Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110117\
Data File : BF100074.D
Acq On : 2 Nov 2017 5:16
Operator : SJ/JU
Sample : I6231-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

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

Quant Time: Nov 02 05:51:49 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 18:13:08 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.77 | 152 | 93683 | 20.00 | ng | | 0.00 |
| 21) Naphthalene-d8 | 8.06 | 136 | 373719 | 20.00 | ng | | 0.00 |
| 38) Acenaphthene-d10 | 9.82 | 164 | 172886 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.32 | 188 | 285244 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 14.23 | 240 | 175226 | 20.00 | ng | | 0.25 |
| 86) Perylene-d12 | 0.00 | 264 | 0 | 0.00 | ng | | -15.46 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.42 | 112 | 817834 | 137.05 | ng | | 0.03 |
| 7) Phenol-d6 | 6.43 | 99 | 898574 | 127.00 | ng | | 0.00 |
| 23) Nitrobenzene-d5 | 7.35 | 82 | 611261 | 105.30 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.62 | 330 | 236919 | 150.37 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.14 | 172 | 1300713 | 116.08 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.98 | 244 | 930723 | 116.08 | ng | | 0.08 |
| **Target Compounds** | | | | | | | Qvalue |
| 9) Benzaldehyde | 6.55 | 77 | 14317 | 3.386 | ng | | 90 |
| 19) n-Nitroso-di-n-propylamine | 7.35 | 70 | 76560 | 18.464 | ng | # | 71 |
| 25) Isophorone | 7.35 | 82 | 611254 | 58.030 | ng | # | 64 |
| 31) Naphthalene | 8.09 | 128 | 504066 | 27.942 | ng | | 99 |
| 33) 4-Chloroaniline | 8.08 | 127 | 67230 | 9.025 | ng | # | 35 |
| 37) 2-Methylnaphthalene | 8.78 | 142 | 35612 | 2.946 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.82 | 165 | 22025 | 7.652 | ng | # | 25 |
| 55) 4-Nitrophenol | 10.03 | 139 | 5867 | 3.311 | ng | # | 9 |
| 56) 2,4-Dinitrotoluene | 9.82 | 165 | 22025 | 6.354 | ng | # | 22 |
| 66) 4-Bromophenyl-phenylether | 10.62 | 248 | 14911 | 4.965 | ng | # | 1 |

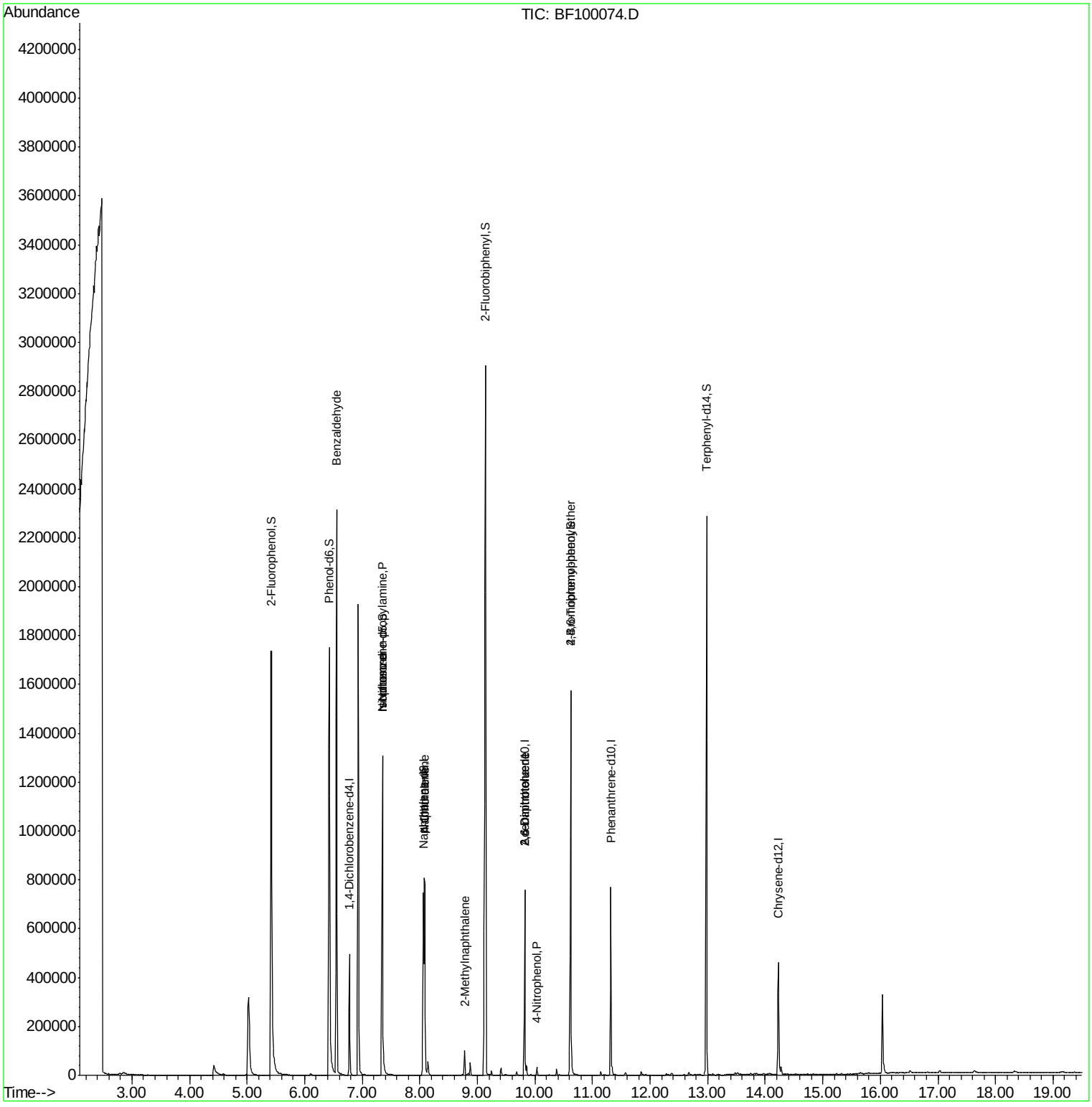
(#) = qualifier out of range (m) = manual integration (+) = signals summed

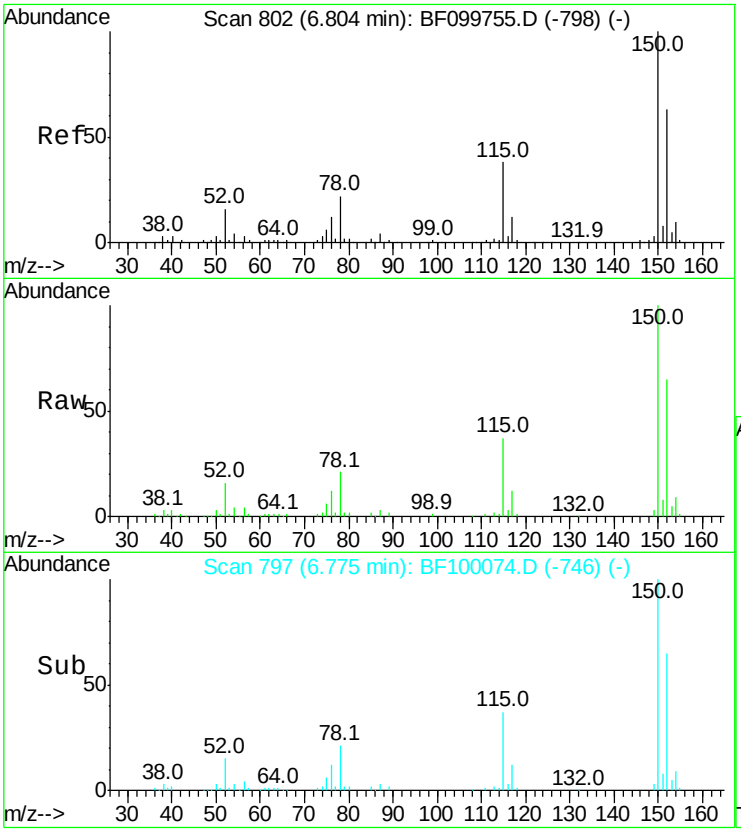
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110117\
Data File : BF100074.D
Acq On : 2 Nov 2017 5:16
Operator : SJ/JU
Sample : I6231-02
Misc :
ALS Vial : 30 Sample Multiplier: 1

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

Quant Time: Nov 02 05:51:49 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 01 18:13:08 2017
Response via : Initial Calibration



