

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030419\  
 Data File : BM019034.D  
 Acq On : 05 Mar 2019 06:29  
 Operator : JU/SJ  
 Sample : K1715-08  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-4-B-D

Quant Time: Mar 05 07:12:20 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  | 219808   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.46 | 136  | 875952   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.33 | 164  | 521001   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.09 | 188  | 1198682  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.28 | 240  | 1034301  | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.53 | 264  | 958135   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.28  | 112  | 1940211  | 144.63 | ng    | 0.00     |
| 7) Phenol-d6                | 6.86  | 99   | 2440537  | 129.14 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.85  | 82   | 1937176  | 102.26 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.83 | 330  | 1249376  | 166.36 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.95 | 172  | 3741531  | 95.33  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.72 | 244  | 6688401  | 133.40 | ng    | 0.00     |

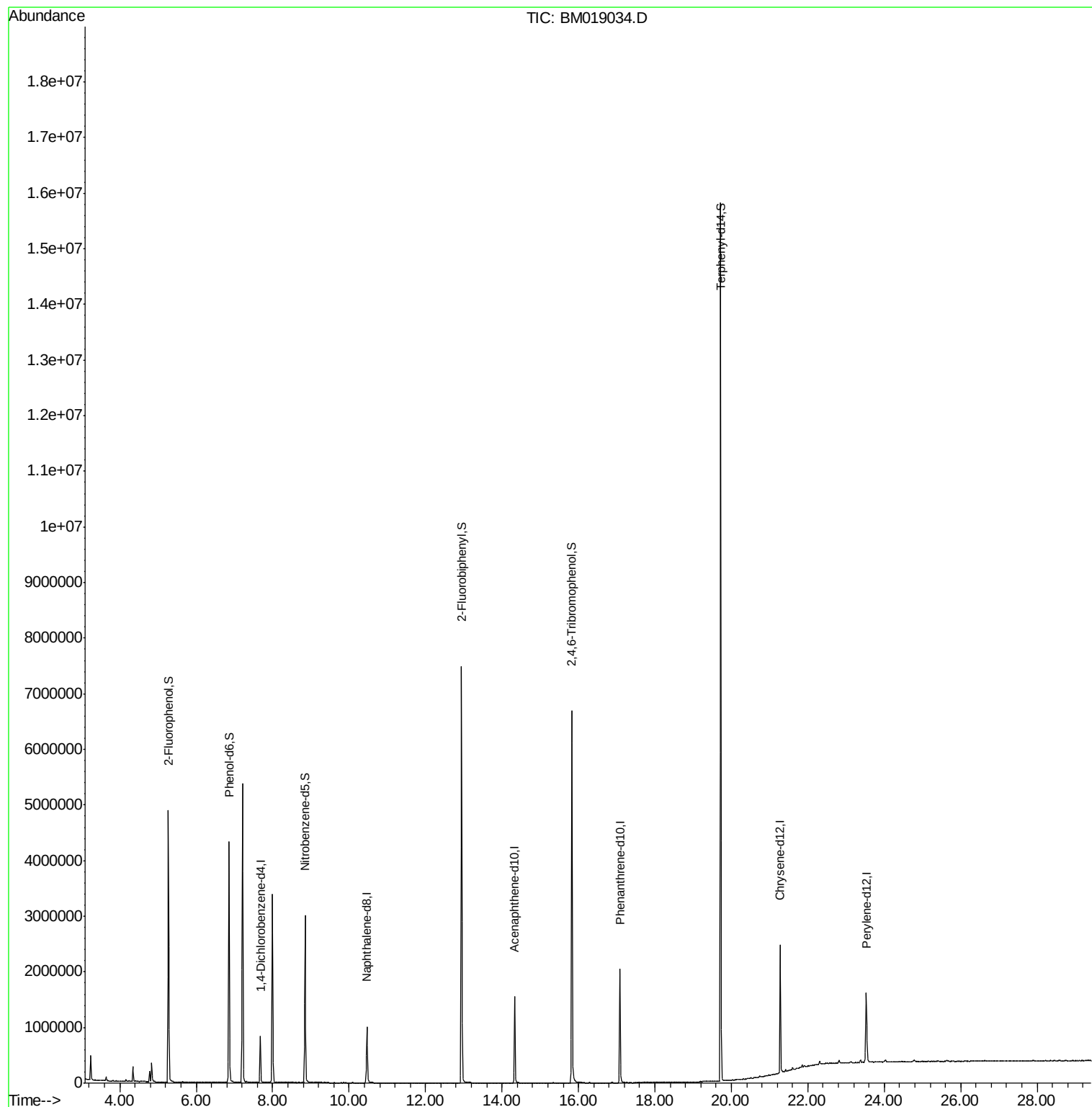
Target Compounds Qvalue

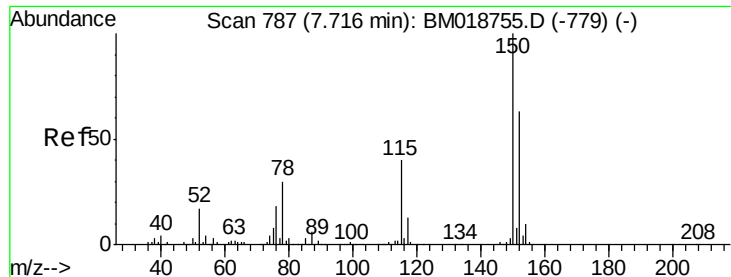
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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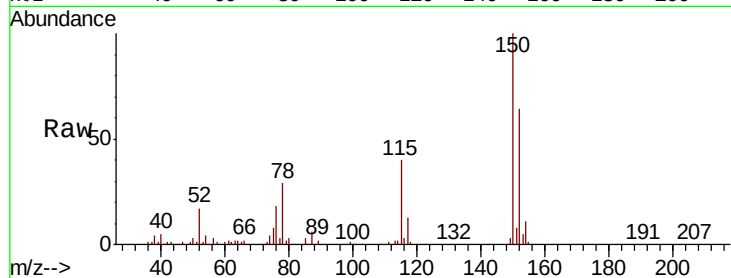


#1

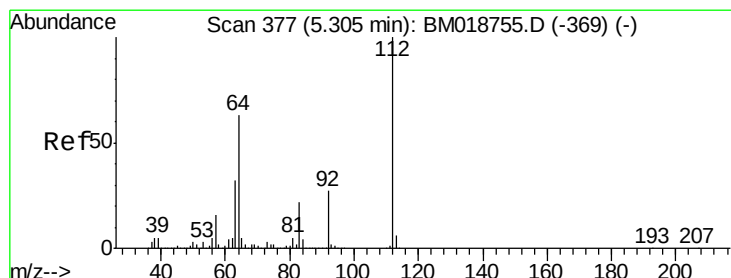
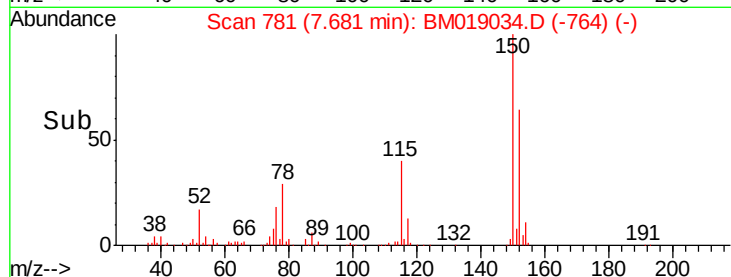
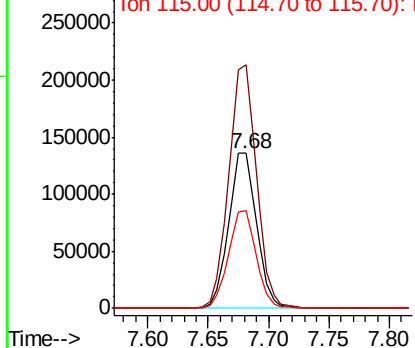
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.68 min Scan# 781  
Delta R.T. 0.00 min  
Lab File: BM019034.D  
Acq: 05 Mar 2019 06:29

Instrument :  
BNA\_M  
ClientSampled :  
TP-4-B-D

Tot Ion:152 Resp: 219808  
Ion Ratio Lower Upper  
152 100  
150 157.0 127.3 190.9  
115 63.0 50.8 76.2



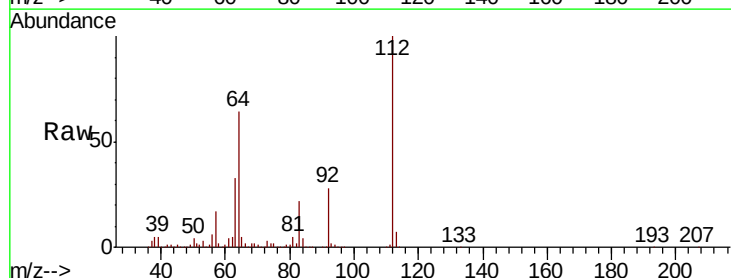
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



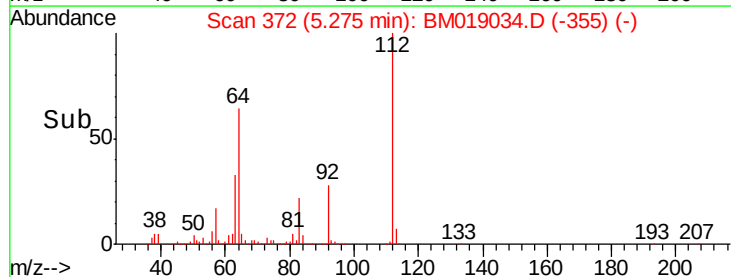
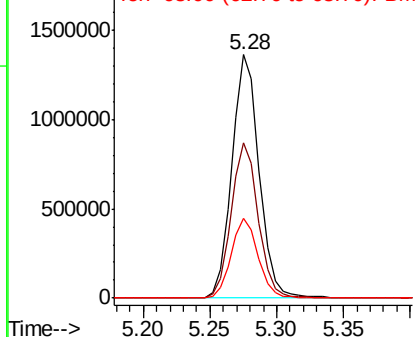
#5

