

Data Path : Z:\HPCHEM1\BNA F\Data\BF113016\
 Data File : BF091347.D
 Acq On : 30 Nov 2016 11:55
 Operator : UM/SJ
 Sample : H5749-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 30 17:53:11 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

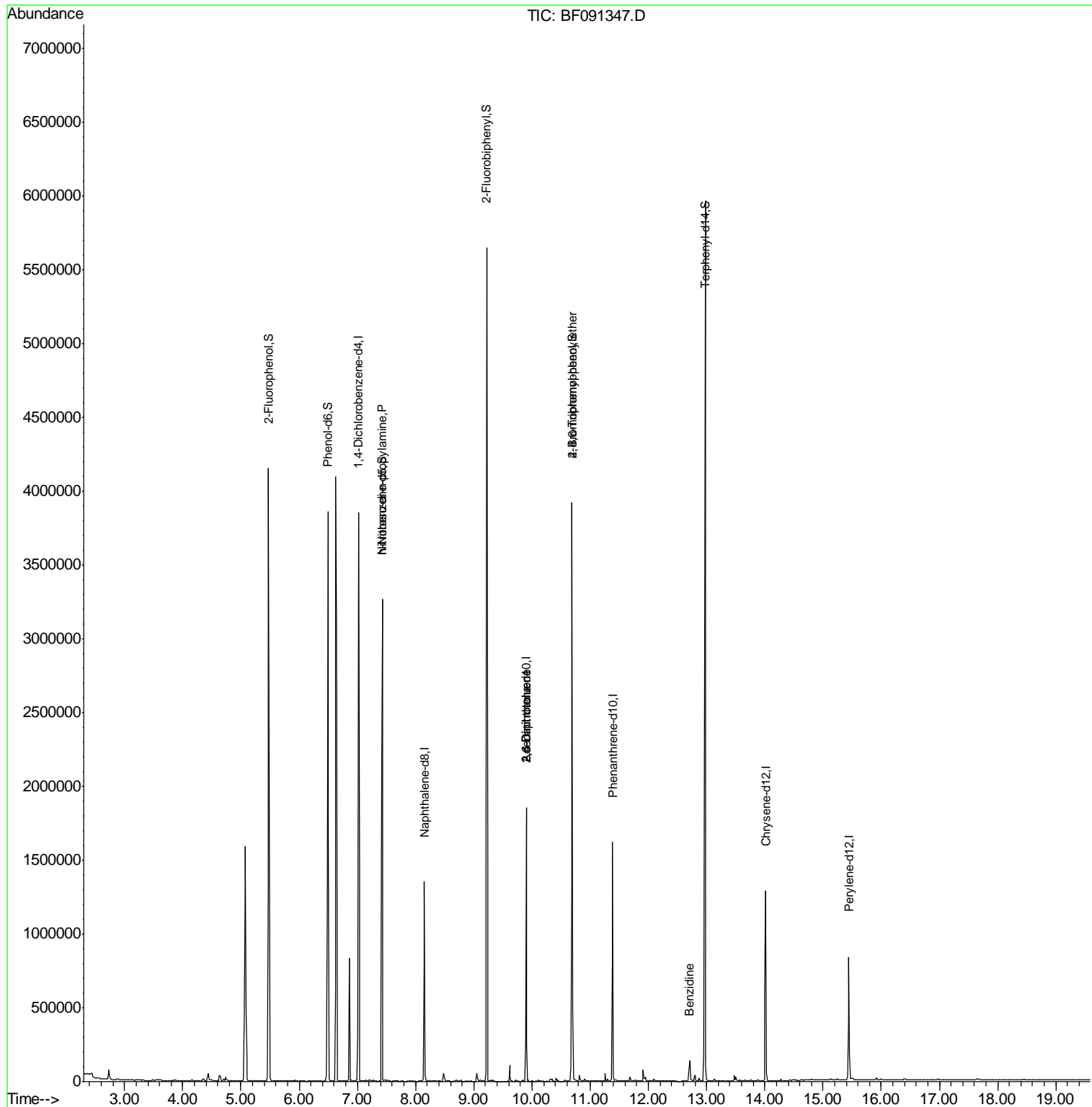
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.02 | 152 | 607436 | 20.00 | ng | 0.14 |
| 21) Naphthalene-d8 | 8.15 | 136 | 726633 | 20.00 | ng | -0.02 |
| 38) Acenaphthene-d10 | 9.90 | 164 | 395094 | 20.00 | ng | -0.02 |
| 63) Phenanthrene-d10 | 11.38 | 188 | 701758 | 20.00 | ng | -0.02 |
| 75) Chrysene-d12 | 14.01 | 240 | 512992 | 20.00 | ng | -0.03 |
| 86) Perylene-d12 | 15.44 | 264 | 393854 | 20.00 | ng | -0.03 |
| System Monitoring Compounds | | | | | | |
| 5) 2-Fluorophenol | 5.48 | 112 | 1363095 | 36.66 | ng | 0.00 |
| 7) Phenol-d6 | 6.49 | 99 | 1570992 | 34.32 | ng | 0.00 |
| 23) Nitrobenzene-d5 | 7.43 | 82 | 1251684 | 96.53 | ng | -0.02 |
| 41) 2,4,6-Tribromophenol | 10.69 | 330 | 473971 | 126.72 | ng | -0.02 |
| 44) 2-Fluorobiphenyl | 9.22 | 172 | 2015094 | 92.35 | ng | -0.02 |
| 78) Terphenyl-d14 | 12.97 | 244 | 2119189 | 89.79 | ng | -0.02 |
| Target Compounds | | | | | | |
| 19) n-Nitroso-di-n-propylamine | 7.43 | 70 | 171898 | 5.96 | ng | # 69 |
| 50) 2,6-Dinitrotoluene | 9.90 | 165 | 51466 | 9.63 | ng | # 16 |
| 56) 2,4-Dinitrotoluene | 9.90 | 165 | 51468 | 7.42 | ng | # 33 |
| 66) 4-Bromophenyl-phenylether | 10.69 | 248 | 31284 | 4.15 | ng | # 1 |
| 76) Benzidine | 12.71 | 184 | 47949 | 3.18 | ng | 98 |

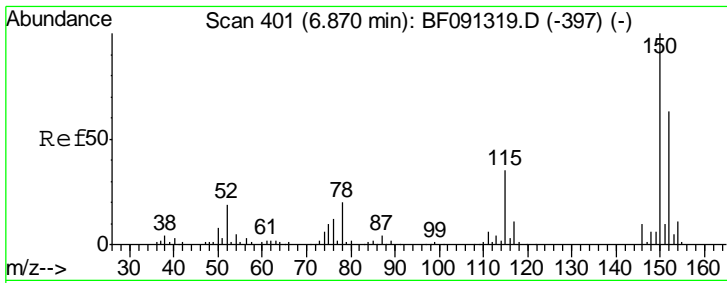
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\Data\BF113016\
 Data File : BF091347.D
 Acq On : 30 Nov 2016 11:55
 Operator : UM/SJ
 Sample : H5749-10
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampled :

