

Data Path : Z:\HPCHEM1\BNA M\DATA\BM010216\  
 Data File : BM003917.D  
 Acq On : 31 Dec 2015 16:52  
 Operator : SJ/UM  
 Sample : PB87603BL  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB87603BL

Quant Time: Jan 04 13:49:44 2016  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM010216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 04 13:33:21 2016  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.67  | 152  | 41286    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8           | 10.46 | 136  | 167911   | 5.00 | ng    | 0.00     |
| 13) Acenaphthene-d10        | 14.33 | 164  | 86464    | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10        | 17.06 | 188  | 214297   | 5.00 | ng    | 0.00     |
| 26) Chrysene-d12            | 21.27 | 240  | 145410   | 5.00 | ng    | 0.00     |
| 35) Perylene-d12            | 23.52 | 264  | 106530   | 5.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) 2-Fluorophenol           | 5.27  | 112  | 67187    | 7.95 | ng    | 0.00     |
| 5) Phenol-d6                | 6.85  | 99   | 84139    | 8.13 | ng    | 0.00     |
| 8) Nitrobenzene-d5          | 8.84  | 82   | 32475    | 3.94 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 15.82 | 330  | 13762    | 5.38 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 12.94 | 172  | 116481   | 4.18 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.71 | 244  | 102357   | 4.35 | ng    | -0.02    |

