

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM021219\  
 Data File : BM018775.D  
 Acq On : 12 Feb 2019 16:36  
 Operator : JU/SJ  
 Sample : PB117043BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117043BL

Quant Time: Feb 13 01:33:28 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 11 16:02:12 2019  
 Response via : Initial Calibration

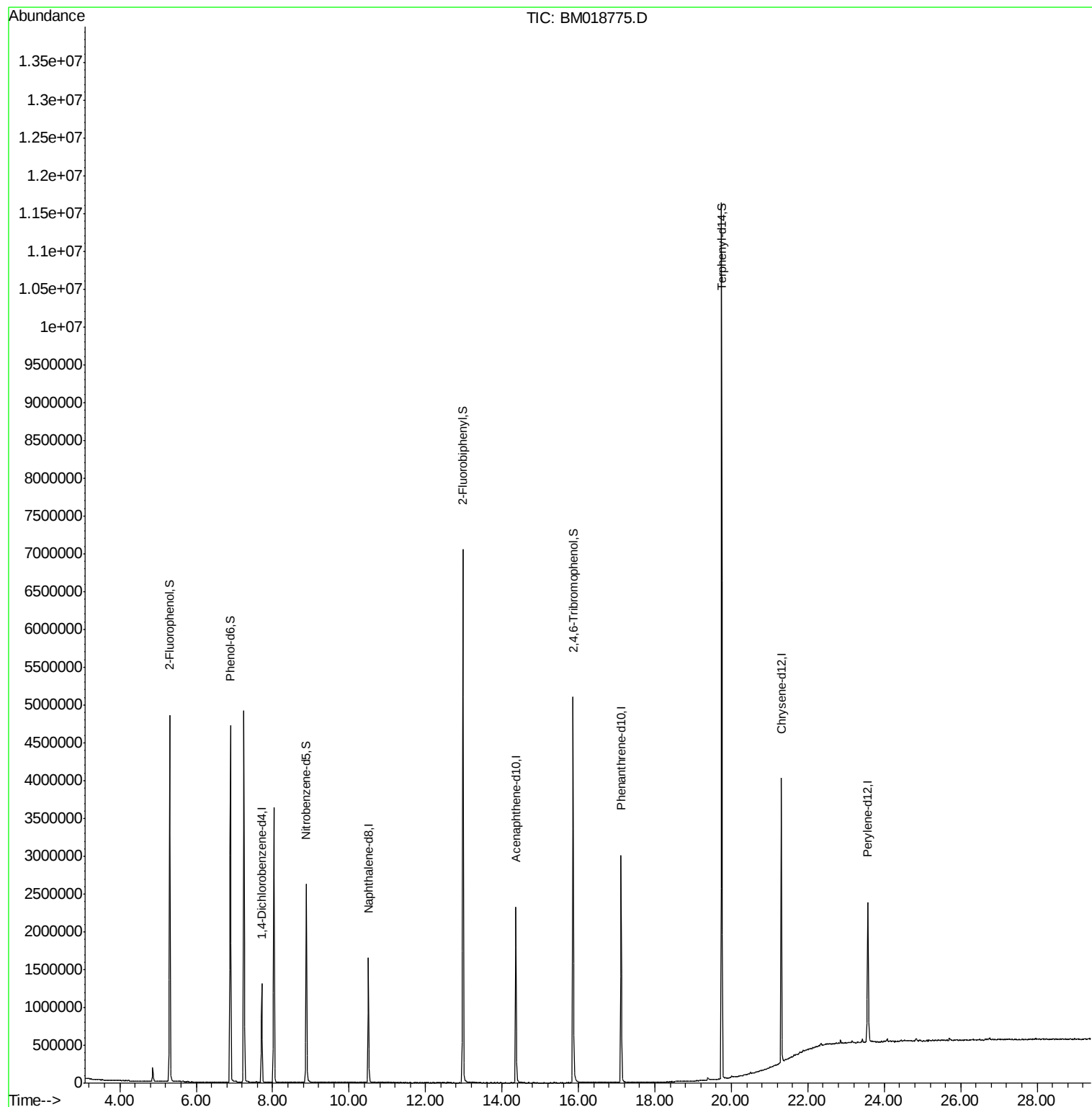
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units    | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|----------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.72  | 152  | 334121   | 20.00     | ng       | 0.00     |
| 21) Naphthalene-d8          | 10.50 | 136  | 1321222  | 20.00     | ng       | 0.00     |
| 39) Acenaphthene-d10        | 14.36 | 164  | 748178   | 20.00     | ng       | 0.00     |
| 64) Phenanthrene-d10        | 17.12 | 188  | 1735045  | 20.00     | ng       | 0.00     |
| 76) Chrysene-d12            | 21.31 | 240  | 1578172  | 20.00     | ng       | 0.00     |
| 87) Perylene-d12            | 23.57 | 264  | 1339251  | 20.00     | ng       | 0.00     |
| System Monitoring Compounds |       |      |          |           |          |          |
| 5) 2-Fluorophenol           | 5.31  | 112  | 1977321  | 96.96     | ng       | 0.00     |
| 7) Phenol-d6                | 6.89  | 99   | 2667517  | 92.86     | ng       | 0.00     |
| 23) Nitrobenzene-d5         | 8.88  | 82   | 1679867  | 58.79     | ng       | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.86 | 330  | 949992   | 88.09     | ng       | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.98 | 172  | 3397881  | 60.29     | ng       | 0.00     |
| 79) Terphenyl-d14           | 19.75 | 244  | 5292952  | 69.19     | ng       | 0.00     |
| Target Compounds            |       |      |          |           |          |          |
| 9) Benzaldehyde             | 6.89  | 77   | 6993     | Below Cal | Qvalue # | 7        |

