

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM022719\  
 Data File : BM018960.D  
 Acq On : 27 Feb 2019 21:37  
 Operator : JU/SJ  
 Sample : K1610-08  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WV-D

Quant Time: Feb 28 04:20:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 11 16:02:12 2019  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.69  | 152  | 245050   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.48 | 136  | 1056578  | 20.00  | ng    | -0.02    |
| 39) Acenaphthene-d10        | 14.34 | 164  | 655510   | 20.00  | ng    | -0.02    |
| 64) Phenanthrene-d10        | 17.10 | 188  | 1524202  | 20.00  | ng    | -0.02    |
| 76) Chrysene-d12            | 21.29 | 240  | 1395468  | 20.00  | ng    | -0.02    |
| 87) Perylene-d12            | 23.54 | 264  | 1191226  | 20.00  | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.29  | 112  | 2111763  | 141.20 | ng    | -0.02    |
| 7) Phenol-d6                | 6.87  | 99   | 2722884  | 129.23 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 8.86  | 82   | 2269089  | 99.30  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol    | 15.84 | 330  | 1528571  | 161.77 | ng    | -0.02    |
| 45) 2-Fluorobiphenyl        | 12.96 | 172  | 4619104  | 93.54  | ng    | -0.02    |
| 79) Terphenyl-d14           | 19.73 | 244  | 8165098  | 120.70 | ng    | -0.01    |

