

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\  
 Data File : BF087710.D  
 Acq On : 5 Jun 2016 16:20  
 Operator : UM/SJ  
 Sample : H3362-02  
 Misc :  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP16-JMW0991

Quant Time: Jun 06 04:01:34 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jun 04 11:07:28 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.86  | 152  | 156696   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.15  | 136  | 673366   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.90  | 164  | 293270   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.38 | 188  | 575307   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 14.01 | 240  | 441477   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 15.44 | 264  | 365134   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.45  | 112  | 539      | 0.06  | ng    | 0.00     |
| 7) Phenol-d6                | 6.48  | 99   | 4423     | 0.36  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 849111   | 72.96 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.68 | 330  | 276      | 0.09  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 1418583  | 70.30 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.97 | 244  | 1150458  | 63.59 | ng    | 0.00     |

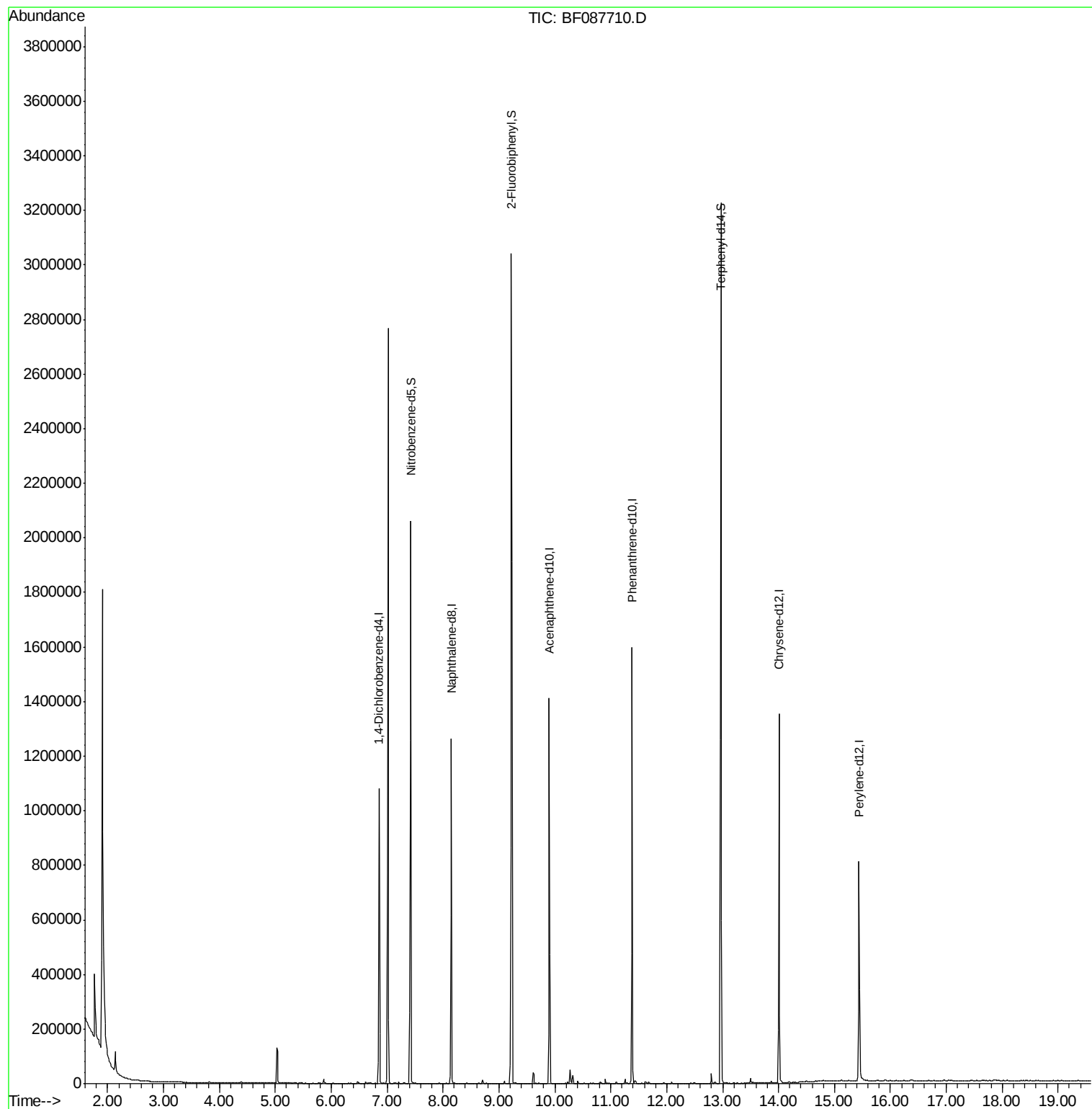
Target Compounds Qvalue

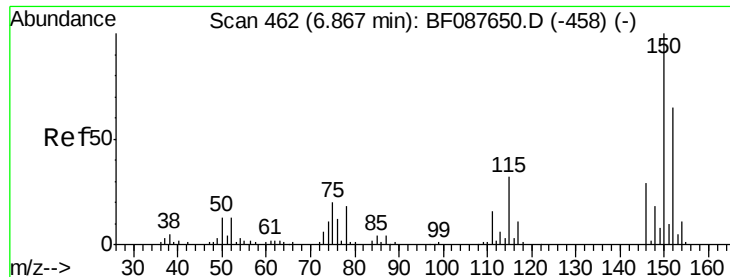
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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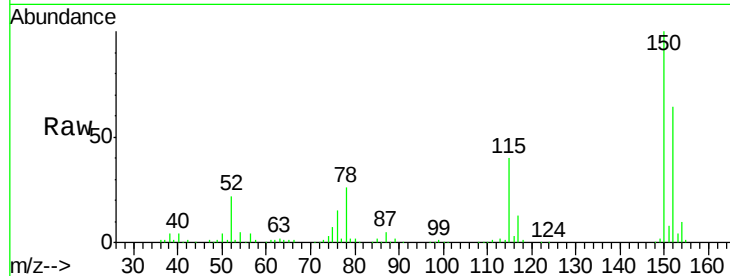


#1

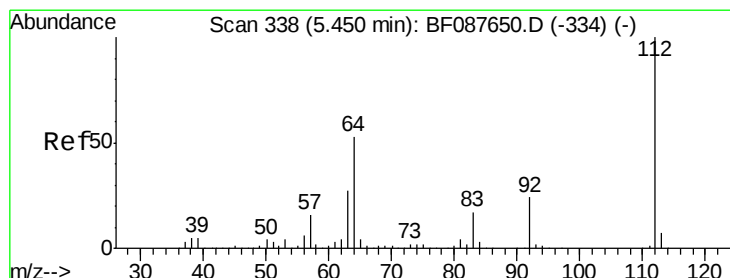
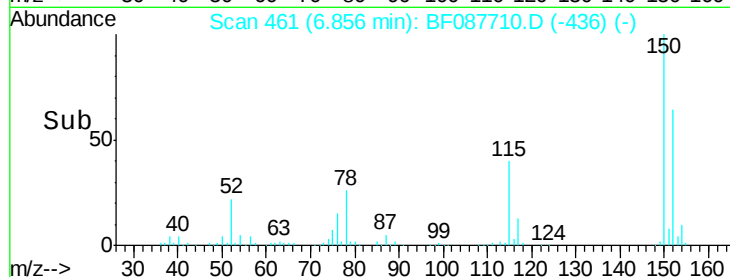
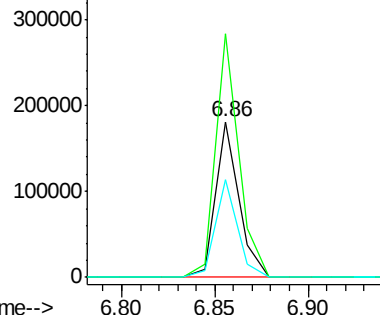
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.86 min Scan# 461  
Delta R.T. -0.01 min  
Lab File: BF087710.D  
Acq: 5 Jun 2016 16:20

Instrument :  
BNA\_F  
ClientSampleId :  
SP16-JMW0991

Tot Ion:152 Resp: 156696  
Ion Ratio Lower Upper  
152 100  
150 156.5 123.8 185.6  
115 63.1 39.6 59.4#



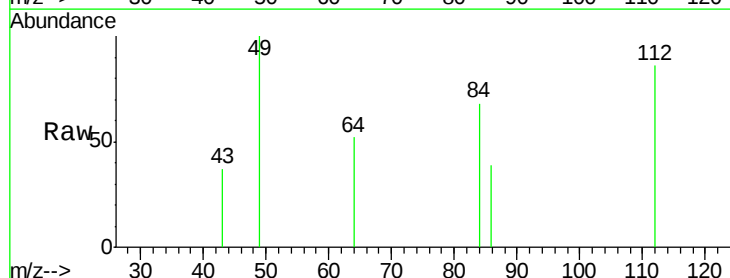
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



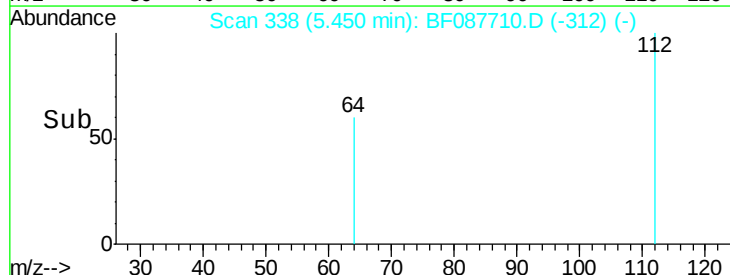
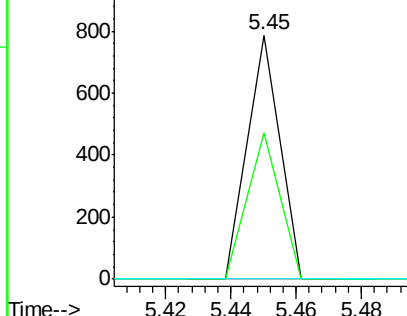
#5

