

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM042319\  
 Data File : BM020057.D  
 Acq On : 24 Apr 2019 04:52  
 Operator : JU/SJ  
 Sample : PB119111BL  
 Misc :  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB119111BL

Quant Time: Apr 24 08:27:48 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM041519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 19 00:56:08 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.49  | 152  | 77889    | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.28 | 136  | 233126   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.17 | 164  | 139300   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10        | 16.94 | 188  | 292750   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12            | 21.15 | 240  | 365345   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12            | 23.33 | 264  | 423460   | 20.00 | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.11  | 112  | 445449   | 92.69 | ng    | -0.02    |
| 7) Phenol-d6                | 6.69  | 99   | 556866   | 76.99 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.67  | 82   | 335976   | 64.45 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 15.68 | 330  | 178889   | 79.78 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 12.76 | 172  | 706453   | 63.20 | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.57 | 244  | 1181283  | 57.03 | ng    | -0.02    |

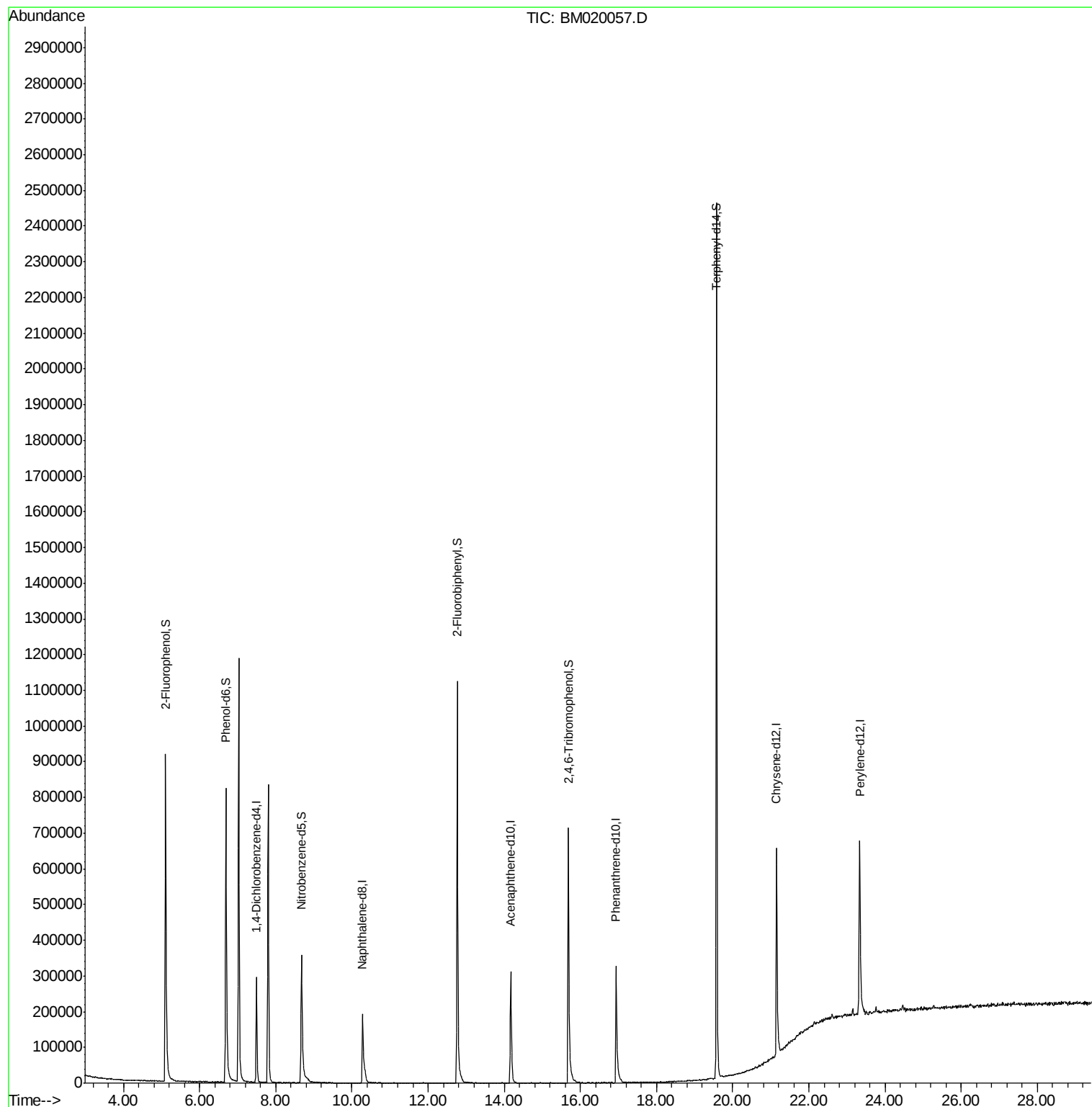
Target Compounds Qvalue

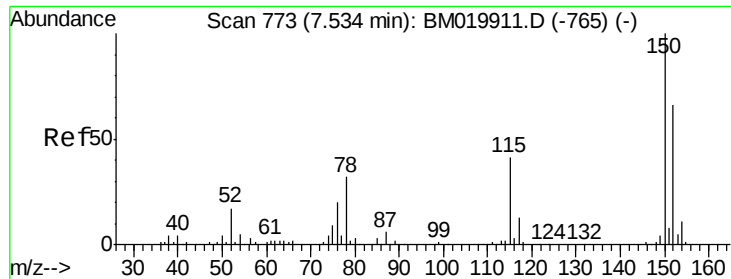
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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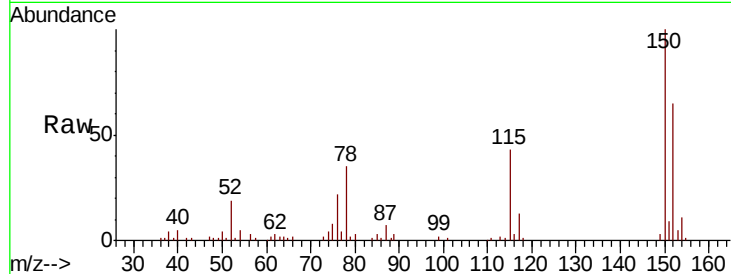


#1

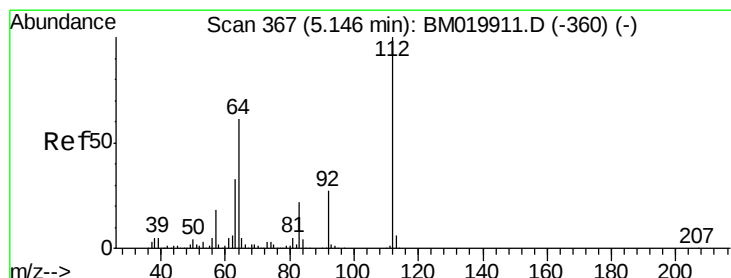
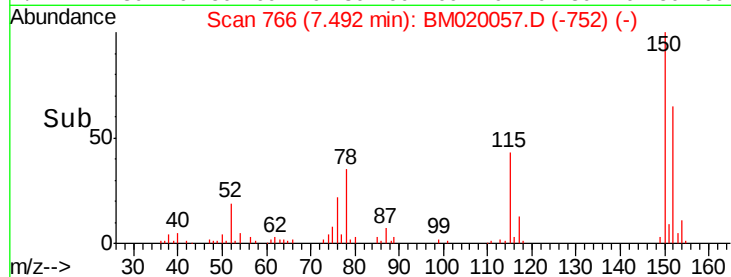
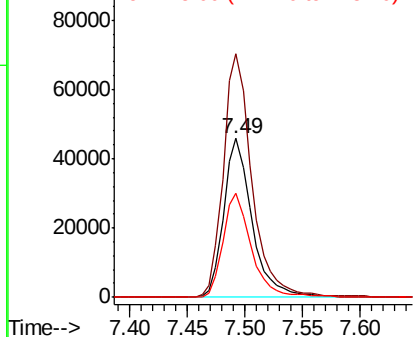
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.49 min Scan# 766  
 Delta R.T. -0.02 min  
 Lab File: BM020057.D  
 Acq: 24 Apr 2019 04:52

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB119111BL

Tot Ion:152 Resp: 77889  
 Ion Ratio Lower Upper  
 152 100  
 150 153.2 122.1 183.1  
 115 65.2 50.0 75.0



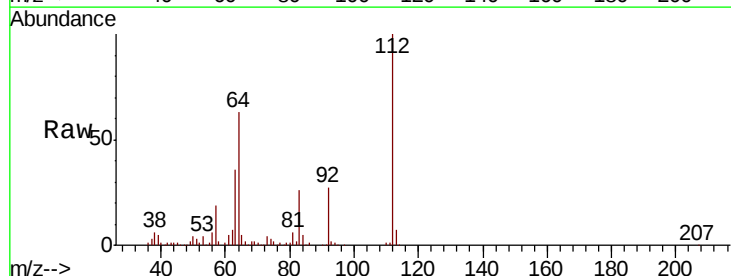
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



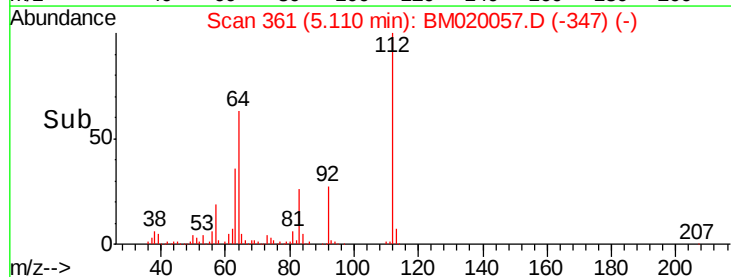
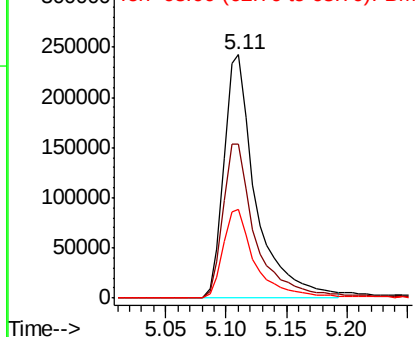
#5

