

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\  
 Data File : BF106880.D  
 Acq On : 27 Jun 2018 18:54  
 Operator : JU/SJ  
 Sample : J3242-01 5X  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-062618-A

Quant Time: Jun 28 03:32:40 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 25 18:50:17 2018  
 Response via : Initial Calibration

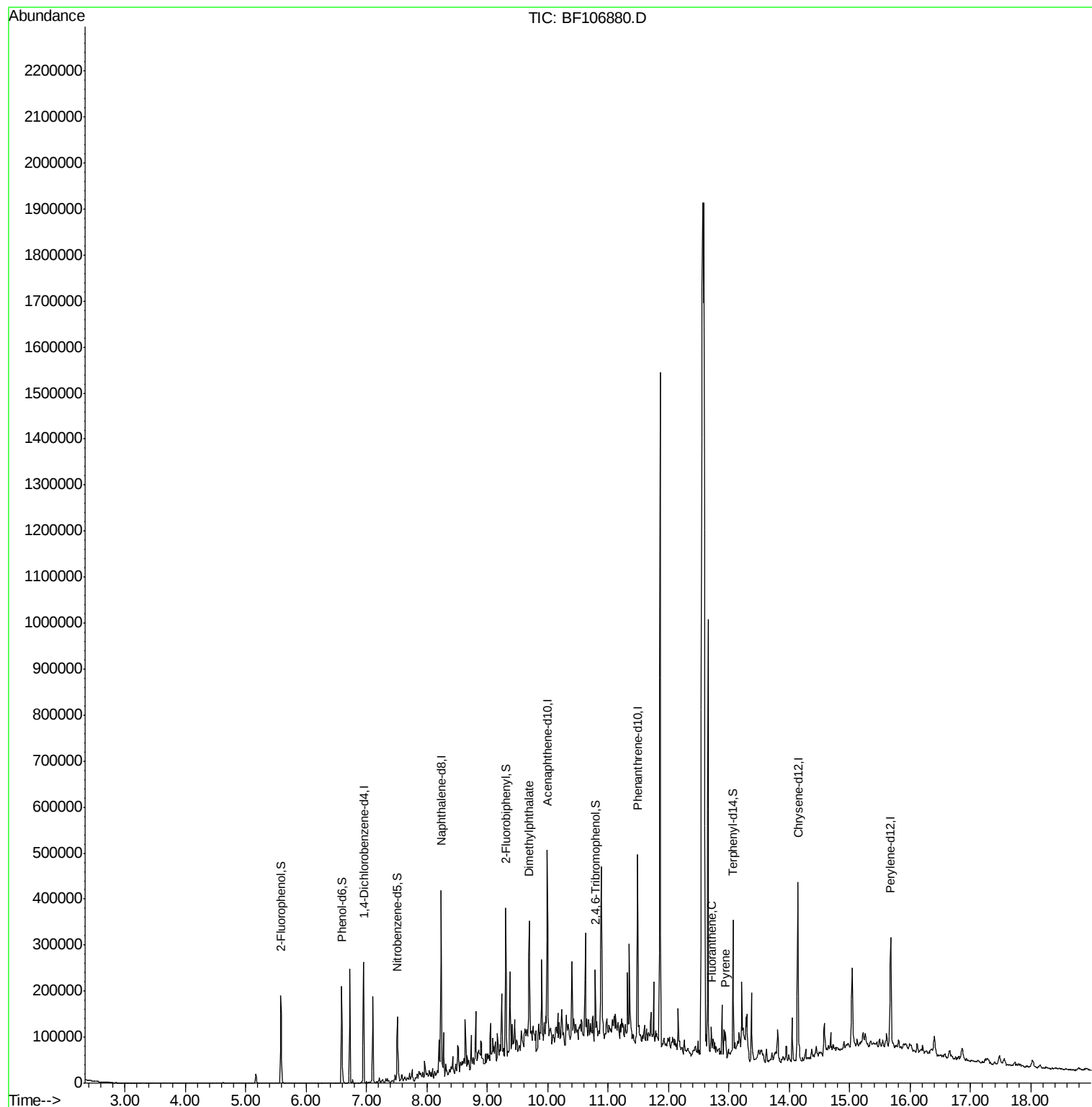
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 40732    | 20.00 | ng    | 0.00        |
| 21) Naphthalene-d8          | 8.24  | 136  | 161896   | 20.00 | ng    | -0.01       |
| 38) Acenaphthene-d10        | 10.00 | 164  | 79734    | 20.00 | ng    | -0.01       |
| 63) Phenanthrene-d10        | 11.49 | 188  | 140561   | 20.00 | ng    | -0.01       |
| 75) Chrysene-d12            | 14.14 | 240  | 135593   | 20.00 | ng    | -0.02       |
| 86) Perylene-d12            | 15.68 | 264  | 123598   | 20.00 | ng    | -0.04       |
| System Monitoring Compounds |       |      |          |       |       |             |
| 5) 2-Fluorophenol           | 5.58  | 112  | 54109    | 22.49 | ng    | -0.02       |
| 7) Phenol-d6                | 6.59  | 99   | 71042    | 23.65 | ng    | -0.02       |
| 23) Nitrobenzene-d5         | 7.51  | 82   | 41920    | 14.39 | ng    | -0.02       |
| 41) 2,4,6-Tribromophenol    | 10.79 | 330  | 19776    | 21.40 | ng    | -0.01       |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 90134    | 5.30  | ng    | -0.02       |
| 78) Terphenyl-d14           | 13.07 | 244  | 91899    | 16.42 | ng    | -0.01       |
| Target Compounds            |       |      |          |       |       |             |
| 49) Dimethylphthalate       | 9.70  | 163  | 19546    | 3.268 | ng    | Qvalue # 93 |
| 74) Fluoranthene            | 12.71 | 202  | 19309    | 2.584 | ng    | 94          |
| 77) Pyrene                  | 12.94 | 202  | 20166    | 2.255 | ng    | 99          |