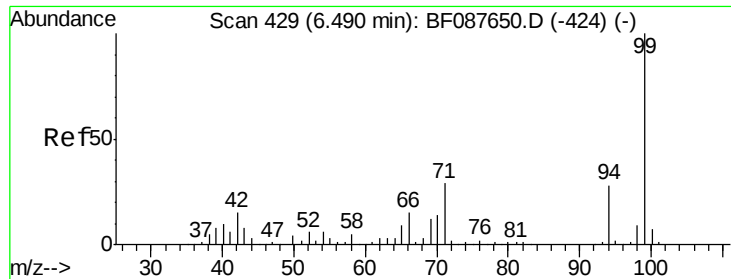
2-Fluorophenol  
Concen: 0.06 ng  
RT: 5.45 min Scan# 338  
Delta R.T. -0.00 min  
Lab File: BF087710.D  
Acq: 5 Jun 2016 16:20

Tgt Ion:112 Resp: 539  
Ion Ratio Lower Upper  
112 100  
64 60.2 42.2 63.2  
63 0.0 21.8 32.8#



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: 0.36 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.01 min

Lab File: BF087710.D

Acq: 5 Jun 2016 16:20

Instrument :

BNA\_F

ClientSampleId :

SP16-JMW0991

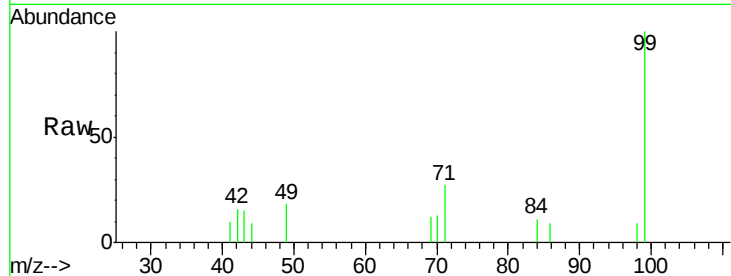
Tot Ion: 99 Resp: 4423

Ion Ratio Lower Upper

99 100

42 16.4 12.2 18.2

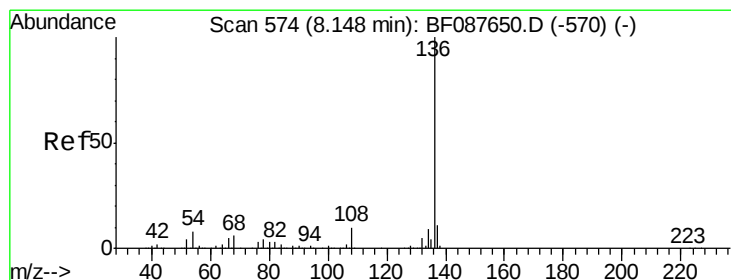
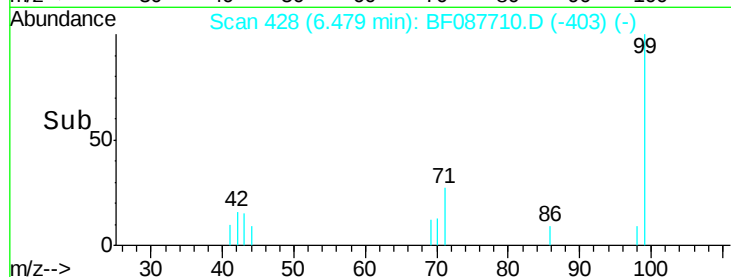
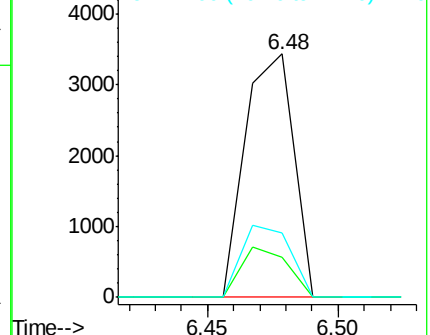
71 26.6 23.4 35.0