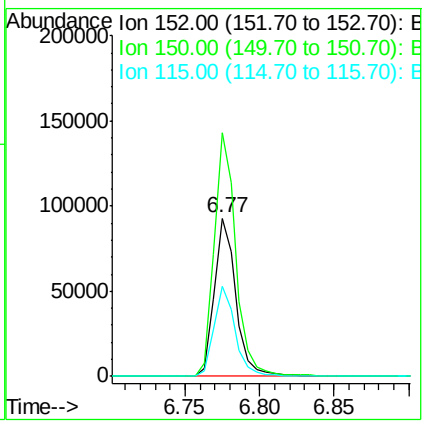


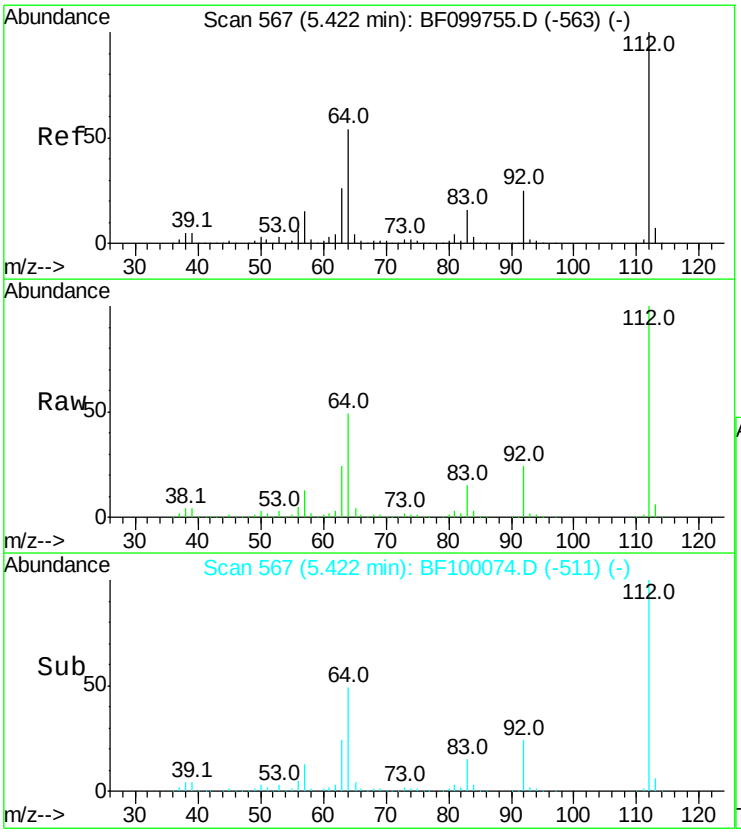

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.00 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

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

Tgt Ion:152 Resp: 93683

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 153.7 | 124.6 | 186.8 |
| 115 | 56.9 | 50.1 | 75.1 |

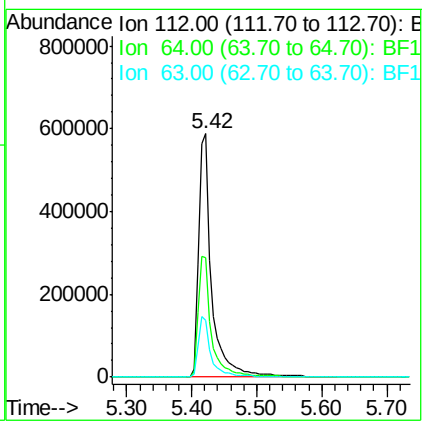


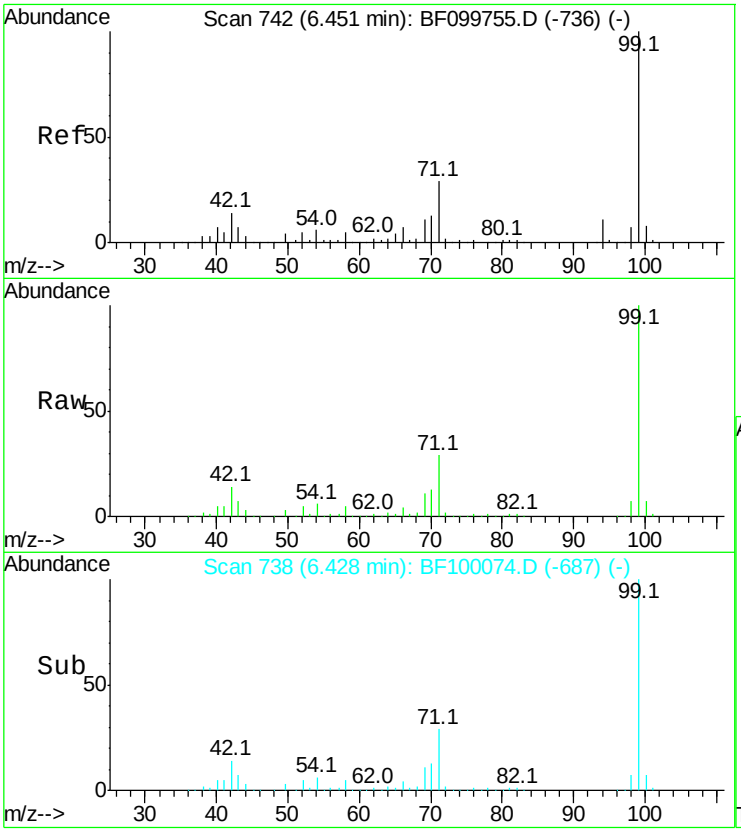




#5
2-Fluorophenol
Concen: 137.055 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.03 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

Tgt Ion:112 Resp: 817834

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 49.2 | 47.9 | 71.9 |
| 63 | 23.5 | 23.7 | 35.5# |



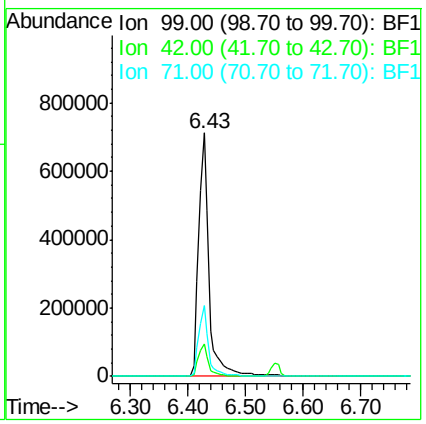


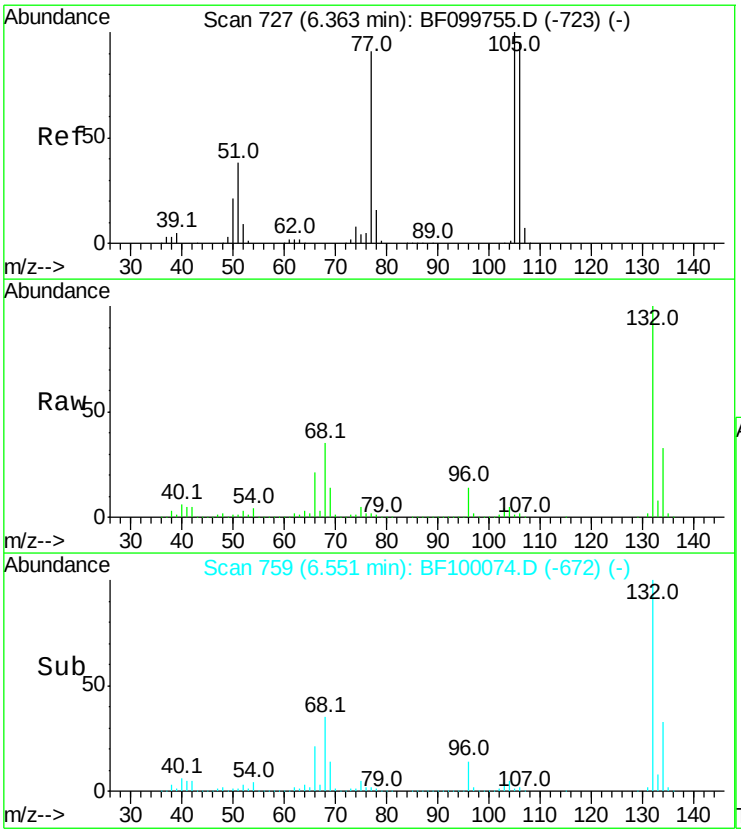

#7
Phenol-d6
Concen: 126.999 ng
RT: 6.43 min Scan# 738
Delta R.T. -0.00 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

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

Tgt Ion: 99 Resp: 898574

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 13.6 | 14.5 | 21.7# |
| 71 | 29.0 | 25.4 | 38.0 |

