

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF120816\  
 Data File : BF091514.D  
 Acq On : 8 Dec 2016 20:39  
 Operator : UM/SJ  
 Sample : H5886-02  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VW-01

Quant Time: Dec 09 00:39:14 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   | 6.81  | 152  | 157393   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.10  | 136  | 714951   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.85  | 164  | 416743   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.34 | 188  | 766571   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.97 | 240  | 668778   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.39 | 264  | 471218   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.41  | 112  | 123668   | 12.84 | ng    | 0.00     |
| 7) Phenol-d6                | 6.44  | 99   | 112224   | 9.46  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 185078   | 14.51 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 112579   | 28.53 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.18  | 172  | 443988   | 19.29 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.92 | 244  | 427954   | 13.91 | ng    | -0.01    |

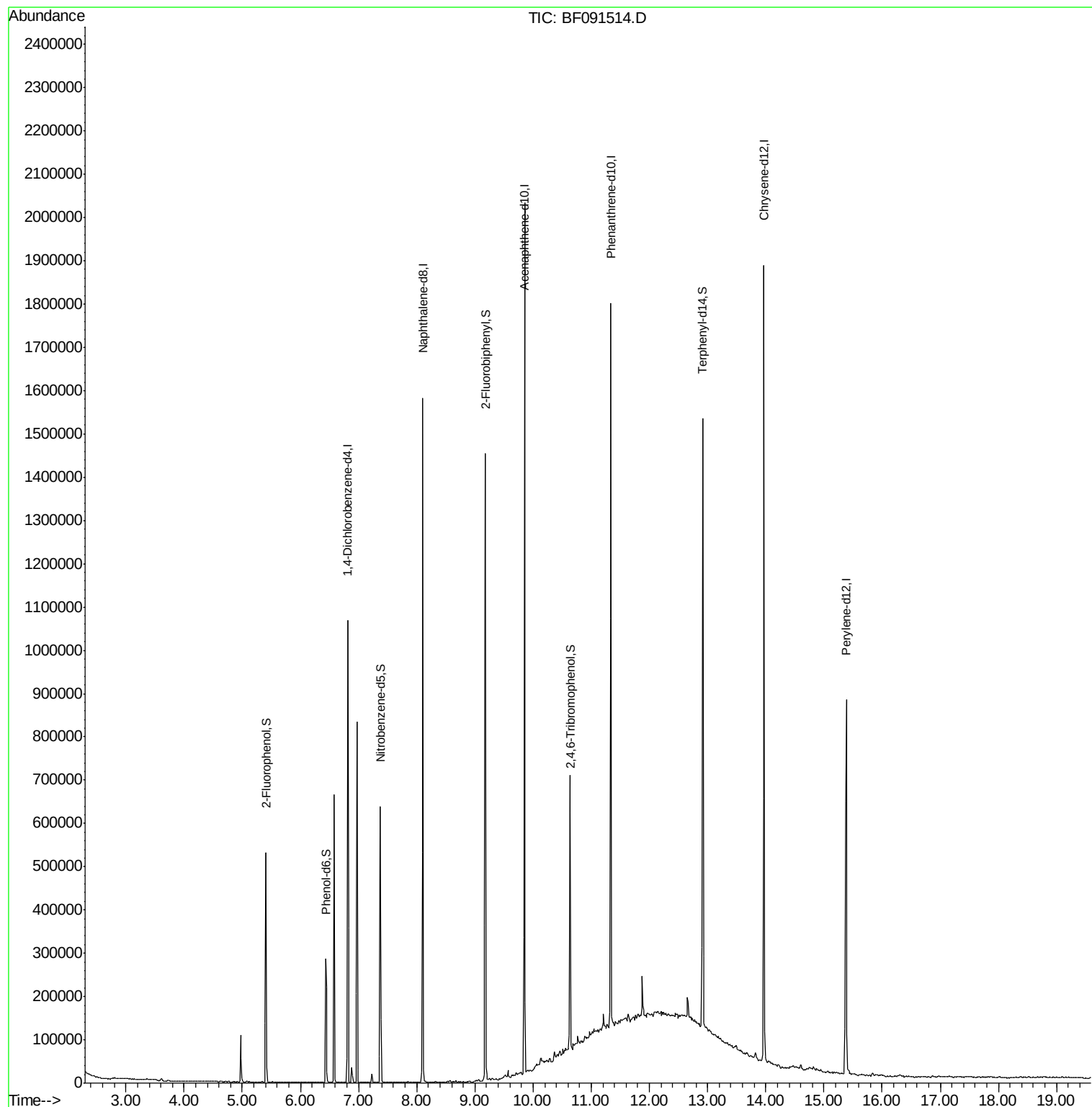
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

