

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM052215\  
 Data File : BM001396.D  
 Acq On : 23 May 2015 00:27  
 Operator : TP/IZ  
 Sample : PB83556BL  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83556BL

Quant Time: May 23 05:18:59 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\SIMPAH-BM052215.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat May 23 04:45:39 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.40  | 152  | 9843     | 5.00  | ng    | 0.00     |
| 6) Naphthalene-d8           | 10.18 | 136  | 34253    | 5.00  | ng    | 0.00     |
| 12) Acenaphthene-d10        | 14.08 | 164  | 19196    | 5.00  | ng    | 0.00     |
| 18) Phenanthrene-d10        | 16.82 | 188  | 65588    | 5.00  | ng    | 0.00     |
| 25) Chrysene-d12            | 21.04 | 240  | 43989    | 5.00  | ng    | 0.00     |
| 32) Perylene-d12            | 23.14 | 264  | 40902    | 5.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 4) 2-Fluorophenol           | 4.99  | 112  | 21104    | 10.85 | ng    | 0.00     |
| 5) Phenol-d6                | 6.60  | 99   | 24772    | 10.98 | ng    | 0.00     |
| 7) Nitrobenzene-d5          | 8.55  | 82   | 14254    | 7.21  | ng    | 0.00     |
| 13) 2,4,6-Tribromophenol    | 15.59 | 330  | 6073     | 10.18 | ng    | 0.00     |
| 14) 2-Fluorobiphenyl        | 12.69 | 172  | 44369    | 7.51  | ng    | 0.00     |
| 27) Terphenyl-d14           | 19.48 | 244  | 42307    | 7.11  | ng    | -0.01    |

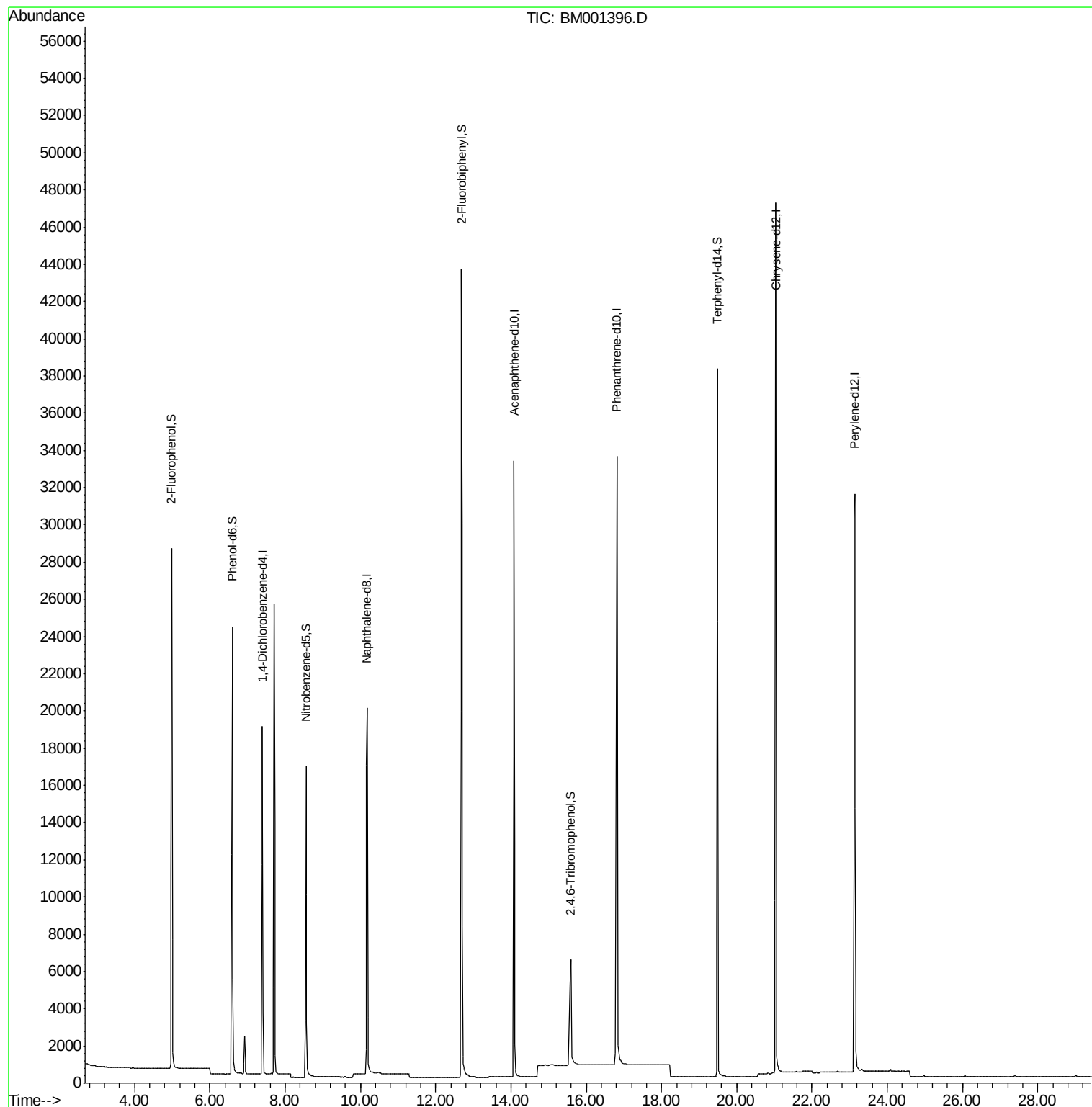
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