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM021219\  
Data File : BM018775.D  
Acq On : 12 Feb 2019 16:36  
Operator : JU/SJ  
Sample : PB117043BL  
Misc :  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
PB117043BL

Quant Time: Feb 13 01:33:28 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM021119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 11 16:02:12 2019  
Response via : Initial Calibration



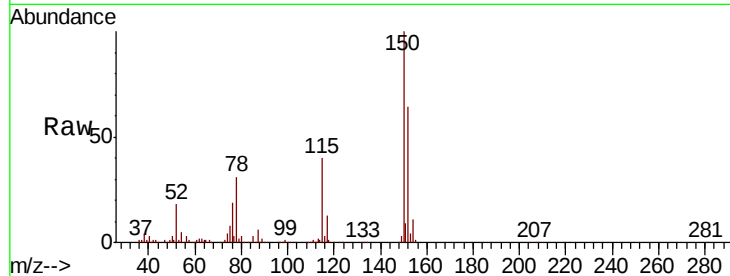


#1

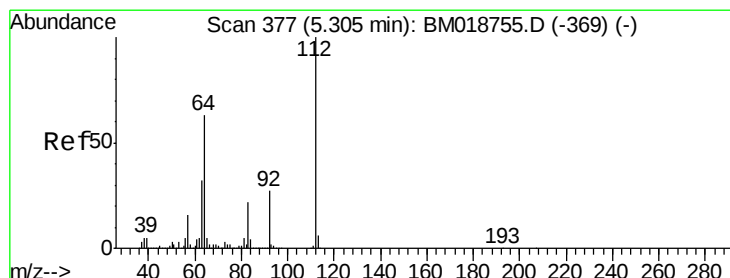
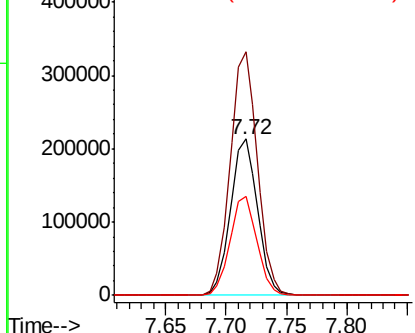
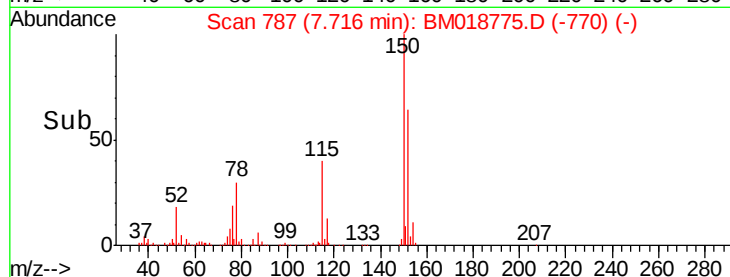
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.72 min Scan# 787  
Delta R.T. 0.00 min  
Lab File: BM018775.D  
Acq: 12 Feb 2019 16:36

Instrument :  
BNA\_M  
ClientSampleId :  
PB117043BL

Tgt Ion:152 Resp: 334121  
Ion Ratio Lower Upper  
152 100  
150 155.7 127.3 190.9  
115 63.0 50.8 76.2



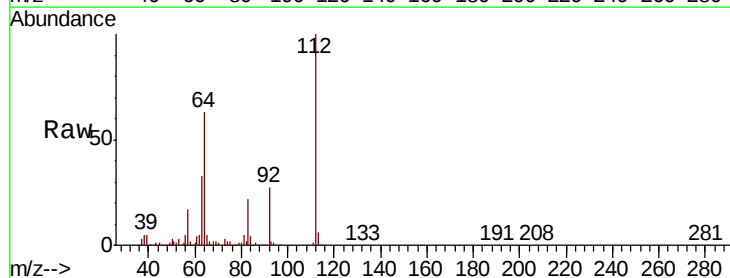
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



