

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042617\  
 Data File : BF094642.D  
 Acq On : 26 Apr 2017 13:10  
 Operator : SJ/MA  
 Sample : PB98542BL  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 27 01:21:15 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 17 14:59:23 2017  
 Response via : Initial Calibration

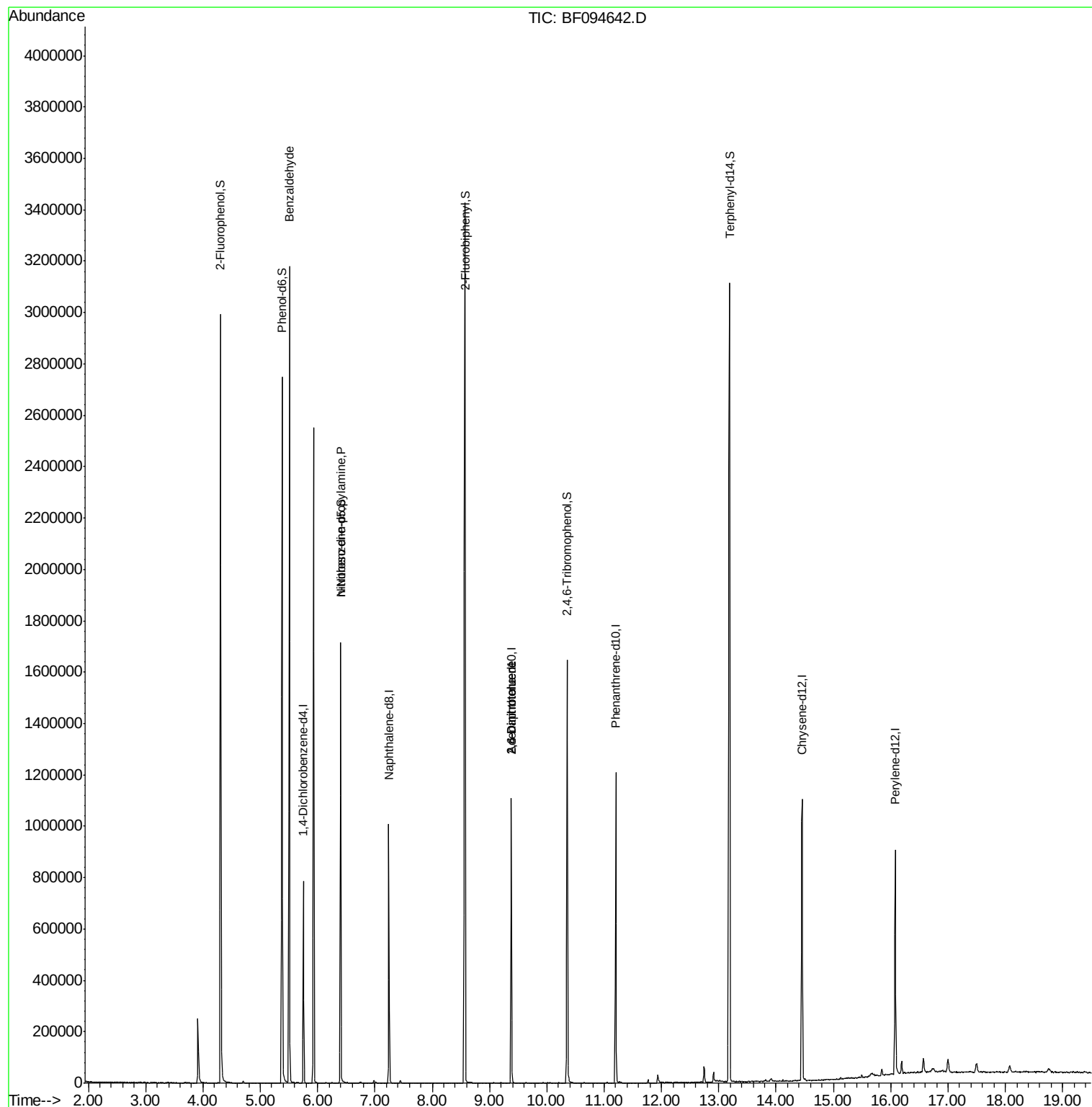
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 5.75  | 152  | 126501   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8             | 7.24  | 136  | 505901   | 20.00  | ng    | -0.02     |
| 38) Acenaphthene-d10           | 9.38  | 164  | 234928   | 20.00  | ng    | -0.02     |
| 63) Phenanthrene-d10           | 11.20 | 188  | 481764   | 20.00  | ng    | -0.02     |
| 75) Chrysene-d12               | 14.45 | 240  | 439327   | 20.00  | ng    | -0.01     |
| 86) Perylene-d12               | 16.08 | 264  | 352138   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 4.31  | 112  | 908114   | 119.10 | ng    | 0.00      |
| 7) Phenol-d6                   | 5.38  | 99   | 1102961  | 122.70 | ng    | 0.00      |
| 23) Nitrobenzene-d5            | 6.40  | 82   | 674435   | 82.32  | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol       | 10.36 | 330  | 218486   | 118.90 | ng    | -0.01     |
| 44) 2-Fluorobiphenyl           | 8.57  | 172  | 1288027  | 80.67  | ng    | -0.01     |
| 78) Terphenyl-d14              | 13.19 | 244  | 1353837  | 82.37  | ng    | 0.00      |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 5.51  | 77   | 17641    | 2.58   | ng    | Qvalue 85 |
| 19) n-Nitroso-di-n-propylamine | 6.40  | 70   | 87673    | 14.72  | ng    | # 77      |
| 50) 2,6-Dinitrotoluene         | 9.38  | 165  | 30528    | 7.77   | ng    | # 33      |
| 56) 2,4-Dinitrotoluene         | 9.38  | 165  | 30527    | 6.33   | ng    | # 32      |

