

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM111018\  
 Data File : BM017593.D  
 Acq On : 09 Nov 2018 16:11  
 Operator : MJ/SJ  
 Sample : J5860-27  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EP2-SB-106(8.5-10.5)

Quant Time: Nov 12 00:31:43 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 29 15:08:36 2018  
 Response via : Initial Calibration

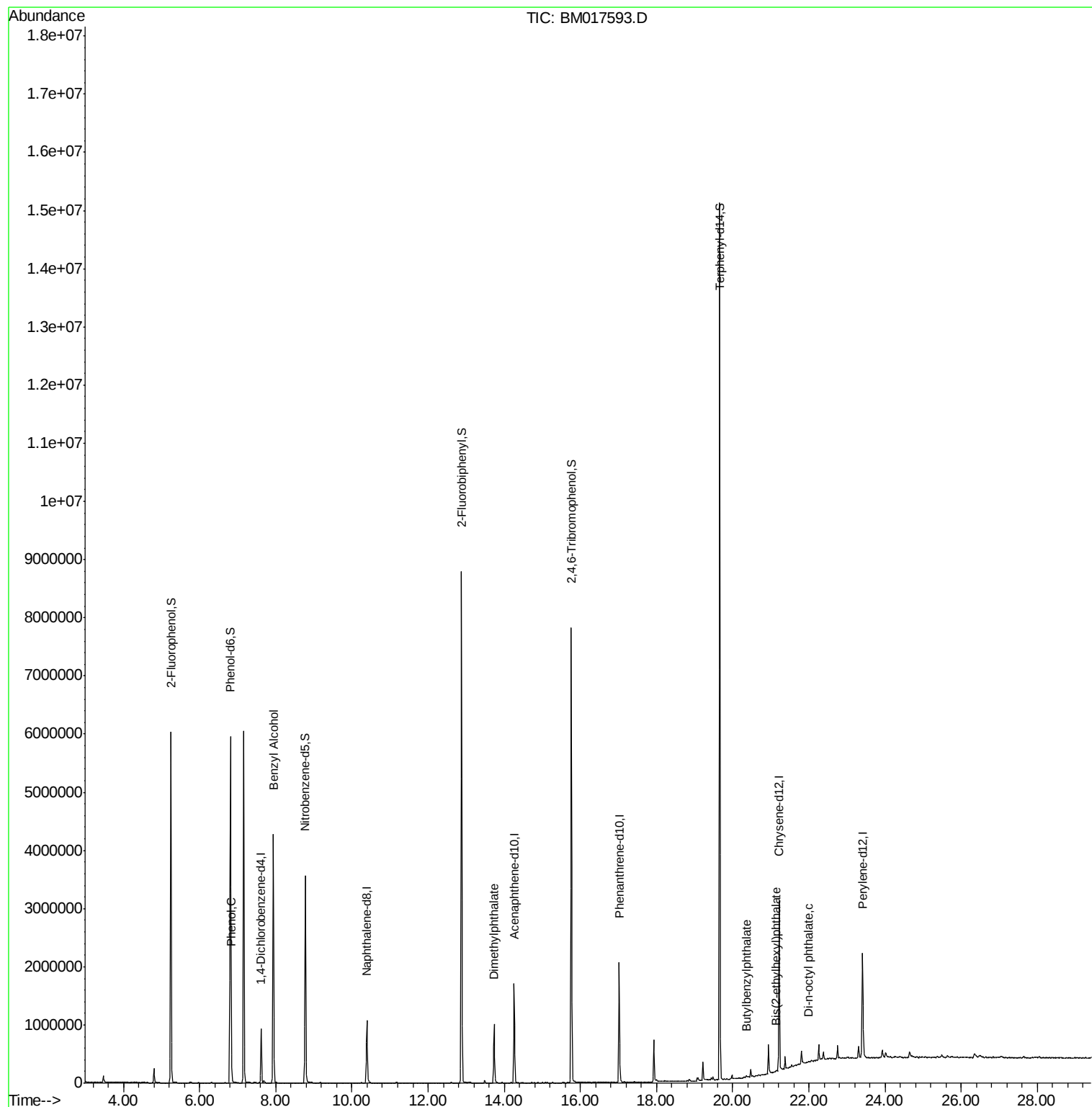
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.62  | 152  | 237510   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8             | 10.39 | 136  | 951734   | 20.00  | ng    | -0.03    |
| 39) Acenaphthene-d10           | 14.26 | 164  | 549855   | 20.00  | ng    | -0.03    |
| 64) Phenanthrene-d10           | 17.02 | 188  | 1286703  | 20.00  | ng    | -0.03    |
| 76) Chrysene-d12               | 21.22 | 240  | 1416127  | 20.00  | ng    | -0.03    |
| 87) Perylene-d12               | 23.41 | 264  | 1348925  | 20.00  | ng    | -0.04    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.25  | 112  | 2340105  | 166.64 | ng    | -0.02    |
| 7) Phenol-d6                   | 6.81  | 99   | 3236111  | 169.20 | ng    | -0.02    |
| 23) Nitrobenzene-d5            | 8.77  | 82   | 1976527  | 121.46 | ng    | -0.03    |
| 42) 2,4,6-Tribromophenol       | 15.76 | 330  | 1365373  | 183.62 | ng    | -0.03    |
| 45) 2-Fluorobiphenyl           | 12.88 | 172  | 4462912  | 107.99 | ng    | -0.02    |
| 79) Terphenyl-d14              | 19.66 | 244  | 6840069  | 108.87 | ng    | -0.02    |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.83  | 94   | 211133   | 10.257 | ng    | 92       |
| 15) Benzyl Alcohol             | 7.93  | 79   | 29409    | 2.104  | ng    | # 43     |
| 50) Dimethylphthalate          | 13.73 | 163  | 718574   | 16.939 | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.36 | 149  | 683      | 7.195  | ng    | # 83     |
| 84) Bis(2-ethylhexyl)phthalate | 21.14 | 149  | 6031     | 5.424  | ng    | # 94     |
| 85) Di-n-octyl phthalate       | 21.99 | 149  | 385      | 5.576  | ng    | # 1      |

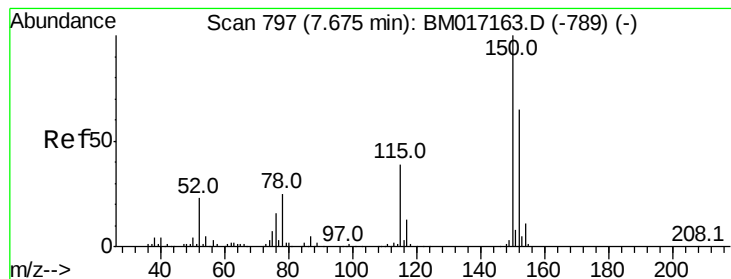
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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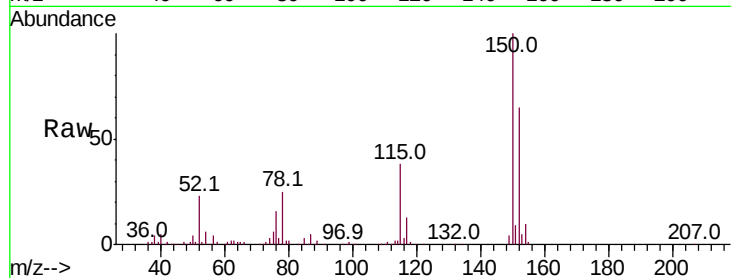


