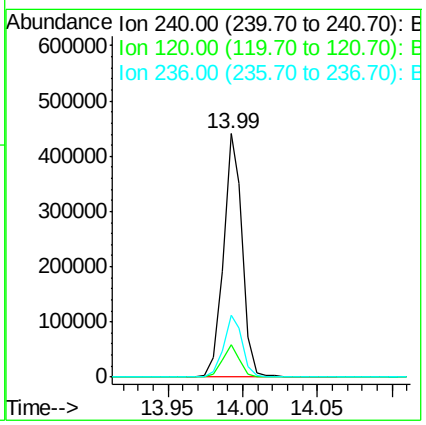


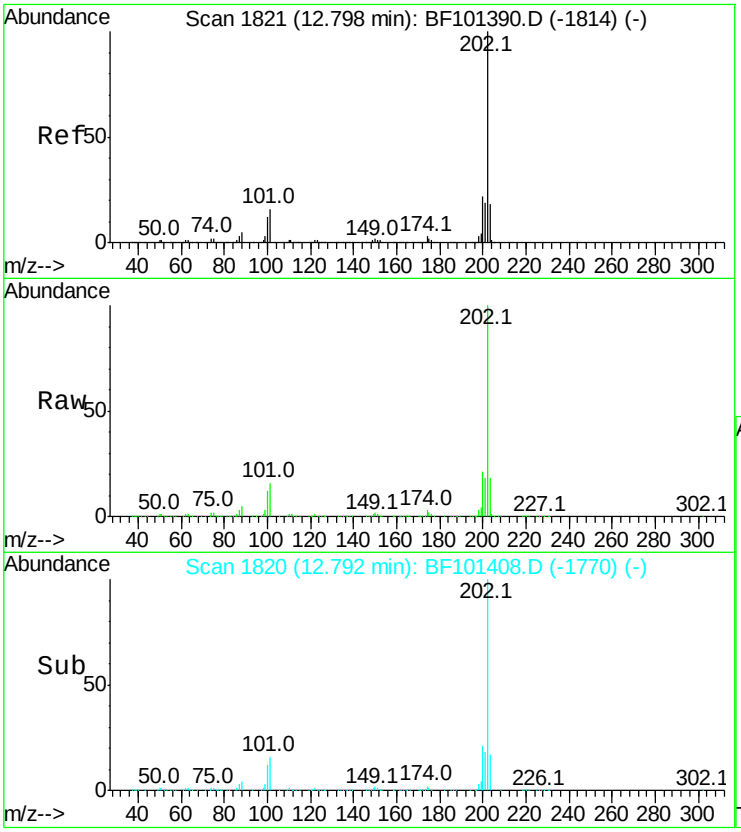




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion:240 Resp: 392661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.5 | 9.5 | 14.3 |
| 236 | 25.5 | 20.7 | 31.1 |