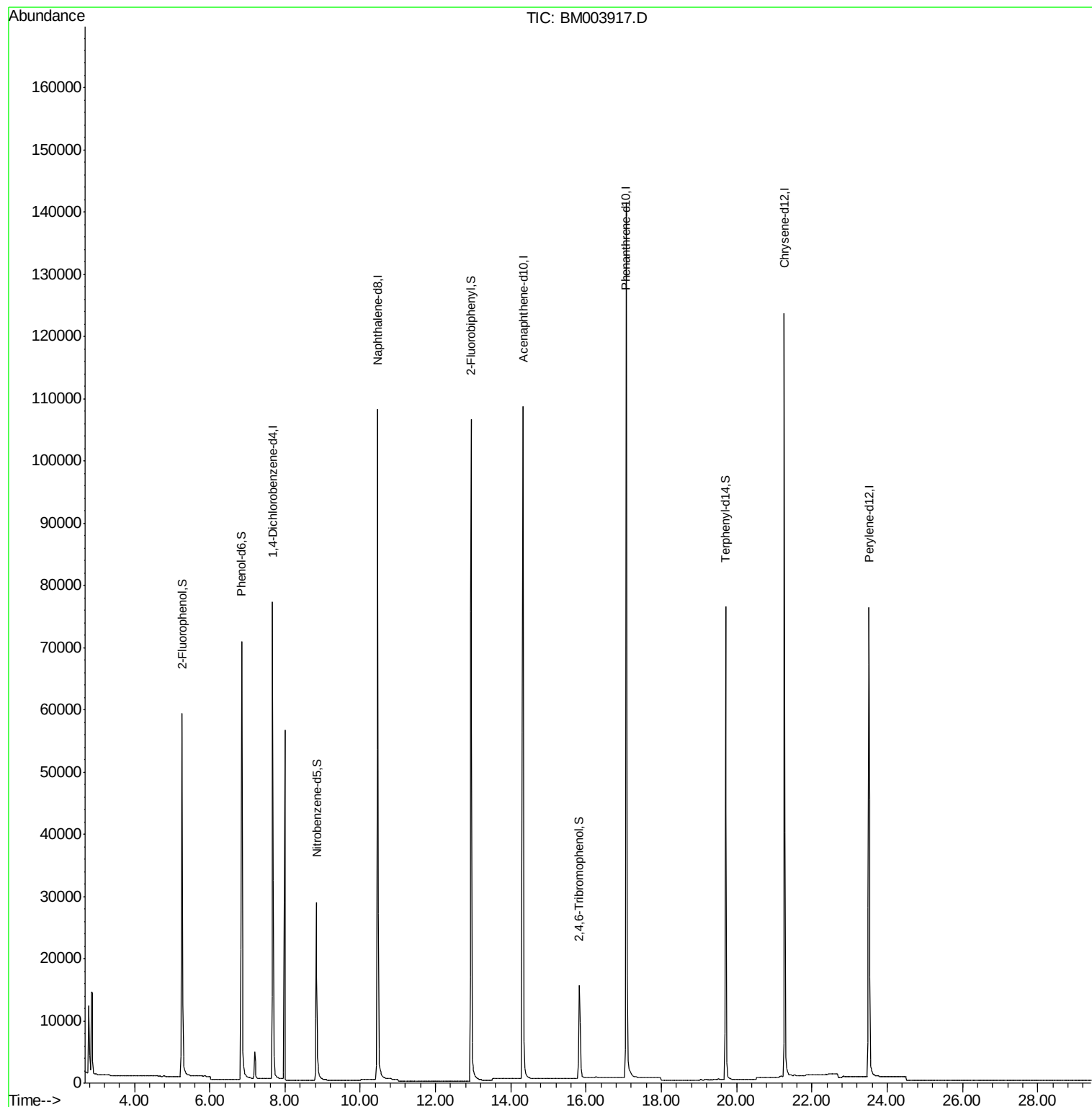
Target Compounds Qvalue

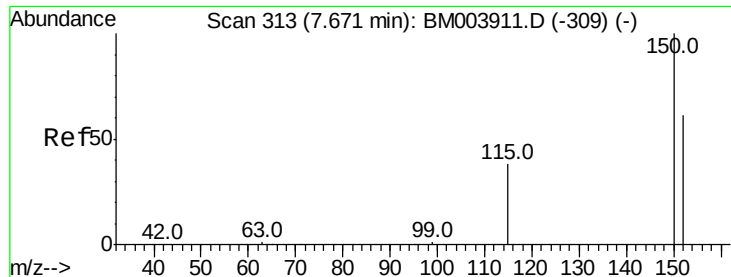
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.67 min Scan# 313

Delta R.T. 0.00 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

Instrument :

BNA\_M

ClientSampleId :

PB87603BL

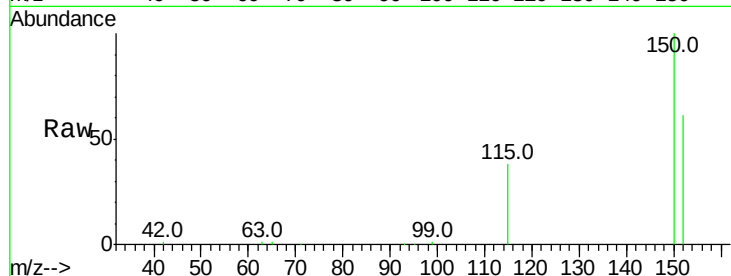
Tot Ion:152 Resp: 41286

Ion Ratio Lower Upper

152 100

150 164.2 122.9 184.3

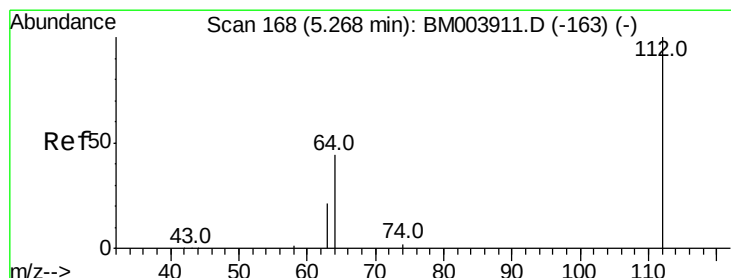
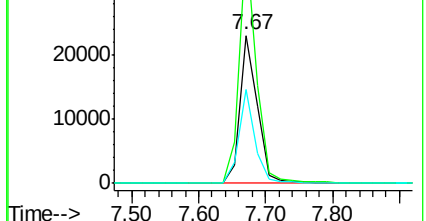
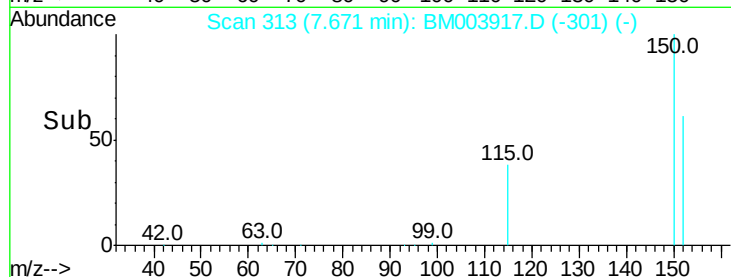
115 63.1 44.4 66.6