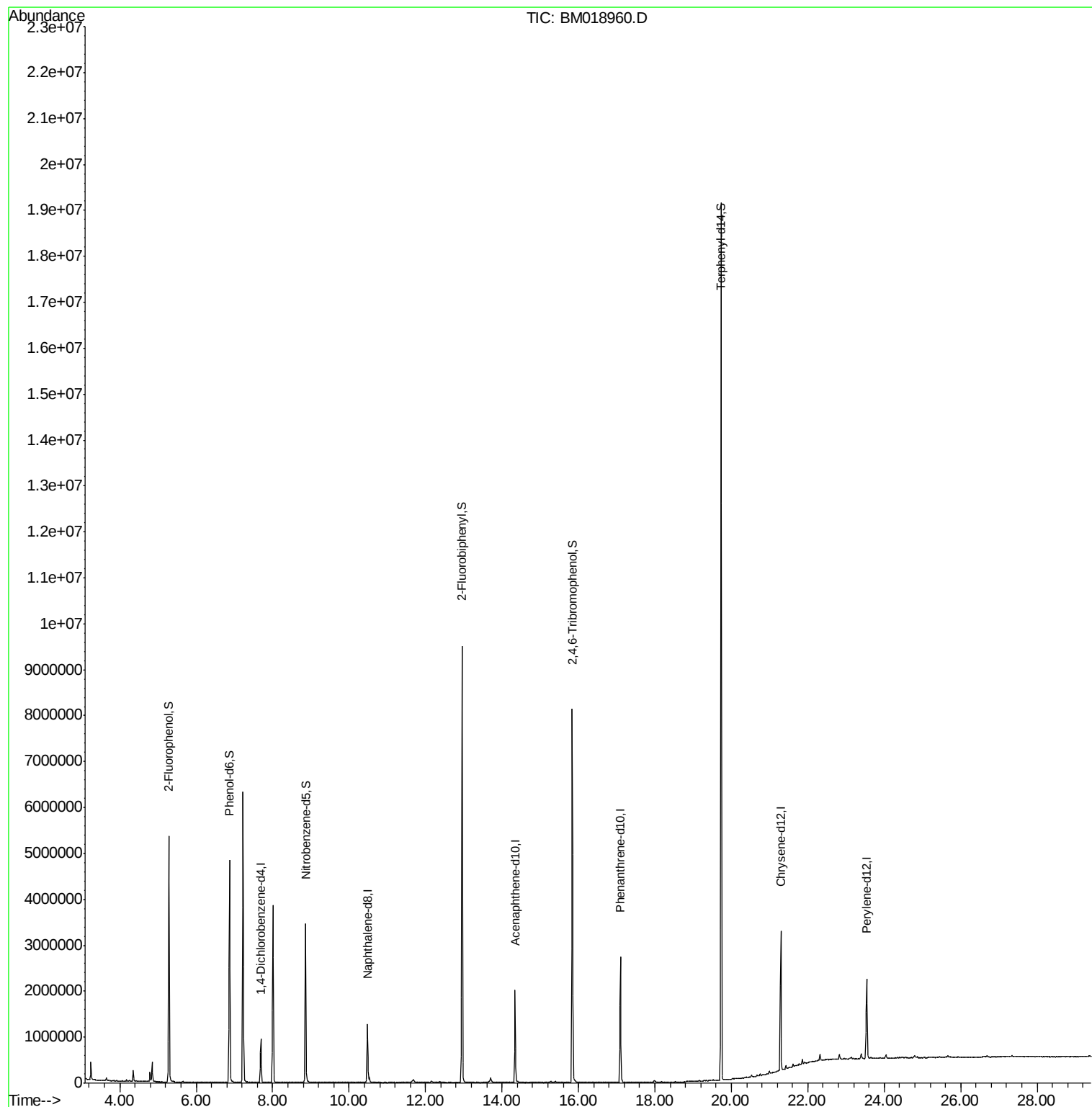
Target Compounds Qvalue

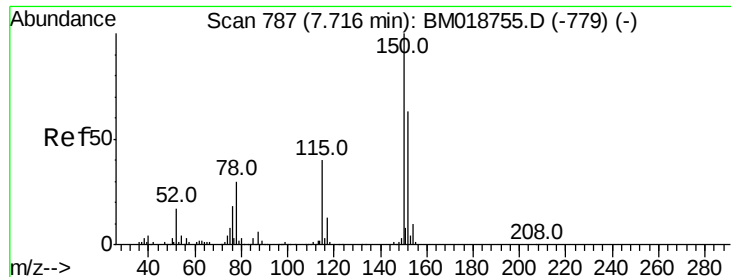
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BM018960.D  
Acq On : 27 Feb 2019 21:37  
Operator : JU/SJ  
Sample : K1610-08  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
WV-D

Quant Time: Feb 28 04:20:53 2019  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM021119.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Feb 11 16:02:12 2019  
Response via : Initial Calibration



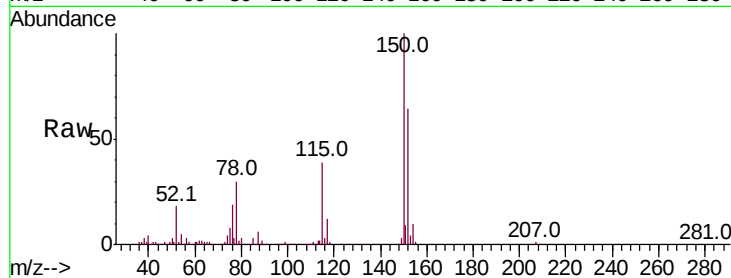


#1

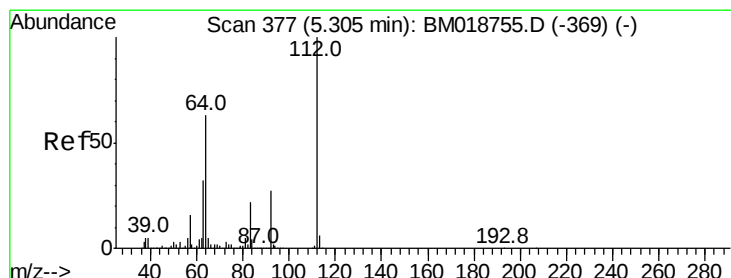
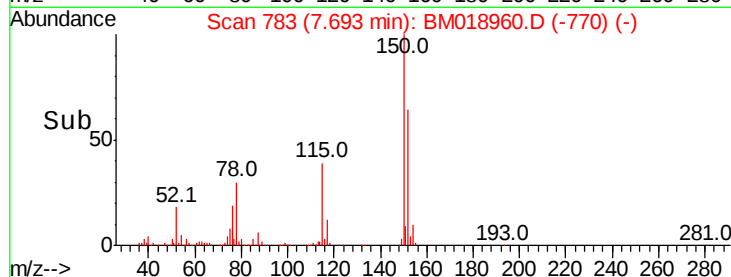
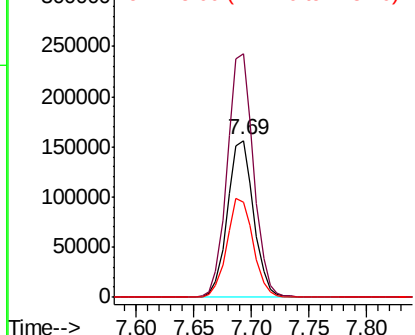
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.69 min Scan# 783  
Delta R.T. -0.02 min  
Lab File: BM018960.D  
Acq: 27 Feb 2019 21:37

Instrument :  
BNA\_M  
ClientSampleId :  
WV-D

Tot Ion:152 Resp: 245050  
Ion Ratio Lower Upper  
152 100  
150 155.1 127.3 190.9  
115 60.5 50.8 76.2



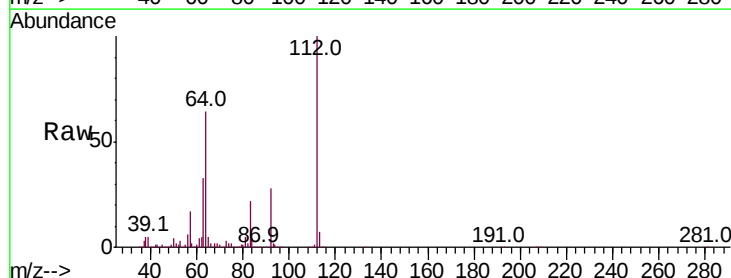
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



