

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120716\  
 Data File : BF091500.D  
 Acq On : 8 Dec 2016 6:27  
 Operator : UM/SJ  
 Sample : H5867-10  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 N002-WD-OF-02-01

Quant Time: Dec 08 06:51:52 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF112916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Dec 08 00:35:13 2016  
 Response via : Initial Calibration

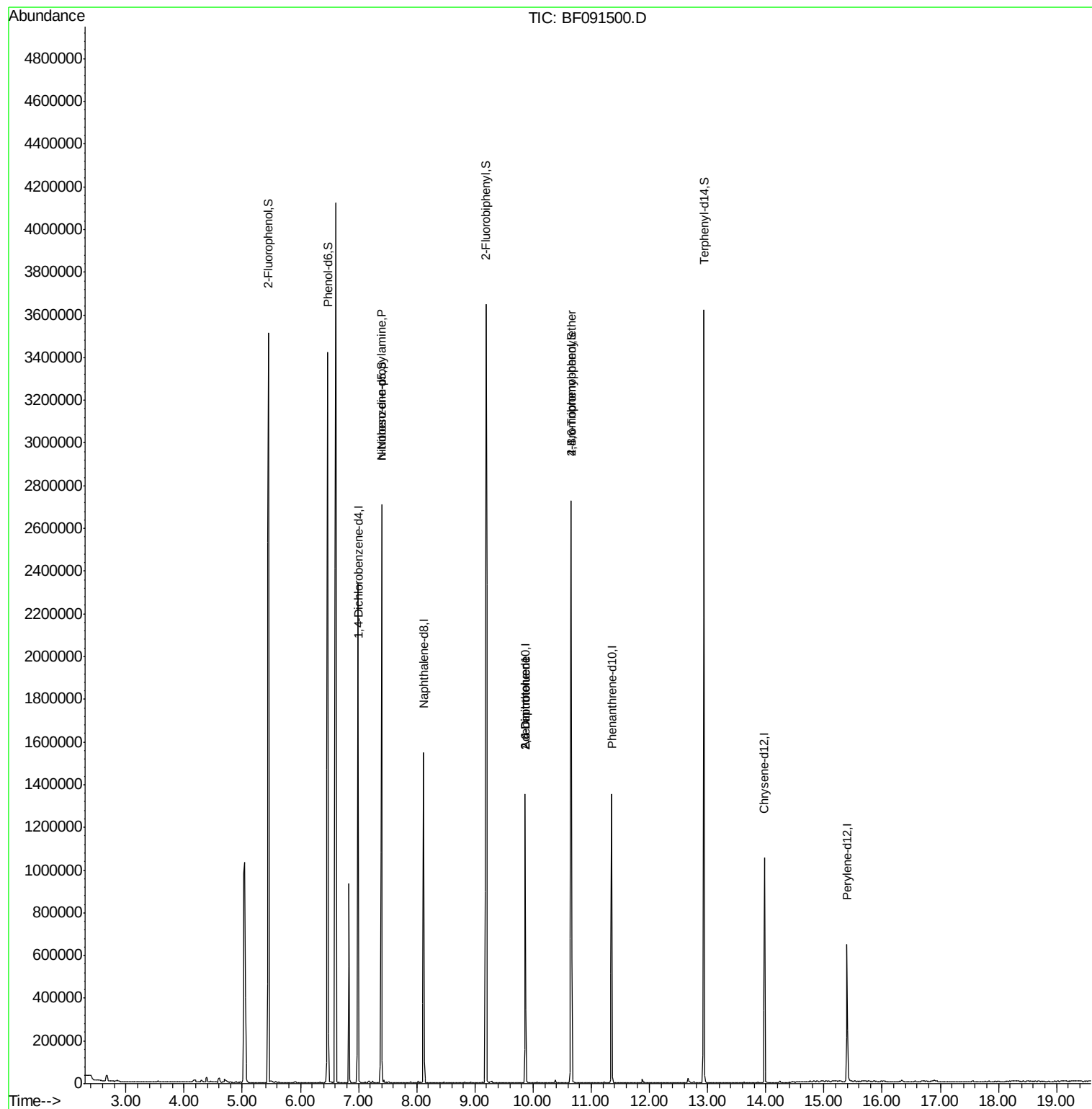
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.00  | 152  | 485367   | 20.00  | ng    | 0.16     |
| 21) Naphthalene-d8             | 8.12  | 136  | 664910   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.86  | 164  | 314165   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.35 | 188  | 558705   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.98 | 240  | 395930   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.40 | 264  | 318912   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.45  | 112  | 1136533  | 38.25  | ng    | 0.02     |
| 7) Phenol-d6                   | 6.47  | 99   | 1134542  | 31.02  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.40  | 82   | 877475   | 73.96  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.65 | 330  | 354585   | 119.22 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.19  | 172  | 1656104  | 95.45  | ng    | -0.01    |
| 78) Terphenyl-d14              | 12.94 | 244  | 1438699  | 78.98  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70   | 121011   | 5.25   | ng    | # 74     |
| 50) 2,6-Dinitrotoluene         | 9.86  | 165  | 39758    | 9.35   | ng    | # 16     |
| 56) 2,4-Dinitrotoluene         | 9.86  | 165  | 39760    | 7.21   | ng    | # 33     |
| 66) 4-Bromophenyl-phenylether  | 10.65 | 248  | 21012    | 3.50   | ng    | # 1      |

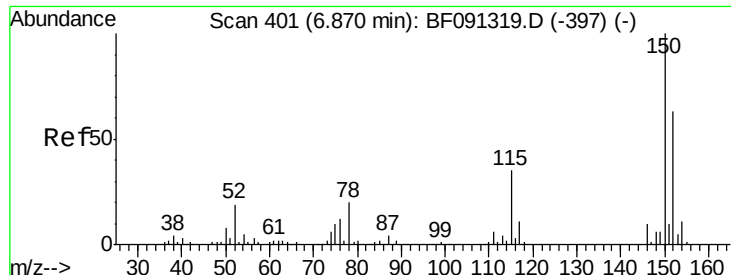
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120716\  
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N002-WD-OF-02-01

