

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021417\  
 Data File : BF092939.D  
 Acq On : 14 Feb 2017 13:04  
 Operator : SJ/MA  
 Sample : I1788-02  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-2-021017

Quant Time: Feb 14 13:45:28 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 13 18:04:38 2017  
 Response via : Initial Calibration

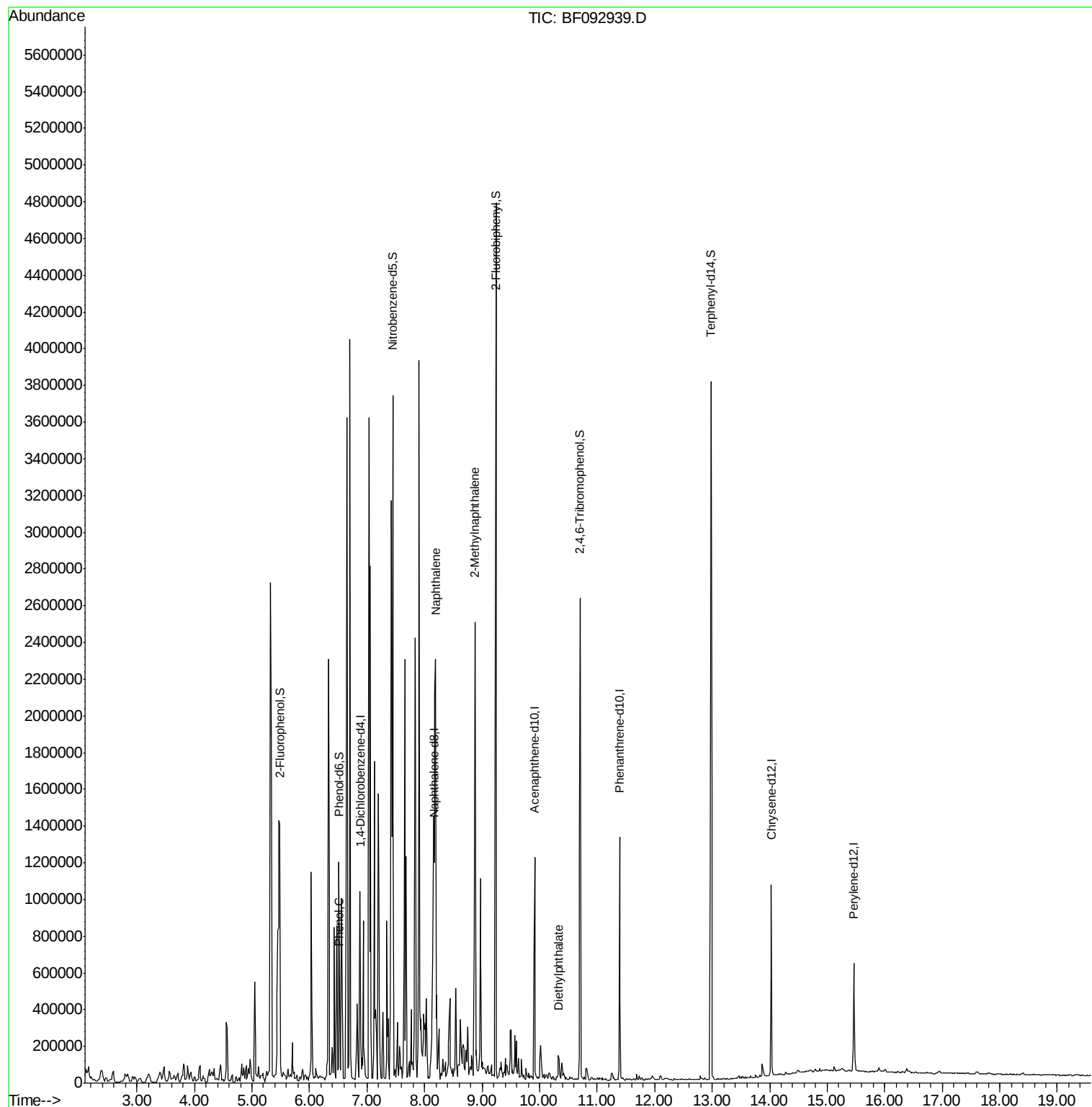
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.88  | 152  | 142752   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.17  | 136  | 563640   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.92  | 164  | 328317   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.39 | 188  | 495524   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.03 | 240  | 414201   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.46 | 264  | 282046   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.48  | 112  | 570028   | 68.51  | ng    | 0.00     |
| 7) Phenol-d6                | 6.51  | 99   | 417551   | 39.00  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 855171   | 84.49  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.70 | 330  | 317459   | 133.69 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.24  | 172  | 1796837  | 99.15  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.98 | 244  | 1496442  | 84.89  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.52  | 94   | 25444    | 2.03   | ng    | 88       |
| 31) Naphthalene             | 8.19  | 128  | 1235425  | 43.24  | ng    | 99       |
| 37) 2-Methylnaphthalene     | 8.88  | 142  | 678697   | 37.00  | ng    | 97       |
| 59) Diethylphthalate        | 10.33 | 149  | 44039    | 2.11   | ng    | 99       |

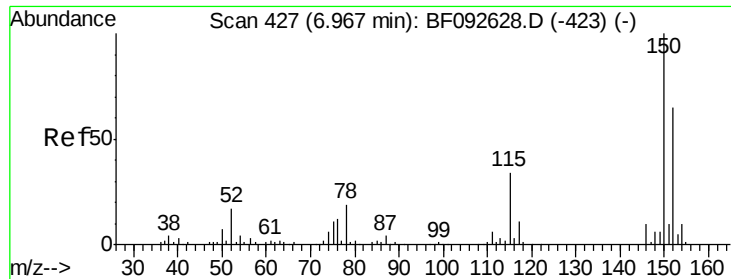
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021417\  
Data File : BF092939.D  
Acq On : 14 Feb 2017 13:04  
Operator : SJ/MA  
Sample : I1788-02  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
MW-2-021017

Quant Time: Feb 14 13:45:28 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 13 18:04:38 2017  
Response via : Initial Calibration



