

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM050617\  
 Data File : BM009951.D  
 Acq On : 06 May 2017 21:27  
 Operator : SJ/MA  
 Sample : PB98726TB  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB98726TB

Quant Time: May 08 06:52:19 2017  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-BM050517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 05 14:52:12 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.77  | 152  | 83402    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.57 | 136  | 329592   | 20.00  | ng    | -0.01    |
| 38) Acenaphthene-d10        | 14.43 | 164  | 203036   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.19 | 188  | 511481   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 21.37 | 240  | 586620   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 23.67 | 264  | 480484   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.36  | 112  | 833178   | 159.04 | ng    | 0.00     |
| 7) Phenol-d6                | 6.96  | 99   | 1205340  | 150.10 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 8.95  | 82   | 867004   | 95.19  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 15.93 | 330  | 416490   | 150.19 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.04 | 172  | 1489133  | 95.56  | ng    | -0.01    |
| 78) Terphenyl-d14           | 19.81 | 244  | 2723640  | 95.25  | ng    | 0.00     |

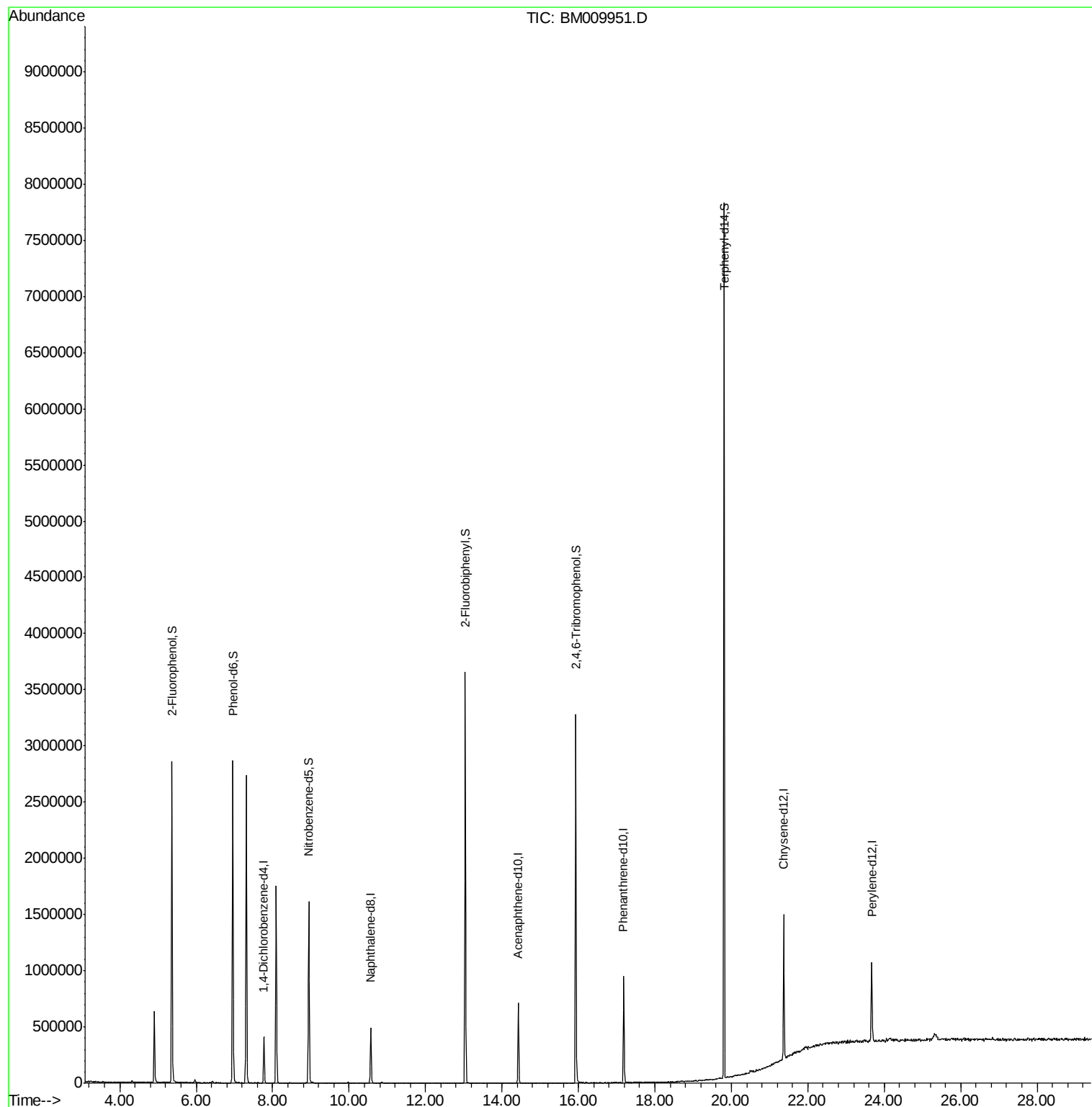
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

