

Data Path : Z:\HPCHEM1\BNA\_M\DATA\BM120915\  
 Data File : BM003443.D  
 Acq On : 10 Dec 2015 09:29  
 Operator : UM/IZ  
 Sample : G4690-05  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MW-21

Quant Time: Dec 10 11:26:35 2015  
 Quant Method : Z:\HPCHEM1\BNA\_M\METHODS\8270-BM120915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 09 18:52:47 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.72  | 152  | 72075    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.51 | 136  | 319943   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.37 | 164  | 188197   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.12 | 188  | 390895   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.32 | 240  | 350795   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.57 | 264  | 331515   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 296657   | 73.18  | ng    | 0.00     |
| 7) Phenol-d6                | 6.89  | 99   | 258635   | 45.94  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.88  | 82   | 513073   | 99.43  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.87 | 330  | 291379   | 155.03 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 12.99 | 172  | 1328100  | 96.15  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.76 | 244  | 1352746  | 90.94  | ng    | 0.00     |

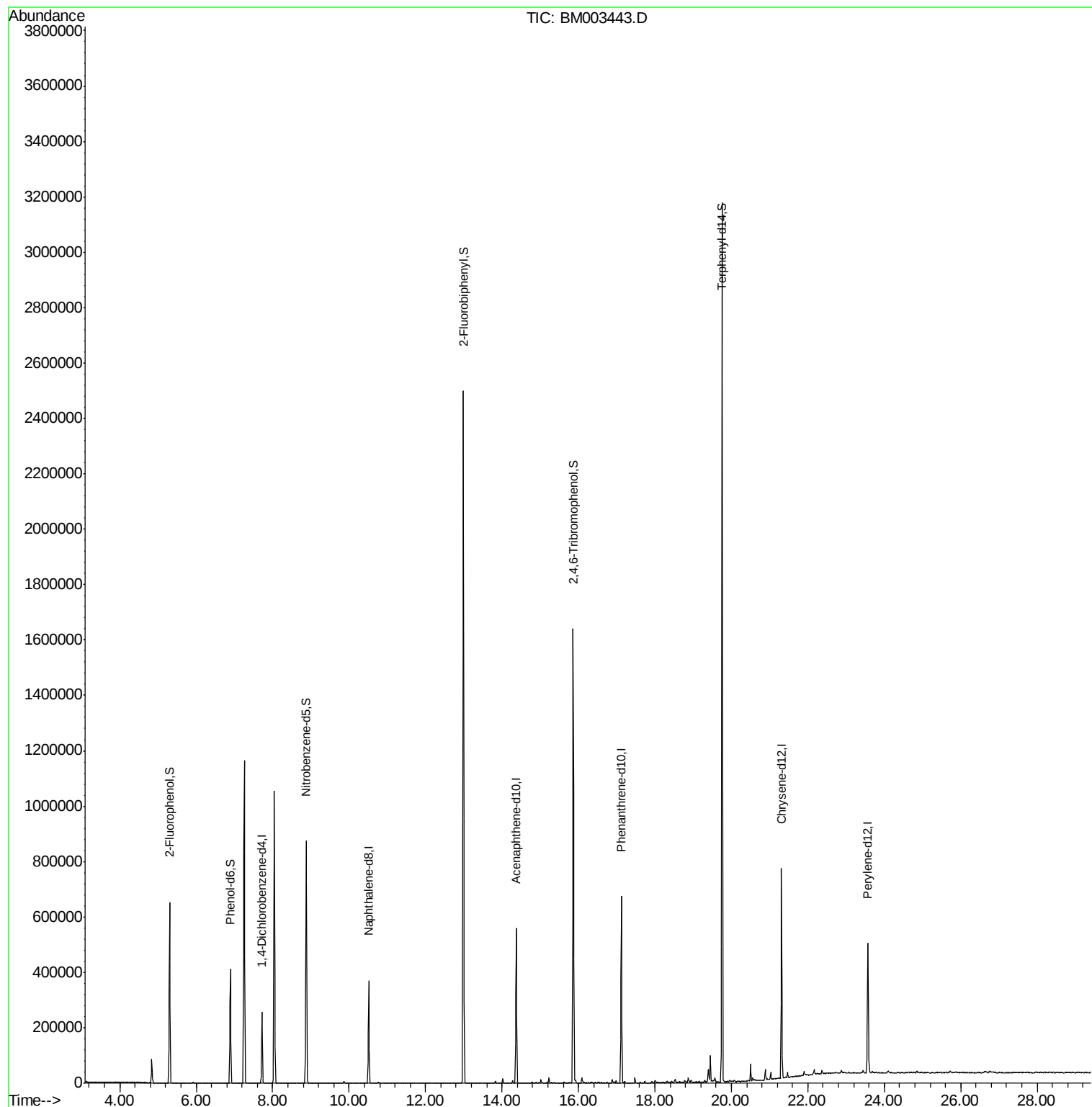
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