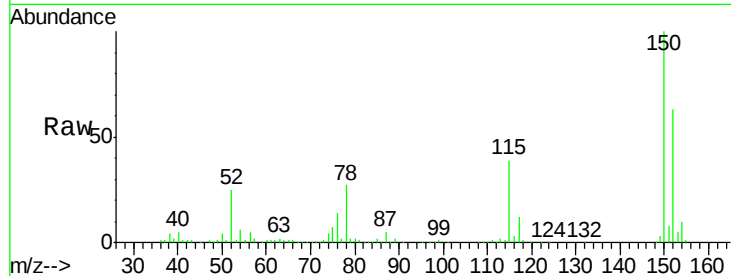


#1

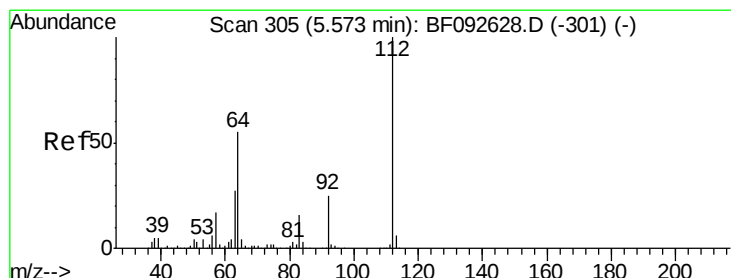
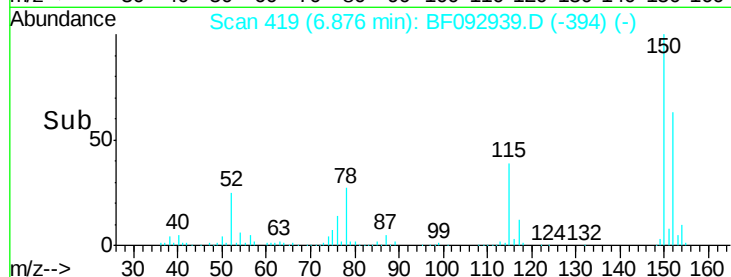
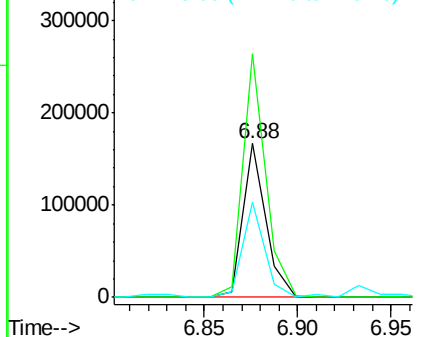
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.88 min Scan# 419  
Delta R.T. -0.01 min  
Lab File: BF092939.D  
Acq: 14 Feb 2017 13:04

Instrument :  
BNA\_F  
ClientSampleId :  
MW-2-021017

Tgt Ion:152 Resp: 142752  
Ion Ratio Lower Upper  
152 100  
150 158.5 124.9 187.3  
115 62.1 46.0 69.0



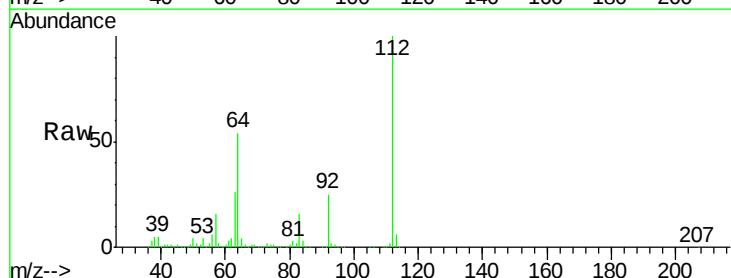
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



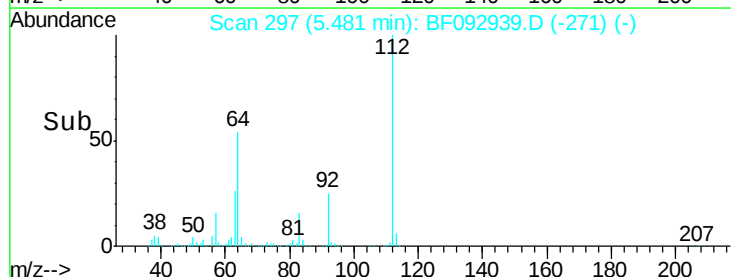
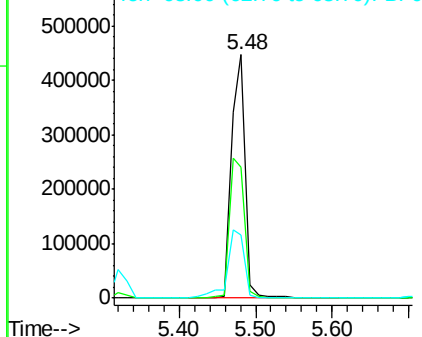
#5

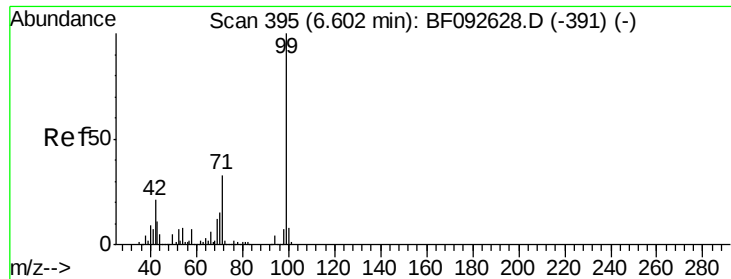
2-Fluorophenol  
Concen: 68.51 ng  
RT: 5.48 min Scan# 297  
Delta R.T. 0.00 min  
Lab File: BF092939.D  
Acq: 14 Feb 2017 13:04

Tgt Ion:112 Resp: 570028  
Ion Ratio Lower Upper  
112 100  
64 53.7 46.1 69.1  
63 26.0 23.8 35.6



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: 39.00 ng

RT: 6.51 min Scan# 387

Delta R.T. -0.02 min

Lab File: BF092939.D

Acq: 14 Feb 2017 13:04

Instrument :

BNA\_F

ClientSampleId :

