Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
Data File : BF098081.D
Acq On : 28 Aug 2017 22:15
Operator : SJ/JU
Sample : I4946-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** VNJ-211

Quant Time: Aug 29 07:53:21 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.74 | 152 | 112387 | 20.00 | ng | -0.01 |
| 21) Naphthalene-d8 | 8.02 | 136 | 443470 | 20.00 | ng | -0.01 |
| 38) Acenaphthene-d10 | 9.77 | 164 | 198386 | 20.00 | ng | -0.01 |
| 63) Phenanthrene-d10 | 11.26 | 188 | 389583 | 20.00 | ng | 0.00 |
| 75) Chrysene-d12 | 13.89 | 240 | 336858 | 20.00 | ng | 0.00 |
| 86) Perylene-d12 | 15.32 | 264 | 266685 | 20.00 | ng | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 5) 2-Fluorophenol | 5.35 | 112 | 568584 | 76.95 | ng | 0.00 |
| 7) Phenol-d6 | 6.37 | 99 | 717041 | 71.43 | ng | -0.01 |
| 23) Nitrobenzene-d5 | 7.30 | 82 | 485806 | 59.51 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.56 | 330 | 153257 | 89.03 | ng | -0.01 |
| 44) 2-Fluorobiphenyl | 9.10 | 172 | 738883 | 54.72 | ng | -0.01 |
| 78) Terphenyl-d14 | 12.84 | 244 | 771899 | 47.78 | ng | 0.00 |
| **Target Compounds** | | | | | | Qvalue |
| 19) n-Nitroso-di-n-propylamine | 7.30 | 70 | 63736 | 9.274 | ng | # 72 |
| 25) Isophorone | 7.30 | 82 | 479560 | 28.252 | ng | # 67 |
| 30) 1,2,4-Trichlorobenzene | 7.96 | 180 | 21048 | 3.231 | ng | 100 |
| 49) Dimethylphthalate | 9.77 | 163 | 50904 | 3.510 | ng | # 1 |
| 50) 2,6-Dinitrotoluene | 9.77 | 165 | 24841 | 8.582 | ng | # 34 |
| 56) 2,4-Dinitrotoluene | 9.77 | 165 | 24841 | 6.838 | ng | # 33 |
| 64) 4,6-Dinitro-2-methylphenol | 10.56 | 198 | 112 | 8.371 | ng | # 1 |
| 66) 4-Bromophenyl-phenylether | 10.56 | 248 | 10329 | 2.553 | ng | # 1 |

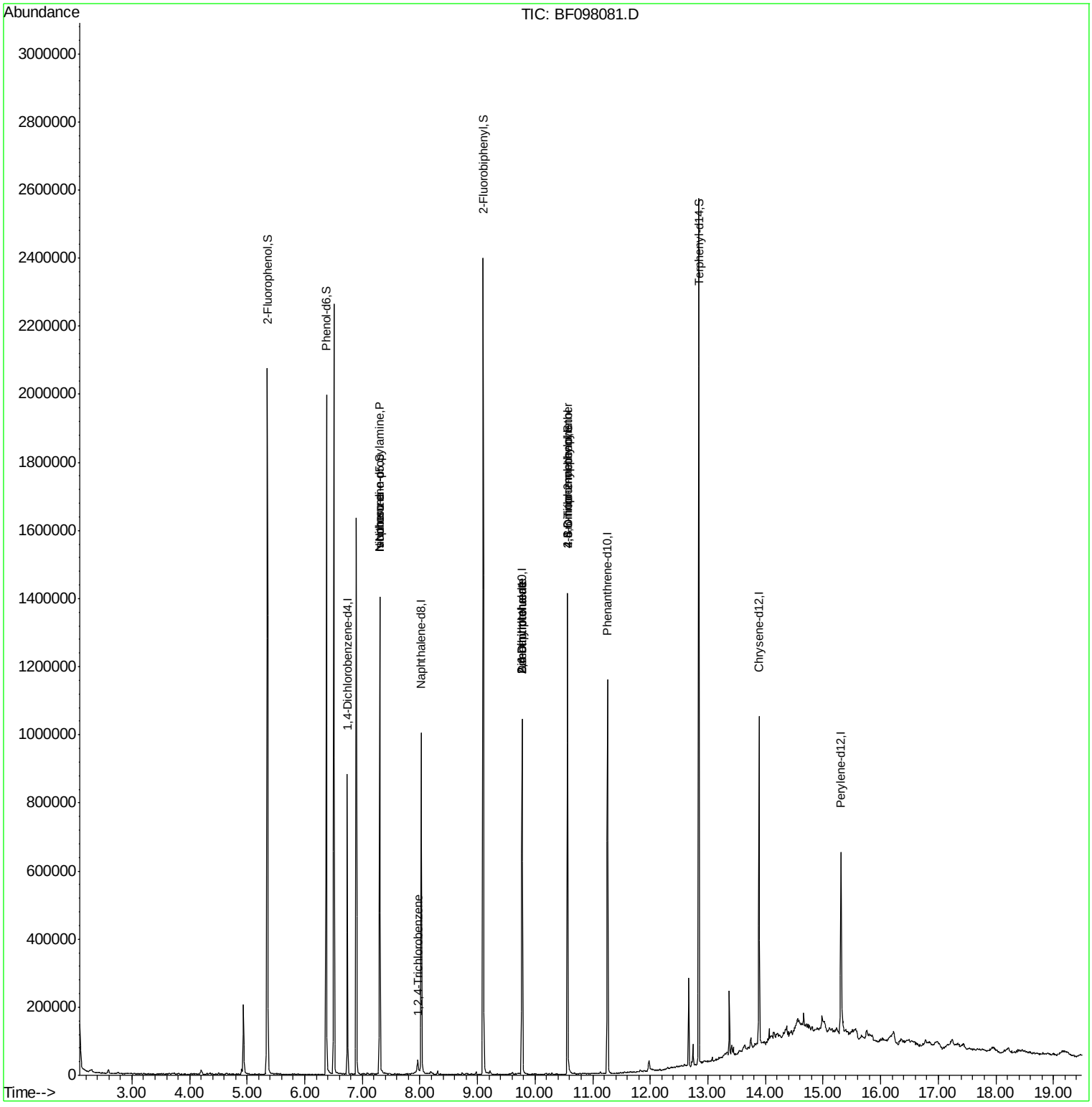
(#) = qualifier out of range (m) = manual integration (+) = signals summed

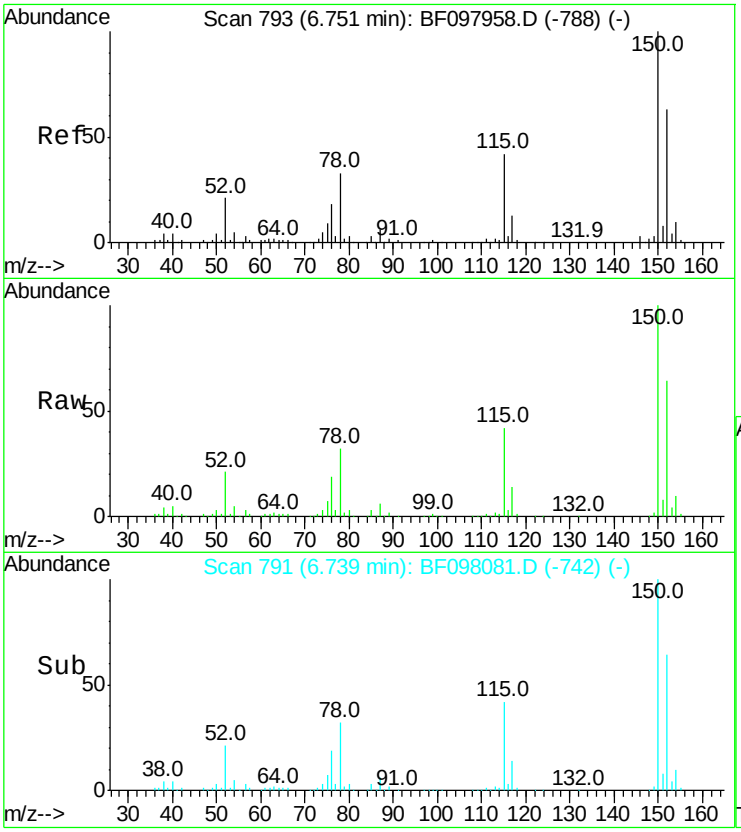
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082817\
Data File : BF098081.D
Acq On : 28 Aug 2017 22:15
Operator : SJ/JU
Sample : I4946-03
Misc :
ALS Vial : 12 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-211

