Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
Data File : BF103584.D
Acq On : 12 Mar 2018 16:13
Operator : SJ/JU
Sample : J1821-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Mar 13 01:15:57 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 09 11:47:13 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.86 | 152 | 130125 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.14 | 136 | 525469 | 20.00 | ng | | -0.01 |
| 38) Acenaphthene-d10 | 9.90 | 164 | 228317 | 20.00 | ng | | -0.01 |
| 63) Phenanthrene-d10 | 11.39 | 188 | 329939 | 20.00 | ng | | -0.01 |
| 75) Chrysene-d12 | 14.05 | 240 | 206651 | 20.00 | ng | | -0.01 |
| 86) Perylene-d12 | 15.56 | 264 | 210832 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.49 | 112 | 556683 | 64.70 | ng | | 0.00 |
| 7) Phenol-d6 | 6.51 | 99 | 424582 | 40.33 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 988621 | 107.44 | ng | | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.70 | 330 | 231661 | 119.87 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.22 | 172 | 1370814 | 111.25 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.98 | 244 | 876900 | 102.01 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 25) Isophorone | 7.43 | 82 | 988621 | 54.554 | ng | # | 64 |
| 31) Naphthalene | 8.16 | 128 | 1709077 | 66.434 | ng | | 99 |
| 32) Benzoic acid | 7.95 | 122 | 11310 | 8.704 | ng | # | 75 |
| 33) 4-Chloroaniline | 8.16 | 127 | 232373 | 20.932 | ng | # | 34 |
| 37) 2-Methylnaphthalene | 8.86 | 142 | 144593 | 8.697 | ng | | 100 |
| 50) 2,6-Dinitrotoluene | 9.90 | 165 | 30284 | 7.879 | ng | # | 26 |
| 54) Dibenzofuran | 10.11 | 168 | 39489 | 2.118 | ng | | 95 |
| 55) 4-Nitrophenol | 10.11 | 139 | 17305 | 5.726 | ng | # | 18 |
| 56) 2,4-Dinitrotoluene | 9.90 | 165 | 30423 | 6.258 | ng | # | 24 |
| 64) 4,6-Dinitro-2-methylphenol | 10.70 | 198 | 558 | 5.195 | ng | # | 1 |
| 66) 4-Bromophenyl-phenylether | 10.70 | 248 | 15797 | 4.596 | ng | # | 1 |
| 70) Phenanthrene | 11.42 | 178 | 49125 | 2.705 | ng | | 97 |
| 71) Anthracene | 11.42 | 178 | 49125 | 2.638 | ng | | 98 |

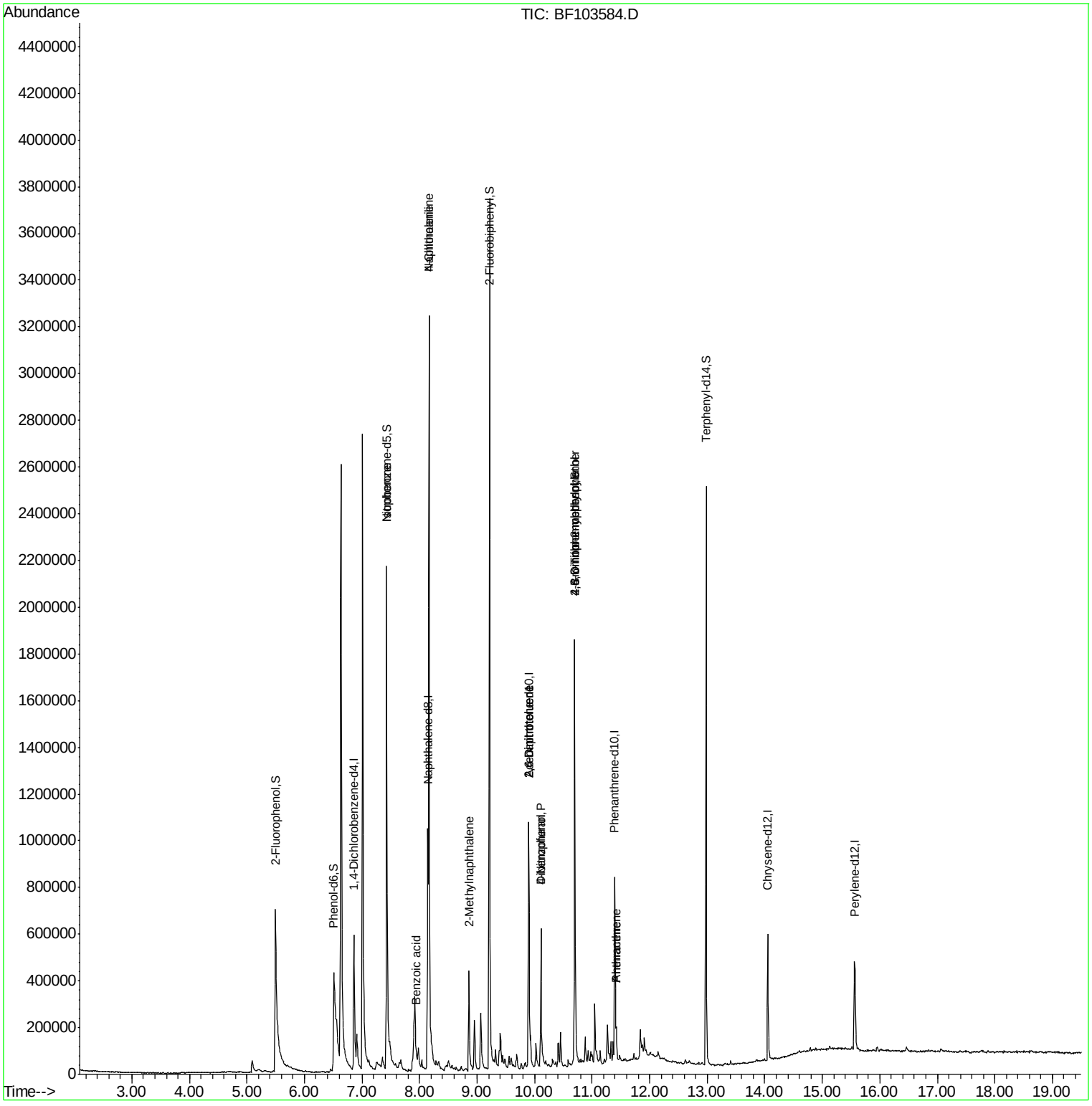
(#) = qualifier out of range (m) = manual integration (+) = signals summed

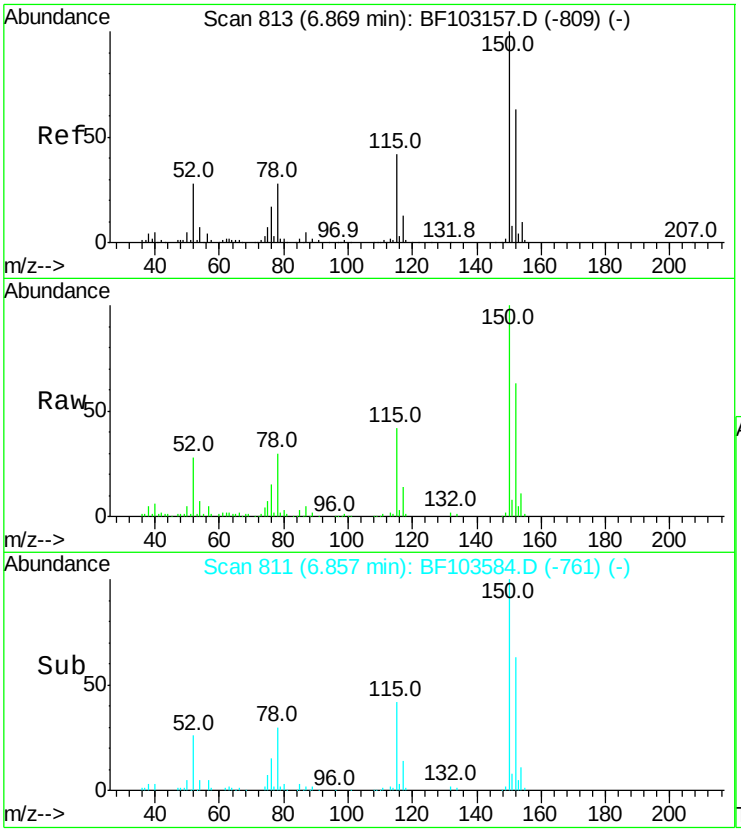
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031218\
Data File : BF103584.D
Acq On : 12 Mar 2018 16:13
Operator : SJ/JU
Sample : J1821-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Mar 13 01:15:57 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 09 11:47:13 2018
Response via : Initial Calibration



