

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110916\  
 Data File : BF091132.D  
 Acq On : 9 Nov 2016 18:56  
 Operator : UM/SJ  
 Sample : H5579-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RW-3

Quant Time: Nov 09 23:05:49 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Nov 08 12:59:29 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.65  | 152  | 178391   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 7.94  | 136  | 781226   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.69  | 164  | 408065   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.17 | 188  | 653075   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.80 | 240  | 501747   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.17 | 264  | 359934   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.24  | 112  | 747697   | 69.22  | ng    | 0.00     |
| 7) Phenol-d6                | 6.30  | 99   | 667350   | 45.52  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.23  | 82   | 1351099  | 94.34  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.49 | 330  | 607047   | 164.55 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.02  | 172  | 2214732  | 93.44  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.76 | 244  | 2229445  | 110.88 | ng    | 0.00     |

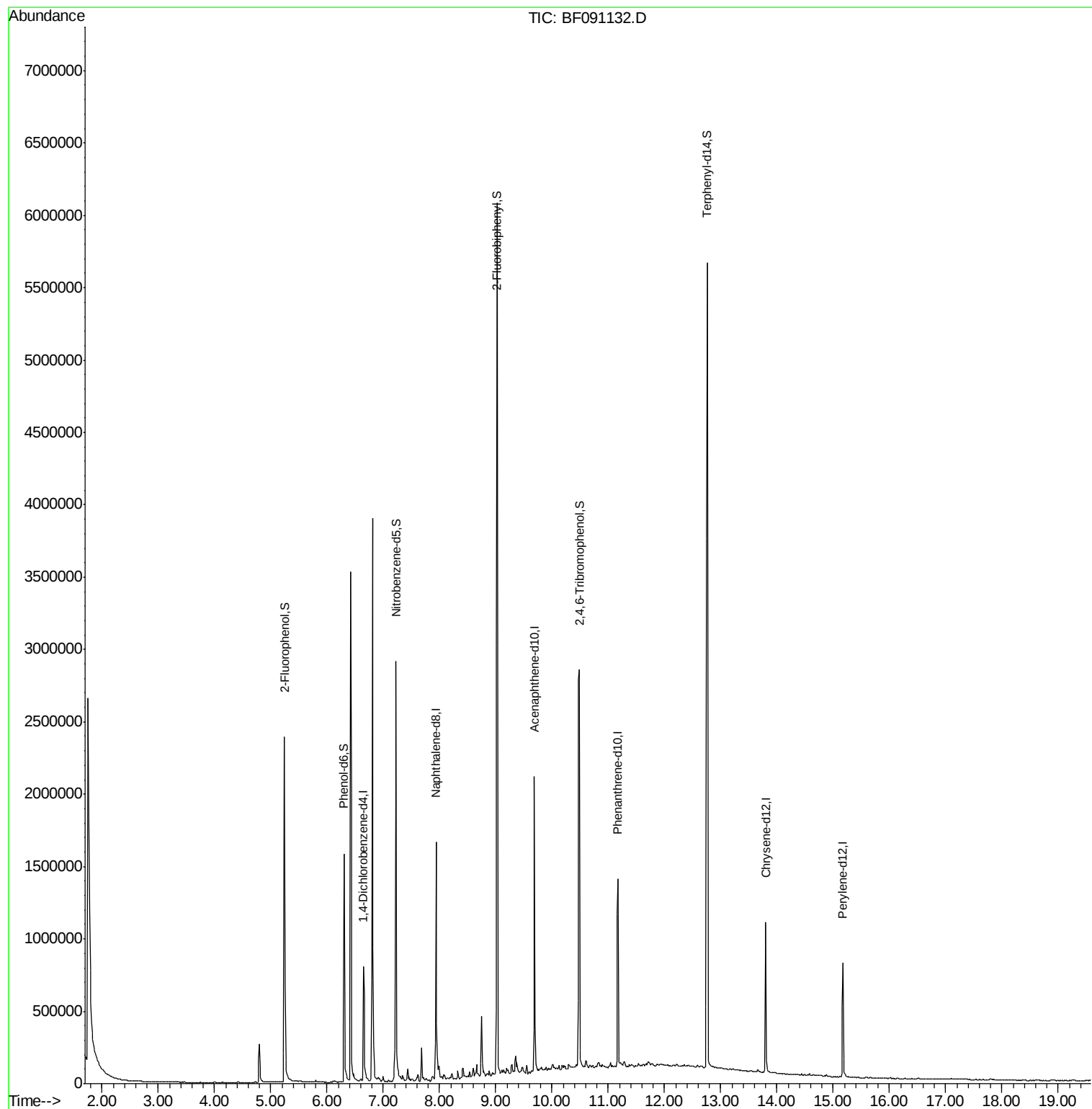
Target Compounds Qvalue

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110916\  
Data File : BF091132.D  
Acq On : 9 Nov 2016 18:56  
Operator : UM/SJ  
Sample : H5579-01  
Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RW-3