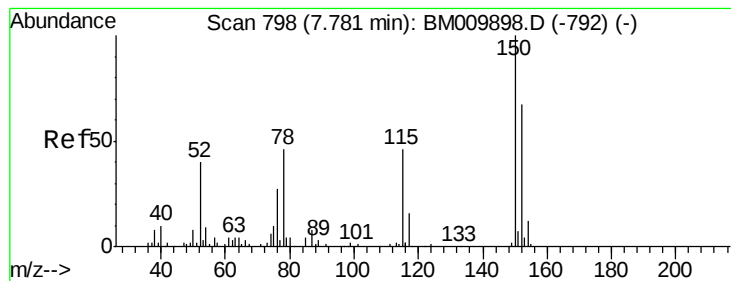
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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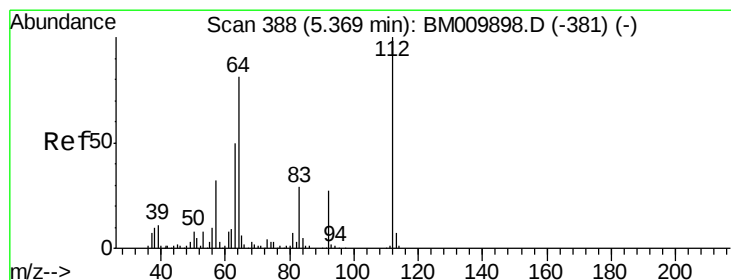
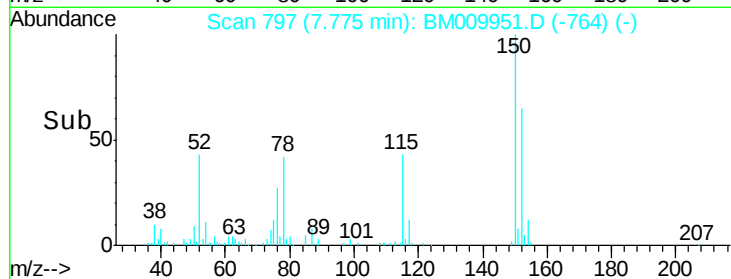
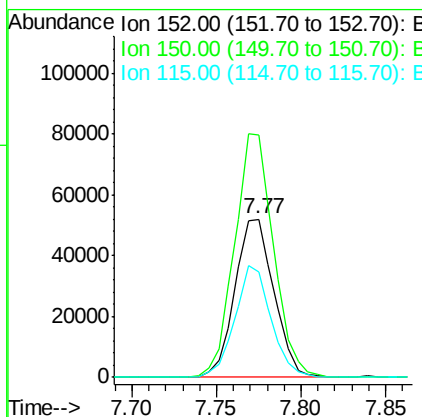
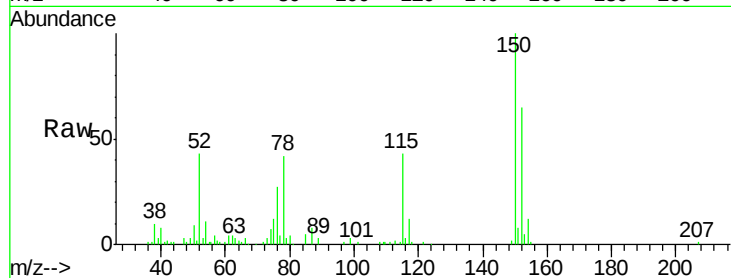


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.77 min Scan# 797  
 Delta R.T. -0.01 min  
 Lab File: BM009951.D  
 Acq: 06 May 2017 21:27

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB98726TB

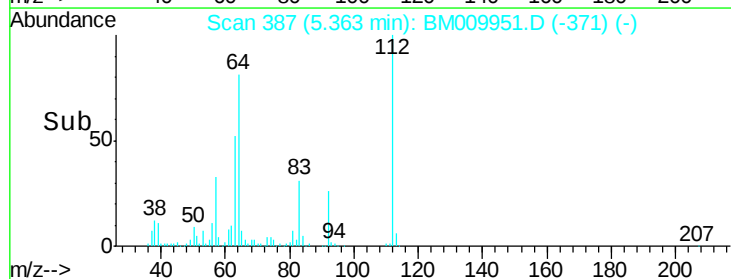
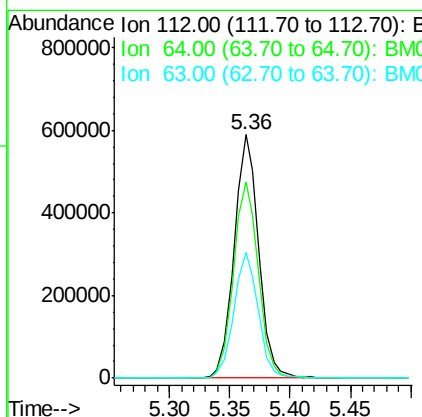
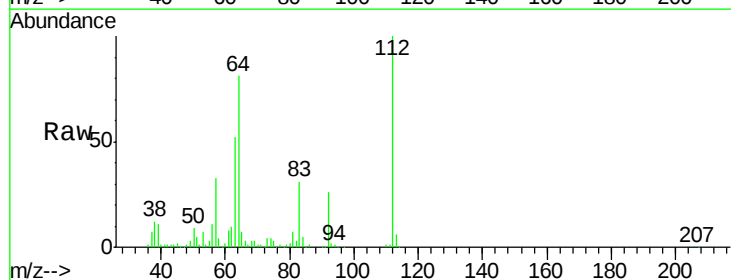
Tgt Ion:152 Resp: 83402  
 Ion Ratio Lower Upper  
 152 100  
 150 153.1 119.5 179.3  
 115 66.3 43.0 64.4#