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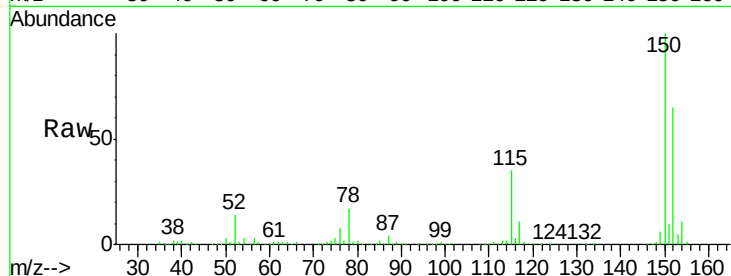


#1

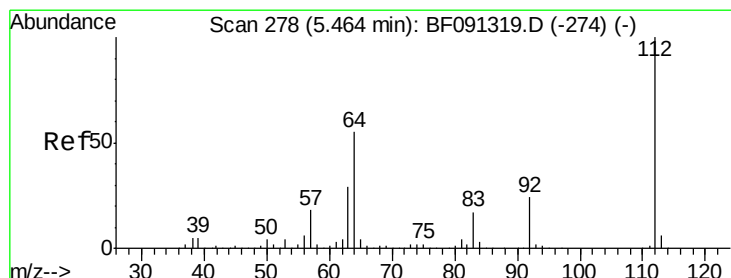
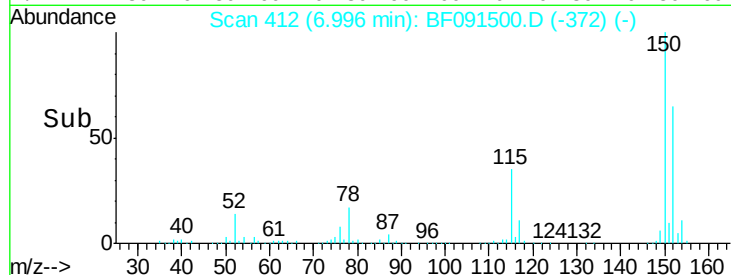
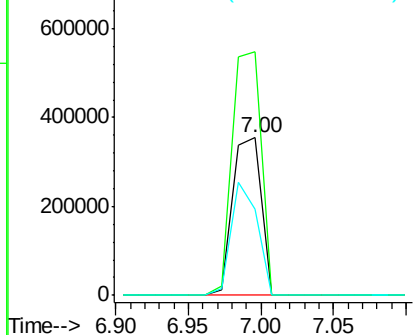
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.00 min Scan# 412  
Delta R.T. 0.16 min  
Lab File: BF091500.D  
Acq: 8 Dec 2016 6:27

Instrument :  
BNA\_F  
ClientSampleId :  
N002-WD-OF-02-01

Tgt Ion:152 Resp: 485367  
Ion Ratio Lower Upper  
152 100  
150 154.5 122.5 183.7  
115 54.7 51.8 77.8



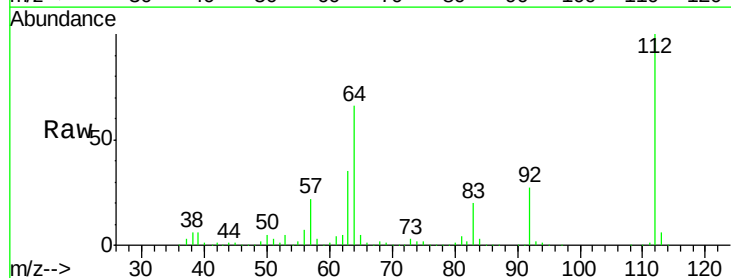
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



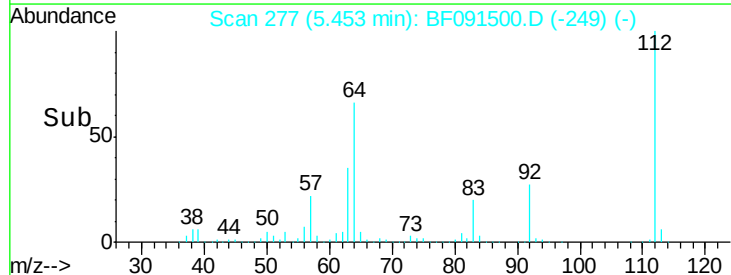
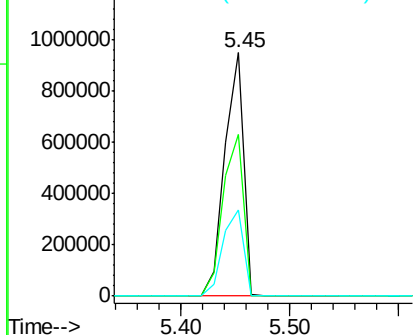
#5

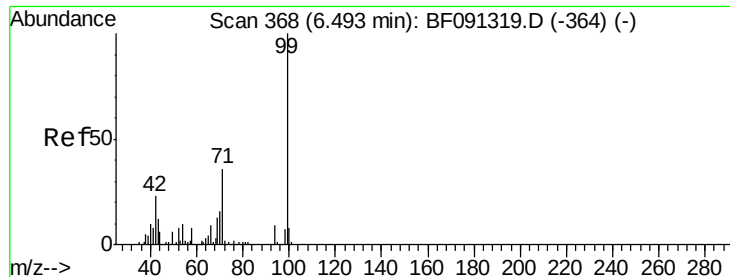
2-Fluorophenol  
Concen: 38.25 ng  
RT: 5.45 min Scan# 277  
Delta R.T. 0.02 min  
Lab File: BF091500.D  
Acq: 8 Dec 2016 6:27

Tgt Ion:112 Resp: 1136533  
Ion Ratio Lower Upper  
112 100  
64 66.3 61.5 92.3  
63 35.2 33.3 49.9



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: 31.02 ng

RT: 6.47 min Scan# 366

Delta R.T. 0.00 min

Lab File: BF091500.D

Acq: 8 Dec 2016 6:27

Instrument :

BNA\_F

ClientSampleId :