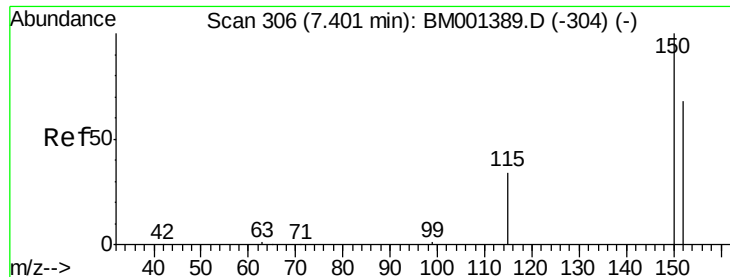
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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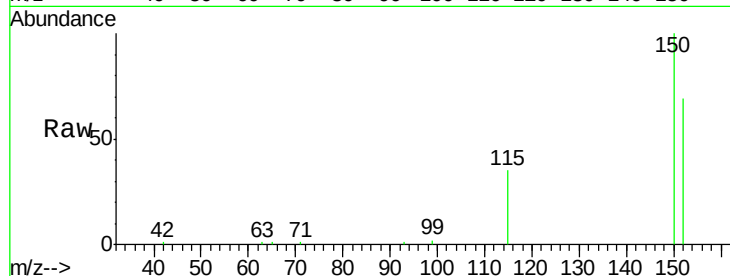




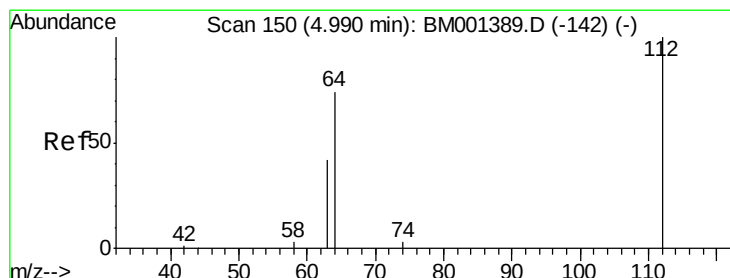
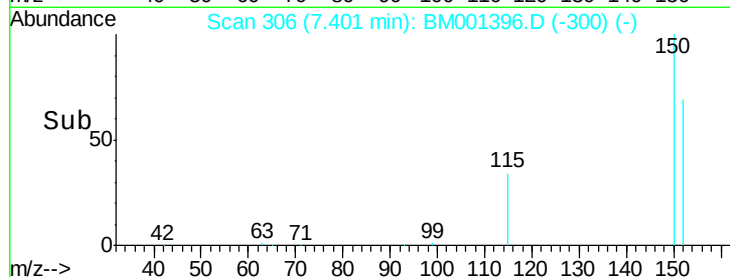
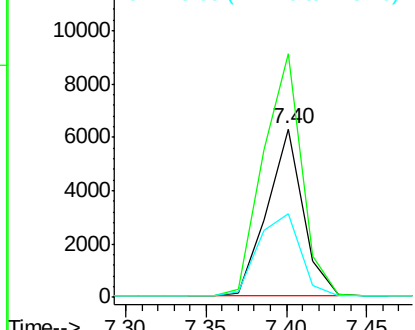
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 5.00 ng  
 RT: 7.40 min Scan# 306  
 Delta R.T. -0.00 min  
 Lab File: BM001396.D  
 Acq: 23 May 2015 00:27

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83556BL

Tgt Ion:152 Resp: 9843  
 Ion Ratio Lower Upper  
 152 100  
 150 144.6 119.0 178.6  
 115 50.0 41.8 62.8