MW-2-021017

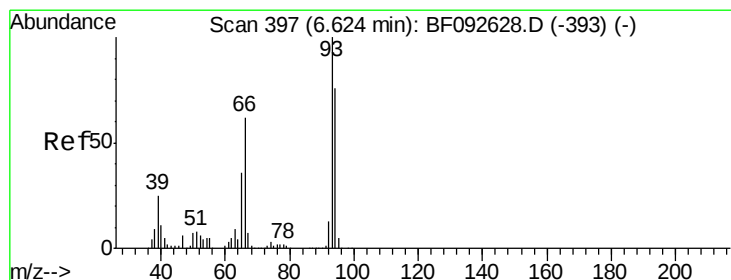
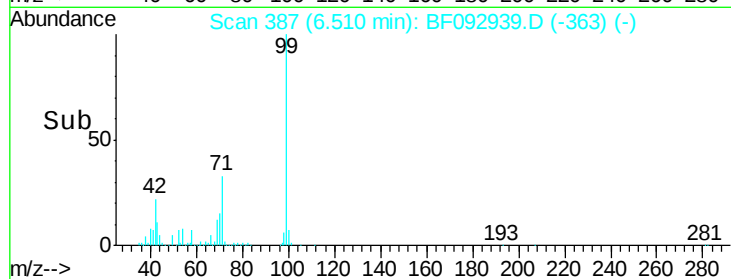
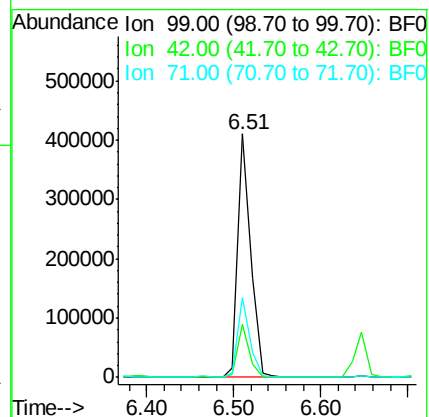
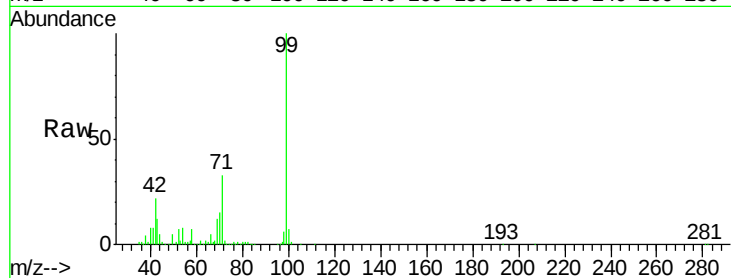
Tgt Ion: 99 Resp: 417551

Ion Ratio Lower Upper

99 100

42 21.9 15.6 23.4

71 33.0 27.5 41.3



#10

Phenol

Concen: 2.03 ng

RT: 6.52 min Scan# 388

Delta R.T. -0.02 min

Lab File: BF092939.D

Acq: 14 Feb 2017 13:04

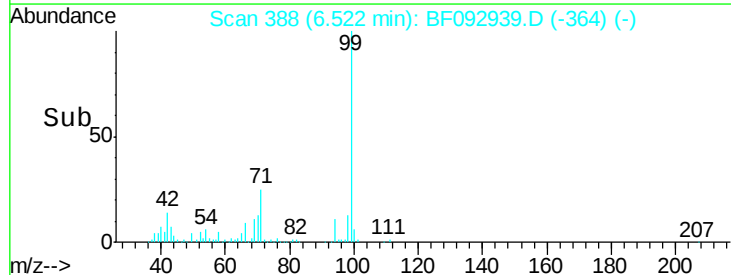
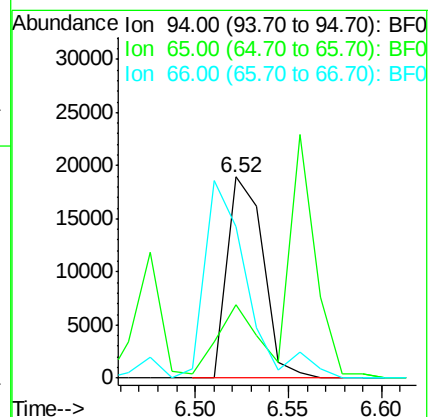
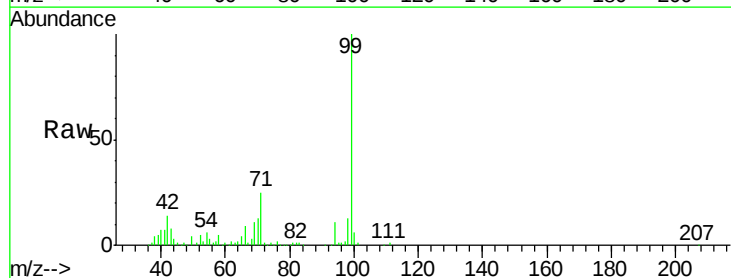
Tgt Ion: 94 Resp: 25444