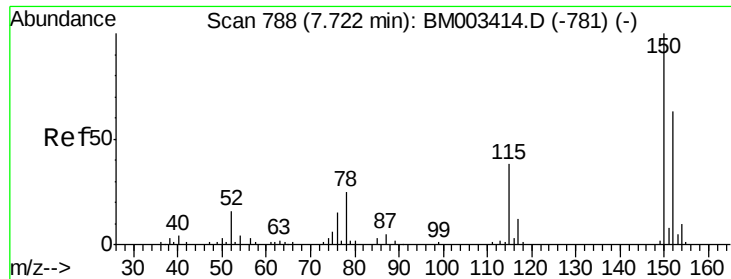
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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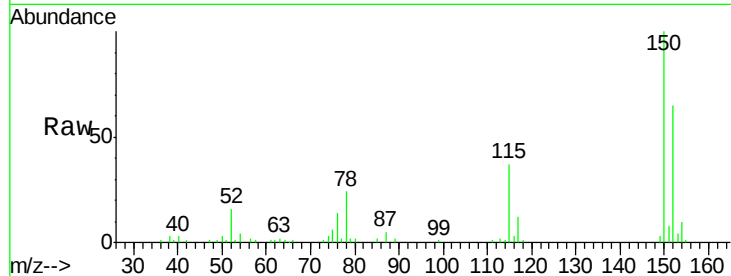




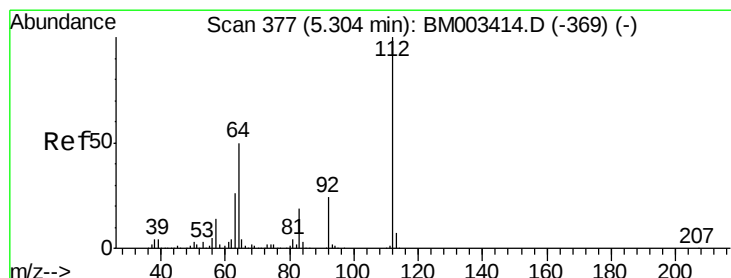
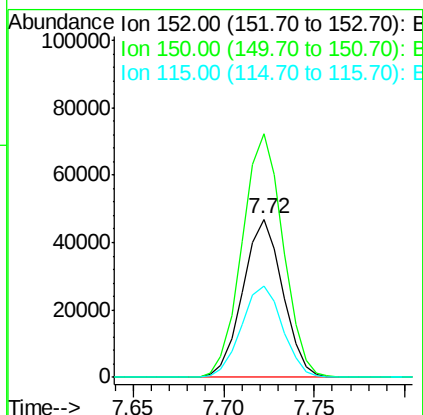
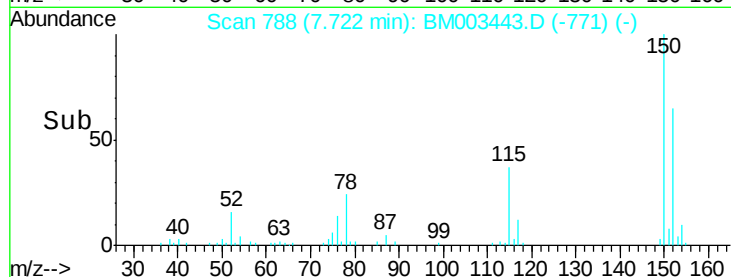
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.72 min Scan# 788  
 Delta R.T. 0.00 min  
 Lab File: BM003443.D  
 Acq: 10 Dec 2015 09:29

Instrument :  
 BNA\_M  
 ClientSampleId :  
 MW-21

Tgt Ion:152 Resp: 72075  
 Ion Ratio Lower Upper  
 152 100  
 150 153.9 119.5 179.3  
 115 57.3 43.0 64.4

