

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101615\  
 Data File : BM002931.D  
 Acq On : 16 Oct 2015 13:05  
 Operator : UM/IZ  
 Sample : PB86139BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB86139BL

Quant Time: Oct 16 23:05:24 2015  
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM101515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 16 22:59:32 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.66  | 152  | 80630    | 5.00 | ng    | 0.00     |
| 7) Naphthalene-d8           | 11.50 | 136  | 333065   | 5.00 | ng    | 0.01     |
| 13) Acenaphthene-d10        | 15.23 | 164  | 185547   | 5.00 | ng    | 0.00     |
| 19) Phenanthrene-d10        | 17.95 | 188  | 414072   | 5.00 | ng    | 0.00     |
| 26) Chrysene-d12            | 22.04 | 240  | 406068   | 5.00 | ng    | 0.00     |
| 35) Perylene-d12            | 24.61 | 264  | 347471   | 5.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |      |       |          |
| 4) 2-Fluorophenol           | 6.12  | 112  | 109588   | 7.27 | ng    | -0.03    |
| 5) Phenol-d6                | 7.77  | 99   | 140030   | 7.28 | ng    | -0.02    |
| 8) Nitrobenzene-d5          | 9.85  | 82   | 54395    | 3.41 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.72 | 330  | 39759    | 5.52 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.88 | 172  | 202417   | 3.41 | ng    | 0.00     |
| 29) Terphenyl-d14           | 20.48 | 244  | 201361   | 3.31 | ng    | 0.00     |