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: 8.15 min Scan# 574

Delta R.T. -0.00 min

Lab File: BF087710.D

Acq: 5 Jun 2016 16:20

Tgt Ion: 136 Resp: 673366

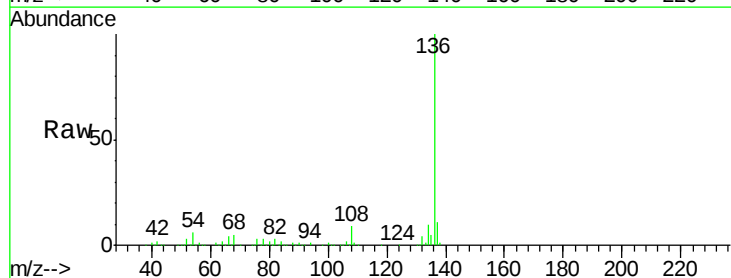
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 6.0 6.6 10.0#

68 5.1 5.1 7.7#

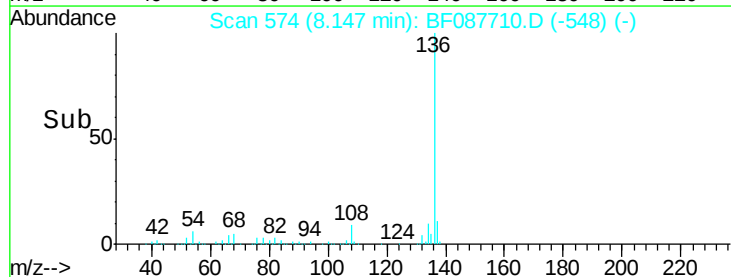
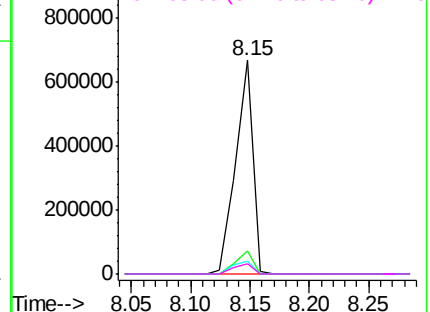


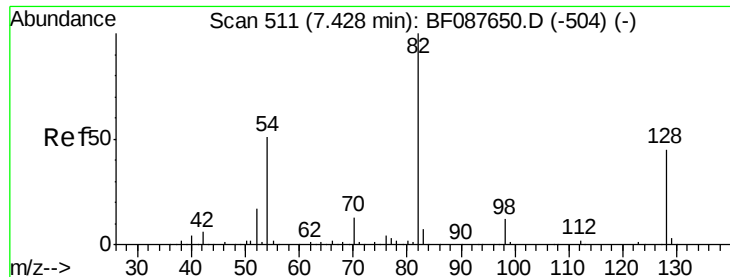
Abundance Ion 136.00 (135.70 to 136.70): E

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

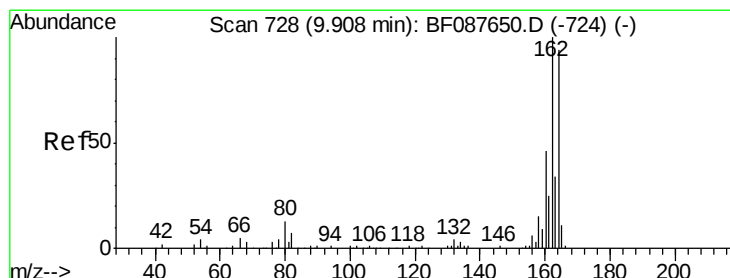
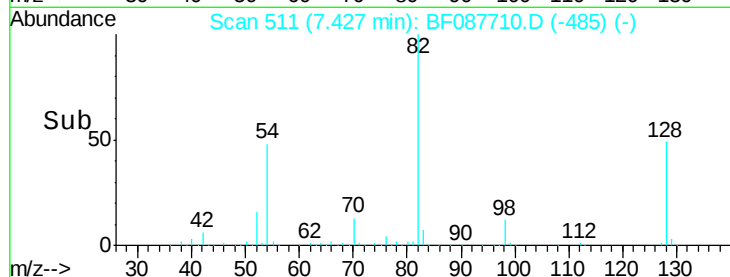
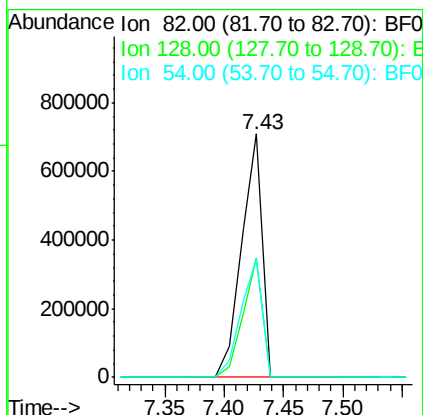
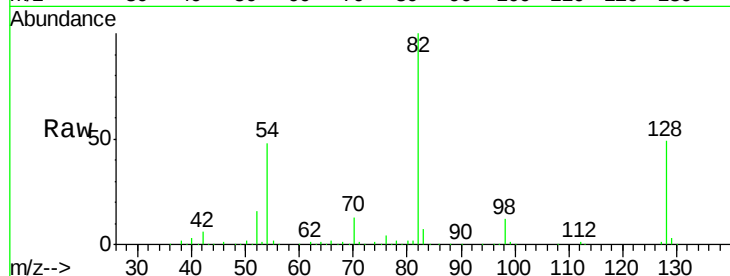