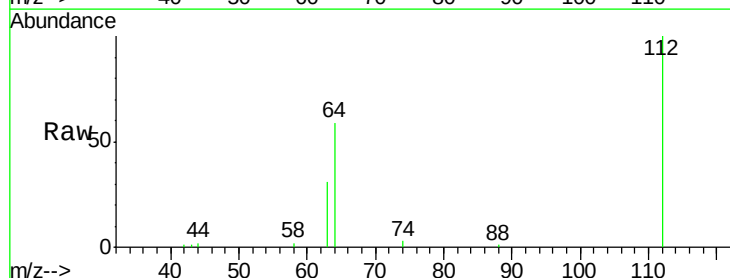


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

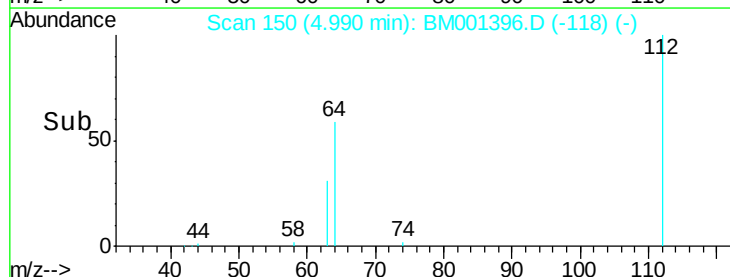
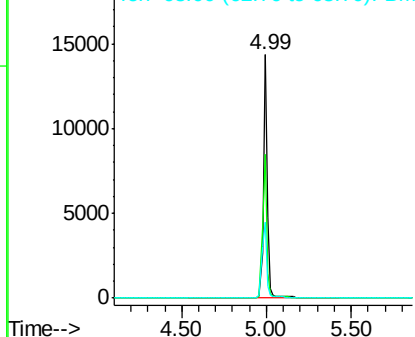


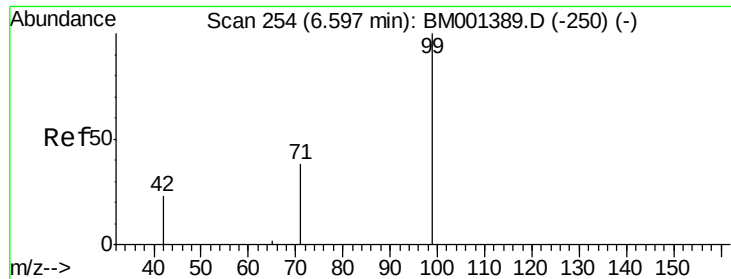
#4  
 2-Fluorophenol  
 Concen: 10.85 ng  
 RT: 4.99 min Scan# 150  
 Delta R.T. -0.00 min  
 Lab File: BM001396.D  
 Acq: 23 May 2015 00:27

Tgt Ion:112 Resp: 21104  
 Ion Ratio Lower Upper  
 112 100  
 64 64.5 51.7 77.5  
 63 37.0 29.7 44.5



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





#5

Phenol-d6

Concen: 10.98 ng

RT: 6.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: BM001396.D

Acq: 23 May 2015 00:27

Instrument :

BNA\_M

ClientSampleId :

PB83556BL

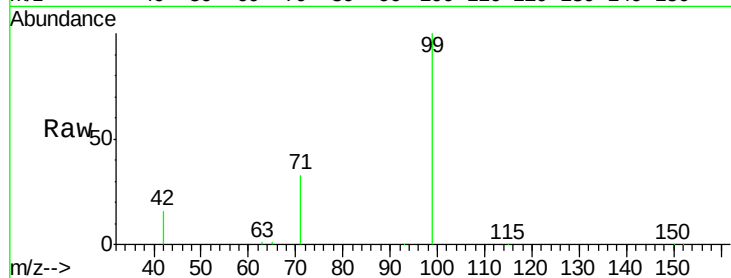
Tgt Ion: 99 Resp: 24772

Ion Ratio Lower Upper

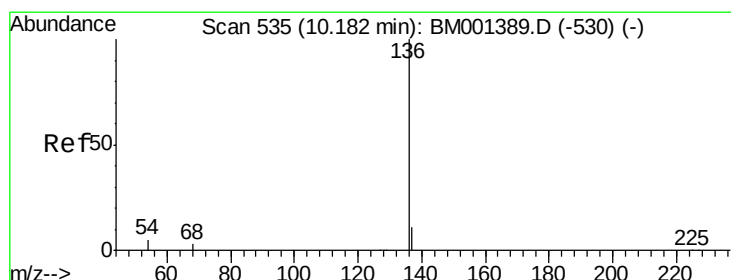
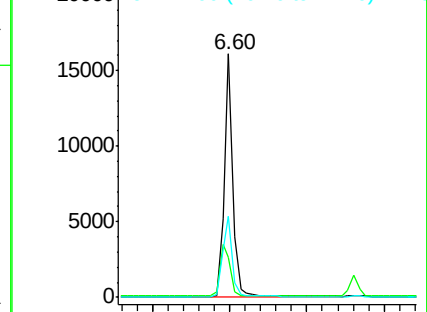
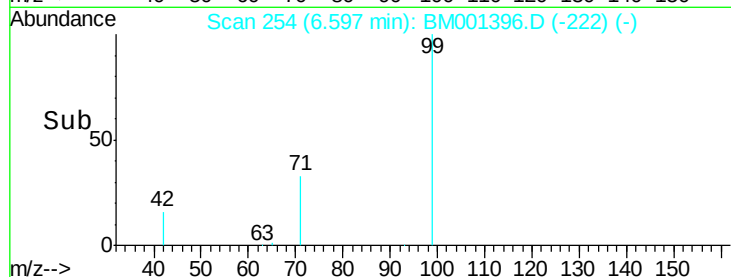
99 100