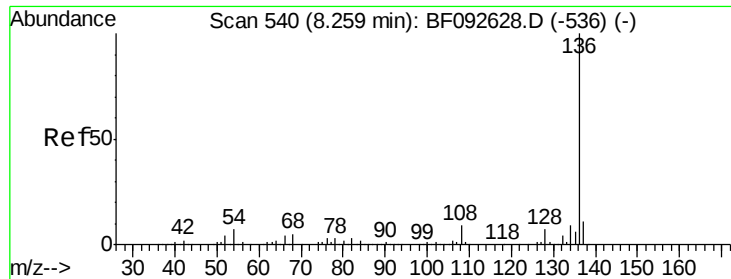
Ion Ratio Lower Upper

94 100

65 36.2 21.4 61.4

66 75.2 44.0 84.0

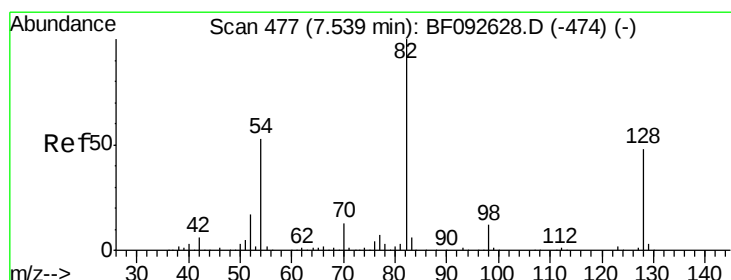
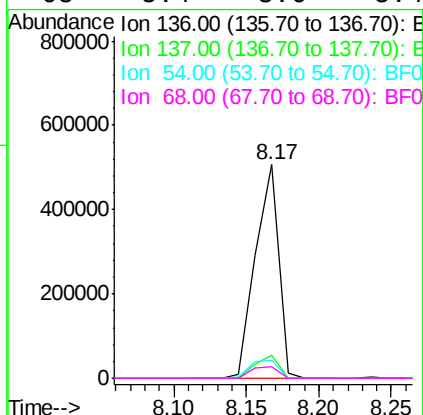
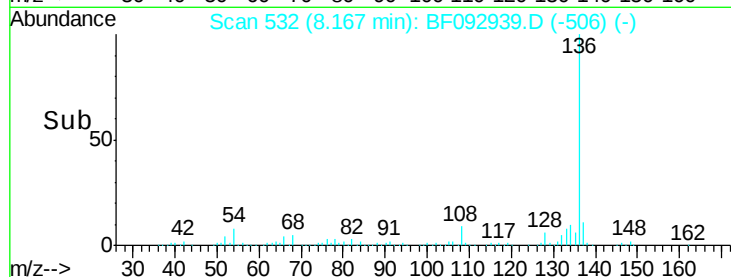
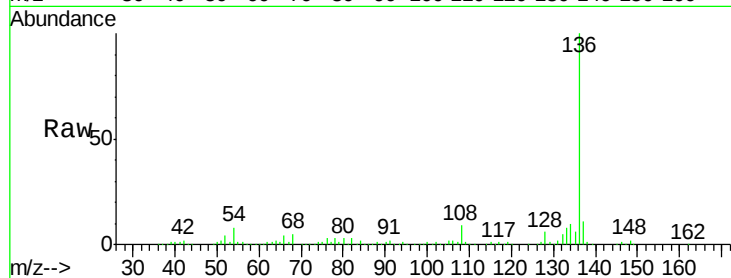




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.17 min Scan# 532  
Delta R.T. 0.00 min  
Lab File: BF092939.D  
Acq: 14 Feb 2017 13:04

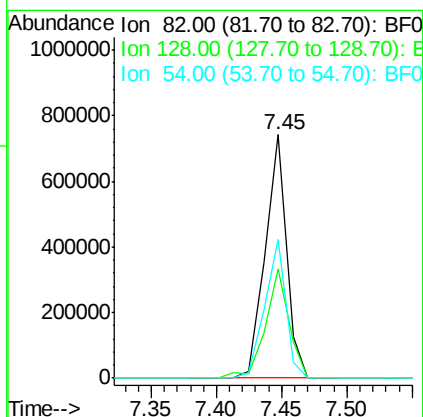
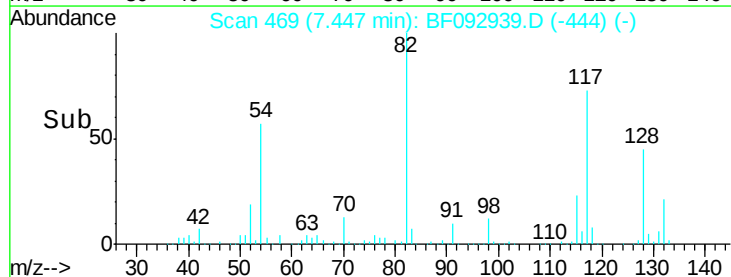
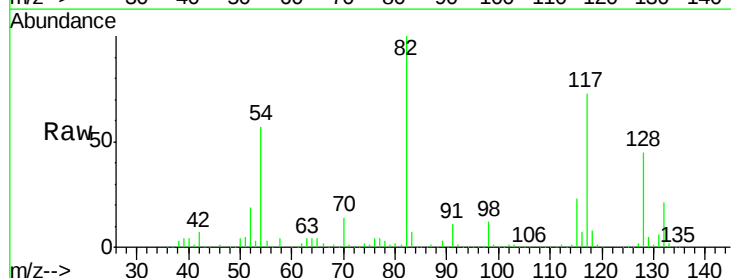
Instrument :  
BNA\_F  
ClientSampleId :  
MW-2-021017

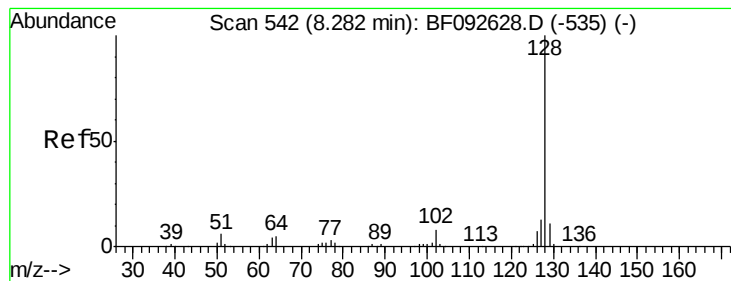
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 563640 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.4   | 12.6   |
| 54       | 8.1   | 4.5   | 6.7#   |
| 68       | 5.4   | 3.6   | 5.4#   |



#23  
Nitrobenzene-d5  
Concen: 84.49 ng  
RT: 7.45 min Scan# 469  
Delta R.T. -0.01 min  
Lab File: BF092939.D  
Acq: 14 Feb 2017 13:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 855171 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.8  | 34.6  | 52.0   |
| 54       | 56.8  | 39.5  | 59.3   |





#31

Naphthalene

Concen: 43.24 ng

RT: 8.19 min Scan# 534

Delta R.T. 0.00 min

Lab File: BF092939.D

Acq: 14 Feb 2017 13:04

Instrument :

BNA\_F

ClientSampleId :