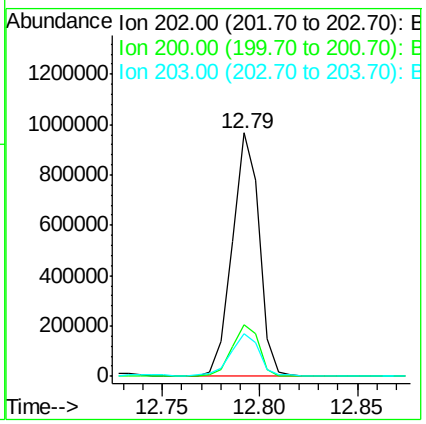


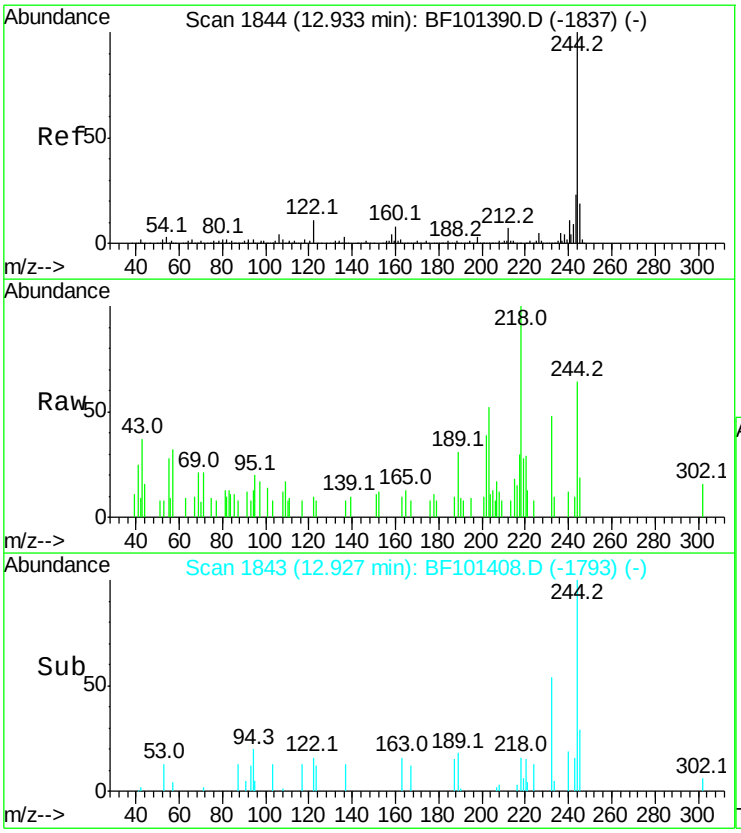

#77
Pyrene
Concen: 31.269 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

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

Tgt Ion:202 Resp: 921464

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 202 | 100 | | |
| 200 | 21.4 | 17.4 | 26.2 |
| 203 | 17.6 | 14.3 | 21.5 |

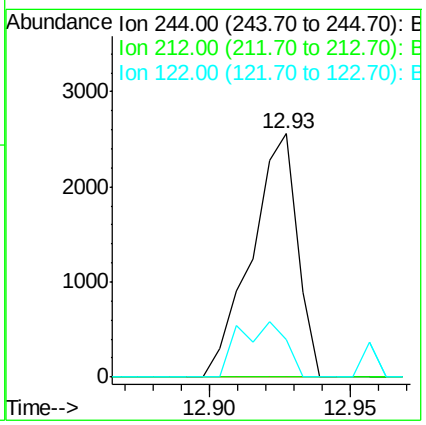


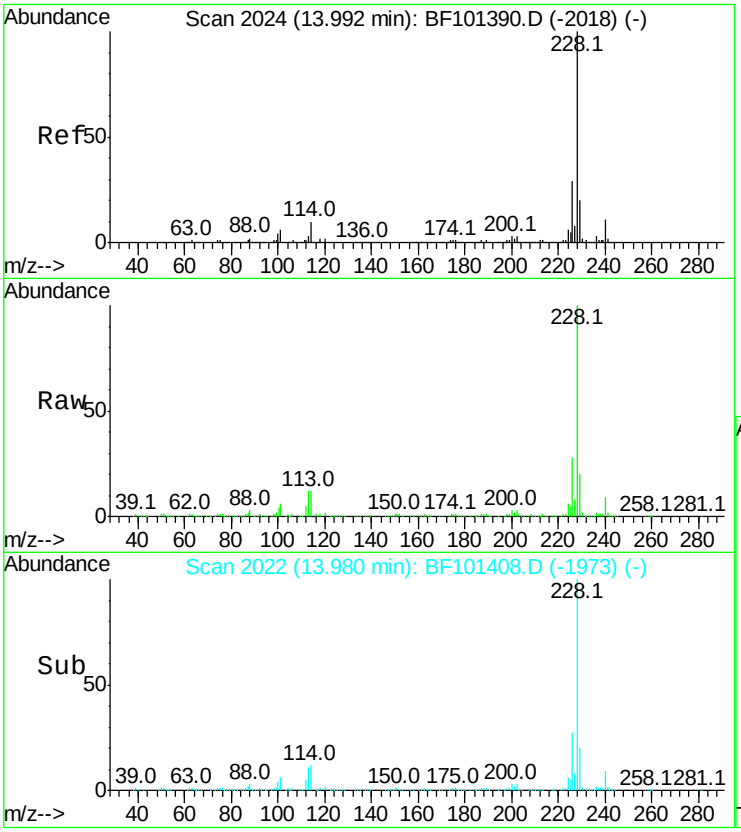




#78
Terphenyl-d14
Concen: 0.177 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion:244 Resp: 2885