Quant Time: Aug 29 07:53:21 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration



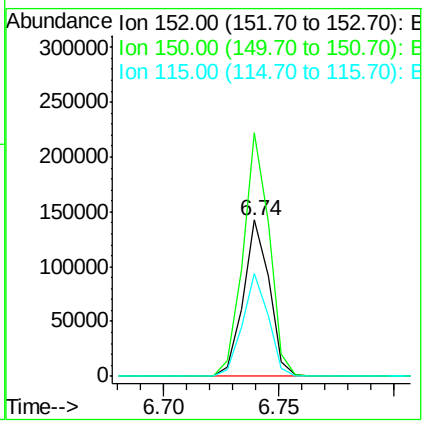


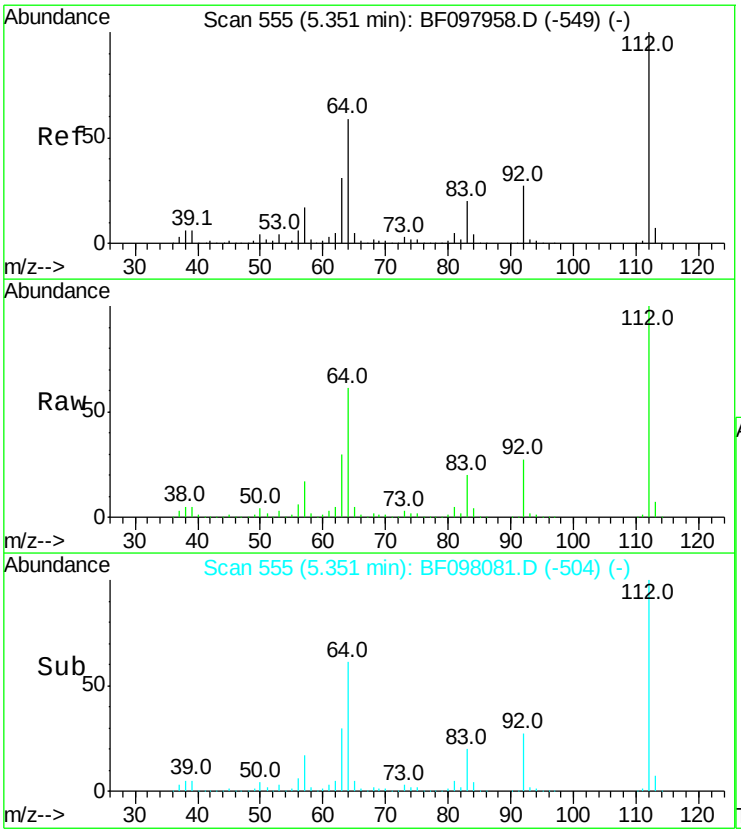

#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-211

Tgt Ion:152 Resp: 112387

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 150 | 156.1 | 126.2 | 189.2 |
| 115 | 65.7 | 52.2 | 78.2 |

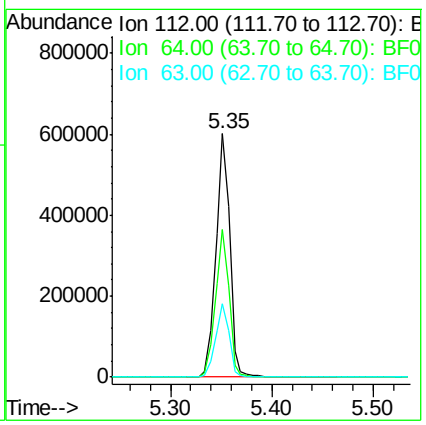


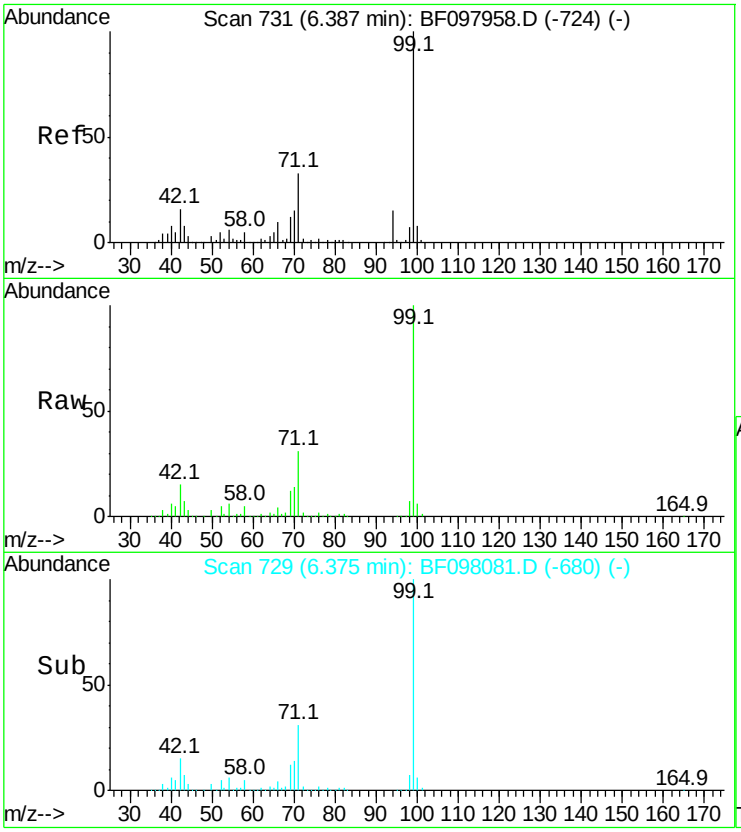




#5
2-Fluorophenol
Concen: 76.954 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

Tgt Ion:112 Resp: 568584

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 112 | 100 | | |
| 64 | 60.9 | 46.0 | 69.0 |
| 63 | 30.2 | 23.4 | 35.0 |



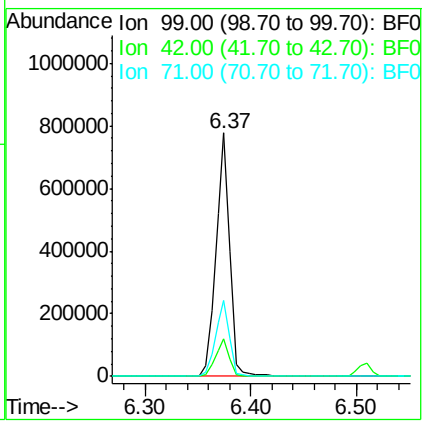


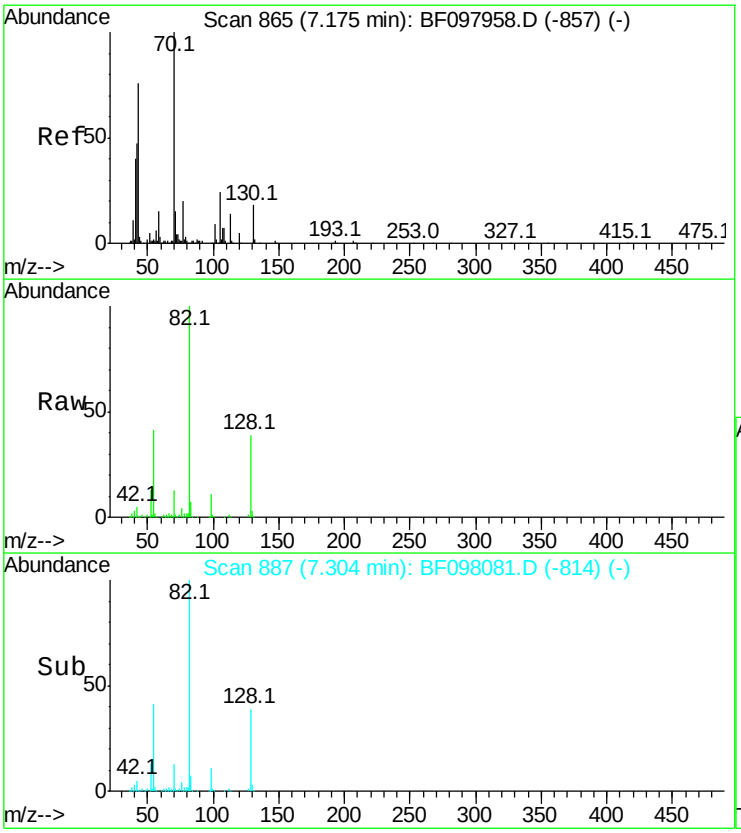

#7
Phenol-d6
Concen: 71.425 ng
RT: 6.37 min Scan# 729
Delta R.T. -0.01 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-211