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: 7.95 ng

RT: 5.27 min Scan# 168

Delta R.T. 0.00 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

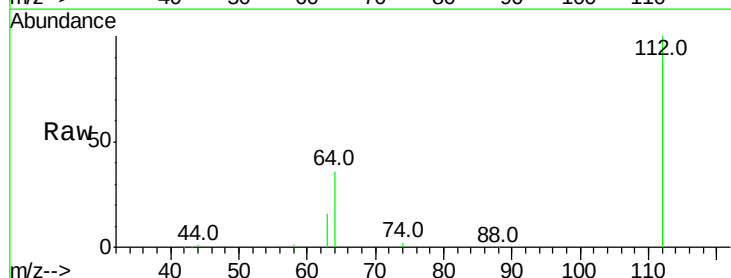
Tgt Ion:112 Resp: 67187

Ion Ratio Lower Upper

112 100

64 52.9 41.8 62.8

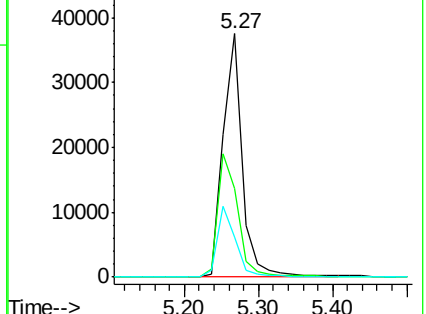
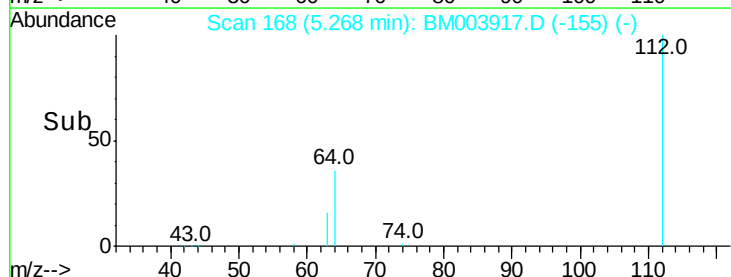
63 27.9 22.1 33.1

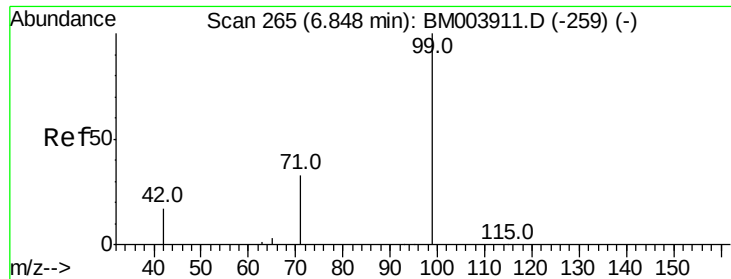


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 8.13 ng

RT: 6.85 min Scan# 265

Delta R.T. 0.00 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

Instrument :

BNA\_M

ClientSampleId :

PB87603BL

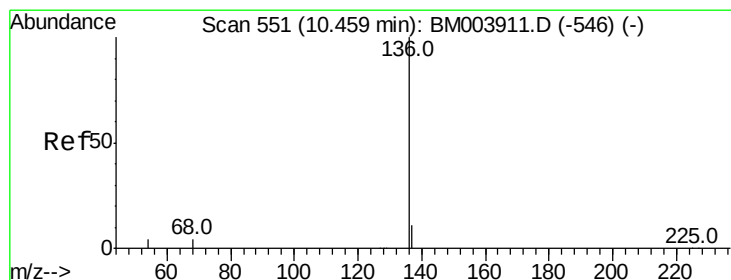
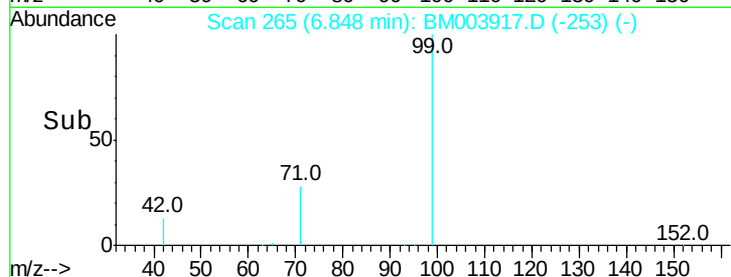
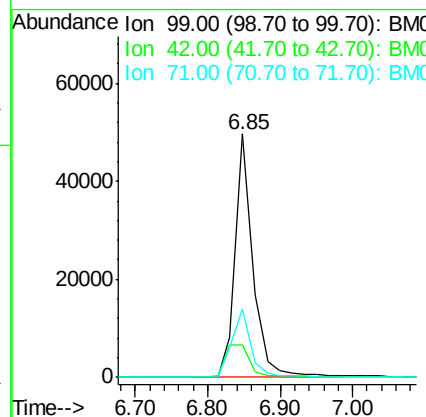
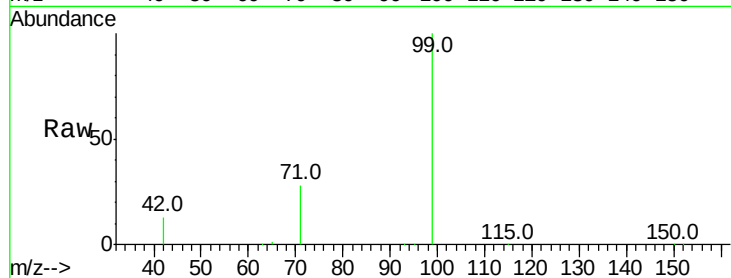
Tot Ion: 99 Resp: 84139