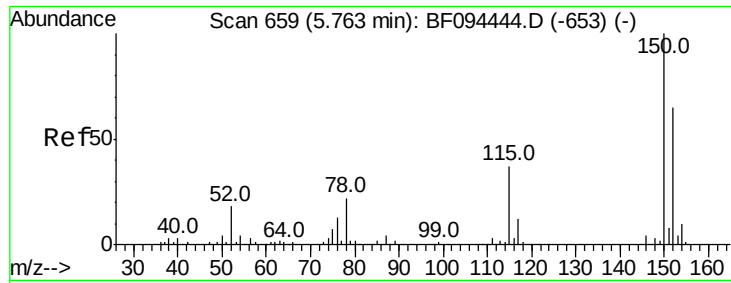
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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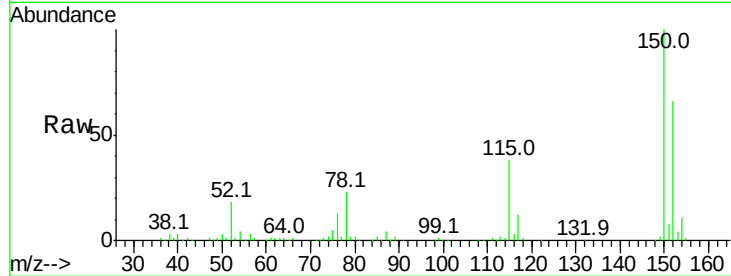


#1

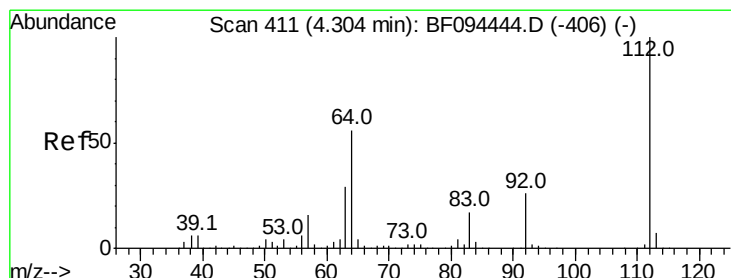
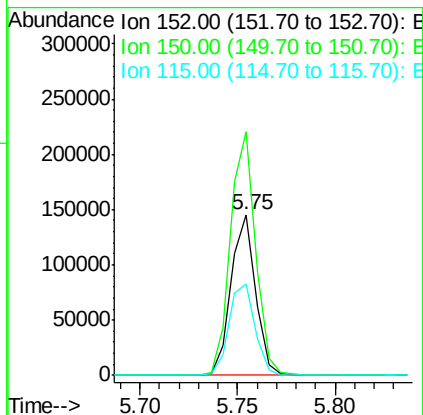
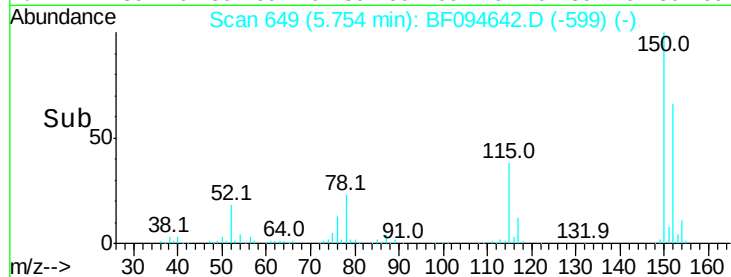
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.75 min Scan# 649  
Delta R.T. -0.01 min  
Lab File: BF094642.D  
Acq: 26 Apr 2017 13:10

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:152 Resp: 126501  
Ion Ratio Lower Upper  
152 100  
150 151.4 126.2 189.2  
115 57.1 52.2 78.2



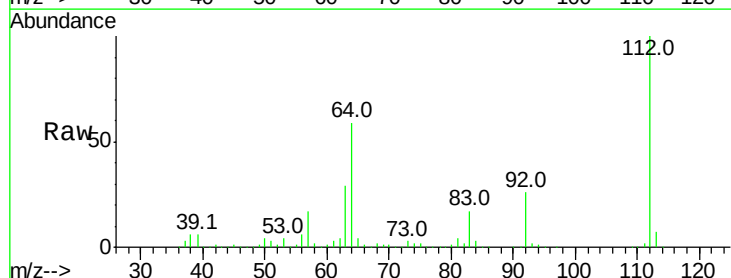
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



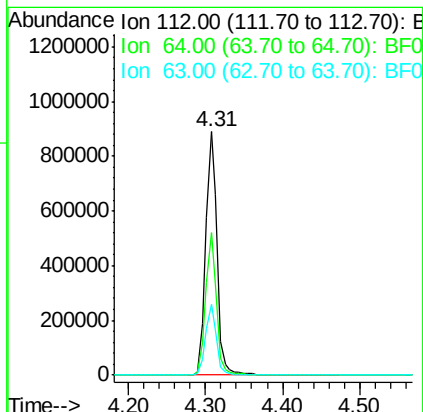
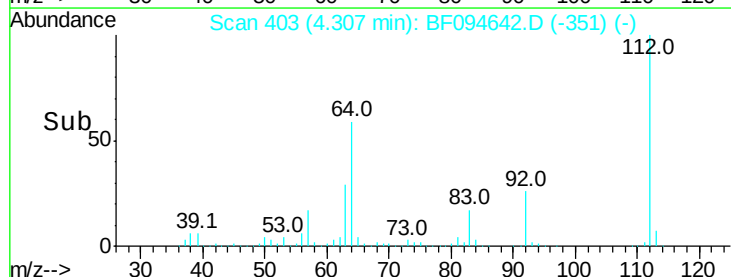
#5

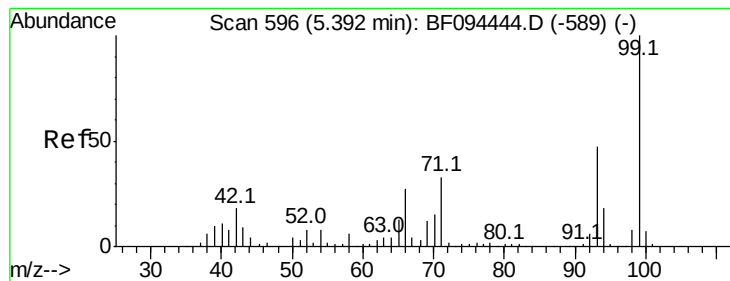
2-Fluorophenol  
Concen: 119.10 ng  
RT: 4.31 min Scan# 403  
Delta R.T. 0.00 min  
Lab File: BF094642.D  
Acq: 26 Apr 2017 13:10

Tgt Ion:112 Resp: 908114  
Ion Ratio Lower Upper  
112 100  
64 58.6 46.0 69.0  
63 28.9 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.70 ng

RT: 5.38 min Scan# 586

Delta R.T. -0.01 min

Lab File: BF094642.D

Acq: 26 Apr 2017 13:10

Instrument :

BNA\_F

ClientSampleId :

