

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF112316\  
 Data File : BF091289.D  
 Acq On : 23 Nov 2016 21:53  
 Operator : UM/SJ  
 Sample : H5740-05  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02(6-7)

Quant Time: Nov 24 00:36:47 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF112316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Nov 23 13:22:53 2016  
 Response via : Initial Calibration

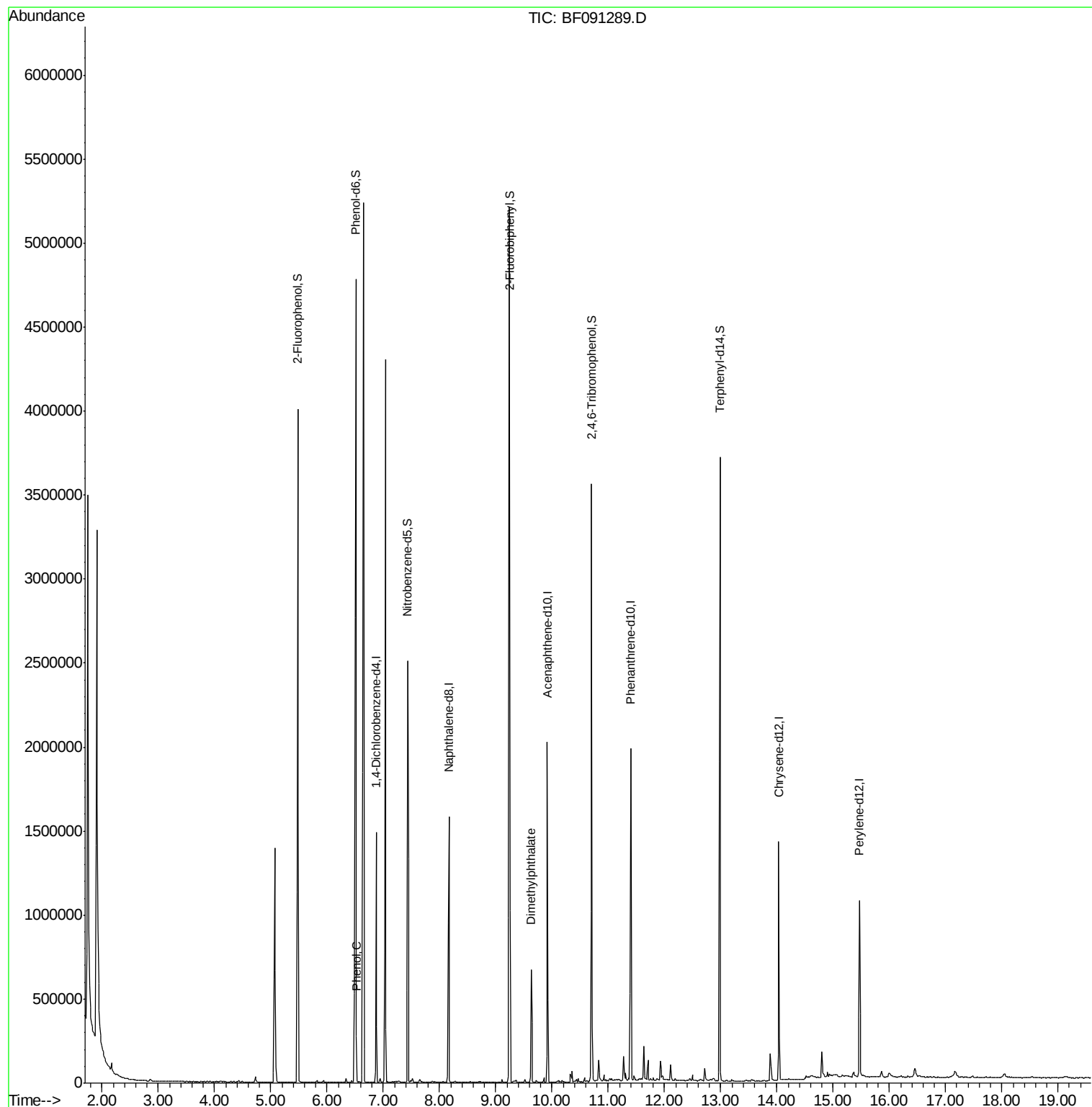
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.88  | 152  | 200996   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.17  | 136  | 863826   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 9.92  | 164  | 441361   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 11.40 | 188  | 717425   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 14.03 | 240  | 485536   | 20.00  | ng    | -0.01     |
| 86) Perylene-d12            | 15.47 | 264  | 481895   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.48  | 112  | 1224011  | 97.84  | ng    | 0.01      |
| 7) Phenol-d6                | 6.51  | 99   | 1783825  | 110.98 | ng    | 0.01      |
| 23) Nitrobenzene-d5         | 7.44  | 82   | 963459   | 64.21  | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol    | 10.70 | 330  | 413501   | 92.90  | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 9.24  | 172  | 1654067  | 61.36  | ng    | 0.00      |
| 78) Terphenyl-d14           | 12.99 | 244  | 1353817  | 63.68  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 10) Phenol                  | 6.52  | 94   | 80393    | 4.48   | ng    | Qvalue 78 |
| 49) Dimethylphthalate       | 9.63  | 163  | 316367   | 11.48  | ng    | # 95      |

