

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF050616\  
 Data File : BF086741.D  
 Acq On : 6 May 2016 23:26  
 Operator : UM/SJ  
 Sample : H2770-06  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRW1

Quant Time: May 07 04:11:13 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat May 07 03:18:46 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 167617   | 40.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.00  | 136  | 683642   | 40.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.74  | 164  | 329713   | 40.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.22 | 188  | 553708   | 40.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 13.85 | 240  | 406046   | 40.00  | ng    | -0.01    |
| 86) Perylene-d12            | 15.23 | 264  | 306197   | 40.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.31  | 112  | 694747   | 68.62  | ng    | -0.01    |
| 7) Phenol-d6                | 6.36  | 99   | 573481   | 42.05  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.28  | 82   | 1243148  | 93.44  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.53 | 330  | 462302   | 143.33 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.07  | 172  | 1921425  | 95.53  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.81 | 244  | 1519435  | 75.63  | ng    | 0.00     |

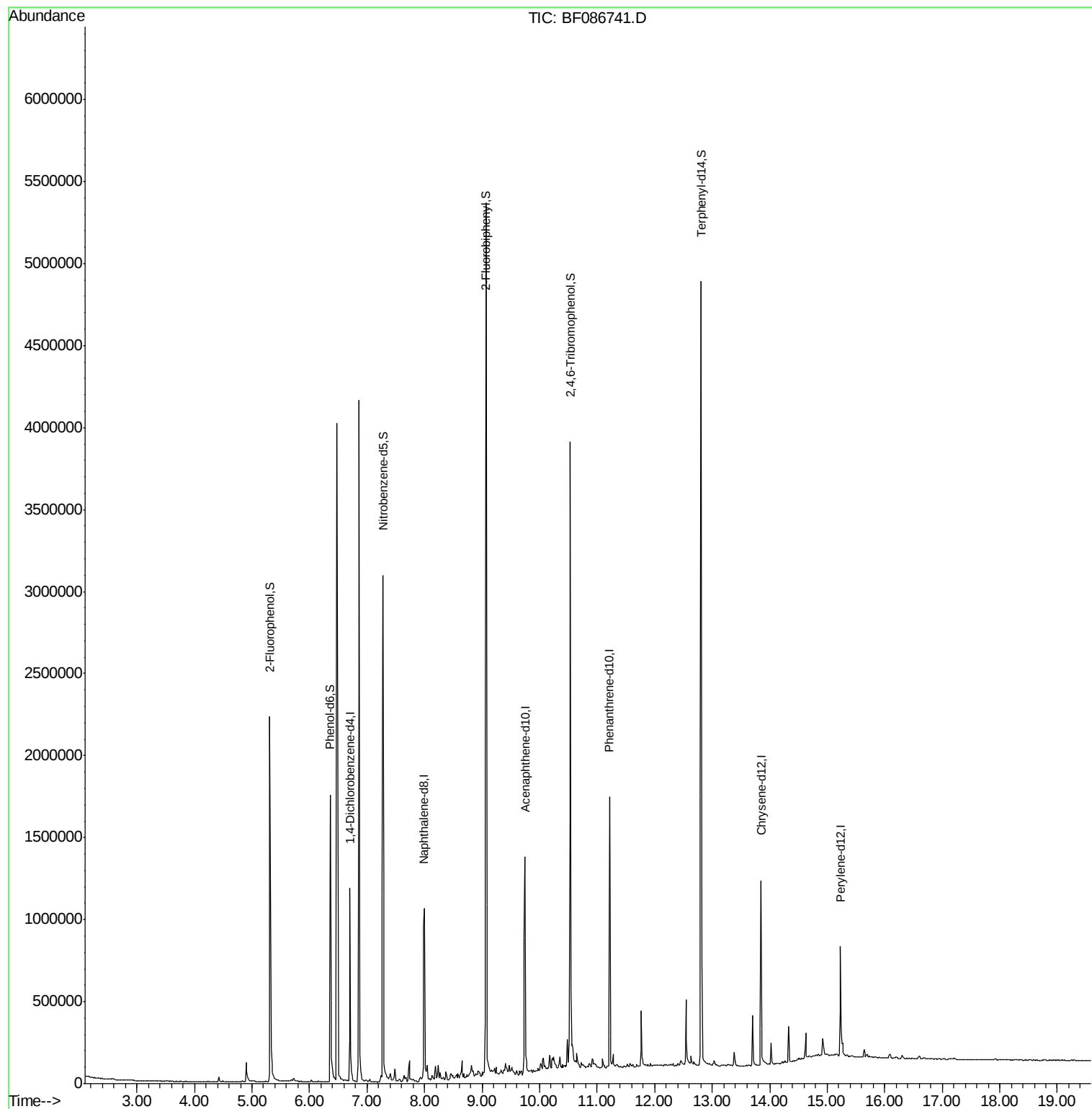
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