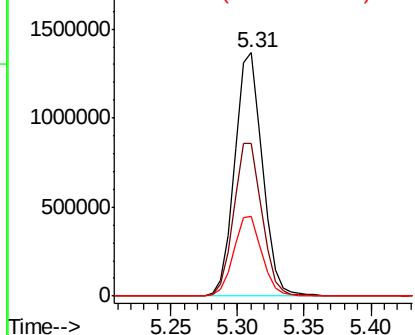
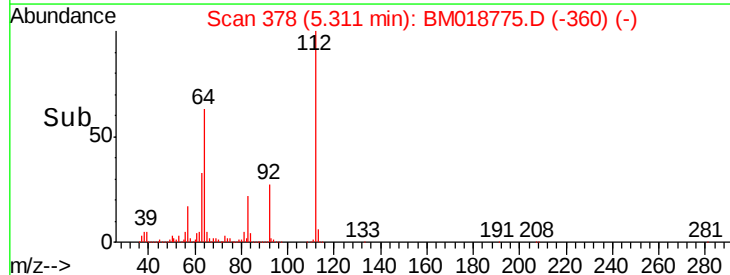
#5

2-Fluorophenol  
Concen: 96.965 ng  
RT: 5.31 min Scan# 378  
Delta R.T. 0.01 min  
Lab File: BM018775.D  
Acq: 12 Feb 2019 16:36

Tgt Ion:112 Resp: 1977321  
Ion Ratio Lower Upper  
112 100  
64 63.0 50.6 75.8  
63 32.9 25.7 38.5



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: 92.856 ng

RT: 6.89 min Scan# 647

Delta R.T. 0.01 min

Lab File: BM018775.D

Acq: 12 Feb 2019 16:36

Instrument :

BNA\_M

ClientSampleId :

PB117043BL

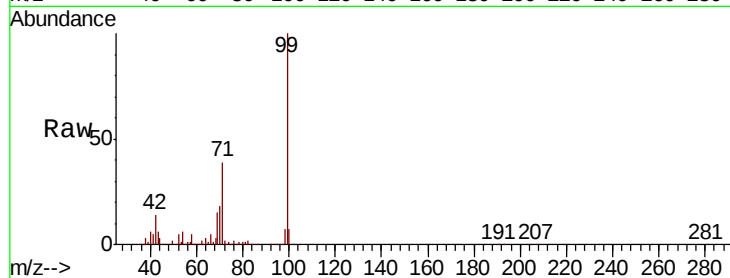
Tgt Ion: 99 Resp: 2667517

Ion Ratio Lower Upper

99 100

42 13.7 11.0 16.6

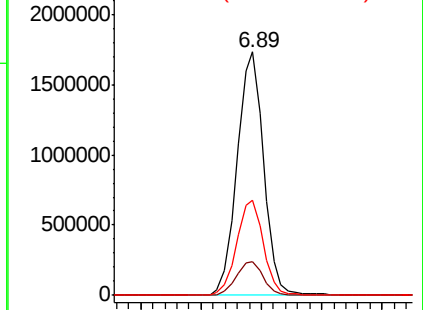
71 39.1 31.3 46.9



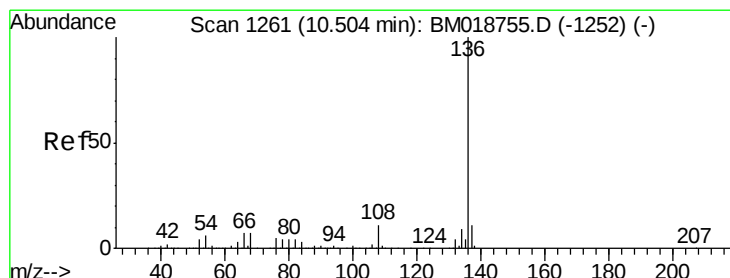
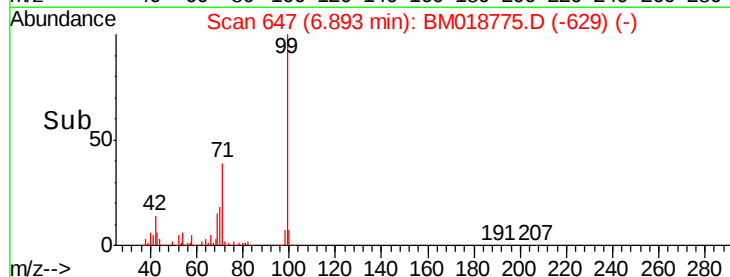
Abundance Ion 99.00 (98.70 to 99.70): BM018775.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM018775.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM018775.D (-637) (-)



Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.50 min Scan# 1261

Delta R.T. 0.00 min

Lab File: BM018775.D

Acq: 12 Feb 2019 16:36

Tgt Ion: 136 Resp: 1321222

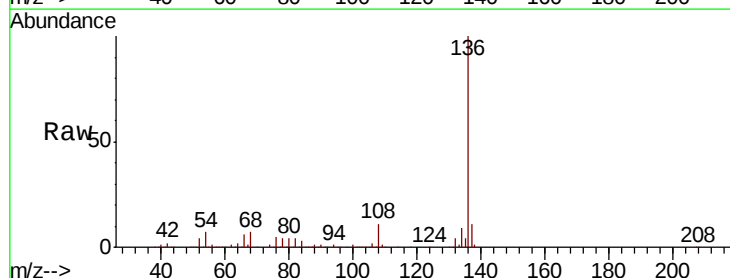
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 6.7 5.0 7.6

68 7.0 5.5 8.3

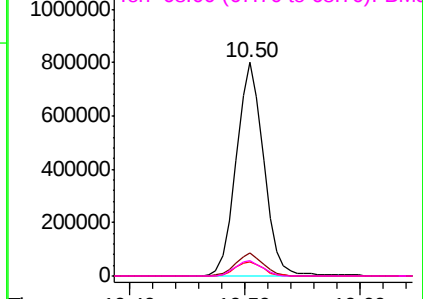


Abundance Ion 136.00 (135.70 to 136.70): BM018775.D (-1252) (-)

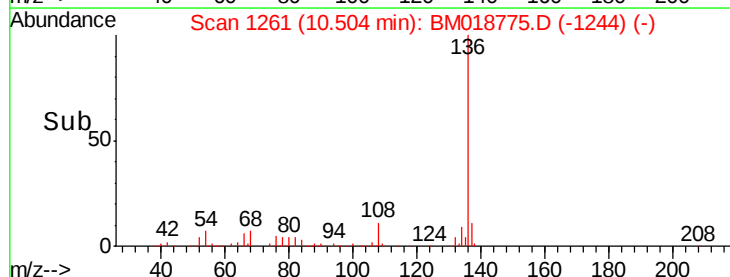
Ion 137.00 (136.70 to 137.70): BM018775.D (-1252) (-)

Ion 54.00 (53.70 to 54.70): BM018775.D (-1252) (-)

Ion 68.00 (67.70 to 68.70): BM018775.D (-1252) (-)



Time-->



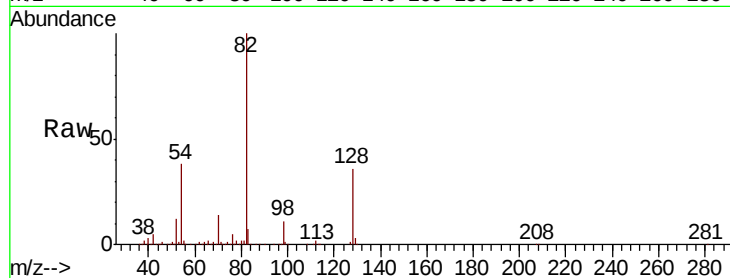


#23  
 Nitrobenzene-d5  
 Concen: 58.790 ng  
 RT: 8.88 min Scan# 985  
 Delta R.T. -0.01 min  
 Lab File: BM018775.D  
 Acq: 12 Feb 2019 16:36

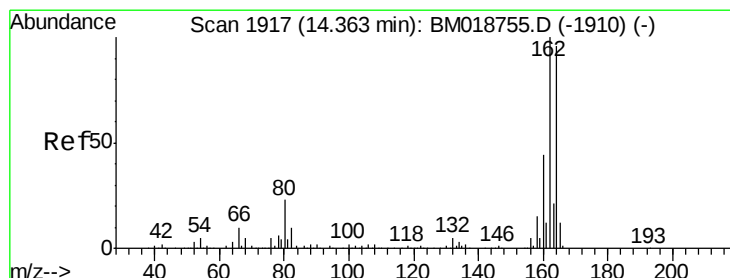
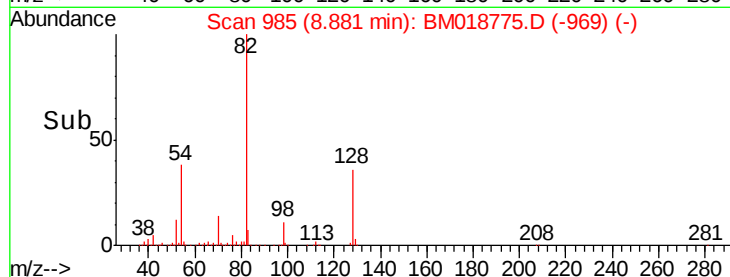
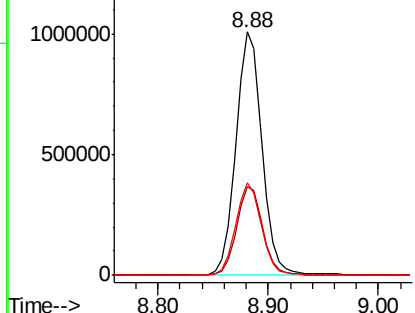
Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117043BL