Ion Ratio Lower Upper

99 100

42 18.8 16.2 24.2

71 30.0 24.4 36.6



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.46 min Scan# 551

Delta R.T. 0.00 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

Tgt Ion: 136 Resp: 167911

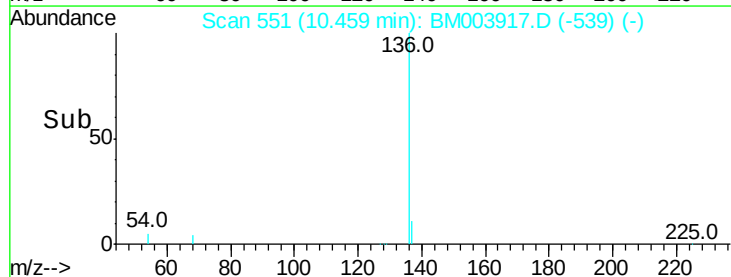
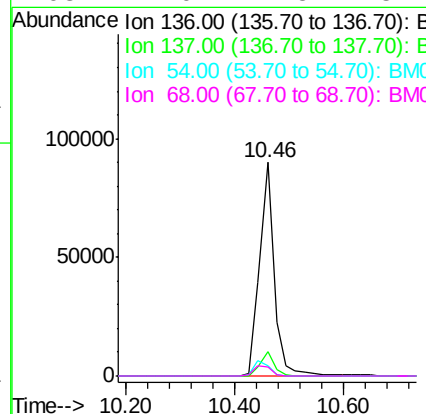
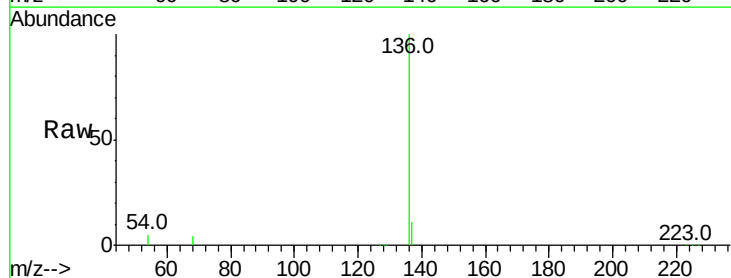
Ion Ratio Lower Upper

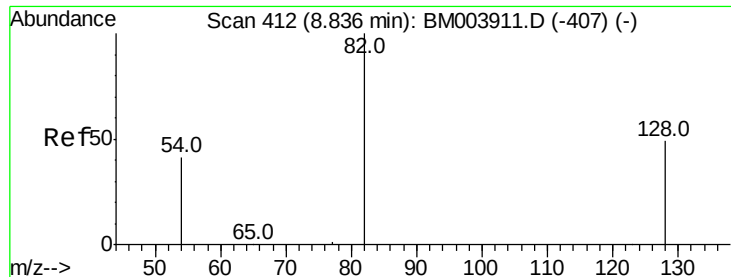
136 100

137 11.1 9.2 13.8

54 4.9 2.8 4.2#

68 4.0 2.5 3.7#





#8

Nitrobenzene-d5

Concen: 3.94 ng

RT: 8.84 min Scan# 412

Delta R.T. 0.00 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

Instrument :

BNA\_M

ClientSampleId :

PB87603BL

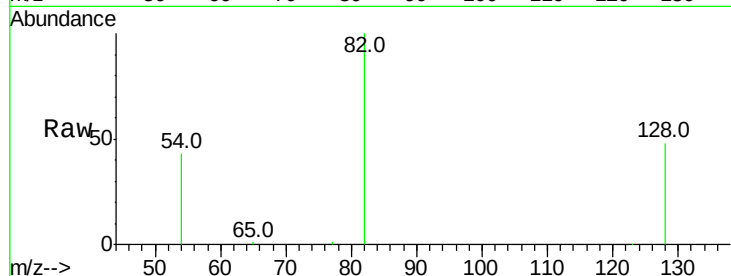
Tot Ion: 82 Resp: 32475

Ion Ratio Lower Upper

82 100

128 47.5 39.1 58.7

54 43.4 34.8 52.2

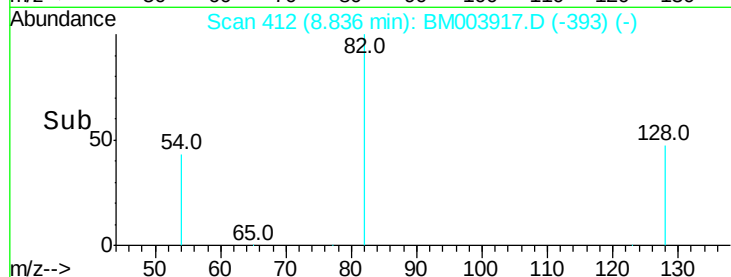


Abundance Ion 82.00 (81.70 to 82.70): BM003917.D (-393) (-)