Quant Time: Nov 30 17:53:11 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 13:33:46 2016
 Response via : Initial Calibration

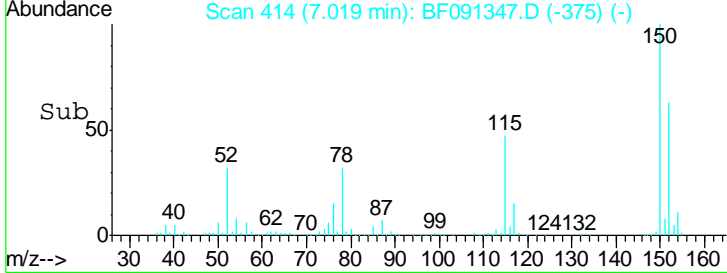
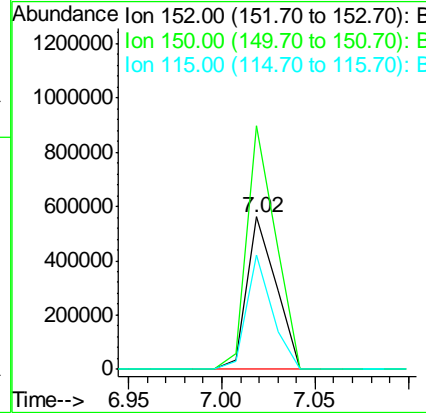
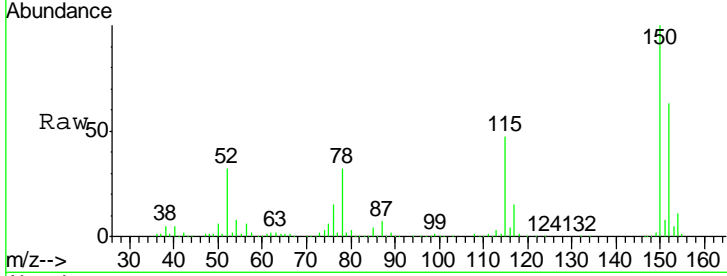




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.02 min Scan# 414
 Delta R.T. 0.14 min
 Lab File: BF091347.D
 Acq: 30 Nov 2016 11:55

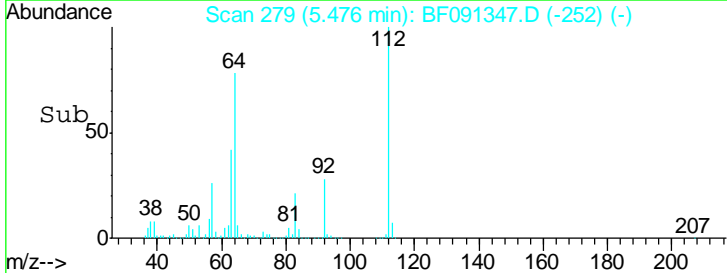
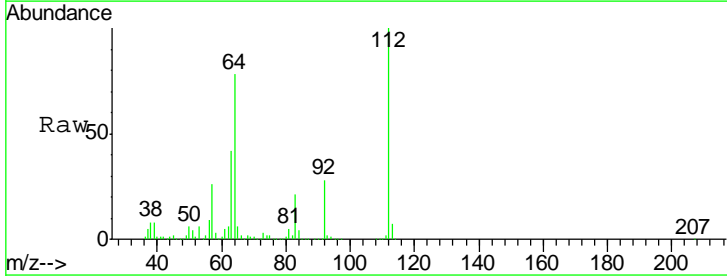
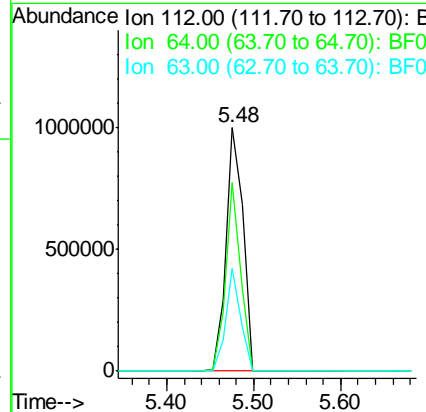
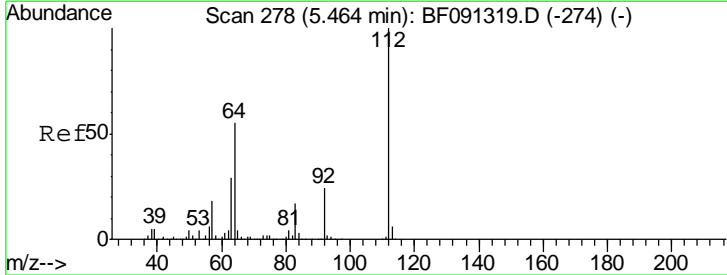
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 BNA_F
 ClientSampled :

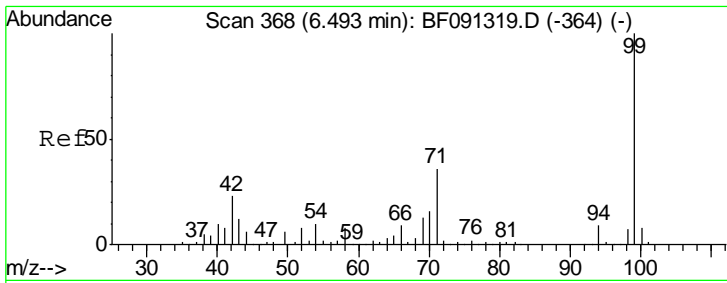
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|-------|
| 152 | 100 | | |
| 150 | 159.8 | 122.5 | 183.7 |
| 115 | 75.1 | 51.8 | 77.8 |



#5
 2-Fluorophenol
 Concen: 36.66 ng
 RT: 5.48 min Scan# 279
 Delta R.T. 0.01 min
 Lab File: BF091347.D
 Acq: 30 Nov 2016 11:55

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 112 | 100 | | |
| 64 | 77.5 | 61.5 | 92.3 |
| 63 | 42.1 | 33.3 | 49.9 |