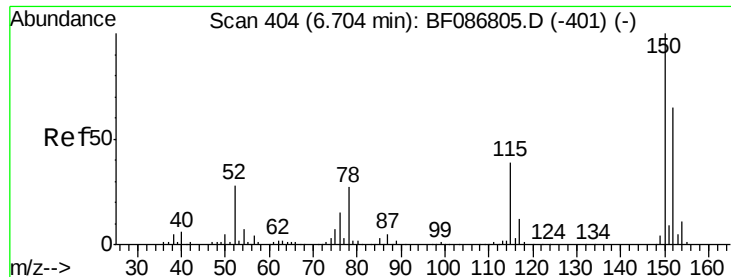
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat May 07 03:18:46 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.70 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

Instrument :

BNA\_F

ClientSampleId :

DRW1

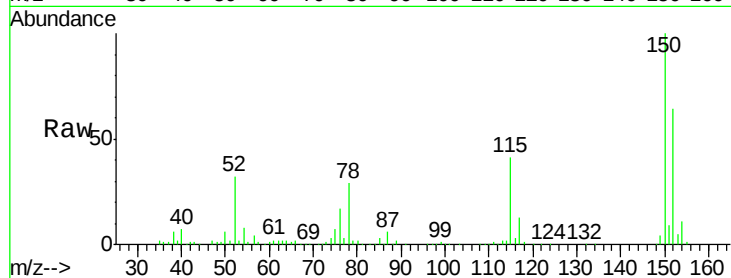
Tgt Ion:152 Resp: 167617

Ion Ratio Lower Upper

152 100

150 157.0 125.8 188.6

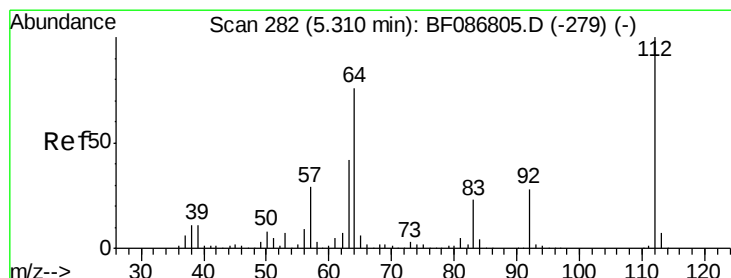
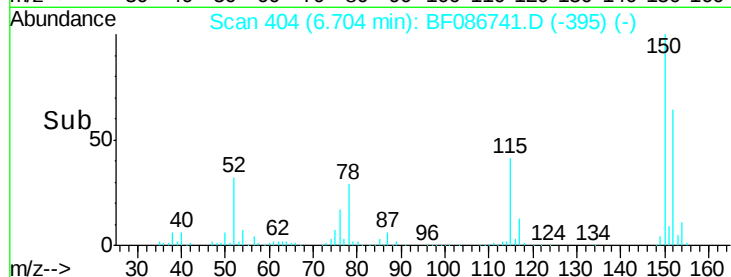
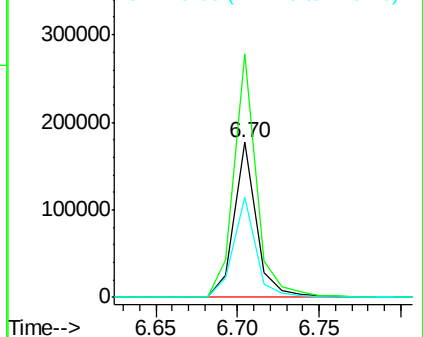
115 64.3 51.5 77.3



