

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062818\  
 Data File : BF106920.D  
 Acq On : 28 Jun 2018 15:03  
 Operator : JU/SJ  
 Sample : J3570-04RE  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20180374-AMENDED-COMPOSITE-

Quant Time: Jun 28 17:32:29 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

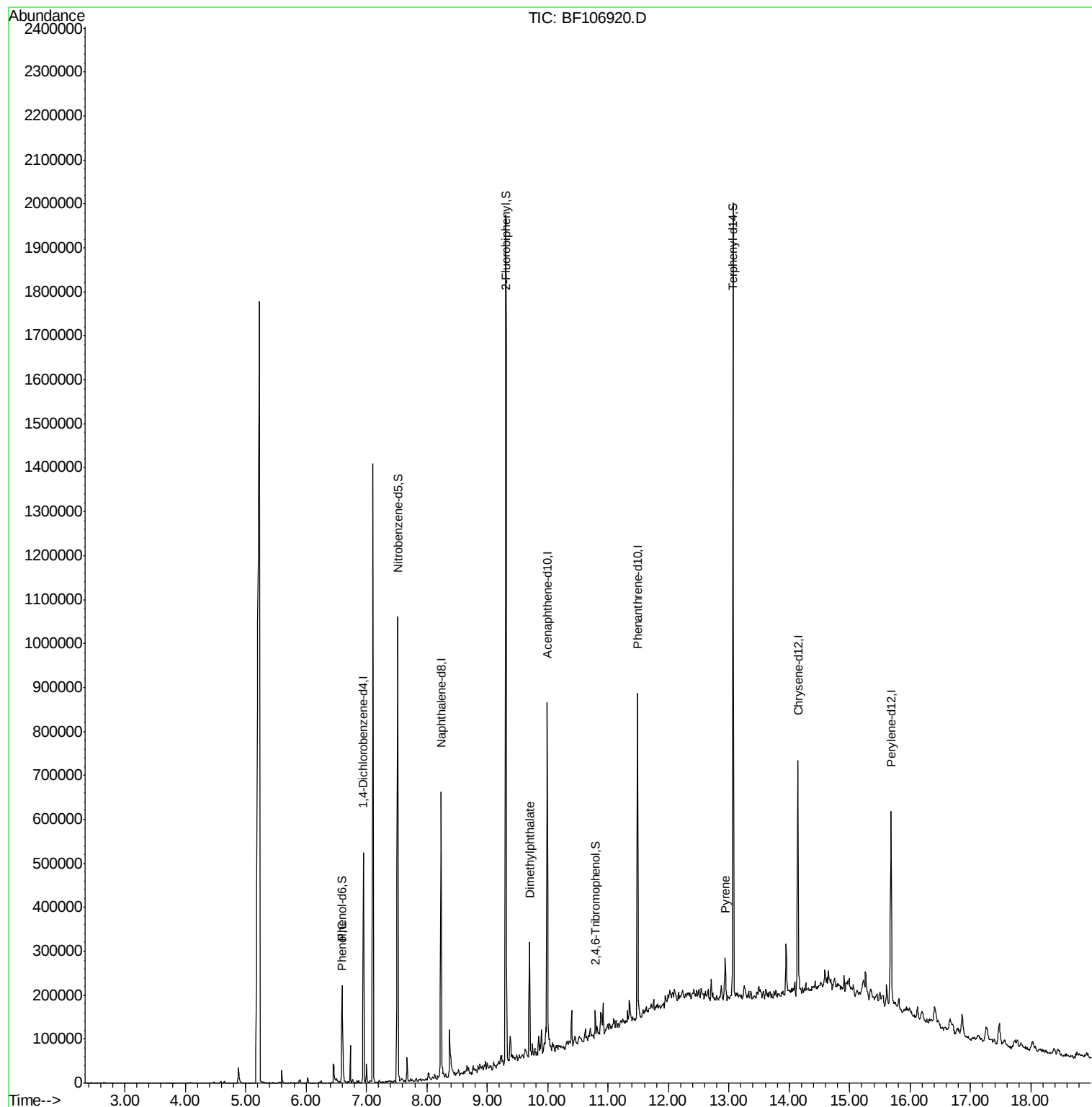
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.95  | 152  | 80197    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 305023   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10        | 10.00 | 164  | 158628   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.49 | 188  | 298663   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 14.14 | 240  | 203089   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12            | 15.68 | 264  | 223586   | 20.00 | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 8926     | 1.88  | ng    | 0.00     |
| 7) Phenol-d6                | 6.60  | 99   | 81569    | 13.79 | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 372865   | 67.93 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.79 | 330  | 6784     | 3.69  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 678833   | 69.80 | ng    | -0.02    |
| 78) Terphenyl-d14           | 13.07 | 244  | 638975   | 76.21 | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 6.61  | 94   | 13604    | 2.015 | ng    | 92       |
| 49) Dimethylphthalate       | 9.70  | 163  | 101488   | 8.530 | ng    | 99       |
| 77) Pyrene                  | 12.94 | 202  | 33918    | 2.533 | ng    | 98       |

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

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Response via : Initial Calibration