#1

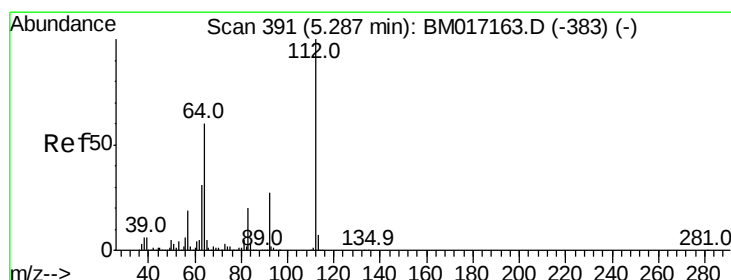
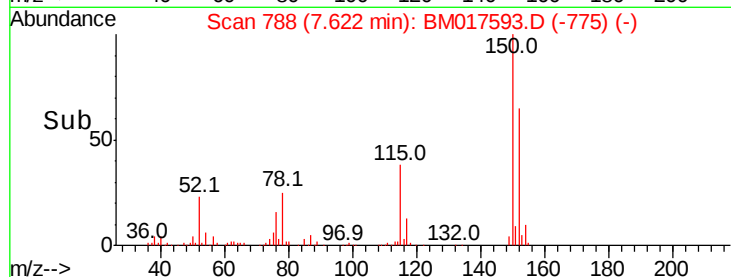
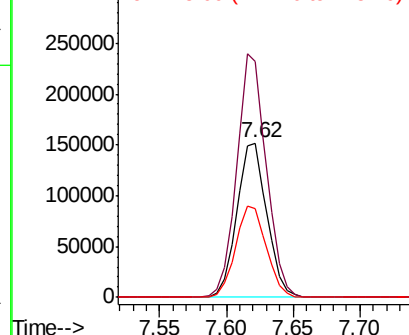
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.62 min Scan# 788  
Delta R.T. -0.02 min  
Lab File: BM017593.D  
Acq: 09 Nov 2018 16:11

Instrument :  
BNA\_M  
ClientSampleId :  
EP2-SB-106(8.5-10.5)

Tot Ion:152 Resp: 237510  
Ion Ratio Lower Upper  
152 100  
150 152.9 124.3 186.5  
115 57.9 48.1 72.1



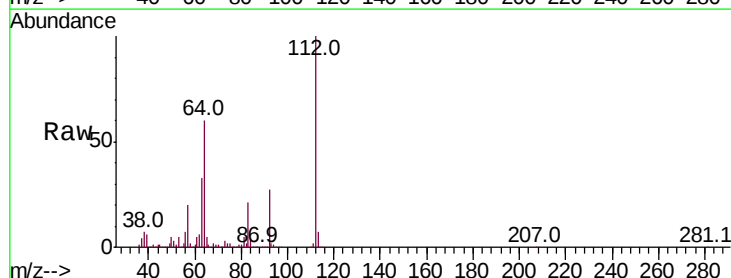
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



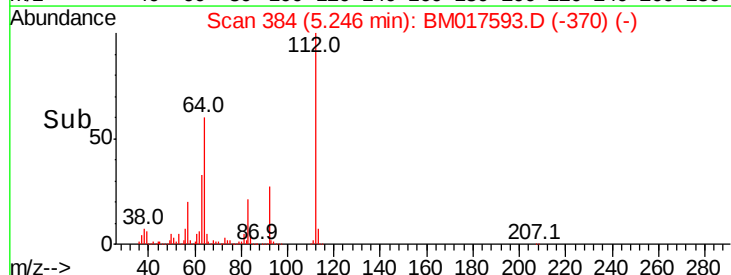
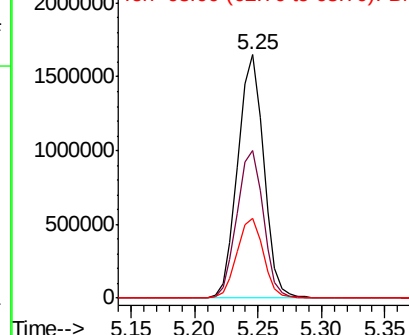
#5

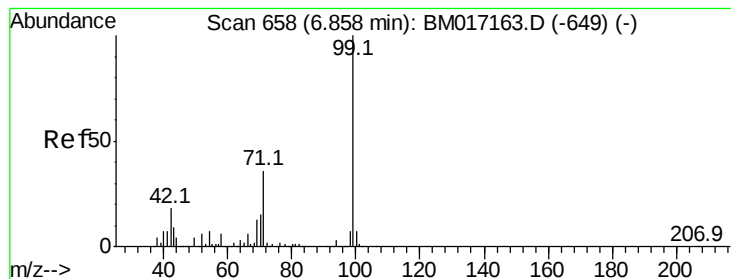
2-Fluorophenol  
Concen: 166.641 ng  
RT: 5.25 min Scan# 384  
Delta R.T. -0.02 min  
Lab File: BM017593.D  
Acq: 09 Nov 2018 16:11

Tgt Ion:112 Resp: 2340105  
Ion Ratio Lower Upper  
112 100  
64 60.4 41.7 62.5  
63 32.9 23.0 34.4



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: 169.205 ng

RT: 6.81 min Scan# 650

Delta R.T. -0.02 min

Lab File: BM017593.D

Acq: 09 Nov 2018 16:11

Instrument :

BNA\_M

ClientSampleId :

EP2-SB-106(8.5-10.5)

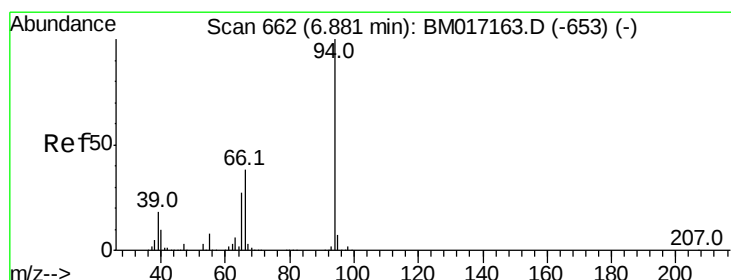
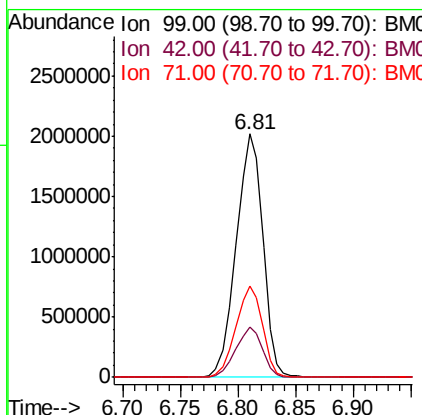
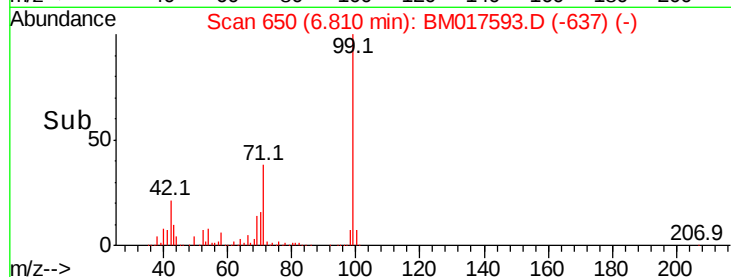
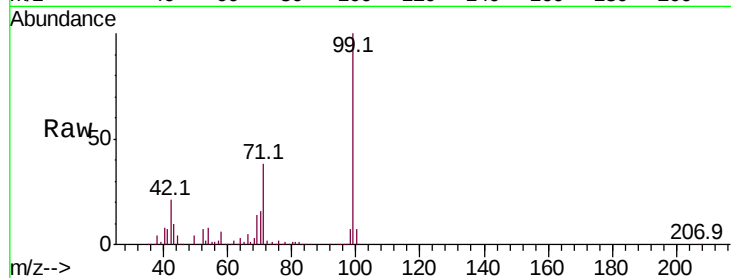
Tot Ion: 99 Resp: 3236111