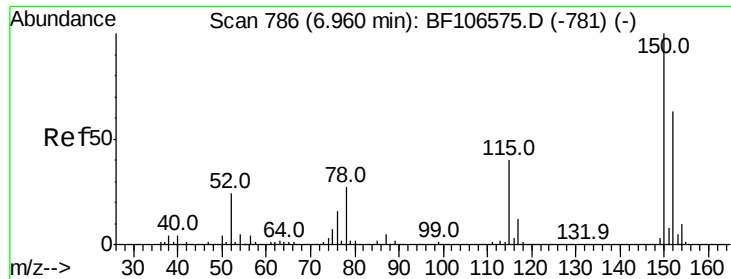
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\  
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Sample : J3242-01 5X  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-A

Quant Time: Jun 28 03:32:40 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 25 18:50:17 2018  
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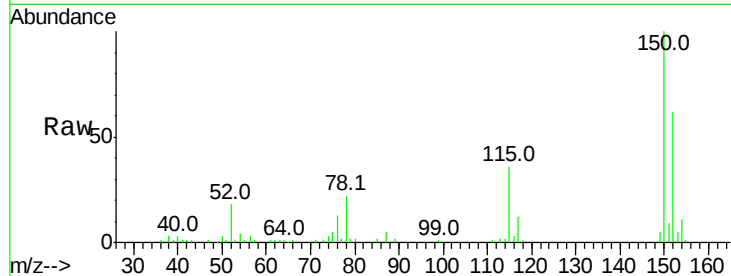


#1

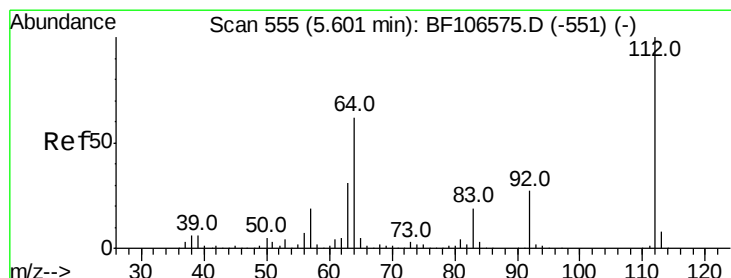
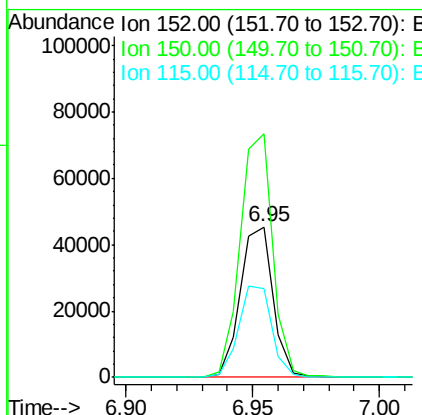
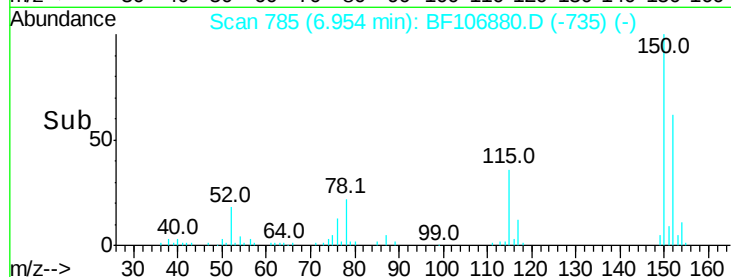
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF106880.D  
Acq: 27 Jun 2018 18:54

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-A

Tot Ion:152 Resp: 40732  
Ion Ratio Lower Upper  
152 100  
150 161.5 124.6 186.8  
115 58.5 50.1 75.1



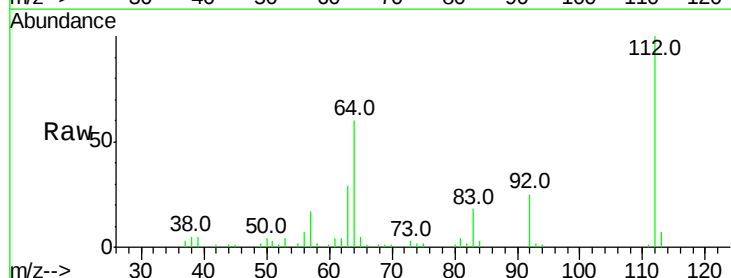
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



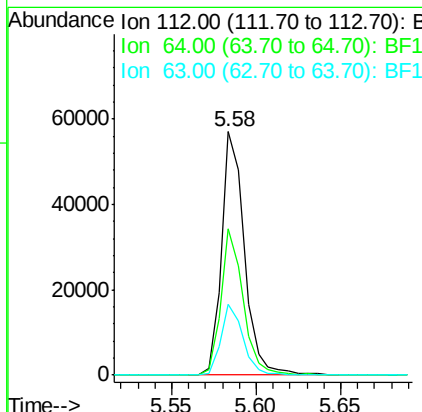
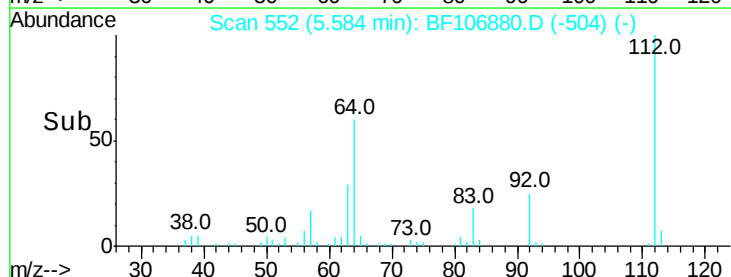
#5

