

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072017\  
 Data File : BM010935.D  
 Acq On : 21 Jul 2017 10:11  
 Operator : SJ/JU  
 Sample : I4258-06  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Jul 21 12:14:17 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  | 181281   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.19 | 136  | 663573   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.09 | 164  | 438672   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 16.84 | 188  | 1108099  | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.06 | 240  | 1118963  | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 23.18 | 264  | 983812   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.08  | 112  | 1532146  | 140.00 | ng    | 0.00     |
| 7) Phenol-d6                | 6.63  | 99   | 1909235  | 126.55 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.58  | 82   | 1793652  | 103.90 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 15.59 | 330  | 1058624  | 157.92 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 12.70 | 172  | 3538826  | 100.36 | ng    | -0.01    |
| 78) Terphenyl-d14           | 19.50 | 244  | 5649493  | 97.65  | ng    | 0.00     |

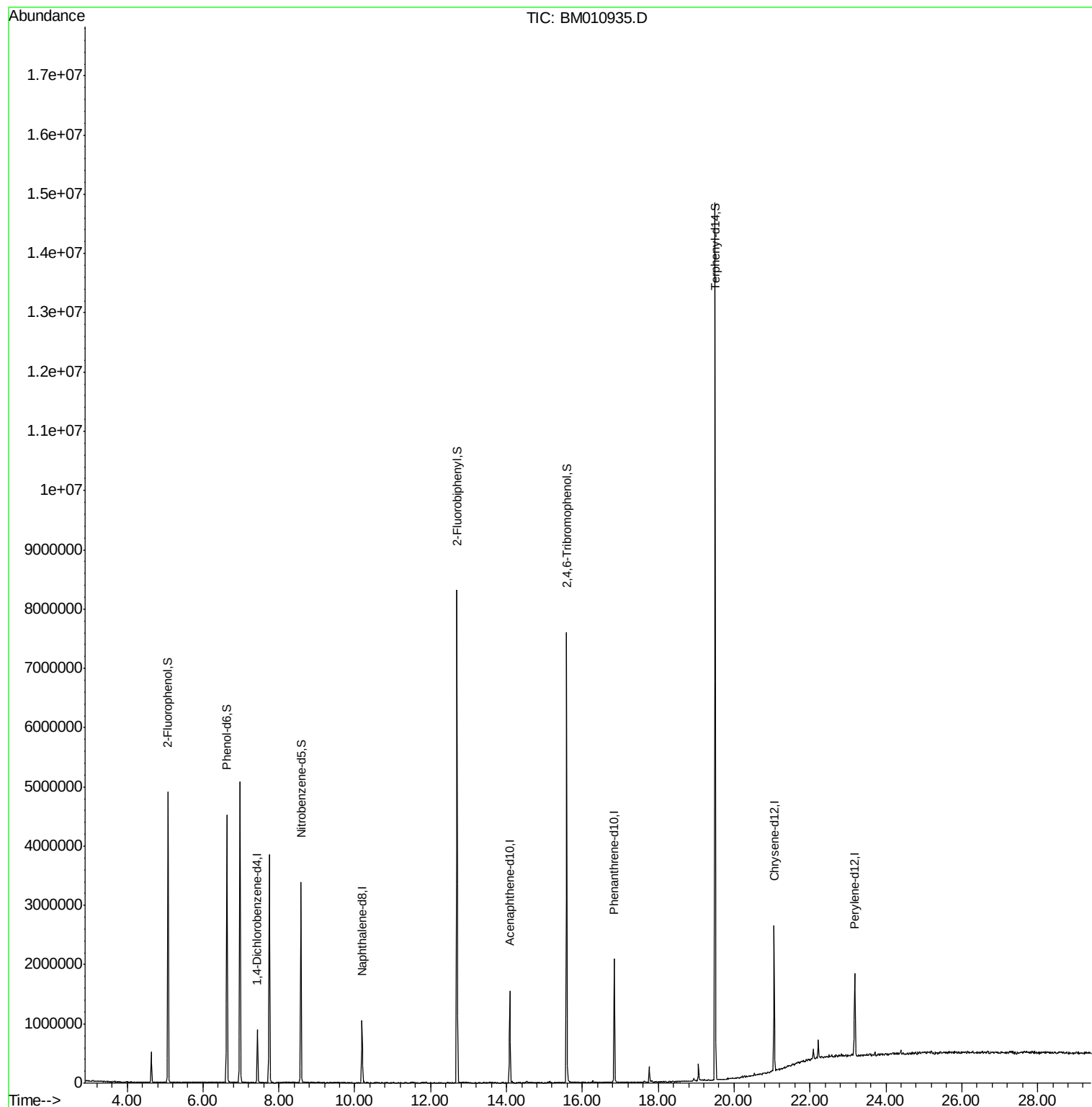
Target Compounds Qvalue

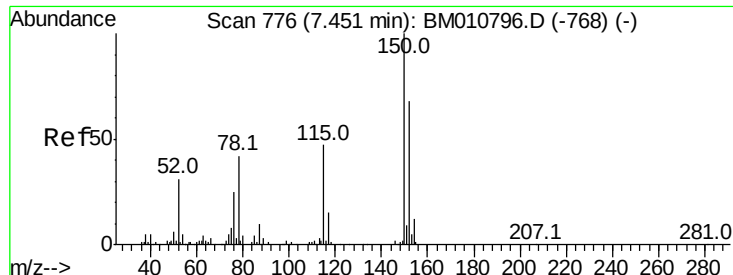
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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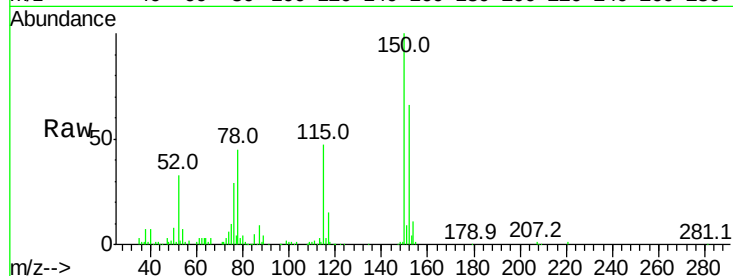


#1

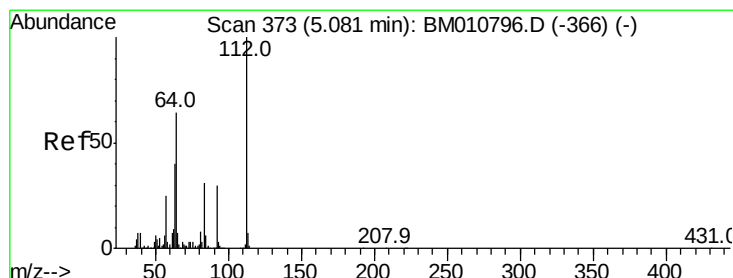
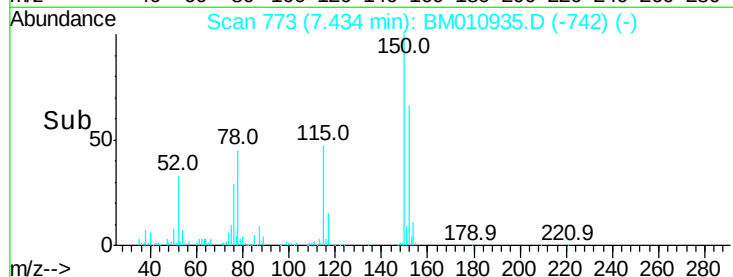
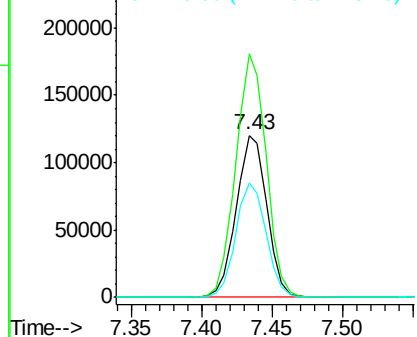
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.43 min Scan# 773  
Delta R.T. -0.02 min  
Lab File: BM010935.D  
Acq: 21 Jul 2017 10:11

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

Tot Ion:152 Resp: 181281  
Ion Ratio Lower Upper  
152 100  
150 150.4 119.5 179.3  
115 70.3 43.0 64.4#



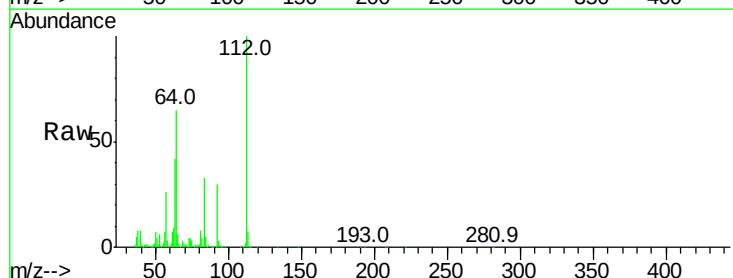
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



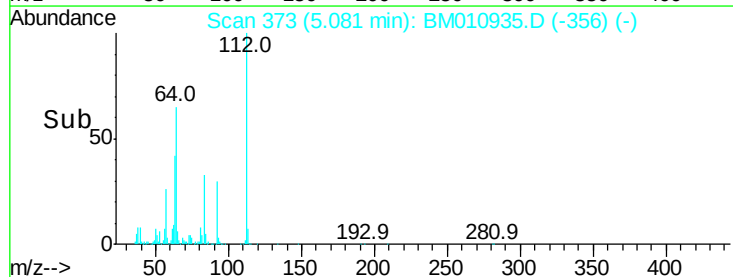
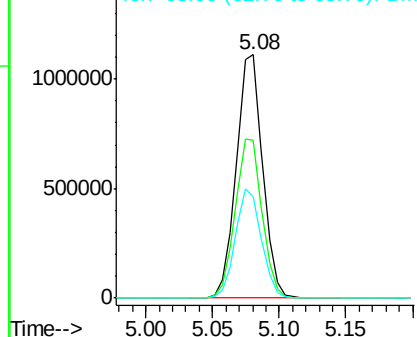
#5

