

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\  
 Data File : BF106802.D  
 Acq On : 26 Jun 2018 5:33  
 Operator : JU/SJ  
 Sample : J3672-01  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jun 26 07:28:41 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

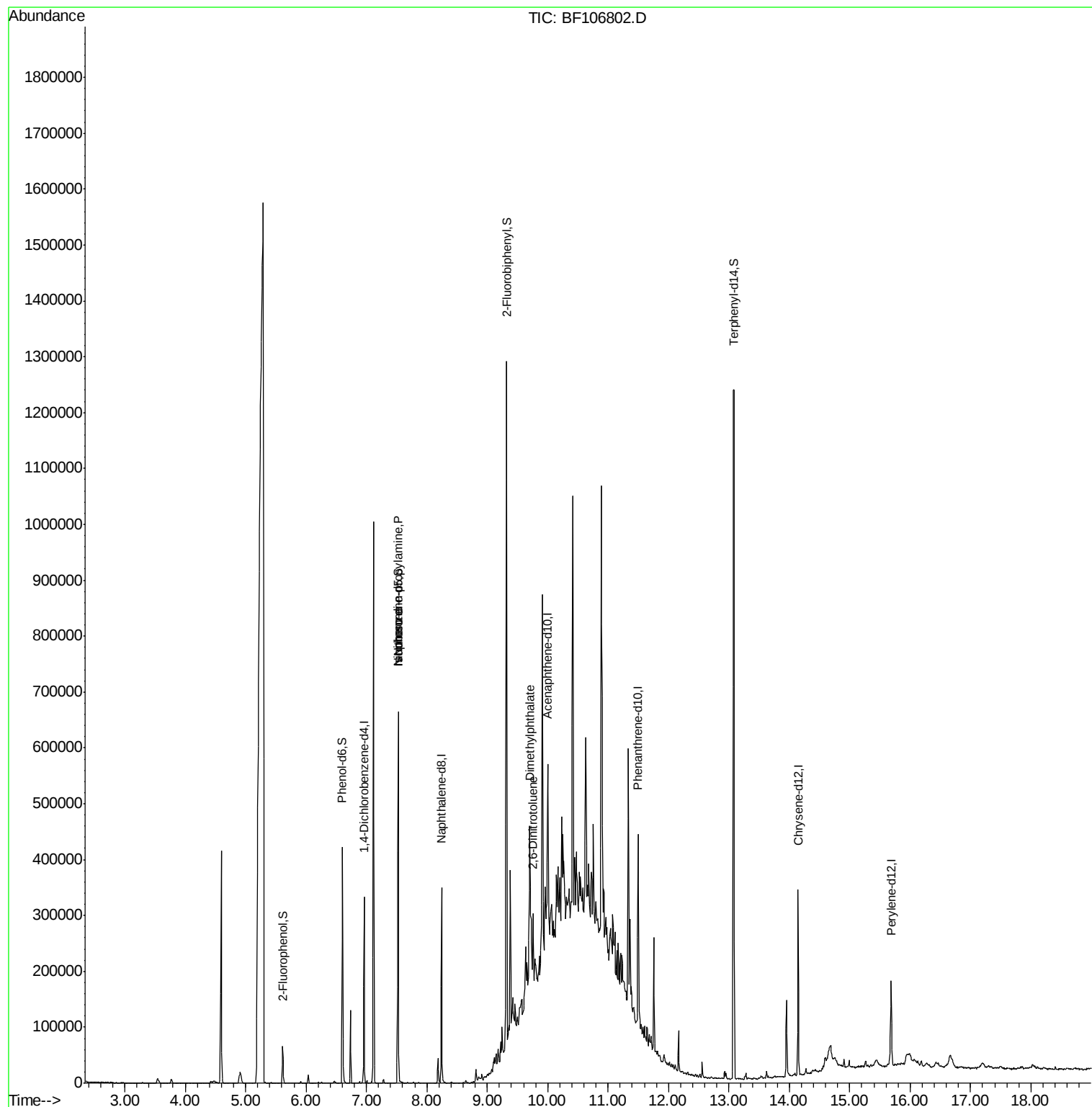
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.96  | 152  | 44489    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.24  | 136  | 150955   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.00 | 164  | 62472    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.49 | 188  | 122181   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.15 | 240  | 120354   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.68 | 264  | 82122    | 20.00  | ng    | -0.04    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.61  | 112  | 18874    | 7.18   | ng    | 0.01     |
| 7) Phenol-d6                   | 6.60  | 99   | 133354   | 40.64  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.52  | 82   | 235841   | 86.82  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.80 | 330  | 327      | 0.45   | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.32  | 172  | 407396   | 115.71 | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.08 | 244  | 512516   | 103.15 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70   | 31496    | 14.563 | ng    | # 72     |
| 25) Isophorone                 | 7.52  | 82   | 235836   | 49.271 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.71  | 163  | 52630    | 11.233 | ng    | # 96     |
| 50) 2,6-Dinitrotoluene         | 9.75  | 165  | 2095     | 2.112  | ng    | # 24     |

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

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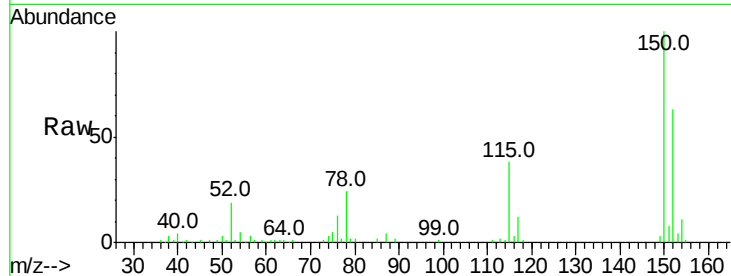


