Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097813.D
Acq On : 18 Aug 2017 4:35
Operator : SJ/JU
Sample : I4752-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** RMAB-MW-12-GW

Quant Time: Aug 18 05:12:21 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 15 13:25:08 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.78 | 152 | 147094 | 20.00 | ng | 0.00 |
| 21) Naphthalene-d8 | 8.06 | 136 | 512456 | 20.00 | ng | 0.00 |
| 38) Acenaphthene-d10 | 9.82 | 164 | 187560 | 20.00 | ng | 0.00 |
| 63) Phenanthrene-d10 | 11.29 | 188 | 314338 | 20.00 | ng | -0.01 |
| 75) Chrysene-d12 | 13.93 | 240 | 325271 | 20.00 | ng | -0.01 |
| 86) Perylene-d12 | 15.36 | 264 | 227849 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.39 | 112 | 264652 | 27.37 | ng | 0.00 |
| 7) Phenol-d6 | 6.41 | 99 | 580783 | 44.20 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.35 | 82 | 840110 | 89.06 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.60 | 330 | 192752 | 118.44 | ng | 0.00 |
| 44) 2-Fluorobiphenyl | 9.14 | 172 | 1113486 | 87.22 | ng | 0.00 |
| 78) Terphenyl-d14 | 12.89 | 244 | 893589 | 57.29 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 17) 2-Methylphenol | 7.03 | 107 | 75270 | 8.375 | ng | # 65 |
| 27) 2,4-Dimethylphenol | 7.72 | 122 | 162551 | 19.870 | ng | 90 |
| 31) Naphthalene | 8.09 | 128 | 2444721 | 91.892 | ng | 98 |
| 32) Benzoic acid | 7.83 | 122 | 56612 | 14.635 | ng | # 83 |
| 37) 2-Methylnaphthalene | 8.77 | 142 | 485814 | 29.785 | ng | 97 |

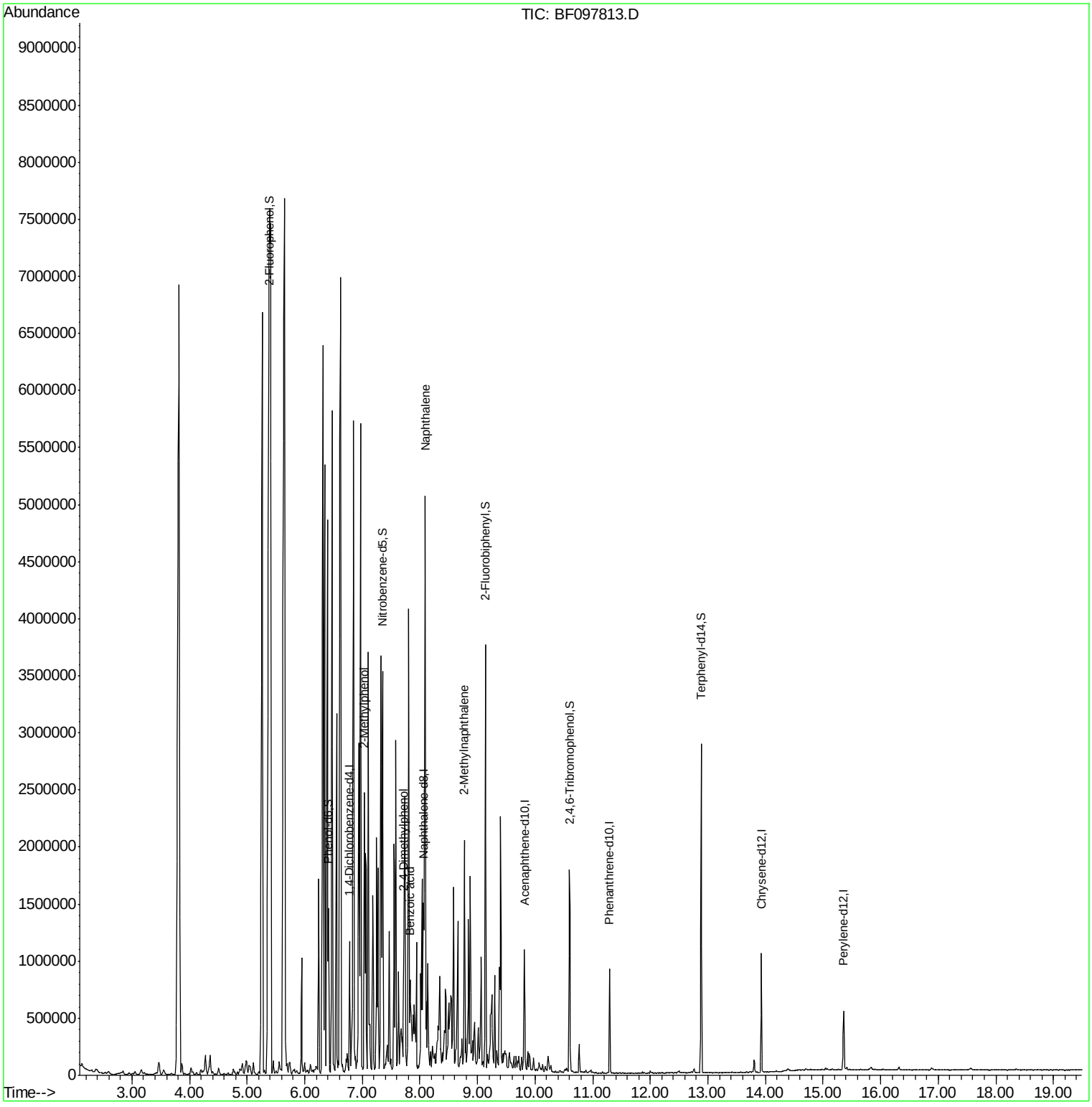
(#) = qualifier out of range (m) = manual integration (+) = signals summed

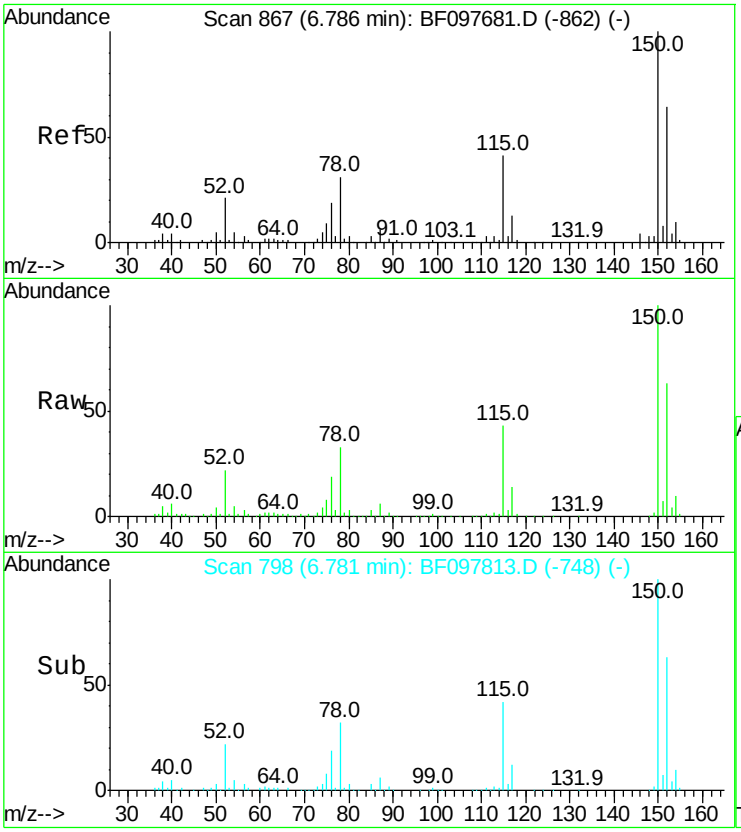
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081717\
Data File : BF097813.D
Acq On : 18 Aug 2017 4:35
Operator : SJ/JU
Sample : I4752-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
RMAB-MW-12-GW