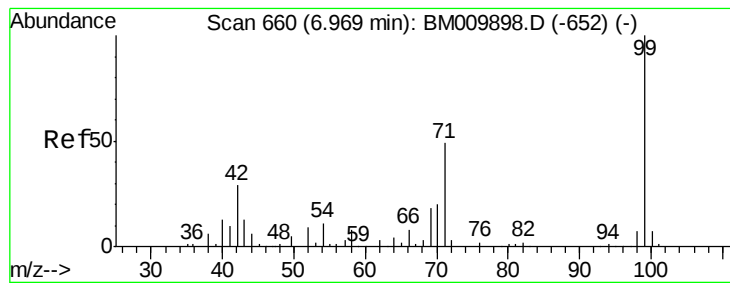


#5

2-Fluorophenol  
 Concen: 159.04 ng  
 RT: 5.36 min Scan# 387  
 Delta R.T. -0.01 min  
 Lab File: BM009951.D  
 Acq: 06 May 2017 21:27

Tgt Ion:112 Resp: 833178  
 Ion Ratio Lower Upper  
 112 100  
 64 80.5 38.6 57.8#  
 63 51.6 19.3 28.9#





#7

Phenol-d6

Concen: 150.10 ng

RT: 6.96 min Scan# 658

Delta R.T. -0.01 min

Lab File: BM009951.D

Acq: 06 May 2017 21:27

Instrument :

BNA\_M

ClientSampled :

PB98726TB

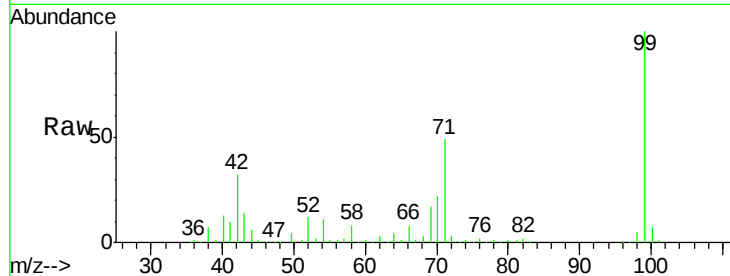
Tgt Ion: 99 Resp: 1205340

Ion Ratio Lower Upper

99 100

42 31.7 11.0 16.4#

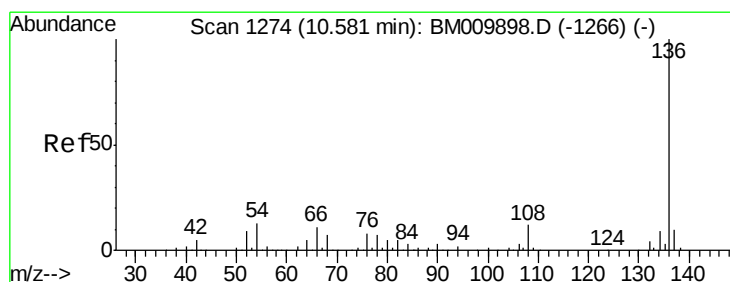
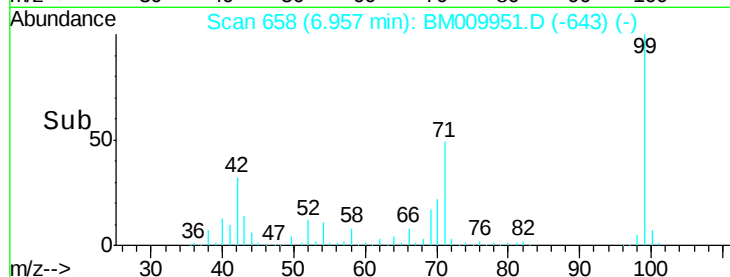
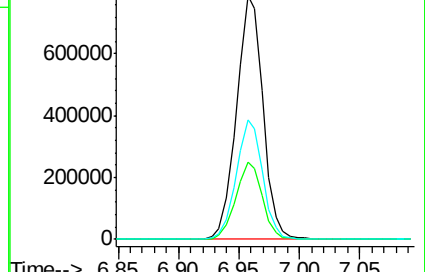
71 48.8 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM009898.D (-652) (-)

Ion 42.00 (41.70 to 42.70): BM009898.D (-652) (-)

Ion 71.00 (70.70 to 71.70): BM009898.D (-652) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BM009951.D

