

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060519\  
 Data File : BM020731.D  
 Acq On : 05 Jun 2019 11:54  
 Operator : HP/JU  
 Sample : PB191779BL  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB119779BL

Quant Time: Jun 05 18:22:41 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM053119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 05 18:16:03 2019  
 Response via : Initial Calibration

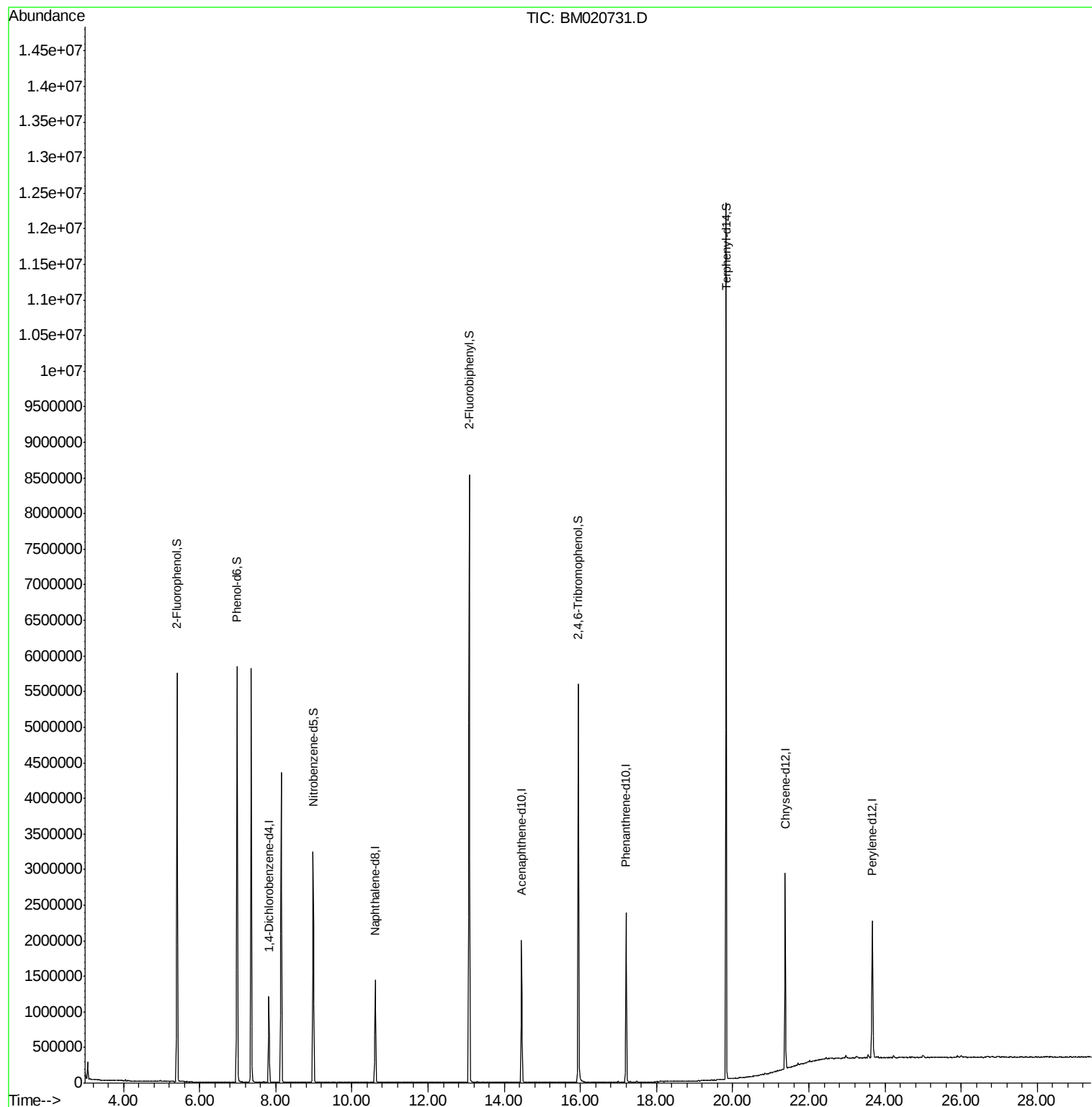
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units    | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|----------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.82  | 152  | 311369   | 20.00     | ng       | 0.00     |
| 21) Naphthalene-d8          | 10.61 | 136  | 1193344  | 20.00     | ng       | 0.00     |
| 39) Acenaphthene-d10        | 14.46 | 164  | 646122   | 20.00     | ng       | 0.00     |
| 64) Phenanthrene-d10        | 17.20 | 188  | 1345342  | 20.00     | ng       | 0.00     |
| 76) Chrysene-d12            | 21.38 | 240  | 1165348  | 20.00     | ng       | 0.00     |
| 87) Perylene-d12            | 23.67 | 264  | 1367188  | 20.00     | ng       | 0.00     |
| System Monitoring Compounds |       |      |          |           |          |          |
| 5) 2-Fluorophenol           | 5.40  | 112  | 2331894  | 131.74    | ng       | 0.00     |
| 7) Phenol-d6                | 6.99  | 99   | 3159597  | 121.23    | ng       | 0.00     |
| 23) Nitrobenzene-d5         | 8.98  | 82   | 1903297  | 82.64     | ng       | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.94 | 330  | 1029137  | 128.56    | ng       | 0.00     |
| 45) 2-Fluorobiphenyl        | 13.08 | 172  | 4342117  | 89.34     | ng       | 0.00     |
| 79) Terphenyl-d14           | 19.83 | 244  | 5448088  | 78.20     | ng       | 0.00     |
| Target Compounds            |       |      |          |           |          |          |
| 9) Benzaldehyde             | 6.99  | 77   | 6107     | Below Cal | Qvalue # | 4        |