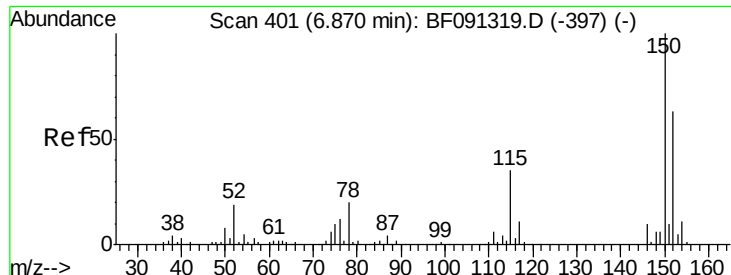
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 09 00:14:41 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 396

Delta R.T. -0.01 min

Lab File: BF091514.D

Acq: 8 Dec 2016 20:39

Instrument :

BNA\_F

ClientSampleId :

VW-01

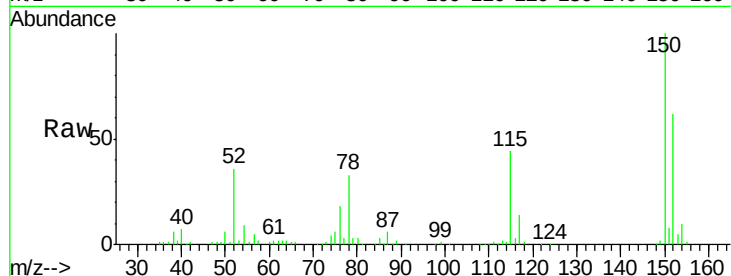
Tgt Ion:152 Resp: 157393

Ion Ratio Lower Upper

152 100

150 160.0 122.5 183.7

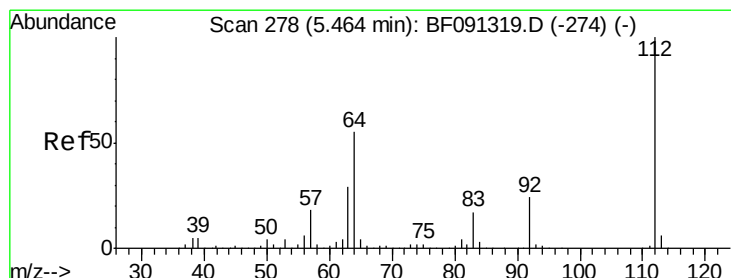
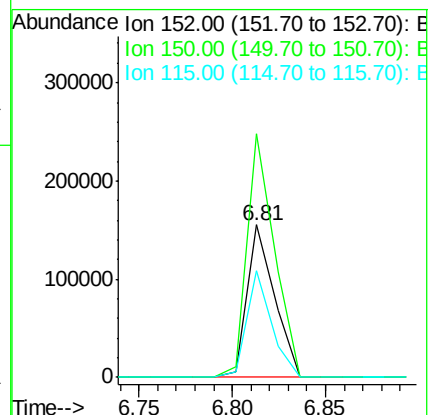
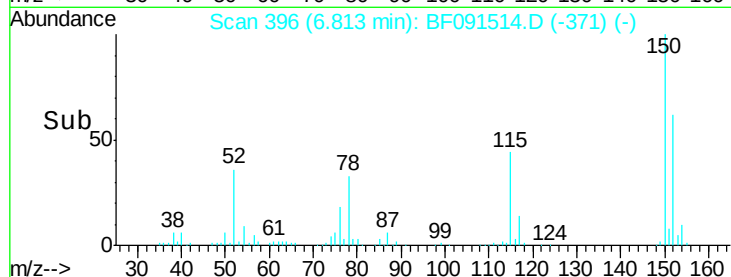
115 70.3 51.8 77.8