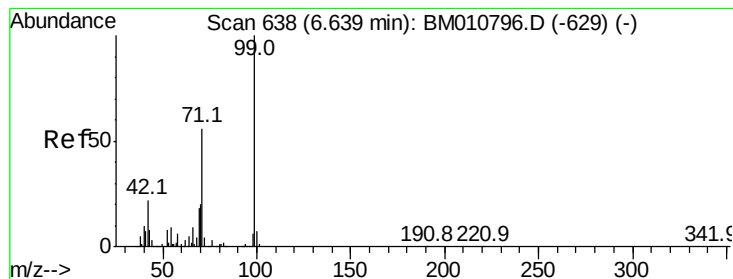
2-Fluorophenol  
Concen: 140.003 ng  
RT: 5.08 min Scan# 373  
Delta R.T. 0.00 min  
Lab File: BM010935.D  
Acq: 21 Jul 2017 10:11

Tgt Ion:112 Resp: 1532146  
Ion Ratio Lower Upper  
112 100  
64 64.7 38.6 57.8#  
63 41.6 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: 126.550 ng

RT: 6.63 min Scan# 637

Delta R.T. -0.01 min

Lab File: BM010935.D

Acq: 21 Jul 2017 10:11

Instrument :

BNA\_M

ClientSampleId :

OK-02-071817-B

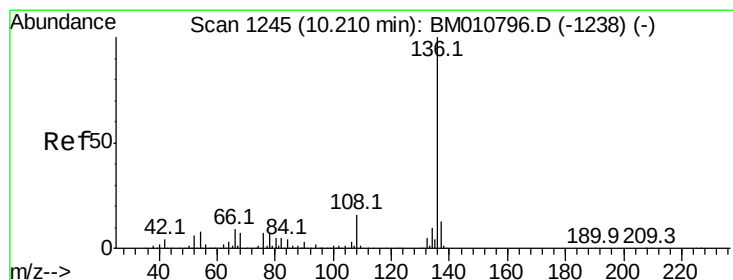
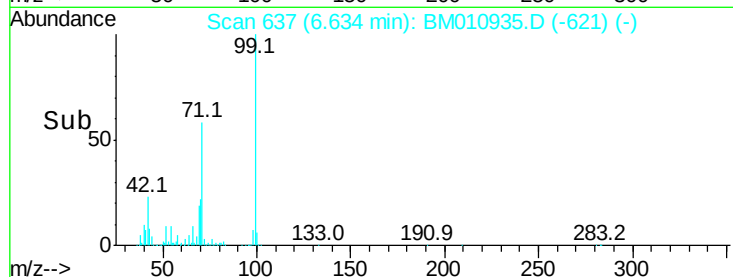
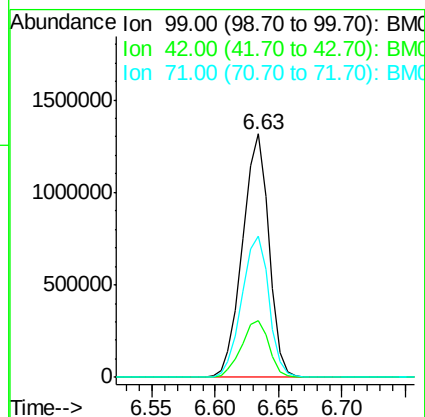
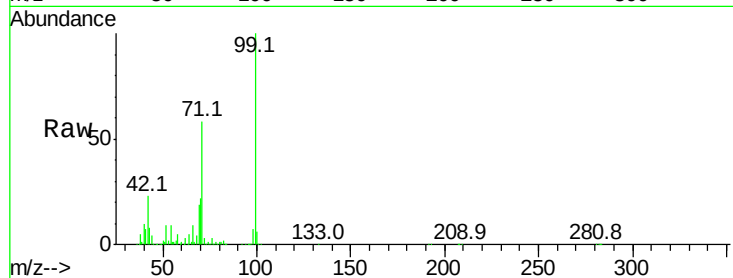
Tot Ion: 99 Resp: 1909235