MW-2-021017

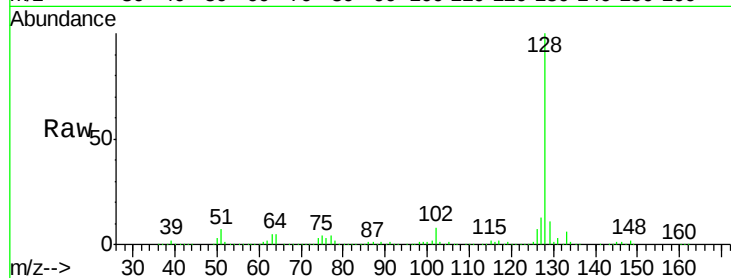
Tgt Ion:128 Resp: 1235425

Ion Ratio Lower Upper

128 100

129 11.1 9.5 14.3

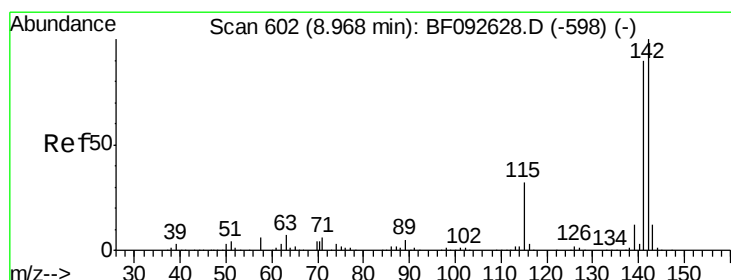
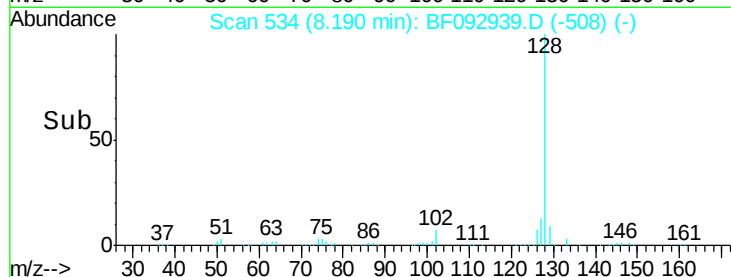
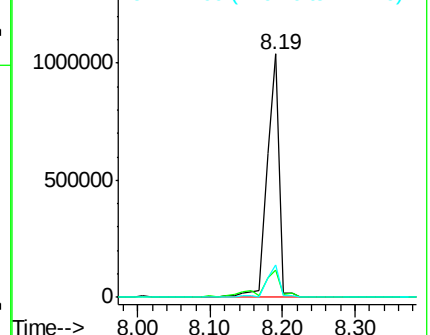
127 13.4 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 37.00 ng

RT: 8.88 min Scan# 594

Delta R.T. -0.01 min

Lab File: BF092939.D

Acq: 14 Feb 2017 13:04

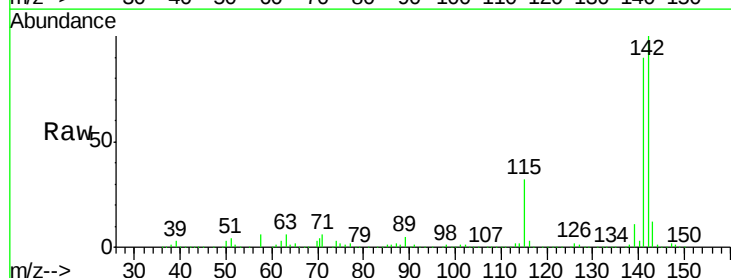
Tgt Ion:142 Resp: 678697

Ion Ratio Lower Upper

142 100

141 90.5 71.0 106.6

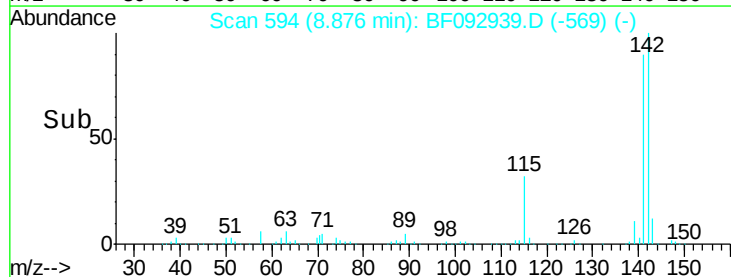
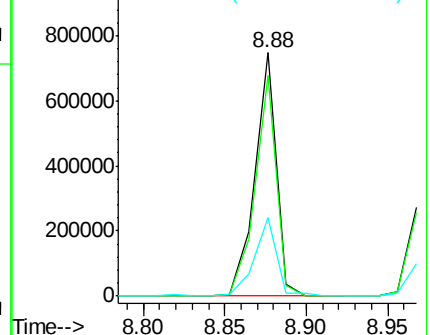
115 32.5 28.3 42.5

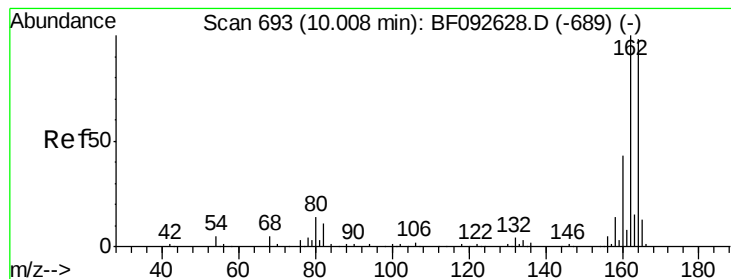


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF092939.D

Acq: 14 Feb 2017 13:04

Instrument :

BNA\_F

ClientSampleId :