Ion Ratio Lower Upper

99 100

42 20.6 13.3 19.9#

71 37.7 28.0 42.0



#10

Phenol

Concen: 10.257 ng

RT: 6.83 min Scan# 654

Delta R.T. -0.02 min

Lab File: BM017593.D

Acq: 09 Nov 2018 16:11

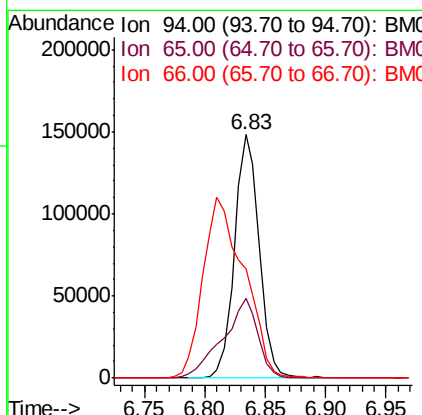
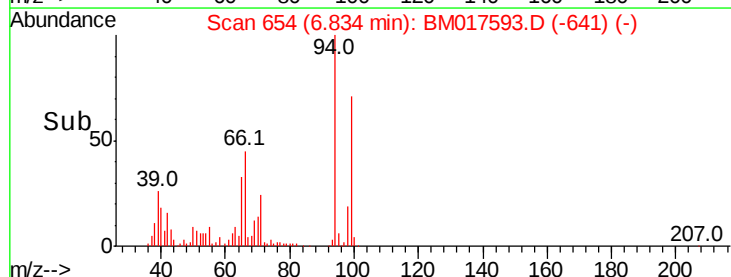
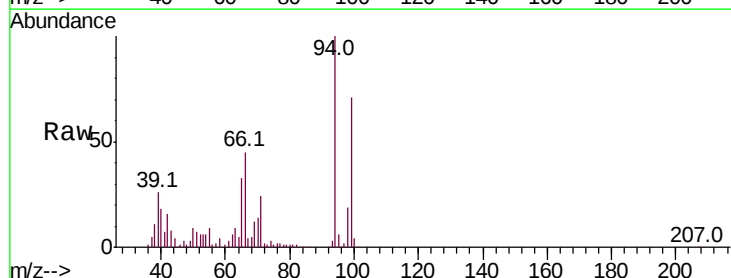
Tgt Ion: 94 Resp: 211133

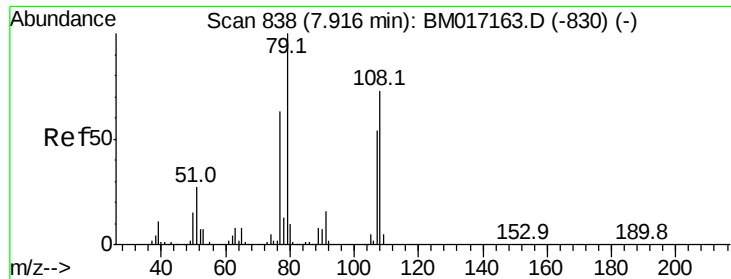
Ion Ratio Lower Upper

94 100

65 32.7 9.4 49.4

66 45.1 19.0 59.0

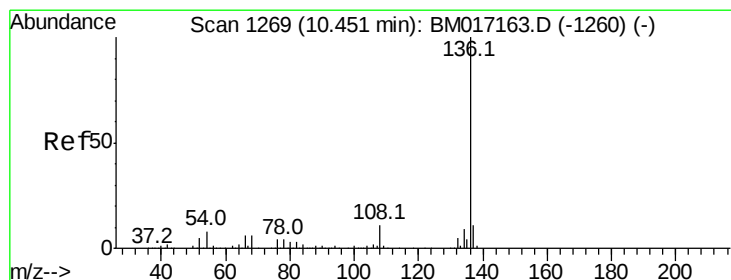
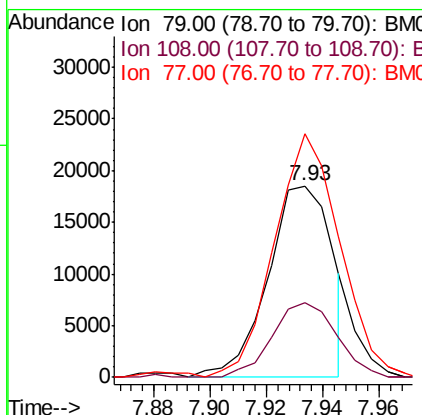
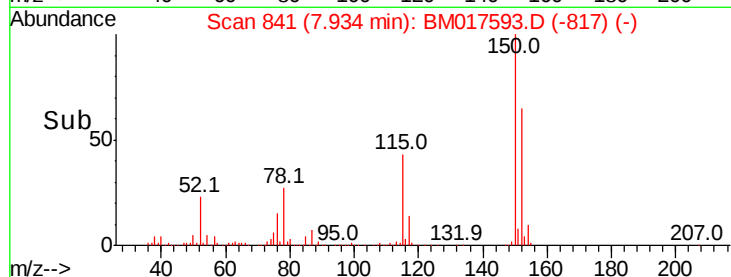
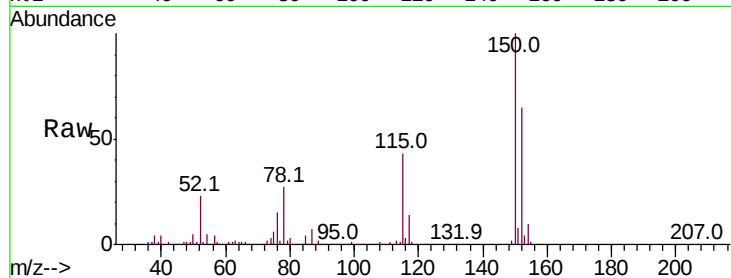




#15  
Benzyl Alcohol  
Concen: 2.104 ng  
RT: 7.93 min Scan# 841  
Delta R.T. 0.04 min  
Lab File: BM017593.D  
Acq: 09 Nov 2018 16:11

