Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012418\
Data File : BF102407.D
Acq On : 24 Jan 2018 23:14
Operator : SJ/JU
Sample : J1236-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** 20A-5

Quant Time: Jan 25 02:44:45 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 23 00:43:41 2018
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.73 | 152 | 105351 | 20.00 | ng | | 0.01 |
| 21) Naphthalene-d8 | 8.01 | 136 | 443493 | 20.00 | ng | | 0.01 |
| 38) Acenaphthene-d10 | 9.75 | 164 | 228959 | 20.00 | ng | | 0.00 |
| 63) Phenanthrene-d10 | 11.23 | 188 | 352045 | 20.00 | ng | | 0.00 |
| 75) Chrysene-d12 | 13.87 | 240 | 235908 | 20.00 | ng | | 0.00 |
| 86) Perylene-d12 | 15.30 | 264 | 242216 | 20.00 | ng | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.34 | 112 | 427838 | 61.58 | ng | | 0.02 |
| 7) Phenol-d6 | 6.37 | 99 | 947703 | 113.14 | ng | | 0.01 |
| 23) Nitrobenzene-d5 | 7.29 | 82 | 554044 | 71.79 | ng | | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.55 | 330 | 185248 | 81.66 | ng | | 0.00 |
| 44) 2-Fluorobiphenyl | 9.07 | 172 | 960939 | 61.71 | ng | | 0.00 |
| 78) Terphenyl-d14 | 12.82 | 244 | 679419 | 64.93 | ng | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 10) Phenol | 6.38 | 94 | 49763 | 5.442 | ng | | 87 |
| 17) 2-Methylphenol | 6.99 | 107 | 95174 | 15.046 | ng | # | 82 |
| 19) n-Nitroso-di-n-propylamine | 7.15 | 70 | 93792 | 18.297 | ng | # | 64 |
| 20) 3+4-Methylphenols | 7.14 | 107 | 142236 | 19.119 | ng | | 90 |
| 27) 2,4-Dimethylphenol | 7.67 | 122 | 45490 | 7.537 | ng | # | 54 |
| 31) Naphthalene | 8.03 | 128 | 1407161 | 63.549 | ng | | 99 |
| 32) Benzoic acid | 7.80 | 122 | 27945 | 5.526 | ng | # | 64 |
| 37) 2-Methylnaphthalene | 8.71 | 142 | 299620 | 20.318 | ng | | 98 |
| 49) Dimethylphthalate | 9.47 | 163 | 171940 | 9.085 | ng | | 99 |
| 69) Pentachlorophenol | 11.05 | 266 | 9699 | 4.356 | ng | | 95 |
| 73) Di-n-butylphthalate | 11.82 | 149 | 4417874 | 173.019 | ng | | 99 |
| 83) Bis(2-ethylhexyl)phthalate | 13.85 | 149 | 79739 | 6.537 | ng | # | 98 |

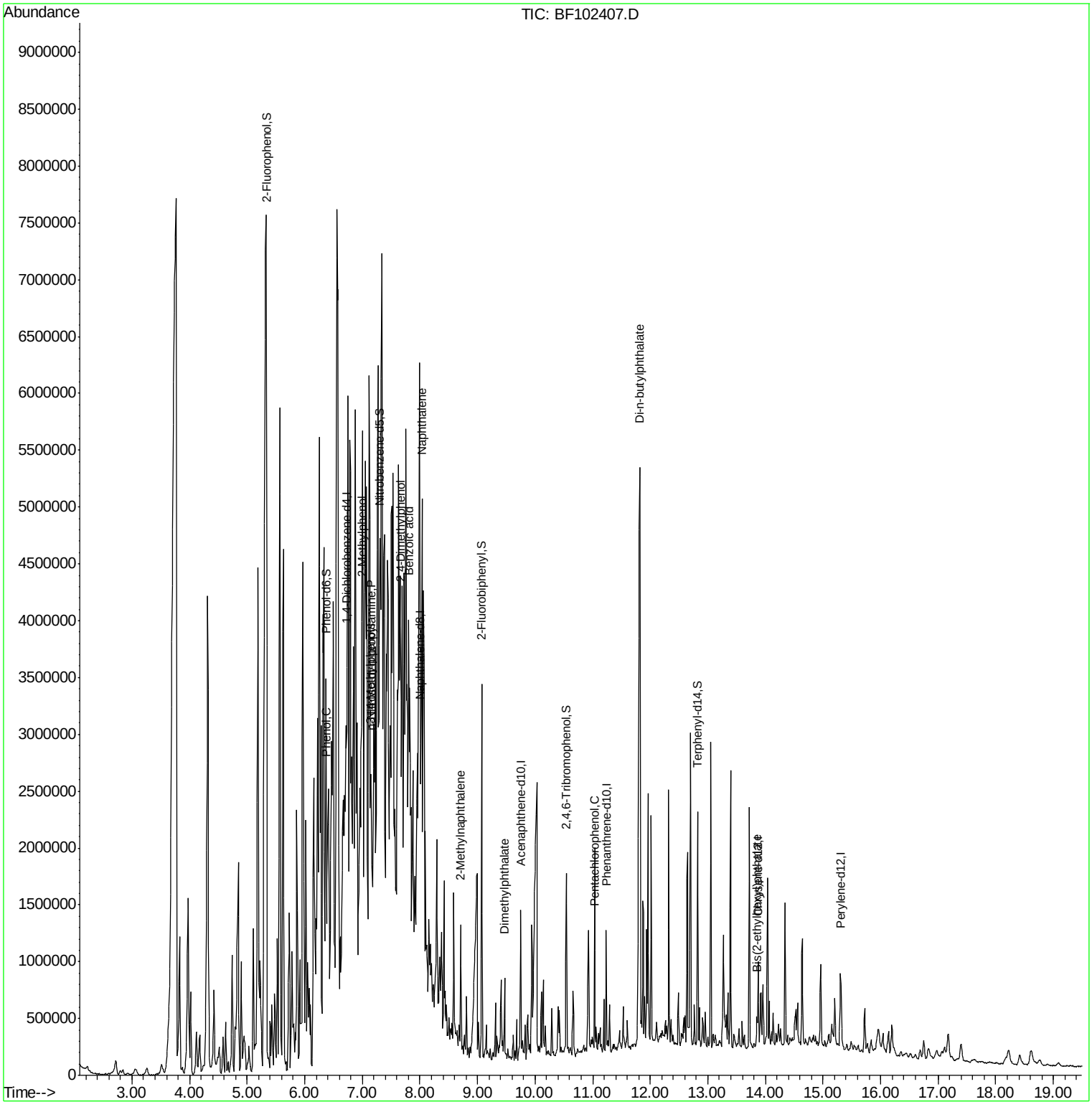
(#) = qualifier out of range (m) = manual integration (+) = signals summed

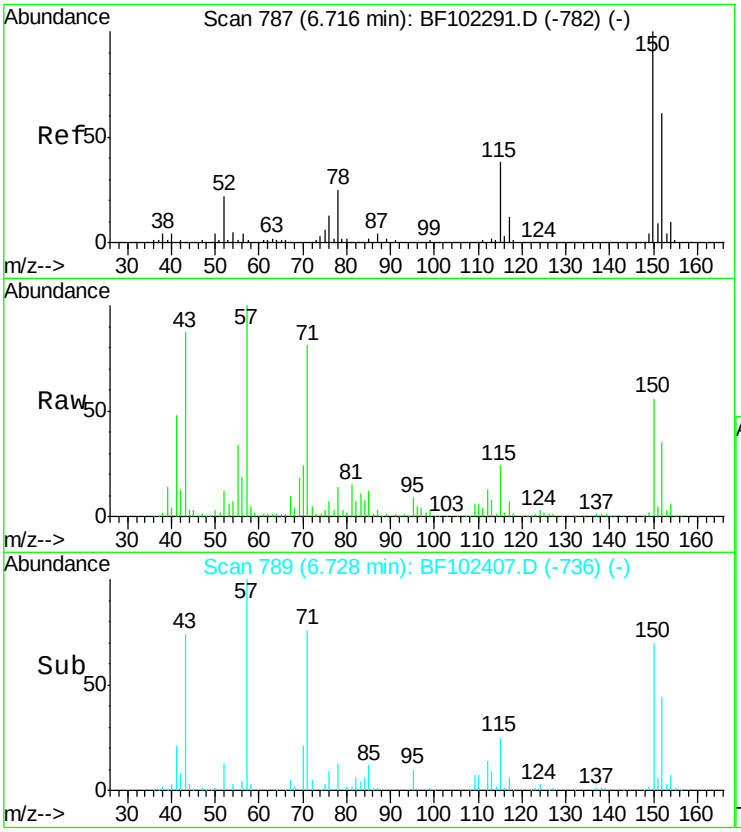
Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012418\
Data File : BF102407.D
Acq On : 24 Jan 2018 23:14
Operator : SJ/JU
Sample : J1236-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
20A-5

Quant Time: Jan 25 02:44:45 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 23 00:43:41 2018
Response via : Initial Calibration