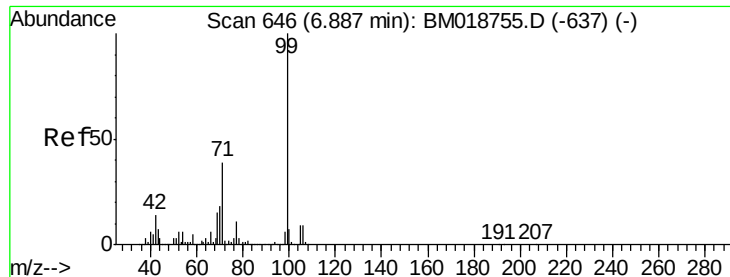
2-Fluorophenol  
Concen: 144.626 ng  
RT: 5.28 min Scan# 372  
Delta R.T. 0.00 min  
Lab File: BM019034.D  
Acq: 05 Mar 2019 06:29

Tgt Ion:112 Resp: 1940211  
Ion Ratio Lower Upper  
112 100  
64 63.8 50.6 75.8  
63 32.7 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: 129.136 ng

RT: 6.86 min Scan# 641

Delta R.T. 0.00 min

Lab File: BM019034.D

Acq: 05 Mar 2019 06:29

Instrument :

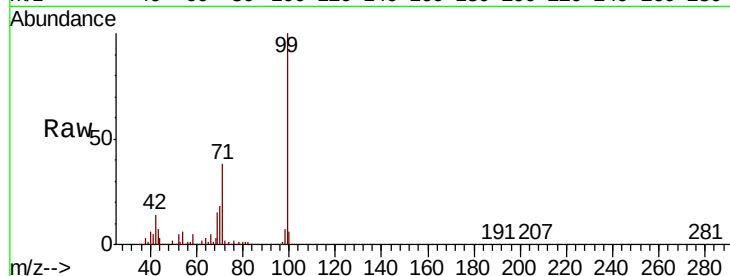
BNA\_M

ClientSampleId :

TP-4-B-D

Tot Ion: 99 Resp: 2440537

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.1  | 11.0  | 16.6  |
| 71  | 38.1  | 31.3  | 46.9  |

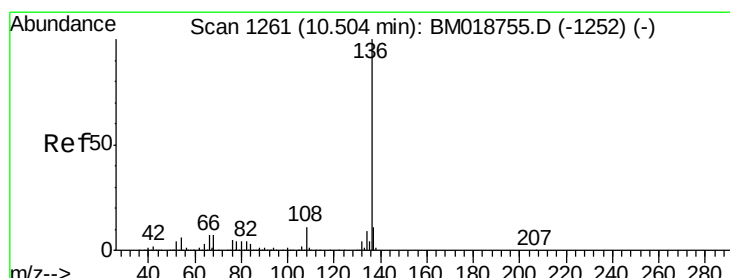
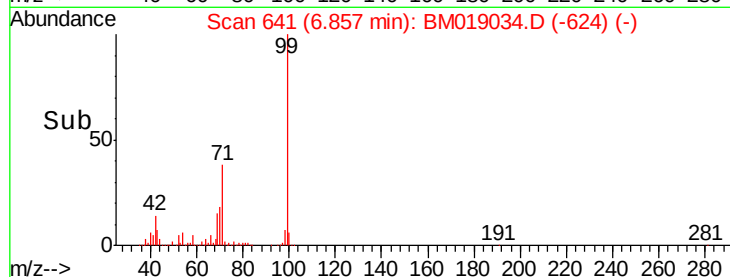
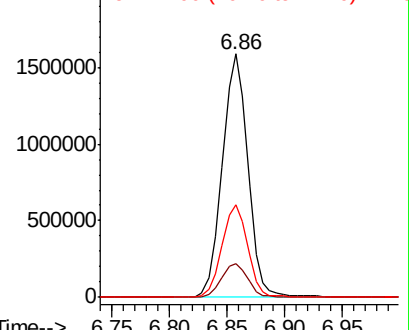


Abundance

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

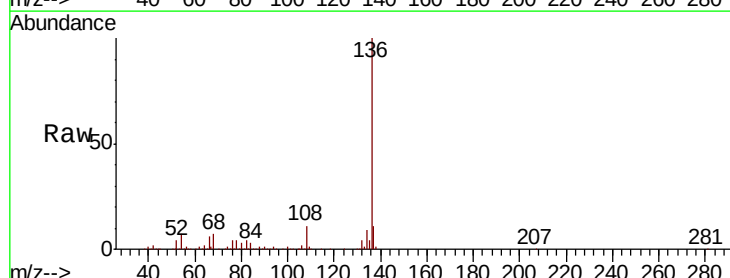
Delta R.T. -0.01 min

Lab File: BM019034.D

Acq: 05 Mar 2019 06:29

Tgt Ion: 136 Resp: 875952

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.9  | 8.8   | 13.2  |
| 54  | 6.9   | 5.0   | 7.6   |
| 68  | 7.3   | 5.5   | 8.3   |