MW-2-021017

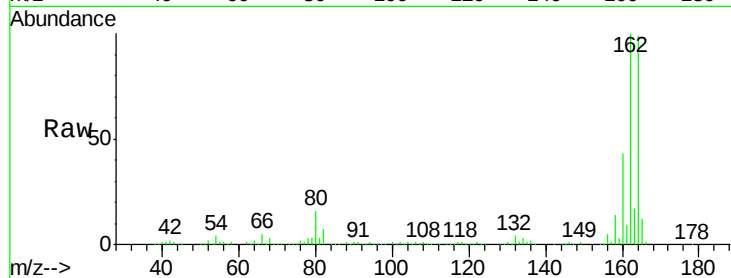
Tgt Ion:164 Resp: 328317

Ion Ratio Lower Upper

164 100

162 101.2 80.2 120.2

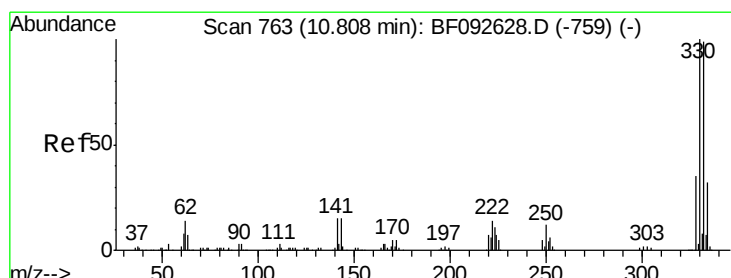
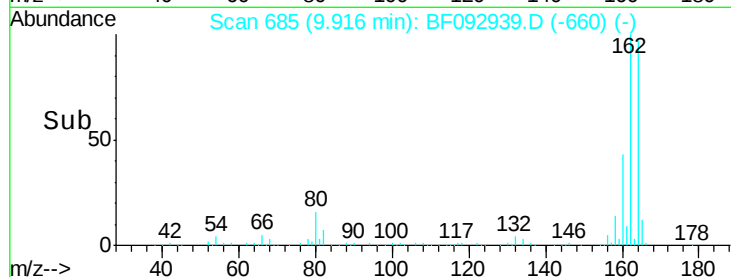
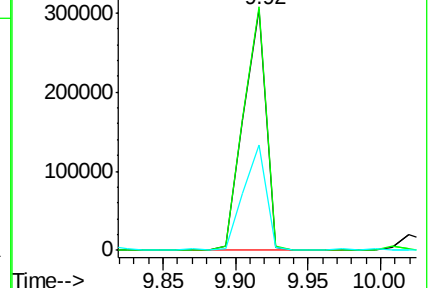
160 43.6 36.9 55.3



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: 133.69 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.01 min

Lab File: BF092939.D

Acq: 14 Feb 2017 13:04

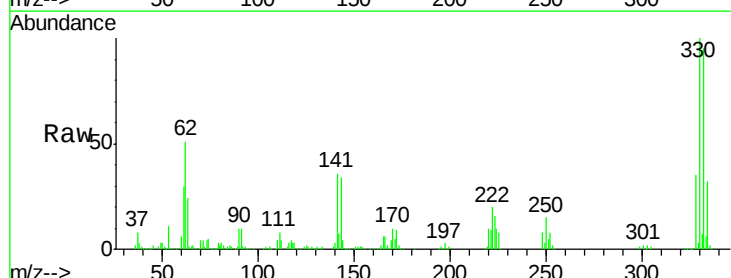
Tgt Ion:330 Resp: 317459

Ion Ratio Lower Upper

330 100

332 95.5 77.4 116.2

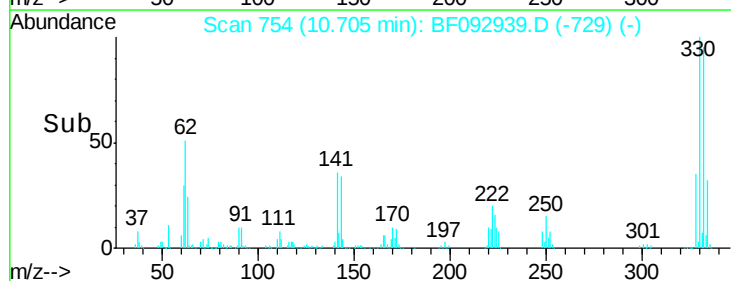
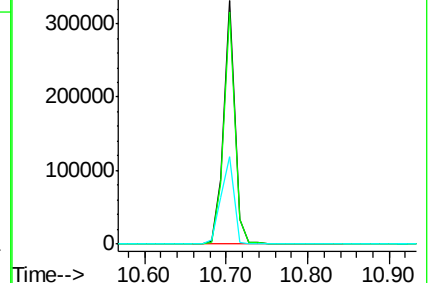
141 41.8 34.1 51.1

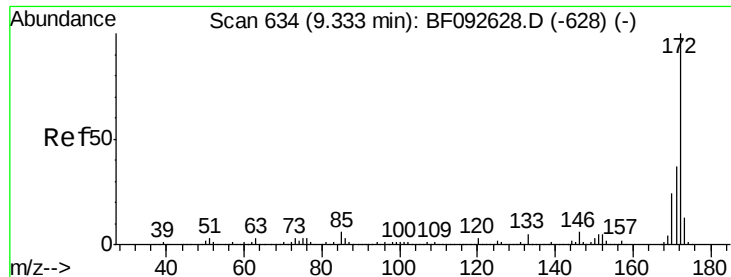


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

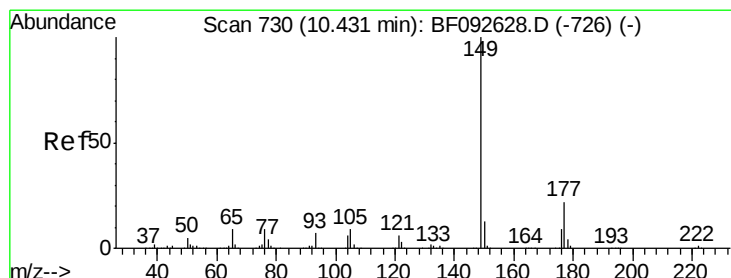
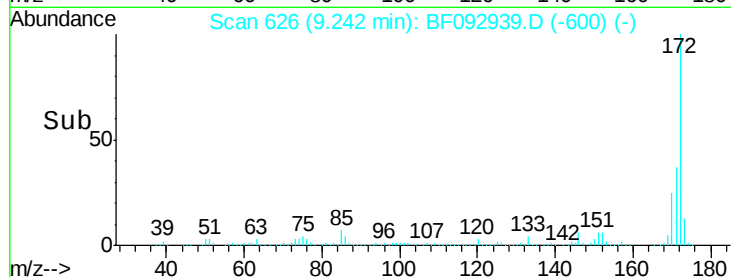
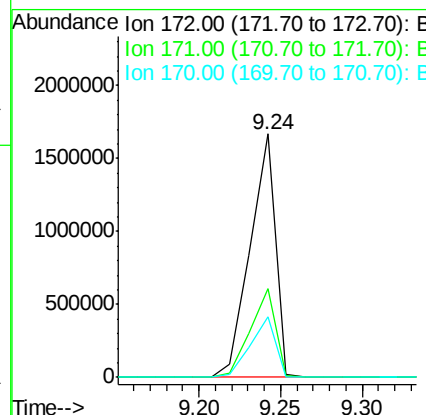
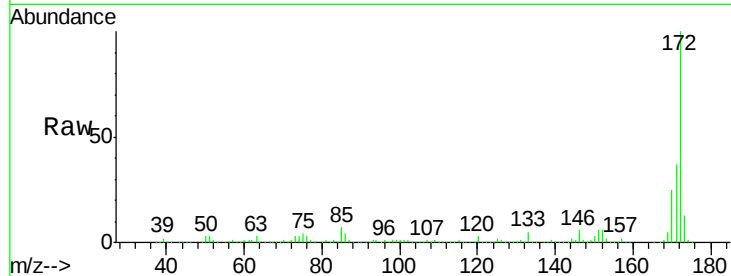