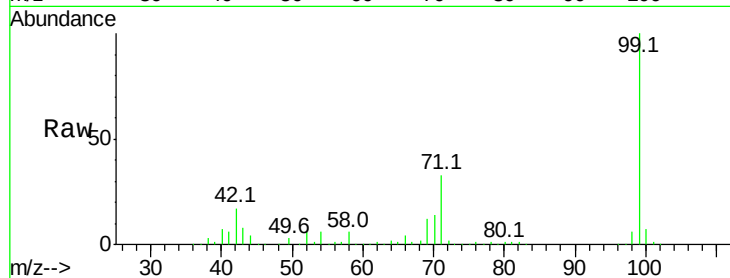
Tot Ion: 99 Resp: 1102961

Ion Ratio Lower Upper

99 100

42 16.5 13.5 20.3

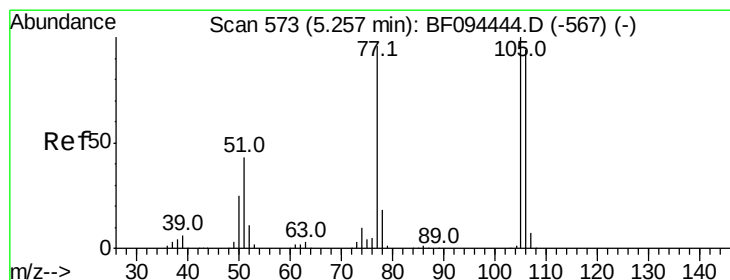
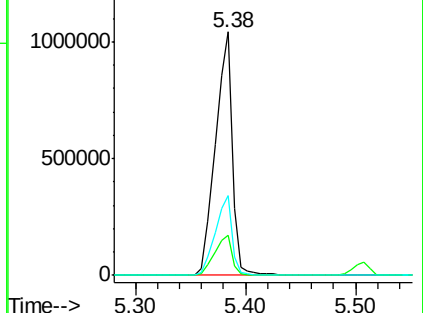
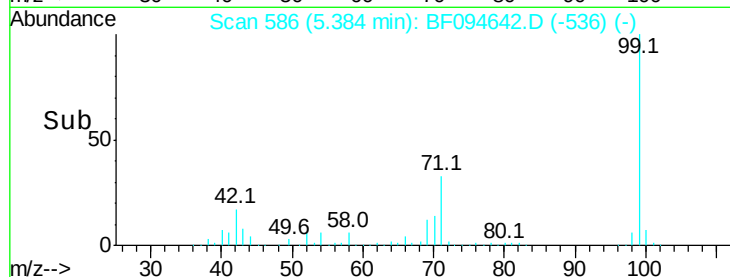
71 32.6 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.58 ng

RT: 5.51 min Scan# 607

Delta R.T. 0.25 min

Lab File: BF094642.D

Acq: 26 Apr 2017 13:10

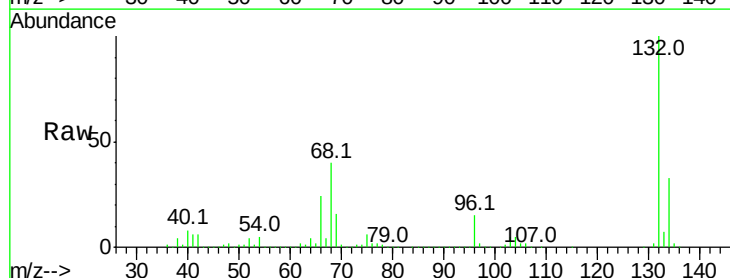
Tgt Ion: 77 Resp: 17641

Ion Ratio Lower Upper

77 100

105 84.9 83.8 123.8

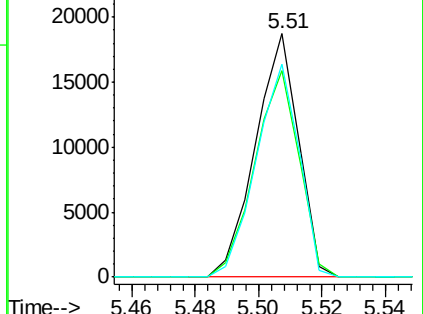
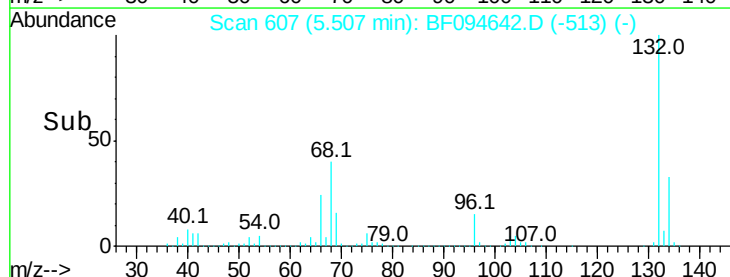
106 87.5 79.1 119.1