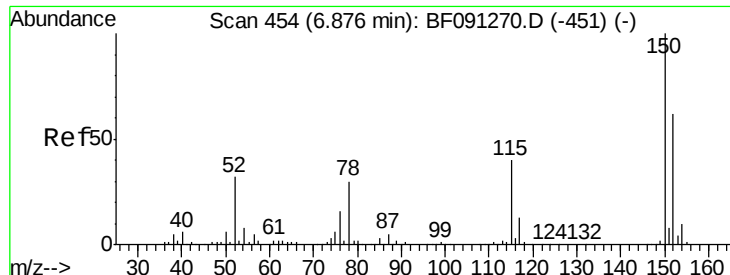
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF112316\  
Data File : BF091289.D  
Acq On : 23 Nov 2016 21:53  
Operator : UM/SJ  
Sample : H5740-05  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02(6-7)

Quant Time: Nov 24 00:36:47 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF112316.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Nov 23 13:22:53 2016  
Response via : Initial Calibration

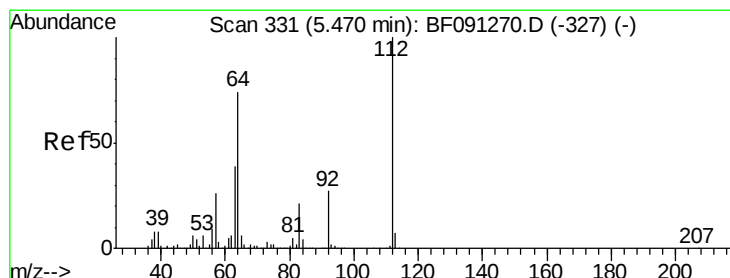
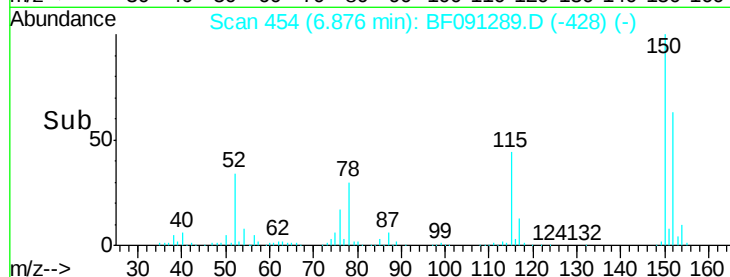
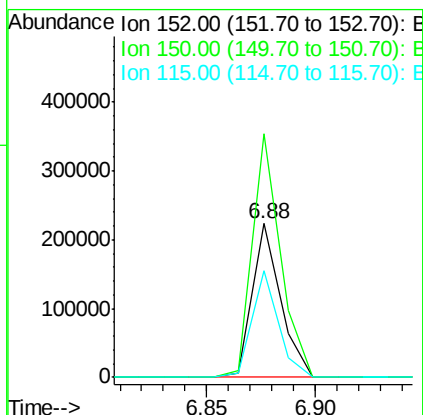
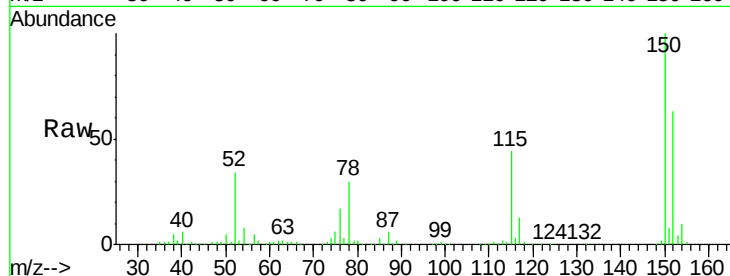




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.88 min Scan# 454  
 Delta R.T. 0.00 min  
 Lab File: BF091289.D  
 Acq: 23 Nov 2016 21:53

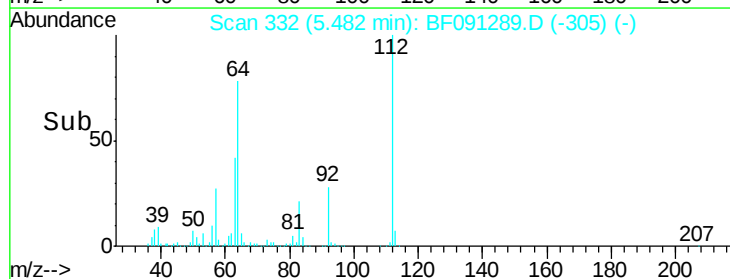
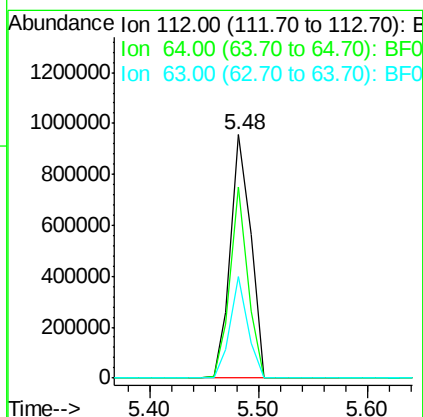
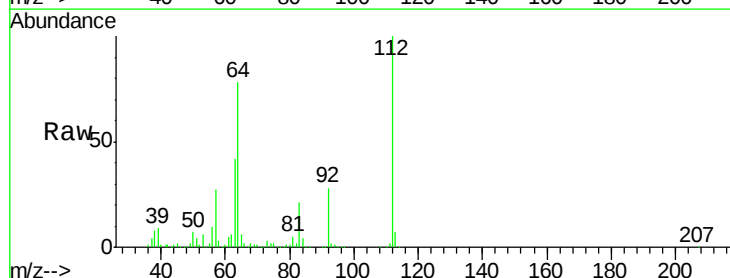
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02(6-7)