Quant Time: Nov 09 23:05:49 2016  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Nov 08 12:59:29 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.65 min Scan# 434

Delta R.T. -0.01 min

Lab File: BF091132.D

Acq: 9 Nov 2016 18:56

Instrument :

BNA\_F

ClientSampleId :

RW-3

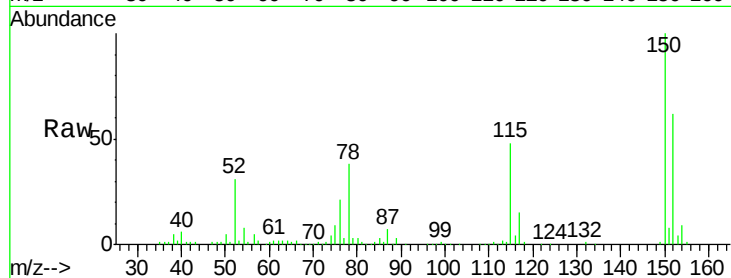
Tot Ion:152 Resp: 178391

Ion Ratio Lower Upper

152 100

150 161.6 126.8 190.2

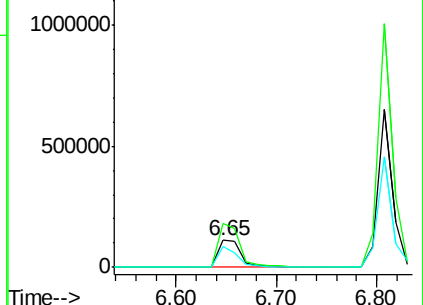
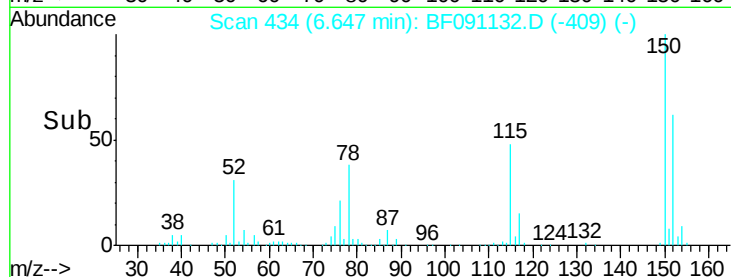
115 77.8 53.3 79.9



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: 69.22 ng

RT: 5.24 min Scan# 311

Delta R.T. -0.00 min

Lab File: BF091132.D

Acq: 9 Nov 2016 18:56

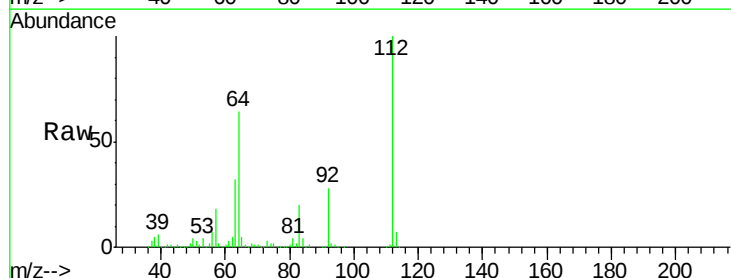
Tgt Ion:112 Resp: 747697

Ion Ratio Lower Upper

112 100

64 64.2 55.8 83.6

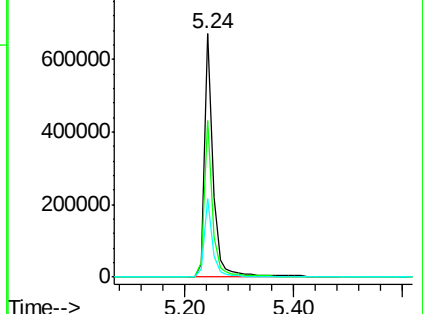
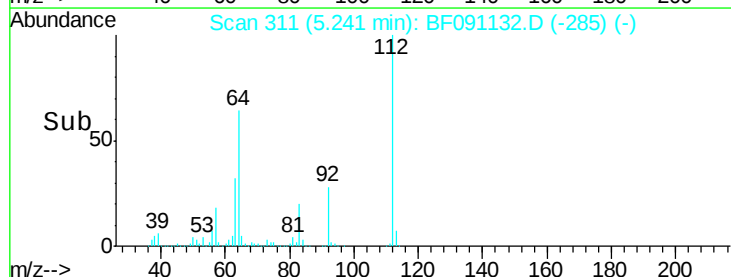
63 32.4 28.0 42.0



