

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF031817\  
 Data File : BF093749.D  
 Acq On : 18 Mar 2017 13:06  
 Operator : SJ/MA  
 Sample : I2263-08  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-102I

Quant Time: Mar 20 01:44:16 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF031817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Mar 18 05:21:29 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.85  | 152  | 204466   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.13  | 136  | 763619   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 9.88  | 164  | 359308   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.36 | 188  | 698567   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.99 | 240  | 588758   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.41 | 264  | 442370   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.44  | 112  | 715757   | 58.36  | ng    | 0.00     |
| 7) Phenol-d6                | 6.47  | 99   | 658592   | 43.33  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.41  | 82   | 1202459  | 94.51  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.66 | 330  | 419807   | 178.52 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.21  | 172  | 2178997  | 114.44 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.95 | 244  | 1663522  | 60.82  | ng    | 0.00     |

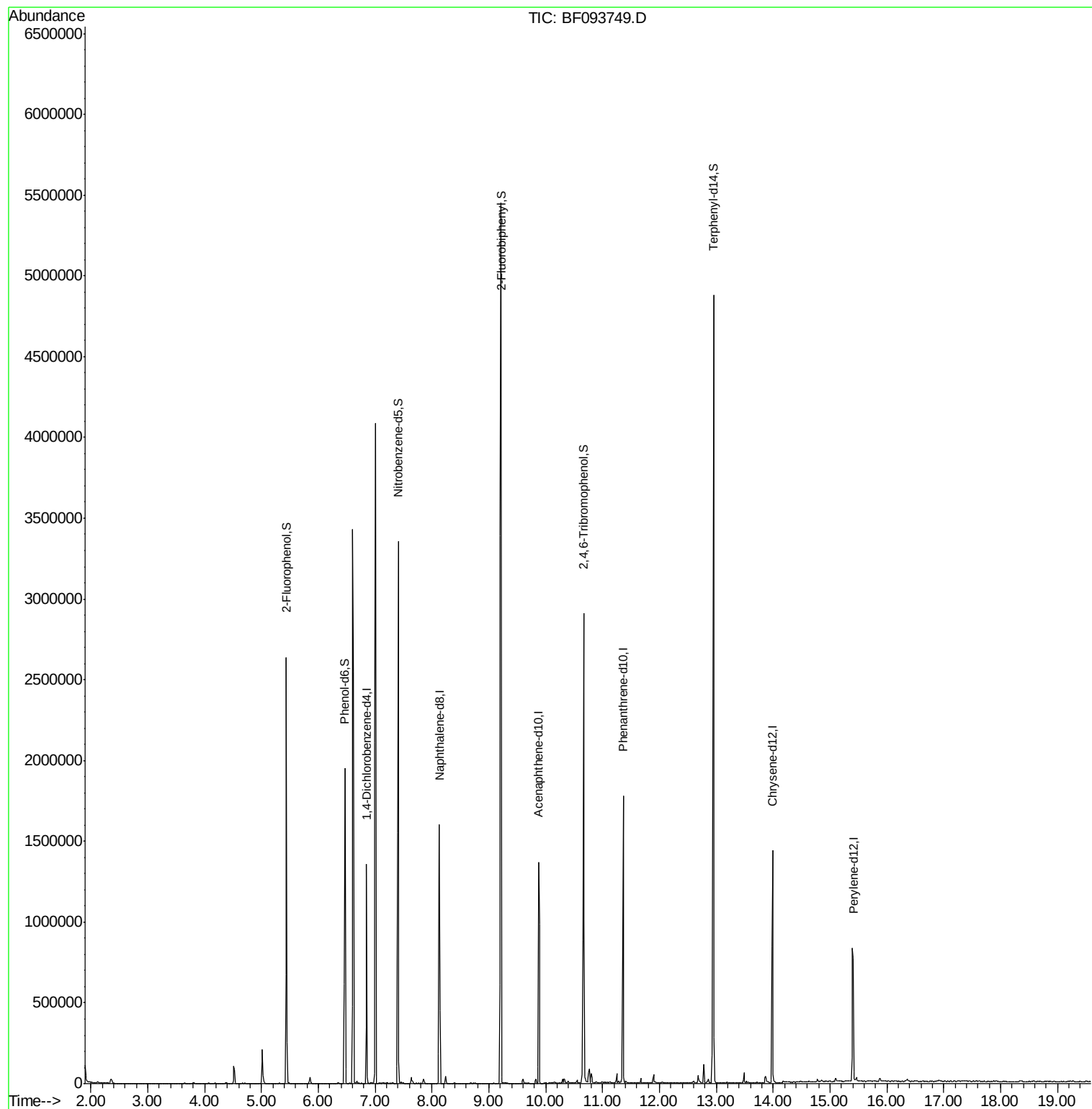
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

