

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090716\  
 Data File : BF090017.D  
 Acq On : 7 Sep 2016 21:02  
 Operator : UM/SJ  
 Sample : H4686-01  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-001

Quant Time: Sep 08 07:52:27 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF083116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Sep 02 13:29:08 2016  
 Response via : Initial Calibration

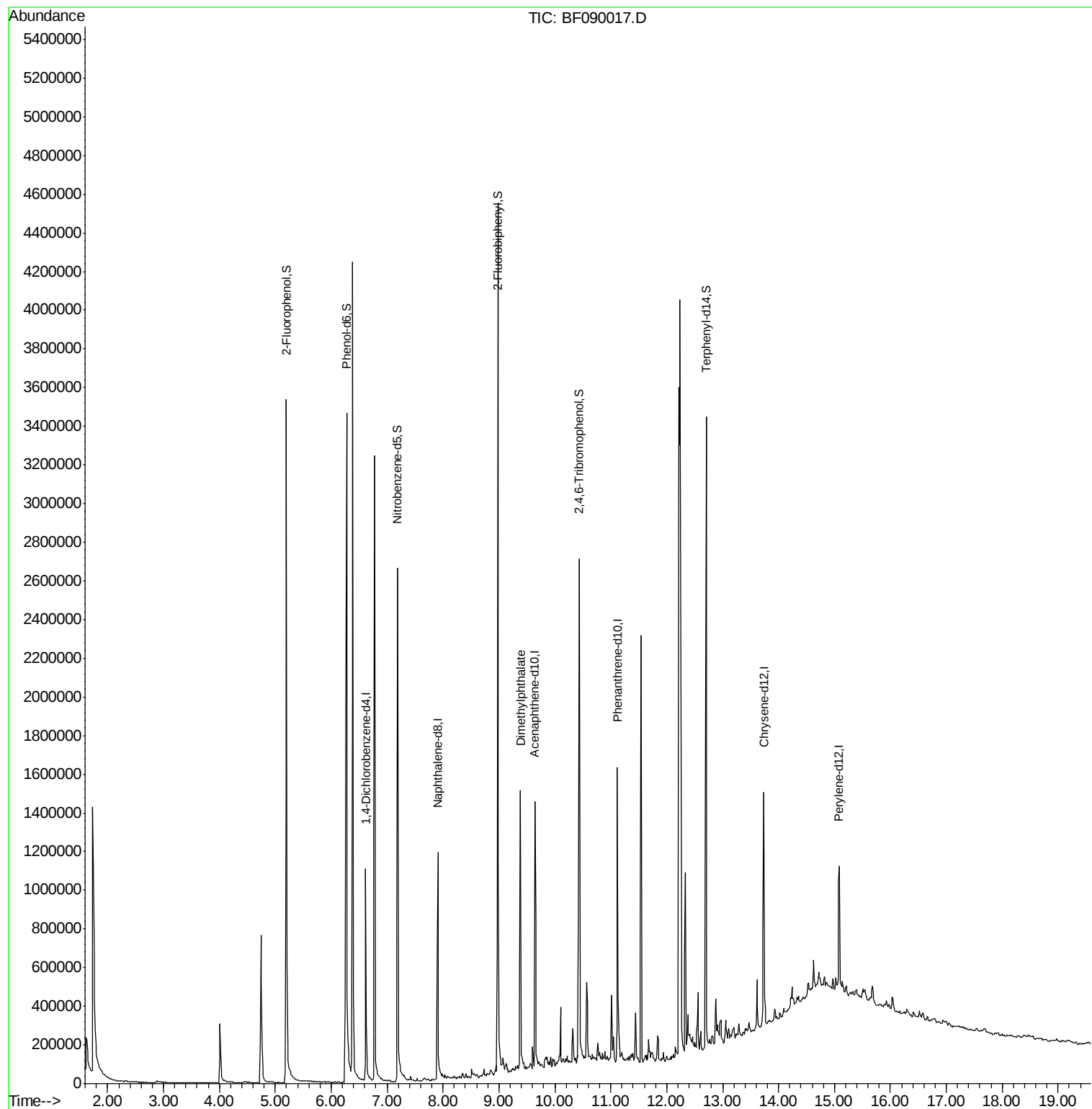
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.62  | 152  | 197768   | 20.00  | ng    | -0.02        |
| 21) Naphthalene-d8          | 7.91  | 136  | 784419   | 20.00  | ng    | -0.02        |
| 38) Acenaphthene-d10        | 9.64  | 164  | 355301   | 20.00  | ng    | -0.02        |
| 63) Phenanthrene-d10        | 11.12 | 188  | 624651   | 20.00  | ng    | -0.02        |
| 75) Chrysene-d12            | 13.74 | 240  | 456915   | 20.00  | ng    | -0.02        |
| 86) Perylene-d12            | 15.09 | 264  | 365806   | 20.00  | ng    | -0.01        |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.20  | 112  | 1283768  | 103.90 | ng    | -0.01        |
| 7) Phenol-d6                | 6.27  | 99   | 1822962  | 121.42 | ng    | -0.01        |
| 23) Nitrobenzene-d5         | 7.19  | 82   | 1002691  | 74.13  | ng    | -0.02        |
| 41) 2,4,6-Tribromophenol    | 10.43 | 330  | 341264   | 97.36  | ng    | -0.02        |
| 44) 2-Fluorobiphenyl        | 8.98  | 172  | 1609749  | 74.37  | ng    | -0.02        |
| 78) Terphenyl-d14           | 12.71 | 244  | 1294695  | 70.00  | ng    | -0.02        |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 9.38  | 163  | 624905   | 24.33  | ng    | Qvalue<br>99 |