Ion Ratio Lower Upper

99 100

42 23.4 11.0 16.4#

71 57.9 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: BM010935.D

Acq: 21 Jul 2017 10:11

Tgt Ion: 136 Resp: 663573

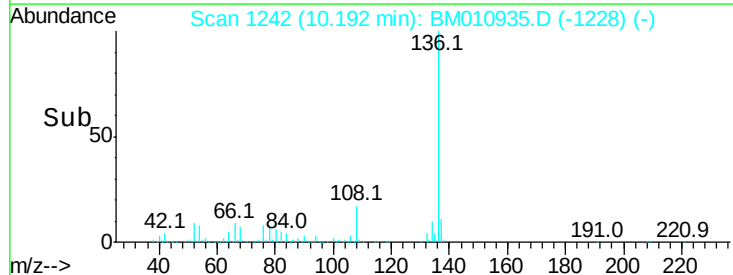
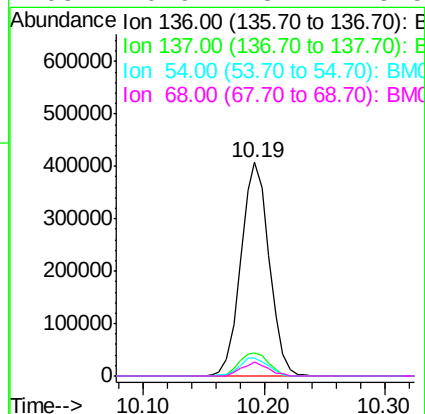
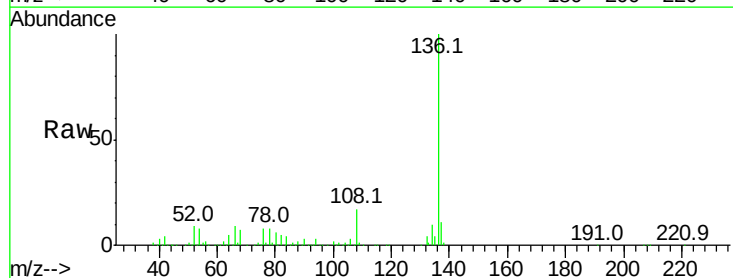
Ion Ratio Lower Upper

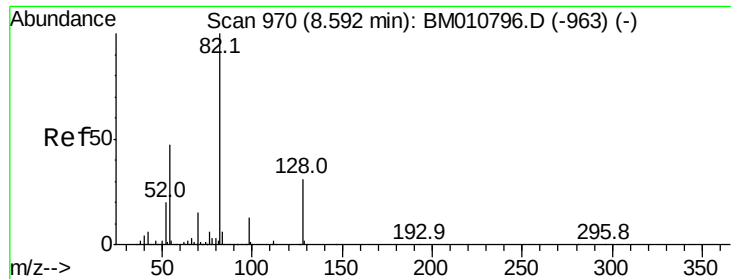
136 100

137 11.0 8.7 13.1

54 8.2 4.6 6.8#

68 6.6 3.7 5.5#

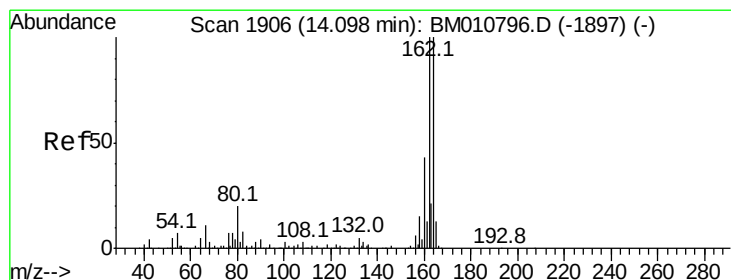
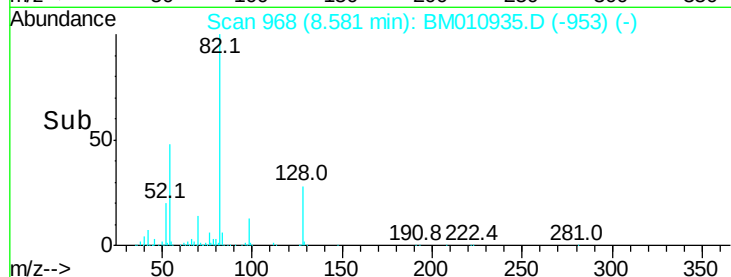
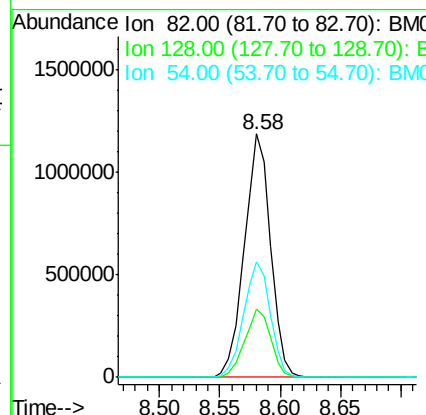
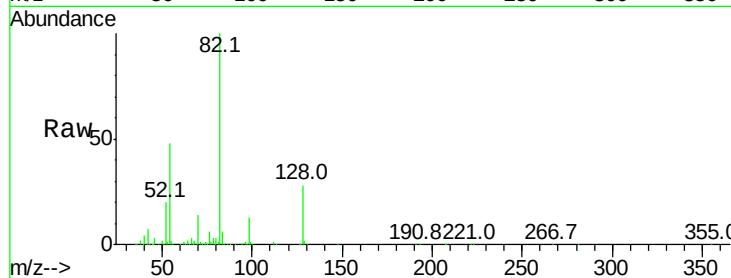