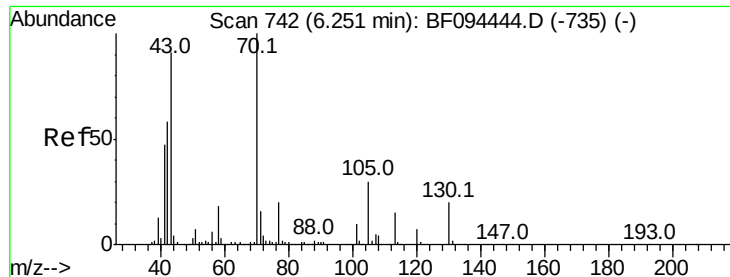


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

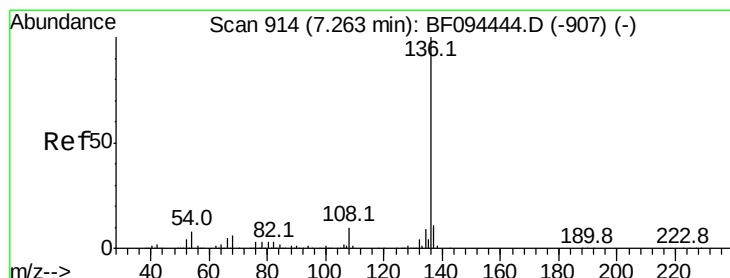
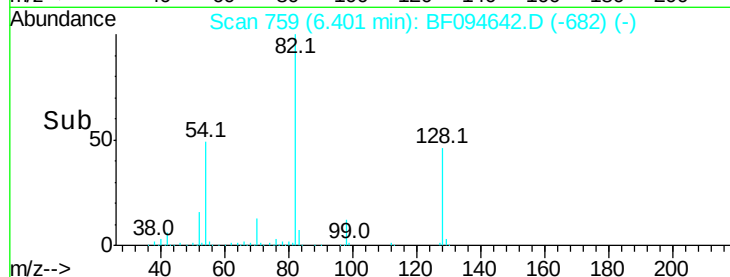
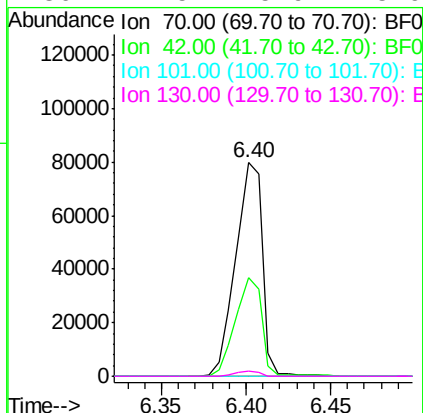
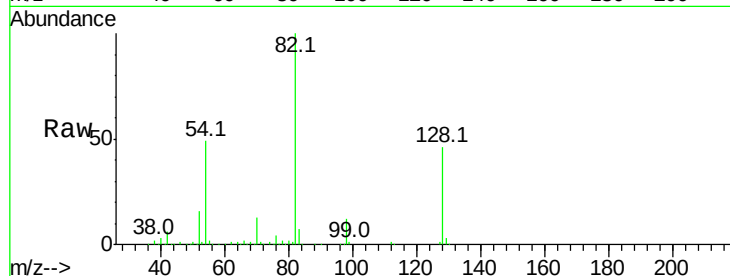




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.72 ng  
RT: 6.40 min Scan# 759  
Delta R.T. 0.15 min  
Lab File: BF094642.D  
Acq: 26 Apr 2017 13:10

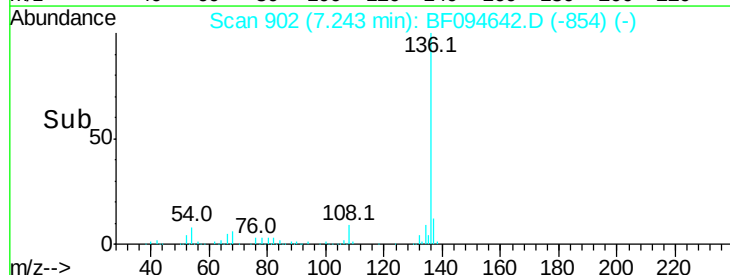
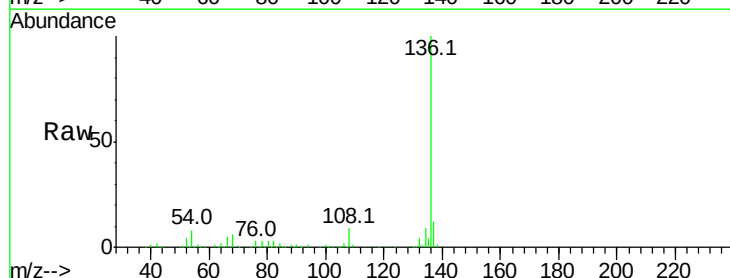
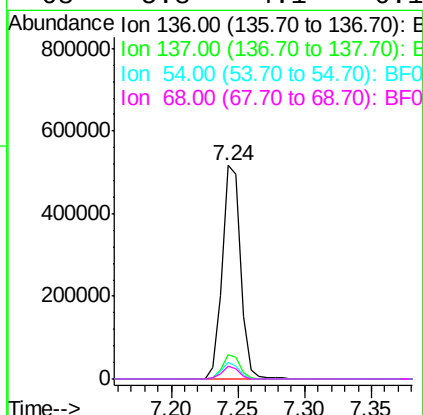
Instrument :  
BNA\_F  
ClientSampleId :

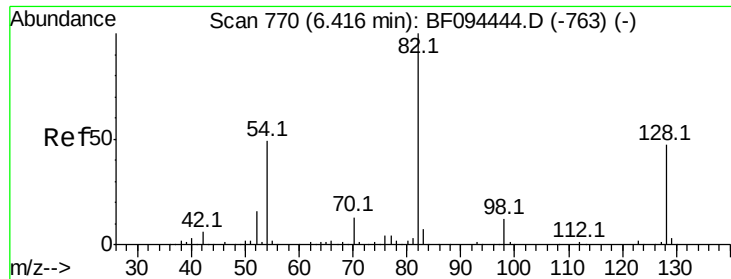
Tot Ion: 70 Resp: 87673  
Ion Ratio Lower Upper  
70 100  
42 46.2 47.2 70.8#  
101 0.0 7.2 10.8#  
130 2.5 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.24 min Scan# 902  
Delta R.T. -0.02 min  
Lab File: BF094642.D  
Acq: 26 Apr 2017 13:10

Tgt Ion: 136 Resp: 505901  
Ion Ratio Lower Upper  
136 100  
137 11.5 8.5 12.7  
54 7.9 4.9 7.3#  
68 5.8 4.1 6.1

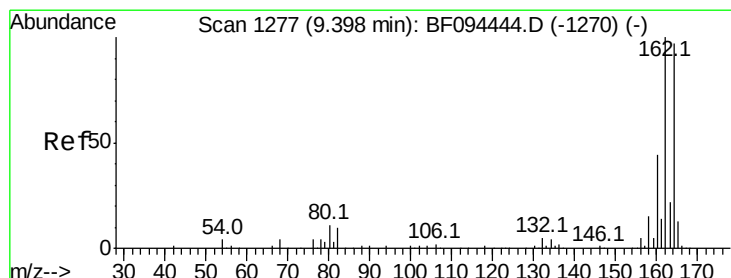
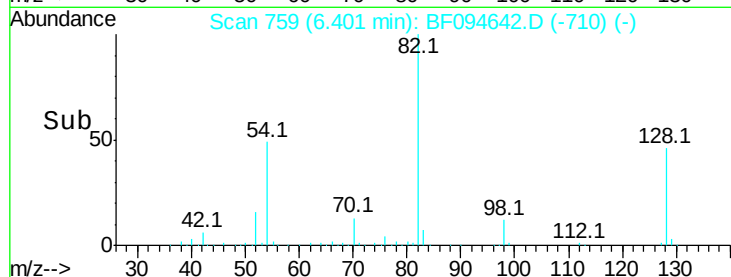
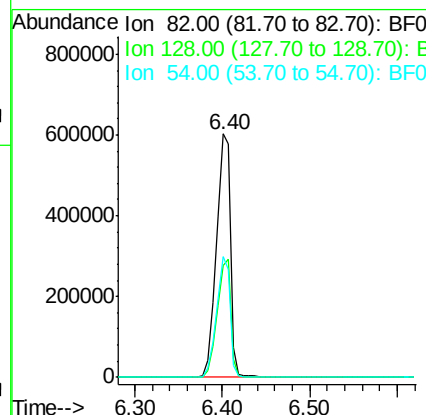
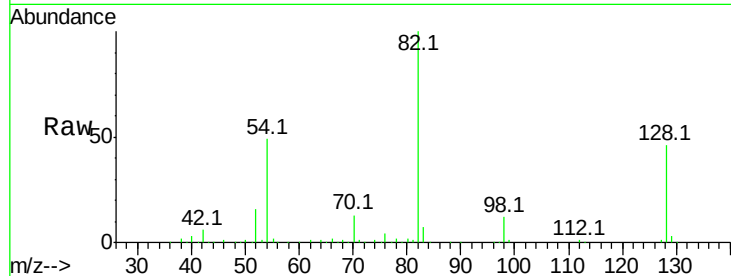