#23  
 Nitrobenzene-d5  
 Concen: 72.96 ng  
 RT: 7.43 min Scan# 511  
 Delta R.T. -0.00 min  
 Lab File: BF087710.D  
 Acq: 5 Jun 2016 16:20

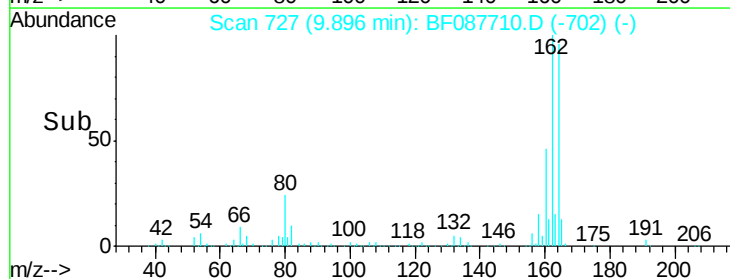
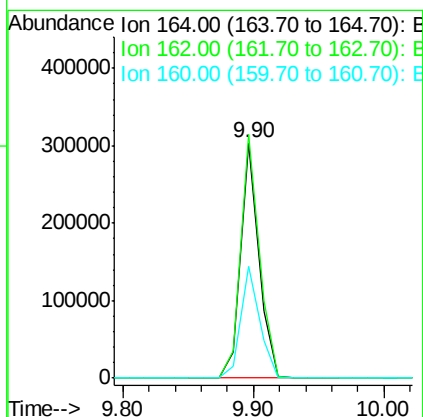
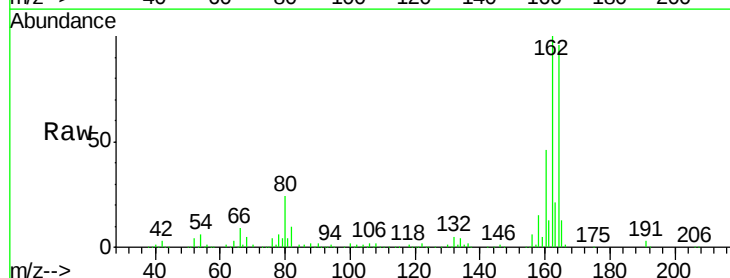
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP16-JMW0991

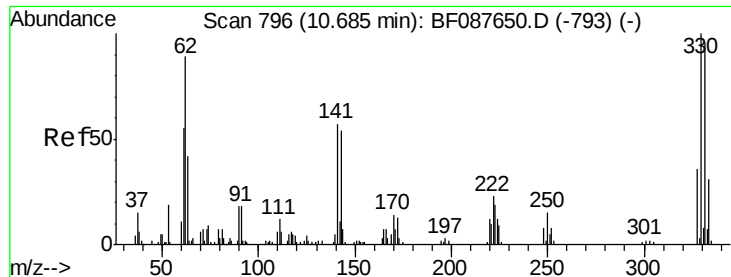
Tot Ion: 82 Resp: 849111  
 Ion Ratio Lower Upper  
 82 100  
 128 49.2 35.9 53.9  
 54 48.5 40.9 61.3



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.90 min Scan# 727  
 Delta R.T. -0.01 min  
 Lab File: BF087710.D  
 Acq: 5 Jun 2016 16:20

Tgt Ion:164 Resp: 293270  
 Ion Ratio Lower Upper  
 164 100  
 162 103.6 85.4 128.2  
 160 47.3 39.5 59.3





#41

2,4,6-Tribromophenol

Concen: 0.09 ng

RT: 10.68 min Scan# 796

Delta R.T. -0.00 min

Lab File: BF087710.D

Acq: 5 Jun 2016 16:20

Instrument :

BNA\_F

ClientSampleId :