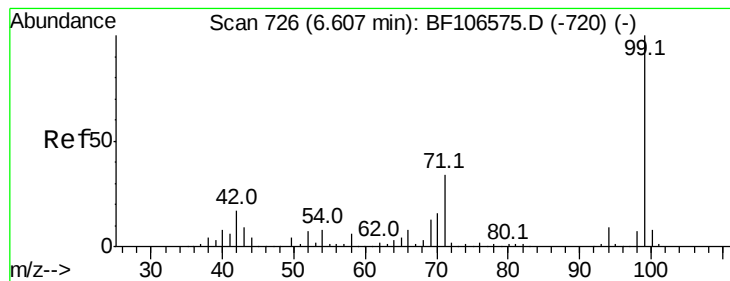
2-Fluorophenol  
Concen: 22.494 ng  
RT: 5.58 min Scan# 552  
Delta R.T. -0.02 min  
Lab File: BF106880.D  
Acq: 27 Jun 2018 18:54

Tgt Ion:112 Resp: 54109  
Ion Ratio Lower Upper  
112 100  
64 60.2 47.9 71.9  
63 29.1 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 23.650 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF106880.D

Acq: 27 Jun 2018 18:54

Instrument :

BNA\_F

ClientSampleId :

JC-02-062618-A

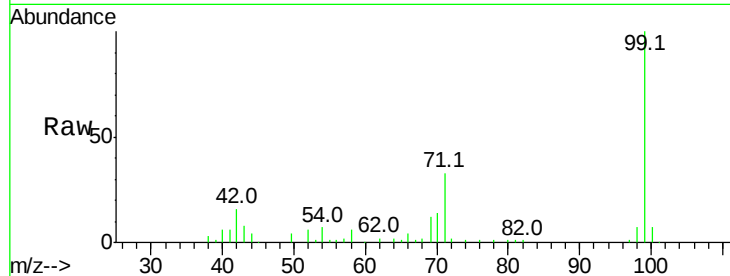
Tot Ion: 99 Resp: 71042

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

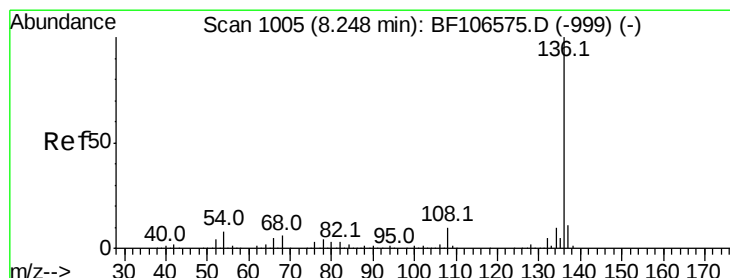
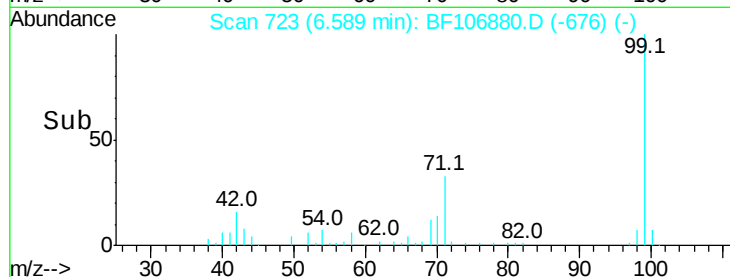
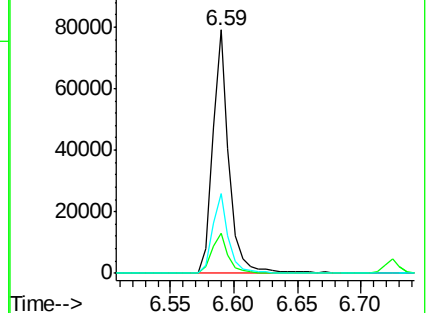
71 32.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF106880.D

Acq: 27 Jun 2018 18:54

Tgt Ion: 136 Resp: 161896

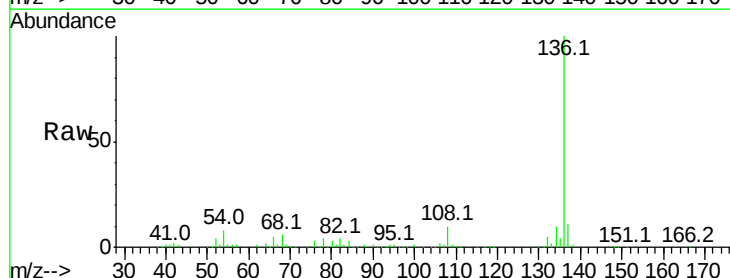
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.9 6.6 9.8

68 6.3 5.0 7.4

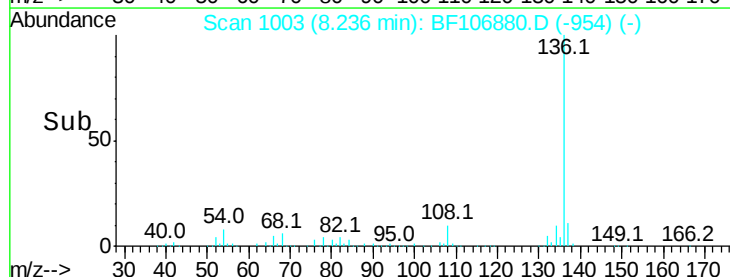
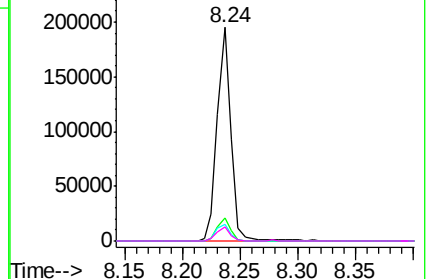