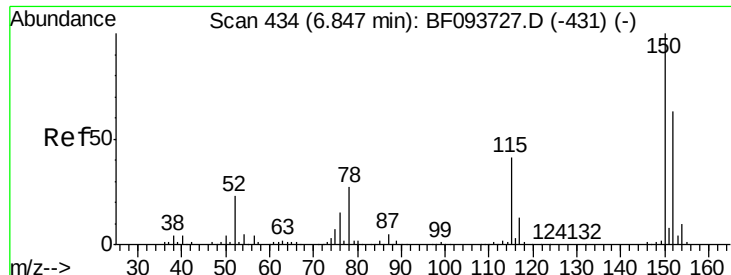
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Mar 18 05:21:29 2017  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 434

Delta R.T. 0.00 min

Lab File: BF093749.D

Acq: 18 Mar 2017 13:06

Instrument :

BNA\_F

ClientSampleId :

MW-102I

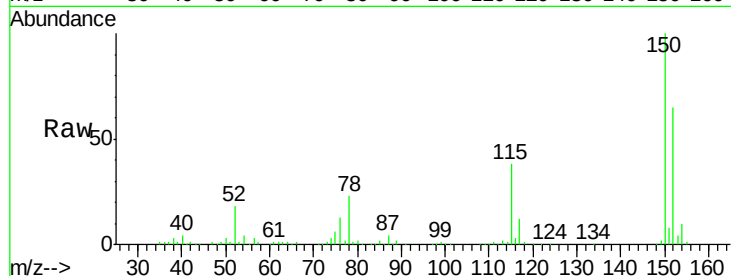
Tgt Ion:152 Resp: 204466

Ion Ratio Lower Upper

152 100

150 154.6 126.2 189.2

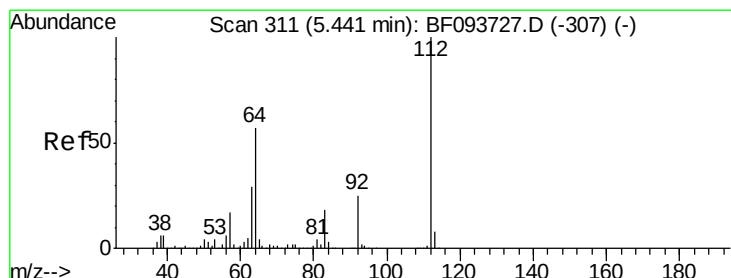
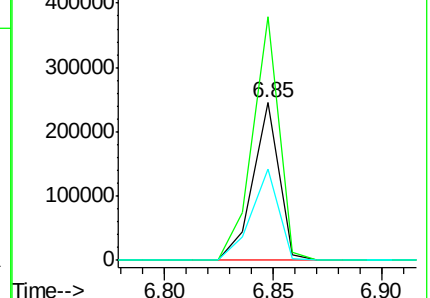
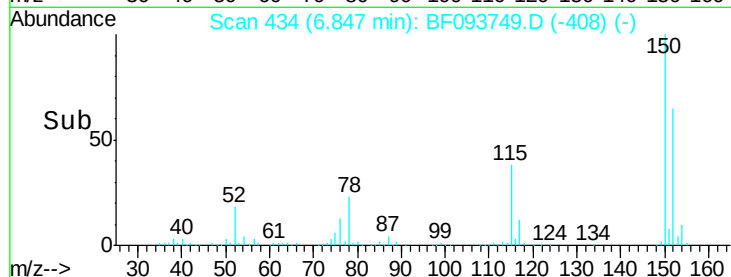
115 58.3 52.2 78.2