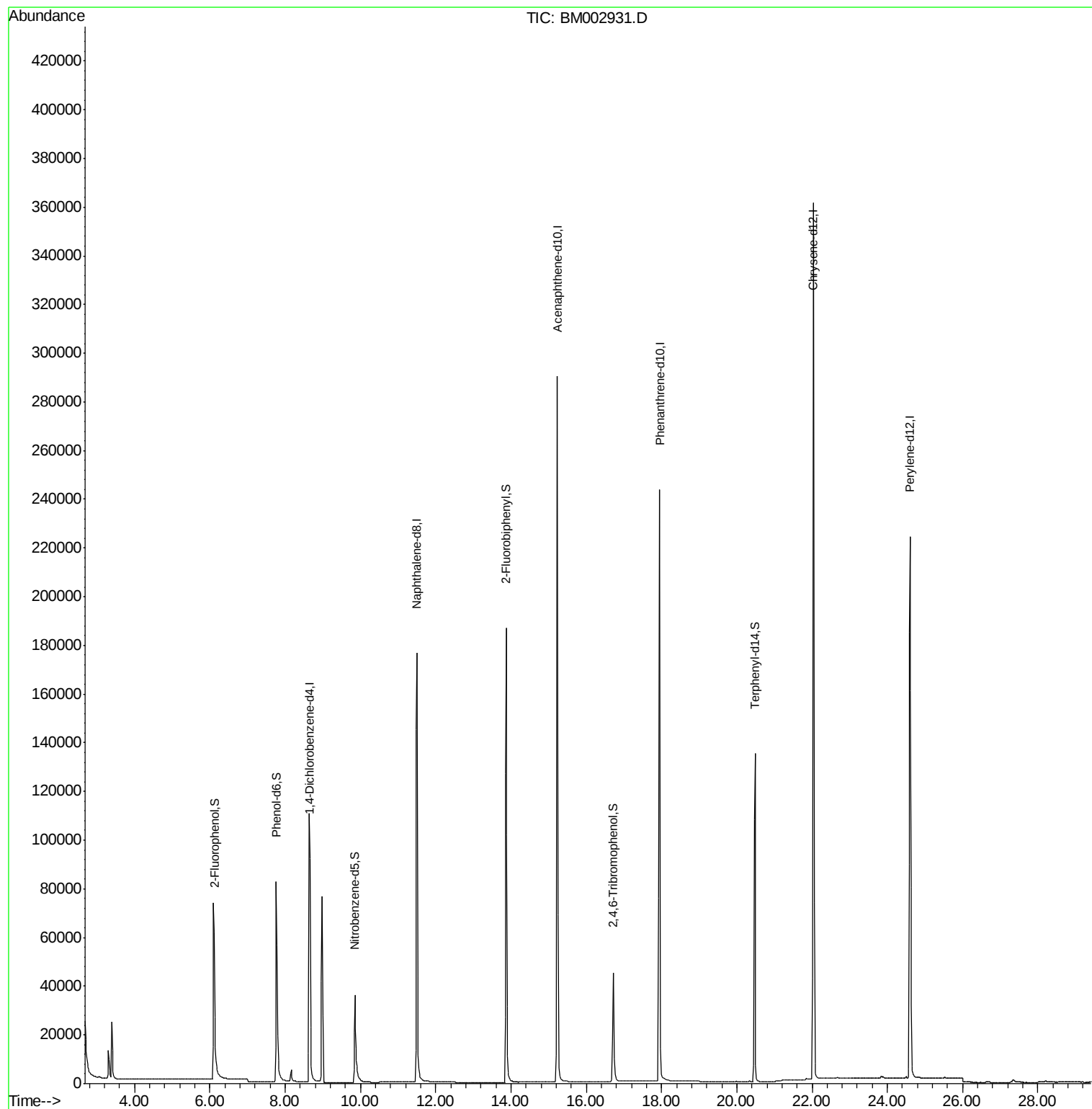
Target Compounds Qvalue

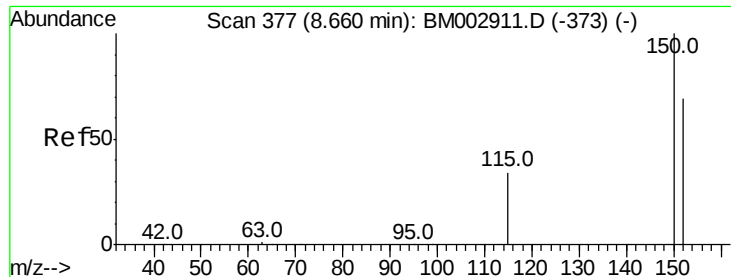
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101615\  
Data File : BM002931.D  
Acq On : 16 Oct 2015 13:05  
Operator : UM/IZ  
Sample : PB86139BL  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB86139BL

Quant Time: Oct 16 23:05:24 2015  
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM101515.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Oct 16 22:59:32 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 8.66 min Scan# 377

Delta R.T. -0.00 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

Instrument :

BNA\_M

ClientSampleId :

PB86139BL

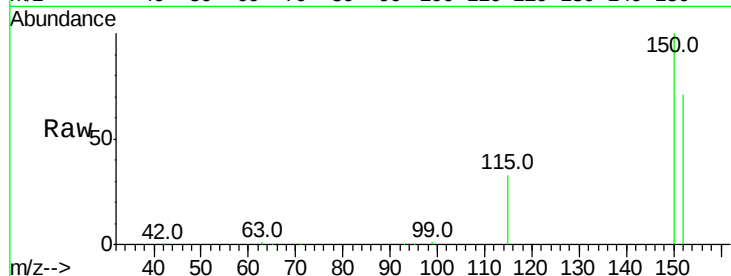
Tot Ion:152 Resp: 80630

Ion Ratio Lower Upper

152 100

150 140.5 113.0 169.6

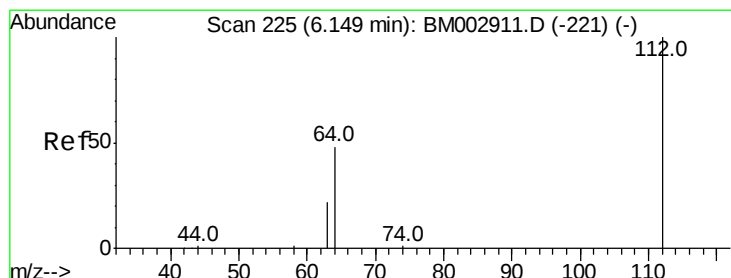
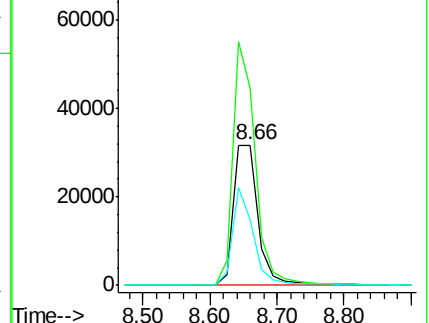
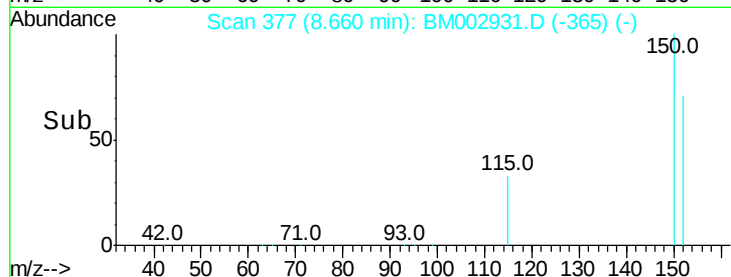
115 46.7 37.9 56.9



