

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030419\  
 Data File : BM019029.D  
 Acq On : 05 Mar 2019 03:29  
 Operator : JU/SJ  
 Sample : K1688-08  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JC-03-030119-D

Quant Time: Mar 05 04:55:01 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 05 03:36:13 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.68  | 152  | 213218   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.46 | 136  | 834411   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.33 | 164  | 488114   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.09 | 188  | 1091765  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.28 | 240  | 885750   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.53 | 264  | 891123   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.28  | 112  | 1959225  | 150.56 | ng    | 0.00     |
| 7) Phenol-d6                | 6.86  | 99   | 2518460  | 137.38 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.85  | 82   | 1887434  | 104.59 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.83 | 330  | 1153444  | 163.93 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.95 | 172  | 3714026  | 101.01 | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.72 | 244  | 5684830  | 132.40 | ng    | 0.00     |

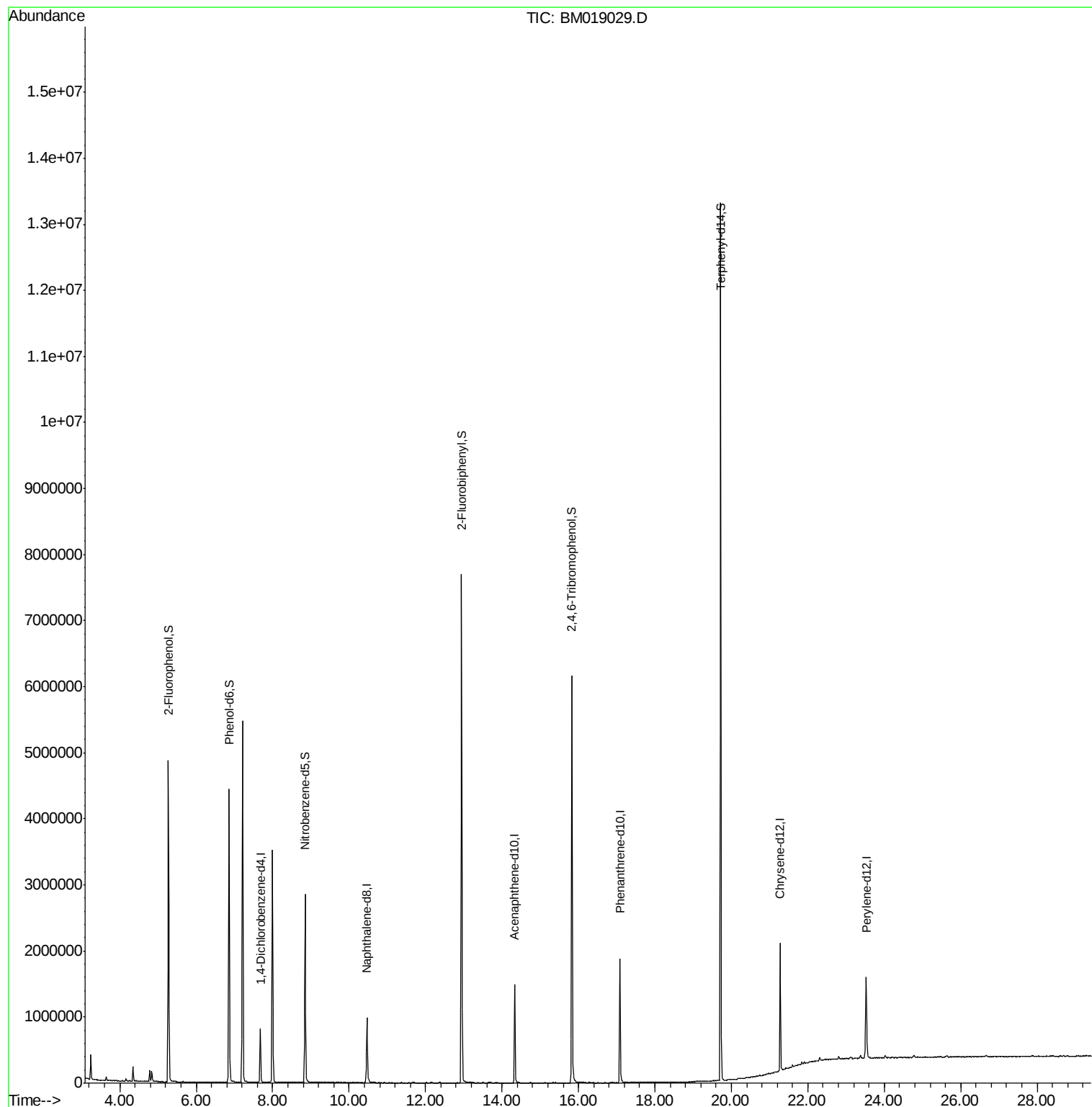
Target Compounds Qvalue

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

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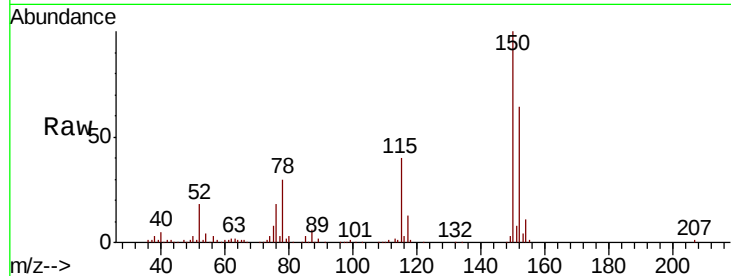


#1

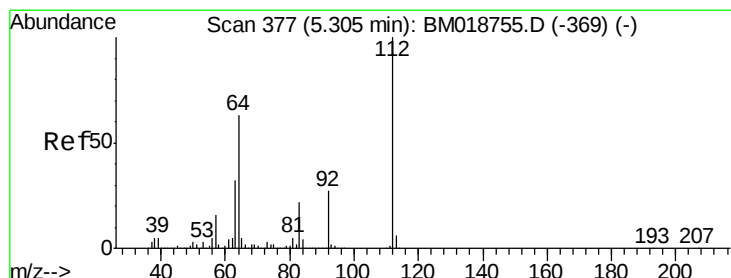
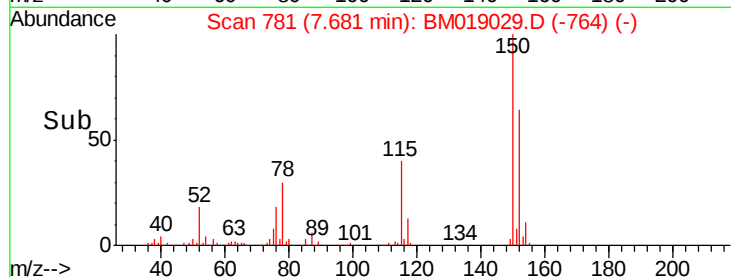
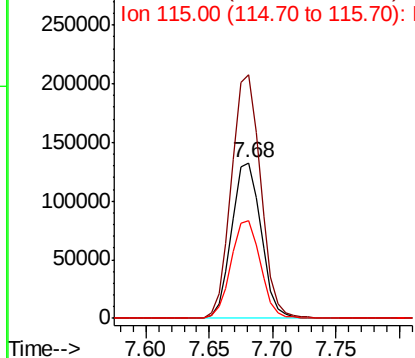
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.68 min Scan# 781  
Delta R.T. 0.00 min  
Lab File: BM019029.D  
Acq: 05 Mar 2019 03:29

Instrument :  
BNA\_M  
ClientSampleId :  
JC-03-030119-D

Tot Ion:152 Resp: 213218  
Ion Ratio Lower Upper  
152 100  
150 156.5 127.3 190.9  
115 62.4 50.8 76.2



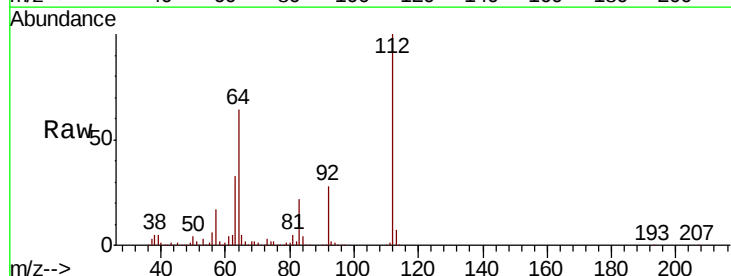
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



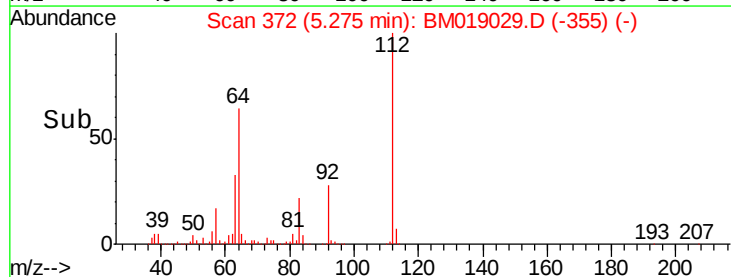
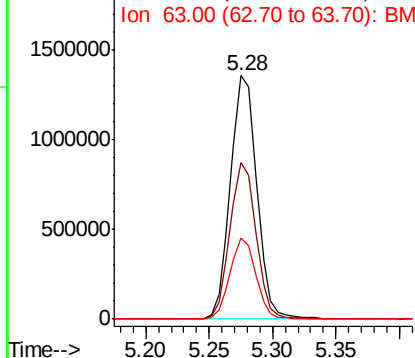
#5