Tgt Ion: 82 Resp: 1679867  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 36.4  | 29.9  | 44.9  |
| 54  | 37.8  | 29.1  | 43.7  |



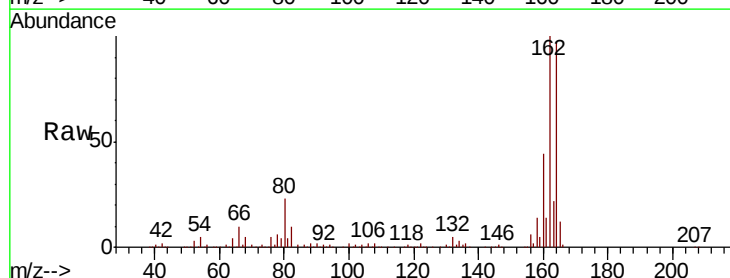
Abundance Ion 82.00 (81.70 to 82.70): BM018775.D (-976) (-)  
 Ion 128.00 (127.70 to 128.70): BM018775.D (-976) (-)  
 Ion 54.00 (53.70 to 54.70): BM018775.D (-976) (-)



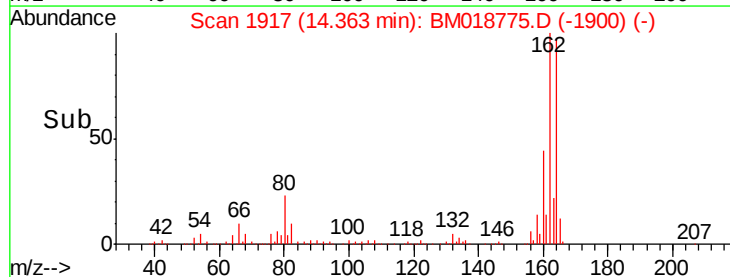
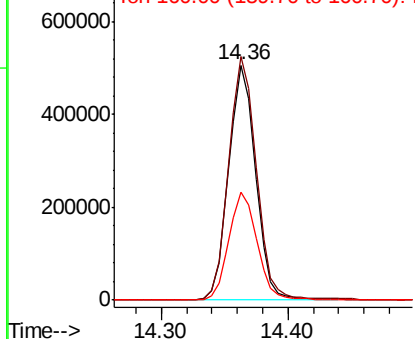
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.36 min Scan# 1917  
 Delta R.T. 0.00 min  
 Lab File: BM018775.D  
 Acq: 12 Feb 2019 16:36

Tgt Ion: 164 Resp: 748178  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 103.5 | 83.4  | 125.0 |
| 160 | 45.8  | 36.6  | 55.0  |



Abundance Ion 164.00 (163.70 to 164.70): BM018775.D (-1910) (-)  
 Ion 162.00 (161.70 to 162.70): BM018775.D (-1910) (-)  
 Ion 160.00 (159.70 to 160.70): BM018775.D (-1910) (-)