SP16-JMW0991

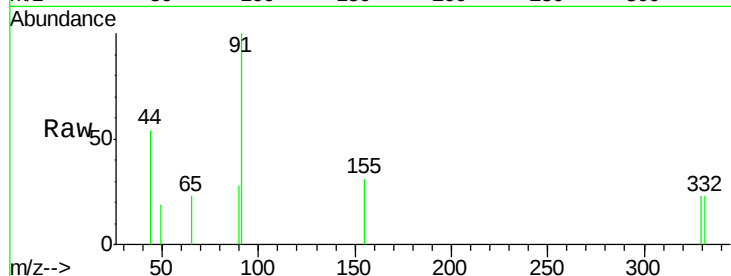
Tot Ion:330 Resp: 276

Ion Ratio Lower Upper

330 100

332 97.8 0.0 0.0#

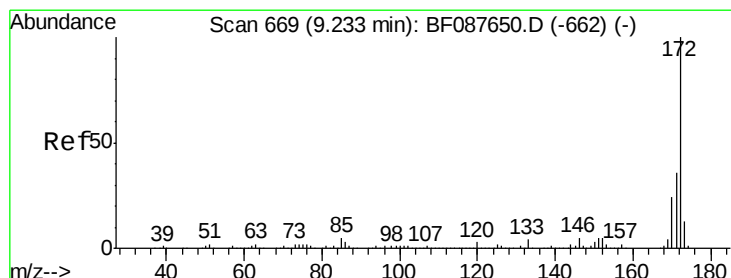
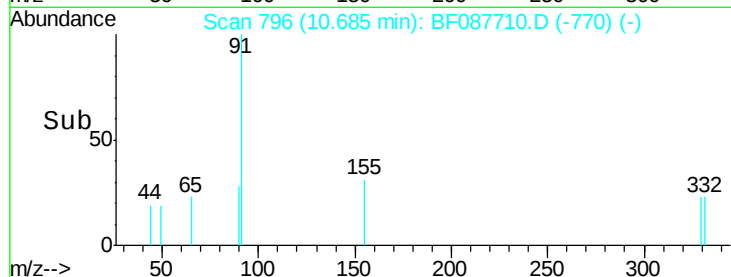
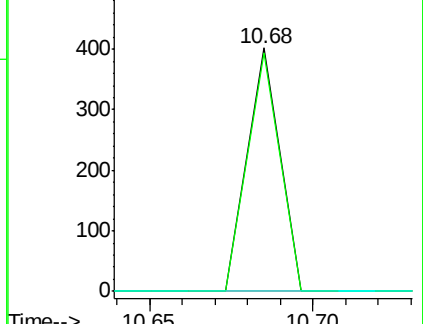
141 0.0 0.0 0.0



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: 70.30 ng

RT: 9.22 min Scan# 668

Delta R.T. -0.01 min

Lab File: BF087710.D

Acq: 5 Jun 2016 16:20

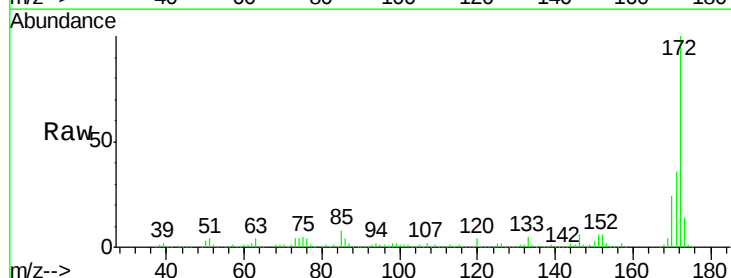
Tgt Ion:172 Resp: 1418583

Ion Ratio Lower Upper

172 100

171 36.2 28.6 43.0

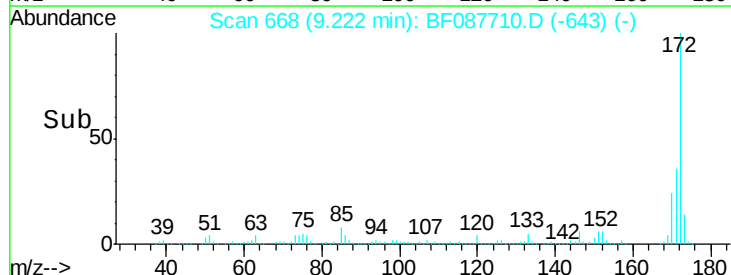
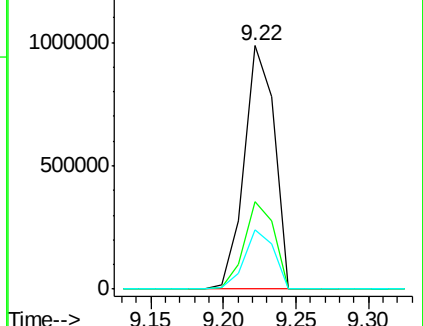
170 24.4 19.2 28.8

