

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072017\  
 Data File : BM010929.D  
 Acq On : 21 Jul 2017 03:29  
 Operator : SJ/JU  
 Sample : I4258-03  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 OK-02-071817-A

Quant Time: Jul 21 04:38:07 2017  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM071217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 12 14:21:16 2017  
 Response via : Initial Calibration

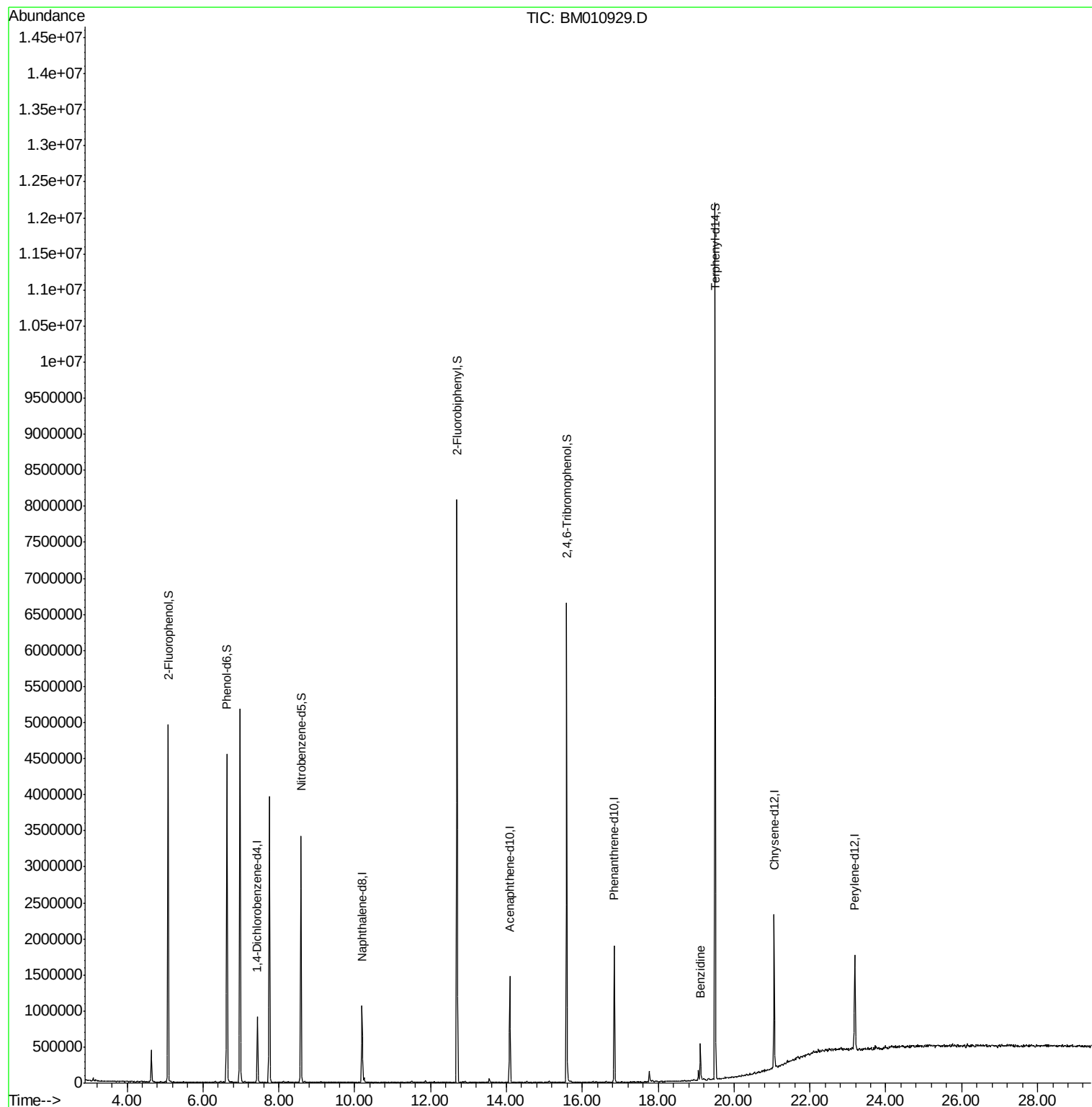
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.43  | 152  | 183885   | 20.00  | ng    | -0.02     |
| 21) Naphthalene-d8          | 10.19 | 136  | 671336   | 20.00  | ng    | -0.02     |
| 38) Acenaphthene-d10        | 14.09 | 164  | 417123   | 20.00  | ng    | -0.01     |
| 63) Phenanthrene-d10        | 16.84 | 188  | 986554   | 20.00  | ng    | -0.01     |
| 75) Chrysene-d12            | 21.06 | 240  | 951633   | 20.00  | ng    | -0.01     |
| 86) Perylene-d12            | 23.19 | 264  | 964355   | 20.00  | ng    | -0.01     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.08  | 112  | 1571050  | 141.52 | ng    | 0.00      |
| 7) Phenol-d6                | 6.63  | 99   | 1897063  | 123.96 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 8.58  | 82   | 1806726  | 103.44 | ng    | -0.01     |
| 41) 2,4,6-Tribromophenol    | 15.59 | 330  | 921541   | 144.57 | ng    | -0.01     |
| 44) 2-Fluorobiphenyl        | 12.70 | 172  | 3506919  | 104.59 | ng    | -0.01     |
| 78) Terphenyl-d14           | 19.50 | 244  | 4501865  | 91.50  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 76) Benzidine               | 19.12 | 184  | 261373   | 10.264 | ng    | Qvalue 98 |