42 26.0 21.8 32.6

71 37.0 29.2 43.8



Abundance Ion 99.00 (98.70 to 99.70): BM001396.D (-222) (-)



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.18 min Scan# 535

Delta R.T. -0.00 min

Lab File: BM001396.D

Acq: 23 May 2015 00:27

Tgt Ion: 136 Resp: 34253

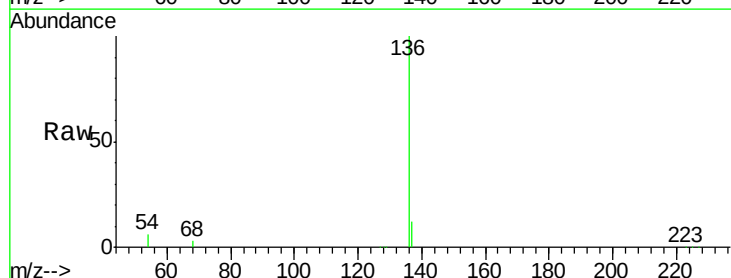
Ion Ratio Lower Upper

136 100

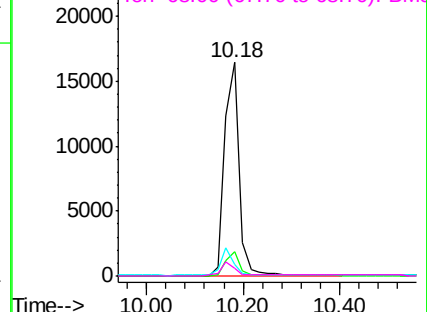
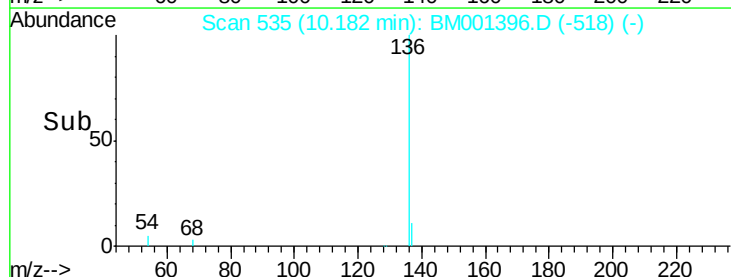
137 11.7 9.1 13.7

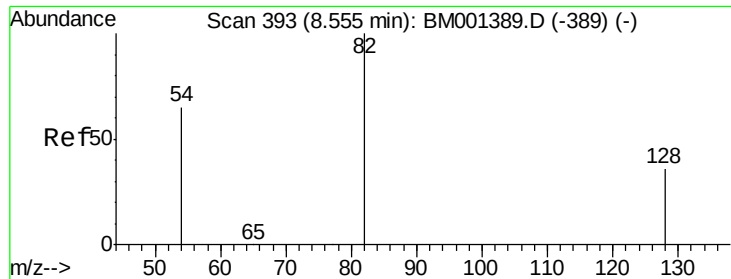
54 5.7 4.3 6.5

68 3.5 2.6 4.0



Abundance Ion 136.00 (135.70 to 136.70): BM001396.D (-518) (-)





#7

Nitrobenzene-d5

Concen: 7.21 ng

RT: 8.55 min Scan# 393

Delta R.T. -0.00 min

Lab File: BM001396.D

Acq: 23 May 2015 00:27

Instrument :

BNA\_M

ClientSampleId :

