

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070218\  
 Data File : BF107059.D  
 Acq On : 2 Jul 2018 23:22  
 Operator : JU/SJ  
 Sample : J3629-03DL 20X  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jul 03 01:26:16 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 29 14:38:29 2018  
 Response via : Initial Calibration

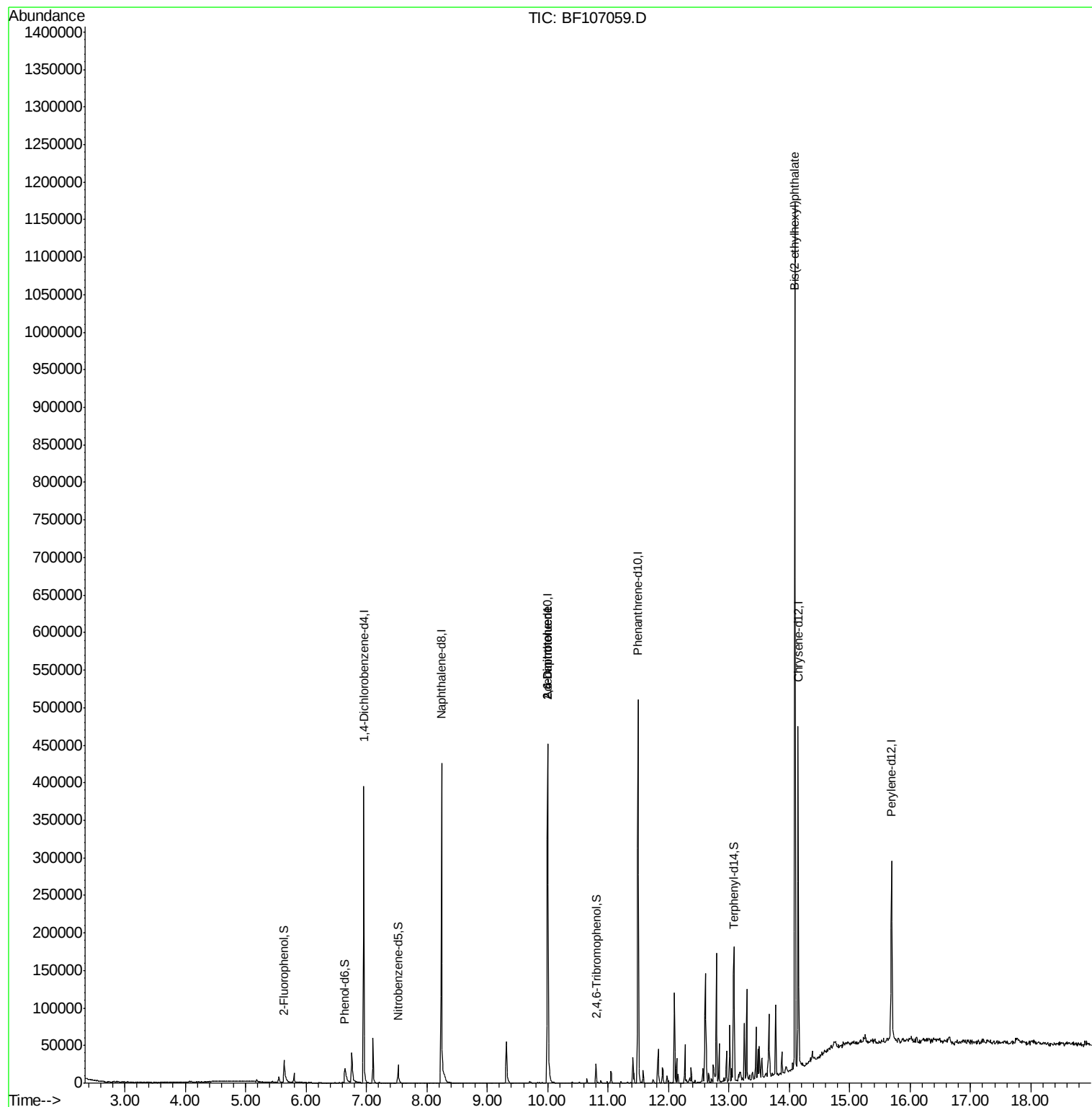
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.95  | 152  | 60881    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.24  | 136  | 240948   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.00 | 164  | 112956   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.50 | 188  | 197907   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.15 | 240  | 166617   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12               | 15.69 | 264  | 137215   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.64  | 112  | 19055    | 5.30   | ng    | 0.04     |
| 7) Phenol-d6                   | 6.64  | 99   | 19592    | 4.36   | ng    | 0.03     |
| 23) Nitrobenzene-d5            | 7.52  | 82   | 12758    | 2.94   | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.80 | 330  | 5342     | 4.08   | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.31  | 172  | 32732    | -11.91 | ng    | -0.01    |
| 78) Terphenyl-d14              | 13.07 | 244  | 31210    | 4.54   | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 50) 2,6-Dinitrotoluene         | 10.00 | 165  | 14036    | 7.824  | ng    | # 24     |
| 56) 2,4-Dinitrotoluene         | 10.00 | 165  | 14036    | 5.994  | ng    | # 21     |
| 83) Bis(2-ethylhexyl)phthalate | 14.10 | 149  | 316929   | 54.876 | ng    | # 97     |