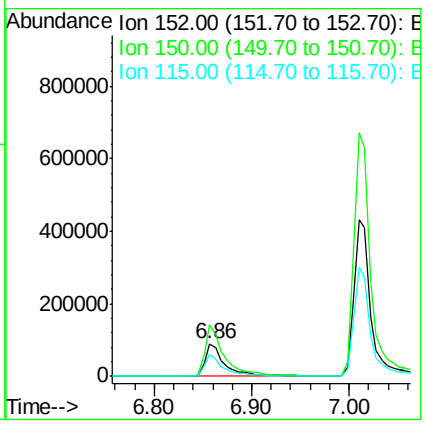


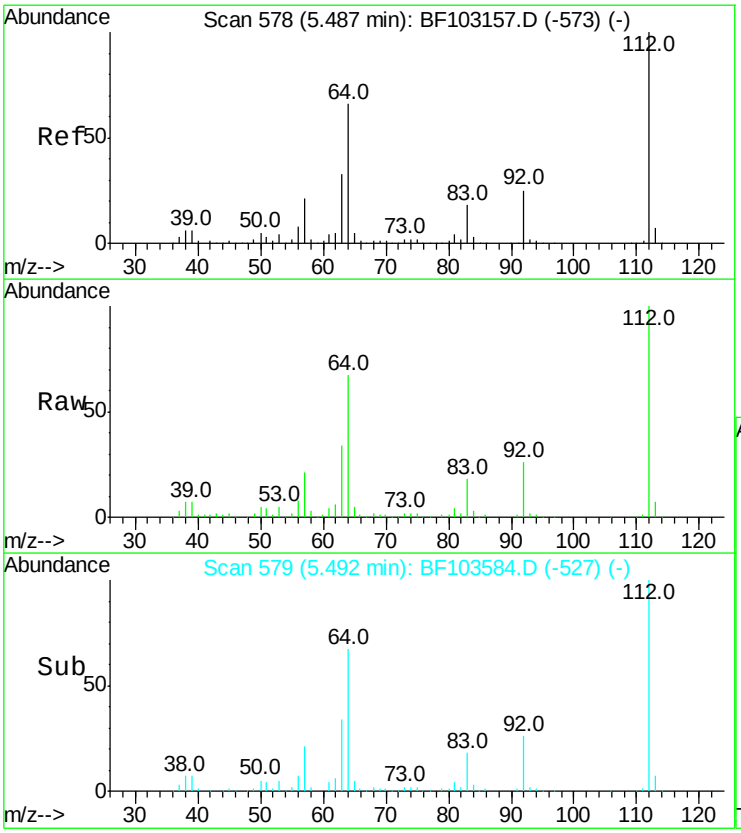

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

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

Tgt Ion:152 Resp: 130125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.1 | 124.6 | 186.8 |
| 115 | 67.1 | 50.1 | 75.1 |

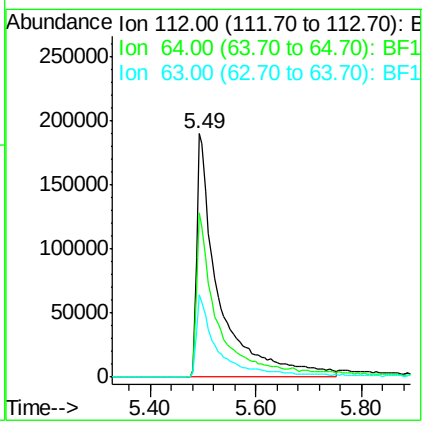


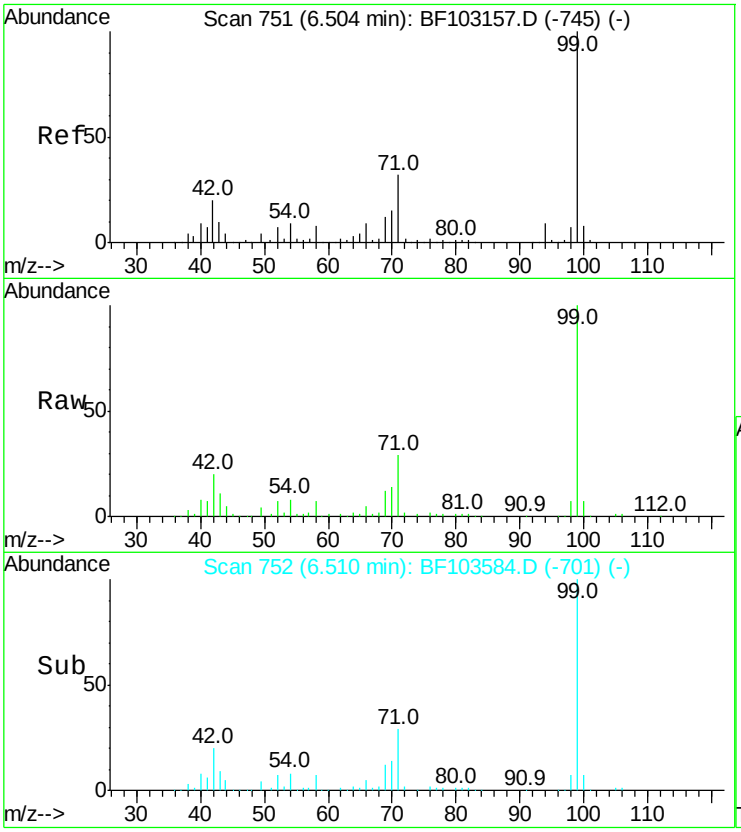




#5
2-Fluorophenol
Concen: 64.703 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Tgt Ion:112 Resp: 556683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 67.4 | 47.9 | 71.9 |
| 63 | 33.7 | 23.7 | 35.5 |



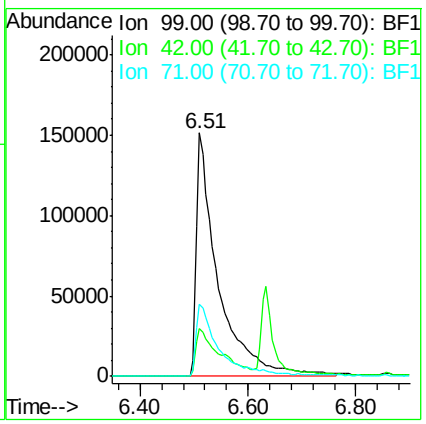


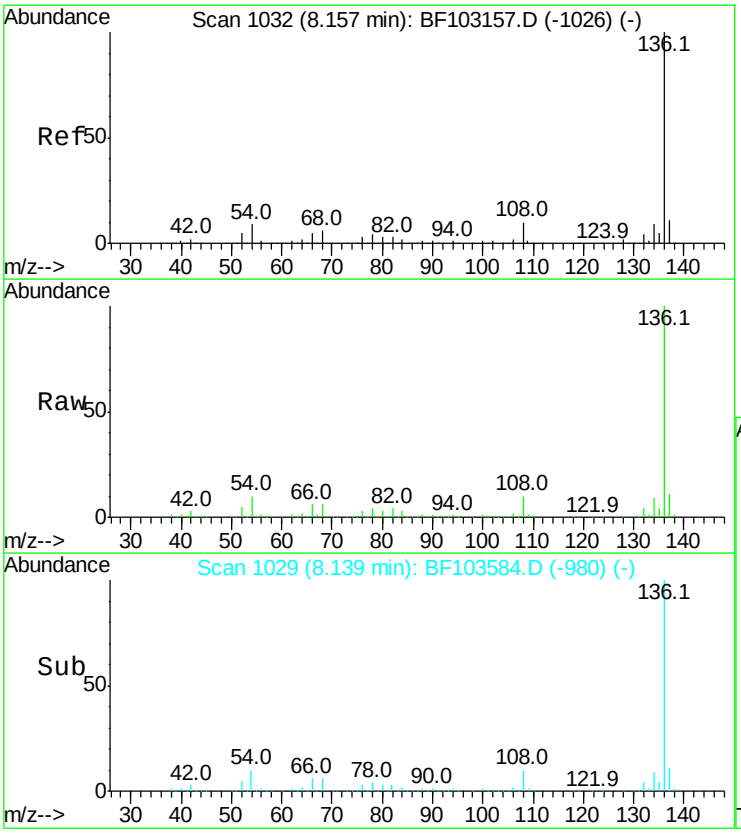

#7
Phenol-d6
Concen: 40.329 ng
RT: 6.51 min Scan# 752
Delta R.T. -0.00 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

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

Tgt Ion: 99 Resp: 424582

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 19.8 | 14.5 | 21.7 |
| 71 | 29.4 | 25.4 | 38.0 |

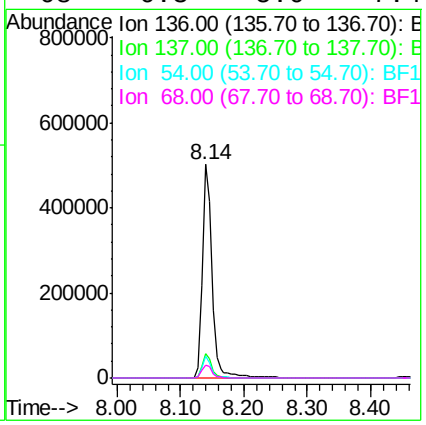


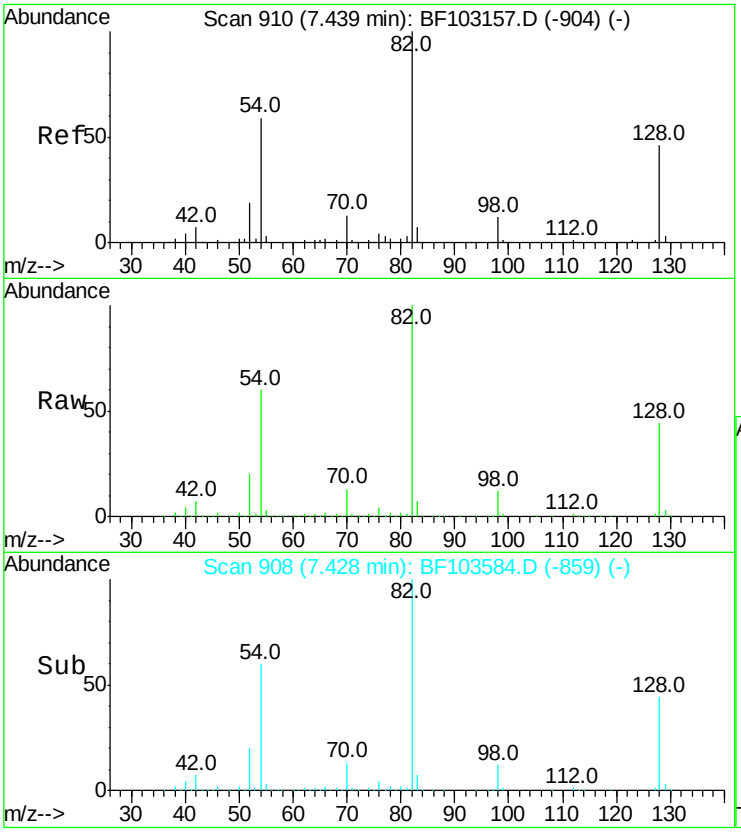




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Tgt Ion:136 Resp: 525469

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.1 | 8.9 | 13.3 |
| 54 | 10.3 | 6.6 | 9.8# |
| 68 | 6.3 | 5.0 | 7.4 |