Tgt Ion: 99 Resp: 717041

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 99 | 100 | | |
| 42 | 15.2 | 13.5 | 20.3 |
| 71 | 31.4 | 24.5 | 36.7 |

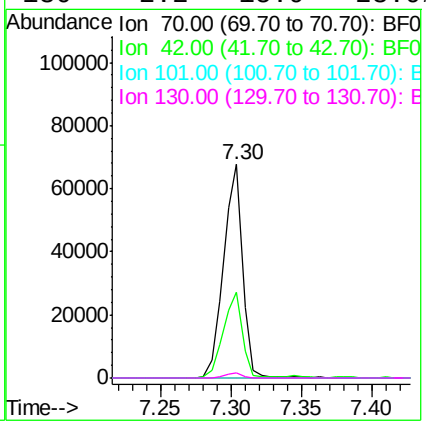


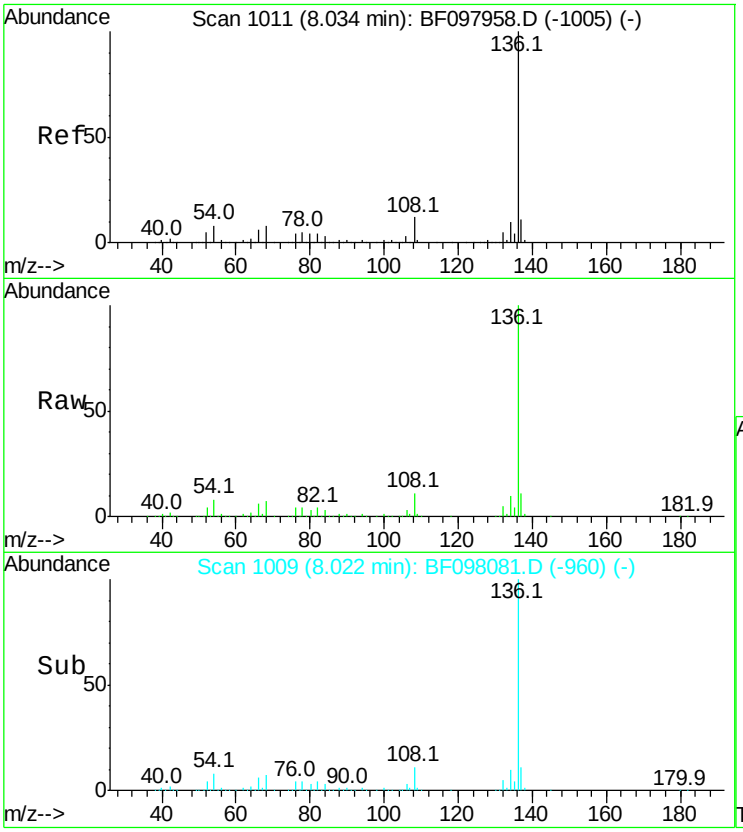




#19
n-Nitroso-di-n-propylamine
Concen: 9.274 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.13 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

Tgt Ion: 70 Resp: 63736

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 70 | 100 | | |
| 42 | 40.1 | 47.2 | 70.8# |
| 101 | 0.0 | 7.2 | 10.8# |
| 130 | 2.2 | 15.9 | 23.9# |



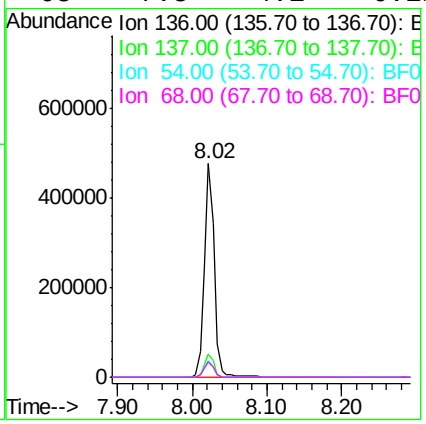


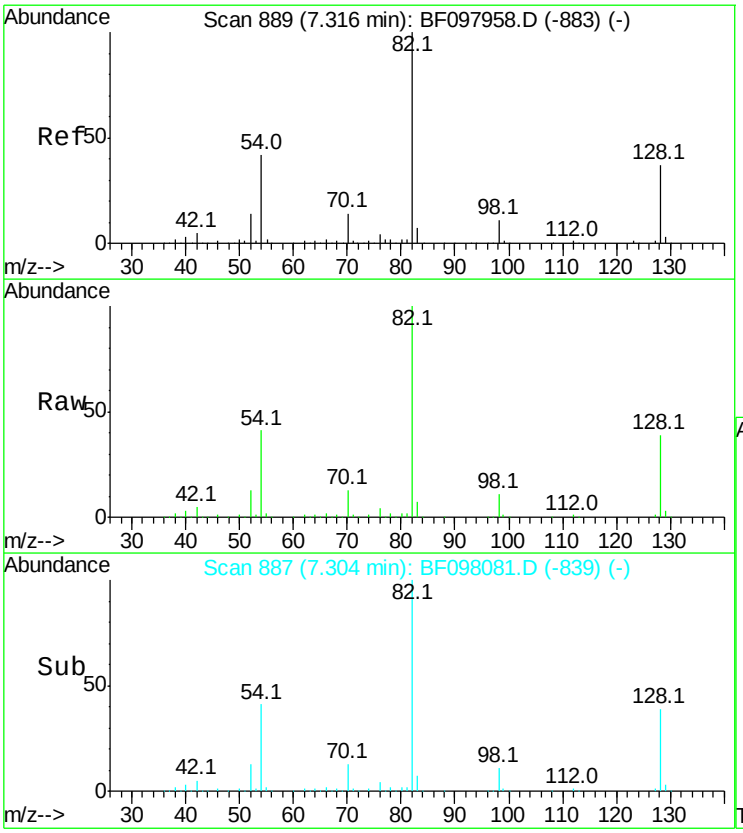

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-211

Tgt Ion:136 Resp: 443470

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 136 | 100 | | |
| 137 | 10.9 | 8.5 | 12.7 |
| 54 | 7.8 | 4.9 | 7.3# |
| 68 | 7.3 | 4.1 | 6.1# |

