

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120816\  
 Data File : BF091504.D  
 Acq On : 8 Dec 2016 16:02  
 Operator : UM/SJ  
 Sample : H5867-06  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 N002-WD-A5-03-01

Quant Time: Dec 09 00:20:09 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF112916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Dec 09 00:14:41 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 161218   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.10  | 136  | 635505   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.85  | 164  | 274407   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.34 | 188  | 632914   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.97 | 240  | 403531   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.37 | 264  | 28759    | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.43  | 112  | 1040576  | 105.44 | ng    | 0.02     |
| 7) Phenol-d6                | 6.46  | 99   | 1042165  | 85.79  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 839919   | 74.07  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 441442   | 169.93 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.18  | 172  | 1575316  | 103.95 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.93 | 244  | 1797723  | 96.83  | ng    | 0.00     |

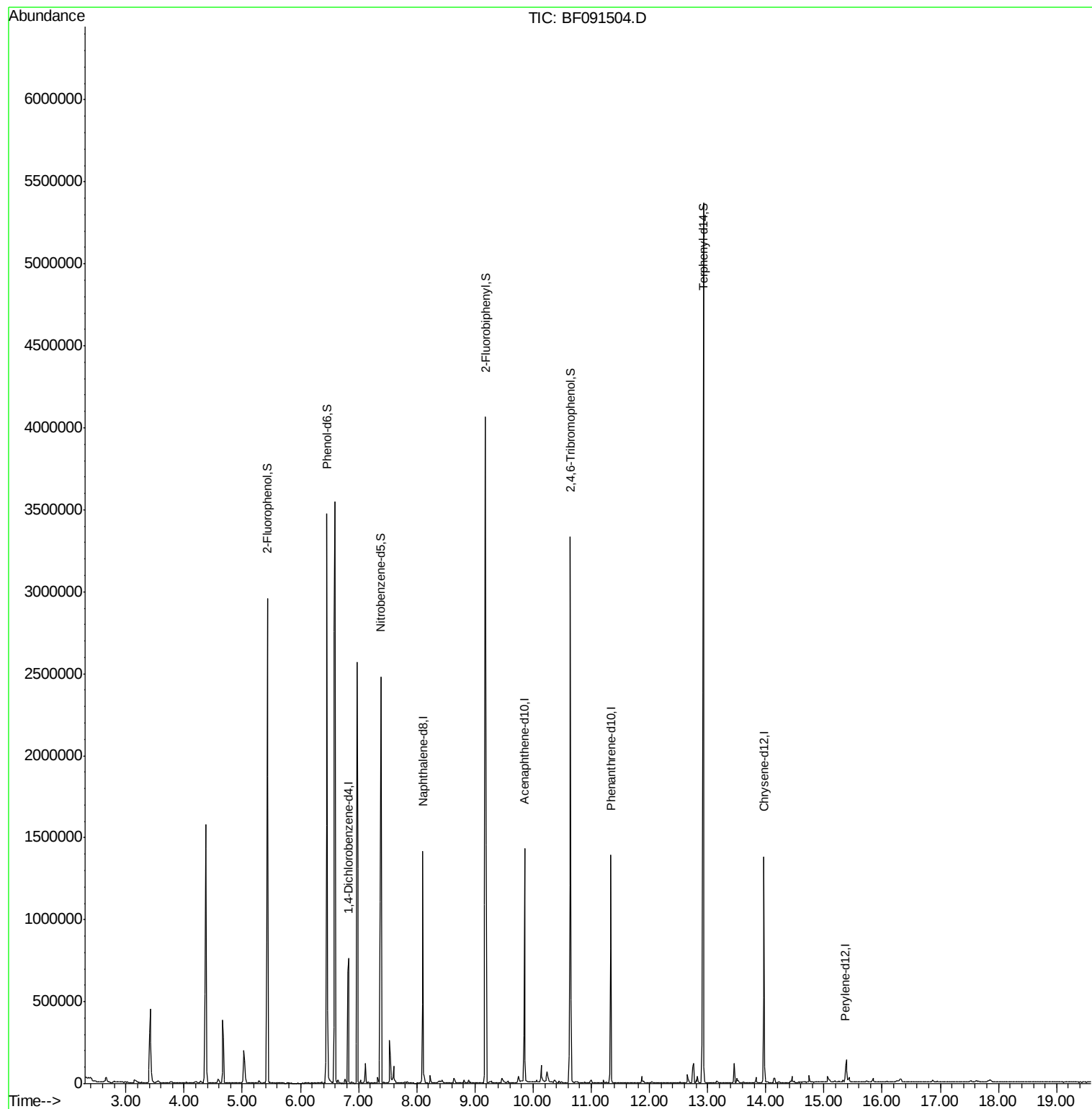
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