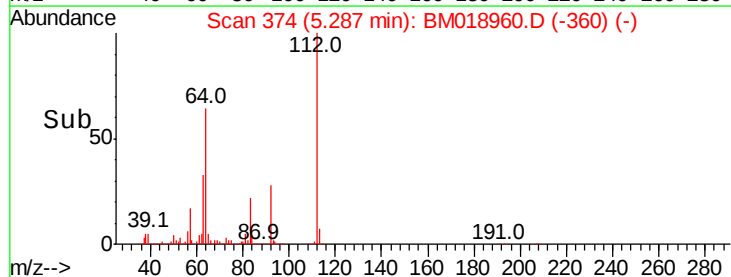
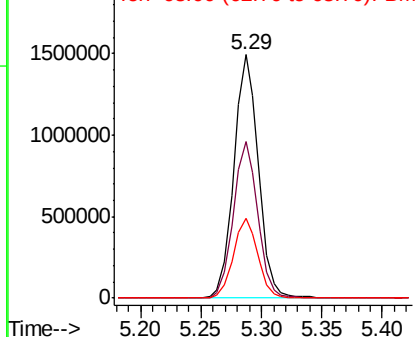
#5

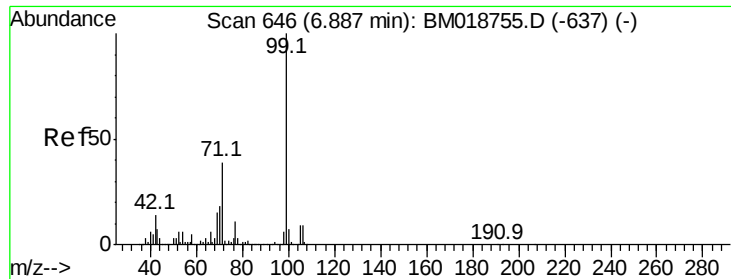
2-Fluorophenol  
Concen: 141.198 ng  
RT: 5.29 min Scan# 374  
Delta R.T. -0.02 min  
Lab File: BM018960.D  
Acq: 27 Feb 2019 21:37

Tgt Ion:112 Resp: 2111763  
Ion Ratio Lower Upper  
112 100  
64 64.3 50.6 75.8  
63 32.6 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: 129.235 ng

RT: 6.87 min Scan# 643

Delta R.T. -0.02 min

Lab File: BM018960.D

Acq: 27 Feb 2019 21:37

Instrument :

BNA\_M

ClientSampleId :

WV-D

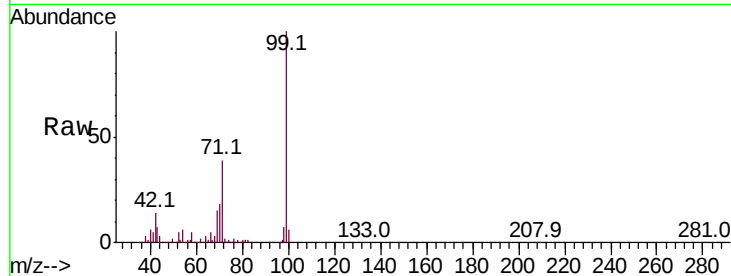
Tot Ion: 99 Resp: 2722884

Ion Ratio Lower Upper

99 100

42 13.9 11.0 16.6

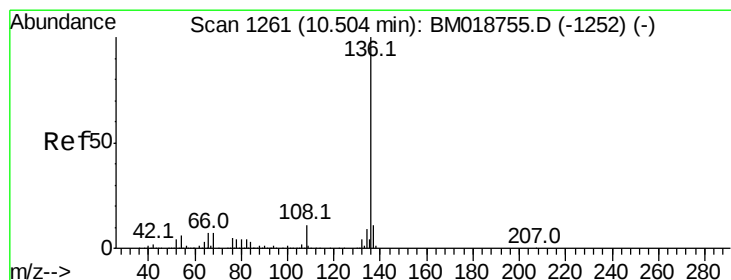
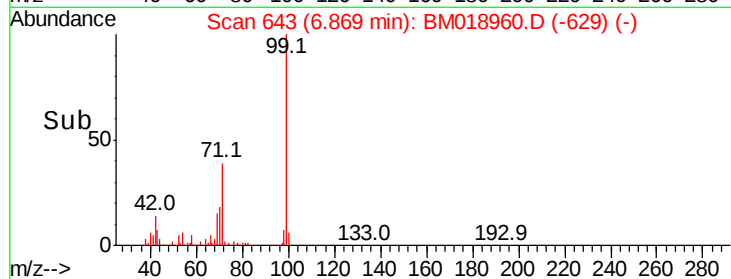
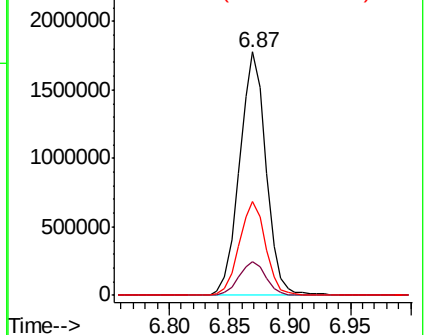
71 38.5 31.3 46.9