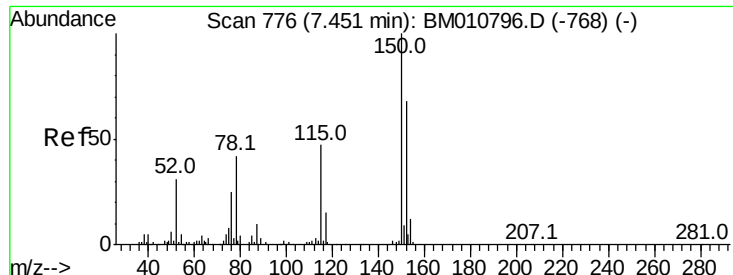
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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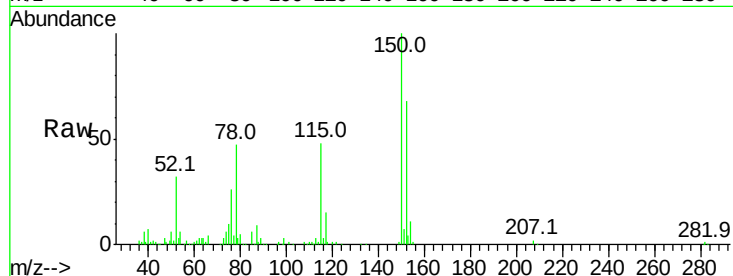


#1

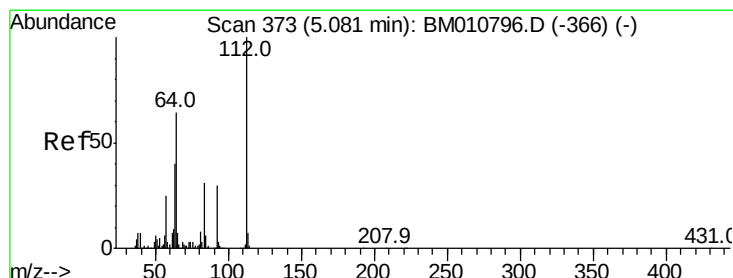
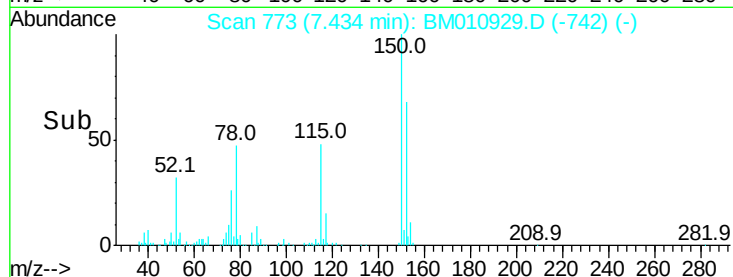
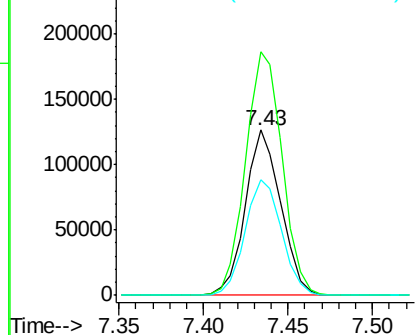
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.43 min Scan# 773  
Delta R.T. -0.02 min  
Lab File: BM010929.D  
Acq: 21 Jul 2017 03:29

Instrument :  
BNA\_M  
ClientSampleId :  
OK-02-071817-A

Tot Ion:152 Resp: 183885  
Ion Ratio Lower Upper  
152 100  
150 147.4 119.5 179.3  
115 70.0 43.0 64.4#



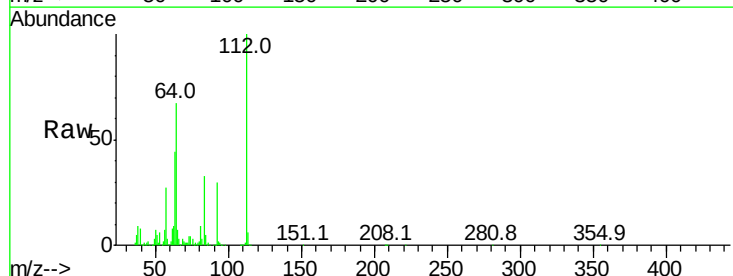
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



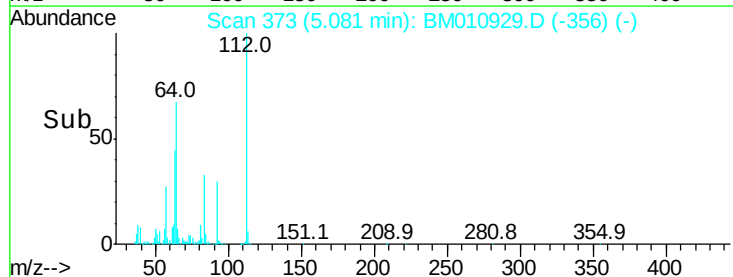
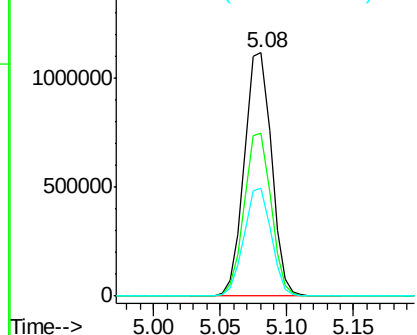
#5