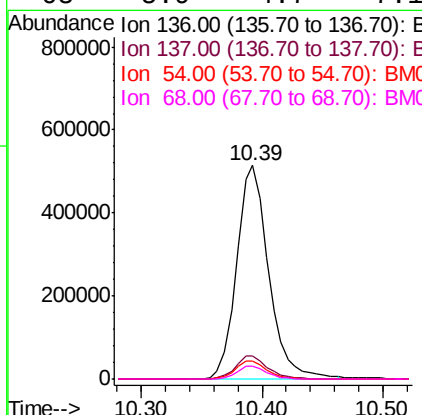
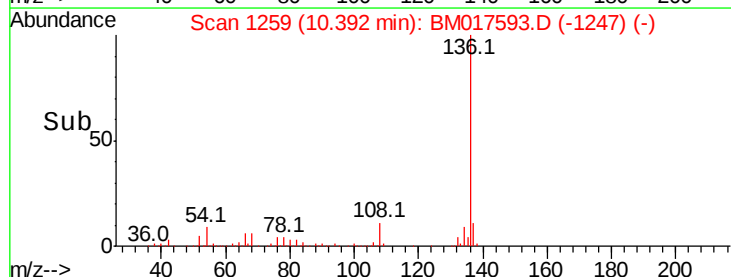
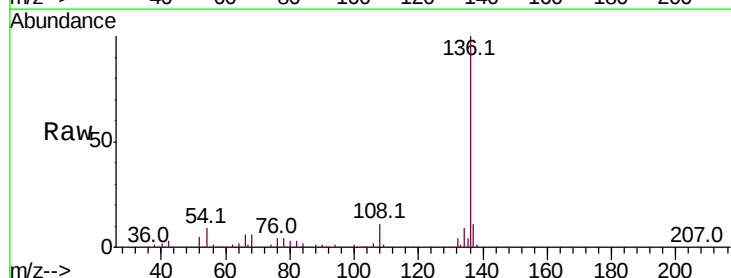
Instrument :  
BNA\_M  
ClientSampleId :  
EP2-SB-106(8.5-10.5)

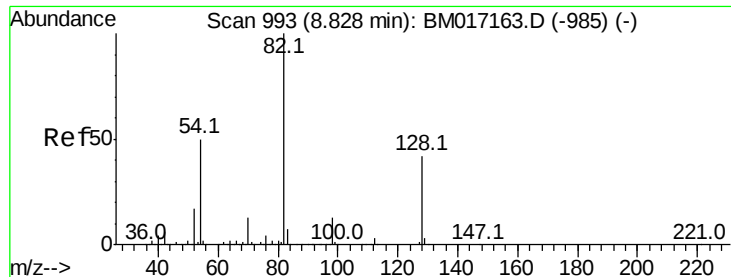
Tot Ion: 79 Resp: 29409  
Ion Ratio Lower Upper  
79 100  
108 39.0 60.3 90.5#  
77 127.0 54.8 82.2#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.39 min Scan# 1259  
Delta R.T. -0.03 min  
Lab File: BM017593.D  
Acq: 09 Nov 2018 16:11

Tgt Ion: 136 Resp: 951734  
Ion Ratio Lower Upper  
136 100  
137 10.5 9.2 13.8  
54 8.7 6.7 10.1  
68 5.9 4.7 7.1



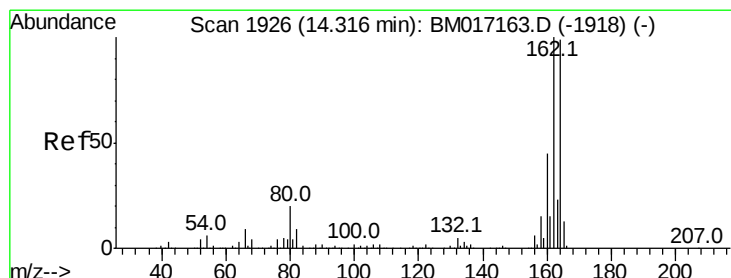
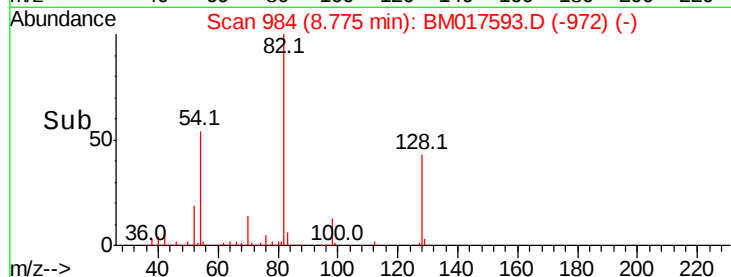
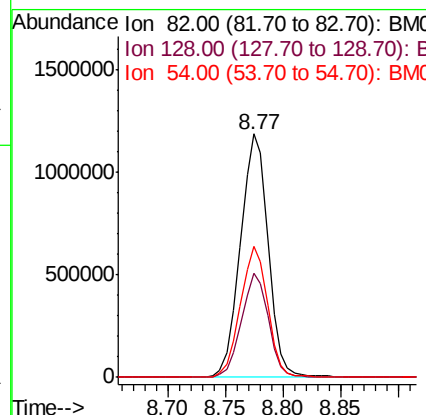
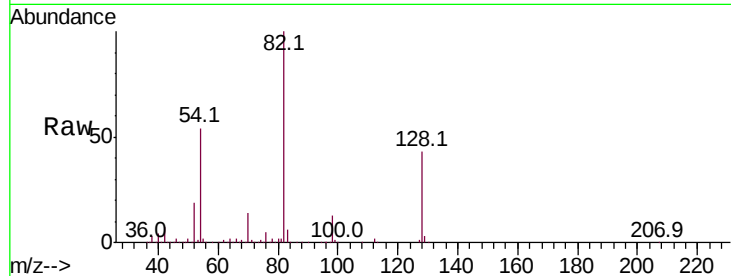


#23  
 Nitrobenzene-d5  
 Concen: 121.461 ng  
 RT: 8.77 min Scan# 984  
 Delta R.T. -0.03 min  
 Lab File: BM017593.D  
 Acq: 09 Nov 2018 16:11

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EP2-SB-106(8.5-10.5)

Tot Ion: 82 Resp: 1976527  

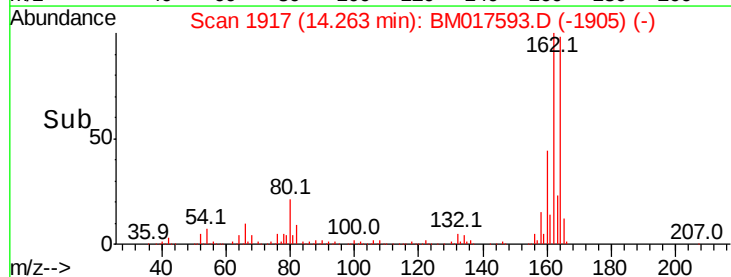
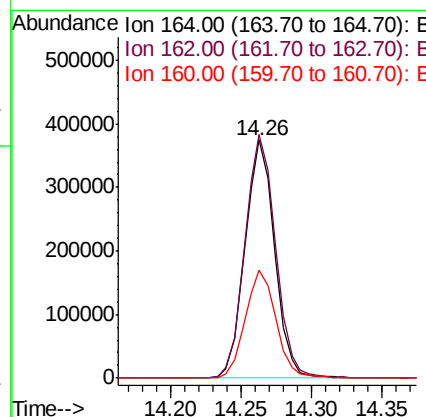
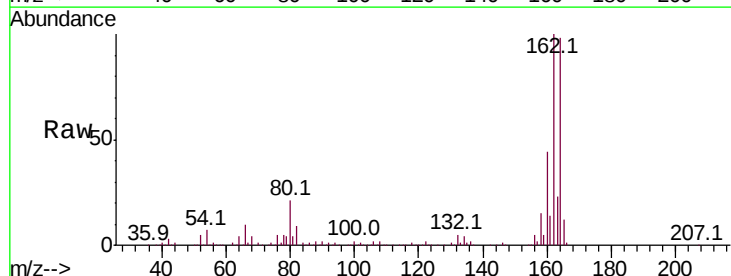
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 42.6  | 37.0  | 55.6  |
| 54  | 53.9  | 40.7  | 61.1  |