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: 45.52 ng

RT: 6.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: BF091132.D

Acq: 9 Nov 2016 18:56

Instrument :

BNA\_F

ClientSampleId :

RW-3

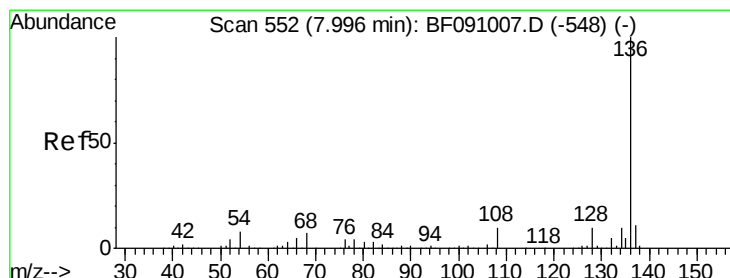
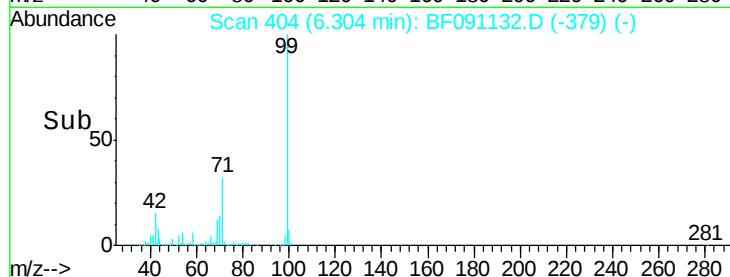
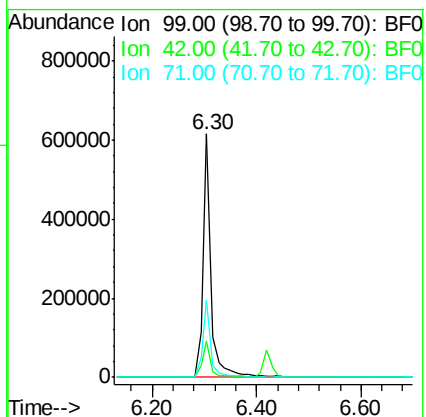
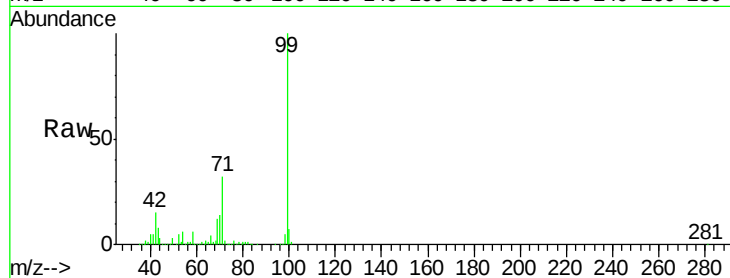
Tot Ion: 99 Resp: 667350