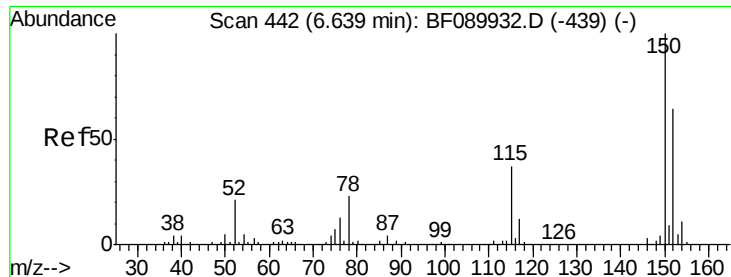
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF090716\  
Data File : BF090017.D  
Acq On : 7 Sep 2016 21:02  
Operator : UM/SJ  
Sample : H4686-01  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SP-001

Quant Time: Sep 08 07:52:27 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF083116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Sep 02 13:29:08 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.02 min

Lab File: BF090017.D

Acq: 7 Sep 2016 21:02

Instrument :

BNA\_F

ClientSampleId :

SP-001

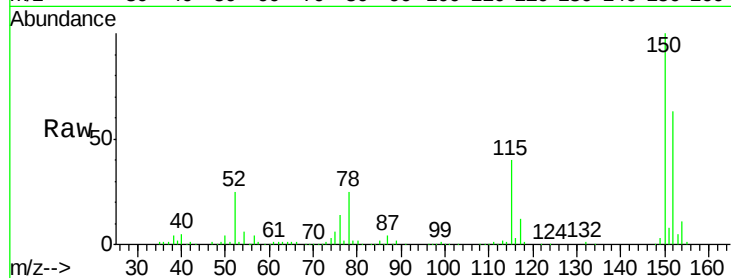
Tgt Ion:152 Resp: 197768

Ion Ratio Lower Upper

152 100

150 157.6 127.4 191.2

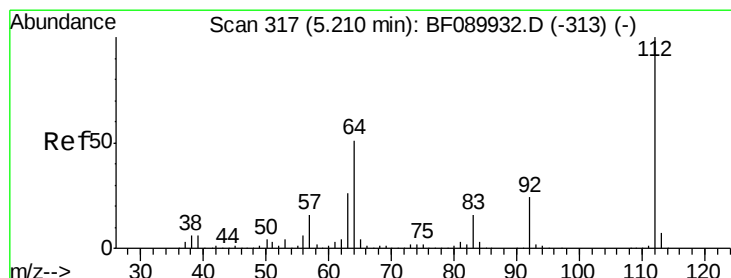
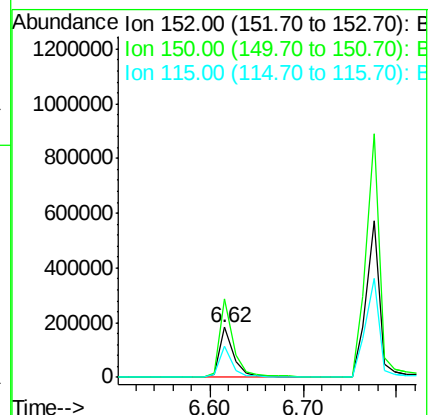
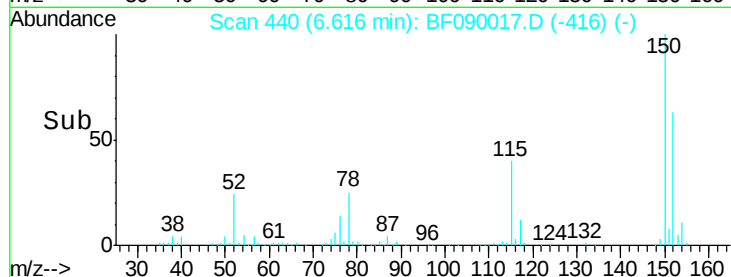
115 62.5 46.3 69.5