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: 10.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BM018960.D

Acq: 27 Feb 2019 21:37

Tgt Ion:136 Resp: 1056578

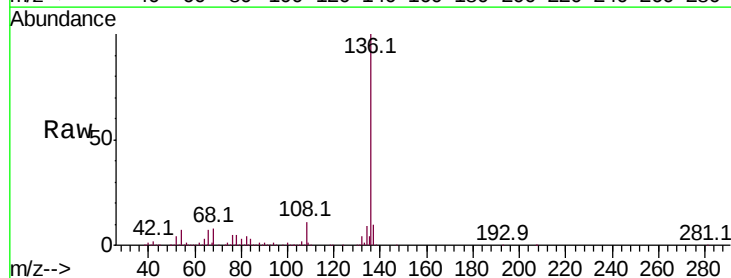
Ion Ratio Lower Upper

136 100

137 10.4 8.8 13.2

54 6.7 5.0 7.6

68 7.5 5.5 8.3

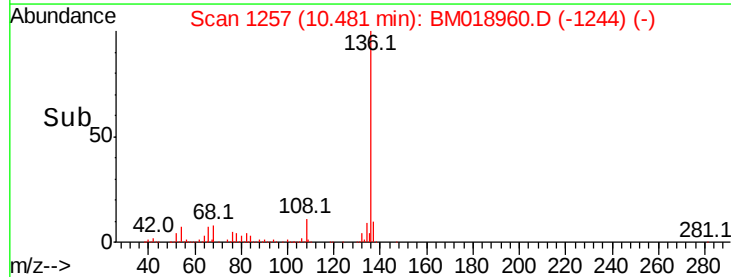
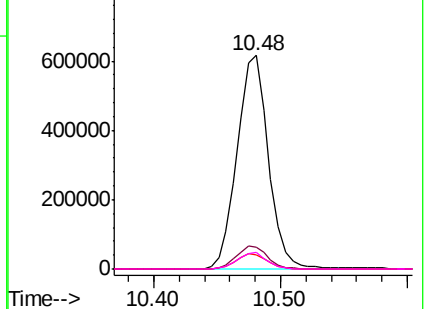


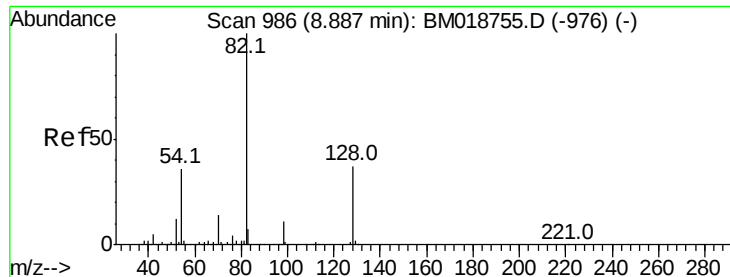
Abundance Ion 136.00 (135.70 to 136.70): BM018755.D (-1252) (-)

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: 99.301 ng

RT: 8.86 min Scan# 982

Delta R.T. -0.02 min

Lab File: BM018960.D

Acq: 27 Feb 2019 21:37

Instrument :

BNA\_M

ClientSampleId :

