

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_M\DATA\BM041919\  
 Data File : BM019987.D  
 Acq On : 20 Apr 2019 00:36  
 Operator : JU/SJ  
 Sample : K2484-05  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RT-1873

Quant Time: Apr 20 01:11:38 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM041519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 19 00:56:08 2019  
 Response via : Initial Calibration

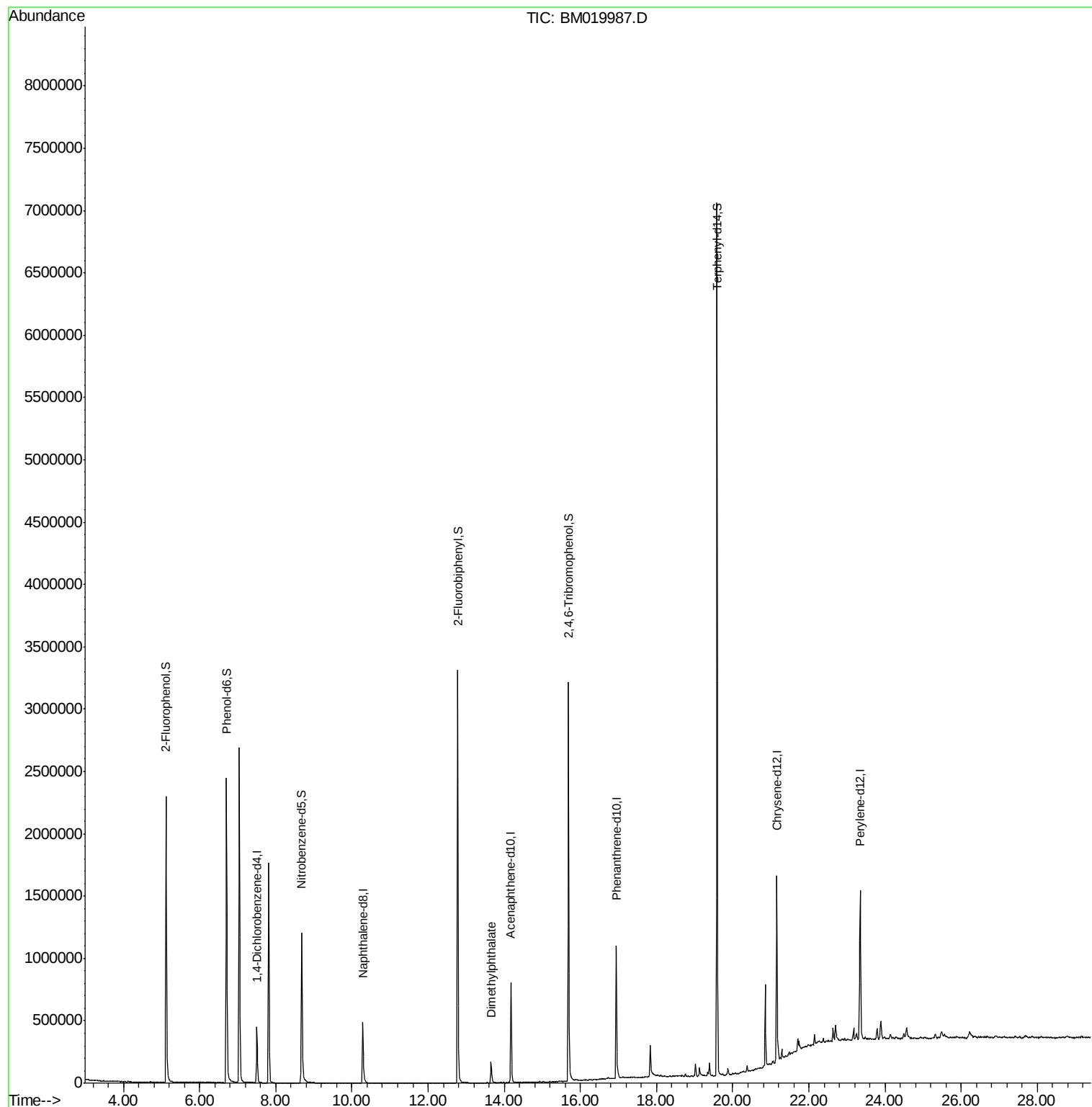
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.50  | 152  | 112651   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 10.29 | 136  | 448280   | 20.00  | ng    | 0.00      |
| 39) Acenaphthene-d10        | 14.17 | 164  | 272974   | 20.00  | ng    | 0.00      |
| 64) Phenanthrene-d10        | 16.95 | 188  | 628443   | 20.00  | ng    | 0.00      |
| 76) Chrysene-d12            | 21.16 | 240  | 673135   | 20.00  | ng    | 0.00      |
| 87) Perylene-d12            | 23.34 | 264  | 838739   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.12  | 112  | 1016717  | 146.27 | ng    | 0.00      |
| 7) Phenol-d6                | 6.70  | 99   | 1439789  | 137.63 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 8.68  | 82   | 875459   | 87.34  | ng    | 0.00      |
| 42) 2,4,6-Tribromophenol    | 15.69 | 330  | 597834   | 136.05 | ng    | 0.00      |
| 45) 2-Fluorobiphenyl        | 12.78 | 172  | 1626529  | 74.26  | ng    | 0.00      |
| 79) Terphenyl-d14           | 19.59 | 244  | 2900840  | 76.01  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 50) Dimethylphthalate       | 13.66 | 163  | 135921   | 5.645  | ng    | Qvalue 99 |