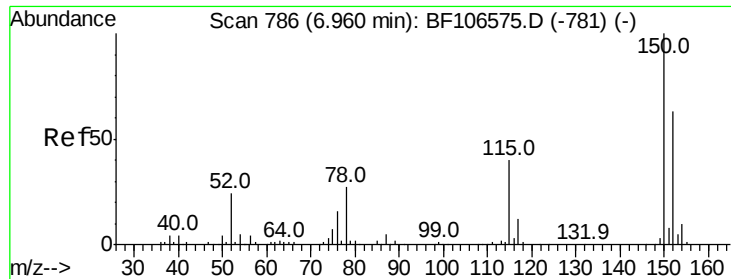
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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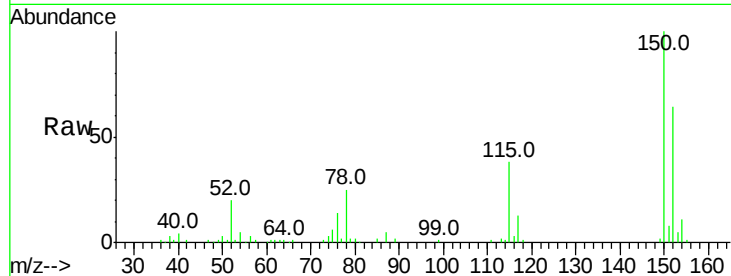


#1

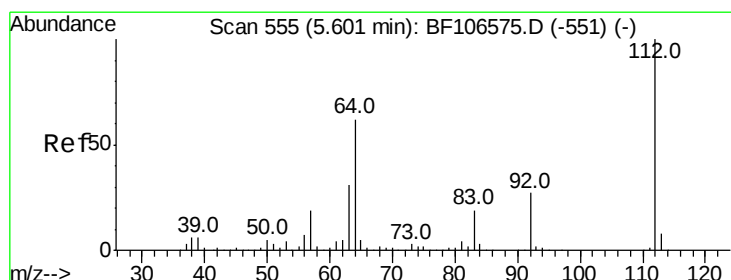
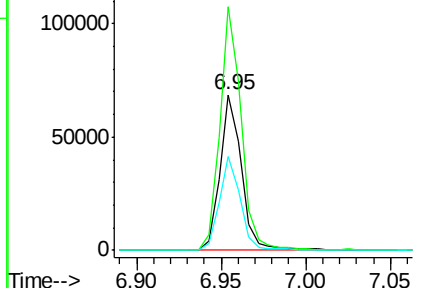
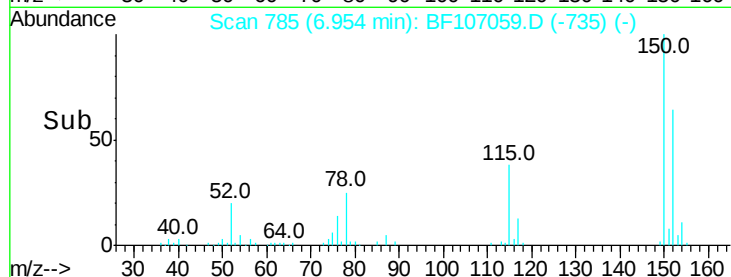
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.95 min Scan# 785  
Delta R.T. -0.01 min  
Lab File: BF107059.D  
Acq: 2 Jul 2018 23:22

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 60881  
Ion Ratio Lower Upper  
152 100  
150 156.8 124.6 186.8  
115 60.0 50.1 75.1



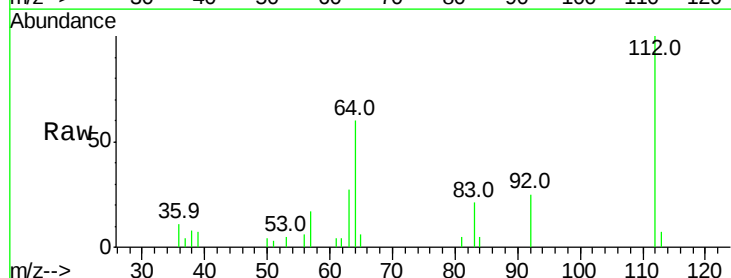
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



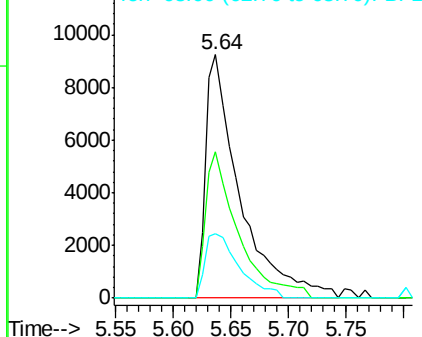
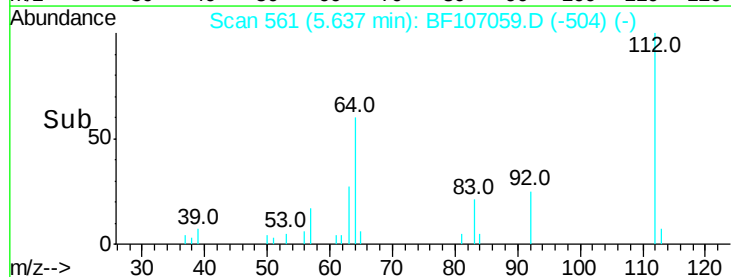
#5

2-Fluorophenol  
Concen: 5.300 ng  
RT: 5.64 min Scan# 561  
Delta R.T. 0.04 min  
Lab File: BF107059.D  
Acq: 2 Jul 2018 23:22