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: 7.27 ng

RT: 6.12 min Scan# 223

Delta R.T. -0.03 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

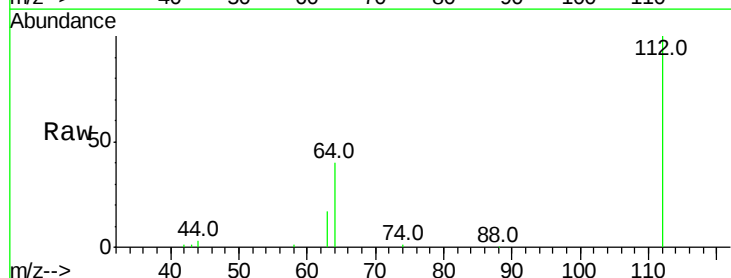
Tgt Ion:112 Resp: 109588

Ion Ratio Lower Upper

112 100

64 51.6 42.0 63.0

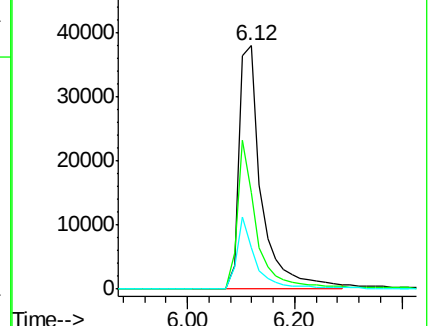
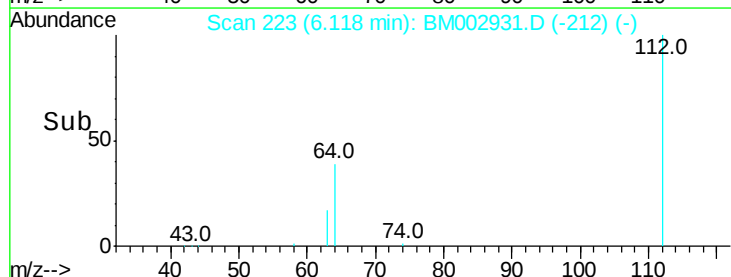
63 24.5 20.0 30.0

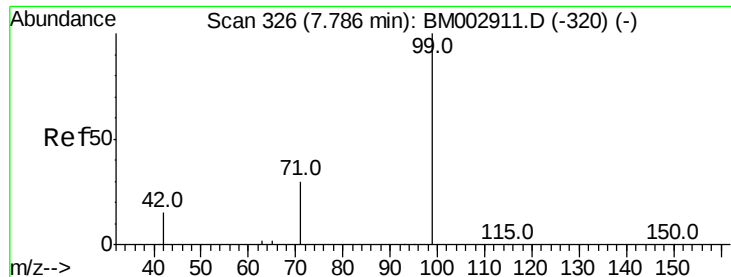


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 7.28 ng

RT: 7.77 min Scan# 325

Delta R.T. -0.02 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

Instrument :

BNA\_M

ClientSampleId :

PB86139BL

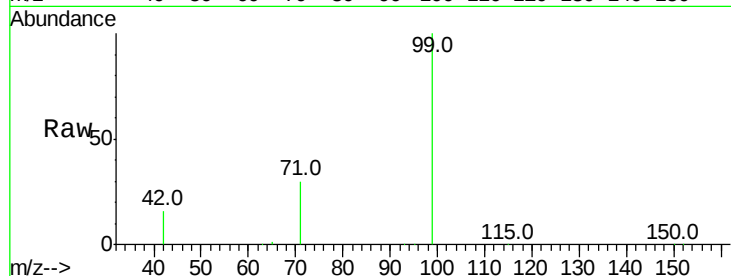
Tot Ion: 99 Resp: 140030

Ion Ratio Lower Upper

99 100

42 14.9 12.4 18.6

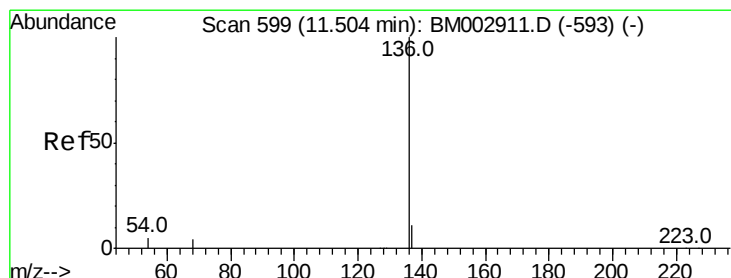
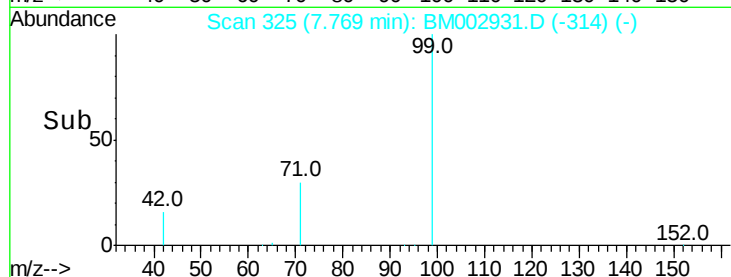
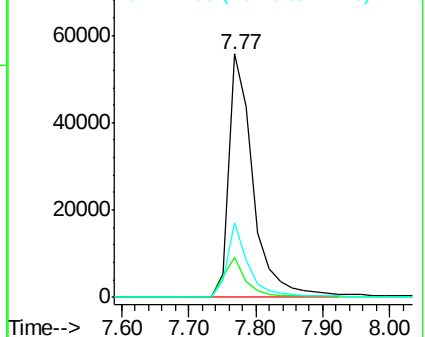
71 26.5 21.4 32.0



Abundance Ion 99.00 (98.70 to 99.70): BM002931.D (-320) (-)

Ion 42.00 (41.70 to 42.70): BM002931.D (-320) (-)