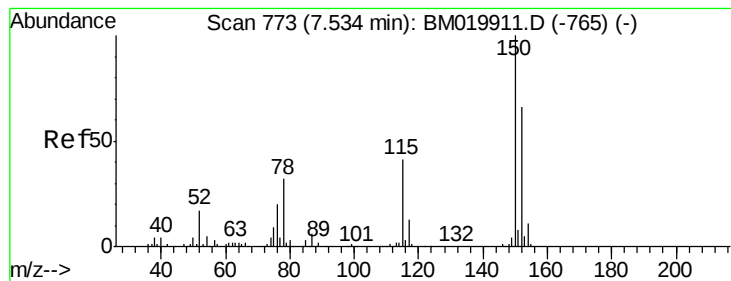
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_M\METHODS\8270-BM041519.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 19 00:56:08 2019  
Response via : Initial Calibration



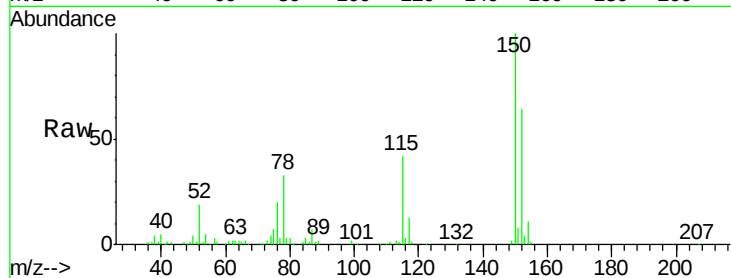


#1

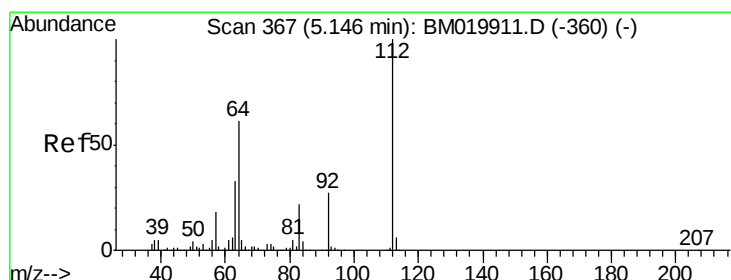
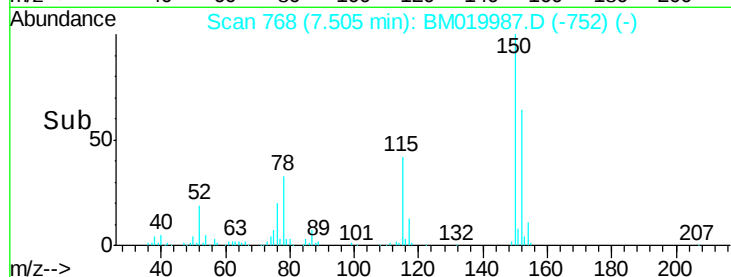
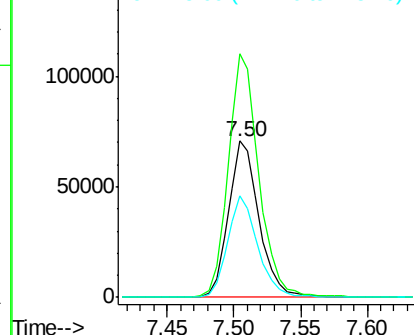
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.50 min Scan# 768  
Delta R.T. -0.01 min  
Lab File: BM019987.D  
Acq: 20 Apr 2019 00:36

Instrument :  
BNA\_M  
ClientSampled :  
RT-1873

Tgt Ion:152 Resp: 112651  
Ion Ratio Lower Upper  
152 100  
150 156.1 122.1 183.1  
115 64.8 50.0 75.0



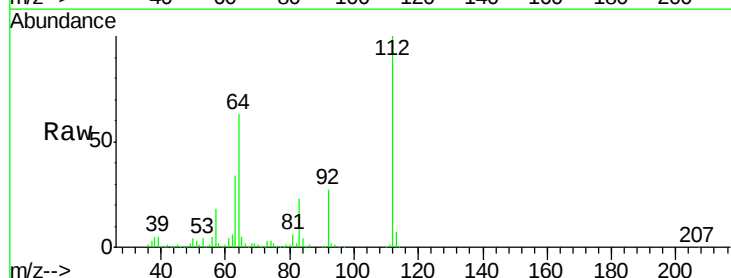
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