Tgt Ion:112 Resp: 19055  
Ion Ratio Lower Upper  
112 100  
64 60.2 47.9 71.9  
63 26.5 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: 4.364 ng

RT: 6.64 min Scan# 732

Delta R.T. 0.03 min

Lab File: BF107059.D

Acq: 2 Jul 2018 23:22

Instrument :

BNA\_F

ClientSampleId :

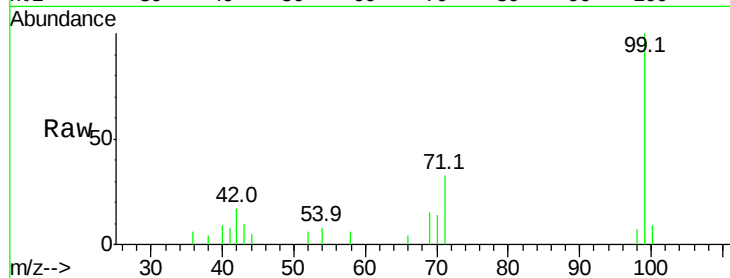
Tot Ion: 99 Resp: 19592

Ion Ratio Lower Upper

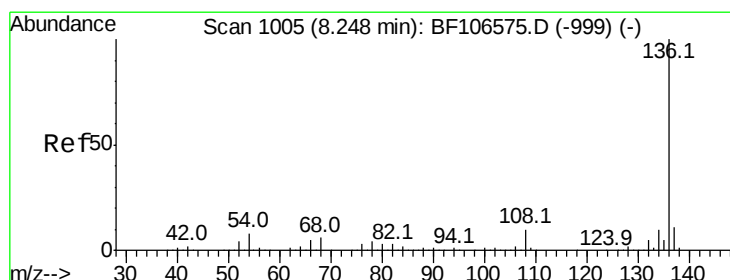
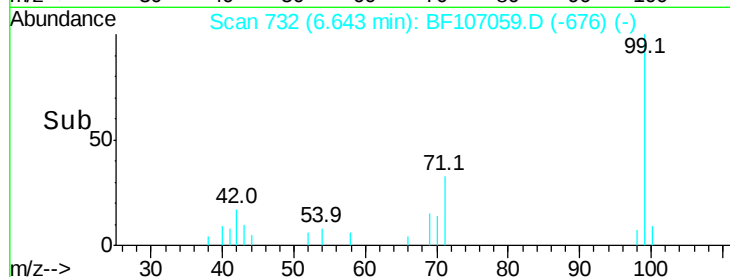
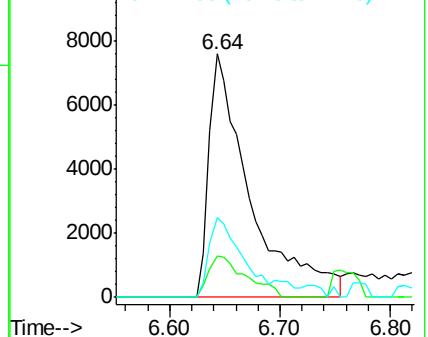
99 100

42 17.0 14.5 21.7

71 32.7 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# 1004

Delta R.T. -0.01 min

Lab File: BF107059.D

Acq: 2 Jul 2018 23:22

Tgt Ion: 136 Resp: 240948

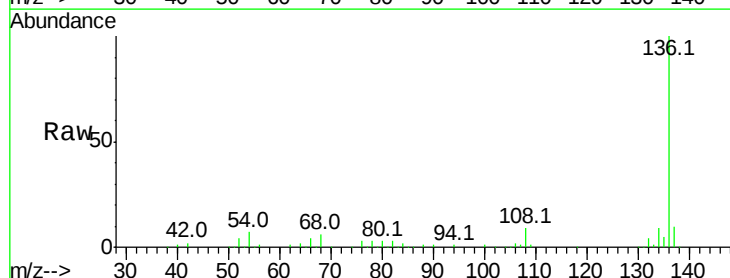
Ion Ratio Lower Upper

136 100

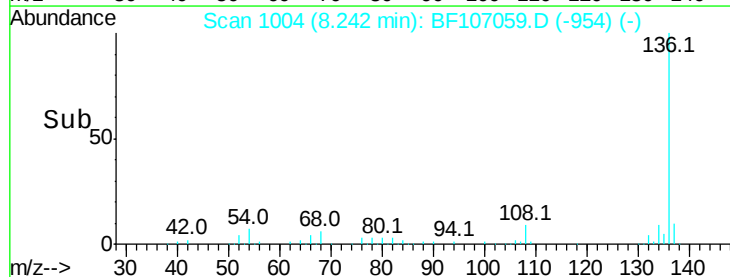
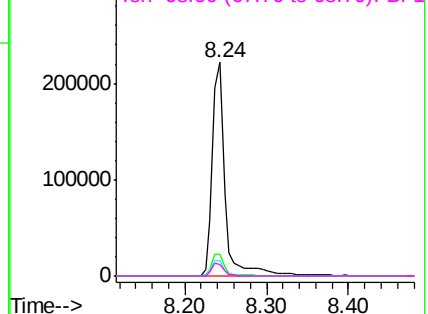
137 10.4 8.9 13.3