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: 12.84 ng

RT: 5.41 min Scan# 273

Delta R.T. 0.00 min

Lab File: BF091514.D

Acq: 8 Dec 2016 20:39

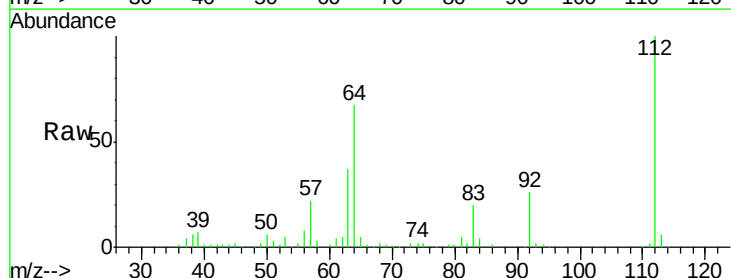
Tgt Ion:112 Resp: 123668

Ion Ratio Lower Upper

112 100

64 67.4 61.5 92.3

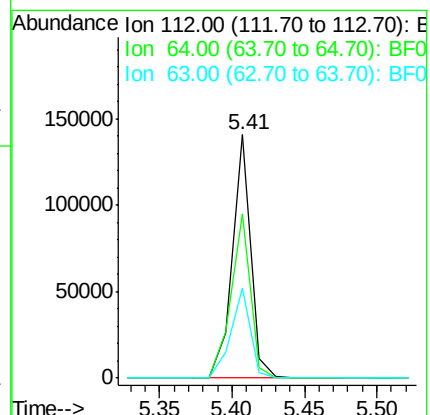
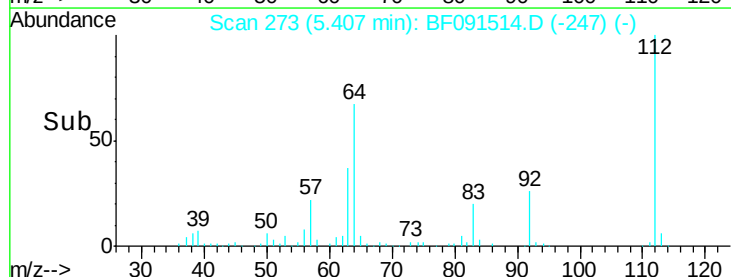
63 36.9 33.3 49.9

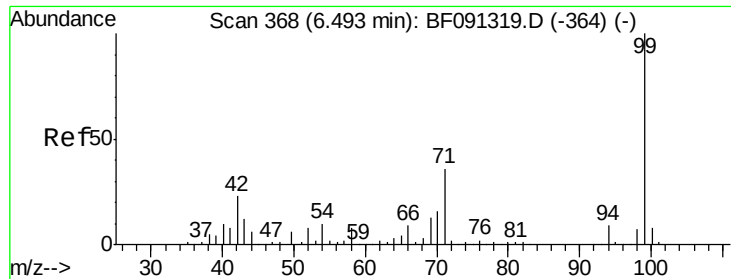


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 9.46 ng

RT: 6.44 min Scan# 363

Delta R.T. -0.02 min

Lab File: BF091514.D

Acq: 8 Dec 2016 20:39

Instrument :

BNA\_F

ClientSampleId :

VW-01

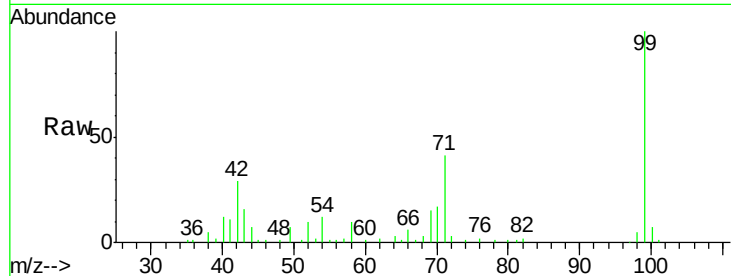
Tgt Ion: 99 Resp: 112224

Ion Ratio Lower Upper

99 100

42 29.0 20.6 31.0

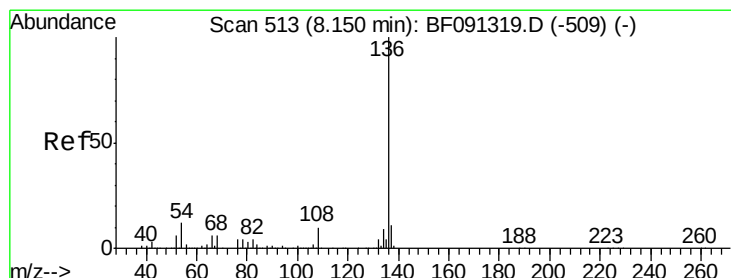
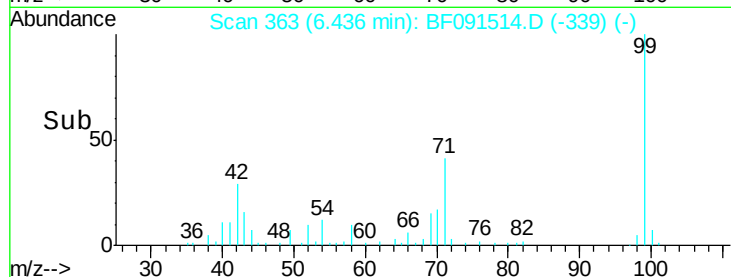
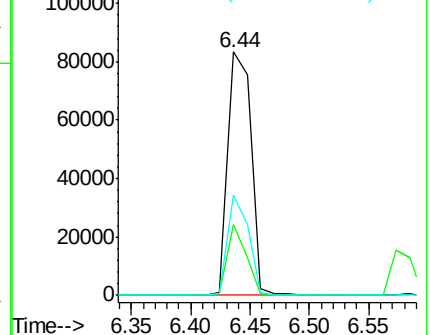
71 41.0 29.9 44.9