WV-D

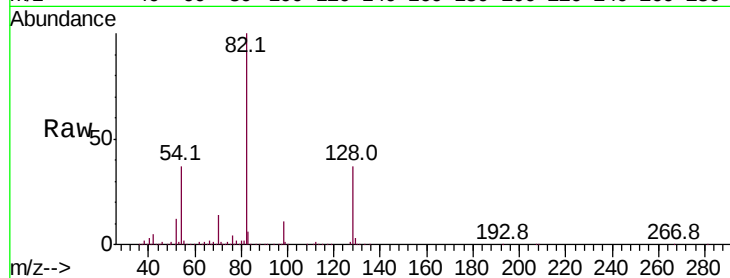
Tot Ion: 82 Resp: 2269089

Ion Ratio Lower Upper

82 100

128 37.4 29.9 44.9

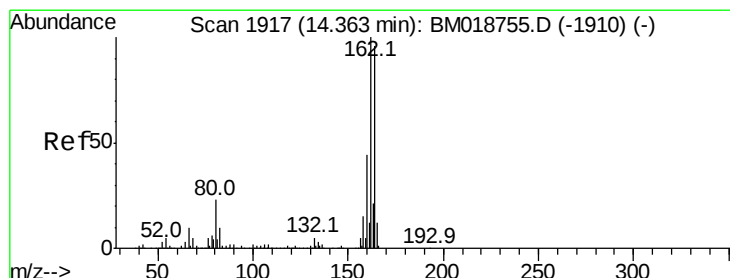
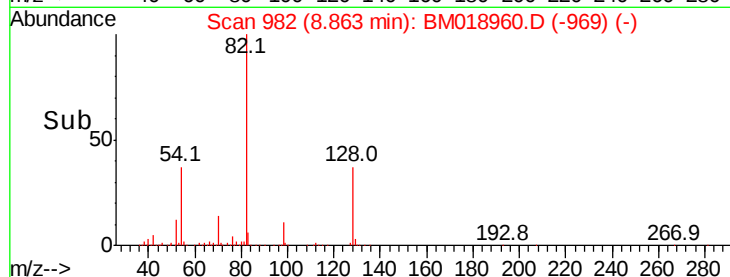
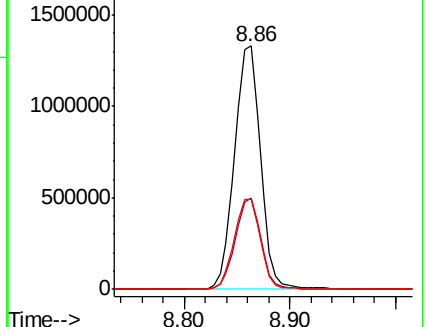
54 36.8 29.1 43.7



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: 14.34 min Scan# 1913

Delta R.T. -0.02 min

Lab File: BM018960.D

Acq: 27 Feb 2019 21:37

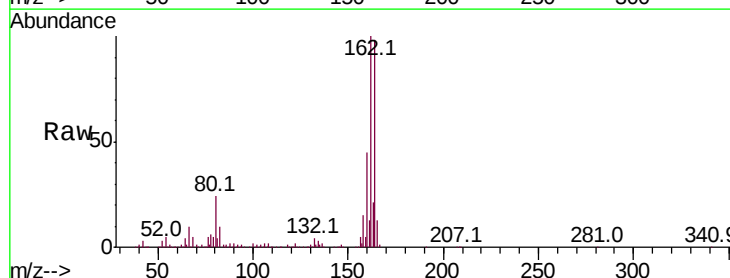
Tgt Ion:164 Resp: 655510

Ion Ratio Lower Upper

164 100

162 102.2 83.4 125.0

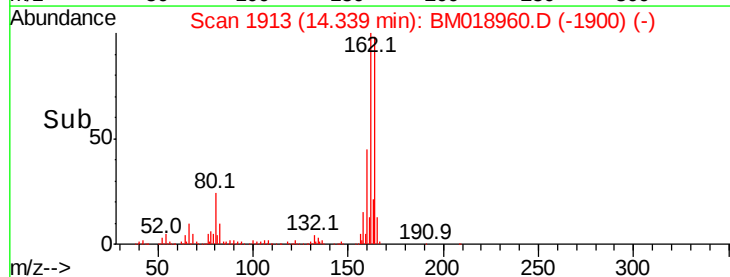
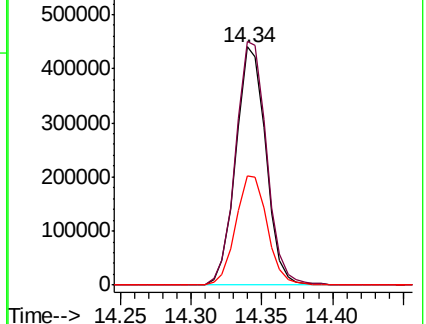
160 45.8 36.6 55.0

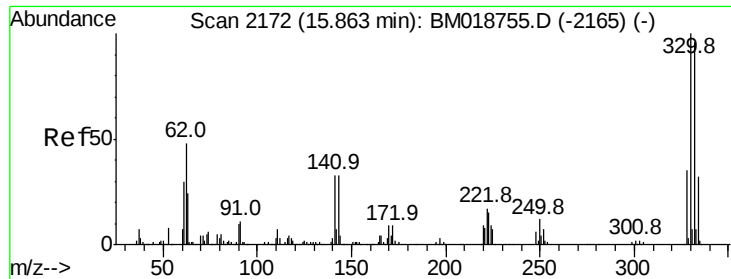


Abundance Ion 164.00 (163.70 to 164.70): BM018755.D (-1910) (-)

Ion 162.00 (161.70 to 162.70): BM018755.D (-1910) (-)

Ion 160.00 (159.70 to 160.70): BM018755.D (-1910) (-)