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: 68.62 ng

RT: 5.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

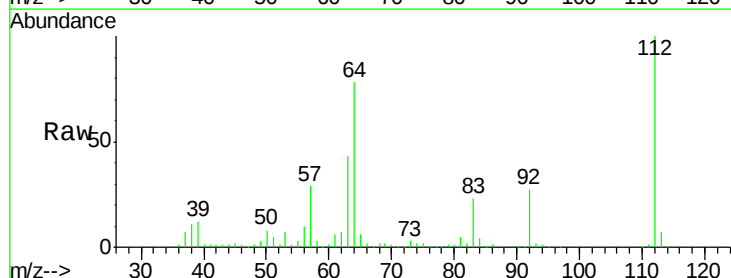
Tgt Ion:112 Resp: 694747

Ion Ratio Lower Upper

112 100

64 78.0 52.1 78.1

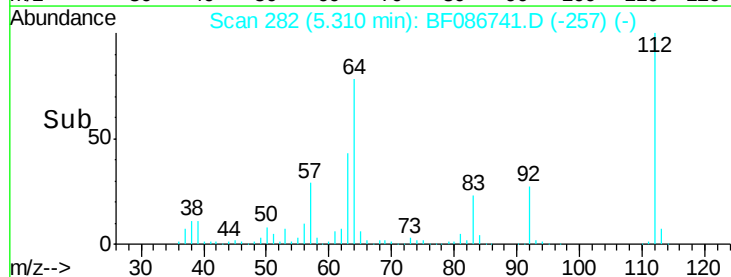
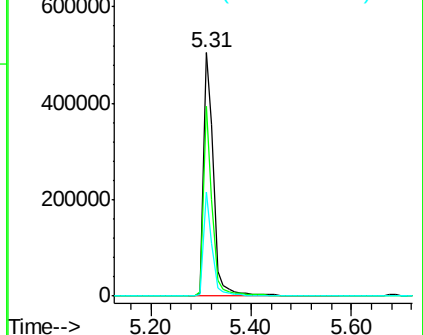
63 42.7 25.7 38.5

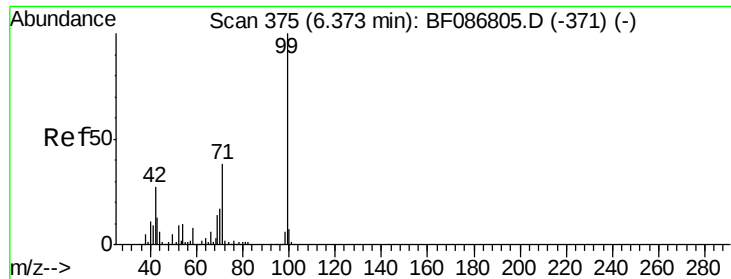


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.05 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.02 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

Instrument :

BNA\_F

ClientSampleId :

DRW1

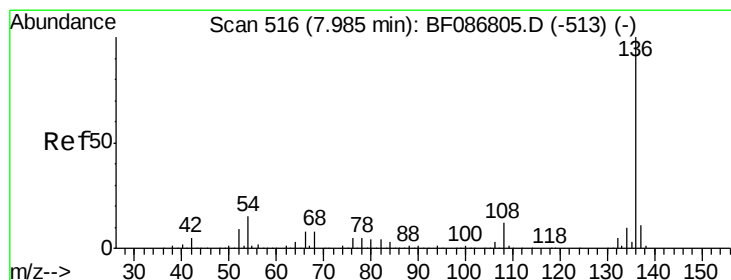
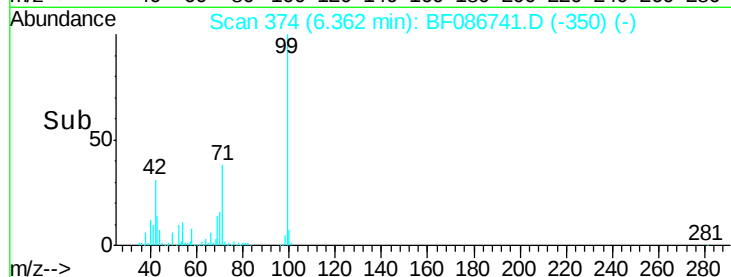
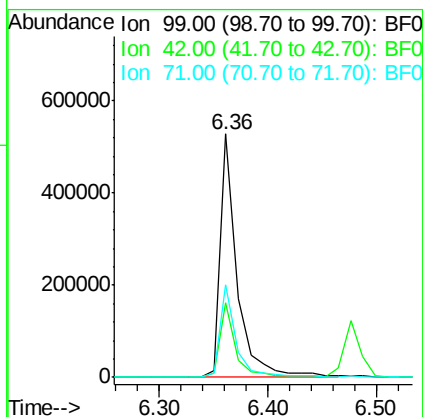
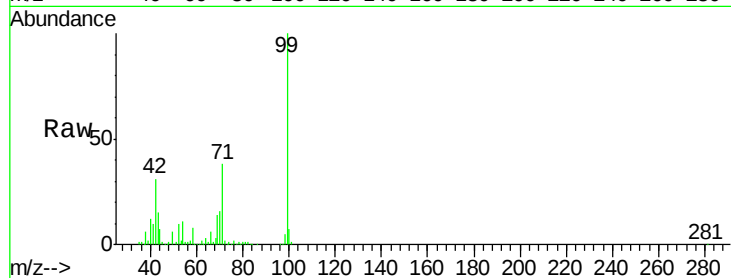
Tgt Ion: 99 Resp: 573481

Ion Ratio Lower Upper

99 100

42 30.6 13.6 20.4#

71 38.1 24.6 36.8#



#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.00 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