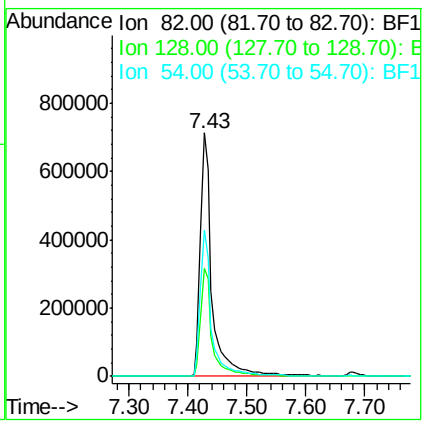


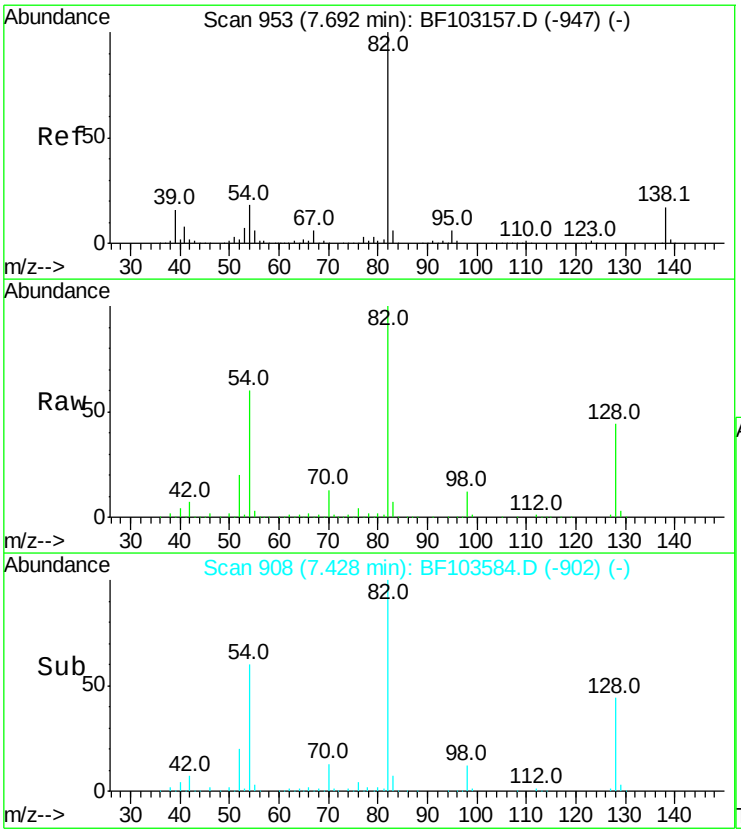

#23
Nitrobenzene-d5
Concen: 107.444 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

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

Tgt Ion: 82 Resp: 988621

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.1 | 36.1 | 54.1 |
| 54 | 60.2 | 41.4 | 62.2 |

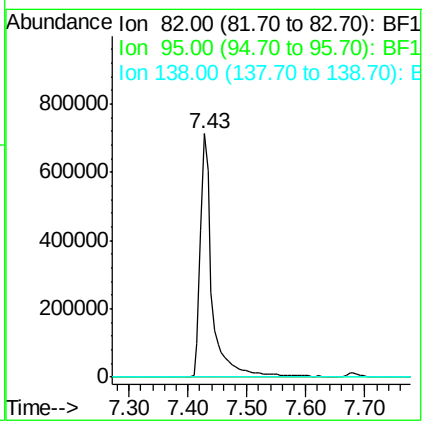


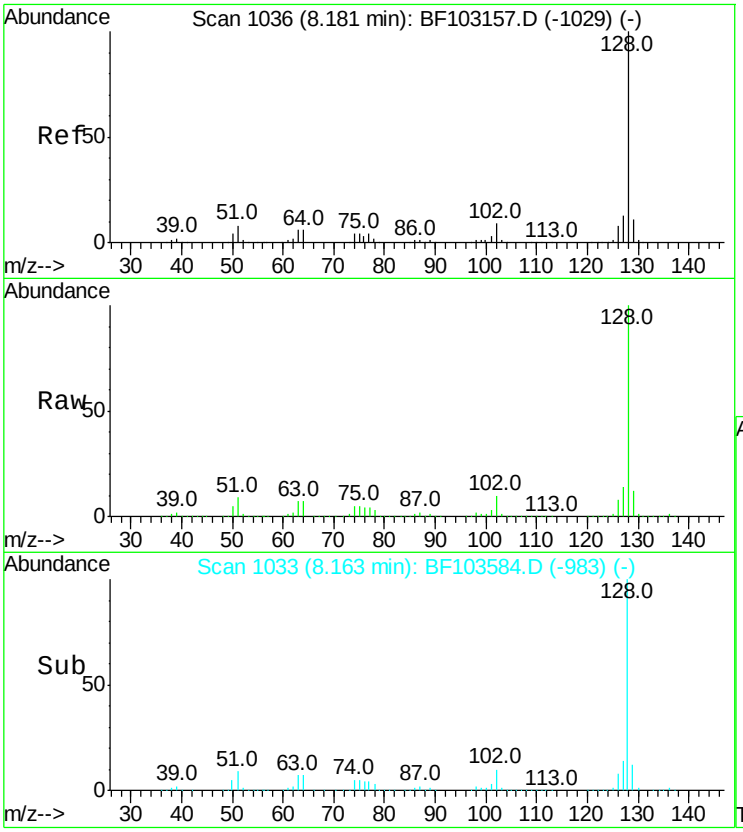




#25
Isophorone
Concen: 54.554 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.26 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Tgt Ion: 82 Resp: 988621

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



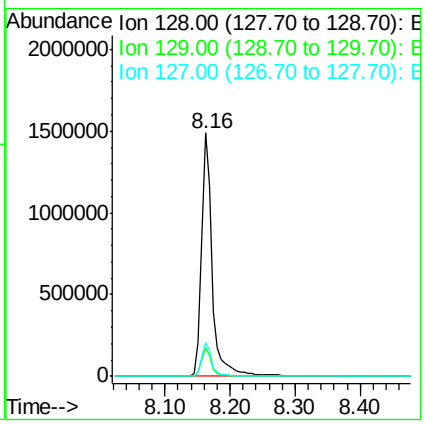


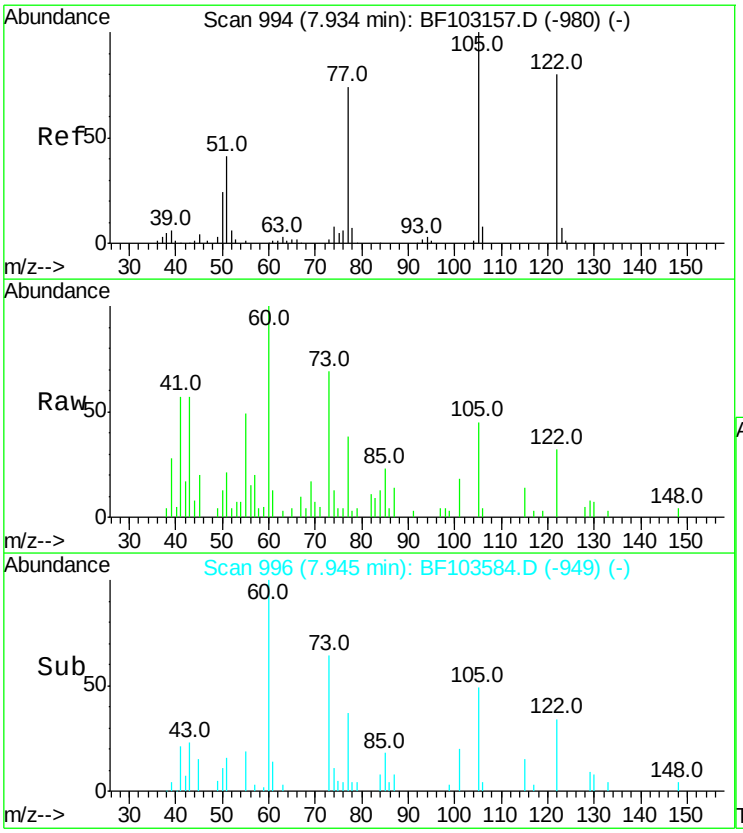

#31
Naphthalene
Concen: 66.434 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

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

Tgt Ion:128 Resp: 1709077

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.6 | 8.8 | 13.2 |
| 127 | 14.1 | 10.9 | 16.3 |