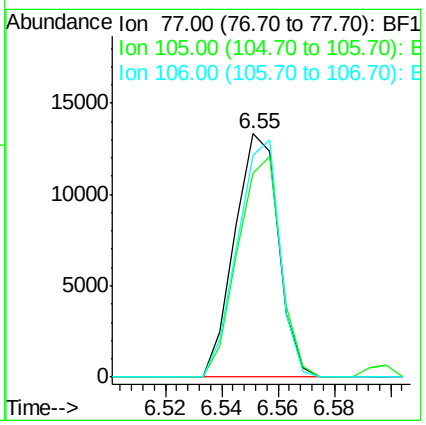


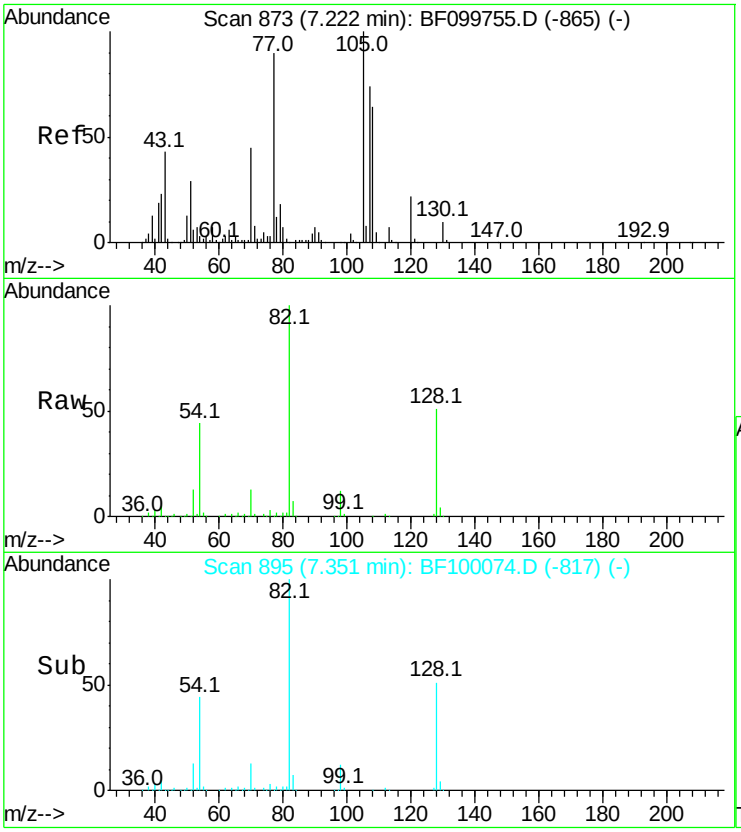




#9
Benzaldehyde
Concen: 3.386 ng
RT: 6.55 min Scan# 759
Delta R.T. 0.21 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

Tgt Ion: 77 Resp: 14317

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 77 | 100 | | |
| 105 | 83.9 | 81.1 | 121.1 |
| 106 | 91.4 | 74.5 | 114.5 |



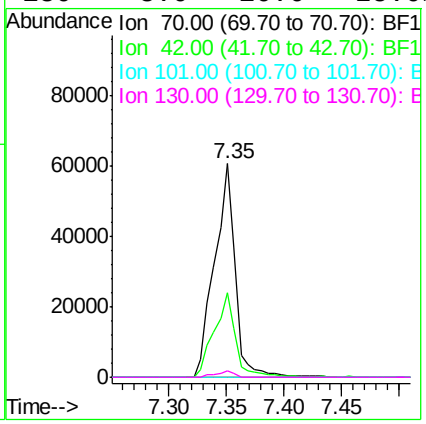


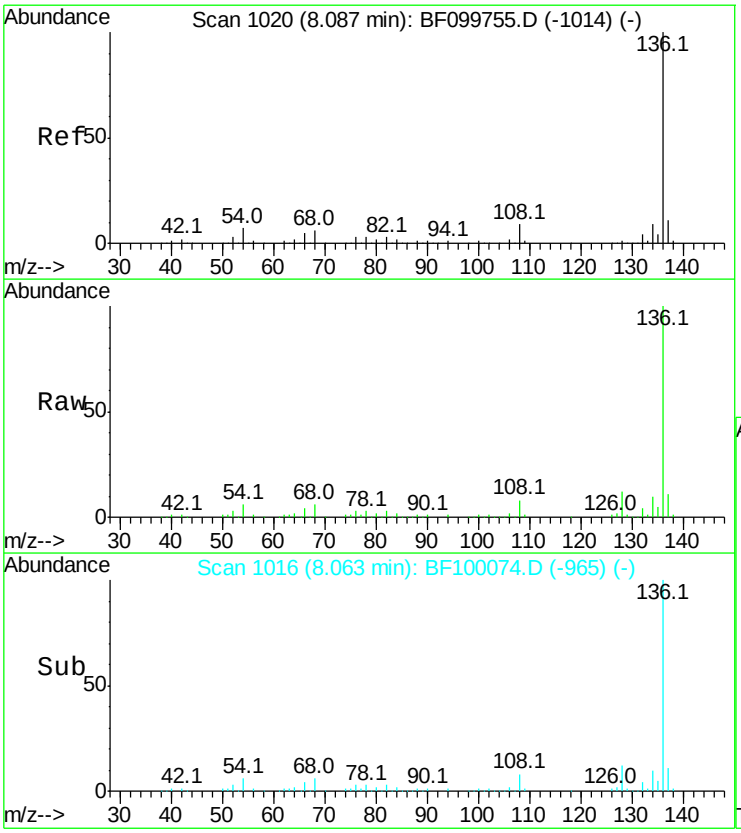

#19
n-Nitroso-di-n-propylamine
Concen: 18.464 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.16 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

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

Tgt Ion: 70 Resp: 76560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 39.8 | 47.5 | 71.3# |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 3.0 | 16.6 | 25.0# |

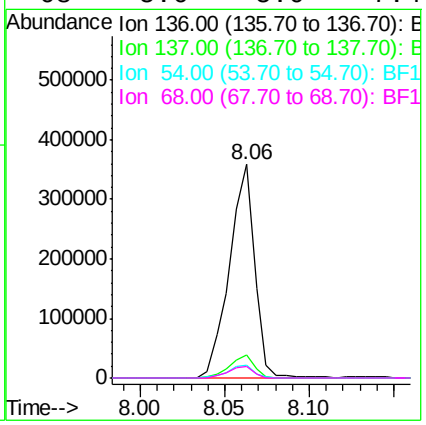


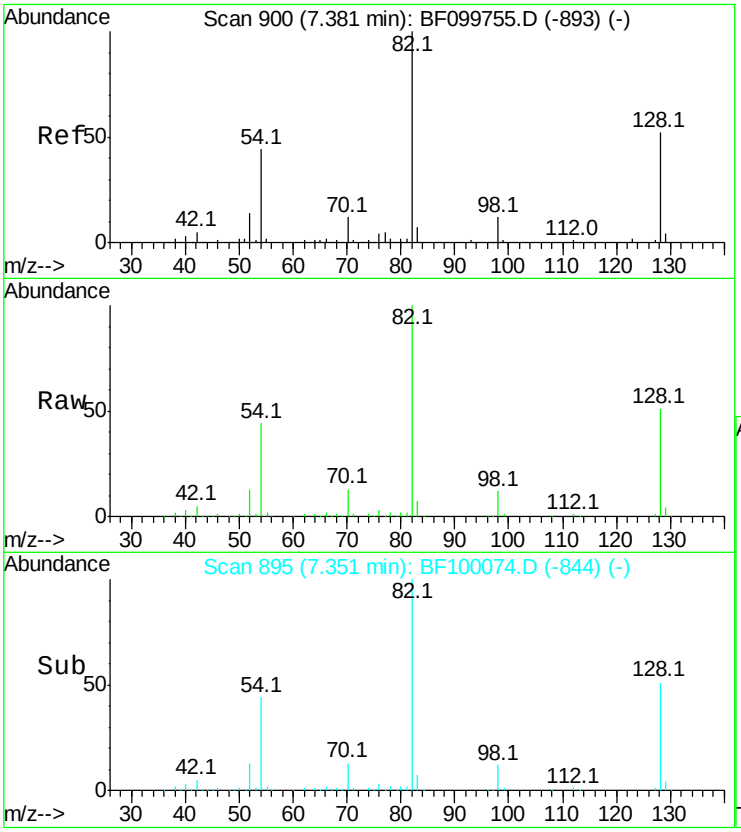




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

Tgt Ion:136 Resp: 373719

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.9 | 13.3 |
| 54 | 6.1 | 6.6 | 9.8# |
| 68 | 5.6 | 5.0 | 7.4 |



