

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF073016\  
 Data File : BF089420.D  
 Acq On : 29 Jul 2016 20:36  
 Operator : UM/SJ  
 Sample : H4221-03  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-43-14.0-15.0

Quant Time: Jul 30 01:02:02 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF072716.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jul 30 01:00:15 2016  
 Response via : Initial Calibration

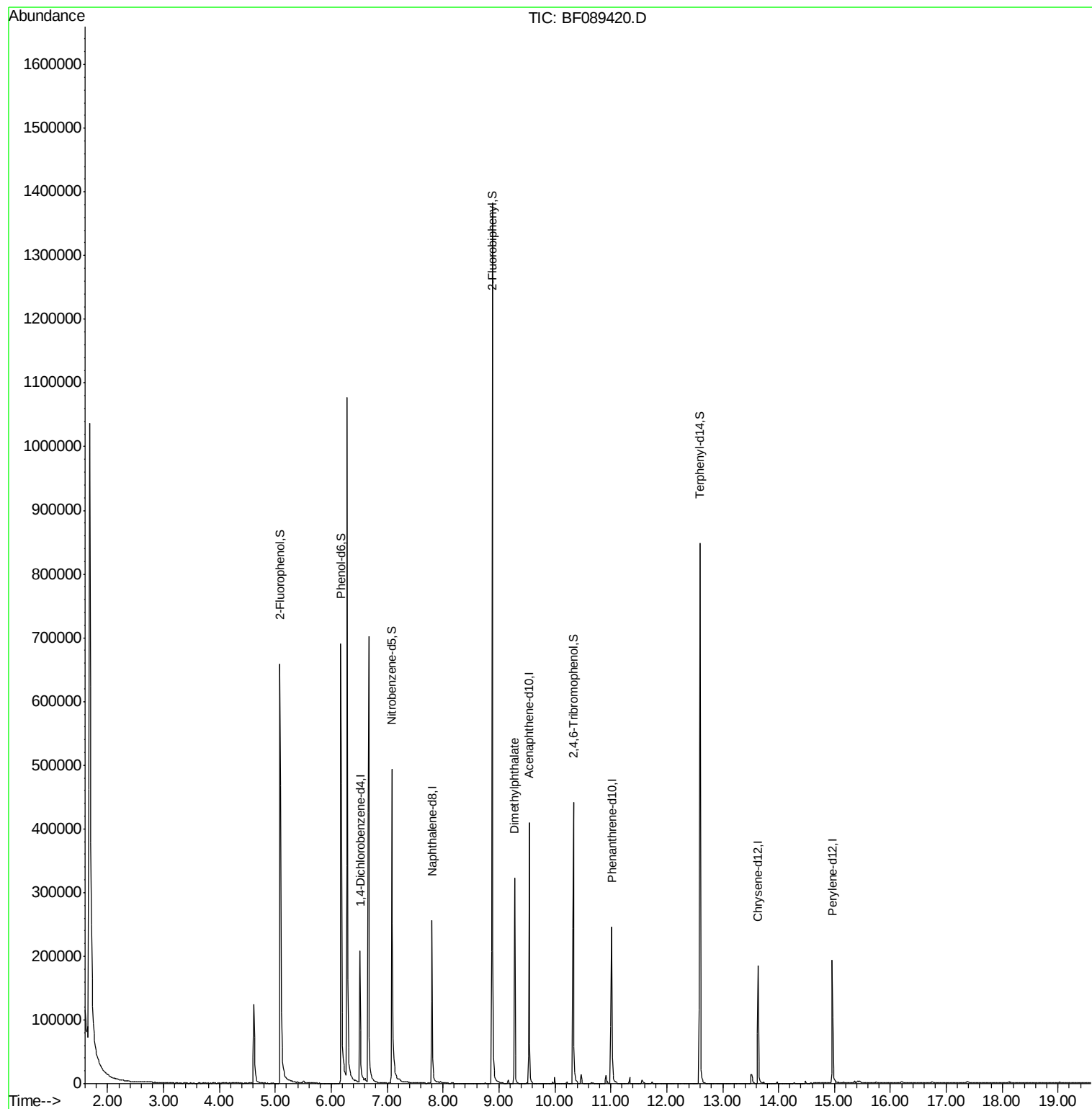
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.51  | 152  | 43604    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 7.80  | 136  | 169845   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 9.54  | 164  | 80436    | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 11.02 | 188  | 120151   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 13.63 | 240  | 83233    | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 14.96 | 264  | 91146    | 20.00  | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.08  | 112  | 297127   | 108.80 | ng    | 0.00         |
| 7) Phenol-d6                | 6.17  | 99   | 390781   | 108.28 | ng    | -0.01        |
| 23) Nitrobenzene-d5         | 7.08  | 82   | 244914   | 85.11  | ng    | -0.01        |
| 41) 2,4,6-Tribromophenol    | 10.33 | 330  | 62260    | 93.46  | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 8.88  | 172  | 446585   | 81.48  | ng    | 0.00         |
| 78) Terphenyl-d14           | 12.59 | 244  | 264189   | 74.29  | ng    | -0.01        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.28  | 163  | 127012   | 20.75  | ng    | Qvalue<br>99 |