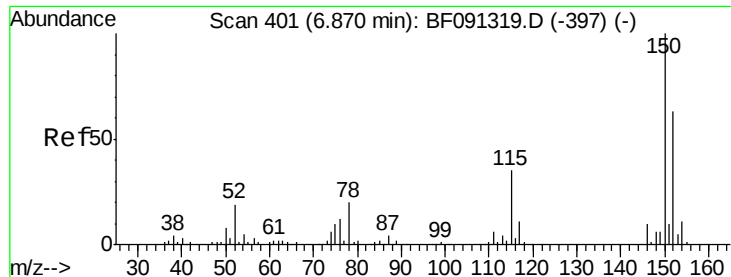
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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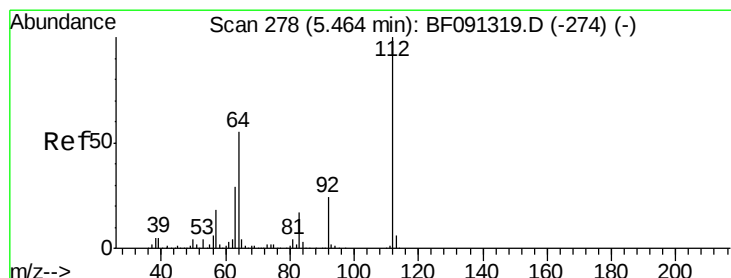
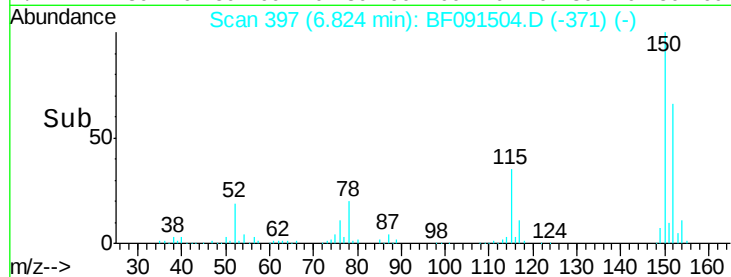
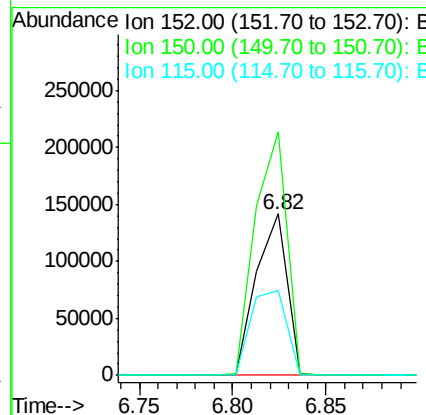
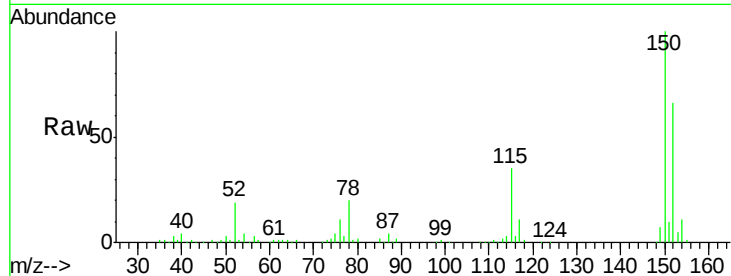


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.82 min Scan# 397  
Delta R.T. -0.00 min  
Lab File: BF091504.D  
Acq: 8 Dec 2016 16:02