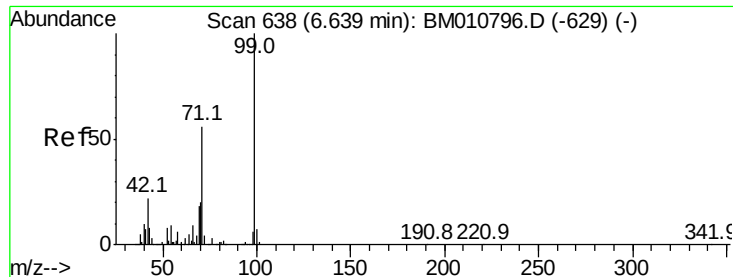
2-Fluorophenol  
Concen: 141.525 ng  
RT: 5.08 min Scan# 373  
Delta R.T. 0.00 min  
Lab File: BM010929.D  
Acq: 21 Jul 2017 03:29

Tgt Ion:112 Resp: 1571050  
Ion Ratio Lower Upper  
112 100  
64 67.1 38.6 57.8#  
63 44.4 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BM0  
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 123.962 ng

RT: 6.63 min Scan# 637

Delta R.T. -0.01 min

Lab File: BM010929.D

Acq: 21 Jul 2017 03:29

Instrument :

BNA\_M

ClientSampleId :

OK-02-071817-A

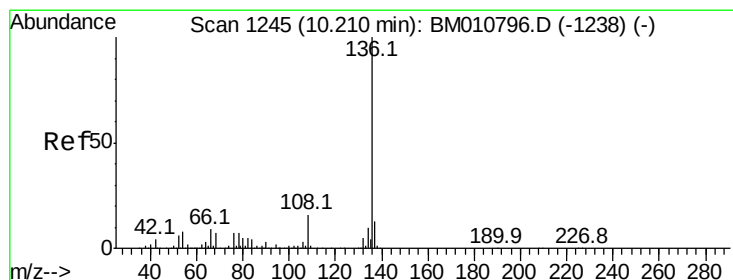
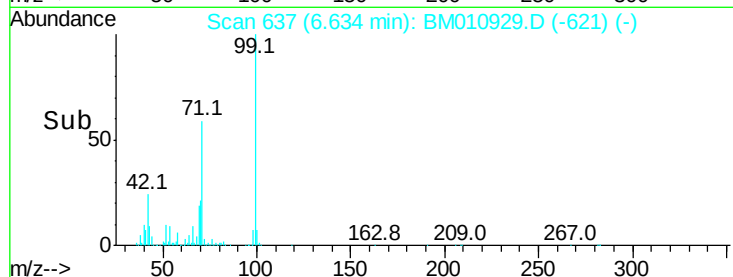
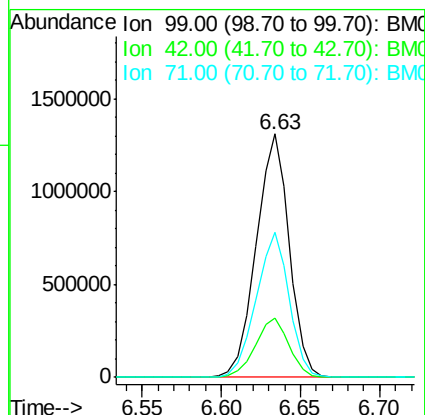
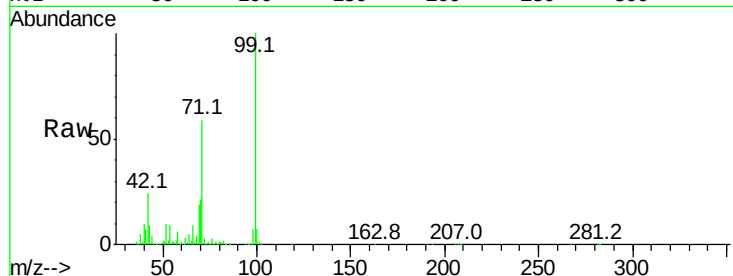
Tot Ion: 99 Resp: 1897063

Ion Ratio Lower Upper

99 100

42 24.1 11.0 16.4#

71 59.3 23.4 35.2#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.19 min Scan# 1242