#1

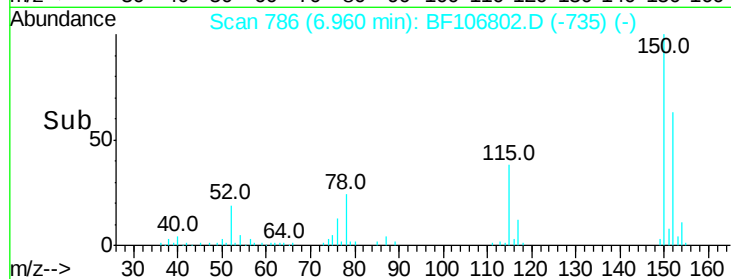
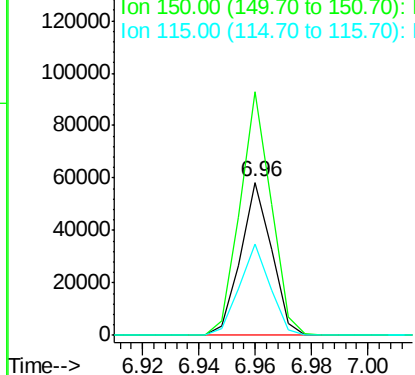
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 786  
Delta R.T. -0.00 min  
Lab File: BF106802.D  
Acq: 26 Jun 2018 5:33

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 44489  
Ion Ratio Lower Upper  
152 100  
150 159.4 124.6 186.8  
115 59.9 50.1 75.1



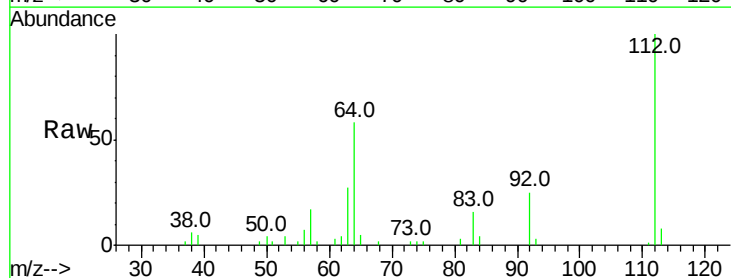
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



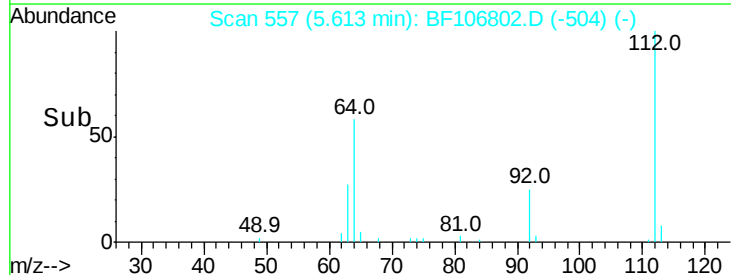
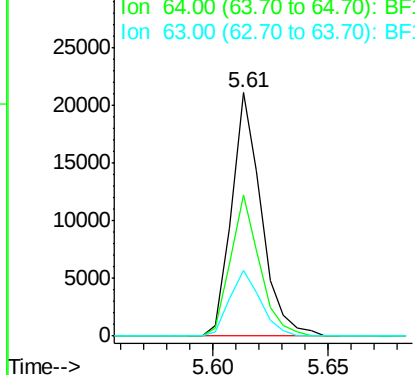
#5

2-Fluorophenol  
Concen: 7.184 ng  
RT: 5.61 min Scan# 557  
Delta R.T. 0.01 min  
Lab File: BF106802.D  
Acq: 26 Jun 2018 5:33

Tgt Ion:112 Resp: 18874  
Ion Ratio Lower Upper  
112 100  
64 58.2 47.9 71.9  
63 26.8 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: 40.644 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106802.D

Acq: 26 Jun 2018 5:33

Instrument :

BNA\_F

ClientSampleId :

