

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031219\  
 Data File : BM019130.D  
 Acq On : 13 Mar 2019 03:39  
 Operator : JU/SJ  
 Sample : K1849-03  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 H1308-PC

Quant Time: Mar 13 06:01:12 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 11 17:30:46 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.66  | 152  | 246520   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.45 | 136  | 1128912  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.32 | 164  | 711723   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.07 | 188  | 1538110  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.27 | 240  | 1310545  | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.51 | 264  | 1122314  | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.26  | 112  | 1901830  | 124.94 | ng    | 0.00     |
| 7) Phenol-d6                | 6.85  | 99   | 2385656  | 107.15 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.83  | 82   | 2158502  | 90.38  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.82 | 330  | 1526628  | 145.28 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.93 | 172  | 4371683  | 79.90  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.71 | 244  | 7111939  | 107.73 | ng    | 0.00     |

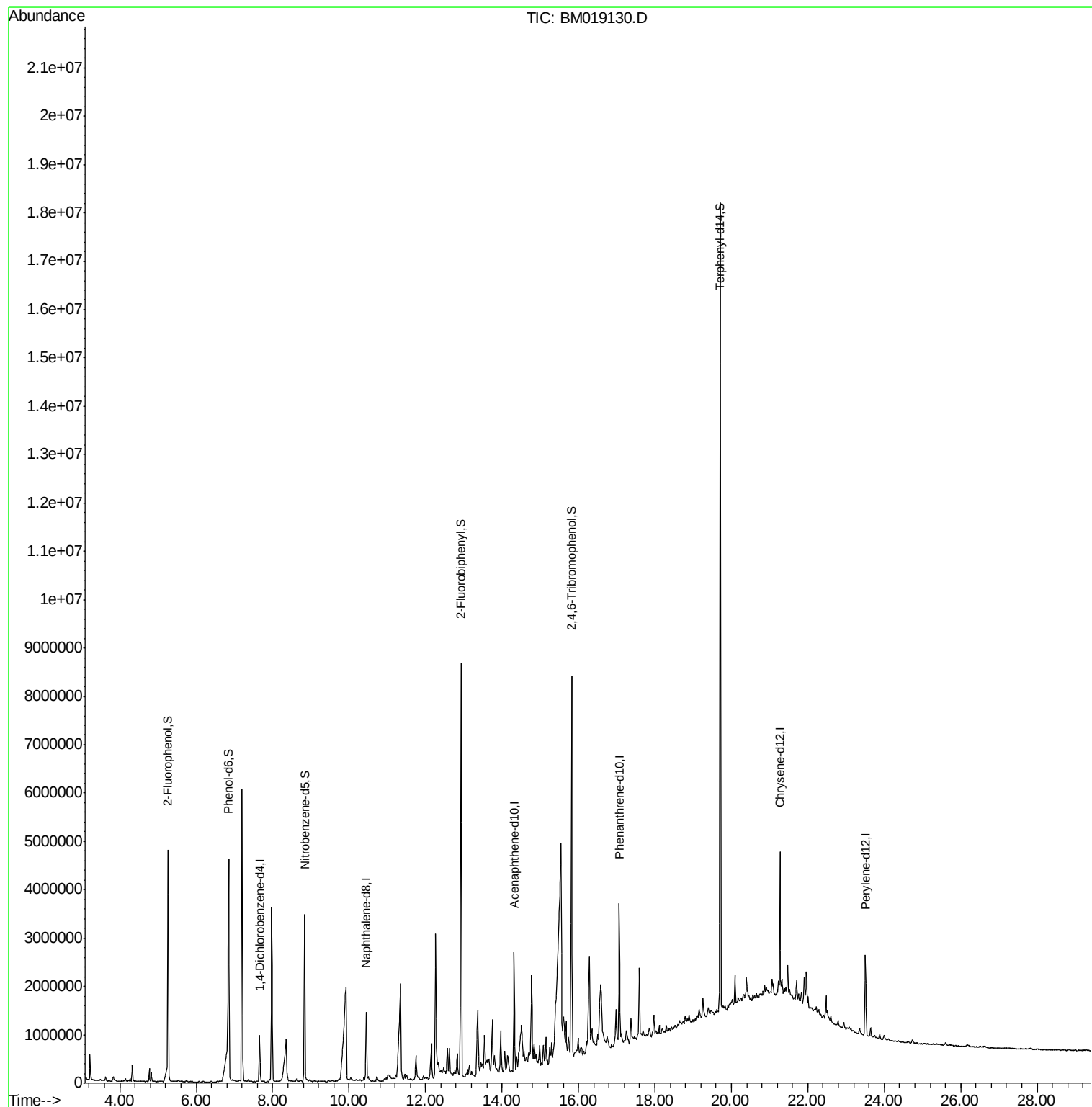
Target Compounds Qvalue

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

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Response via : Initial Calibration