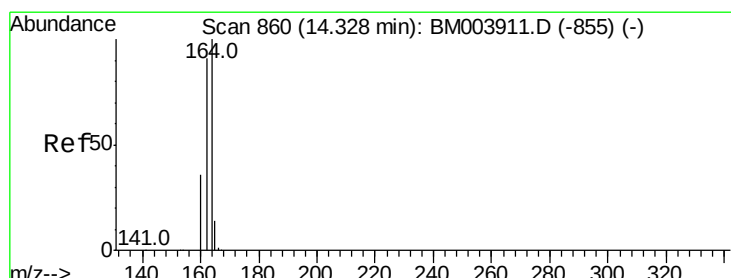
Ion 128.00 (127.70 to 128.70): BM003917.D (-393) (-)

Ion 54.00 (53.70 to 54.70): BM003917.D (-393) (-)

Time-->



Time-->



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.33 min Scan# 860

Delta R.T. 0.00 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

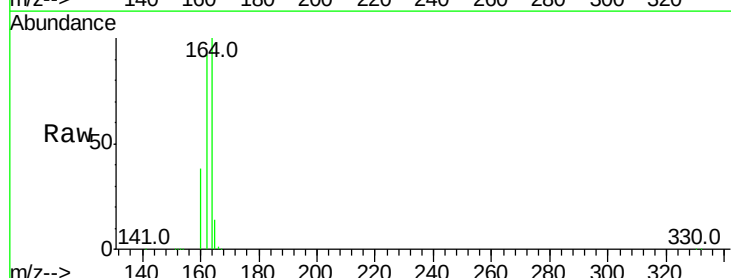
Tgt Ion: 164 Resp: 86464

Ion Ratio Lower Upper

164 100

162 92.5 86.0 129.0

160 38.0 40.3 60.5#

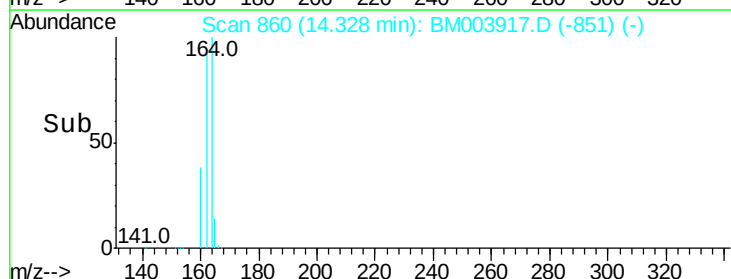


Abundance Ion 164.00 (163.70 to 164.70): BM003917.D (-851) (-)

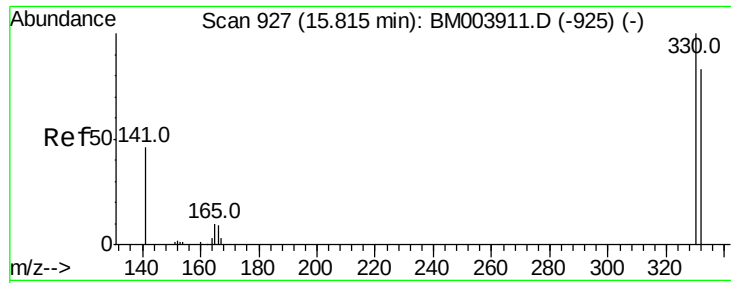
Ion 162.00 (161.70 to 162.70): BM003917.D (-851) (-)

Ion 160.00 (159.70 to 160.70): BM003917.D (-851) (-)