Delta R.T. -0.02 min

Lab File: BM010929.D

Acq: 21 Jul 2017 03:29

Tgt Ion: 136 Resp: 671336

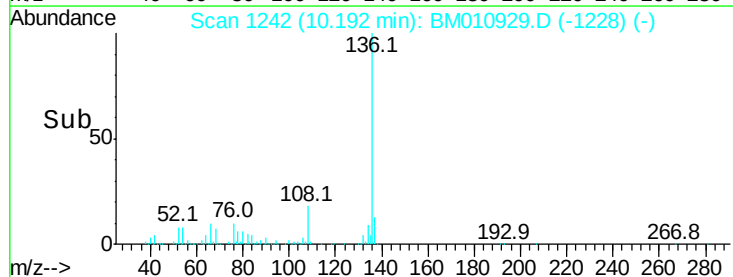
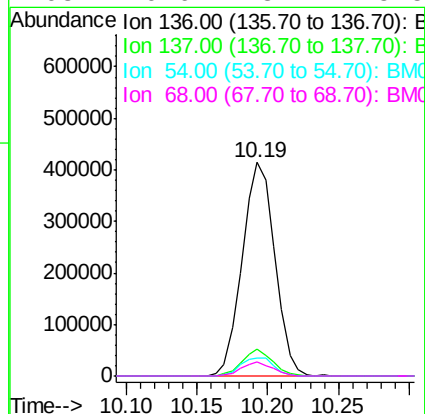
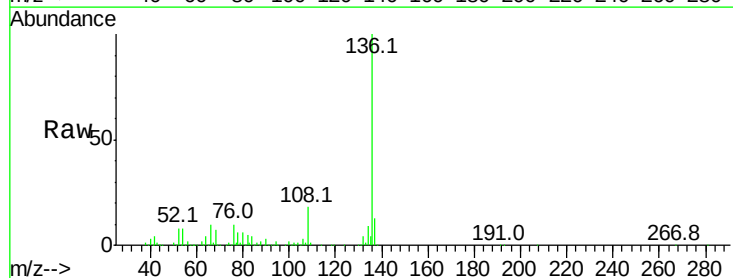
Ion Ratio Lower Upper

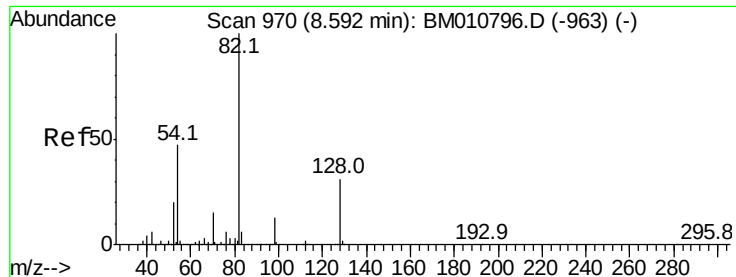
136 100

137 12.6 8.7 13.1

54 8.1 4.6 6.8#

68 6.6 3.7 5.5#





#23

Nitrobenzene-d5

Concen: 103.445 ng

RT: 8.58 min Scan# 968

Delta R.T. -0.01 min

Lab File: BM010929.D

Acq: 21 Jul 2017 03:29

Instrument :

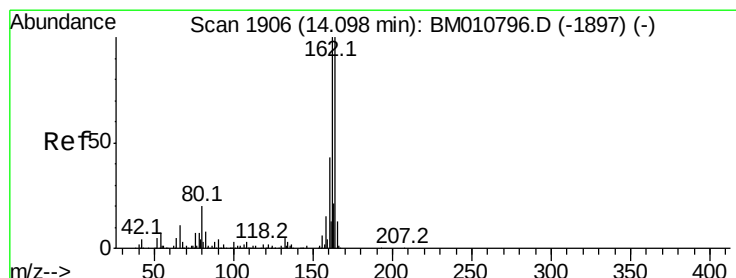
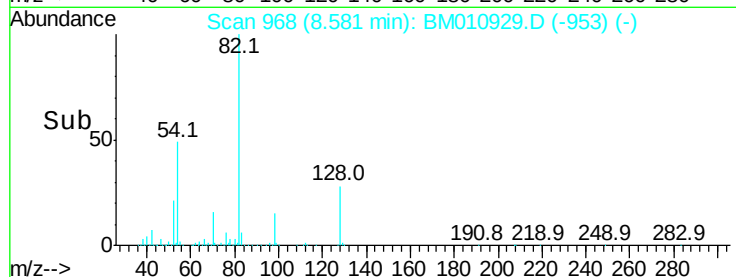
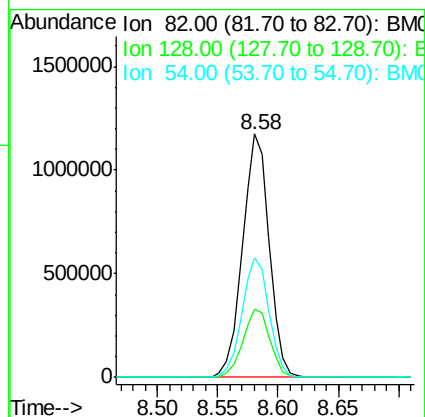
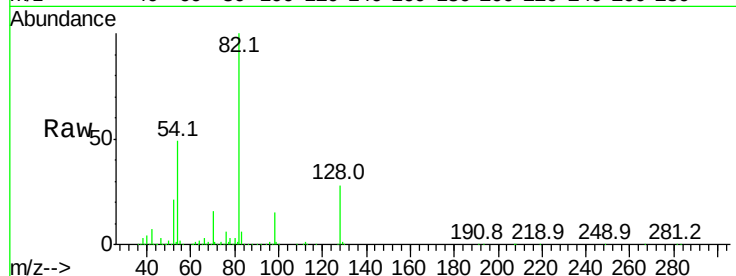
BNA\_M