Quant Time: Aug 18 05:12:21 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 15 13:25:08 2017
Response via : Initial Calibration



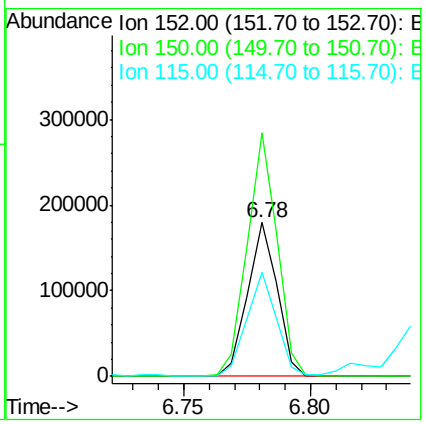


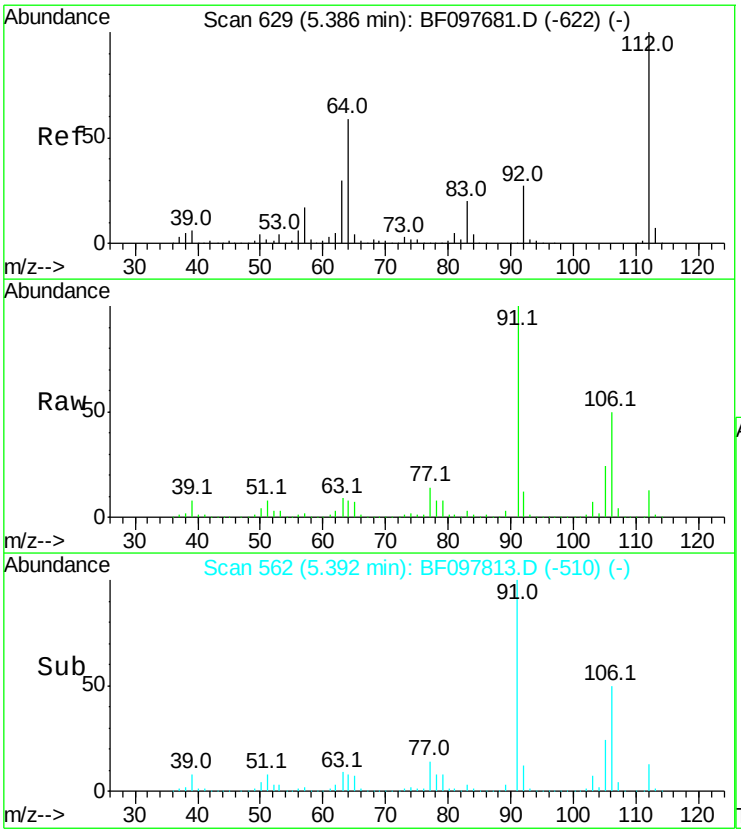

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097813.D
Acq: 18 Aug 2017 4:35

**Instrument :**
BNA_F
**ClientSampleId :**
RMAB-MW-12-GW

Tgt Ion:152 Resp: 147094

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.2 | 126.2 | 189.2 |
| 115 | 67.4 | 52.2 | 78.2 |

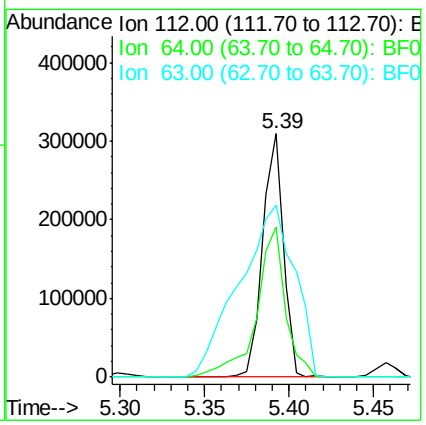


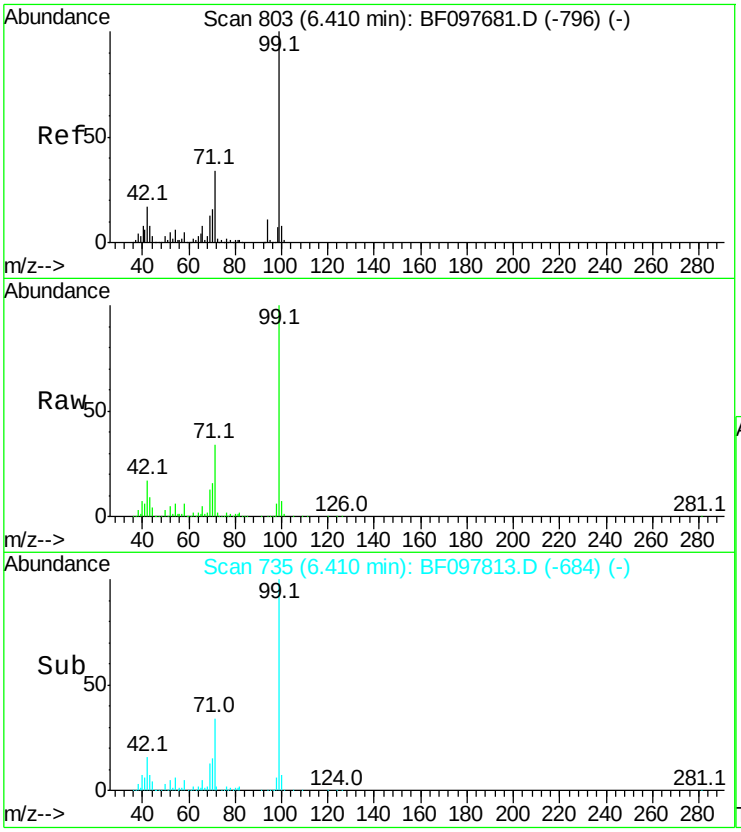




#5
2-Fluorophenol
Concen: 27.367 ng
RT: 5.39 min Scan# 562
Delta R.T. 0.01 min
Lab File: BF097813.D
Acq: 18 Aug 2017 4:35

Tgt Ion:112 Resp: 264652

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 61.6 | 46.0 | 69.0 |
| 63 | 70.6 | 23.4 | 35.0# |