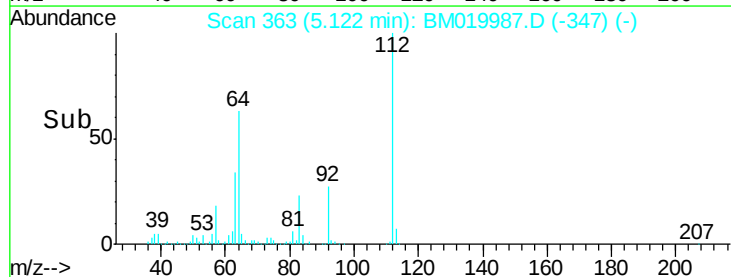
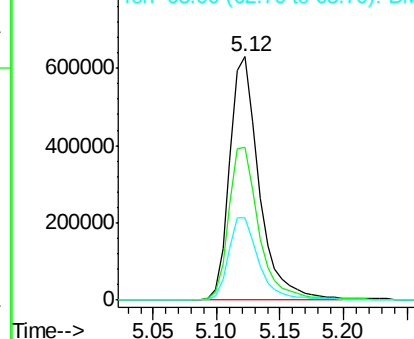
#5

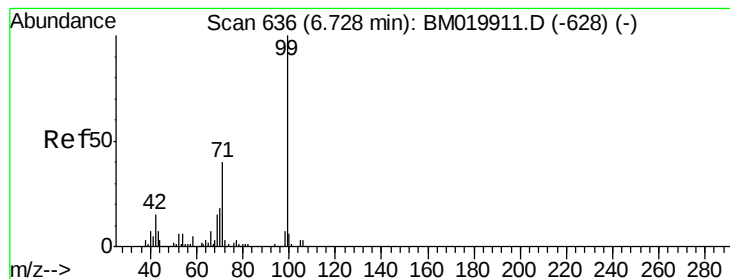
2-Fluorophenol  
Concen: 146.270 ng  
RT: 5.12 min Scan# 363  
Delta R.T. -0.01 min  
Lab File: BM019987.D  
Acq: 20 Apr 2019 00:36

Tgt Ion:112 Resp: 1016717  
Ion Ratio Lower Upper  
112 100  
64 62.8 49.1 73.7  
63 33.9 26.5 39.7



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: 137.632 ng

RT: 6.70 min Scan# 632

Delta R.T. -0.01 min

Lab File: BM019987.D

Acq: 20 Apr 2019 00:36

Instrument :

BNA\_M

ClientSampleId :

RT-1873

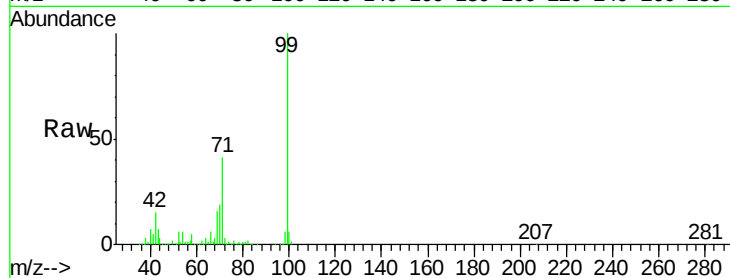
Tgt Ion: 99 Resp: 1439789

Ion Ratio Lower Upper

99 100

42 15.1 11.8 17.8

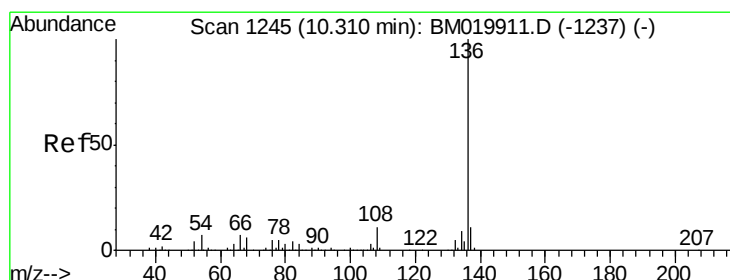
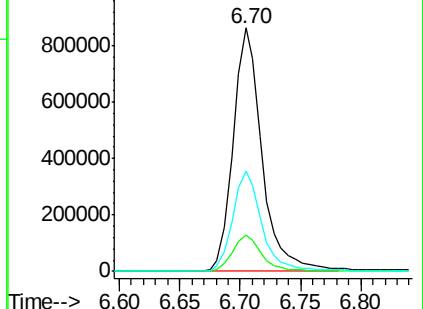
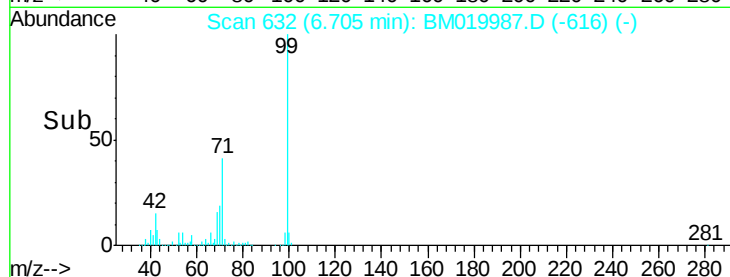
71 41.2 32.0 48.0



Abundance Ion 99.00 (98.70 to 99.70): BM019987.D (-616) (-)

Ion 42.00 (41.70 to 42.70): BM019987.D (-616) (-)

Ion 71.00 (70.70 to 71.70): BM019987.D (-616) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.29 min Scan# 1241