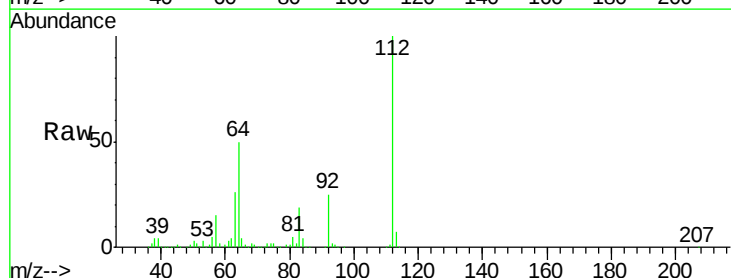


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

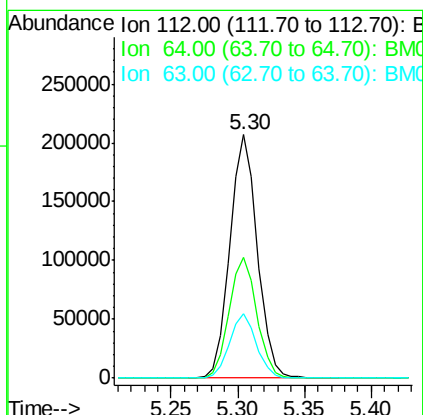
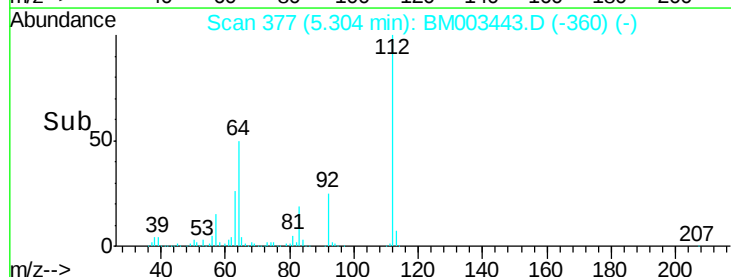


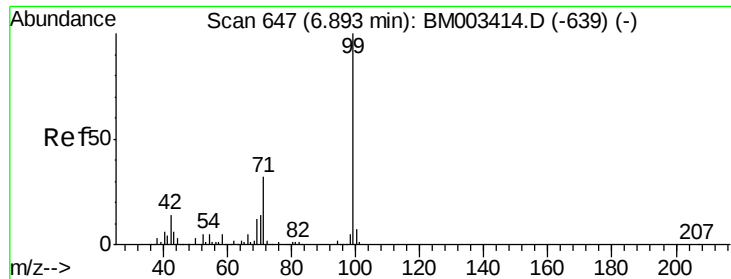
#5  
 2-Fluorophenol  
 Concen: 73.18 ng  
 RT: 5.30 min Scan# 377  
 Delta R.T. 0.00 min  
 Lab File: BM003443.D  
 Acq: 10 Dec 2015 09:29

Tgt Ion:112 Resp: 296657  
 Ion Ratio Lower Upper  
 112 100  
 64 49.8 38.6 57.8  
 63 26.2 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: 45.94 ng

RT: 6.89 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM003443.D

Acq: 10 Dec 2015 09:29

Instrument :

BNA\_M

ClientSampleId :

MW-21

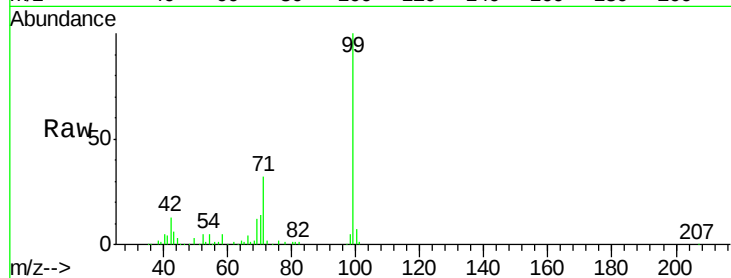
Tgt Ion: 99 Resp: 258635

Ion Ratio Lower Upper

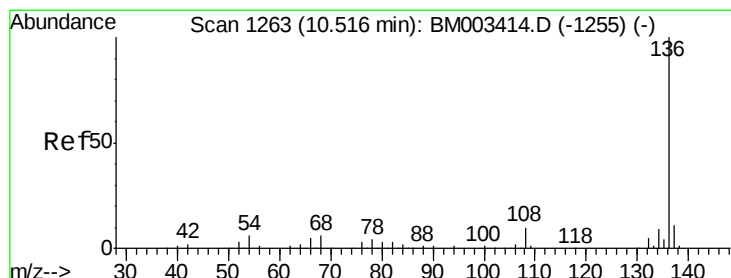
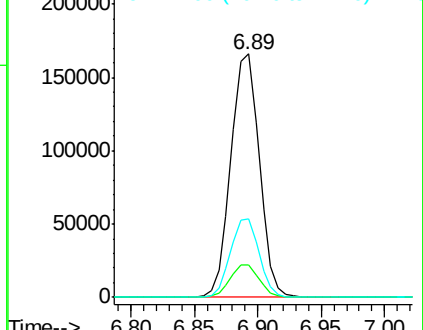
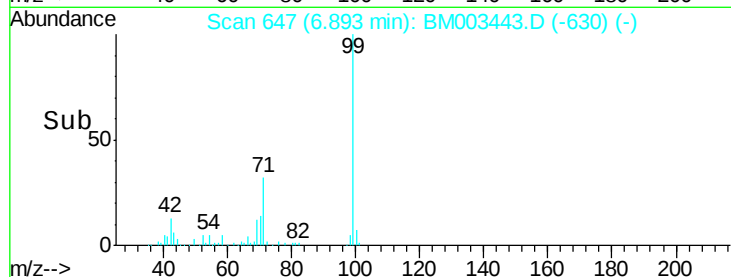
99 100

42 13.1 11.0 16.4

71 32.3 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BM003443.D (-630) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.51 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BM003443.D