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: BF091514.D

Acq: 8 Dec 2016 20:39

Tgt Ion: 136 Resp: 714951

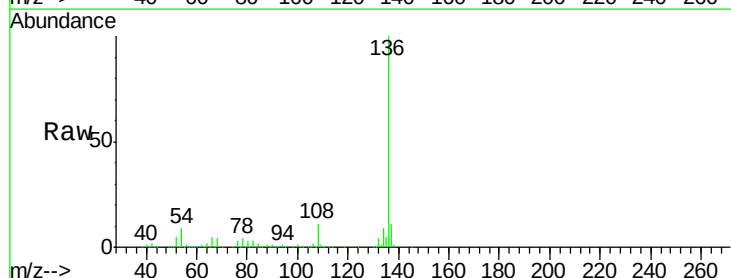
Ion Ratio Lower Upper

136 100

137 11.0 9.1 13.7

54 9.1 9.1 13.7#

68 4.2 5.9 8.9#

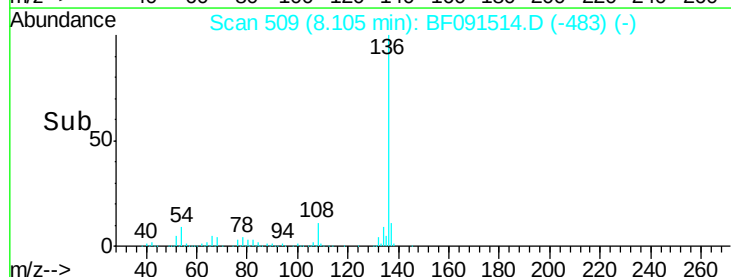
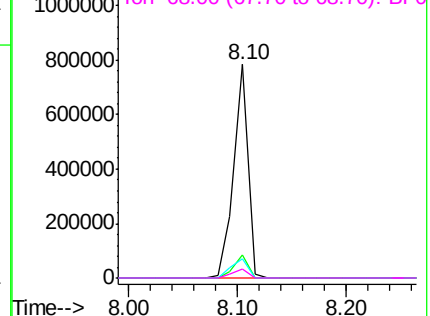


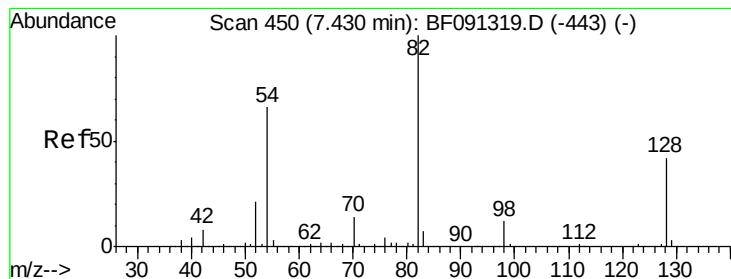
Abundance Ion 136.00 (135.70 to 136.70): E

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: 14.51 ng

RT: 7.37 min Scan# 445

Delta R.T. -0.01 min

Lab File: BF091514.D

Acq: 8 Dec 2016 20:39

Instrument :

BNA\_F

ClientSampled :