Delta R.T. 0.00 min

Lab File: BM019987.D

Acq: 20 Apr 2019 00:36

Tgt Ion: 136 Resp: 448280

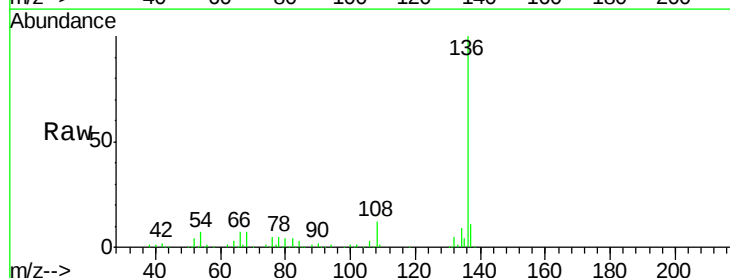
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 7.0 5.3 7.9

68 7.4 5.2 7.8

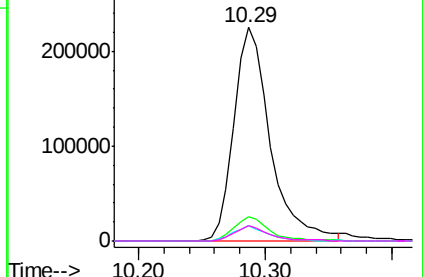
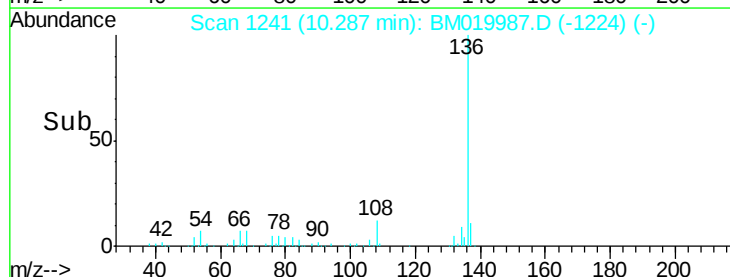


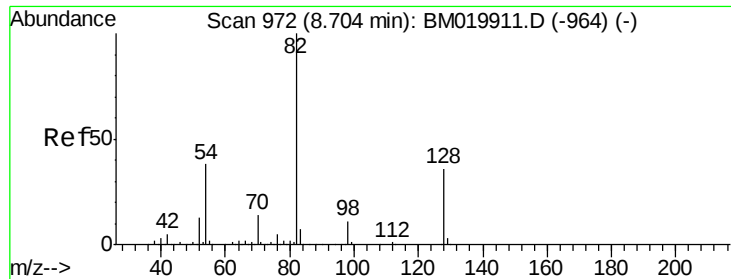
Abundance Ion 136.00 (135.70 to 136.70): BM019987.D (-1224) (-)

Ion 137.00 (136.70 to 137.70): BM019987.D (-1224) (-)

Ion 54.00 (53.70 to 54.70): BM019987.D (-1224) (-)

Ion 68.00 (67.70 to 68.70): BM019987.D (-1224) (-)

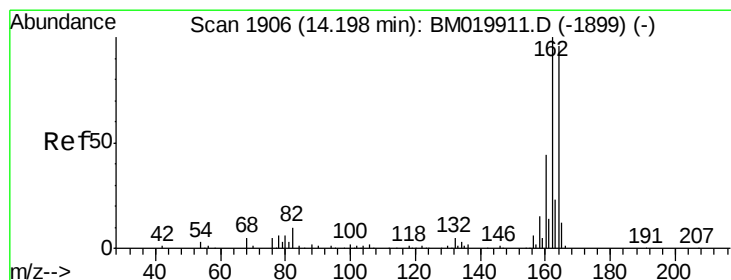
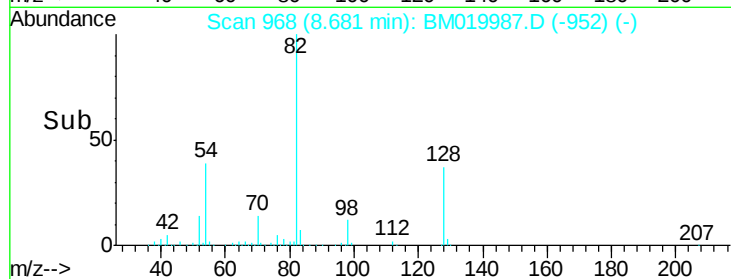
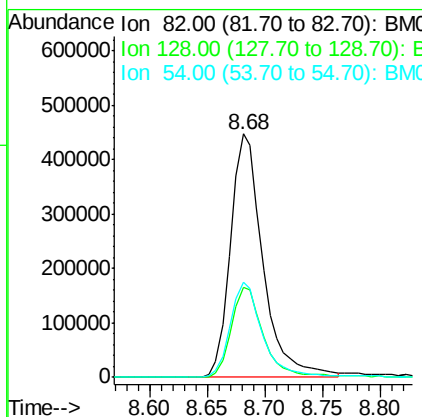
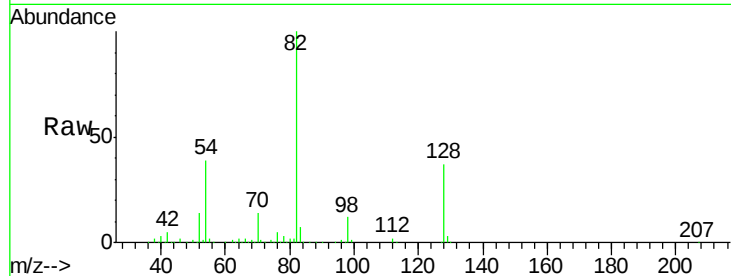