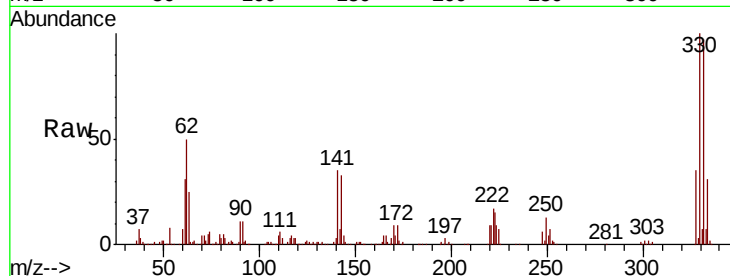




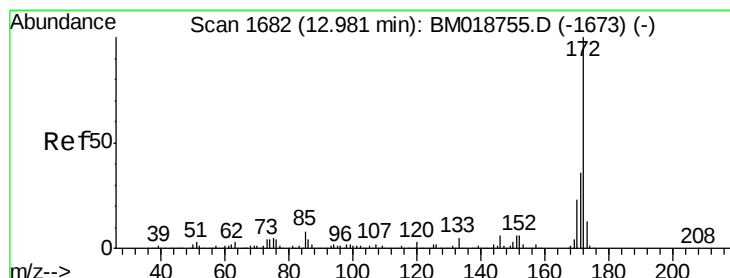
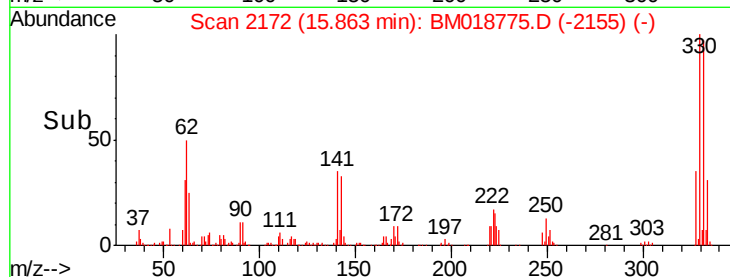
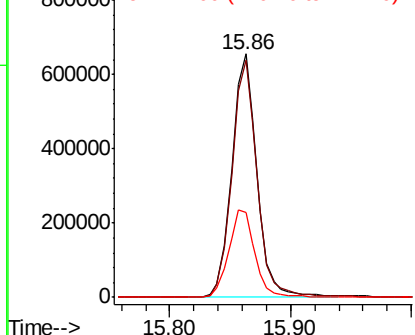
#42  
 2,4,6-Tribromophenol  
 Concen: 88.086 ng  
 RT: 15.86 min Scan# 2172  
 Delta R.T. 0.00 min  
 Lab File: BM018775.D  
 Acq: 12 Feb 2019 16:36

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117043BL

Tgt Ion:330 Resp: 949992  
 Ion Ratio Lower Upper  
 330 100  
 332 97.4 76.9 115.3  
 141 37.4 28.7 43.1

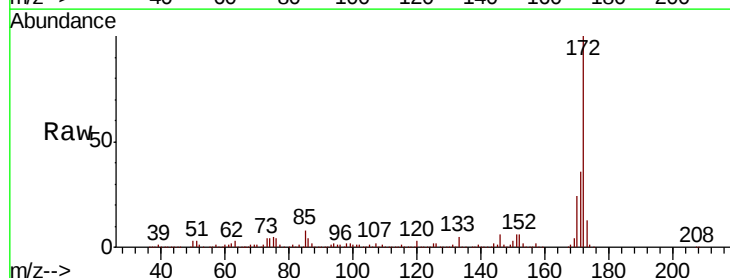


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

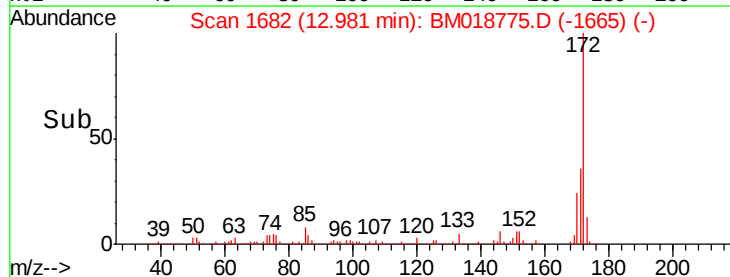
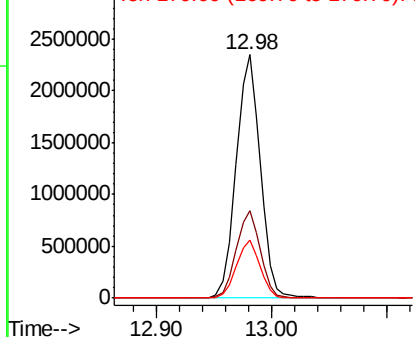


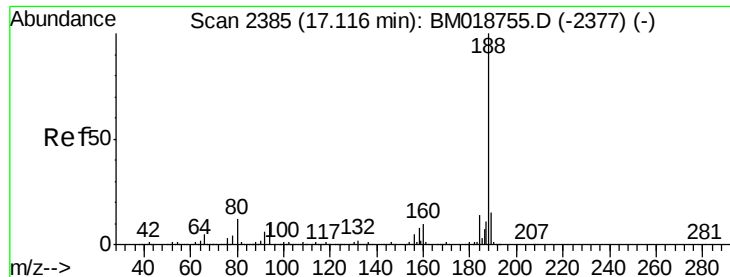
#45  
 2-Fluorobiphenyl  
 Concen: 60.288 ng  
 RT: 12.98 min Scan# 1682  
 Delta R.T. 0.00 min  
 Lab File: BM018775.D  
 Acq: 12 Feb 2019 16:36