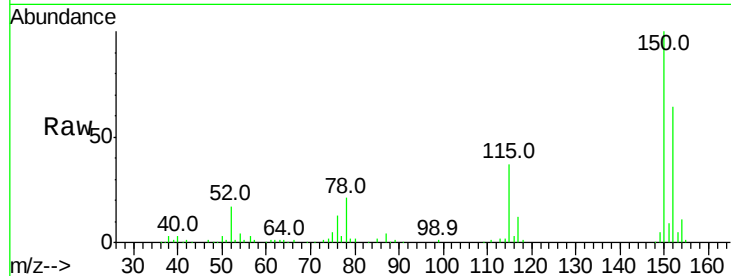


#1

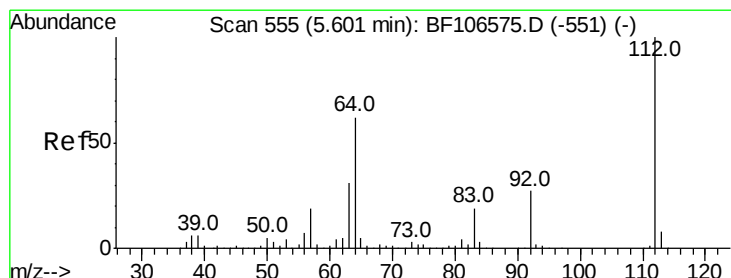
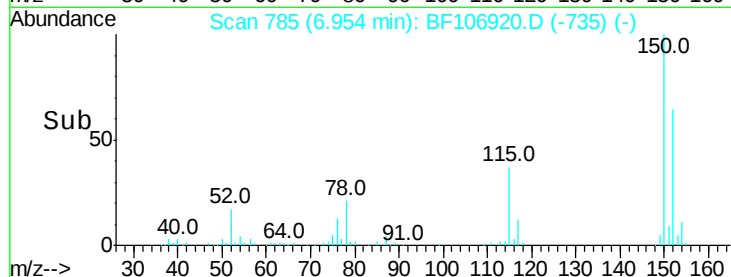
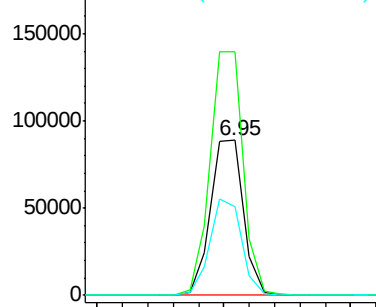
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF106920.D  
Acq: 28 Jun 2018 15:03

Instrument :  
BNA\_F  
ClientSampleId :  
20180374-AMENDED-COMPOSITE-

Tot Ion:152 Resp: 80197  
Ion Ratio Lower Upper  
152 100  
150 156.7 124.6 186.8  
115 57.3 50.1 75.1



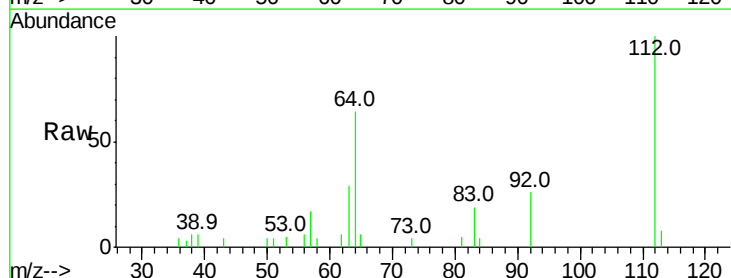
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



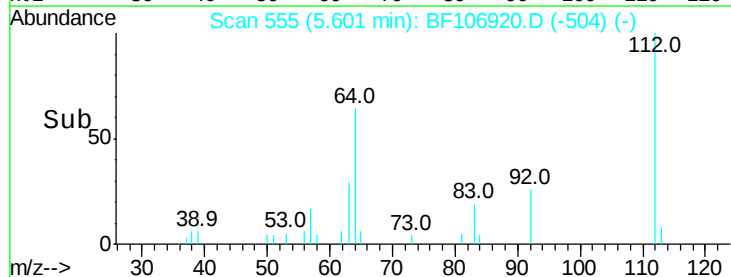
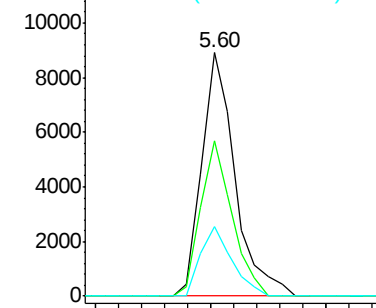
#5

2-Fluorophenol  
Concen: 1.885 ng  
RT: 5.60 min Scan# 555  
Delta R.T. -0.00 min  
Lab File: BF106920.D  
Acq: 28 Jun 2018 15:03

Tgt Ion:112 Resp: 8926  
Ion Ratio Lower Upper  
112 100  
64 63.7 47.9 71.9  
63 28.8 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: 13.791 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF106920.D