Tgt Ion: 136 Resp: 683642

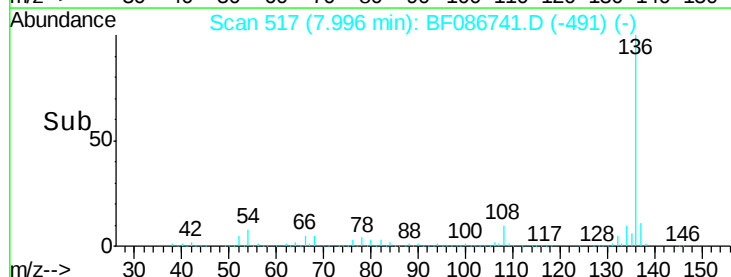
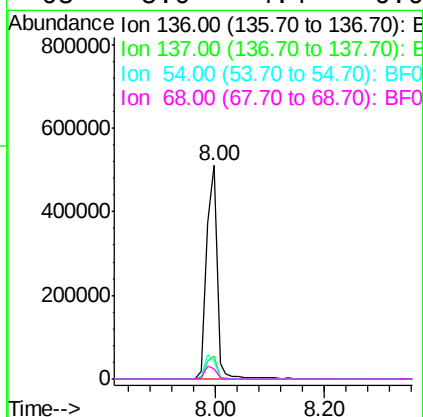
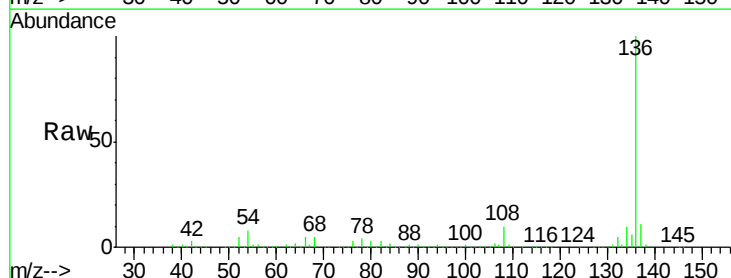
Ion Ratio Lower Upper

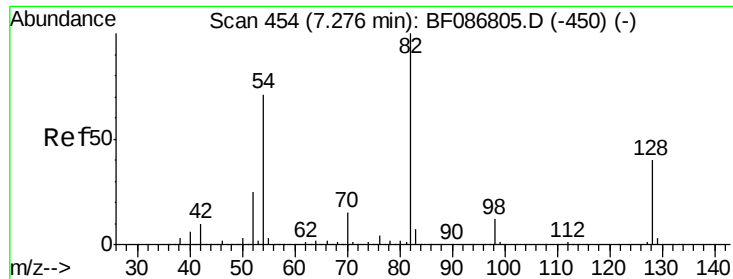
136 100

137 10.8 8.8 13.2

54 8.4 5.0 7.4#

68 5.0 4.4 6.6

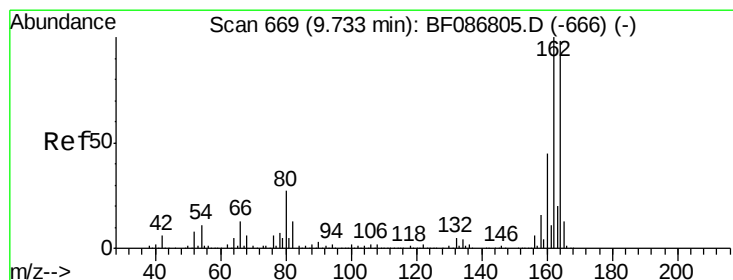
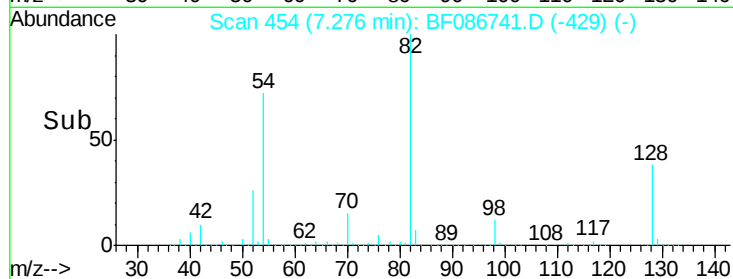
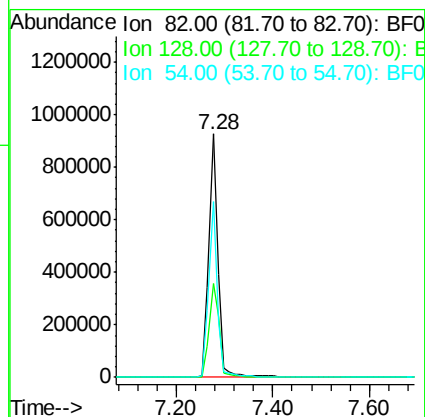
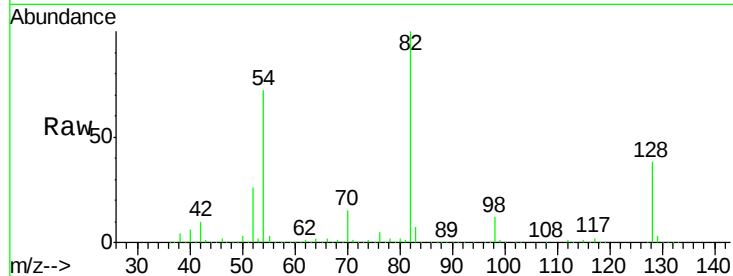