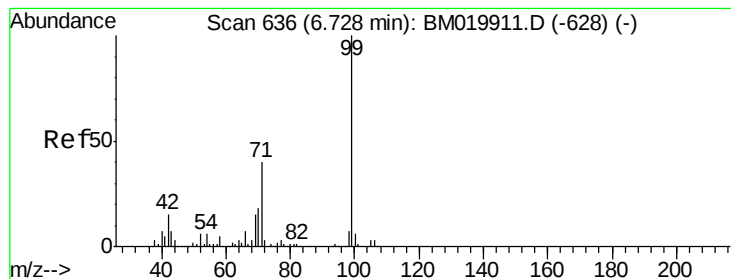
2-Fluorophenol  
 Concen: 92.685 ng  
 RT: 5.11 min Scan# 361  
 Delta R.T. -0.02 min  
 Lab File: BM020057.D  
 Acq: 24 Apr 2019 04:52

Tgt Ion:112 Resp: 445449  
 Ion Ratio Lower Upper  
 112 100  
 64 63.0 49.1 73.7  
 63 36.3 26.5 39.7



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: 76.990 ng

RT: 6.69 min Scan# 629

Delta R.T. -0.02 min

Lab File: BM020057.D

Acq: 24 Apr 2019 04:52

Instrument :

BNA\_M

ClientSampleId :

PB119111BL

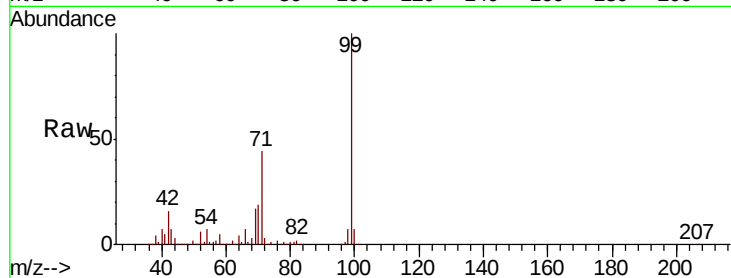
Tot Ion: 99 Resp: 556866

Ion Ratio Lower Upper

99 100

42 15.7 11.8 17.8

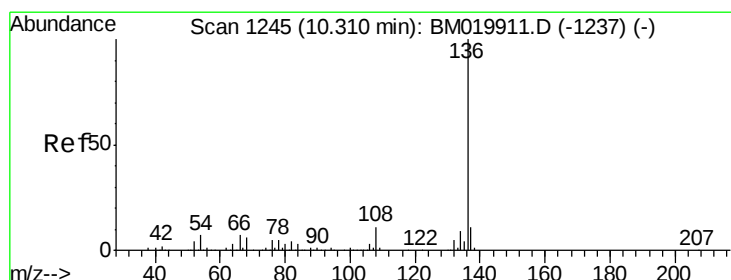
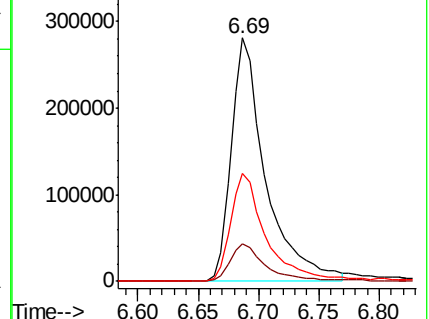
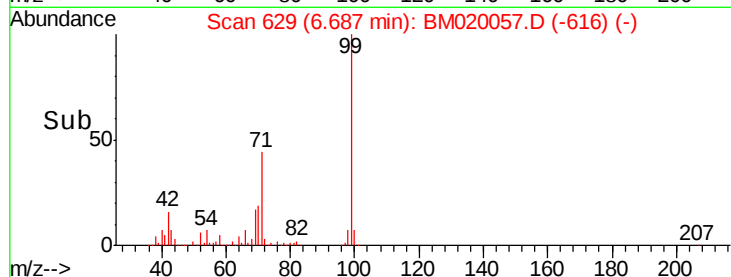
71 44.4 32.0 48.0



Abundance Ion 99.00 (98.70 to 99.70): BM020057.D (-616) (-)

Ion 42.00 (41.70 to 42.70): BM020057.D (-616) (-)

Ion 71.00 (70.70 to 71.70): BM020057.D (-616) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.28 min Scan# 1240