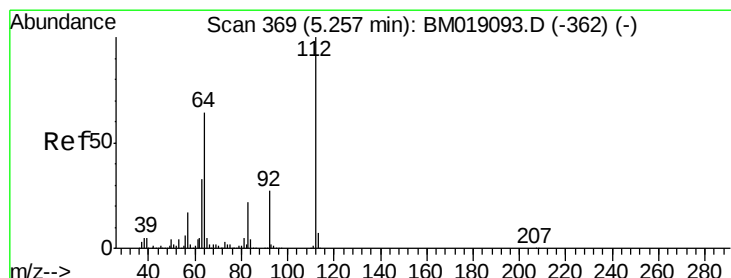
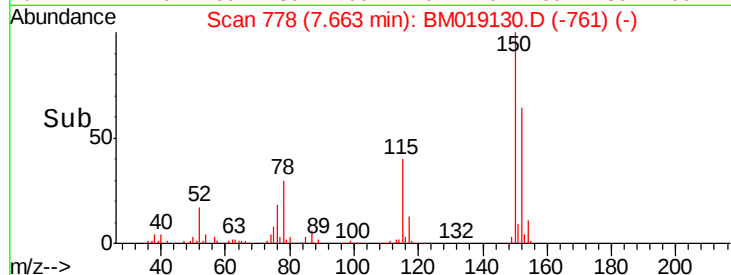
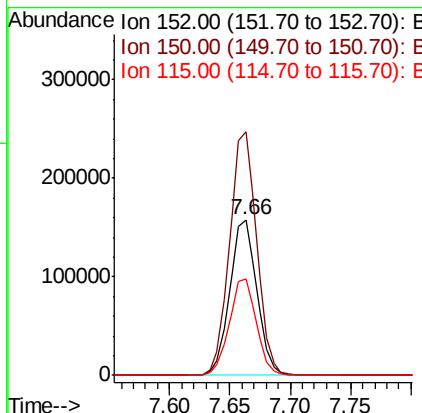
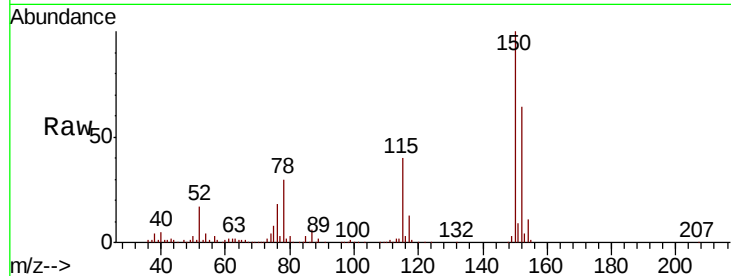


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.66 min Scan# 778  
Delta R.T. -0.00 min  
Lab File: BM019130.D  
Acq: 13 Mar 2019 03:39

Instrument :  
BNA\_M  
ClientSampleId :  
H1308-PC

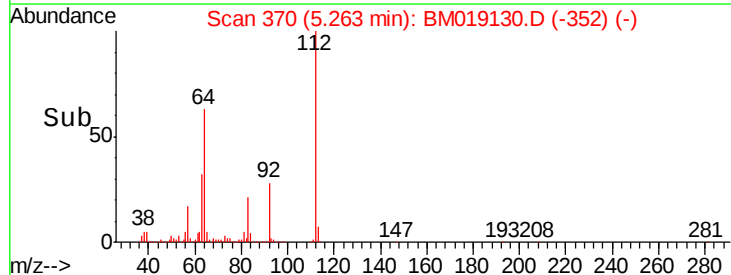
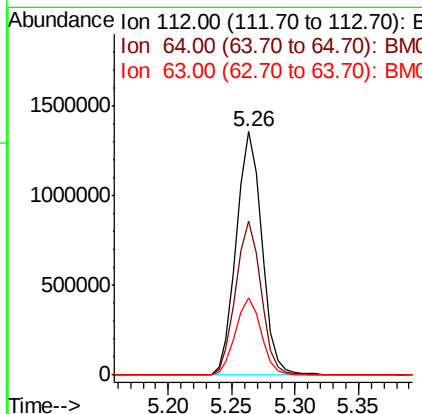
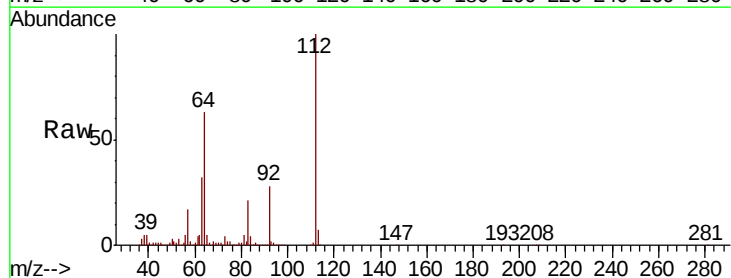
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.3 | 125.3 | 187.9 |
| 115     | 62.2  | 49.4  | 74.0  |