Acq: 10 Dec 2015 09:29

Tgt Ion: 136 Resp: 319943

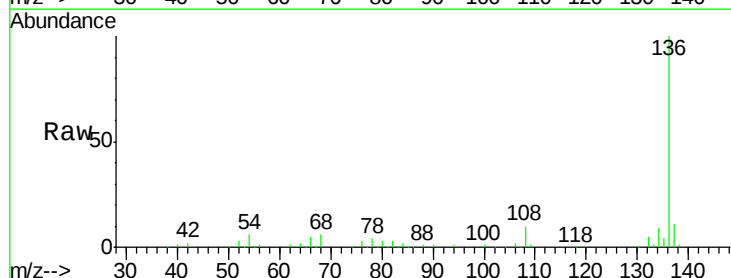
Ion Ratio Lower Upper

136 100

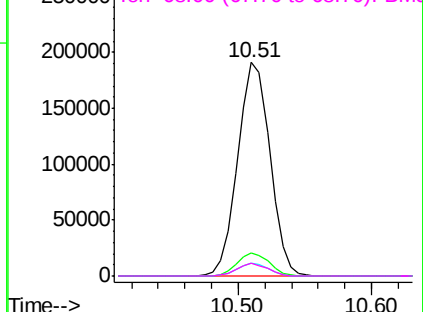
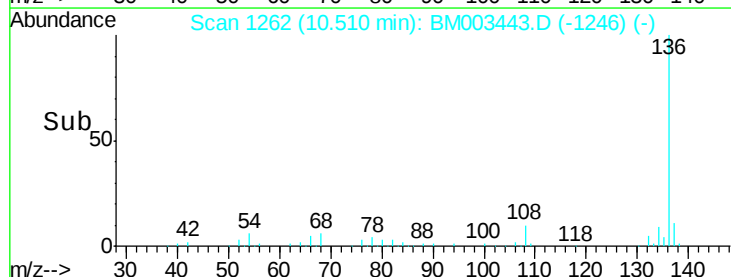
137 10.9 8.7 13.1

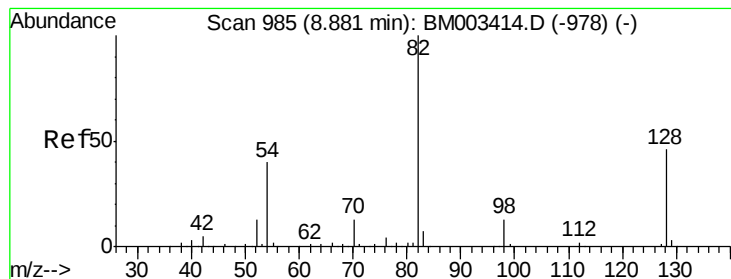
54 6.0 4.6 6.8

68 5.7 3.7 5.5#



Abundance Ion 136.00 (135.70 to 136.70): BM003443.D (-1246) (-)





#23

Nitrobenzene-d5

Concen: 99.43 ng

RT: 8.88 min Scan# 985

Delta R.T. 0.00 min

Lab File: BM003443.D

Acq: 10 Dec 2015 09:29

Instrument :

BNA\_M

ClientSampleId :

MW-21

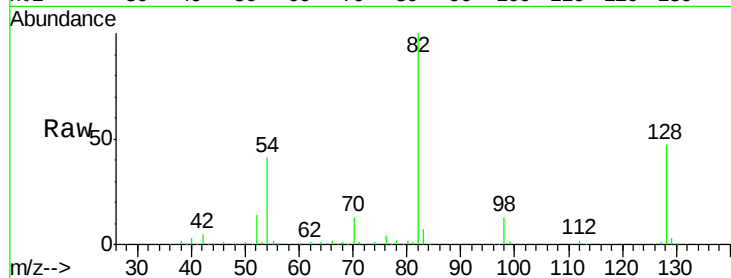
Tgt Ion: 82 Resp: 513073

Ion Ratio Lower Upper

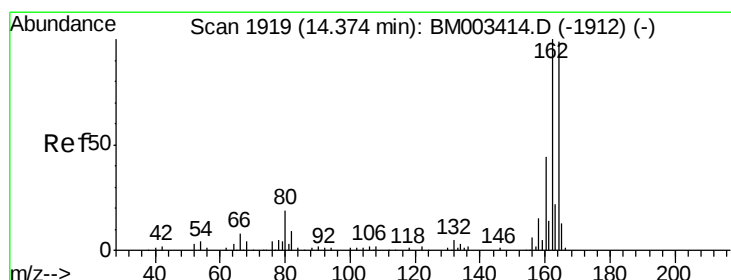
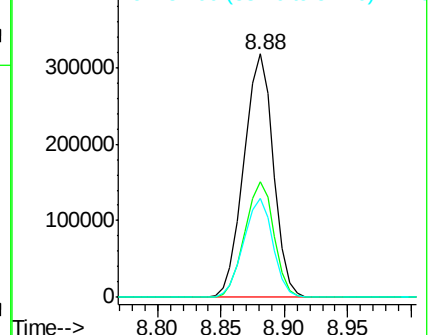
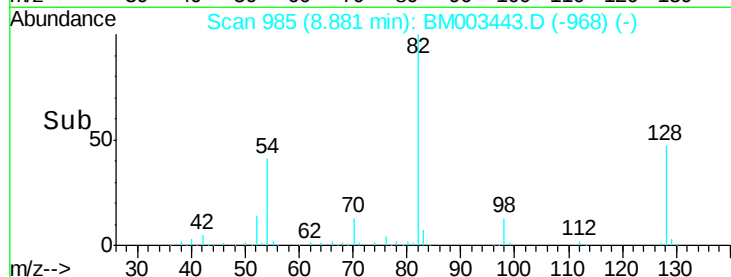
82 100