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: 58.36 ng

RT: 5.44 min Scan# 311

Delta R.T. 0.00 min

Lab File: BF093749.D

Acq: 18 Mar 2017 13:06

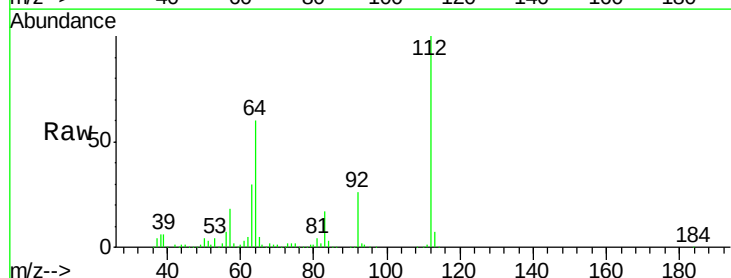
Tgt Ion:112 Resp: 715757

Ion Ratio Lower Upper

112 100

64 59.8 46.0 69.0

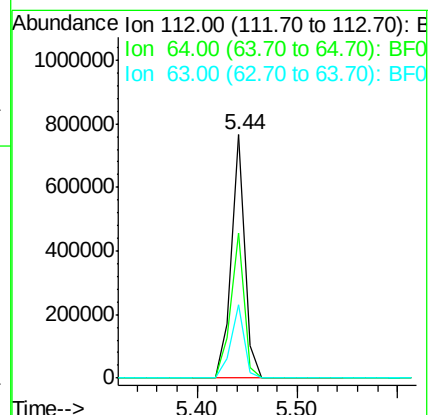
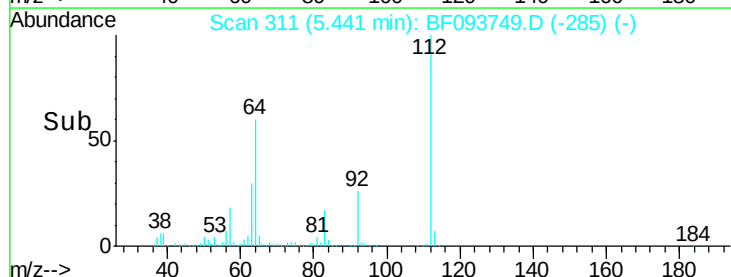
63 29.9 23.4 35.0

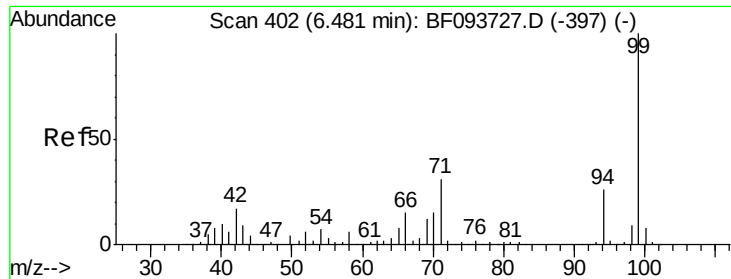


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 43.33 ng

RT: 6.47 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF093749.D

Acq: 18 Mar 2017 13:06

Instrument :

BNA\_F

ClientSampleId :

MW-102I

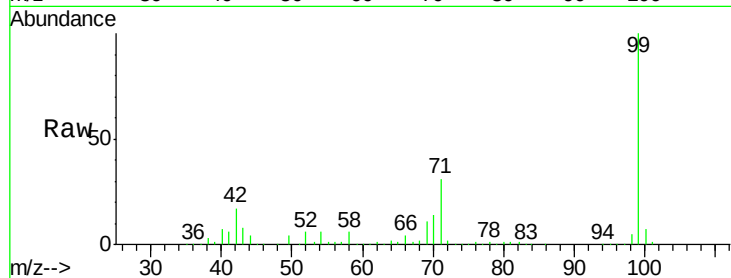
Tgt Ion: 99 Resp: 658592

Ion Ratio Lower Upper

99 100

42 16.6 13.5 20.3

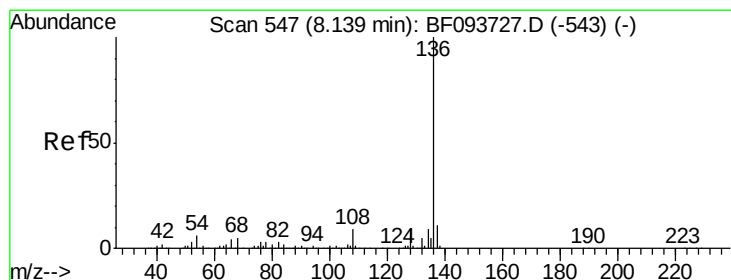
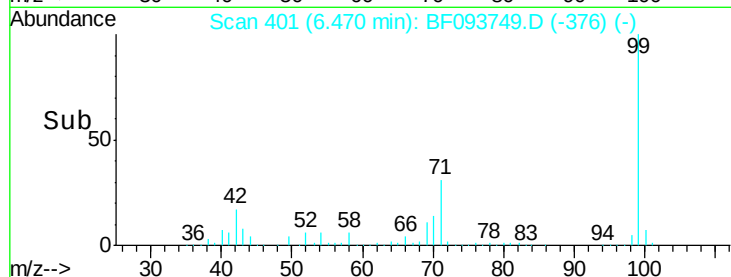
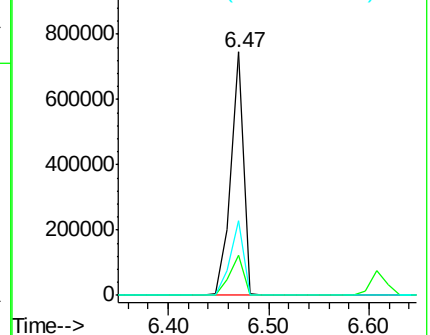
71 30.7 24.5 36.7