N002-WD-OF-02-01

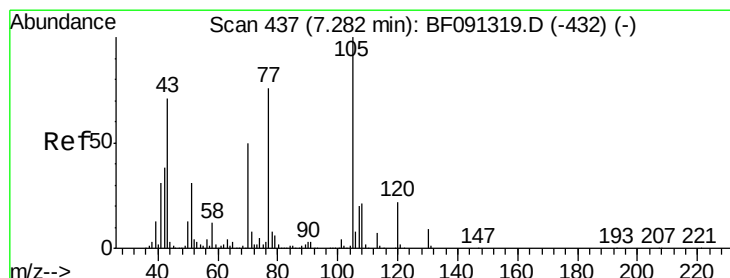
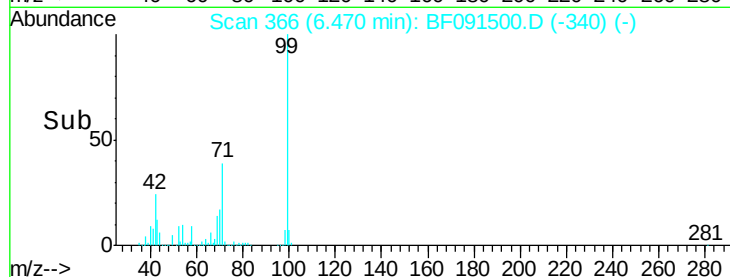
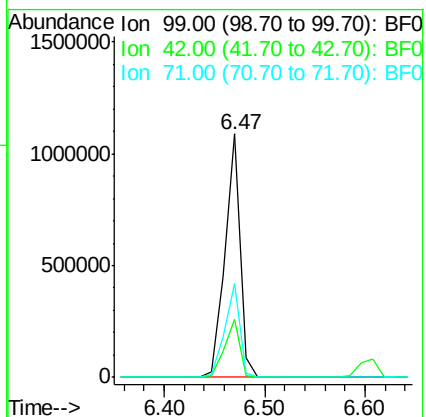
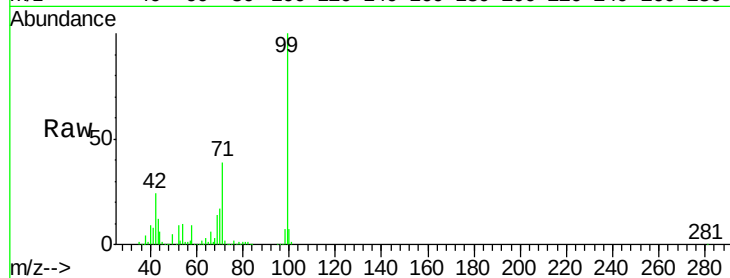
Tgt Ion: 99 Resp: 1134542

Ion Ratio Lower Upper

99 100

42 23.8 20.6 31.0

71 38.8 29.9 44.9



#19

n-Nitroso-di-n-propylamine

Concen: 5.25 ng

RT: 7.40 min Scan# 447

Delta R.T. 0.14 min

Lab File: BF091500.D

Acq: 8 Dec 2016 6:27

Tgt Ion: 70 Resp: 121011

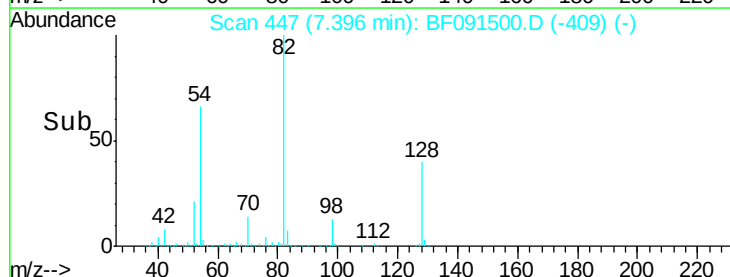
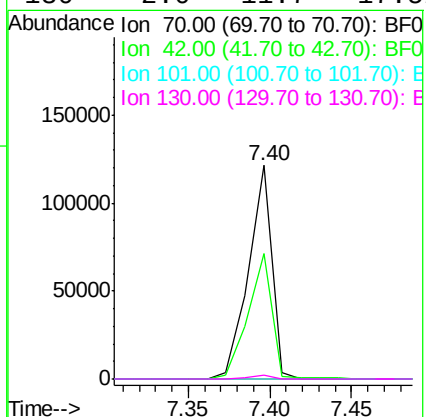
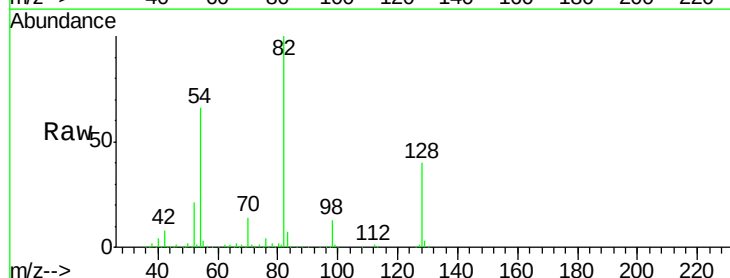
Ion Ratio Lower Upper