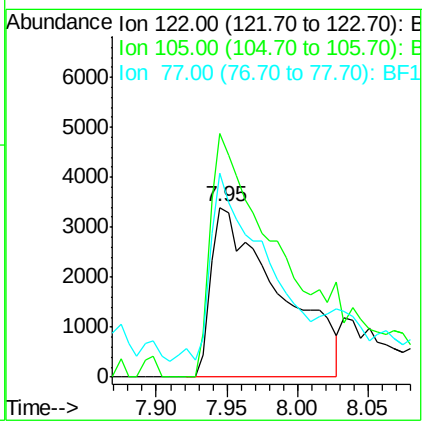


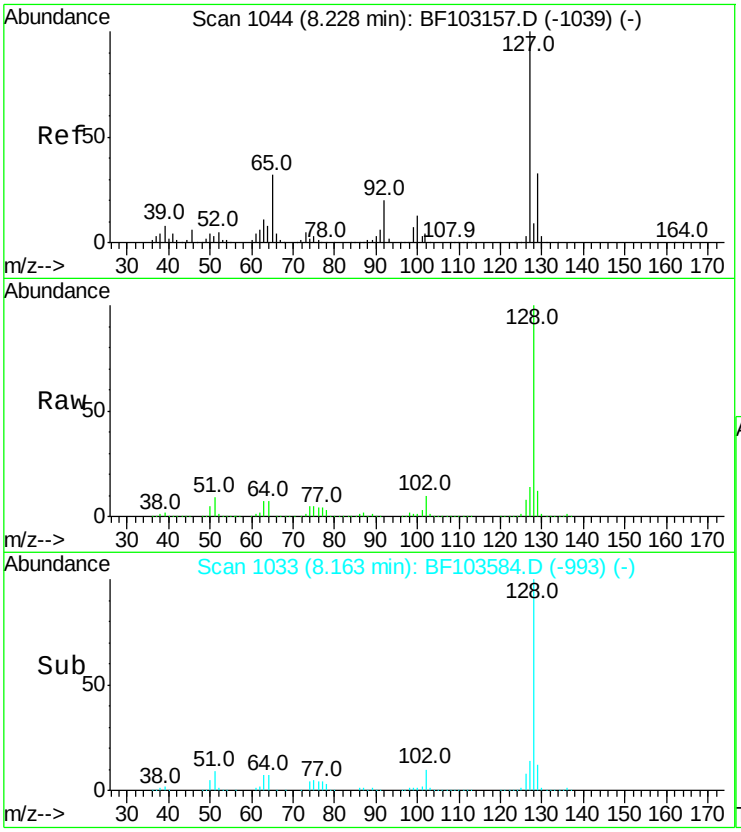




#32
Benzoic acid
Concen: 8.704 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.02 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Tgt Ion:122 Resp: 11310

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 143.2 | 101.1 | 141.1# |
| 77 | 120.3 | 70.7 | 110.7# |



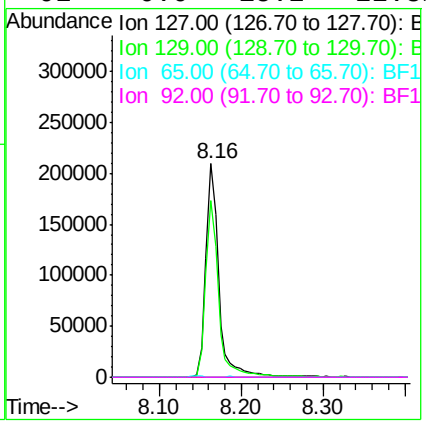


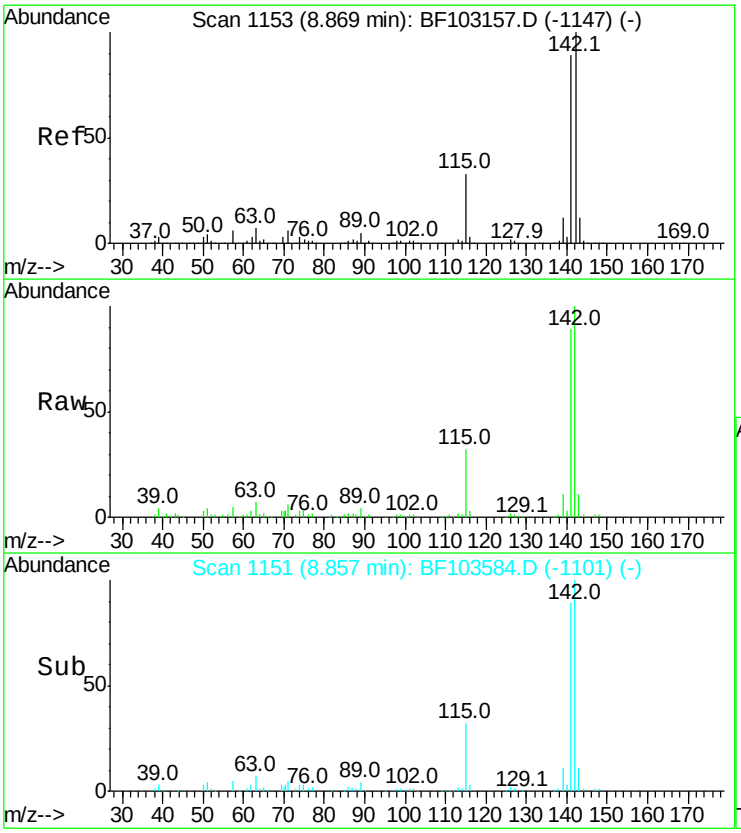

#33
4-Chloroaniline
Concen: 20.932 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.06 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

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

Tgt Ion:127 Resp: 232373

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

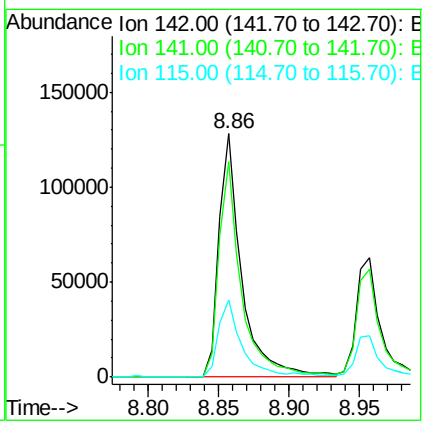


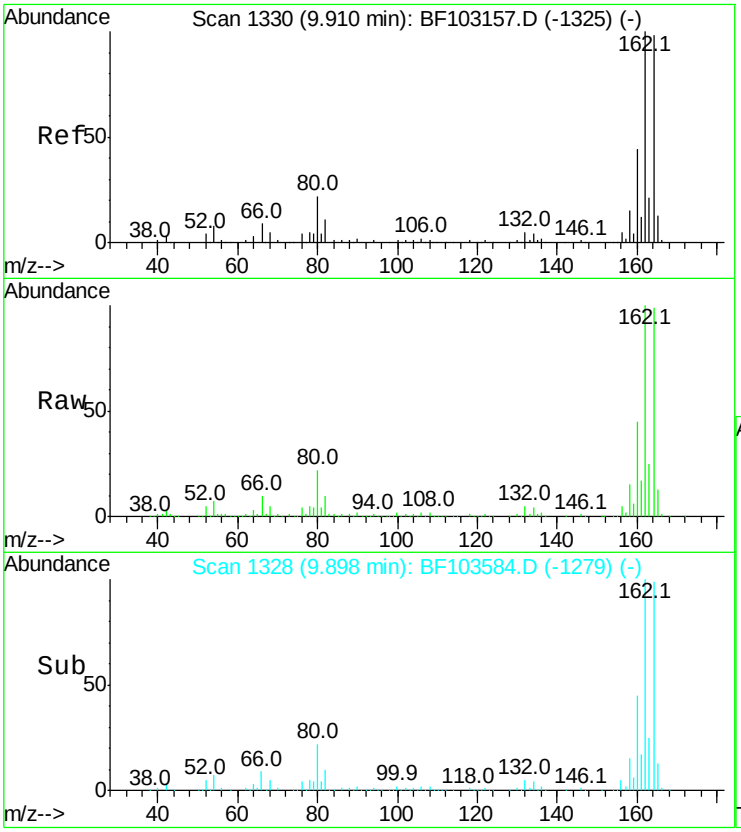




#37
2-Methylnaphthalene
Concen: 8.697 ng
RT: 8.86 min Scan# 1151
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Tgt Ion:142 Resp: 144593

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.5 | 70.8 | 106.2 |
| 115 | 31.9 | 26.1 | 39.1 |



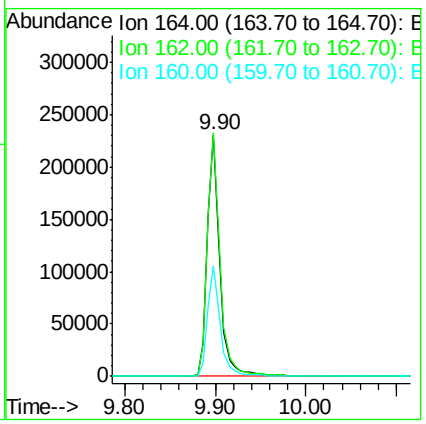


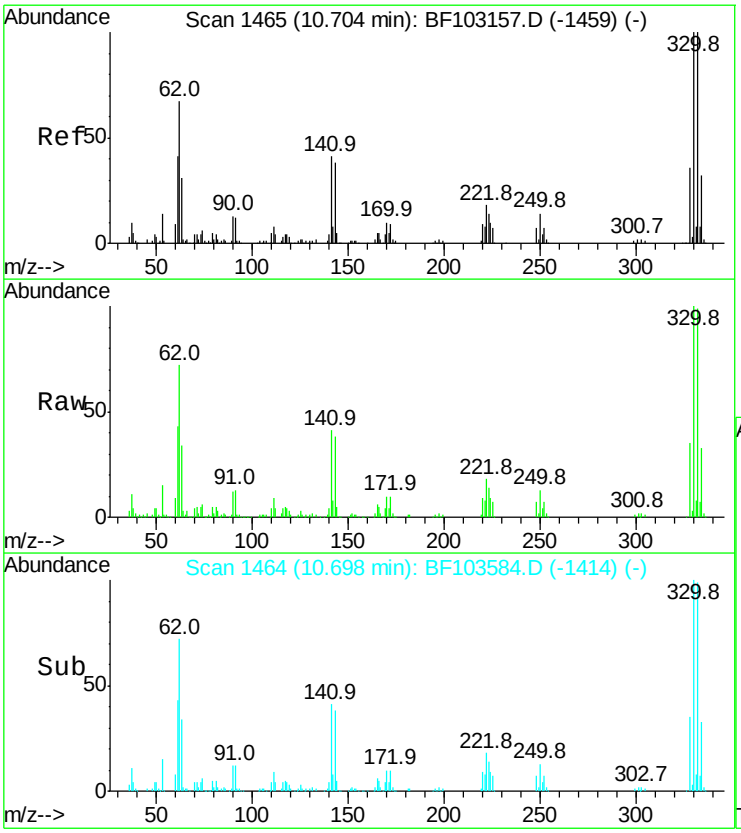

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

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

Tgt Ion:164 Resp: 228317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 101.0 | 86.1 | 129.1 |
| 160 | 45.6 | 38.3 | 57.5 |