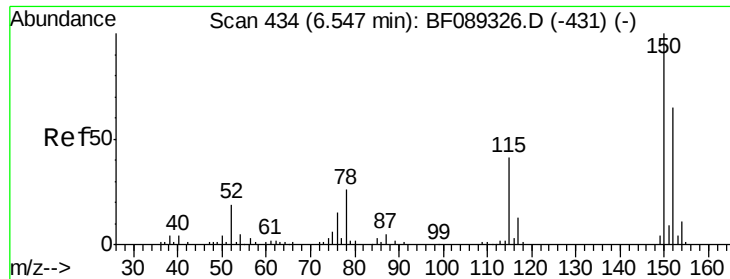
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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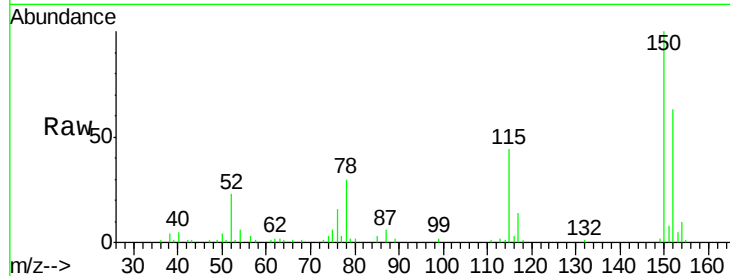




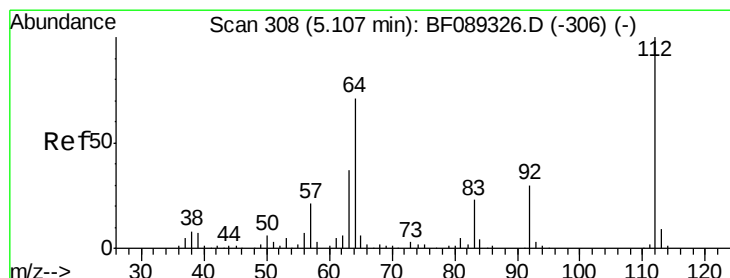
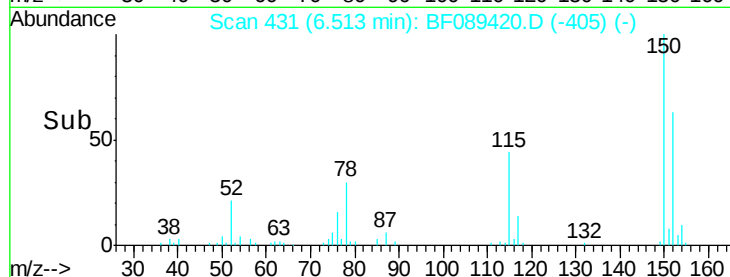
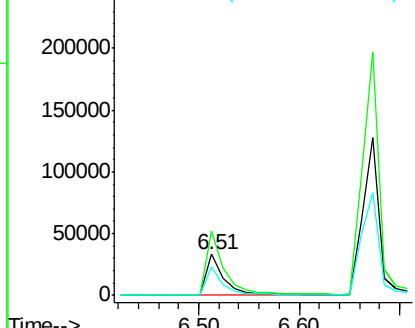
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.51 min Scan# 431  
 Delta R.T. -0.00 min  
 Lab File: BF089420.D  
 Acq: 29 Jul 2016 20:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-43-14.0-15.0

Tgt Ion:152 Resp: 43604  
 Ion Ratio Lower Upper  
 152 100  
 150 159.4 129.5 194.3  
 115 70.6 51.4 77.2