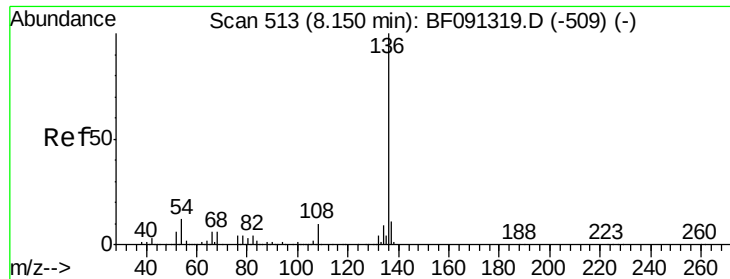
70 100

42 58.6 64.8 97.2#

101 0.0 6.2 9.4#

130 2.0 11.7 17.5#

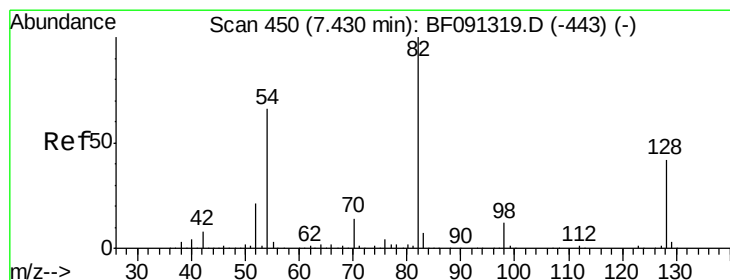
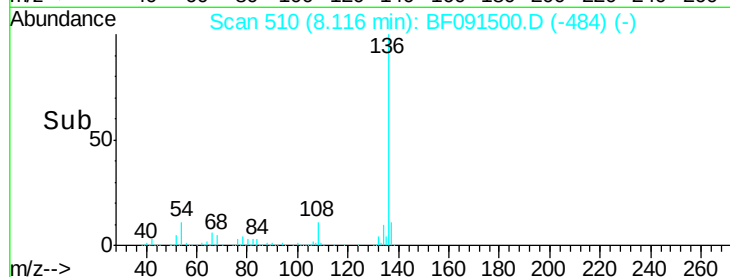
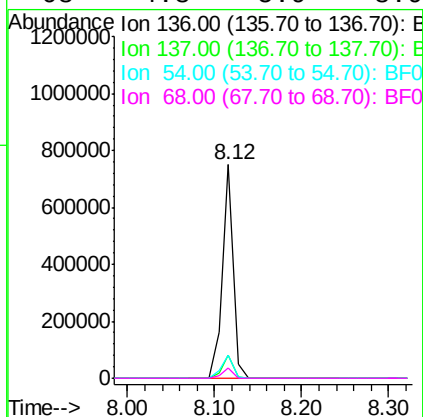
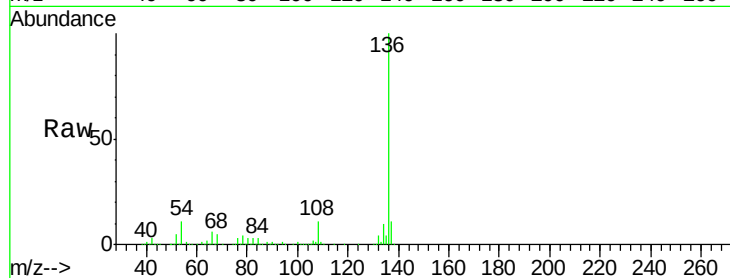




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.12 min Scan# 510  
Delta R.T. 0.00 min  
Lab File: BF091500.D  
Acq: 8 Dec 2016 6:27

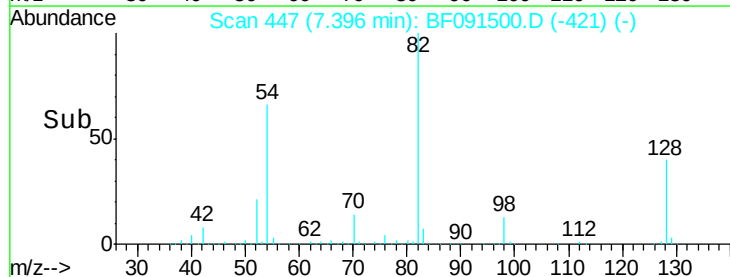
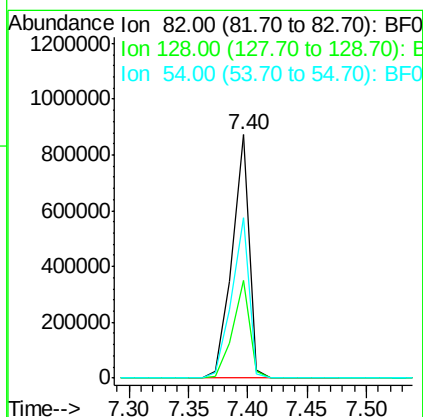
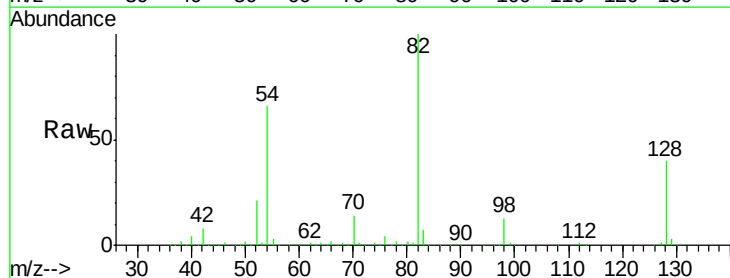
Instrument :  
BNA\_F  
ClientSampleId :  
N002-WD-OF-02-01

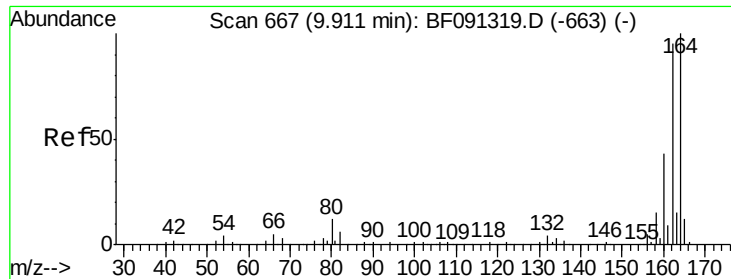
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 664910 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 9.1   | 13.7   |
| 54       | 10.8  | 9.1   | 13.7   |
| 68       | 4.8   | 5.9   | 8.9#   |



#23  
Nitrobenzene-d5  
Concen: 73.96 ng  
RT: 7.40 min Scan# 447  
Delta R.T. 0.00 min  
Lab File: BF091500.D  
Acq: 8 Dec 2016 6:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 877475 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 40.2  | 31.8  | 47.6   |
| 54       | 66.1  | 49.1  | 73.7   |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.86 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF091500.D

Acq: 8 Dec 2016 6:27

Instrument :

BNA\_F

ClientSampleId :