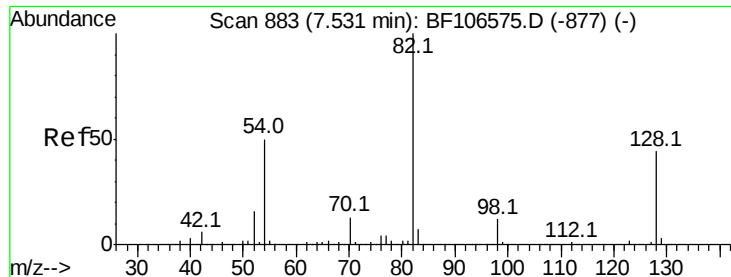
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

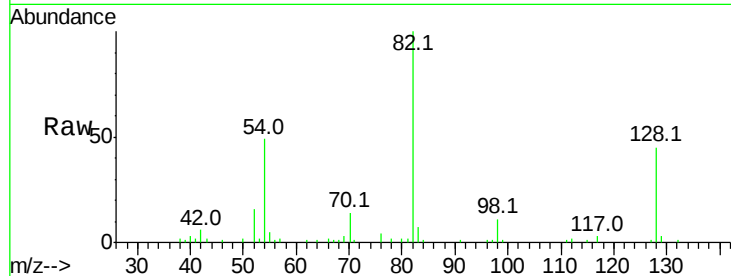




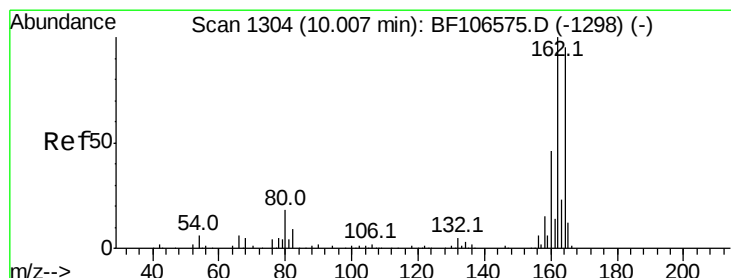
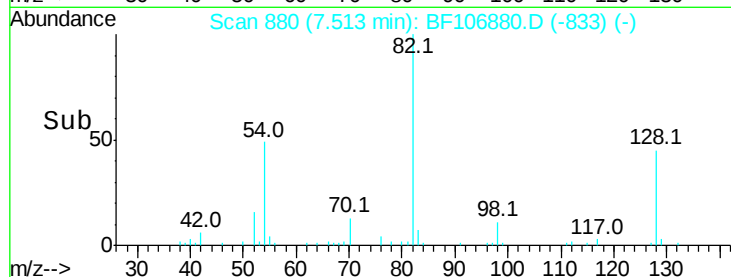
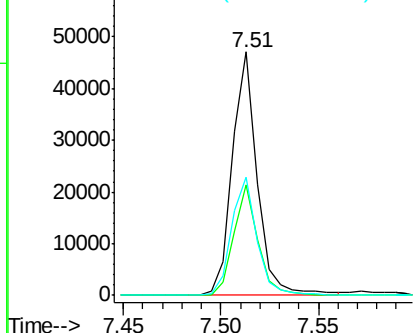
#23  
Nitrobenzene-d5  
Concen: 14.390 ng  
RT: 7.51 min Scan# 880  
Delta R.T. -0.02 min  
Lab File: BF106880.D  
Acq: 27 Jun 2018 18:54

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-A

Tot Ion: 82 Resp: 41920  
Ion Ratio Lower Upper  
82 100  
128 45.4 36.1 54.1  
54 48.7 41.4 62.2

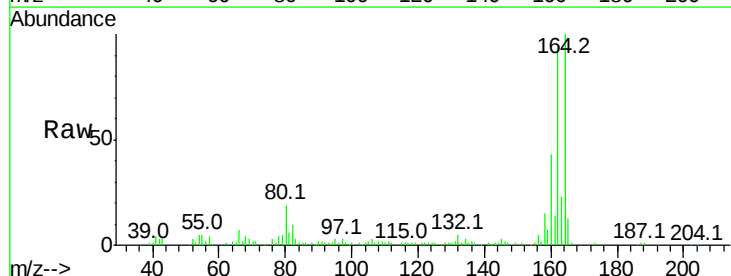


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

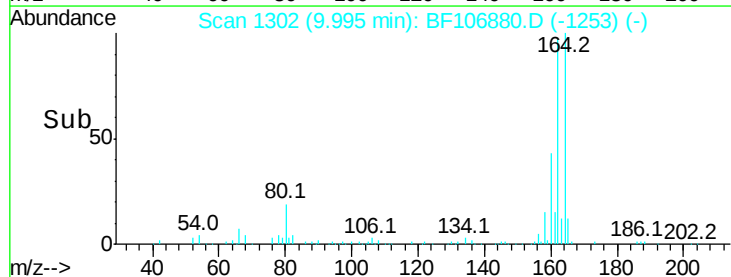
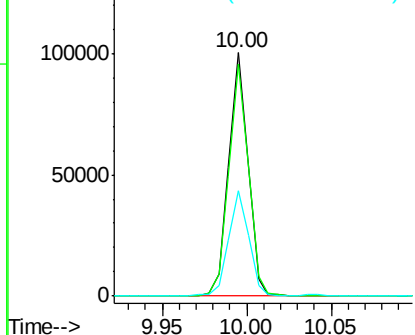


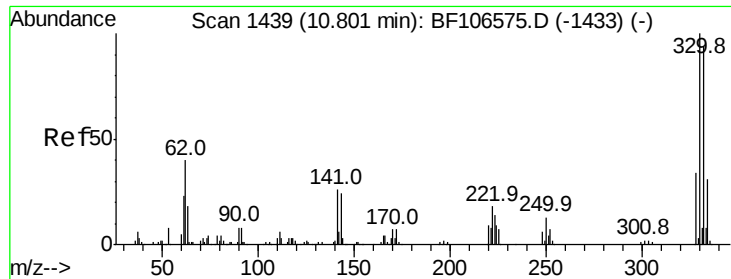
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.00 min Scan# 1302  
Delta R.T. -0.01 min  
Lab File: BF106880.D  
Acq: 27 Jun 2018 18:54