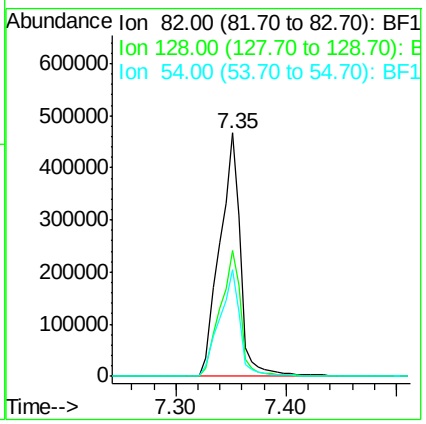


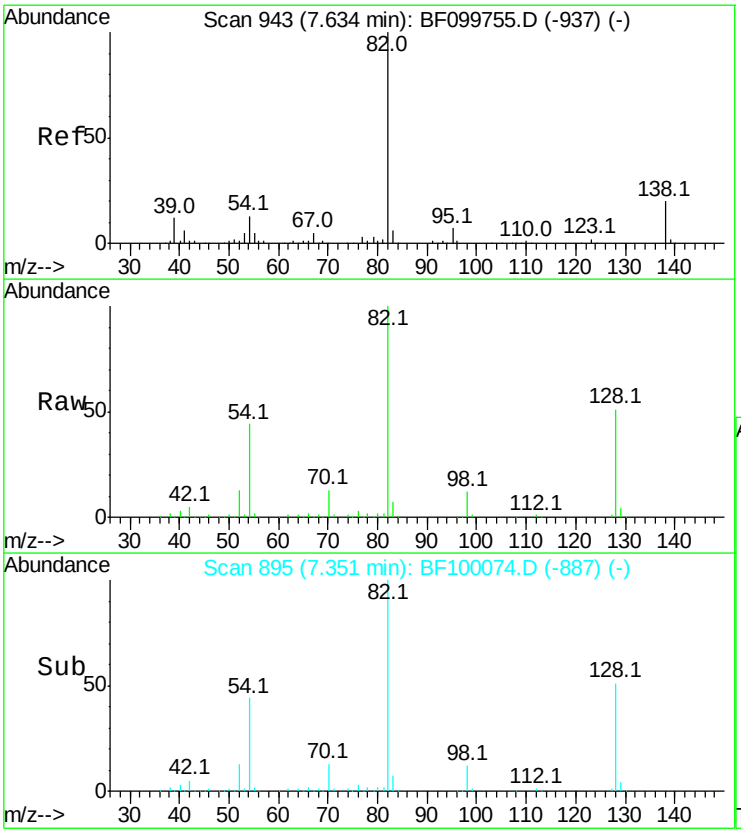

#23
Nitrobenzene-d5
Concen: 105.302 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.00 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

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

Tgt Ion: 82 Resp: 611261

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 51.5 | 36.1 | 54.1 |
| 54 | 43.6 | 41.4 | 62.2 |

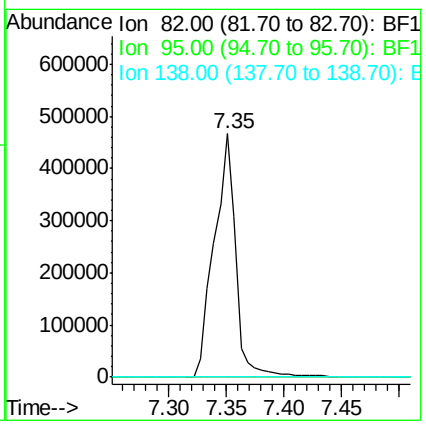


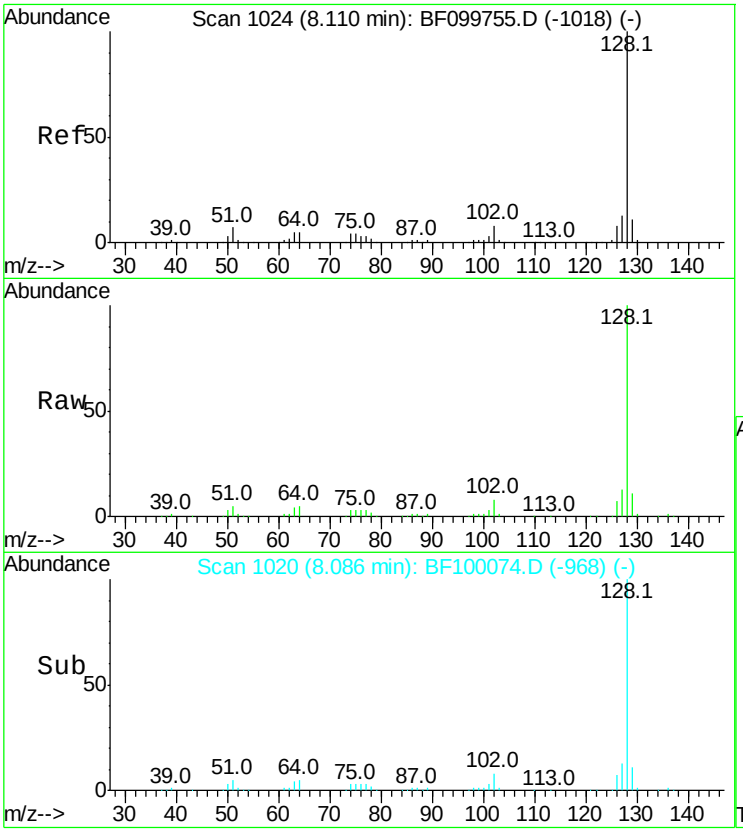




#25
Isophorone
Concen: 58.030 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.25 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

Tgt Ion: 82 Resp: 611254

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



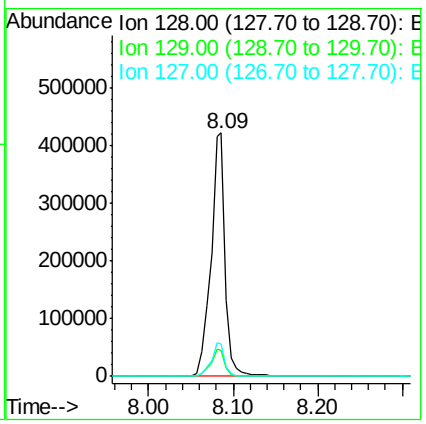


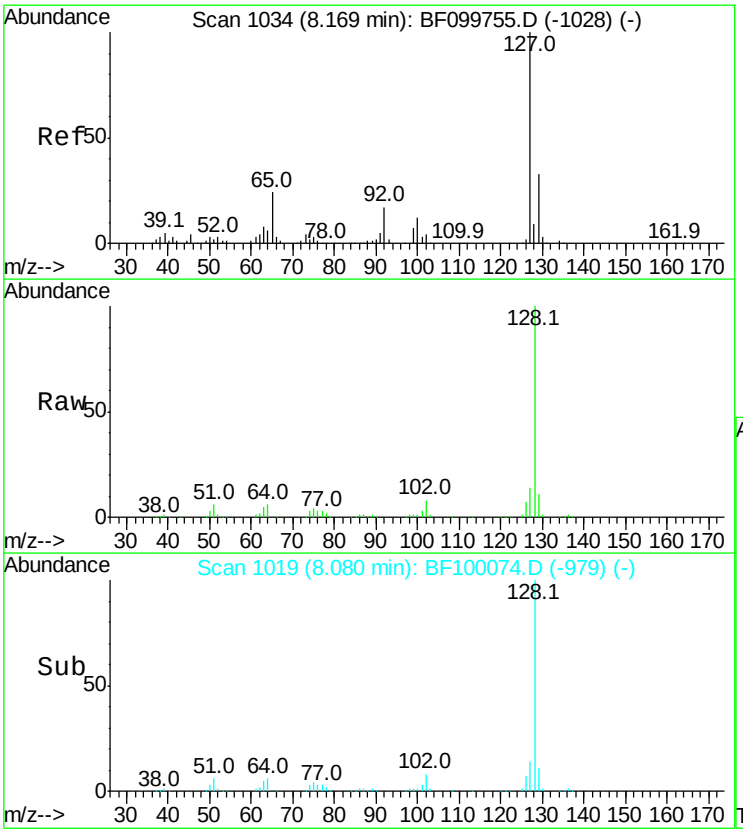

#31
Naphthalene
Concen: 27.942 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.01 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