ClientSampleId :

OK-02-071817-A

Tot Ion: 82 Resp: 1806726

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 27.8  | 32.8  | 49.2# |
| 54  | 49.3  | 40.6  | 60.8  |



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.09 min Scan# 1904

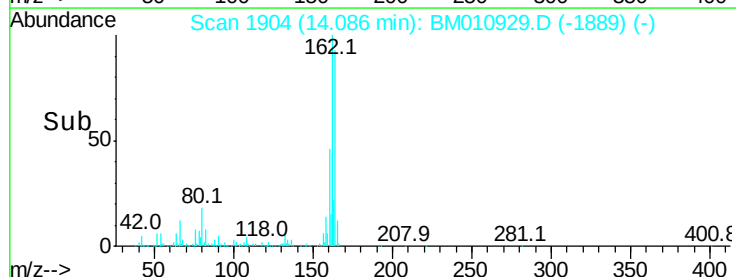
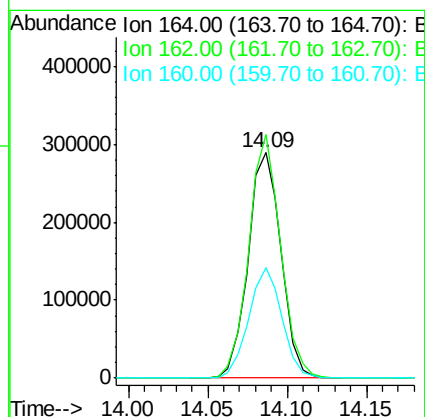
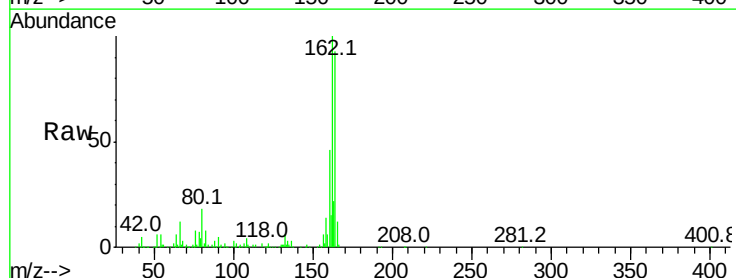
Delta R.T. -0.01 min

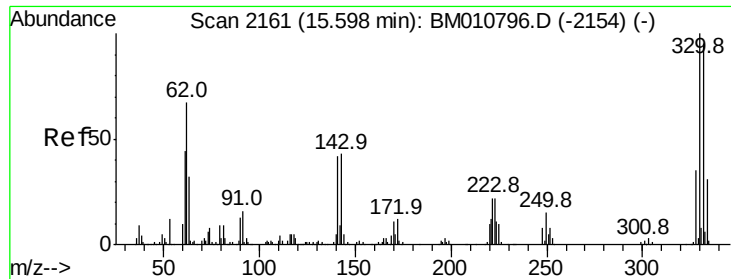
Lab File: BM010929.D

Acq: 21 Jul 2017 03:29

Tgt Ion: 164 Resp: 417123

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 107.9 | 82.4  | 123.6 |
| 160 | 49.2  | 35.8  | 53.6  |





#41

2,4,6-Tribromophenol

Concen: 144.568 ng

RT: 15.59 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BM010929.D

Acq: 21 Jul 2017 03:29

Instrument :

BNA\_M

ClientSampleId :

OK-02-071817-A

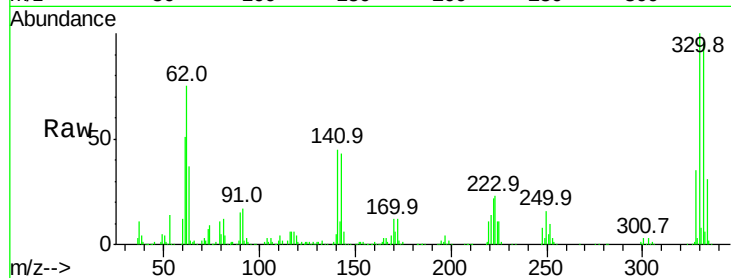
Tot Ion:330 Resp: 921541

Ion Ratio Lower Upper

330 100

332 97.1 0.0 0.0#

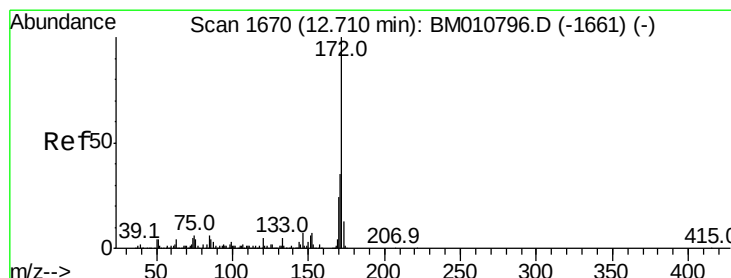
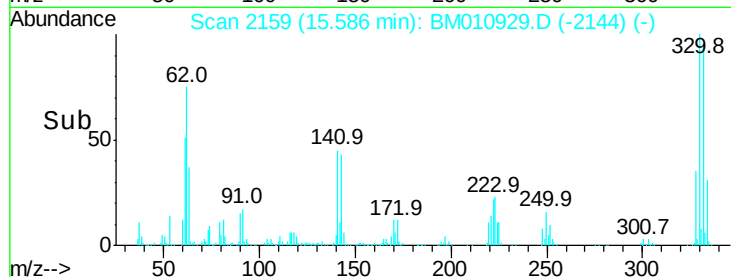
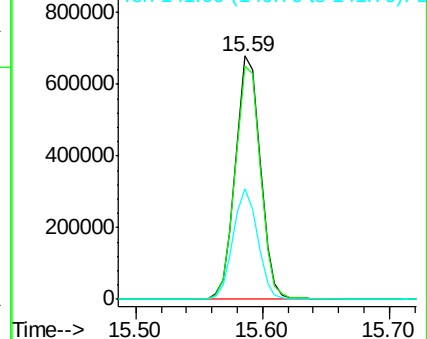
141 44.7 0.0 0.0#



