

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF060415\  
 Data File : BF079714.D  
 Acq On : 4 Jun 2015 21:01  
 Operator : TP/IZ  
 Sample : G2491-07  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP-0278-150601

Quant Time: Jun 06 03:15:28 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 05 19:33:57 2015  
 Response via : Initial Calibration

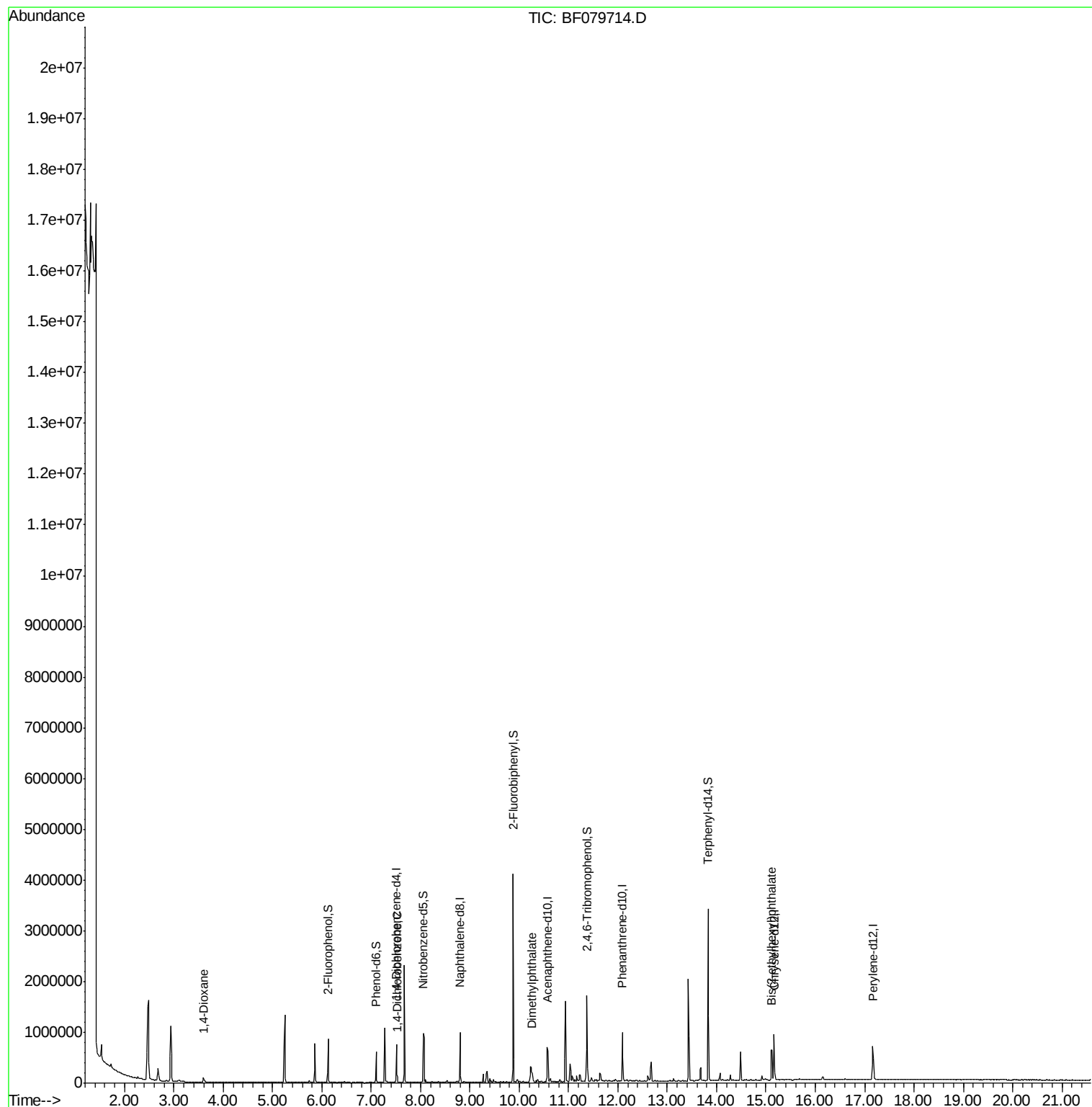
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|-------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.51  | 152  | 102616   | 20.00 | ng    | 0.00      |
| 21) Naphthalene-d8             | 8.80  | 136  | 384648   | 20.00 | ng    | 0.00      |
| 38) Acenaphthene-d10           | 10.57 | 164  | 193038   | 20.00 | ng    | -0.01     |
| 63) Phenanthrene-d10           | 12.09 | 188  | 397561   | 20.00 | ng    | -0.01     |
| 75) Chrysene-d12               | 15.17 | 240  | 419567   | 20.00 | ng    | 0.00      |
| 86) Perylene-d12               | 17.17 | 264  | 395450   | 20.00 | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |       |       |           |
| 5) 2-Fluorophenol              | 6.12  | 112  | 214530   | 35.85 | ng    | 0.00      |
| 7) Phenol-d6                   | 7.10  | 99   | 178901   | 22.96 | ng    | 0.00      |
| 23) Nitrobenzene-d5            | 8.06  | 82   | 442344   | 70.02 | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol       | 11.37 | 330  | 168935   | 97.45 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl           | 9.87  | 172  | 1040513  | 78.04 | ng    | 0.00      |
| 78) Terphenyl-d14              | 13.83 | 244  | 1212674  | 68.09 | ng    | 0.00      |
| Target Compounds               |       |      |          |       |       |           |
| 2) 1,4-Dioxane                 | 3.60  | 88   | 47223    | 17.47 | ng    | Qvalue 93 |
| 13) 1,4-Dichlorobenzene        | 7.53  | 146  | 33439    | 4.01  | ng    | 97        |
| 49) Dimethylphthalate          | 10.26 | 163  | 37599    | 2.53  | ng    | # 98      |
| 83) Bis(2-ethylhexyl)phthalate | 15.12 | 149  | 261319   | 16.57 | ng    | # 98      |