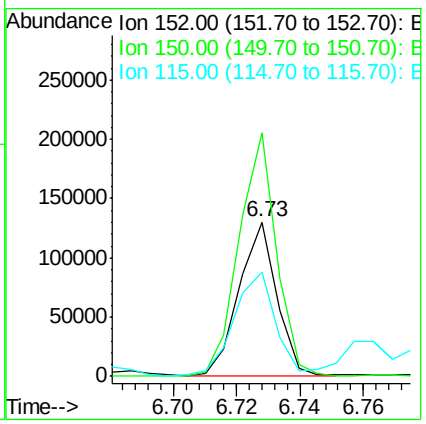


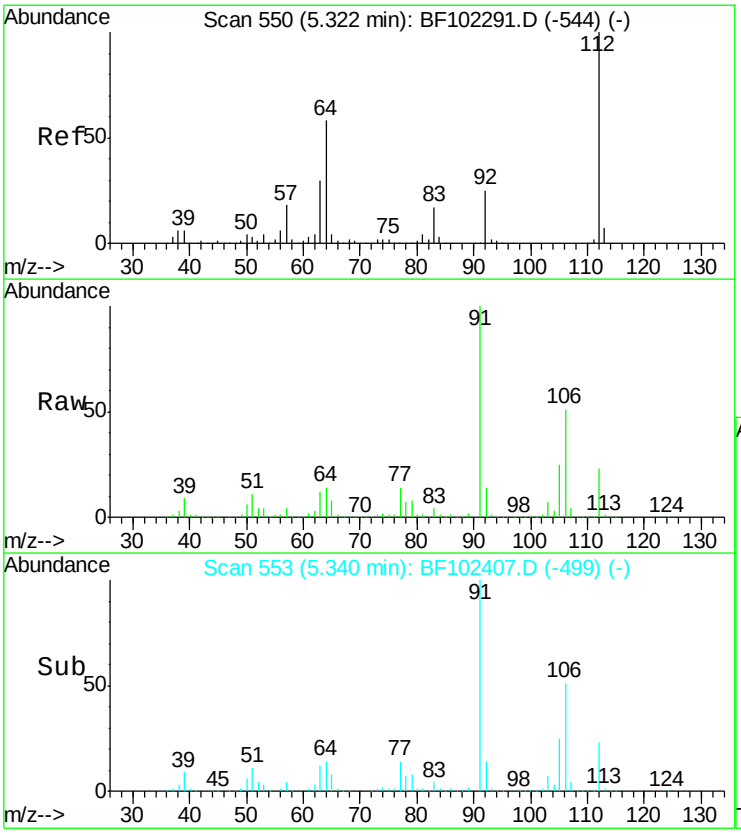

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. 0.01 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

**Instrument :**
BNA_F
**ClientSampleId :**
20A-5

Tgt Ion:152 Resp: 105351

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 158.1 | 124.6 | 186.8 |
| 115 | 67.8 | 50.1 | 75.1 |

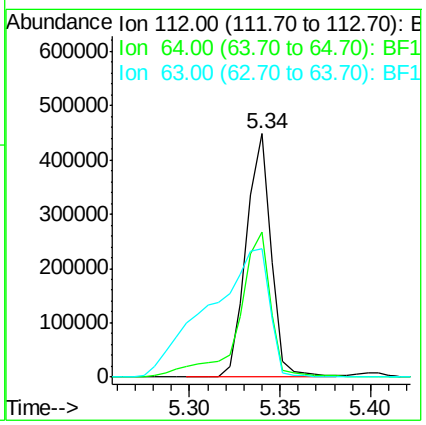


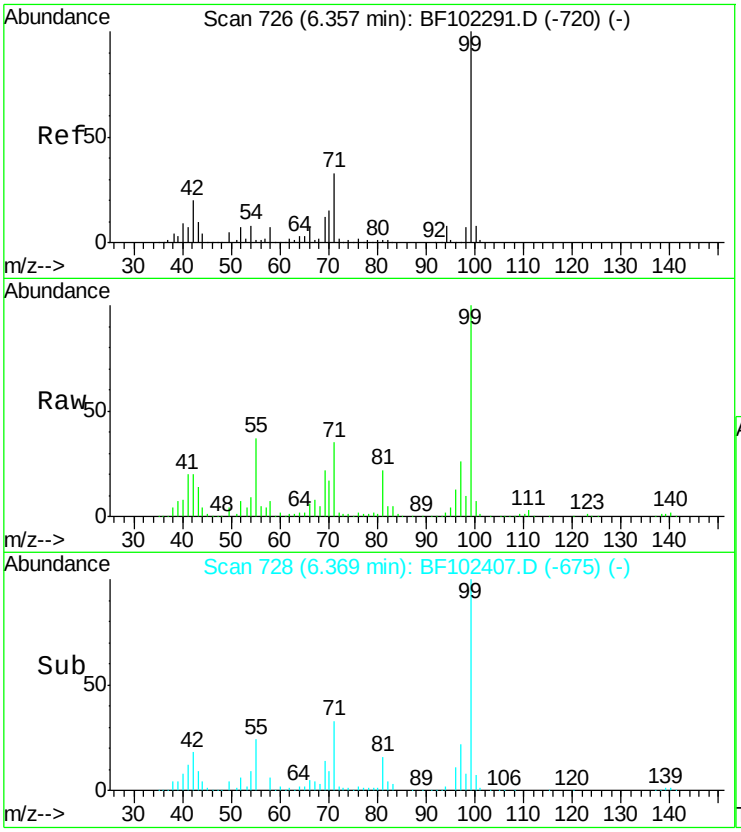




#5
2-Fluorophenol
Concen: 61.576 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.02 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

Tgt Ion:112 Resp: 427838

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 59.7 | 47.9 | 71.9 |
| 63 | 52.7 | 23.7 | 35.5# |



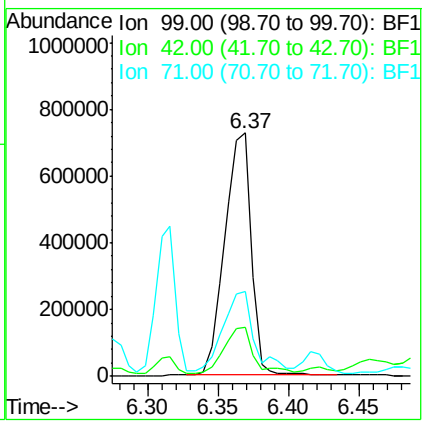


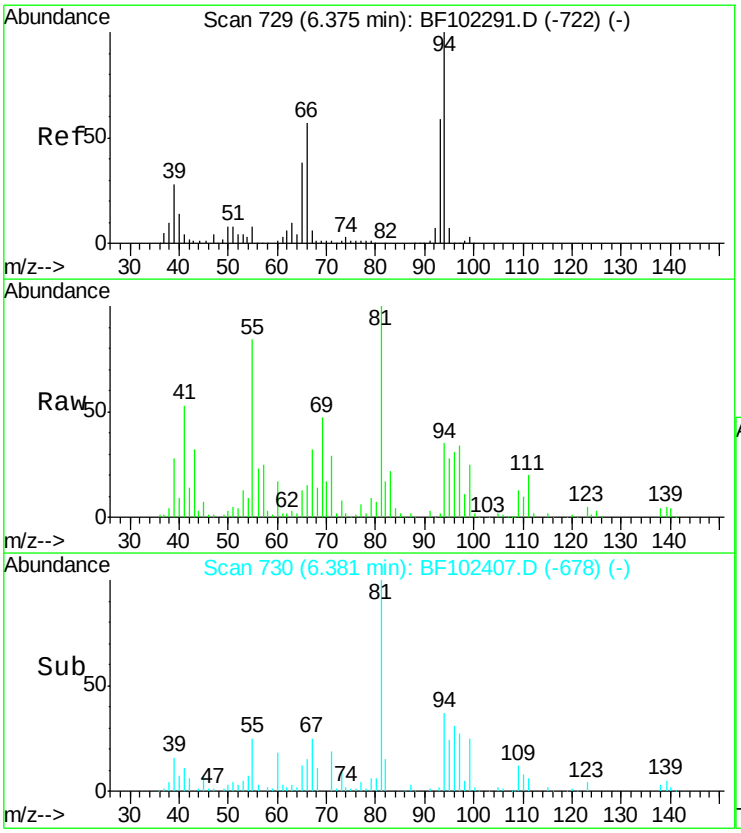

#7
Phenol-d6
Concen:  113.138 ng
RT: 6.37 min  Scan# 728
Delta R.T.  0.01 min
Lab File:  BF102407.D
Acq: 24 Jan 2018  23:14

**Instrument :**
BNA_F
**ClientSampleId :**
20A-5

Tgt Ion: 99 Resp:  947703

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 20.3 | 14.5 | 21.7 |
| 71 | 34.9 | 25.4 | 38.0 |

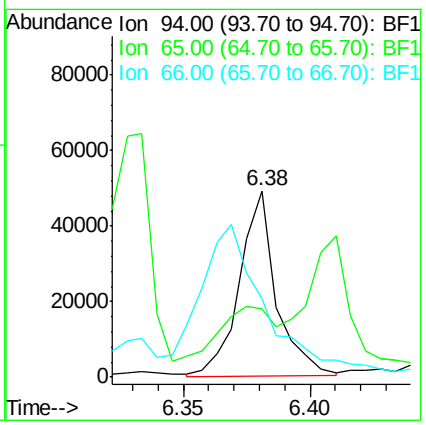


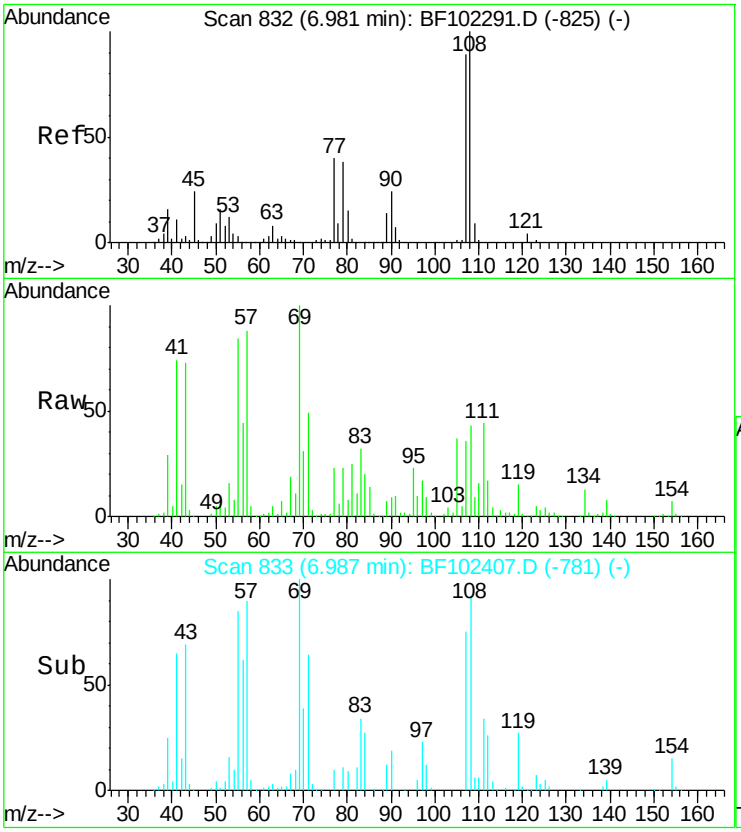




#10
Phenol
Concen:  5.442 ng
RT: 6.38 min  Scan# 730
Delta R.T.  0.01 min
Lab File:  BF102407.D
Acq: 24 Jan 2018  23:14