Acq: 28 Jun 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

20180374-AMENDED-COMPOSITE-

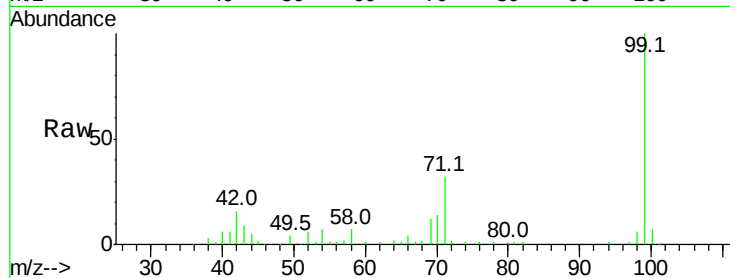
Tot Ion: 99 Resp: 81569

Ion Ratio Lower Upper

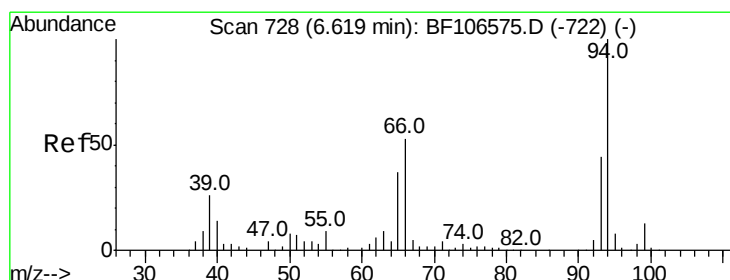
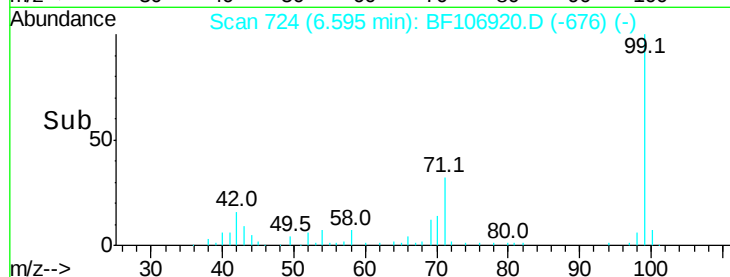
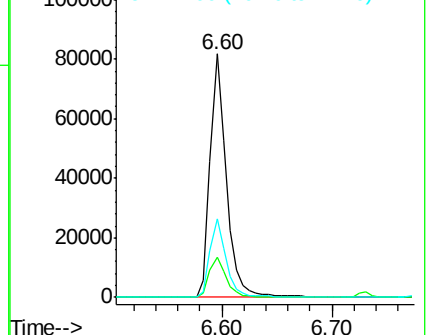
99 100

42 16.4 14.5 21.7

71 32.1 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



#10

Phenol

Concen: 2.015 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF106920.D

Acq: 28 Jun 2018 15:03

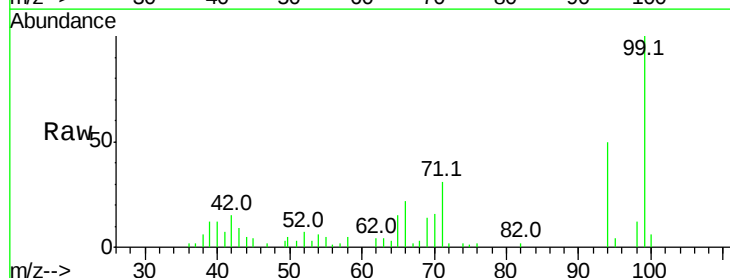
Tgt Ion: 94 Resp: 13604

Ion Ratio Lower Upper

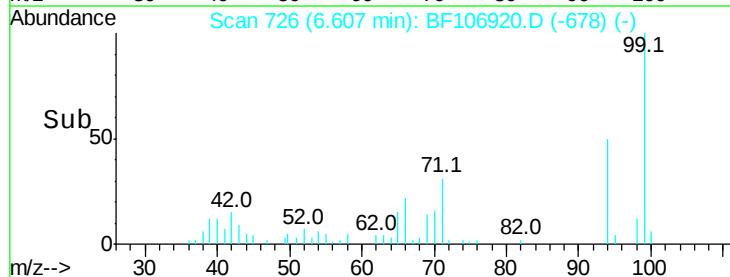
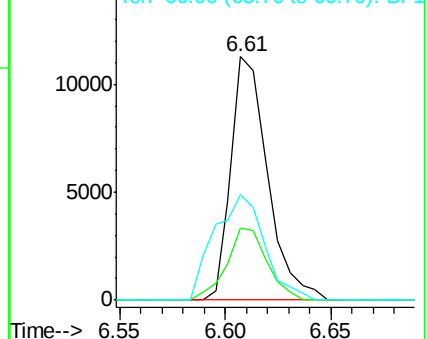
94 100

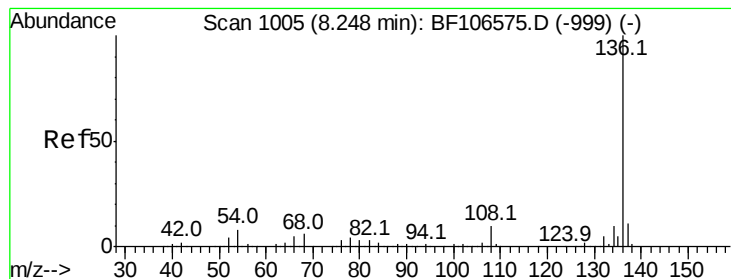
65 29.6 7.9 47.9

66 43.5 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF106920.D

Acq: 28 Jun 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

20180374-AMENDED-COMPOSITE-

Tot Ion:136 Resp: 305023

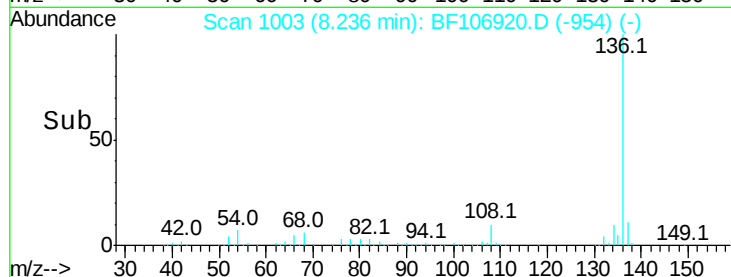
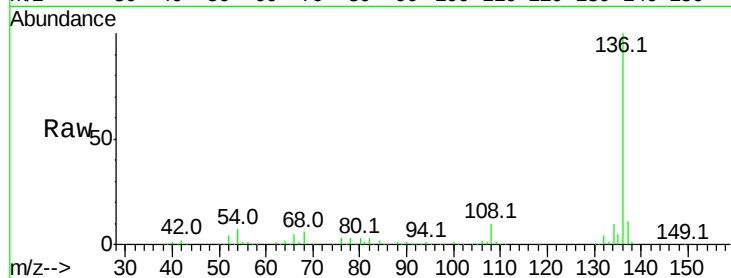
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.4 6.6 9.8