N002-WD-OF-02-01

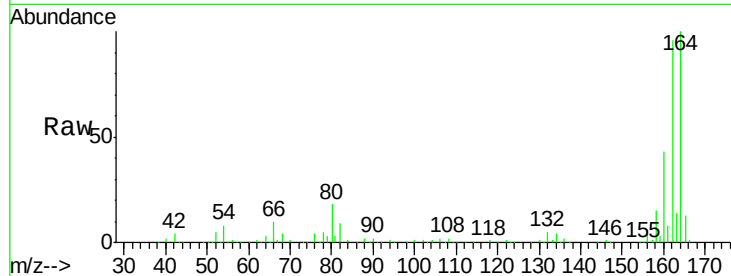
Tgt Ion:164 Resp: 314165

Ion Ratio Lower Upper

164 100

162 96.4 82.6 124.0

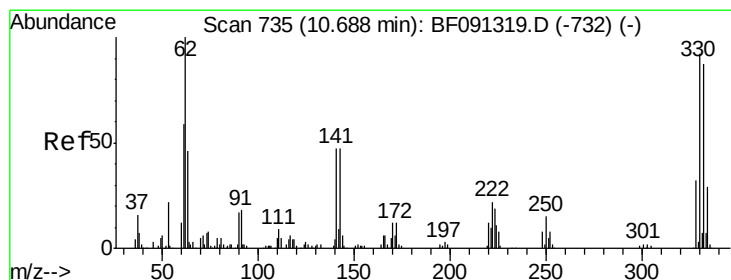
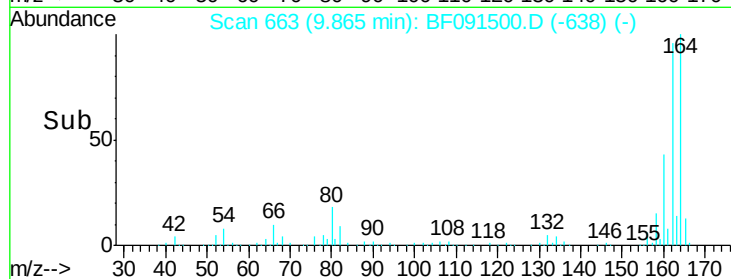
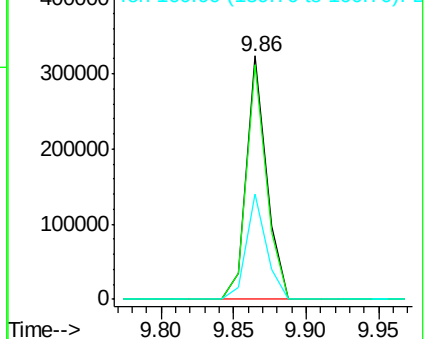
160 43.1 36.7 55.1



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: 119.22 ng

RT: 10.65 min Scan# 732

Delta R.T. 0.00 min

Lab File: BF091500.D

Acq: 8 Dec 2016 6:27

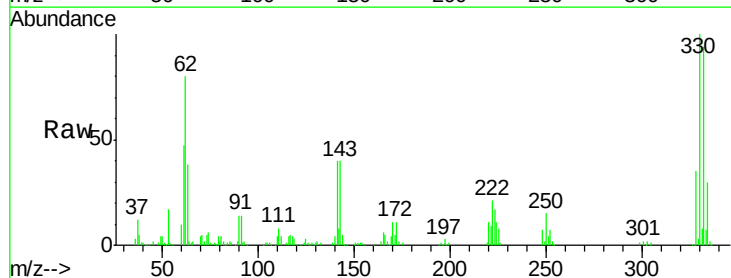
Tgt Ion:330 Resp: 354585

Ion Ratio Lower Upper

330 100

332 94.9 76.2 114.4

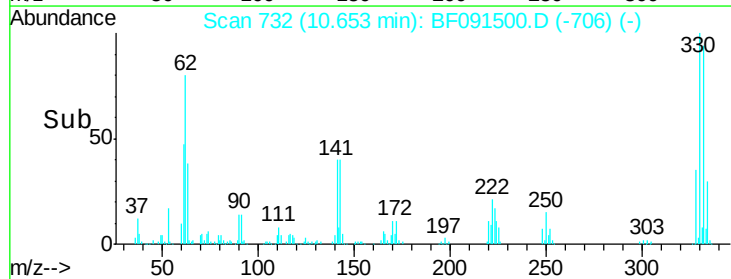
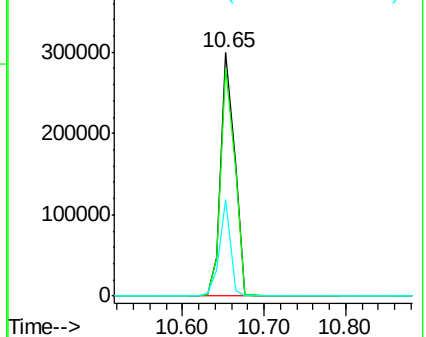
141 31.2 33.6 50.4#

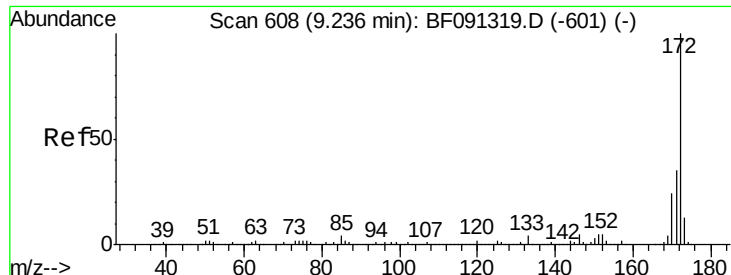


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

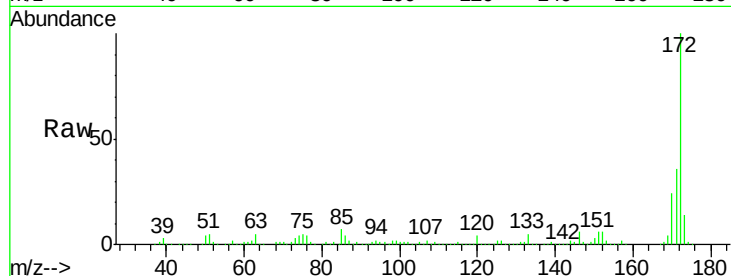




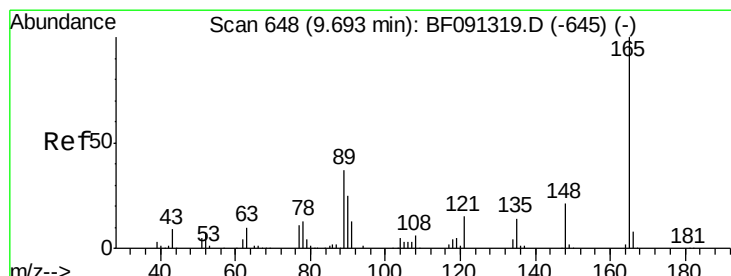
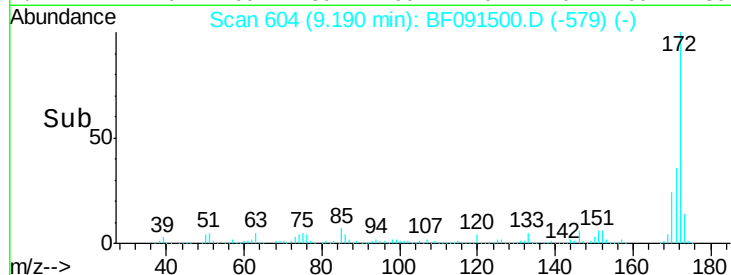
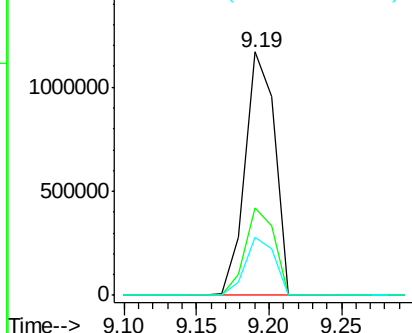
#44  
 2-Fluorobiphenyl  
 Concen: 95.45 ng  
 RT: 9.19 min Scan# 604  
 Delta R.T. -0.01 min  
 Lab File: BF091500.D  
 Acq: 8 Dec 2016 6:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 N002-WD-OF-02-01