54 7.3 6.6 9.8

68 5.5 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

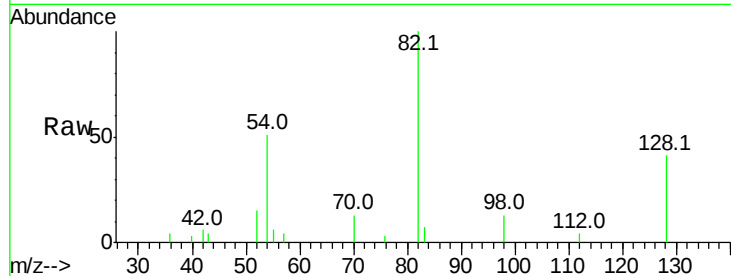




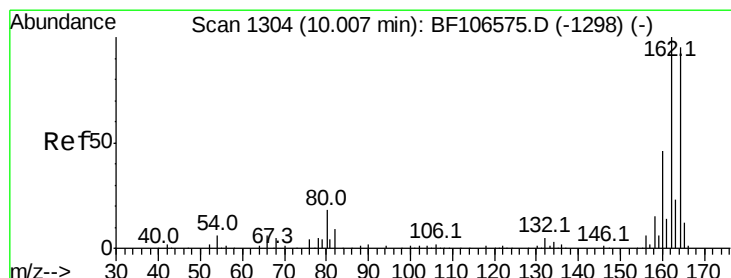
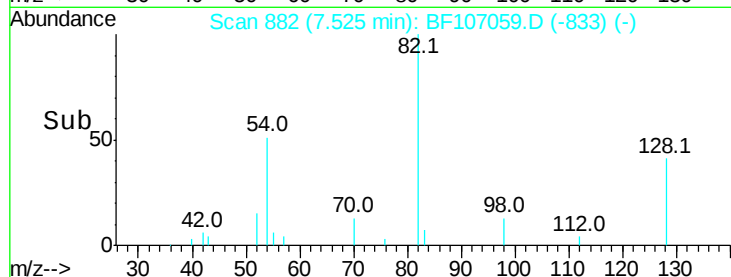
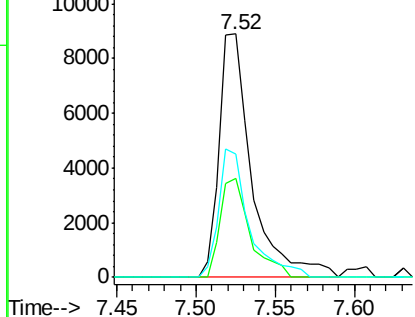
#23  
Nitrobenzene-d5  
Concen: 2.943 ng  
RT: 7.52 min Scan# 882  
Delta R.T. -0.01 min  
Lab File: BF107059.D  
Acq: 2 Jul 2018 23:22

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 12758  
Ion Ratio Lower Upper  
82 100  
128 40.6 36.1 54.1  
54 50.9 41.4 62.2

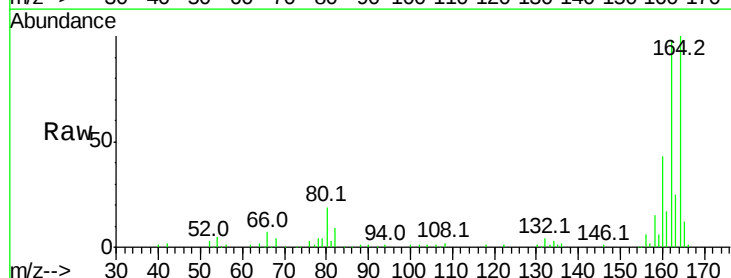


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

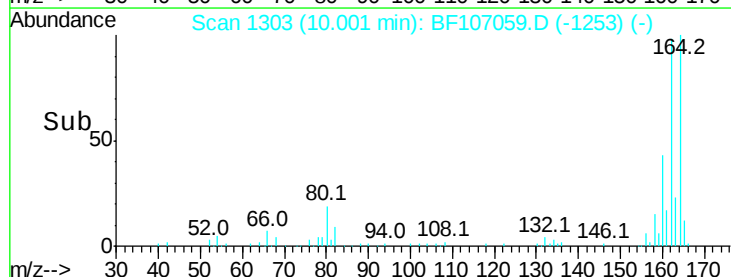
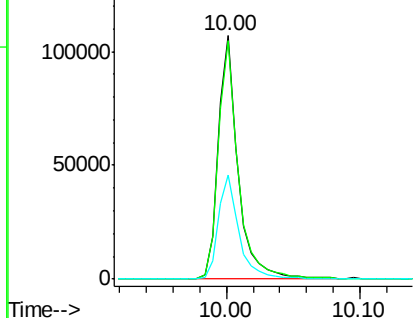


#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.00 min Scan# 1303  
Delta R.T. -0.01 min  
Lab File: BF107059.D  
Acq: 2 Jul 2018 23:22

Tgt Ion:164 Resp: 112956  
Ion Ratio Lower Upper  
164 100  
162 97.8 86.1 129.1  
160 42.7 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