Acq: 06 May 2017 21:27

Tgt Ion: 136 Resp: 329592

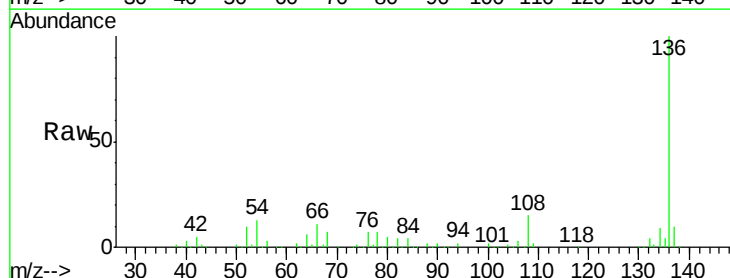
Ion Ratio Lower Upper

136 100

137 9.8 8.7 13.1

54 12.8 4.6 6.8#

68 7.4 3.7 5.5#

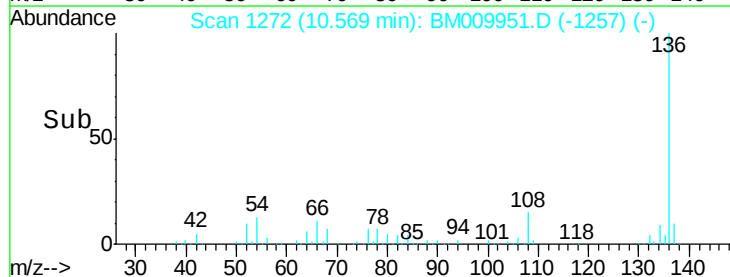
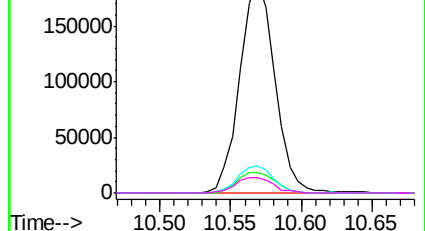


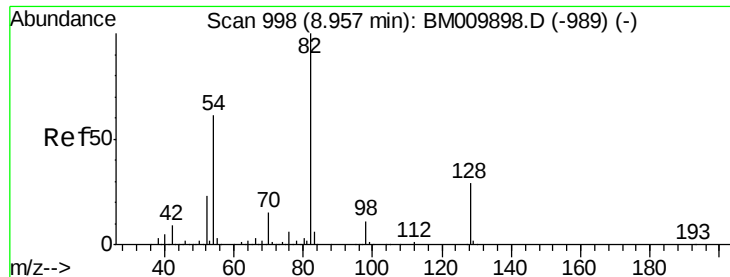
Abundance Ion 136.00 (135.70 to 136.70): BM009898.D (-1266) (-)

Ion 137.00 (136.70 to 137.70): BM009898.D (-1266) (-)

Ion 54.00 (53.70 to 54.70): BM009898.D (-1266) (-)

Ion 68.00 (67.70 to 68.70): BM009898.D (-1266) (-)

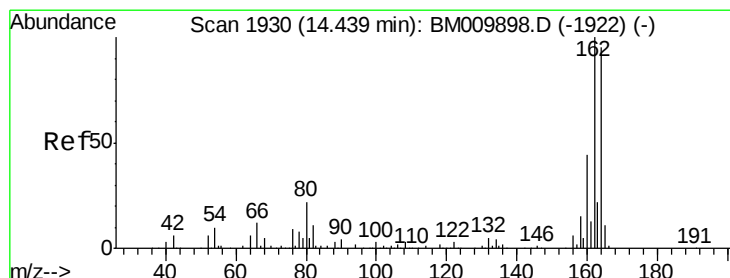
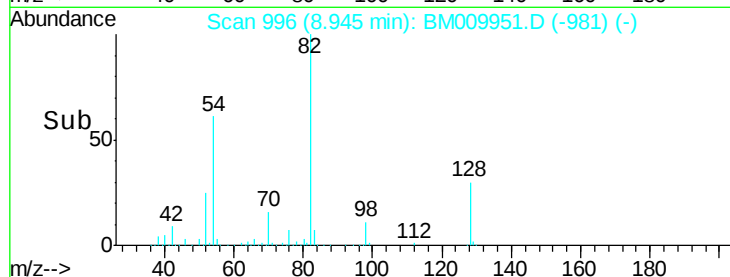
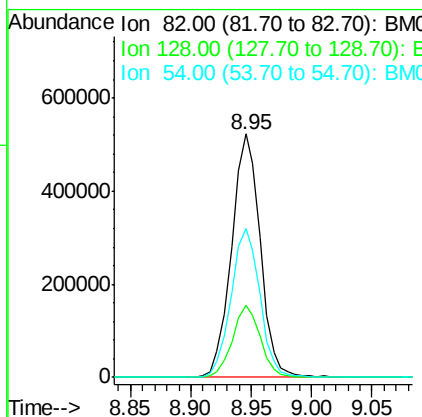
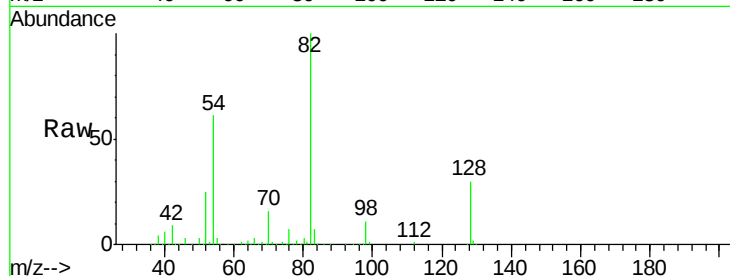