128 47.5 32.8 49.2

54 40.7 40.6 60.8



Abundance Ion 82.00 (81.70 to 82.70): BM003443.D (-968) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.37 min Scan# 1919

Delta R.T. 0.00 min

Lab File: BM003443.D

Acq: 10 Dec 2015 09:29

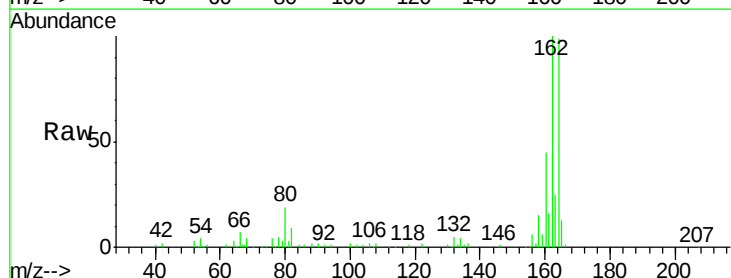
Tgt Ion: 164 Resp: 188197

Ion Ratio Lower Upper

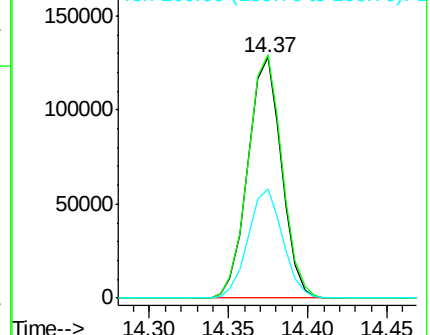
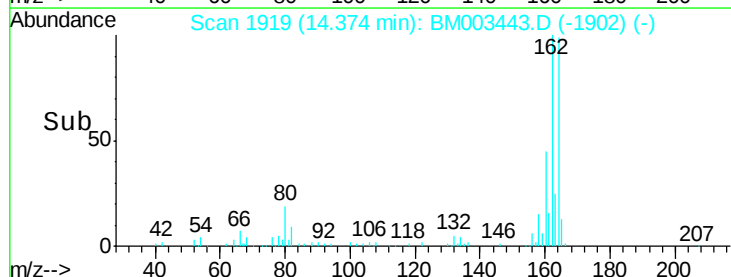
164 100

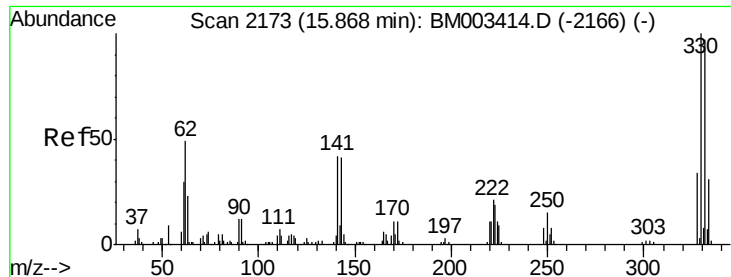
162 101.3 82.4 123.6

160 45.3 35.8 53.6



Abundance Ion 164.00 (163.70 to 164.70): BM003443.D (-1902) (-)