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: 104.590 ng

RT: 12.70 min Scan# 1668

Delta R.T. -0.01 min

Lab File: BM010929.D

Acq: 21 Jul 2017 03:29

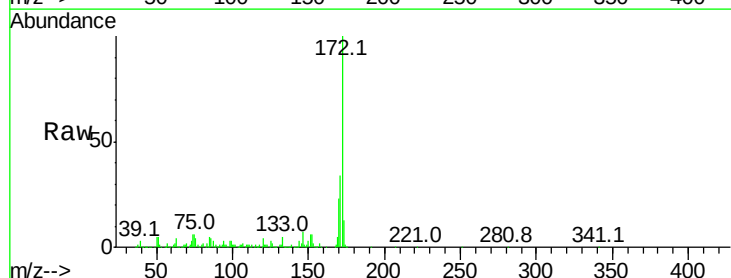
Tgt Ion:172 Resp: 3506919

Ion Ratio Lower Upper

172 100

171 34.4 28.5 42.7

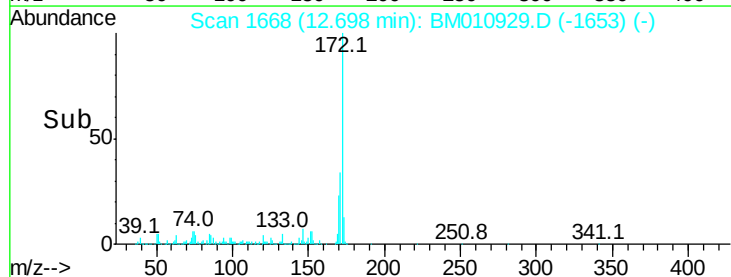
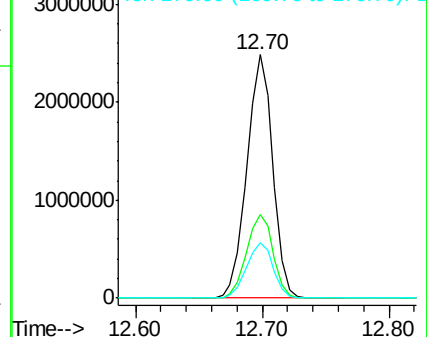
170 23.0 18.8 28.2

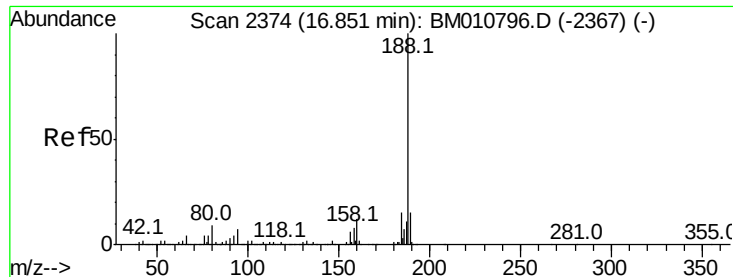


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.84 min Scan# 2372

Delta R.T. -0.01 min

Lab File: BM010929.D

Acq: 21 Jul 2017 03:29

Instrument :

BNA\_M

ClientSampleId :