2-Fluorophenol  
Concen: 150.557 ng  
RT: 5.28 min Scan# 372  
Delta R.T. 0.00 min  
Lab File: BM019029.D  
Acq: 05 Mar 2019 03:29

Tgt Ion:112 Resp: 1959225  
Ion Ratio Lower Upper  
112 100  
64 64.3 50.6 75.8  
63 33.1 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: 137.377 ng

RT: 6.86 min Scan# 641

Delta R.T. 0.00 min

Lab File: BM019029.D

Acq: 05 Mar 2019 03:29

Instrument :

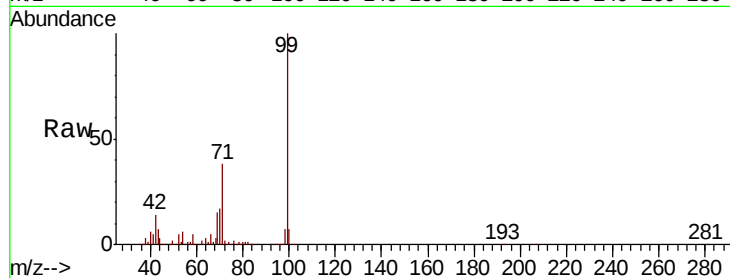
BNA\_M

ClientSampleId :

JC-03-030119-D

Tot Ion: 99 Resp: 2518460

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.3  | 11.0  | 16.6  |
| 71  | 37.9  | 31.3  | 46.9  |

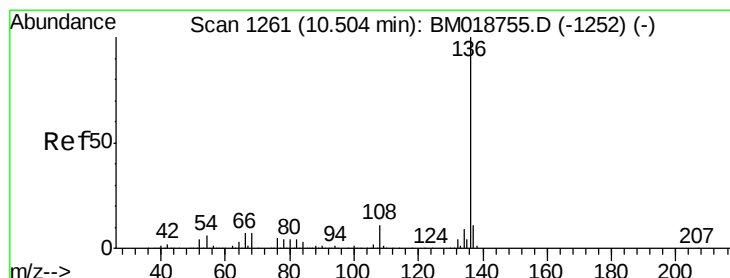
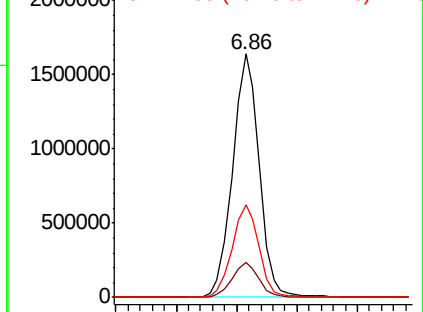
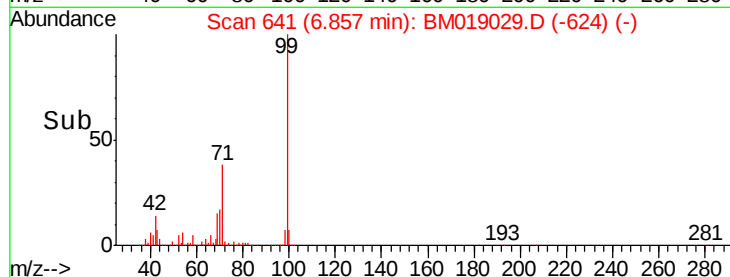


Abundance

Ion 99.00 (98.70 to 99.70): BM018755.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM018755.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM018755.D (-637) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.46 min Scan# 1254

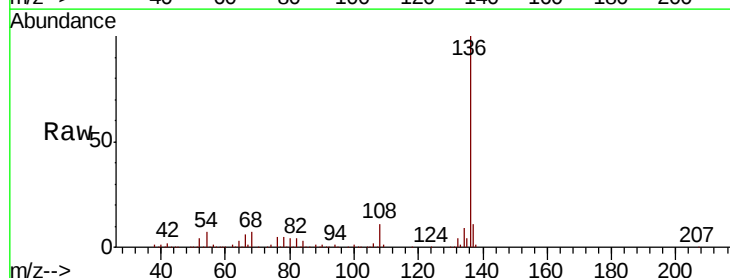
Delta R.T. -0.01 min

Lab File: BM019029.D

Acq: 05 Mar 2019 03:29

Tgt Ion: 136 Resp: 834411

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.3  | 8.8   | 13.2  |
| 54  | 6.7   | 5.0   | 7.6   |
| 68  | 7.4   | 5.5   | 8.3   |



