

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM030419\  
 Data File : BM019030.D  
 Acq On : 05 Mar 2019 04:05  
 Operator : JU/SJ  
 Sample : K1688-04  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

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

Quant Time: Mar 05 04:56:16 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  | 218165   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.46 | 136  | 854865   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10        | 14.33 | 164  | 495521   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10        | 17.09 | 188  | 1104788  | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12            | 21.28 | 240  | 893954   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12            | 23.53 | 264  | 903217   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.28  | 112  | 1815731  | 136.37 | ng    | 0.00     |
| 7) Phenol-d6                | 6.86  | 99   | 2325279  | 123.96 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.85  | 82   | 1750761  | 94.70  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol    | 15.83 | 330  | 1059999  | 148.40 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 12.95 | 172  | 3429100  | 91.86  | ng    | 0.00     |
| 79) Terphenyl-d14           | 19.72 | 244  | 5240003  | 120.92 | ng    | 0.00     |

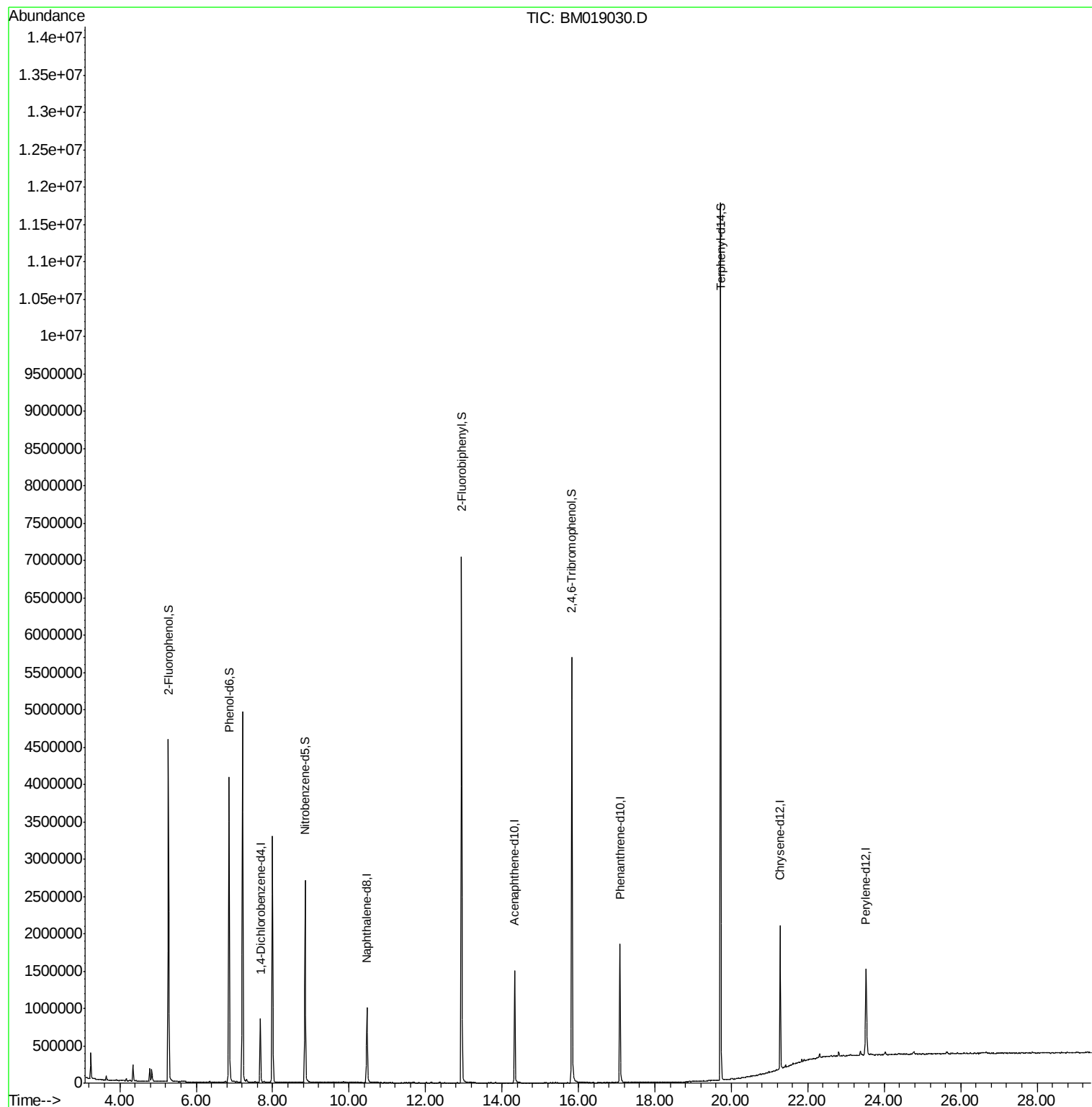
Target Compounds Qvalue

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

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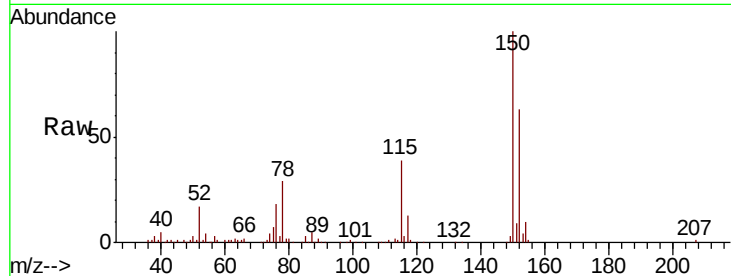


#1

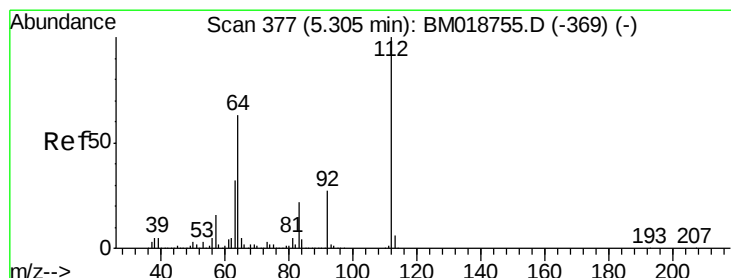
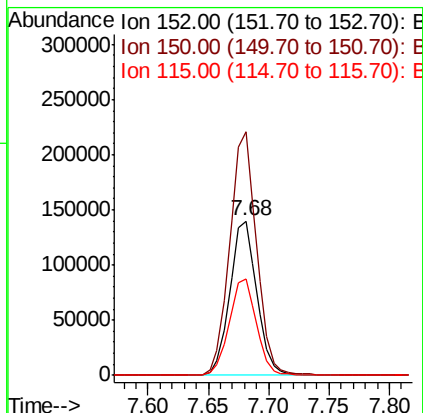
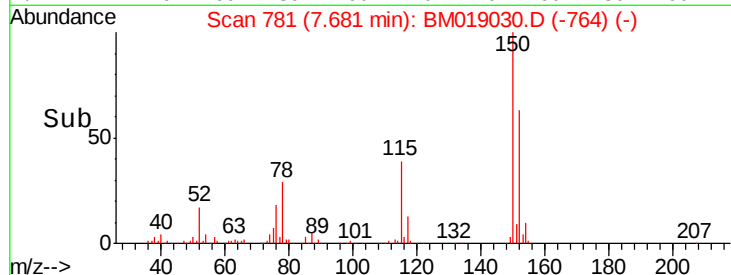
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.68 min Scan# 781  
Delta R.T. 0.00 min  
Lab File: BM019030.D  
Acq: 05 Mar 2019 04:05

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

Tot Ion:152 Resp: 218165  
Ion Ratio Lower Upper  
152 100  
150 157.6 127.3 190.9  
115 62.1 50.8 76.2



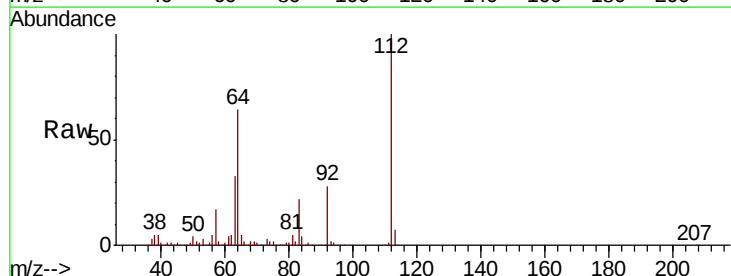
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



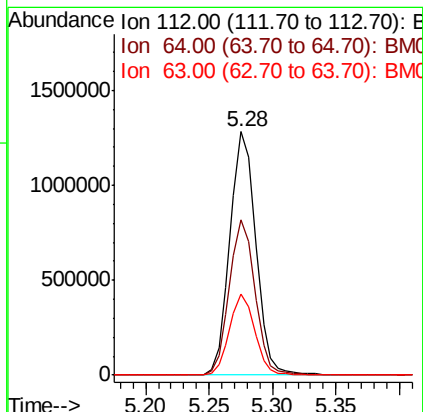
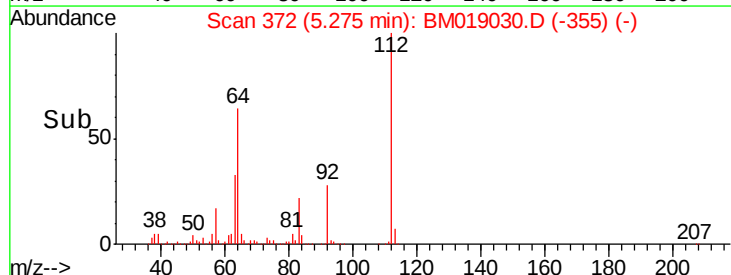
#5