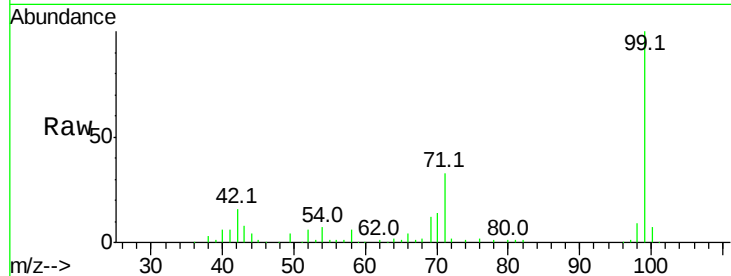
Tot Ion: 99 Resp: 133354

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

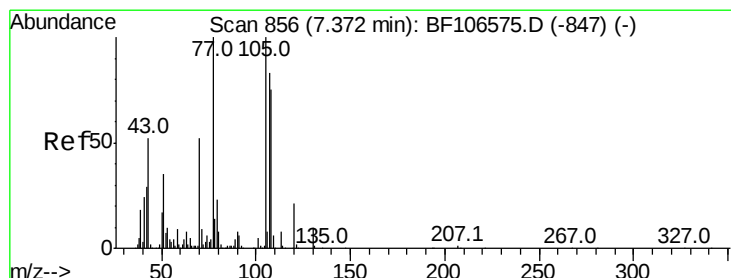
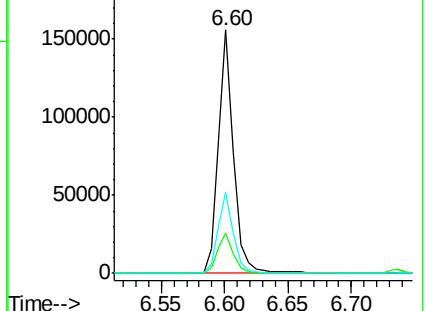
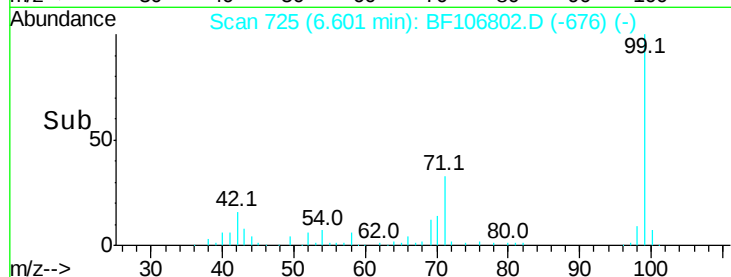
71 33.2 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.563 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF106802.D

Acq: 26 Jun 2018 5:33

Tgt Ion: 70 Resp: 31496

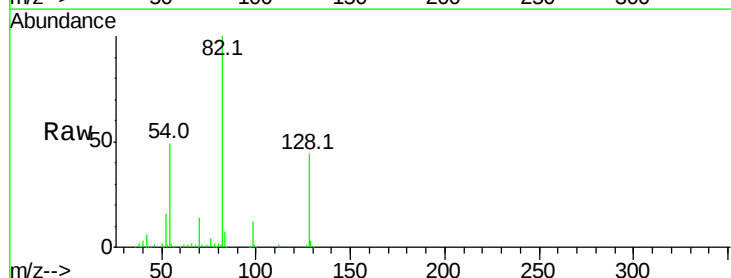
Ion Ratio Lower Upper

70 100

42 41.8 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

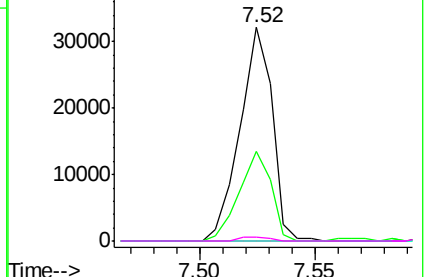
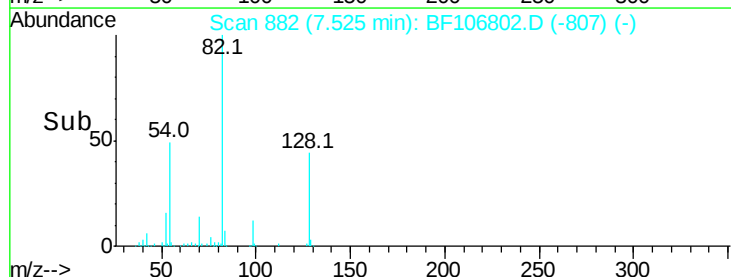


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.01 min

Lab File: BF106802.D

Acq: 26 Jun 2018 5:33

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 150955

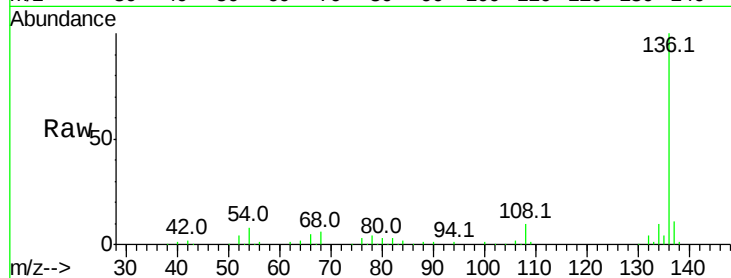
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.7 6.6 9.8

68 6.1 5.0 7.4

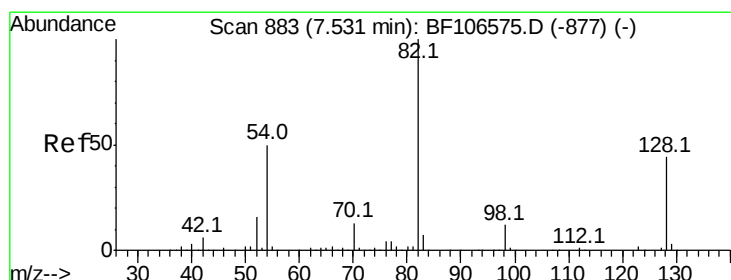
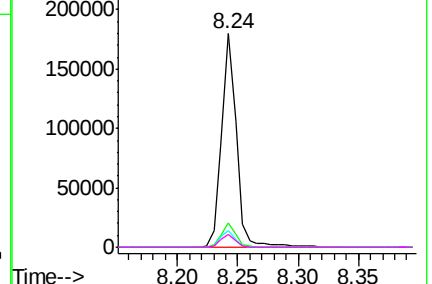
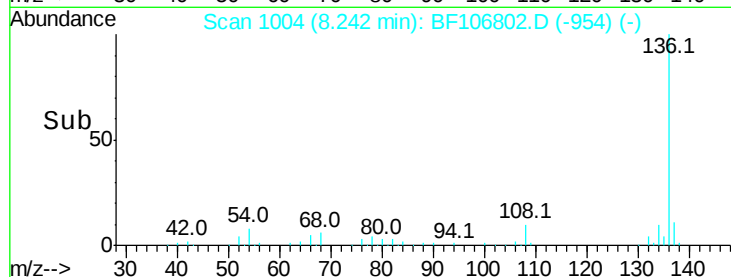