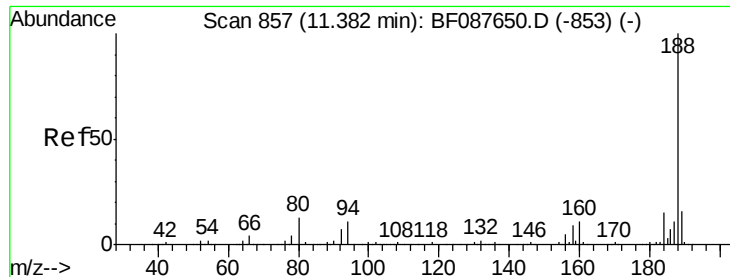


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

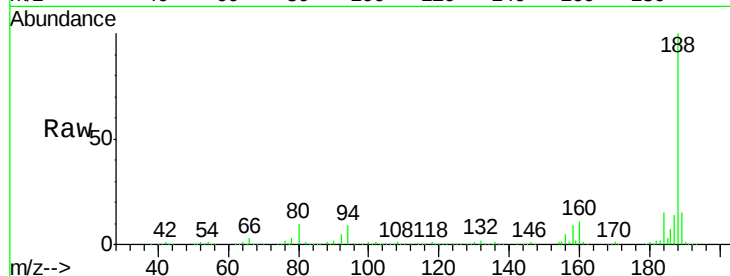




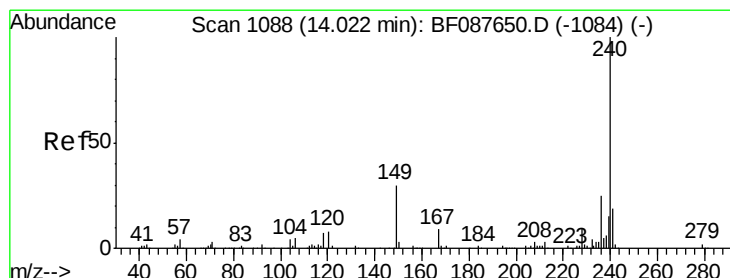
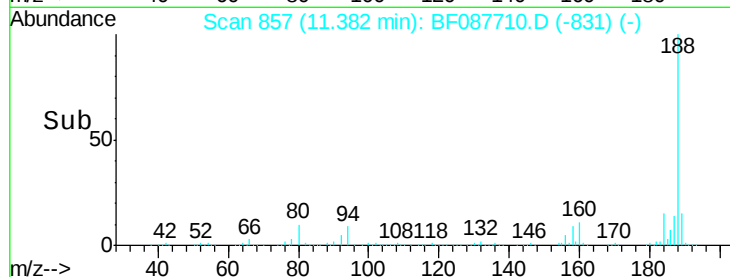
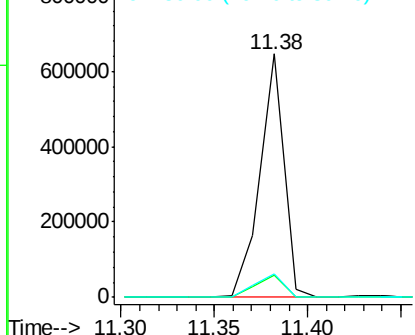
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.38 min Scan# 857  
Delta R.T. -0.00 min  
Lab File: BF087710.D  
Acq: 5 Jun 2016 16:20

Instrument :  
BNA\_F  
ClientSampleId :  
SP16-JMW0991

Tot Ion:188 Resp: 575307  
Ion Ratio Lower Upper  
188 100  
94 9.3 9.0 13.6  
80 9.8 10.0 15.0#

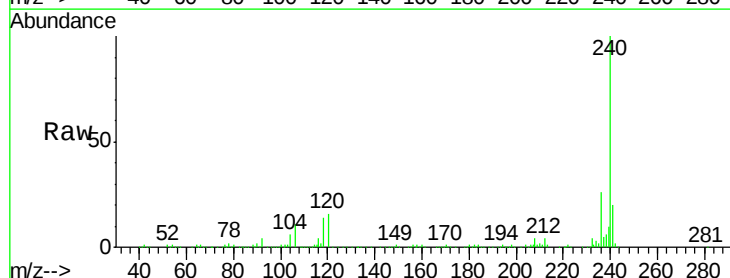


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

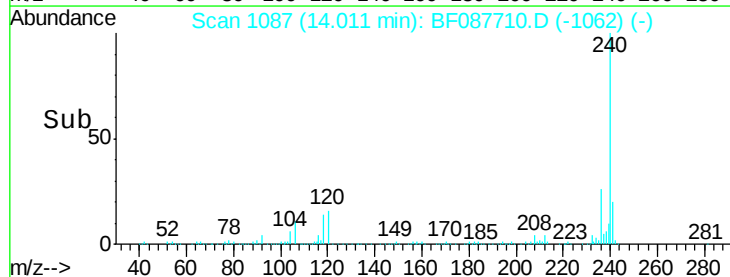
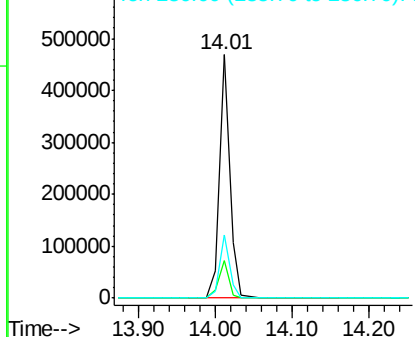