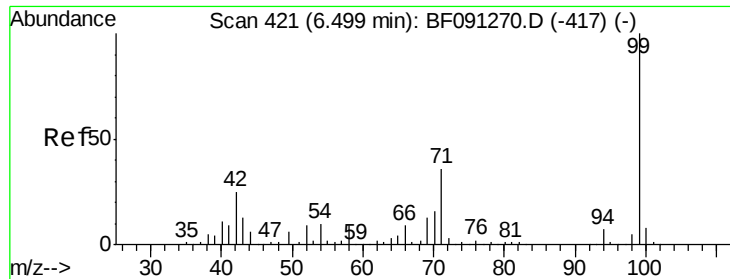
Tgt Ion:152 Resp: 200996  
 Ion Ratio Lower Upper  
 152 100  
 150 158.3 122.5 183.7  
 115 69.4 51.8 77.8



#5  
 2-Fluorophenol  
 Concen: 97.84 ng  
 RT: 5.48 min Scan# 332  
 Delta R.T. 0.01 min  
 Lab File: BF091289.D  
 Acq: 23 Nov 2016 21:53

Tgt Ion:112 Resp: 1224011  
 Ion Ratio Lower Upper  
 112 100  
 64 78.4 61.5 92.3  
 63 41.9 33.3 49.9





#7

Phenol-d6

Concen: 110.98 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.01 min

Lab File: BF091289.D

Acq: 23 Nov 2016 21:53

Instrument :

BNA\_F

ClientSampleId :

SB-02(6-7)

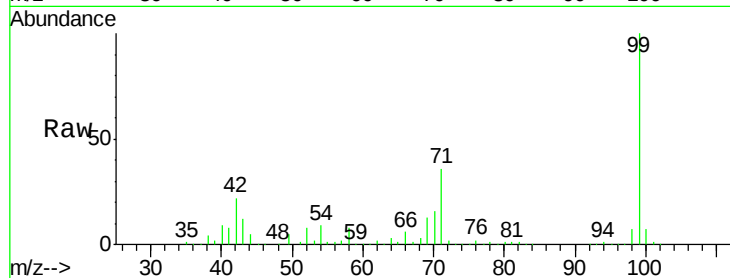
Tgt Ion: 99 Resp: 1783825

Ion Ratio Lower Upper

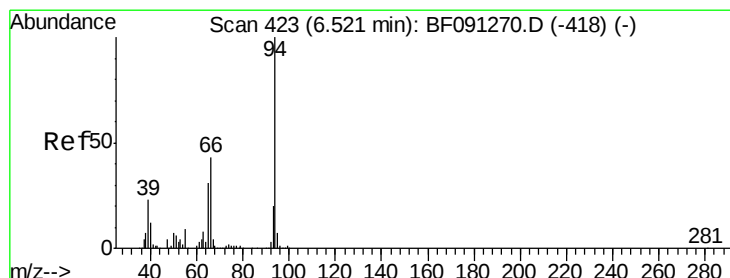
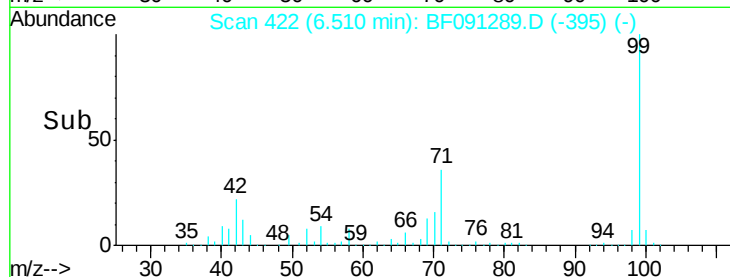
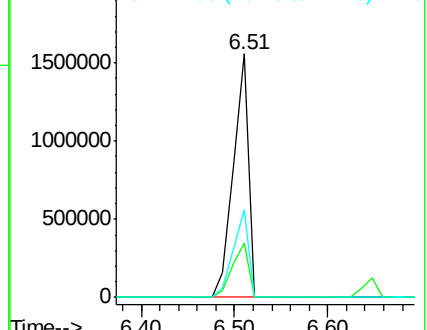
99 100

42 22.2 20.6 31.0

71 35.9 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



#10

Phenol

Concen: 4.48 ng

RT: 6.52 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF091289.D

Acq: 23 Nov 2016 21:53

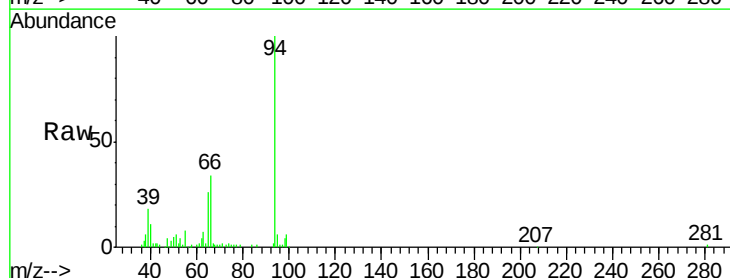
Tgt Ion: 94 Resp: 80393

Ion Ratio Lower Upper

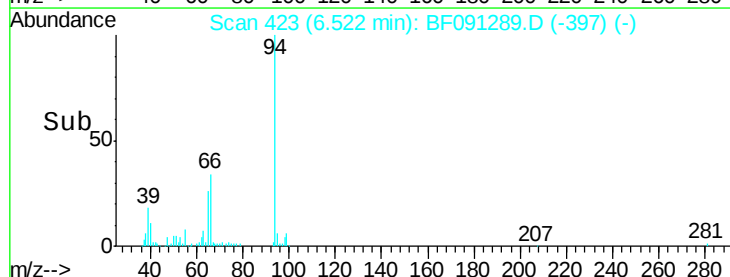
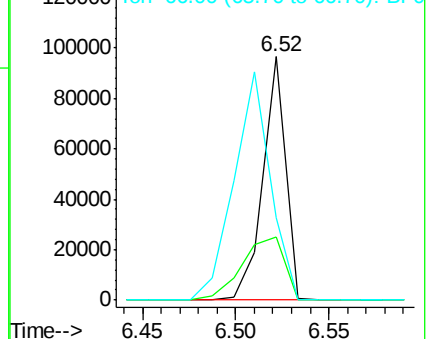
94 100