#23  
 Nitrobenzene-d5  
 Concen: 87.337 ng  
 RT: 8.68 min Scan# 968  
 Delta R.T. -0.01 min  
 Lab File: BM019987.D  
 Acq: 20 Apr 2019 00:36

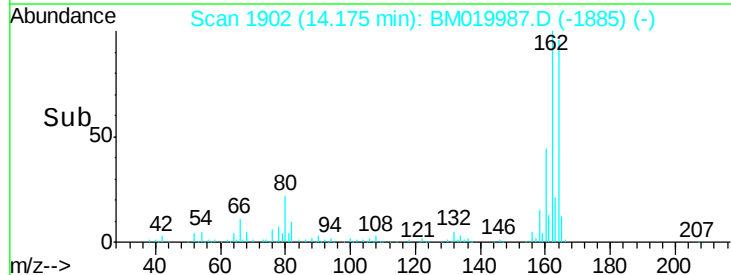
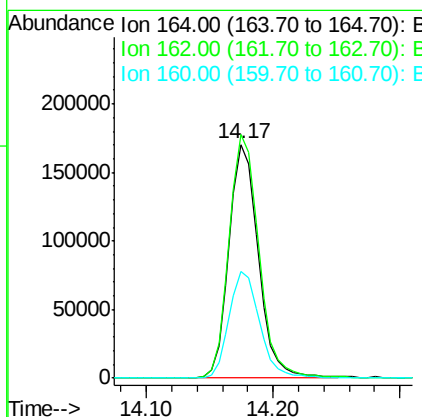
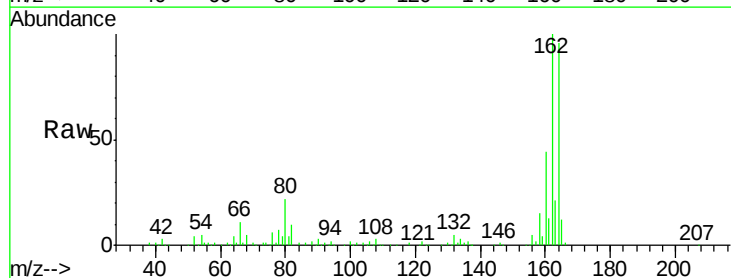
Instrument :  
 BNA\_M  
 ClientSampleId :  
 RT-1873

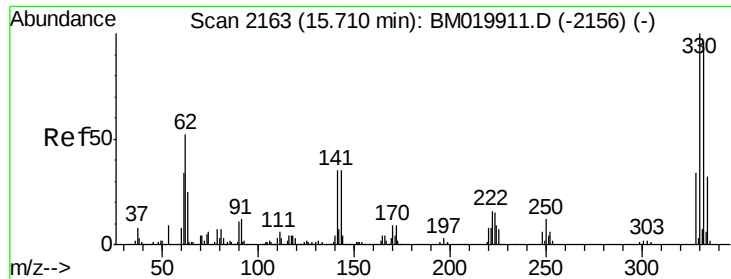
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 37.1  | 29.0  | 43.4  |
| 54      | 39.0  | 30.2  | 45.4  |



#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 14.17 min Scan# 1902  
 Delta R.T. 0.00 min  
 Lab File: BM019987.D  
 Acq: 20 Apr 2019 00:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.0 | 83.0  | 124.4 |
| 160     | 45.8  | 36.6  | 55.0  |