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 0.0 | 5.4 | 8.0# |
| 122 | 15.5 | 11.0 | 16.4 |



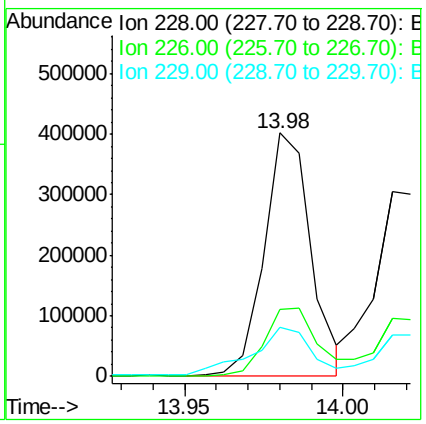


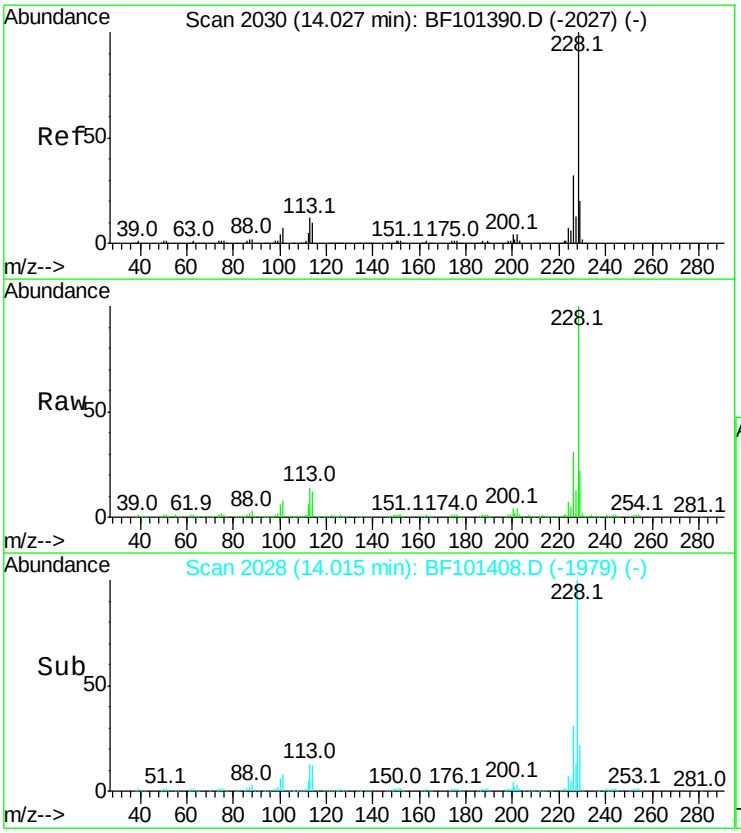

#80
Benzo(a)anthracene
Concen: 15.850 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

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

Tgt Ion:228 Resp: 410962

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 27.6 | 22.6 | 33.8 |
| 229 | 20.2 | 15.8 | 23.6 |