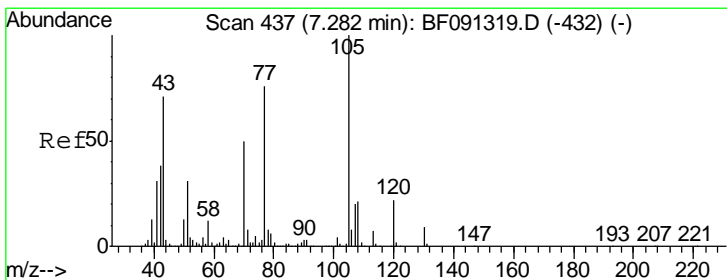
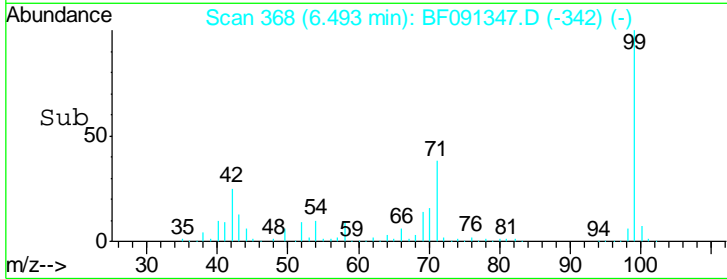
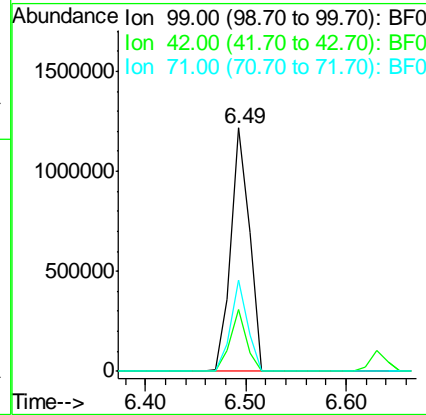
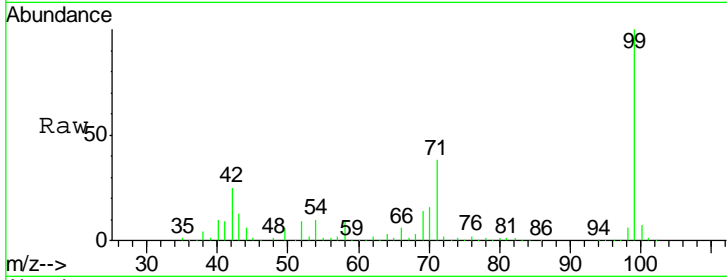




#7
 Phenol-d6
 Concen: 34.32 ng
 RT: 6.49 min Scan# 368
 Delta R.T. -0.01 min
 Lab File: BF091347.D
 Acq: 30 Nov 2016 11:55

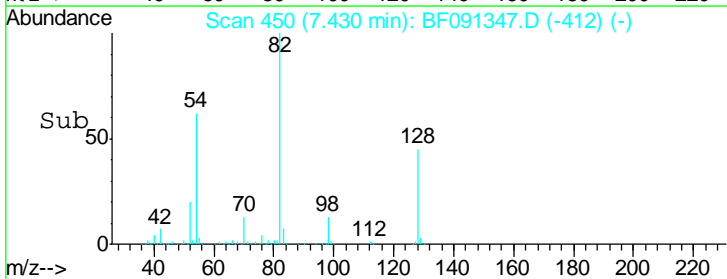
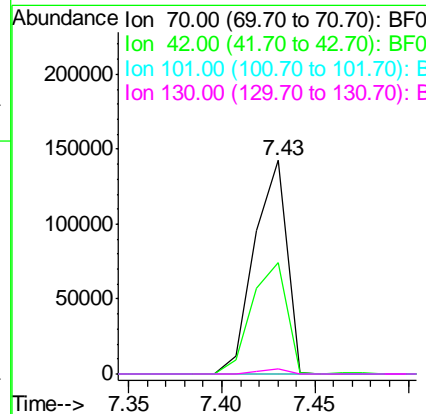
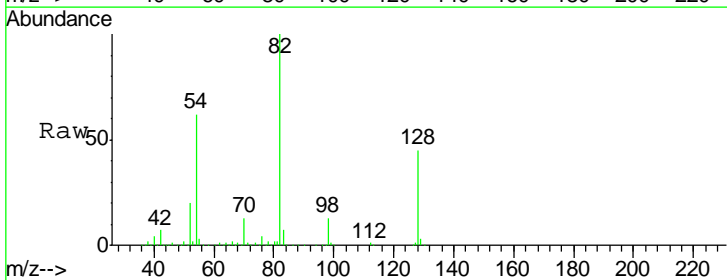
Instrument :
 BNA_F
 ClientSampled :

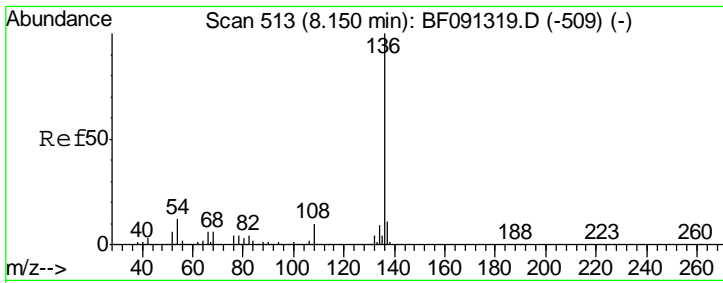
| Tgt Ion | Resp | Lower | Upper |
|-----------|---------|-------|-------|
| 99 | 1570992 | | |
| Ion Ratio | | | |
| 99 | 100 | | |
| 42 | 25.1 | 20.6 | 31.0 |
| 71 | 37.7 | 29.9 | 44.9 |



#19
 n-Nitroso-di-n-propylamine
 Concen: 5.96 ng
 RT: 7.43 min Scan# 450
 Delta R.T. 0.13 min
 Lab File: BF091347.D
 Acq: 30 Nov 2016 11:55

| Tgt Ion | Resp | Lower | Upper |
|-----------|--------|-------|-------|
| 70 | 171898 | | |
| Ion Ratio | | | |
| 70 | 100 | | |
| 42 | 52.3 | 64.8 | 97.2# |
| 101 | 0.0 | 6.2 | 9.4# |
| 130 | 2.2 | 11.7 | 17.5# |



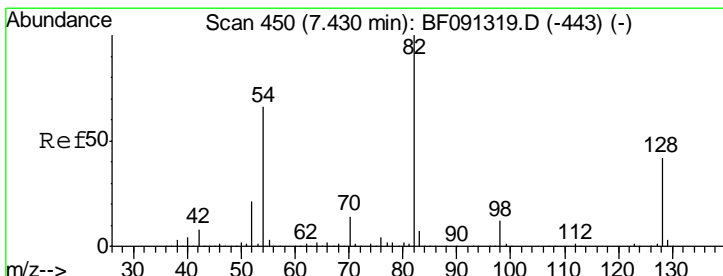
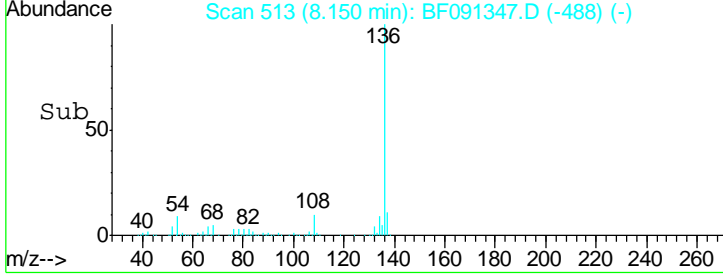
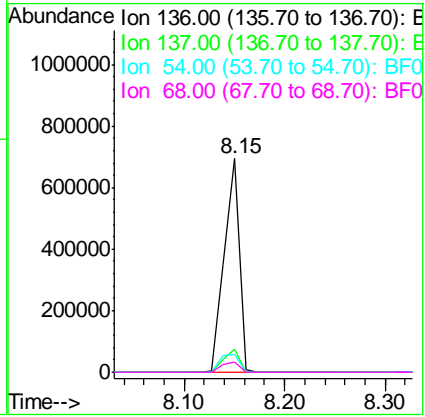
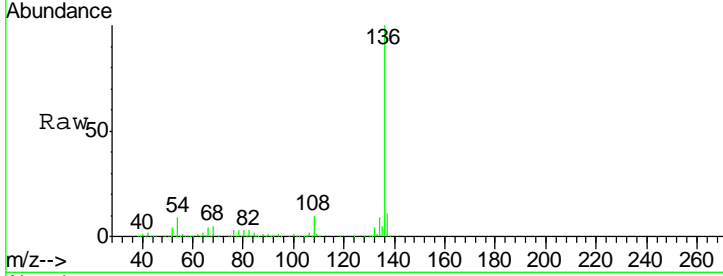