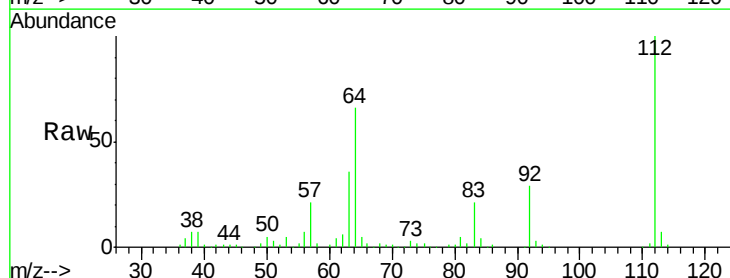


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

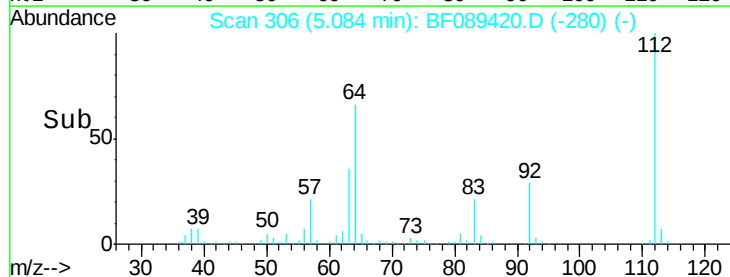
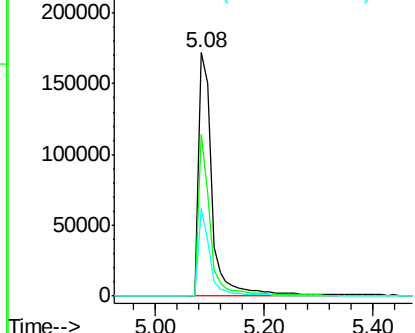


#5  
 2-Fluorophenol  
 Concen: 108.80 ng  
 RT: 5.08 min Scan# 306  
 Delta R.T. -0.00 min  
 Lab File: BF089420.D  
 Acq: 29 Jul 2016 20:36

Tgt Ion:112 Resp: 297127  
 Ion Ratio Lower Upper  
 112 100  
 64 66.4 55.0 82.6  
 63 35.9 29.4 44.2



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: 108.28 ng

RT: 6.17 min Scan# 401

Delta R.T. -0.01 min

Lab File: BF089420.D

Acq: 29 Jul 2016 20:36

Instrument :

BNA\_F

ClientSampleId :

SB-43-14.0-15.0

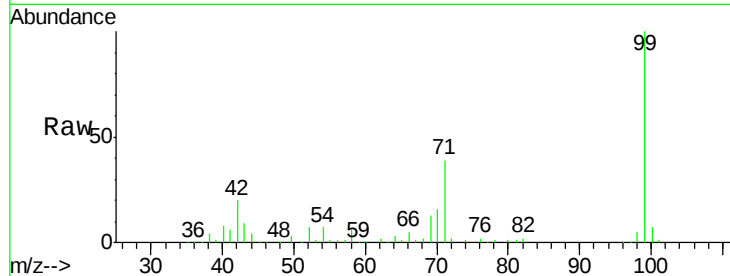
Tgt Ion: 99 Resp: 390781

Ion Ratio Lower Upper

99 100

42 19.6 13.6 20.4

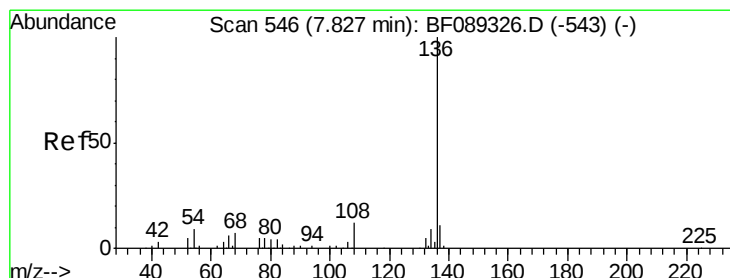
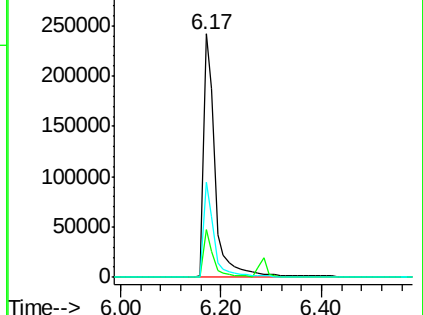
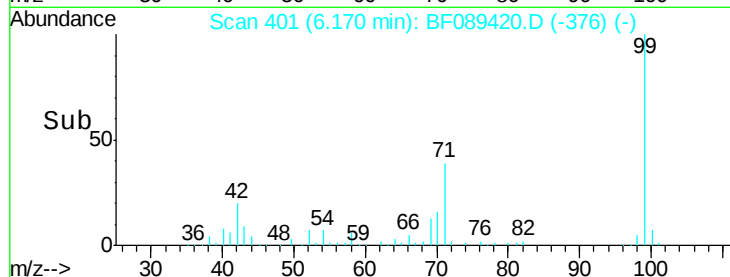
71 39.3 29.4 44.2