#23  
 Nitrobenzene-d5  
 Concen: 93.44 ng  
 RT: 7.28 min Scan# 454  
 Delta R.T. -0.01 min  
 Lab File: BF086741.D  
 Acq: 6 May 2016 23:26

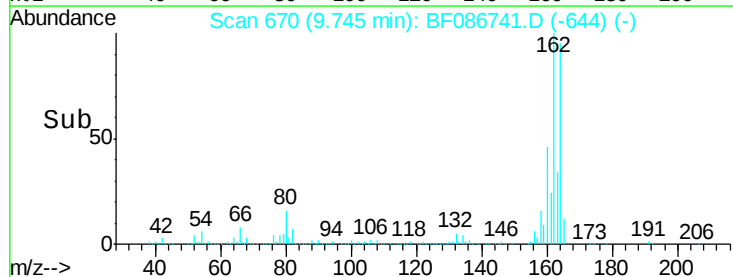
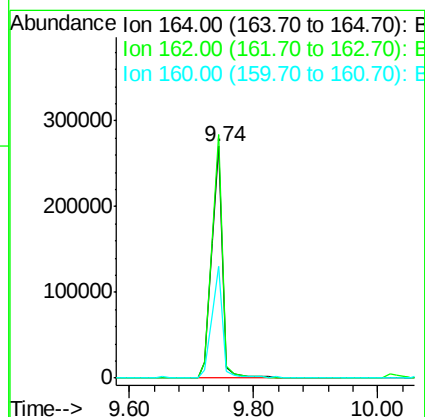
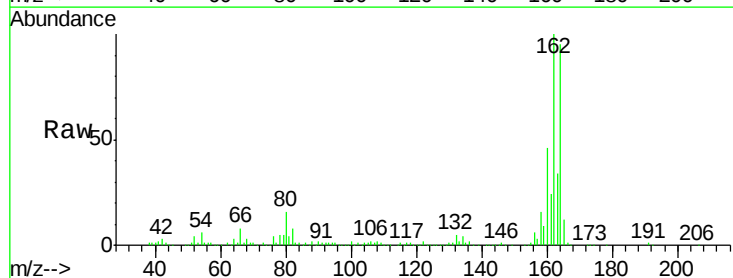
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRW1

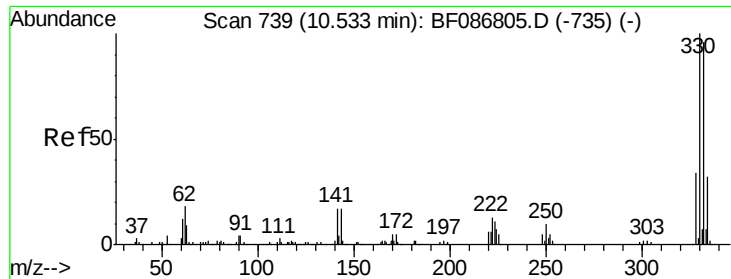
Tgt Ion: 82 Resp: 1243148  
 Ion Ratio Lower Upper  
 82 100  
 128 38.4 40.6 61.0#  
 54 72.1 38.1 57.1#



#38  
 Acenaphthene-d10  
 Concen: 40.00 ng  
 RT: 9.74 min Scan# 670  
 Delta R.T. 0.00 min  
 Lab File: BF086741.D  
 Acq: 6 May 2016 23:26

Tgt Ion: 164 Resp: 329713  
 Ion Ratio Lower Upper  
 164 100  
 162 105.1 82.8 124.2  
 160 48.5 36.9 55.3