Tgt Ion: 94 Resp:  49763

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 94 | 100 | | |
| 65 | 36.6 | 7.9 | 47.9 |
| 66 | 42.0 | 16.2 | 56.2 |



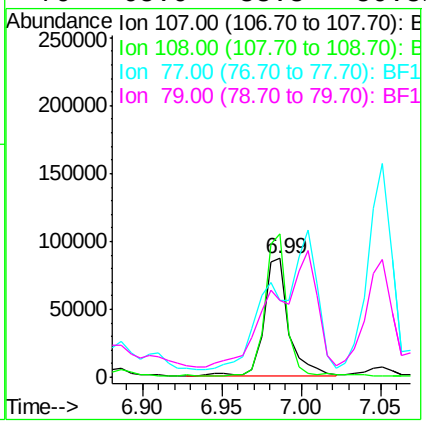


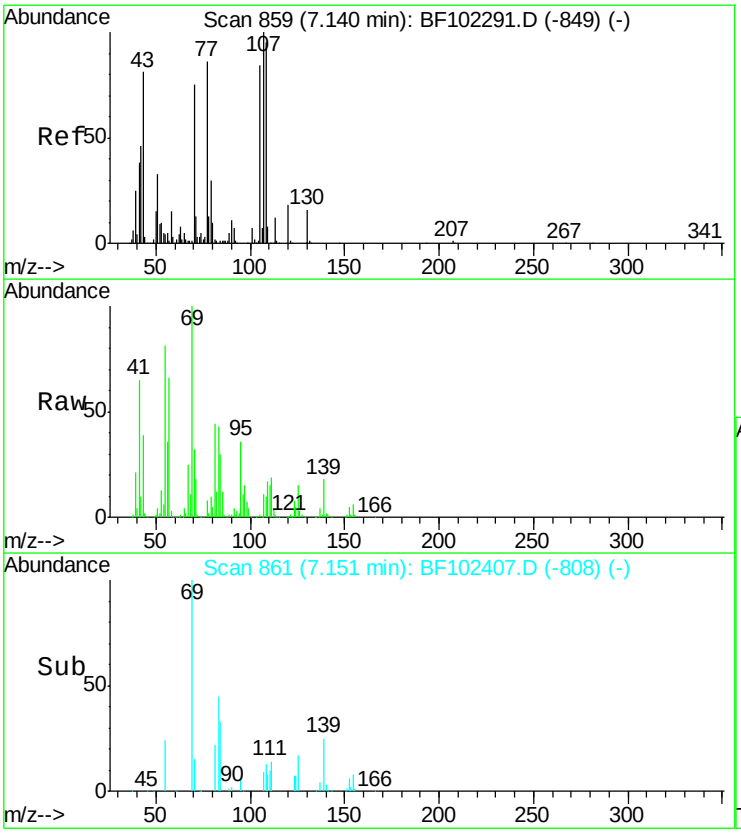

#17
2-Methylphenol
Concen: 15.046 ng
RT: 6.99 min Scan# 833
Delta R.T. 0.01 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

**Instrument :**
BNA_F
**ClientSampleId :**
20A-5

Tgt Ion:107 Resp: 95174

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 120.4 | 91.7 | 137.5 |
| 77 | 64.6 | 33.8 | 50.8# |
| 79 | 65.0 | 33.8 | 50.8# |

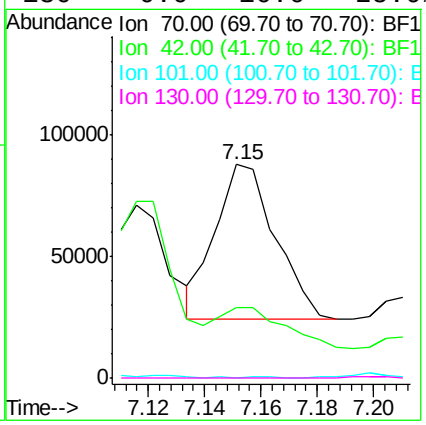


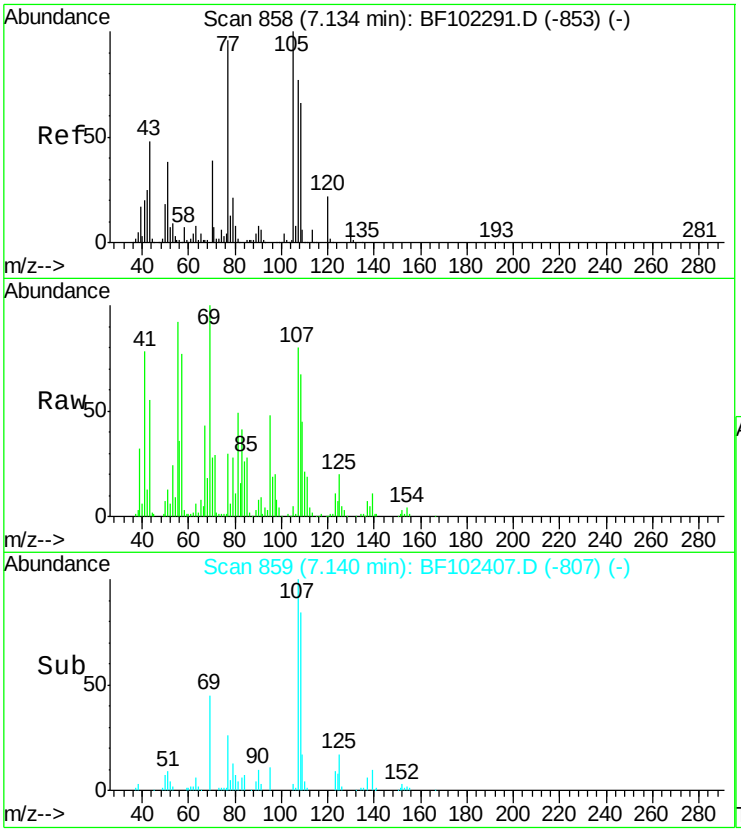




#19
n-Nitroso-di-n-propylamine
Concen: 18.297 ng
RT: 7.15 min Scan# 861
Delta R.T. 0.01 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

Tgt Ion: 70 Resp: 93792

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 33.2 | 47.5 | 71.3# |
| 101 | 0.0 | 7.4 | 11.2# |
| 130 | 0.0 | 16.6 | 25.0# |



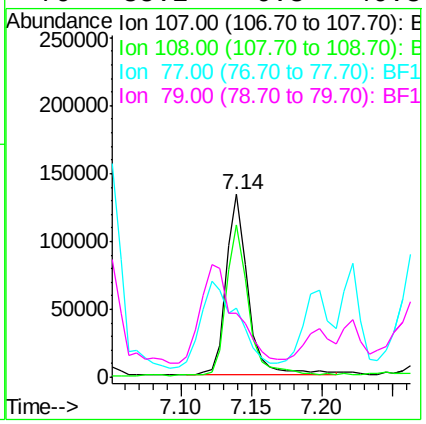


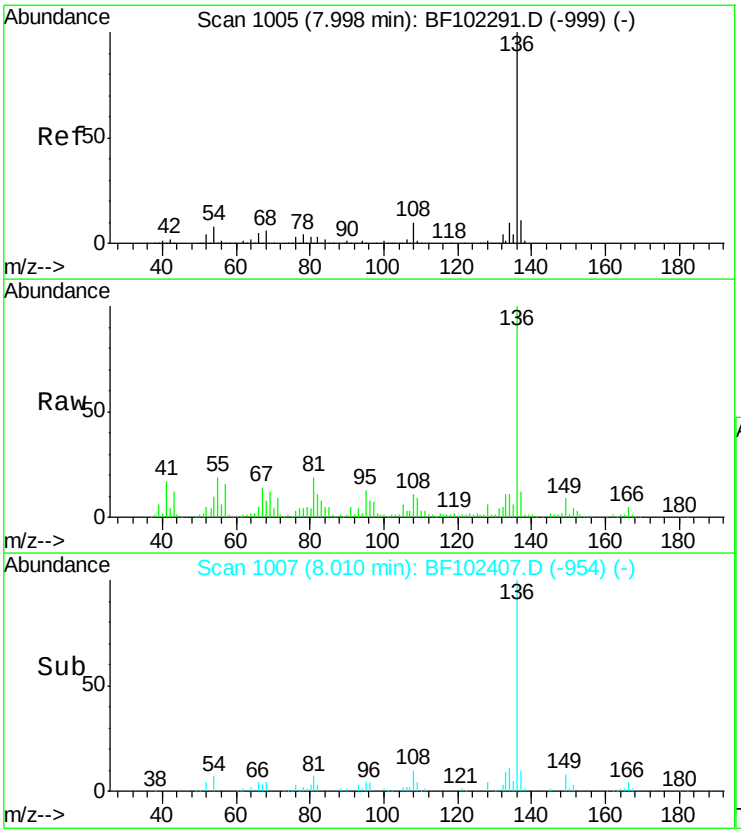

#20
3+4-Methylphenols
Concen: 19.119 ng
RT: 7.14 min Scan# 859
Delta R.T. 0.01 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