Ion 71.00 (70.70 to 71.70): BM002931.D (-320) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 11.50 min Scan# 599

Delta R.T. 0.01 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

Tgt Ion: 136 Resp: 333065

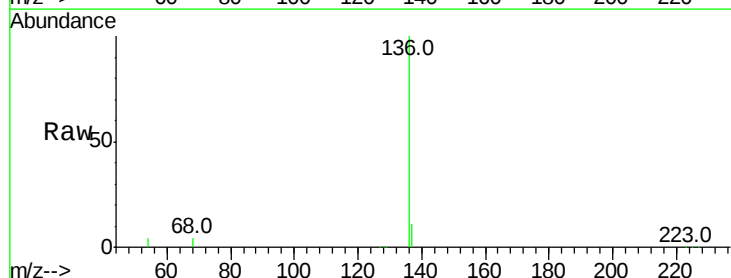
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 4.5 3.5 5.3

68 4.2 3.3 4.9

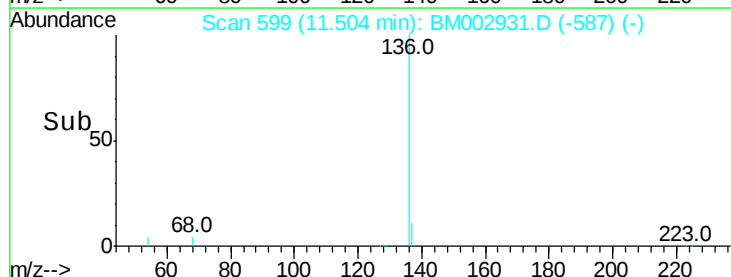
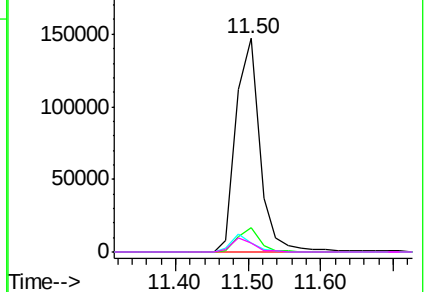


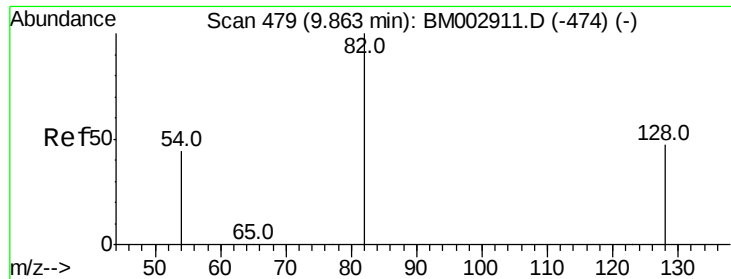
Abundance Ion 136.00 (135.70 to 136.70): BM002931.D (-593) (-)

Ion 137.00 (136.70 to 137.70): BM002931.D (-593) (-)

Ion 54.00 (53.70 to 54.70): BM002931.D (-593) (-)

Ion 68.00 (67.70 to 68.70): BM002931.D (-593) (-)





#8

Nitrobenzene-d5

Concen: 3.41 ng

RT: 9.85 min Scan# 478

Delta R.T. -0.00 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

Instrument :

BNA\_M

ClientSampleId :