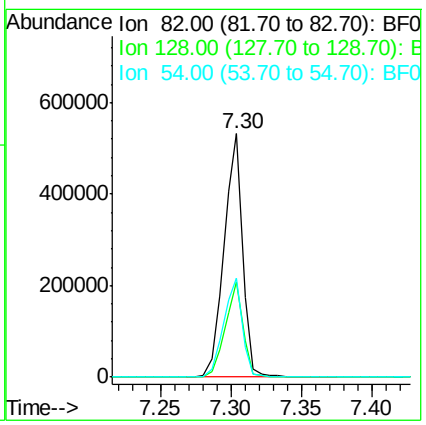


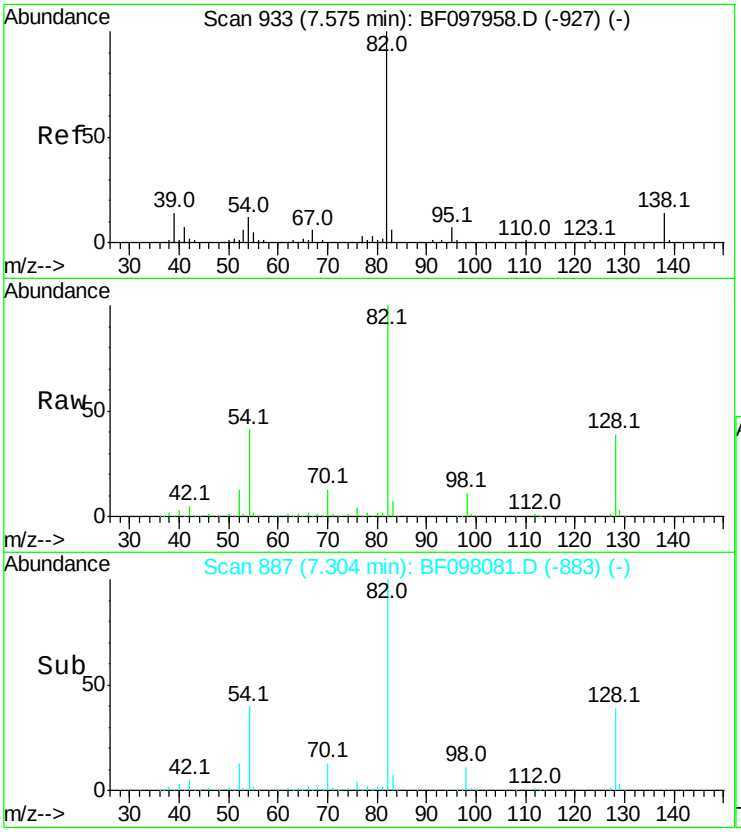




#23
Nitrobenzene-d5
Concen: 59.511 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

Tgt Ion: 82 Resp: 485806

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 128 | 39.3 | 34.0 | 51.0 |
| 54 | 40.5 | 42.2 | 63.2# |



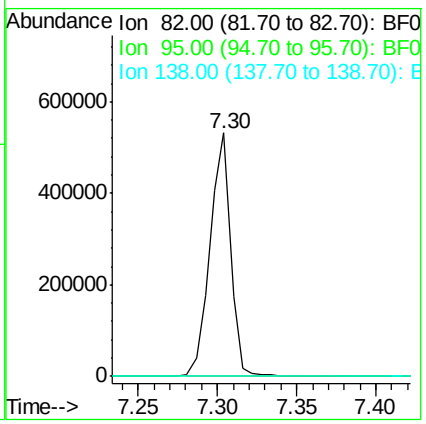


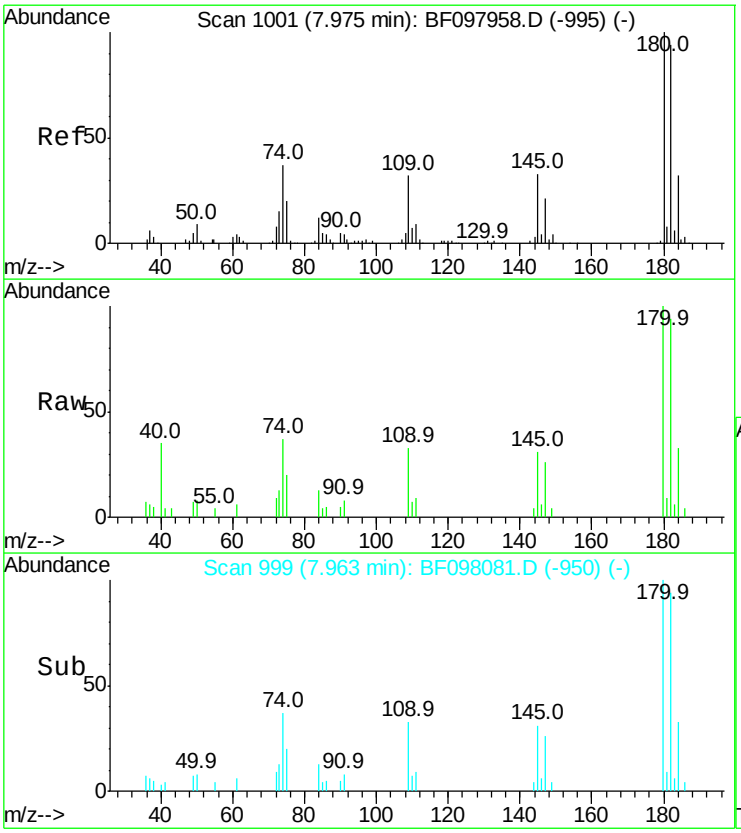

#25
Isophorone
Concen: 28.252 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.28 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-211

Tgt Ion: 82 Resp: 479560

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 82 | 100 | | |
| 95 | 0.0 | 5.3 | 7.9# |
| 138 | 0.0 | 13.1 | 19.7# |

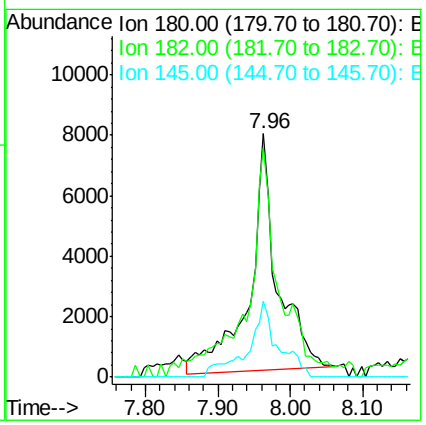


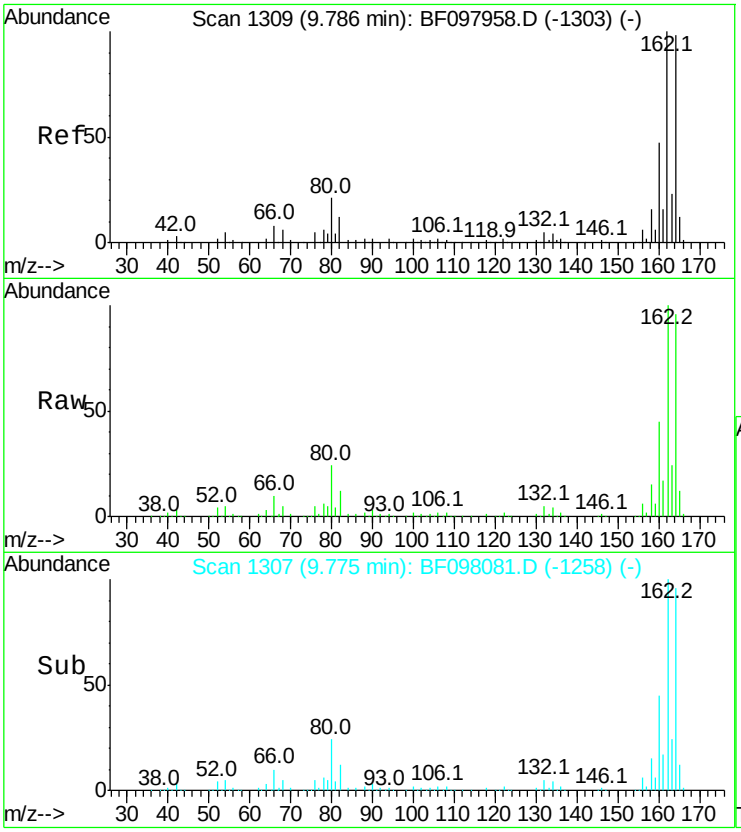




#30
1,2,4-Trichlorobenzene
Concen: 3.231 ng
RT: 7.96 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

Tgt Ion:180 Resp: 21048

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 180 | 100 | | |
| 182 | 94.4 | 75.8 | 113.6 |
| 145 | 31.1 | 25.3 | 37.9 |



