

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062118\  
 Data File : BF106694.D  
 Acq On : 22 Jun 2018 8:18  
 Operator : JU/SJ  
 Sample : J3611-05  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jun 22 09:03:06 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 19 14:32:09 2018  
 Response via : Initial Calibration

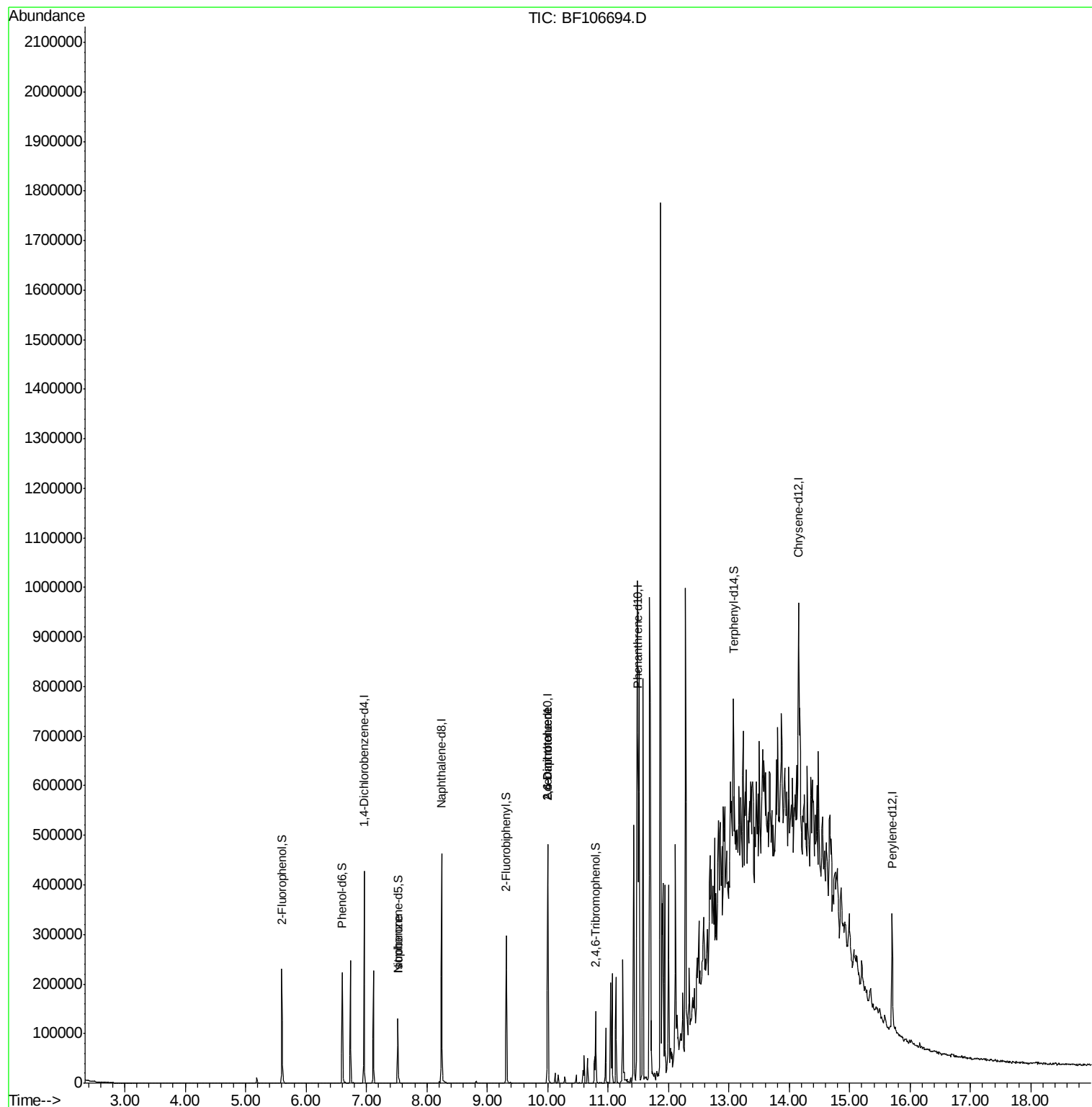
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.96  | 152  | 55836    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.24  | 136  | 213555   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.00 | 164  | 99755    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.50 | 188  | 190479   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 14.15 | 240  | 152919   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.71 | 264  | 127491   | 20.00 | ng    | 0.02     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.60  | 112  | 63092    | 19.13 | ng    | 0.00     |
| 7) Phenol-d6                | 6.60  | 99   | 79173    | 19.23 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 41330    | 10.76 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 17815    | 15.41 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.31  | 172  | 96960    | 2.06  | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.08 | 244  | 114704   | 18.17 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 25) Isophorone              | 7.52  | 82   | 41329    | 6.103 | ng    | # 64     |
| 50) 2,6-Dinitrotoluene      | 10.00 | 165  | 12559    | 7.927 | ng    | # 24     |
| 56) 2,4-Dinitrotoluene      | 10.00 | 165  | 12559    | 6.073 | ng    | # 21     |