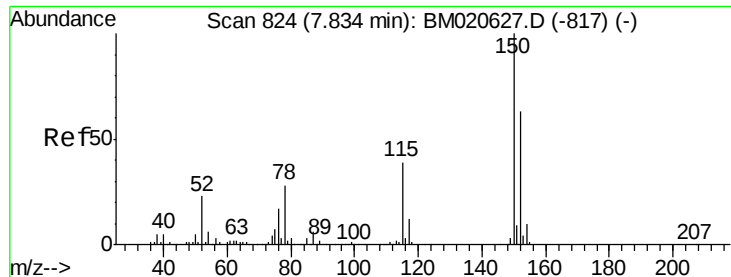
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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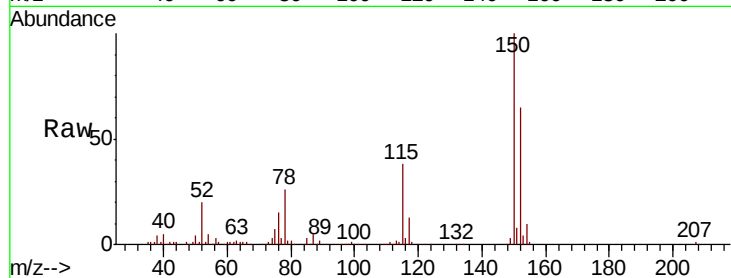


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.82 min Scan# 822  
Delta R.T. 0.00 min  
Lab File: BM020731.D  
Acq: 05 Jun 2019 11:54

Instrument :  
BNA\_M  
ClientSampleId :  
PB119779BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.5 | 124.0 | 186.0 |
| 115     | 58.1  | 47.0  | 70.6  |

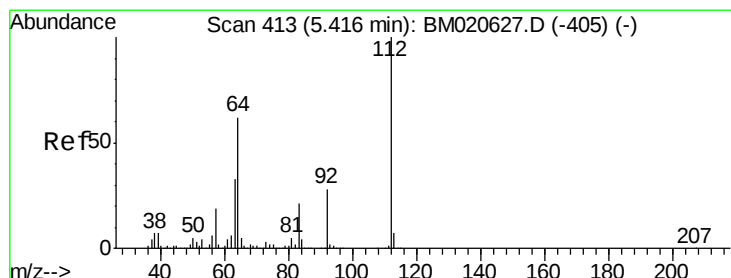
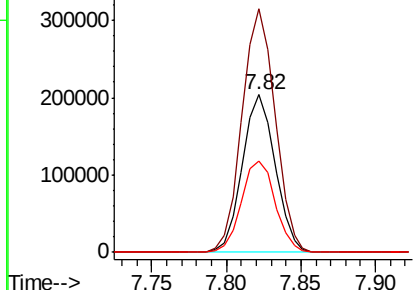
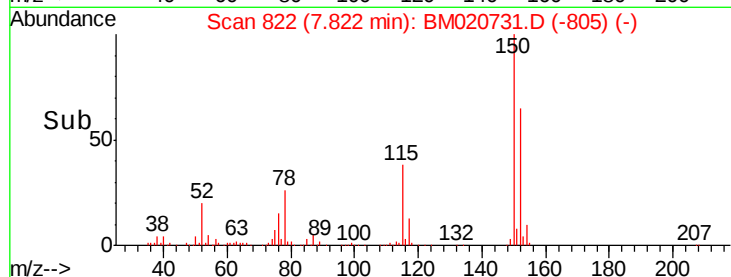