#23  
 Nitrobenzene-d5  
 Concen: 103.898 ng  
 RT: 8.58 min Scan# 968  
 Delta R.T. -0.01 min  
 Lab File: BM010935.D  
 Acq: 21 Jul 2017 10:11

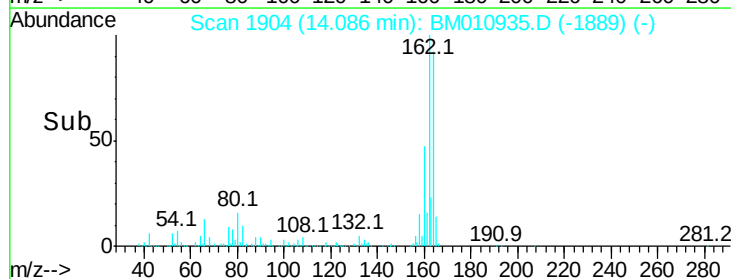
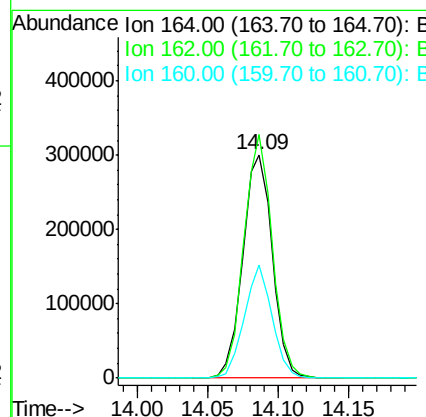
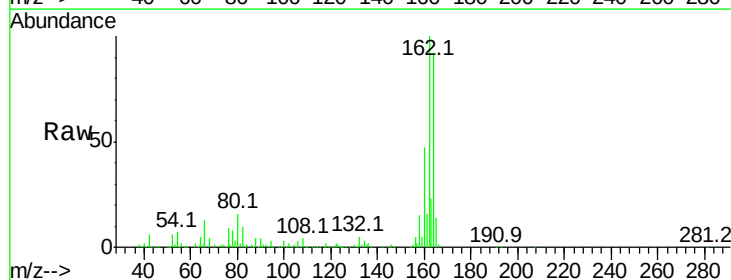
Instrument :  
 BNA\_M  
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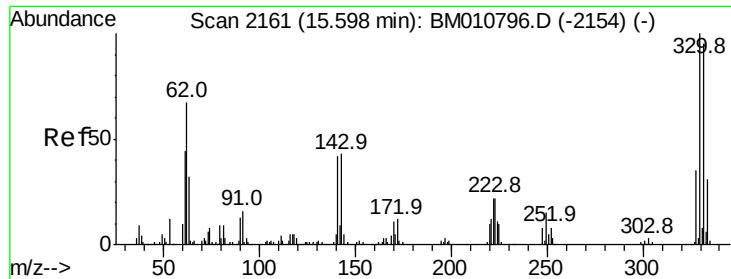
Tot Ion: 82 Resp: 1793652  
 Ion Ratio Lower Upper  
 82 100  
 128 28.3 32.8 49.2#  
 54 47.7 40.6 60.8



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.09 min Scan# 1904  
 Delta R.T. -0.01 min  
 Lab File: BM010935.D  
 Acq: 21 Jul 2017 10:11

Tgt Ion: 164 Resp: 438672  
 Ion Ratio Lower Upper  
 164 100  
 162 109.0 82.4 123.6  
 160 50.9 35.8 53.6





#41

2,4,6-Tribromophenol

Concen: 157.916 ng

RT: 15.59 min Scan# 2159

Delta R.T. -0.01 min

Lab File: BM010935.D

Acq: 21 Jul 2017 10:11

Instrument :

BNA\_M

ClientSampleId :