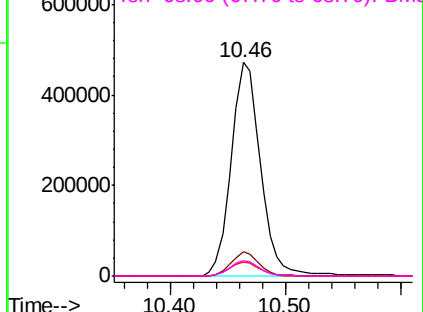
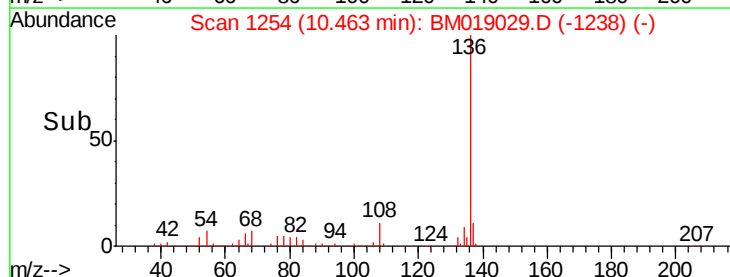
Abundance

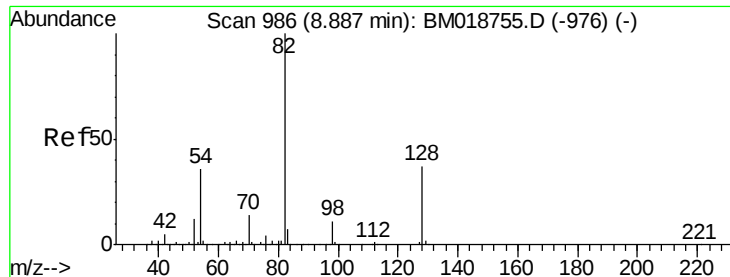
Ion 136.00 (135.70 to 136.70): BM018755.D (-1252) (-)

Ion 137.00 (136.70 to 137.70): BM018755.D (-1252) (-)

Ion 54.00 (53.70 to 54.70): BM018755.D (-1252) (-)

Ion 68.00 (67.70 to 68.70): BM018755.D (-1252) (-)

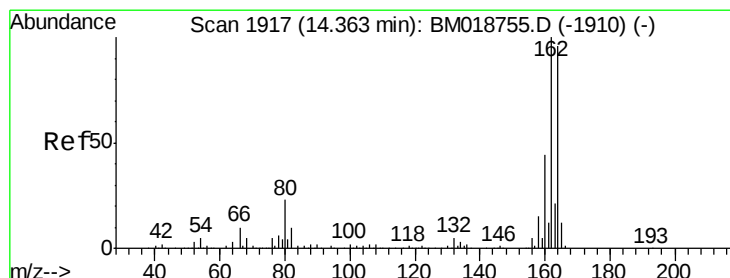
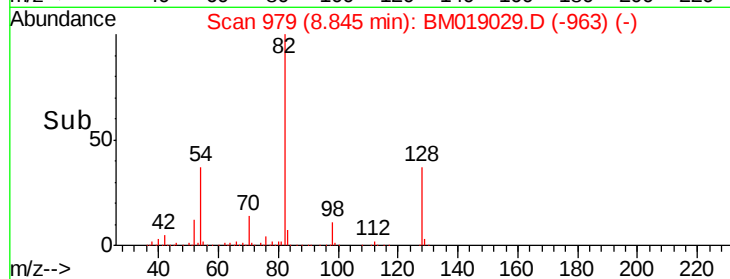
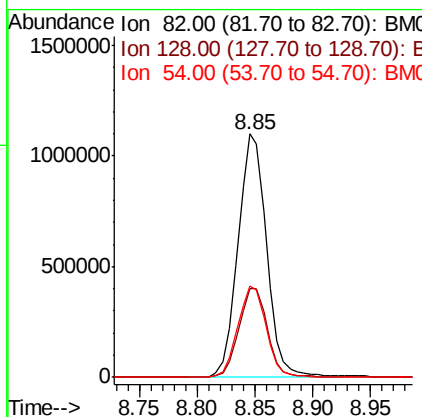
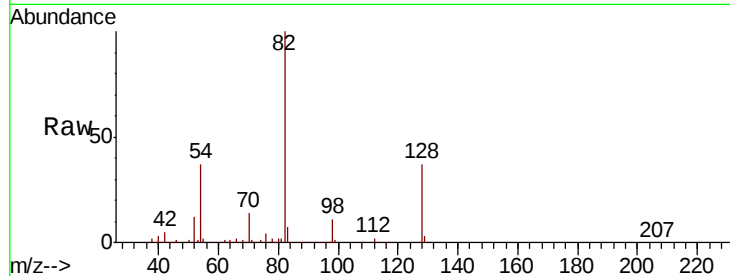