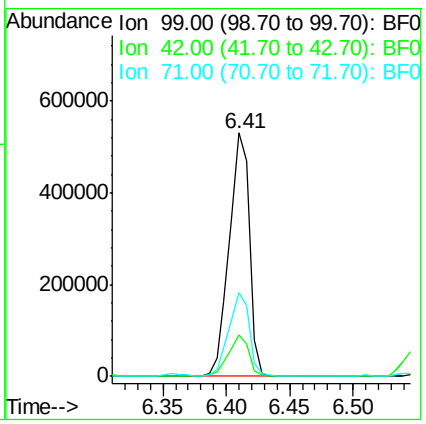


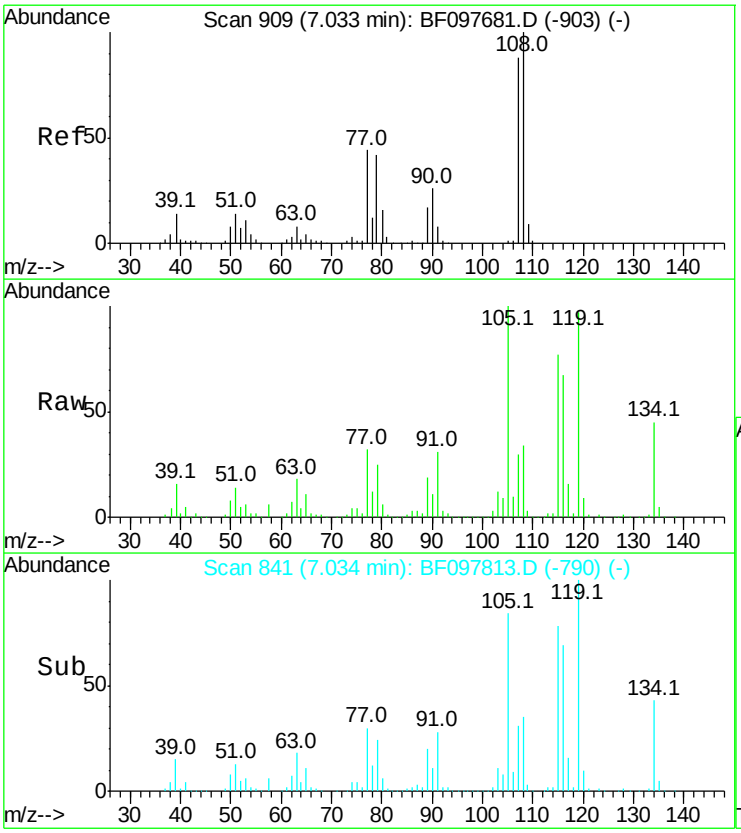

#7
Phenol-d6
Concen: 44.202 ng
RT: 6.41 min Scan# 735
Delta R.T. 0.00 min
Lab File: BF097813.D
Acq: 18 Aug 2017 4:35

**Instrument :**
BNA_F
**ClientSampleId :**
RMAB-MW-12-GW

Tgt Ion: 99 Resp: 580783

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 17.2 | 13.5 | 20.3 |
| 71 | 34.2 | 24.5 | 36.7 |

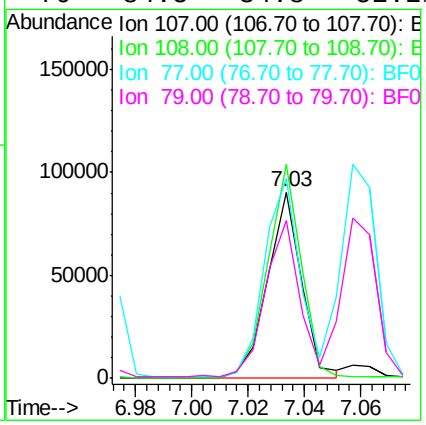


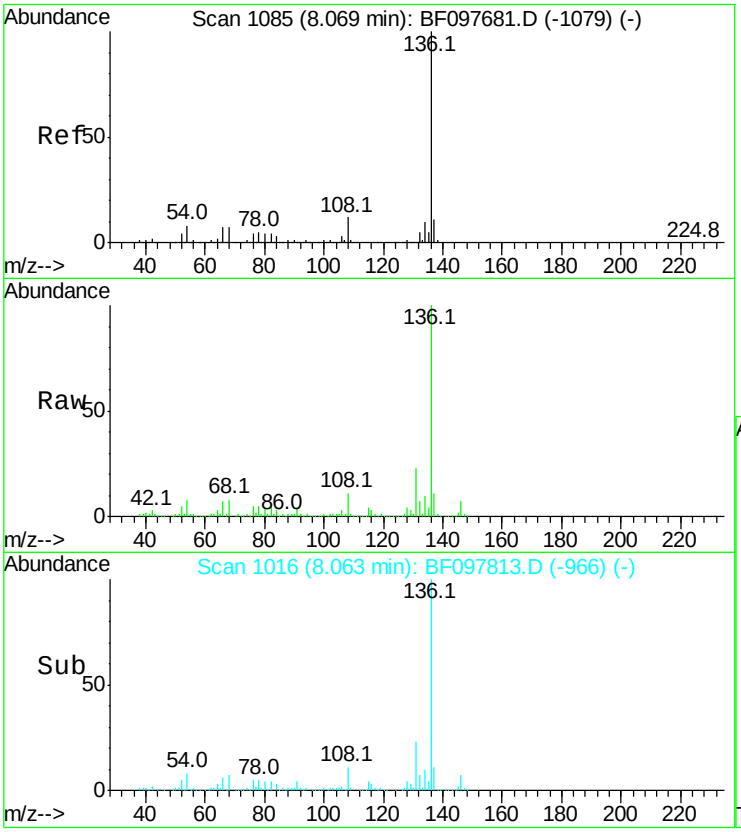




#17
2-Methylphenol
Concen: 8.375 ng
RT: 7.03 min Scan# 841
Delta R.T. 0.00 min
Lab File: BF097813.D
Acq: 18 Aug 2017 4:35

Tgt Ion:107 Resp: 75270

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 114.7 | 93.4 | 140.0 |
| 77 | 107.2 | 35.8 | 53.6# |
| 79 | 84.5 | 34.8 | 52.2# |