OK-02-071817-B

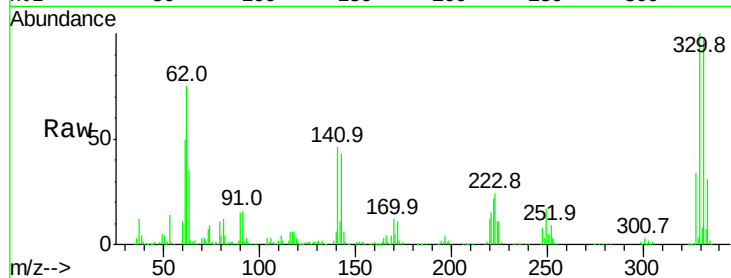
Tot Ion:330 Resp: 1058624

Ion Ratio Lower Upper

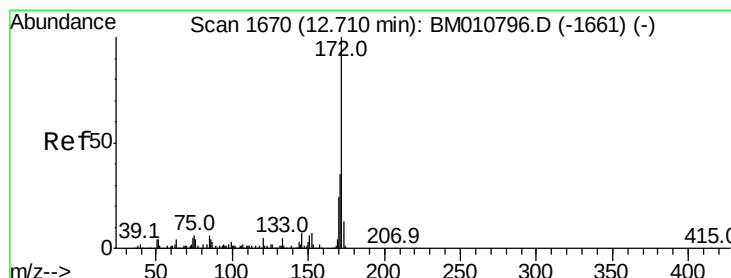
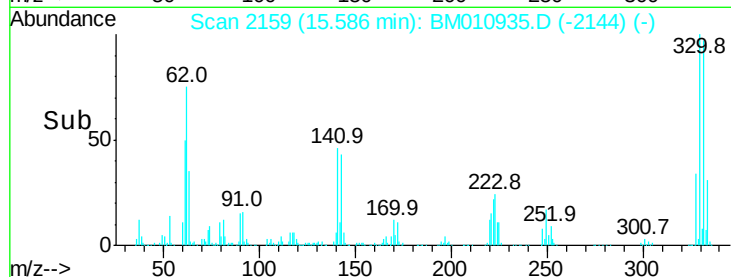
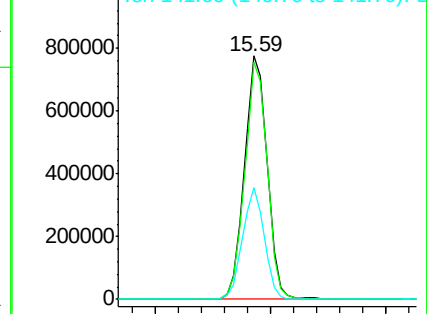
330 100

332 96.1 0.0 0.0#

141 44.1 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: 100.357 ng

RT: 12.70 min Scan# 1668

Delta R.T. -0.01 min

Lab File: BM010935.D

Acq: 21 Jul 2017 10:11

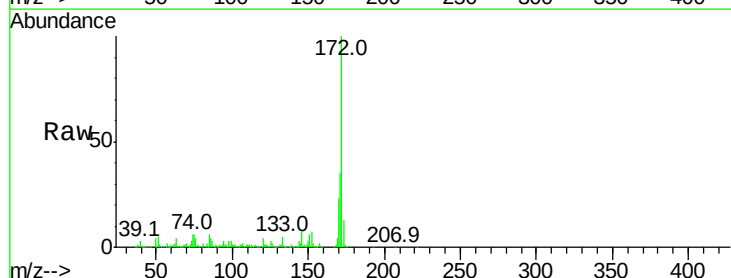
Tgt Ion:172 Resp: 3538826

Ion Ratio Lower Upper

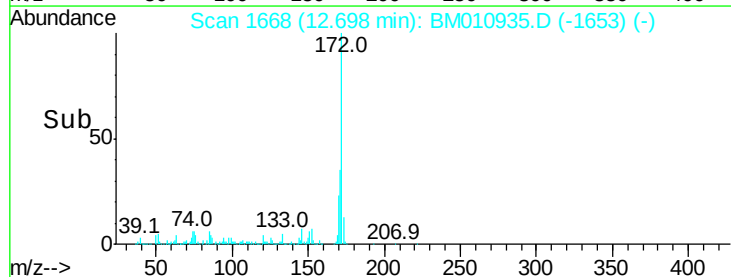
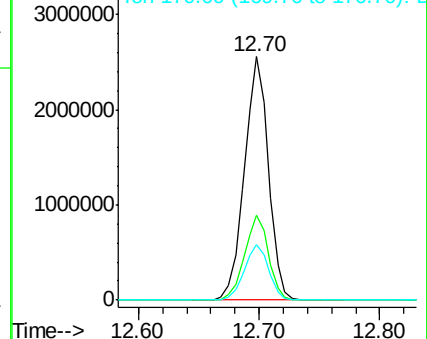
172 100