VW-01

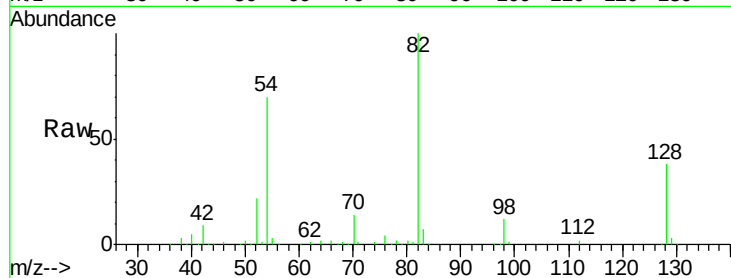
Tgt Ion: 82 Resp: 185078

Ion Ratio Lower Upper

82 100

128 37.5 31.8 47.6

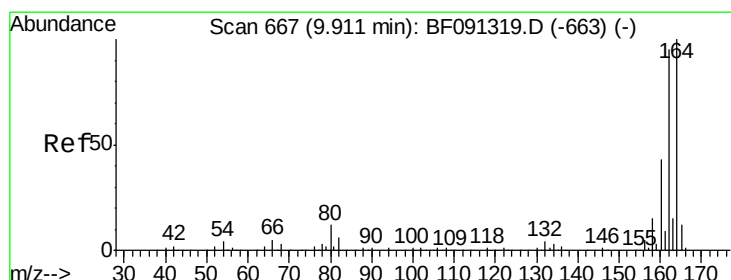
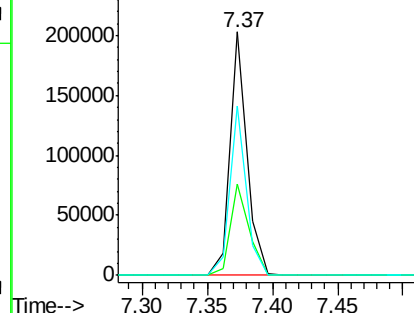
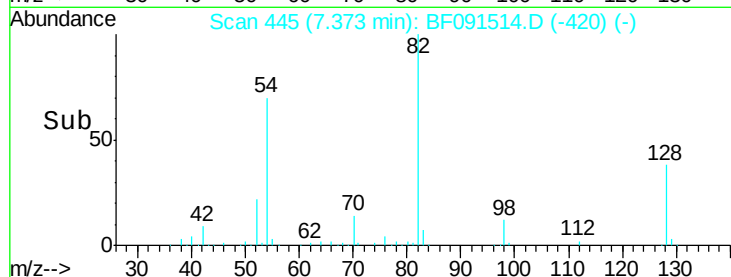
54 69.6 49.1 73.7



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

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: BF091514.D

Acq: 8 Dec 2016 20:39

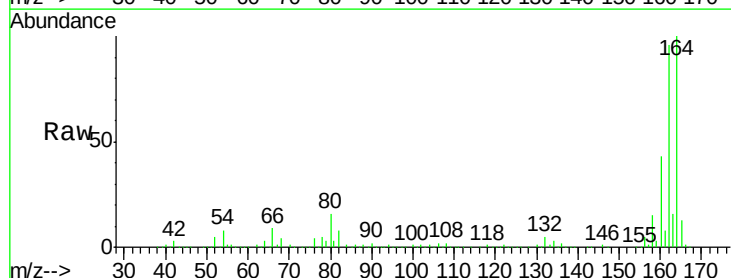
Tgt Ion: 164 Resp: 416743

Ion Ratio Lower Upper

164 100

162 96.3 82.6 124.0

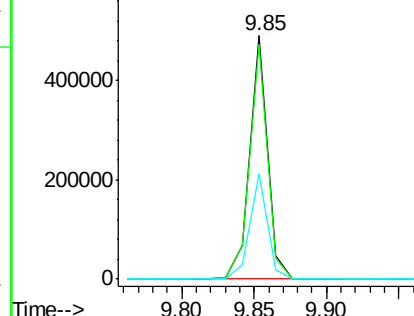
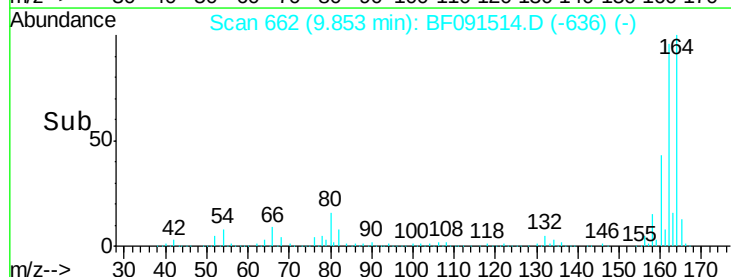
160 43.1 36.7 55.1