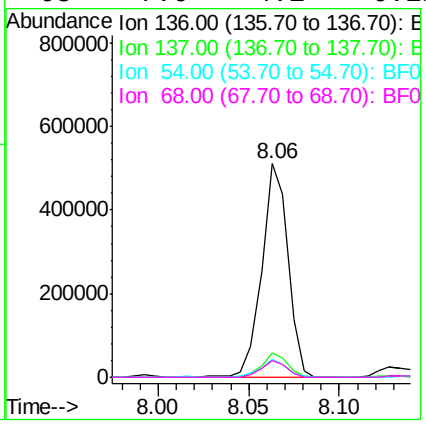


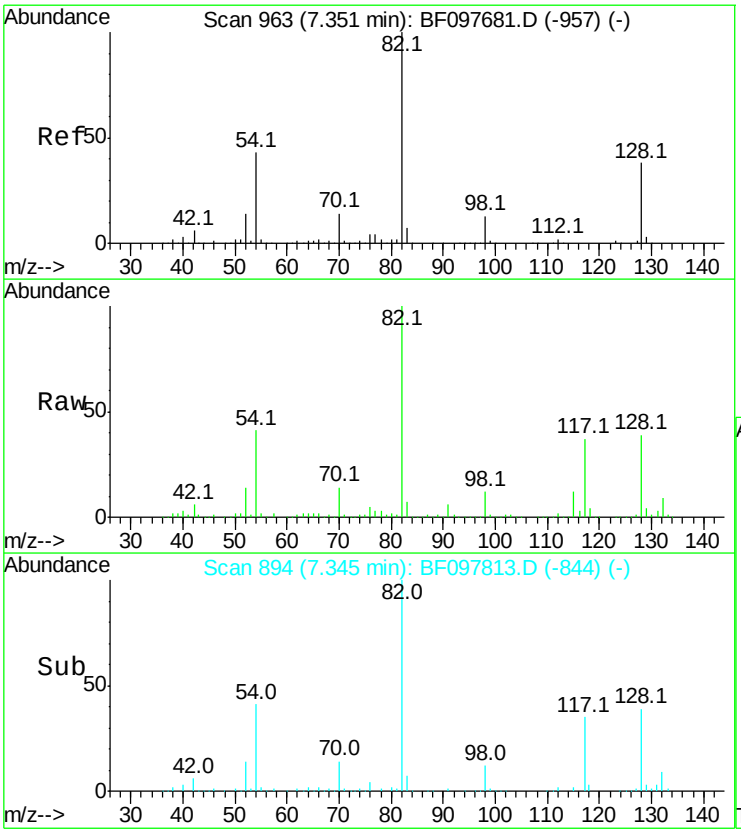

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BF097813.D
Acq: 18 Aug 2017 4:35

**Instrument :**
BNA_F
**ClientSampleId :**
RMAB-MW-12-GW

Tgt Ion:136 Resp: 512456

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.2 | 8.5 | 12.7 |
| 54 | 8.1 | 4.9 | 7.3# |
| 68 | 7.6 | 4.1 | 6.1# |

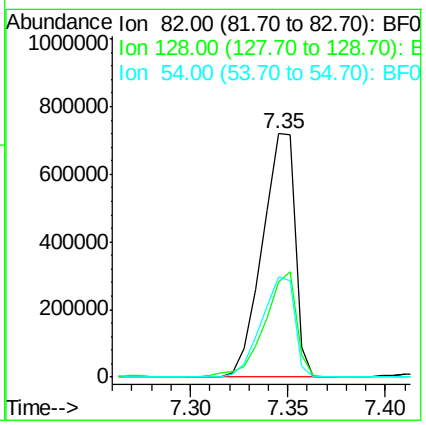


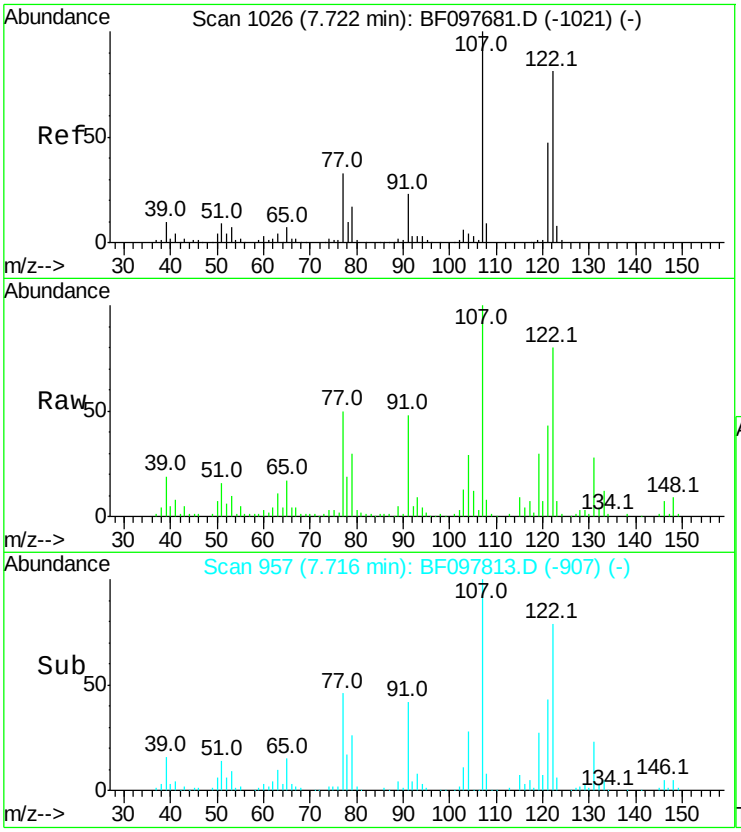




#23
Nitrobenzene-d5
Concen: 89.059 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BF097813.D
Acq: 18 Aug 2017 4:35

Tgt Ion: 82 Resp: 840110

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.1 | 34.0 | 51.0 |
| 54 | 41.3 | 42.2 | 63.2# |



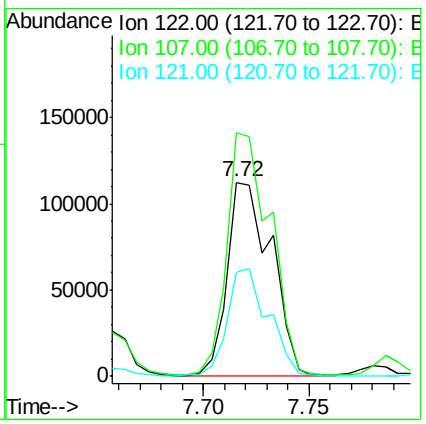


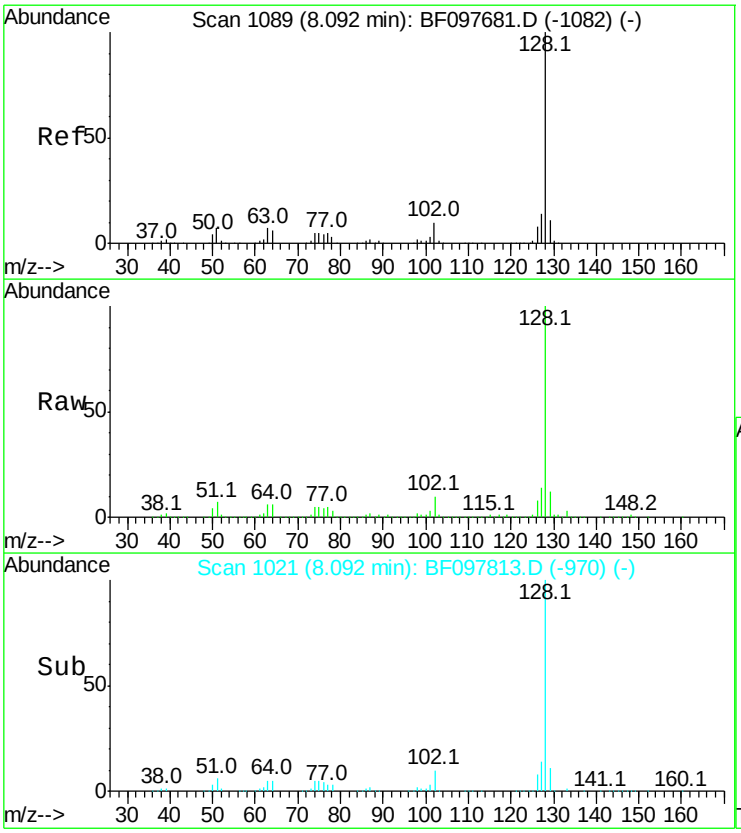

#27
2,4-Dimethylphenol
Concen: 19.870 ng
RT: 7.72 min Scan# 957
Delta R.T. -0.01 min
Lab File: BF097813.D
Acq: 18 Aug 2017 4:35