#23  
 Nitrobenzene-d5  
 Concen: 95.19 ng  
 RT: 8.95 min Scan# 996  
 Delta R.T. -0.01 min  
 Lab File: BM009951.D  
 Acq: 06 May 2017 21:27

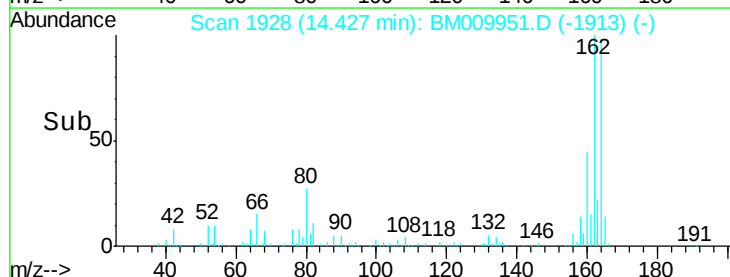
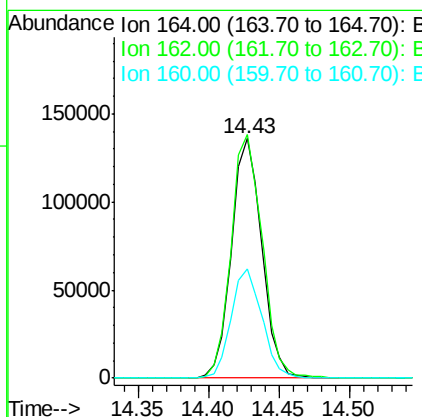
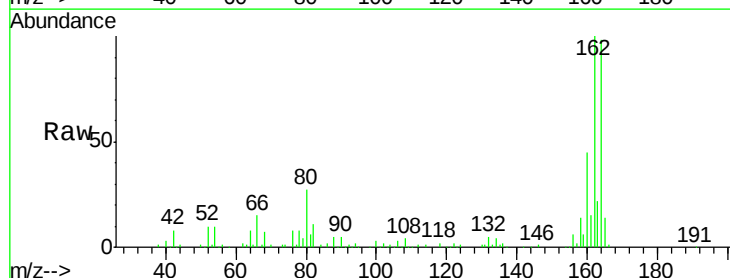
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB98726TB

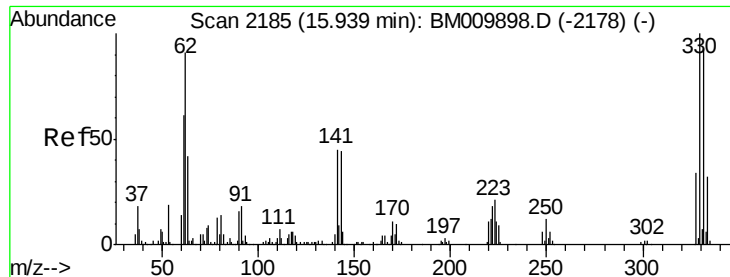
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 29.6  | 32.8  | 49.2# |
| 54      | 61.3  | 40.6  | 60.8# |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.43 min Scan# 1928  
 Delta R.T. -0.01 min  
 Lab File: BM009951.D  
 Acq: 06 May 2017 21:27

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.6 | 82.4  | 123.6 |
| 160     | 45.5  | 35.8  | 53.6  |





#41

2,4,6-Tribromophenol

Concen: 150.19 ng

RT: 15.93 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BM009951.D

Acq: 06 May 2017 21:27

Instrument :

BNA\_M

ClientSampleId :