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



#5

2-Fluorophenol

Concen: 103.90 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.01 min

Lab File: BF090017.D

Acq: 7 Sep 2016 21:02

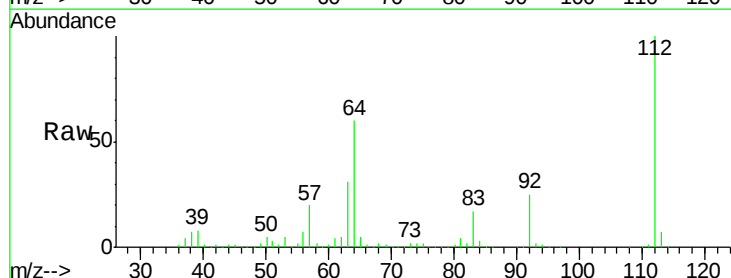
Tgt Ion:112 Resp: 1283768

Ion Ratio Lower Upper

112 100

64 59.7 41.1 61.7

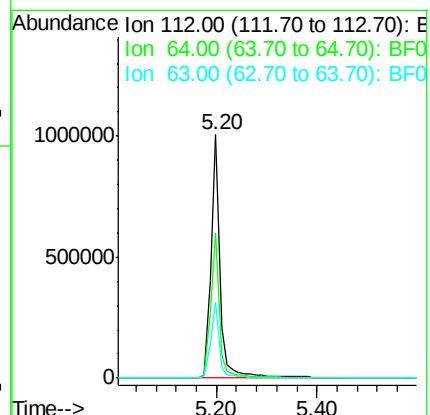
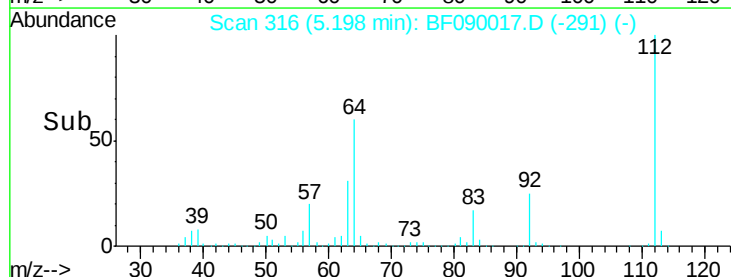
63 31.2 21.2 31.8

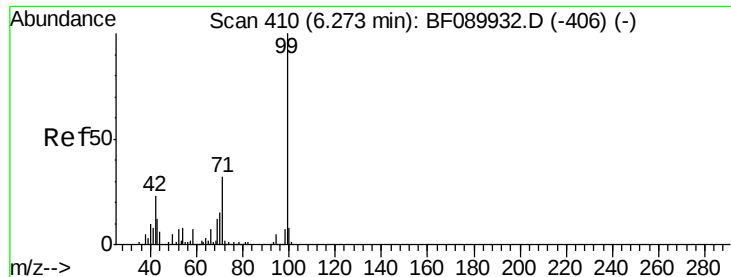


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 121.42 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF090017.D

Acq: 7 Sep 2016 21:02

Instrument :

BNA\_F

ClientSampleId :

SP-001

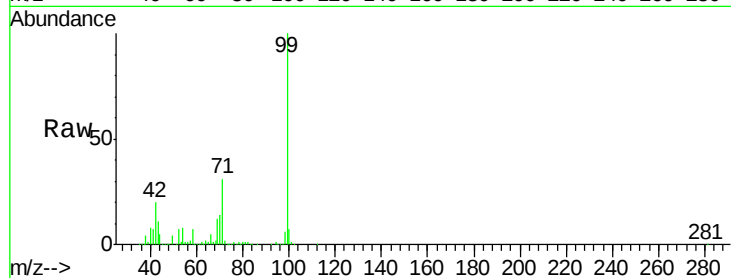
Tgt Ion: 99 Resp: 1822962

Ion Ratio Lower Upper

99 100

42 20.3 18.6 27.8

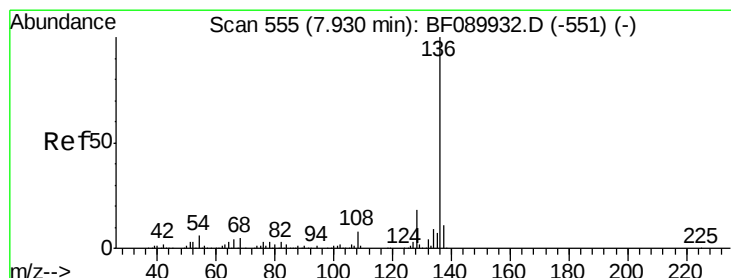
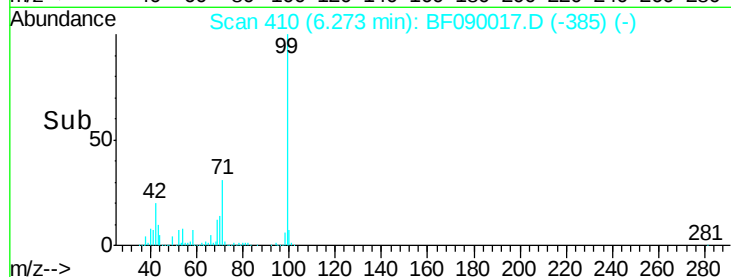
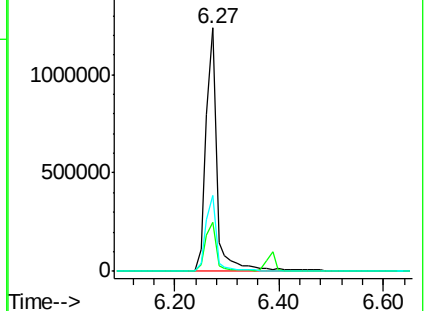
71 31.0 25.8 38.6