68 5.6 5.0 7.4

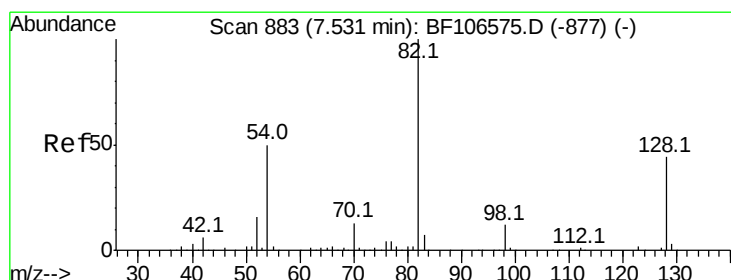
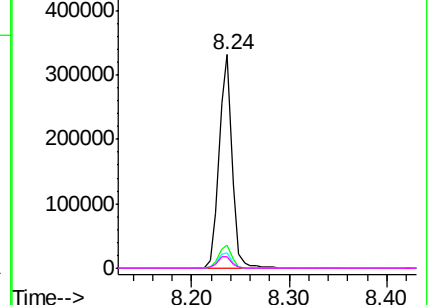


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.934 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.02 min

Lab File: BF106920.D

Acq: 28 Jun 2018 15:03

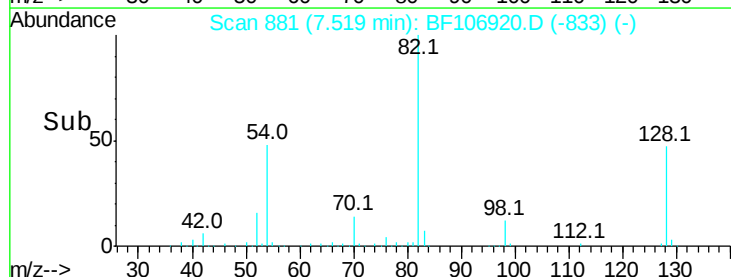
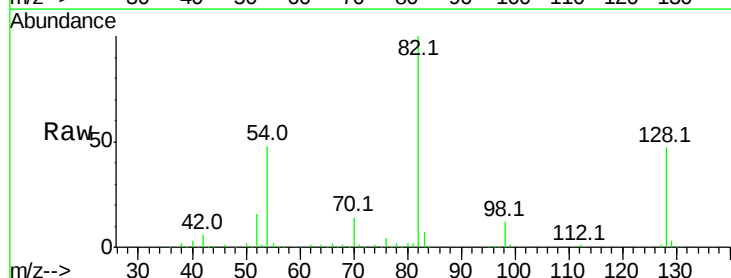
Tgt Ion: 82 Resp: 372865