#23  
 Nitrobenzene-d5  
 Concen: 82.32 ng  
 RT: 6.40 min Scan# 759  
 Delta R.T. -0.01 min  
 Lab File: BF094642.D  
 Acq: 26 Apr 2017 13:10

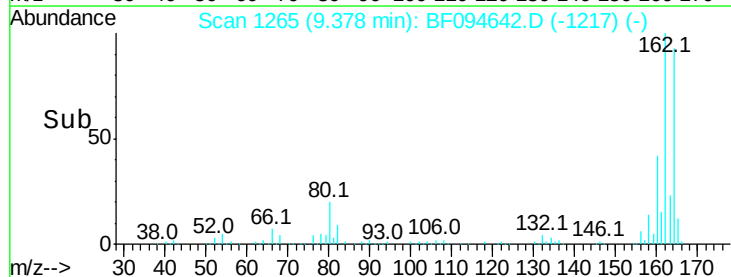
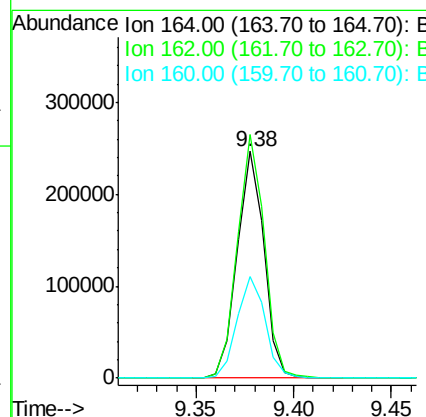
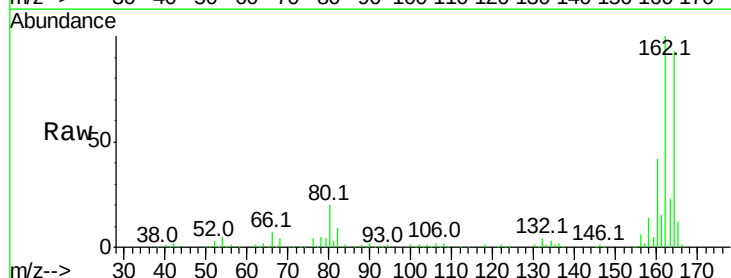
Instrument :  
 BNA\_F  
 ClientSampleId :

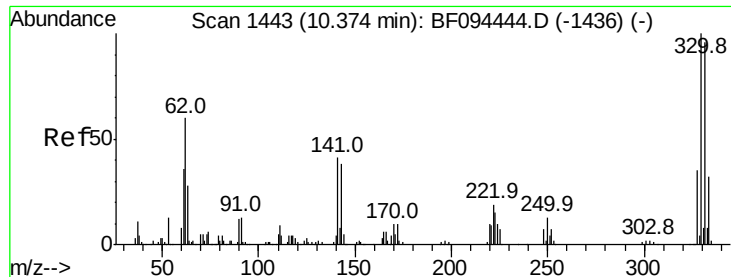
Tot Ion: 82 Resp: 674435  
 Ion Ratio Lower Upper  
 82 100  
 128 45.7 34.0 51.0  
 54 49.3 42.2 63.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.38 min Scan# 1265  
 Delta R.T. -0.02 min  
 Lab File: BF094642.D  
 Acq: 26 Apr 2017 13:10

Tgt Ion:164 Resp: 234928  
 Ion Ratio Lower Upper  
 164 100  
 162 107.5 82.6 123.8  
 160 44.9 36.2 54.2

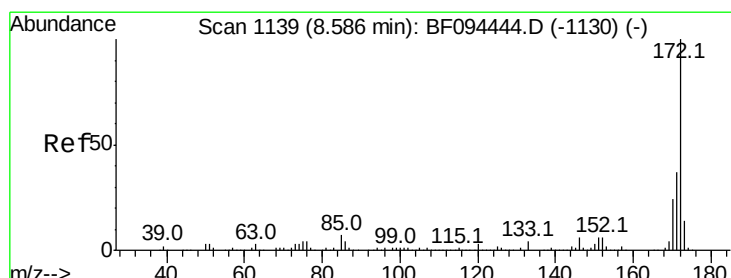
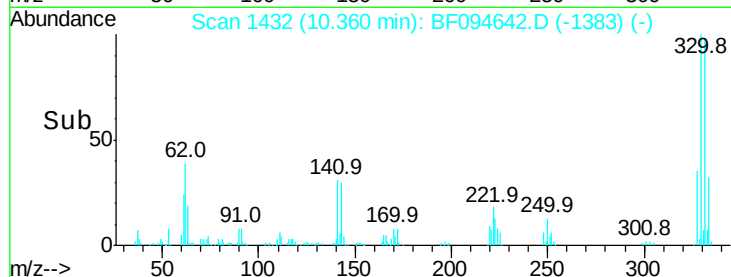
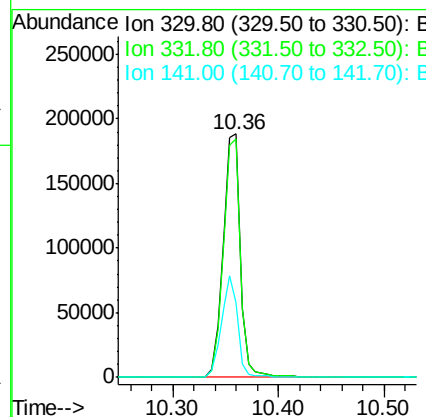
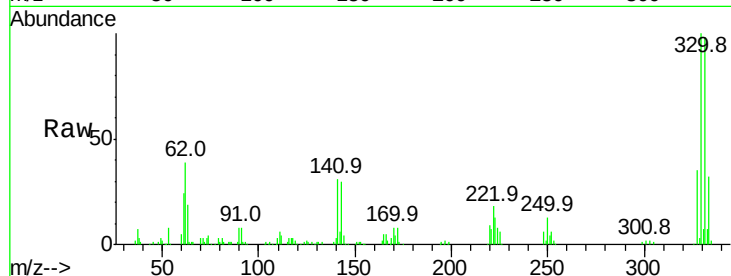