#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 8.15 min Scan# 513
 Delta R.T. -0.02 min
 Lab File: BF091347.D
 Acq: 30 Nov 2016 11:55

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion: 136 Resp: 726633

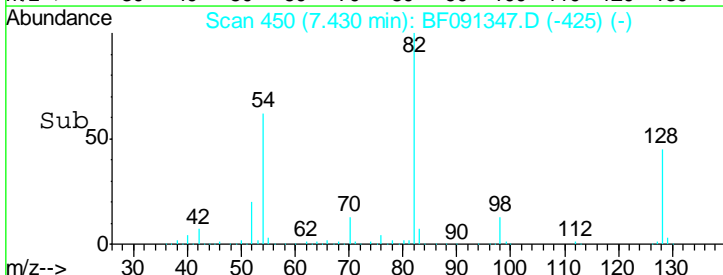
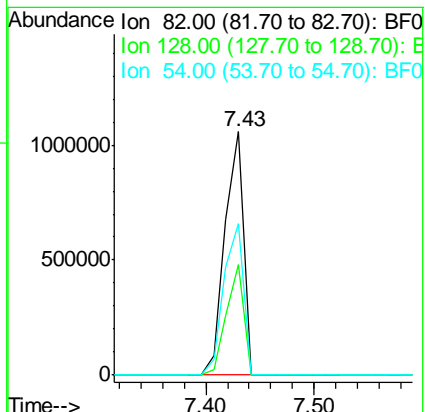
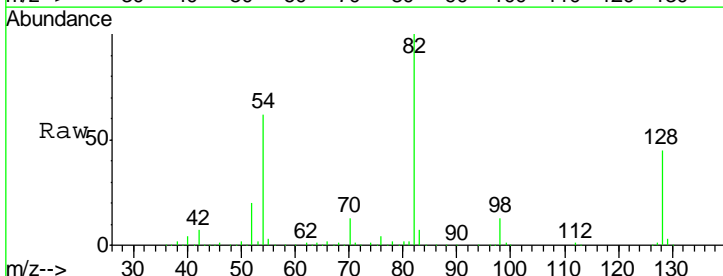
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100 | | |
| 137 | 10.5 | 9.1 | 13.7 |
| 54 | 8.6 | 9.1 | 13.7# |
| 68 | 4.5 | 5.9 | 8.9# |

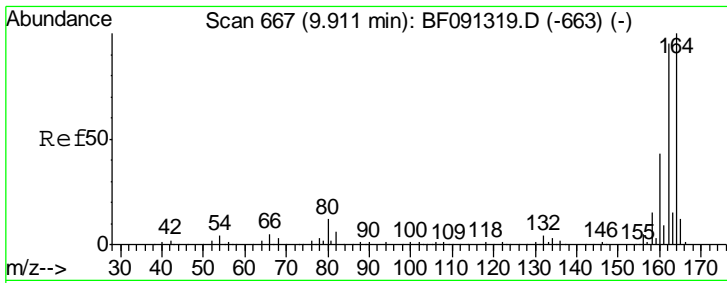


#23
 Nitrobenzene-d5
 Concen: 96.53 ng
 RT: 7.43 min Scan# 450
 Delta R.T. -0.02 min
 Lab File: BF091347.D
 Acq: 30 Nov 2016 11:55

Tgt Ion: 82 Resp: 1251684

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82 | 100 | | |
| 128 | 45.3 | 31.8 | 47.6 |
| 54 | 62.0 | 49.1 | 73.7 |



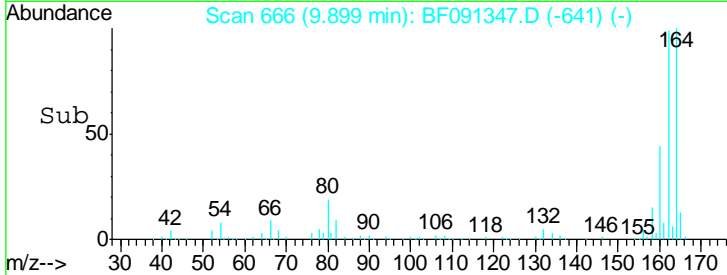
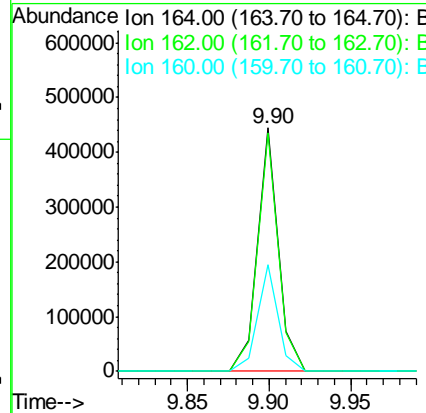
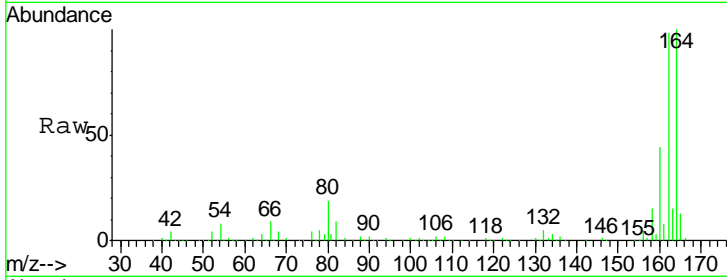


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: BF091347.D
 Acq: 30 Nov 2016 11:55