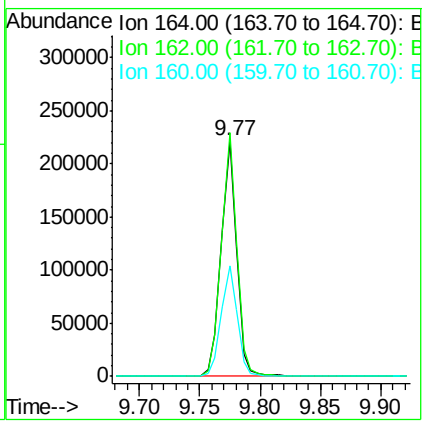


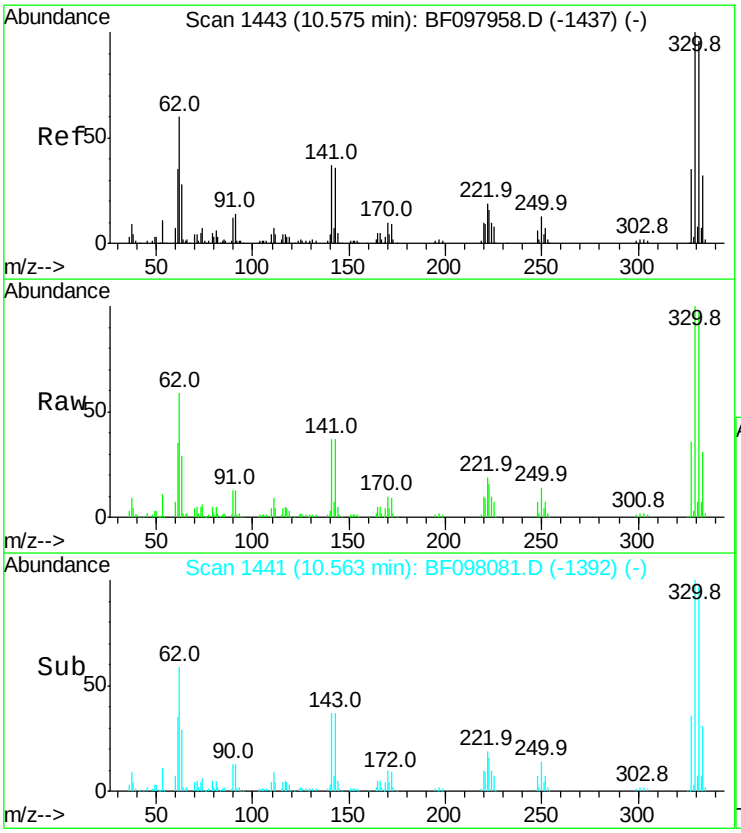

#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-211

Tgt Ion:164 Resp: 198386

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 164 | 100 | | |
| 162 | 103.7 | 82.6 | 123.8 |
| 160 | 46.9 | 36.2 | 54.2 |

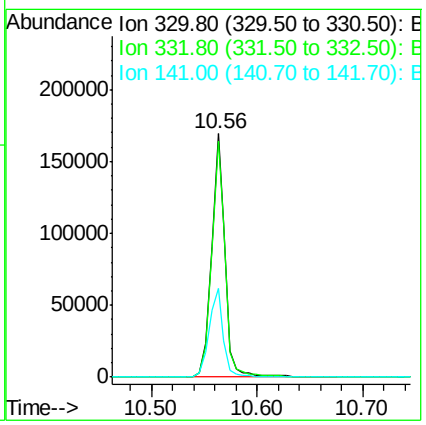


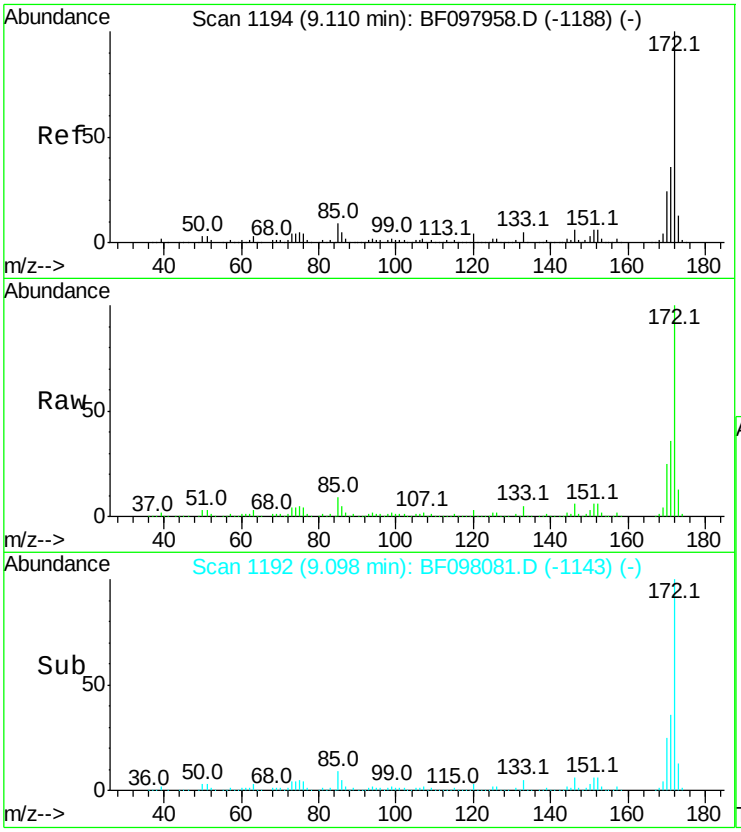




#41
2,4,6-Tribromophenol
Concen: 89.034 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

Tgt Ion:330 Resp: 153257

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 330 | 100 | | |
| 332 | 97.7 | 76.6 | 115.0 |
| 141 | 38.4 | 31.4 | 47.2 |



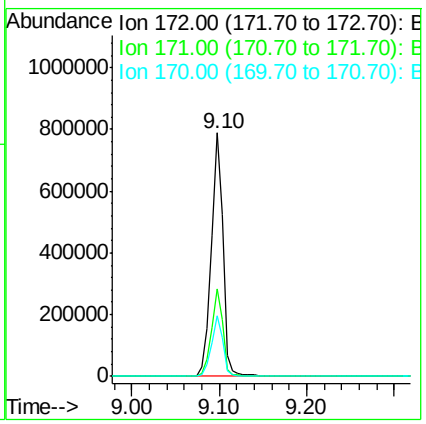


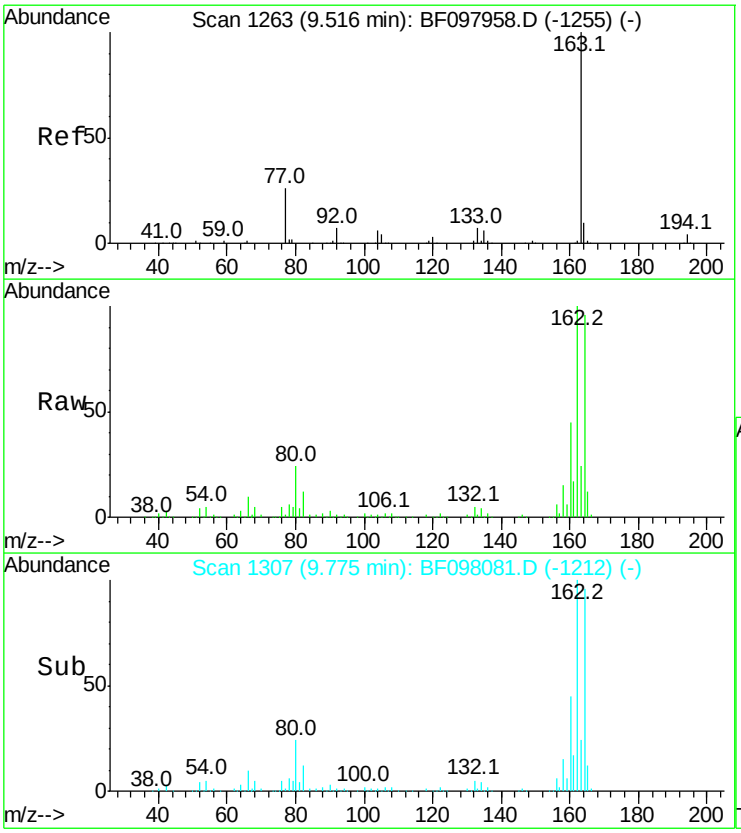

#44
2-Fluorobiphenyl
Concen: 54.720 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-211