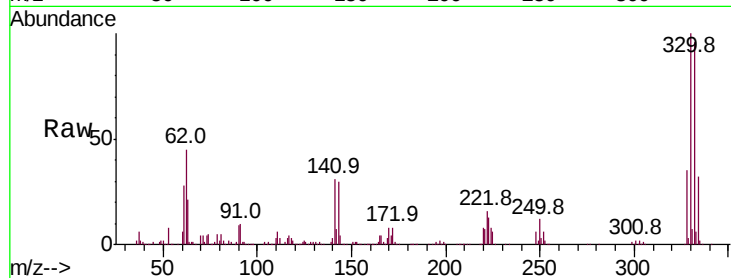




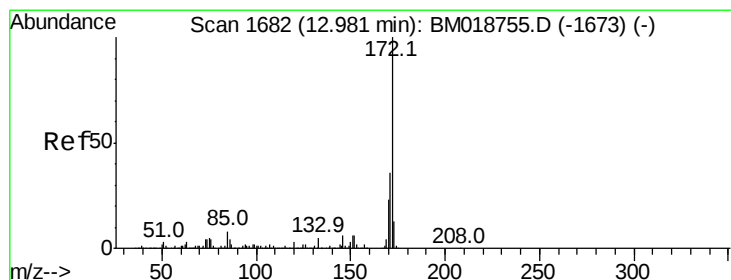
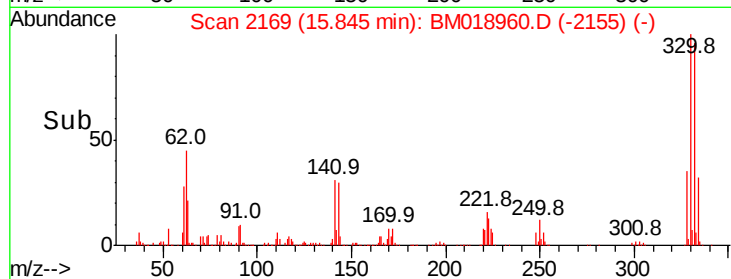
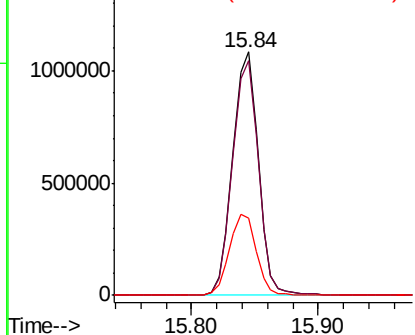
#42  
 2,4,6-Tribromophenol  
 Concen: 161.771 ng  
 RT: 15.84 min Scan# 2169  
 Delta R.T. -0.02 min  
 Lab File: BM018960.D  
 Acq: 27 Feb 2019 21:37

Instrument :  
 BNA\_M  
 ClientSampleId :  
 WV-D

Tot Ion:330 Resp: 1528571  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 76.9 115.3  
 141 34.8 28.7 43.1

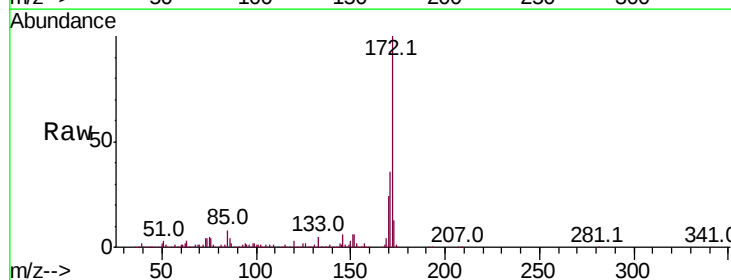


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

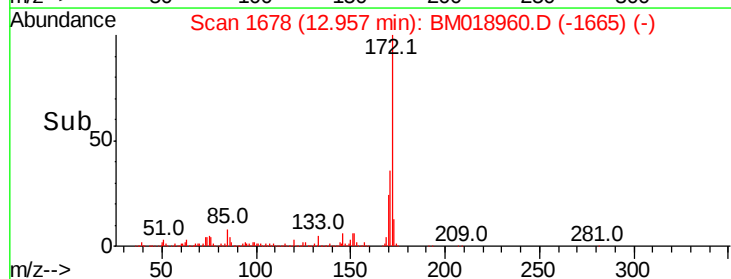
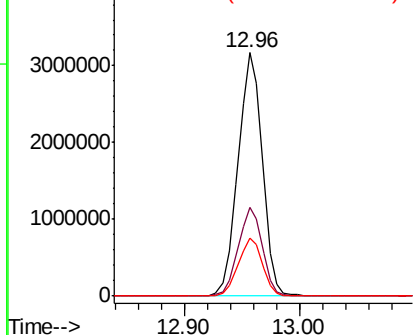