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.824 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF106802.D

Acq: 26 Jun 2018 5:33

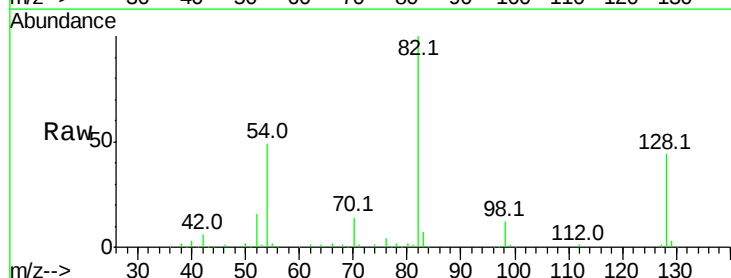
Tgt Ion: 82 Resp: 235841

Ion Ratio Lower Upper

82 100

128 43.9 36.1 54.1

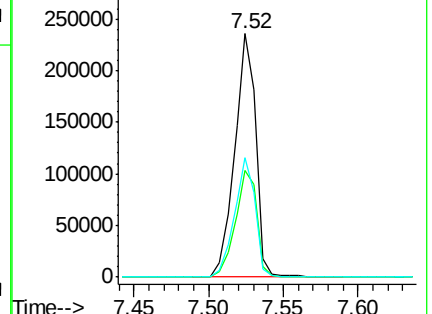
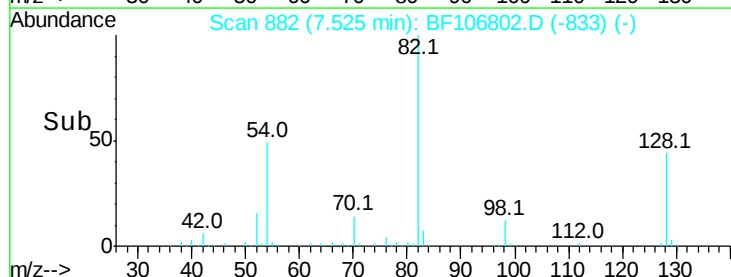
54 48.9 41.4 62.2

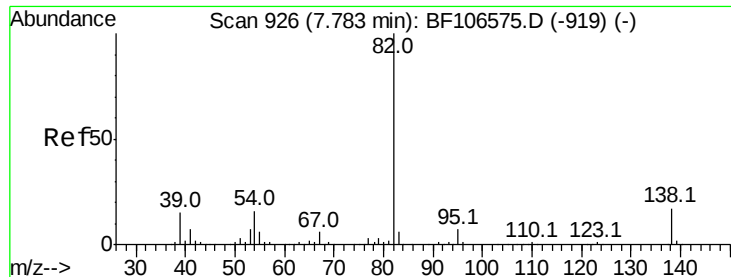


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.271 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106802.D

Acq: 26 Jun 2018 5:33

Instrument :

BNA\_F

ClientSampleId :

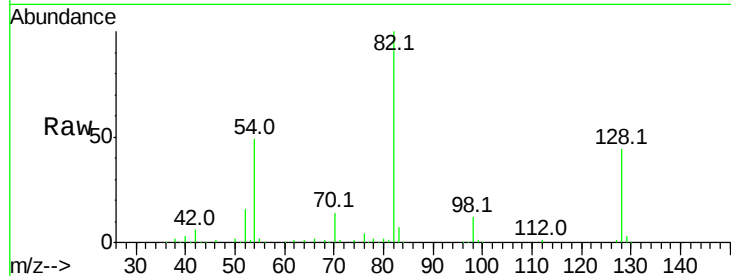
Tot Ion: 82 Resp: 235836

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

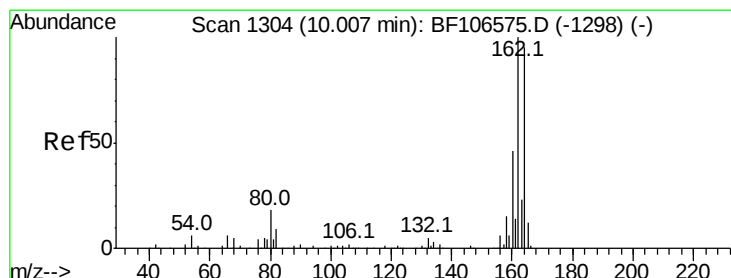
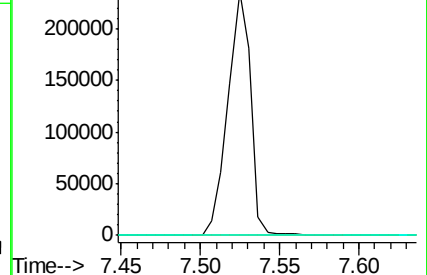
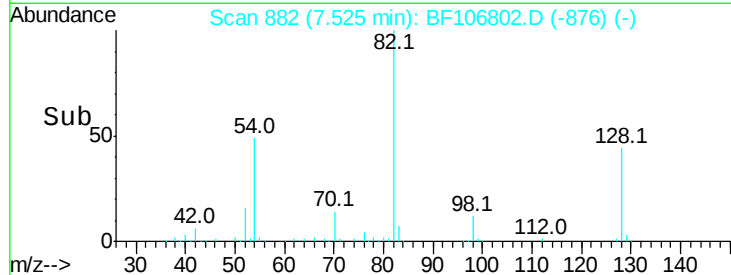
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF106802.D