PB86139BL

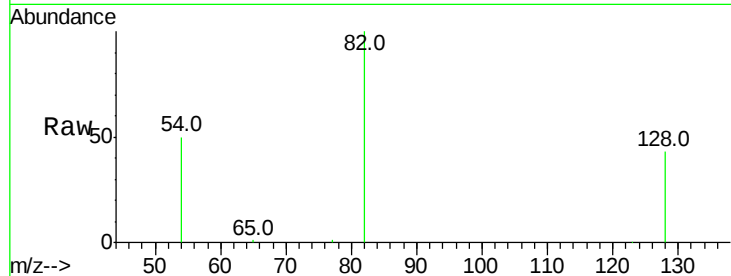
Tot Ion: 82 Resp: 54395

Ion Ratio Lower Upper

82 100

128 43.3 34.1 51.1

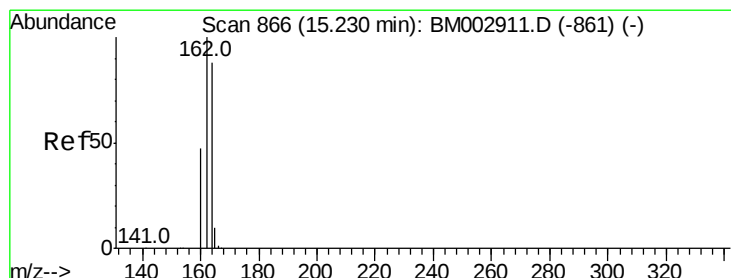
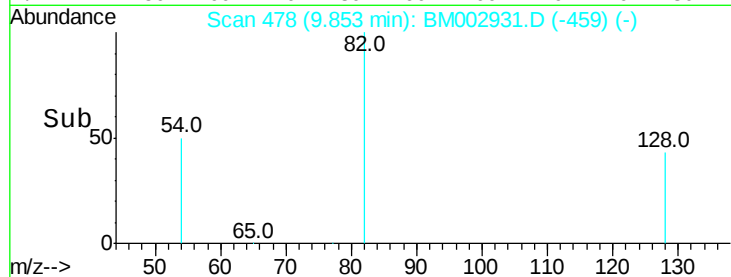
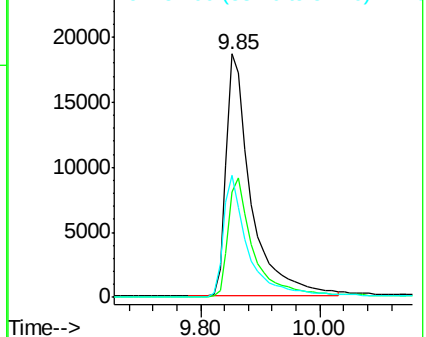
54 49.9 42.6 63.8



Abundance Ion 82.00 (81.70 to 82.70): BM002931.D (-474) (-)

Ion 128.00 (127.70 to 128.70): BM002931.D (-474) (-)

Ion 54.00 (53.70 to 54.70): BM002931.D (-474) (-)



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 15.23 min Scan# 866

Delta R.T. 0.00 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

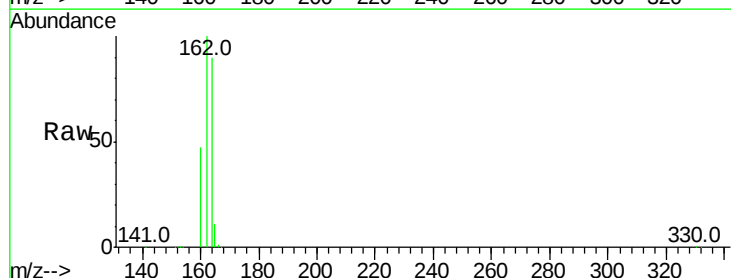
Tgt Ion: 164 Resp: 185547

Ion Ratio Lower Upper

164 100

162 111.6 79.6 119.4

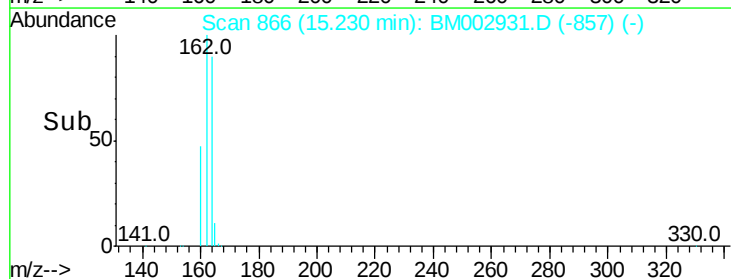
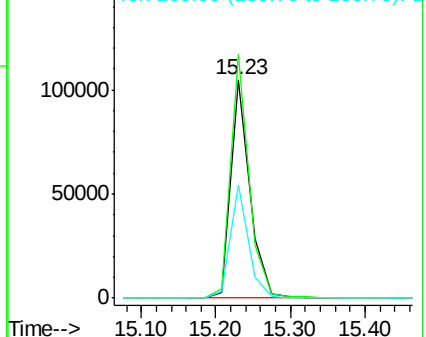
160 52.0 33.1 49.7#

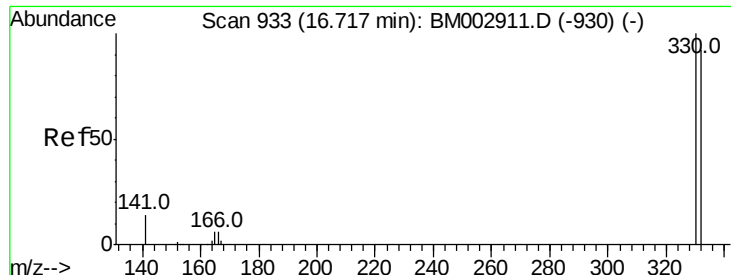


Abundance Ion 164.00 (163.70 to 164.70): BM002931.D (-861) (-)

Ion 162.00 (161.70 to 162.70): BM002931.D (-861) (-)

Ion 160.00 (159.70 to 160.70): BM002931.D (-861) (-)