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: 7.80 min Scan# 544

Delta R.T. -0.00 min

Lab File: BF089420.D

Acq: 29 Jul 2016 20:36

Tgt Ion: 136 Resp: 169845

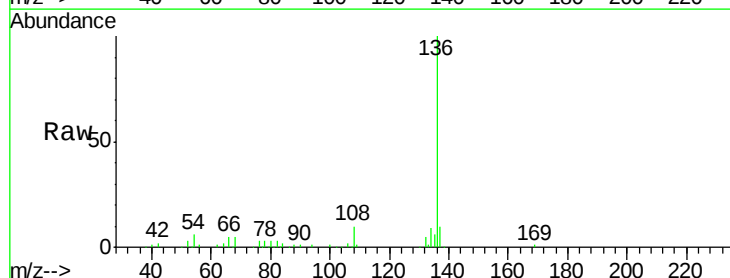
Ion Ratio Lower Upper

136 100

137 10.4 8.6 13.0

54 5.9 7.0 10.4

68 4.9 4.9 7.3

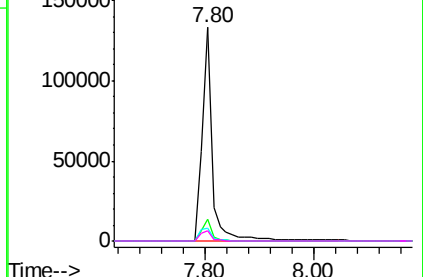
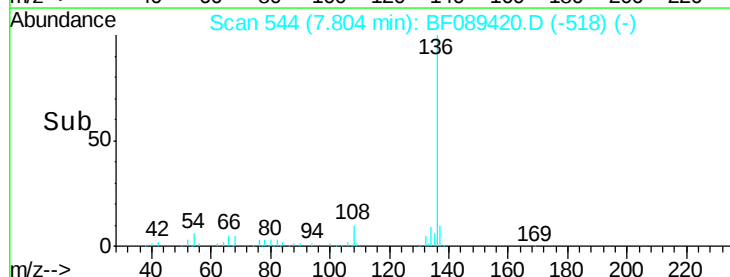


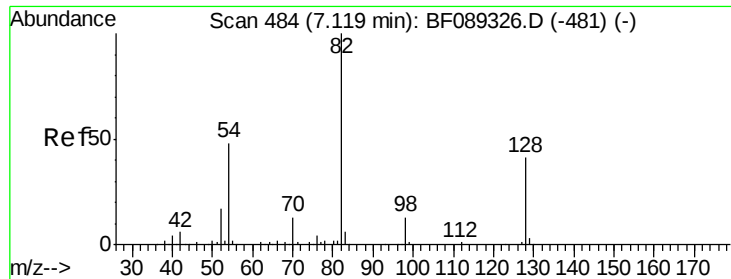
Abundance Ion 136.00 (135.70 to 136.70): E

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

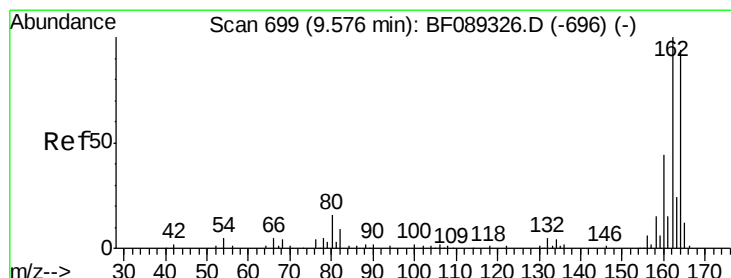
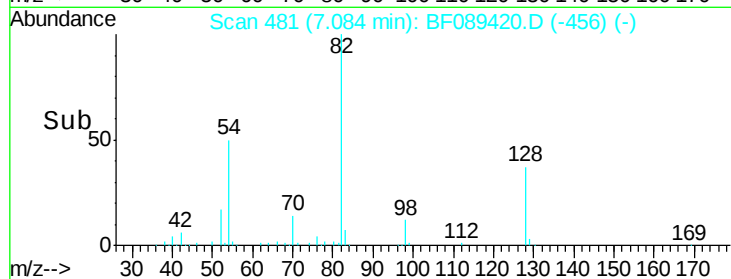
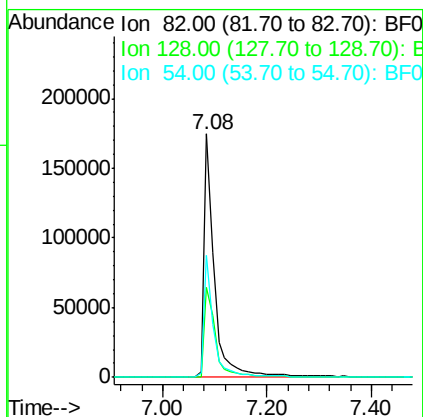
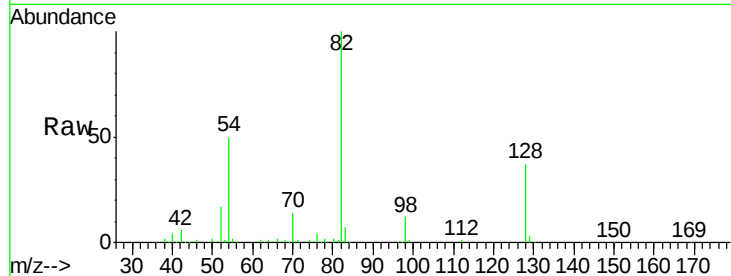




#23  
 Nitrobenzene-d5  
 Concen: 85.11 ng  
 RT: 7.08 min Scan# 481  
 Delta R.T. -0.01 min  
 Lab File: BF089420.D  
 Acq: 29 Jul 2016 20:36