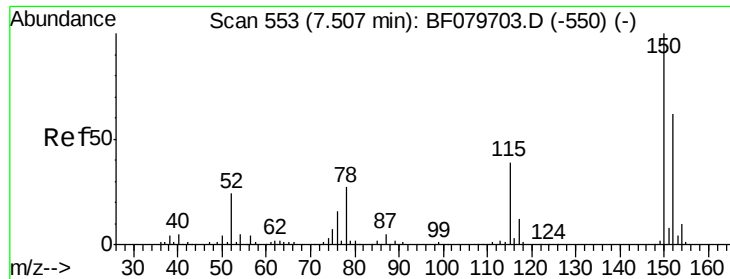
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF060415\  
Data File : BF079714.D  
Acq On : 4 Jun 2015 21:01  
Operator : TP/IZ  
Sample : G2491-07  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
DUP-0278-150601

Quant Time: Jun 06 03:15:28 2015  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060415.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jun 05 19:33:57 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.51 min Scan# 553

Delta R.T. -0.00 min

Lab File: BF079714.D

Acq: 4 Jun 2015 21:01

Instrument :

BNA\_F

ClientSampleId :

DUP-0278-150601

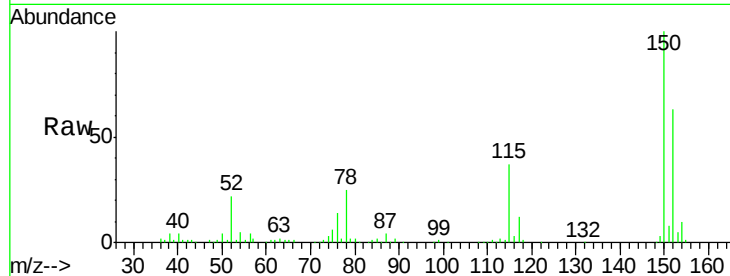
Tgt Ion:152 Resp: 102616

Ion Ratio Lower Upper

152 100

150 158.1 128.1 192.1

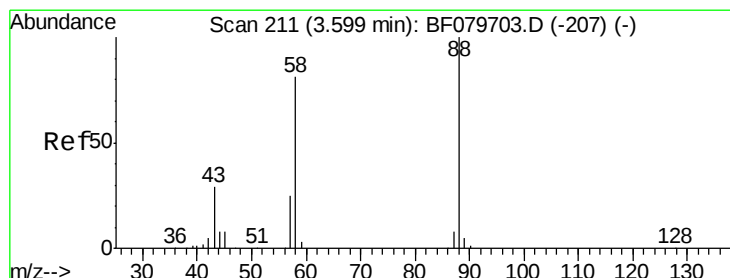
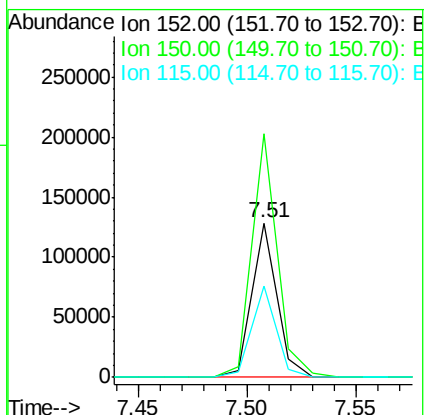
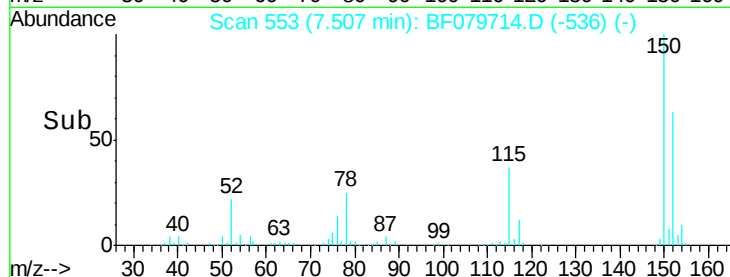
115 59.1 49.7 74.5



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



#2

1,4-Dioxane

Concen: 17.47 ng

RT: 3.60 min Scan# 211

Delta R.T. -0.00 min

Lab File: BF079714.D

Acq: 4 Jun 2015 21:01

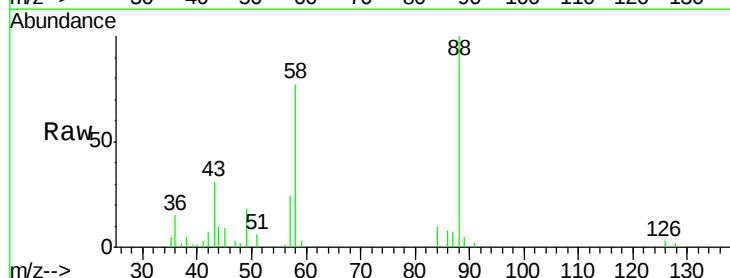
Tgt Ion: 88 Resp: 47223

Ion Ratio Lower Upper

88 100

58 72.9 64.2 96.4

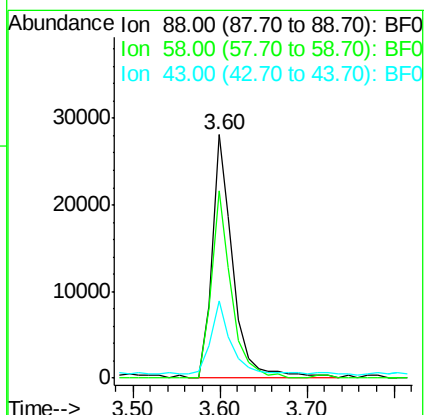
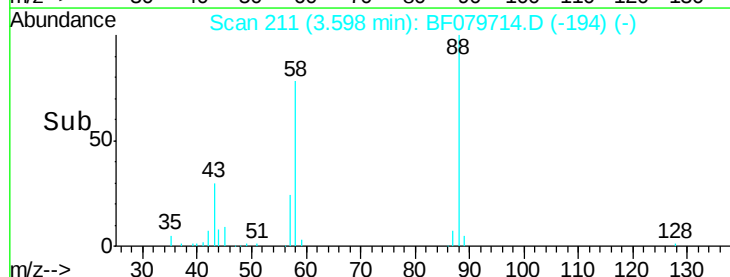
43 29.4 25.1 37.7

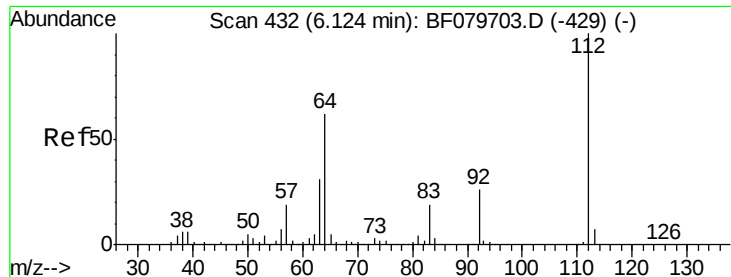


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 35.85 ng

RT: 6.12 min Scan# 432

Delta R.T. 0.00 min

Lab File: BF079714.D

Acq: 4 Jun 2015 21:01

Instrument :