Delta R.T. -0.01 min

Lab File: BM020057.D

Acq: 24 Apr 2019 04:52

Tgt Ion: 136 Resp: 233126

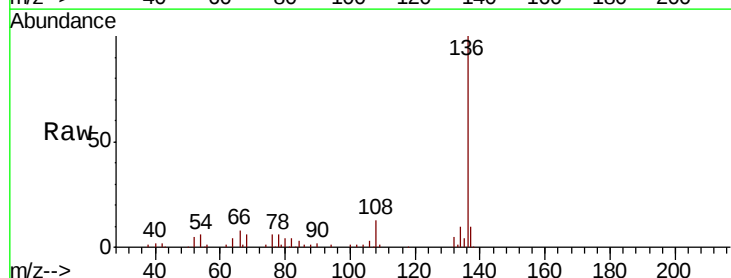
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.6

54 6.3 5.3 7.9

68 5.6 5.2 7.8

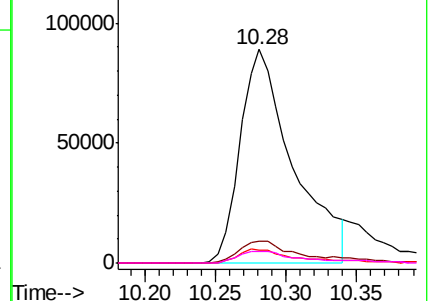
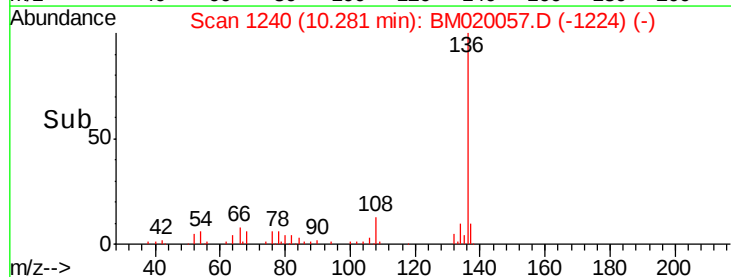


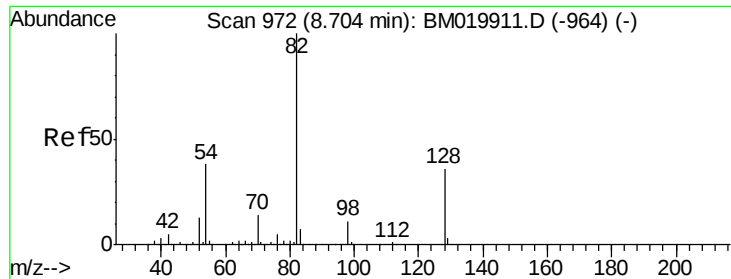
Abundance Ion 136.00 (135.70 to 136.70): BM020057.D (-1224) (-)

Ion 137.00 (136.70 to 137.70): BM020057.D (-1224) (-)

Ion 54.00 (53.70 to 54.70): BM020057.D (-1224) (-)

Ion 68.00 (67.70 to 68.70): BM020057.D (-1224) (-)

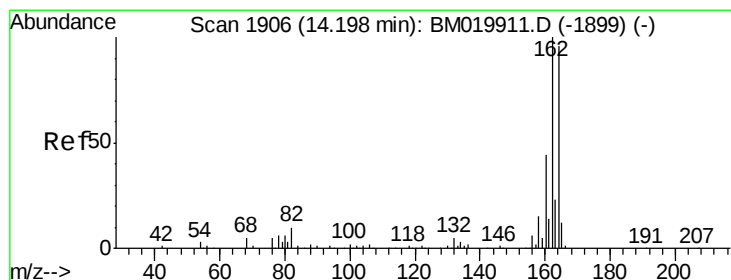
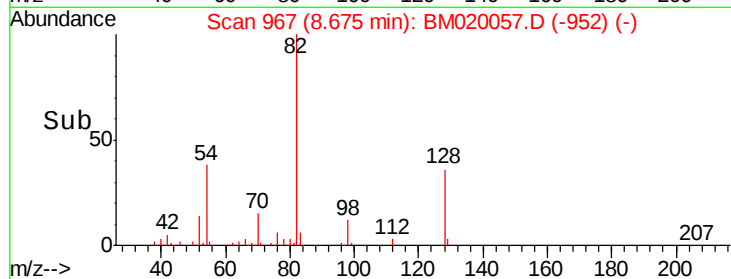
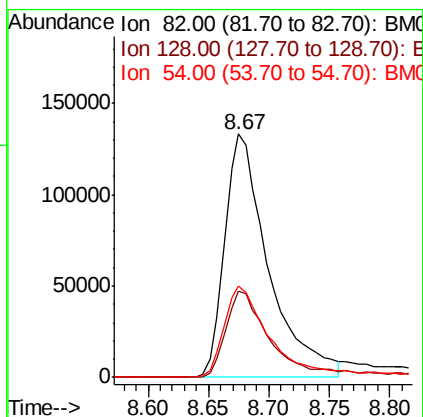
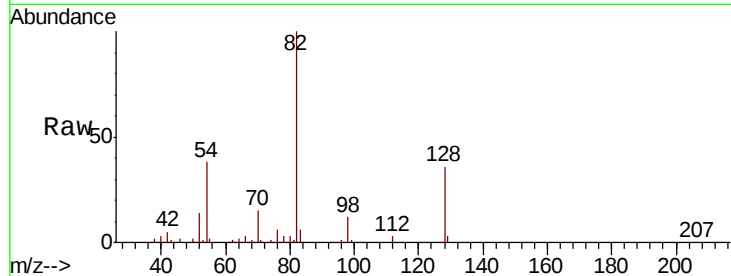