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

Tgt Ion:128 Resp: 504066

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 10.8 | 8.8 | 13.2 |
| 127 | 13.4 | 10.9 | 16.3 |

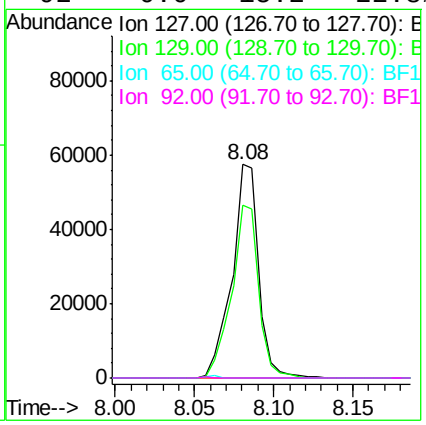


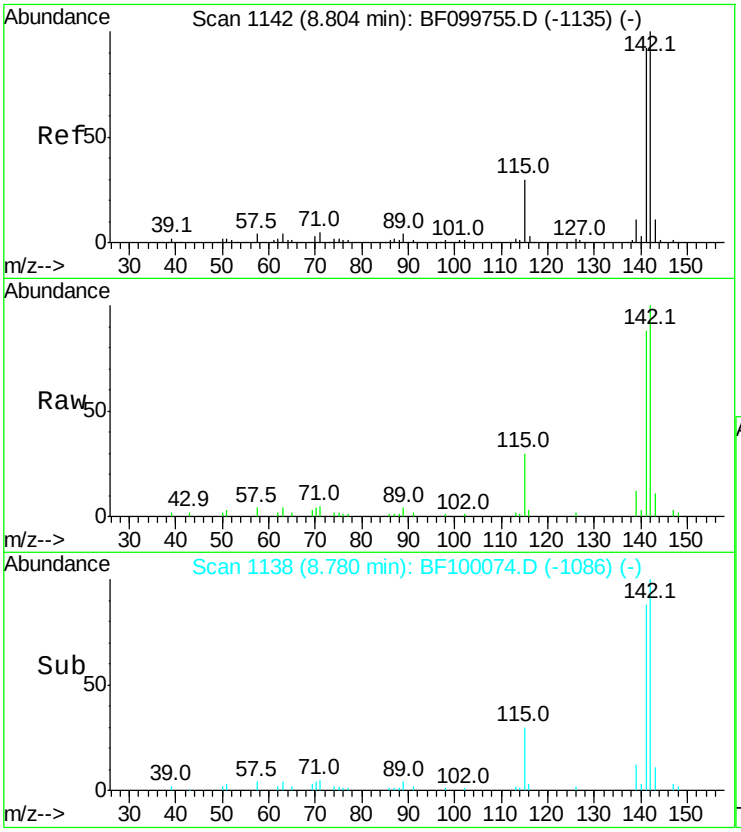




#33
4-Chloroaniline
Concen: 9.025 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.06 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

Tgt Ion:127 Resp: 67230

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 127 | 100 | | |
| 129 | 81.1 | 25.9 | 38.9# |
| 65 | 0.0 | 25.0 | 37.4# |
| 92 | 0.0 | 15.2 | 22.8# |



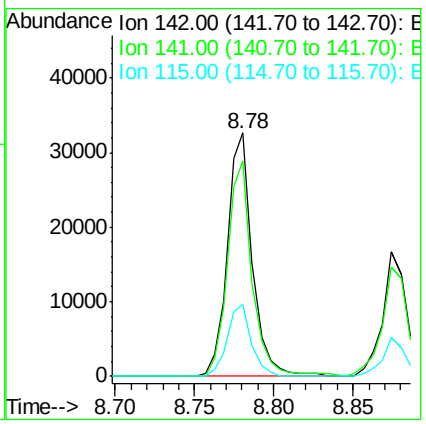


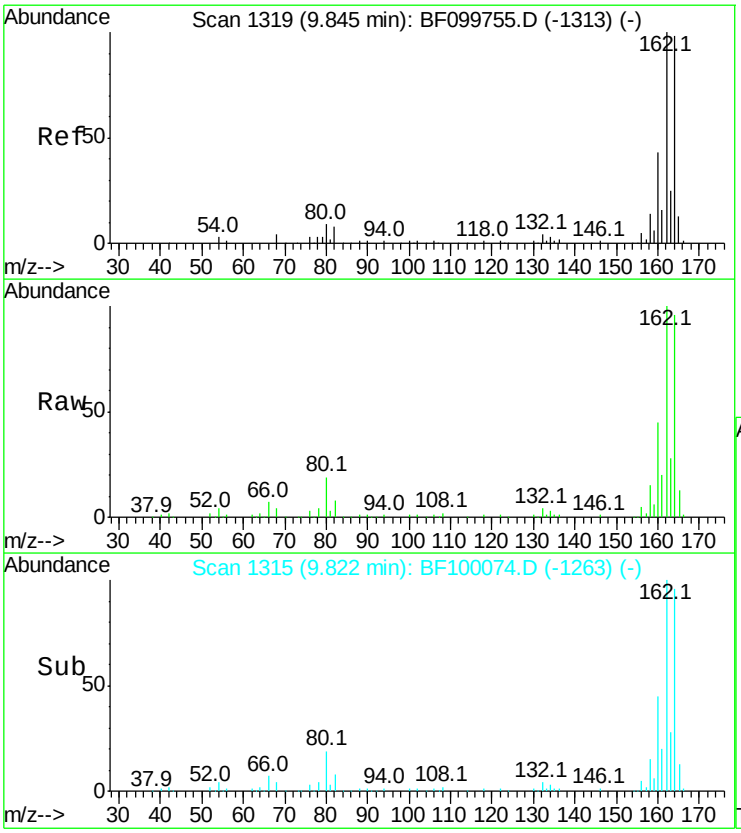

#37
2-Methylnaphthalene
Concen: 2.946 ng
RT: 8.78 min Scan# 1138
Delta R.T. 0.01 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

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

Tgt Ion:142 Resp: 35612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.3 | 70.8 | 106.2 |
| 115 | 29.9 | 26.1 | 39.1 |

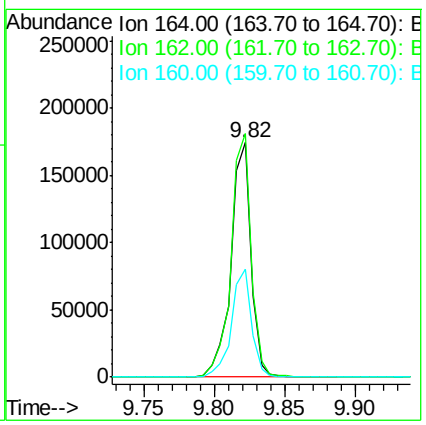


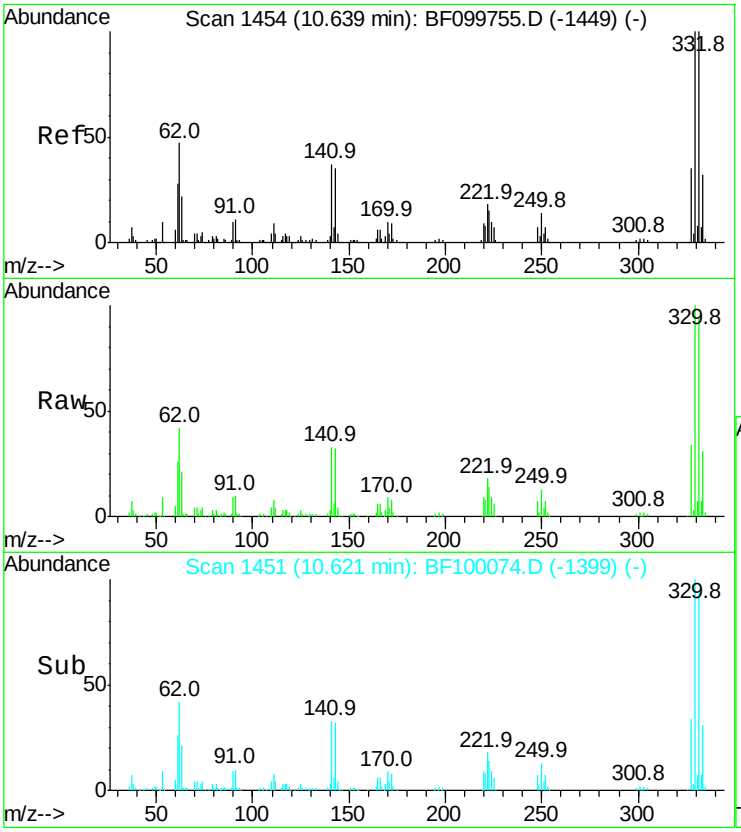




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

Tgt Ion:164 Resp: 172886

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.8 | 86.1 | 129.1 |
| 160 | 46.2 | 38.3 | 57.5 |