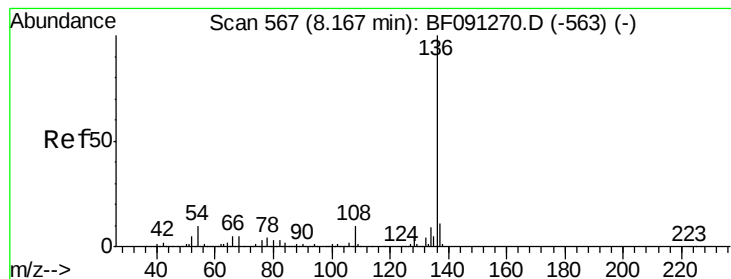
65 26.1 16.9 56.9

66 34.0 30.6 70.6



Abundance Ion 94.00 (93.70 to 94.70): BF0  
Ion 65.00 (64.70 to 65.70): BF0  
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 567

Delta R.T. 0.00 min

Lab File: BF091289.D

Acq: 23 Nov 2016 21:53

Instrument :

BNA\_F

ClientSampleId :

SB-02(6-7)

Tgt Ion: 136 Resp: 863826

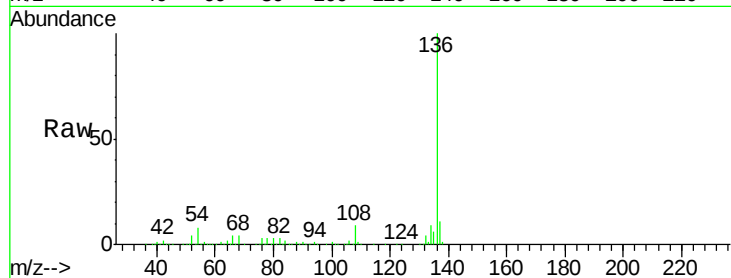
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 8.2 9.1 13.7#

68 4.3 5.9 8.9#

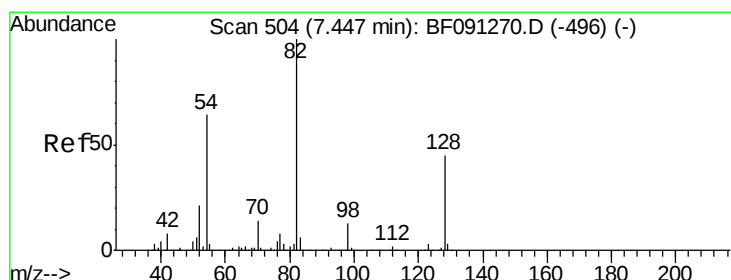
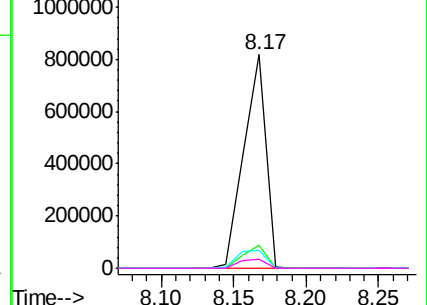
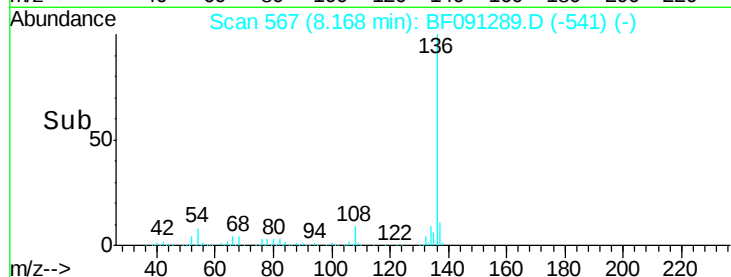


Abundance Ion 136.00 (135.70 to 136.70): E

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: 64.21 ng

RT: 7.44 min Scan# 503

Delta R.T. -0.01 min

Lab File: BF091289.D

Acq: 23 Nov 2016 21:53

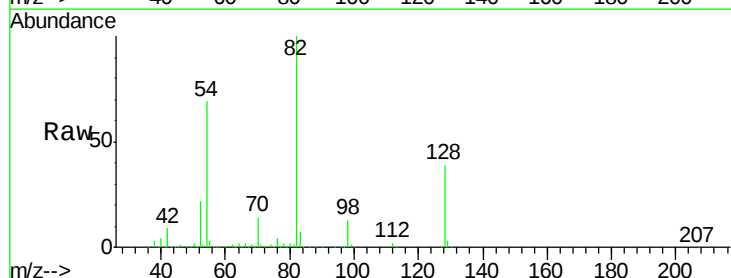
Tgt Ion: 82 Resp: 963459

Ion Ratio Lower Upper

82 100

128 39.3 31.8 47.6

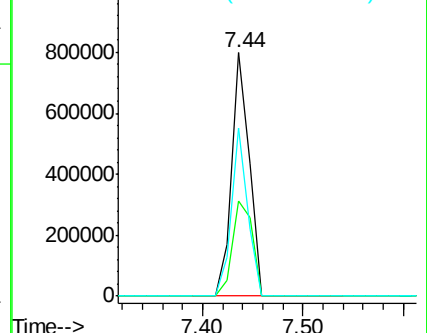
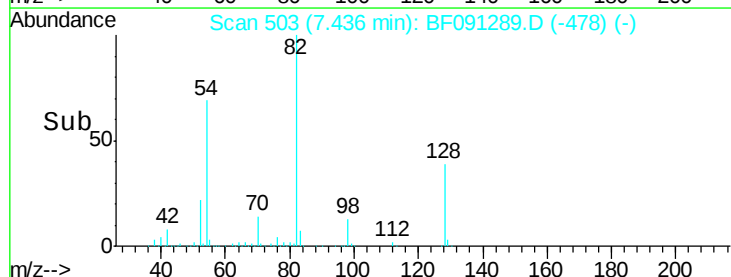
54 68.8 49.1 73.7