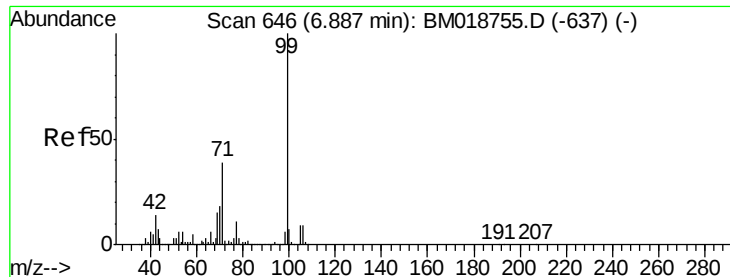
2-Fluorophenol  
Concen: 136.366 ng  
RT: 5.28 min Scan# 372  
Delta R.T. 0.00 min  
Lab File: BM019030.D  
Acq: 05 Mar 2019 04:05

Tgt Ion:112 Resp: 1815731  
Ion Ratio Lower Upper  
112 100  
64 64.0 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: 123.964 ng

RT: 6.86 min Scan# 641

Delta R.T. 0.00 min

Lab File: BM019030.D

Acq: 05 Mar 2019 04:05

Instrument :

BNA\_M

ClientSampleId :

JC-03-030119-B

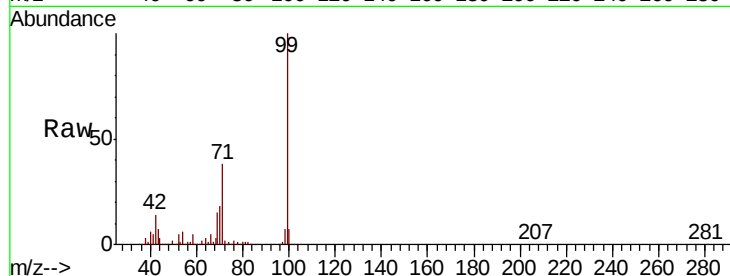
Tot Ion: 99 Resp: 2325279

Ion Ratio Lower Upper

99 100

42 13.8 11.0 16.6

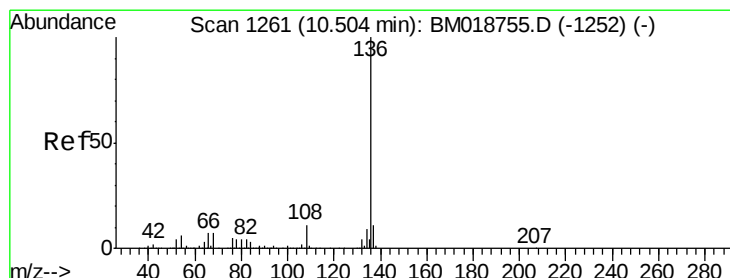
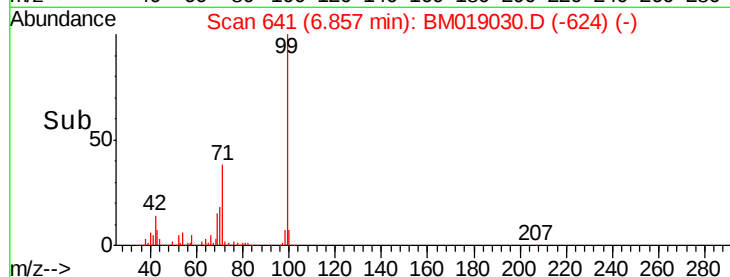
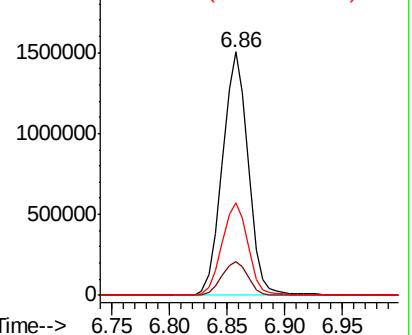
71 38.0 31.3 46.9