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: 8.13 min Scan# 546

Delta R.T. -0.01 min

Lab File: BF093749.D

Acq: 18 Mar 2017 13:06

Tgt Ion: 136 Resp: 763619

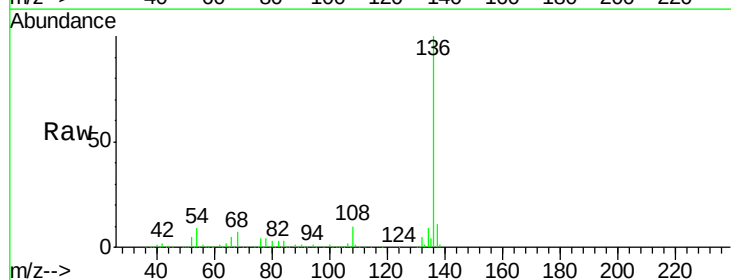
Ion Ratio Lower Upper

136 100

137 11.3 8.5 12.7

54 9.3 4.9 7.3#

68 6.9 4.1 6.1#

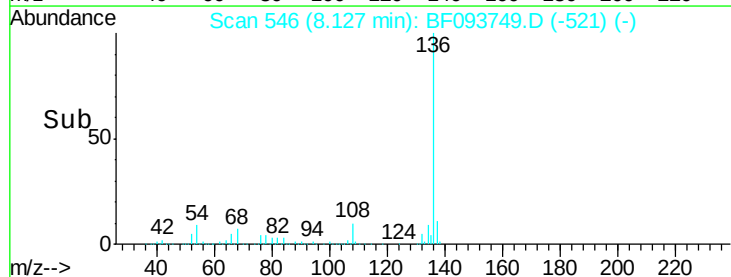
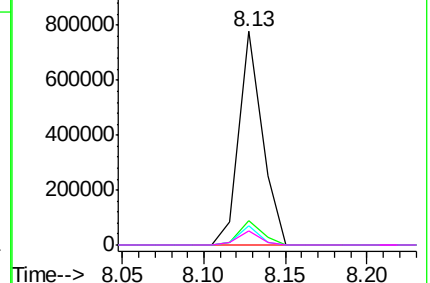


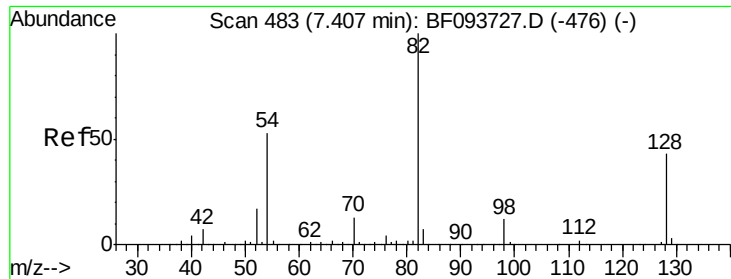
Abundance Ion 136.00 (135.70 to 136.70): E

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

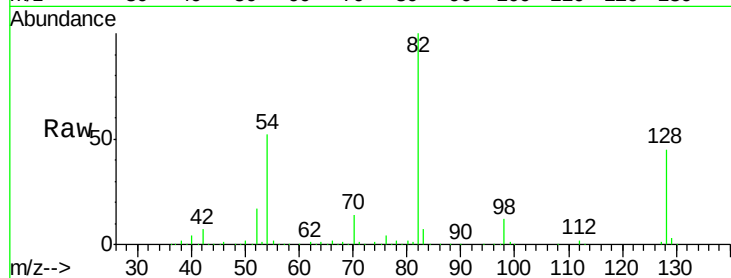




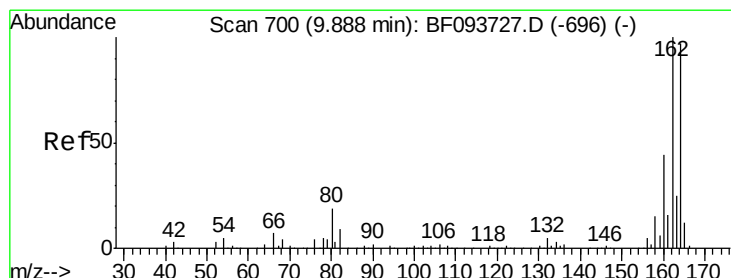
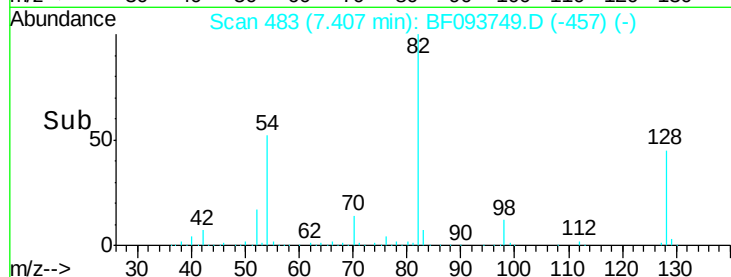
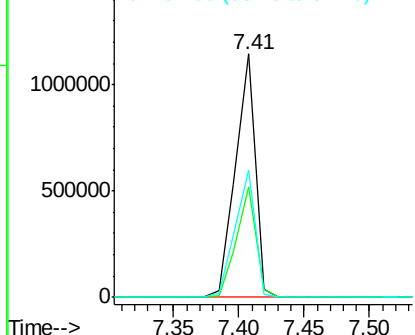
#23  
 Nitrobenzene-d5  
 Concen: 94.51 ng  
 RT: 7.41 min Scan# 483  
 Delta R.T. 0.00 min  
 Lab File: BF093749.D  
 Acq: 18 Mar 2017 13:06