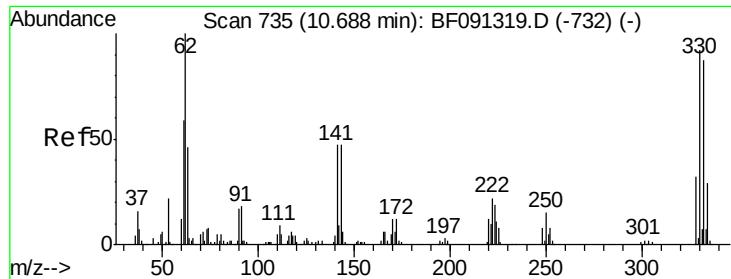


Abundance Ion 164.00 (163.70 to 164.70): BF0

Ion 162.00 (161.70 to 162.70): BF0

Ion 160.00 (159.70 to 160.70): BF0

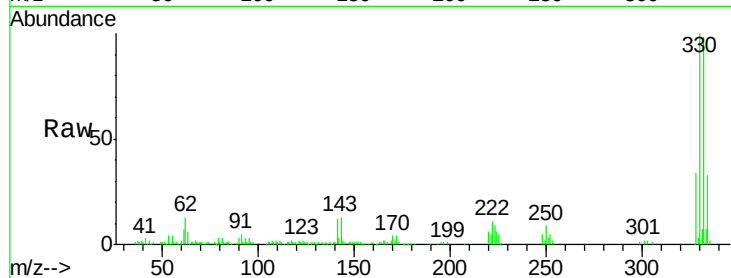




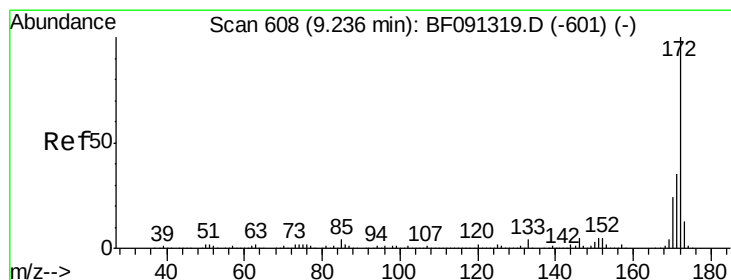
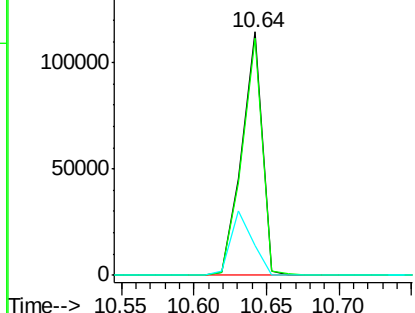
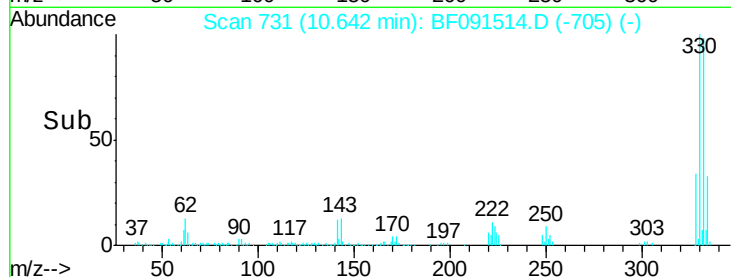
#41  
 2,4,6-Tribromophenol  
 Concen: 28.53 ng  
 RT: 10.64 min Scan# 731  
 Delta R.T. 0.00 min  
 Lab File: BF091514.D  
 Acq: 8 Dec 2016 20:39

Instrument :  
 BNA\_F  
 ClientSampleId :  
 VW-01

Tgt Ion:330 Resp: 112579  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 76.2 114.4  
 141 28.9 33.6 50.4#

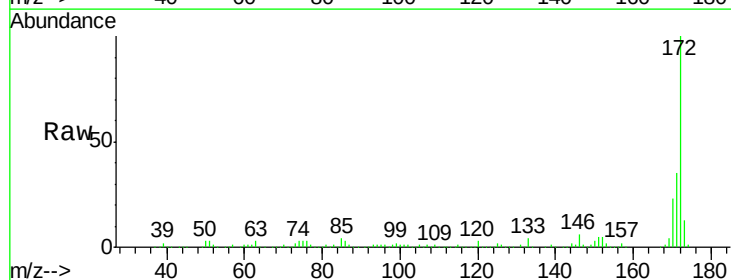


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

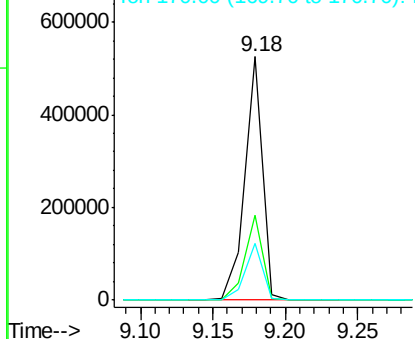
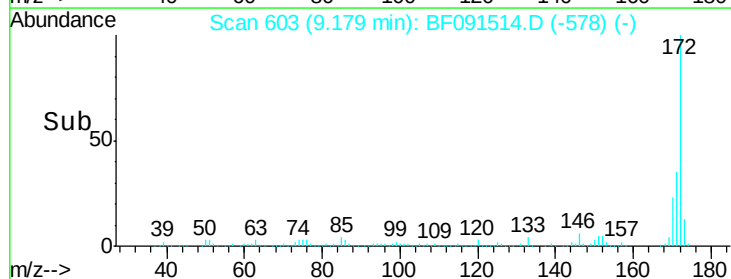


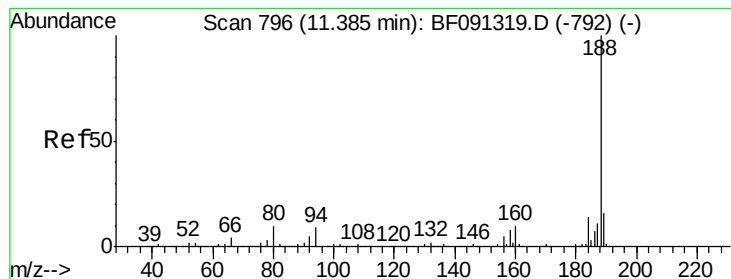
#44  
 2-Fluorobiphenyl  
 Concen: 19.29 ng  
 RT: 9.18 min Scan# 603  
 Delta R.T. -0.01 min  
 Lab File: BF091514.D  
 Acq: 8 Dec 2016 20:39