Time-->



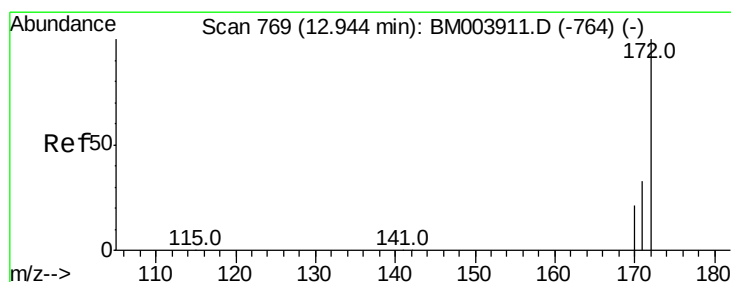
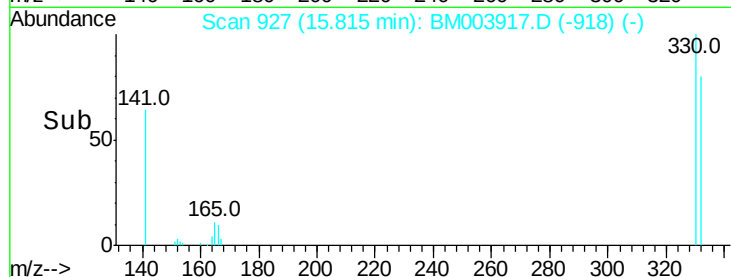
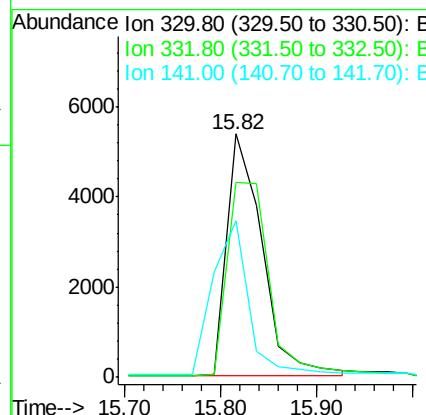
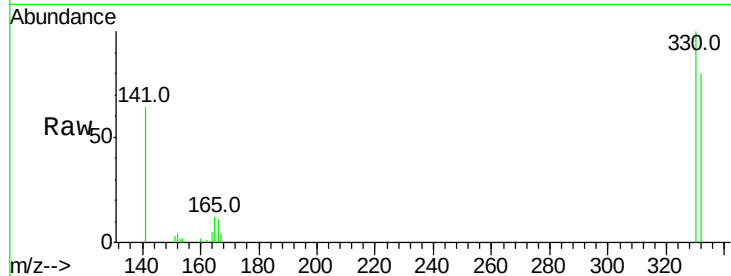
Time-->



#14  
 2,4,6-Tribromophenol  
 Concen: 5.38 ng  
 RT: 15.82 min Scan# 927  
 Delta R.T. 0.00 min  
 Lab File: BM003917.D  
 Acq: 31 Dec 2015 16:52

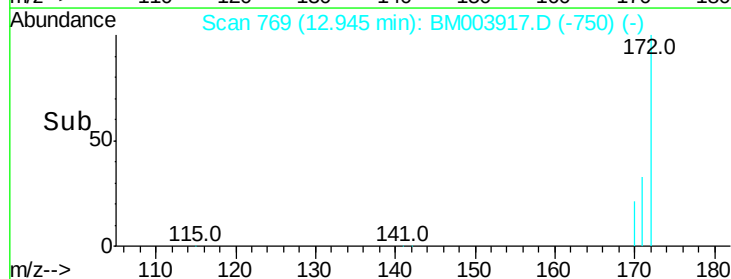
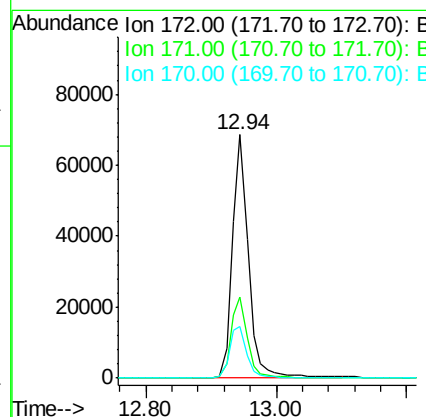
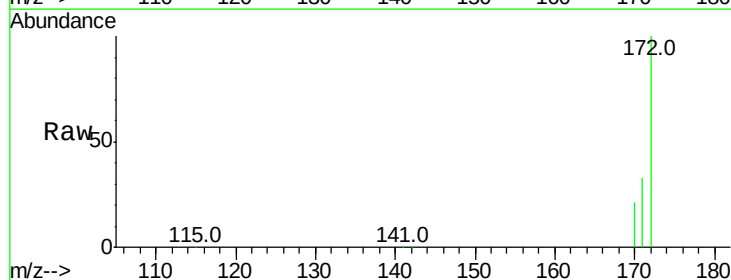
Instrument :  
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 PB87603BL

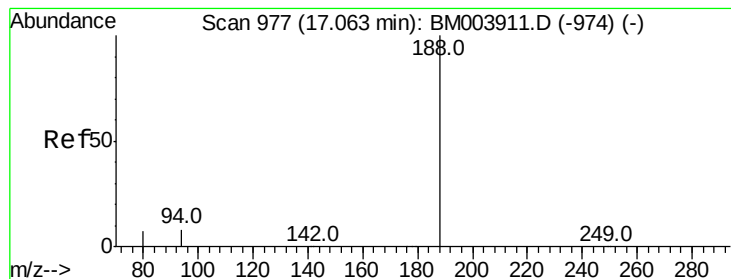
Tot Ion:330 Resp: 13762  
 Ion Ratio Lower Upper  
 330 100  
 332 94.3 79.0 118.4  
 141 64.2 0.0 0.0#