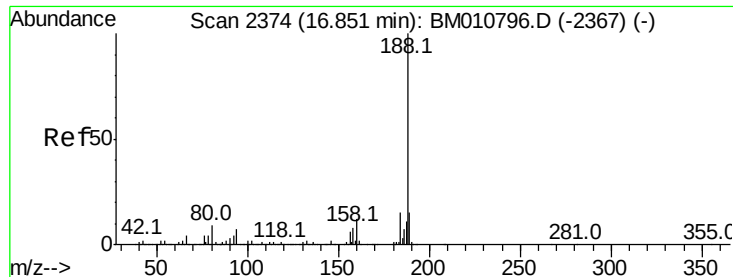
171 34.6 28.5 42.7

170 22.8 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

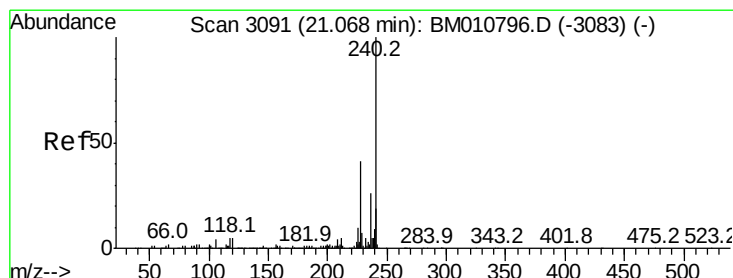
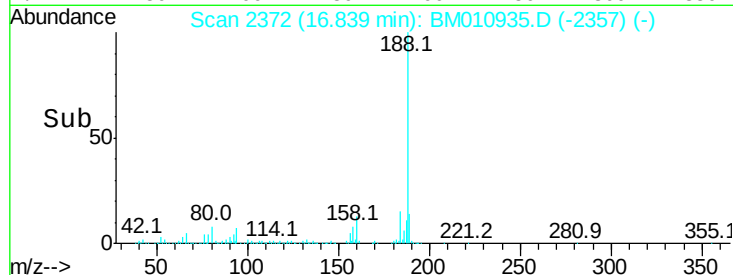
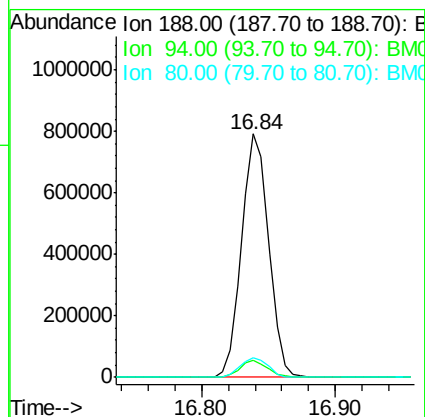
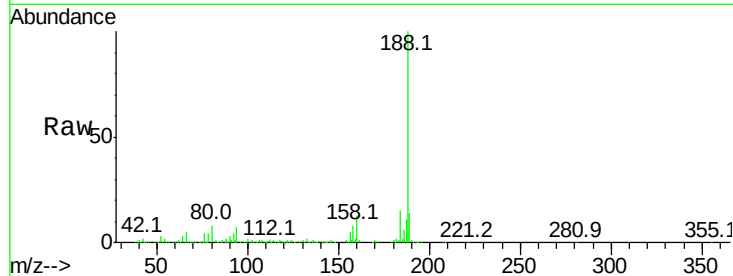




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 16.84 min Scan# 2372  
Delta R.T. -0.01 min  
Lab File: BM010935.D  
Acq: 21 Jul 2017 10:11

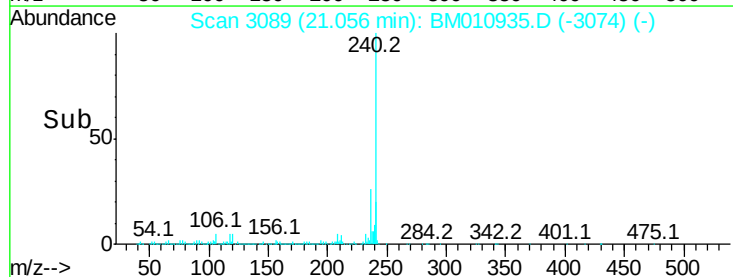
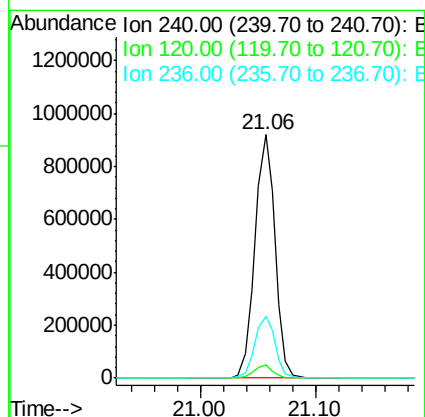
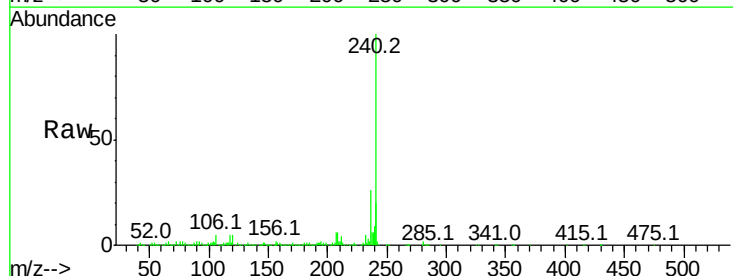
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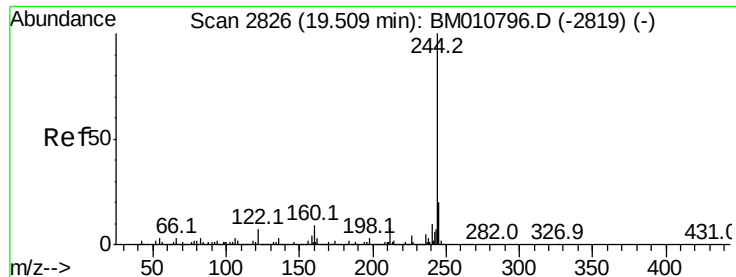
Tot Ion:188 Resp: 1108099  
Ion Ratio Lower Upper  
188 100  
94 7.2 8.7 13.1#  
80 8.0 9.3 13.9#