#23  
 Nitrobenzene-d5  
 Concen: 104.592 ng  
 RT: 8.85 min Scan# 979  
 Delta R.T. -0.01 min  
 Lab File: BM019029.D  
 Acq: 05 Mar 2019 03:29

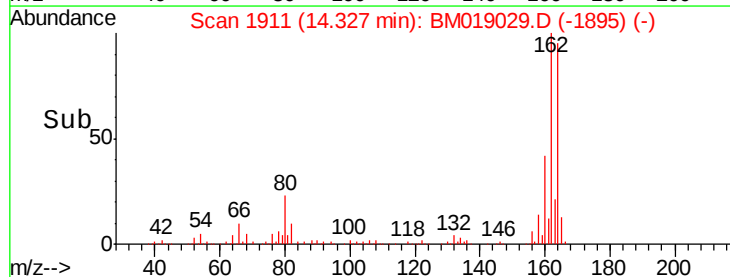
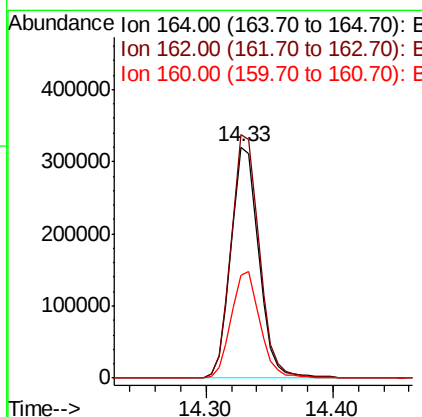
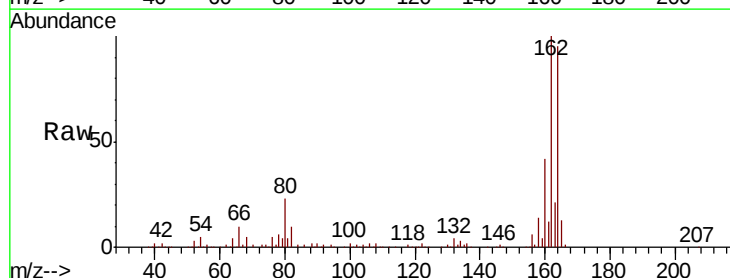
Instrument :  
 BNA\_M  
 ClientSampleId :  
 JC-03-030119-D

Tot Ion: 82 Resp: 1887434  
 Ion Ratio Lower Upper  
 82 100  
 128 36.7 29.9 44.9  
 54 37.3 29.1 43.7



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.33 min Scan# 1911  
 Delta R.T. -0.01 min  
 Lab File: BM019029.D  
 Acq: 05 Mar 2019 03:29

Tgt Ion:164 Resp: 488114  
 Ion Ratio Lower Upper  
 164 100  
 162 105.4 83.4 125.0  
 160 44.6 36.6 55.0