Instrument :  
 BNA\_F  
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 MW-102I

Tgt Ion: 82 Resp: 1202459  
 Ion Ratio Lower Upper  
 82 100  
 128 45.3 34.0 51.0  
 54 52.2 42.2 63.2

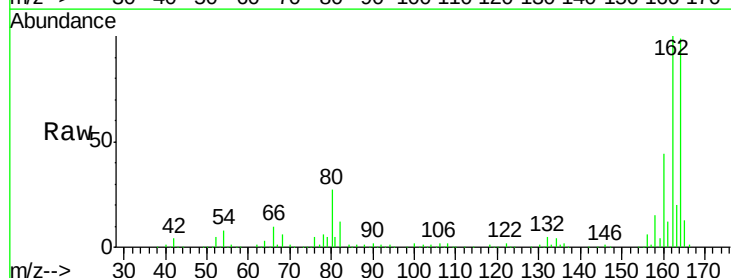


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

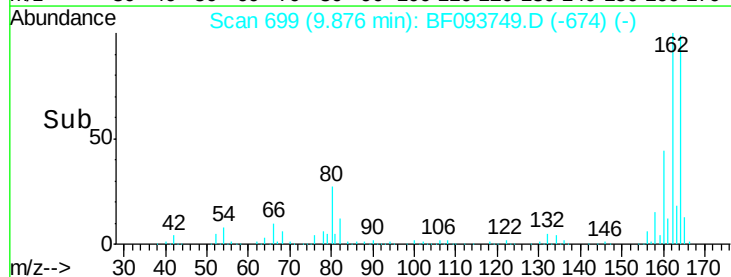
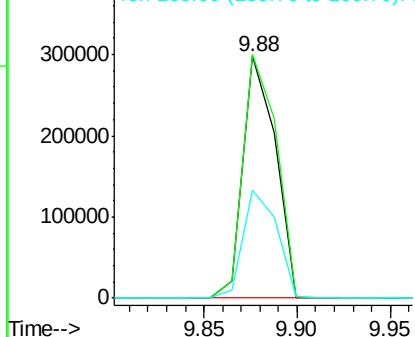


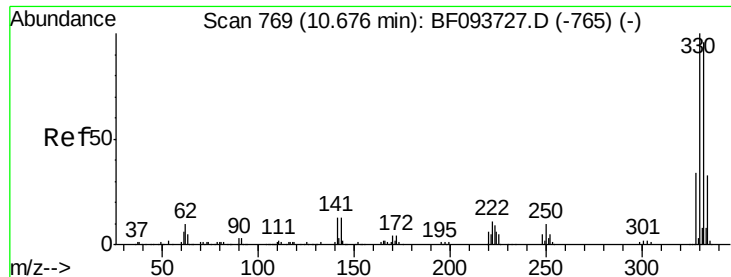
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.88 min Scan# 699  
 Delta R.T. -0.01 min  
 Lab File: BF093749.D  
 Acq: 18 Mar 2017 13:06

Tgt Ion: 164 Resp: 359308  
 Ion Ratio Lower Upper  
 164 100  
 162 100.7 82.6 123.8  
 160 44.8 36.2 54.2