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.06 min Scan# 3089  
Delta R.T. -0.01 min  
Lab File: BM010935.D  
Acq: 21 Jul 2017 10:11

Tgt Ion:240 Resp: 1118963  
Ion Ratio Lower Upper  
240 100  
120 5.2 8.2 12.2#  
236 25.6 20.0 30.0





#78

Terphenyl-d14

Concen: 97.650 ng

RT: 19.50 min Scan# 2825

Delta R.T. -0.01 min

Lab File: BM010935.D

Acq: 21 Jul 2017 10:11

Instrument :

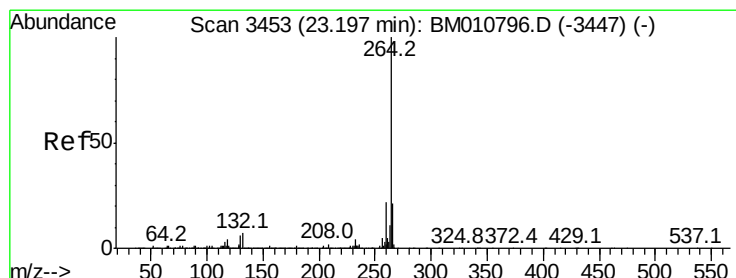
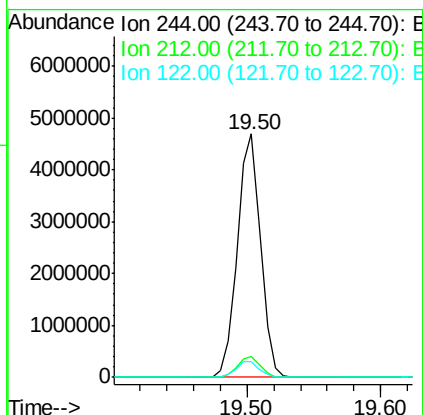
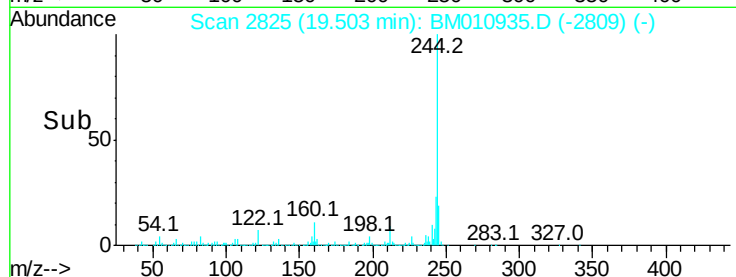
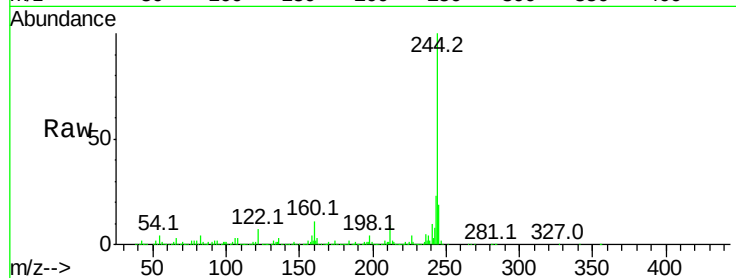
BNA\_M

ClientSampleId :

OK-02-071817-B

Tot Ion:244 Resp: 5649493

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 8.6   | 4.9   | 7.3#  |
| 122 | 6.5   | 6.2   | 9.4   |



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.18 min Scan# 3450

Delta R.T. -0.02 min

Lab File: BM010935.D

Acq: 21 Jul 2017 10:11

Tgt Ion:264 Resp: 983812

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.2  | 18.6  | 27.8  |
| 265 | 21.8  | 17.3  | 25.9  |