Instrument :  
BNA\_F  
ClientSampleId :  
N002-WD-A5-03-01

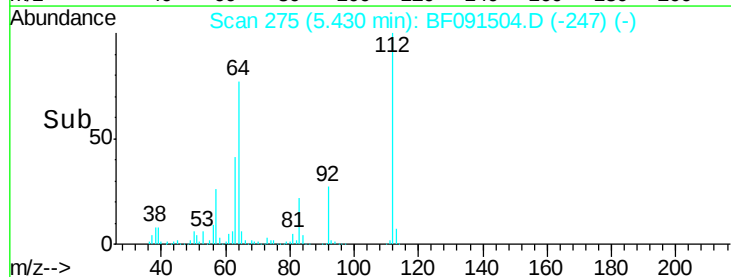
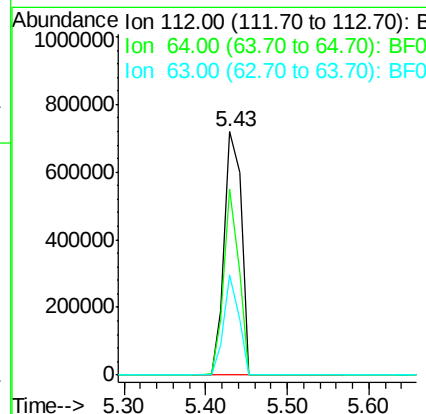
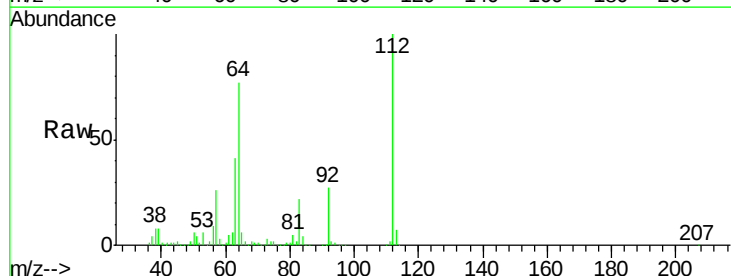
Tgt Ion:152 Resp: 161218  
Ion Ratio Lower Upper  
152 100  
150 151.2 122.5 183.7  
115 52.5 51.8 77.8

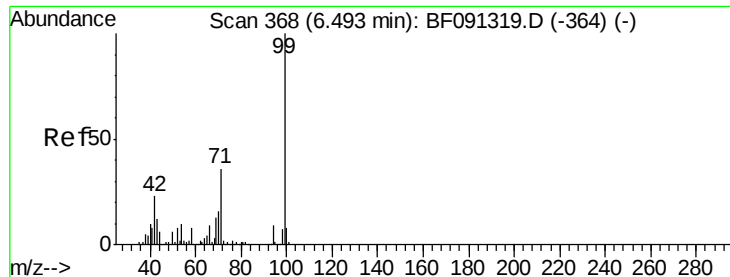


#5

2-Fluorophenol  
Concen: 105.44 ng  
RT: 5.43 min Scan# 275  
Delta R.T. 0.02 min  
Lab File: BF091504.D  
Acq: 8 Dec 2016 16:02

Tgt Ion:112 Resp: 1040576  
Ion Ratio Lower Upper  
112 100  
64 76.6 61.5 92.3  
63 41.0 33.3 49.9





#7

Phenol-d6

Concen: 85.79 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF091504.D

Acq: 8 Dec 2016 16:02

Instrument :

BNA\_F

ClientSampleId :

N002-WD-A5-03-01

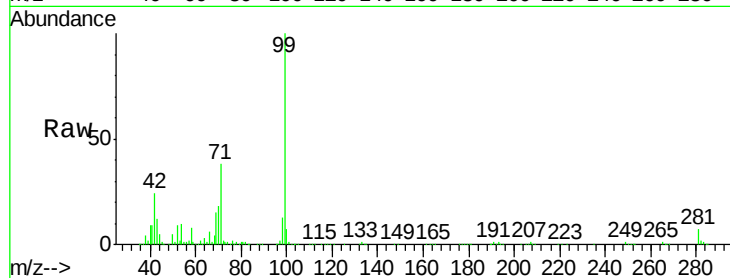
Tgt Ion: 99 Resp: 1042165

Ion Ratio Lower Upper

99 100

42 23.8 20.6 31.0

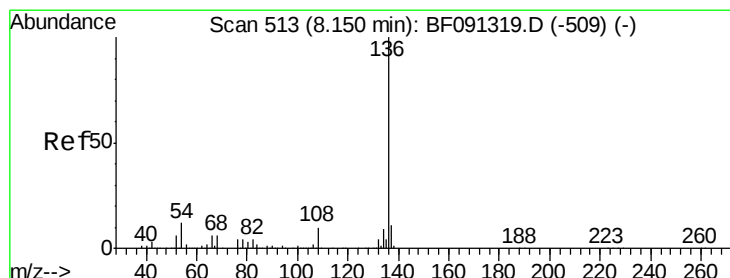
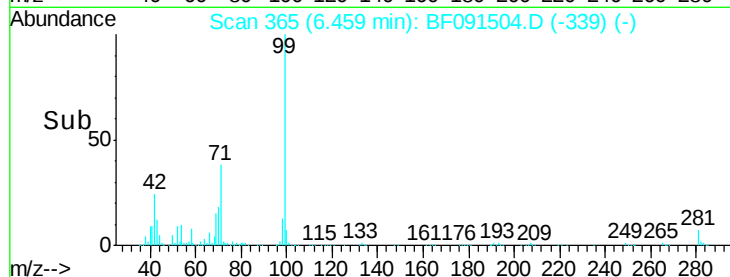
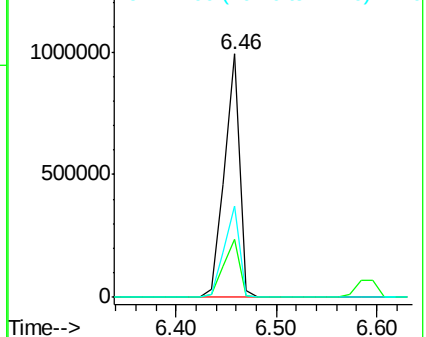
71 37.6 29.9 44.9