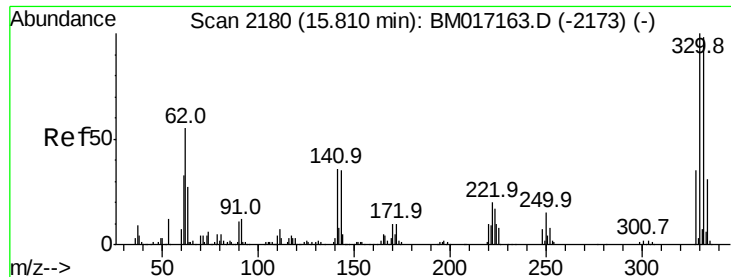


#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.26 min Scan# 1917  
 Delta R.T. -0.03 min  
 Lab File: BM017593.D  
 Acq: 09 Nov 2018 16:11

Tgt Ion:164 Resp: 549855  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 102.2 | 82.1  | 123.1 |
| 160 | 45.1  | 40.2  | 60.2  |

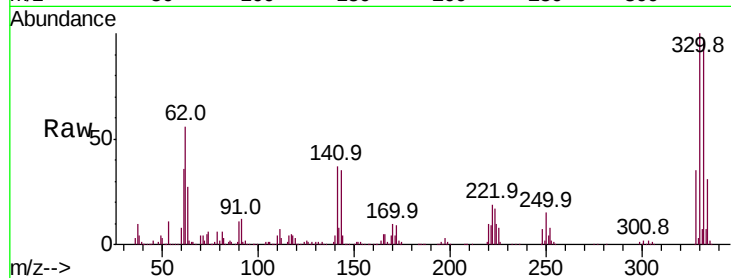




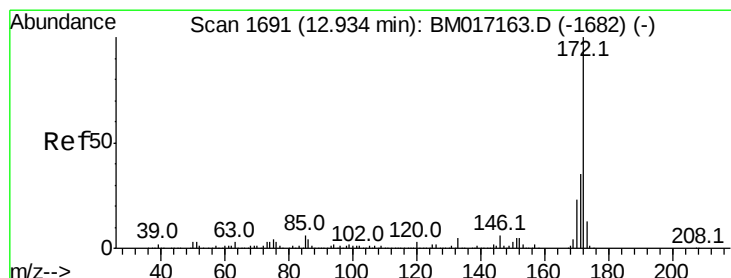
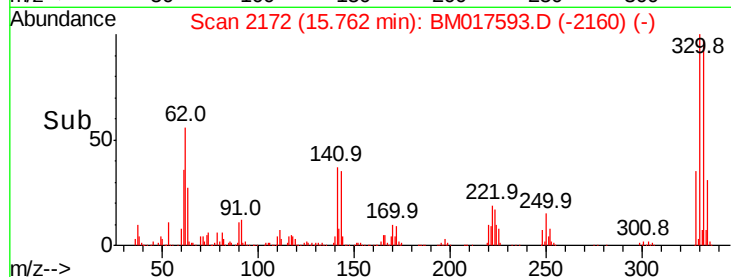
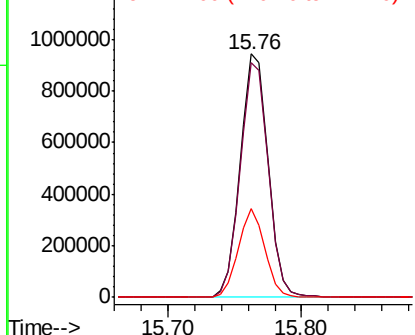
#42  
 2,4,6-Tribromophenol  
 Concen: 183.617 ng  
 RT: 15.76 min Scan# 2172  
 Delta R.T. -0.03 min  
 Lab File: BM017593.D  
 Acq: 09 Nov 2018 16:11

Instrument :  
 BNA\_M  
 ClientSampleId :  
 EP2-SB-106(8.5-10.5)

Tot Ion:330 Resp: 1365373  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 77.3 115.9  
 141 35.1 27.4 41.0

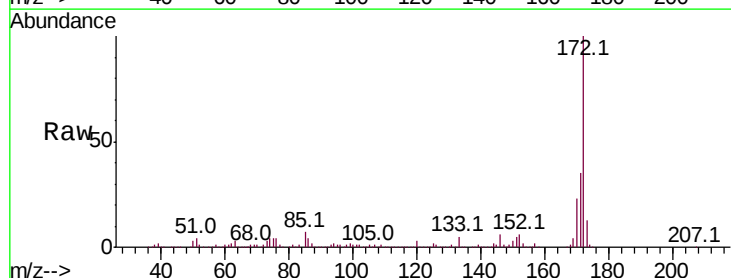


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

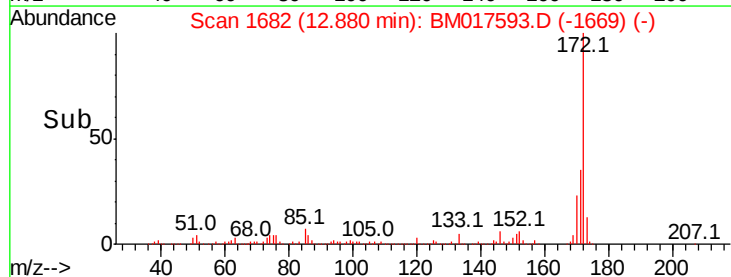
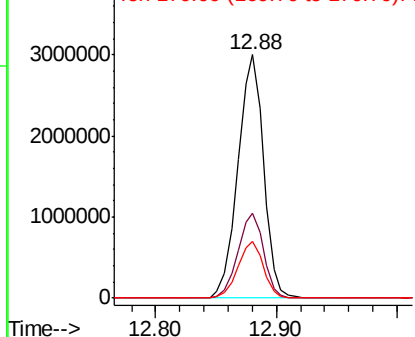


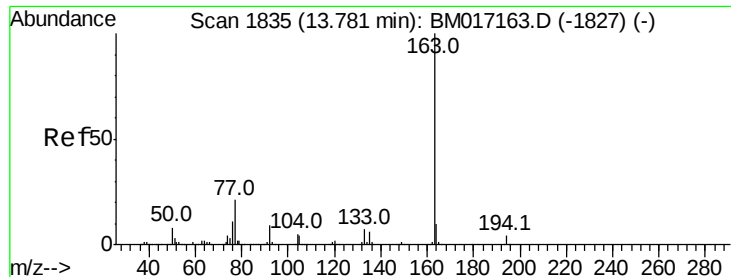
#45  
 2-Fluorobiphenyl  
 Concen: 107.994 ng  
 RT: 12.88 min Scan# 1682  
 Delta R.T. -0.02 min  
 Lab File: BM017593.D  
 Acq: 09 Nov 2018 16:11