Tgt Ion:172 Resp: 738883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 172 | 100 | | |
| 171 | 36.1 | 29.6 | 44.4 |
| 170 | 25.0 | 19.8 | 29.8 |

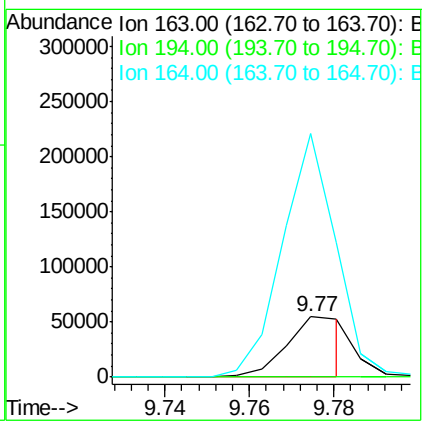


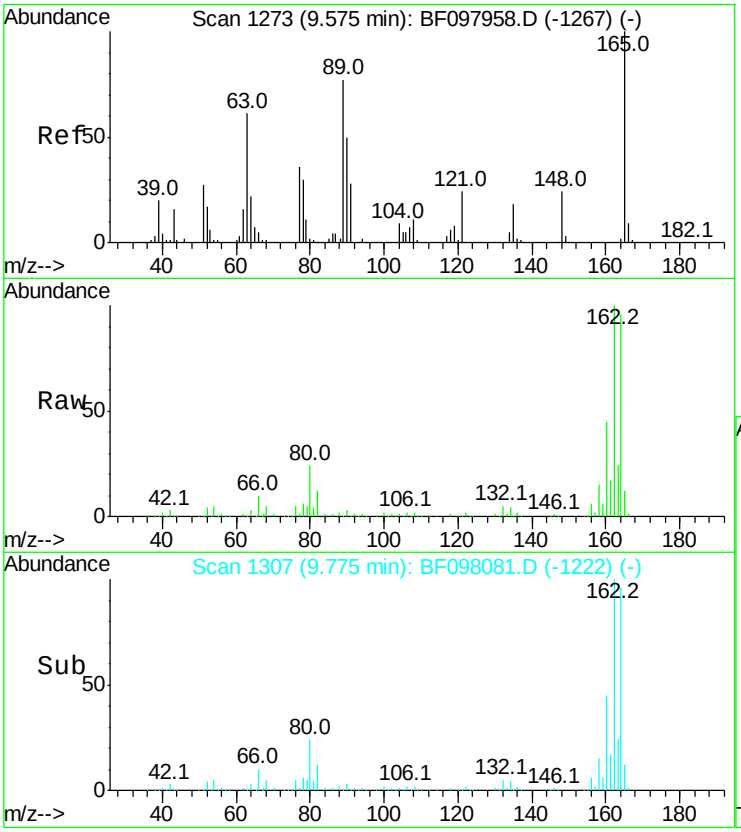




#49
Dimethylphthalate
Concen: 3.510 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.26 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

Tgt Ion:163 Resp: 50904

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 163 | 100 | | |
| 194 | 0.0 | 2.6 | 4.0# |
| 164 | 402.7 | 8.4 | 12.6# |



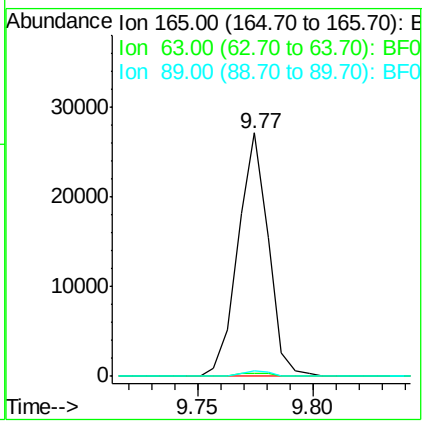


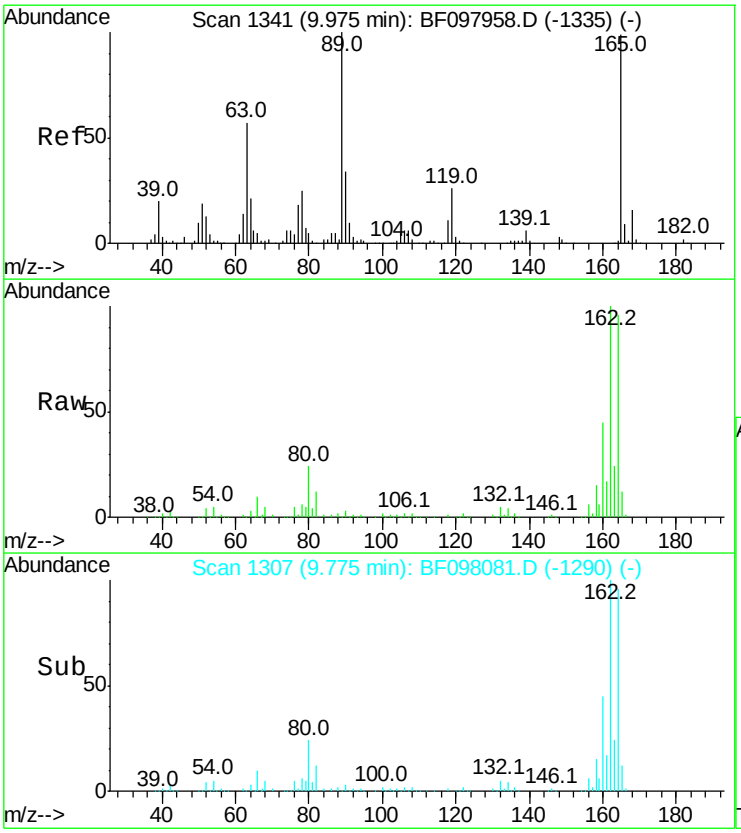

#50
2,6-Dinitrotoluene
Concen: 8.582 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.20 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-211

Tgt Ion:165 Resp: 24841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 34.3 | 51.5# |
| 89 | 2.0 | 37.1 | 55.7# |

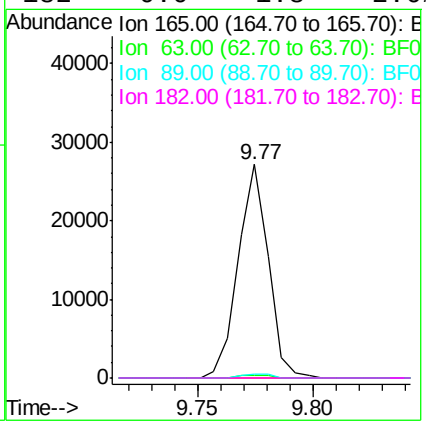


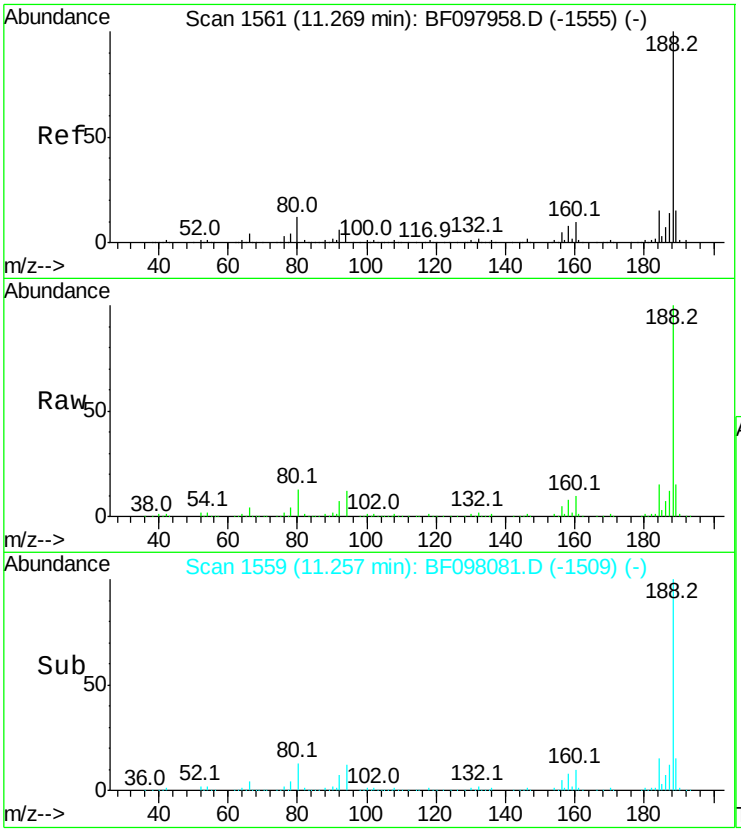




#56
2,4-Dinitrotoluene
Concen: 6.838 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.20 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