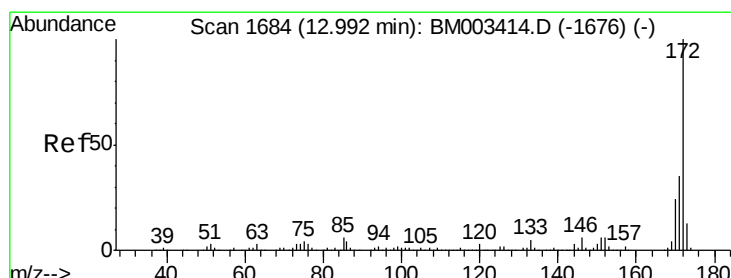
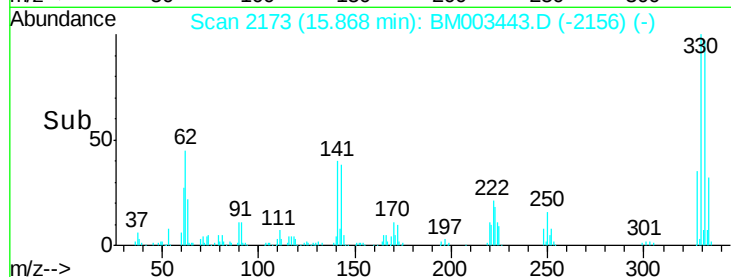
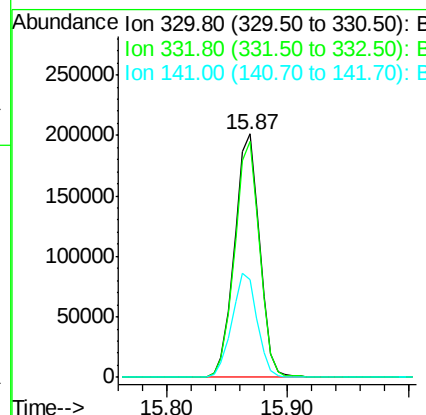
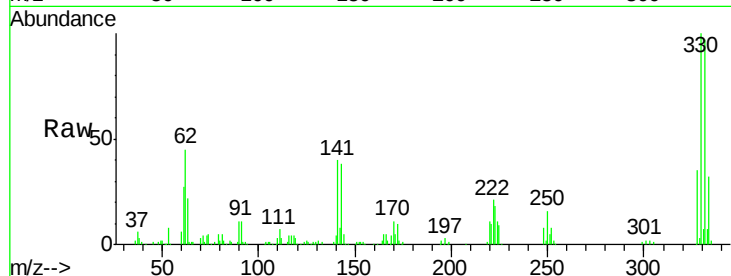




#41  
 2,4,6-Tribromophenol  
 Concen: 155.03 ng  
 RT: 15.87 min Scan# 2173  
 Delta R.T. 0.00 min  
 Lab File: BM003443.D  
 Acq: 10 Dec 2015 09:29

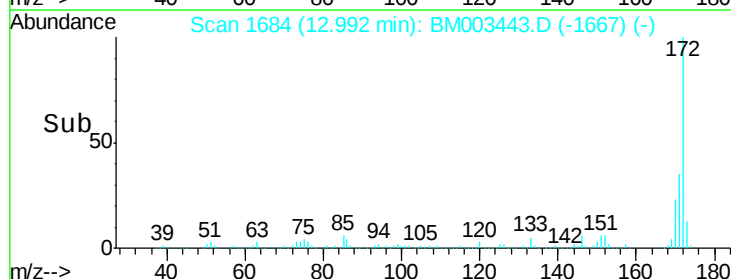
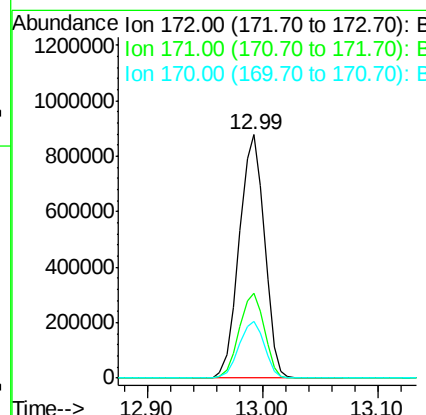
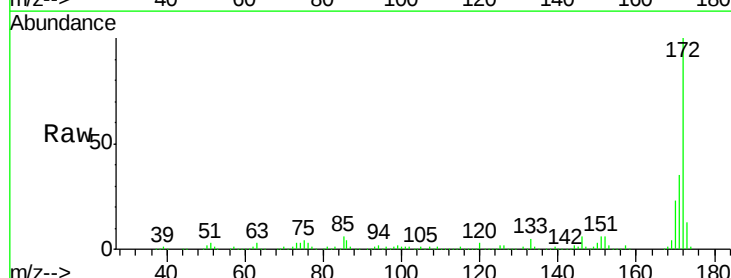
Instrument :  
 BNA\_M  
 ClientSampled :  
 MW-21

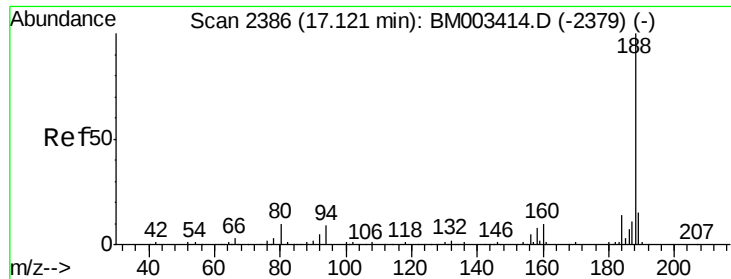
Tgt Ion: 330 Resp: 291379  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 0.0 0.0#  
 141 43.0 0.0 0.0#