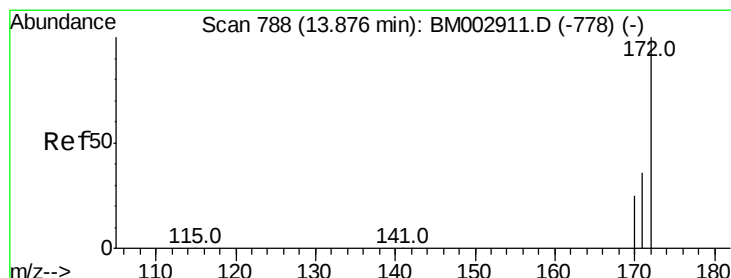
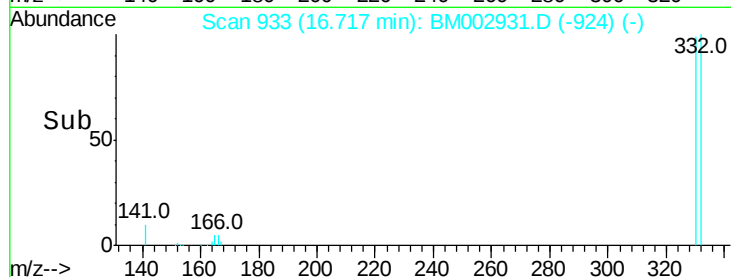
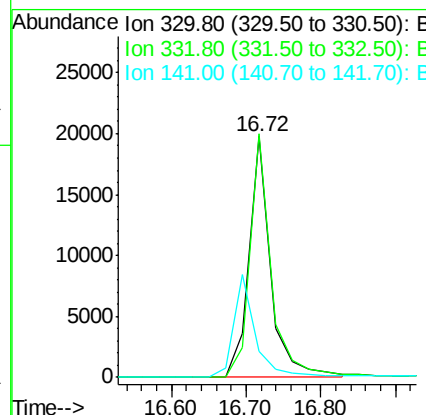
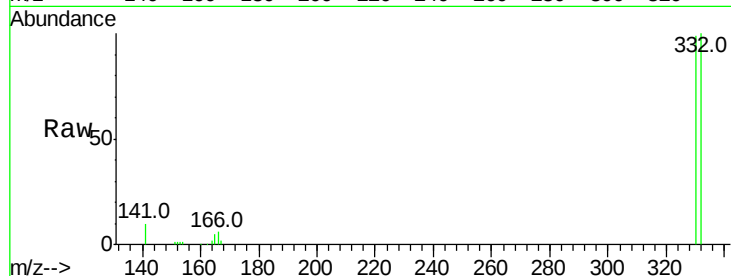




#14  
 2,4,6-Tribromophenol  
 Concen: 5.52 ng  
 RT: 16.72 min Scan# 933  
 Delta R.T. 0.00 min  
 Lab File: BM002931.D  
 Acq: 16 Oct 2015 13:05

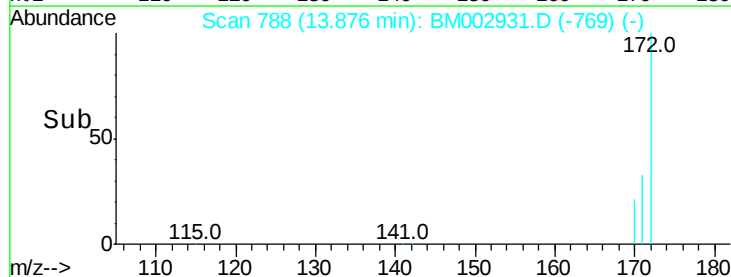
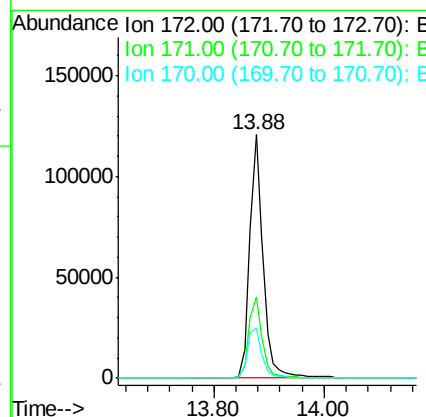
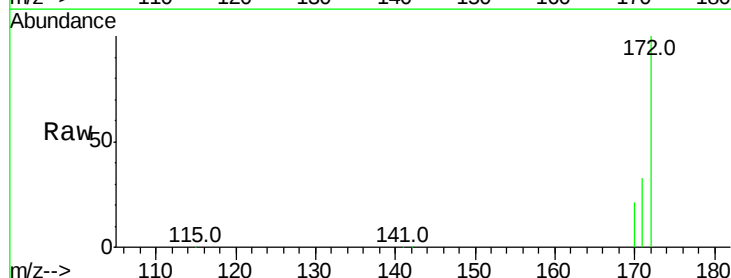
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB86139BL

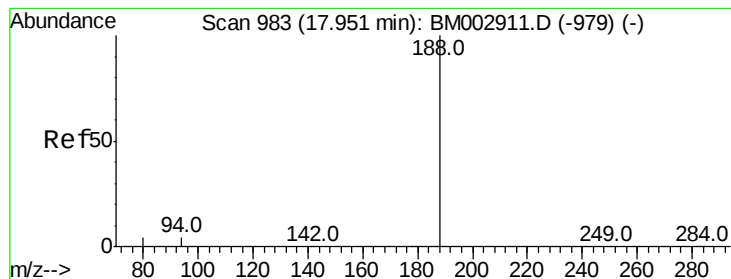
Tot Ion:330 Resp: 39759  
 Ion Ratio Lower Upper  
 330 100  
 332 98.0 76.6 115.0  
 141 0.0 0.0 0.0