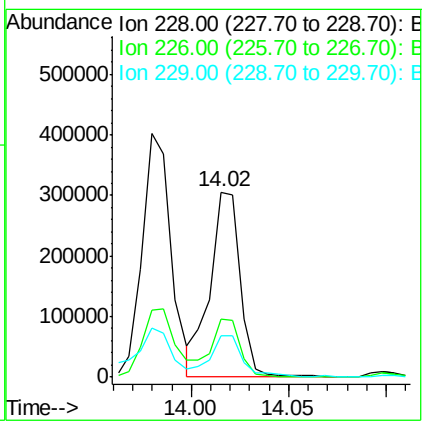


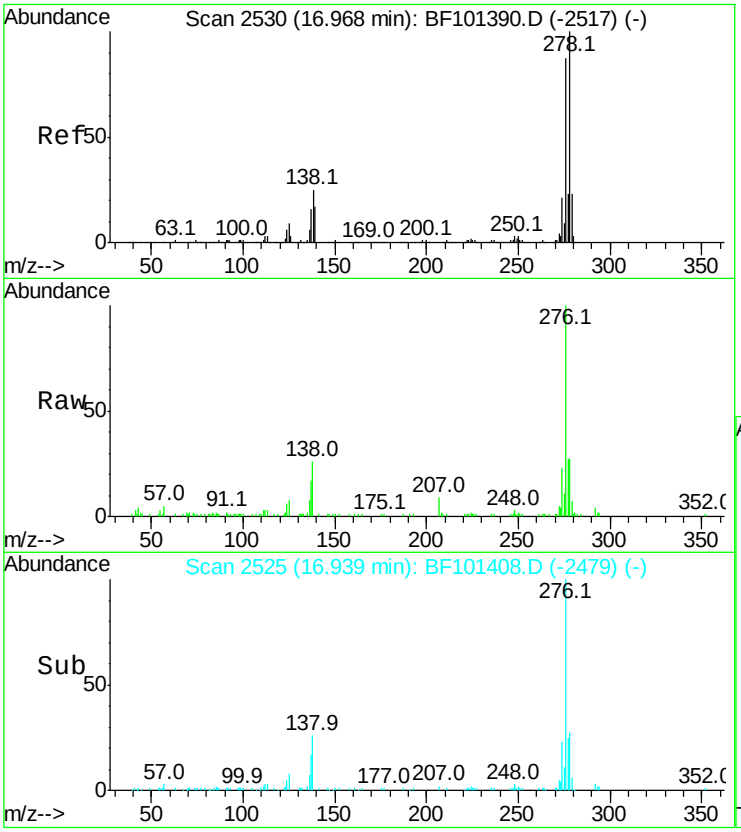




#82
Chrysene
Concen: 13.341 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion:228 Resp: 326595

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 228 | 100 | | |
| 226 | 31.3 | 25.0 | 37.6 |
| 229 | 22.2 | 16.2 | 24.4 |



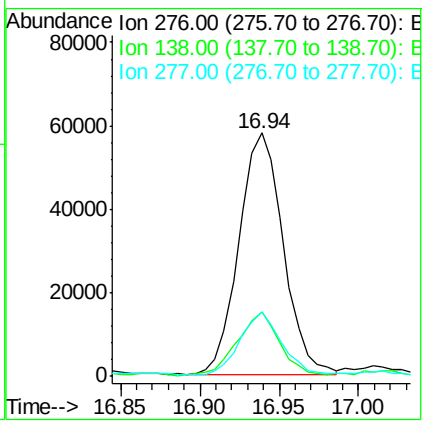


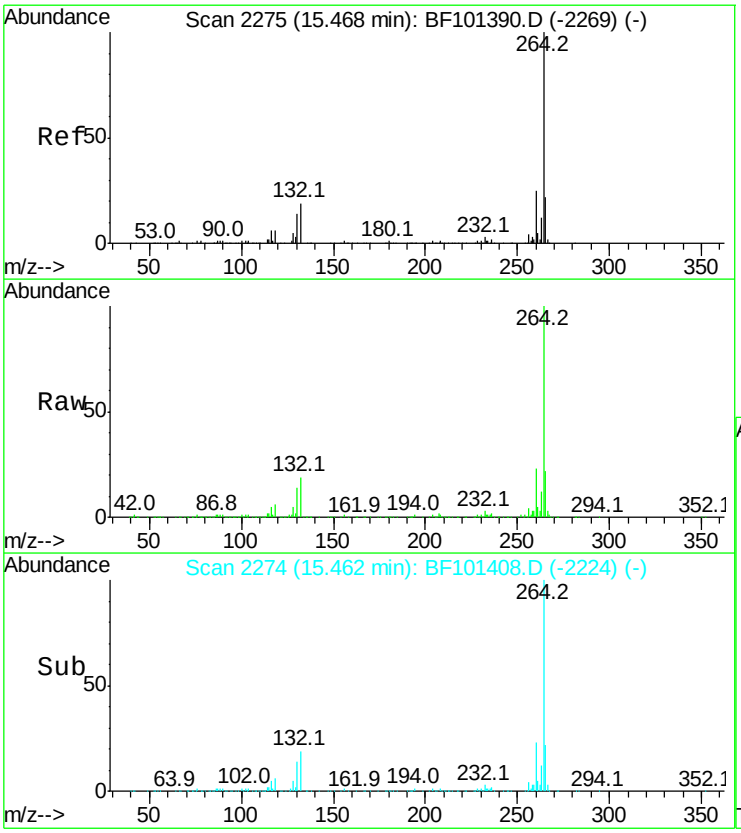

#85
Indeno(1,2,3-cd)pyrene
Concen: 5.146 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.03 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