BNA\_F

ClientSampleId :

DUP-0278-150601

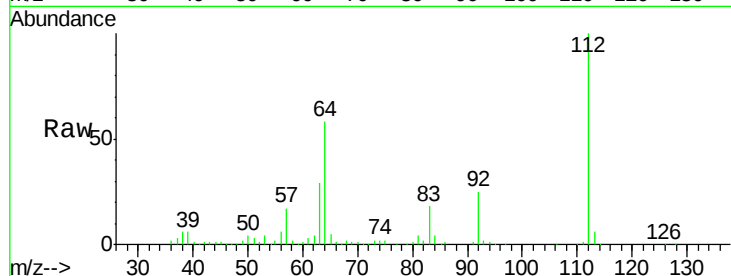
Tgt Ion: 112 Resp: 214530

Ion Ratio Lower Upper

112 100

64 58.0 49.6 74.4

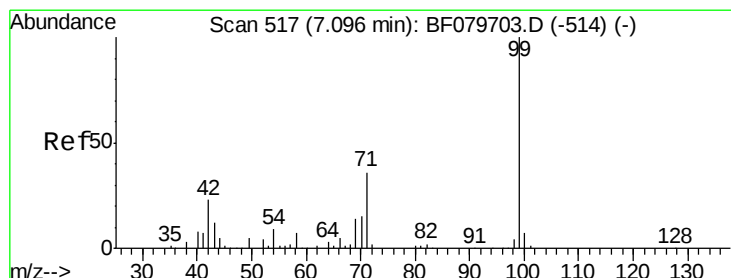
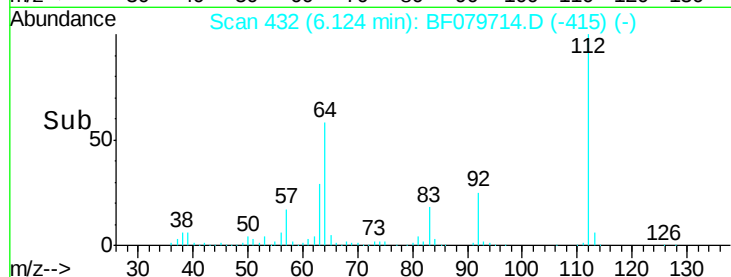
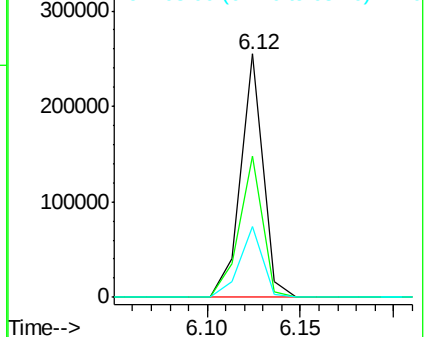
63 29.1 24.9 37.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#7

Phenol-d6

Concen: 22.96 ng

RT: 7.10 min Scan# 517

Delta R.T. -0.00 min

Lab File: BF079714.D

Acq: 4 Jun 2015 21:01

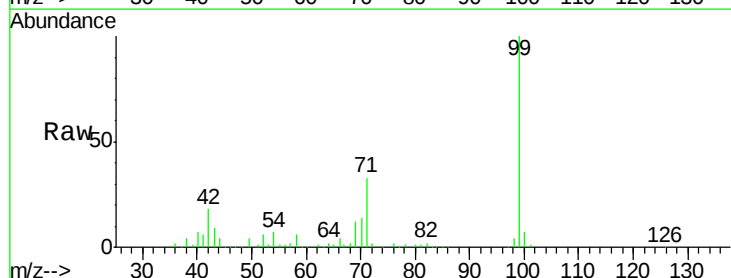
Tgt Ion: 99 Resp: 178901

Ion Ratio Lower Upper

99 100

42 18.3 18.0 27.0

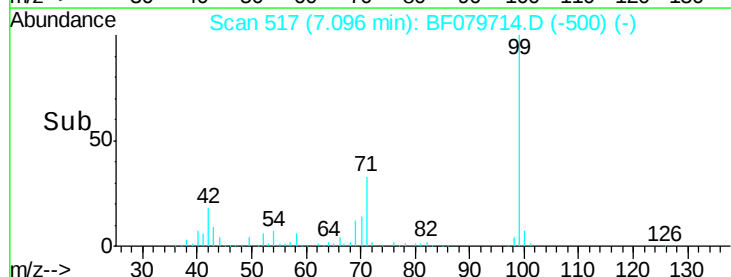
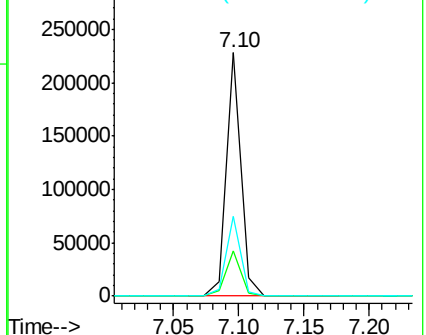
71 32.7 28.4 42.6