Tgt Ion:165 Resp: 24841

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 165 | 100 | | |
| 63 | 1.4 | 25.4 | 38.0# |
| 89 | 2.0 | 46.4 | 69.6# |
| 182 | 0.0 | 1.8 | 2.6# |



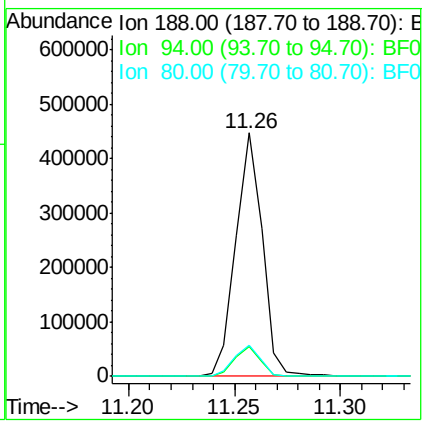


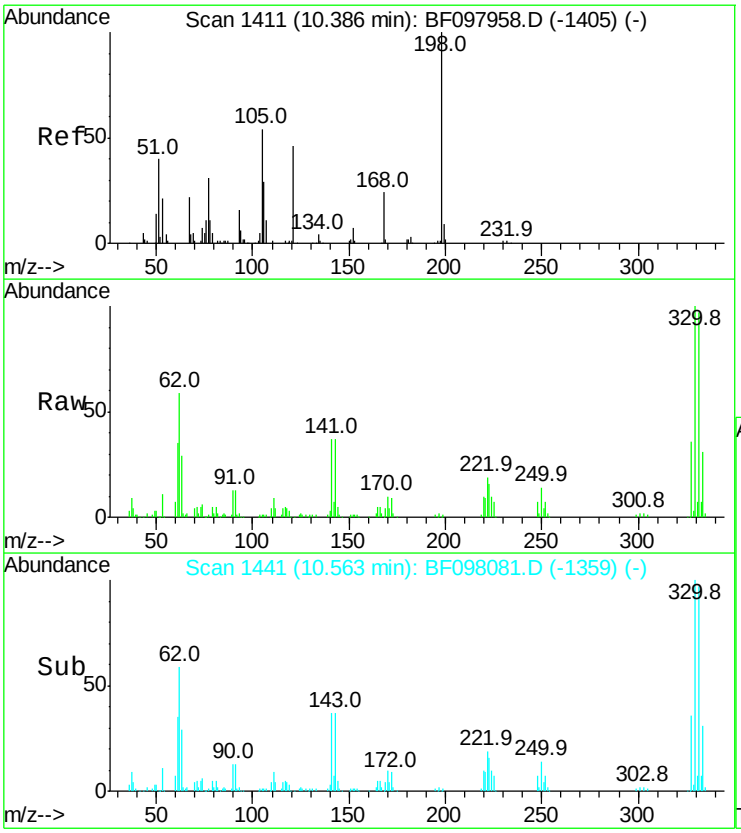

#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-211

Tgt Ion:188 Resp: 389583

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 188 | 100 | | |
| 94 | 12.1 | 9.4 | 14.2 |
| 80 | 12.6 | 10.2 | 15.2 |

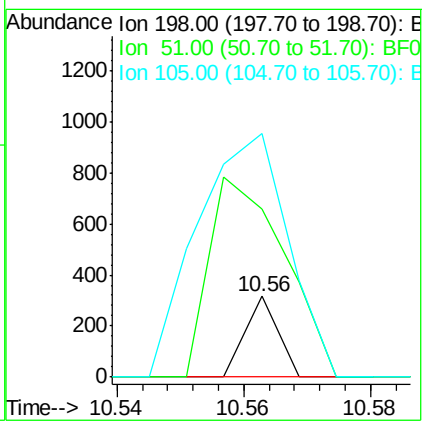


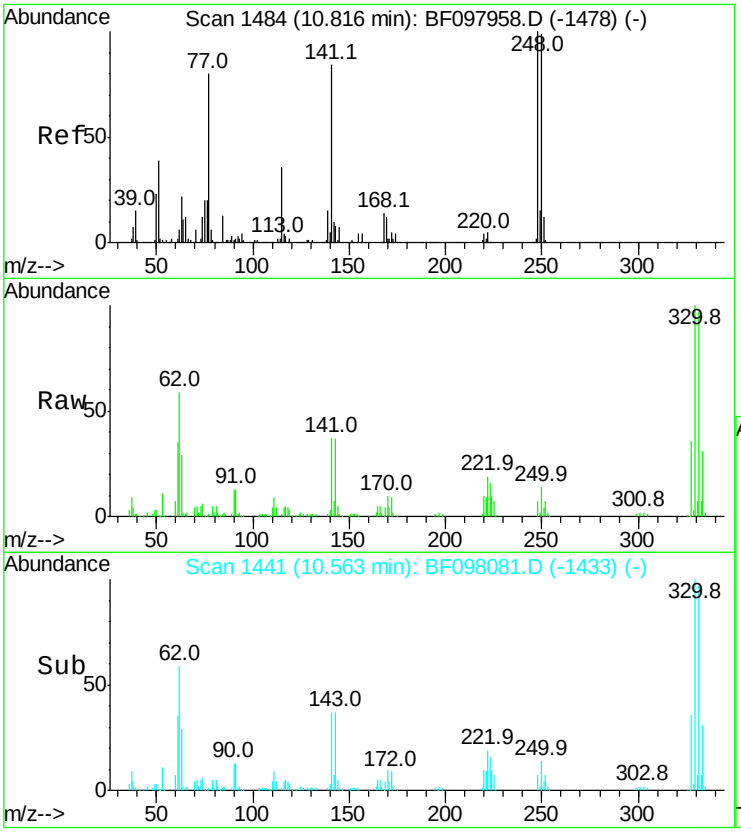




#64
4,6-Dinitro-2-methylphenol
Concen: 8.371 ng
RT: 10.56 min Scan# 1441
Delta R.T. 0.18 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

Tgt Ion:198 Resp: 112

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 198 | 100 | | |
| 51 | 208.9 | 53.2 | 93.2# |
| 105 | 301.9 | 45.8 | 85.8# |