Ion Ratio Lower Upper

82 100

128 46.6 36.1 54.1

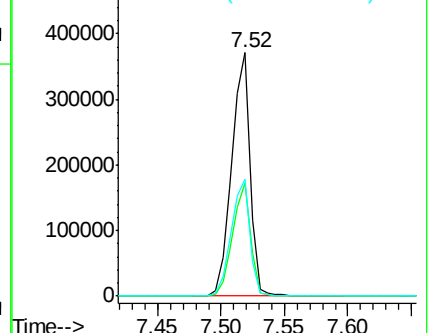
54 47.9 41.4 62.2

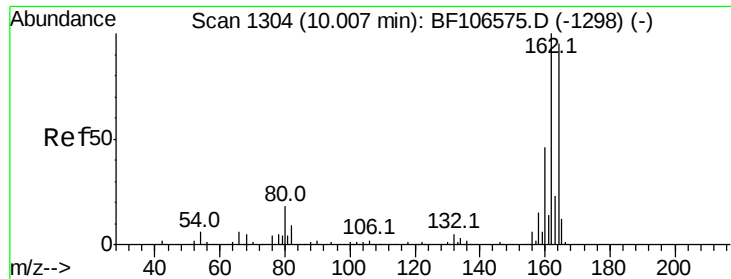


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

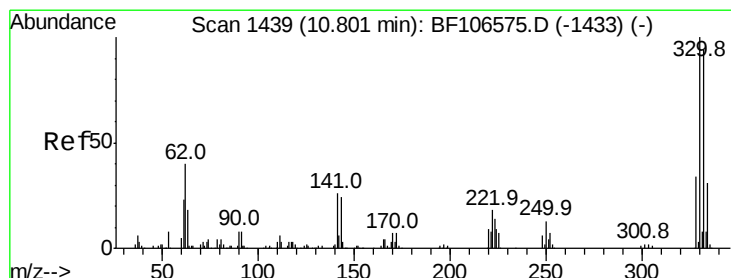
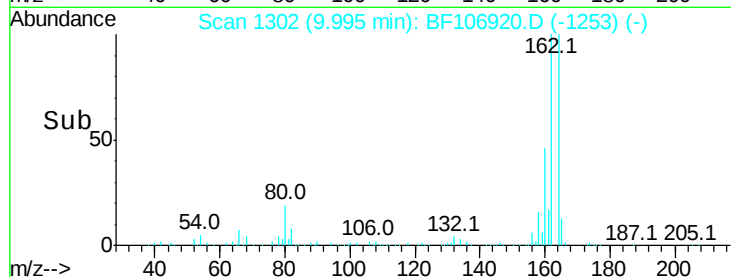
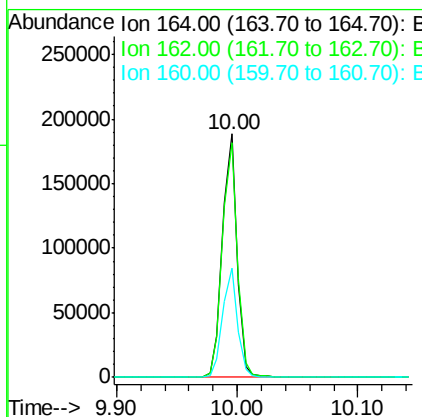
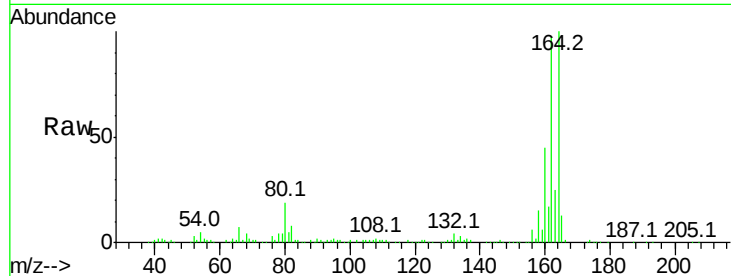




#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.00 min Scan# 1302  
Delta R.T. -0.01 min  
Lab File: BF106920.D  
Acq: 28 Jun 2018 15:03

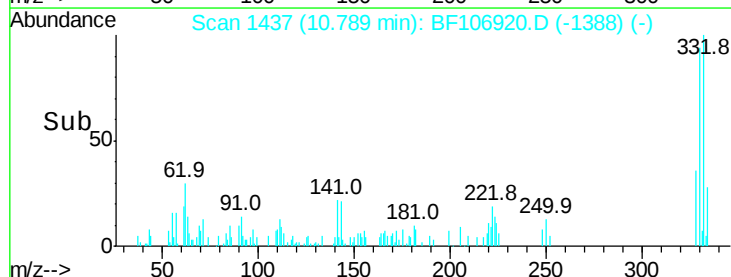
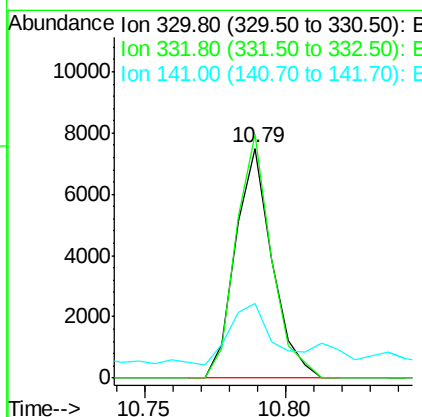
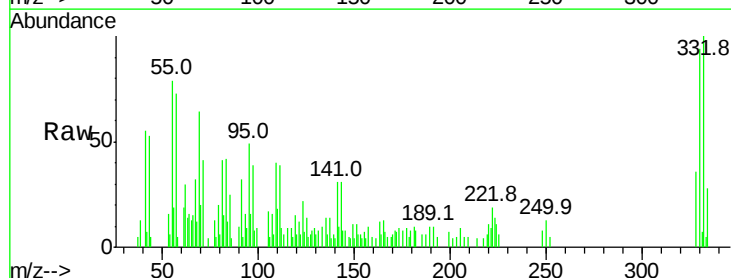
Instrument :  
BNA\_F  
ClientSampleId :  
20180374-AMENDED-COMPOSITE-

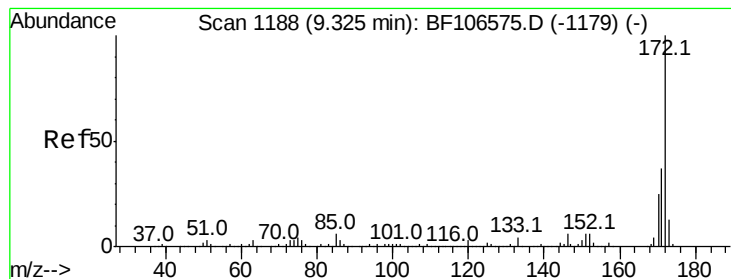
Tot Ion:164 Resp: 158628  
Ion Ratio Lower Upper  
164 100  
162 96.6 86.1 129.1  
160 45.0 38.3 57.5



#41  
2,4,6-Tribromophenol  
Concen: 3.690 ng  
RT: 10.79 min Scan# 1437  
Delta R.T. -0.01 min  
Lab File: BF106920.D  
Acq: 28 Jun 2018 15:03

Tgt Ion:330 Resp: 6784  
Ion Ratio Lower Upper  
330 100  
332 102.2 77.0 115.6  
141 28.4 29.9 44.9#