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: BM019030.D

Acq: 05 Mar 2019 04:05

Tgt Ion: 136 Resp: 854865

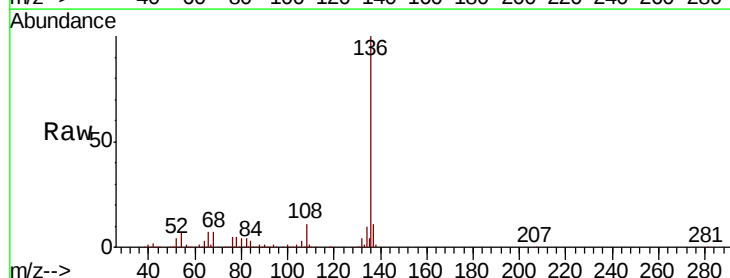
Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

54 6.7 5.0 7.6

68 7.1 5.5 8.3

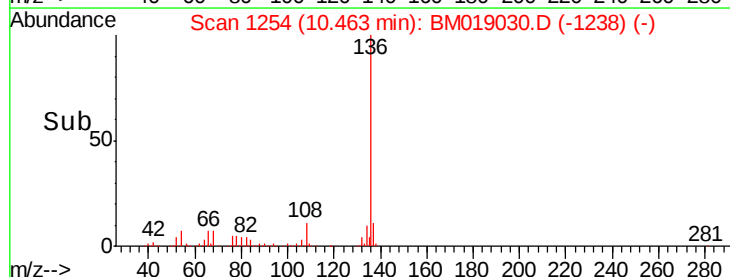
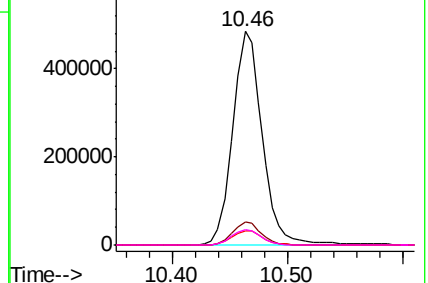


Abundance Ion 136.00 (135.70 to 136.70): BM018755.D (-1252) (-)

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) (-)

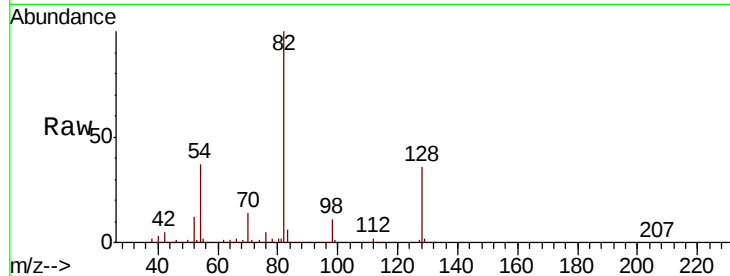




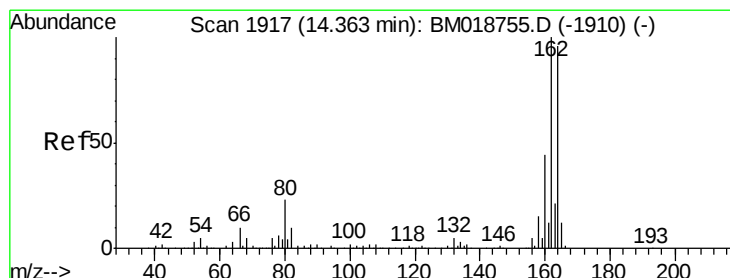
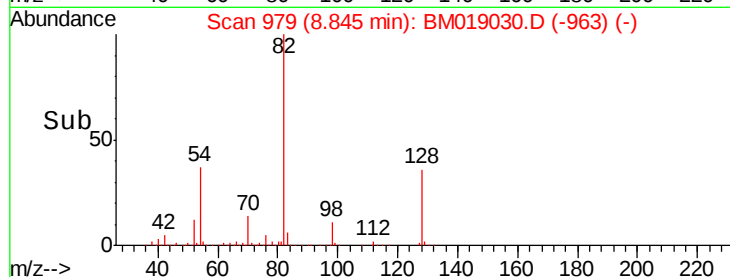
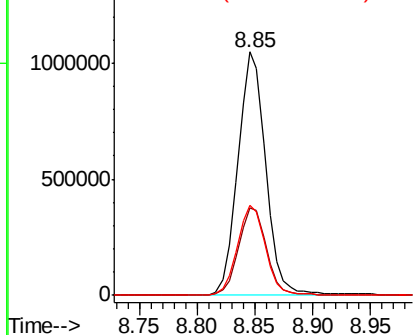
#23  
Nitrobenzene-d5  
Concen: 94.697 ng  
RT: 8.85 min Scan# 979  
Delta R.T. -0.01 min  
Lab File: BM019030.D  
Acq: 05 Mar 2019 04:05

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

Tot Ion: 82 Resp: 1750761  
Ion Ratio Lower Upper  
82 100  
128 36.1 29.9 44.9  
54 37.2 29.1 43.7