#41  
 2,4,6-Tribromophenol  
 Concen: 118.90 ng  
 RT: 10.36 min Scan# 1432  
 Delta R.T. -0.01 min  
 Lab File: BF094642.D  
 Acq: 26 Apr 2017 13:10

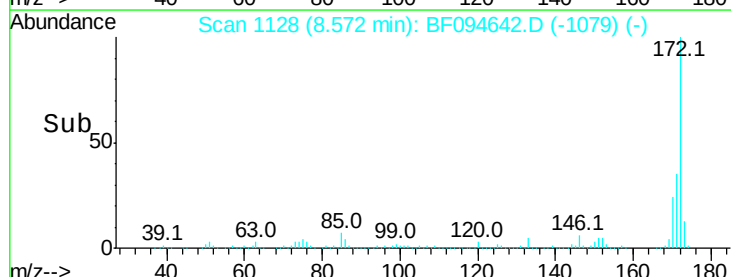
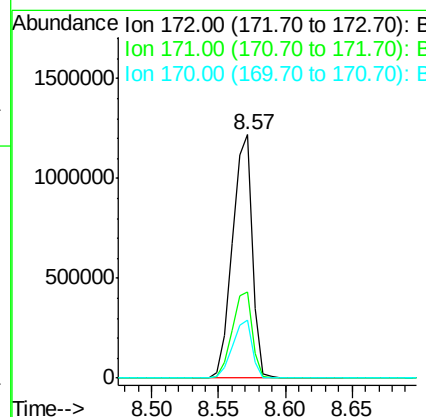
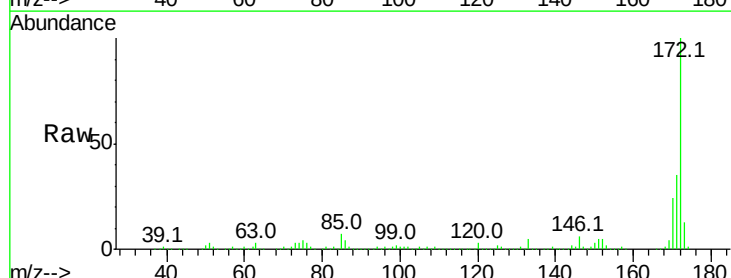
Instrument :  
 BNA\_F  
 ClientSampleId :

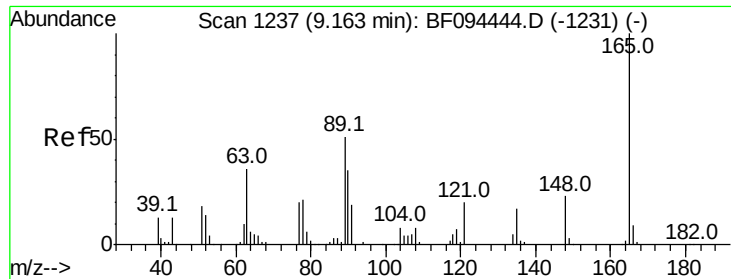
Tot Ion:330 Resp: 218486  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 76.6 115.0  
 141 39.4 31.4 47.2



#44  
 2-Fluorobiphenyl  
 Concen: 80.67 ng  
 RT: 8.57 min Scan# 1128  
 Delta R.T. -0.01 min  
 Lab File: BF094642.D  
 Acq: 26 Apr 2017 13:10

Tgt Ion:172 Resp: 1288027  
 Ion Ratio Lower Upper  
 172 100  
 171 35.5 29.6 44.4  
 170 23.9 19.8 29.8

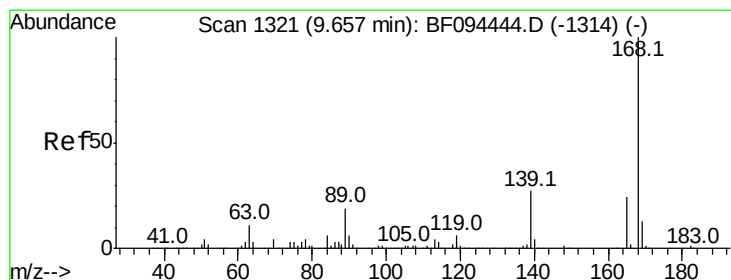
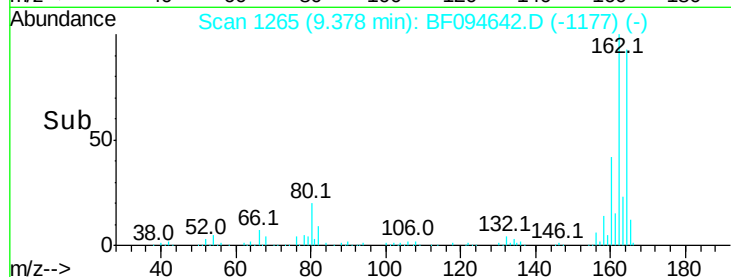
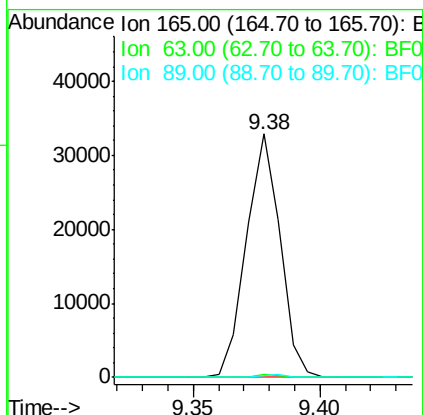
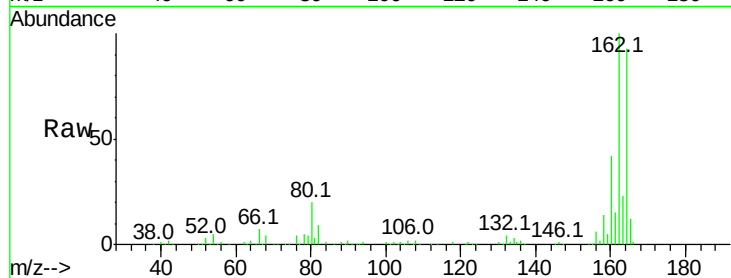