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

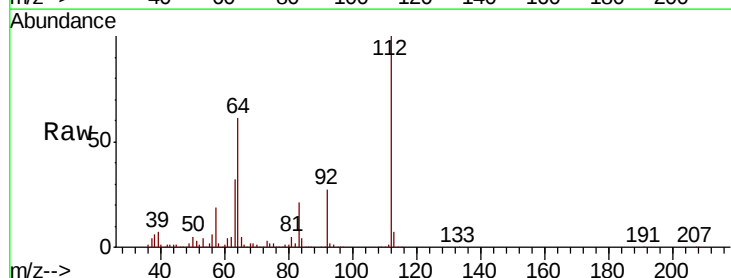
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 131.739 ng  
RT: 5.40 min Scan# 411  
Delta R.T. 0.00 min  
Lab File: BM020731.D  
Acq: 05 Jun 2019 11:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.3  | 47.8  | 71.8  |
| 63      | 31.7  | 25.4  | 38.0  |

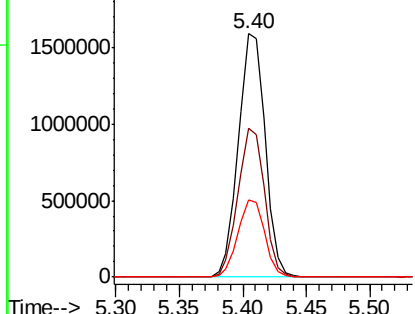
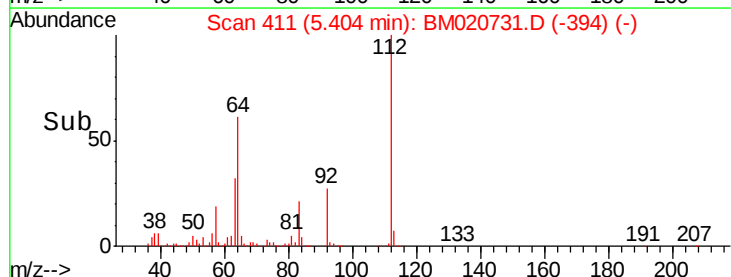


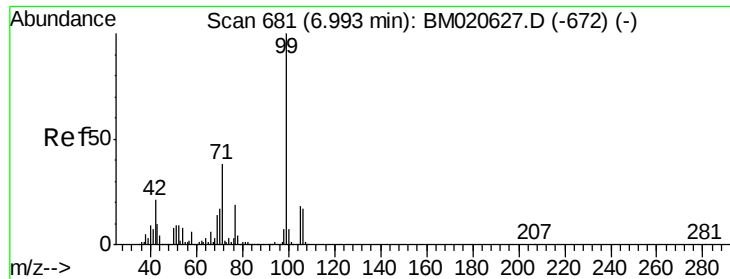
Abundance

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: 121.226 ng

RT: 6.99 min Scan# 680

Delta R.T. 0.00 min

Lab File: BM020731.D

Acq: 05 Jun 2019 11:54

Instrument :

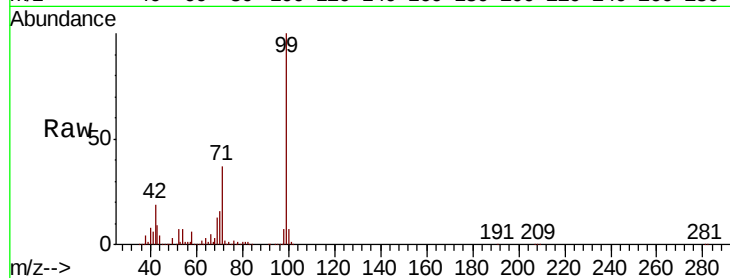
BNA\_M

ClientSampled :

PB119779BL

Tot Ion: 99 Resp: 3159597

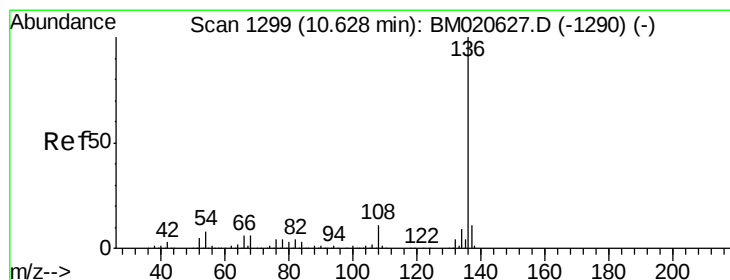
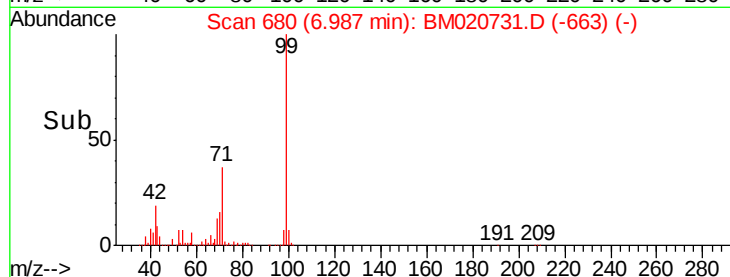
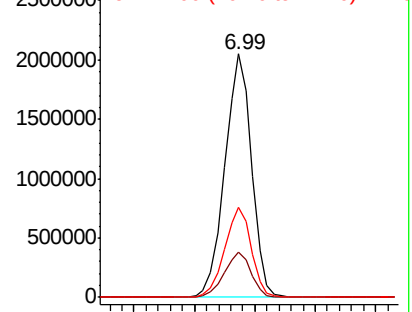
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 18.6  | 14.8  | 22.2  |
| 71  | 36.8  | 29.5  | 44.3  |