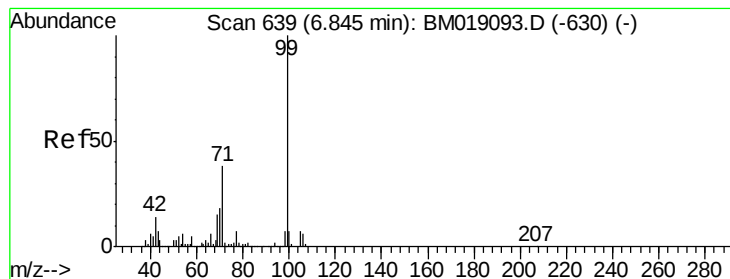


#5

2-Fluorophenol  
Concen: 124.938 ng  
RT: 5.26 min Scan# 370  
Delta R.T. 0.01 min  
Lab File: BM019130.D  
Acq: 13 Mar 2019 03:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 63.1  | 51.4  | 77.0  |
| 63      | 31.9  | 26.6  | 40.0  |





#7

Phenol-d6

Concen: 107.145 ng

RT: 6.85 min Scan# 639

Delta R.T. -0.00 min

Lab File: BM019130.D

Acq: 13 Mar 2019 03:39

Instrument :

BNA\_M

ClientSampleId :

H1308-PC

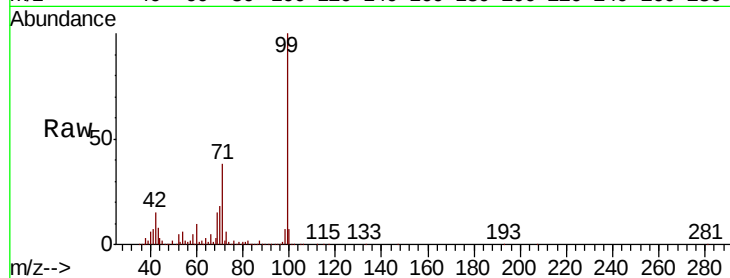
Tot Ion: 99 Resp: 2385656

Ion Ratio Lower Upper

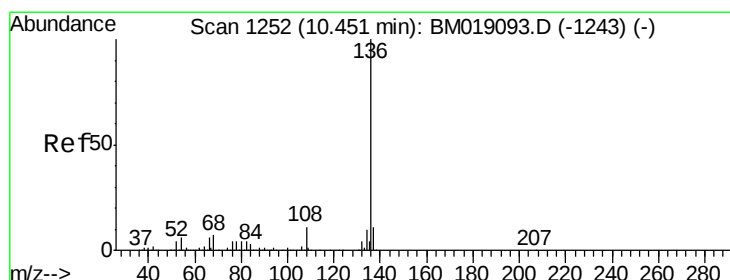
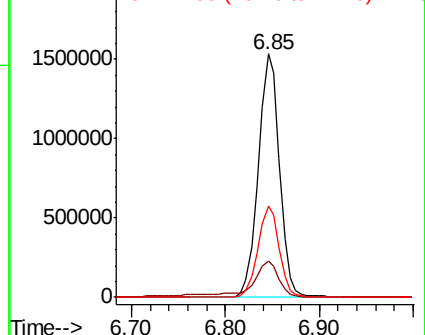
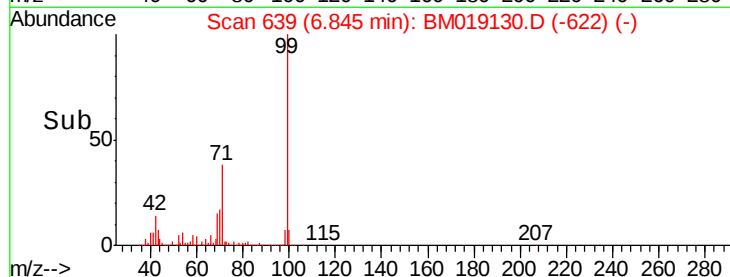
99 100

42 14.9 10.9 16.3

71 37.7 30.3 45.5



Abundance Ion 99.00 (98.70 to 99.70): BM019130.D (-622) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.45 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BM019130.D