#50  
 2,6-Dinitrotoluene  
 Concen: 7.77 ng  
 RT: 9.38 min Scan# 1265  
 Delta R.T. 0.21 min  
 Lab File: BF094642.D  
 Acq: 26 Apr 2017 13:10

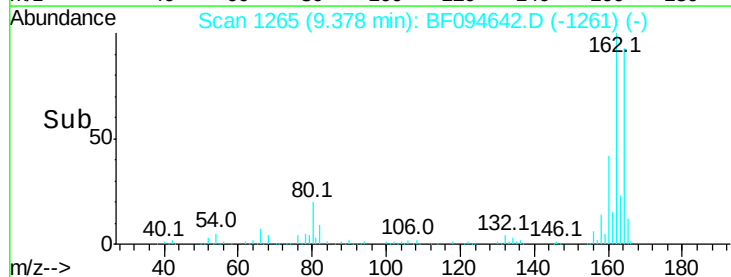
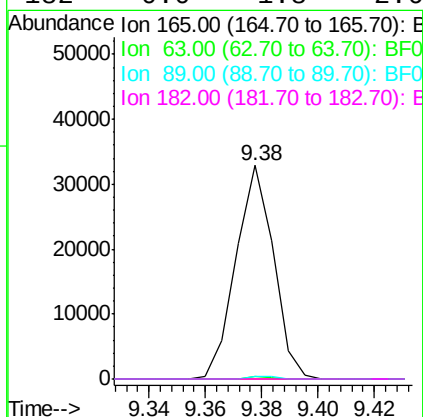
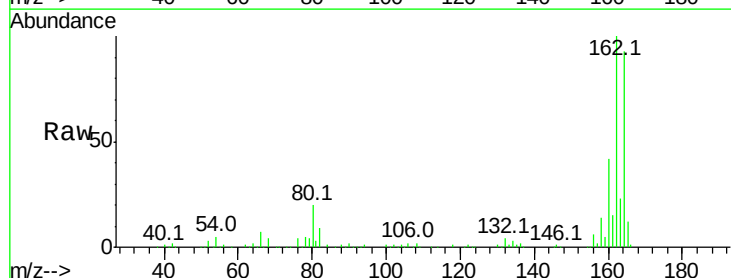
Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 34.3  | 51.5# |
| 89      | 0.9   | 37.1  | 55.7# |

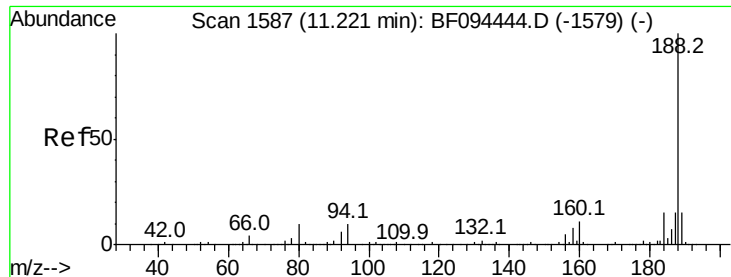


#56  
 2,4-Dinitrotoluene  
 Concen: 6.33 ng  
 RT: 9.38 min Scan# 1265  
 Delta R.T. -0.28 min  
 Lab File: BF094642.D  
 Acq: 26 Apr 2017 13:10

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 25.4  | 38.0# |
| 89      | 0.9   | 46.4  | 69.6# |
| 182     | 0.0   | 1.8   | 2.6#  |



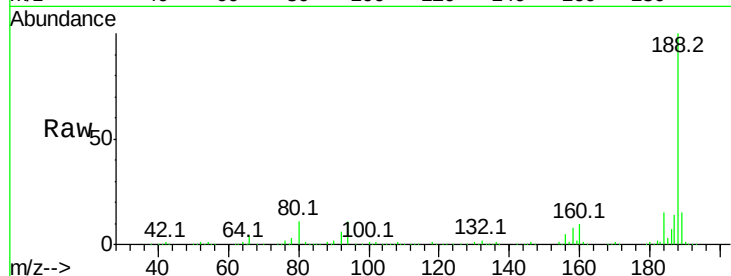




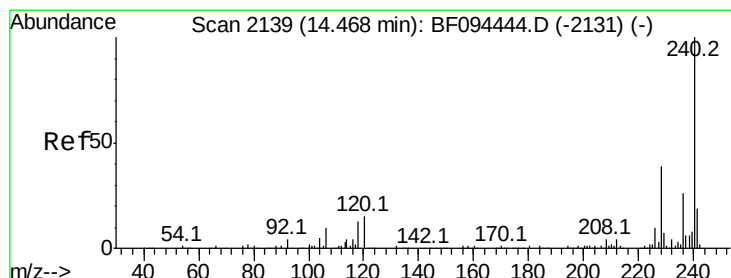
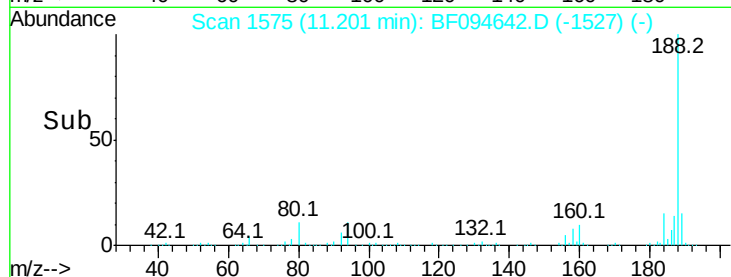
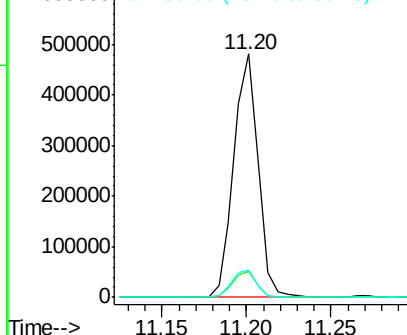
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.20 min Scan# 1575  
Delta R.T. -0.02 min  
Lab File: BF094642.D  
Acq: 26 Apr 2017 13:10

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:188 Resp: 481764  
Ion Ratio Lower Upper  
188 100  
94 10.9 9.4 14.2  
80 11.3 10.2 15.2