**Instrument :**
BNA_F
**ClientSampleId :**
RMAB-MW-12-GW

Tgt Ion:122 Resp: 162551

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 125.5 | 89.2 | 133.8 |
| 121 | 53.8 | 45.2 | 67.8 |

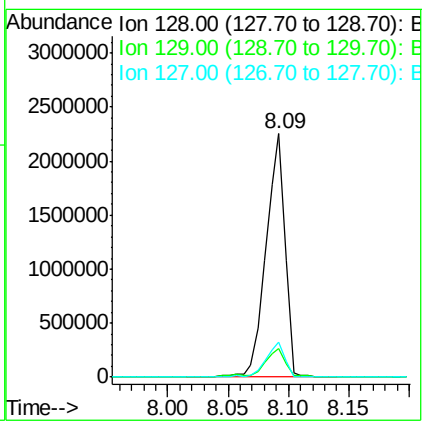


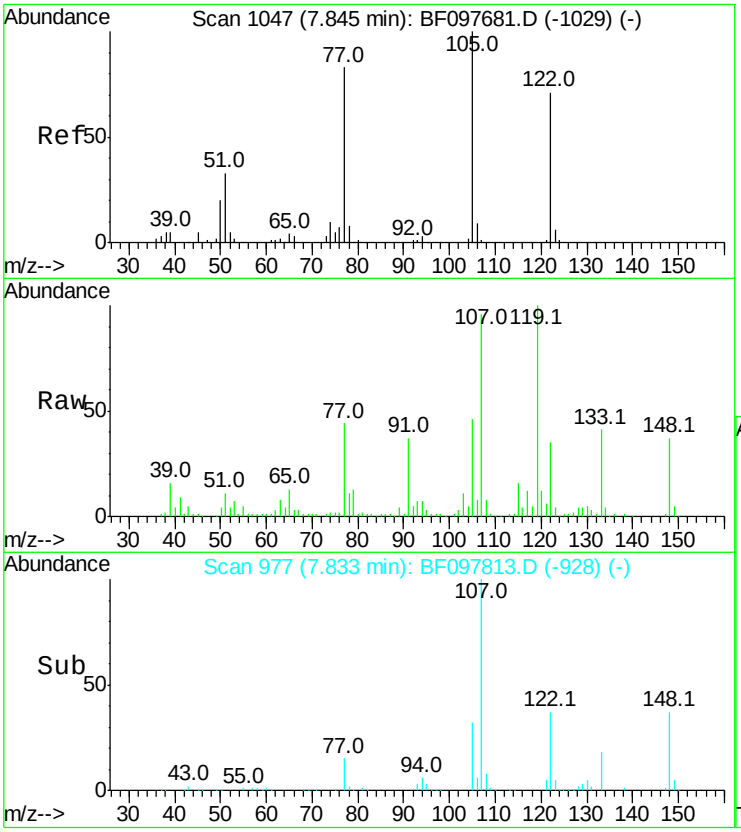




#31
Naphthalene
Concen: 91.892 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BF097813.D
Acq: 18 Aug 2017 4:35

Tgt Ion:128 Resp: 2444721

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 11.8 | 9.0 | 13.6 |
| 127 | 14.2 | 10.8 | 16.2 |



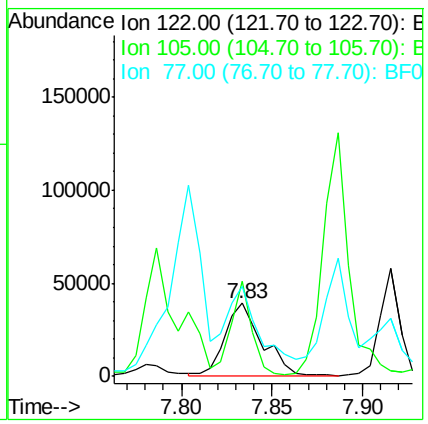


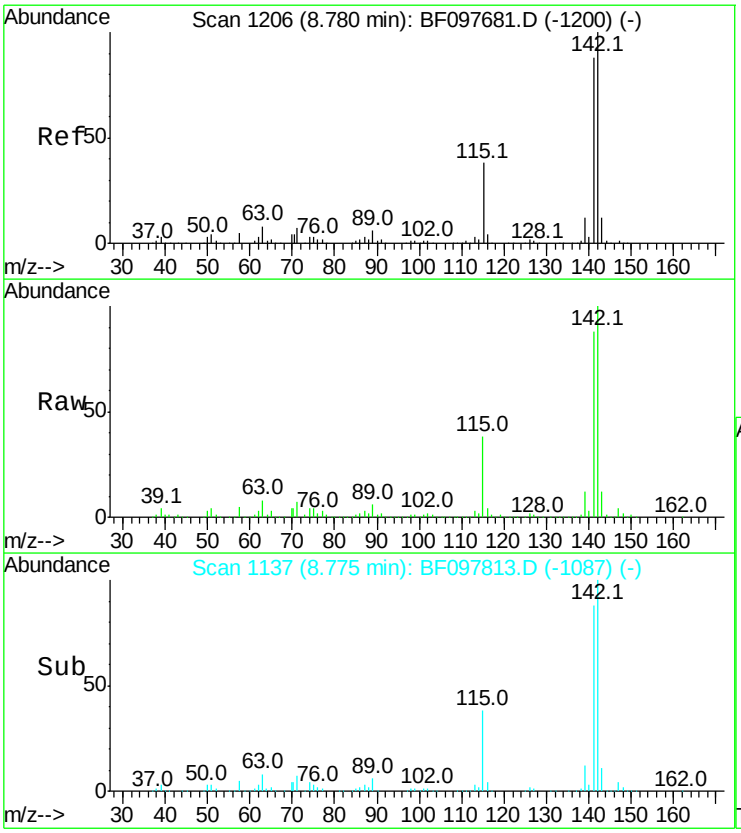

#32
Benzoic acid
Concen: 14.635 ng
RT: 7.83 min Scan# 977
Delta R.T. -0.01 min
Lab File: BF097813.D
Acq: 18 Aug 2017 4:35

**Instrument :**
BNA_F
**ClientSampleId :**
RMAB-MW-12-GW

Tgt Ion:122 Resp: 56612

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 129.7 | 103.3 | 143.3 |
| 77 | 123.6 | 73.7 | 113.7# |