Acq: 13 Mar 2019 03:39

Tgt Ion: 136 Resp: 1128912

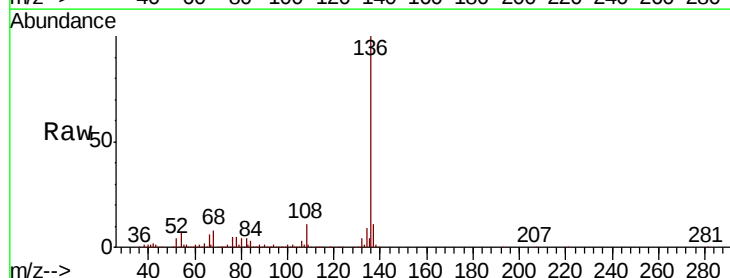
Ion Ratio Lower Upper

136 100

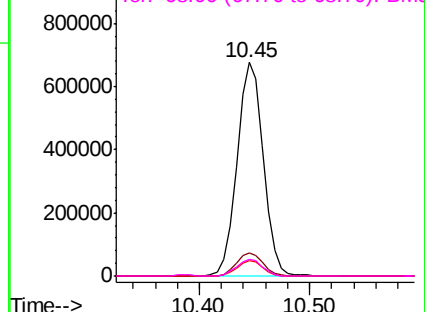
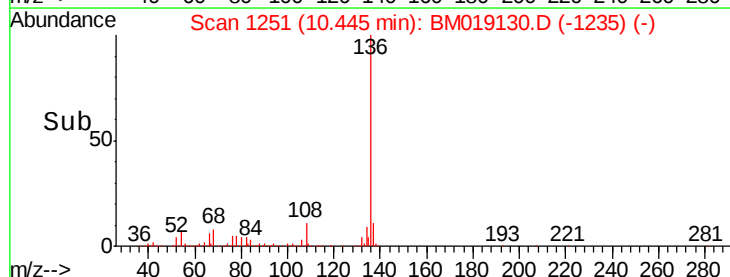
137 10.7 8.6 13.0

54 6.9 5.2 7.8

68 7.9 5.8 8.8



Abundance Ion 136.00 (135.70 to 136.70): BM019130.D (-1235) (-)



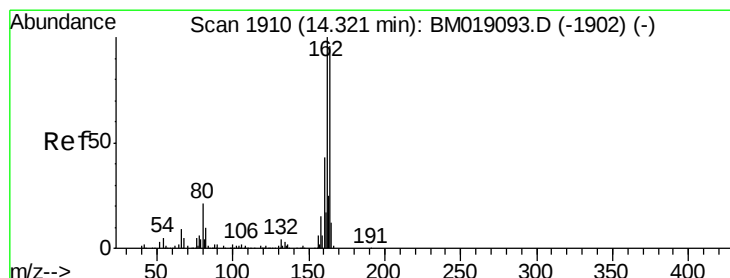
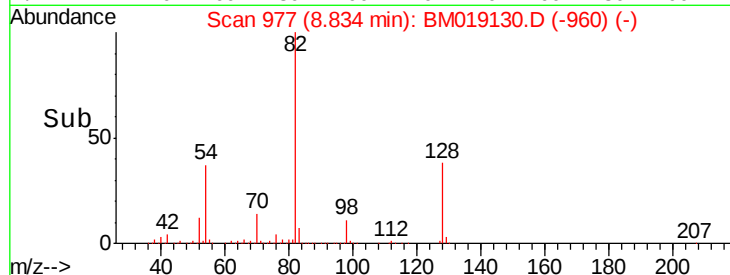
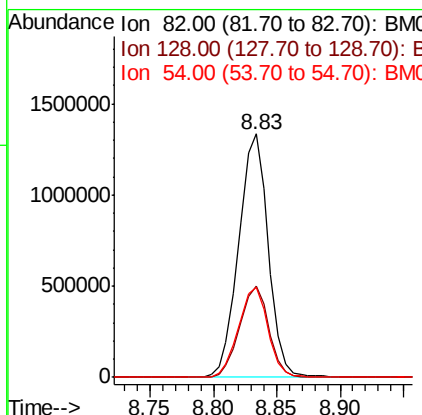
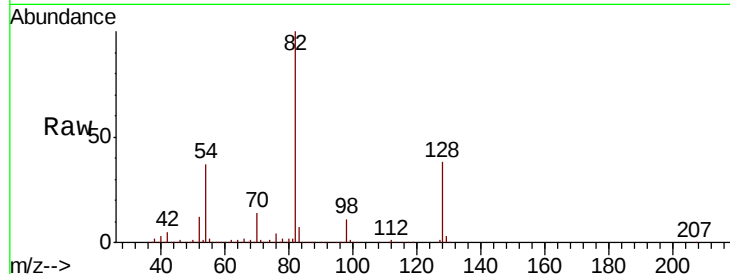


#23  
Nitrobenzene-d5  
Concen: 90.381 ng  
RT: 8.83 min Scan# 977  
Delta R.T. -0.00 min  
Lab File: BM019130.D  
Acq: 13 Mar 2019 03:39