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.91 min Scan# 553

Delta R.T. -0.02 min

Lab File: BF090017.D

Acq: 7 Sep 2016 21:02

Tgt Ion: 136 Resp: 784419

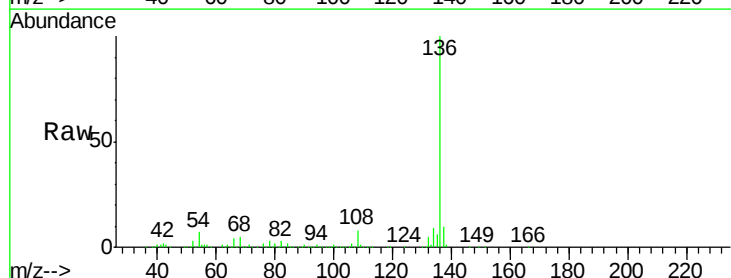
Ion Ratio Lower Upper

136 100

137 10.5 8.3 12.5

54 6.7 4.8 7.2

68 4.8 3.7 5.5

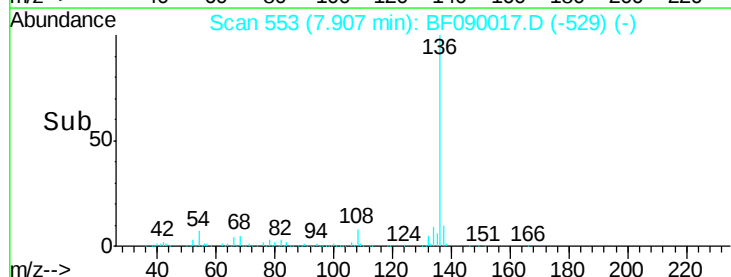
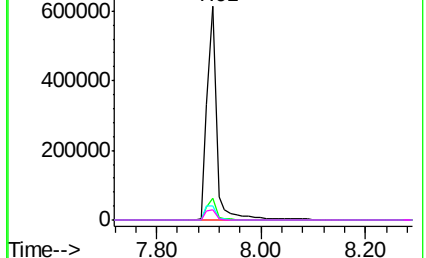


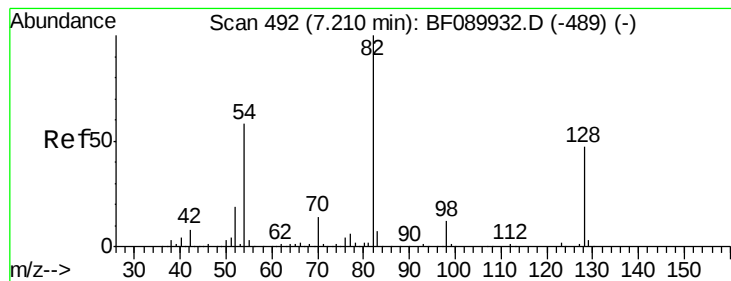
Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.13 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.02 min

Lab File: BF090017.D

Acq: 7 Sep 2016 21:02

Instrument :

BNA\_F

ClientSampleId :

SP-001

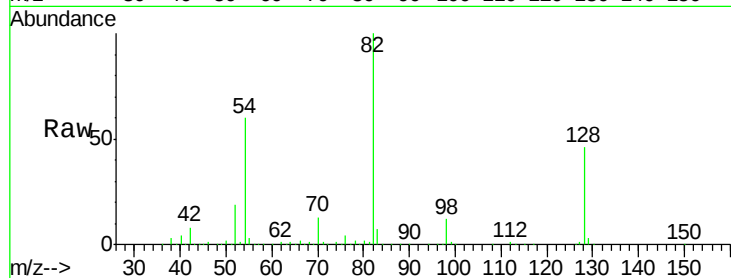
Tgt Ion: 82 Resp: 1002691

Ion Ratio Lower Upper

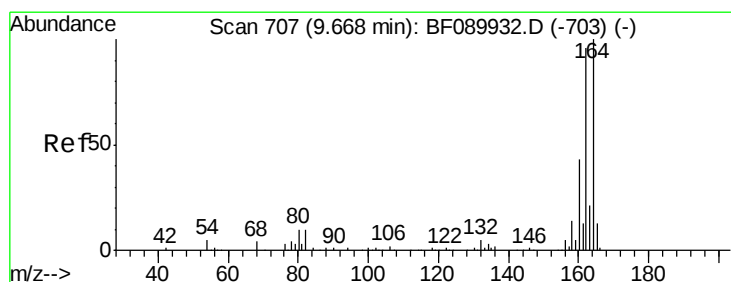
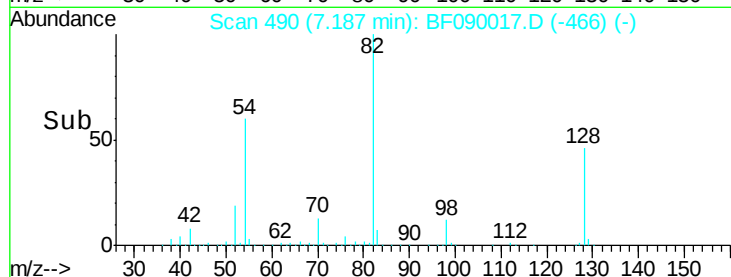
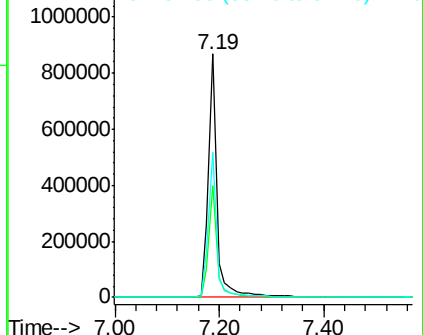
82 100