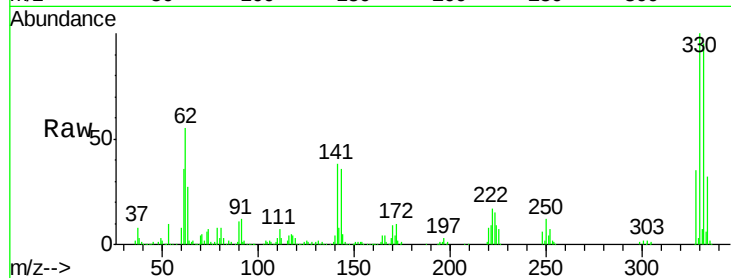




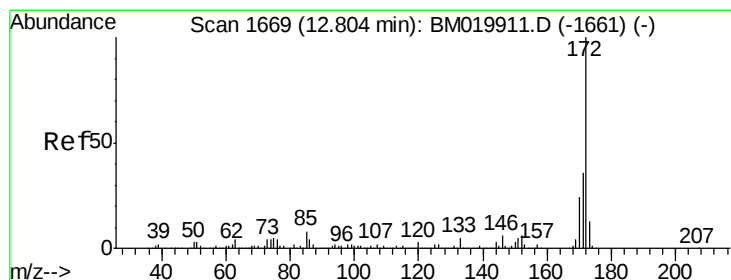
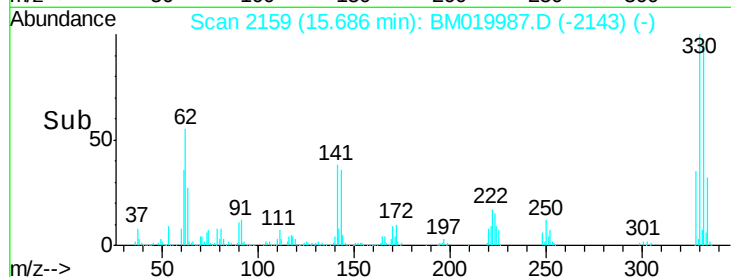
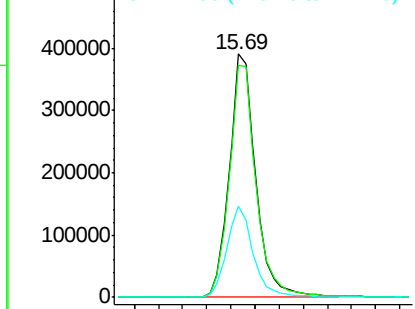
#42  
 2,4,6-Tribromophenol  
 Concen: 136.053 ng  
 RT: 15.69 min Scan# 2159  
 Delta R.T. -0.01 min  
 Lab File: BM019987.D  
 Acq: 20 Apr 2019 00:36

Instrument :  
 BNA\_M  
 ClientSampleId :  
 RT-1873

Tgt Ion:330 Resp: 597834  
 Ion Ratio Lower Upper  
 330 100  
 332 96.7 77.4 116.2  
 141 37.6 29.0 43.4

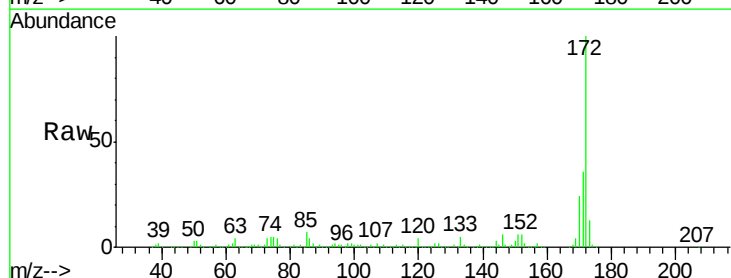


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

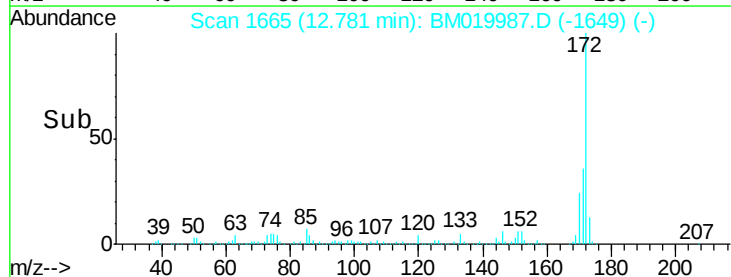
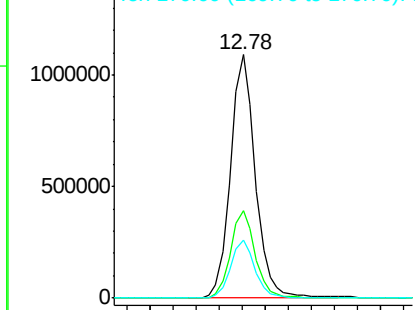


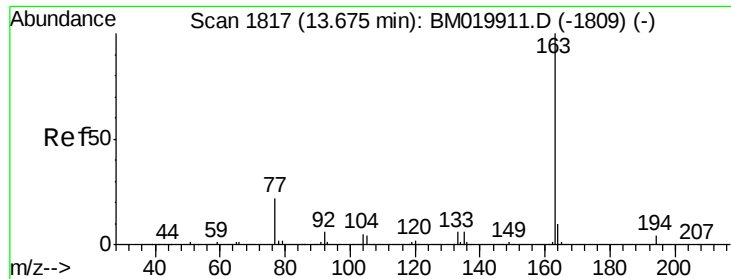
#45  
 2-Fluorobiphenyl  
 Concen: 74.257 ng  
 RT: 12.78 min Scan# 1665  
 Delta R.T. -0.01 min  
 Lab File: BM019987.D  
 Acq: 20 Apr 2019 00:36

Tgt Ion:172 Resp: 1626529  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 28.9 43.3  
 170 23.9 19.0 28.4



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





#50

Dimethylphthalate

Concen: 5.645 ng

RT: 13.66 min Scan# 1814

Delta R.T. 0.01 min

Lab File: BM019987.D

Acq: 20 Apr 2019 00:36

Instrument :

BNA\_M

ClientSampleId :