Instrument :  
BNA\_M  
ClientSampleId :  
H1308-PC

Tot Ion: 82 Resp: 2158502

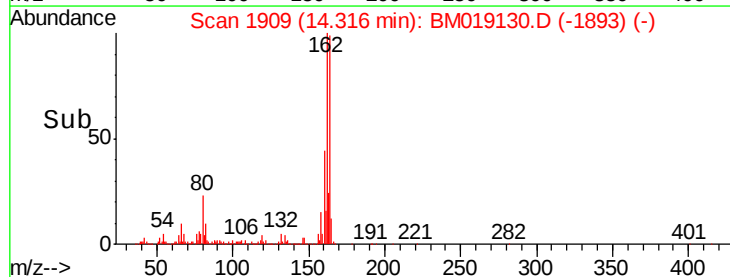
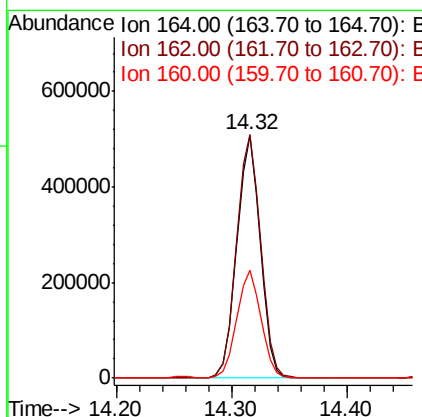
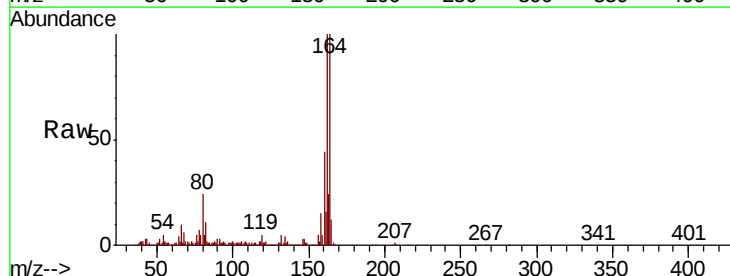
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 37.7  | 29.4  | 44.2  |
| 54  | 36.9  | 29.9  | 44.9  |

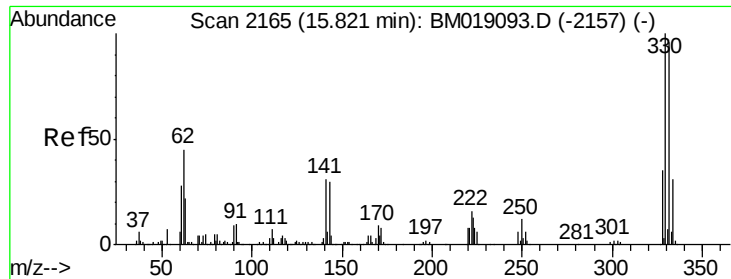


#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.32 min Scan# 1909  
Delta R.T. -0.01 min  
Lab File: BM019130.D  
Acq: 13 Mar 2019 03:39

Tgt Ion: 164 Resp: 711723

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 162 | 100.5 | 83.5  | 125.3 |
| 160 | 44.4  | 36.3  | 54.5  |