Acq: 26 Jun 2018 5:33

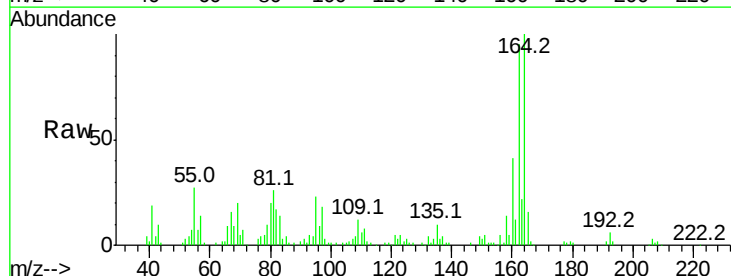
Tgt Ion:164 Resp: 62472

Ion Ratio Lower Upper

164 100

162 94.5 86.1 129.1

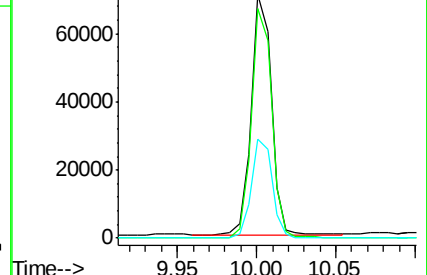
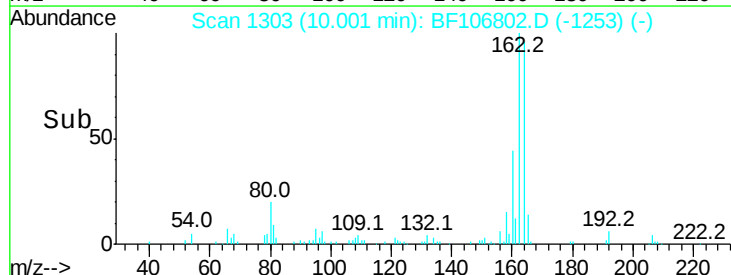
160 40.8 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

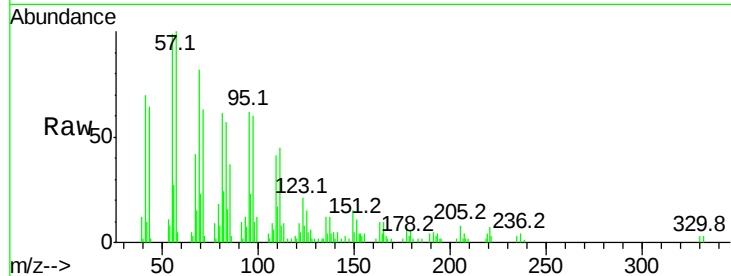




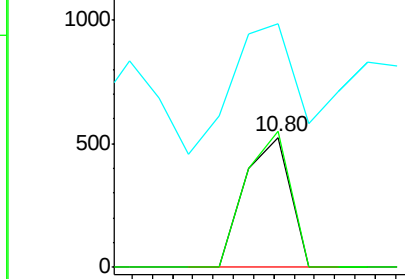
#41  
 2,4,6-Tribromophenol  
 Concen: 0.452 ng  
 RT: 10.80 min Scan# 1439  
 Delta R.T. -0.00 min  
 Lab File: BF106802.D  
 Acq: 26 Jun 2018 5:33

Instrument :  
 BNA\_F  
 ClientSampled :

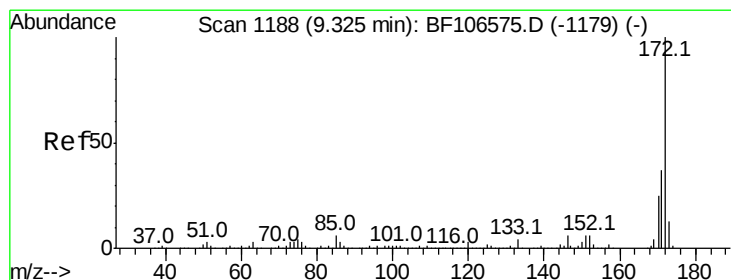
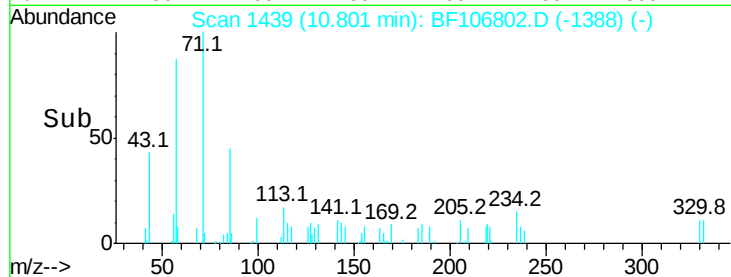
Tot Ion:330 Resp: 327  
 Ion Ratio Lower Upper  
 330 100  
 332 102.1 77.0 115.6  
 141 139.1 29.9 44.9#