Tgt Ion:172 Resp: 1656104  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 29.4 44.0  
 170 23.9 19.7 29.5

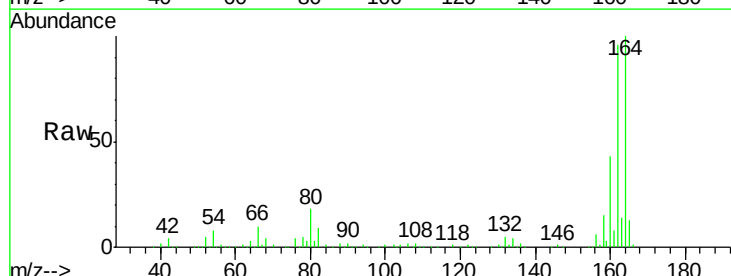


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

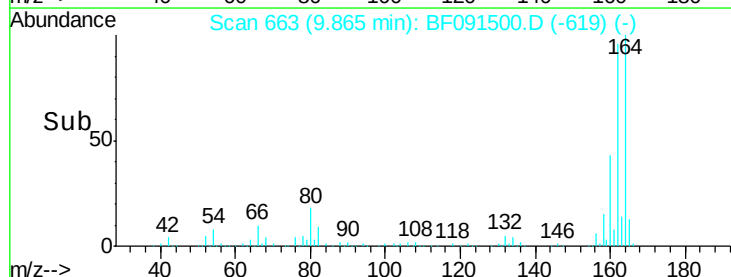
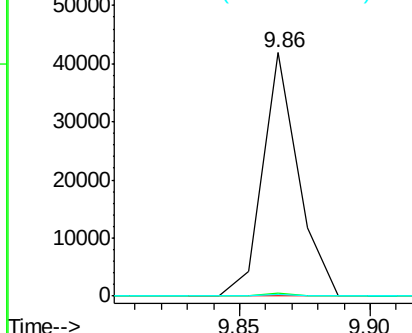


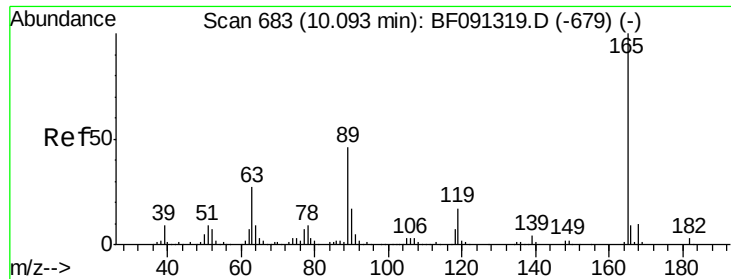
#50  
 2,6-Dinitrotoluene  
 Concen: 9.35 ng  
 RT: 9.86 min Scan# 663  
 Delta R.T. 0.21 min  
 Lab File: BF091500.D  
 Acq: 8 Dec 2016 6:27

Tgt Ion:165 Resp: 39758  
 Ion Ratio Lower Upper  
 165 100  
 63 1.1 59.4 89.0#  
 89 0.8 50.8 76.2#



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF0  
 Ion 89.00 (88.70 to 89.70): BF0

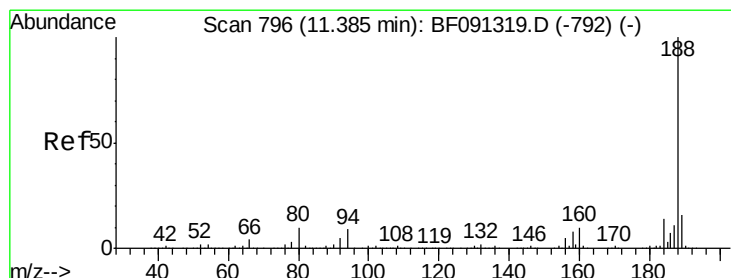
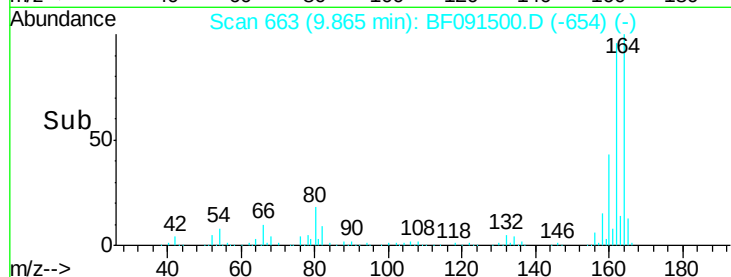
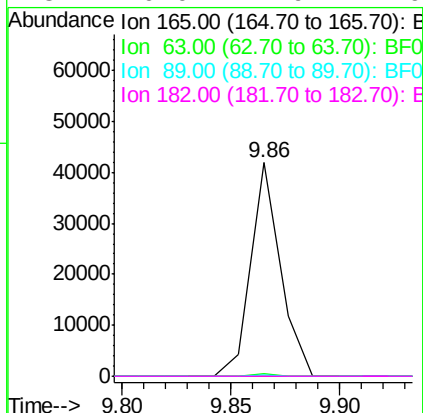
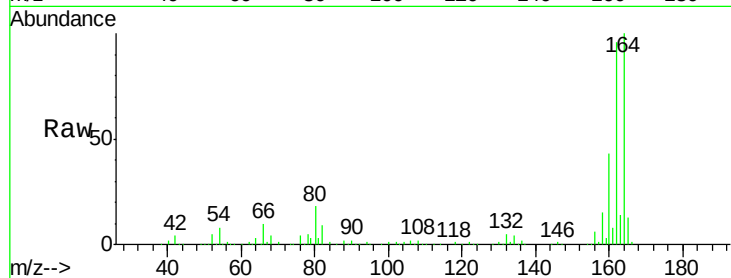