Tgt Ion:164 Resp: 79734  
Ion Ratio Lower Upper  
164 100  
162 95.4 86.1 129.1  
160 43.3 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1  
Ion 162.00 (161.70 to 162.70): BF1  
Ion 160.00 (159.70 to 160.70): BF1

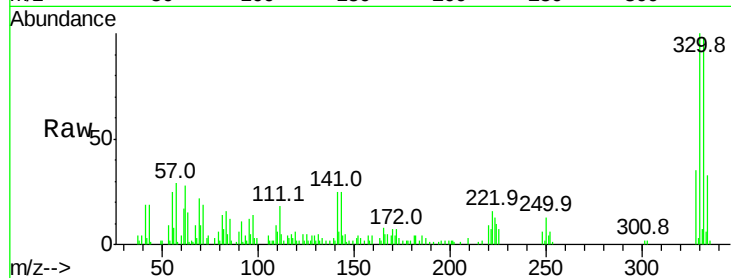




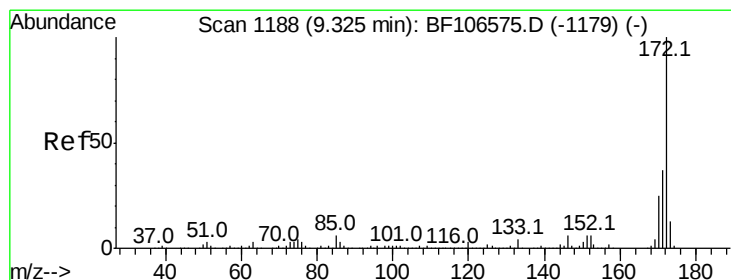
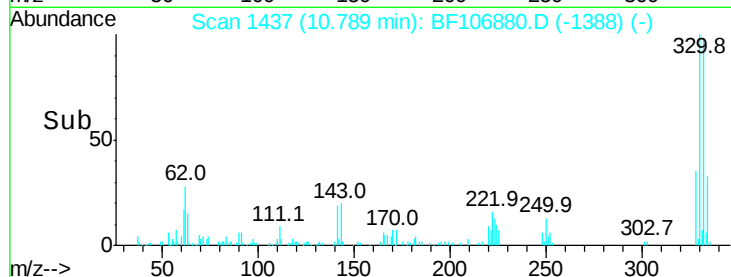
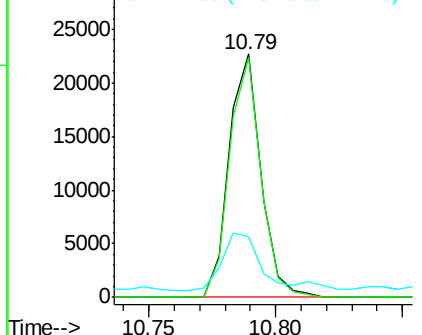
#41  
 2,4,6-Tribromophenol  
 Concen: 21.399 ng  
 RT: 10.79 min Scan# 1437  
 Delta R.T. -0.01 min  
 Lab File: BF106880.D  
 Acq: 27 Jun 2018 18:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-02-062618-A

Tot Ion:330 Resp: 19776  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 77.0 115.6  
 141 30.3 29.9 44.9

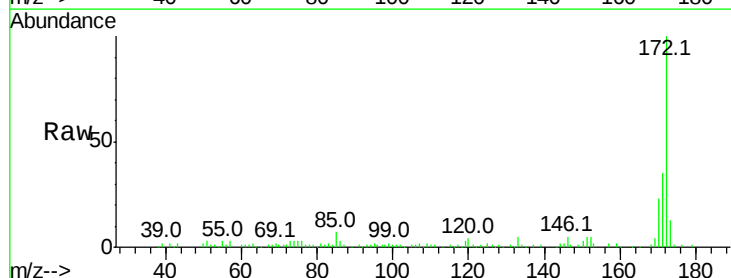


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

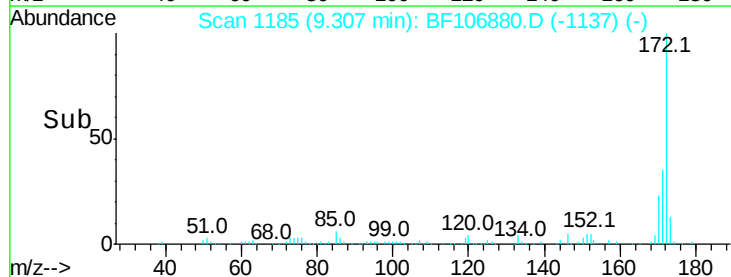
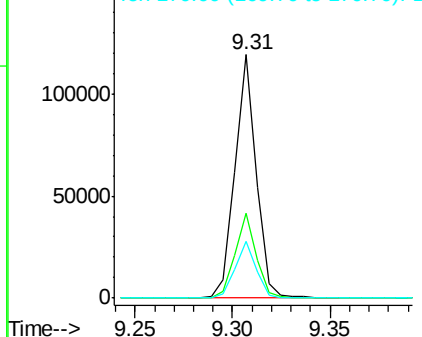


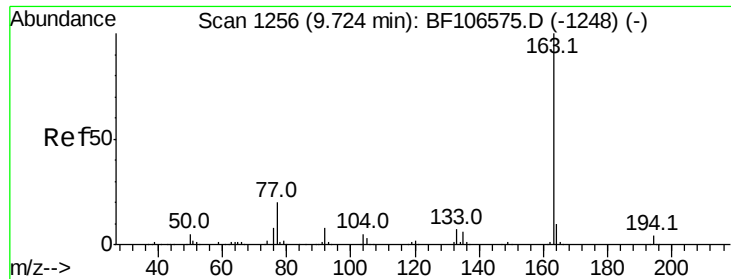
#44  
 2-Fluorobiphenyl  
 Concen: 5.303 ng  
 RT: 9.31 min Scan# 1185  
 Delta R.T. -0.02 min  
 Lab File: BF106880.D  
 Acq: 27 Jun 2018 18:54