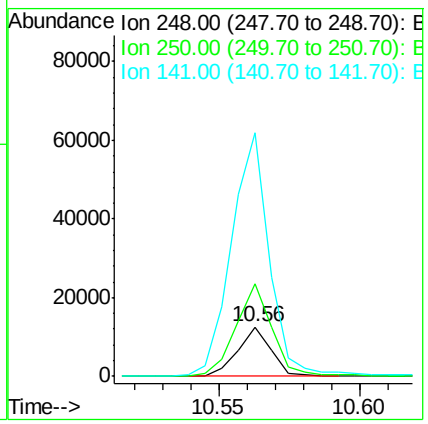


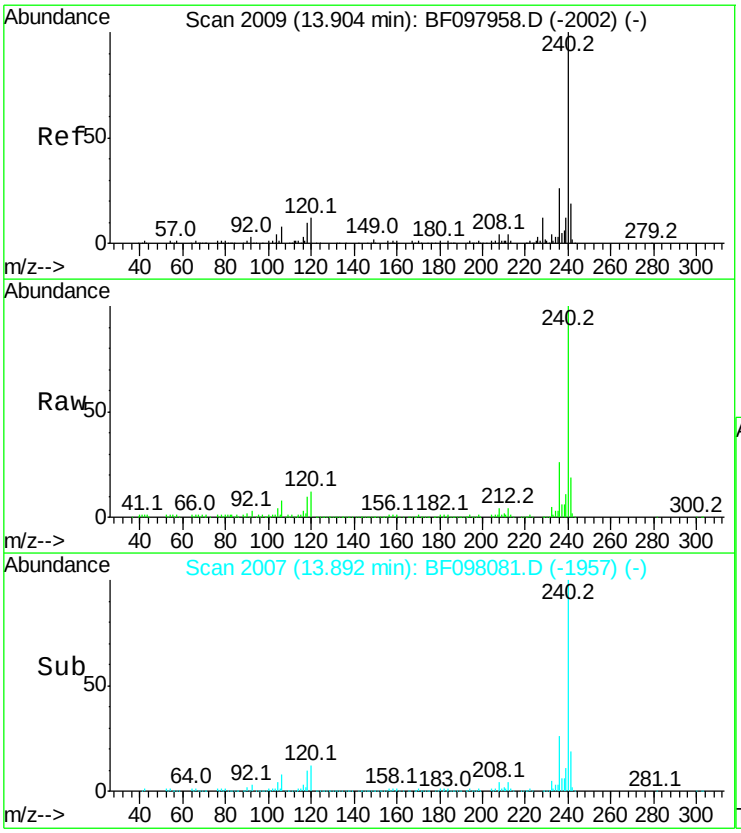

#66
4-Bromophenyl-phenylether
Concen: 2.553 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.25 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-211

Tgt Ion:248 Resp: 10329

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 248 | 100 | | |
| 250 | 186.0 | 76.8 | 115.2# |
| 141 | 491.6 | 68.6 | 103.0# |

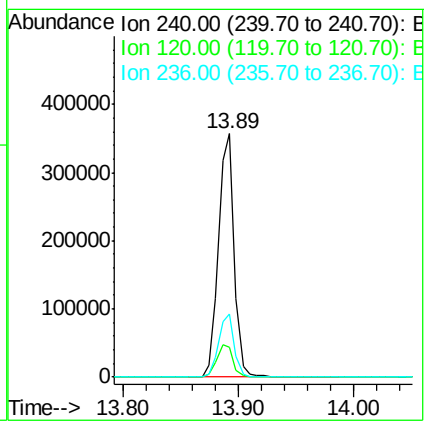


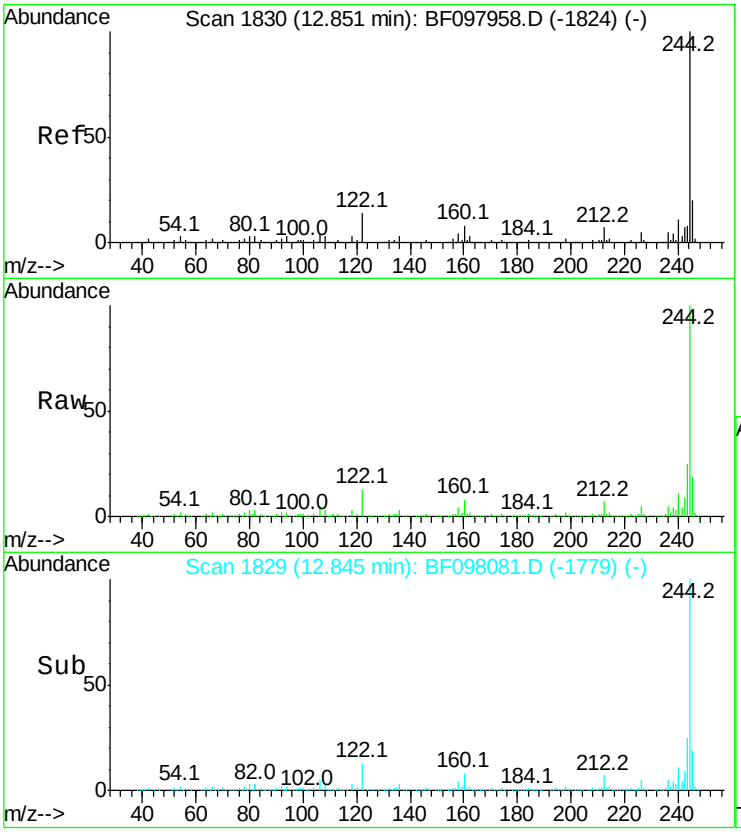




#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

Tgt Ion:240 Resp: 336858

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 240 | 100 | | |
| 120 | 12.1 | 5.8 | 8.8# |
| 236 | 26.1 | 20.5 | 30.7 |



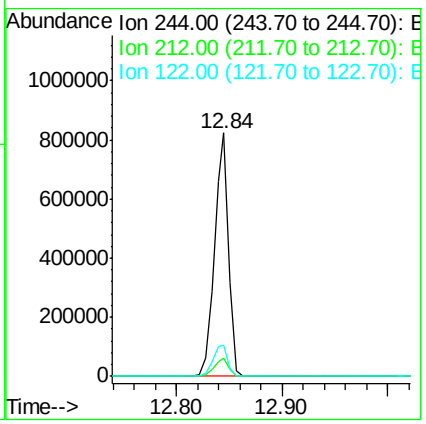


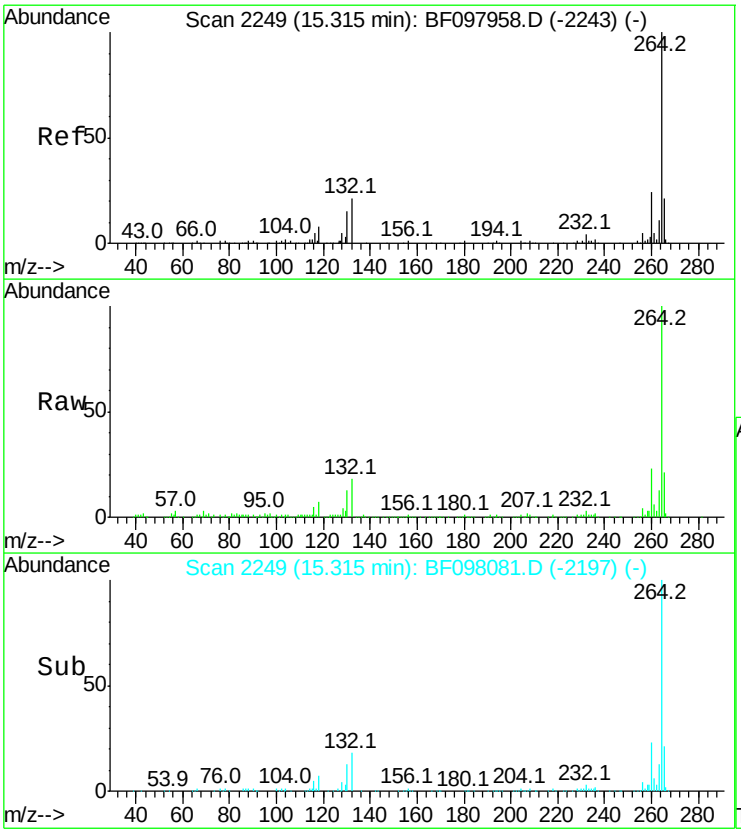

#78
Terphenyl-d14
Concen: 47.785 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

**Instrument :**
BNA_F
**ClientSampleId :**
VNJ-211

Tgt Ion:244 Resp: 771899

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 244 | 100 | | |
| 212 | 7.4 | 6.0 | 9.0 |
| 122 | 13.0 | 10.3 | 15.5 |




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF098081.D
Acq: 28 Aug 2017 22:15

Tgt Ion:264 Resp: 266685

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 264 | 100 | | |
| 260 | 23.4 | 19.5 | 29.3 |
| 265 | 20.9 | 17.2 | 25.8 |