Abundance Ion 99.00 (98.70 to 99.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 71.00 (70.70 to 71.70): BM0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.61 min Scan# 1296

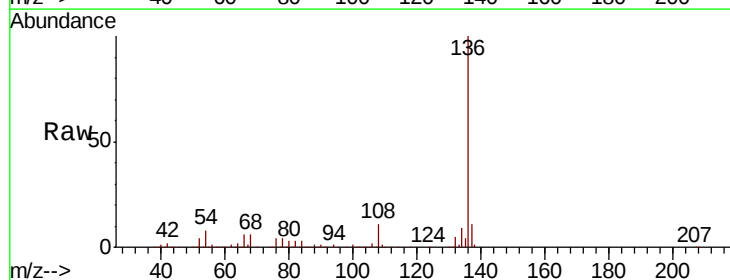
Delta R.T. -0.01 min

Lab File: BM020731.D

Acq: 05 Jun 2019 11:54

Tgt Ion: 136 Resp: 1193344

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.7   | 13.1  |
| 54  | 7.8   | 6.0   | 9.0   |
| 68  | 6.0   | 4.4   | 6.6   |

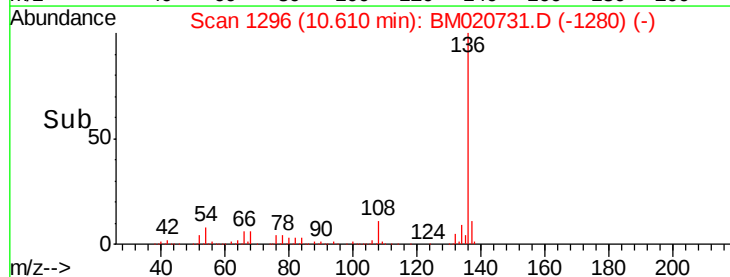
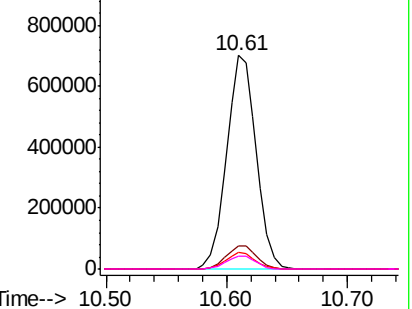


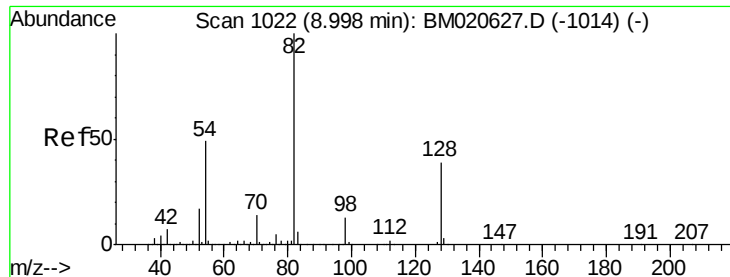
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM0