#44  
 2-Fluorobiphenyl  
 Concen: 99.15 ng  
 RT: 9.24 min Scan# 626  
 Delta R.T. 0.00 min  
 Lab File: BF092939.D  
 Acq: 14 Feb 2017 13:04

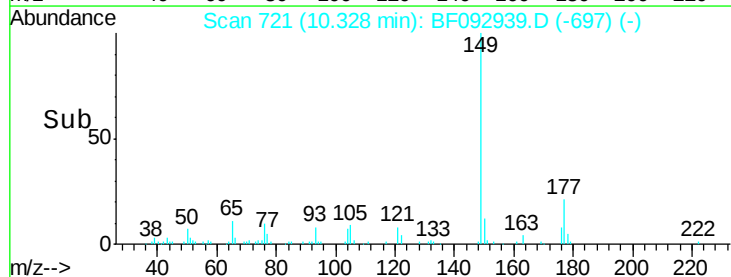
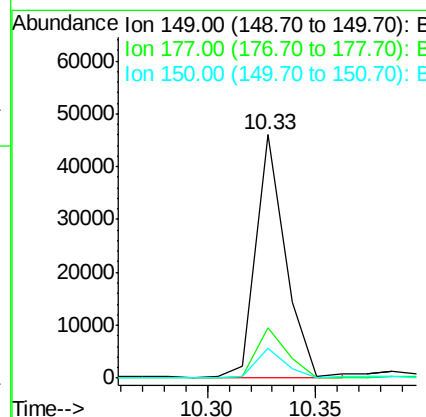
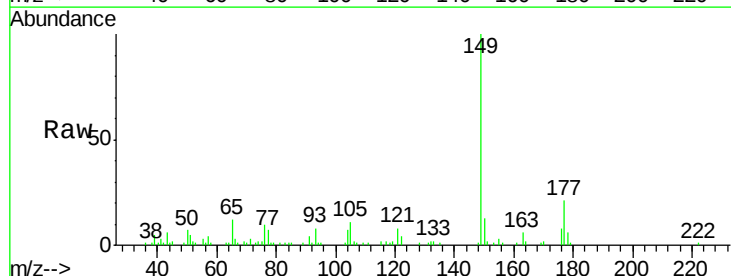
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-2-021017

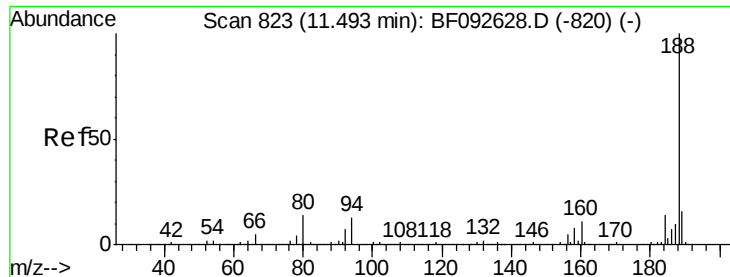
Tgt Ion:172 Resp: 1796837  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 29.4 44.0  
 170 24.6 20.2 30.4



#59  
 Diethylphthalate  
 Concen: 2.11 ng  
 RT: 10.33 min Scan# 721  
 Delta R.T. -0.02 min  
 Lab File: BF092939.D  
 Acq: 14 Feb 2017 13:04

Tgt Ion:149 Resp: 44039  
 Ion Ratio Lower Upper  
 149 100  
 177 20.6 16.6 25.0  
 150 12.5 10.4 15.6

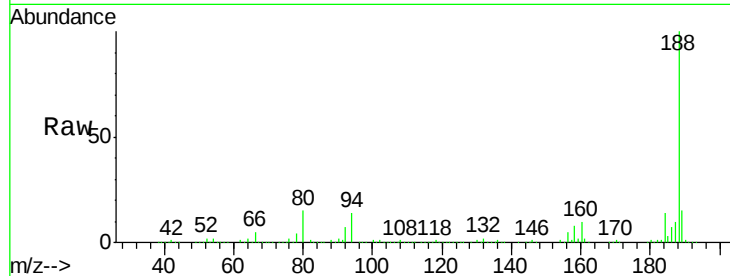




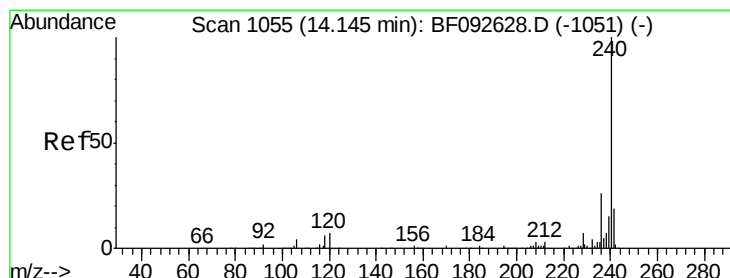
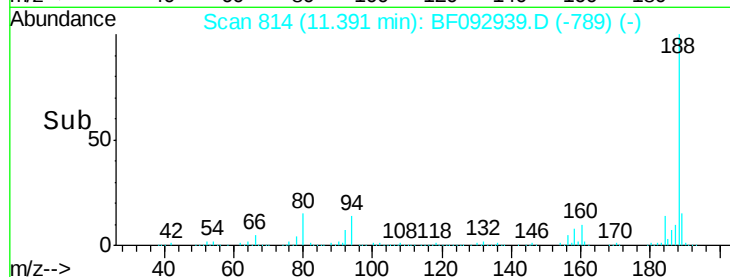
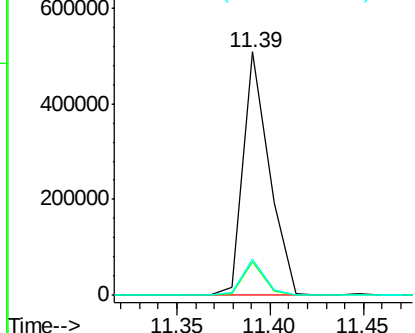
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.39 min Scan# 814  
Delta R.T. -0.01 min  
Lab File: BF092939.D  
Acq: 14 Feb 2017 13:04