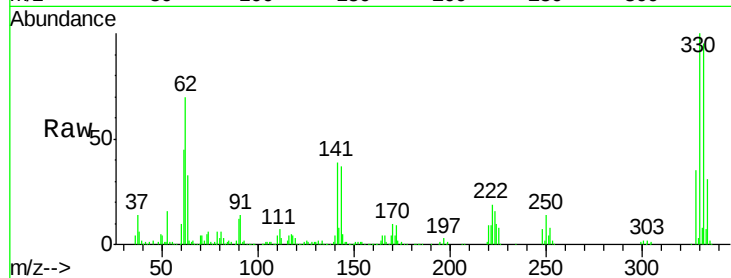




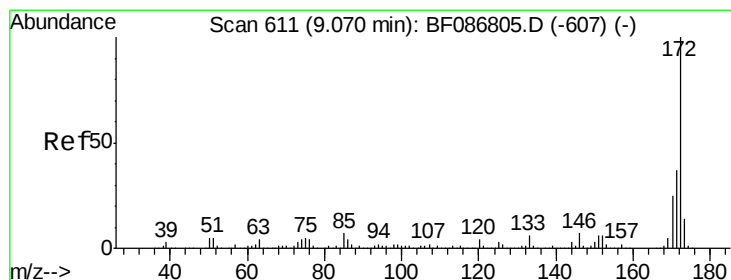
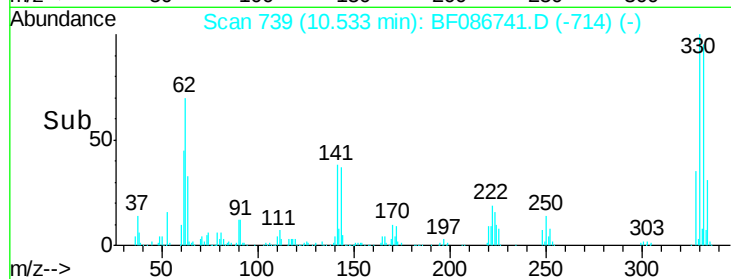
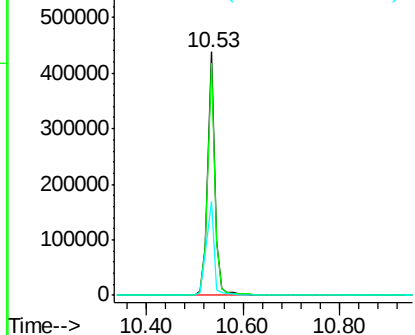
#41  
 2,4,6-Tribromophenol  
 Concen: 143.33 ng  
 RT: 10.53 min Scan# 739  
 Delta R.T. -0.01 min  
 Lab File: BF086741.D  
 Acq: 6 May 2016 23:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRW1

Tgt Ion:330 Resp: 462302  
 Ion Ratio Lower Upper  
 330 100  
 332 95.8 79.0 118.4  
 141 40.4 31.2 46.8

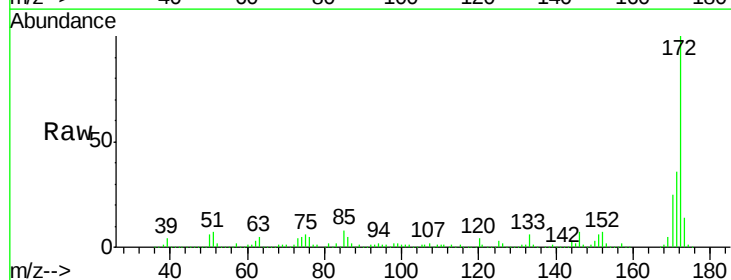


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

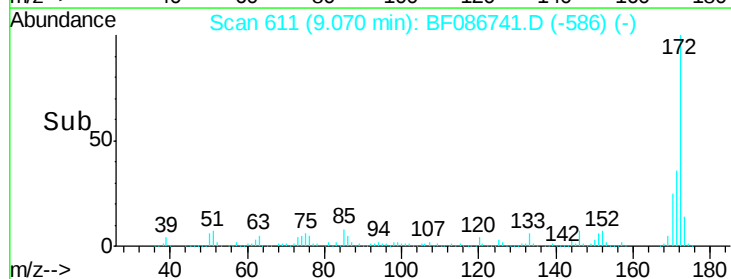
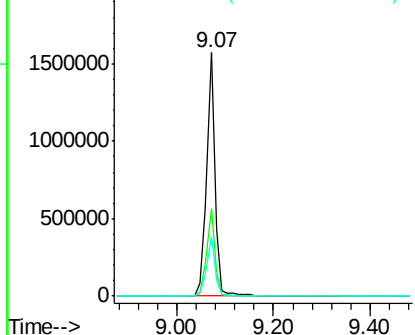


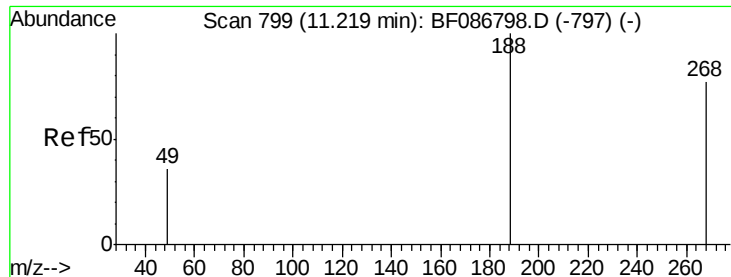
#44  
 2-Fluorobiphenyl  
 Concen: 95.53 ng  
 RT: 9.07 min Scan# 611  
 Delta R.T. -0.01 min  
 Lab File: BF086741.D  
 Acq: 6 May 2016 23:26