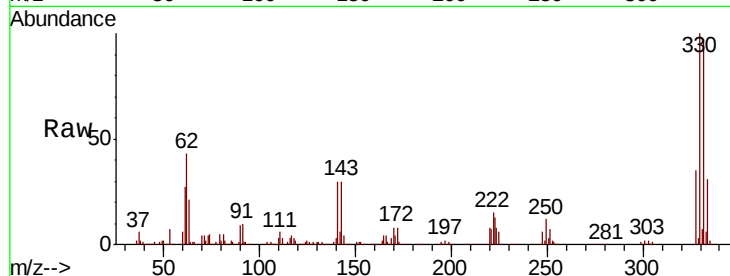




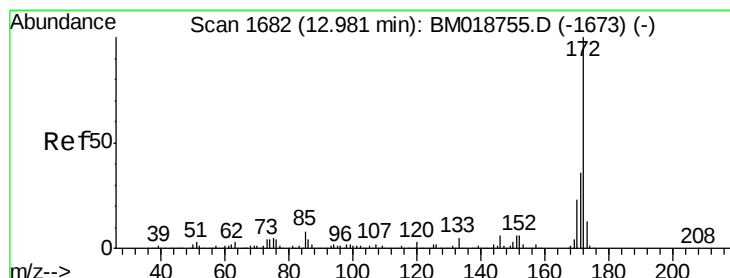
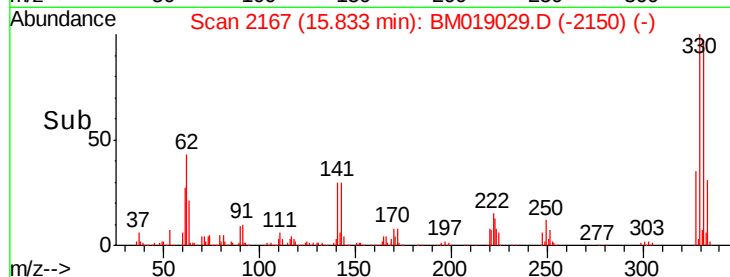
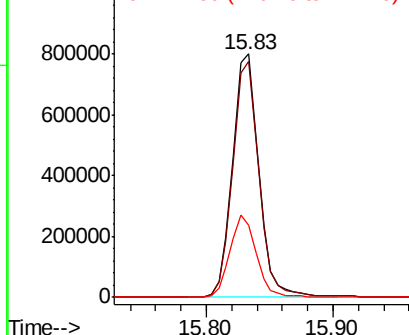
#42  
 2,4,6-Tribromophenol  
 Concen: 163.934 ng  
 RT: 15.83 min Scan# 2167  
 Delta R.T. 0.00 min  
 Lab File: BM019029.D  
 Acq: 05 Mar 2019 03:29

Instrument :  
 BNA\_M  
 ClientSampleId :  
 JC-03-030119-D

Tot Ion:330 Resp: 1153444  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 76.9 115.3  
 141 34.1 28.7 43.1

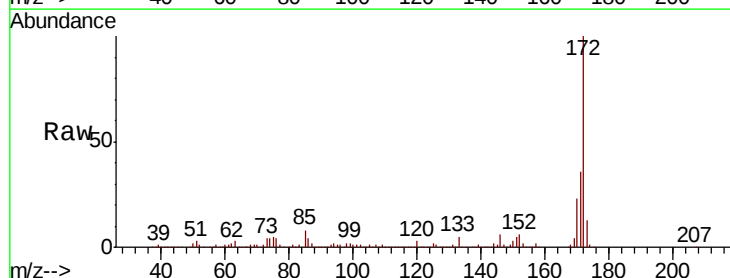


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

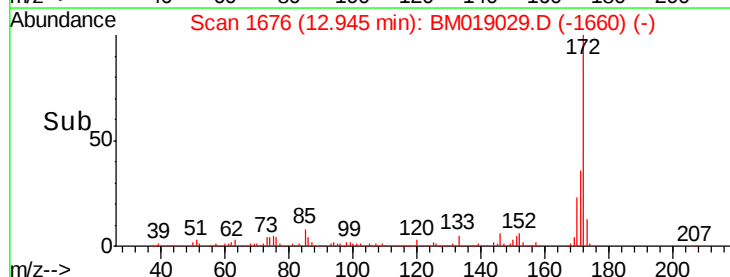
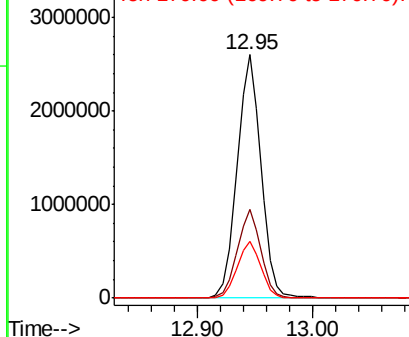


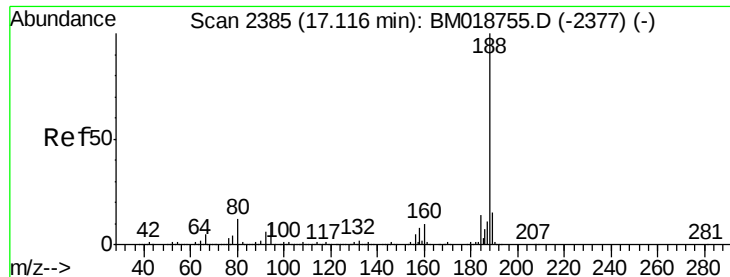
#45  
 2-Fluorobiphenyl  
 Concen: 101.007 ng  
 RT: 12.95 min Scan# 1676  
 Delta R.T. -0.01 min  
 Lab File: BM019029.D  
 Acq: 05 Mar 2019 03:29

Tgt Ion:172 Resp: 3714026  
 Ion Ratio Lower Upper  
 172 100  
 171 36.4 29.0 43.6  
 170 23.4 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: 17.09 min Scan# 2380

Delta R.T. 0.00 min

Lab File: BM019029.D

Acq: 05 Mar 2019 03:29

Instrument :

BNA\_M

ClientSampleId :