Tgt Ion:172 Resp: 90134  
 Ion Ratio Lower Upper  
 172 100  
 171 34.6 29.7 44.5  
 170 23.3 19.6 29.4



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

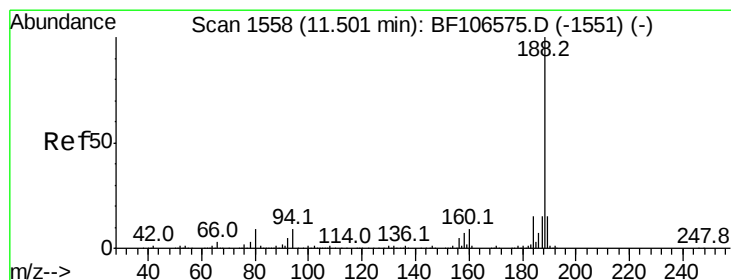
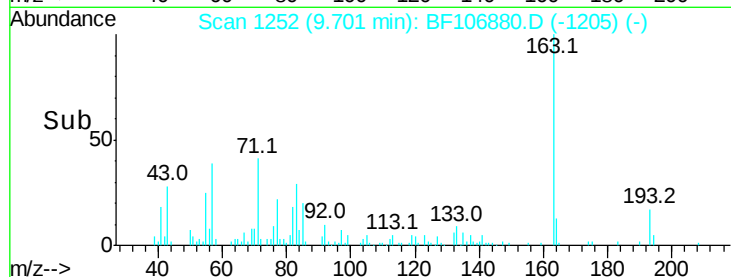
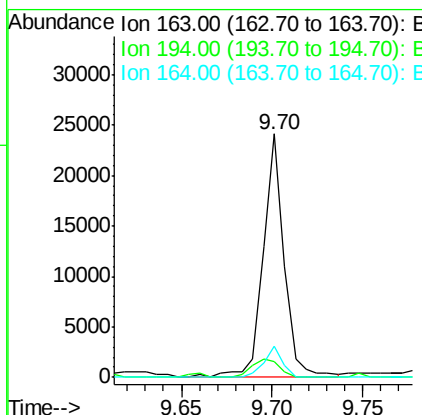
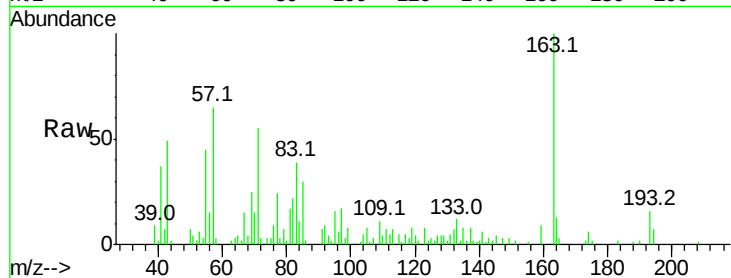




#49  
Dimethylphthalate  
Concen: 3.268 ng  
RT: 9.70 min Scan# 1252  
Delta R.T. -0.02 min  
Lab File: BF106880.D  
Acq: 27 Jun 2018 18:54

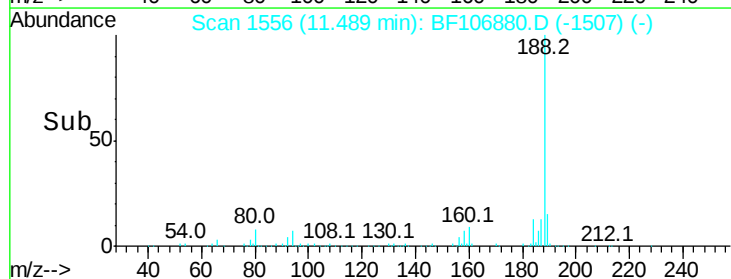
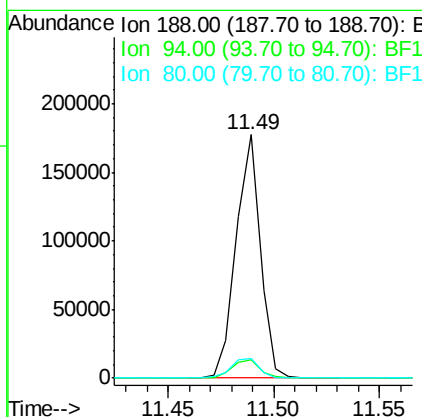
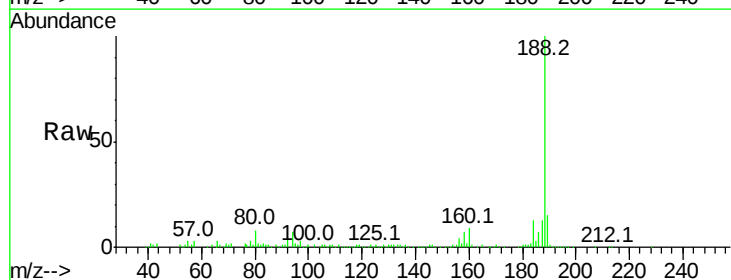
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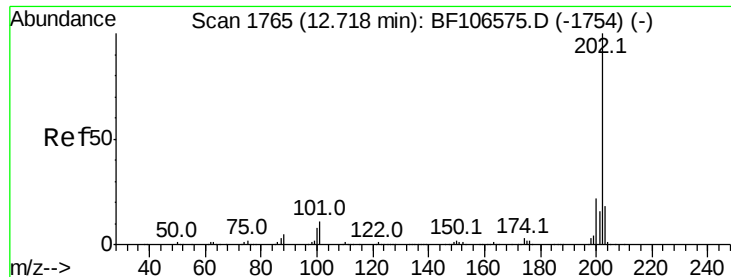
Tot Ion:163 Resp: 19546  
Ion Ratio Lower Upper  
163 100  
194 6.7 2.7 4.1#  
164 12.6 8.2 12.2#