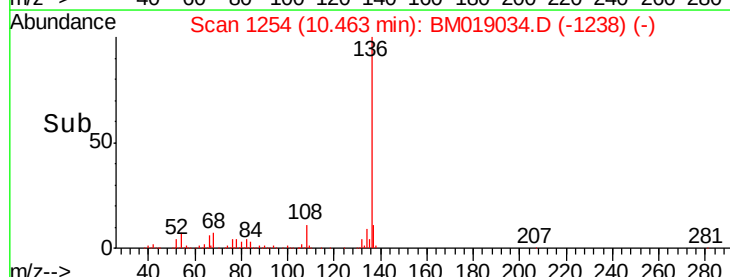
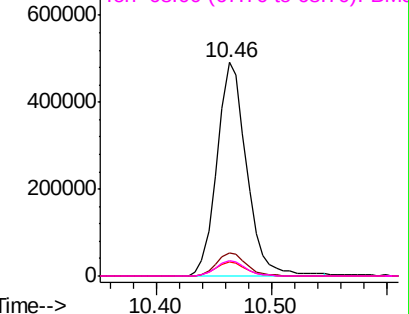
Abundance

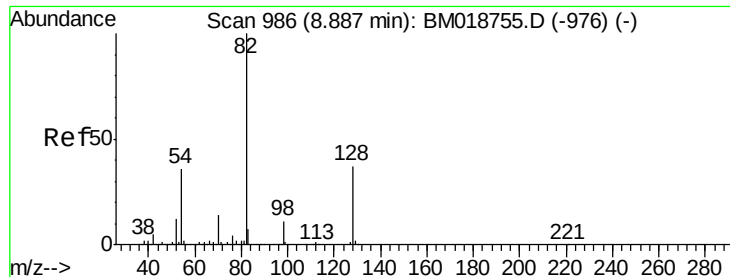
Ion 136.00 (135.70 to 136.70): BM018755.D (-1252) (-)

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) (-)

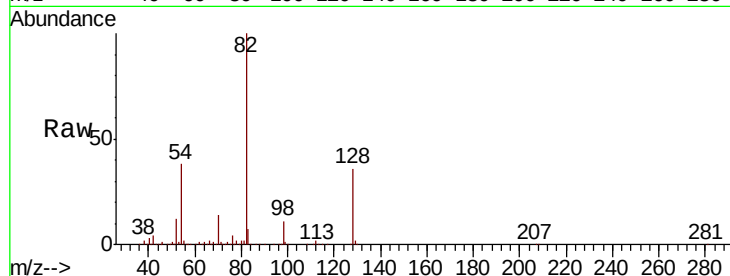




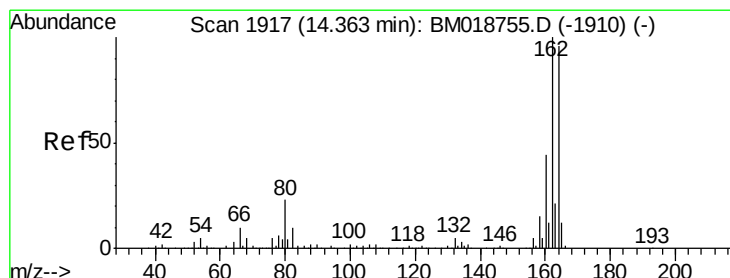
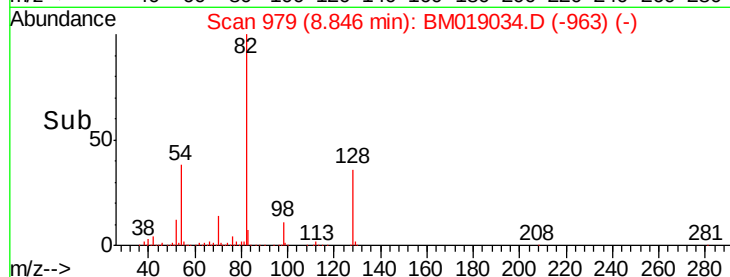
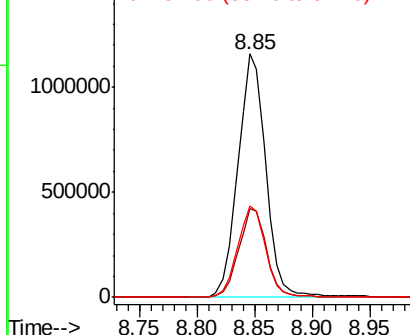
#23  
 Nitrobenzene-d5  
 Concen: 102.257 ng  
 RT: 8.85 min Scan# 979  
 Delta R.T. -0.01 min  
 Lab File: BM019034.D  
 Acq: 05 Mar 2019 06:29