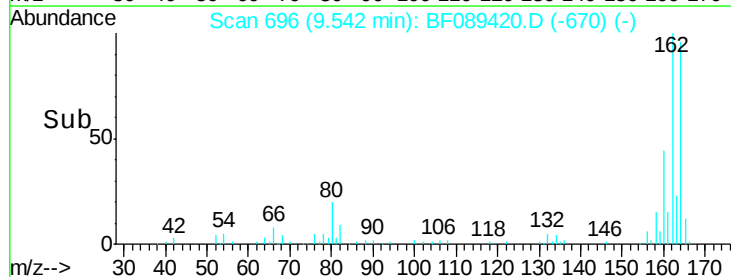
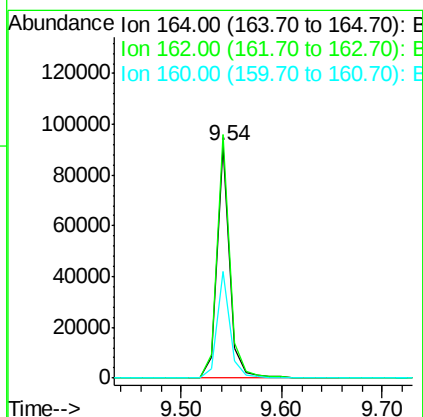
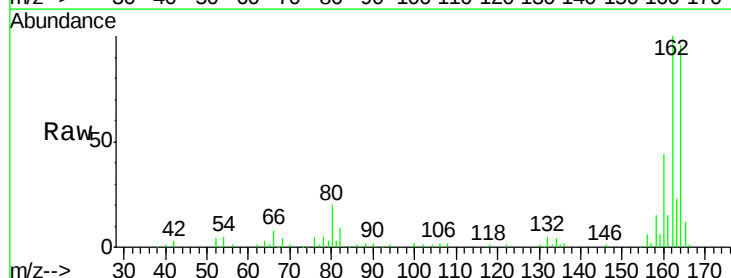
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-43-14.0-15.0

Tgt Ion: 82 Resp: 244914  
 Ion Ratio Lower Upper  
 82 100  
 128 37.2 32.5 48.7  
 54 50.3 38.8 58.2



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.54 min Scan# 696  
 Delta R.T. -0.00 min  
 Lab File: BF089420.D  
 Acq: 29 Jul 2016 20:36

Tgt Ion: 164 Resp: 80436  
 Ion Ratio Lower Upper  
 164 100  
 162 104.7 83.7 125.5  
 160 45.8 37.8 56.6

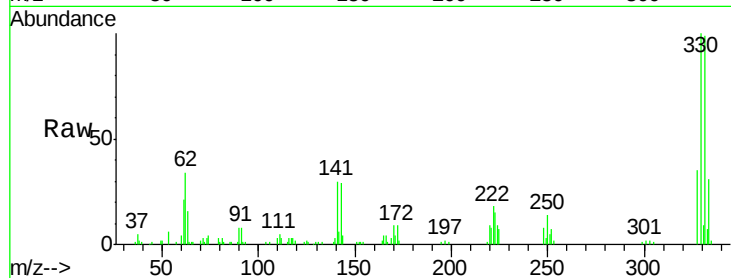




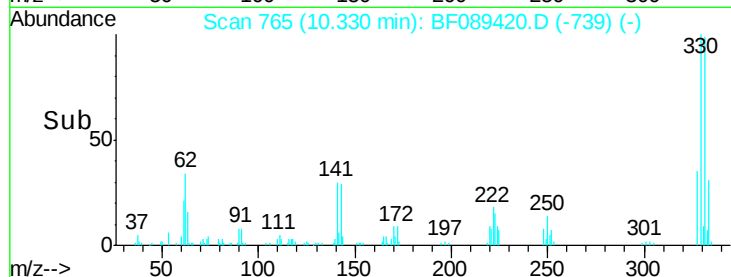
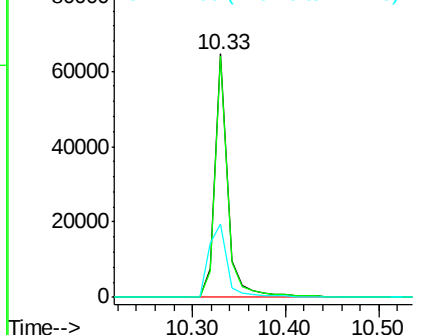
#41  
 2,4,6-Tribromophenol  
 Concen: 93.46 ng  
 RT: 10.33 min Scan# 765  
 Delta R.T. -0.00 min  
 Lab File: BF089420.D  
 Acq: 29 Jul 2016 20:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-43-14.0-15.0

Tgt Ion:330 Resp: 62260  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 76.8 115.2  
 141 43.5 37.3 55.9