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

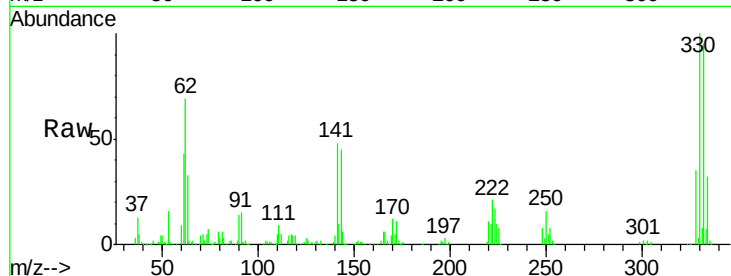




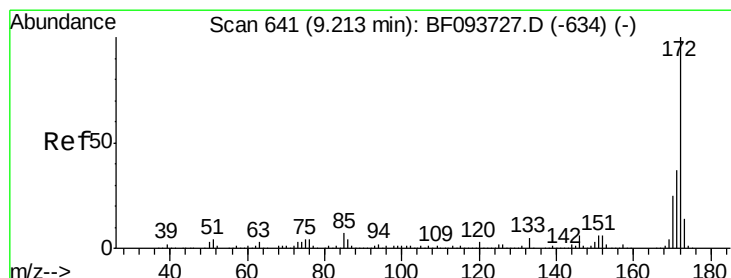
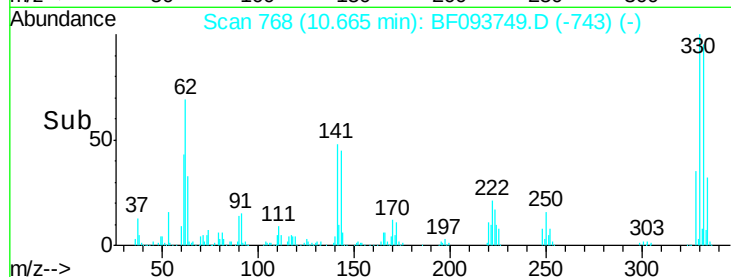
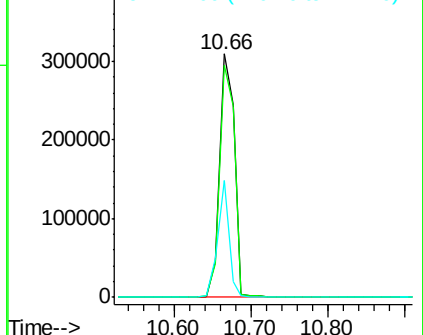
#41  
 2,4,6-Tribromophenol  
 Concen: 178.52 ng  
 RT: 10.66 min Scan# 768  
 Delta R.T. -0.01 min  
 Lab File: BF093749.D  
 Acq: 18 Mar 2017 13:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-102I

Tgt Ion:330 Resp: 419807  
 Ion Ratio Lower Upper  
 330 100  
 332 97.1 76.6 115.0  
 141 37.0 31.4 47.2

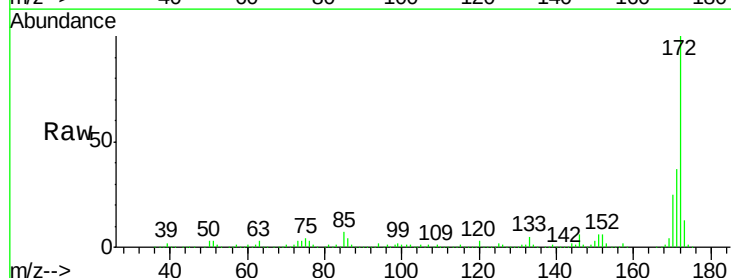


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

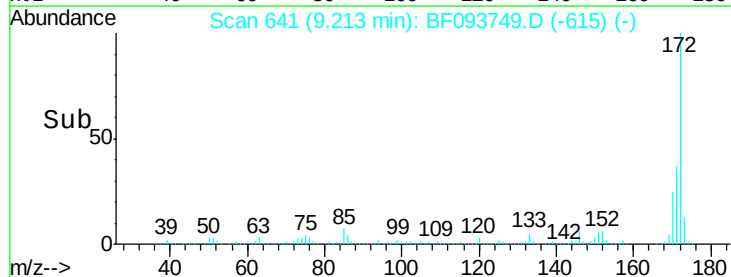
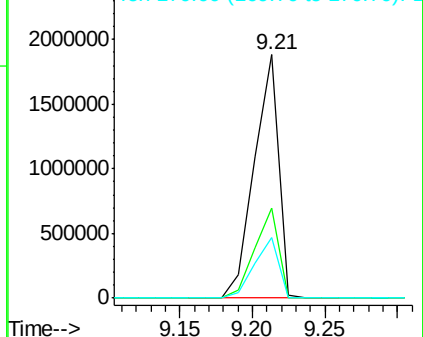