128 46.1 37.8 56.8

54 59.7 46.9 70.3



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: 9.64 min Scan# 705

Delta R.T. -0.02 min

Lab File: BF090017.D

Acq: 7 Sep 2016 21:02

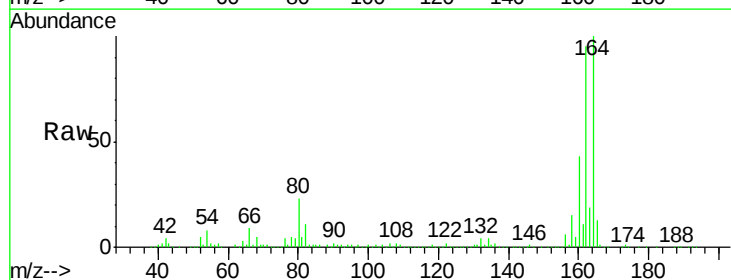
Tgt Ion: 164 Resp: 355301

Ion Ratio Lower Upper

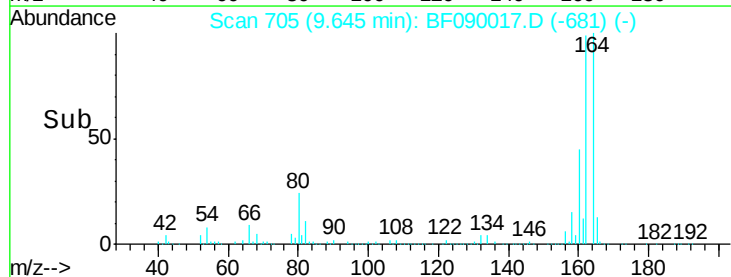
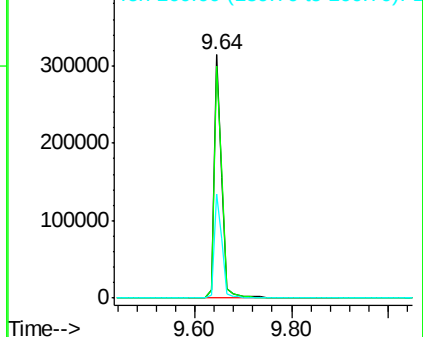
164 100

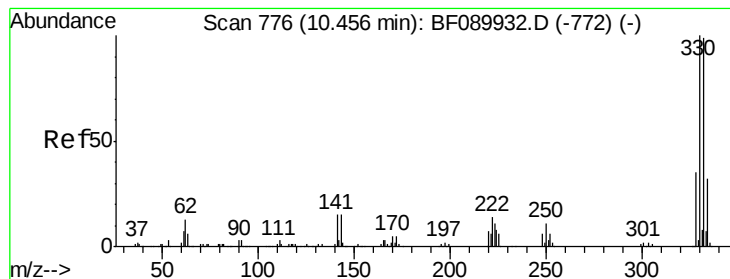
162 95.3 77.1 115.7

160 43.0 35.3 52.9



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: 97.36 ng

RT: 10.43 min Scan# 774

Delta R.T. -0.02 min

Lab File: BF090017.D

Acq: 7 Sep 2016 21:02

Instrument :

BNA\_F

ClientSampleId :

SP-001

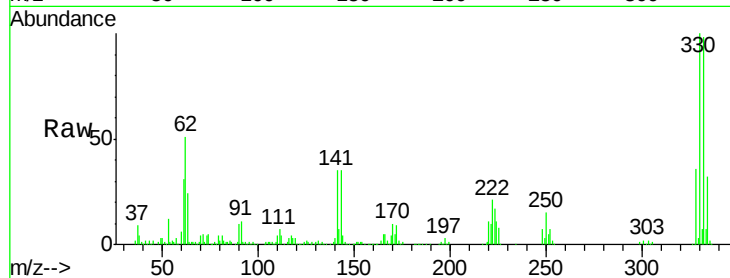
Tgt Ion:330 Resp: 341264

Ion Ratio Lower Upper

330 100

332 98.1 78.6 117.8

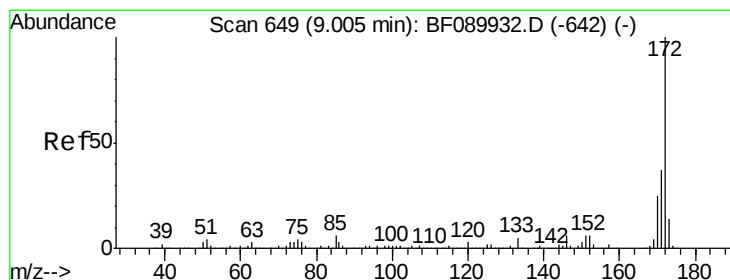
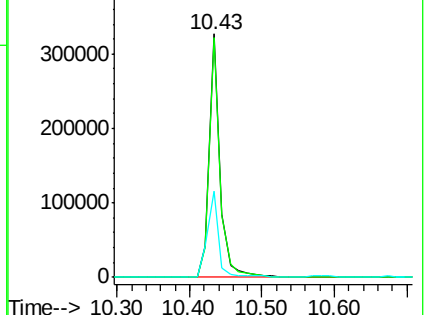
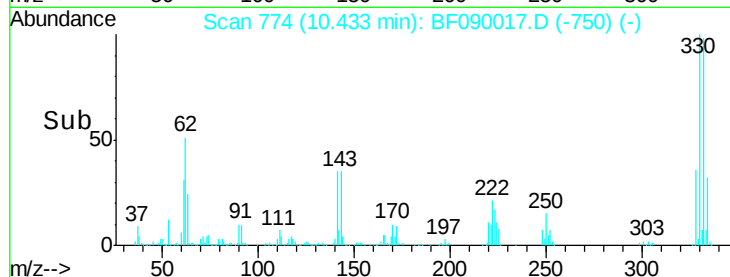
141 36.4 23.3 34.9#