**Instrument :**
BNA_F
**ClientSampleId :**
20A-5

Tgt Ion:107 Resp: 142236

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 107 | 100 | | |
| 108 | 83.4 | 68.2 | 108.2 |
| 77 | 37.6 | 26.7 | 66.7 |
| 79 | 35.2 | 6.3 | 46.3 |

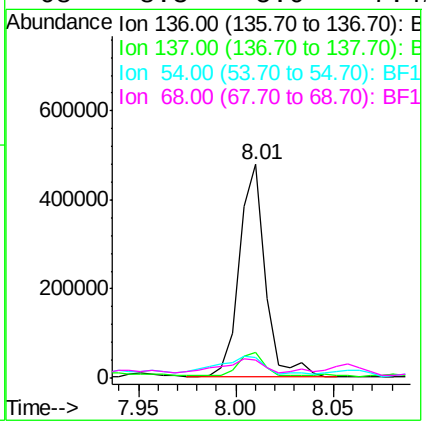


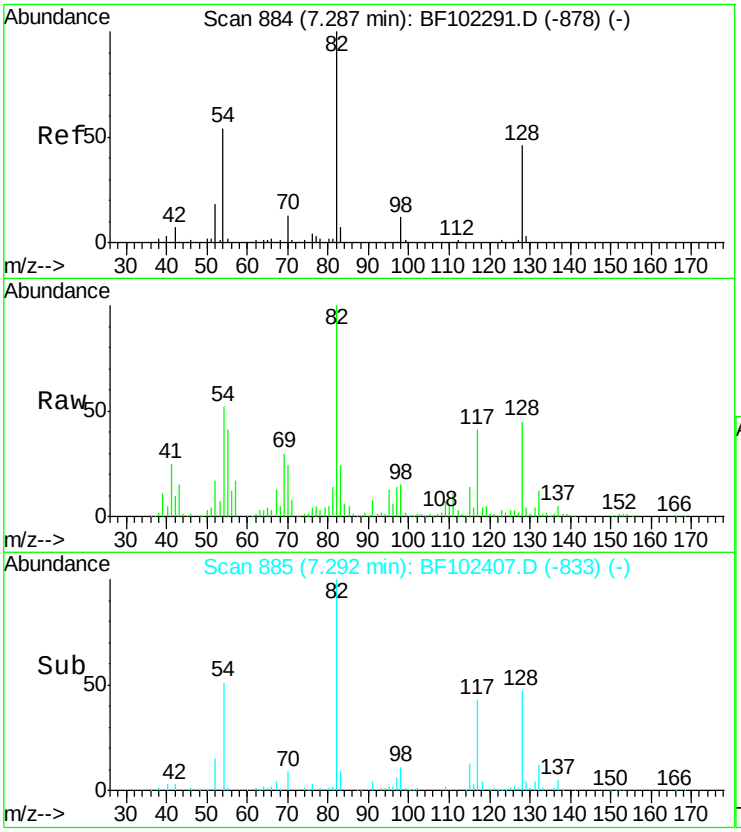




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.01 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

Tgt Ion:136 Resp: 443493

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 11.9 | 8.9 | 13.3 |
| 54 | 9.8 | 6.6 | 9.8 |
| 68 | 8.3 | 5.0 | 7.4# |



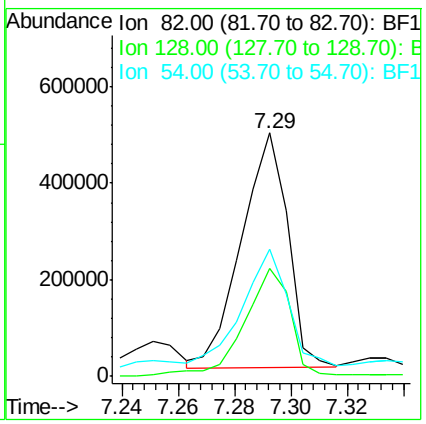


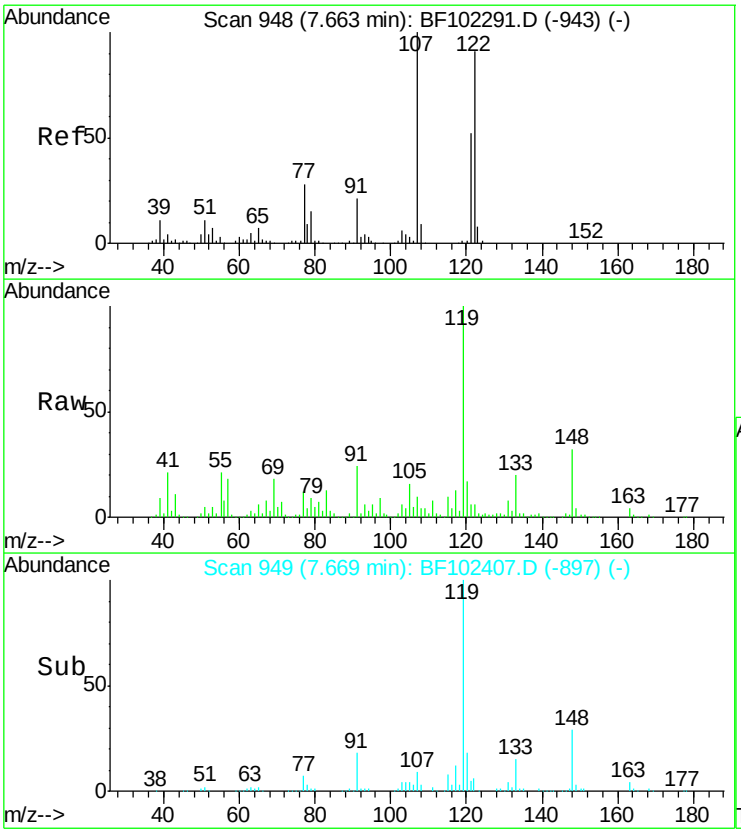

#23
Nitrobenzene-d5
Concen: 71.792 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.01 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

**Instrument :**
BNA_F
**ClientSampleId :**
20A-5

Tgt Ion: 82 Resp: 554044

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 44.5 | 36.1 | 54.1 |
| 54 | 52.1 | 41.4 | 62.2 |

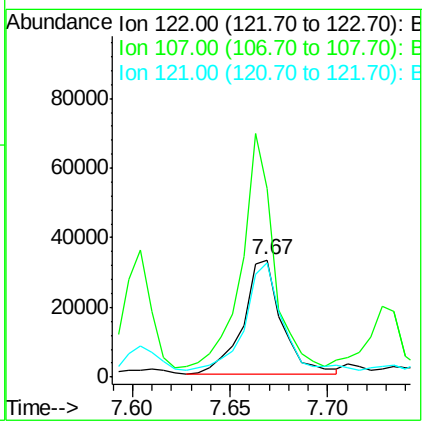


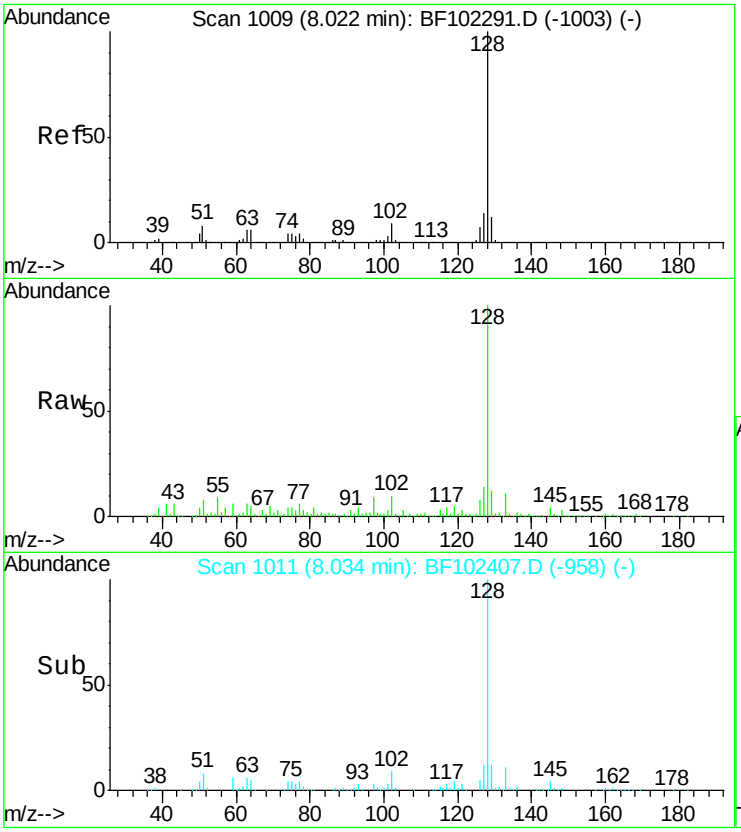




#27
2,4-Dimethylphenol
Concen: 7.537 ng
RT: 7.67 min Scan# 949
Delta R.T. 0.01 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