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

Tgt Ion:276 Resp: 112187

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 138 | 26.2 | 25.0 | 37.6 |
| 277 | 24.1 | 20.1 | 30.1 |

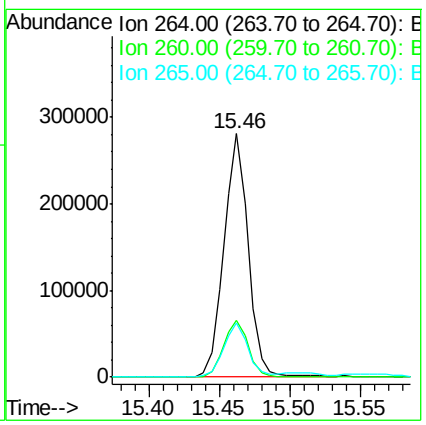


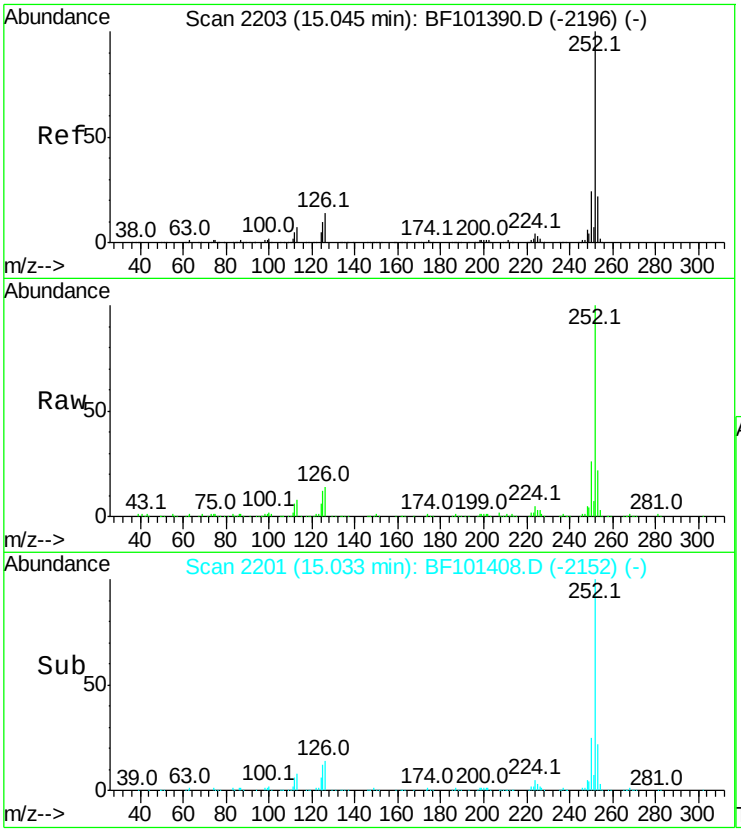




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion:264 Resp: 335368

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.3 | 19.2 | 28.8 |
| 265 | 22.0 | 17.5 | 26.3 |