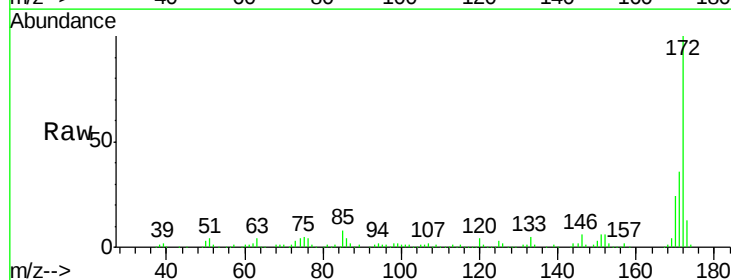


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

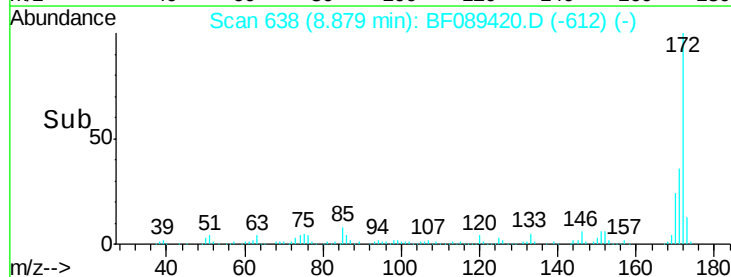
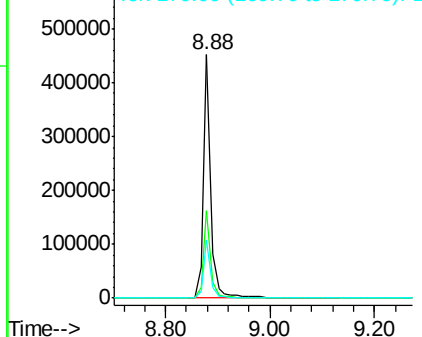


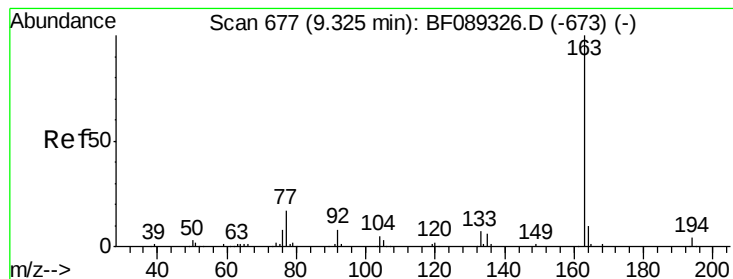
#44  
 2-Fluorobiphenyl  
 Concen: 81.48 ng  
 RT: 8.88 min Scan# 638  
 Delta R.T. -0.00 min  
 Lab File: BF089420.D  
 Acq: 29 Jul 2016 20:36

Tgt Ion:172 Resp: 446585  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.2 43.8  
 170 23.7 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





#49

Dimethylphthalate

Concen: 20.75 ng

RT: 9.28 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF089420.D

Acq: 29 Jul 2016 20:36

Instrument :

BNA\_F

ClientSampleId :

SB-43-14.0-15.0

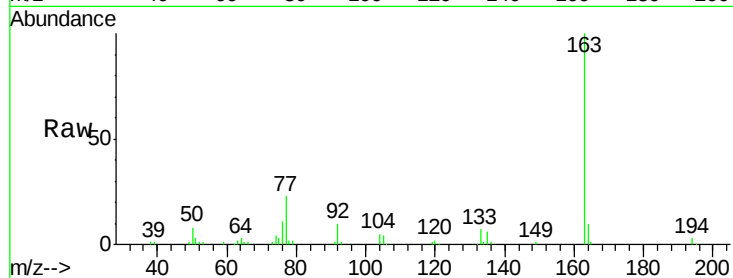
Tgt Ion:163 Resp: 127012

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

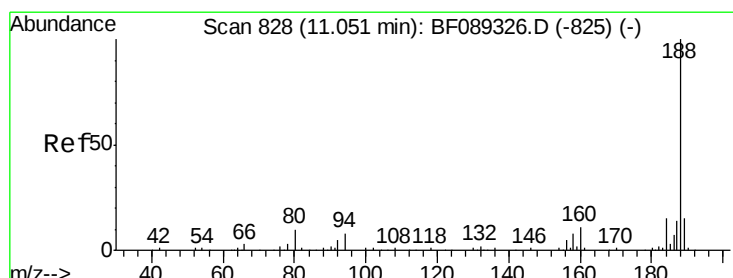
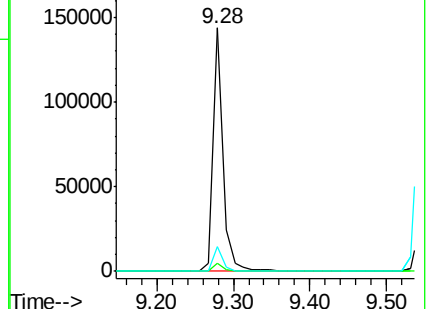
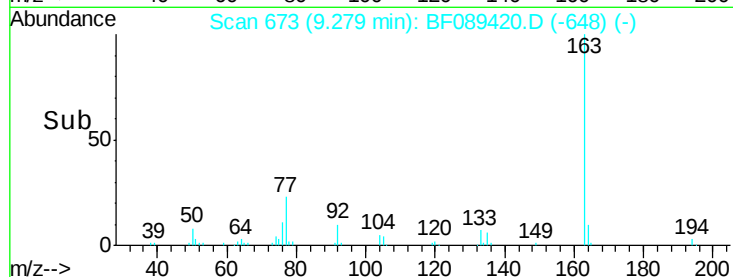
164 10.1 7.8 11.8