OK-02-071817-A

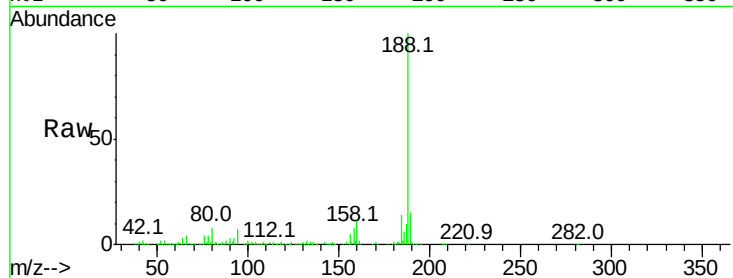
Tot Ion:188 Resp: 986554

Ion Ratio Lower Upper

188 100

94 7.4 8.7 13.1#

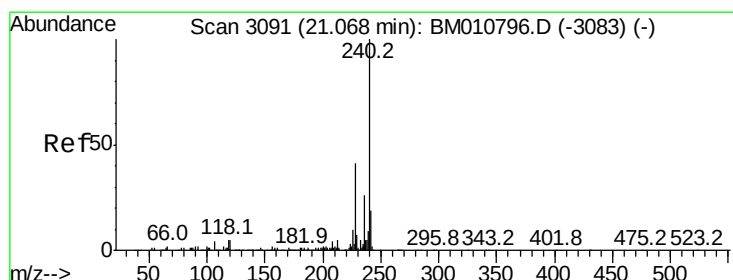
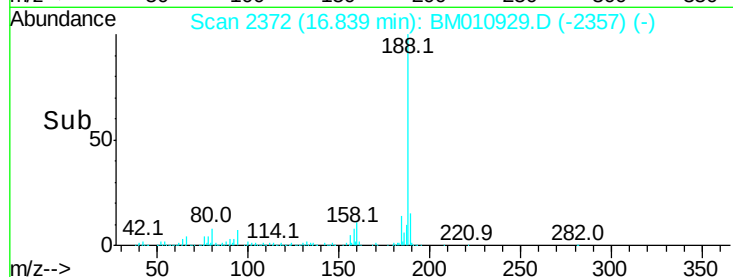
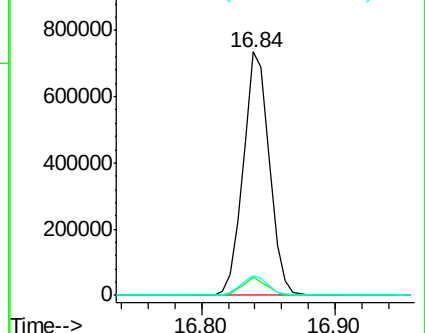
80 8.1 9.3 13.9#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.06 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BM010929.D

Acq: 21 Jul 2017 03:29

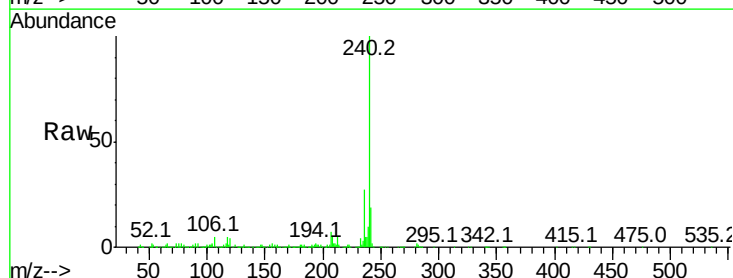
Tgt Ion:240 Resp: 951633

Ion Ratio Lower Upper

240 100

120 4.1 8.2 12.2#

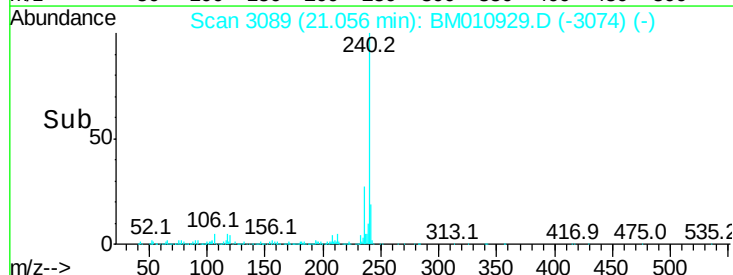
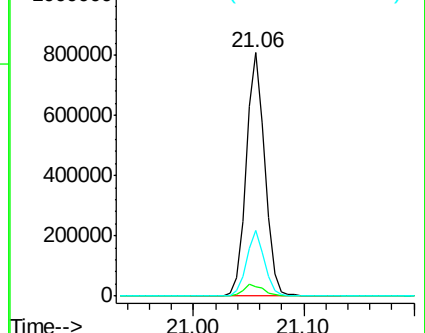
236 26.8 20.0 30.0

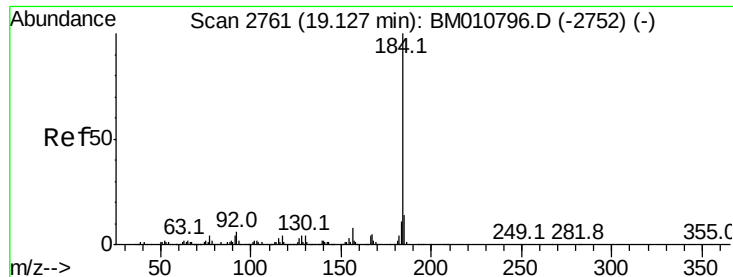


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 10.264 ng

RT: 19.12 min Scan# 2759

Delta R.T. -0.01 min

Lab File: BM010929.D

Acq: 21 Jul 2017 03:29

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ClientSampleId :

OK-02-071817-A

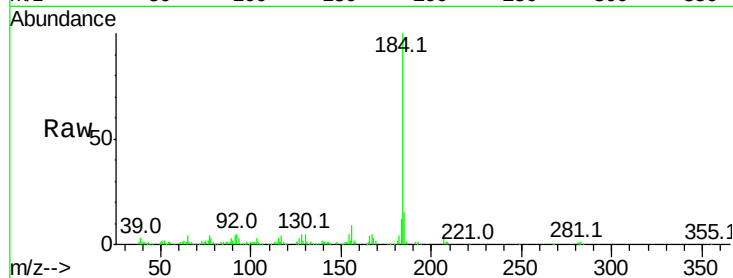
Tot Ion:184 Resp: 261373

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 185 | 14.8  | 11.3  | 16.9  |
| 183 | 12.1  | 8.9   | 13.3  |