Tgt Ion:122 Resp: 45490

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 107 | 161.6 | 91.2 | 136.8# |
| 121 | 97.2 | 47.2 | 70.8# |



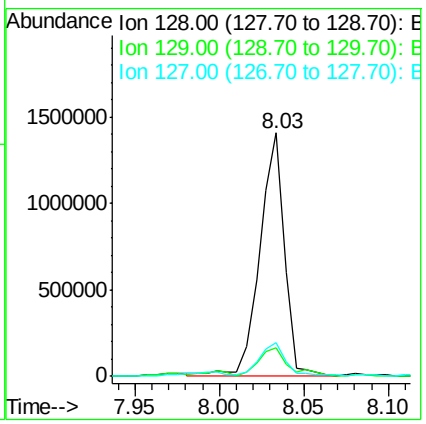


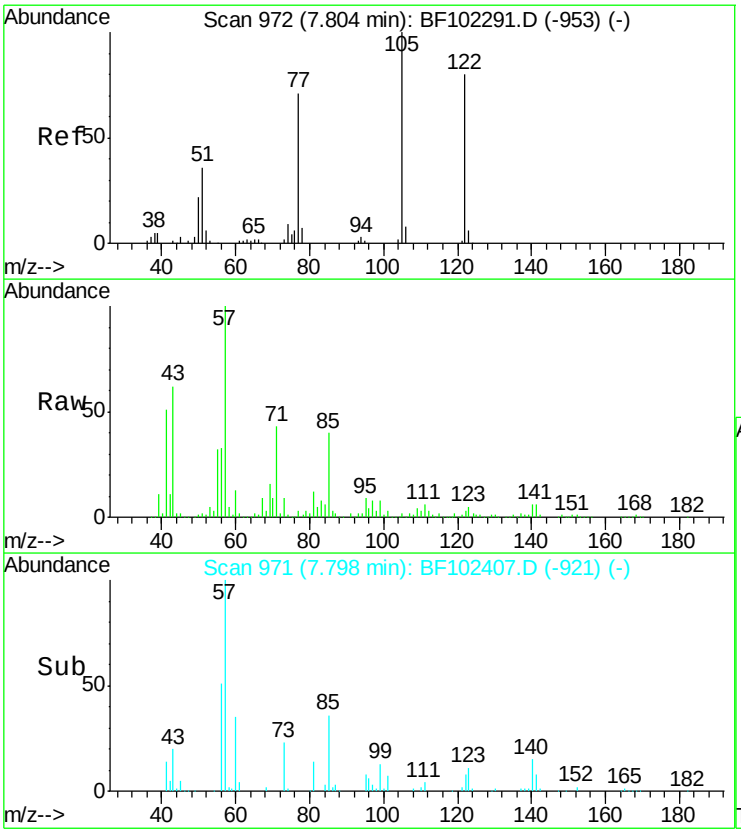

#31
Naphthalene
Concen: 63.549 ng
RT: 8.03 min Scan# 1011
Delta R.T. 0.01 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

**Instrument :**
BNA_F
**ClientSampleId :**
20A-5

Tgt Ion:128 Resp: 1407161

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.0 | 8.8 | 13.2 |
| 127 | 13.8 | 10.9 | 16.3 |

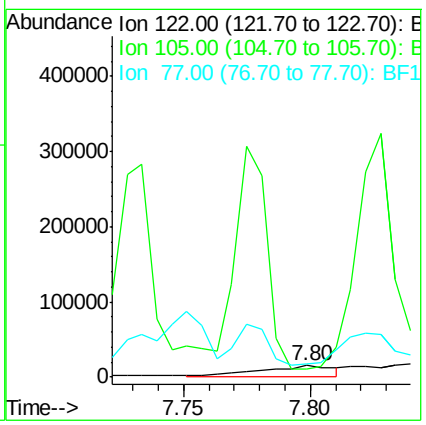


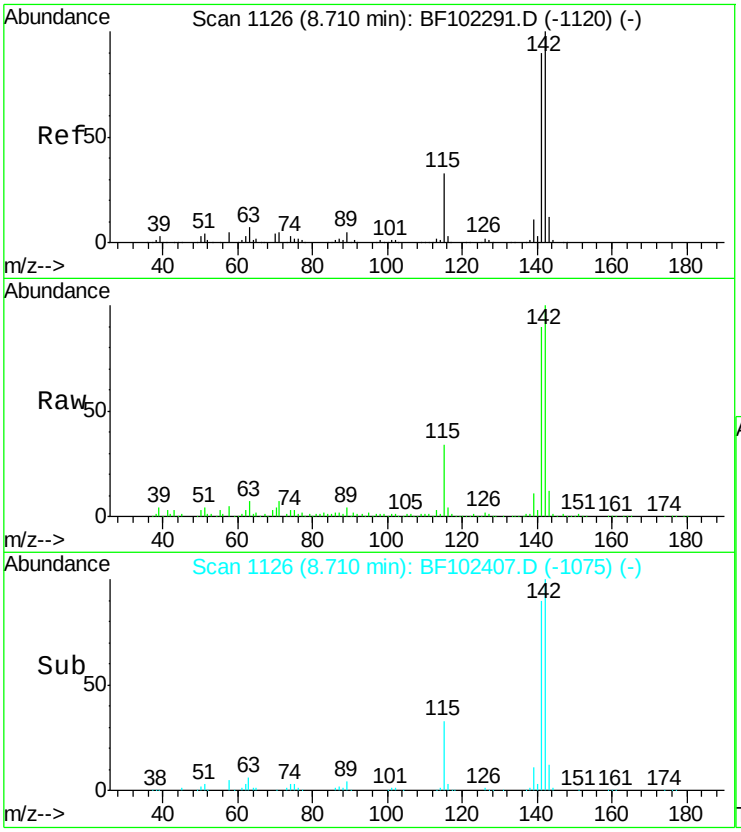




#32
Benzoic acid
Concen: 5.526 ng
RT: 7.80 min Scan# 971
Delta R.T. -0.01 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

Tgt Ion:122 Resp: 27945

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 122 | 100 | | |
| 105 | 66.6 | 101.1 | 141.1# |
| 77 | 109.0 | 70.7 | 110.7 |



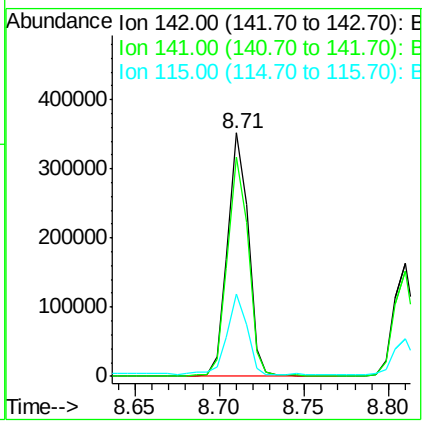


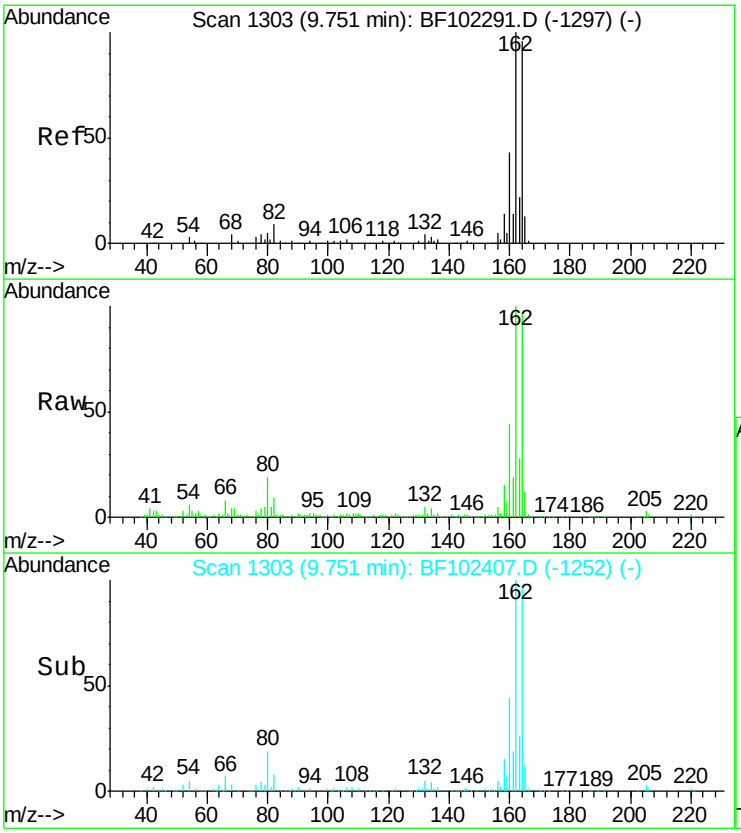

#37
2-Methylnaphthalene
Concen: 20.318 ng
RT: 8.71 min Scan# 1126
Delta R.T. -0.00 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

**Instrument :**
BNA_F
**ClientSampleId :**
20A-5

Tgt Ion:142 Resp: 299620

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 90.1 | 70.8 | 106.2 |
| 115 | 33.7 | 26.1 | 39.1 |