#44

2-Fluorobiphenyl

Concen: 69.796 ng

RT: 9.31 min Scan# 1185

Delta R.T. -0.02 min

Lab File: BF106920.D

Acq: 28 Jun 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

20180374-AMENDED-COMPOSITE-

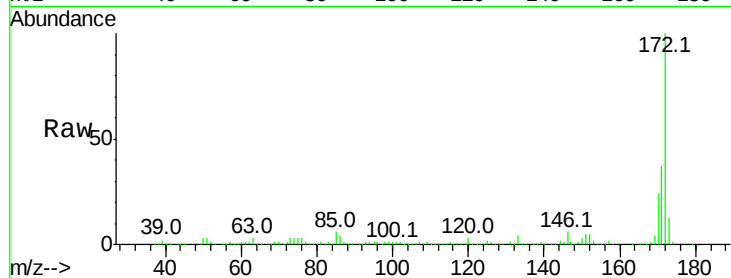
Tot Ion:172 Resp: 678833

Ion Ratio Lower Upper

172 100

171 36.8 29.7 44.5

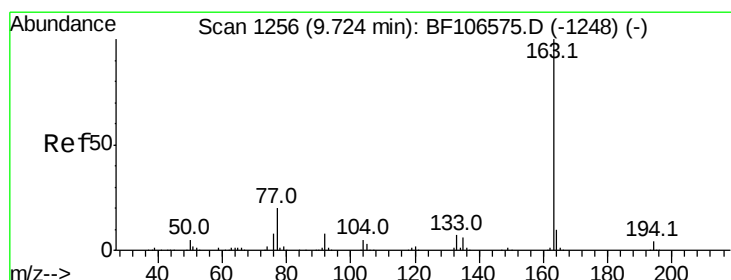
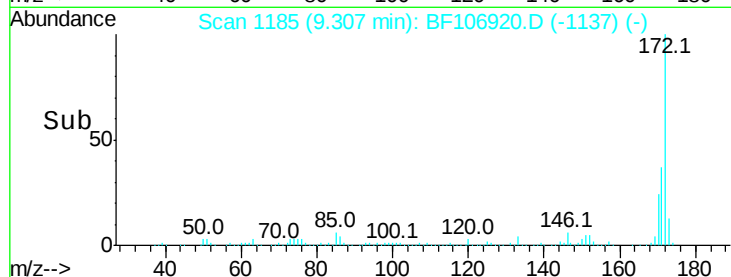
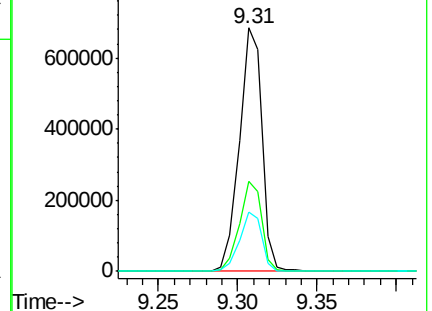
170 24.3 19.6 29.4



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: 8.530 ng

RT: 9.70 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF106920.D

Acq: 28 Jun 2018 15:03

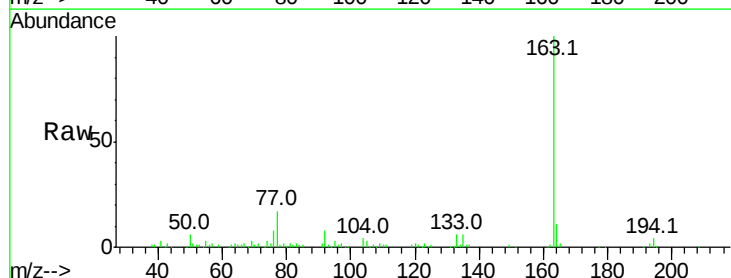
Tgt Ion:163 Resp: 101488

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

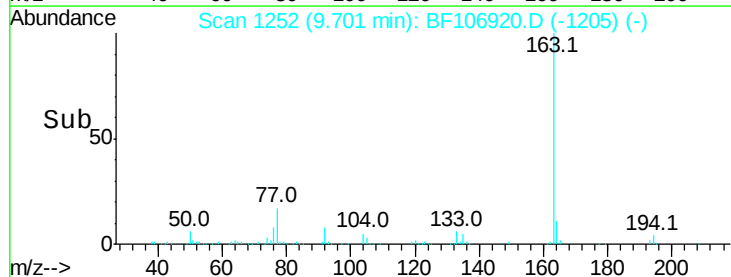
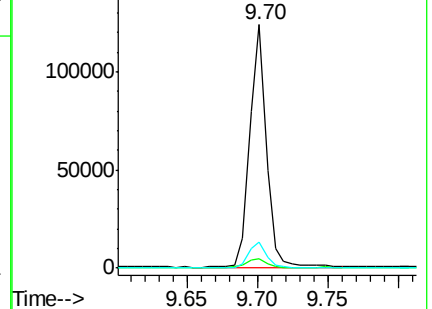
164 10.7 8.2 12.2



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF106920.D

Acq: 28 Jun 2018 15:03

Instrument :

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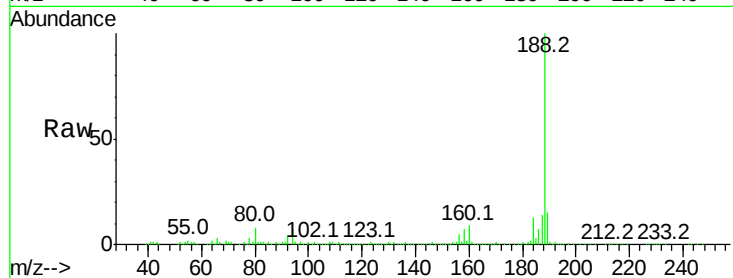
Tot Ion:188 Resp: 298663