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion:164 Resp: 395094

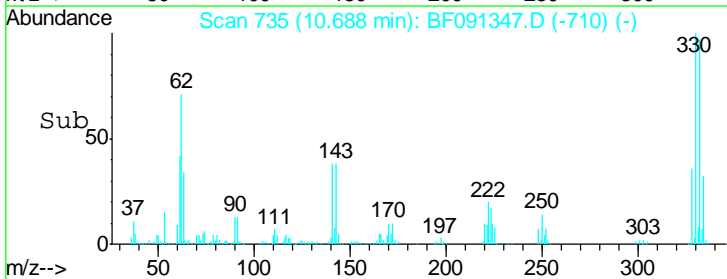
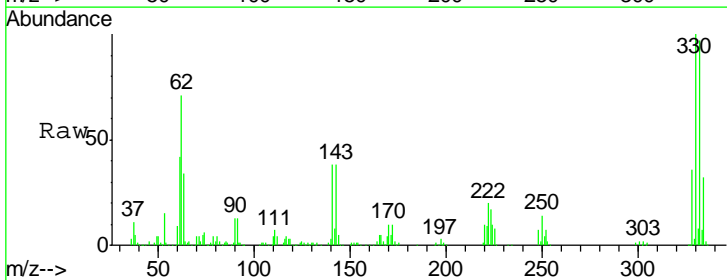
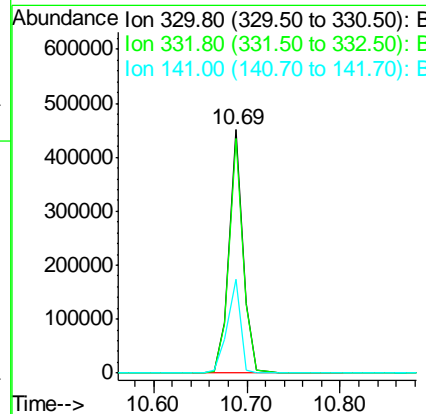
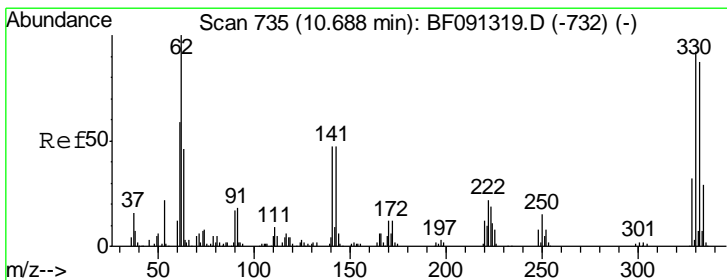
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100 | | |
| 162 | 97.7 | 82.6 | 124.0 |
| 160 | 44.0 | 36.7 | 55.1 |

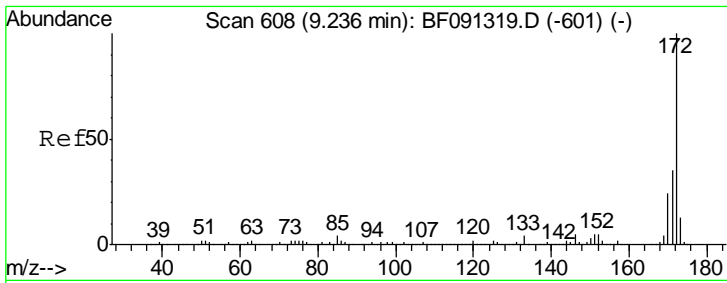


#41
 2,4,6-Tribromophenol
 Concen: 126.72 ng
 RT: 10.69 min Scan# 735
 Delta R.T. -0.02 min
 Lab File: BF091347.D
 Acq: 30 Nov 2016 11:55

Tgt Ion:330 Resp: 473971

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100 | | |
| 332 | 97.3 | 76.2 | 114.4 |
| 141 | 36.4 | 33.6 | 50.4 |



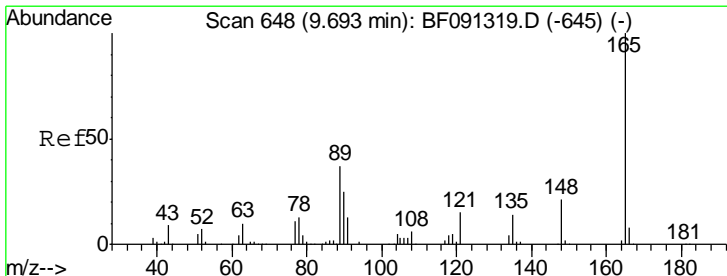
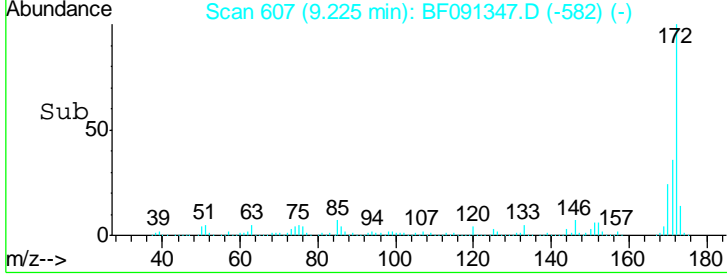
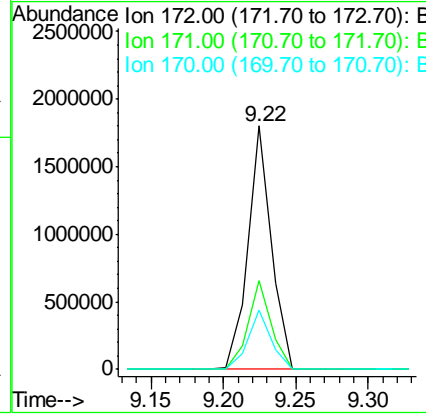
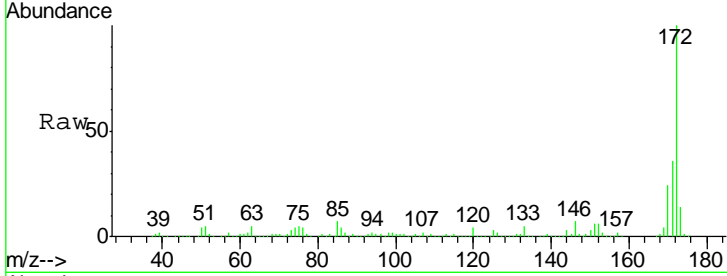


#44
 2-Fluorobiphenyl
 Concen: 92.35 ng
 RT: 9.22 min Scan# 607
 Delta R.T. -0.02 min
 Lab File: BF091347.D
 Acq: 30 Nov 2016 11:55