#23  
Nitrobenzene-d5  
Concen: 64.451 ng  
RT: 8.67 min Scan# 967  
Delta R.T. -0.01 min  
Lab File: BM020057.D  
Acq: 24 Apr 2019 04:52

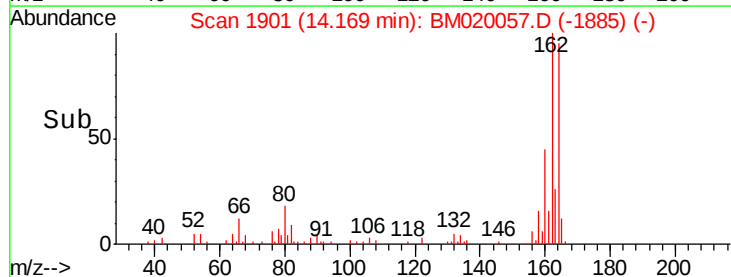
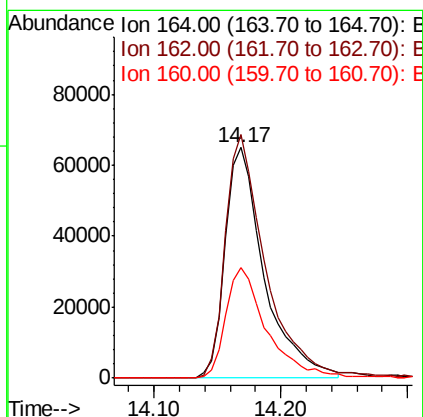
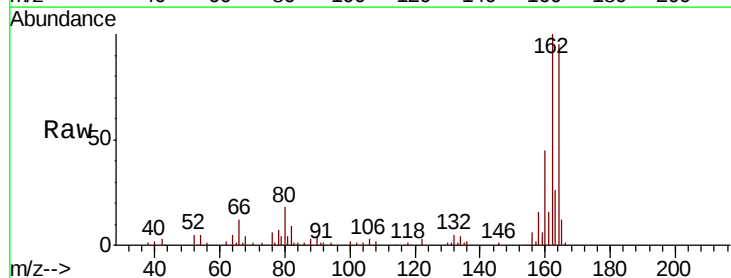
Instrument :  
BNA\_M  
ClientSampleId :  
PB119111BL

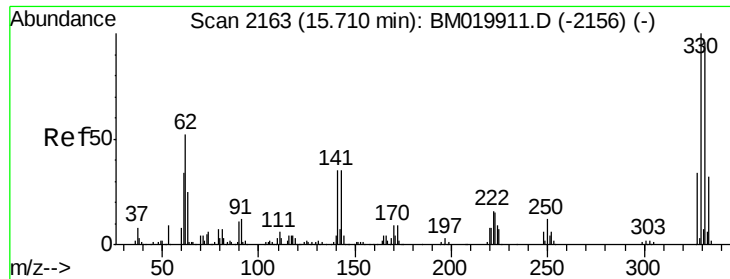
| Tot Ion   | 82   | Resp  | 335976 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 35.5 | 29.0  | 43.4   |
| 54        | 37.8 | 30.2  | 45.4   |



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.17 min Scan# 1901  
Delta R.T. -0.01 min  
Lab File: BM020057.D  
Acq: 24 Apr 2019 04:52

| Tgt Ion   | 164   | Resp  | 139300 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 105.6 | 83.0  | 124.4  |
| 160       | 47.7  | 36.6  | 55.0   |

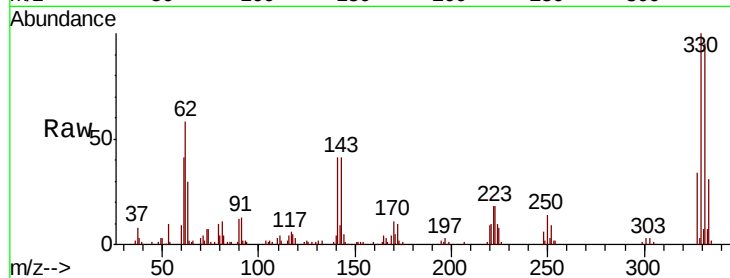




#42  
 2,4,6-Tribromophenol  
 Concen: 79.778 ng  
 RT: 15.68 min Scan# 2158  
 Delta R.T. -0.01 min  
 Lab File: BM020057.D  
 Acq: 24 Apr 2019 04:52