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: 11.02 min Scan# 825

Delta R.T. -0.00 min

Lab File: BF089420.D

Acq: 29 Jul 2016 20:36

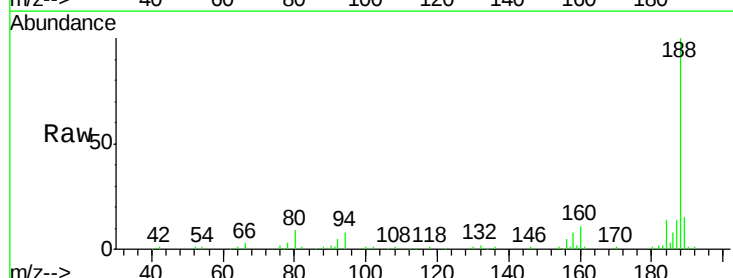
Tgt Ion:188 Resp: 120151

Ion Ratio Lower Upper

188 100

94 7.7 6.5 9.7

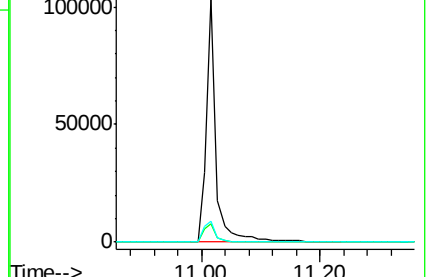
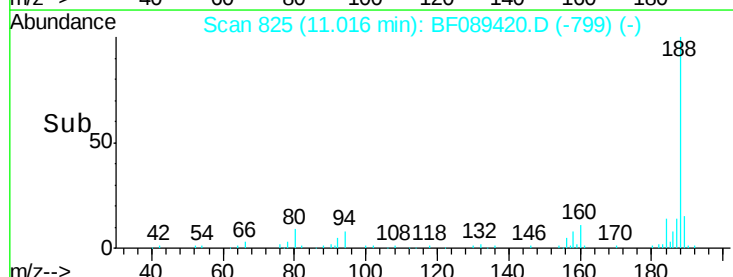
80 8.8 7.2 10.8



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: 13.63 min Scan# 1054

Delta R.T. -0.00 min

Lab File: BF089420.D

Acq: 29 Jul 2016 20:36

Instrument :

BNA\_F

ClientSampleId :

SB-43-14.0-15.0

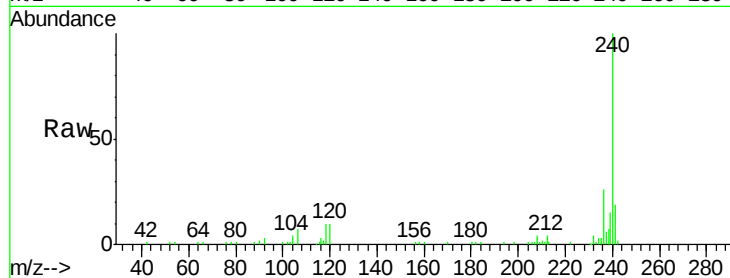
Tgt Ion:240 Resp: 83233

Ion Ratio Lower Upper

240 100

120 9.8 9.1 13.7

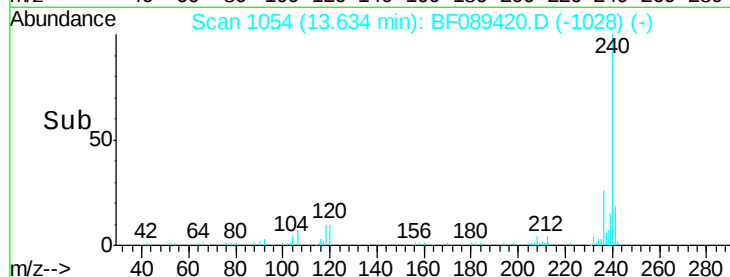
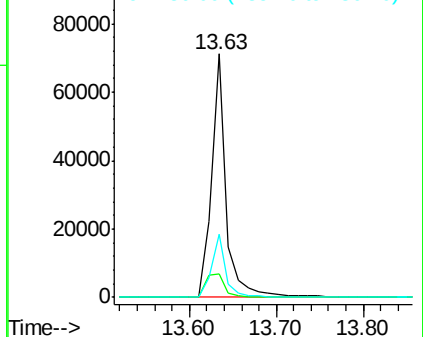
236 25.8 20.6 30.8