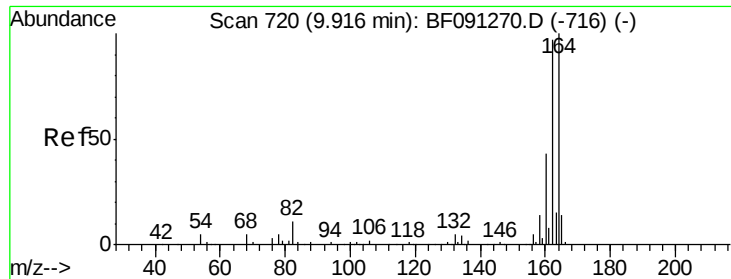


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: 9.92 min Scan# 720

Delta R.T. 0.00 min

Lab File: BF091289.D

Acq: 23 Nov 2016 21:53

Instrument :

BNA\_F

ClientSampleId :

SB-02(6-7)

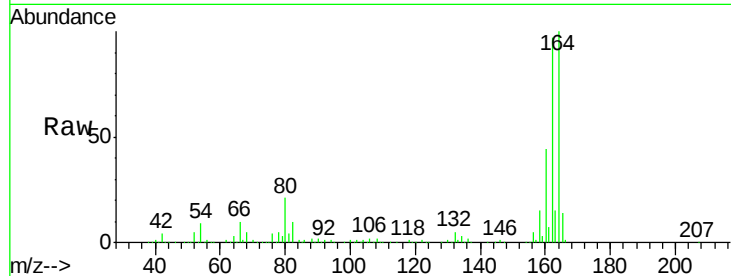
Tgt Ion:164 Resp: 441361

Ion Ratio Lower Upper

164 100

162 97.0 82.6 124.0

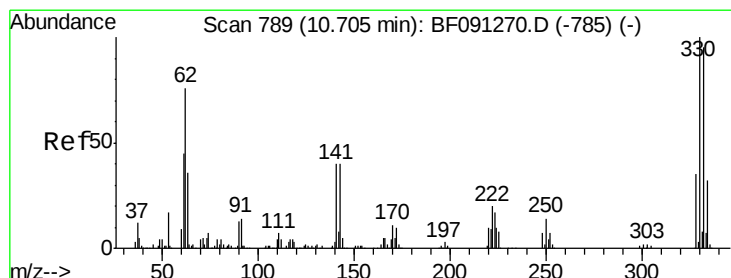
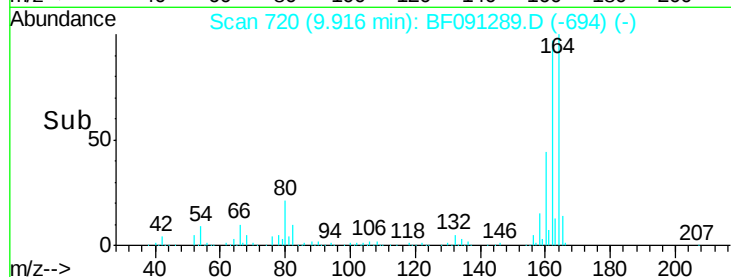
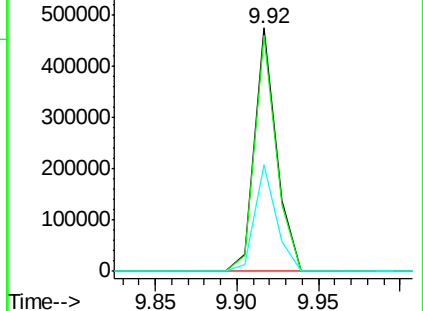
160 44.0 36.7 55.1