Tgt Ion:172 Resp: 443988  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 29.4 44.0  
 170 23.4 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: BF091514.D

Acq: 8 Dec 2016 20:39

Instrument :

BNA\_F

ClientSampleId :

VW-01

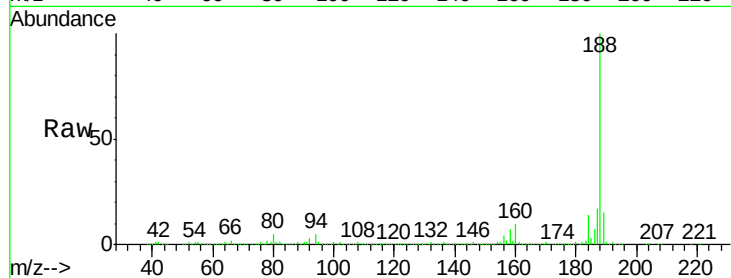
Tgt Ion:188 Resp: 766571

Ion Ratio Lower Upper

188 100

94 5.0 9.2 13.8#

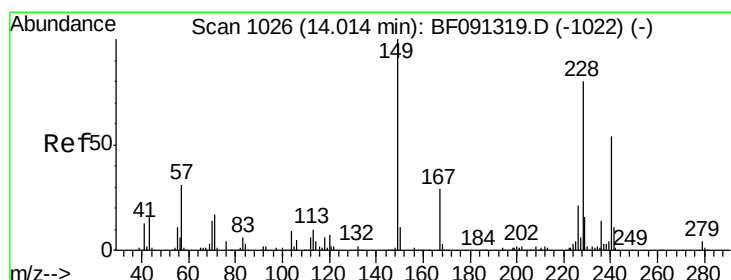
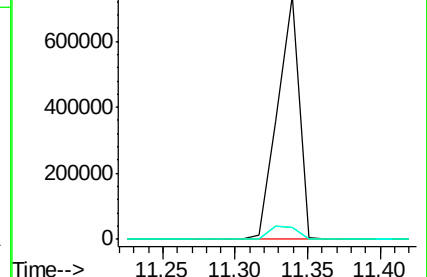
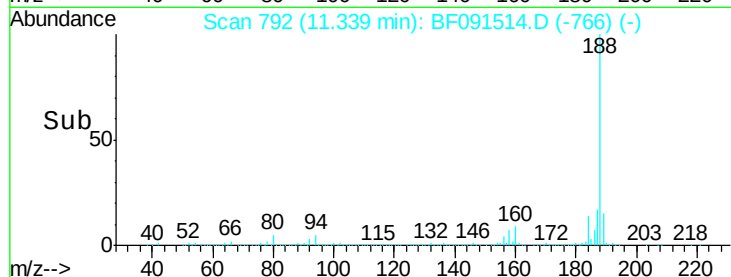
80 4.9 10.5 15.7#



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: BF091514.D

Acq: 8 Dec 2016 20:39

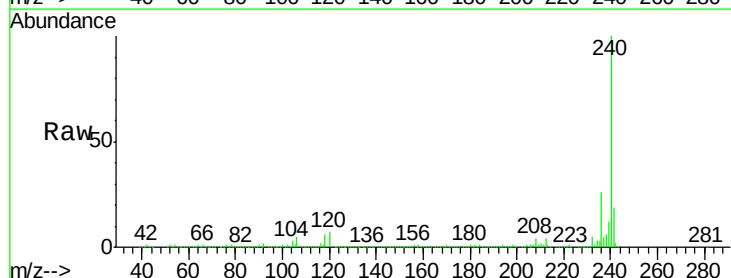
Tgt Ion:240 Resp: 668778

Ion Ratio Lower Upper

240 100

120 7.3 12.1 18.1#

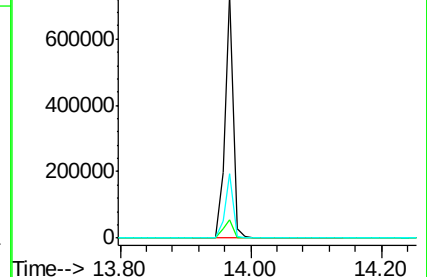
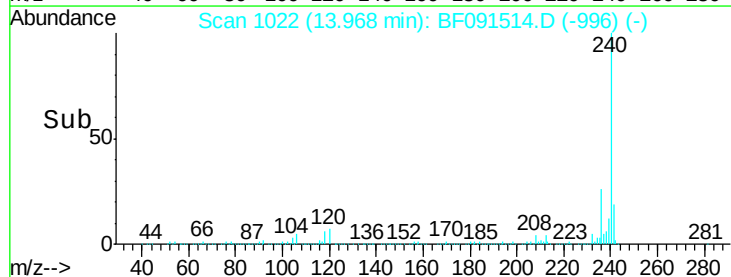
236 26.4 21.0 31.6