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: 74.29 ng

RT: 12.59 min Scan# 963

Delta R.T. -0.01 min

Lab File: BF089420.D

Acq: 29 Jul 2016 20:36

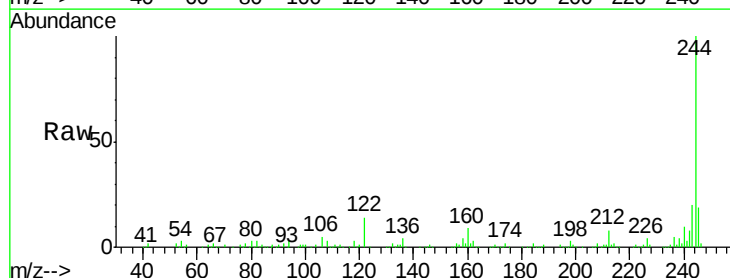
Tgt Ion:244 Resp: 264189

Ion Ratio Lower Upper

244 100

212 7.9 6.5 9.7

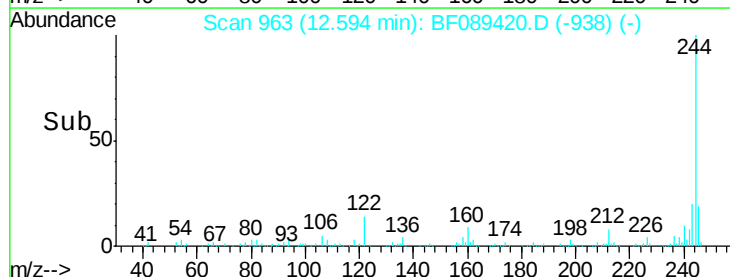
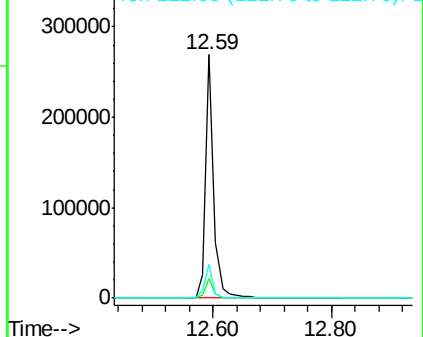
122 14.1 11.4 17.0

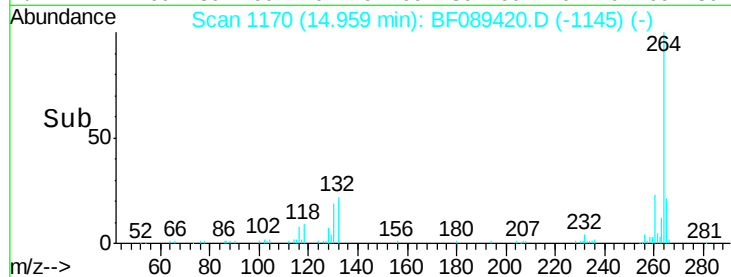
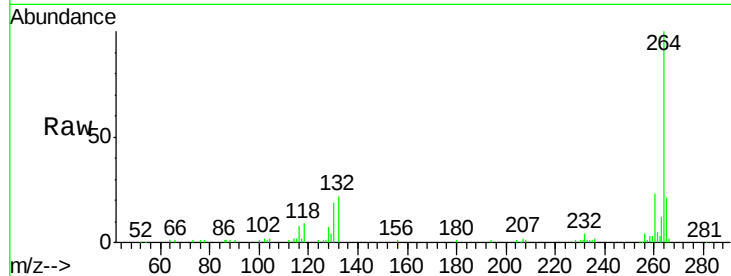
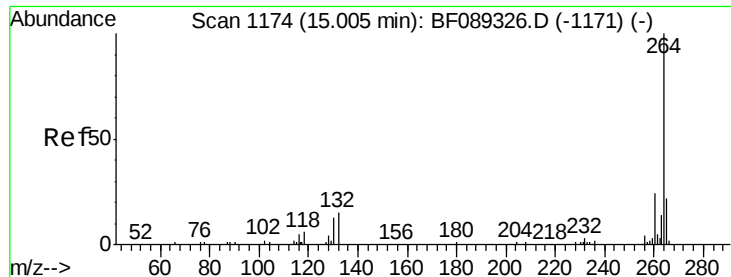


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 14.96 min Scan# 1170  
Delta R.T. -0.01 min  
Lab File: BF089420.D  
Acq: 29 Jul 2016 20:36

Instrument :  
BNA\_F  
ClientSampleId :  
SB-43-14.0-15.0

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 19.0  | 28.4  |
| 265     | 21.3  | 17.5  | 26.3  |