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: 74.37 ng

RT: 8.98 min Scan# 647

Delta R.T. -0.02 min

Lab File: BF090017.D

Acq: 7 Sep 2016 21:02

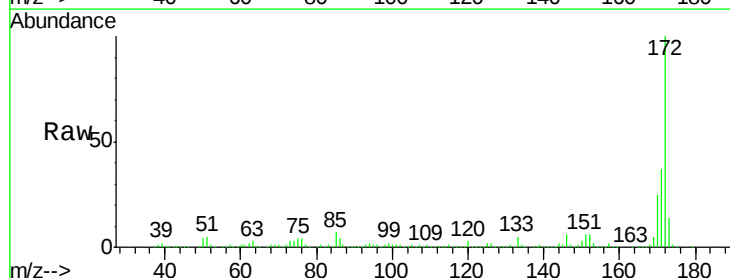
Tgt Ion:172 Resp: 1609749

Ion Ratio Lower Upper

172 100

171 36.5 29.4 44.2

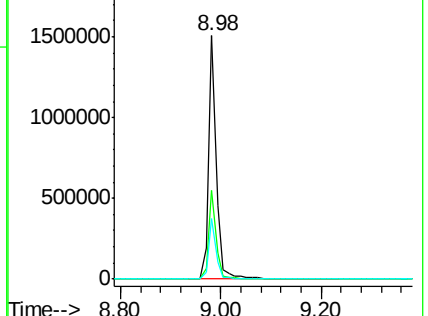
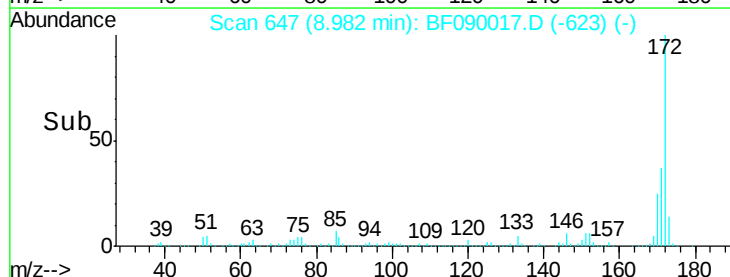
170 24.9 20.1 30.1

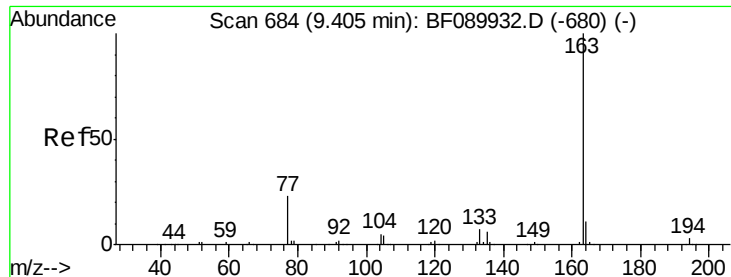


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 24.33 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.03 min

Lab File: BF090017.D

Acq: 7 Sep 2016 21:02

Instrument :

BNA\_F

ClientSampleId :