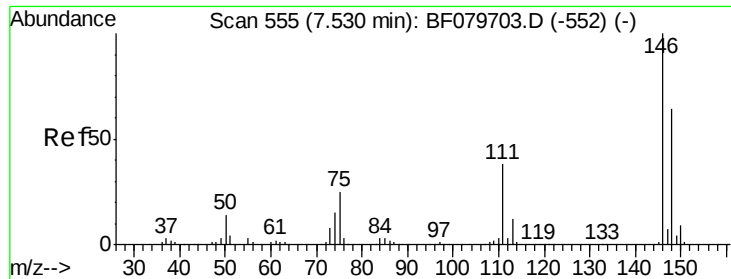


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

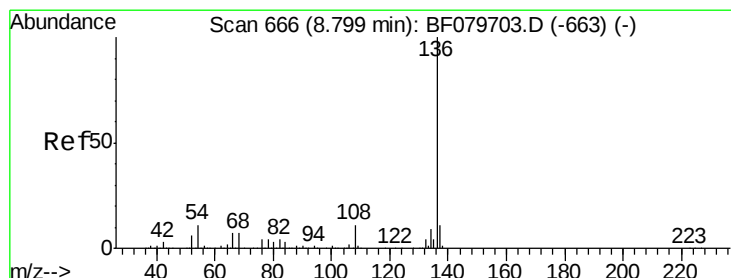
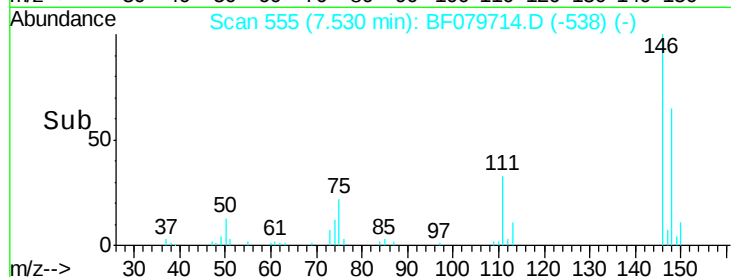
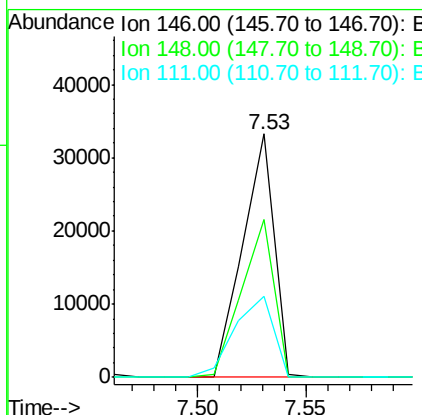
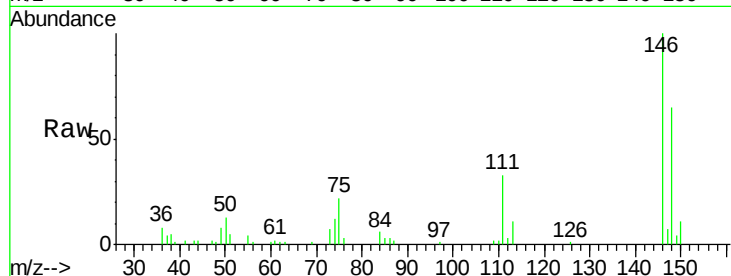




#13  
 1,4-Dichlorobenzene  
 Concen: 4.01 ng  
 RT: 7.53 min Scan# 555  
 Delta R.T. -0.00 min  
 Lab File: BF079714.D  
 Acq: 4 Jun 2015 21:01

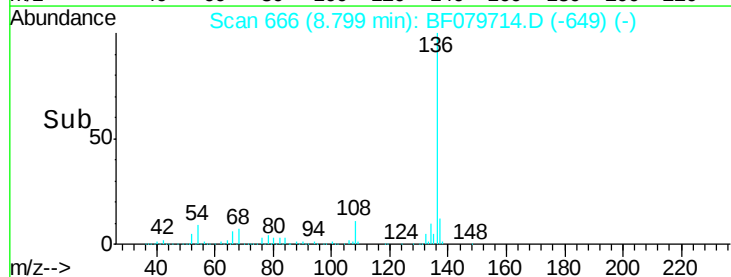
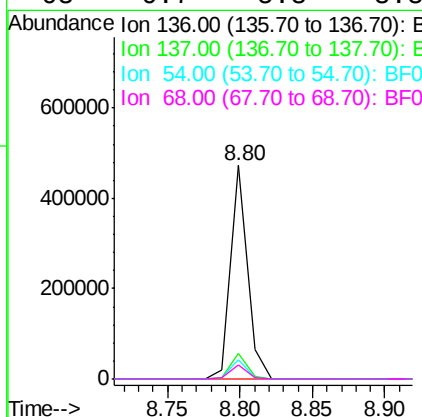
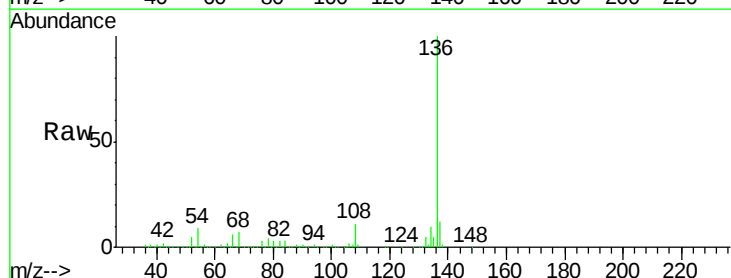
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP-0278-150601

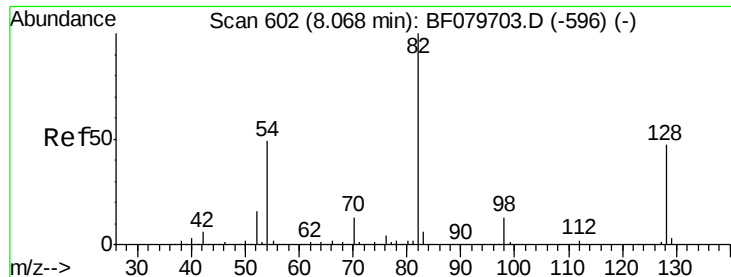
Tgt Ion:146 Resp: 33439  
 Ion Ratio Lower Upper  
 146 100  
 148 64.7 51.4 77.0  
 111 33.3 30.1 45.1



#21  
 Naphthalene-d8  
 Concen: 20.00 ng  
 RT: 8.80 min Scan# 666  
 Delta R.T. -0.00 min  
 Lab File: BF079714.D  
 Acq: 4 Jun 2015 21:01

Tgt Ion:136 Resp: 384648  
 Ion Ratio Lower Upper  
 136 100  
 137 11.8 8.8 13.2  
 54 9.1 8.7 13.1  
 68 6.7 5.8 8.8