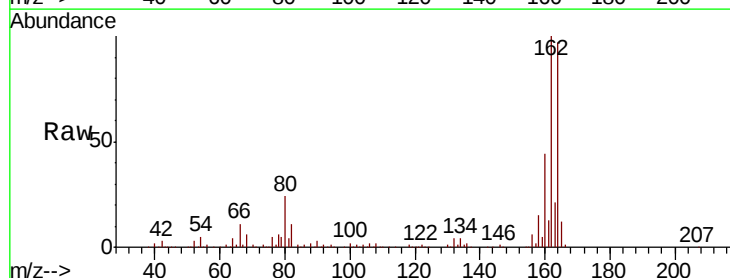


Abundance Ion 82.00 (81.70 to 82.70): BM018755.D (-976) (-)  
Ion 128.00 (127.70 to 128.70): BM018755.D (-976) (-)  
Ion 54.00 (53.70 to 54.70): BM018755.D (-976) (-)

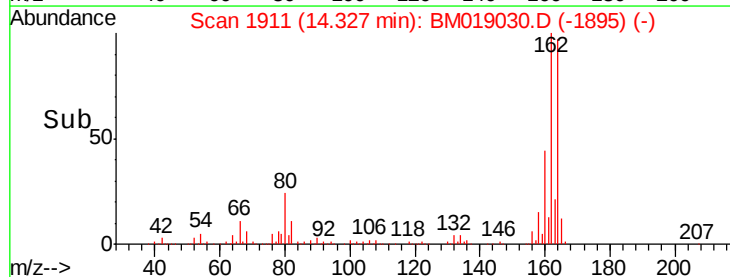
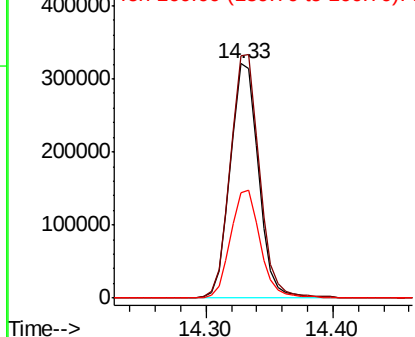


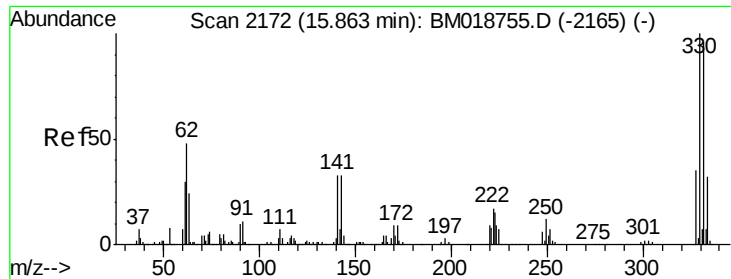
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.33 min Scan# 1911  
Delta R.T. -0.01 min  
Lab File: BM019030.D  
Acq: 05 Mar 2019 04:05

Tgt Ion:164 Resp: 495521  
Ion Ratio Lower Upper  
164 100  
162 103.3 83.4 125.0  
160 45.2 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) (-)

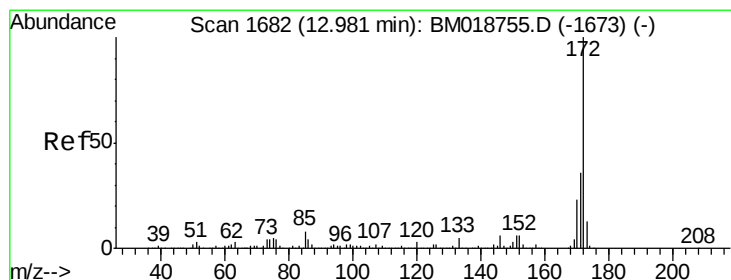
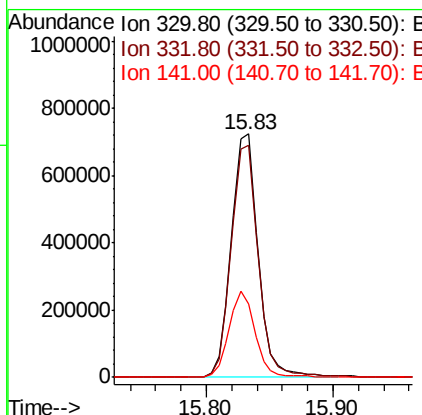
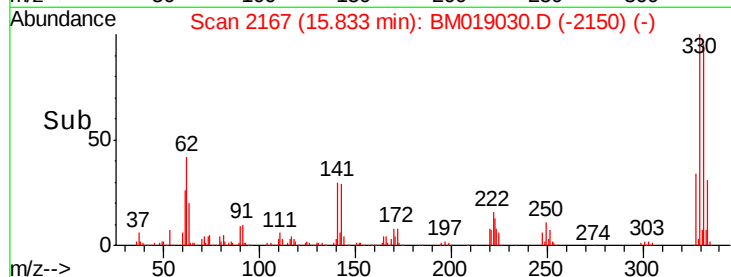
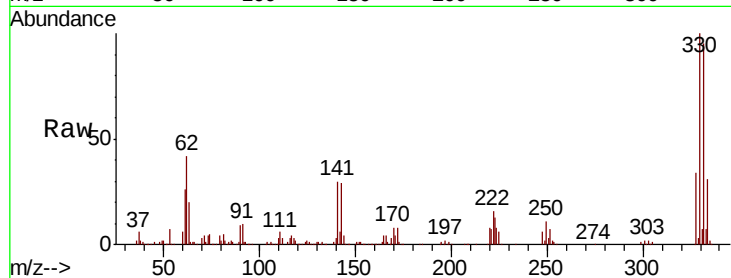