#44  
 2-Fluorobiphenyl  
 Concen: 96.15 ng  
 RT: 12.99 min Scan# 1684  
 Delta R.T. 0.00 min  
 Lab File: BM003443.D  
 Acq: 10 Dec 2015 09:29

Tgt Ion: 172 Resp: 1328100  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 28.5 42.7  
 170 23.2 18.8 28.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.12 min Scan# 2386

Delta R.T. 0.00 min

Lab File: BM003443.D

Acq: 10 Dec 2015 09:29

Instrument :

BNA\_M

ClientSampleId :

MW-21

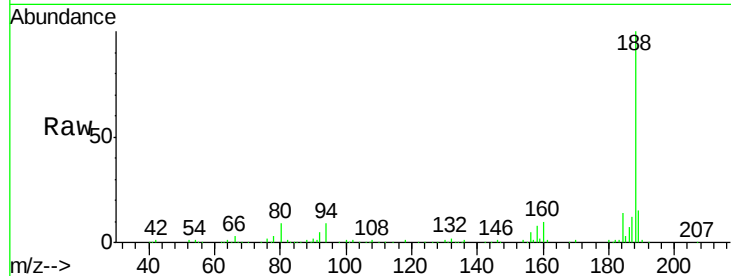
Tgt Ion:188 Resp: 390895

Ion Ratio Lower Upper

188 100

94 8.8 8.7 13.1

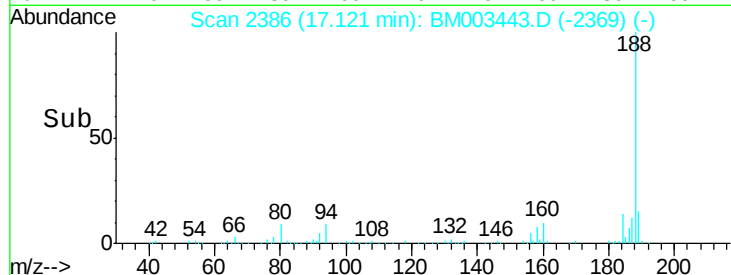
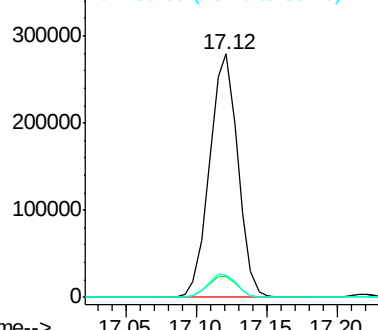
80 9.3 9.3 13.9



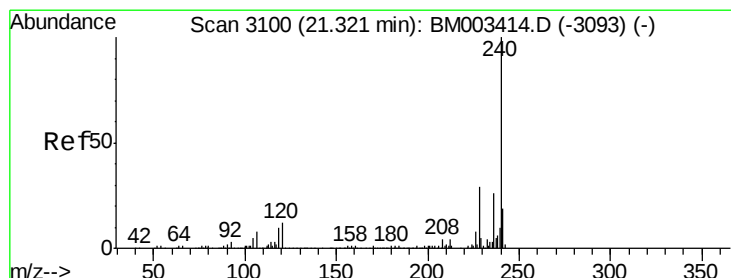
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.32 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM003443.D

Acq: 10 Dec 2015 09:29

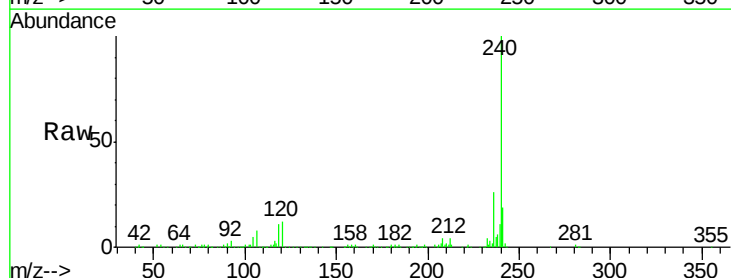
Tgt Ion:240 Resp: 350795

Ion Ratio Lower Upper

240 100

120 11.6 8.2 12.2

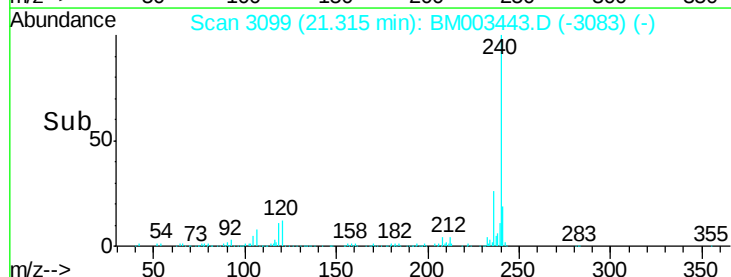
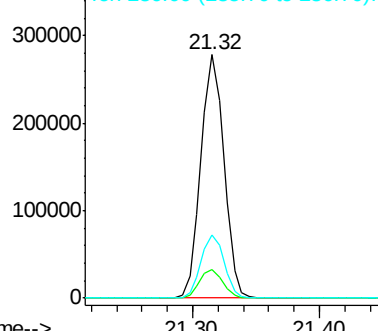
236 26.1 20.0 30.0