PB98726TB

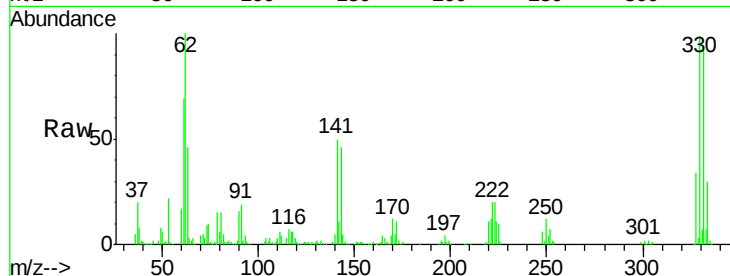
Tgt Ion:330 Resp: 416490

Ion Ratio Lower Upper

330 100

332 97.5 0.0 0.0#

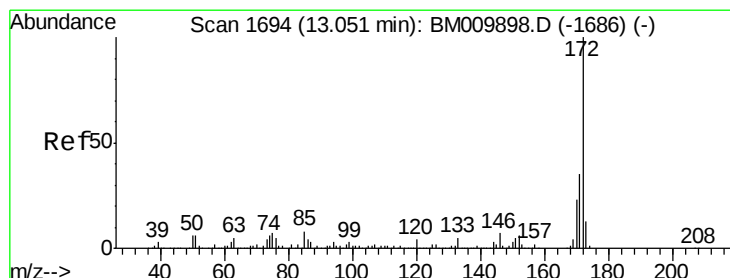
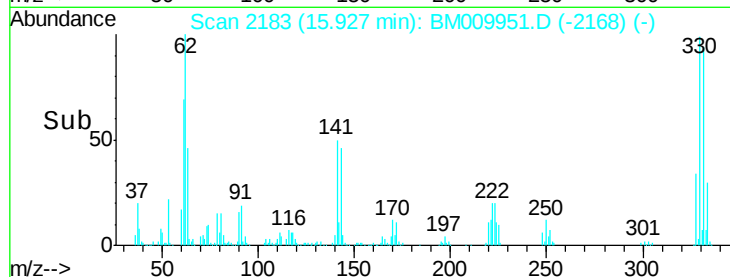
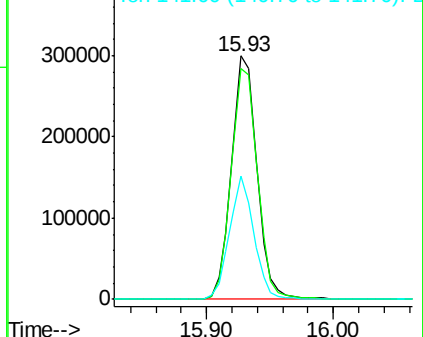
141 48.2 0.0 0.0#



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: 95.56 ng

RT: 13.04 min Scan# 1692

Delta R.T. -0.01 min

Lab File: BM009951.D

Acq: 06 May 2017 21:27

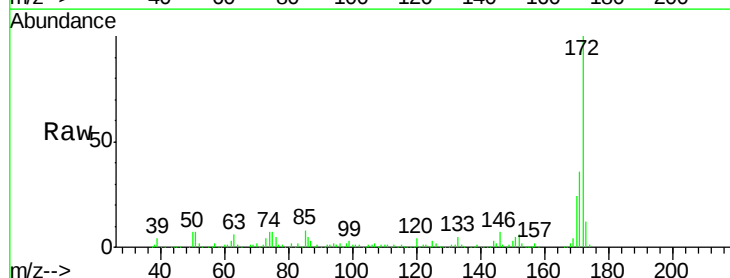
Tgt Ion:172 Resp: 1489133

Ion Ratio Lower Upper

172 100

171 35.9 28.5 42.7

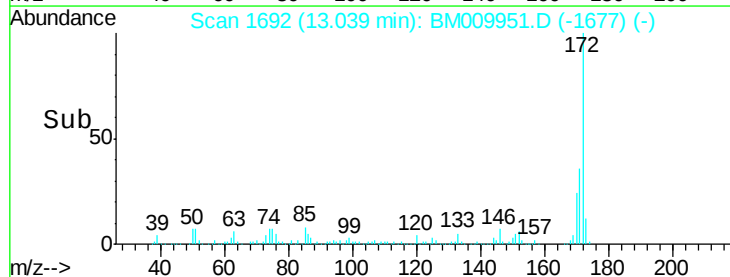
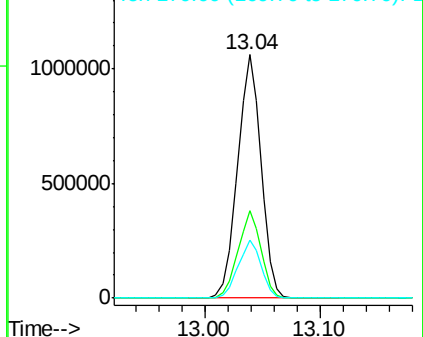
170 23.9 18.8 28.2