PB83556BL

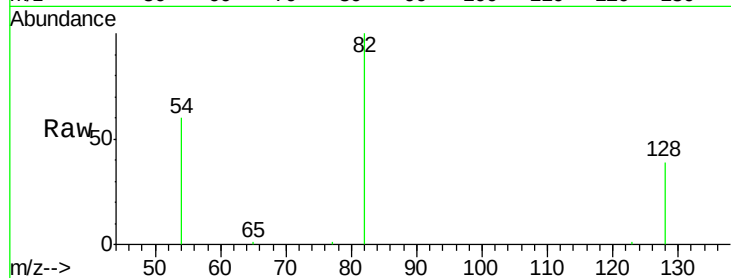
Tgt Ion: 82 Resp: 14254

Ion Ratio Lower Upper

82 100

128 39.4 30.2 45.4

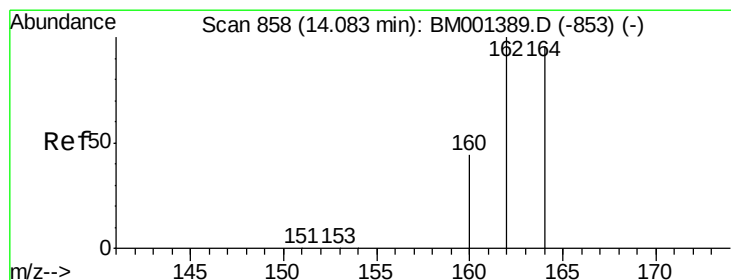
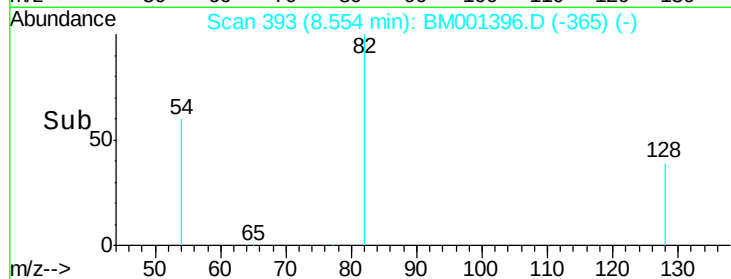
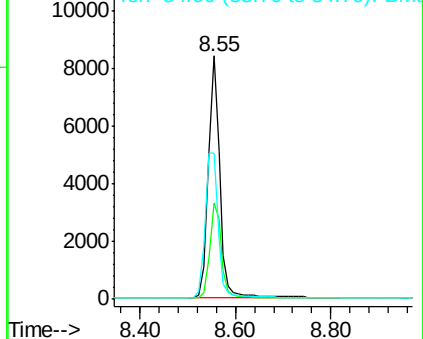
54 59.9 52.9 79.3



Abundance Ion 82.00 (81.70 to 82.70): BM001389.D (-389) (-)

Ion 128.00 (127.70 to 128.70): BM001389.D (-389) (-)

Ion 54.00 (53.70 to 54.70): BM001389.D (-389) (-)



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.08 min Scan# 858

Delta R.T. -0.00 min

Lab File: BM001396.D

Acq: 23 May 2015 00:27

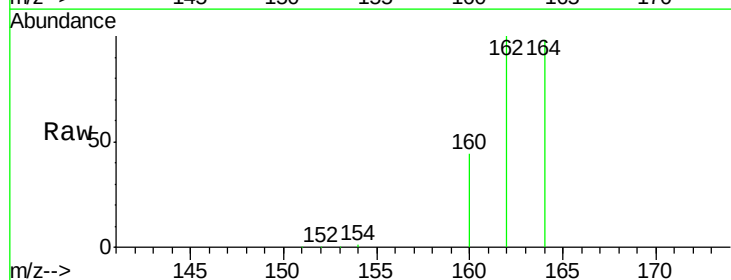
Tgt Ion: 164 Resp: 19196

Ion Ratio Lower Upper

164 100

162 101.8 83.4 125.2

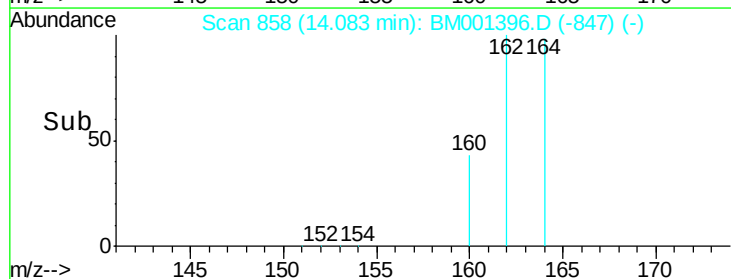
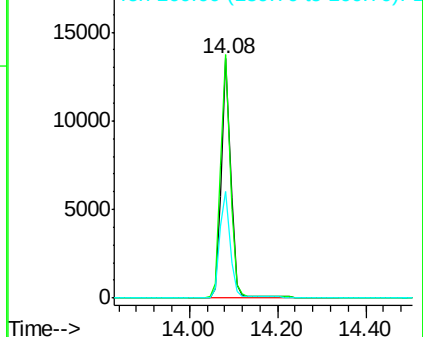
160 44.4 36.9 55.3

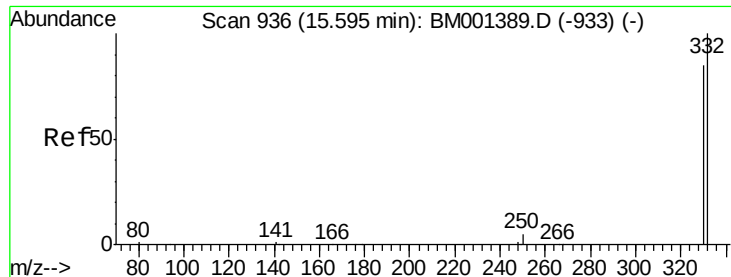


Abundance Ion 164.00 (163.70 to 164.70): BM001389.D (-853) (-)

Ion 162.00 (161.70 to 162.70): BM001389.D (-853) (-)

Ion 160.00 (159.70 to 160.70): BM001389.D (-853) (-)