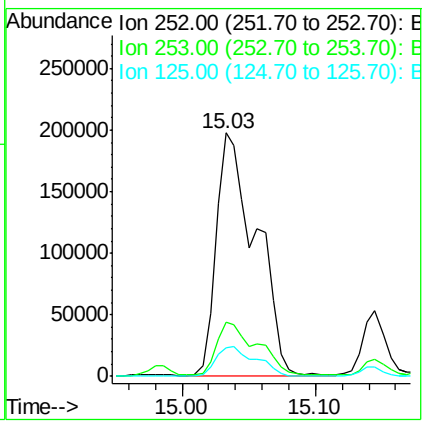


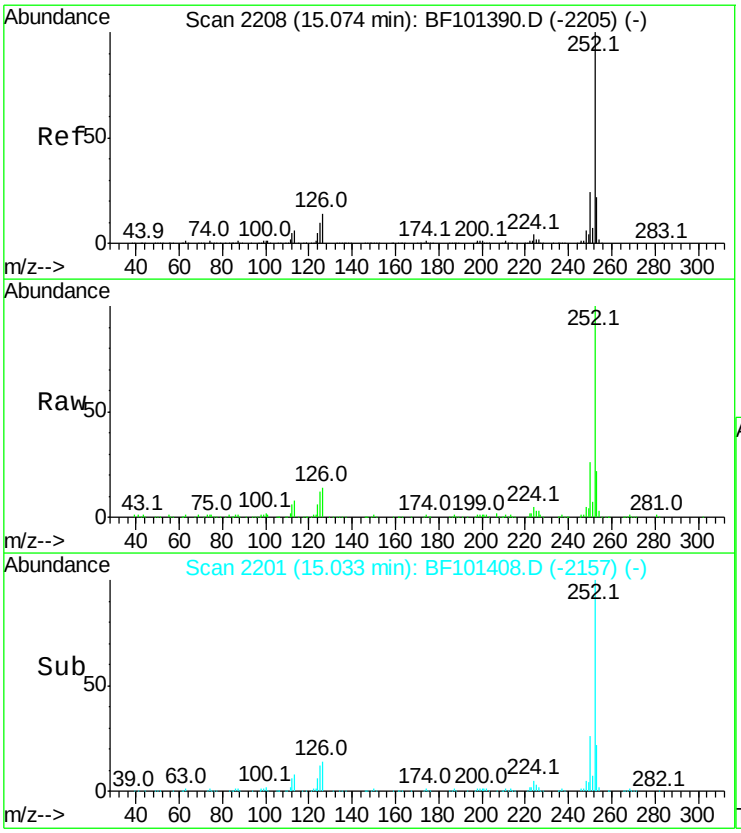

#87
Benzo(b)fluoranthene
Concen: 20.010 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

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

Tgt Ion:252 Resp: 409040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.0 | 25.6 |
| 125 | 11.9 | 9.0 | 13.6 |