#15  
 2-Fluorobiphenyl  
 Concen: 3.41 ng  
 RT: 13.88 min Scan# 788  
 Delta R.T. 0.00 min  
 Lab File: BM002931.D  
 Acq: 16 Oct 2015 13:05

Tgt Ion:172 Resp: 202417  
 Ion Ratio Lower Upper  
 172 100  
 171 33.4 26.1 39.1  
 170 20.9 15.7 23.5





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.95 min Scan# 983

Delta R.T. 0.01 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

Instrument :

BNA\_M

ClientSampleId :

PB86139BL

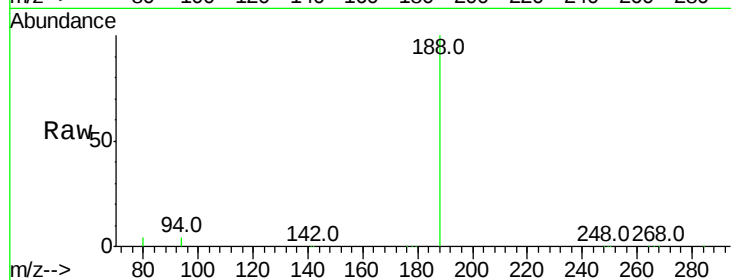
Tot Ion:188 Resp: 414072

Ion Ratio Lower Upper

188 100

94 4.5 15.2 22.8#

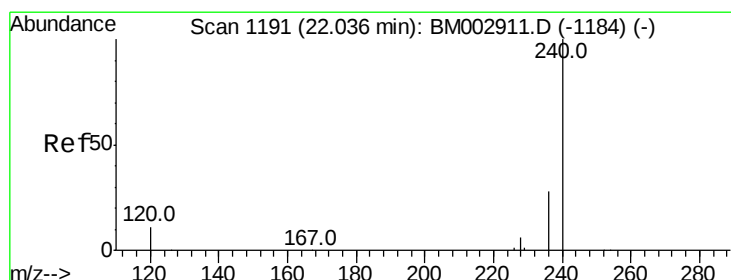
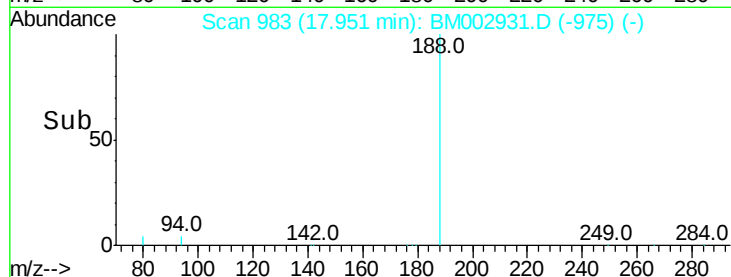
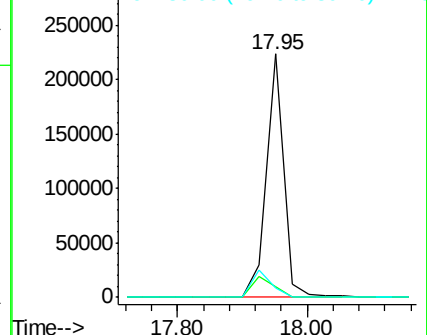
80 3.9 15.9 23.9#



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 22.04 min Scan# 1191

Delta R.T. 0.01 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

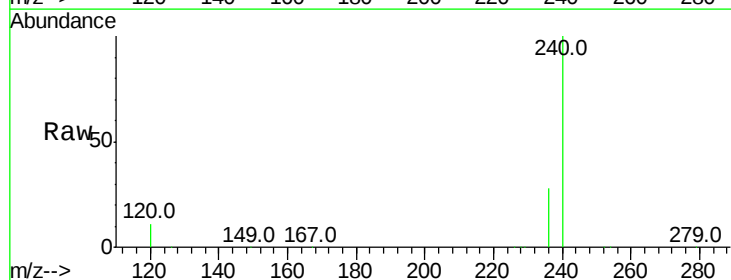
Tgt Ion:240 Resp: 406068

Ion Ratio Lower Upper

240 100

120 11.4 3.3 4.9#

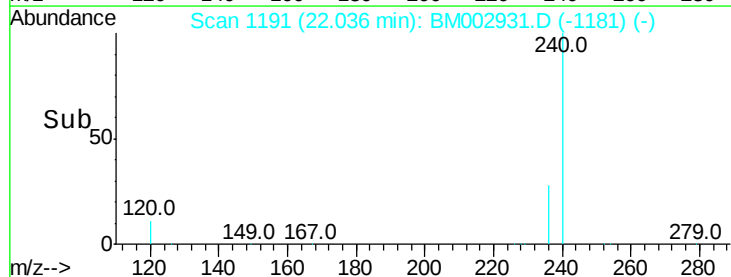
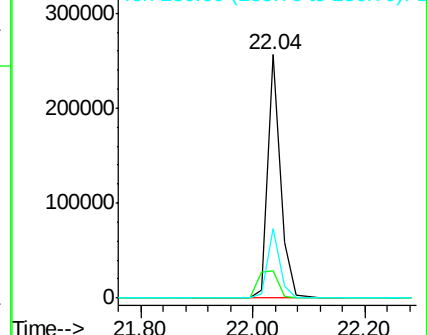
236 28.4 19.5 29.3