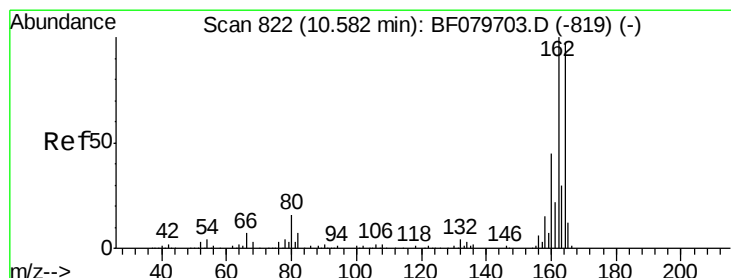
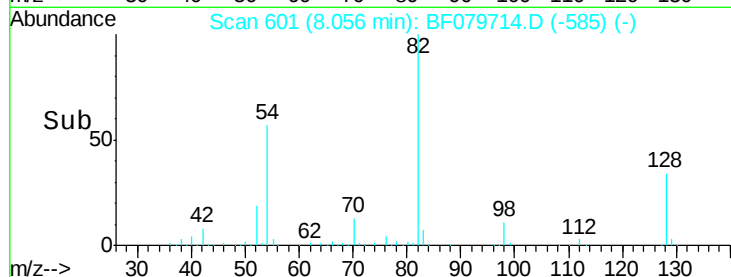
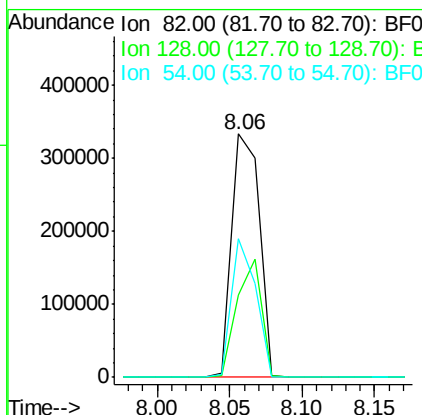
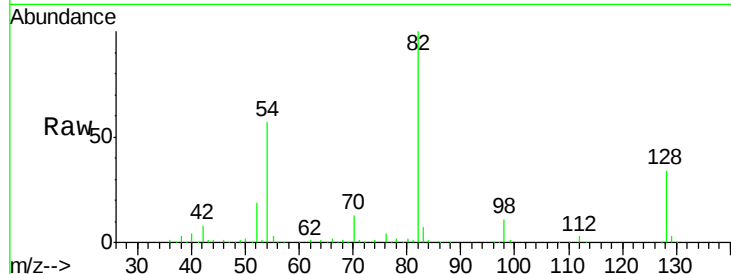




#23  
 Nitrobenzene-d5  
 Concen: 70.02 ng  
 RT: 8.06 min Scan# 601  
 Delta R.T. -0.01 min  
 Lab File: BF079714.D  
 Acq: 4 Jun 2015 21:01

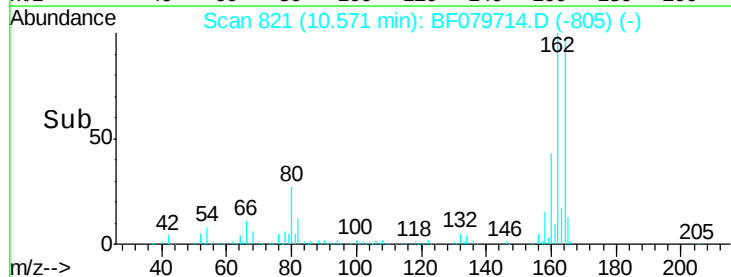
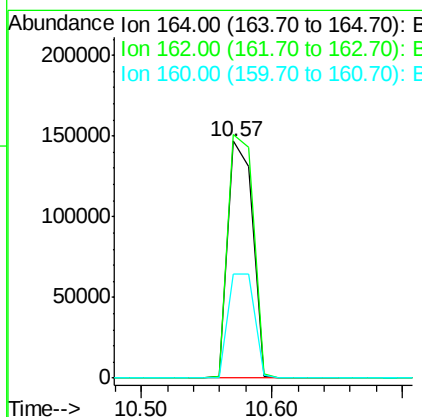
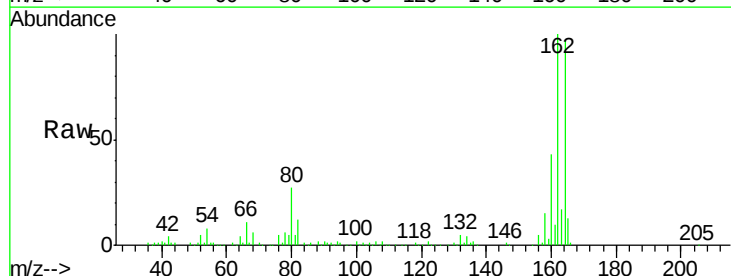
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP-0278-150601

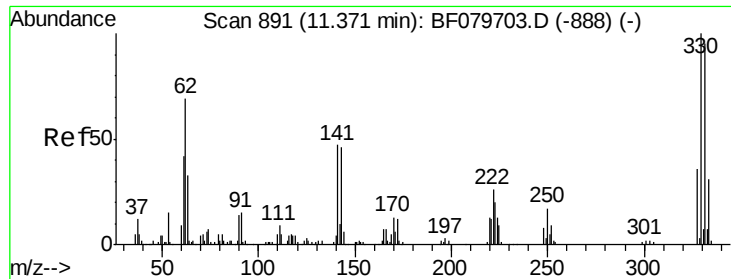
Tgt Ion: 82 Resp: 442344  
 Ion Ratio Lower Upper  
 82 100  
 128 33.8 37.6 56.4#  
 54 56.8 39.4 59.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.57 min Scan# 821  
 Delta R.T. -0.01 min  
 Lab File: BF079714.D  
 Acq: 4 Jun 2015 21:01

Tgt Ion: 164 Resp: 193038  
 Ion Ratio Lower Upper  
 164 100  
 162 102.8 82.6 123.8  
 160 44.0 36.8 55.2