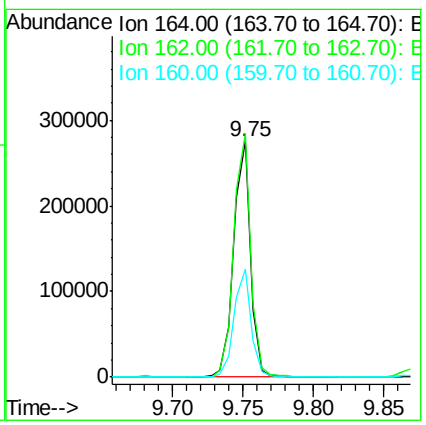


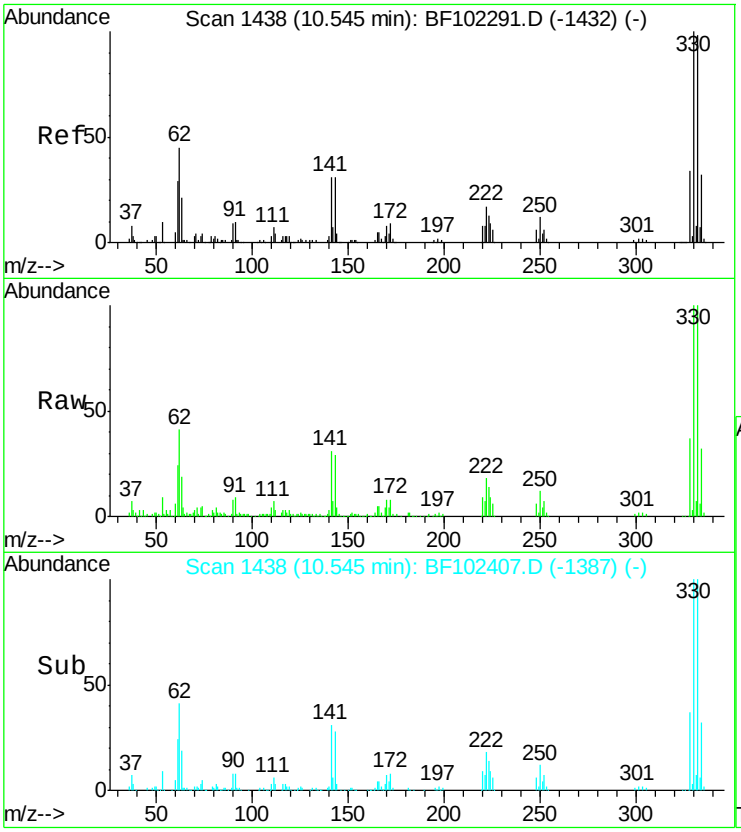




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

Tgt Ion:164 Resp: 228959

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.3 | 86.1 | 129.1 |
| 160 | 45.8 | 38.3 | 57.5 |



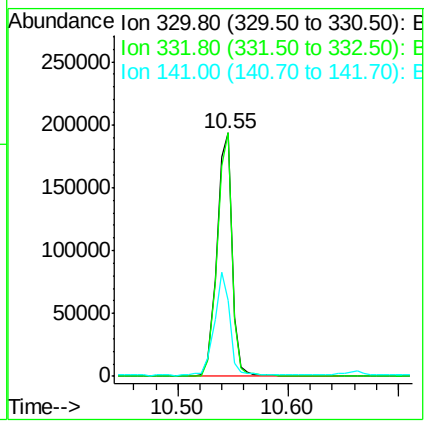


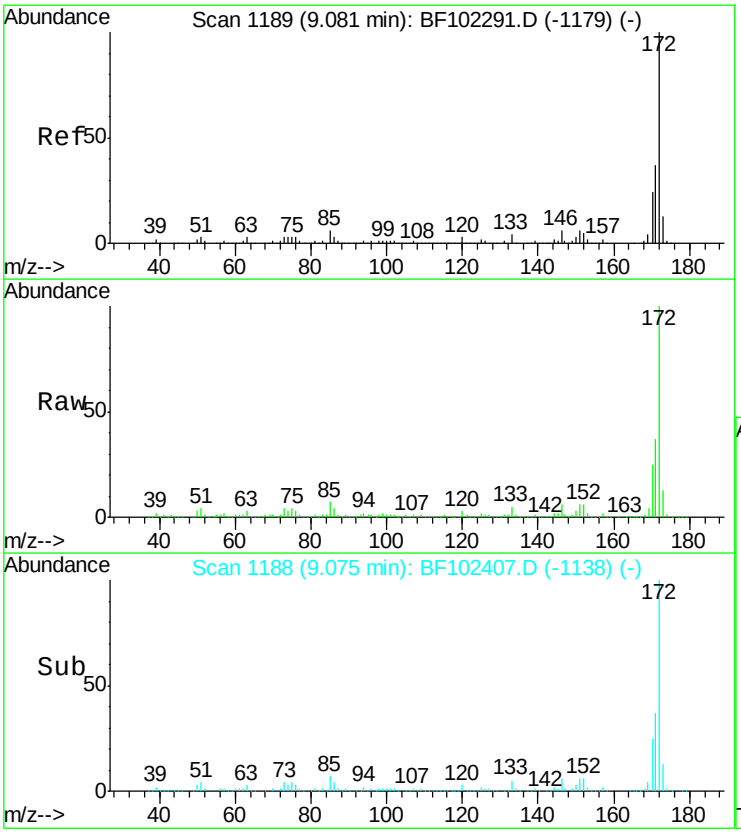

#41
2,4,6-Tribromophenol
Concen: 81.655 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

**Instrument :**
BNA_F
**ClientSampleId :**
20A-5

Tgt Ion:330 Resp: 185248

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.4 | 77.0 | 115.6 |
| 141 | 42.6 | 29.9 | 44.9 |

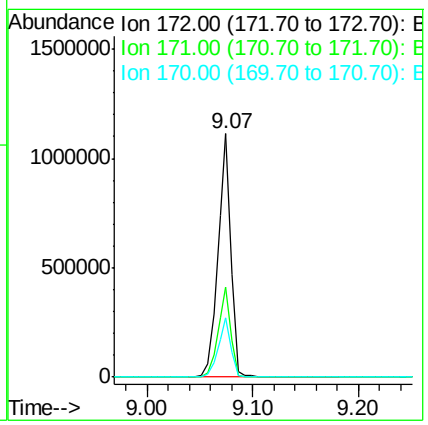


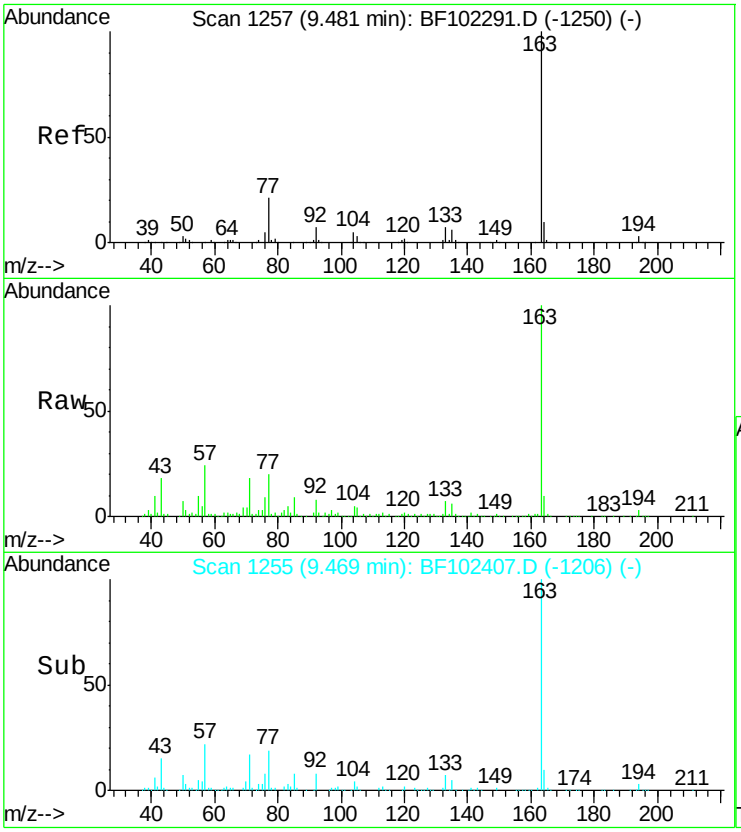




#44
2-Fluorobiphenyl
Concen: 61.711 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

Tgt Ion:172 Resp: 960939

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.9 | 29.7 | 44.5 |
| 170 | 24.6 | 19.6 | 29.4 |



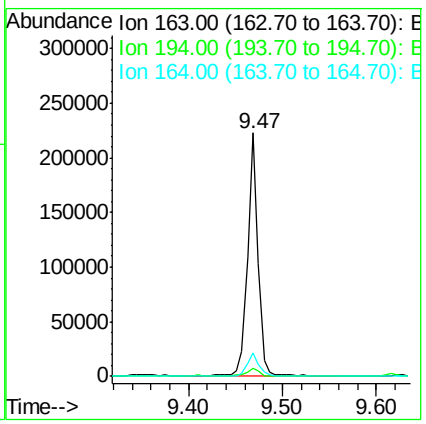


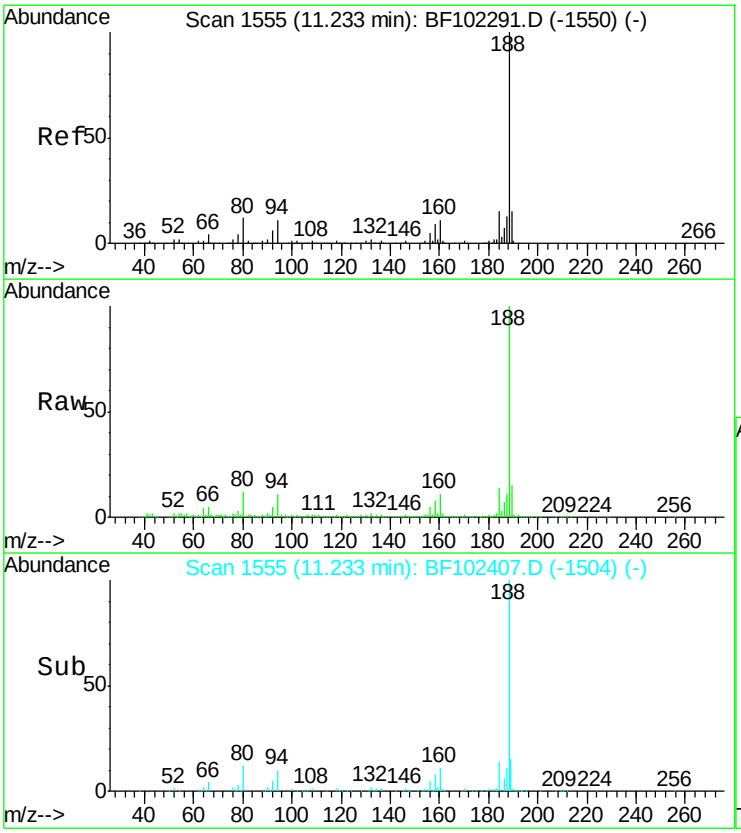

#49
Dimethylphthalate
Concen: 9.085 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