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-4-B-D

Tot Ion: 82 Resp: 1937176  
 Ion Ratio Lower Upper  
 82 100  
 128 36.3 29.9 44.9  
 54 37.5 29.1 43.7

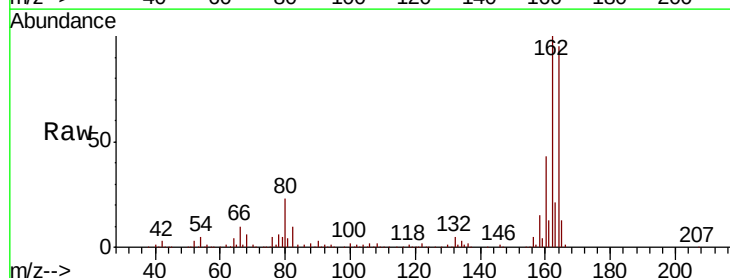


Abundance Ion 82.00 (81.70 to 82.70): BM018755.D (-976) (-)  
 Ion 128.00 (127.70 to 128.70): BM018755.D (-976) (-)  
 Ion 54.00 (53.70 to 54.70): BM018755.D (-976) (-)

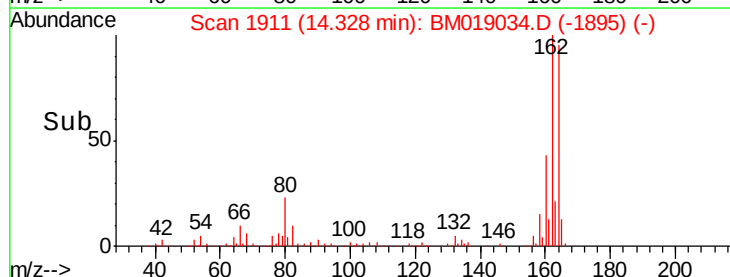
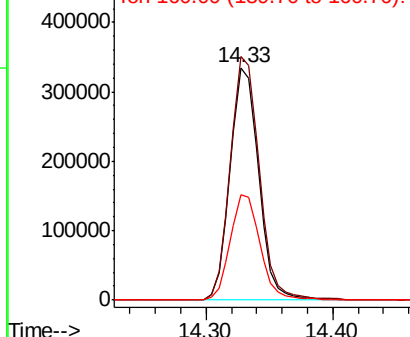


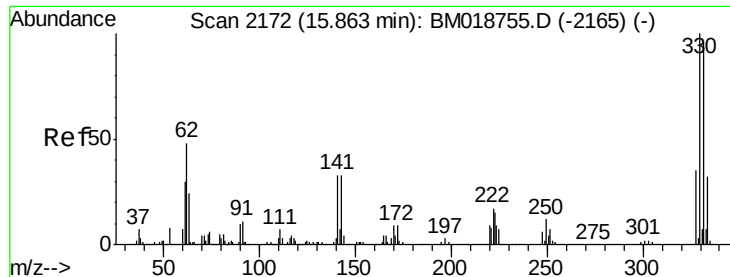
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.33 min Scan# 1911  
 Delta R.T. -0.01 min  
 Lab File: BM019034.D  
 Acq: 05 Mar 2019 06:29

Tgt Ion:164 Resp: 521001  
 Ion Ratio Lower Upper  
 164 100  
 162 104.8 83.4 125.0  
 160 45.3 36.6 55.0



Abundance Ion 164.00 (163.70 to 164.70): BM018755.D (-1910) (-)  
 Ion 162.00 (161.70 to 162.70): BM018755.D (-1910) (-)  
 Ion 160.00 (159.70 to 160.70): BM018755.D (-1910) (-)



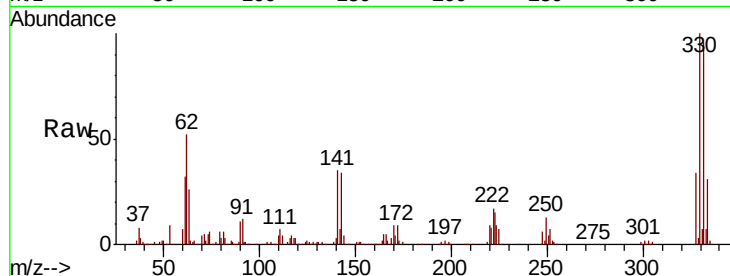


#42  
 2,4,6-Tribromophenol  
 Concen: 166.360 ng  
 RT: 15.83 min Scan# 2166  
 Delta R.T. -0.01 min  
 Lab File: BM019034.D  
 Acq: 05 Mar 2019 06:29