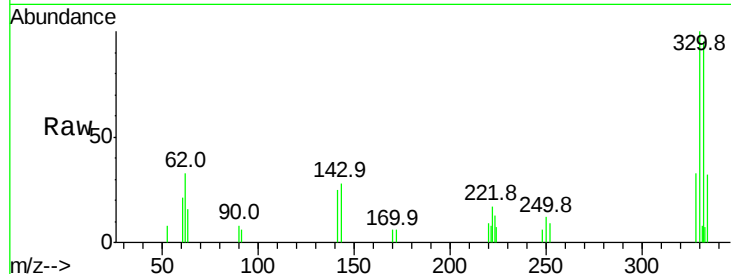




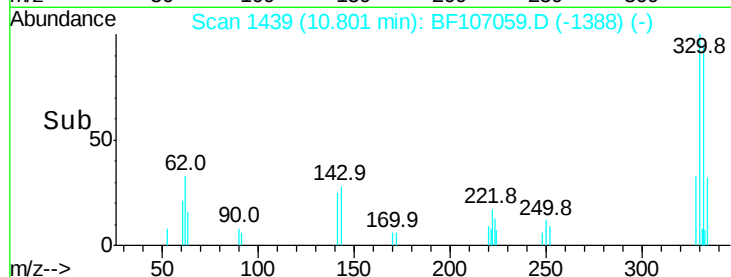
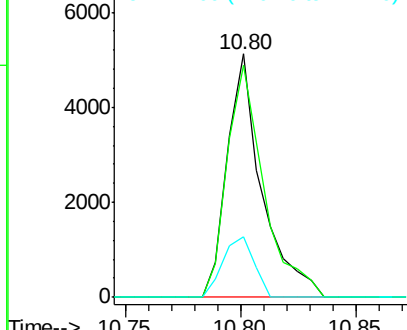
#41  
 2,4,6-Tribromophenol  
 Concen: 4.080 ng  
 RT: 10.80 min Scan# 1439  
 Delta R.T. 0.00 min  
 Lab File: BF107059.D  
 Acq: 2 Jul 2018 23:22

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 5342  
 Ion Ratio Lower Upper  
 330 100  
 332 101.7 77.0 115.6  
 141 22.3 29.9 44.9#

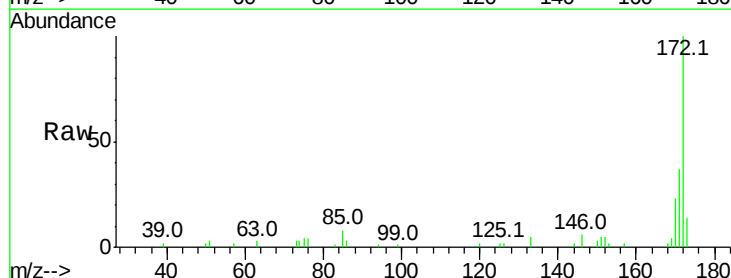


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

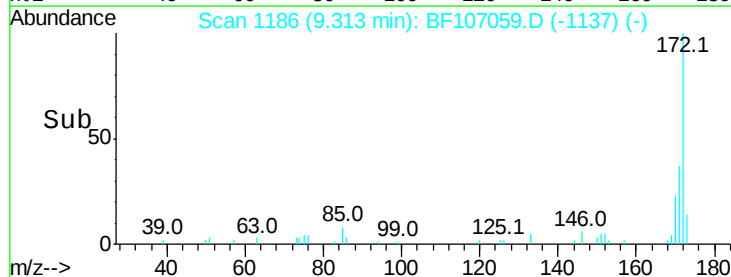
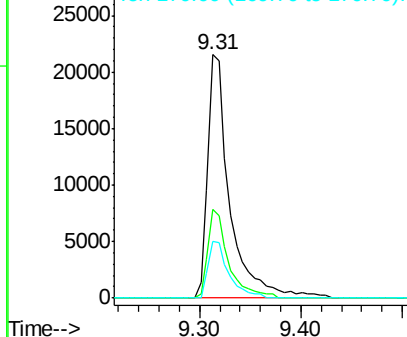


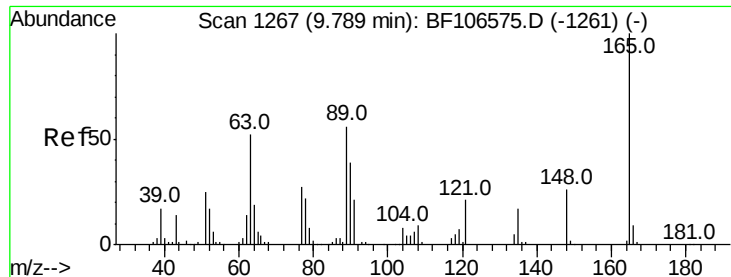
#44  
 2-Fluorobiphenyl  
 Concen: -11.914 ng  
 RT: 9.31 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF107059.D  
 Acq: 2 Jul 2018 23:22

Tgt Ion:172 Resp: 32732  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.7 44.5  
 170 23.2 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