Ion 68.00 (67.70 to 68.70): BM0

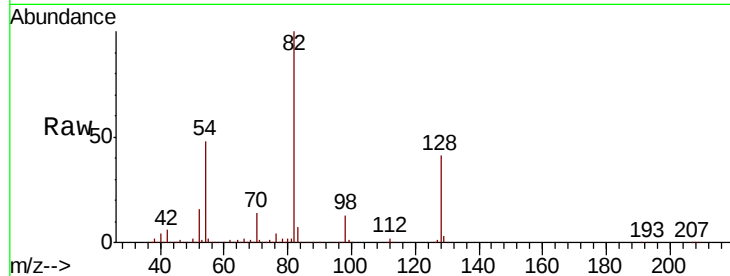




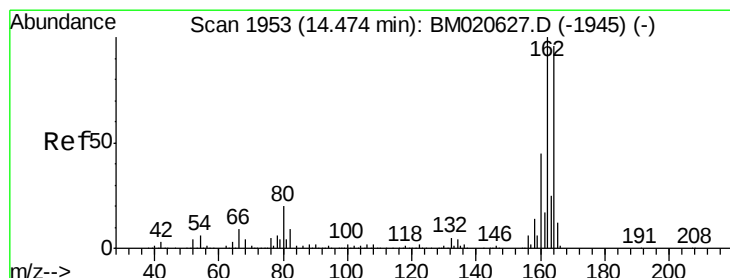
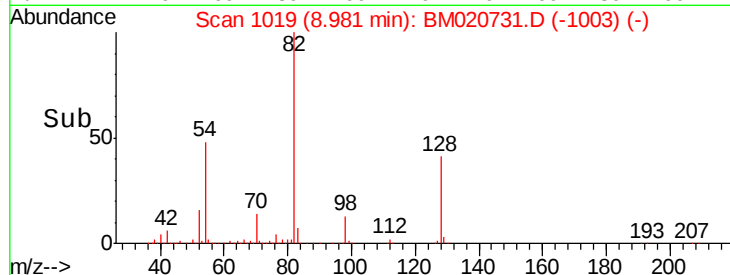
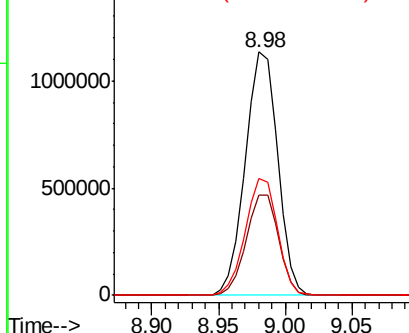
#23  
Nitrobenzene-d5  
Concen: 82.636 ng  
RT: 8.98 min Scan# 1019  
Delta R.T. -0.01 min  
Lab File: BM020731.D  
Acq: 05 Jun 2019 11:54

Instrument :  
BNA\_M  
ClientSampleId :  
PB119779BL

Tot Ion: 82 Resp: 1903297  
Ion Ratio Lower Upper  
82 100  
128 41.2 33.2 49.8  
54 48.1 37.7 56.5

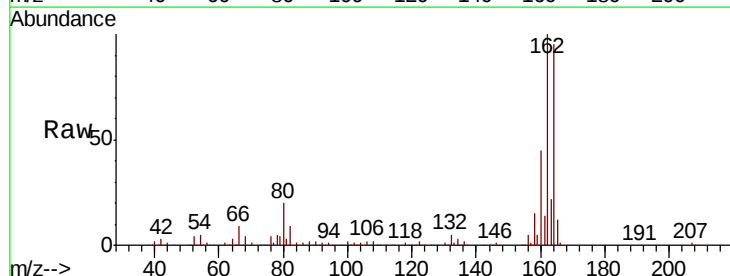


Abundance Ion 82.00 (81.70 to 82.70): BM0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BM0

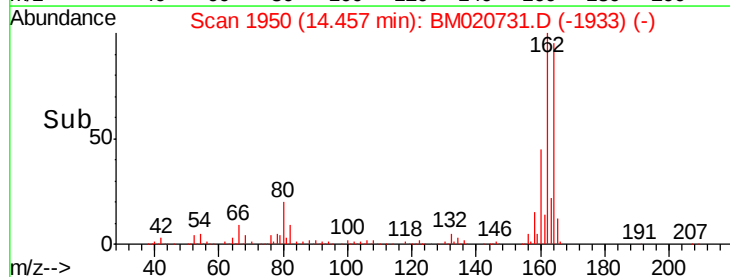
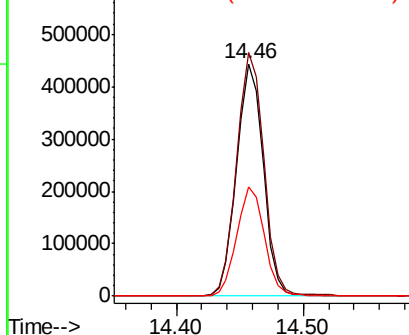


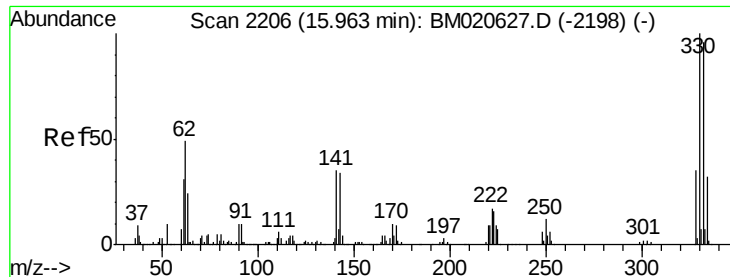
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.46 min Scan# 1950  
Delta R.T. 0.00 min  
Lab File: BM020731.D  
Acq: 05 Jun 2019 11:54

Tgt Ion:164 Resp: 646122  
Ion Ratio Lower Upper  
164 100  
162 104.8 83.5 125.3  
160 46.9 37.2 55.8



Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

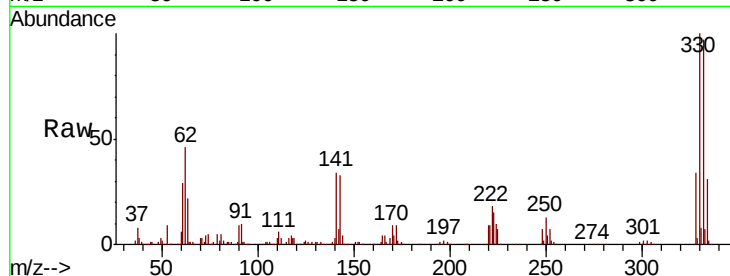




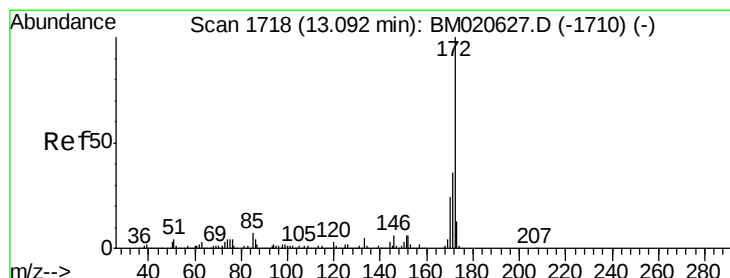
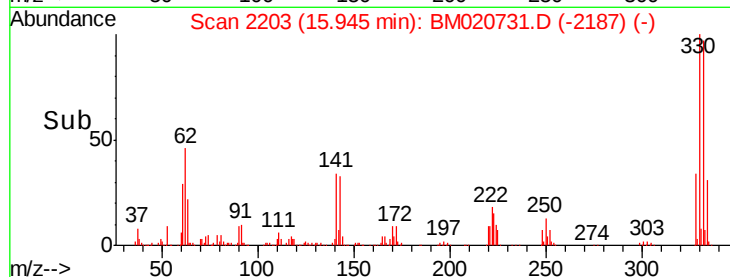
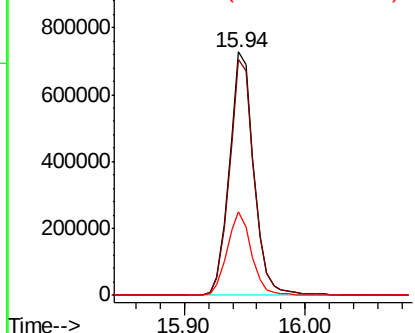
#42  
 2,4,6-Tribromophenol  
 Concen: 128.555 ng  
 RT: 15.94 min Scan# 2203  
 Delta R.T. -0.01 min  
 Lab File: BM020731.D  
 Acq: 05 Jun 2019 11:54

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB119779BL

Tot Ion:330 Resp: 1029137  
 Ion Ratio Lower Upper  
 330 100  
 332 96.9 77.0 115.4  
 141 34.1 27.7 41.5

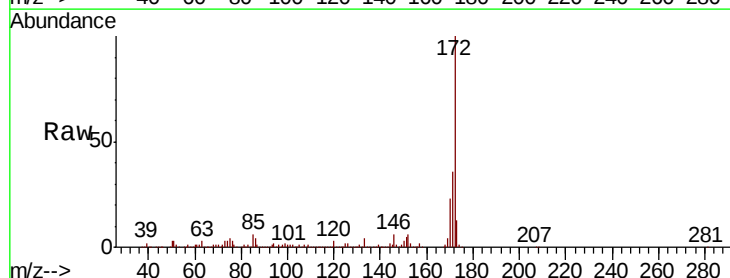


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

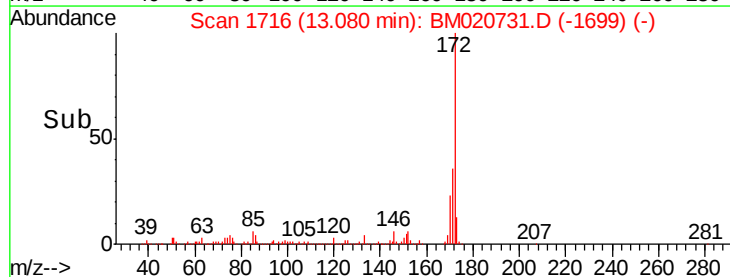
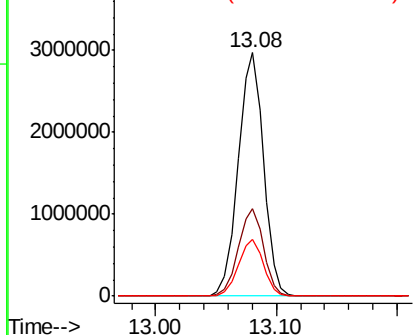


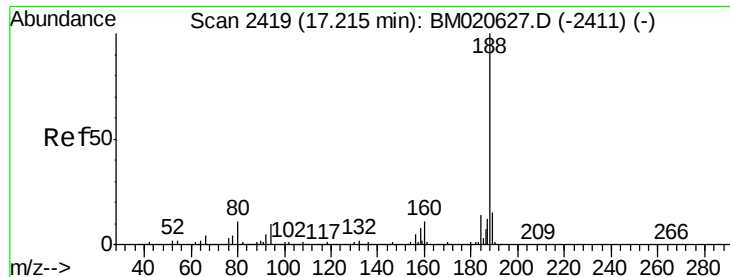
#45  
 2-Fluorobiphenyl  
 Concen: 89.343 ng  
 RT: 13.08 min Scan# 1716  
 Delta R.T. 0.00 min  
 Lab File: BM020731.D  
 Acq: 05 Jun 2019 11:54