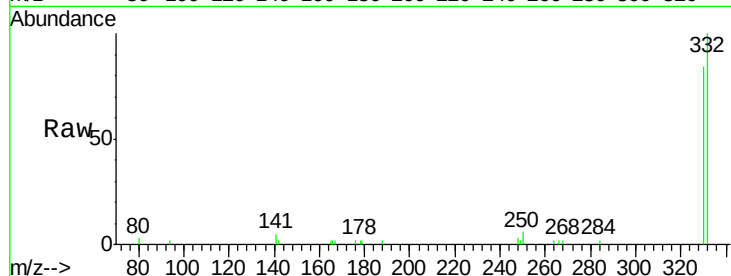




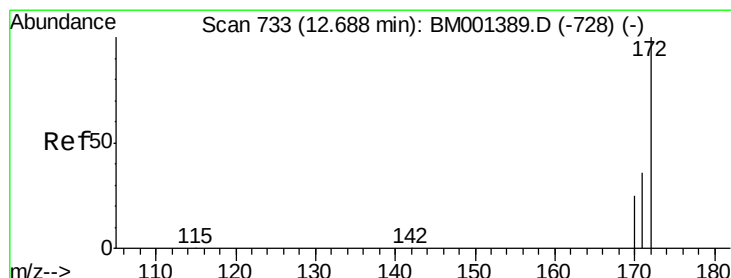
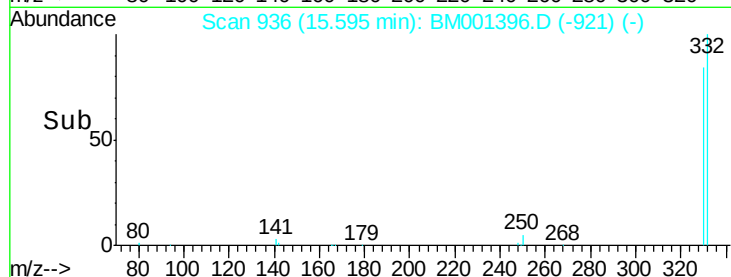
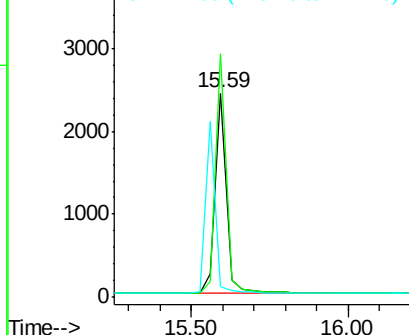
#13  
 2,4,6-Tribromophenol  
 Concen: 10.18 ng  
 RT: 15.59 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: BM001396.D  
 Acq: 23 May 2015 00:27

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB83556BL

Tgt Ion:330 Resp: 6073  
 Ion Ratio Lower Upper  
 330 100  
 332 112.8 90.3 135.5  
 141 0.0 0.0 0.0

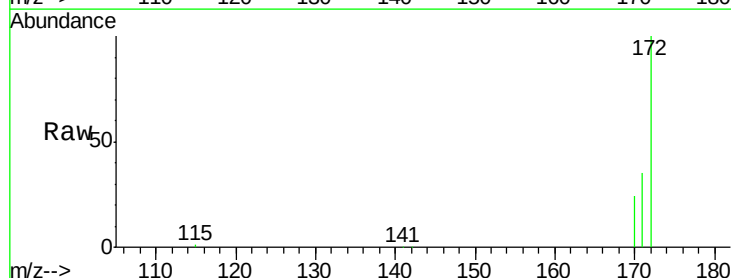


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

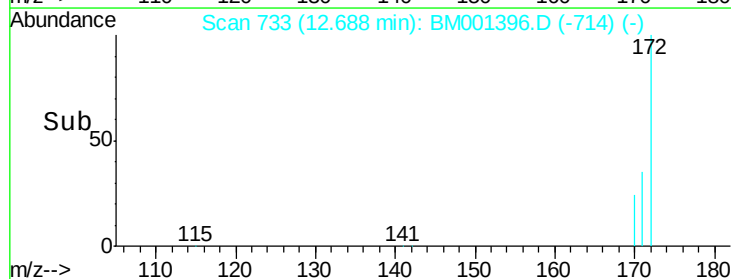
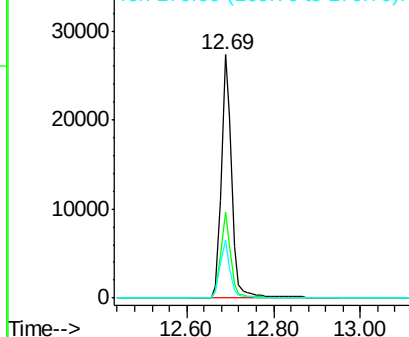


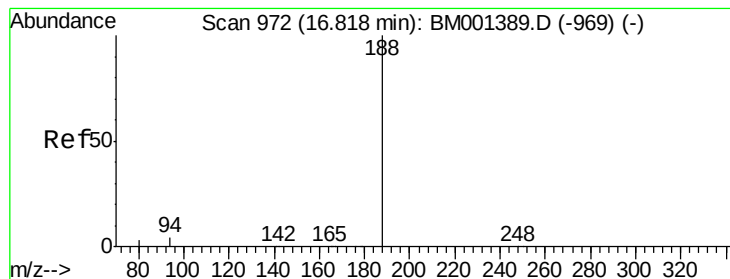
#14  
 2-Fluorobiphenyl  
 Concen: 7.51 ng  
 RT: 12.69 min Scan# 733  
 Delta R.T. -0.00 min  
 Lab File: BM001396.D  
 Acq: 23 May 2015 00:27