Tgt Ion:172 Resp: 3397881  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.0 43.6  
 170 23.8 18.6 28.0



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

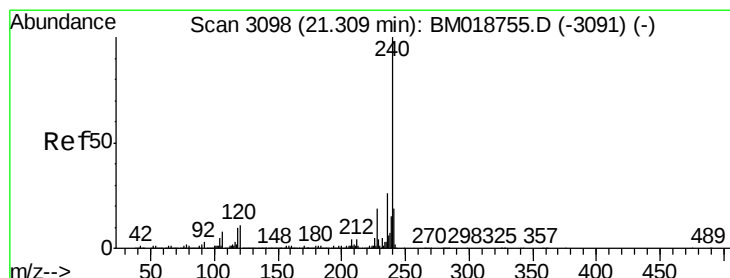
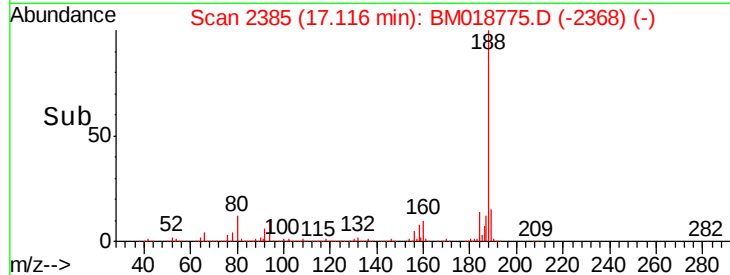
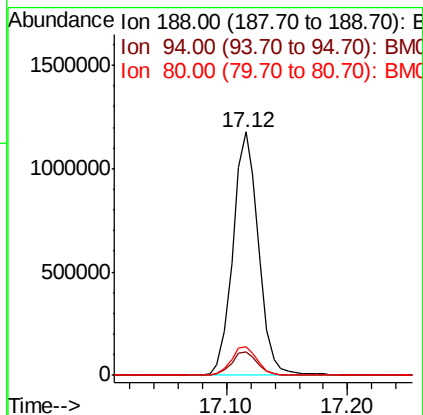
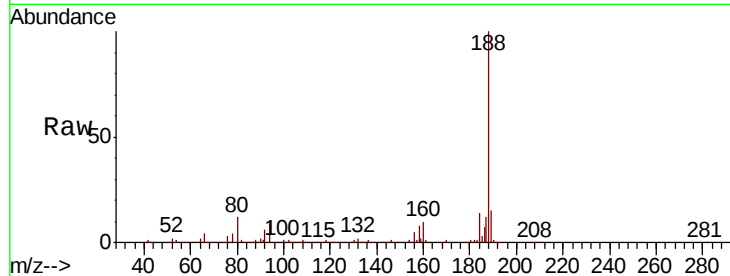




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.12 min Scan# 2385  
Delta R.T. 0.00 min  
Lab File: BM018775.D  
Acq: 12 Feb 2019 16:36

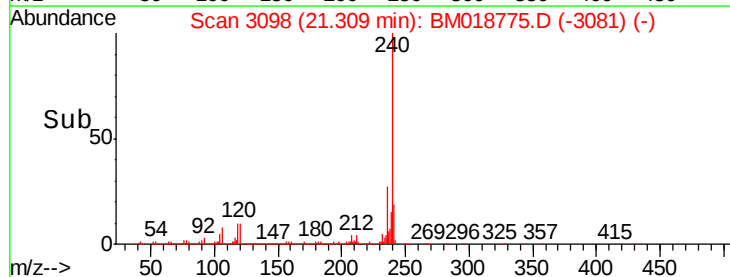
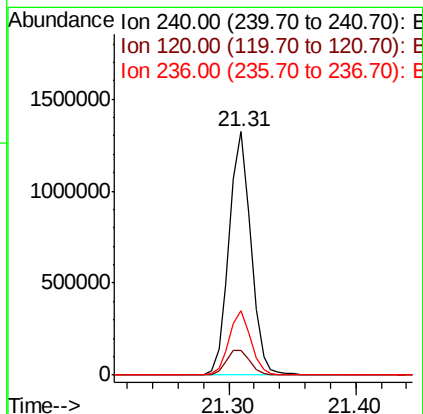
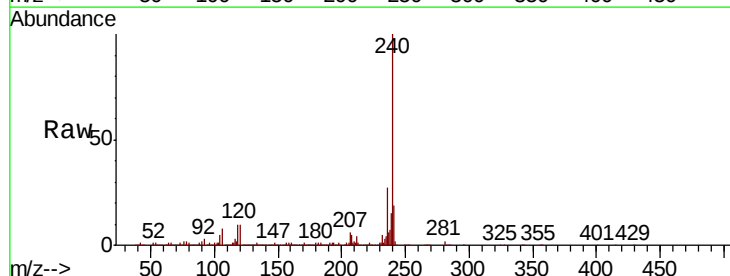
Instrument :  
BNA\_M  
ClientSampleId :  
PB117043BL