Instrument :  
 BNA\_M  
 ClientSampled :  
 PB119111BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.6  | 77.4  | 116.2 |
| 141     | 41.2  | 29.0  | 43.4  |

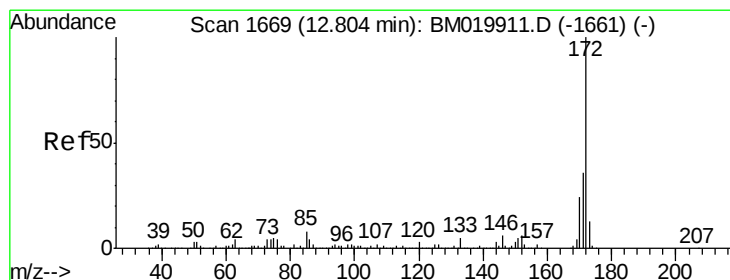
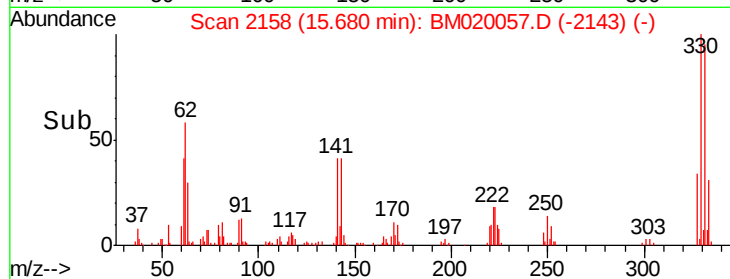
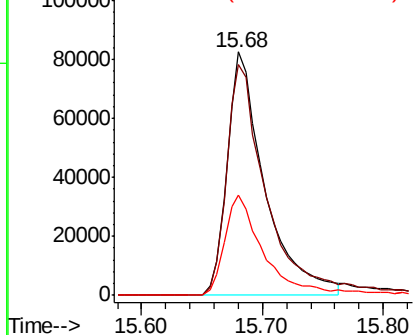


Abundance

Ion 329.80 (329.50 to 330.50): E

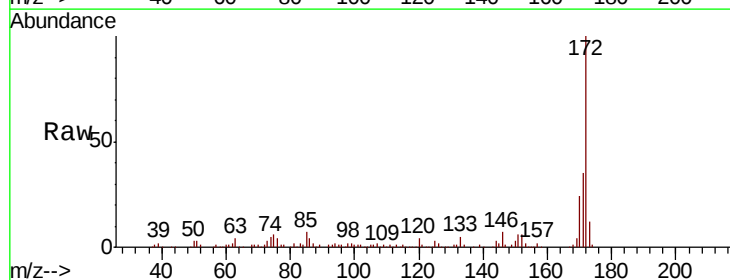
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45  
 2-Fluorobiphenyl  
 Concen: 63.202 ng  
 RT: 12.76 min Scan# 1662  
 Delta R.T. -0.02 min  
 Lab File: BM020057.D  
 Acq: 24 Apr 2019 04:52

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 28.9  | 43.3  |
| 170     | 23.5  | 19.0  | 28.4  |

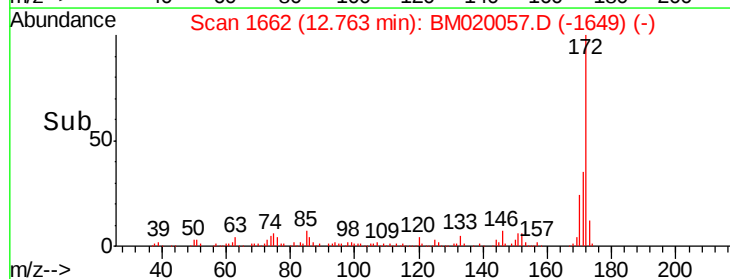
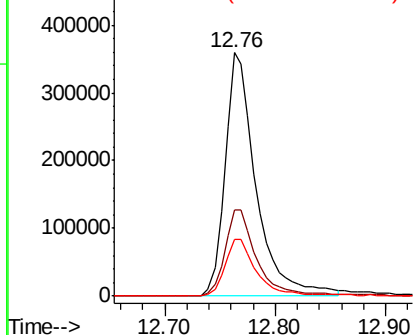


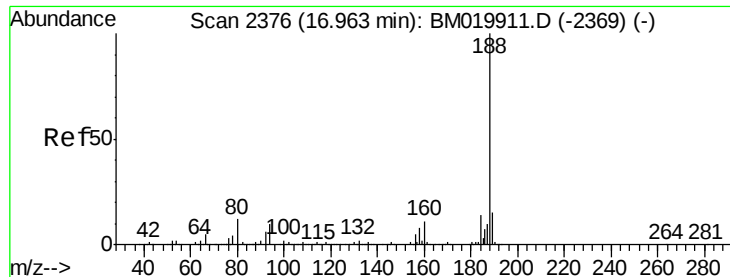
Abundance

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: 16.94 min Scan# 2372

Delta R.T. -0.01 min

Lab File: BM020057.D

Acq: 24 Apr 2019 04:52

Instrument :