Ion Ratio Lower Upper

99 100

42 14.7 13.9 20.9

71 31.8 27.8 41.8



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.94 min Scan# 547

Delta R.T. -0.01 min

Lab File: BF091132.D

Acq: 9 Nov 2016 18:56

Tgt Ion: 136 Resp: 781226

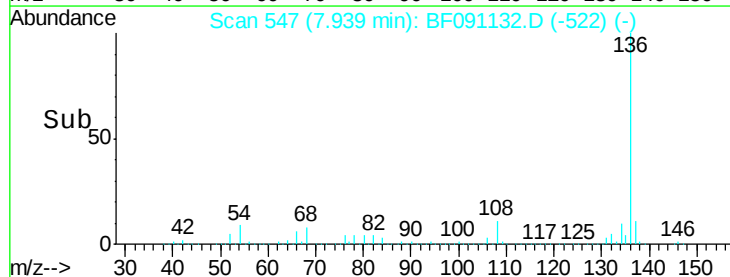
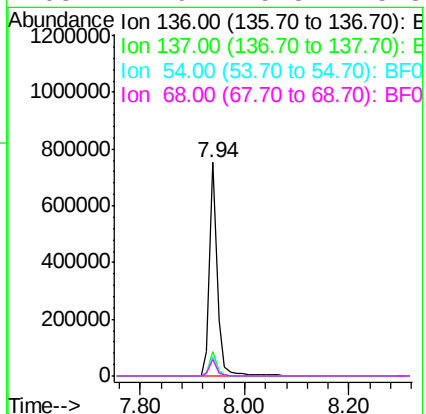
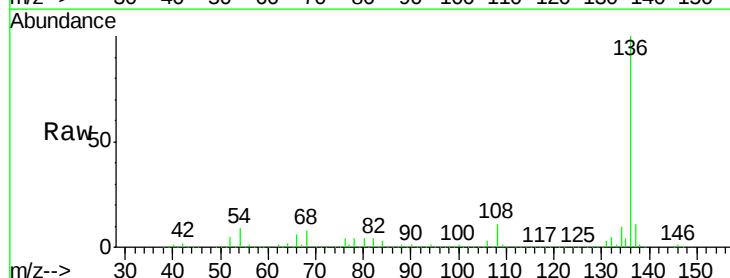
Ion Ratio Lower Upper

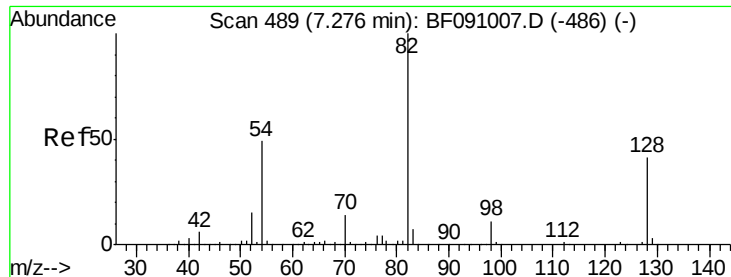
136 100

137 11.3 8.9 13.3

54 9.1 6.2 9.2

68 7.9 5.5 8.3

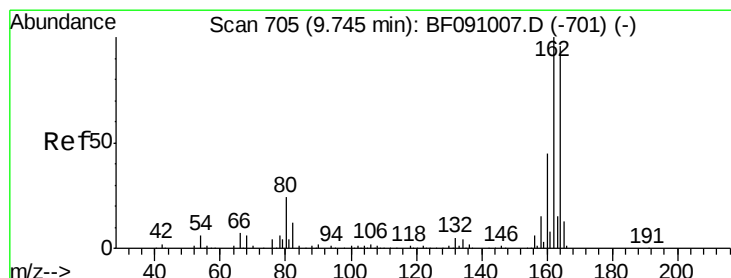
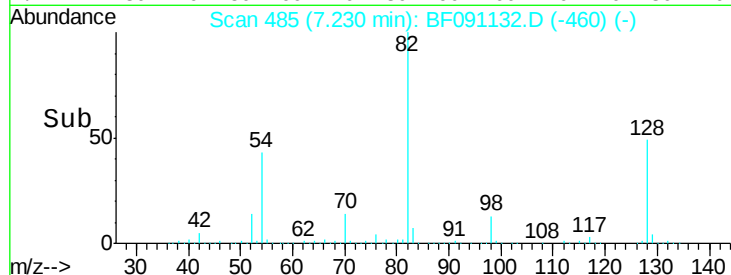
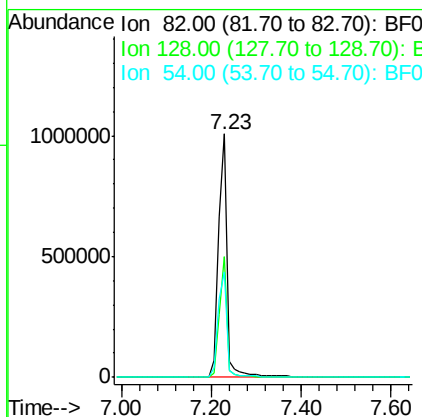
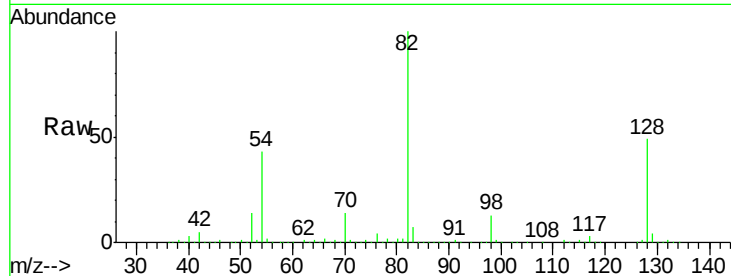