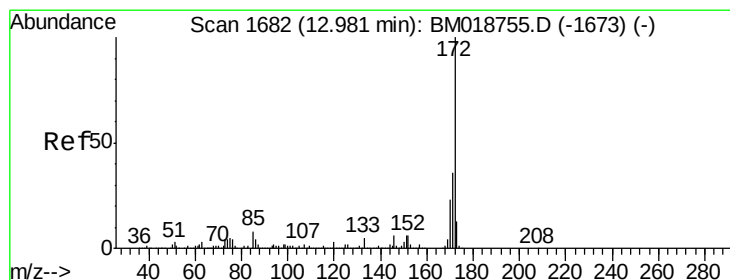
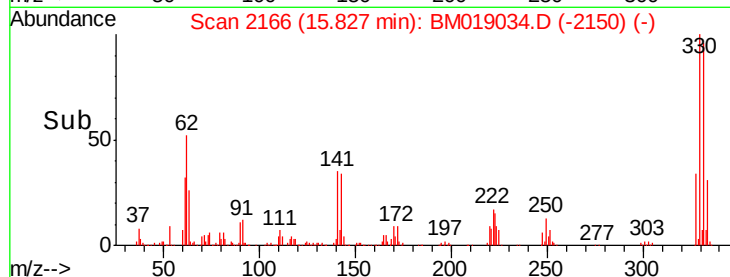
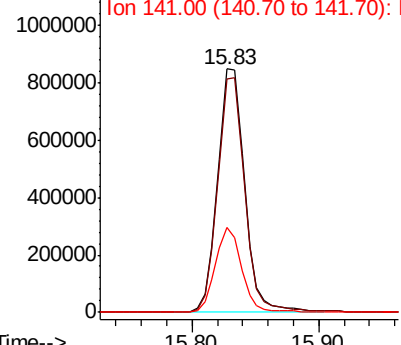
Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-4-B-D

Tot Ion:330 Resp: 1249376  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 330 | 100   |       |       |
| 332 | 96.0  | 76.9  | 115.3 |
| 141 | 34.1  | 28.7  | 43.1  |



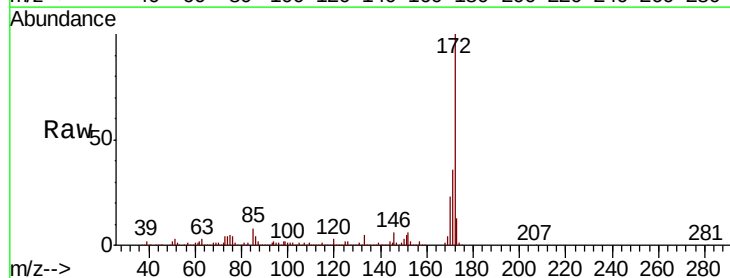
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E



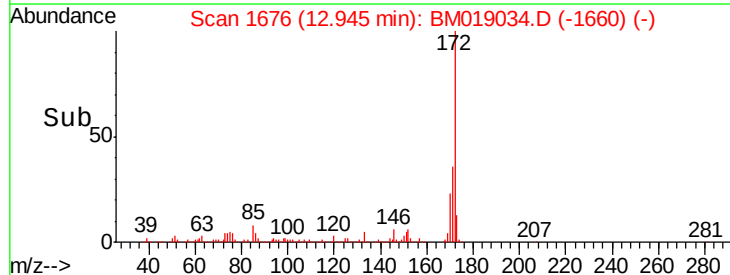
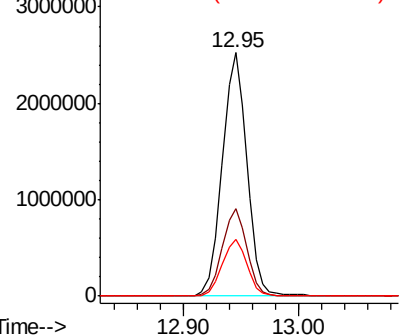
#45  
 2-Fluorobiphenyl  
 Concen: 95.332 ng  
 RT: 12.95 min Scan# 1676  
 Delta R.T. -0.01 min  
 Lab File: BM019034.D  
 Acq: 05 Mar 2019 06:29

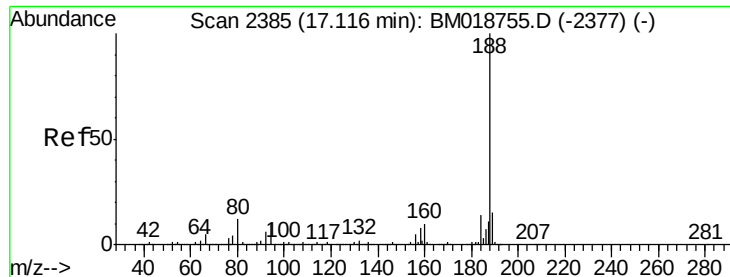
Tgt Ion:172 Resp: 3741531  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 35.8  | 29.0  | 43.6  |
| 170 | 23.3  | 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