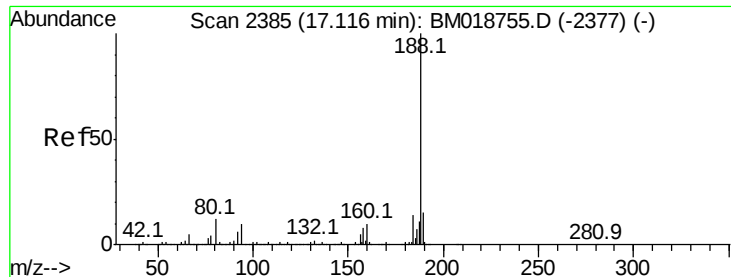
#45  
 2-Fluorobiphenyl  
 Concen: 93.542 ng  
 RT: 12.96 min Scan# 1678  
 Delta R.T. -0.02 min  
 Lab File: BM018960.D  
 Acq: 27 Feb 2019 21:37

Tgt Ion:172 Resp: 4619104  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.0 43.6  
 170 23.7 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: 17.10 min Scan# 2382

Delta R.T. -0.02 min

Lab File: BM018960.D

Acq: 27 Feb 2019 21:37

Instrument :

BNA\_M

ClientSampleId :

WV-D

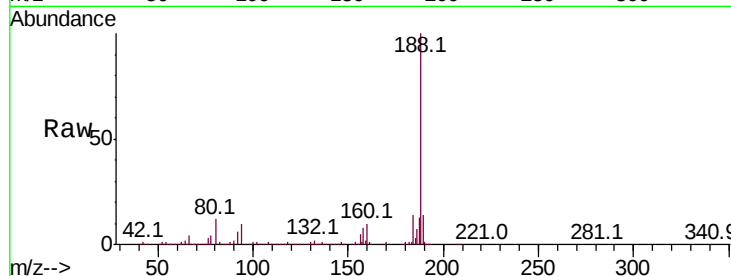
Tot Ion:188 Resp: 1524202

Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.2

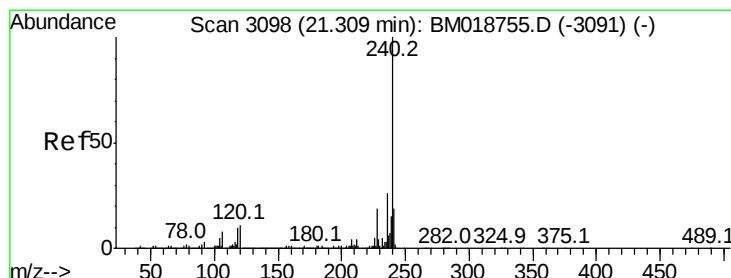
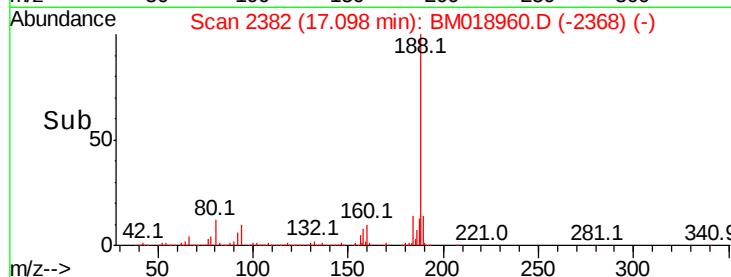
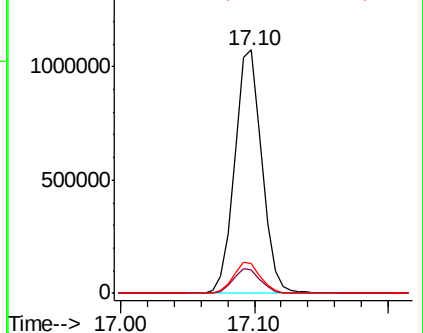
80 12.0 9.7 14.5