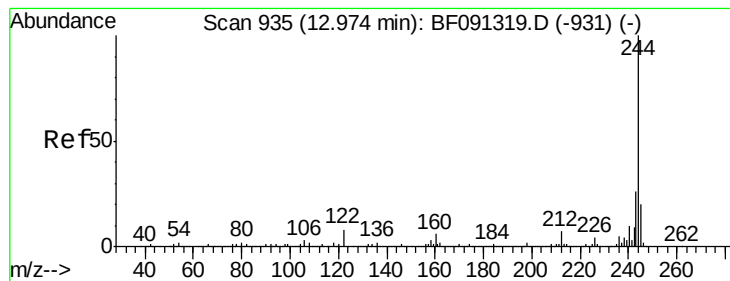


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 13.91 ng

RT: 12.92 min Scan# 930

Delta R.T. -0.01 min

Lab File: BF091514.D

Acq: 8 Dec 2016 20:39

Instrument :

BNA\_F

ClientSampleId :

VW-01

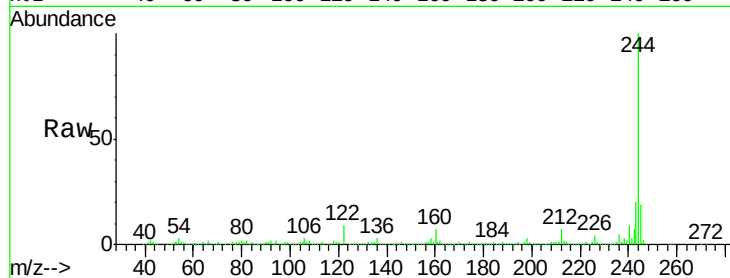
Tgt Ion:244 Resp: 427954

Ion Ratio Lower Upper

244 100

212 7.2 6.5 9.7

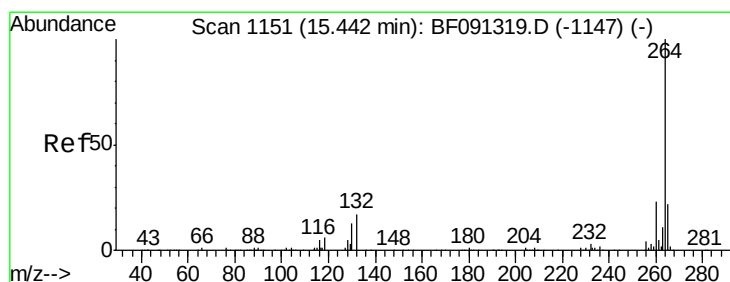
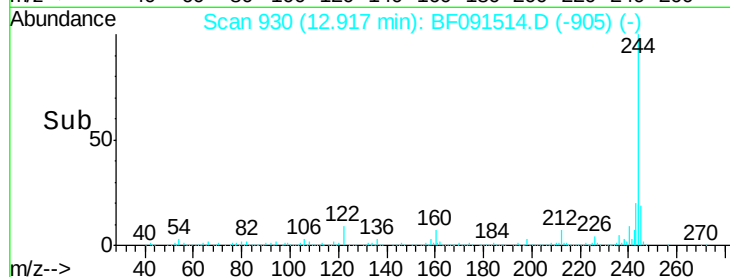
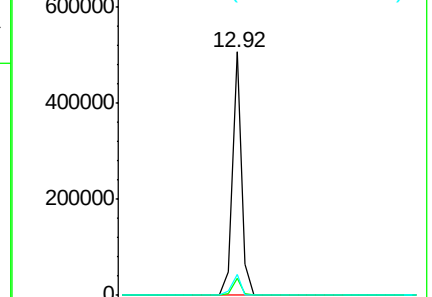
122 8.7 9.5 14.3#



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: 15.39 min Scan# 1146

Delta R.T. 0.00 min

Lab File: BF091514.D

Acq: 8 Dec 2016 20:39

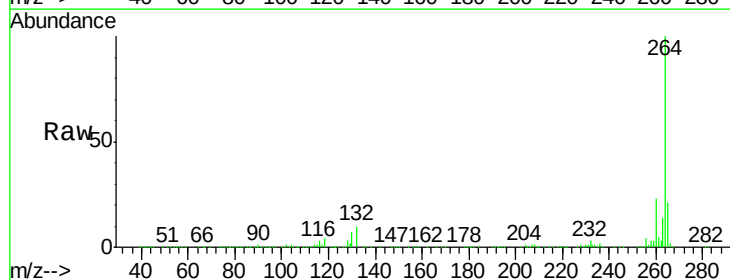
Tgt Ion:264 Resp: 471218

Ion Ratio Lower Upper

264 100

260 23.0 18.8 28.2

265 21.2 17.0 25.6



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