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: 92.90 ng

RT: 10.70 min Scan# 789

Delta R.T. 0.00 min

Lab File: BF091289.D

Acq: 23 Nov 2016 21:53

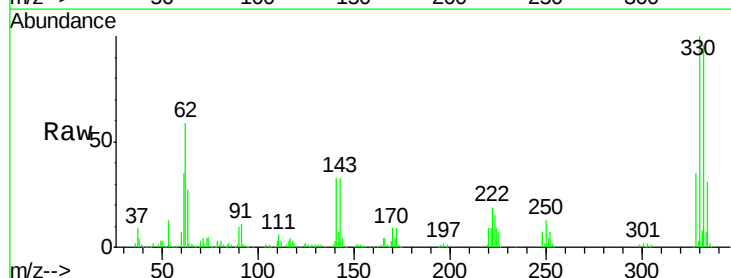
Tgt Ion:330 Resp: 413501

Ion Ratio Lower Upper

330 100

332 96.0 76.2 114.4

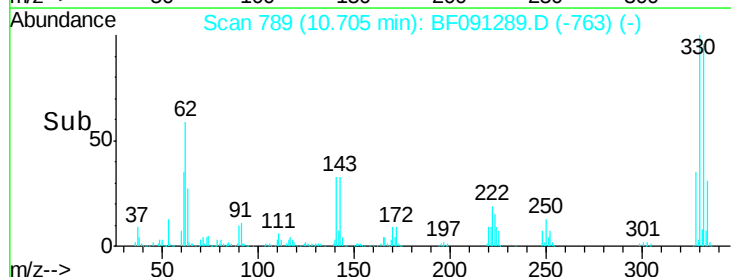
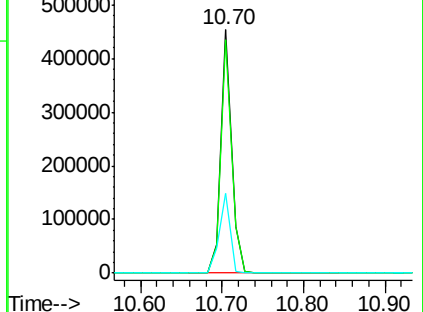
141 33.6 33.6 50.4

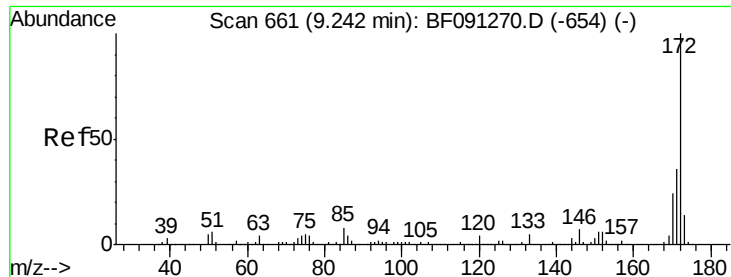


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

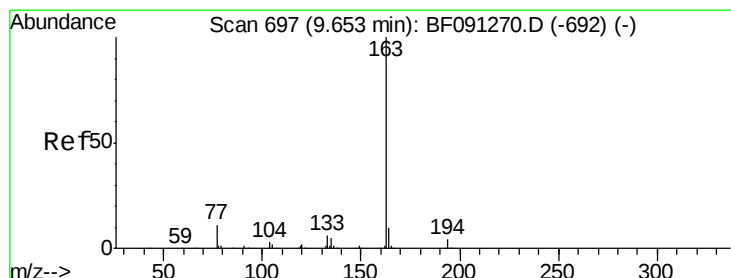
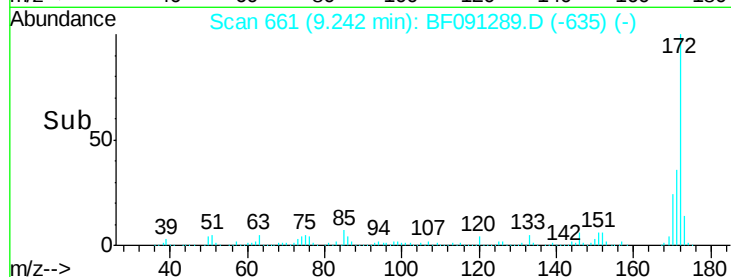
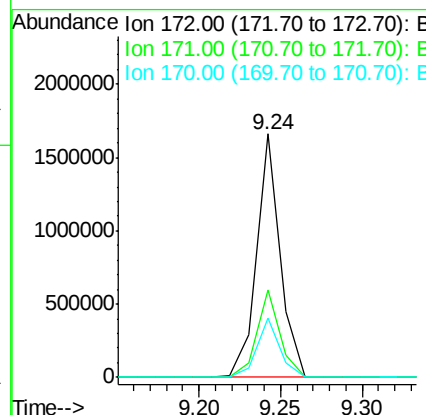
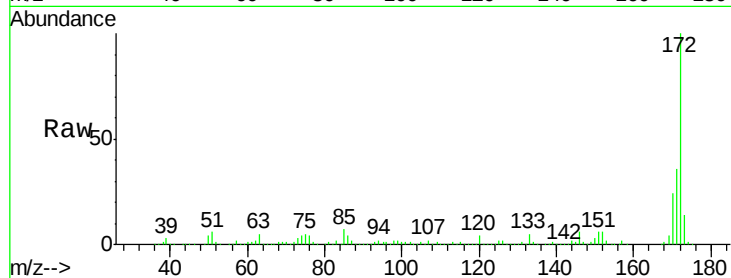




#44  
2-Fluorobiphenyl  
Concen: 61.36 ng  
RT: 9.24 min Scan# 661  
Delta R.T. 0.00 min  
Lab File: BF091289.D  
Acq: 23 Nov 2016 21:53

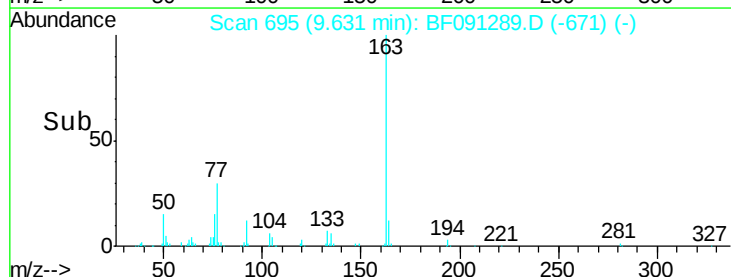
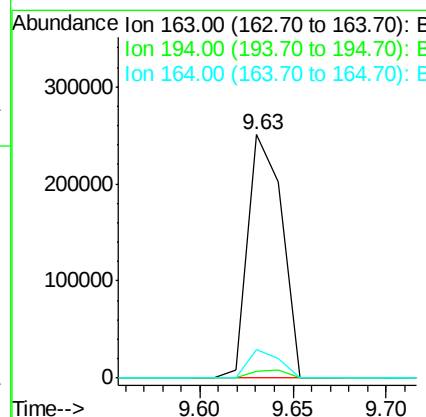
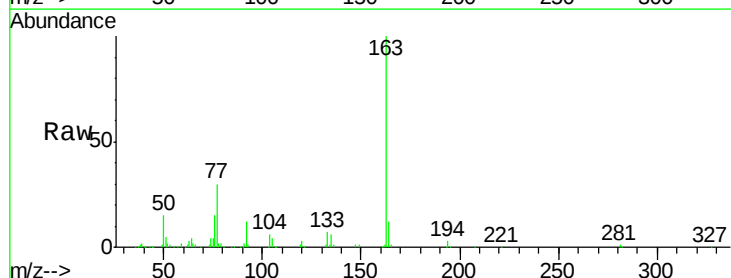
Instrument :  
BNA\_F  
ClientSampleId :  
SB-02(6-7)