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 2015094

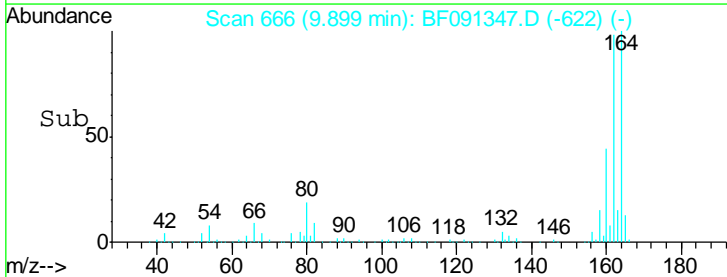
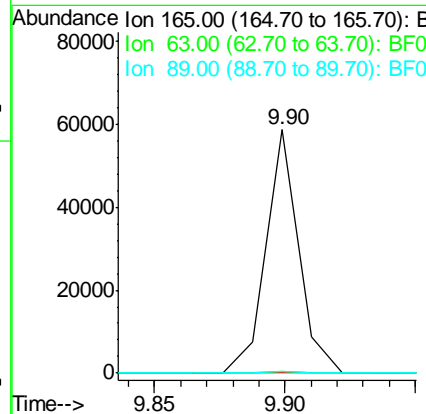
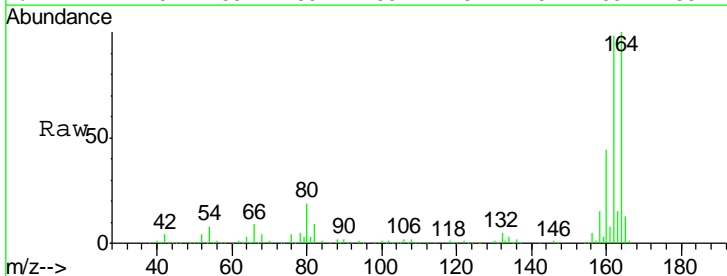
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100 | | |
| 171 | 36.2 | 29.4 | 44.0 |
| 170 | 24.3 | 19.7 | 29.5 |

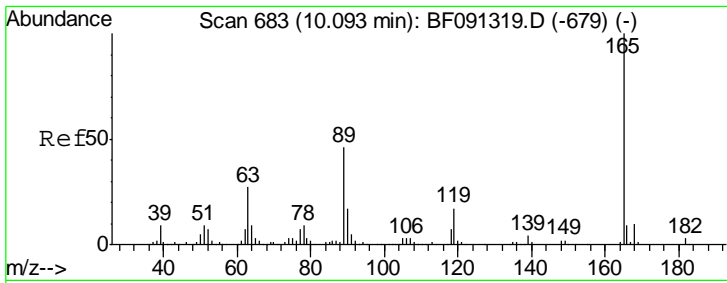


#50
 2,6-Dinitrotoluene
 Concen: 9.63 ng
 RT: 9.90 min Scan# 666
 Delta R.T. 0.20 min
 Lab File: BF091347.D
 Acq: 30 Nov 2016 11:55

Tgt Ion:165 Resp: 51466

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100 | | |
| 63 | 0.8 | 59.4 | 89.0# |
| 89 | 0.9 | 50.8 | 76.2# |

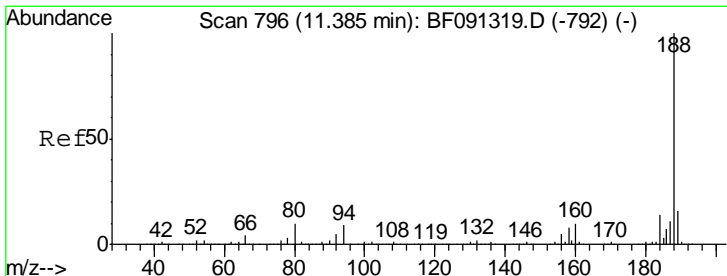
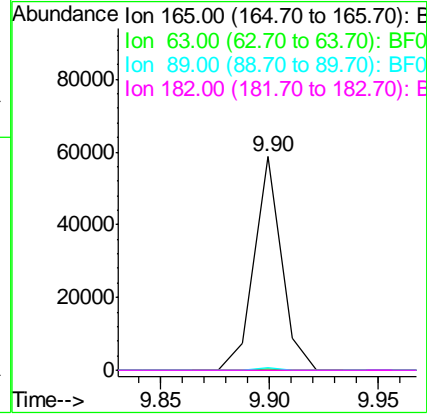
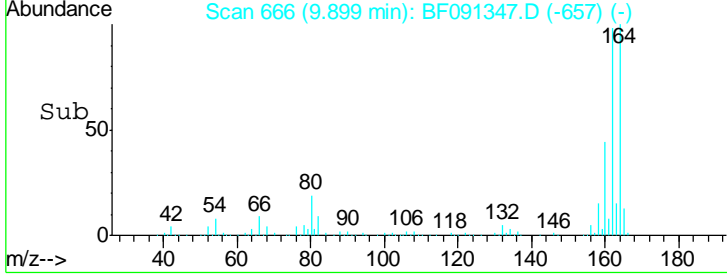
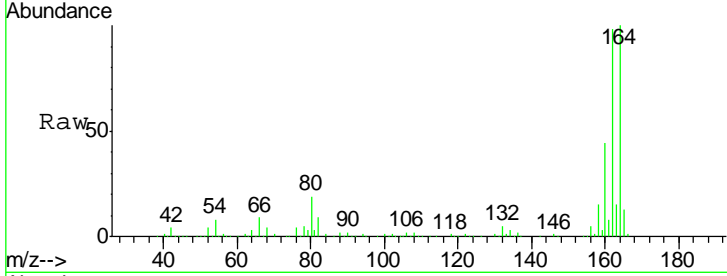




#56
 2,4-Dinitrotoluene
 Concen: 7.42 ng
 RT: 9.90 min Scan# 666
 Delta R.T. -0.20 min
 Lab File: BF091347.D
 Acq: 30 Nov 2016 11:55

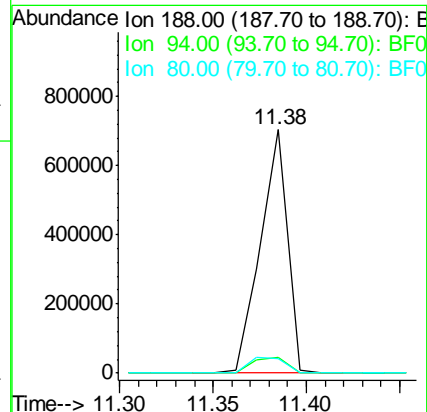
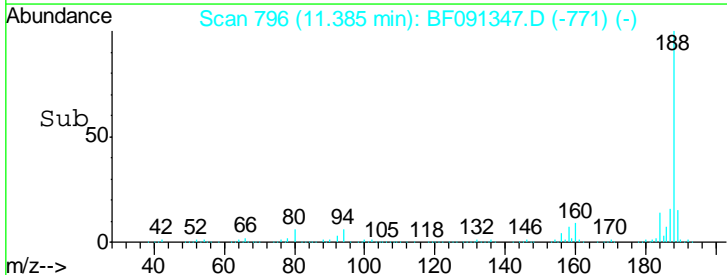
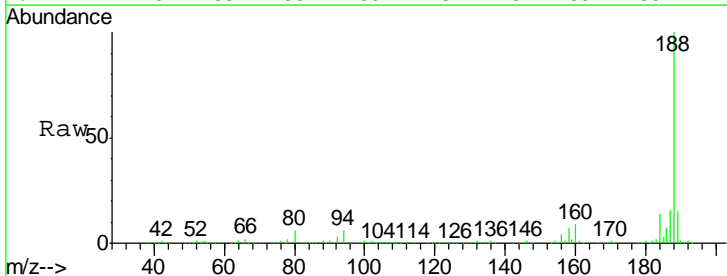
Instrument :
 BNA_F
 ClientSampled :