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 509

Delta R.T. -0.00 min

Lab File: BF091504.D

Acq: 8 Dec 2016 16:02

Tgt Ion: 136 Resp: 635505

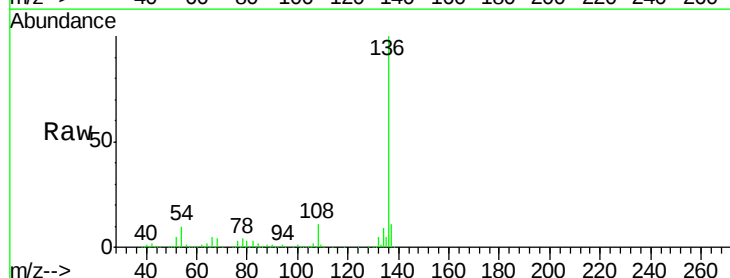
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 9.7 9.1 13.7

68 4.2 5.9 8.9#

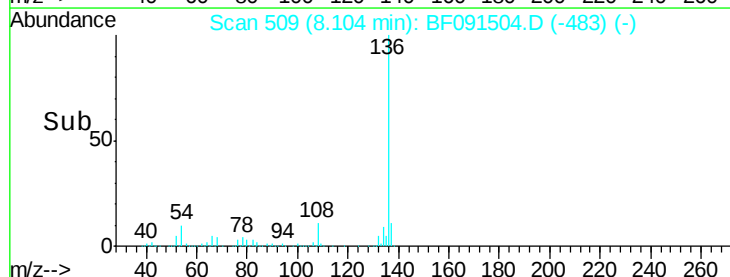
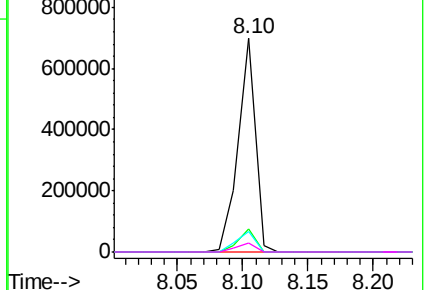


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

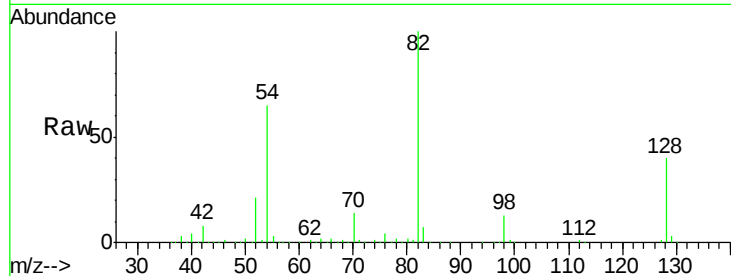




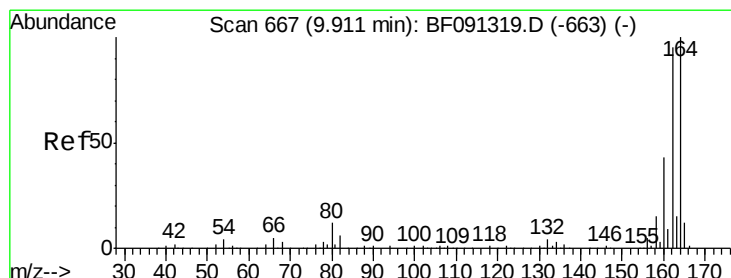
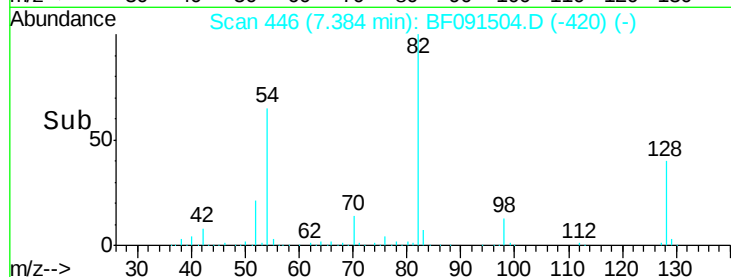
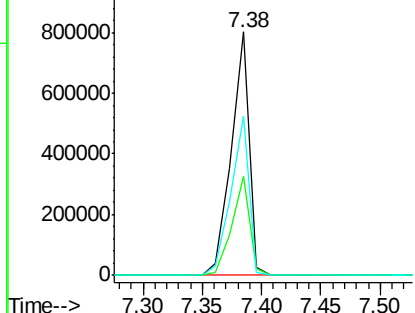
#23  
 Nitrobenzene-d5  
 Concen: 74.07 ng  
 RT: 7.38 min Scan# 446  
 Delta R.T. -0.00 min  
 Lab File: BF091504.D  
 Acq: 8 Dec 2016 16:02