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

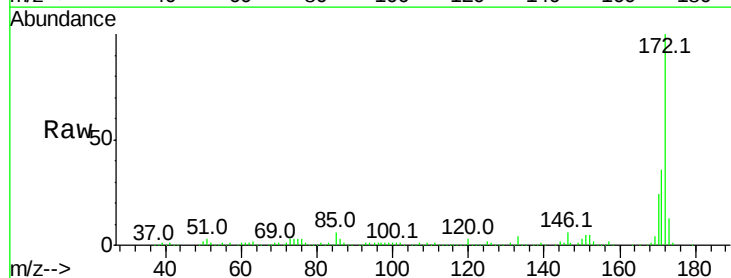


Time-->

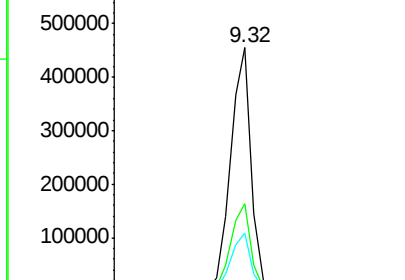


#44  
 2-Fluorobiphenyl  
 Concen: 115.710 ng  
 RT: 9.32 min Scan# 1187  
 Delta R.T. -0.01 min  
 Lab File: BF106802.D  
 Acq: 26 Jun 2018 5:33

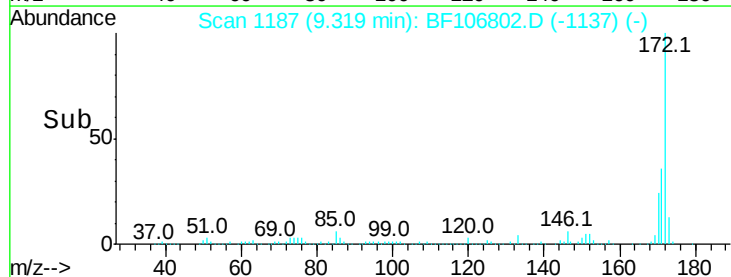
Tgt Ion:172 Resp: 407396  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.7 44.5  
 170 24.1 19.6 29.4

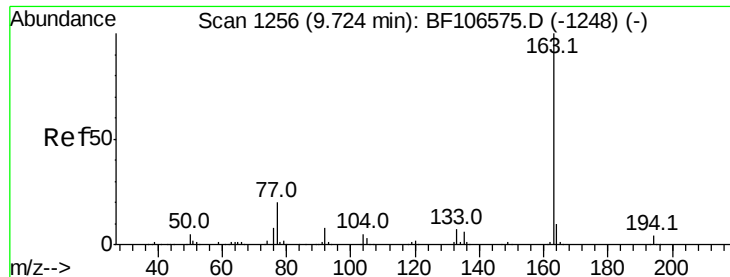


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



Time-->

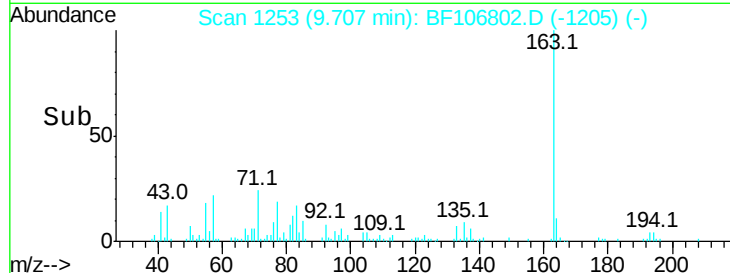
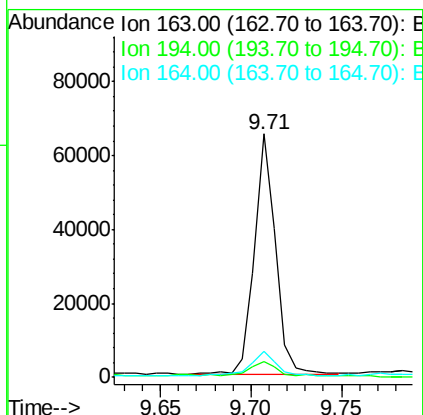
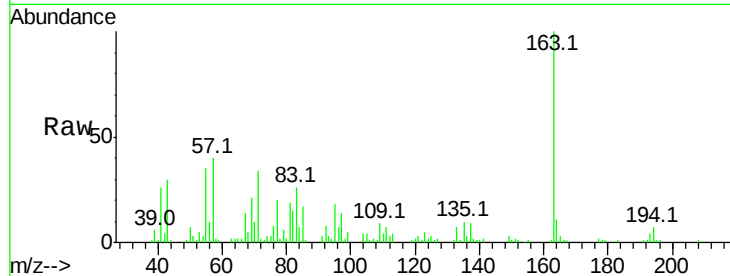




#49  
Dimethylphthalate  
Concen: 11.233 ng  
RT: 9.71 min Scan# 1253  
Delta R.T. -0.02 min  
Lab File: BF106802.D  
Acq: 26 Jun 2018 5:33

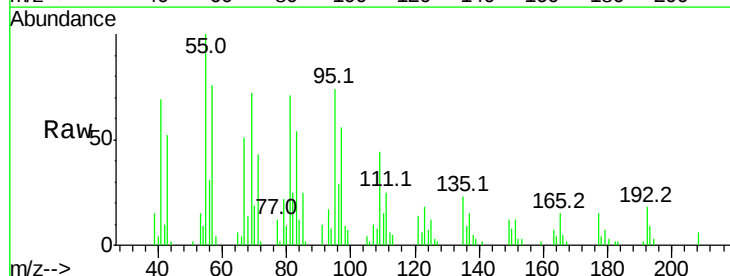
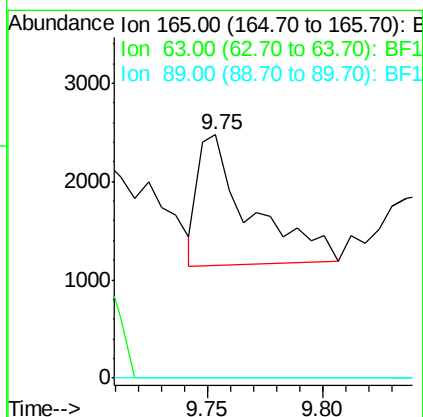
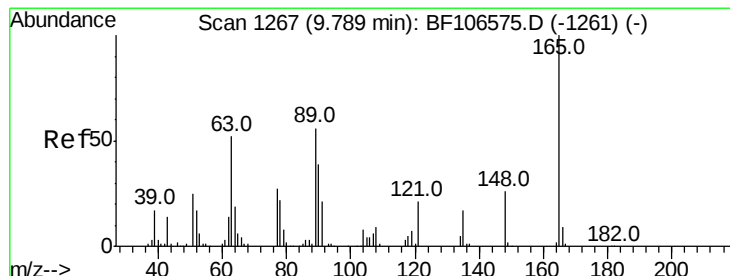
Instrument :  
BNA\_F  
ClientSampleId :