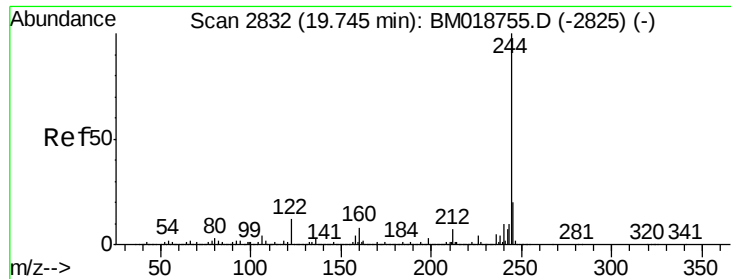
Tgt Ion:188 Resp: 1735045  
Ion Ratio Lower Upper  
188 100  
94 9.8 8.2 12.2  
80 11.9 9.7 14.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.31 min Scan# 3098  
Delta R.T. 0.00 min  
Lab File: BM018775.D  
Acq: 12 Feb 2019 16:36

Tgt Ion:240 Resp: 1578172  
Ion Ratio Lower Upper  
240 100  
120 10.2 8.9 13.3  
236 26.6 20.9 31.3

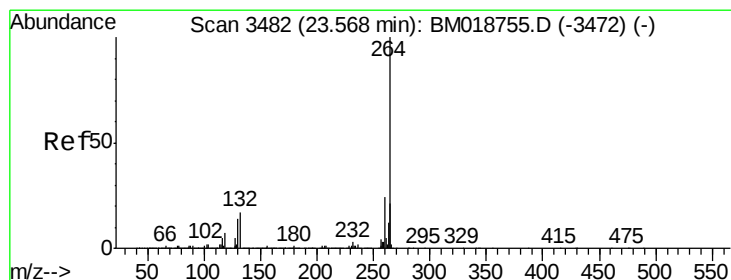
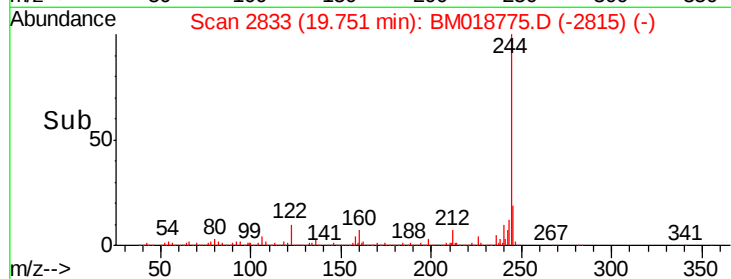
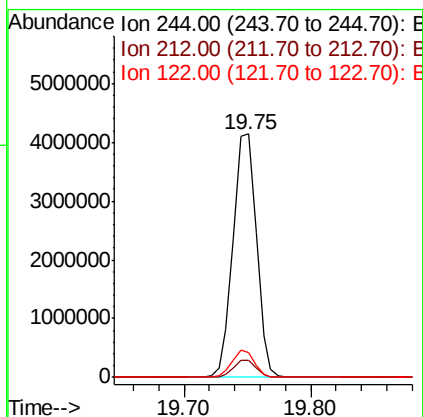
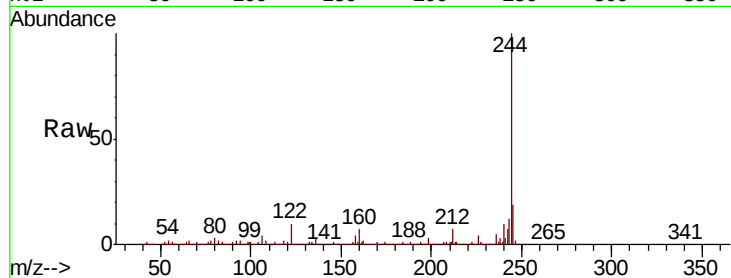




#79  
 Terphenyl-d14  
 Concen: 69.186 ng  
 RT: 19.75 min Scan# 2833  
 Delta R.T. 0.01 min  
 Lab File: BM018775.D  
 Acq: 12 Feb 2019 16:36

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB117043BL

Tgt Ion:244 Resp: 5292952  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.6 8.4  
 122 10.3 9.3 13.9



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.57 min Scan# 3482  
 Delta R.T. 0.00 min  
 Lab File: BM018775.D  
 Acq: 12 Feb 2019 16:36

Tgt Ion:264 Resp: 1339251  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 18.9 28.3  
 265 21.9 17.3 25.9