Tgt Ion:172 Resp: 1921425  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.0 43.6  
 170 24.6 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: 40.00 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.01 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

Instrument :

BNA\_F

ClientSampleId :

DRW1

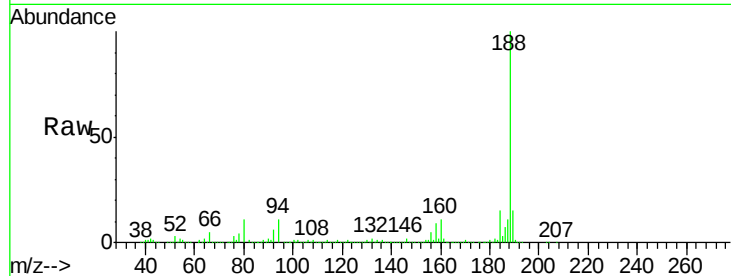
Tgt Ion:188 Resp: 553708

Ion Ratio Lower Upper

188 100

94 10.6 6.8 10.2#

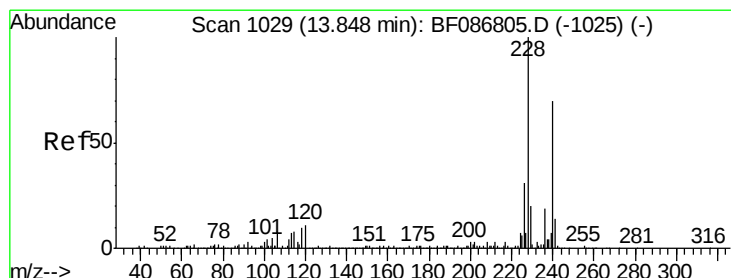
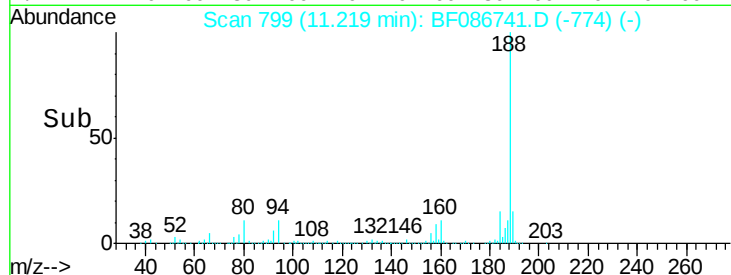
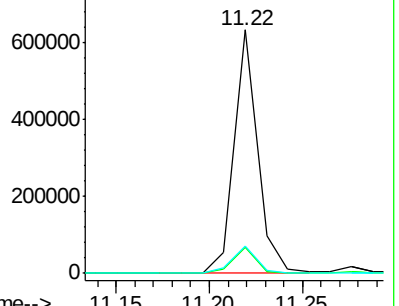
80 11.2 7.1 10.7#



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: 40.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

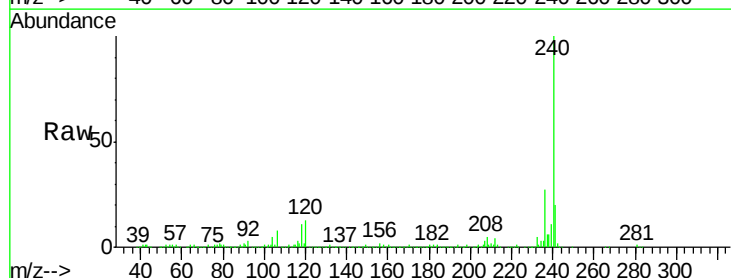
Tgt Ion:240 Resp: 406046

Ion Ratio Lower Upper

240 100

120 12.6 11.2 16.8

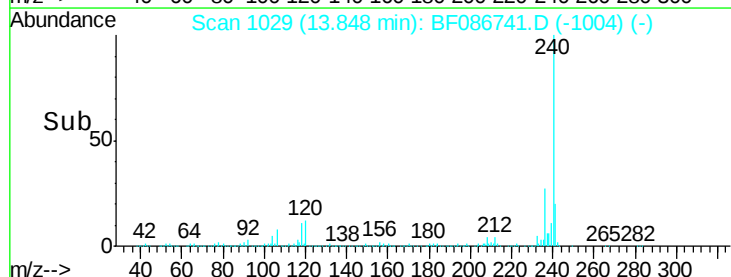
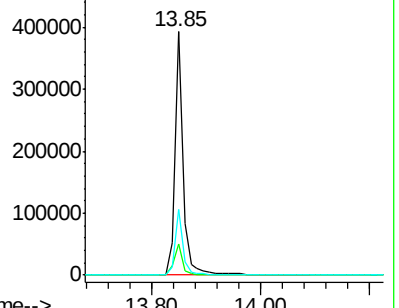
236 26.8 21.2 31.8