Instrument :  
 BNA\_F  
 ClientSampleId :  
 N002-WD-A5-03-01

Tgt Ion: 82 Resp: 839919  
 Ion Ratio Lower Upper  
 82 100  
 128 40.5 31.8 47.6  
 54 65.5 49.1 73.7

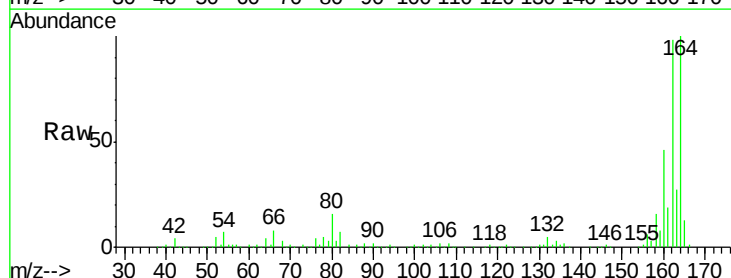


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

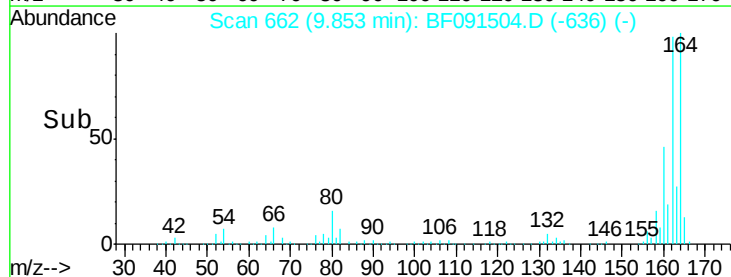
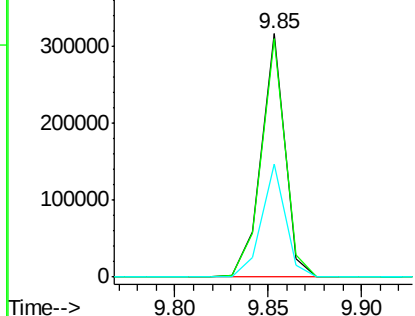


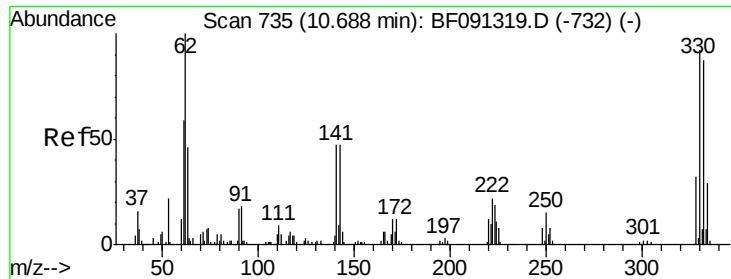
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.85 min Scan# 662  
 Delta R.T. -0.00 min  
 Lab File: BF091504.D  
 Acq: 8 Dec 2016 16:02

Tgt Ion: 164 Resp: 274407  
 Ion Ratio Lower Upper  
 164 100  
 162 98.2 82.6 124.0  
 160 46.5 36.7 55.1



Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

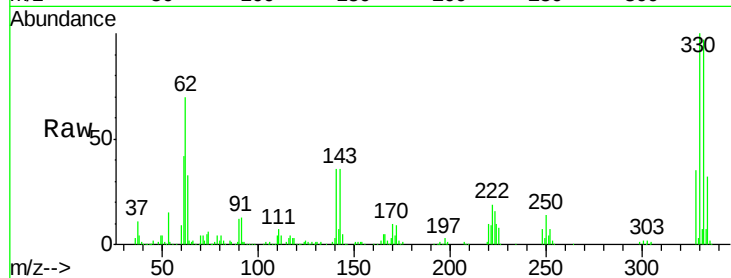




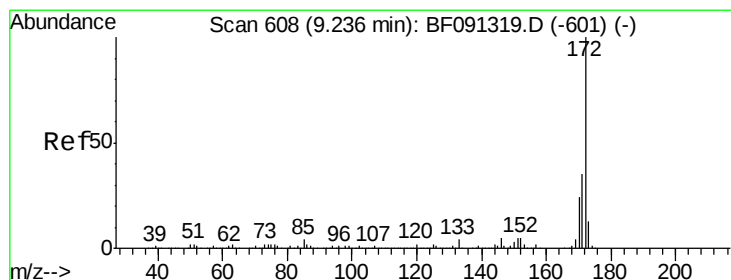
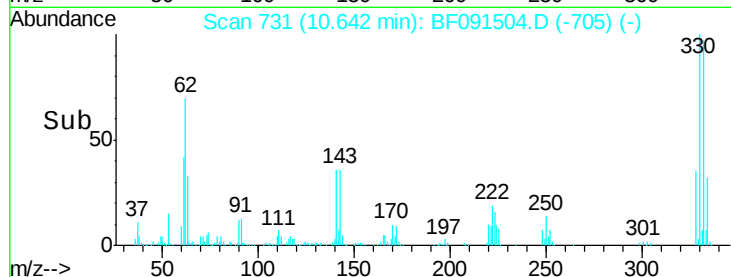
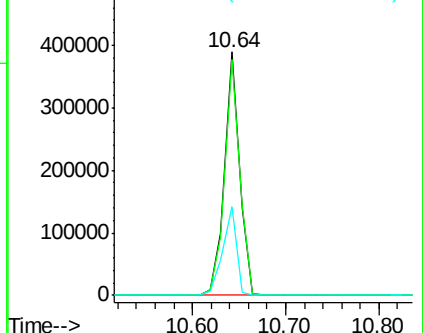
#41  
 2,4,6-Tribromophenol  
 Concen: 169.93 ng  
 RT: 10.64 min Scan# 731  
 Delta R.T. -0.00 min  
 Lab File: BF091504.D  
 Acq: 8 Dec 2016 16:02

Instrument :  
 BNA\_F  
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 N002-WD-A5-03-01

Tgt Ion:330 Resp: 441442  
 Ion Ratio Lower Upper  
 330 100  
 332 97.6 76.2 114.4  
 141 32.7 33.6 50.4#

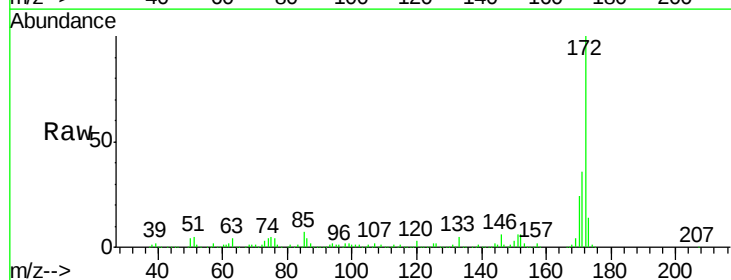


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

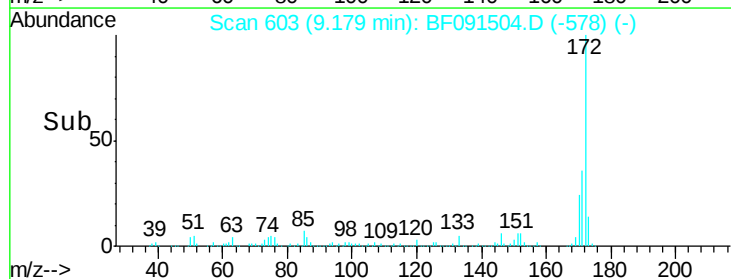
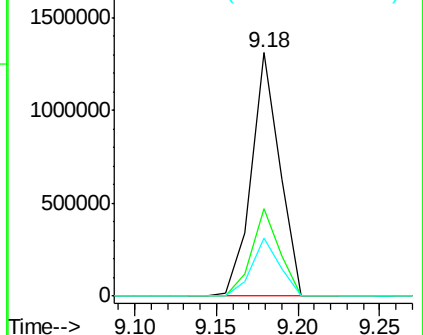