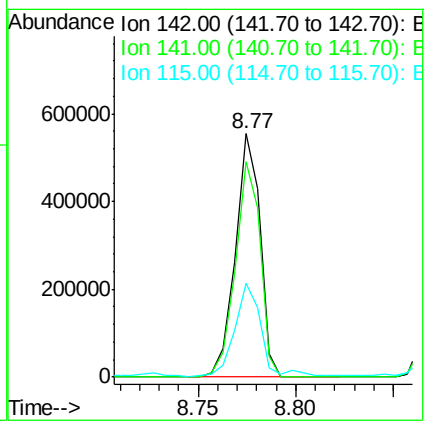


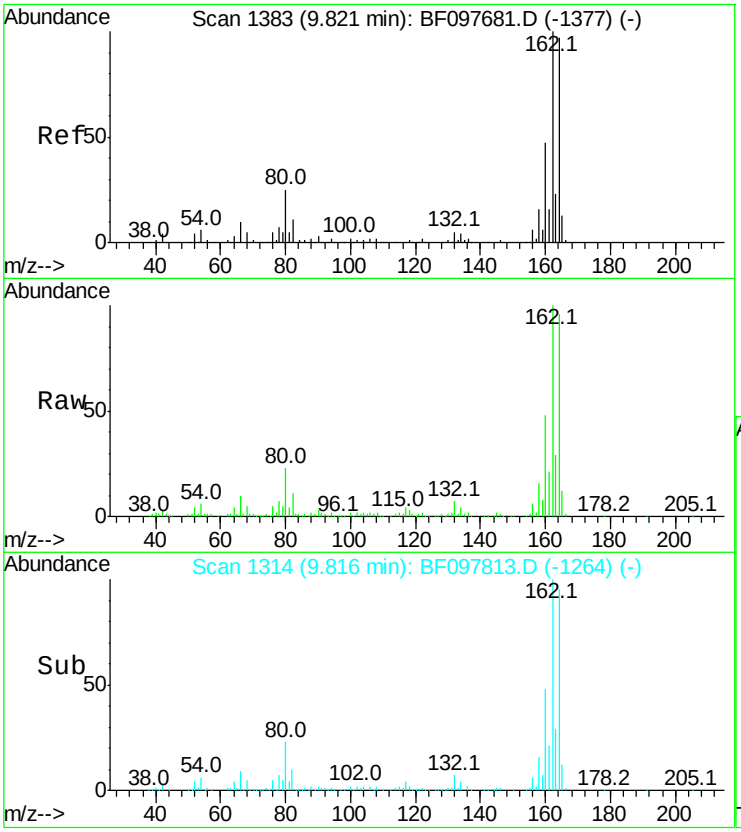




#37
2-Methylnaphthalene
Concen: 29.785 ng
RT: 8.77 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF097813.D
Acq: 18 Aug 2017 4:35

Tgt Ion:142 Resp: 485814

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 88.3 | 71.3 | 106.9 |
| 115 | 38.4 | 27.1 | 40.7 |



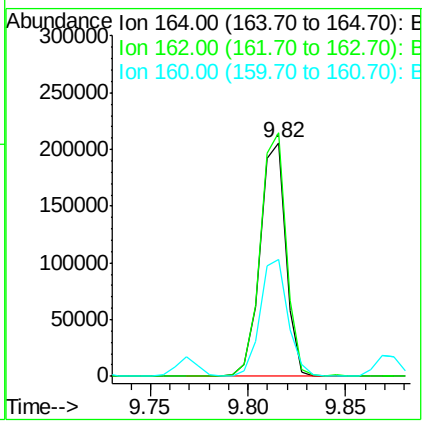


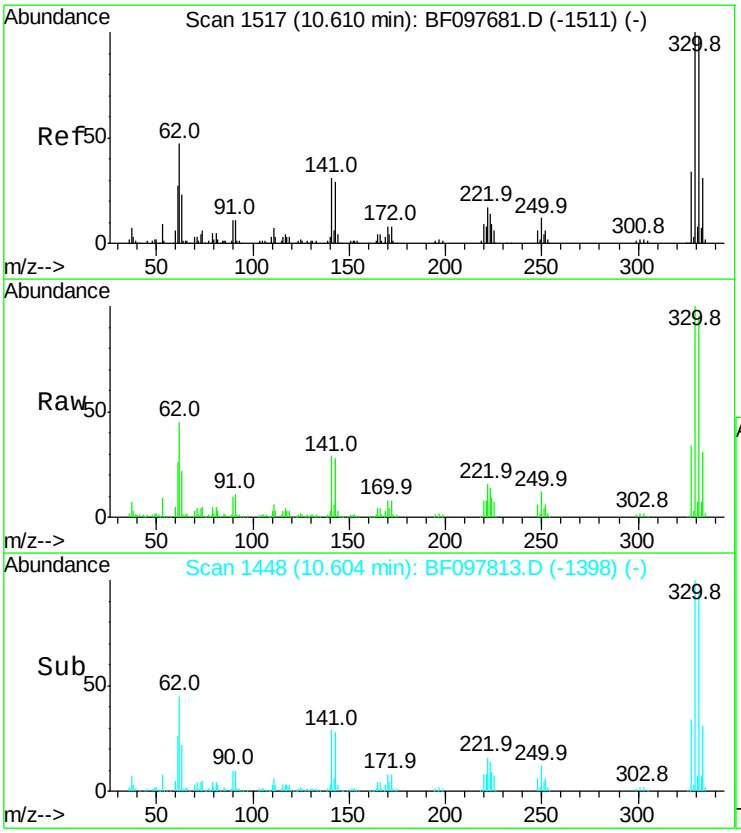

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BF097813.D
Acq: 18 Aug 2017 4:35

**Instrument :**
BNA_F
**ClientSampleId :**
RMAB-MW-12-GW

Tgt Ion:164 Resp: 187560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 104.2 | 82.6 | 123.8 |
| 160 | 50.3 | 36.2 | 54.2 |