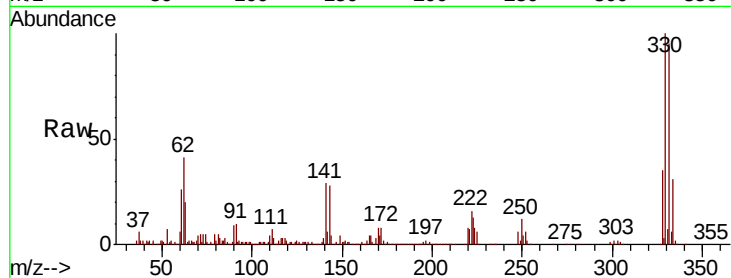




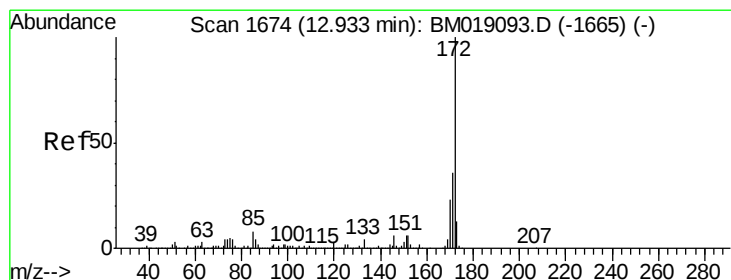
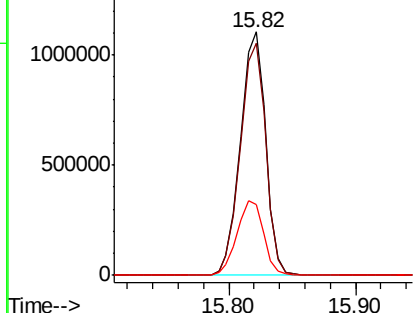
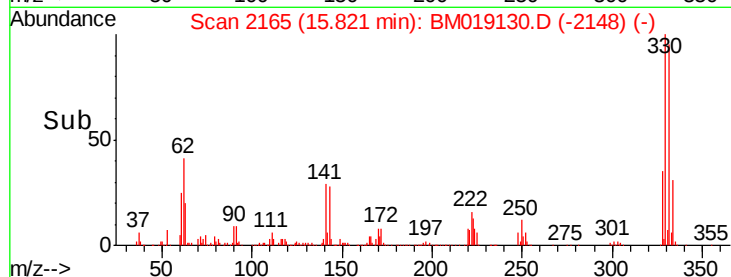
#42  
 2,4,6-Tribromophenol  
 Concen: 145.278 ng  
 RT: 15.82 min Scan# 2165  
 Delta R.T. -0.00 min  
 Lab File: BM019130.D  
 Acq: 13 Mar 2019 03:39

Instrument :  
 BNA\_M  
 ClientSampled :  
 H1308-PC

Tot Ion:330 Resp: 1526628  
 Ion Ratio Lower Upper  
 330 100  
 332 96.2 76.8 115.2  
 141 31.8 27.0 40.4

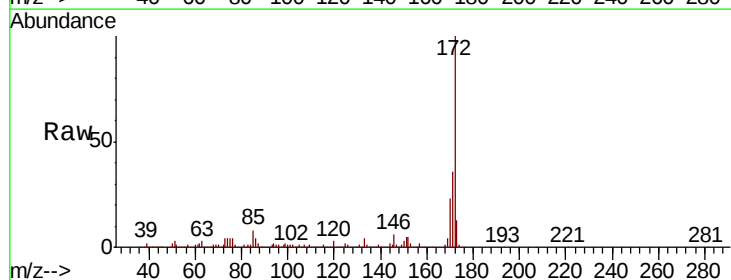


Abundance Ion 329.80 (329.50 to 330.50): E  
 1500000 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

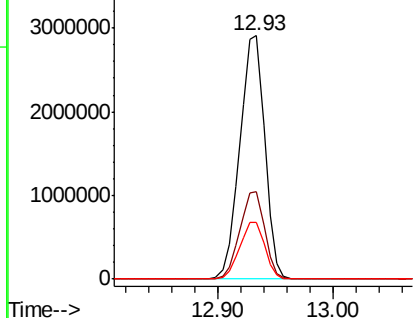
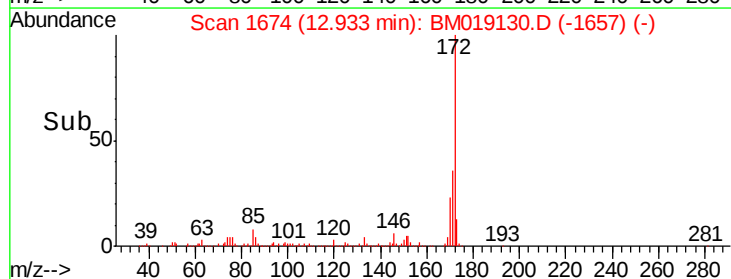


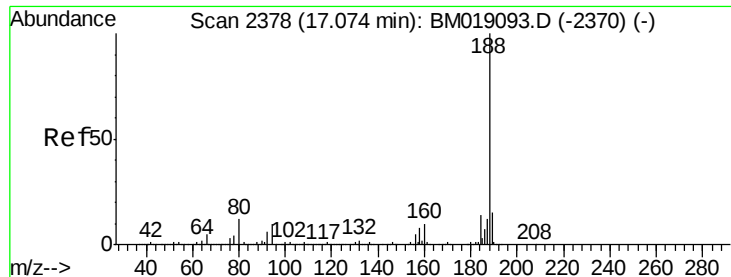
#45  
 2-Fluorobiphenyl  
 Concen: 79.898 ng  
 RT: 12.93 min Scan# 1674  
 Delta R.T. -0.00 min  
 Lab File: BM019130.D  
 Acq: 13 Mar 2019 03:39

Tgt Ion:172 Resp: 4371683  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 28.6 42.8  
 170 23.3 18.6 28.0



Abundance Ion 172.00 (171.70 to 172.70): E  
 4000000 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