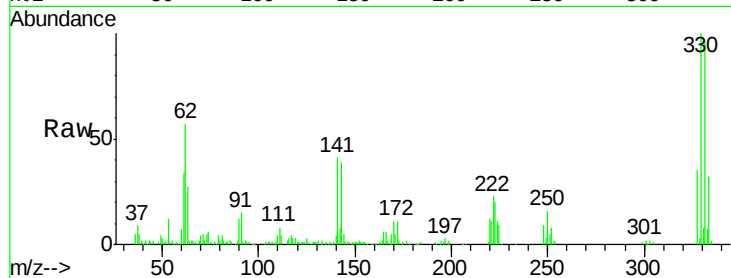




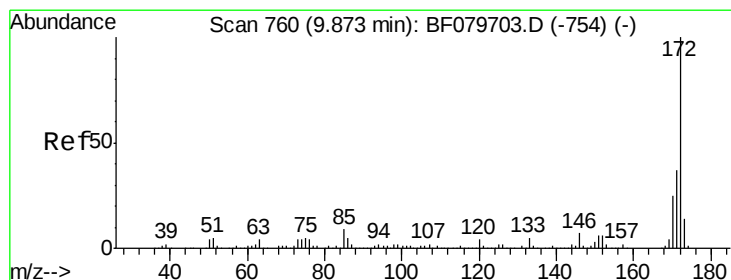
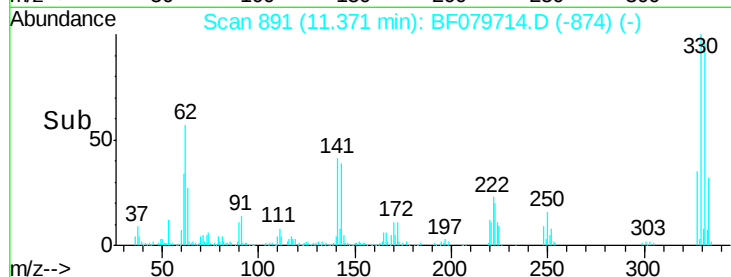
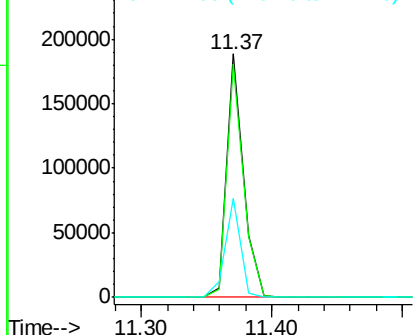
#41  
 2,4,6-Tribromophenol  
 Concen: 97.45 ng  
 RT: 11.37 min Scan# 891  
 Delta R.T. -0.00 min  
 Lab File: BF079714.D  
 Acq: 4 Jun 2015 21:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP-0278-150601

Tgt Ion:330 Resp: 168935  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 77.4 116.0  
 141 37.9 30.2 45.2

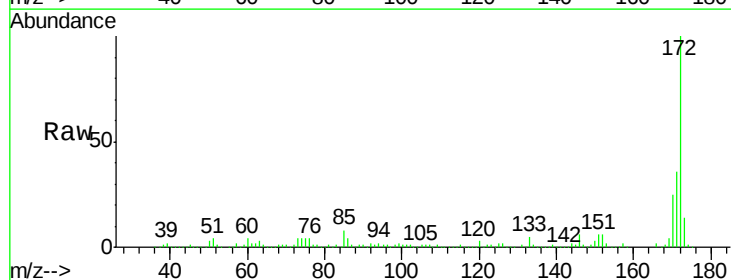


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

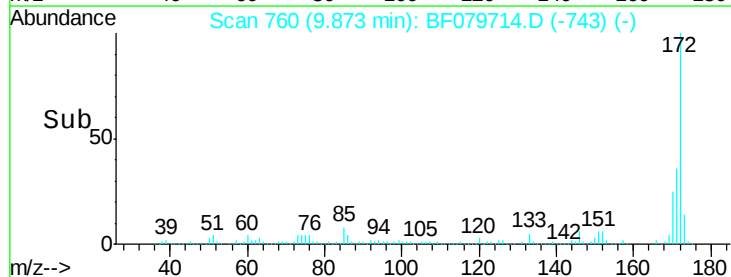
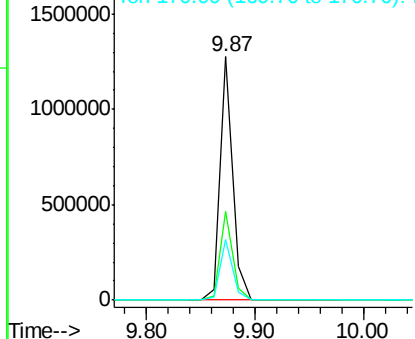


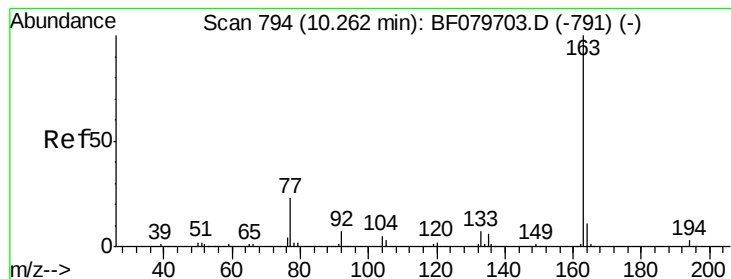
#44  
 2-Fluorobiphenyl  
 Concen: 78.04 ng  
 RT: 9.87 min Scan# 760  
 Delta R.T. -0.00 min  
 Lab File: BF079714.D  
 Acq: 4 Jun 2015 21:01

Tgt Ion:172 Resp: 1040513  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.4 44.0  
 170 24.8 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





#49

Dimethylphthalate

Concen: 2.53 ng

RT: 10.26 min Scan# 794

Delta R.T. -0.00 min

Lab File: BF079714.D

Acq: 4 Jun 2015 21:01

Instrument :

BNA\_F

ClientSampleId :