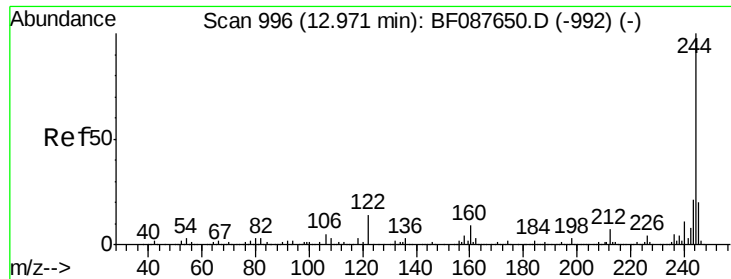
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 14.01 min Scan# 1087  
Delta R.T. -0.01 min  
Lab File: BF087710.D  
Acq: 5 Jun 2016 16:20

Tgt Ion:240 Resp: 441477  
Ion Ratio Lower Upper  
240 100  
120 15.6 6.8 10.2#  
236 25.9 20.2 30.2



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

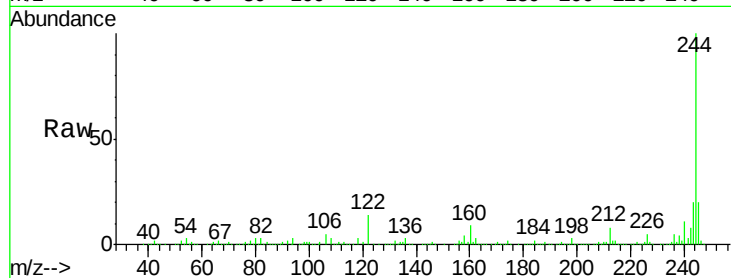




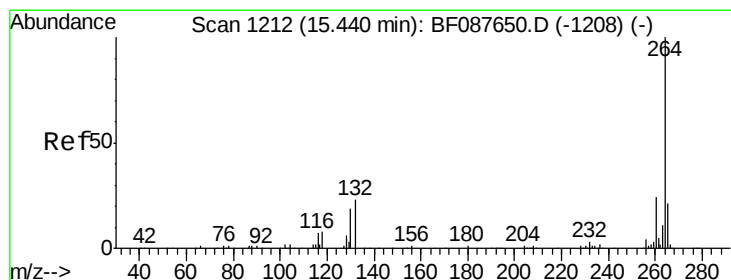
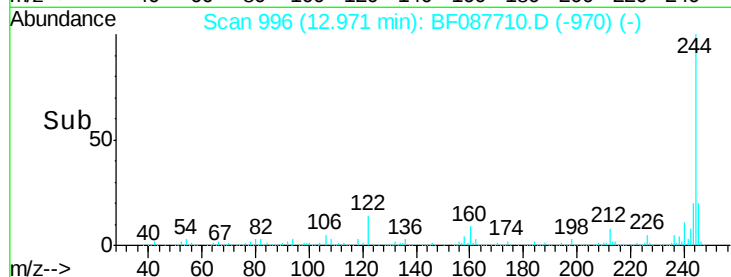
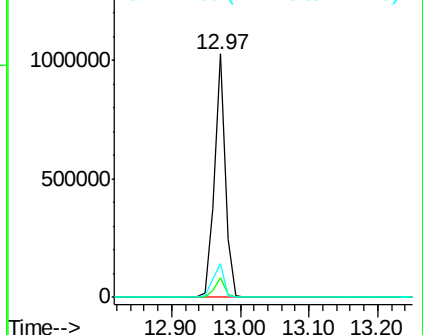
#78  
 Terphenyl-d14  
 Concen: 63.59 ng  
 RT: 12.97 min Scan# 996  
 Delta R.T. 0.00 min  
 Lab File: BF087710.D  
 Acq: 5 Jun 2016 16:20

Instrument :  
 BNA\_F  
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 SP16-JMW0991

Tot Ion:244 Resp: 1150458  
 Ion Ratio Lower Upper  
 244 100  
 212 7.8 6.0 9.0  
 122 13.9 11.2 16.8

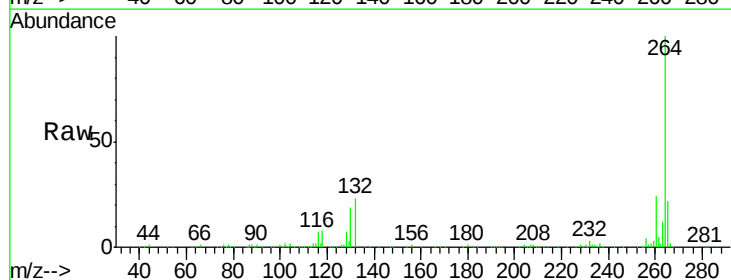


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.44 min Scan# 1212  
 Delta R.T. -0.00 min  
 Lab File: BF087710.D  
 Acq: 5 Jun 2016 16:20

Tgt Ion:264 Resp: 365134  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.2 28.8  
 265 22.1 16.9 25.3



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