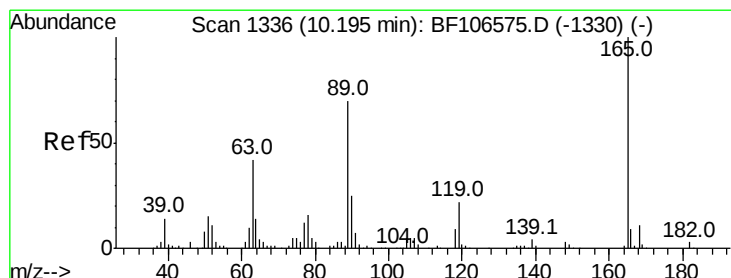
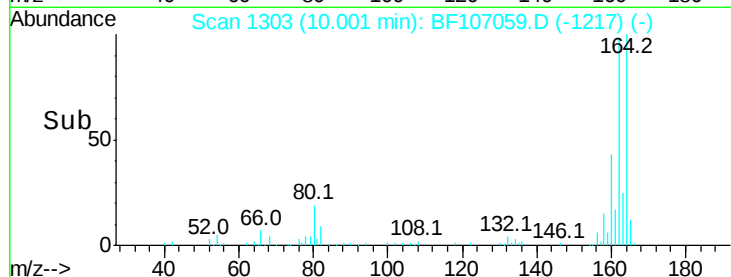
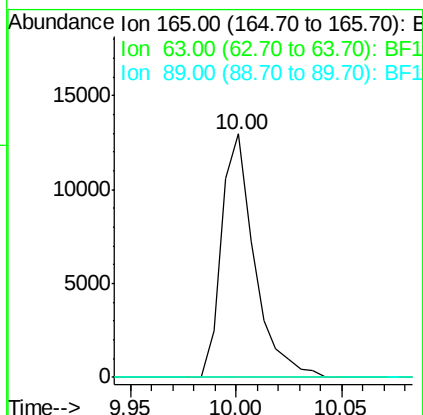
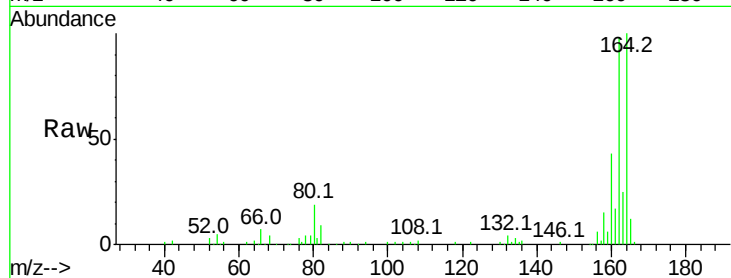




#50  
 2,6-Dinitrotoluene  
 Concen: 7.824 ng  
 RT: 10.00 min Scan# 1303  
 Delta R.T. 0.21 min  
 Lab File: BF107059.D  
 Acq: 2 Jul 2018 23:22

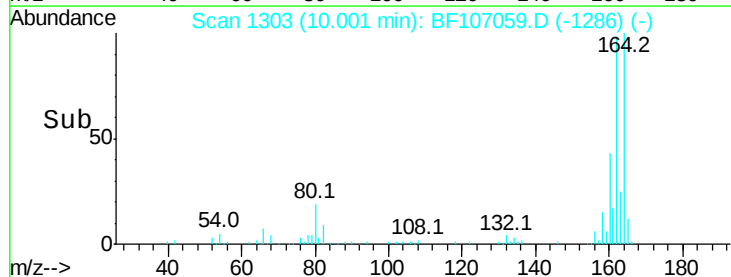
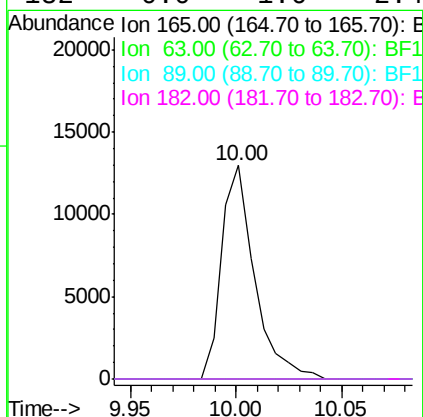
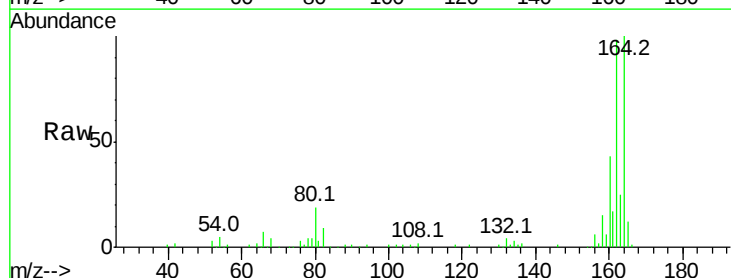
Instrument :  
 BNA\_F  
 ClientSampleId :

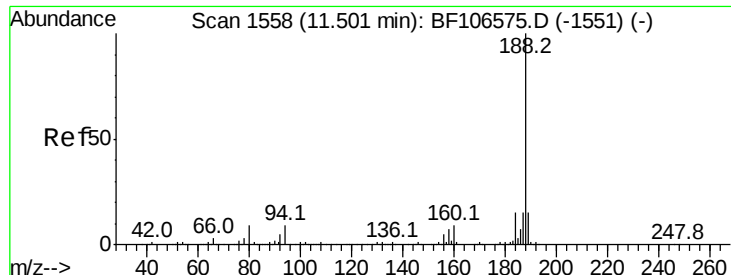
Tot Ion:165 Resp: 14036  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 44.7 67.1#  
 89 0.0 44.0 66.0#



#56  
 2,4-Dinitrotoluene  
 Concen: 5.994 ng  
 RT: 10.00 min Scan# 1303  
 Delta R.T. -0.20 min  
 Lab File: BF107059.D  
 Acq: 2 Jul 2018 23:22

Tgt Ion:165 Resp: 14036  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 36.4 54.6#  
 89 0.0 57.8 86.6#  
 182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF107059.D

Acq: 2 Jul 2018 23:22

Instrument :

BNA\_F

ClientSampleId :