**Instrument :**
BNA_F
**ClientSampleId :**
20A-5

Tgt Ion:163 Resp: 171940

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 3.1 | 2.7 | 4.1 |
| 164 | 9.8 | 8.2 | 12.2 |

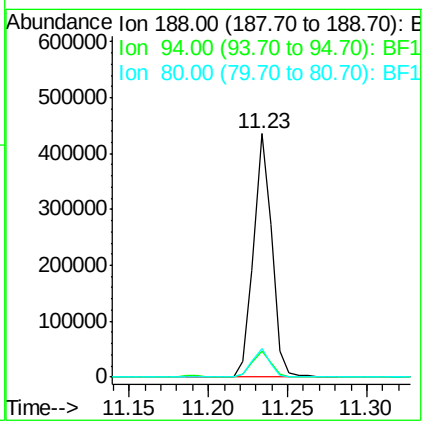


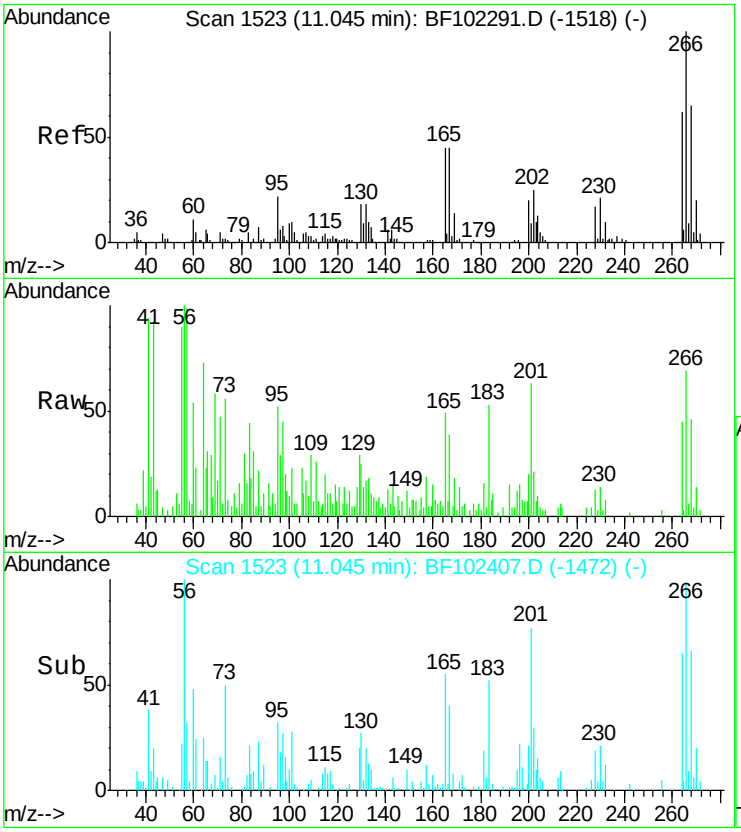




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.00 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

Tgt Ion:188 Resp: 352045

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 10.6 | 8.5 | 12.7 |
| 80 | 11.9 | 9.2 | 13.8 |



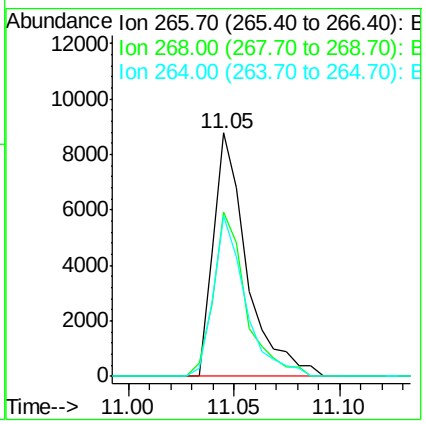


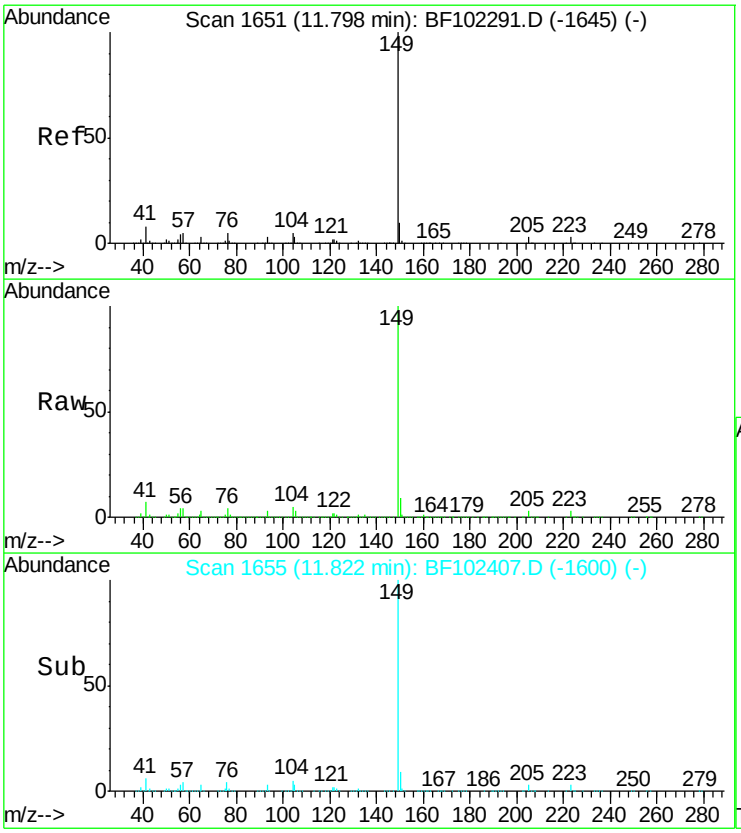

#69
Pentachlorophenol
Concen: 4.356 ng
RT: 11.05 min Scan# 1523
Delta R.T. -0.00 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

**Instrument :**
BNA_F
**ClientSampleId :**
20A-5

Tgt Ion:266 Resp: 9699

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 266 | 100 | | |
| 268 | 67.4 | 51.1 | 76.7 |
| 264 | 66.0 | 49.5 | 74.3 |

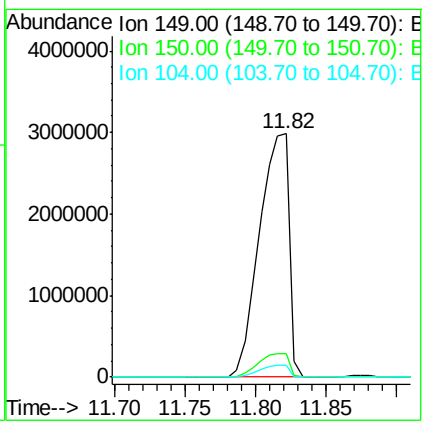


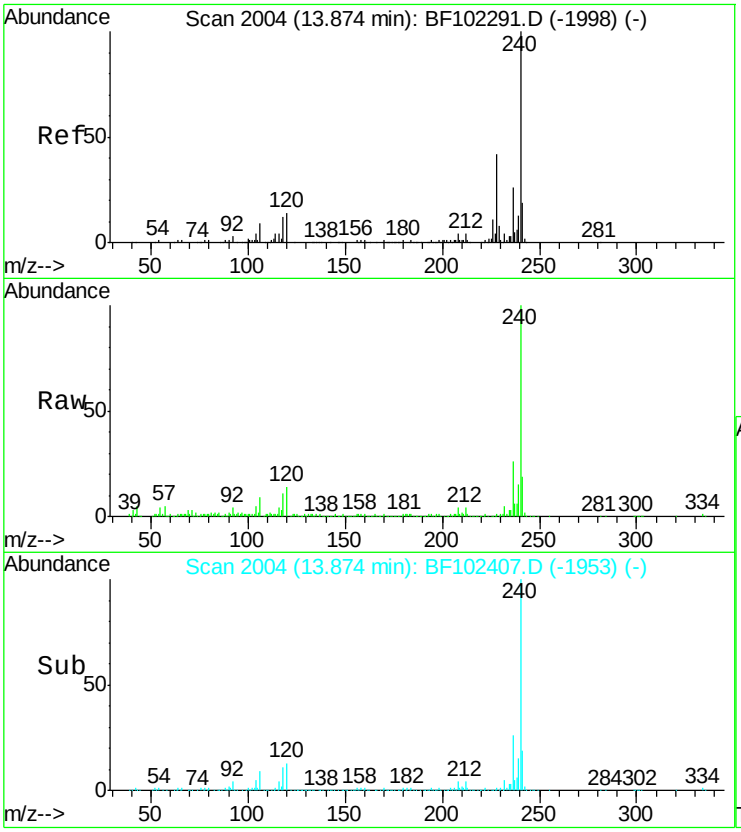




#73
Di-n-butylphthalate
Concen: 173.019 ng
RT: 11.82 min Scan# 1655
Delta R.T. 0.02 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