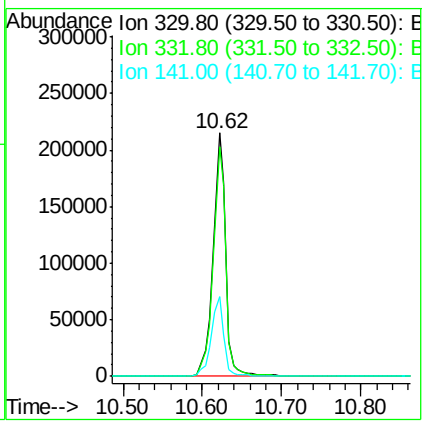


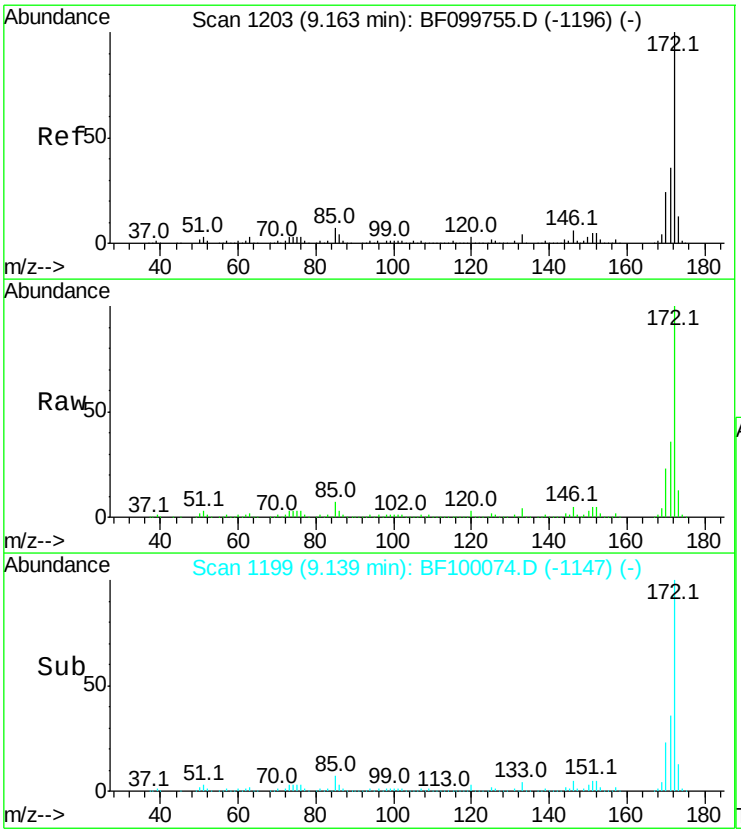

#41
2,4,6-Tribromophenol
Concen: 150.373 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.01 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

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

Tgt Ion:330 Resp: 236919

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 94.8 | 77.0 | 115.6 |
| 141 | 33.1 | 29.9 | 44.9 |

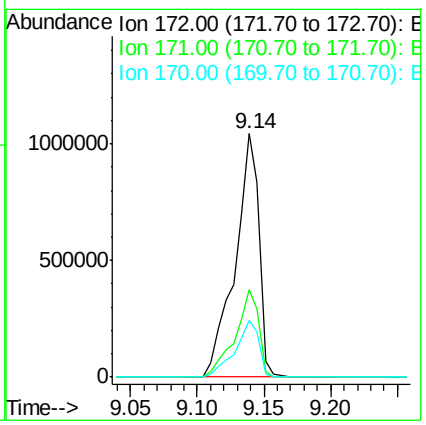


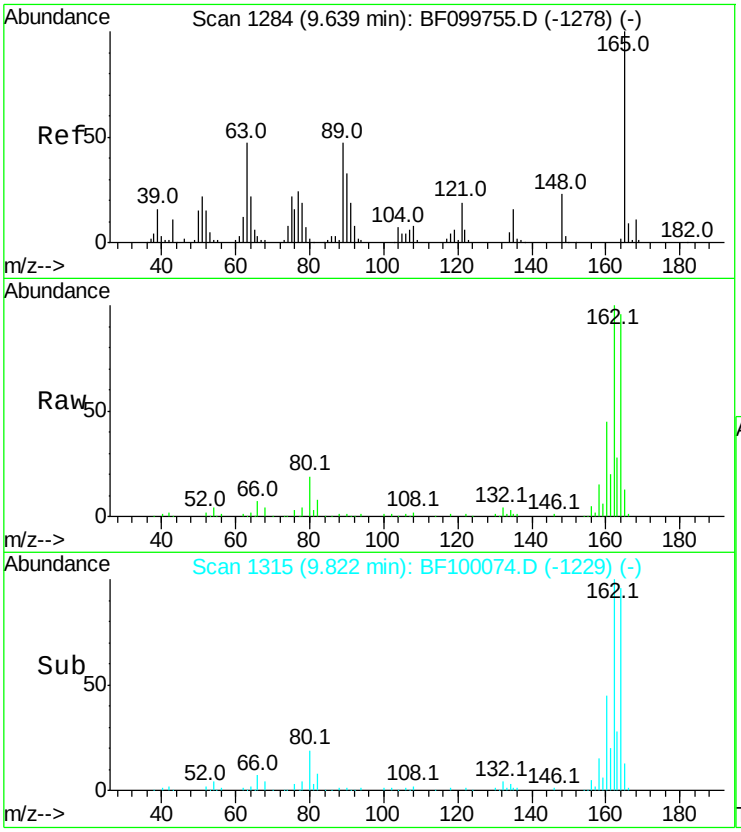




#44
2-Fluorobiphenyl
Concen: 116.076 ng
RT: 9.14 min Scan# 1199
Delta R.T. 0.01 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

Tgt Ion:172 Resp: 1300713

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.2 | 29.7 | 44.5 |
| 170 | 23.3 | 19.6 | 29.4 |



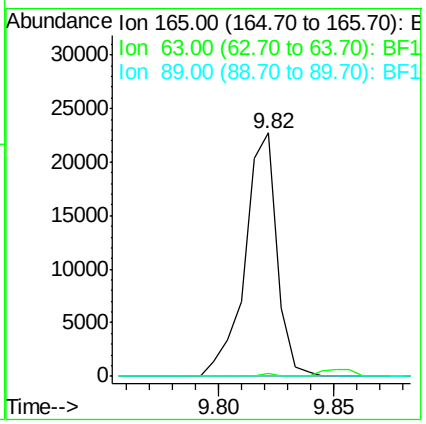


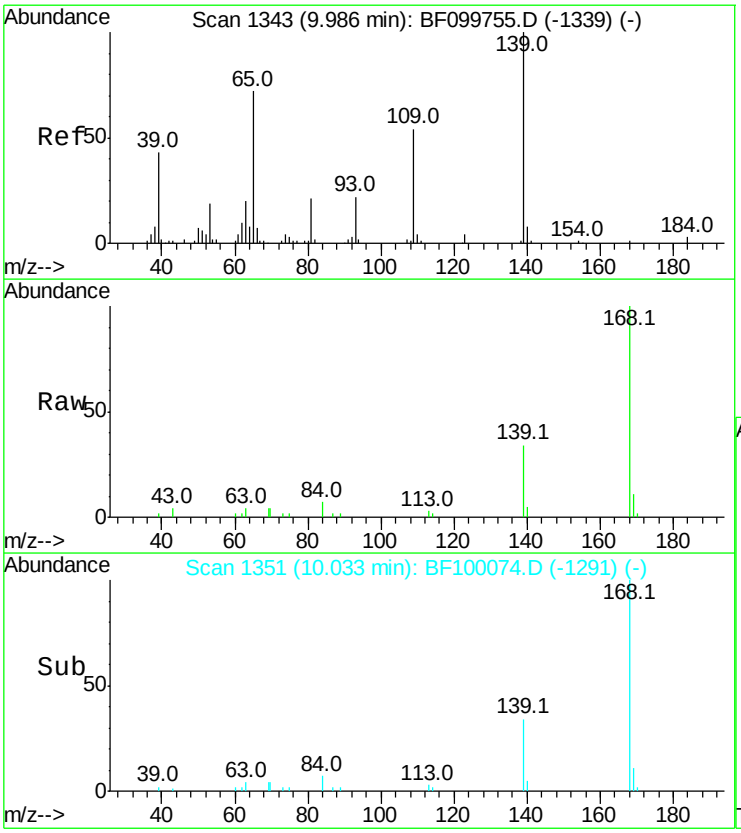

#50
2,6-Dinitrotoluene
Concen: 7.652 ng
RT: 9.82 min Scan# 1315
Delta R.T. 0.21 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