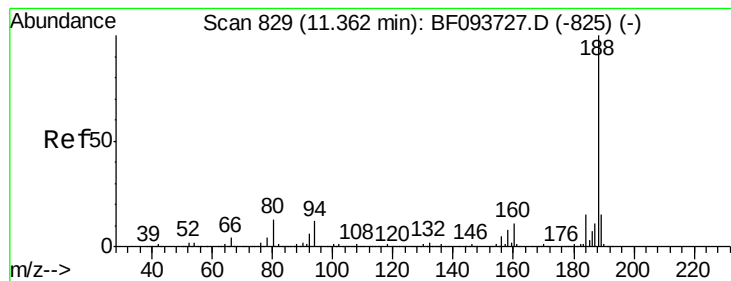
#44  
 2-Fluorobiphenyl  
 Concen: 114.44 ng  
 RT: 9.21 min Scan# 641  
 Delta R.T. 0.00 min  
 Lab File: BF093749.D  
 Acq: 18 Mar 2017 13:06

Tgt Ion:172 Resp: 2178997  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 29.6 44.4  
 170 24.9 19.8 29.8



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: 11.36 min Scan# 829

Delta R.T. 0.00 min

Lab File: BF093749.D

Acq: 18 Mar 2017 13:06

Instrument :

BNA\_F

ClientSampleId :

MW-102I

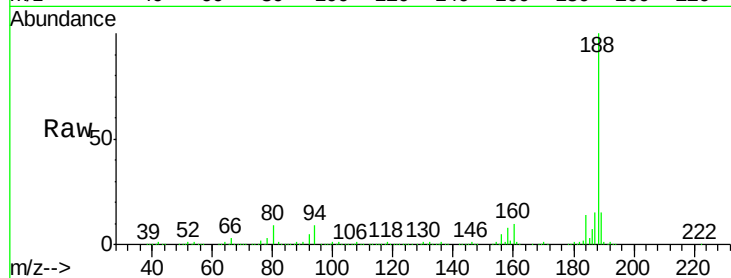
Tgt Ion:188 Resp: 698567

Ion Ratio Lower Upper

188 100

94 8.8 9.4 14.2#

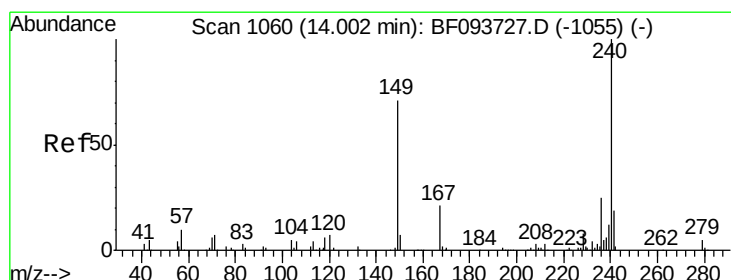
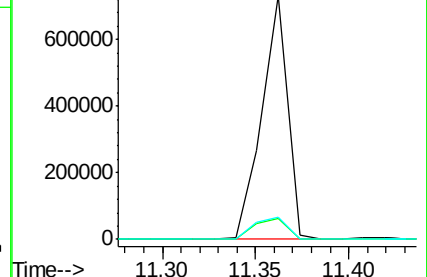
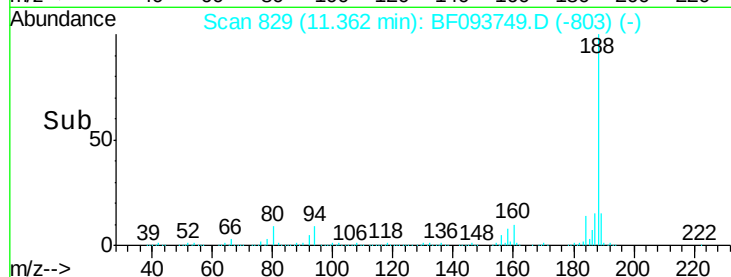
80 9.0 10.2 15.2#



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: 13.99 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF093749.D