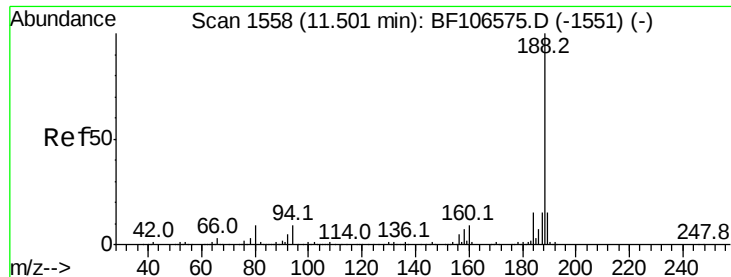
Tot Ion:163 Resp: 52630  
Ion Ratio Lower Upper  
163 100  
194 6.6 2.7 4.1#  
164 10.9 8.2 12.2



#50  
2,6-Dinitrotoluene  
Concen: 2.112 ng  
RT: 9.75 min Scan# 1261  
Delta R.T. -0.04 min  
Lab File: BF106802.D  
Acq: 26 Jun 2018 5:33

Tgt Ion:165 Resp: 2095  
Ion Ratio Lower Upper  
165 100  
63 0.0 44.7 67.1#  
89 0.0 44.0 66.0#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF106802.D

Acq: 26 Jun 2018 5:33

Instrument :

BNA\_F

ClientSampleId :

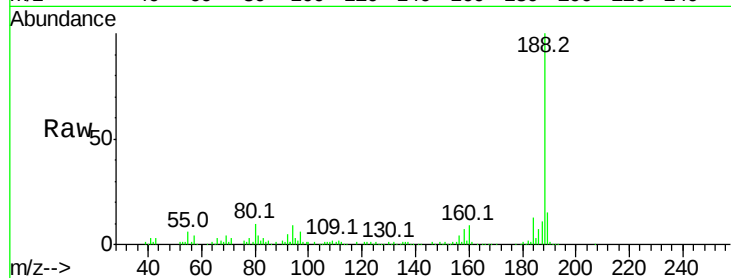
Tot Ion:188 Resp: 122181

Ion Ratio Lower Upper

188 100

94 9.4 8.5 12.7

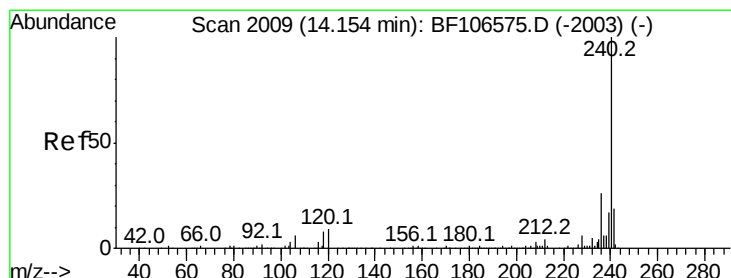
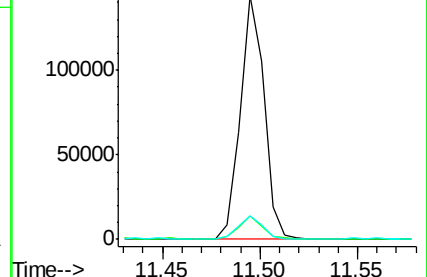
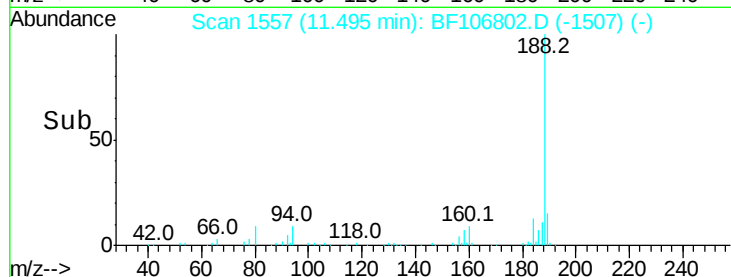
80 9.8 9.2 13.8



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: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF106802.D