#42  
 2,4,6-Tribromophenol  
 Concen: 148.401 ng  
 RT: 15.83 min Scan# 2167  
 Delta R.T. 0.00 min  
 Lab File: BM019030.D  
 Acq: 05 Mar 2019 04:05

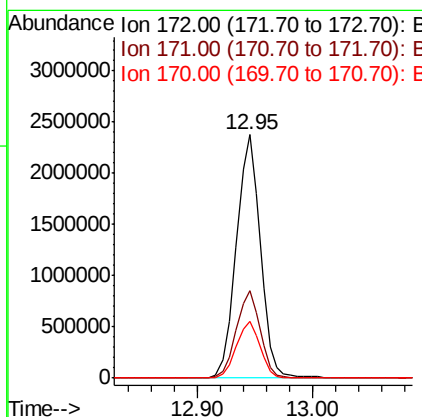
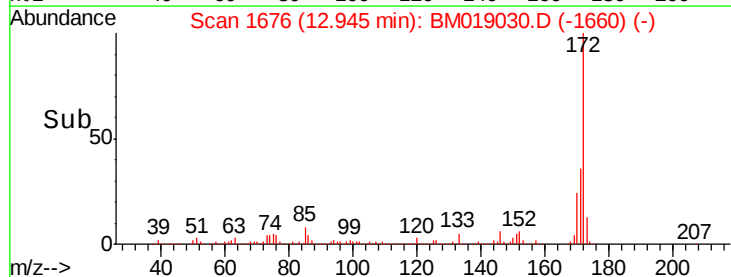
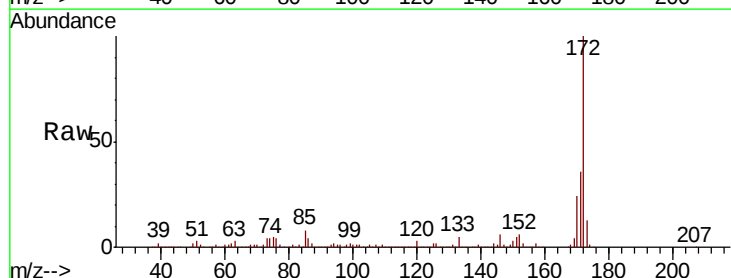
Instrument :  
 BNA\_M  
 ClientSampleId :  
 JC-03-030119-B

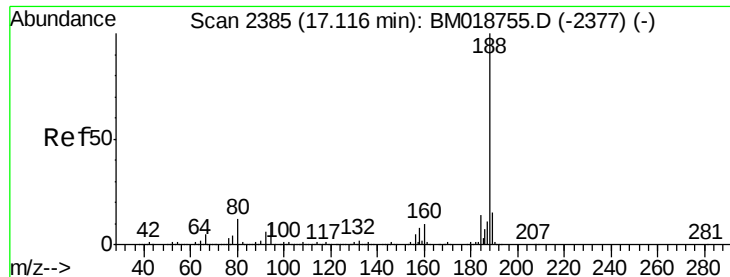
Tot Ion:330 Resp: 1059999  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 76.9 115.3  
 141 34.7 28.7 43.1



#45  
 2-Fluorobiphenyl  
 Concen: 91.864 ng  
 RT: 12.95 min Scan# 1676  
 Delta R.T. -0.01 min  
 Lab File: BM019030.D  
 Acq: 05 Mar 2019 04:05

Tgt Ion:172 Resp: 3429100  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.0 43.6  
 170 23.5 18.6 28.0