Tgt Ion:172 Resp: 4342117  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 28.8 43.2  
 170 23.3 18.5 27.7



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

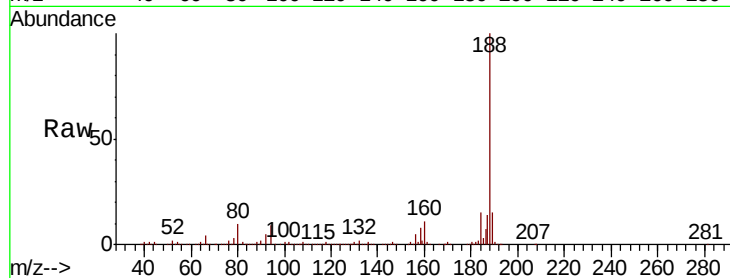




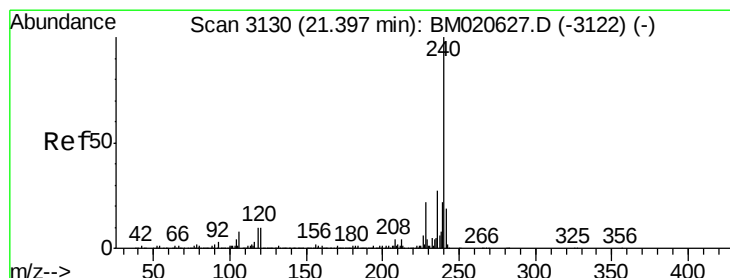
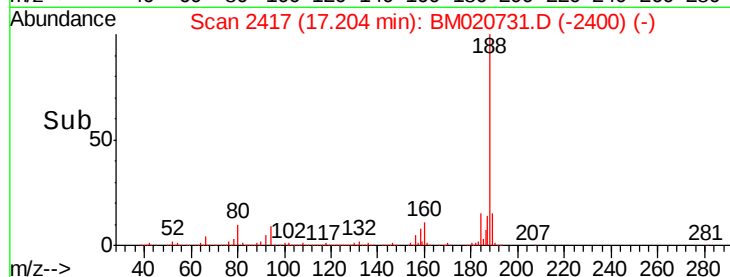
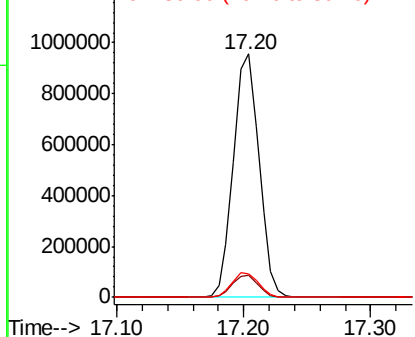
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.20 min Scan# 2417  
Delta R.T. 0.00 min  
Lab File: BM020731.D  
Acq: 05 Jun 2019 11:54

Instrument :  
BNA\_M  
ClientSampleId :  
PB119779BL

Tot Ion:188 Resp: 1345342  
Ion Ratio Lower Upper  
188 100  
94 9.0 7.0 10.4  
80 9.6 7.8 11.8

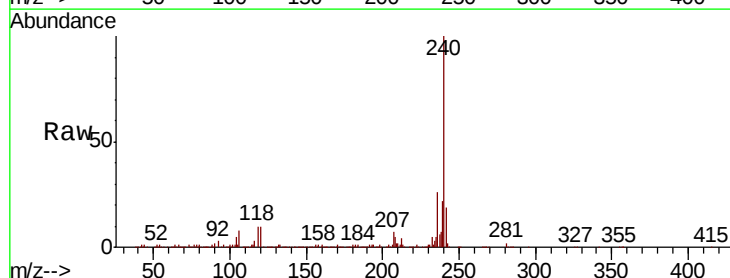


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM  
Ion 80.00 (79.70 to 80.70): BM

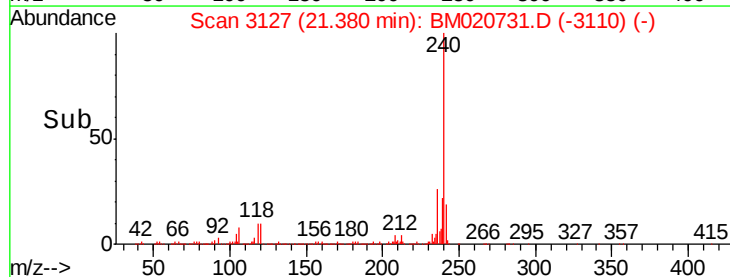
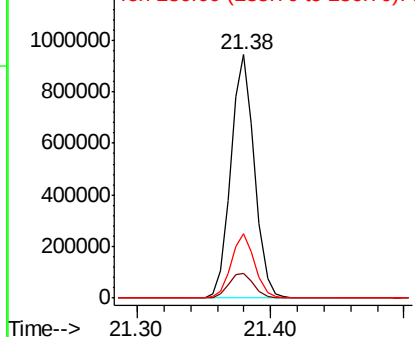