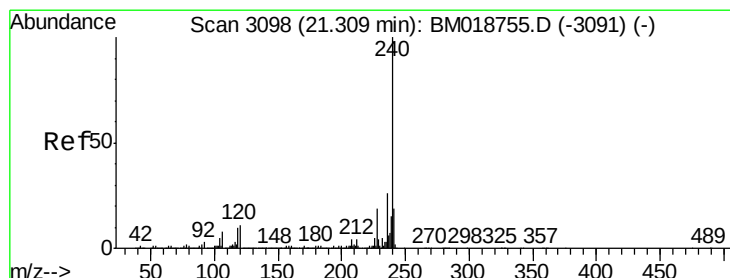
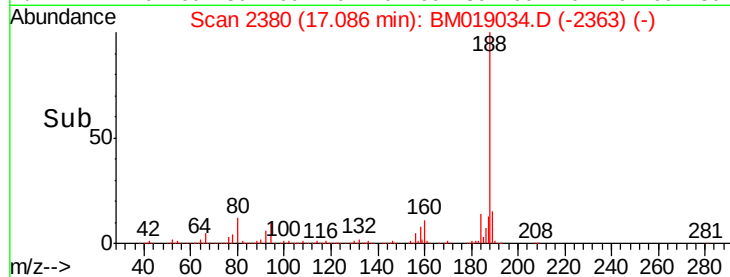
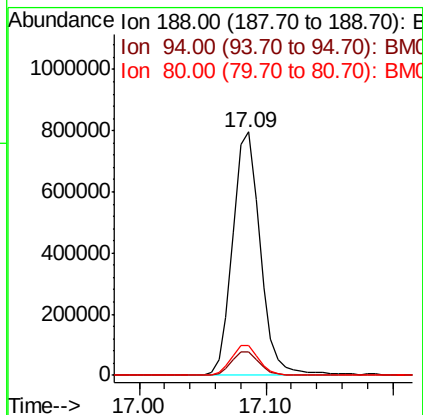
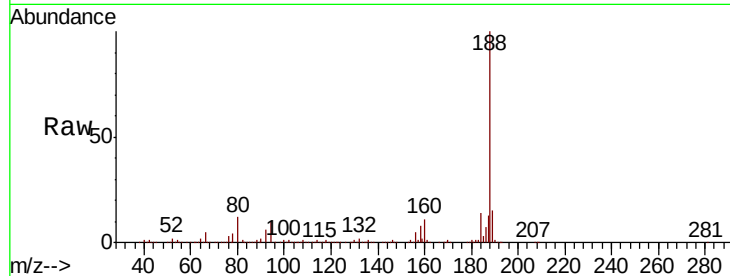




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.09 min Scan# 2380  
Delta R.T. 0.00 min  
Lab File: BM019034.D  
Acq: 05 Mar 2019 06:29

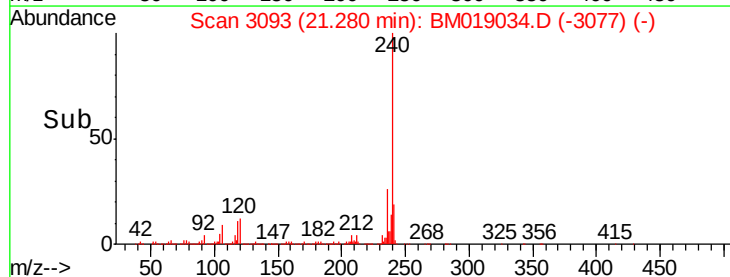
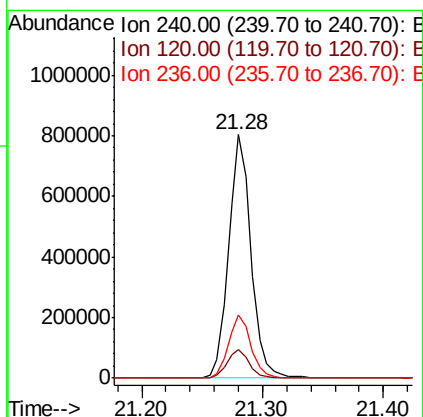
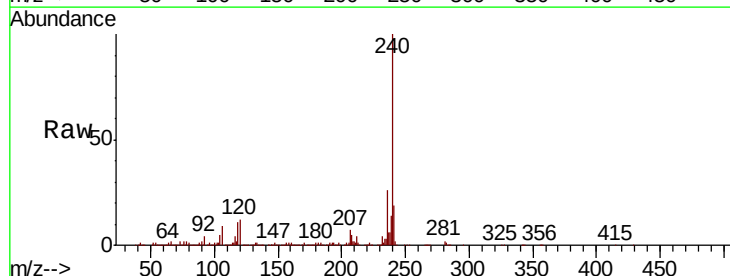
Instrument :  
BNA\_M  
ClientSampled :  
TP-4-B-D