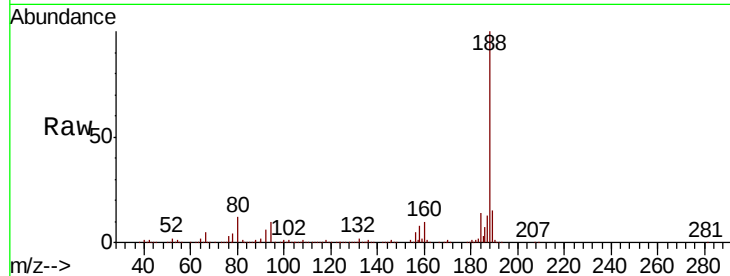




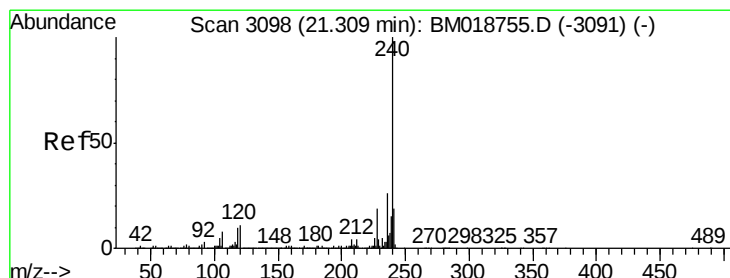
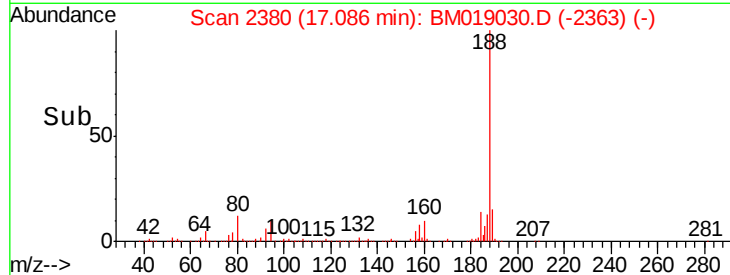
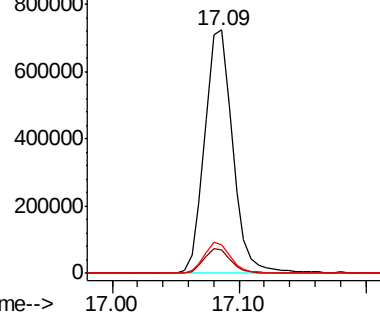
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.09 min Scan# 2380  
Delta R.T. 0.00 min  
Lab File: BM019030.D  
Acq: 05 Mar 2019 04:05

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

Tot Ion:188 Resp: 1104788  
Ion Ratio Lower Upper  
188 100  
94 9.8 8.2 12.2  
80 11.8 9.7 14.5

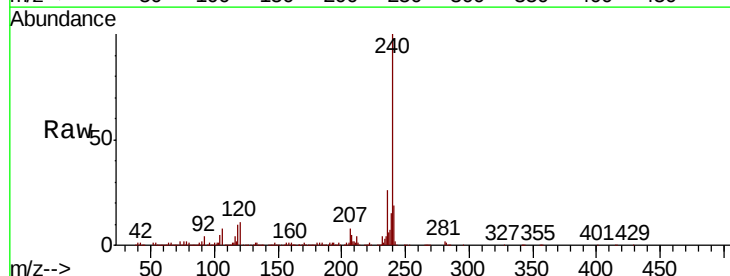


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BM  
Ion 80.00 (79.70 to 80.70): BM

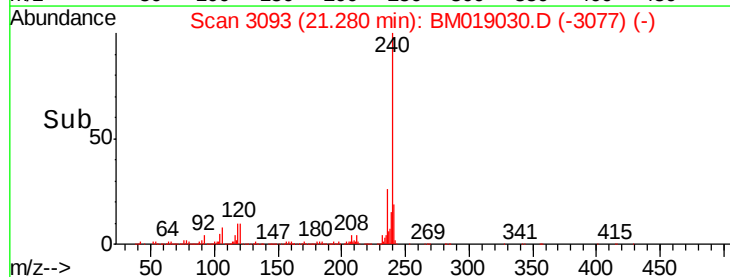
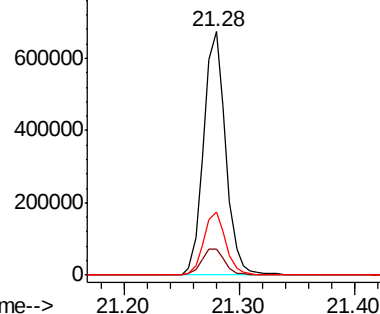