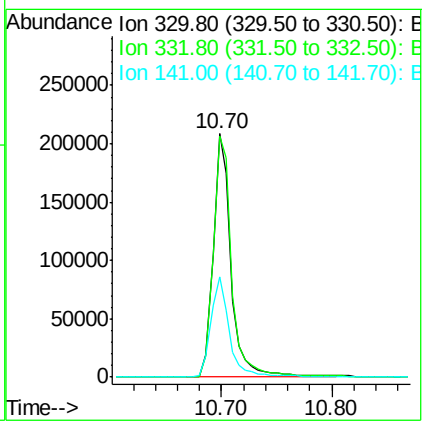


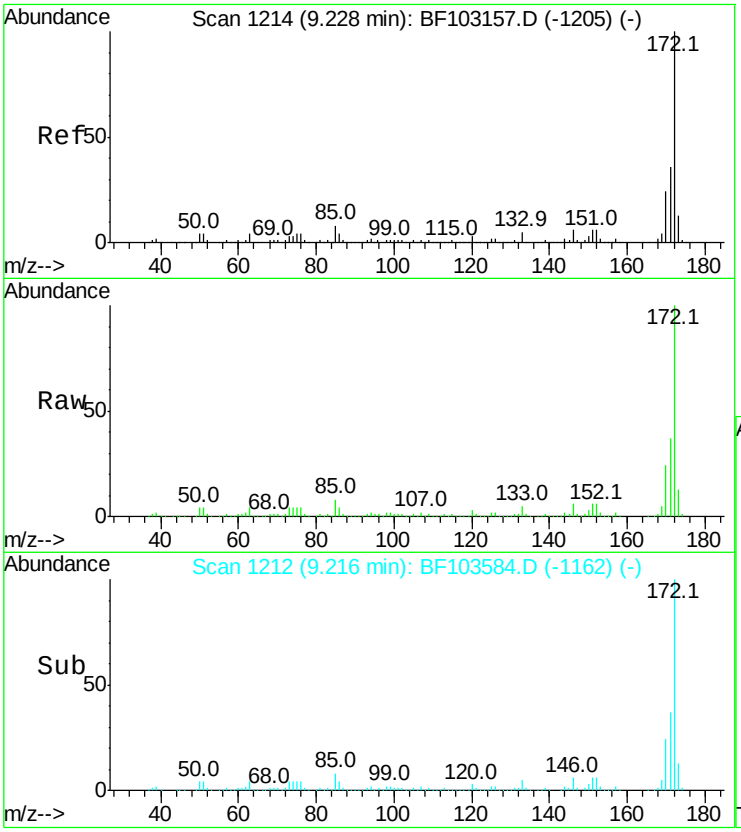




#41
2,4,6-Tribromophenol
Concen: 119.871 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Tgt Ion:330 Resp: 231661

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 102.9 | 77.0 | 115.6 |
| 141 | 43.3 | 29.9 | 44.9 |



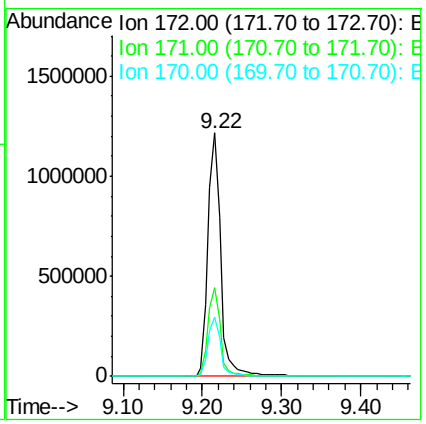


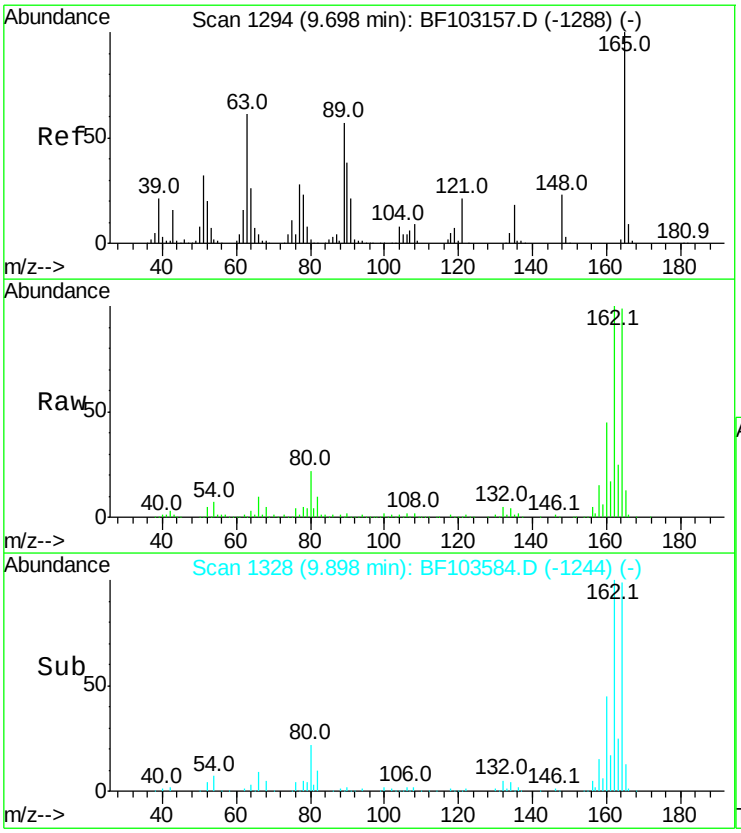

#44
2-Fluorobiphenyl
Concen: 111.253 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

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

Tgt Ion:172 Resp: 1370814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.6 | 29.7 | 44.5 |
| 170 | 24.5 | 19.6 | 29.4 |

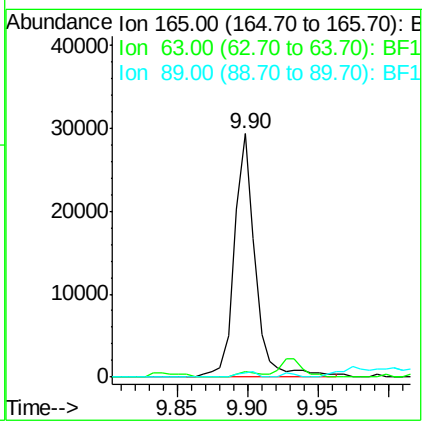


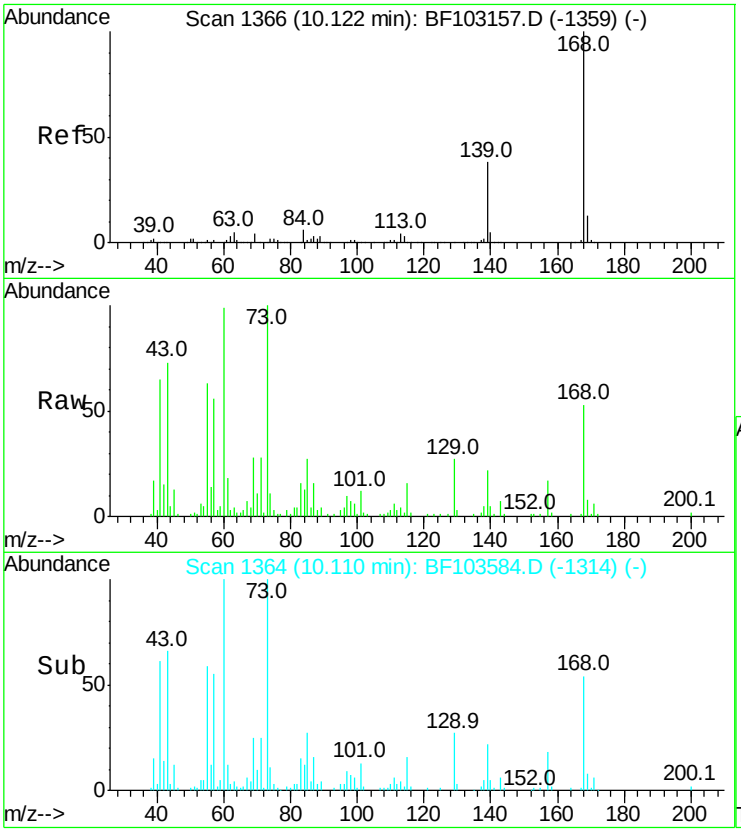




#50
2,6-Dinitrotoluene
Concen: 7.879 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.19 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Tgt Ion:165 Resp: 30284

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.2 | 44.7 | 67.1# |
| 89 | 1.9 | 44.0 | 66.0# |