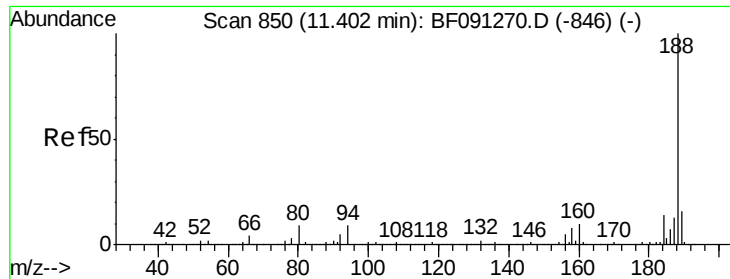
Tgt Ion:172 Resp: 1654067  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.4 44.0  
170 24.2 19.7 29.5



#49  
Dimethylphthalate  
Concen: 11.48 ng  
RT: 9.63 min Scan# 695  
Delta R.T. -0.02 min  
Lab File: BF091289.D  
Acq: 23 Nov 2016 21:53

Tgt Ion:163 Resp: 316367  
Ion Ratio Lower Upper  
163 100  
194 3.0 3.0 4.4  
164 11.9 7.8 11.8#

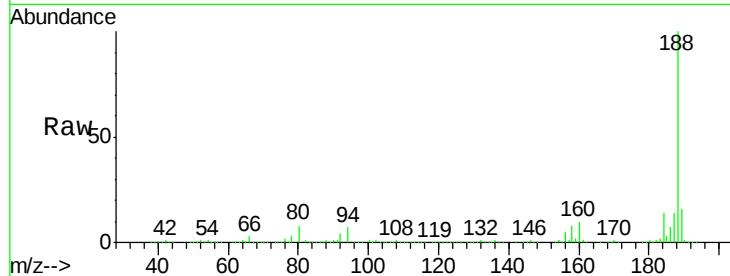




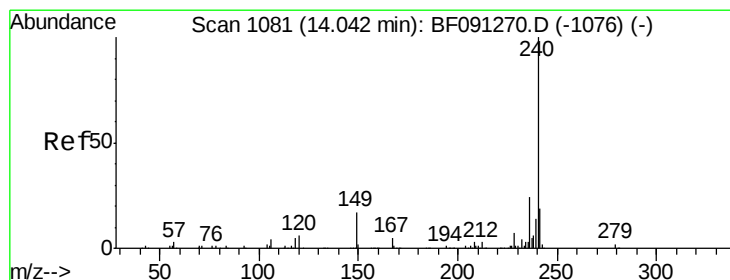
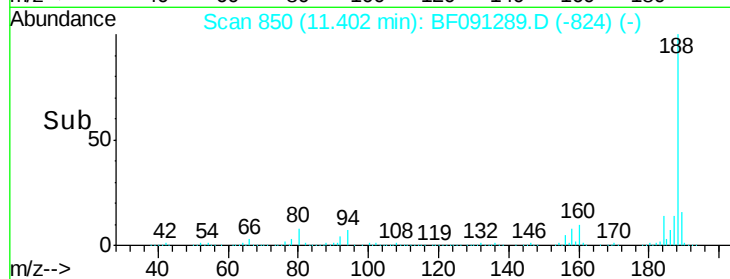
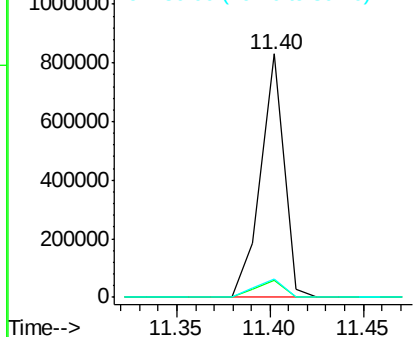
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.40 min Scan# 850  
Delta R.T. 0.00 min  
Lab File: BF091289.D  
Acq: 23 Nov 2016 21:53

Instrument :  
BNA\_F  
ClientSampleId :  
SB-02(6-7)

Tgt Ion:188 Resp: 717425  
Ion Ratio Lower Upper  
188 100  
94 7.2 9.2 13.8#  
80 7.6 10.5 15.7#