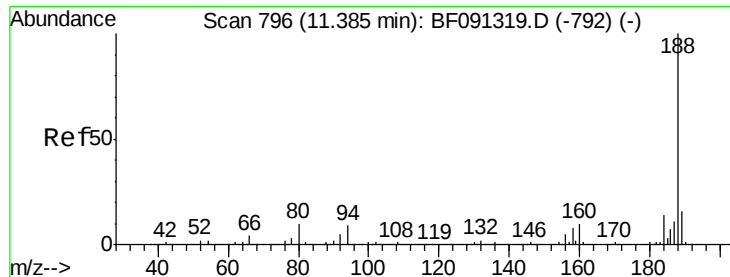
#44  
 2-Fluorobiphenyl  
 Concen: 103.95 ng  
 RT: 9.18 min Scan# 603  
 Delta R.T. -0.01 min  
 Lab File: BF091504.D  
 Acq: 8 Dec 2016 16:02

Tgt Ion:172 Resp: 1575316  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 29.4 44.0  
 170 23.9 19.7 29.5



Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

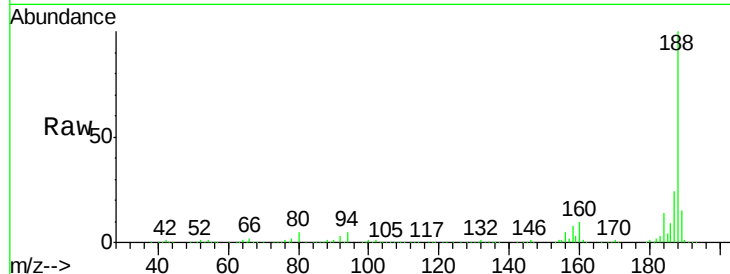




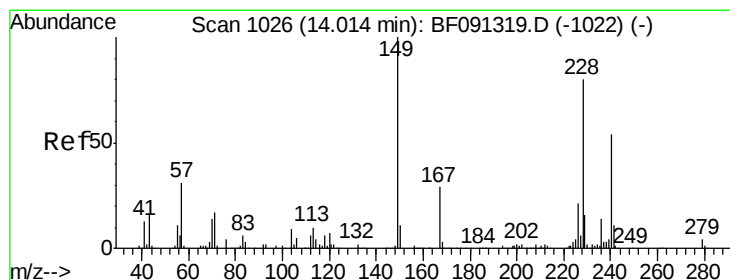
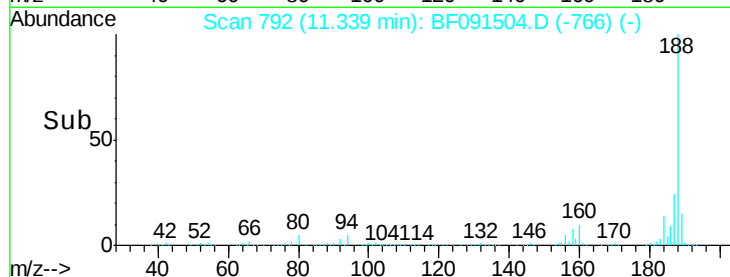
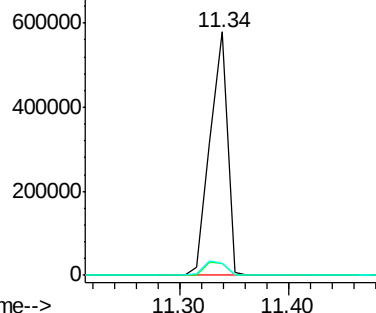
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.34 min Scan# 792  
Delta R.T. -0.00 min  
Lab File: BF091504.D  
Acq: 8 Dec 2016 16:02

Instrument :  
BNA\_F  
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N002-WD-A5-03-01

Tgt Ion:188 Resp: 632914  
Ion Ratio Lower Upper  
188 100  
94 4.8 9.2 13.8#  
80 4.9 10.5 15.7#