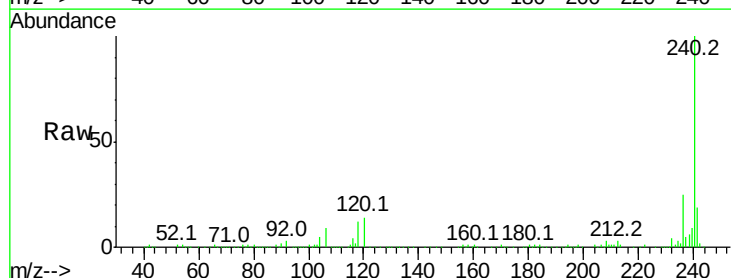


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

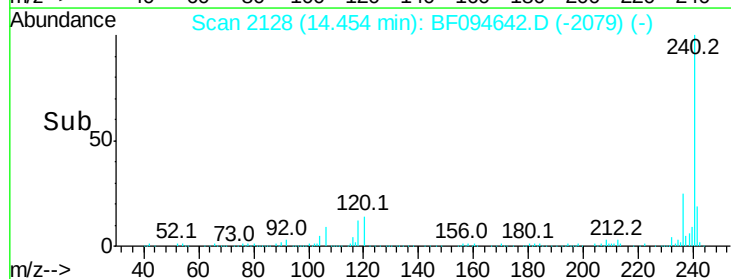
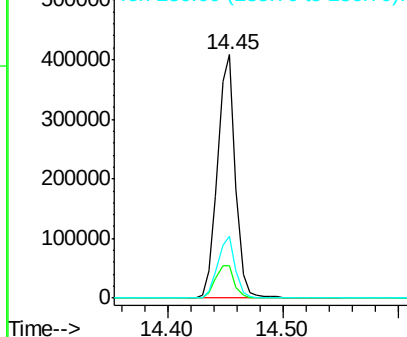


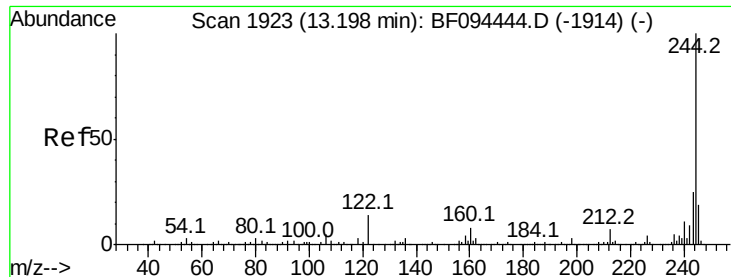
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.45 min Scan# 2128  
Delta R.T. -0.01 min  
Lab File: BF094642.D  
Acq: 26 Apr 2017 13:10

Tgt Ion:240 Resp: 439327  
Ion Ratio Lower Upper  
240 100  
120 13.5 5.8 8.8#  
236 25.3 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 82.37 ng

RT: 13.19 min Scan# 1913

Delta R.T. -0.01 min

Lab File: BF094642.D

Acq: 26 Apr 2017 13:10

Instrument :

BNA\_F

ClientSampleId :

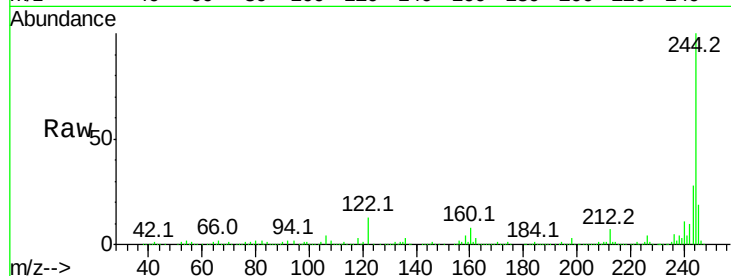
Tot Ion:244 Resp: 1353837

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

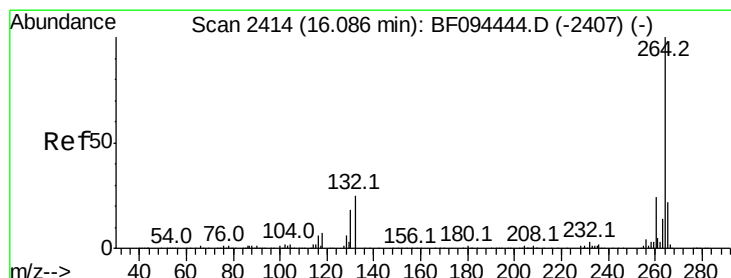
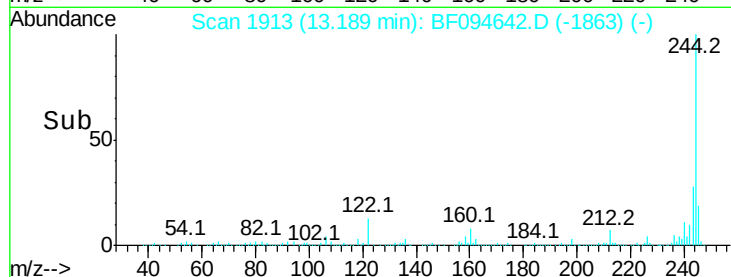
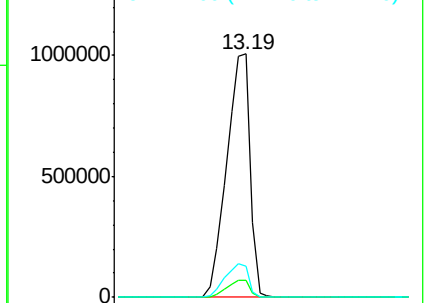
122 12.8 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.08 min Scan# 2404

Delta R.T. -0.01 min

Lab File: BF094642.D

Acq: 26 Apr 2017 13:10

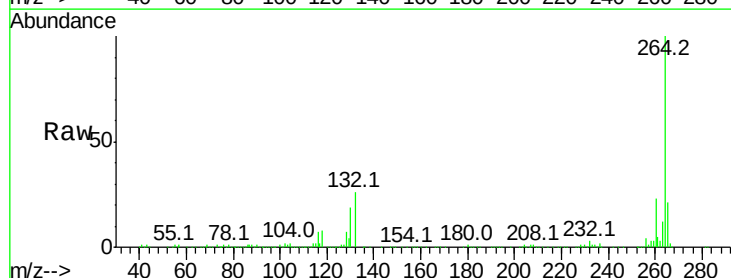
Tgt Ion:264 Resp: 352138

Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

265 20.9 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