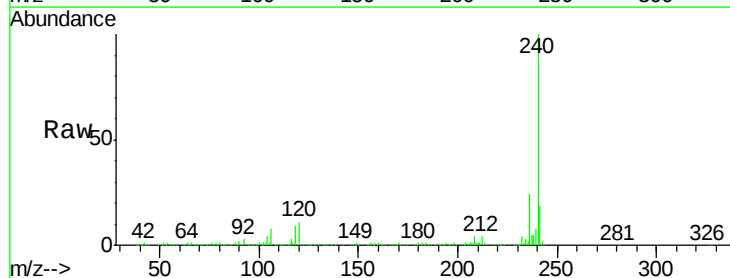


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

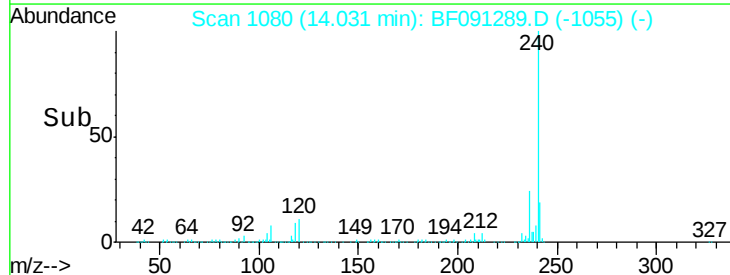
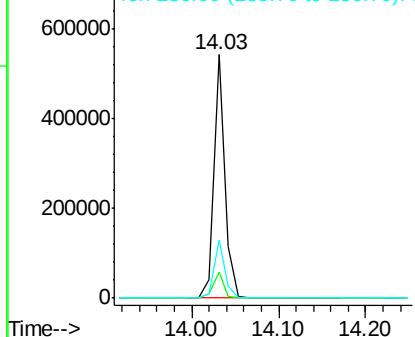


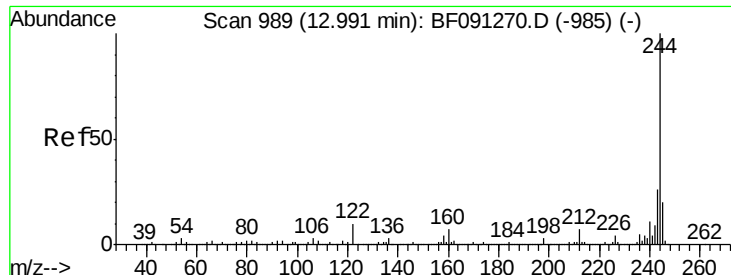
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.03 min Scan# 1080  
Delta R.T. -0.01 min  
Lab File: BF091289.D  
Acq: 23 Nov 2016 21:53

Tgt Ion:240 Resp: 485536  
Ion Ratio Lower Upper  
240 100  
120 10.9 12.1 18.1#  
236 24.0 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

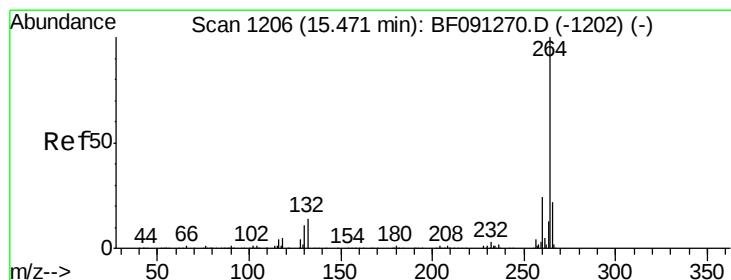
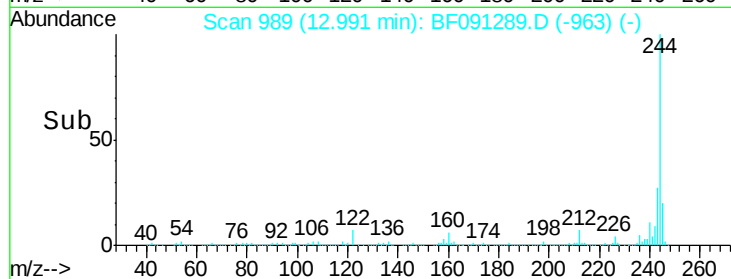
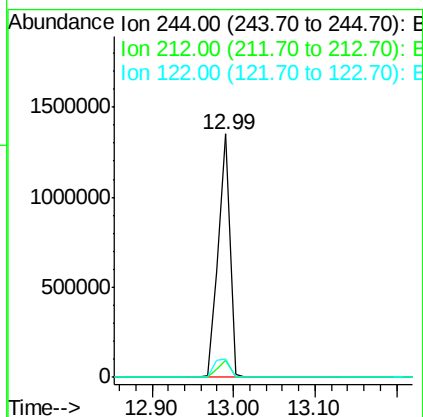
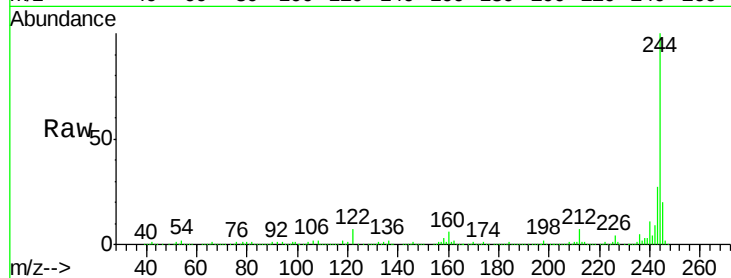




#78  
 Terphenyl-d14  
 Concen: 63.68 ng  
 RT: 12.99 min Scan# 989  
 Delta R.T. 0.00 min  
 Lab File: BF091289.D  
 Acq: 23 Nov 2016 21:53

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-02(6-7)

Tgt Ion:244 Resp: 1353817  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 6.5 9.7  
 122 7.3 9.5 14.3#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.47 min Scan# 1206  
 Delta R.T. 0.00 min  
 Lab File: BF091289.D  
 Acq: 23 Nov 2016 21:53

Tgt Ion:264 Resp: 481895  
 Ion Ratio Lower Upper  
 264 100  
 260 23.5 18.8 28.2  
 265 21.5 17.0 25.6