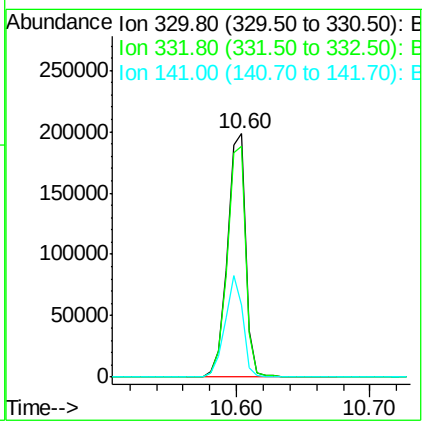


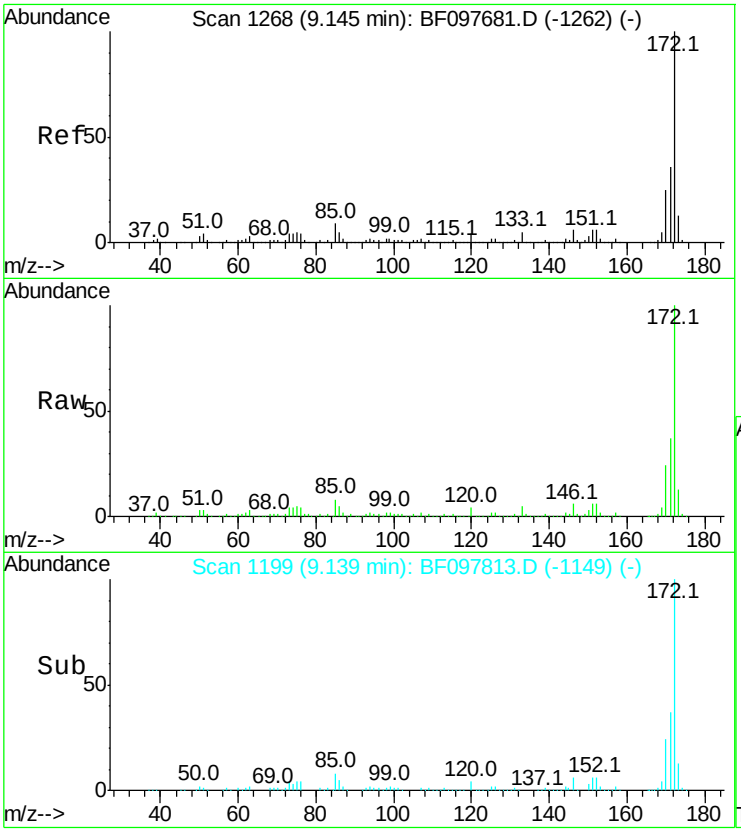




#41
2,4,6-Tribromophenol
Concen: 118.442 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF097813.D
Acq: 18 Aug 2017 4:35

Tgt Ion:330 Resp: 192752

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 95.6 | 76.6 | 115.0 |
| 141 | 40.7 | 31.4 | 47.2 |



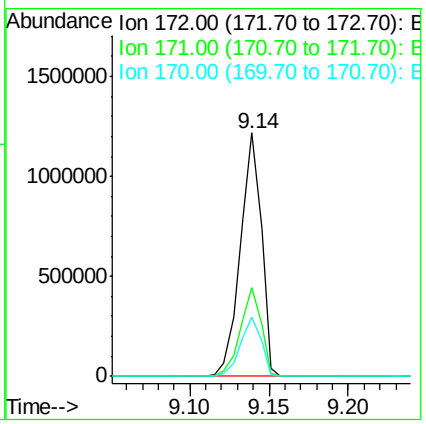


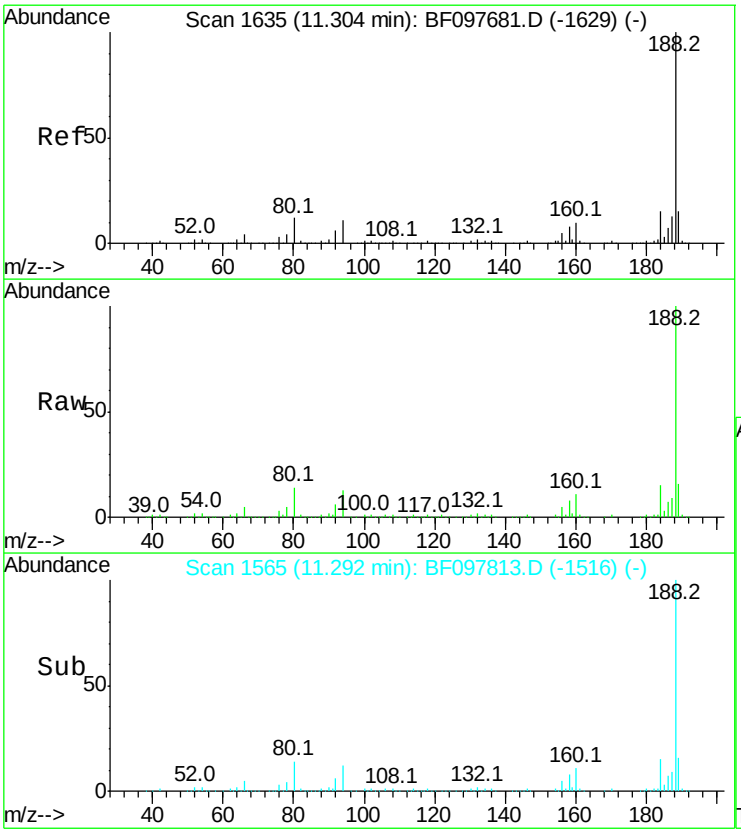

#44
2-Fluorobiphenyl
Concen: 87.222 ng
RT: 9.14 min Scan# 1199
Delta R.T. -0.01 min
Lab File: BF097813.D
Acq: 18 Aug 2017 4:35

**Instrument :**
BNA_F
**ClientSampleId :**
RMAB-MW-12-GW

Tgt Ion:172 Resp: 1113486

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.6 | 29.6 | 44.4 |
| 170 | 24.4 | 19.8 | 29.8 |

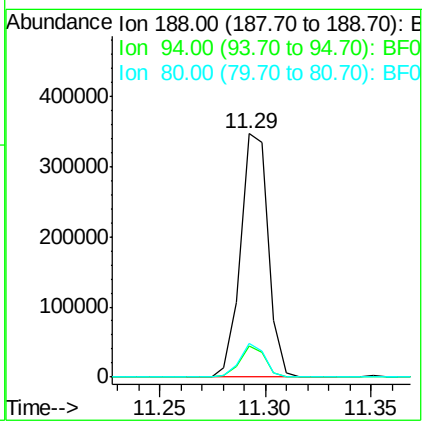


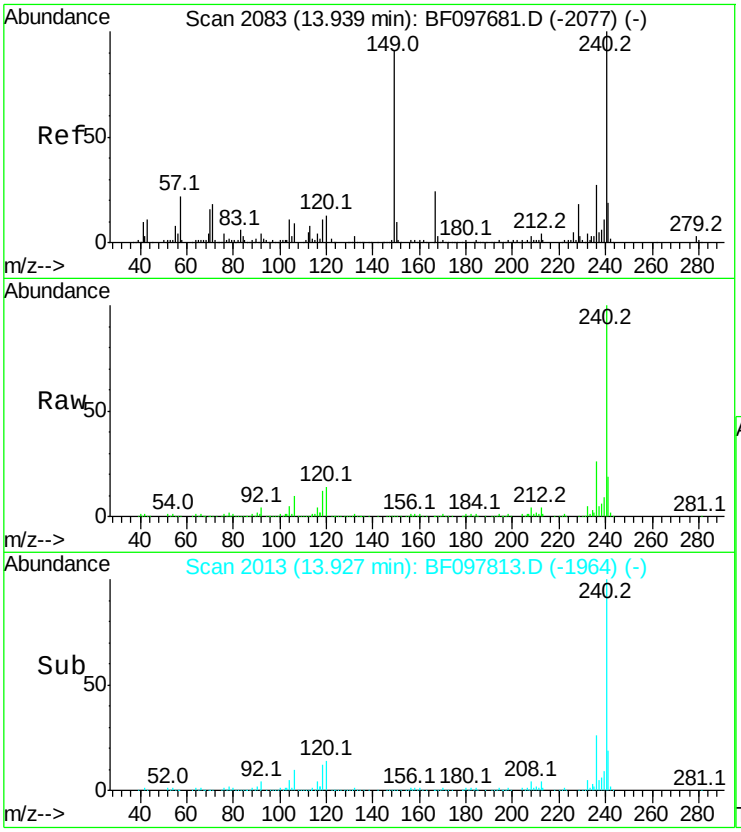




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF097813.D
Acq: 18 Aug 2017 4:35