#23  
Nitrobenzene-d5  
Concen: 94.34 ng  
RT: 7.23 min Scan# 485  
Delta R.T. -0.01 min  
Lab File: BF091132.D  
Acq: 9 Nov 2016 18:56

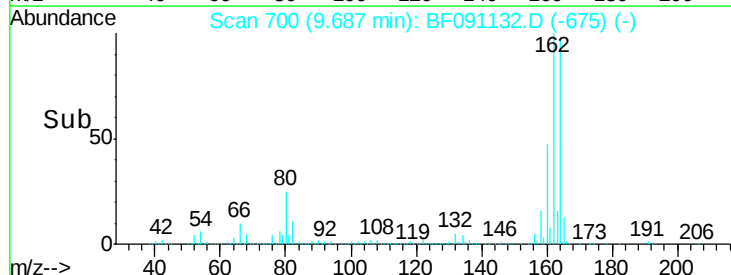
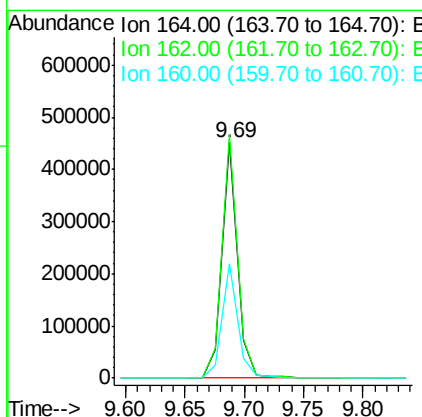
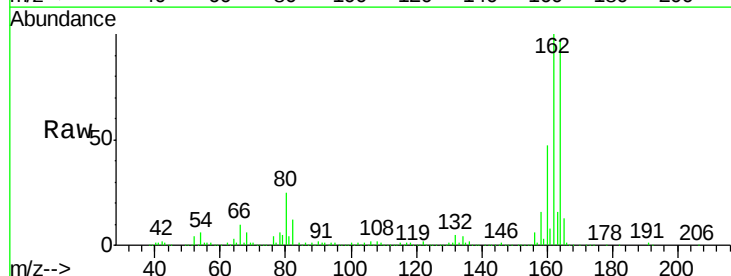
Instrument :  
BNA\_F  
ClientSampleId :  
RW-3

Tot Ion: 82 Resp: 1351099  
Ion Ratio Lower Upper  
82 100  
128 49.5 32.4 48.6#  
54 43.5 39.2 58.8



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.69 min Scan# 700  
Delta R.T. -0.01 min  
Lab File: BF091132.D  
Acq: 9 Nov 2016 18:56

Tgt Ion:164 Resp: 408065  
Ion Ratio Lower Upper  
164 100  
162 103.3 83.6 125.4  
160 48.7 37.9 56.9