184 100

185 14.8 11.3 16.9

183 12.1 8.9 13.3



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

250000

200000

150000

100000

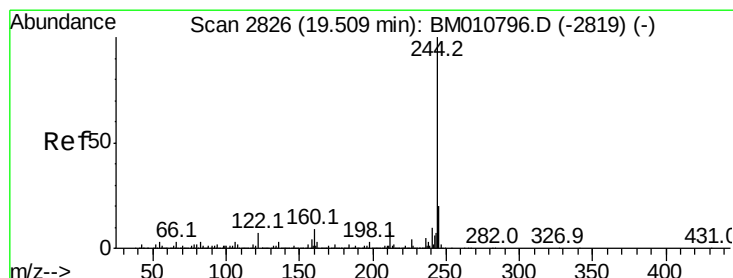
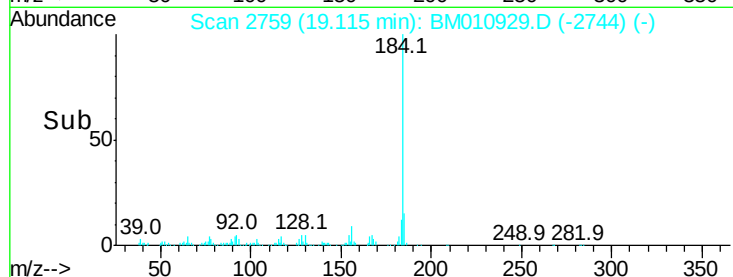
50000

0

19.12

19.00 19.10 19.20

Time-->



#78

Terphenyl-d14

Concen: 91.496 ng

RT: 19.50 min Scan# 2825

Delta R.T. -0.01 min

Lab File: BM010929.D

Acq: 21 Jul 2017 03:29

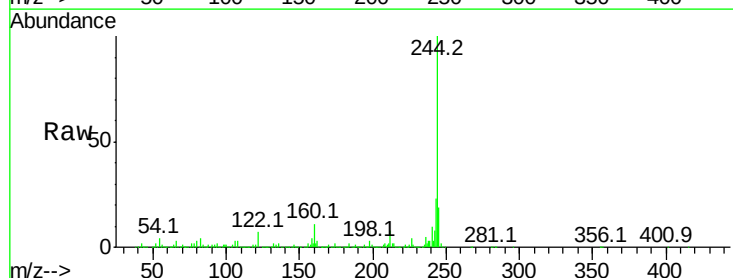
Tgt Ion:244 Resp: 4501865

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.5   | 4.9   | 7.3#  |
| 122 | 6.5   | 6.2   | 9.4   |

244 100

212 8.5 4.9 7.3#

122 6.5 6.2 9.4



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

5000000

4000000

3000000

2000000

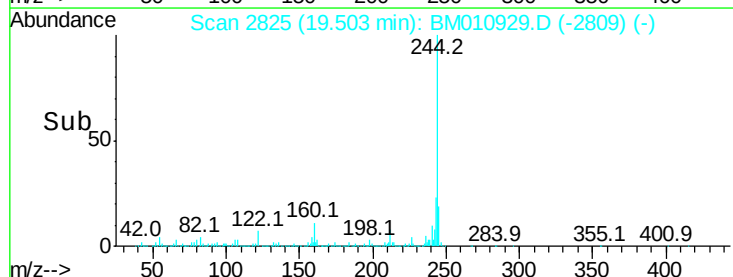
1000000

0

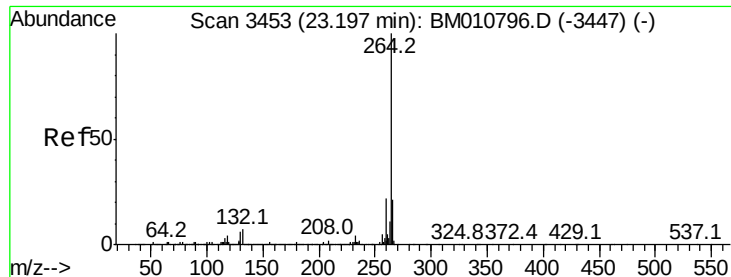
19.50

19.45 19.50 19.55

Time-->



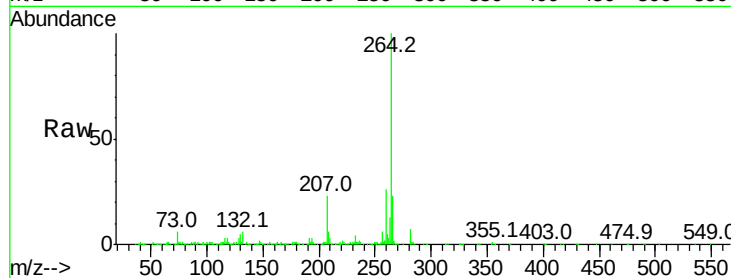




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 23.19 min Scan# 3451  
Delta R.T. -0.01 min  
Lab File: BM010929.D  
Acq: 21 Jul 2017 03:29

Instrument :  
BNA\_M  
ClientSampleId :  
OK-02-071817-A

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 964355 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 25.5  | 18.6  | 27.8   |
| 265      | 22.6  | 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