Tgt Ion:172 Resp: 4462912  
 Ion Ratio Lower Upper  
 172 100  
 171 35.1 28.3 42.5  
 170 23.1 18.3 27.5



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





#50

Dimethylphthalate

Concen: 16.939 ng

RT: 13.73 min Scan# 1827

Delta R.T. -0.03 min

Lab File: BM017593.D

Acq: 09 Nov 2018 16:11

Instrument :

BNA\_M

ClientSampleId :

EP2-SB-106(8.5-10.5)

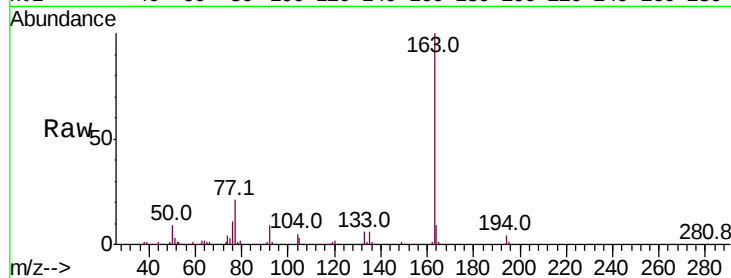
Tot Ion:163 Resp: 718574

Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

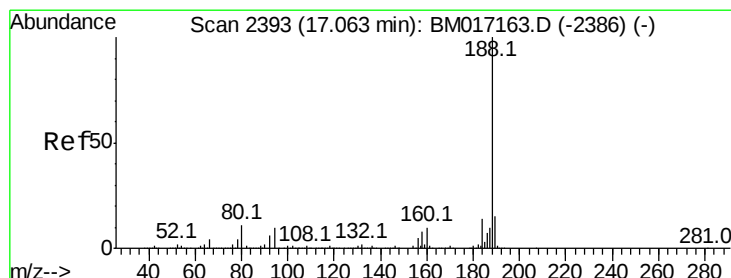
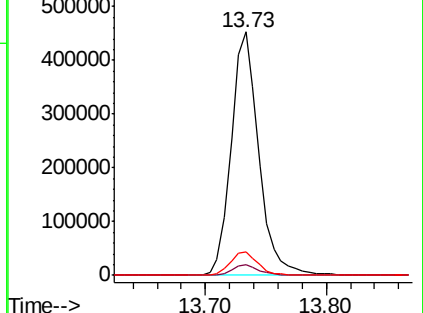
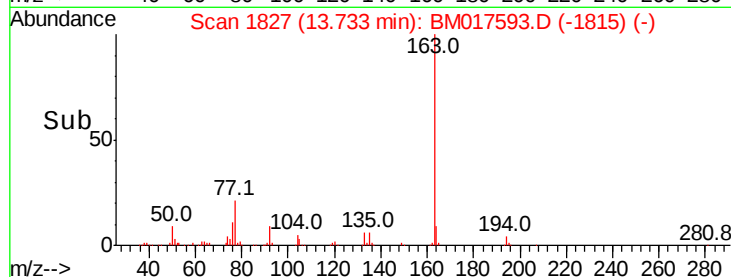
164 9.5 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.02 min Scan# 2385

Delta R.T. -0.03 min

Lab File: BM017593.D

Acq: 09 Nov 2018 16:11

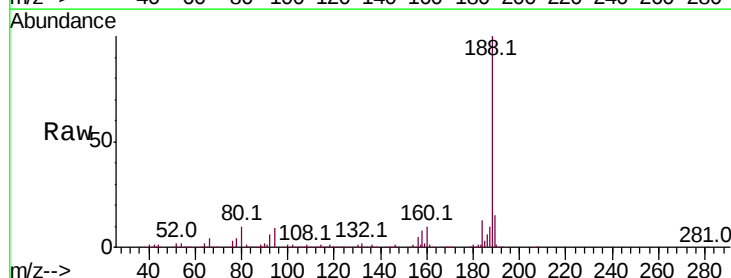
Tgt Ion:188 Resp: 1286703

Ion Ratio Lower Upper

188 100

94 9.3 7.0 10.4

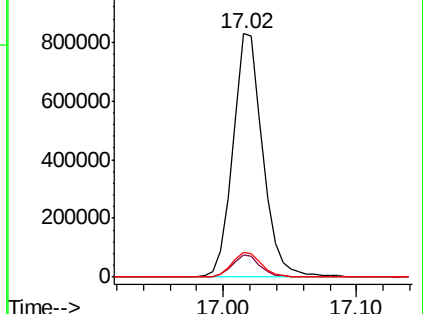
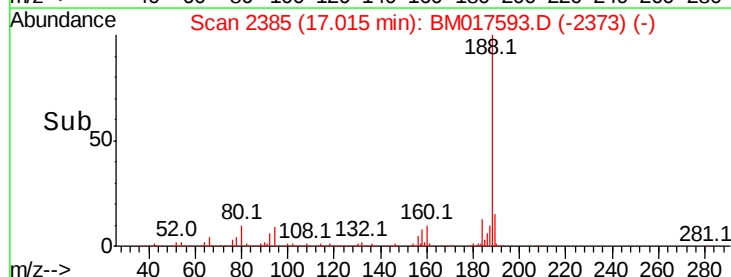
80 10.4 7.7 11.5

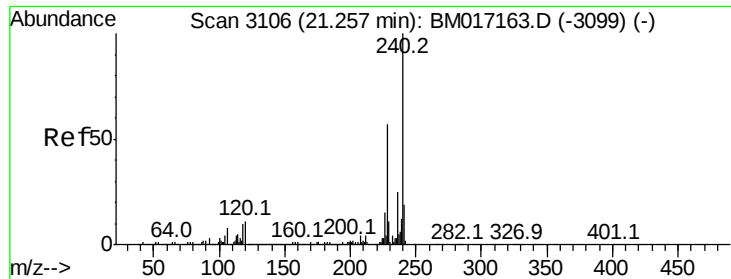


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

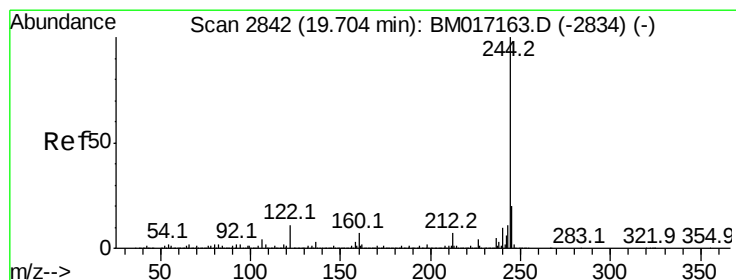
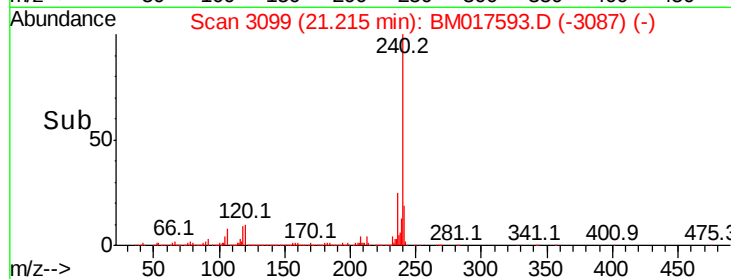
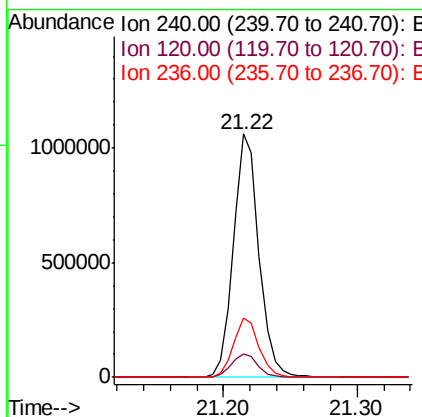
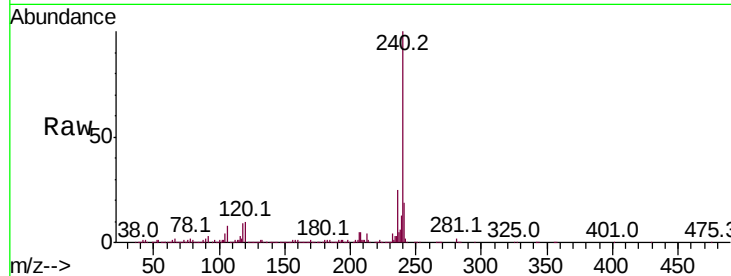