RT-1873

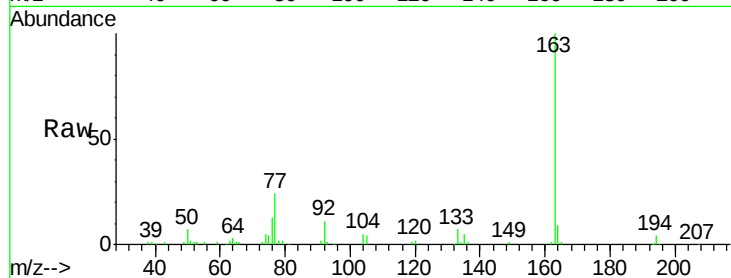
Tgt Ion:163 Resp: 135921

Ion Ratio Lower Upper

163 100

194 4.2 3.1 4.7

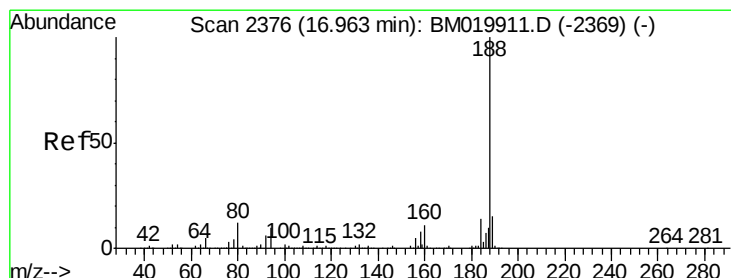
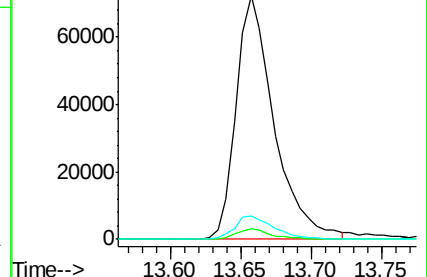
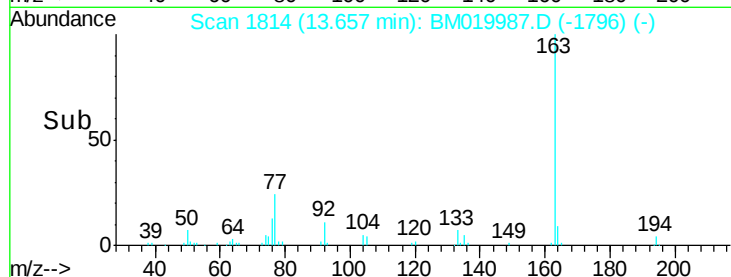
164 9.4 7.9 11.9



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.95 min Scan# 2373

Delta R.T. 0.00 min

Lab File: BM019987.D

Acq: 20 Apr 2019 00:36

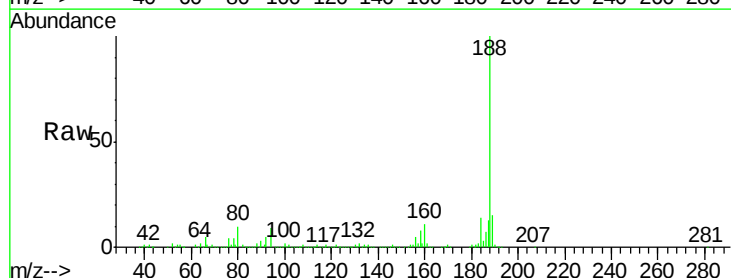
Tgt Ion:188 Resp: 628443

Ion Ratio Lower Upper

188 100

94 9.3 7.6 11.4

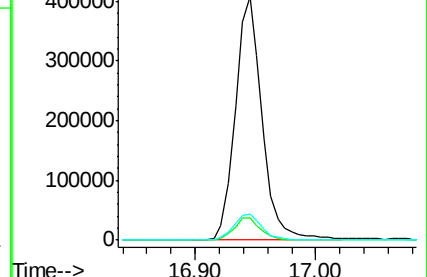
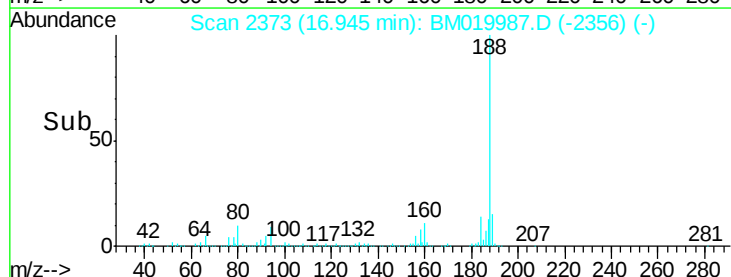
80 10.5 9.4 14.0

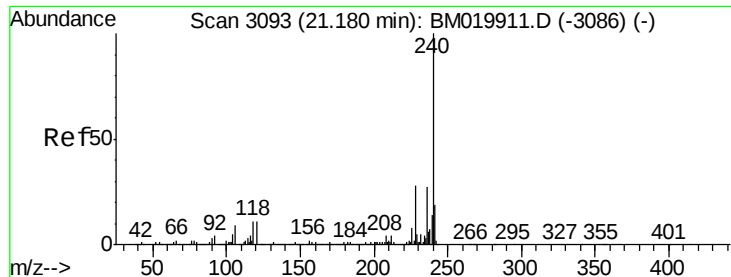


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.16 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BM019987.D

Acq: 20 Apr 2019 00:36

Instrument :