BNA\_M

ClientSampleId :

PB119111BL

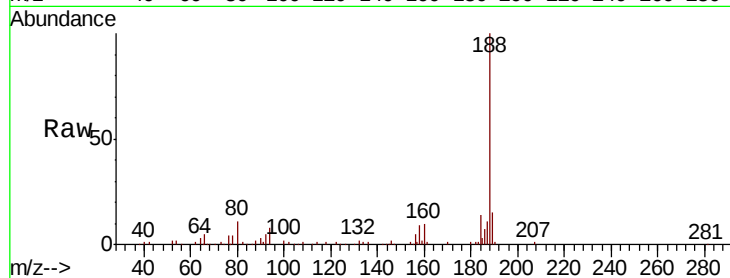
Tot Ion:188 Resp: 292750

Ion Ratio Lower Upper

188 100

94 7.6 7.6 11.4

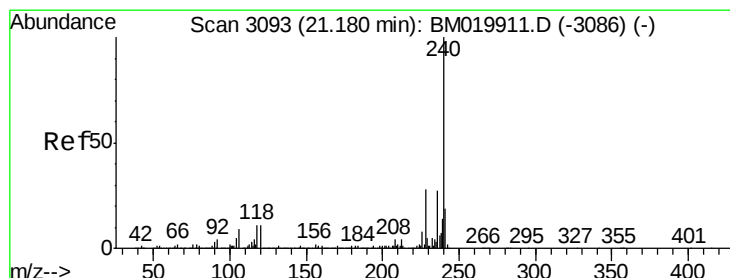
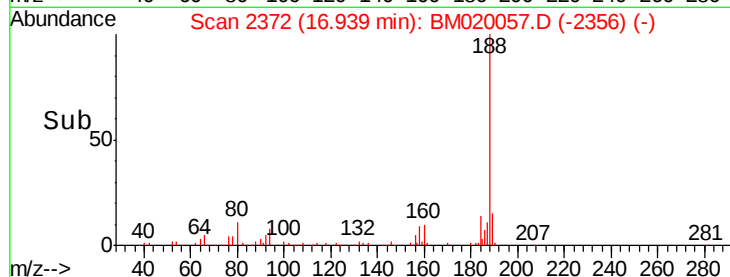
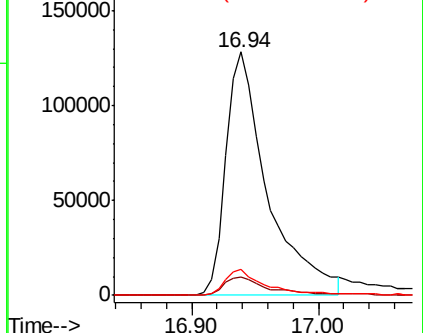
80 10.8 9.4 14.0



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: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM020057.D

Acq: 24 Apr 2019 04:52

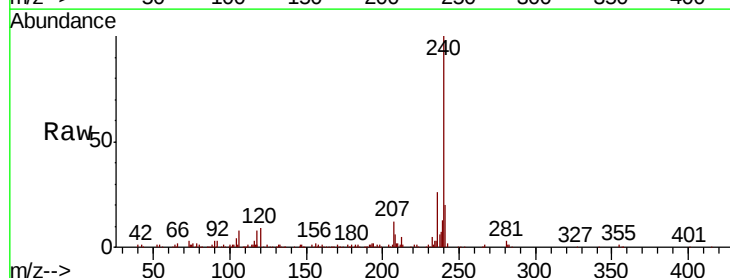
Tgt Ion:240 Resp: 365345

Ion Ratio Lower Upper

240 100

120 8.9 8.6 13.0

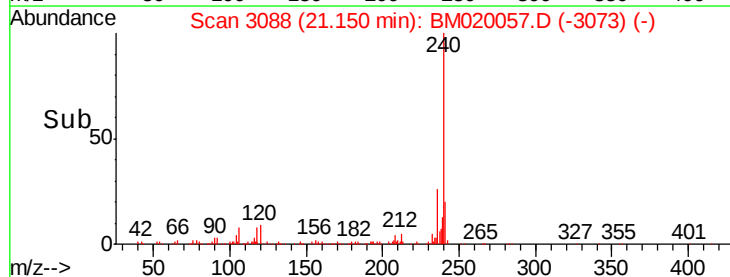
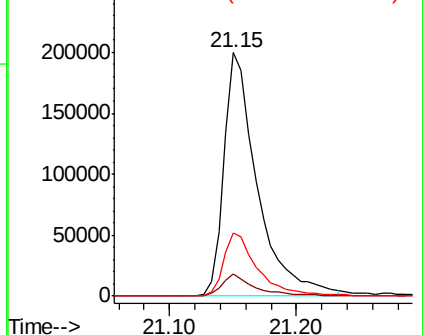
236 26.1 21.4 32.2