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF106880.D  
Acq: 27 Jun 2018 18:54

Tgt Ion:188 Resp: 140561  
Ion Ratio Lower Upper  
188 100  
94 7.3 8.5 12.7#  
80 8.0 9.2 13.8#





#74

Fluoranthene

Concen: 2.584 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF106880.D

Acq: 27 Jun 2018 18:54

Instrument :

BNA\_F

ClientSampleId :

JC-02-062618-A

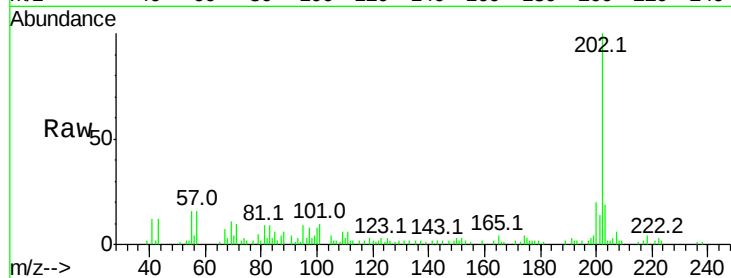
Tot Ion:202 Resp: 19309

Ion Ratio Lower Upper

202 100

101 9.9 0.0 34.1

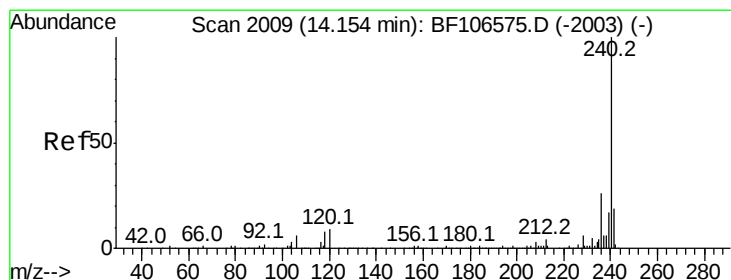
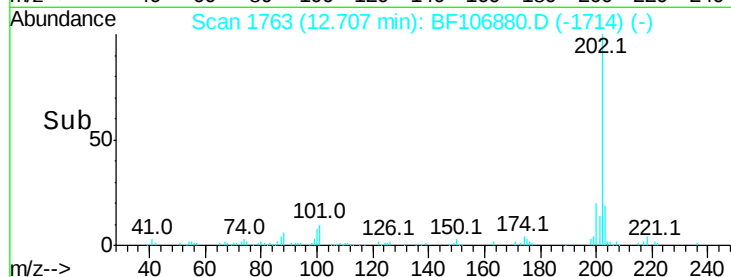
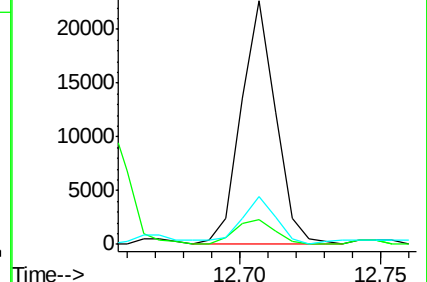
203 19.4 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF106880.D

Acq: 27 Jun 2018 18:54

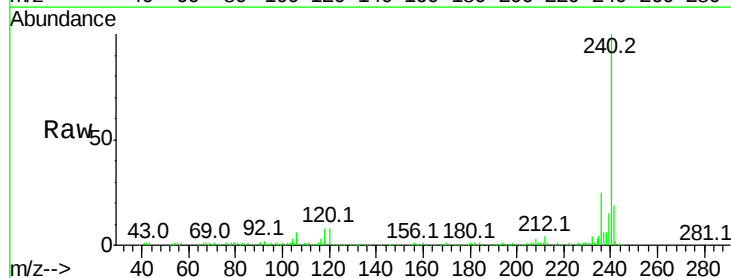
Tgt Ion:240 Resp: 135593

Ion Ratio Lower Upper

240 100

120 8.2 9.5 14.3#

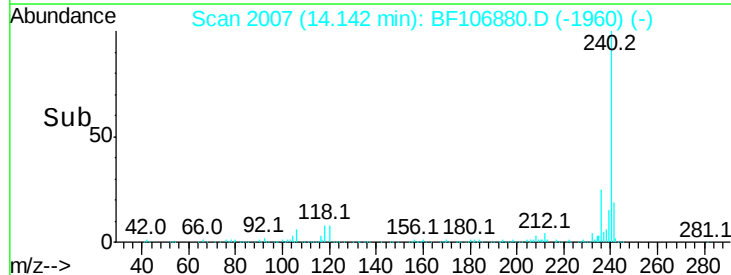
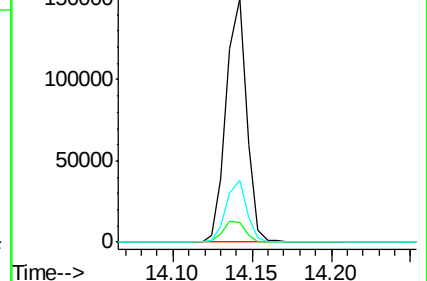
236 25.2 20.7 31.1

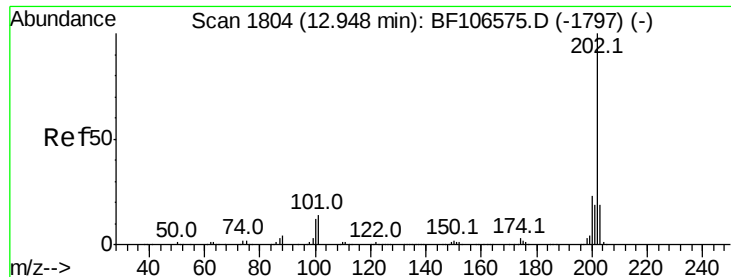


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.255 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF106880.D