BNA\_M

ClientSampleId :

RT-1873

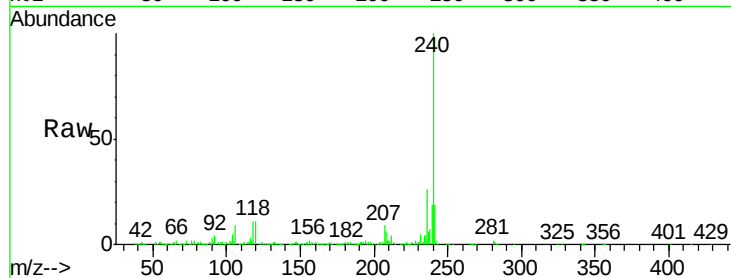
Tgt Ion:240 Resp: 673135

Ion Ratio Lower Upper

240 100

120 10.9 8.6 13.0

236 26.3 21.4 32.2



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

21.16

400000

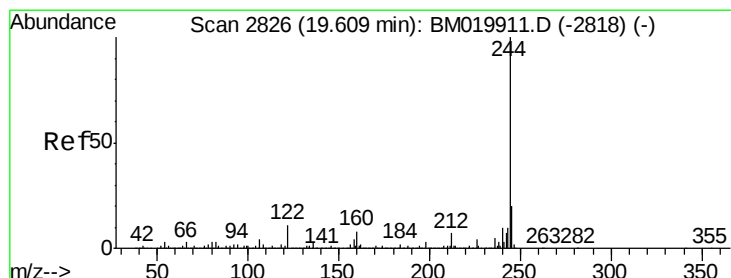
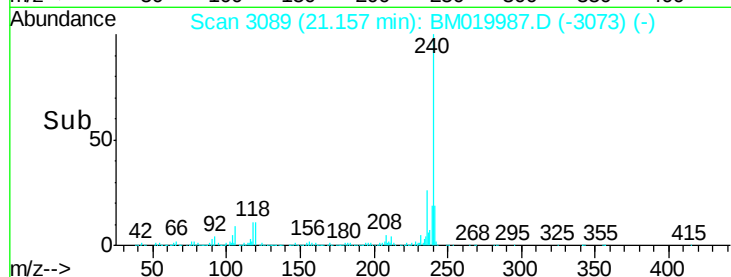
300000

200000

100000

0

Time-->



#79

Terphenyl-d14

Concen: 76.011 ng

RT: 19.59 min Scan# 2823

Delta R.T. 0.00 min

Lab File: BM019987.D

Acq: 20 Apr 2019 00:36

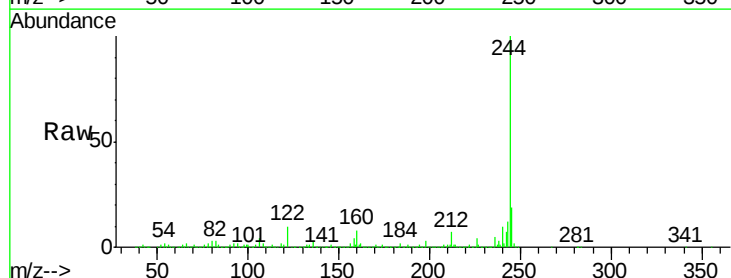
Tgt Ion:244 Resp: 2900840

Ion Ratio Lower Upper

244 100

212 7.0 5.7 8.5

122 10.1 9.1 13.7



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

19.59

3000000

2500000

2000000

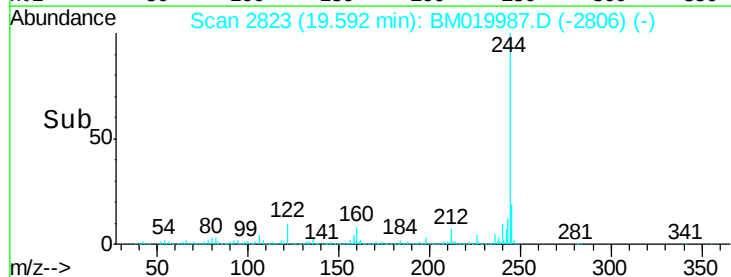
1500000

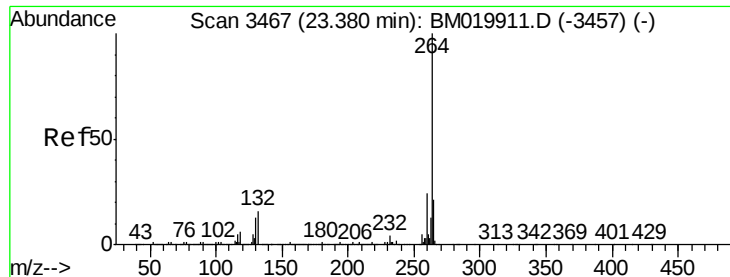
1000000

500000

0

Time-->





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.34 min Scan# 3461  
Delta R.T. -0.01 min  
Lab File: BM019987.D  
Acq: 20 Apr 2019 00:36

Instrument :  
BNA\_M  
ClientSampleId :  
RT-1873

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 19.2  | 28.8  |
| 265     | 21.5  | 17.2  | 25.8  |