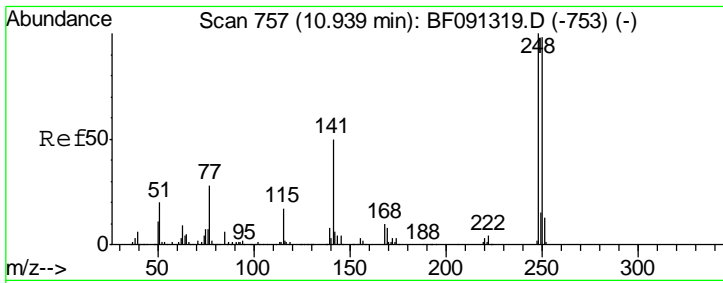
| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 165 | 100 | | |
| 63 | 0.8 | 29.0 | 43.4# |
| 89 | 0.9 | 43.1 | 64.7# |
| 182 | 0.0 | 1.9 | 2.9# |



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.38 min Scan# 796
 Delta R.T. -0.02 min
 Lab File: BF091347.D
 Acq: 30 Nov 2016 11:55

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 188 | 100 | | |
| 94 | 6.2 | 9.2 | 13.8# |
| 80 | 6.2 | 10.5 | 15.7# |

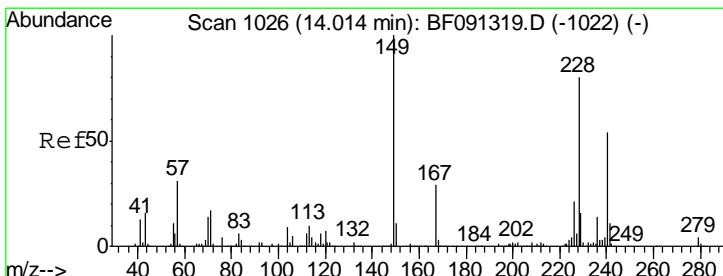
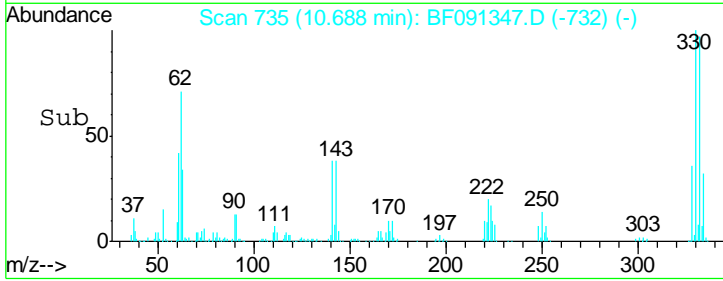
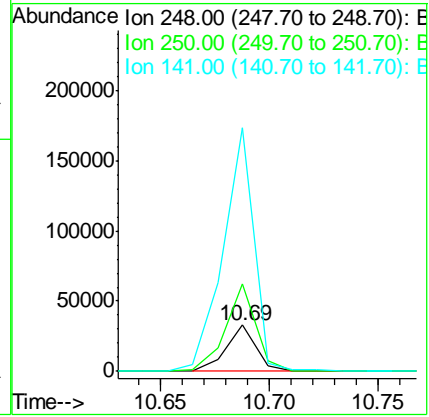
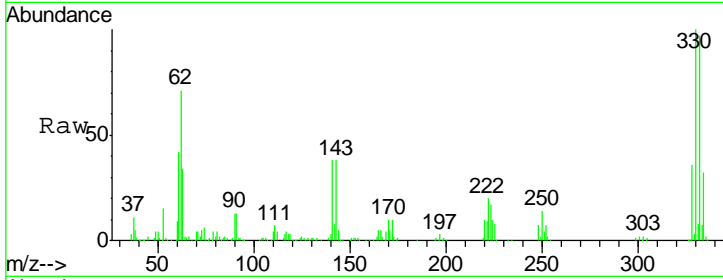




#66
 4-Bromophenyl-phenylether
 Concen: 4.15 ng
 RT: 10.69 min Scan# 735
 Delta R.T. -0.27 min
 Lab File: BF091347.D
 Acq: 30 Nov 2016 11:55

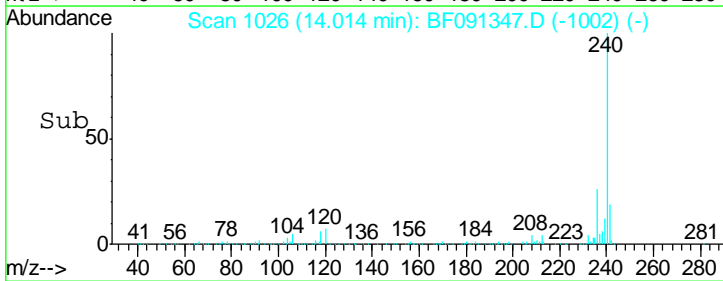
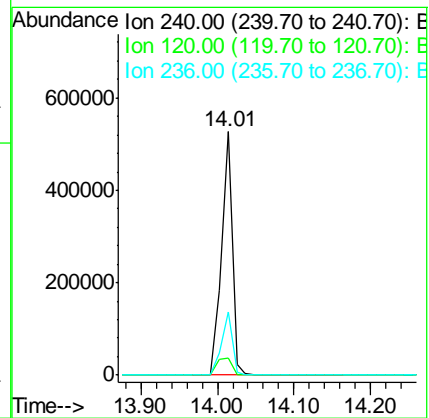
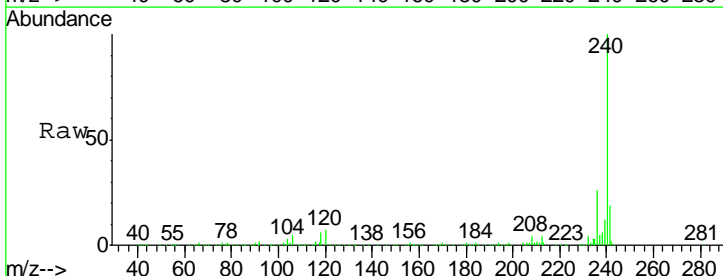
Instrument :
 BNA_F
 ClientSampled :

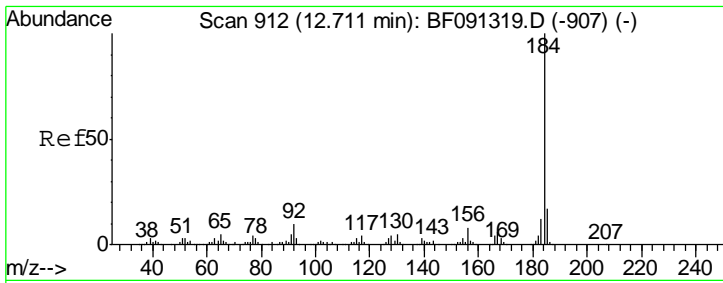
| Tgt Ion | Resp | Lower | Upper |
|---------|-------|-------|--------|
| 248 | 100 | | |
| 250 | 189.7 | 78.2 | 117.4# |
| 141 | 527.4 | 71.9 | 107.9# |