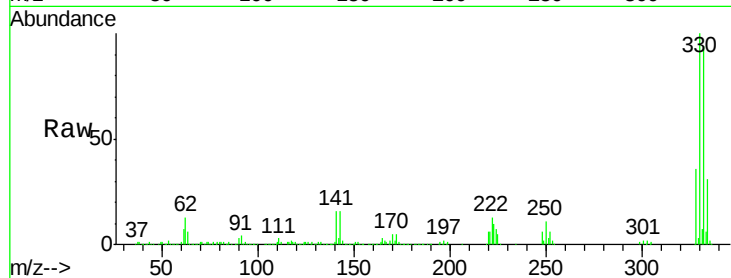




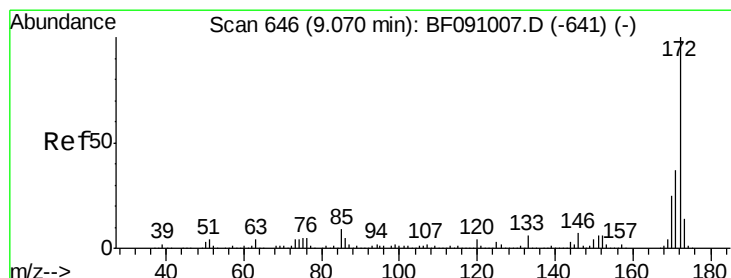
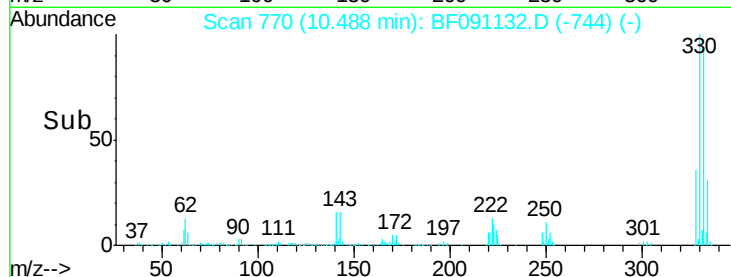
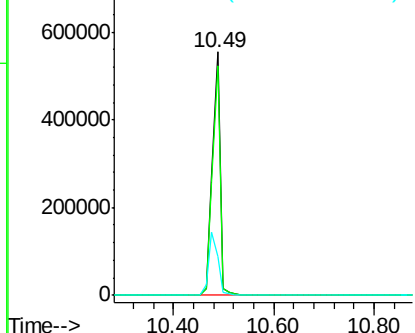
#41  
 2,4,6-Tribromophenol  
 Concen: 164.55 ng  
 RT: 10.49 min Scan# 770  
 Delta R.T. -0.00 min  
 Lab File: BF091132.D  
 Acq: 9 Nov 2016 18:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RW-3

Tot Ion:330 Resp: 607047  
 Ion Ratio Lower Upper  
 330 100  
 332 94.5 75.9 113.9  
 141 30.7 36.1 54.1#

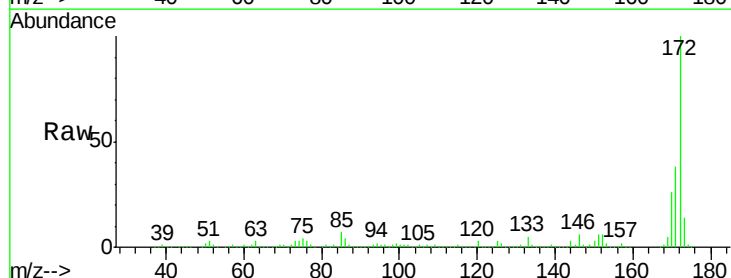


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

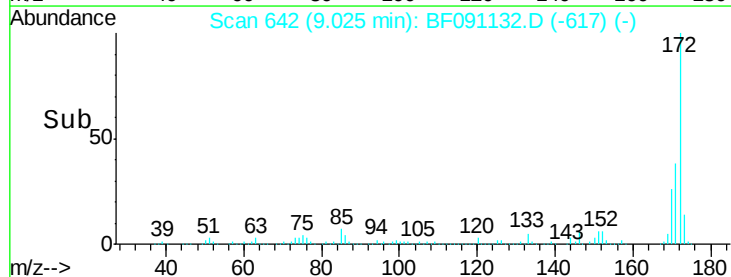
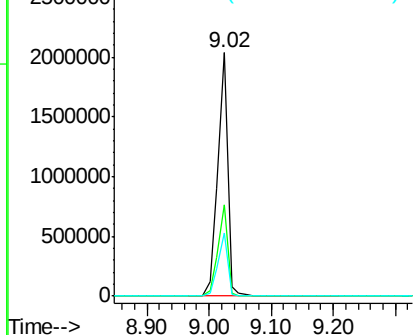


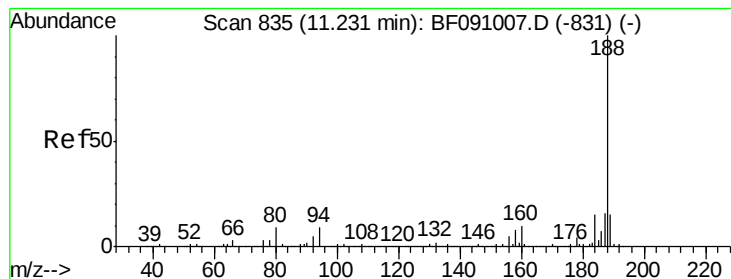
#44  
 2-Fluorobiphenyl  
 Concen: 93.44 ng  
 RT: 9.02 min Scan# 642  
 Delta R.T. -0.01 min  
 Lab File: BF091132.D  
 Acq: 9 Nov 2016 18:56

Tgt Ion:172 Resp: 2214732  
 Ion Ratio Lower Upper  
 172 100  
 171 37.5 29.8 44.6  
 170 25.9 20.3 30.5



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: 11.17 min Scan# 830

Delta R.T. -0.00 min

Lab File: BF091132.D

Acq: 9 Nov 2016 18:56

Instrument :