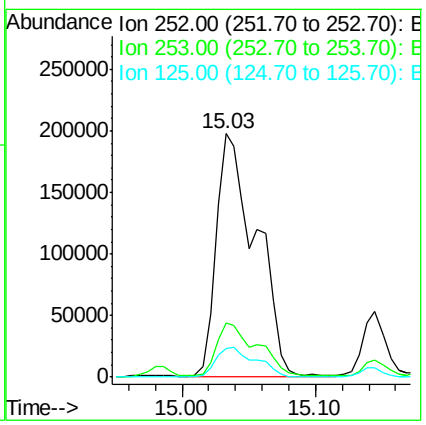


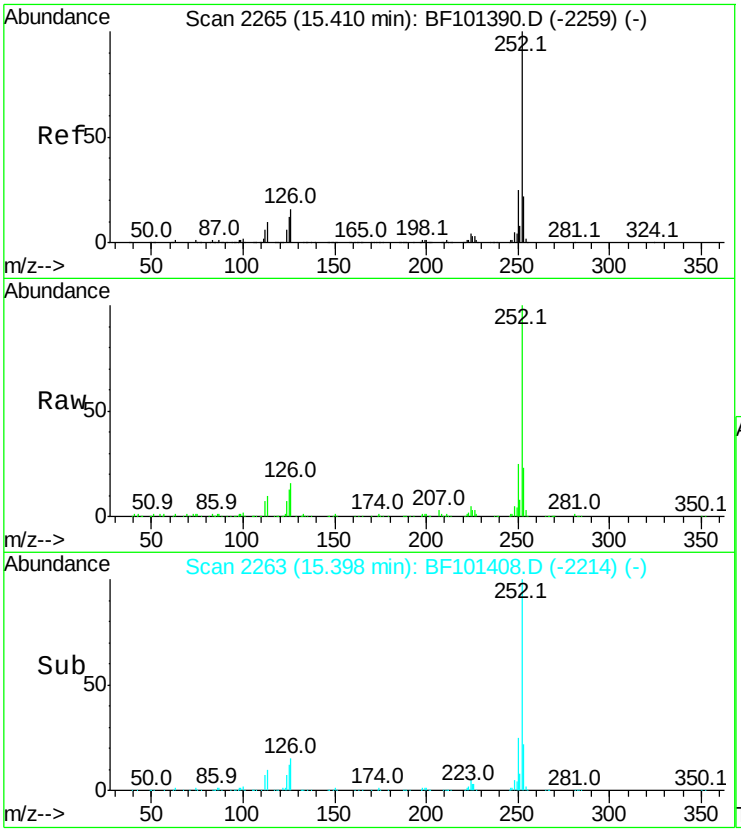




#88
Benzo(k)fluoranthene
Concen: 20.581 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion:252 Resp: 409040

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.3 | 17.9 | 26.9 |
| 125 | 11.9 | 10.2 | 15.2 |



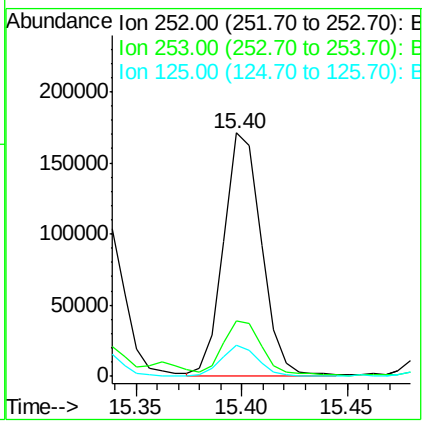


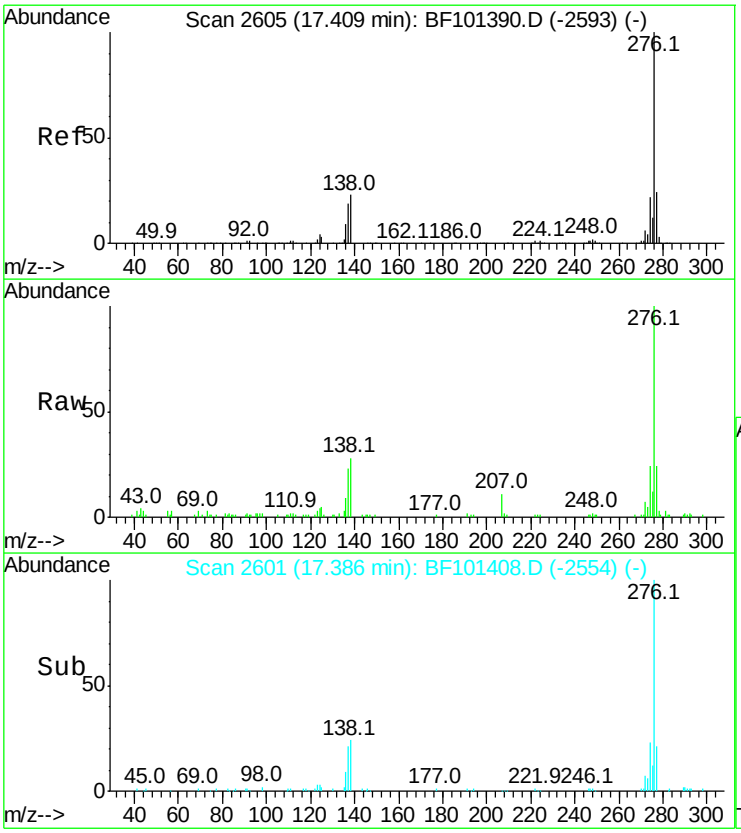

#89
Benzo(a)pyrene
Concen: 11.175 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

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

Tgt Ion:252 Resp: 210581

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 252 | 100 | | |
| 253 | 22.7 | 17.1 | 25.7 |
| 125 | 12.7 | 9.8 | 14.6 |




#91
Benzo(g,h,i)perylene
Concen: 5.674 ng
RT: 17.39 min Scan# 2601
Delta R.T. -0.02 min
Lab File: BF101408.D
Acq: 14 Dec 2017 22:04

Tgt Ion:276 Resp: 90898

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 276 | 100 | | |
| 277 | 24.2 | 17.9 | 26.9 |
| 138 | 27.6 | 21.8 | 32.8 |