Acq: 27 Jun 2018 18:54

Instrument :

BNA\_F

ClientSampleId :

JC-02-062618-A

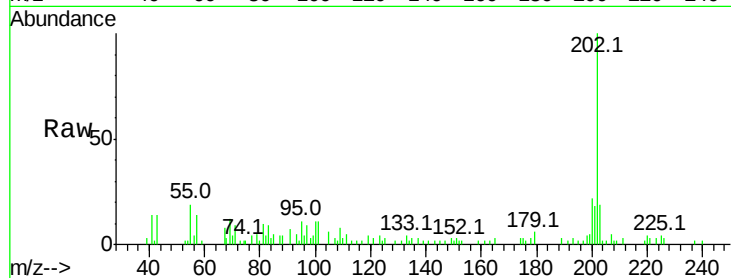
Tot Ion:202 Resp: 20166

Ion Ratio Lower Upper

202 100

200 21.7 17.4 26.2

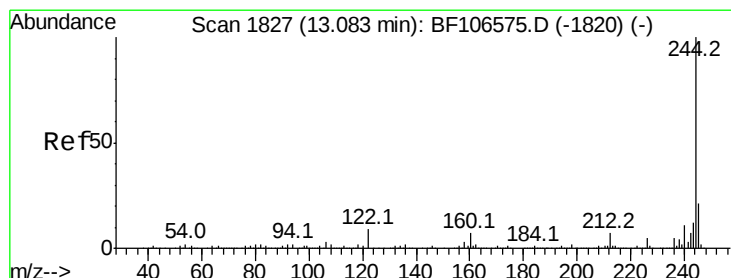
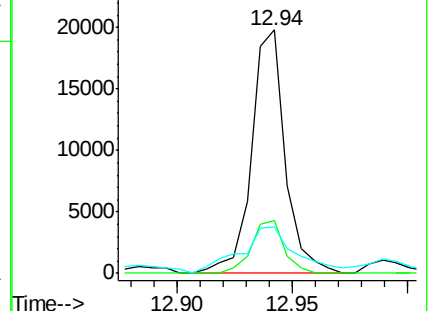
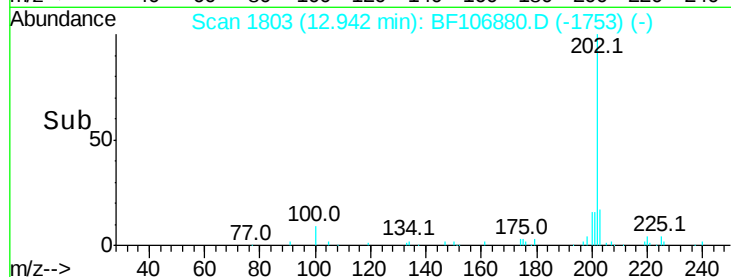
203 19.1 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 16.417 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF106880.D

Acq: 27 Jun 2018 18:54

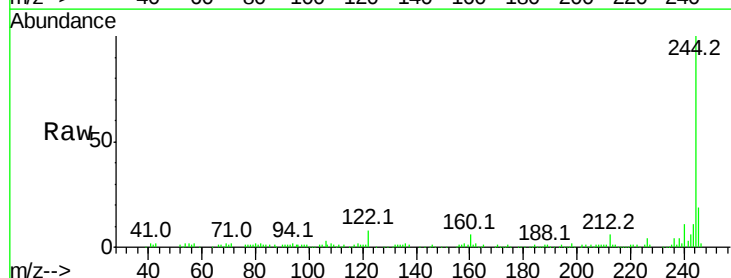
Tgt Ion:244 Resp: 91899

Ion Ratio Lower Upper

244 100

212 6.0 5.4 8.0

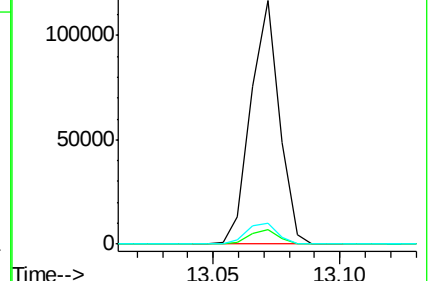
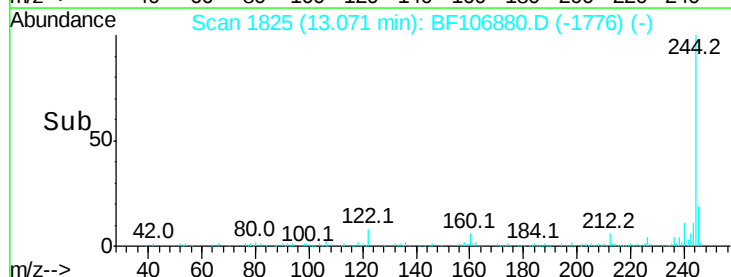
122 8.5 11.0 16.4#

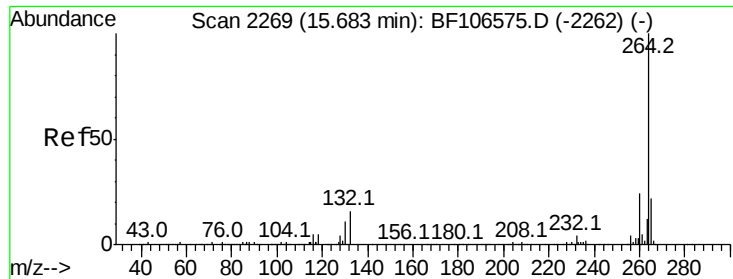


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.68 min Scan# 2268  
Delta R.T. -0.04 min  
Lab File: BF106880.D  
Acq: 27 Jun 2018 18:54

Instrument :  
BNA\_F  
ClientSampleId :  
JC-02-062618-A

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 19.2  | 28.8  |
| 265     | 21.8  | 17.5  | 26.3  |