#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 21.22 min Scan# 3099  
 Delta R.T. -0.03 min  
 Lab File: BM017593.D  
 Acq: 09 Nov 2018 16:11

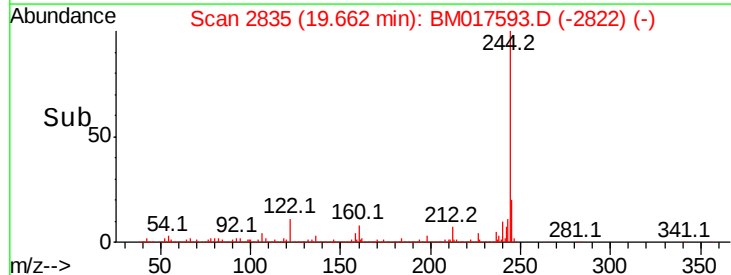
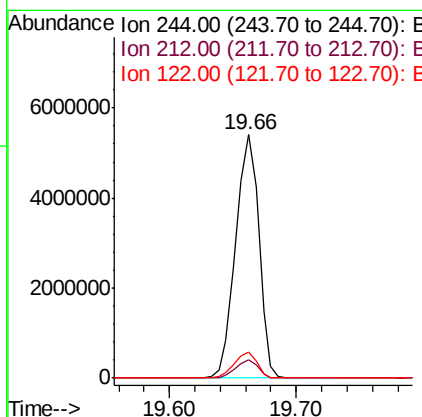
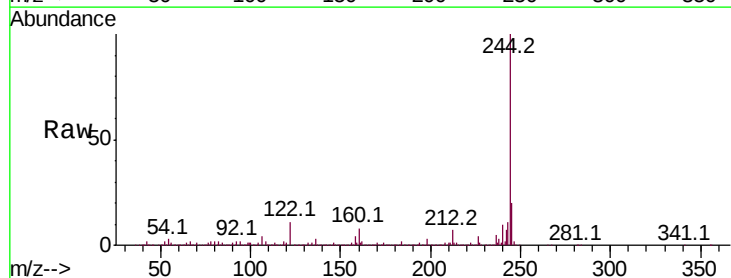
Instrument :  
 BNA\_M  
 ClientSampleId :  
 EP2-SB-106(8.5-10.5)

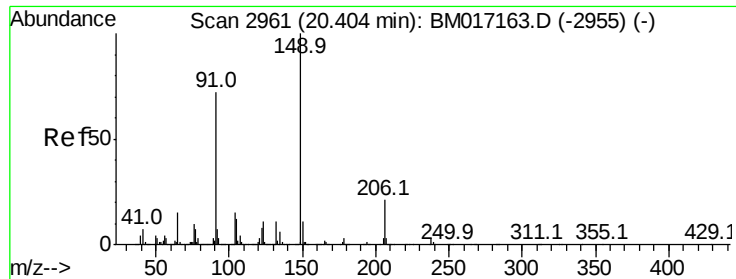
Tot Ion:240 Resp: 1416127  
 Ion Ratio Lower Upper  
 240 100  
 120 9.7 8.1 12.1  
 236 24.5 19.9 29.9



#79  
 Terphenyl-d14  
 Concen: 108.871 ng  
 RT: 19.66 min Scan# 2835  
 Delta R.T. -0.02 min  
 Lab File: BM017593.D  
 Acq: 09 Nov 2018 16:11

Tgt Ion:244 Resp: 6840069  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 5.5 8.3  
 122 10.8 8.4 12.6

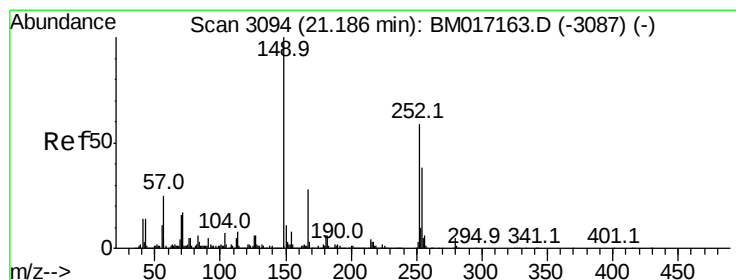
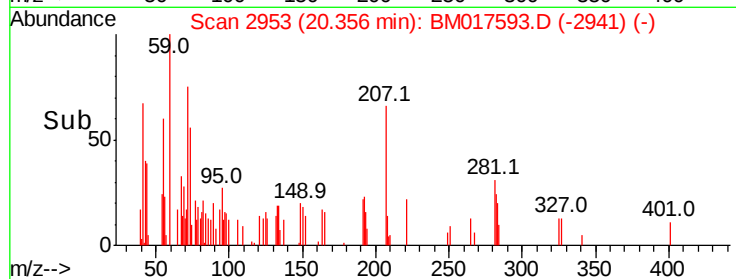
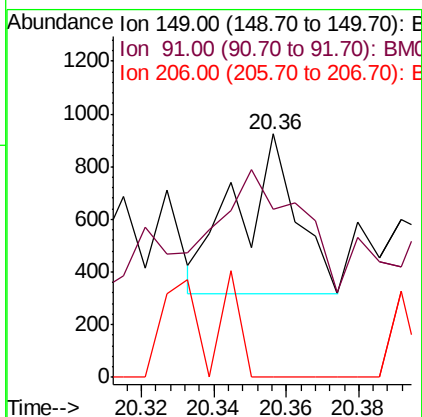
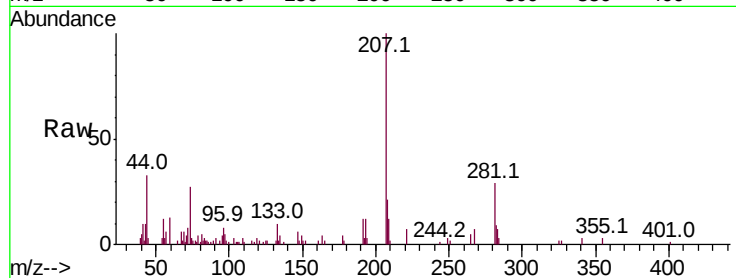