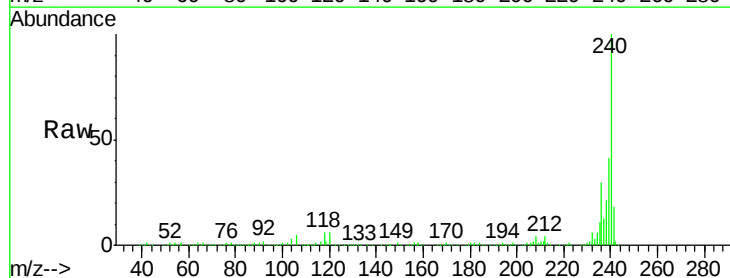


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

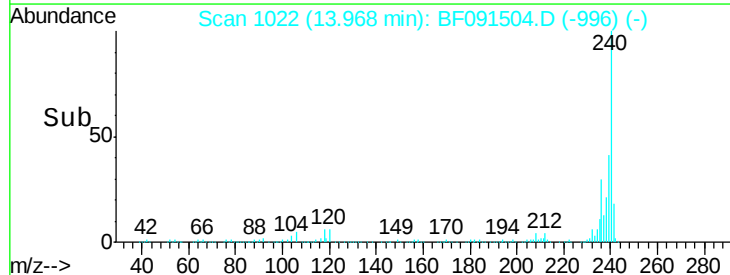
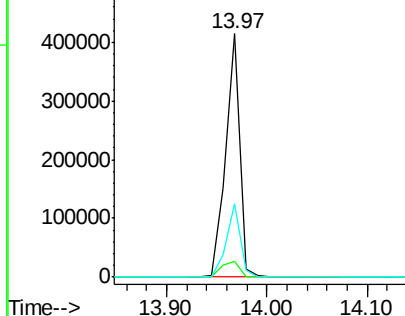


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.97 min Scan# 1022  
Delta R.T. -0.00 min  
Lab File: BF091504.D  
Acq: 8 Dec 2016 16:02

Tgt Ion:240 Resp: 403531  
Ion Ratio Lower Upper  
240 100  
120 6.4 12.1 18.1#  
236 30.2 21.0 31.6



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

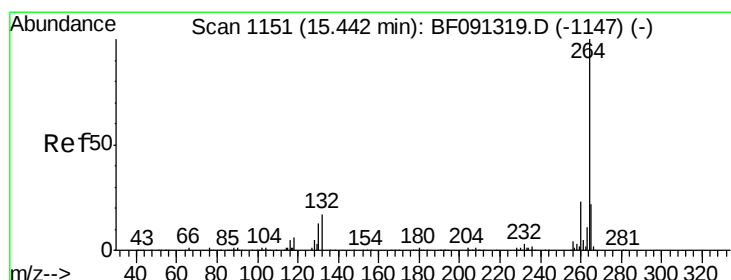
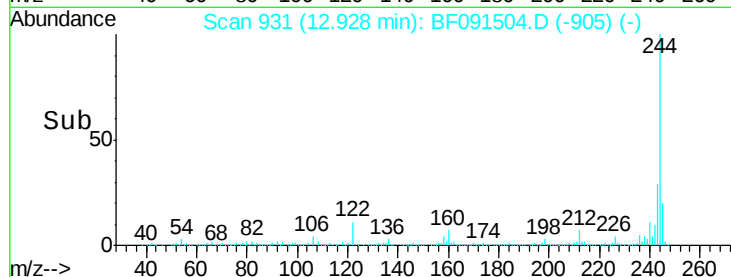
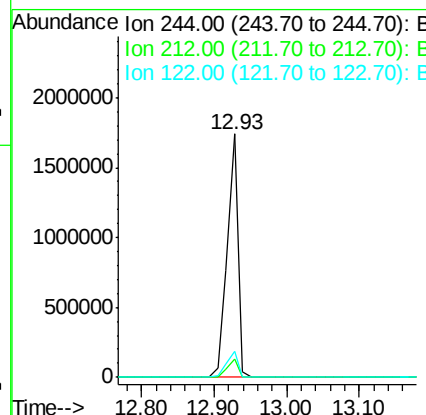
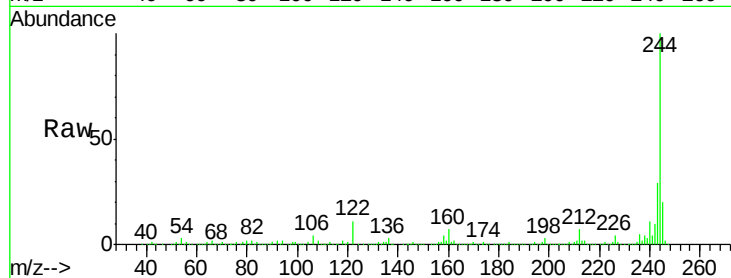




#78  
 Terphenyl-d14  
 Concen: 96.83 ng  
 RT: 12.93 min Scan# 931  
 Delta R.T. -0.00 min  
 Lab File: BF091504.D  
 Acq: 8 Dec 2016 16:02

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Tgt Ion:244 Resp: 1797723  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 6.5 9.7  
 122 10.7 9.5 14.3



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.37 min Scan# 1145  
 Delta R.T. -0.01 min  
 Lab File: BF091504.D  
 Acq: 8 Dec 2016 16:02

Tgt Ion:264 Resp: 28759  
 Ion Ratio Lower Upper  
 264 100  
 260 36.9 18.8 28.2#  
 265 21.7 17.0 25.6