BNA\_F

ClientSampleId :

RW-3

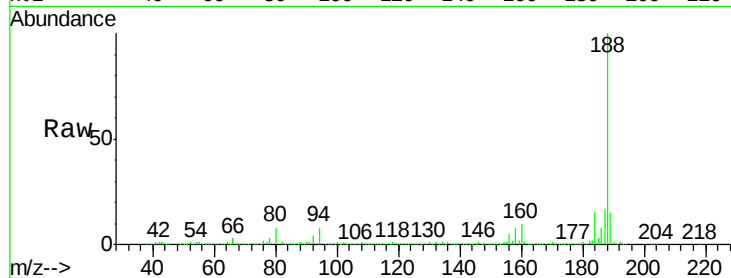
Tot Ion:188 Resp: 653075

Ion Ratio Lower Upper

188 100

94 7.9 7.0 10.4

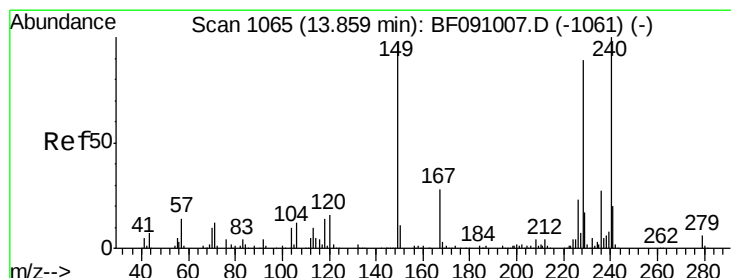
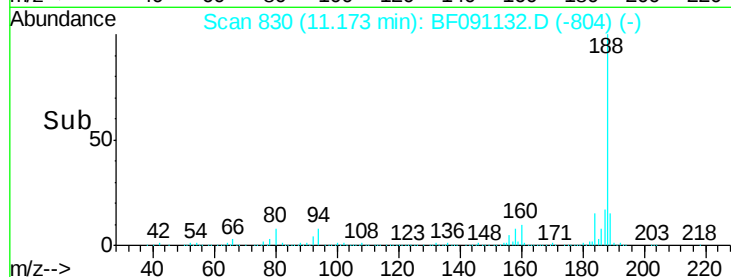
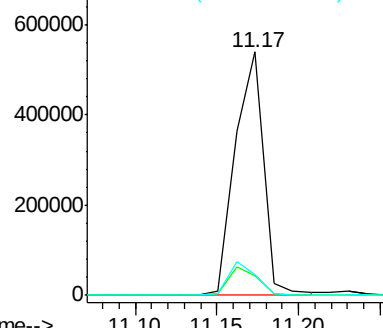
80 8.5 7.5 11.3



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: 13.80 min Scan# 1060

Delta R.T. -0.01 min

Lab File: BF091132.D

Acq: 9 Nov 2016 18:56

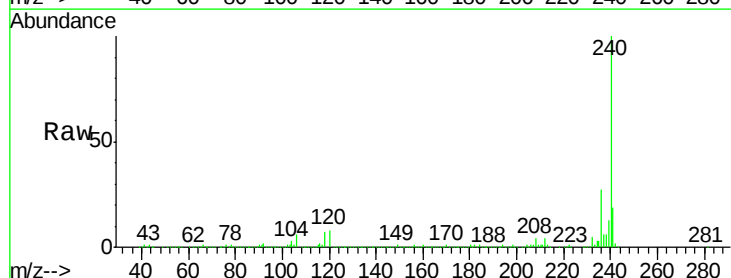
Tgt Ion:240 Resp: 501747

Ion Ratio Lower Upper

240 100

120 8.2 12.9 19.3#

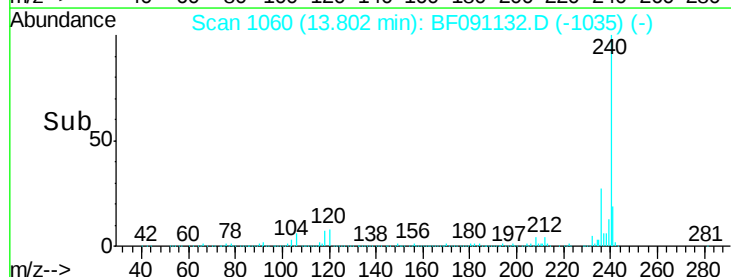
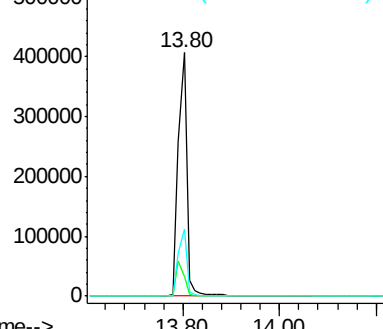
236 27.5 21.9 32.9