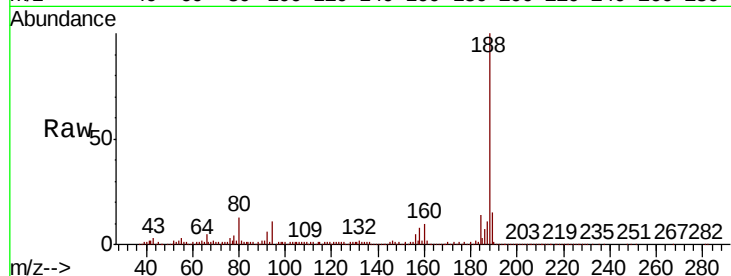




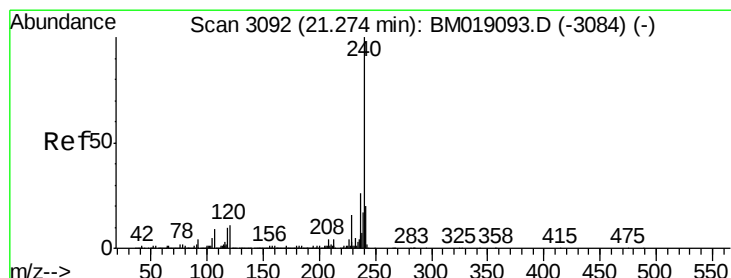
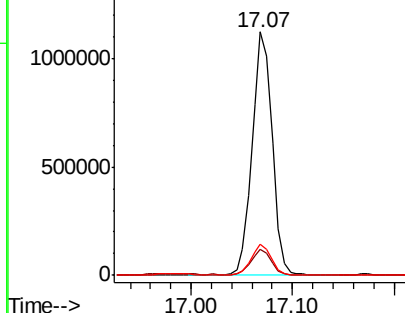
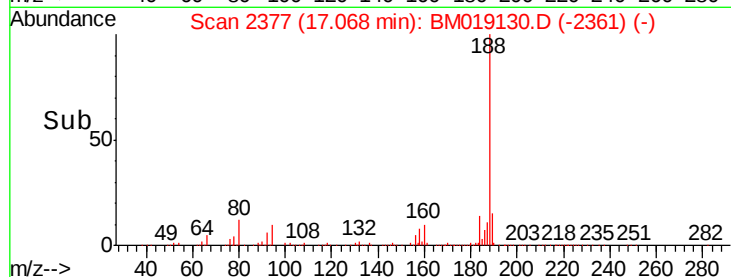
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.07 min Scan# 2377  
Delta R.T. -0.01 min  
Lab File: BM019130.D  
Acq: 13 Mar 2019 03:39

Instrument :  
BNA\_M  
ClientSampleId :  
H1308-PC

Tot Ion:188 Resp: 1538110  
Ion Ratio Lower Upper  
188 100  
94 10.7 8.1 12.1  
80 12.9 9.7 14.5

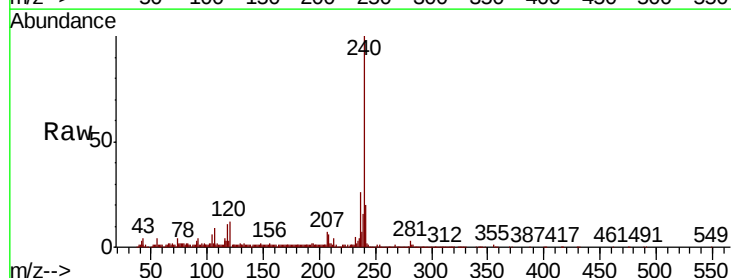


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM  
Ion 80.00 (79.70 to 80.70): BM

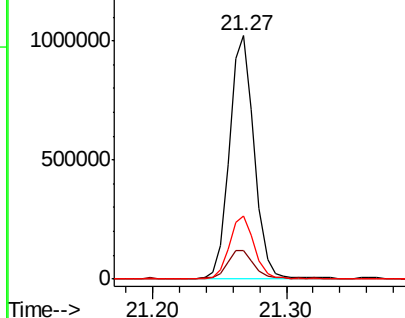
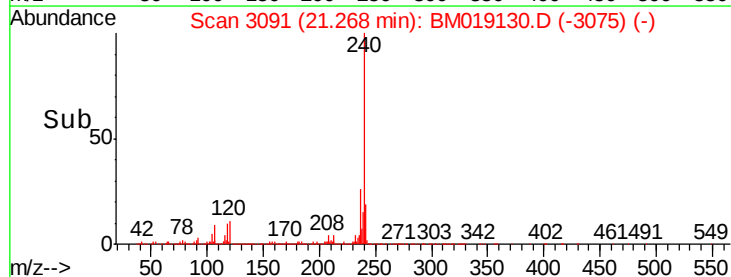