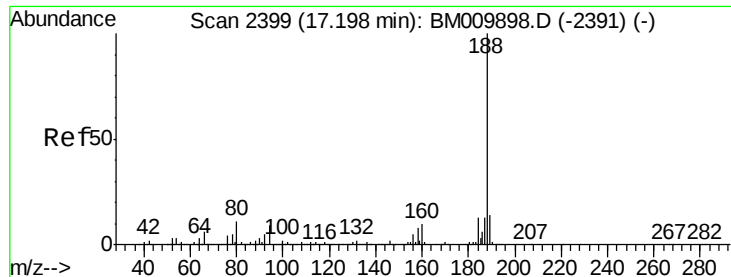


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

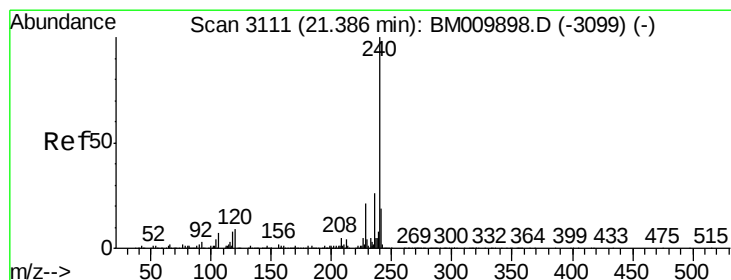
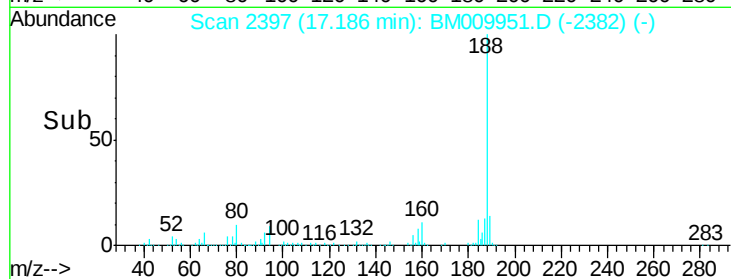
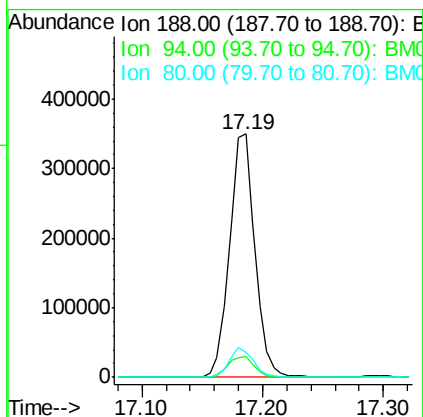
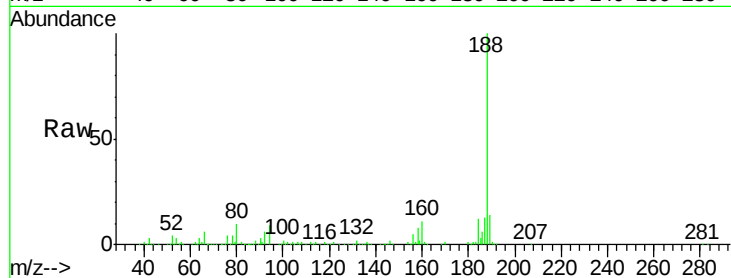




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.19 min Scan# 2397  
Delta R.T. -0.01 min  
Lab File: BM009951.D  
Acq: 06 May 2017 21:27

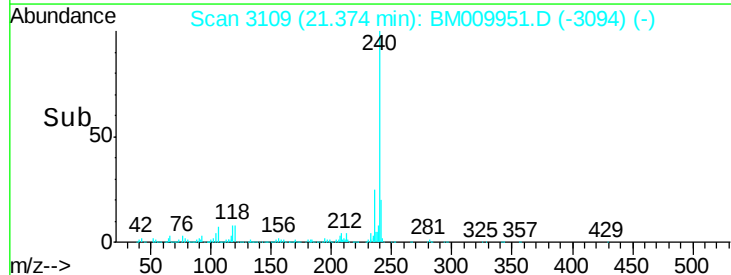
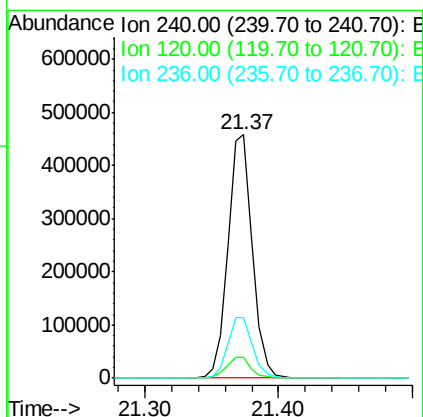
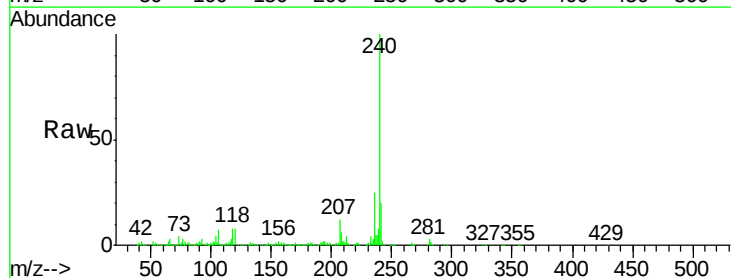
Instrument :  
BNA\_M  
ClientSampleId :  
PB98726TB

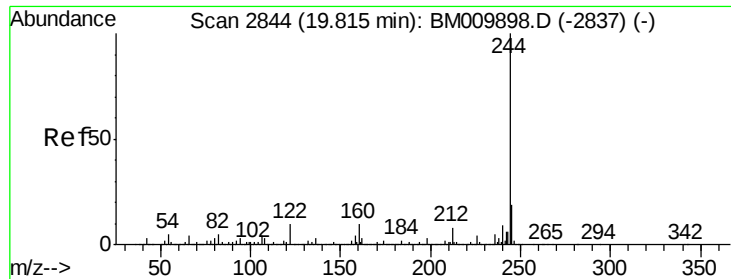
Tgt Ion:188 Resp: 511481  
Ion Ratio Lower Upper  
188 100  
94 8.7 8.7 13.1#  
80 10.3 9.3 13.9