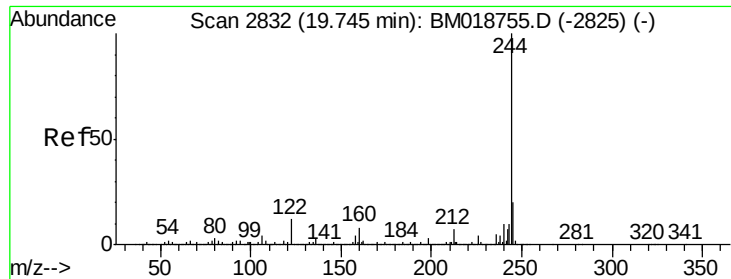
Tot Ion:188 Resp: 1198682  
Ion Ratio Lower Upper  
188 100  
94 9.8 8.2 12.2  
80 12.3 9.7 14.5



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.28 min Scan# 3093  
Delta R.T. -0.01 min  
Lab File: BM019034.D  
Acq: 05 Mar 2019 06:29

Tgt Ion:240 Resp: 1034301  
Ion Ratio Lower Upper  
240 100  
120 11.7 8.9 13.3  
236 25.7 20.9 31.3

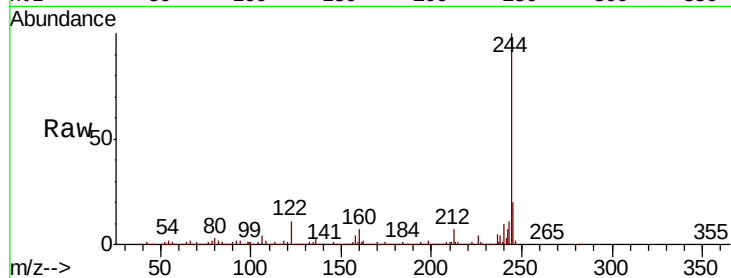




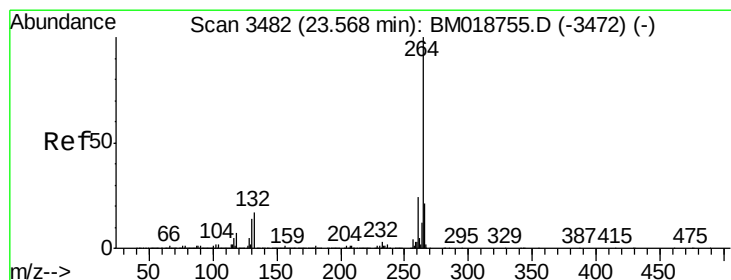
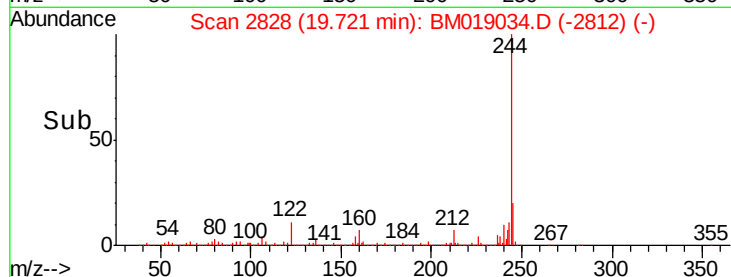
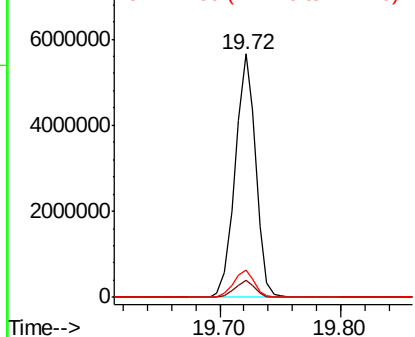
#79  
 Terphenyl-d14  
 Concen: 133.399 ng  
 RT: 19.72 min Scan# 2828  
 Delta R.T. -0.01 min  
 Lab File: BM019034.D  
 Acq: 05 Mar 2019 06:29

Instrument :  
 BNA\_M  
 ClientSampleId :  
 TP-4-B-D

Tot Ion:244 Resp: 6688401  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.6 8.4  
 122 11.3 9.3 13.9

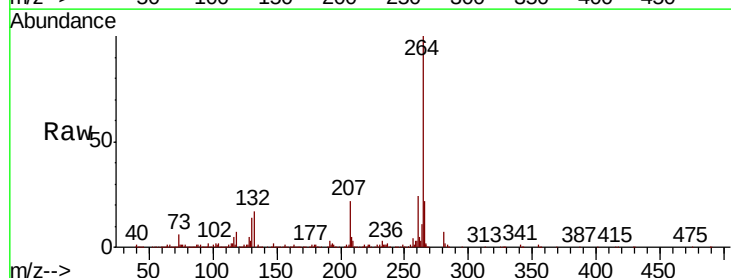


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.53 min Scan# 3475  
 Delta R.T. -0.01 min  
 Lab File: BM019034.D  
 Acq: 05 Mar 2019 06:29

Tgt Ion:264 Resp: 958135  
 Ion Ratio Lower Upper  
 264 100  
 260 23.8 18.9 28.3  
 265 21.7 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