#15  
 2-Fluorobiphenyl  
 Concen: 4.18 ng  
 RT: 12.94 min Scan# 769  
 Delta R.T. 0.00 min  
 Lab File: BM003917.D  
 Acq: 31 Dec 2015 16:52

Tgt Ion:172 Resp: 116481  
 Ion Ratio Lower Upper  
 172 100  
 171 33.3 27.0 40.6  
 170 21.4 17.9 26.9





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.06 min Scan# 977

Delta R.T. 0.00 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

Instrument :

BNA\_M

ClientSampleId :

PB87603BL

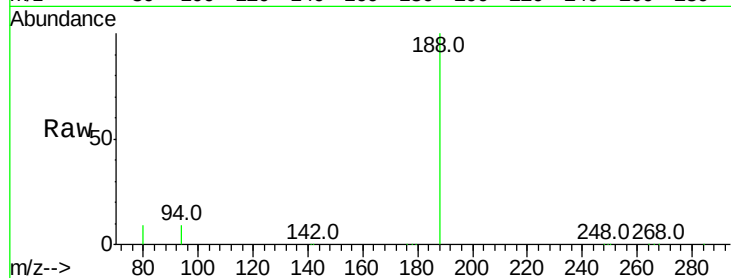
Tot Ion:188 Resp: 214297

Ion Ratio Lower Upper

188 100

94 9.1 20.3 30.5#

80 8.6 22.2 33.4#



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

150000

100000

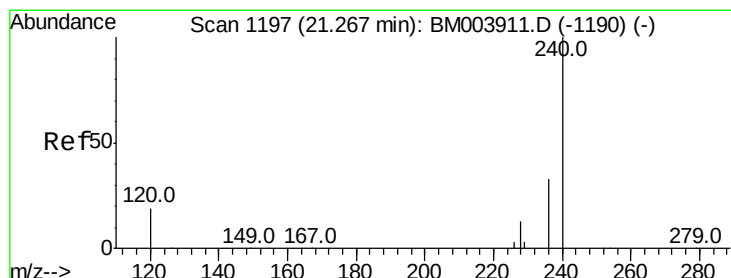
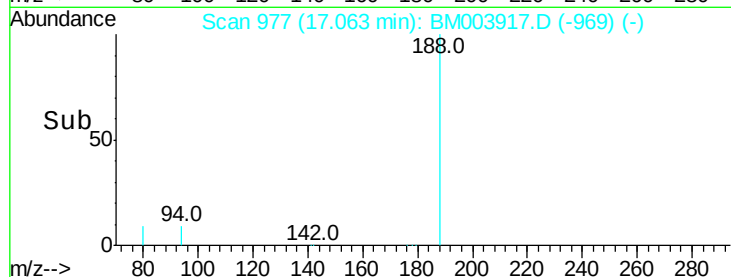
50000