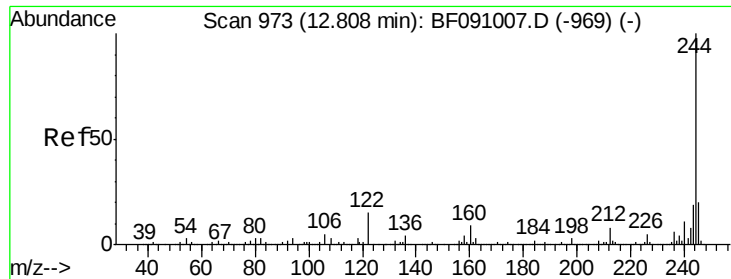


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

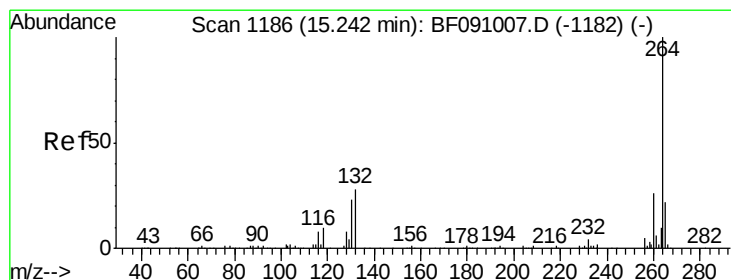
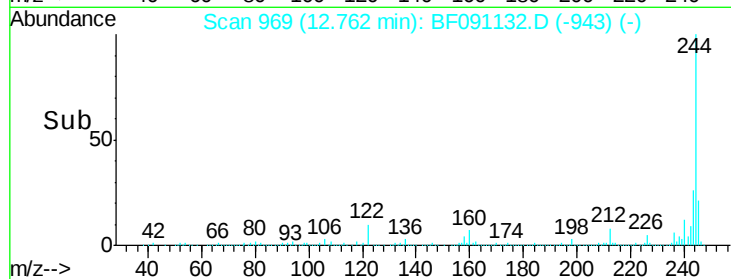
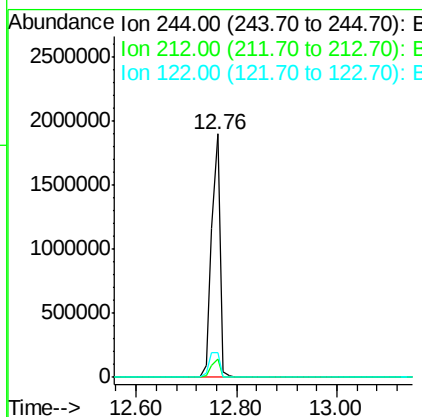
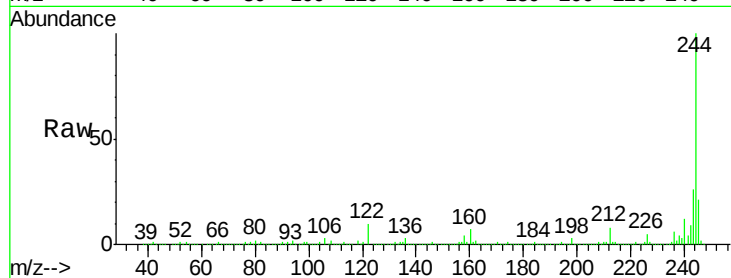




#78  
 Terphenyl-d14  
 Concen: 110.88 ng  
 RT: 12.76 min Scan# 969  
 Delta R.T. -0.00 min  
 Lab File: BF091132.D  
 Acq: 9 Nov 2016 18:56

Instrument :  
 BNA\_F  
 ClientSampleID :  
 RW-3

Tot Ion:244 Resp: 2229445  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.4 9.6  
 122 10.1 12.3 18.5#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.17 min Scan# 1180  
 Delta R.T. -0.01 min  
 Lab File: BF091132.D  
 Acq: 9 Nov 2016 18:56

Tgt Ion:264 Resp: 359934  
 Ion Ratio Lower Upper  
 264 100  
 260 25.1 20.6 30.8  
 265 21.3 17.8 26.8