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: 21.29 min Scan# 3095

Delta R.T. -0.02 min

Lab File: BM018960.D

Acq: 27 Feb 2019 21:37

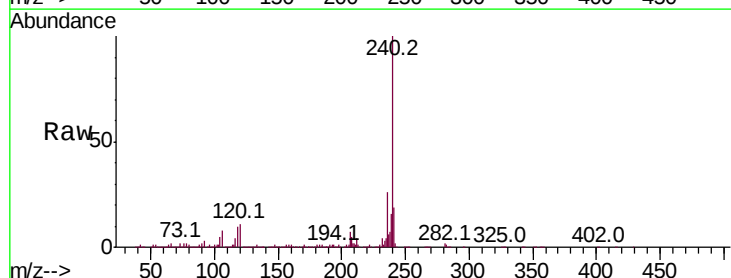
Tgt Ion:240 Resp: 1395468

Ion Ratio Lower Upper

240 100

120 11.0 8.9 13.3

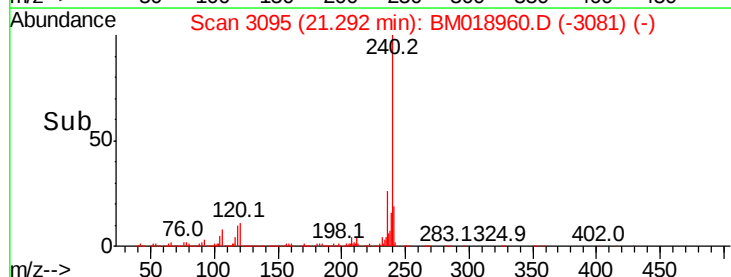
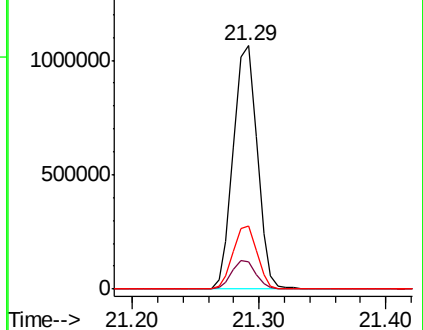
236 26.0 20.9 31.3

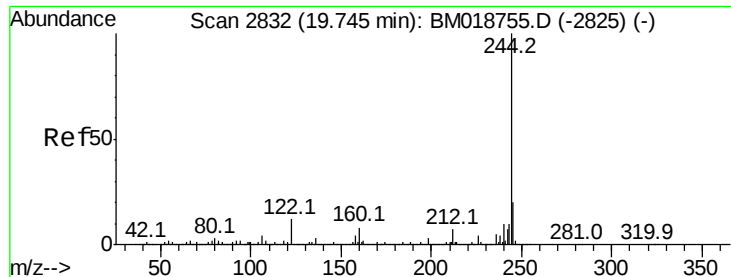


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

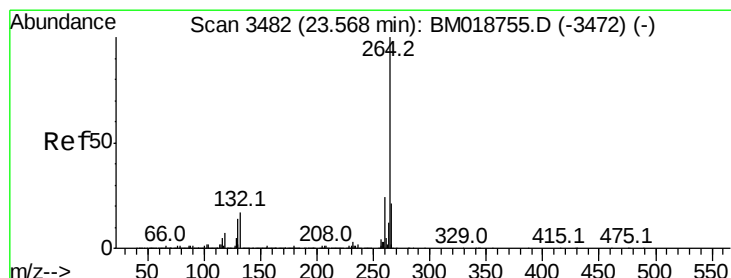
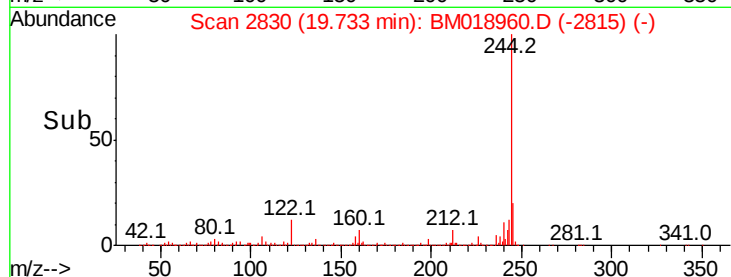
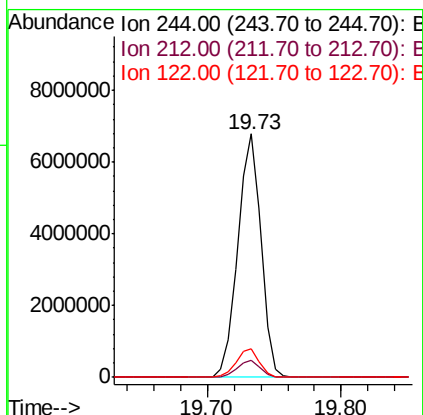
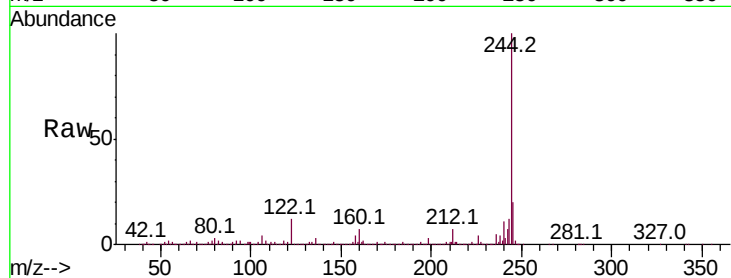




#79  
 Terphenyl-d14  
 Concen: 120.703 ng  
 RT: 19.73 min Scan# 2830  
 Delta R.T. -0.01 min  
 Lab File: BM018960.D  
 Acq: 27 Feb 2019 21:37

Instrument :  
 BNA\_M  
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 WV-D

Tot Ion:244 Resp: 8165098  
 Ion Ratio Lower Upper  
 244 100  
 212 7.1 5.6 8.4  
 122 11.6 9.3 13.9



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 23.54 min Scan# 3477  
 Delta R.T. -0.03 min  
 Lab File: BM018960.D  
 Acq: 27 Feb 2019 21:37

Tgt Ion:264 Resp: 1191226  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 18.9 28.3  
 265 22.3 17.3 25.9