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

Tgt Ion:165 Resp: 22025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 44.7 | 67.1# |
| 89 | 0.0 | 44.0 | 66.0# |

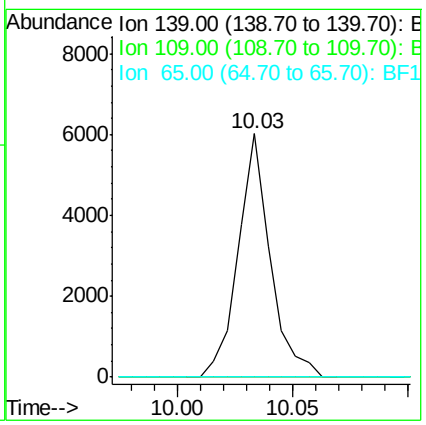


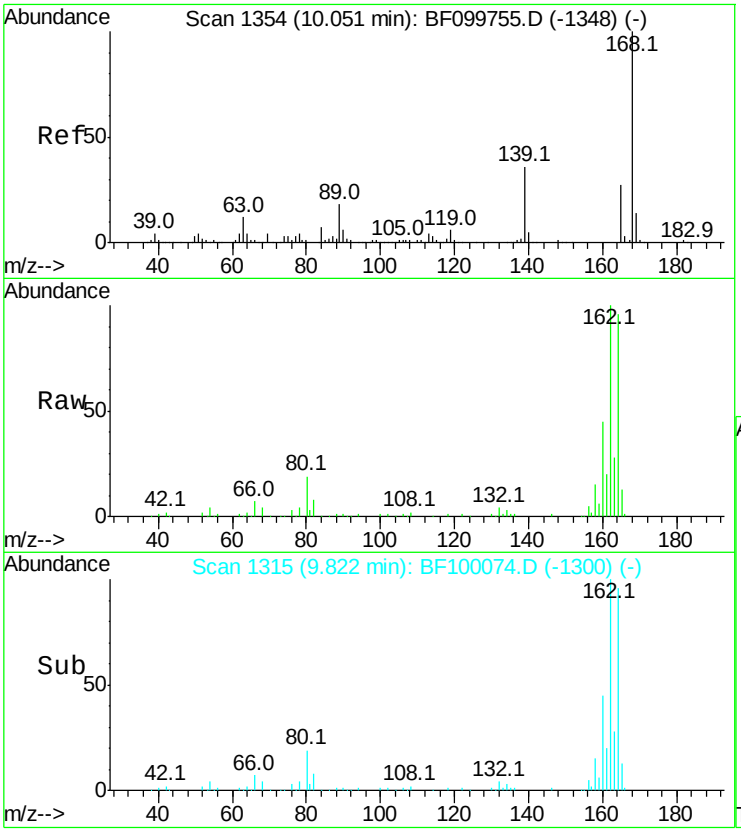




#55
4-Nitrophenol
Concen: 3.311 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.05 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

Tgt Ion:139 Resp: 5867

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 139 | 100 | | |
| 109 | 0.0 | 48.4 | 88.4# |
| 65 | 0.0 | 72.6 | 112.6# |



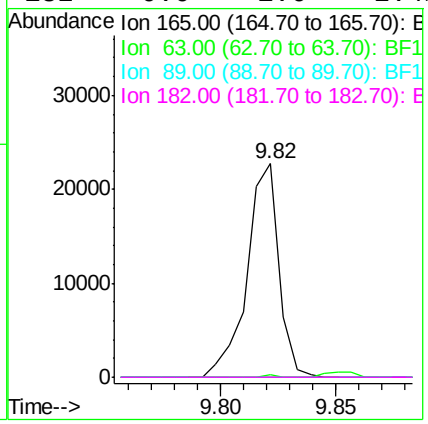


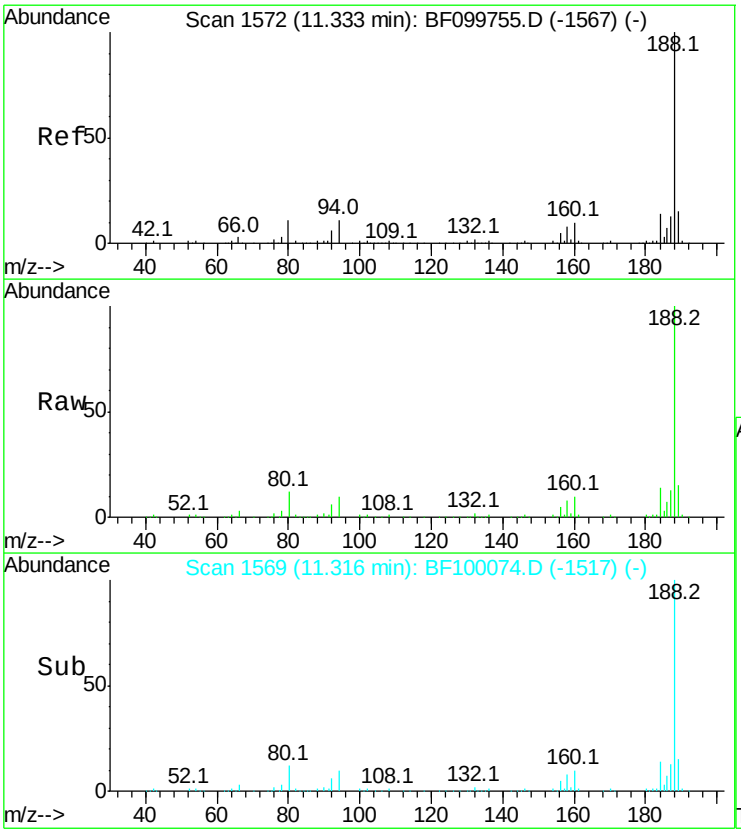

#56
2,4-Dinitrotoluene
Concen: 6.354 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.21 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

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

Tgt Ion:165 Resp: 22025

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 36.4 | 54.6# |
| 89 | 0.0 | 57.8 | 86.6# |
| 182 | 0.0 | 1.6 | 2.4# |

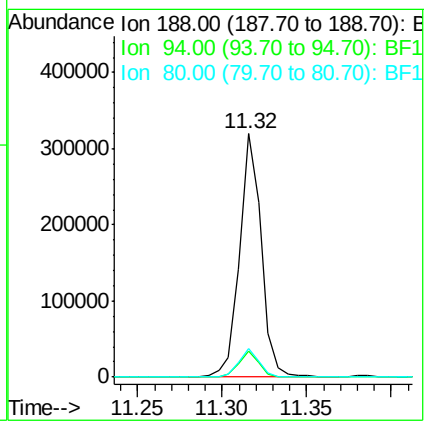


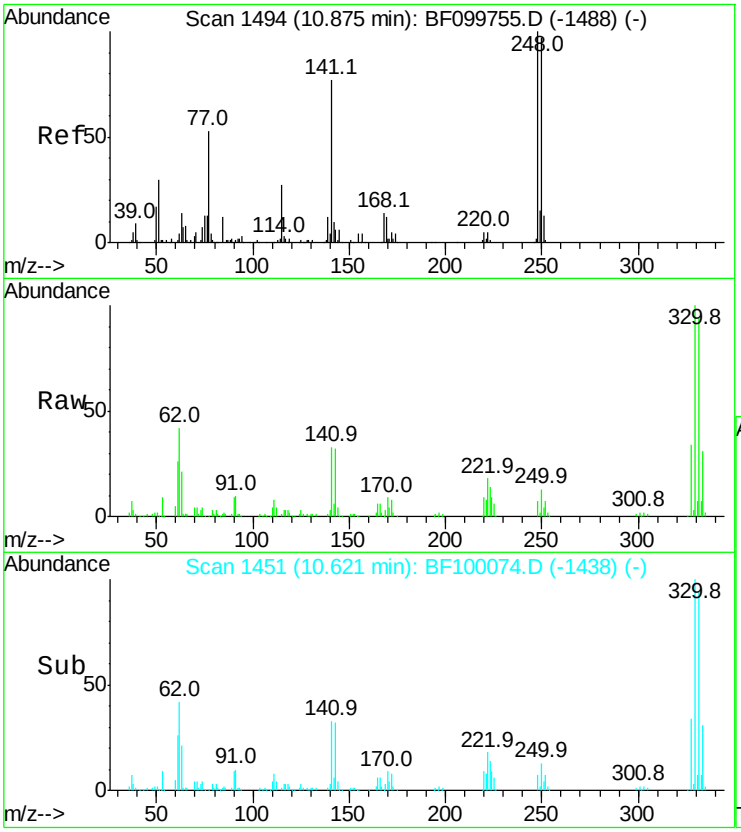




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.01 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