SP-001

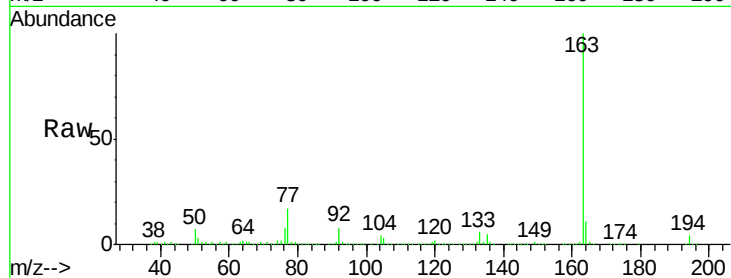
Tgt Ion:163 Resp: 624905

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

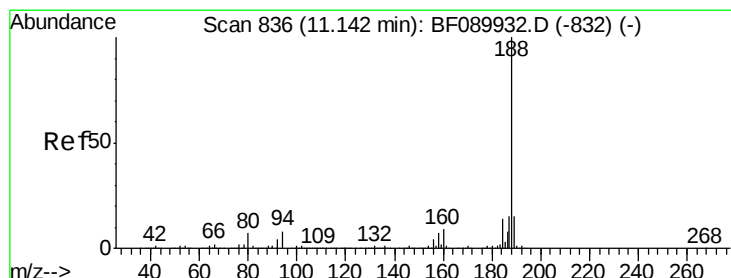
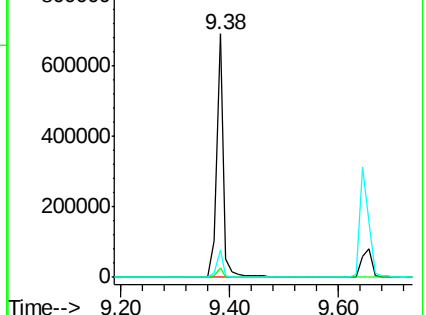
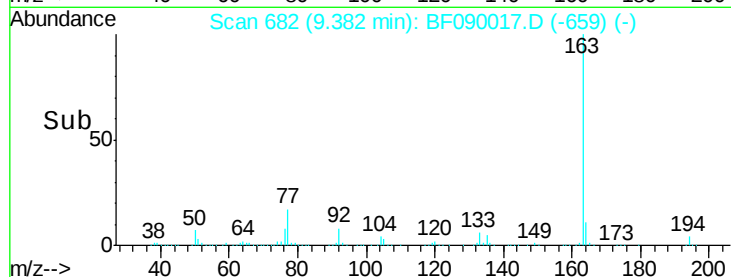
164 11.0 9.0 13.4



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: 11.12 min Scan# 834

Delta R.T. -0.02 min

Lab File: BF090017.D

Acq: 7 Sep 2016 21:02

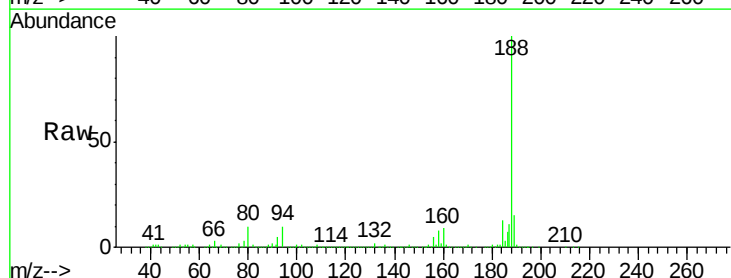
Tgt Ion:188 Resp: 624651

Ion Ratio Lower Upper

188 100

94 9.5 5.9 8.9#

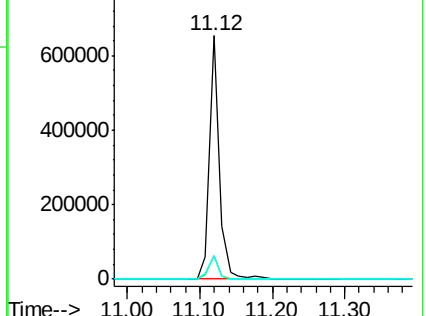
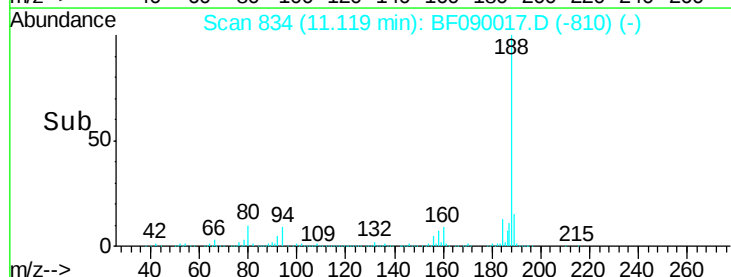
80 9.7 5.8 8.8#

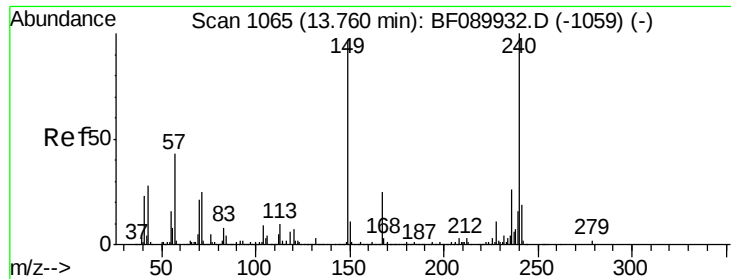


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.74 min Scan# 1063

Delta R.T. -0.02 min

Lab File: BF090017.D

Acq: 7 Sep 2016 21:02

Instrument :

BNA\_F

ClientSampleId :