Acq: 26 Jun 2018 5:33

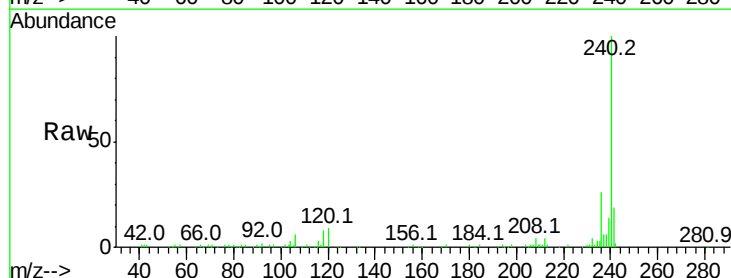
Tgt Ion:240 Resp: 120354

Ion Ratio Lower Upper

240 100

120 8.6 9.5 14.3#

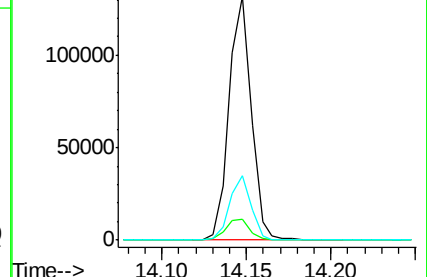
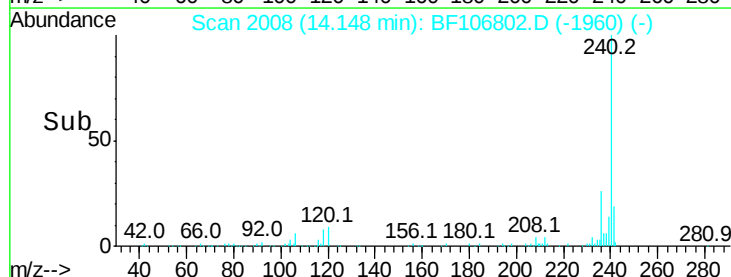
236 26.3 20.7 31.1

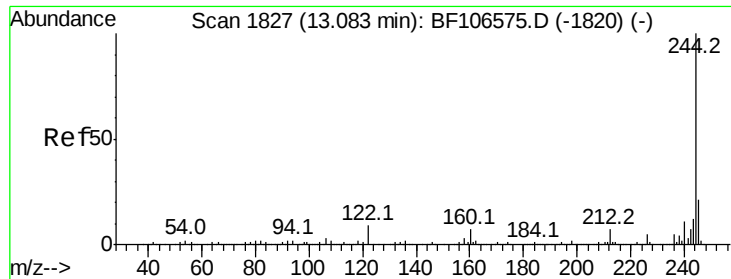


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

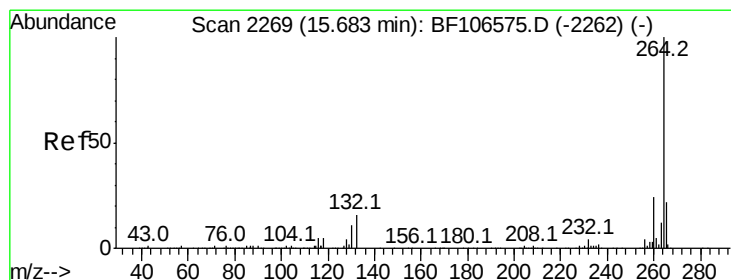
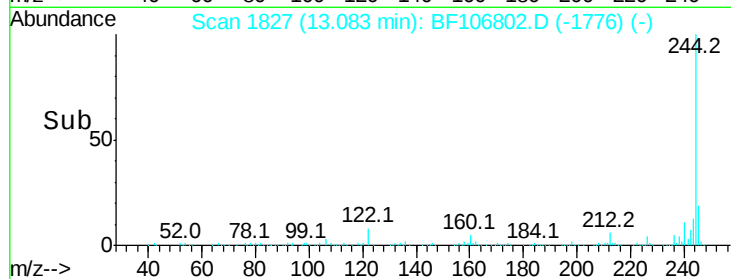
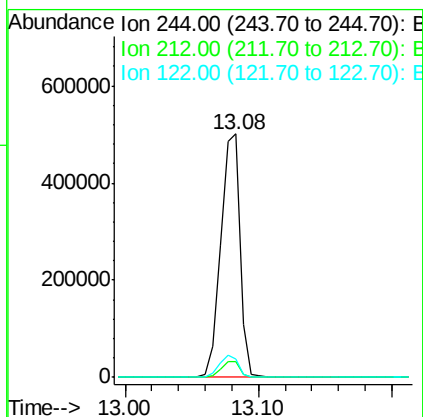
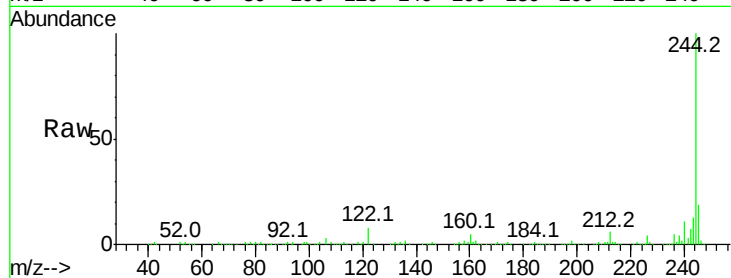




#78  
 Terphenyl-d14  
 Concen: 103.151 ng  
 RT: 13.08 min Scan# 1827  
 Delta R.T. -0.00 min  
 Lab File: BF106802.D  
 Acq: 26 Jun 2018 5:33

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 512516  
 Ion Ratio Lower Upper  
 244 100  
 212 6.4 5.4 8.0  
 122 7.8 11.0 16.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.68 min Scan# 2269  
 Delta R.T. -0.04 min  
 Lab File: BF106802.D  
 Acq: 26 Jun 2018 5:33

Tgt Ion:264 Resp: 82122  
 Ion Ratio Lower Upper  
 264 100  
 260 23.0 19.2 28.8  
 265 22.3 17.5 26.3