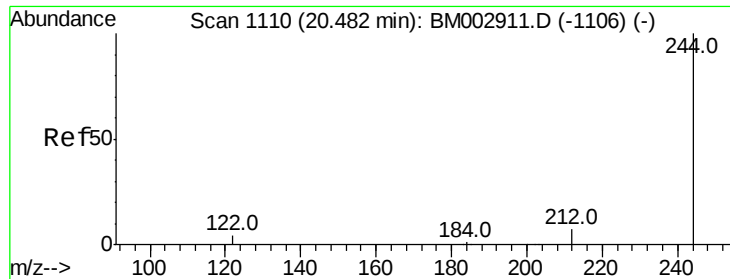


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#29

Terphenyl-d14

Concen: 3.31 ng

RT: 20.48 min Scan# 1110

Delta R.T. 0.01 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

Instrument :

BNA\_M

ClientSampleId :

PB86139BL

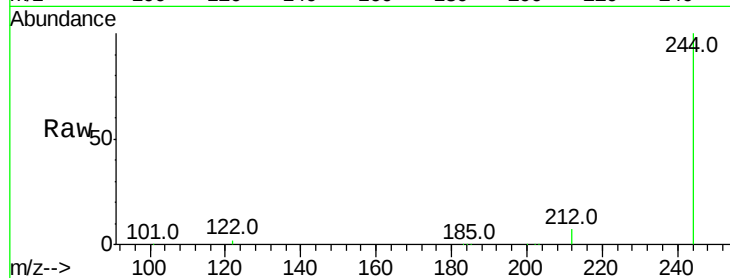
Tot Ion:244 Resp: 201361

Ion Ratio Lower Upper

244 100

212 7.3 5.6 8.4

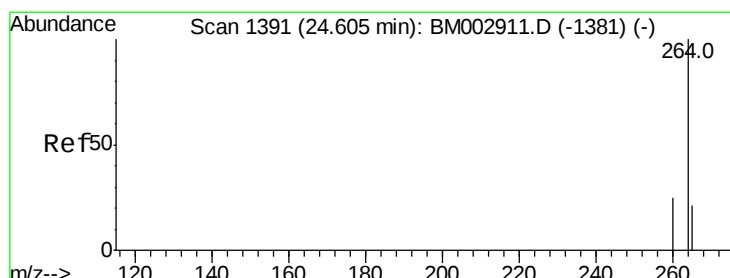
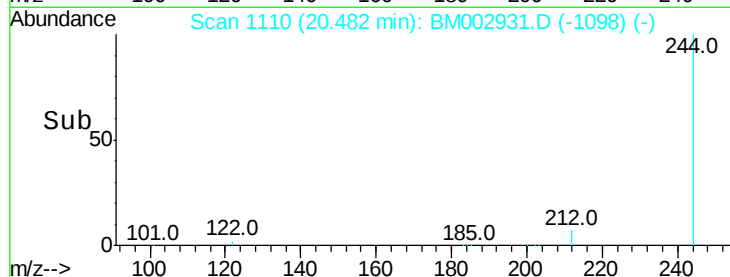
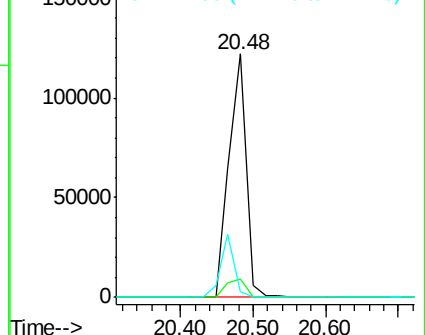
122 2.3 2.2 3.2



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: 24.61 min Scan# 1391

Delta R.T. 0.01 min

Lab File: BM002931.D

Acq: 16 Oct 2015 13:05

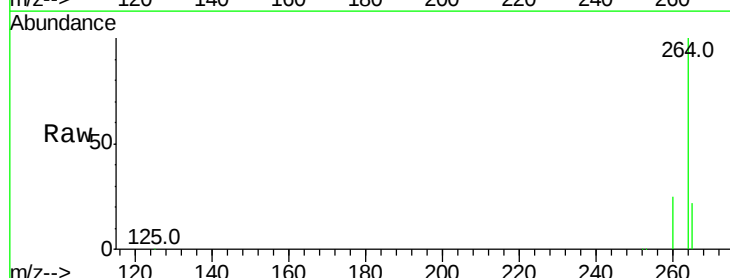
Tgt Ion:264 Resp: 347471

Ion Ratio Lower Upper

264 100

260 24.6 20.1 30.1

265 22.0 17.6 26.4



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