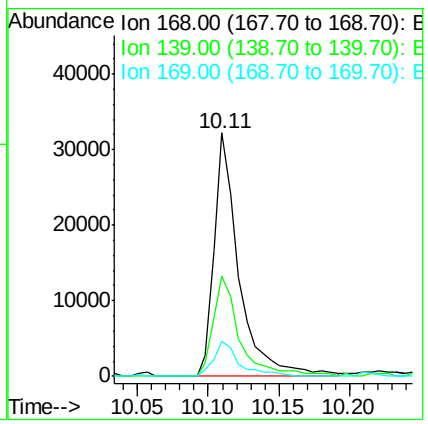


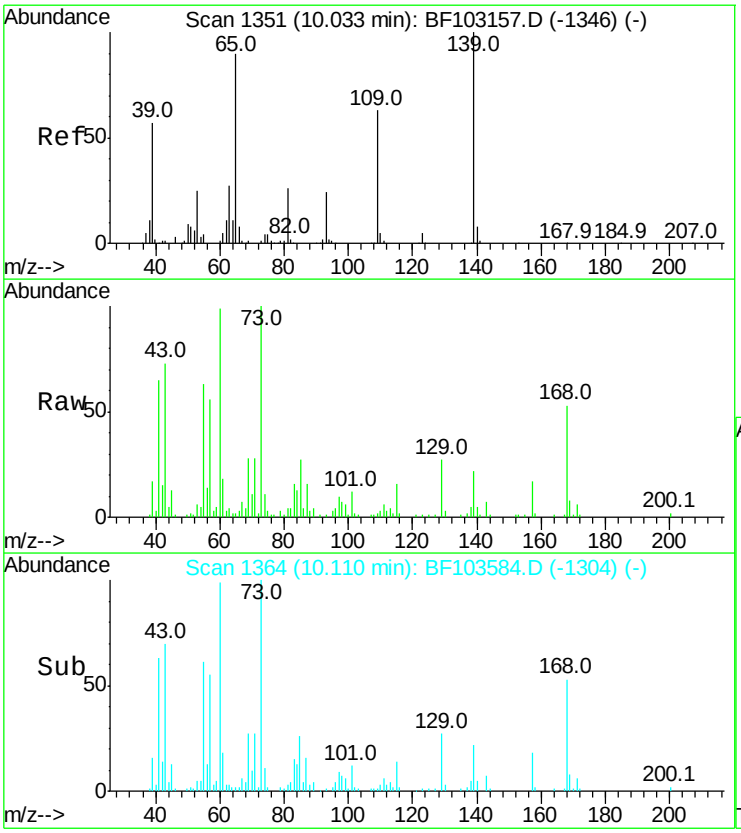

#54
Dibenzofuran
Concen: 2.118 ng
RT: 10.11 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

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

Tgt Ion:168 Resp: 39489

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 139 | 41.1 | 30.1 | 45.1 |
| 169 | 14.2 | 10.9 | 16.3 |

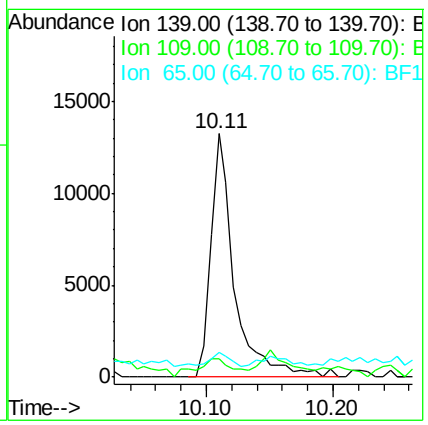


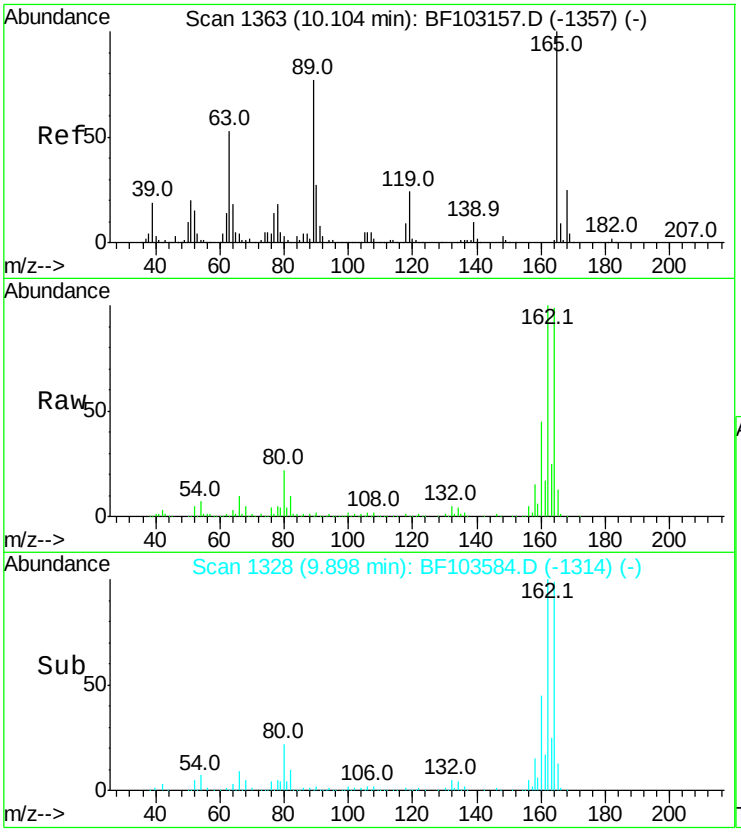




#55
4-Nitrophenol
Concen: 5.726 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.05 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Tgt Ion:139 Resp: 17305

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 7.3 | 48.4 | 88.4# |
| 65 | 10.2 | 72.6 | 112.6# |



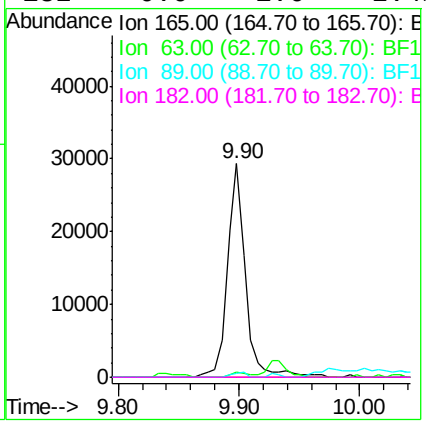


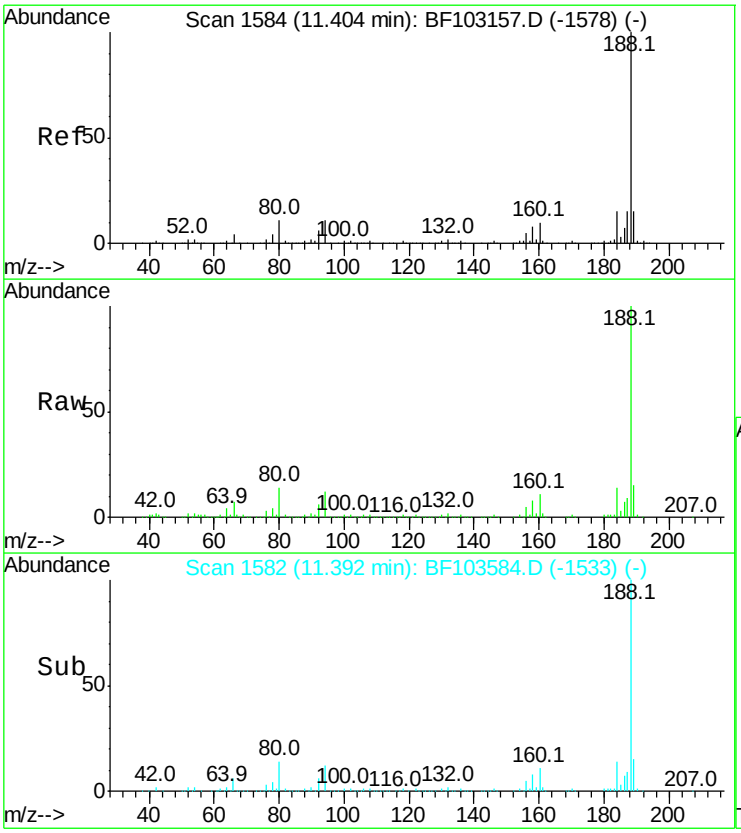

#56
2,4-Dinitrotoluene
Concen: 6.258 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.22 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

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

Tgt Ion:165 Resp: 30423

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 2.2 | 36.4 | 54.6# |
| 89 | 1.9 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |

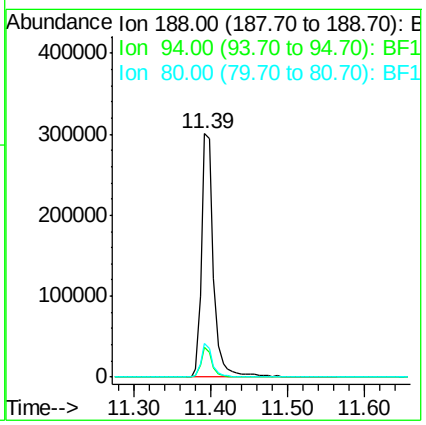


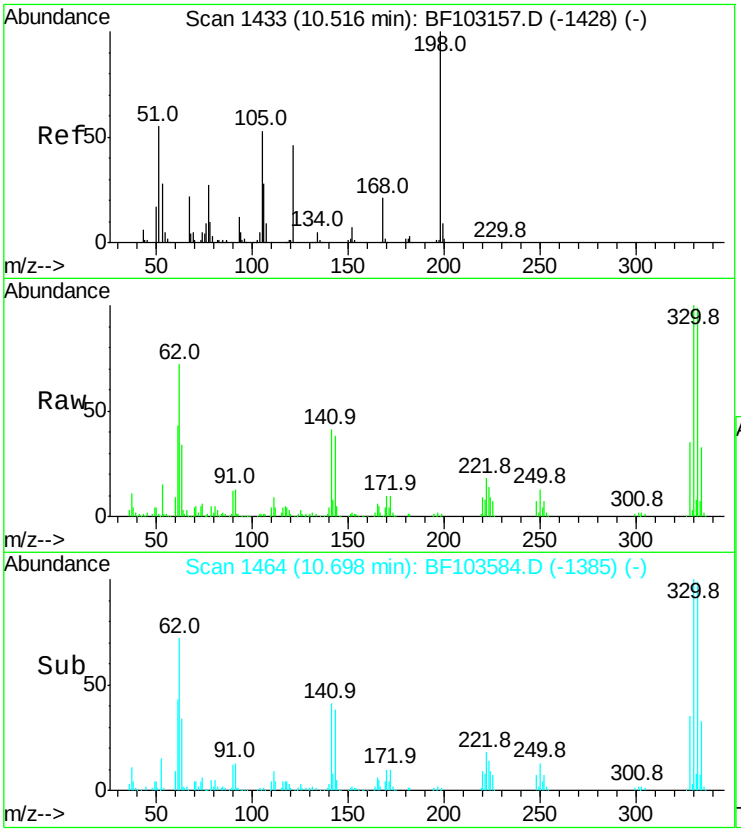




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Tgt Ion:188 Resp: 329939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.0 | 8.5 | 12.7 |
| 80 | 13.8 | 9.2 | 13.8 |



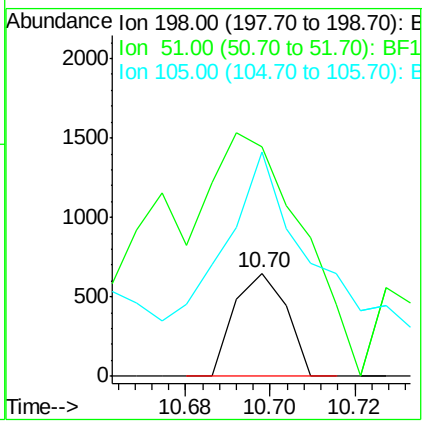


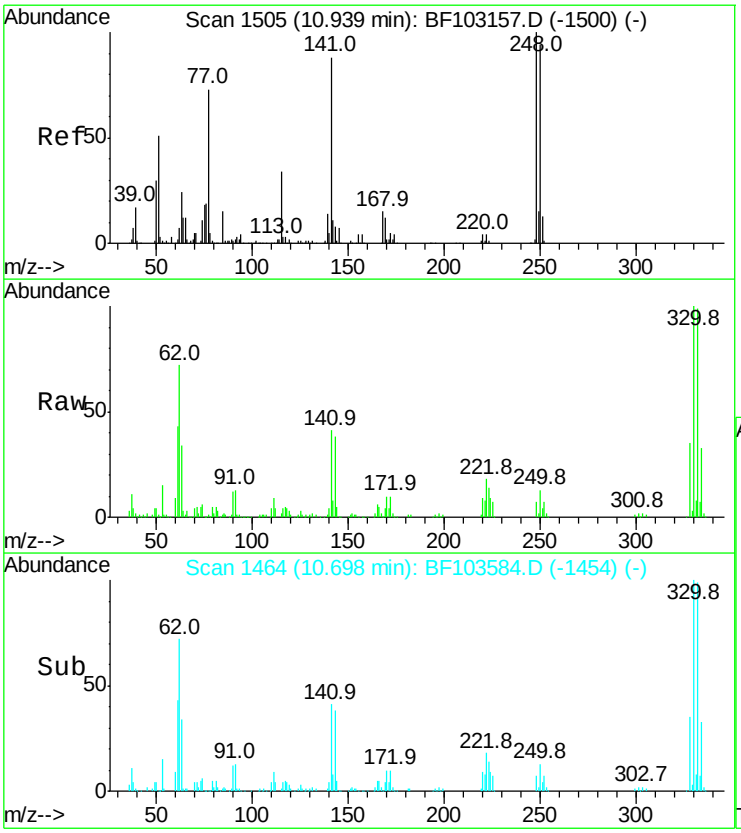

#64
4,6-Dinitro-2-methylphenol
Concen: 5.195 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.16 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

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

Tgt Ion:198 Resp: 558

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 222.2 | 37.7 | 77.7# |
| 105 | 218.0 | 36.3 | 76.3# |

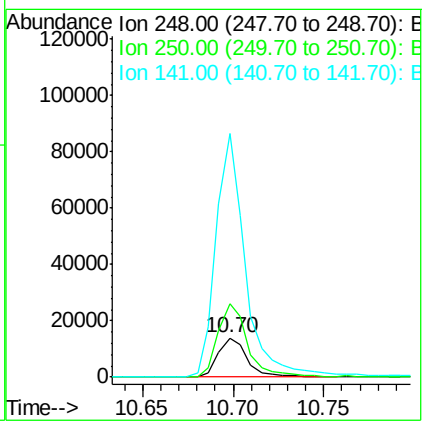


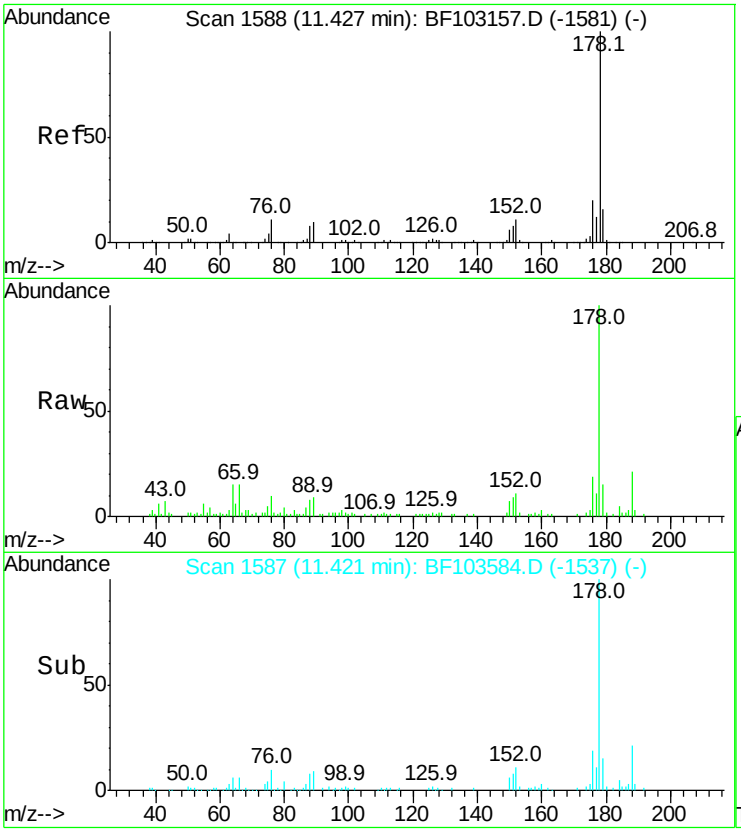




#66
4-Bromophenyl-phenylether
Concen: 4.596 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.24 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Tgt Ion:248 Resp: 15797

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 188.5 | 76.9 | 115.3# |
| 141 | 621.3 | 74.4 | 111.6# |



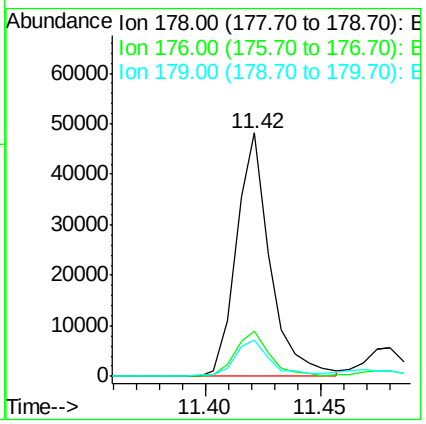


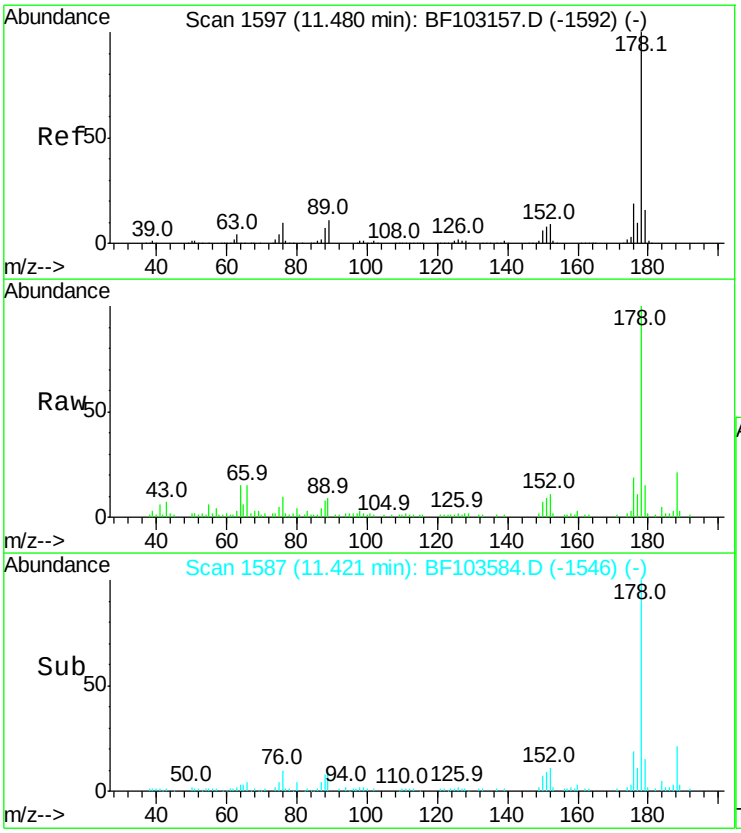

#70
Phenanthrene
Concen: 2.705 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