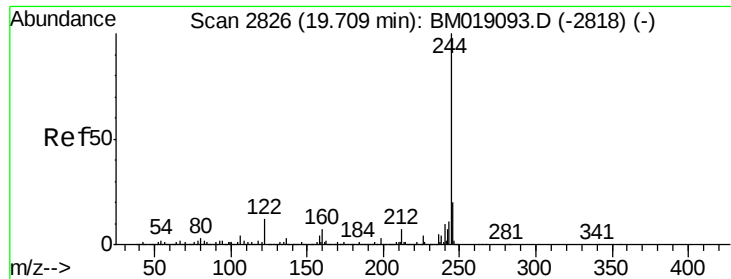
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.27 min Scan# 3091  
Delta R.T. -0.01 min  
Lab File: BM019130.D  
Acq: 13 Mar 2019 03:39

Tgt Ion:240 Resp: 1310545  
Ion Ratio Lower Upper  
240 100  
120 11.6 8.9 13.3  
236 25.7 21.0 31.4



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: 107.732 ng

RT: 19.71 min Scan# 2826

Delta R.T. -0.00 min

Lab File: BM019130.D

Acq: 13 Mar 2019 03:39

Instrument :

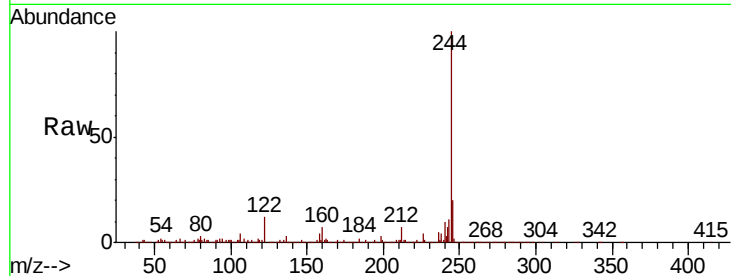
BNA\_M

ClientSampleId :

H1308-PC

Tot Ion:244 Resp: 7111939

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 7.0   | 5.4   | 8.2   |
| 122 | 11.5  | 9.4   | 14.2  |

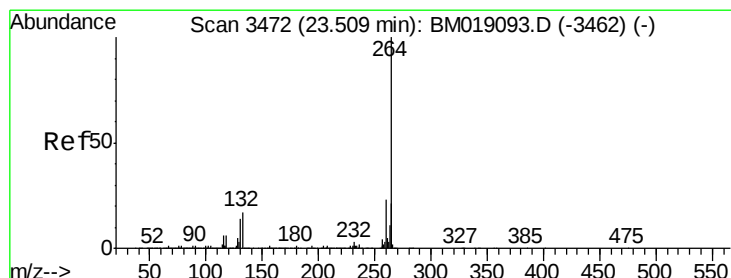
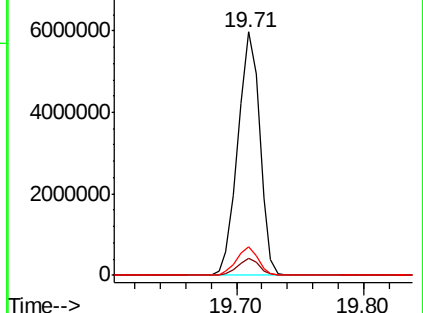
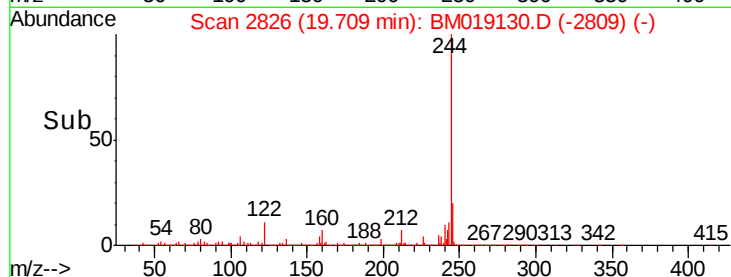


Abundance

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: 23.51 min Scan# 3472

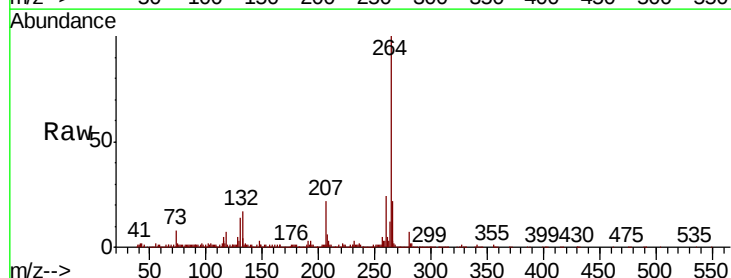
Delta R.T. -0.00 min

Lab File: BM019130.D

Acq: 13 Mar 2019 03:39

Tgt Ion:264 Resp: 1122314

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.0  | 18.6  | 28.0  |
| 265 | 22.1  | 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