SP-001

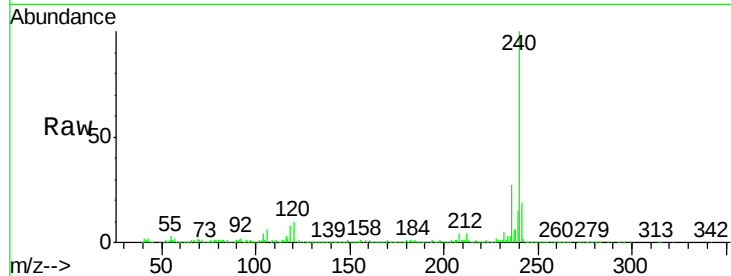
Tgt Ion:240 Resp: 456915

Ion Ratio Lower Upper

240 100

120 9.7 5.7 8.5#

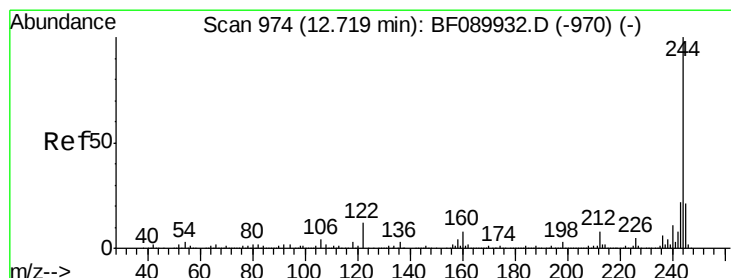
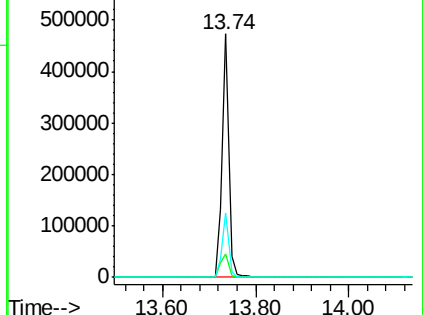
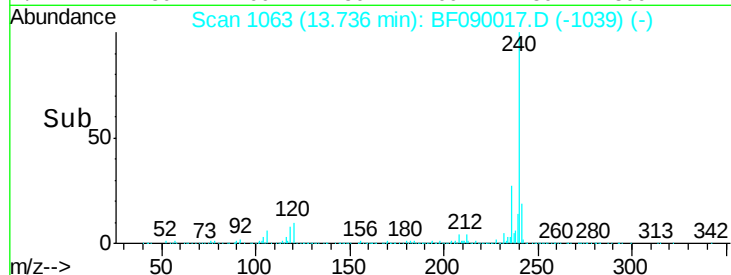
236 26.7 21.3 31.9



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: 70.00 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.02 min

Lab File: BF090017.D

Acq: 7 Sep 2016 21:02

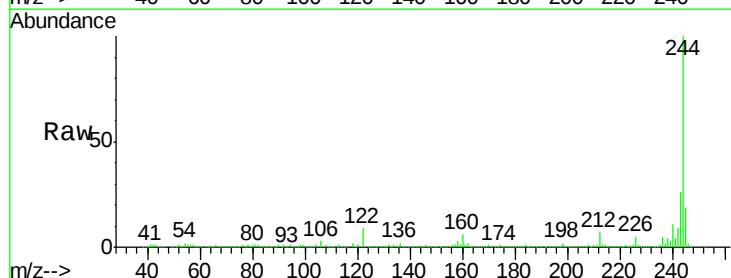
Tgt Ion:244 Resp: 1294695

Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

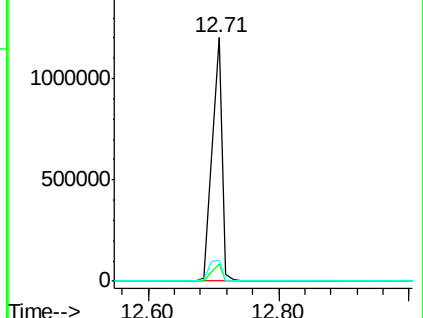
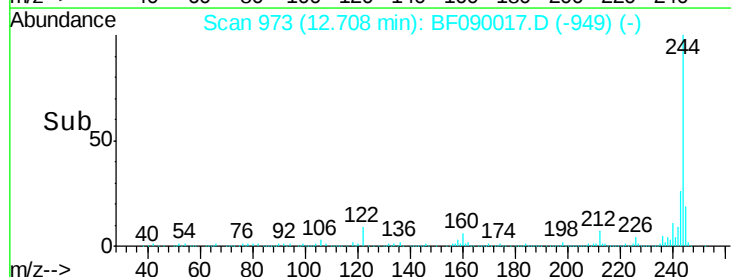
122 8.6 9.6 14.4#

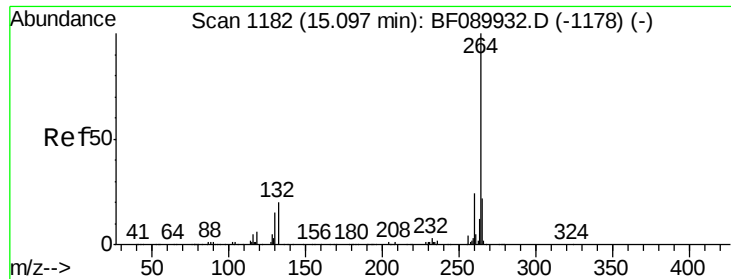


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

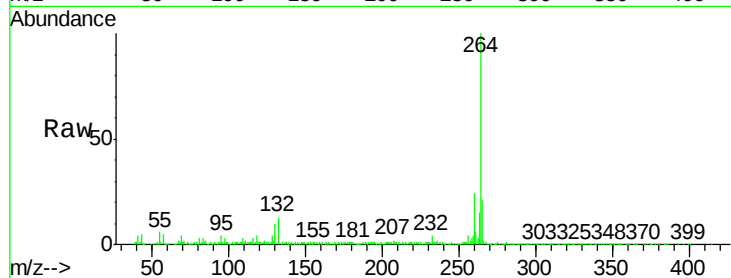




#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.09 min Scan# 1181  
Delta R.T. -0.01 min  
Lab File: BF090017.D  
Acq: 7 Sep 2016 21:02

Instrument :  
BNA\_F  
ClientSampleId :  
SP-001

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 19.4  | 29.0  |
| 265     | 21.2  | 17.4  | 26.2  |



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