#56  
 2,4-Dinitrotoluene  
 Concen: 7.21 ng  
 RT: 9.86 min Scan# 663  
 Delta R.T. -0.19 min  
 Lab File: BF091500.D  
 Acq: 8 Dec 2016 6:27

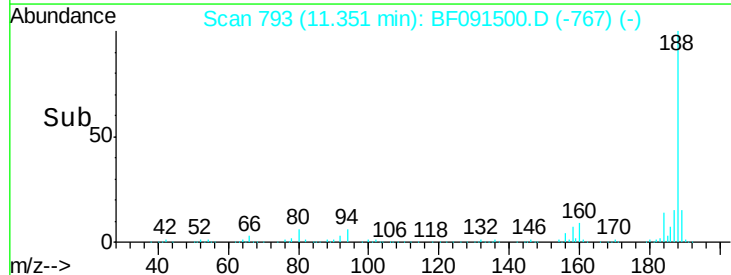
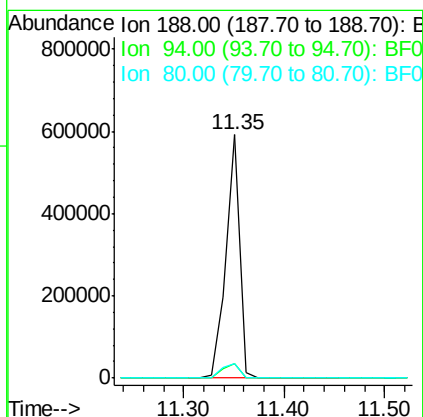
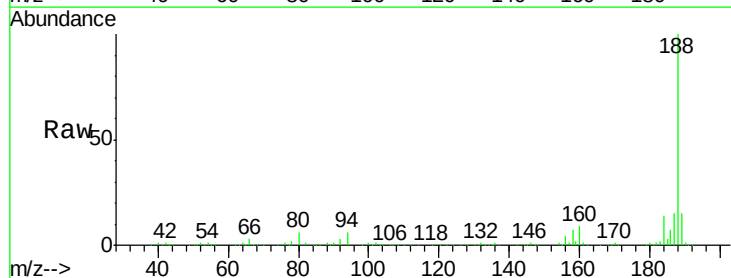
Instrument :  
 BNA\_F  
 ClientSampleId :  
 N002-WD-OF-02-01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 39760 |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 1.1   | 29.0  | 43.4# |
| 89       | 0.8   | 43.1  | 64.7# |
| 182      | 0.0   | 1.9   | 2.9#  |

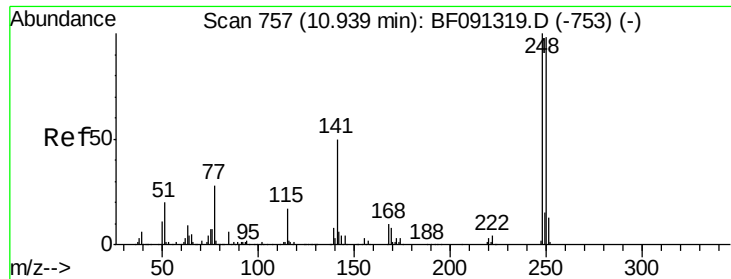


#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.35 min Scan# 793  
 Delta R.T. 0.00 min  
 Lab File: BF091500.D  
 Acq: 8 Dec 2016 6:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 558705 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 6.2   | 9.2   | 13.8#  |
| 80       | 6.1   | 10.5  | 15.7#  |



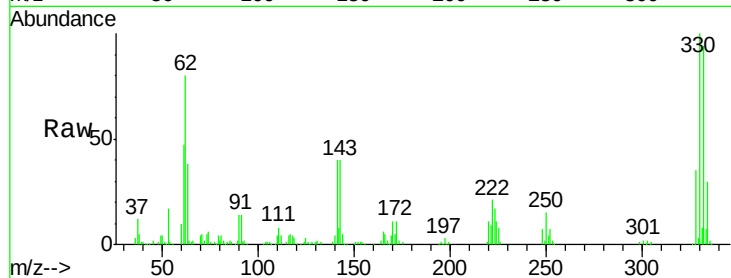




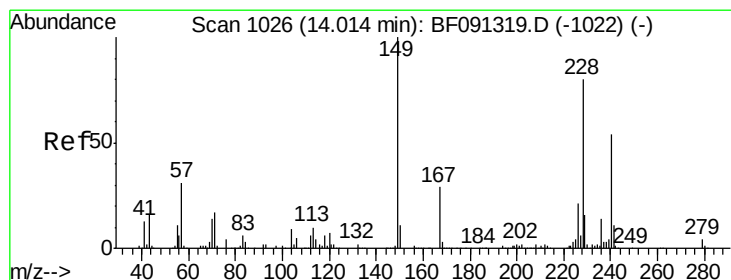
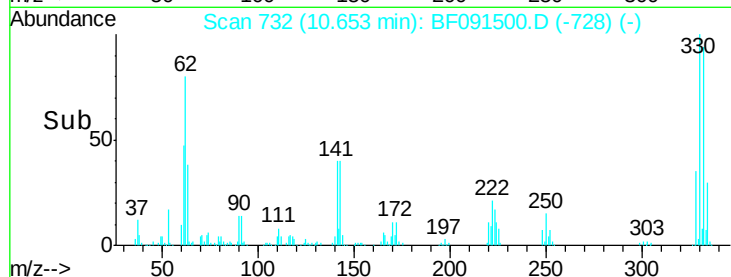
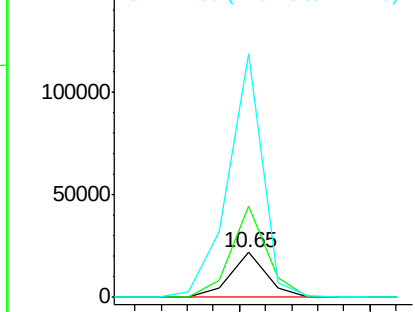
#66  
4-Bromophenyl-phenylether  
Concen: 3.50 ng  
RT: 10.65 min Scan# 732  
Delta R.T. -0.25 min  
Lab File: BF091500.D  
Acq: 8 Dec 2016 6:27

Instrument :  
BNA\_F  
ClientSampleId :  
N002-WD-OF-02-01

Tgt Ion:248 Resp: 21012  
Ion Ratio Lower Upper  
248 100  
250 202.9 78.2 117.4#  
141 543.6 71.9 107.9#