#80  
 Butylbenzylphthalate  
 Concen: 7.195 ng  
 RT: 20.36 min Scan# 2953  
 Delta R.T. -0.03 min  
 Lab File: BM017593.D  
 Acq: 09 Nov 2018 16:11

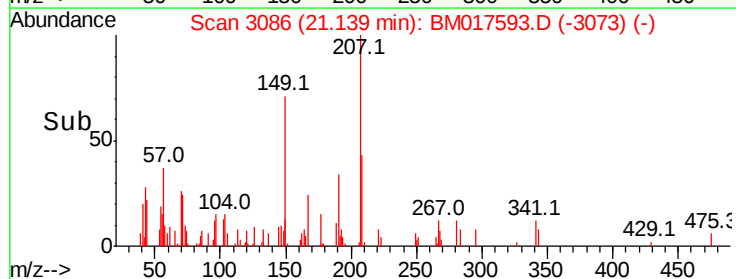
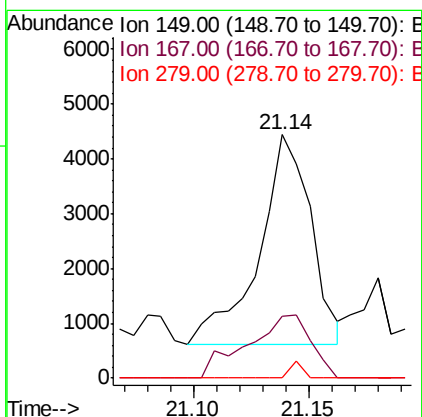
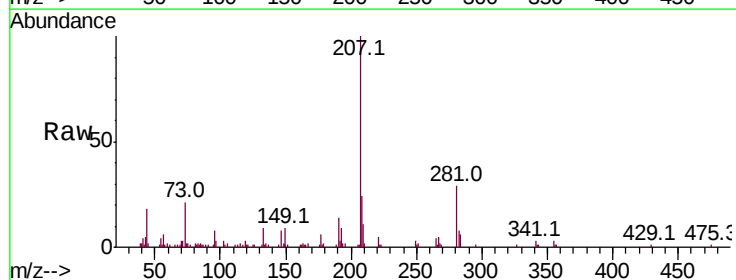
Instrument :  
 BNA\_M  
 ClientSampleId :  
 EP2-SB-106(8.5-10.5)

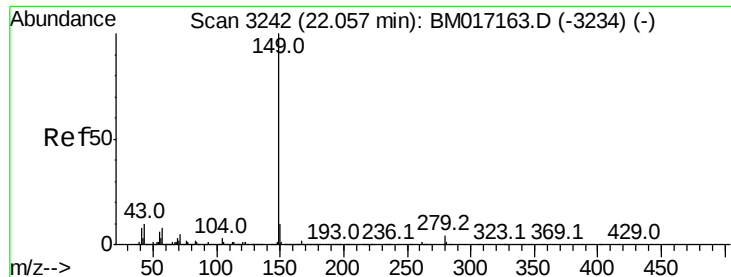
Tot Ion:149 Resp: 683  
 Ion Ratio Lower Upper  
 149 100  
 91 69.2 51.3 76.9  
 206 0.0 18.0 27.0#



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 5.424 ng  
 RT: 21.14 min Scan# 3086  
 Delta R.T. -0.02 min  
 Lab File: BM017593.D  
 Acq: 09 Nov 2018 16:11

Tgt Ion:149 Resp: 6031  
 Ion Ratio Lower Upper  
 149 100  
 167 25.4 22.2 33.4  
 279 0.0 3.6 5.4#





#85

Di-n-octyl phthalate

Concen: 5.576 ng

RT: 21.99 min Scan# 3231

Delta R.T. -0.05 min

Lab File: BM017593.D

Acq: 09 Nov 2018 16:11

Instrument :

BNA\_M

ClientSampleId :

EP2-SB-106(8.5-10.5)

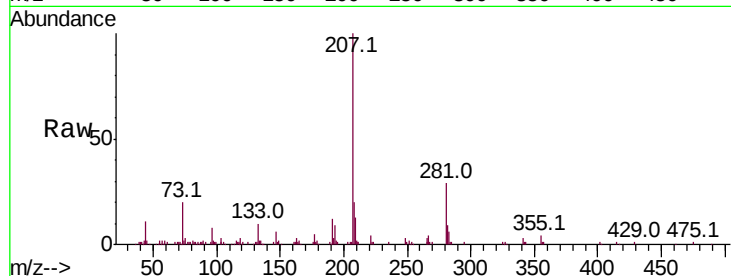
Tot Ion:149 Resp: 385

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

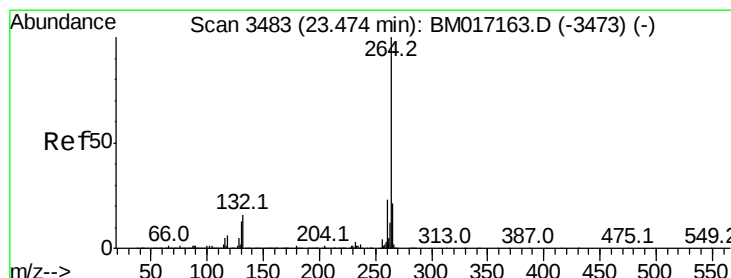
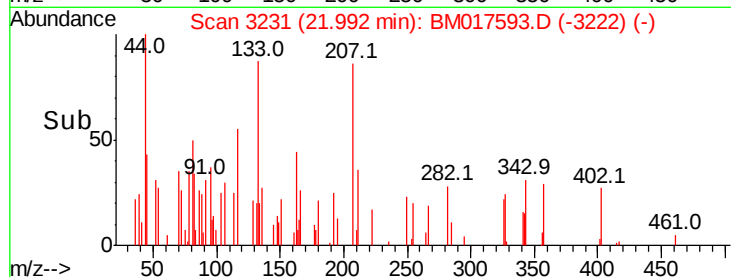
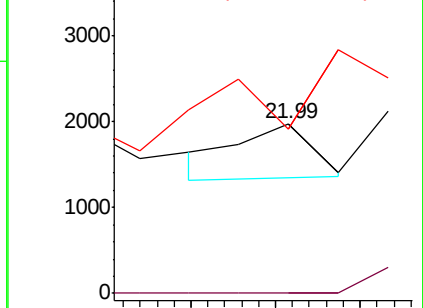
43 371.2 7.2 10.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.41 min Scan# 3472

Delta R.T. -0.04 min

Lab File: BM017593.D

Acq: 09 Nov 2018 16:11

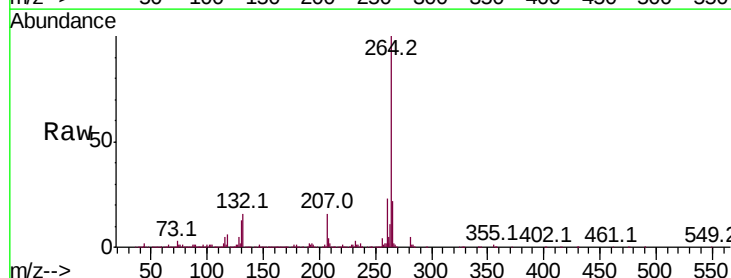
Tgt Ion:264 Resp: 1348925

Ion Ratio Lower Upper

264 100

260 22.9 18.6 27.8

265 22.4 17.8 26.8



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