Tgt Ion:172 Resp: 44369  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 29.4 44.0  
 170 23.8 20.2 30.4



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





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.82 min Scan# 972

Delta R.T. -0.00 min

Lab File: BM001396.D

Acq: 23 May 2015 00:27

Instrument :

BNA\_M

ClientSampleId :

PB83556BL

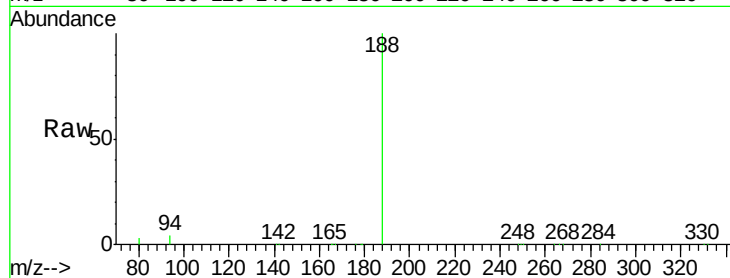
Tgt Ion:188 Resp: 65588

Ion Ratio Lower Upper

188 100

94 3.6 3.0 4.4

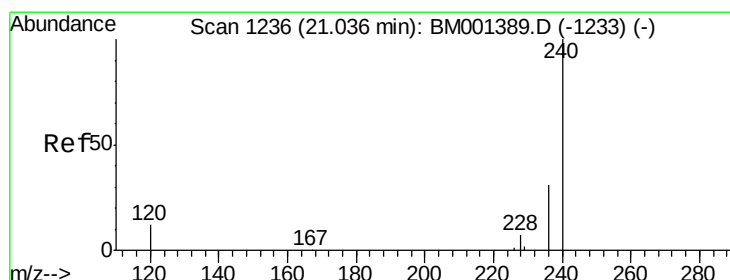
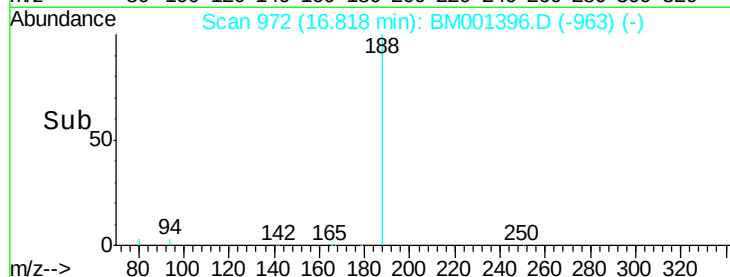
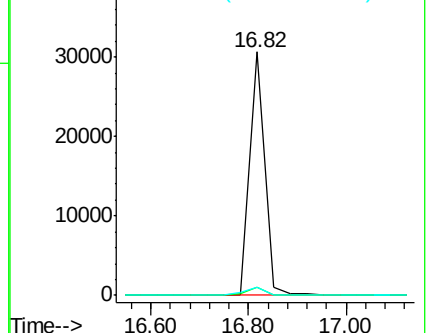
80 3.2 2.5 3.7



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.04 min Scan# 1236

Delta R.T. -0.00 min

Lab File: BM001396.D

Acq: 23 May 2015 00:27

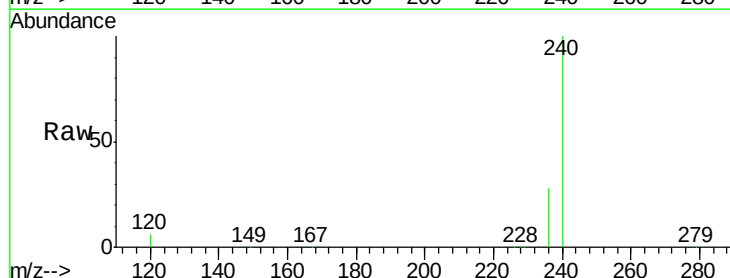
Tgt Ion:240 Resp: 43989

Ion Ratio Lower Upper

240 100

120 6.1 9.7 14.5#

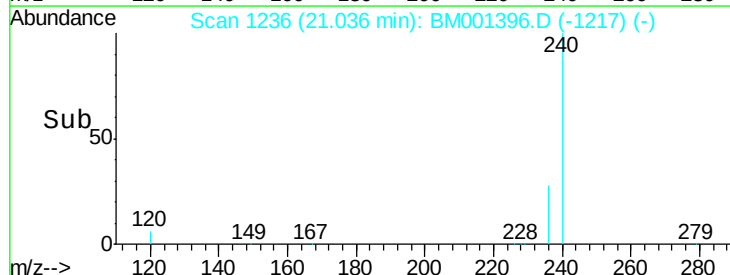
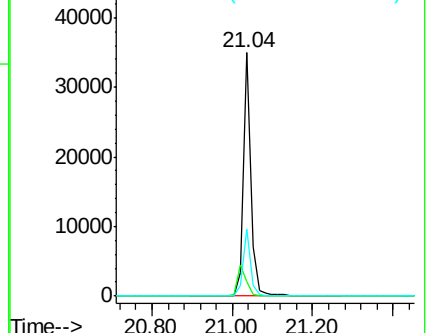
236 27.6 24.8 37.2