Instrument :  
BNA\_F  
ClientSampleId :  
MW-2-021017

Tgt Ion:188 Resp: 495524  
Ion Ratio Lower Upper  
188 100  
94 13.7 10.0 15.0  
80 14.7 11.2 16.8

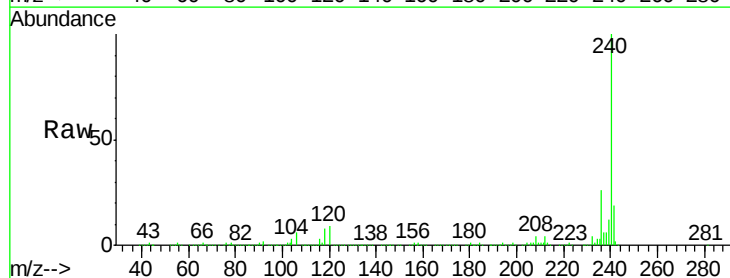


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

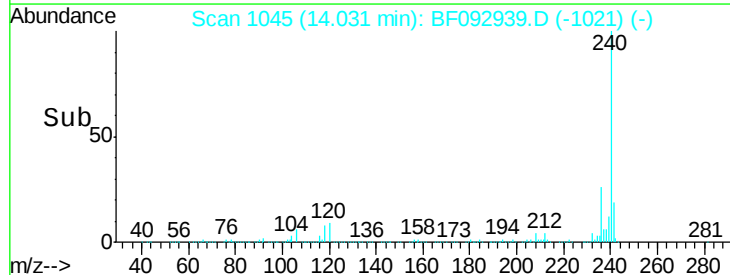
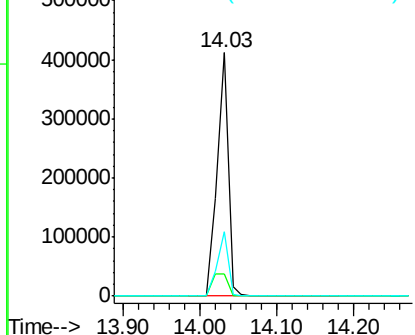


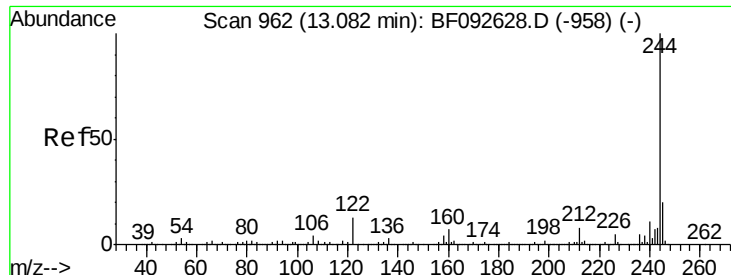
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.03 min Scan# 1045  
Delta R.T. -0.02 min  
Lab File: BF092939.D  
Acq: 14 Feb 2017 13:04

Tgt Ion:240 Resp: 414201  
Ion Ratio Lower Upper  
240 100  
120 9.0 12.9 19.3#  
236 26.3 20.9 31.3



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

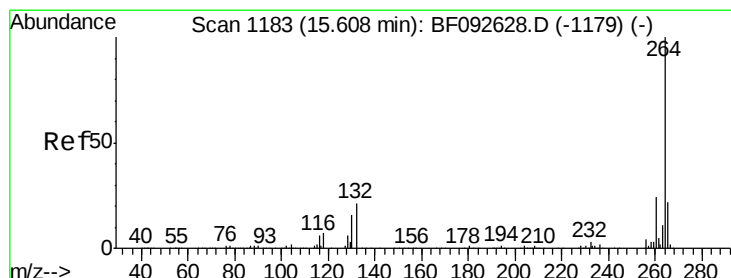
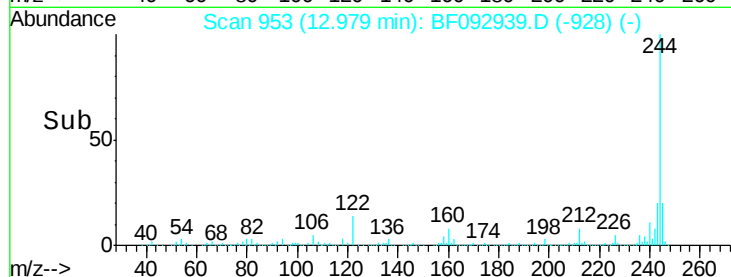
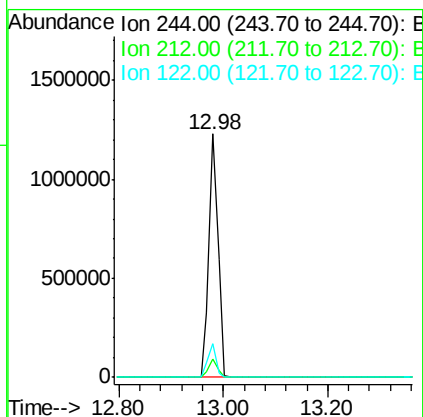
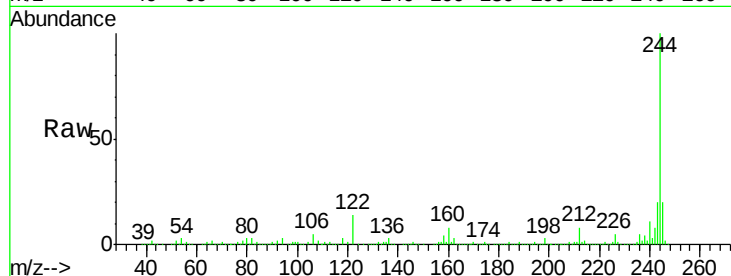




#78  
 Terphenyl-d14  
 Concen: 84.89 ng  
 RT: 12.98 min Scan# 953  
 Delta R.T. -0.01 min  
 Lab File: BF092939.D  
 Acq: 14 Feb 2017 13:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-2-021017

Tgt Ion:244 Resp: 1496442  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.2 9.2  
 122 14.0 11.4 17.2



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.46 min Scan# 1170  
 Delta R.T. -0.02 min  
 Lab File: BF092939.D  
 Acq: 14 Feb 2017 13:04

Tgt Ion:264 Resp: 282046  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.2 28.8  
 265 22.1 17.4 26.0