Acq: 18 Mar 2017 13:06

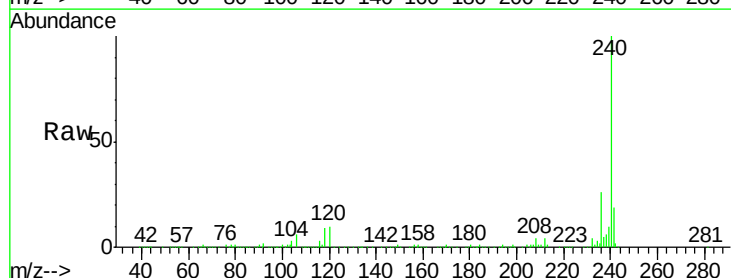
Tgt Ion:240 Resp: 588758

Ion Ratio Lower Upper

240 100

120 10.2 5.8 8.8#

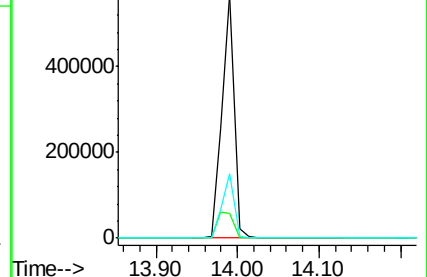
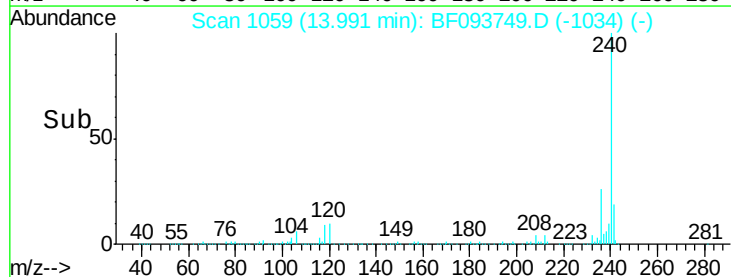
236 26.2 20.5 30.7

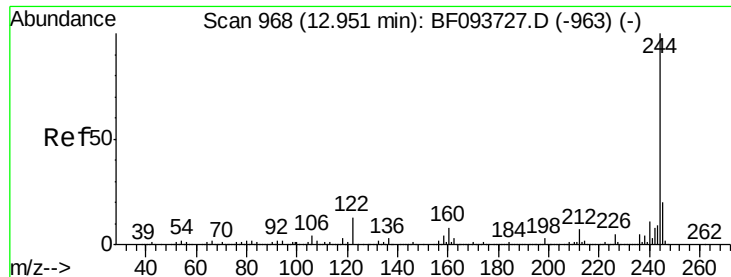


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

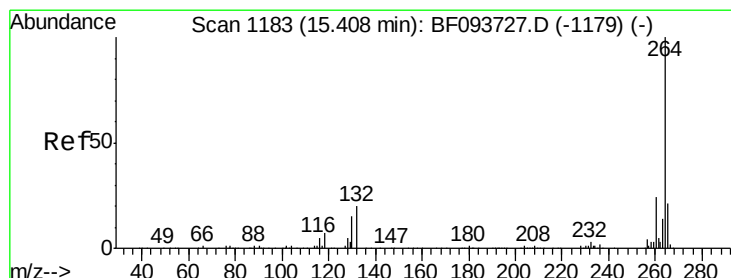
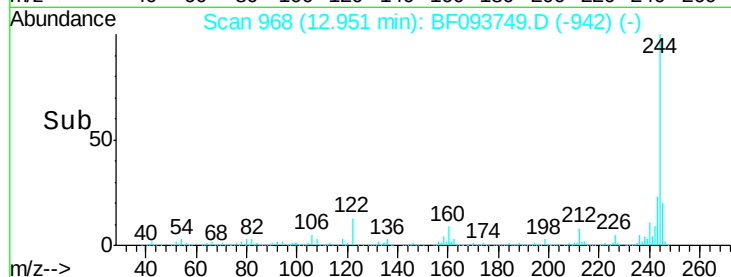
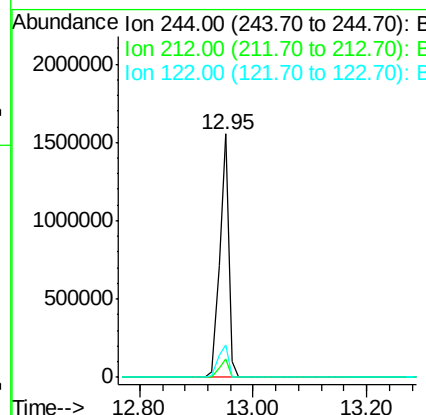
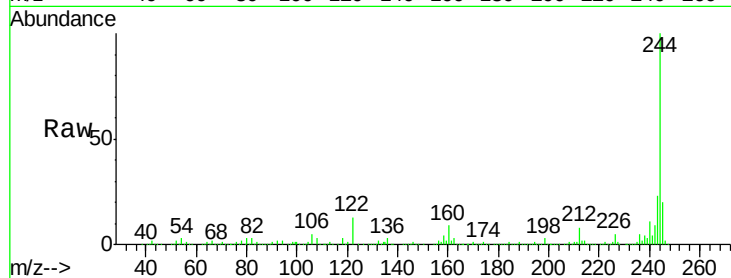




#78  
 Terphenyl-d14  
 Concen: 60.82 ng  
 RT: 12.95 min Scan# 968  
 Delta R.T. 0.00 min  
 Lab File: BF093749.D  
 Acq: 18 Mar 2017 13:06

Instrument :  
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Tgt Ion:244 Resp: 1663522  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 6.0 9.0  
 122 13.1 10.3 15.5



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.41 min Scan# 1183  
 Delta R.T. 0.00 min  
 Lab File: BF093749.D  
 Acq: 18 Mar 2017 13:06

Tgt Ion:264 Resp: 442370  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.5 29.3  
 265 21.2 17.2 25.8