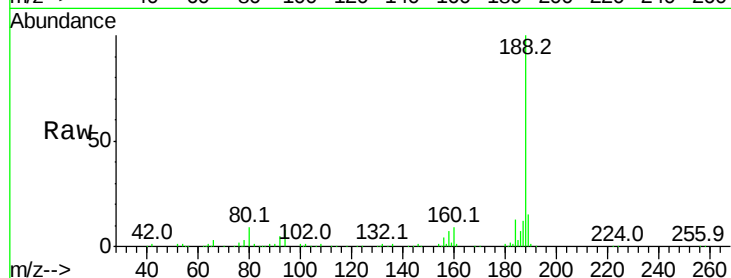
Tot Ion:188 Resp: 197907

Ion Ratio Lower Upper

188 100

94 8.2 8.5 12.7#

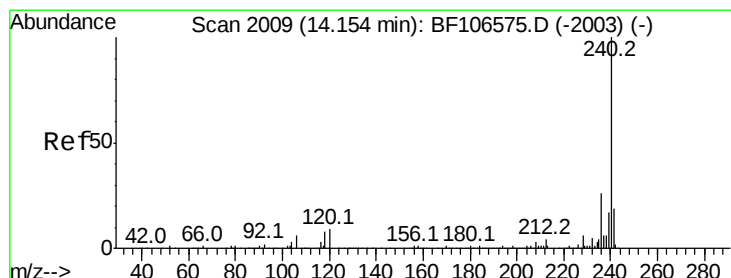
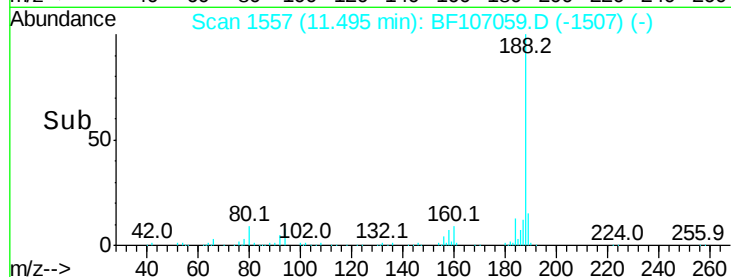
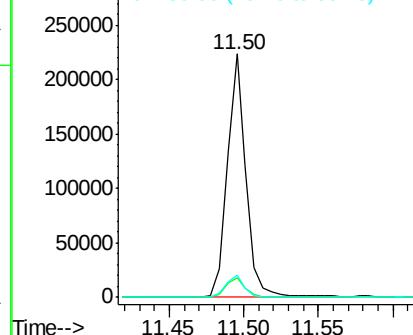
80 8.9 9.2 13.8#



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: BF107059.D

Acq: 2 Jul 2018 23:22

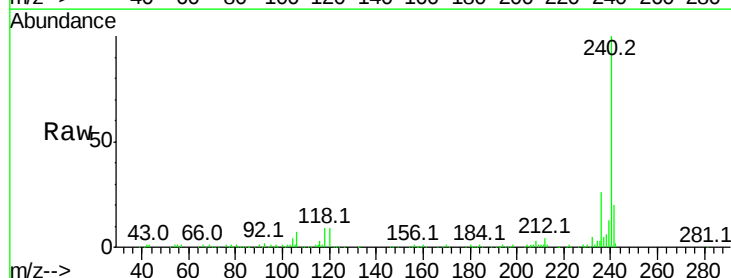
Tgt Ion:240 Resp: 166617

Ion Ratio Lower Upper

240 100

120 9.1 9.5 14.3#

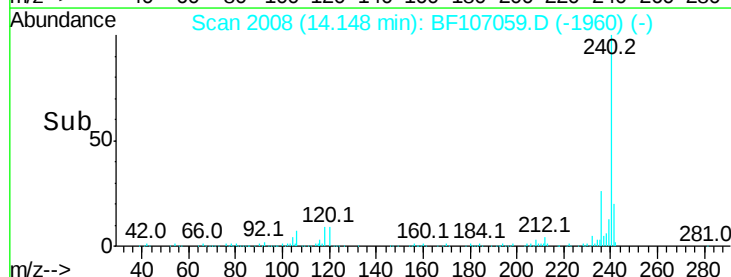
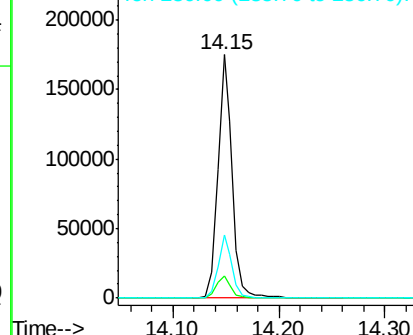
236 26.1 20.7 31.1

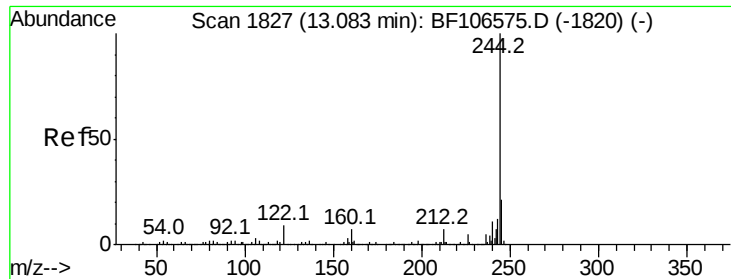


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 4.537 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107059.D

Acq: 2 Jul 2018 23:22

Instrument :

BNA\_F

ClientSampleId :