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.37 min Scan# 3109  
Delta R.T. -0.01 min  
Lab File: BM009951.D  
Acq: 06 May 2017 21:27

Tgt Ion:240 Resp: 586620  
Ion Ratio Lower Upper  
240 100  
120 8.3 8.2 12.2  
236 25.1 20.0 30.0





#78

Terphenyl-d14

Concen: 95.25 ng

RT: 19.81 min Scan# 2843

Delta R.T. -0.01 min

Lab File: BM009951.D

Acq: 06 May 2017 21:27

Instrument :

BNA\_M

ClientSampleId :

PB98726TB

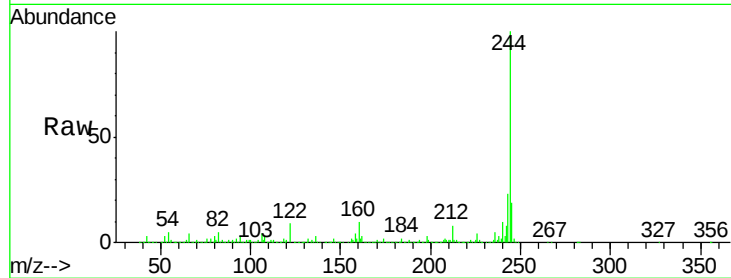
Tgt Ion:244 Resp: 2723640

Ion Ratio Lower Upper

244 100

212 8.3 4.9 7.3#

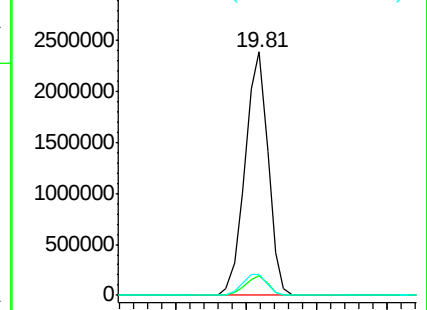
122 8.8 6.2 9.4



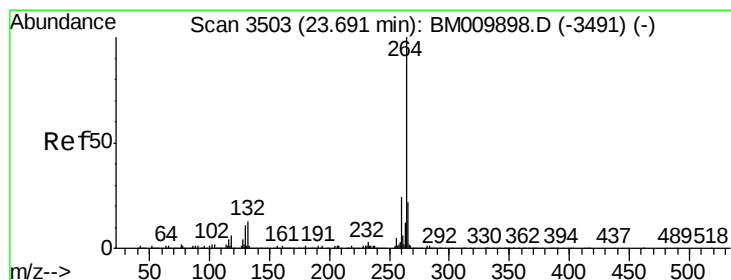
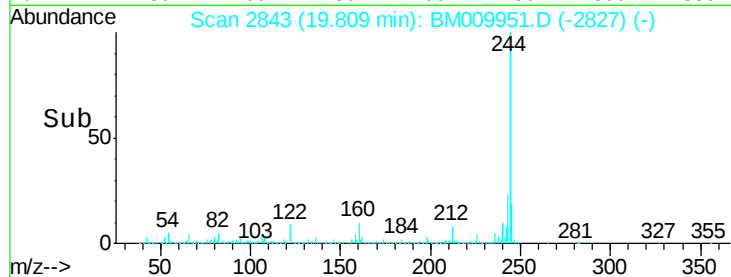
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.67 min Scan# 3500

Delta R.T. -0.02 min

Lab File: BM009951.D

Acq: 06 May 2017 21:27

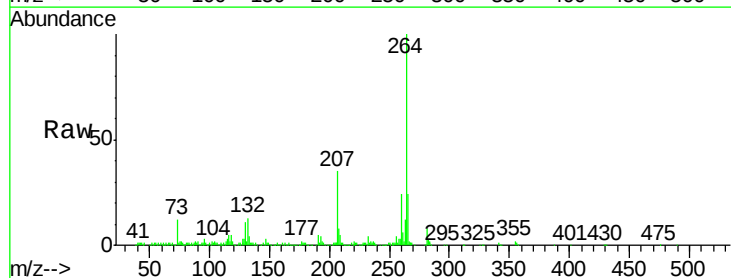
Tgt Ion:264 Resp: 480484

Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

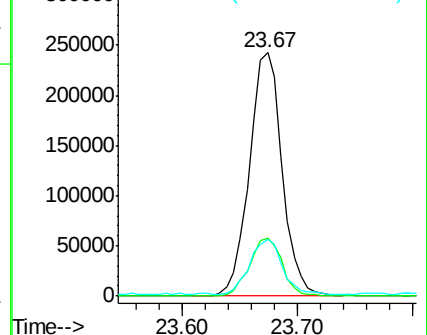
265 23.5 17.3 25.9



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



Time-->