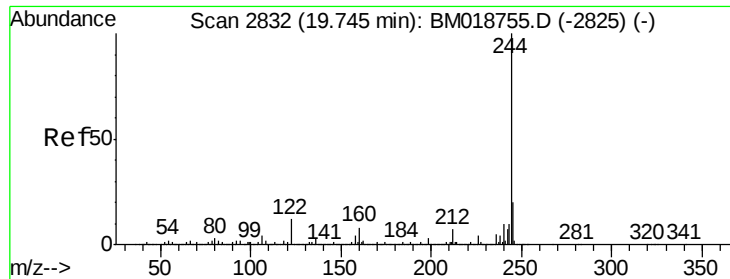
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.28 min Scan# 3093  
Delta R.T. -0.01 min  
Lab File: BM019030.D  
Acq: 05 Mar 2019 04:05

Tgt Ion:240 Resp: 893954  
Ion Ratio Lower Upper  
240 100  
120 10.5 8.9 13.3  
236 25.9 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: 120.919 ng

RT: 19.72 min Scan# 2828

Delta R.T. -0.01 min

Lab File: BM019030.D

Acq: 05 Mar 2019 04:05

Instrument :

BNA\_M

ClientSampleId :

JC-03-030119-B

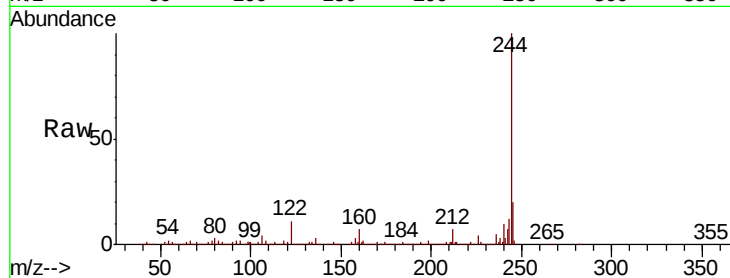
Tot Ion:244 Resp: 5240003

Ion Ratio Lower Upper

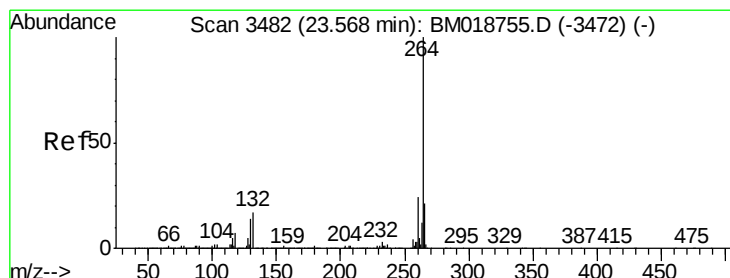
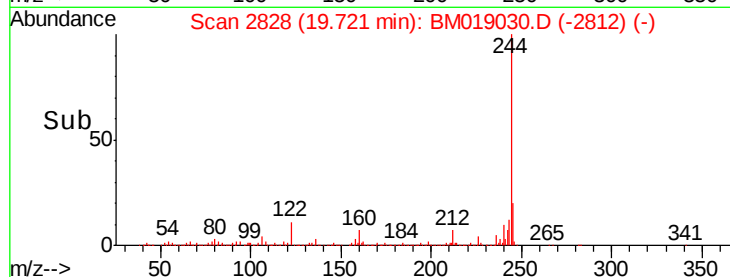
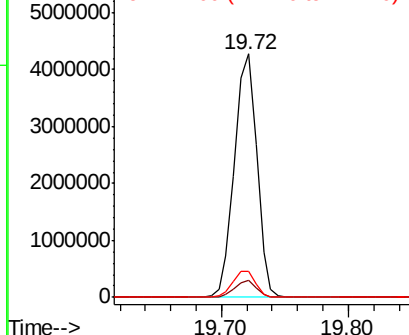
244 100

212 6.8 5.6 8.4

122 10.6 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: BM019030.D

Acq: 05 Mar 2019 04:05

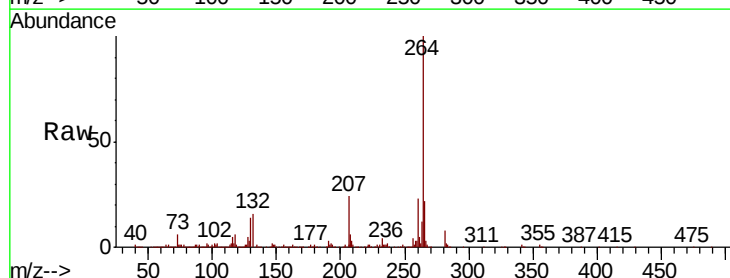
Tgt Ion:264 Resp: 903217

Ion Ratio Lower Upper

264 100

260 23.2 18.9 28.3

265 22.4 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