Tgt Ion:188 Resp: 314338

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.6 | 9.4 | 14.2 |
| 80 | 13.8 | 10.2 | 15.2 |



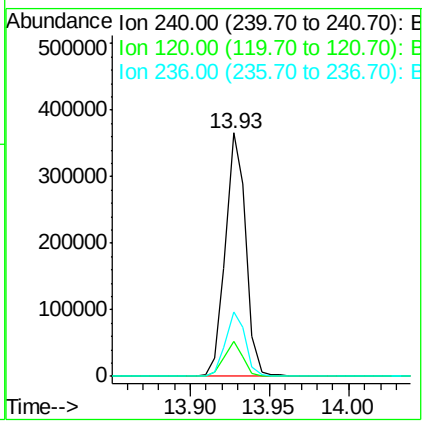


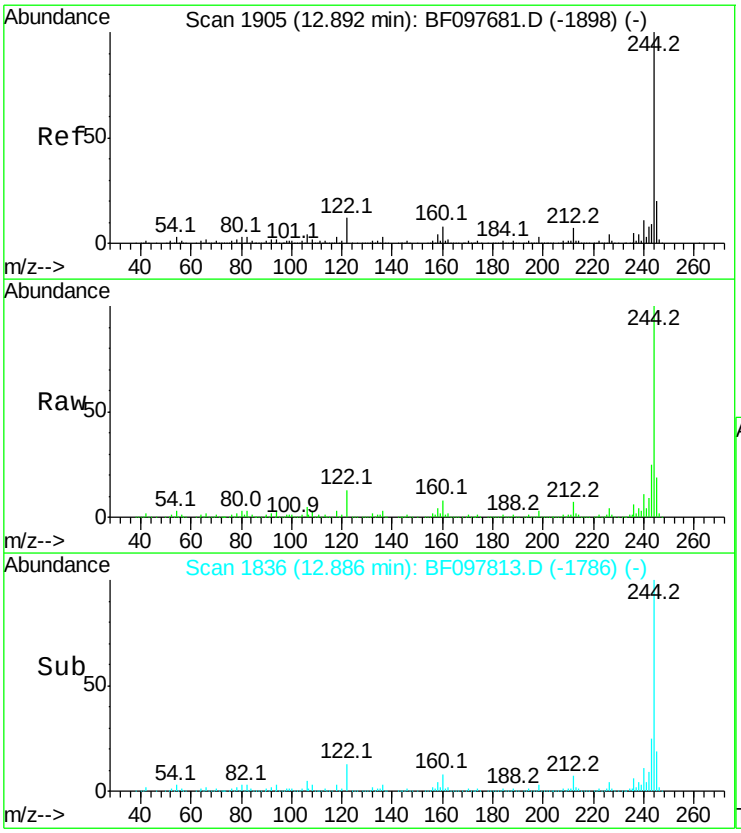

#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF097813.D
Acq: 18 Aug 2017 4:35

**Instrument :**
BNA_F
**ClientSampleId :**
RMAB-MW-12-GW

Tgt Ion:240 Resp: 325271

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 14.1 | 5.8 | 8.8# |
| 236 | 26.5 | 20.5 | 30.7 |

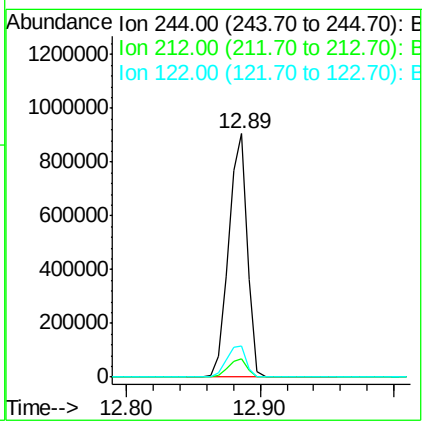


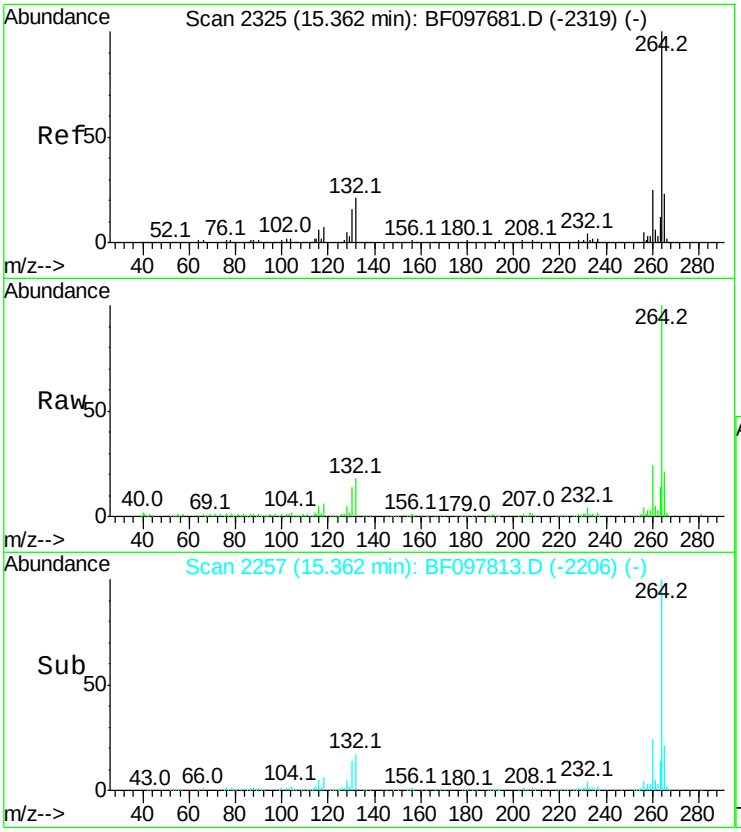




#78
Terphenyl-d14
Concen: 57.289 ng
RT: 12.89 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BF097813.D
Acq: 18 Aug 2017 4:35

Tgt Ion:244 Resp: 893589

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.5 | 6.0 | 9.0 |
| 122 | 12.9 | 10.3 | 15.5 |






#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097813.D
Acq: 18 Aug 2017 4:35

**Instrument :**
BNA_F
**ClientSampleId :**
RMAB-MW-12-GW

Tgt Ion:264 Resp: 227849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.3 | 19.5 | 29.3 |
| 265 | 20.5 | 17.2 | 25.8 |