DUP-0278-150601

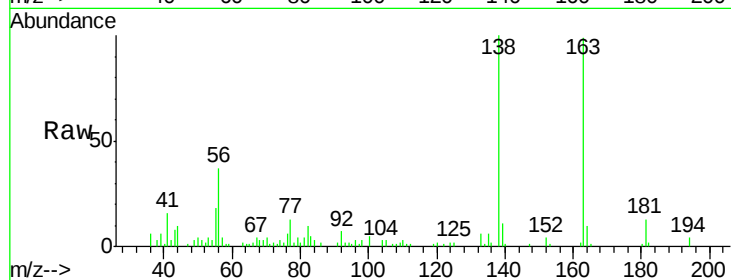
Tgt Ion:163 Resp: 37599

Ion Ratio Lower Upper

163 100

194 4.3 2.6 3.8#

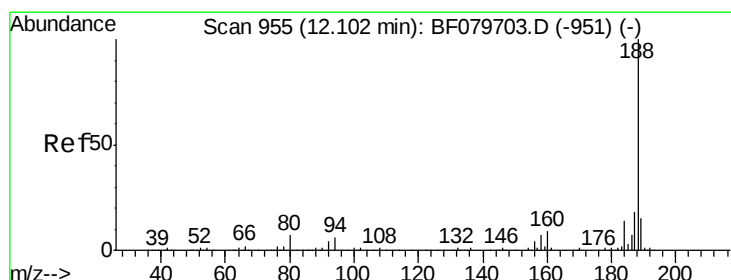
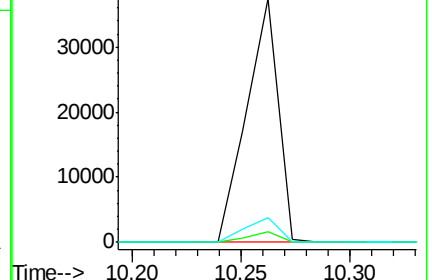
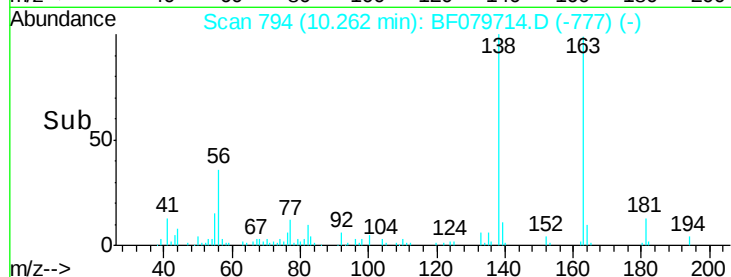
164 10.0 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.09 min Scan# 954

Delta R.T. -0.01 min

Lab File: BF079714.D

Acq: 4 Jun 2015 21:01

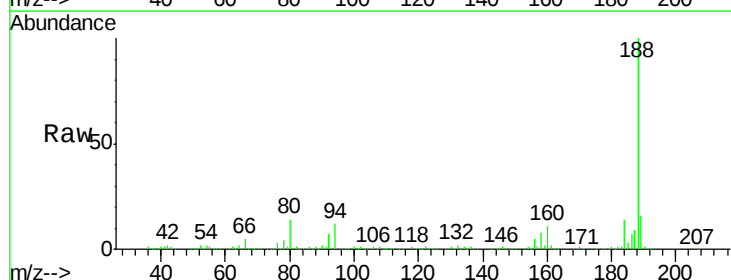
Tgt Ion:188 Resp: 397561

Ion Ratio Lower Upper

188 100

94 12.2 5.0 7.4#

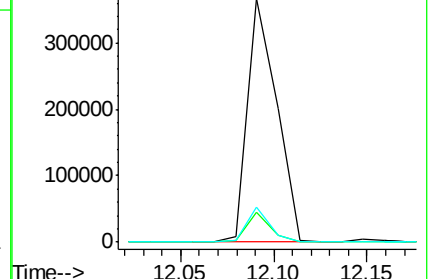
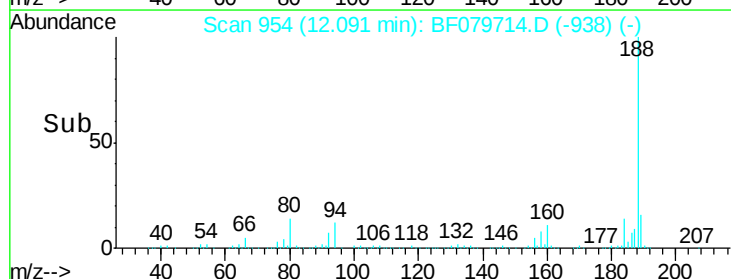
80 14.2 5.3 7.9#

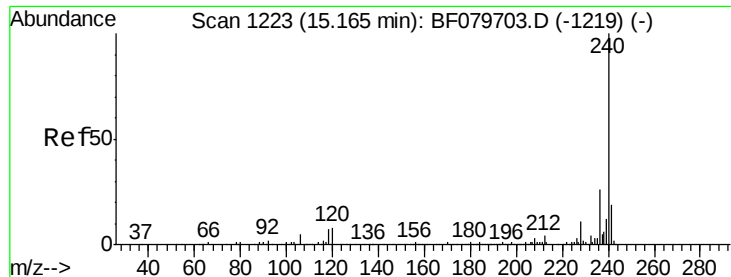


Abundance Ion 188.00 (187.70 to 188.70): E

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: 15.17 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BF079714.D

Acq: 4 Jun 2015 21:01

Instrument :

BNA\_F

ClientSampleId :

DUP-0278-150601

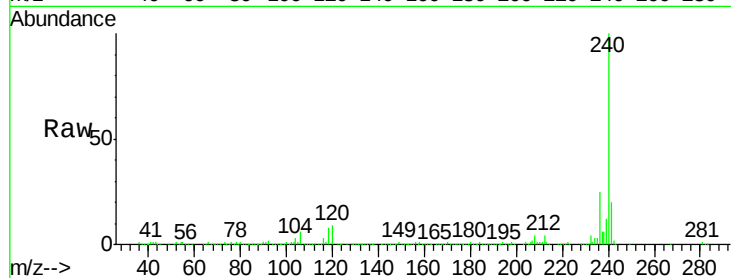
Tgt Ion:240 Resp: 419567

Ion Ratio Lower Upper

240 100

120 8.6 6.2 9.2

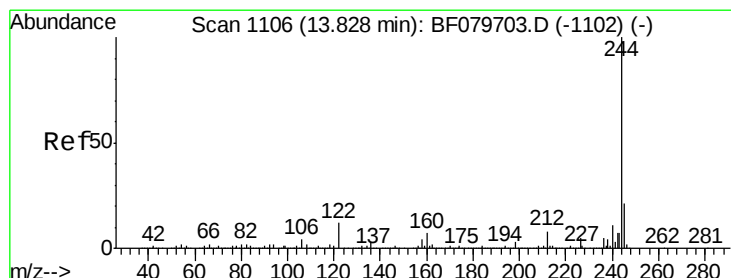
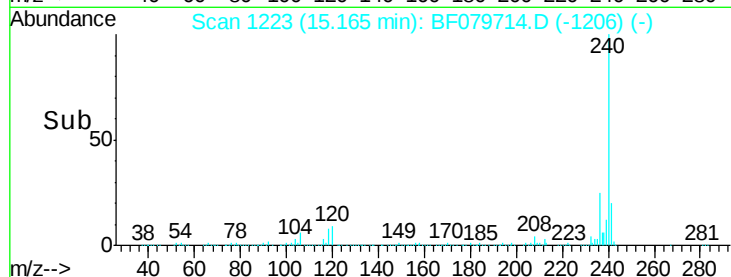
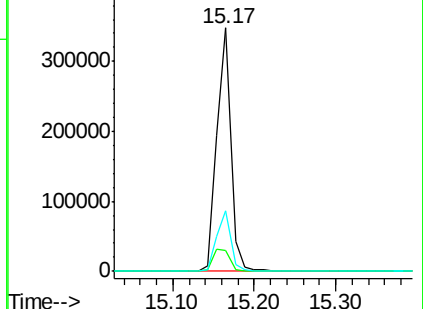
236 25.0 21.0 31.4