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

Tgt Ion:178 Resp: 49125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 15.8 | 23.8 |
| 179 | 15.1 | 13.0 | 19.6 |

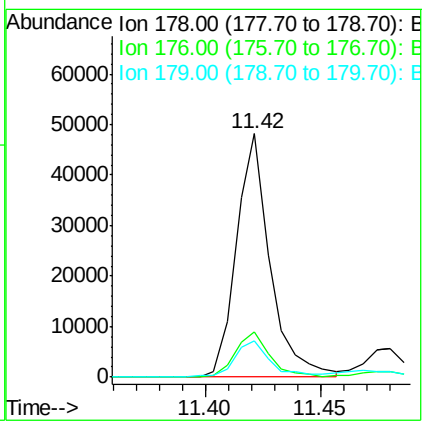


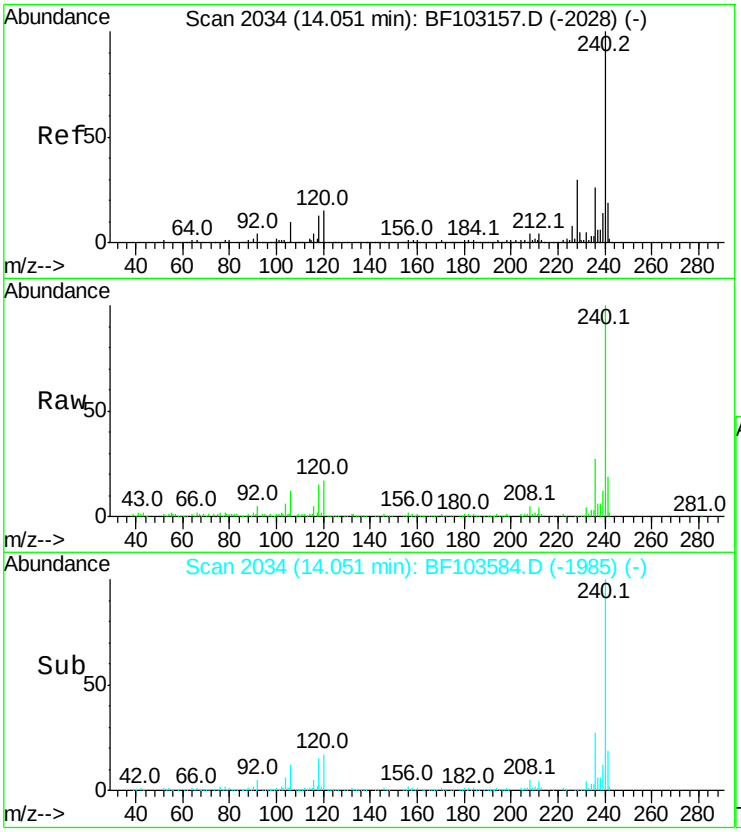




#71
Anthracene
Concen: 2.638 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.06 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Tgt Ion:178 Resp: 49125

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 178 | 100 | | |
| 176 | 18.5 | 15.4 | 23.2 |
| 179 | 15.1 | 12.6 | 19.0 |



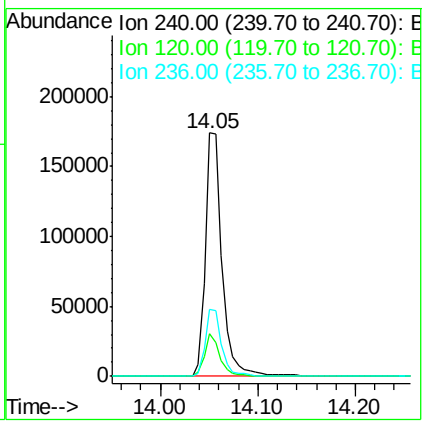


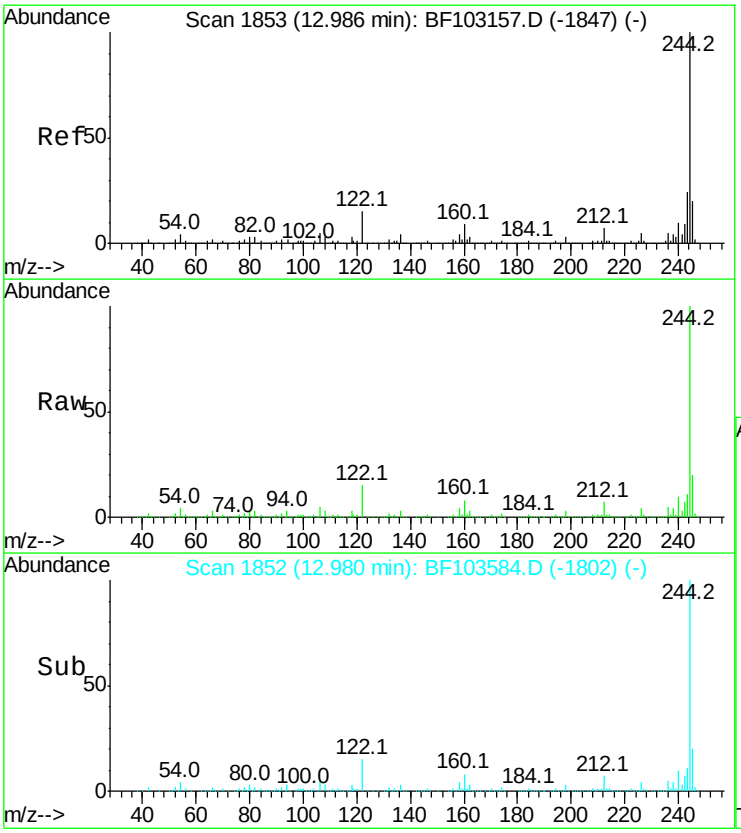

#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

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

Tgt Ion:240 Resp: 206651

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 17.4 | 9.5 | 14.3# |
| 236 | 27.5 | 20.7 | 31.1 |

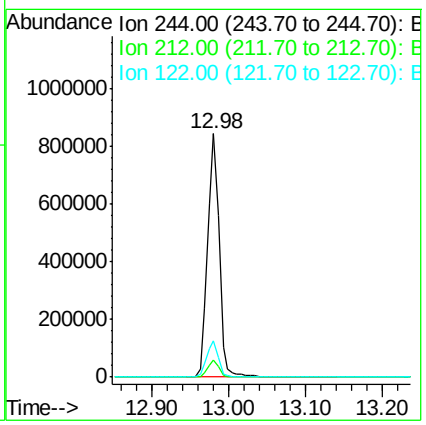


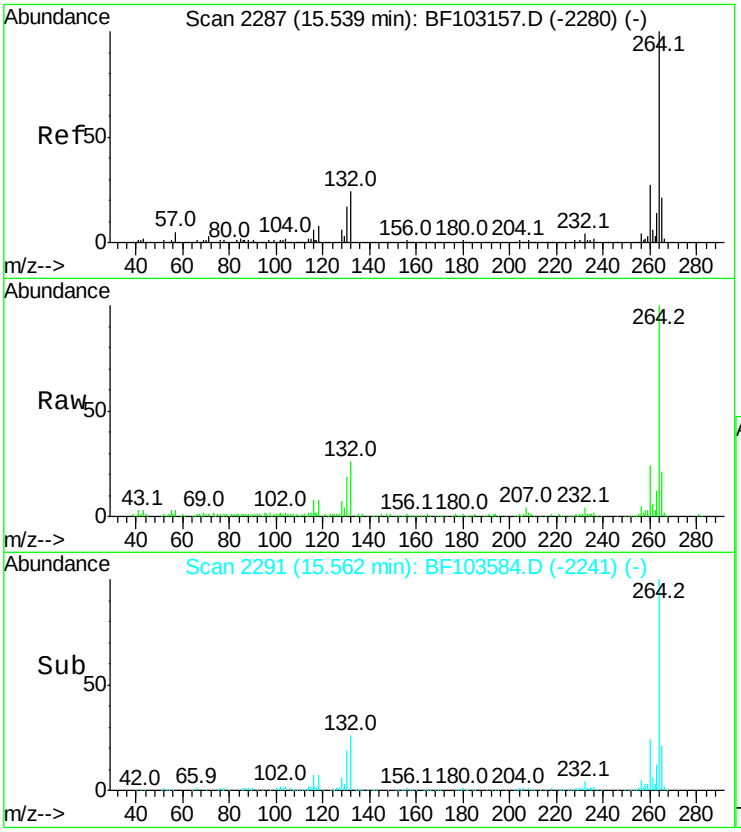




#78
Terphenyl-d14
Concen: 102.005 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Tgt Ion:244 Resp: 876900

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.4 | 8.0 |
| 122 | 15.0 | 11.0 | 16.4 |

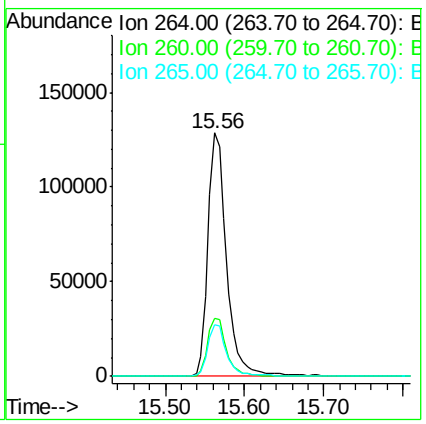





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF103584.D
Acq: 12 Mar 2018 16:13

Tgt Ion:264 Resp: 210832

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.0 | 19.2 | 28.8 |
| 265 | 21.2 | 17.5 | 26.3 |




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