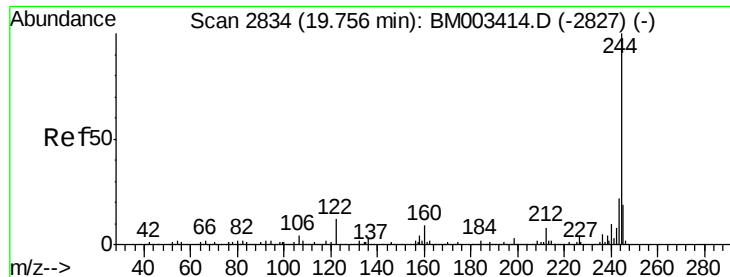
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#78

Terphenyl-d14

Concen: 90.94 ng

RT: 19.76 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BM003443.D

Acq: 10 Dec 2015 09:29

Instrument :

BNA\_M

ClientSampled :

MW-21

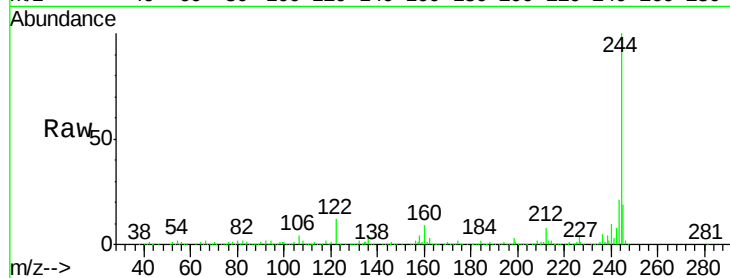
Tgt Ion:244 Resp: 1352746

Ion Ratio Lower Upper

244 100

212 8.0 4.9 7.3#

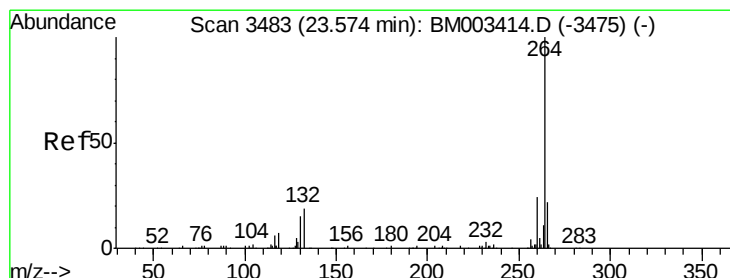
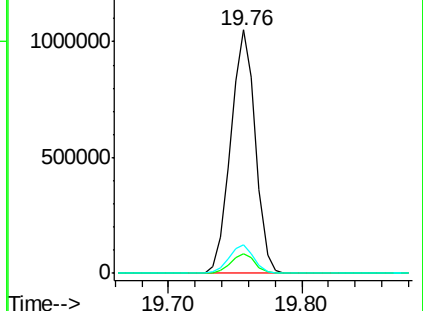
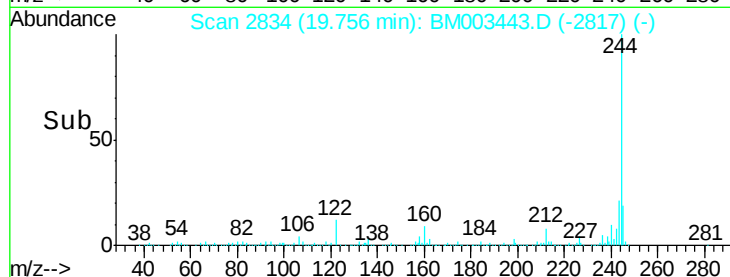
122 11.8 6.2 9.4#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.57 min Scan# 3483

Delta R.T. 0.00 min

Lab File: BM003443.D

Acq: 10 Dec 2015 09:29

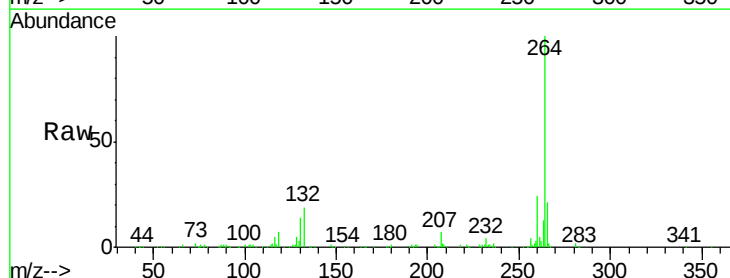
Tgt Ion:264 Resp: 331515

Ion Ratio Lower Upper

264 100

260 24.0 18.6 27.8

265 21.3 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