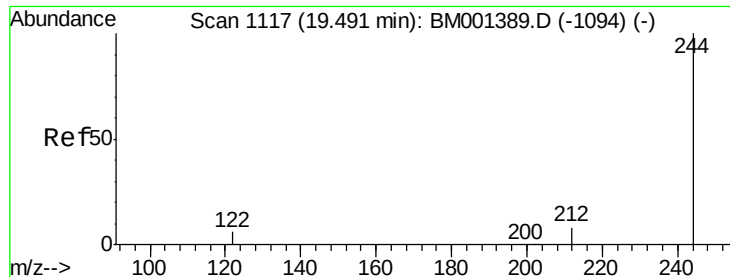


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Terphenyl-d14

Concen: 7.11 ng

RT: 19.48 min Scan# 1116

Delta R.T. -0.01 min

Lab File: BM001396.D

Acq: 23 May 2015 00:27

Instrument :

BNA\_M

ClientSampleId :

PB83556BL

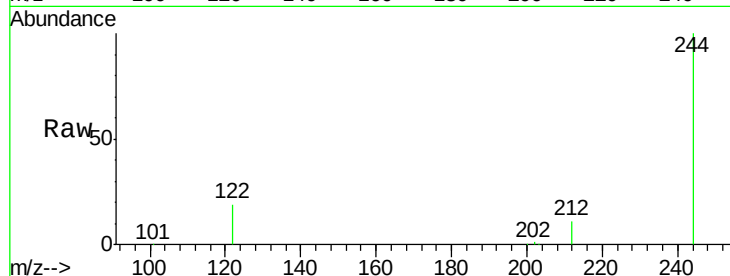
Tgt Ion:244 Resp: 42307

Ion Ratio Lower Upper

244 100

212 10.8 7.2 10.8

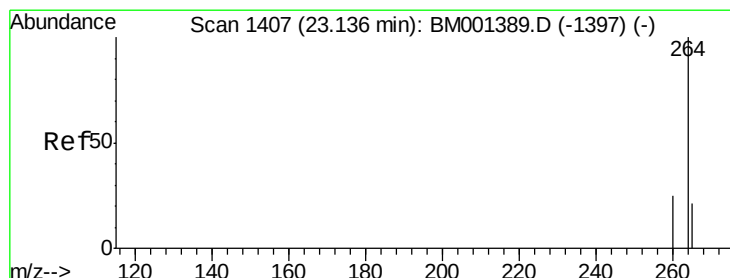
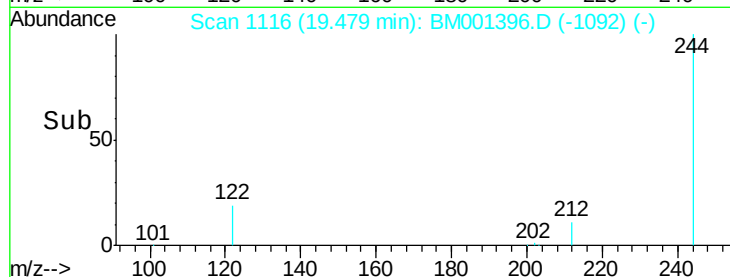
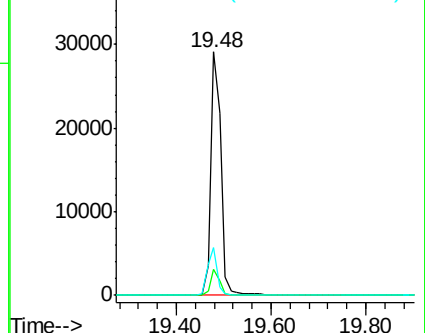
122 19.4 5.1 7.7#



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



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.14 min Scan# 1407

Delta R.T. -0.00 min

Lab File: BM001396.D

Acq: 23 May 2015 00:27

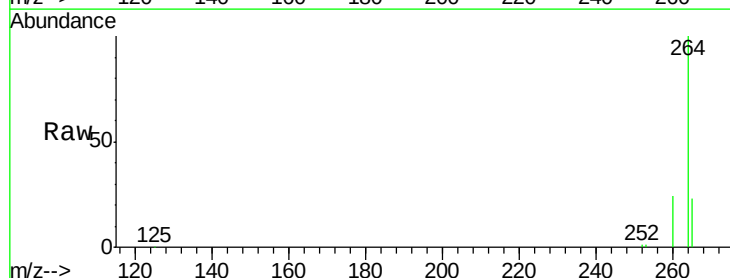
Tgt Ion:264 Resp: 40902

Ion Ratio Lower Upper

264 100

260 24.0 20.1 30.1

265 22.6 17.1 25.7



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