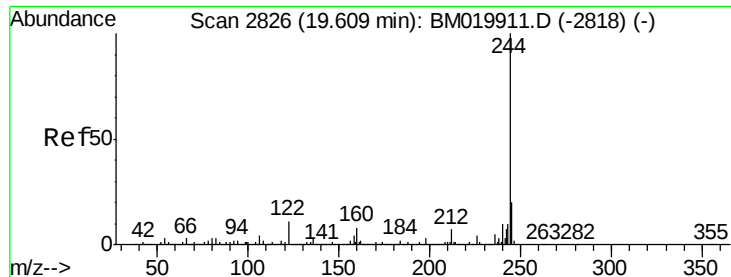


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

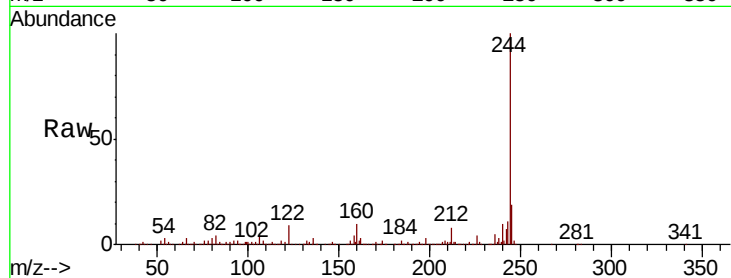




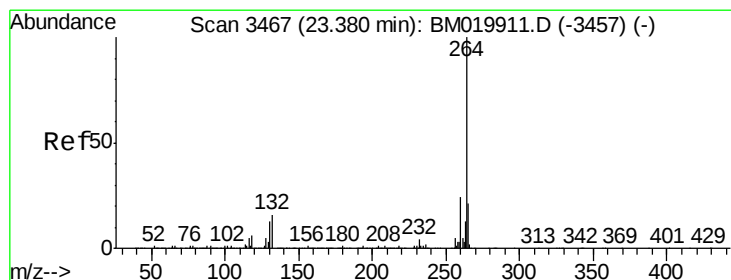
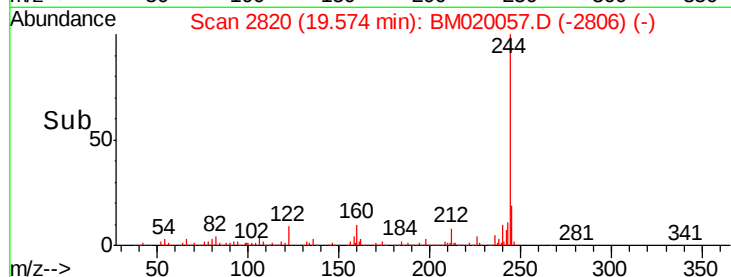
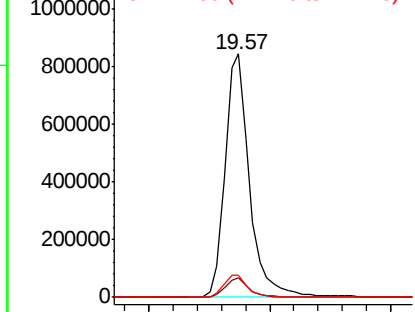
#79  
 Terphenyl-d14  
 Concen: 57.030 ng  
 RT: 19.57 min Scan# 2820  
 Delta R.T. -0.02 min  
 Lab File: BM020057.D  
 Acq: 24 Apr 2019 04:52

Instrument :  
 BNA\_M  
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 PB119111BL

Tot Ion:244 Resp: 1181283  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 5.7 8.5  
 122 9.1 9.1 13.7#

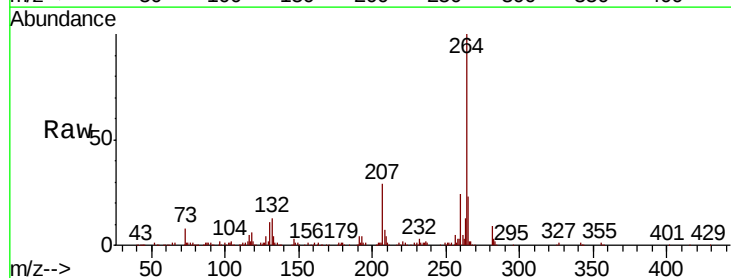


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.33 min Scan# 3459  
 Delta R.T. -0.02 min  
 Lab File: BM020057.D  
 Acq: 24 Apr 2019 04:52

Tgt Ion:264 Resp: 423460  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.2 28.8  
 265 23.0 17.2 25.8



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