Ion Ratio Lower Upper

188 100

94 7.3 8.5 12.7#

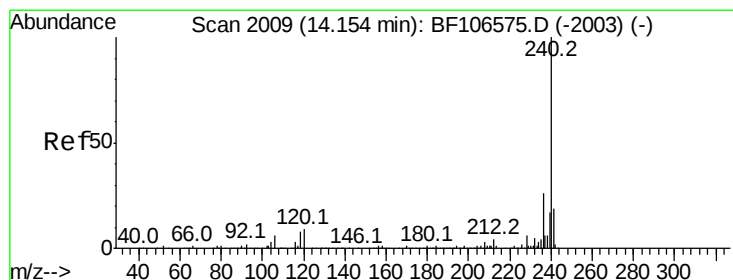
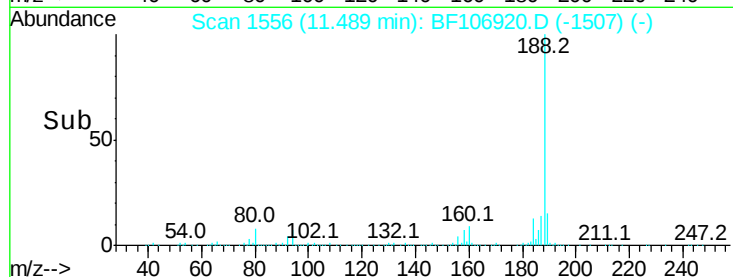
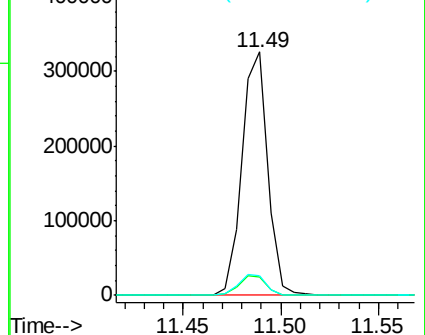
80 8.2 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF106920.D

Acq: 28 Jun 2018 15:03

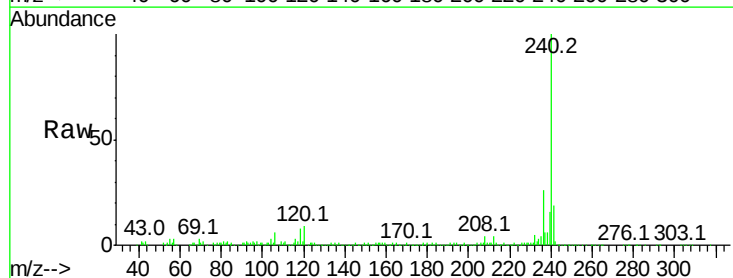
Tgt Ion:240 Resp: 203089

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

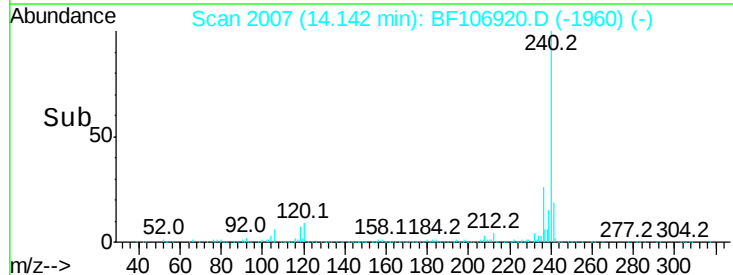
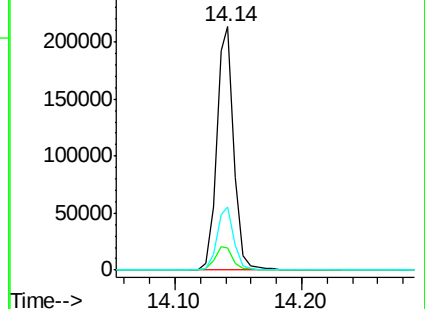
236 25.9 20.7 31.1

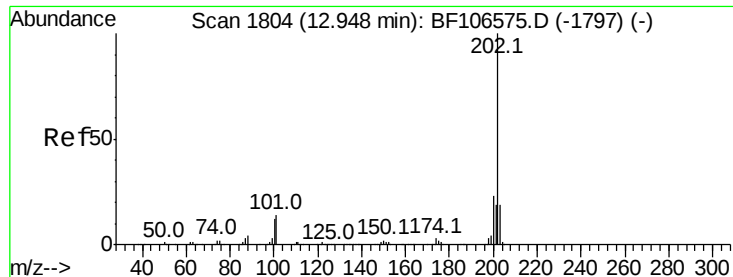


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 2.533 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF106920.D

Acq: 28 Jun 2018 15:03

Instrument :

BNA\_F

ClientSampleId :