0

17.06

17.00 17.10 17.20

Time-->



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.27 min Scan# 1197

Delta R.T. 0.00 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

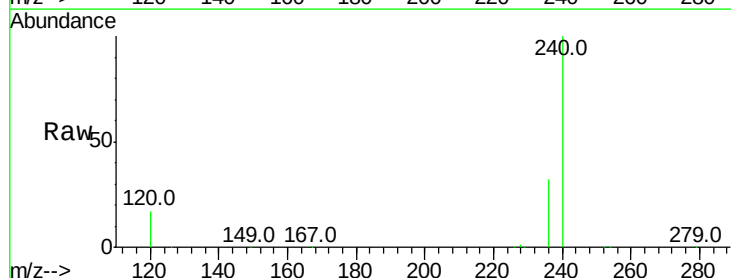
Tgt Ion:240 Resp: 145410

Ion Ratio Lower Upper

240 100

120 16.7 0.9 1.3#

236 32.3 17.3 25.9#



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

100000

80000

60000

40000

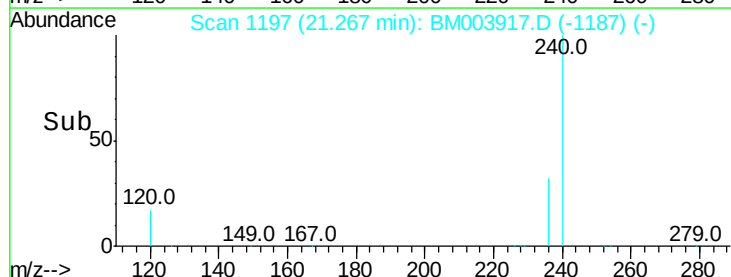
20000

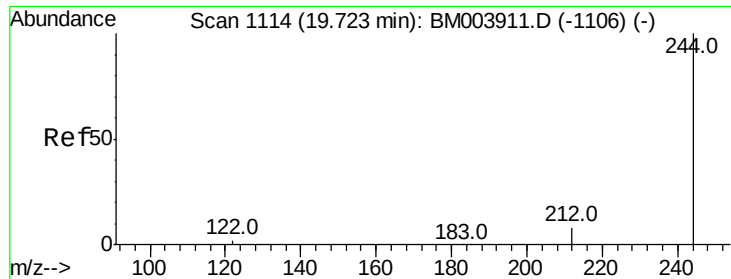
0

21.27

21.20 21.40

Time-->





#29

Terphenyl-d14

Concen: 4.35 ng

RT: 19.71 min Scan# 1113

Delta R.T. -0.02 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

Instrument :

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ClientSampleId :

PB87603BL

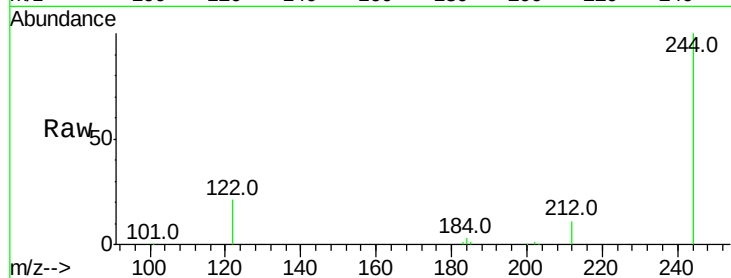
Tot Ion:244 Resp: 102357

Ion Ratio Lower Upper

244 100

212 11.4 7.0 10.6#

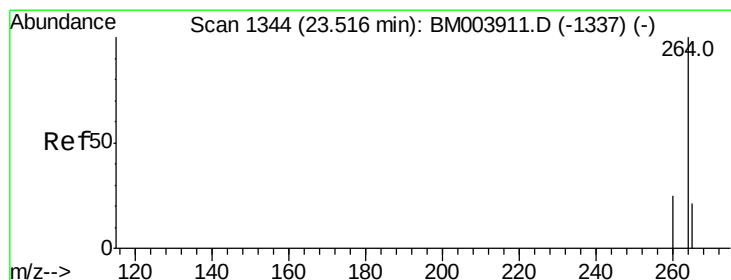
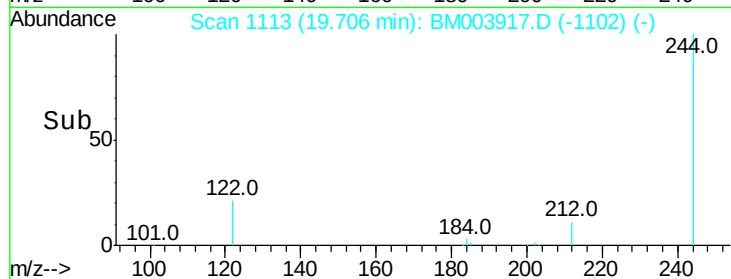
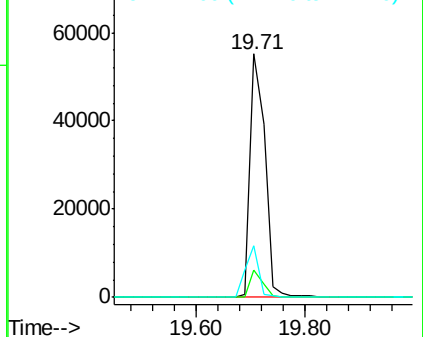
122 21.1 3.0 4.6#



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



#35

Perylene-d12

Concen: 5.00 ng

RT: 23.52 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BM003917.D

Acq: 31 Dec 2015 16:52

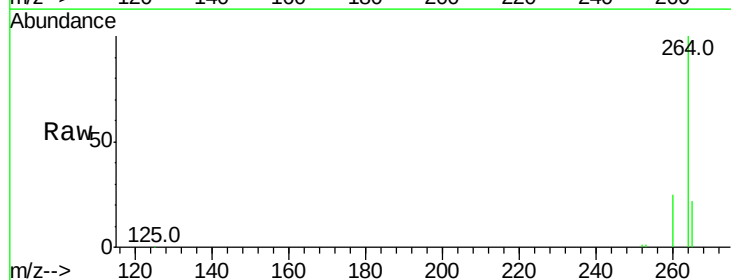
Tgt Ion:264 Resp: 106530

Ion Ratio Lower Upper

264 100

260 24.8 21.2 31.8

265 22.4 16.7 25.1



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