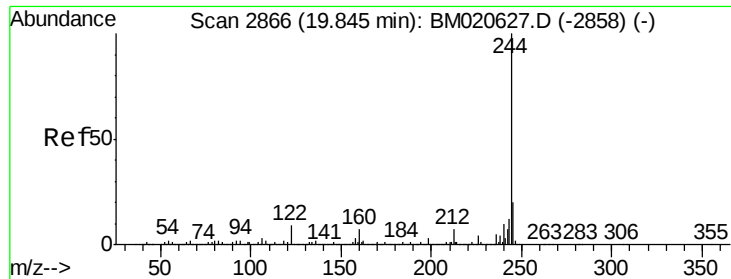
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.38 min Scan# 3127  
Delta R.T. 0.00 min  
Lab File: BM020731.D  
Acq: 05 Jun 2019 11:54

Tgt Ion:240 Resp: 1165348  
Ion Ratio Lower Upper  
240 100  
120 10.3 8.4 12.6  
236 26.5 21.1 31.7



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

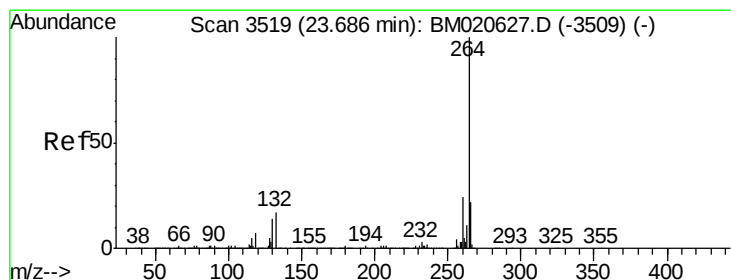
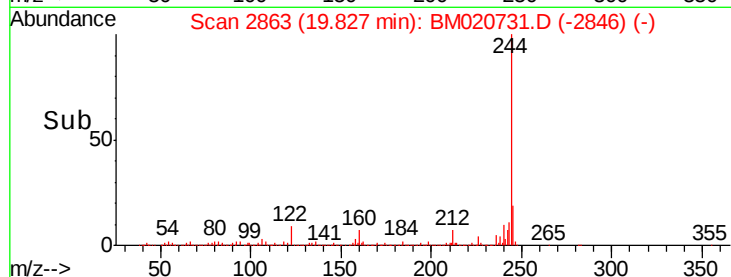
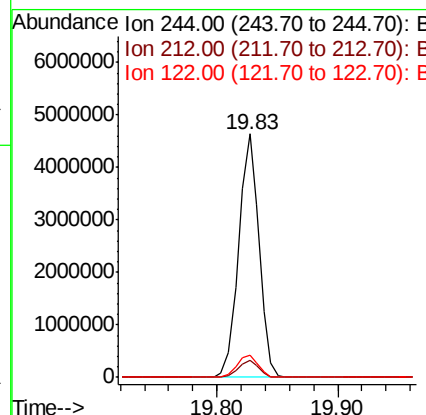
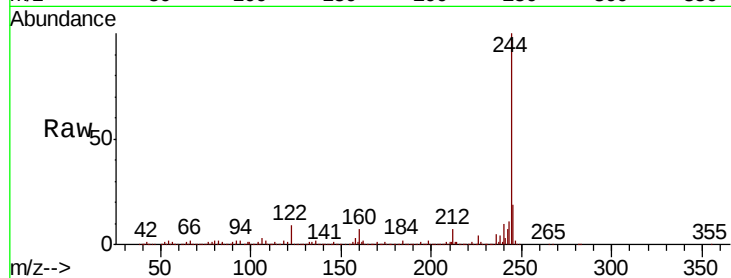




#79  
 Terphenyl-d14  
 Concen: 78.198 ng  
 RT: 19.83 min Scan# 2863  
 Delta R.T. 0.00 min  
 Lab File: BM020731.D  
 Acq: 05 Jun 2019 11:54

Instrument :  
 BNA\_M  
 ClientSampleId :  
 PB119779BL

Tot Ion:244 Resp: 5448088  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.6 8.4  
 122 9.2 7.4 11.0



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.67 min Scan# 3516  
 Delta R.T. 0.00 min  
 Lab File: BM020731.D  
 Acq: 05 Jun 2019 11:54

Tgt Ion:264 Resp: 1367188  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.1 28.7  
 265 21.5 17.4 26.0