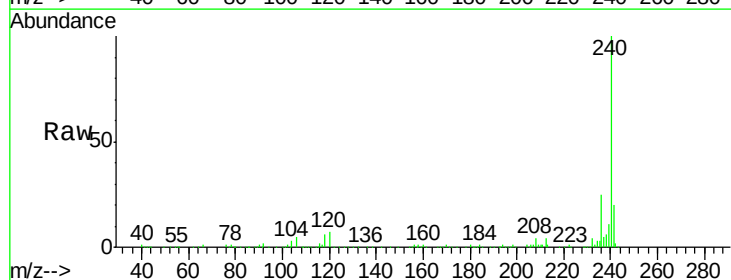


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

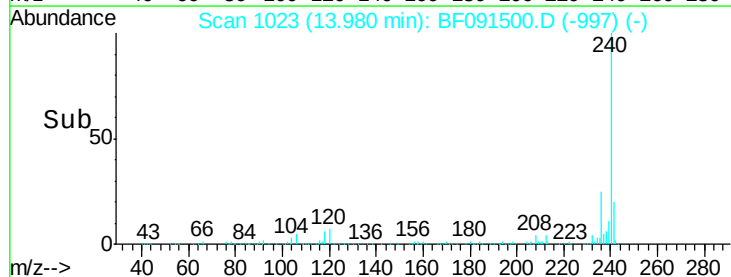
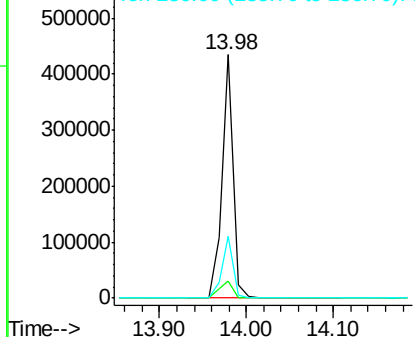


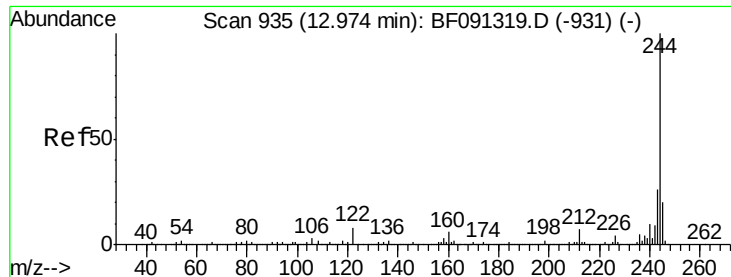
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.98 min Scan# 1023  
Delta R.T. 0.00 min  
Lab File: BF091500.D  
Acq: 8 Dec 2016 6:27

Tgt Ion:240 Resp: 395930  
Ion Ratio Lower Upper  
240 100  
120 6.8 12.1 18.1#  
236 25.4 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

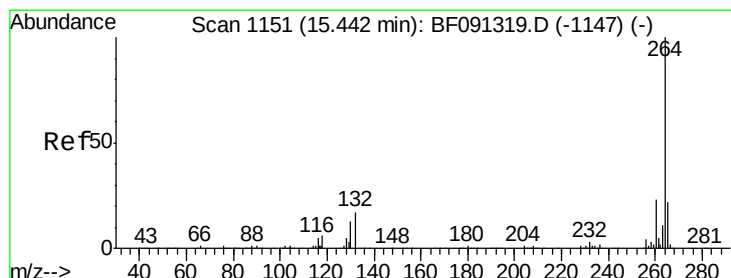
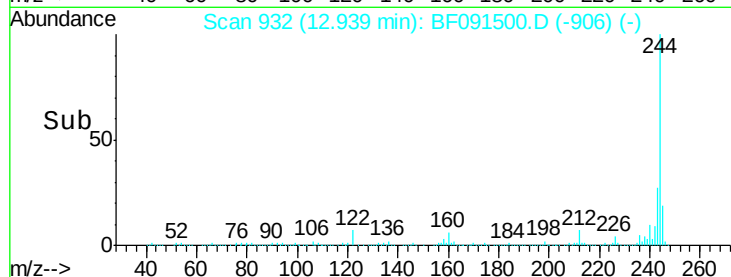
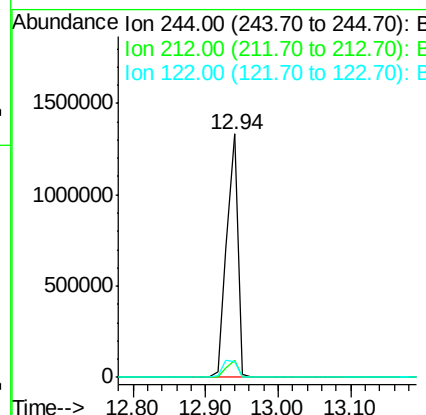
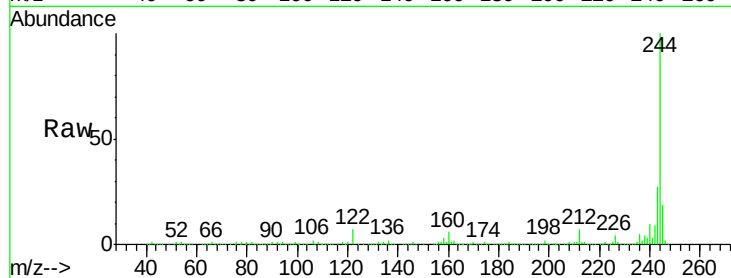




#78  
 Terphenyl-d14  
 Concen: 78.98 ng  
 RT: 12.94 min Scan# 932  
 Delta R.T. 0.00 min  
 Lab File: BF091500.D  
 Acq: 8 Dec 2016 6:27

Instrument :  
 BNA\_F  
 ClientSampleId :  
 N002-WD-OF-02-01

Tgt Ion:244 Resp: 1438699  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 6.5 9.7  
 122 6.7 9.5 14.3#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.40 min Scan# 1147  
 Delta R.T. 0.00 min  
 Lab File: BF091500.D  
 Acq: 8 Dec 2016 6:27

Tgt Ion:264 Resp: 318912  
 Ion Ratio Lower Upper  
 264 100  
 260 22.5 18.8 28.2  
 265 21.3 17.0 25.6