Tgt Ion:188 Resp: 285244

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.5 | 8.5 | 12.7 |
| 80 | 11.7 | 9.2 | 13.8 |



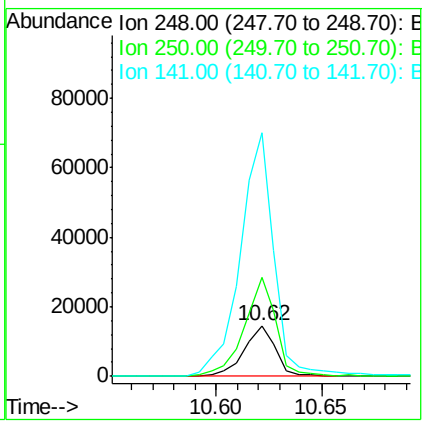


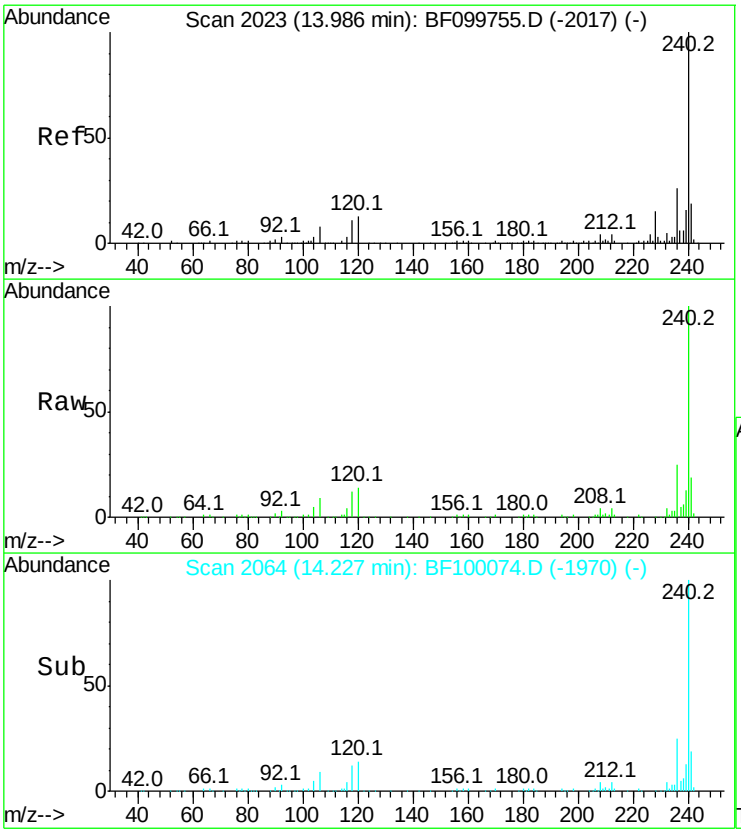

#66
4-Bromophenyl-phenylether
Concen: 4.965 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.22 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

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

Tgt Ion:248 Resp: 14911

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 195.4 | 76.9 | 115.3# |
| 141 | 481.7 | 74.4 | 111.6# |

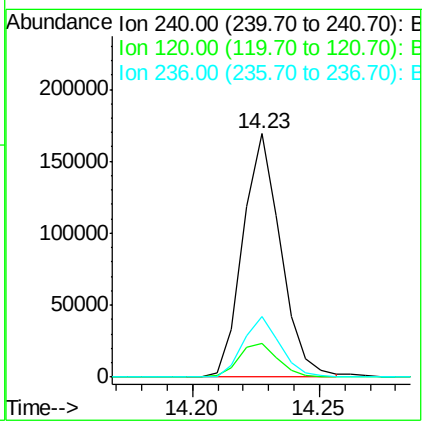


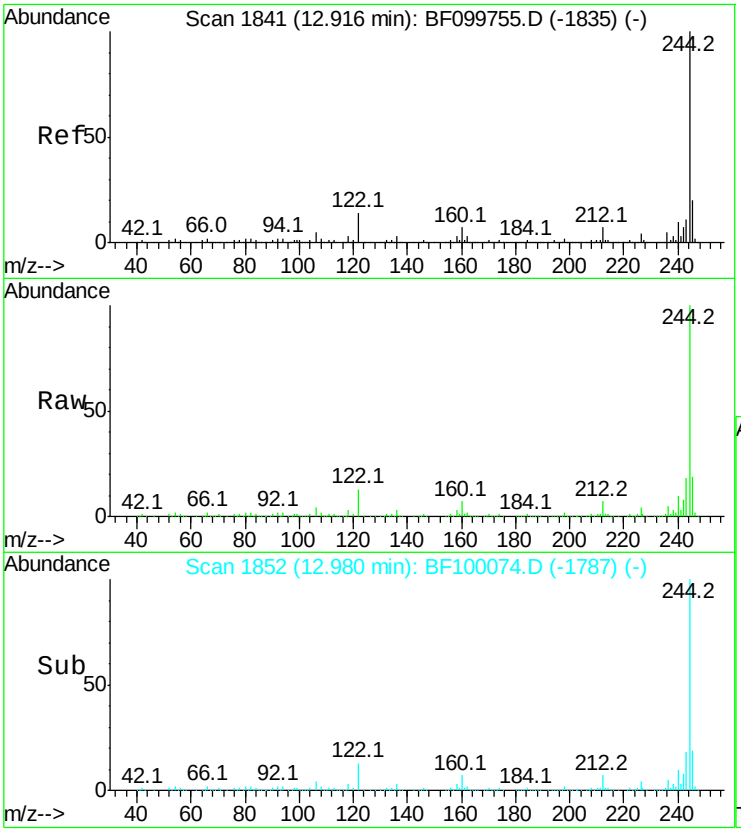




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.23 min Scan# 2064
Delta R.T. 0.25 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

Tgt Ion:240 Resp: 175226

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.9 | 9.5 | 14.3 |
| 236 | 24.7 | 20.7 | 31.1 |



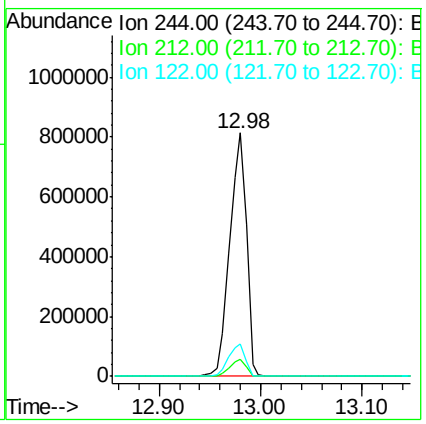


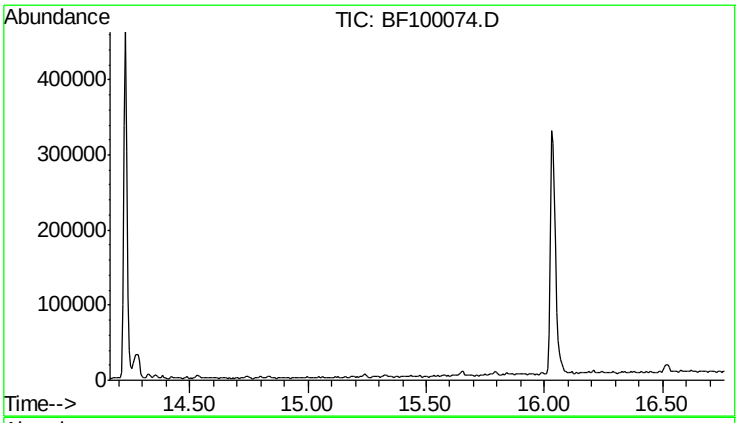

#78
Terphenyl-d14
Concen: 116.077 ng
RT: 12.98 min Scan# 1852
Delta R.T. 0.08 min
Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

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

Tgt Ion:244 Resp: 930723

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.8 | 5.4 | 8.0 |
| 122 | 13.1 | 11.0 | 16.4 |




#86
Perylene-d12
Concen: 0.000 ng
Expected RT: 15.46 min

Lab File: BF100074.D
Acq: 2 Nov 2017 5:16

Tgt Ion: 264

| Sig | Exp Ratio |
|---|---|
| 264 | 100 |
| 260 | 24.0 |
| 265 | 21.9 |