Tgt Ion:149 Resp: 4417874

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 150 | 9.4 | 7.8 | 11.6 |
| 104 | 4.8 | 3.8 | 5.8 |



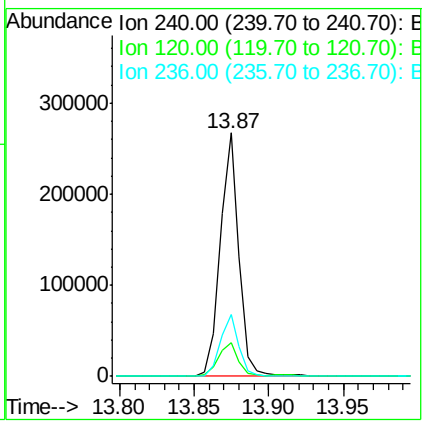


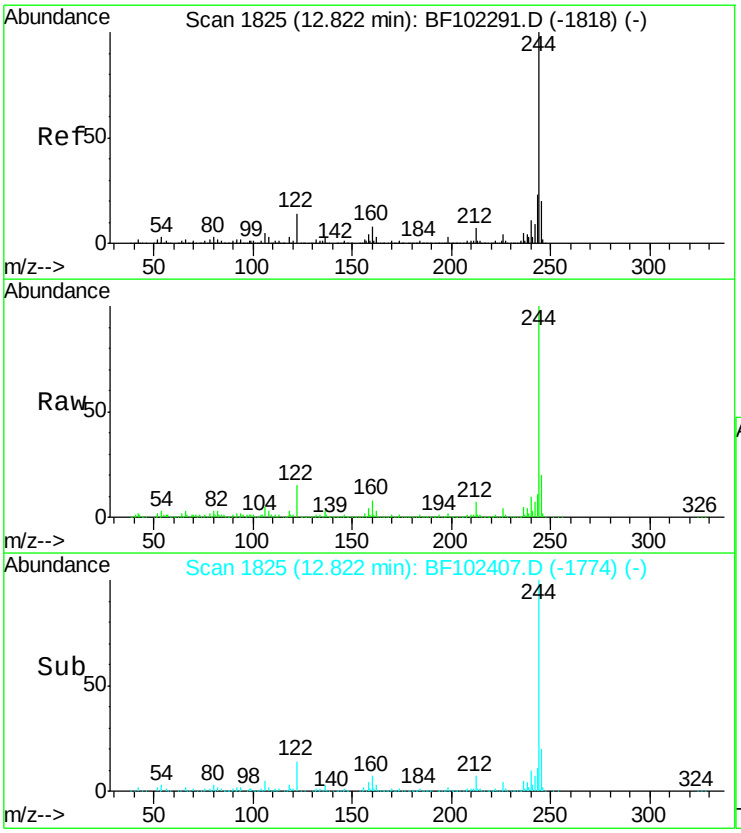

#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

**Instrument :**
BNA_F
**ClientSampleId :**
20A-5

Tgt Ion:240 Resp: 235908

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 13.7 | 9.5 | 14.3 |
| 236 | 25.6 | 20.7 | 31.1 |

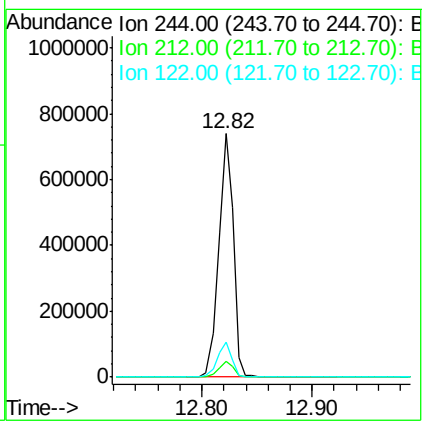


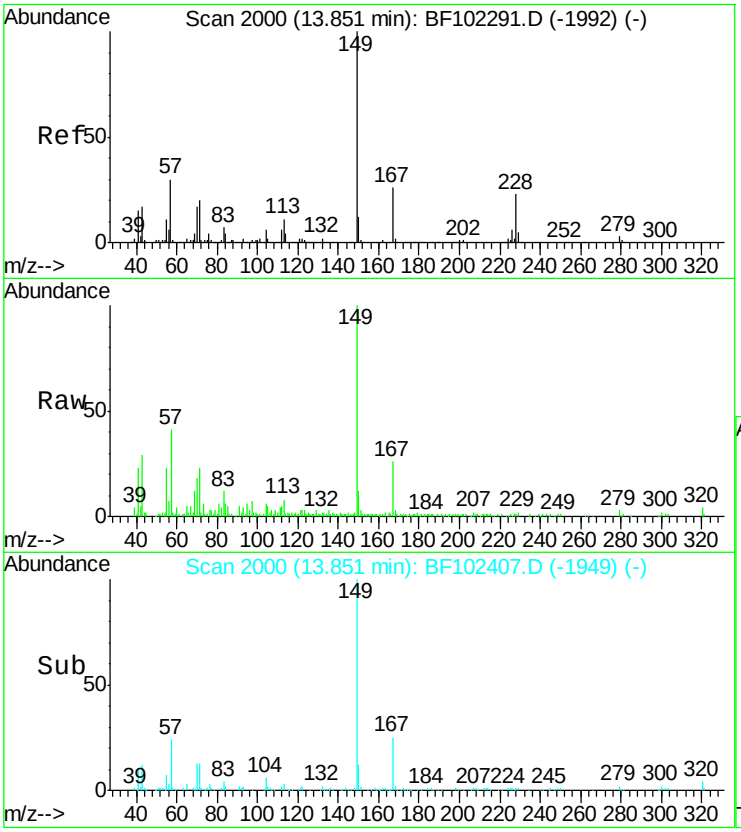




#78
Terphenyl-d14
Concen: 64.926 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

Tgt Ion:244 Resp: 679419

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 6.7 | 5.4 | 8.0 |
| 122 | 14.6 | 11.0 | 16.4 |



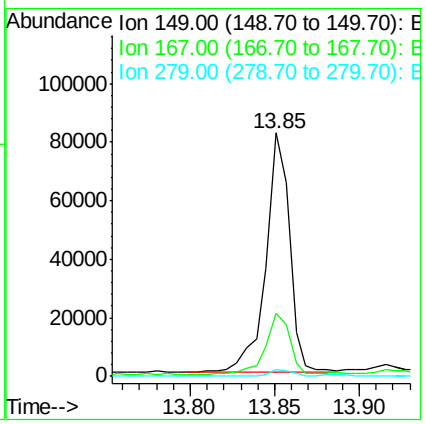


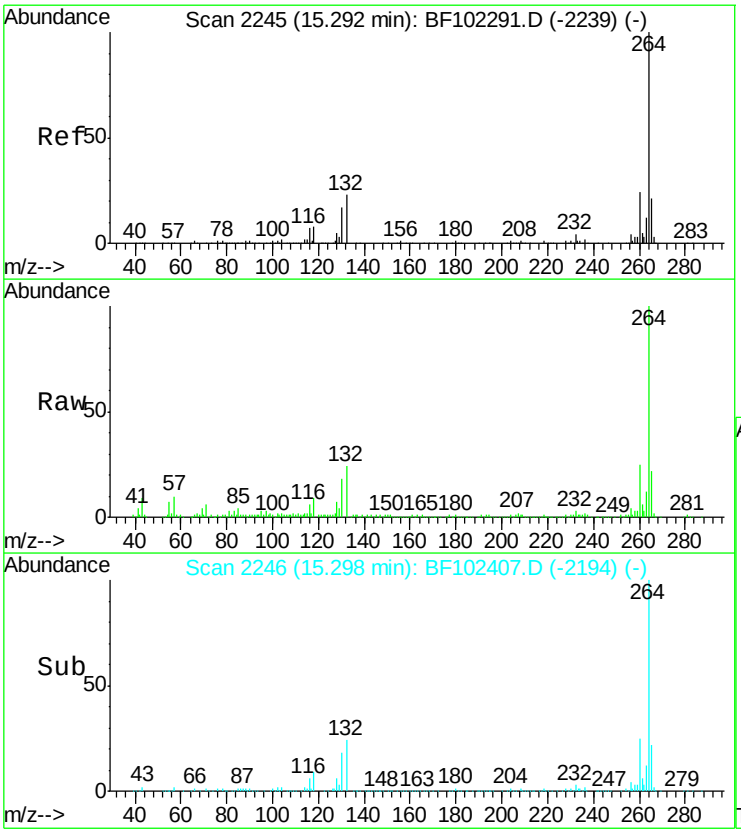

#83
Bis(2-ethylhexyl)phthalate
Concen: 6.537 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.00 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

**Instrument :**
BNA_F
**ClientSampleId :**
20A-5

Tgt Ion:149 Resp: 79739

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 149 | 100 | | |
| 167 | 25.7 | 21.3 | 31.9 |
| 279 | 2.7 | 3.0 | 4.4# |




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF102407.D
Acq: 24 Jan 2018 23:14

Tgt Ion:264 Resp: 242216

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 24.9 | 19.2 | 28.8 |
| 265 | 21.8 | 17.5 | 26.3 |