JC-03-030119-D

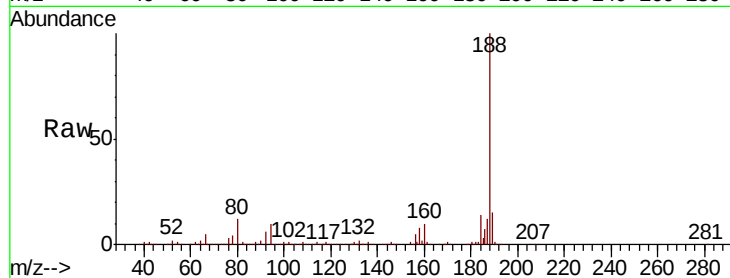
Tot Ion:188 Resp: 1091765

Ion Ratio Lower Upper

188 100

94 10.1 8.2 12.2

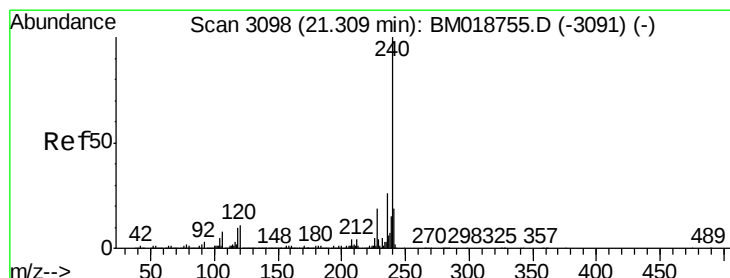
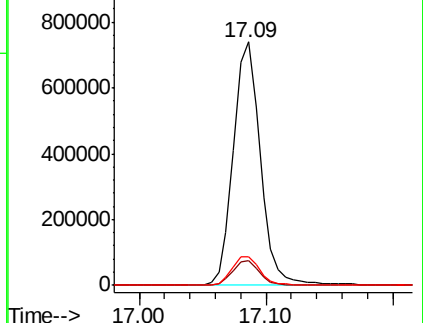
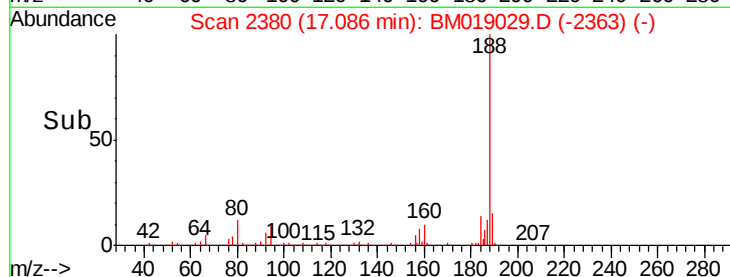
80 11.9 9.7 14.5



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: 21.28 min Scan# 3093

Delta R.T. -0.01 min

Lab File: BM019029.D

Acq: 05 Mar 2019 03:29

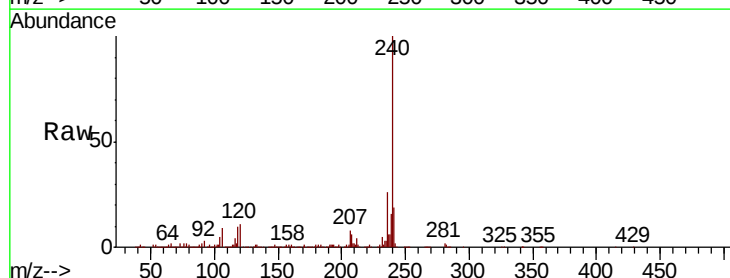
Tgt Ion:240 Resp: 885750

Ion Ratio Lower Upper

240 100

120 10.7 8.9 13.3

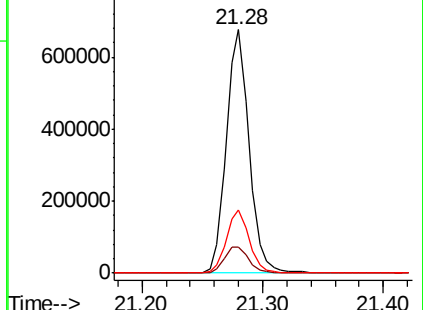
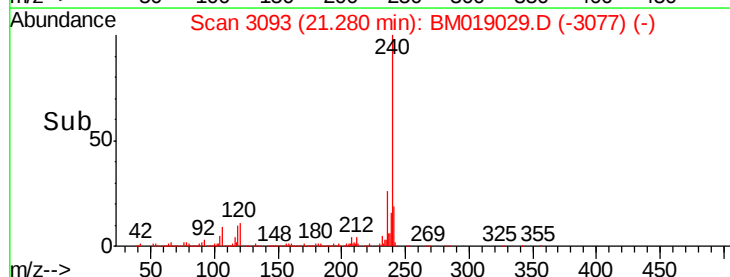
236 26.1 20.9 31.3