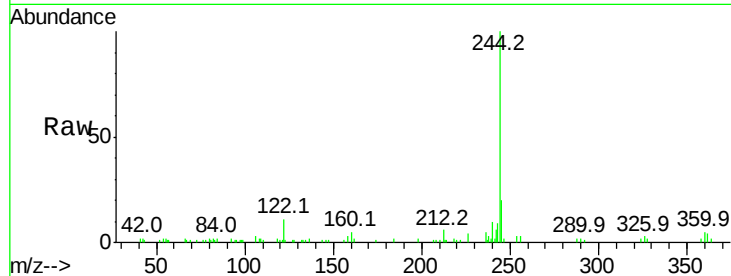
Tot Ion:244 Resp: 31210

Ion Ratio Lower Upper

244 100

212 5.7 5.4 8.0

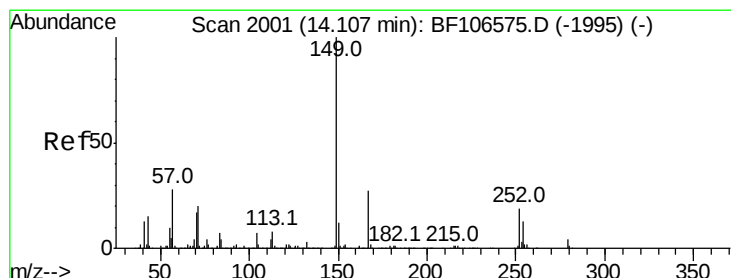
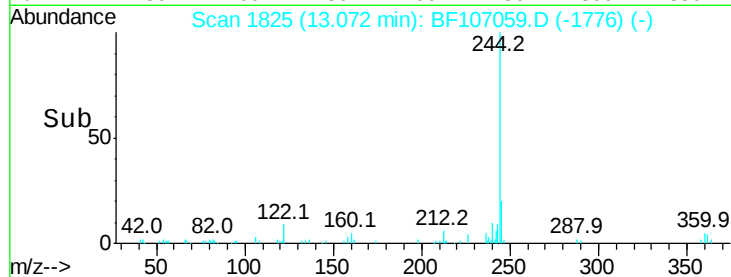
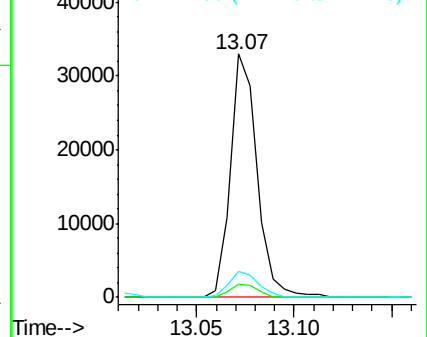
122 10.6 11.0 16.4#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 54.876 ng

RT: 14.10 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF107059.D

Acq: 2 Jul 2018 23:22

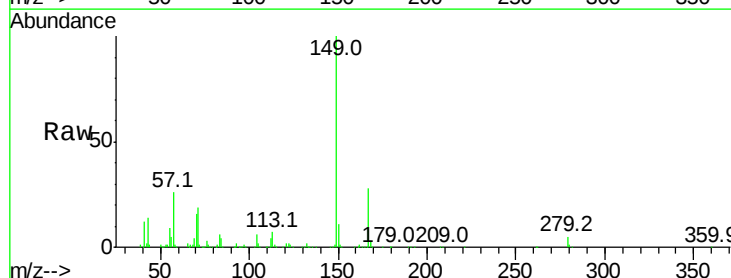
Tgt Ion:149 Resp: 316929

Ion Ratio Lower Upper

149 100

167 28.3 21.3 31.9

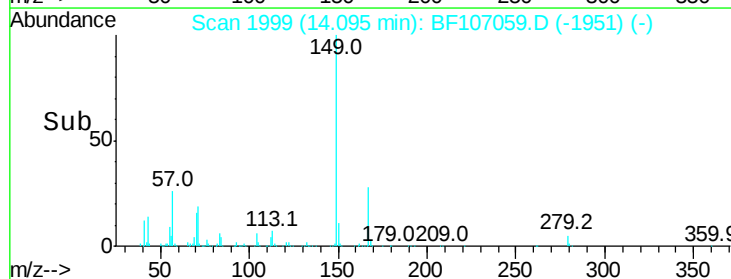
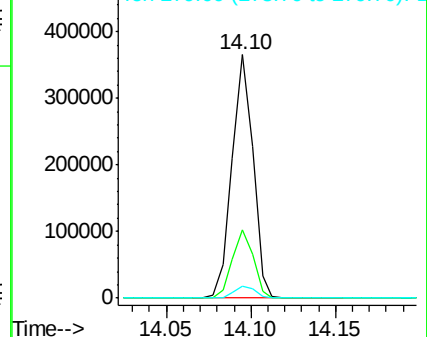
279 4.6 3.0 4.4#

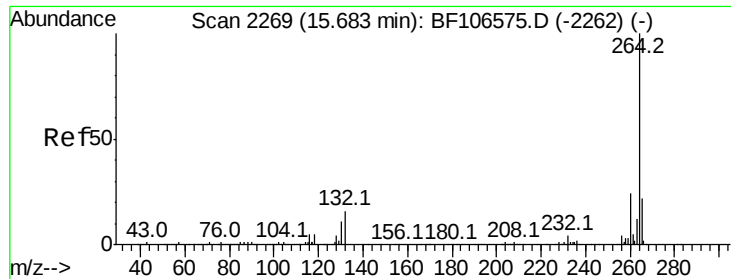


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.69 min Scan# 2271  
 Delta R.T. -0.02 min  
 Lab File: BF107059.D  
 Acq: 2 Jul 2018 23:22

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.2  | 28.8  |
| 265     | 22.5  | 17.5  | 26.3  |