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: 68.09 ng

RT: 13.83 min Scan# 1106

Delta R.T. -0.00 min

Lab File: BF079714.D

Acq: 4 Jun 2015 21:01

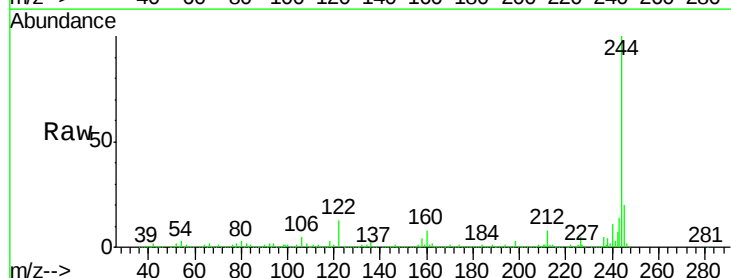
Tgt Ion:244 Resp: 1212674

Ion Ratio Lower Upper

244 100

212 7.6 6.1 9.1

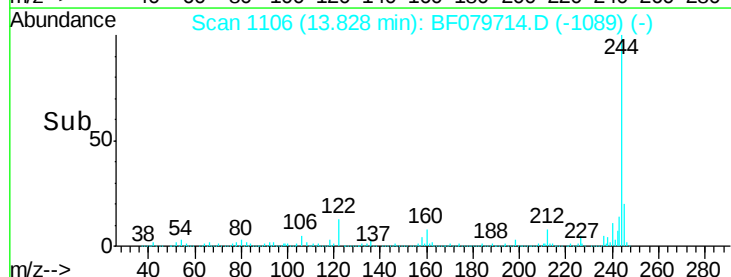
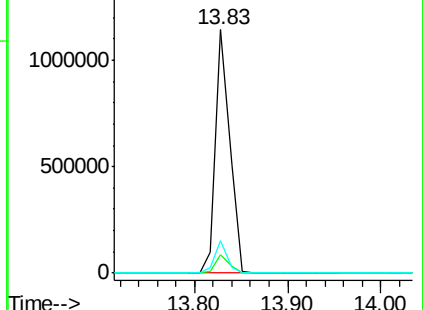
122 13.1 9.3 13.9

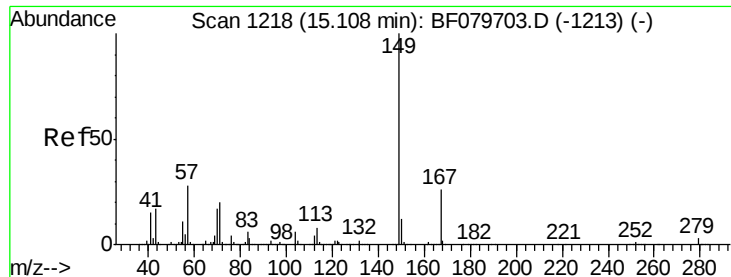


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

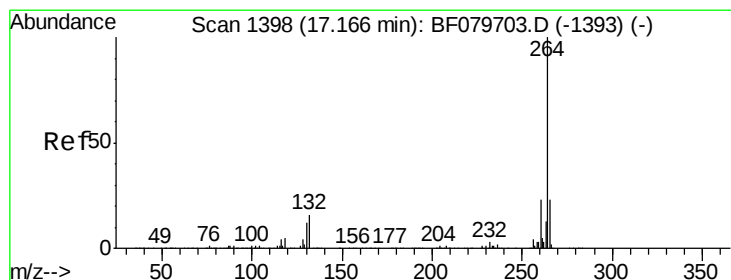
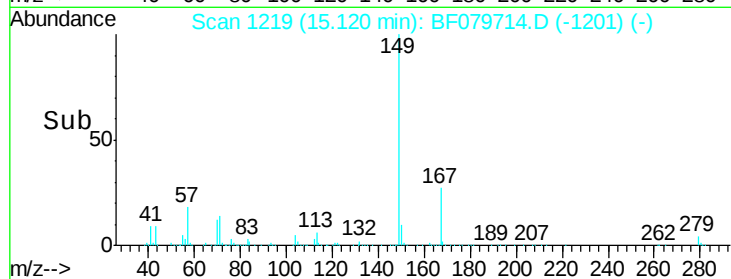
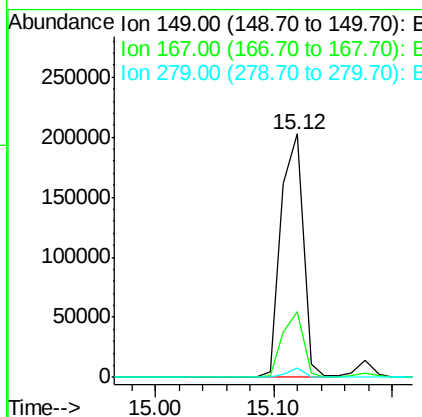
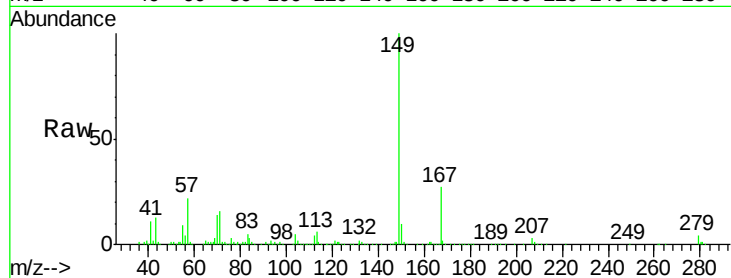




#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 16.57 ng  
 RT: 15.12 min Scan# 1219  
 Delta R.T. 0.01 min  
 Lab File: BF079714.D  
 Acq: 4 Jun 2015 21:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DUP-0278-150601

Tgt Ion:149 Resp: 261319  
 Ion Ratio Lower Upper  
 149 100  
 167 26.9 20.9 31.3  
 279 4.1 2.2 3.2#



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.17 min Scan# 1398  
 Delta R.T. -0.00 min  
 Lab File: BF079714.D  
 Acq: 4 Jun 2015 21:01

Tgt Ion:264 Resp: 395450  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 18.6 27.8  
 265 21.6 18.2 27.4