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 1026
 Delta R.T. -0.03 min
 Lab File: BF091347.D
 Acq: 30 Nov 2016 11:55

| Tgt Ion | Resp | Lower | Upper |
|---------|------|-------|-------|
| 240 | 100 | | |
| 120 | 7.1 | 12.1 | 18.1# |
| 236 | 25.9 | 21.0 | 31.6 |



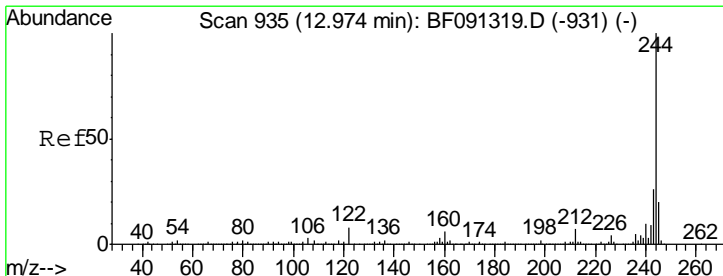
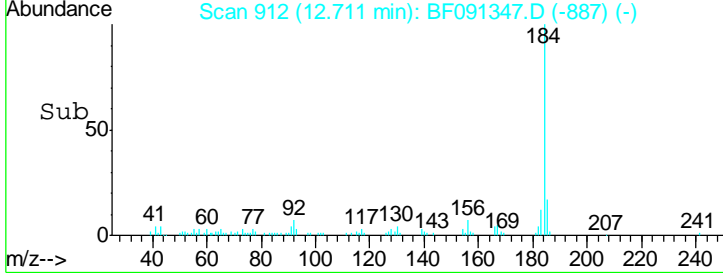
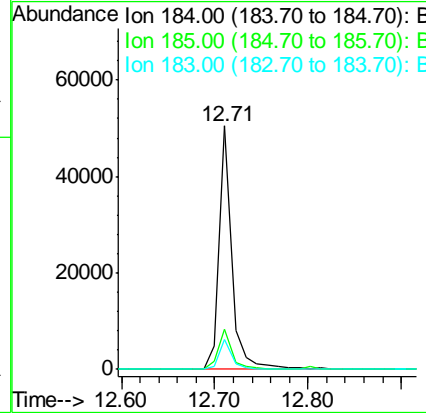
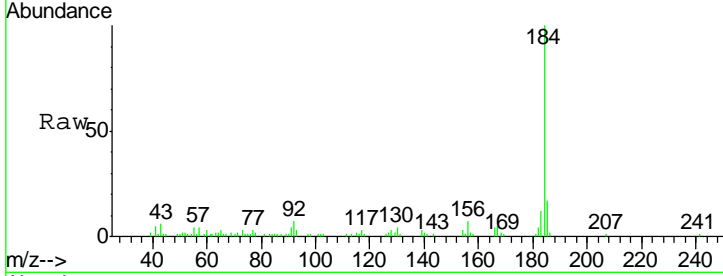


#76
Benzidine
Concen: 3.18 ng
RT: 12.71 min Scan# 912
Delta R.T. -0.02 min
Lab File: BF091347.D
Acq: 30 Nov 2016 11:55

Instrument :
BNA_F
ClientSampled :

Tgt Ion: 184 Resp: 47949

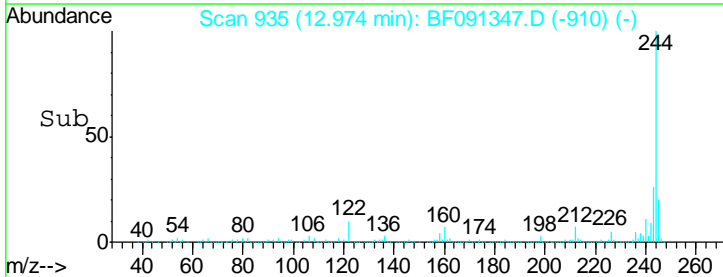
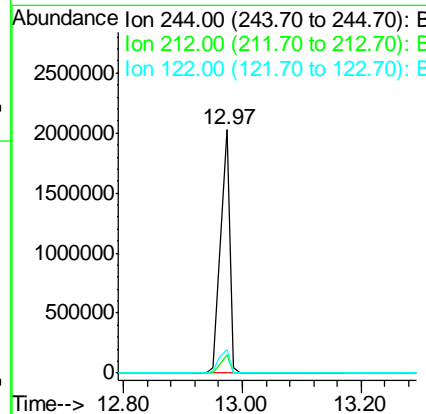
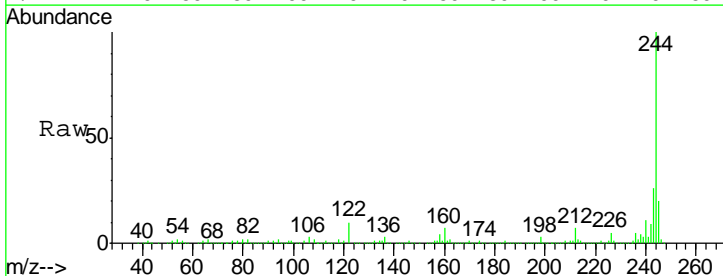
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100 | | |
| 185 | 16.7 | 13.1 | 19.7 |
| 183 | 12.3 | 8.9 | 13.3 |

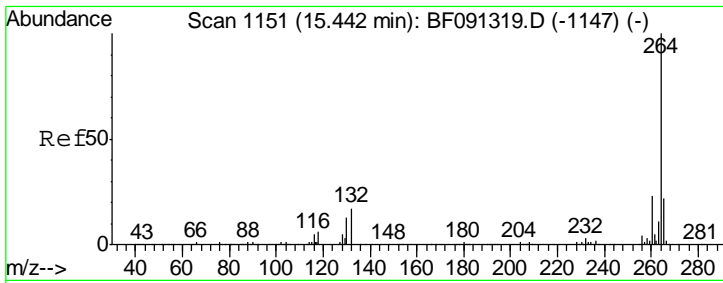


#78
Terphenyl-d14
Concen: 89.79 ng
RT: 12.97 min Scan# 935
Delta R.T. -0.02 min
Lab File: BF091347.D
Acq: 30 Nov 2016 11:55

Tgt Ion: 244 Resp: 2119189

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100 | | |
| 212 | 7.3 | 6.5 | 9.7 |
| 122 | 9.5 | 9.5 | 14.3# |





#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1151
 Delta R.T. -0.03 min
 Lab File: BF091347.D
 Acq: 30 Nov 2016 11:55

Instrument :
 BNA_F
 ClientSampled :

| Tot Ion | 264 | 260 | 265 |
|-----------|--------|------|------|
| Resp: | 393854 | | |
| Ion Ratio | 100 | 23.5 | 21.6 |
| Lower | | 18.8 | 17.0 |
| Upper | | 28.2 | 25.6 |