20180374-AMENDED-COMPOSITE-

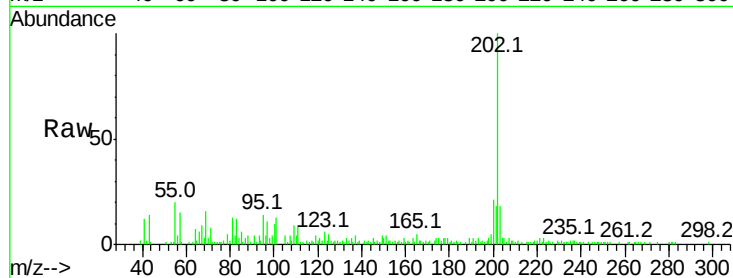
Tot Ion:202 Resp: 33918

Ion Ratio Lower Upper

202 100

200 20.8 17.4 26.2

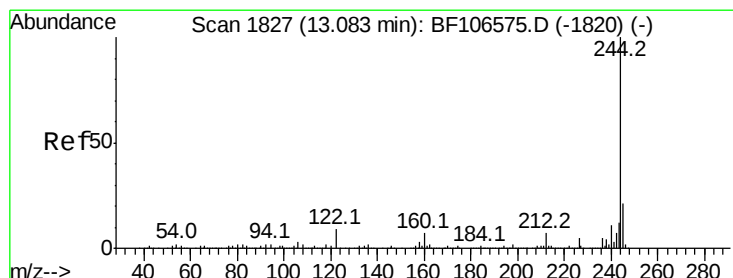
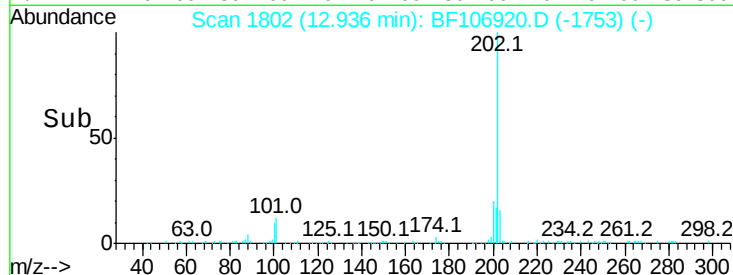
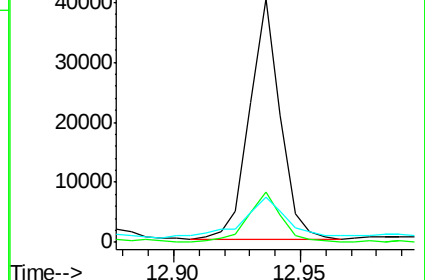
203 18.4 14.3 21.5



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: 76.212 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF106920.D

Acq: 28 Jun 2018 15:03

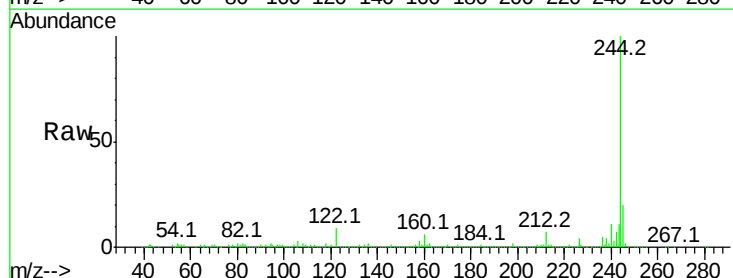
Tgt Ion:244 Resp: 638975

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

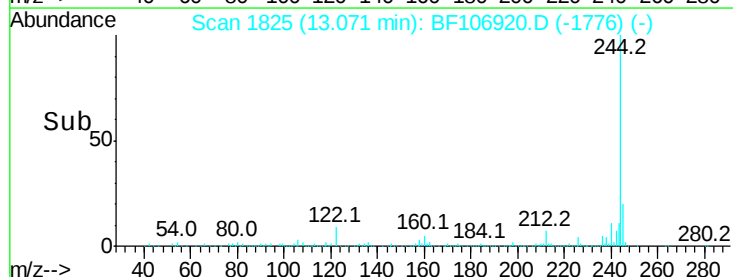
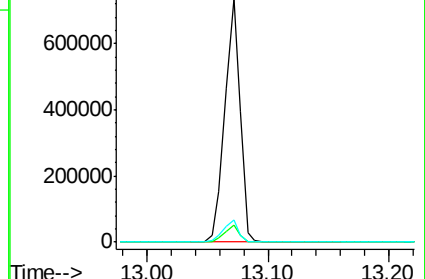
122 8.9 11.0 16.4#

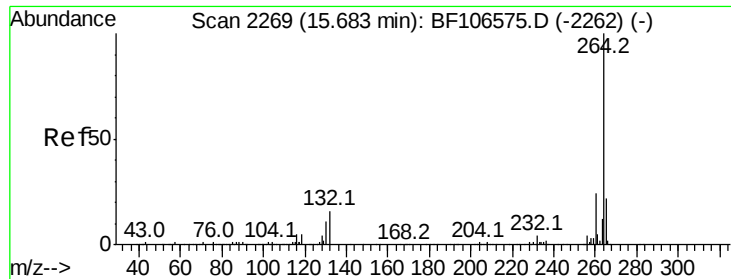


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

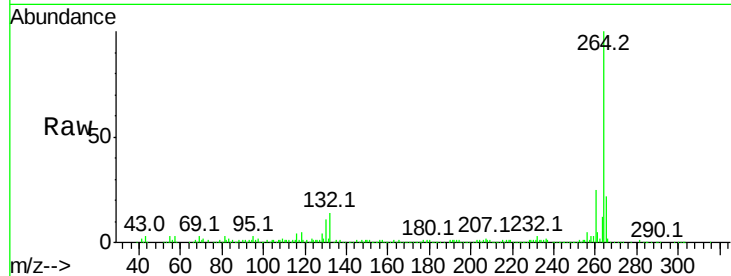




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.68 min Scan# 2269  
 Delta R.T. -0.04 min  
 Lab File: BF106920.D  
 Acq: 28 Jun 2018 15:03

Instrument :  
 BNA\_F  
 ClientSampleId :  
 20180374-AMENDED-COMPOSITE-

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.5  | 19.2  | 28.8  |
| 265     | 22.1  | 17.5  | 26.3  |



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