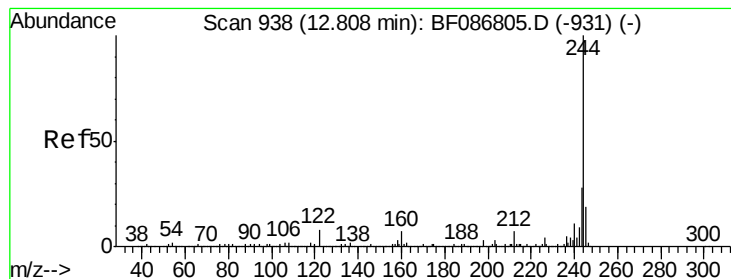


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 75.63 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.00 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

Instrument :

BNA\_F

ClientSampleId :

DRW1

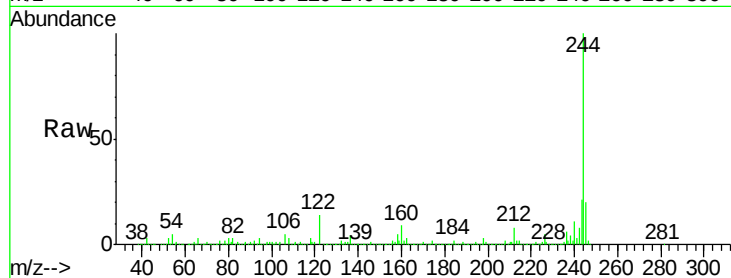
Tgt Ion:244 Resp: 1519435

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

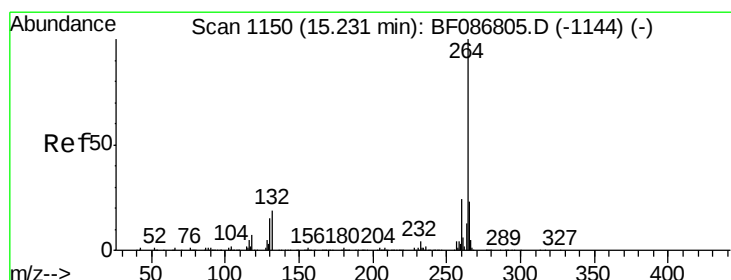
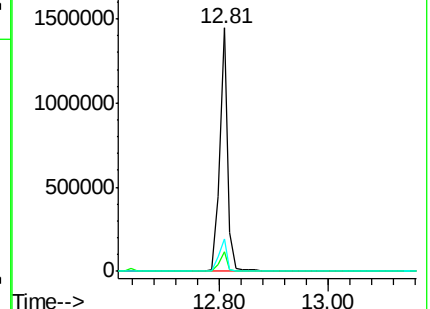
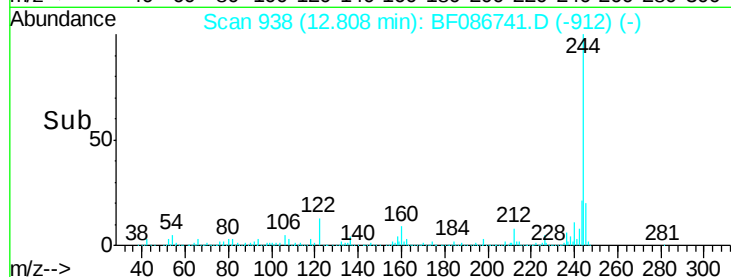
122 13.5 12.0 18.0



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



#86

Perylene-d12

Concen: 40.00 ng

RT: 15.23 min Scan# 1150

Delta R.T. -0.01 min

Lab File: BF086741.D

Acq: 6 May 2016 23:26

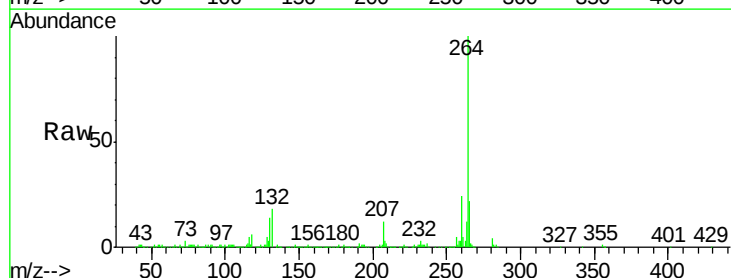
Tgt Ion:264 Resp: 306197

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

265 21.6 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