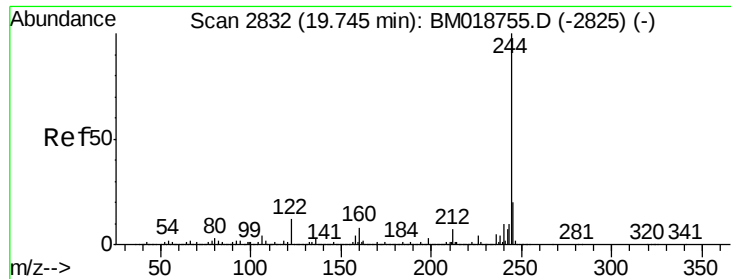


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 132.399 ng

RT: 19.72 min Scan# 2828

Delta R.T. -0.01 min

Lab File: BM019029.D

Acq: 05 Mar 2019 03:29

Instrument :

BNA\_M

ClientSampleId :

JC-03-030119-D

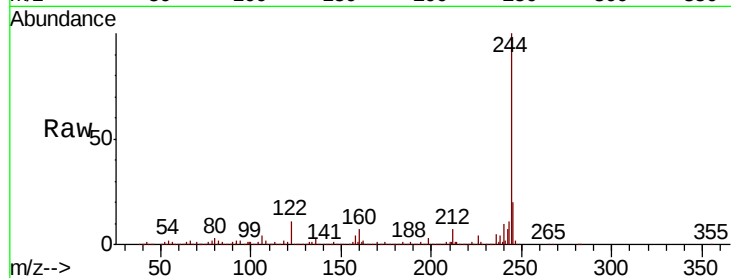
Tot Ion:244 Resp: 5684830

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

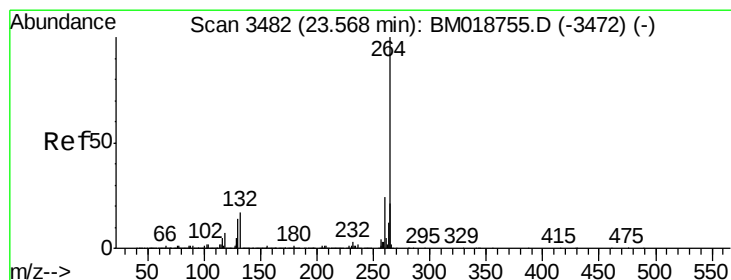
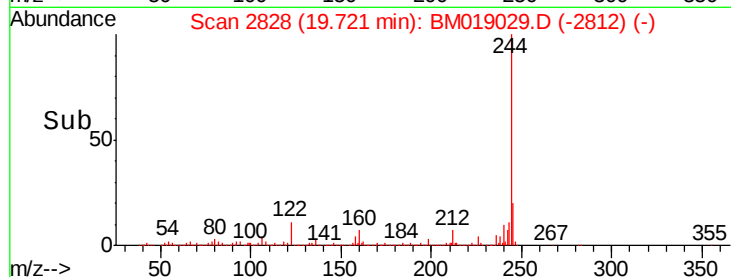
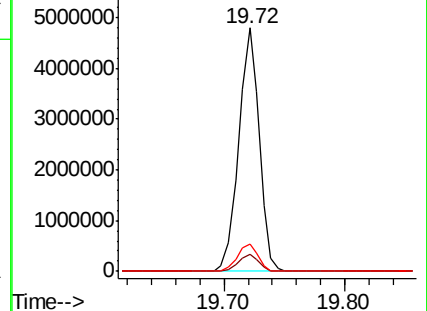
122 11.3 9.3 13.9



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: 23.53 min Scan# 3475

Delta R.T. -0.01 min

Lab File: BM019029.D

Acq: 05 Mar 2019 03:29

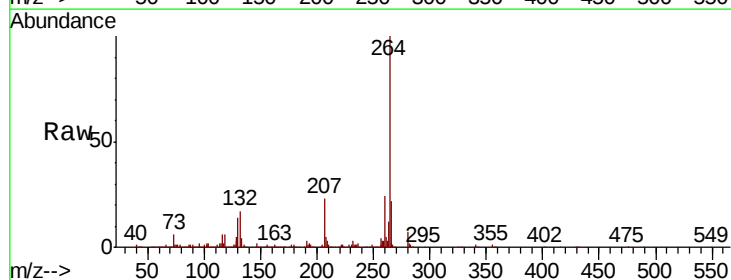
Tgt Ion:264 Resp: 891123

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.6 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