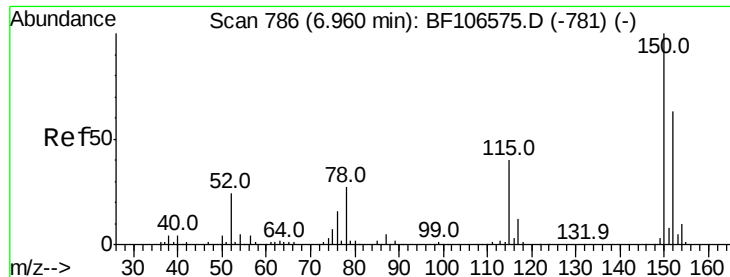
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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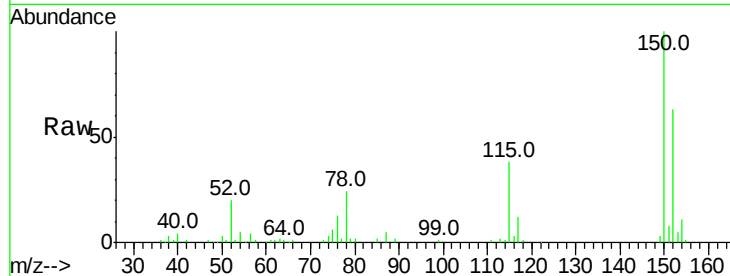


#1

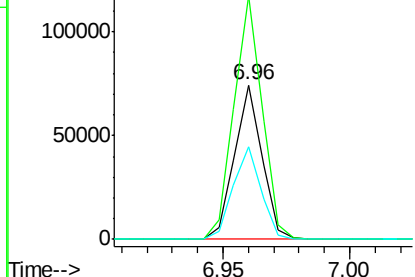
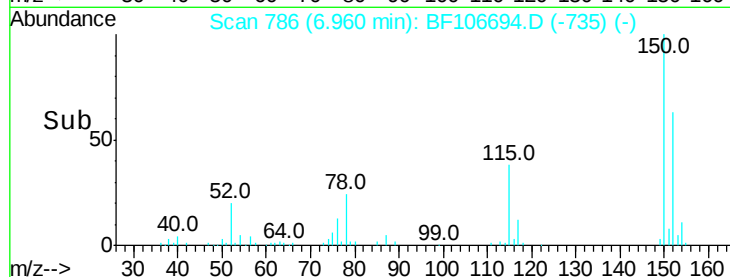
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 786  
Delta R.T. 0.00 min  
Lab File: BF106694.D  
Acq: 22 Jun 2018 8:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 55836  
Ion Ratio Lower Upper  
152 100  
150 157.6 124.6 186.8  
115 59.9 50.1 75.1



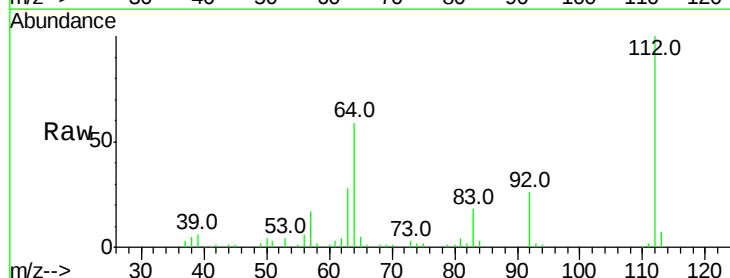
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



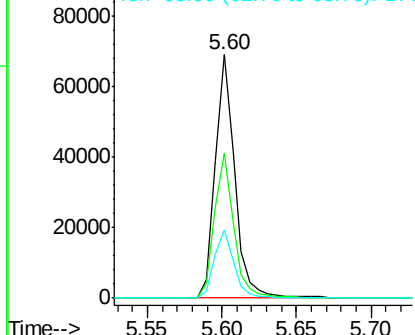
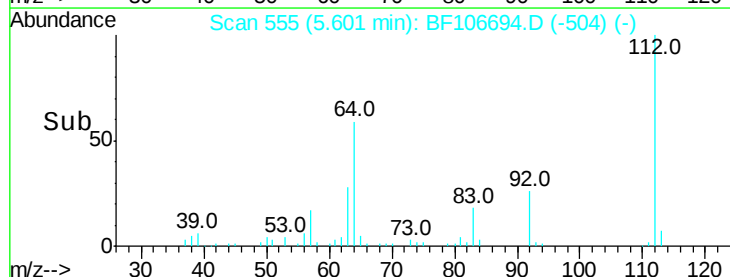
#5

2-Fluorophenol  
Concen: 19.134 ng  
RT: 5.60 min Scan# 555  
Delta R.T. 0.00 min  
Lab File: BF106694.D  
Acq: 22 Jun 2018 8:18

Tgt Ion:112 Resp: 63092  
Ion Ratio Lower Upper  
112 100  
64 59.4 47.9 71.9  
63 28.0 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: 19.227 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF106694.D

Acq: 22 Jun 2018 8:18

Instrument :

BNA\_F

ClientSampled :

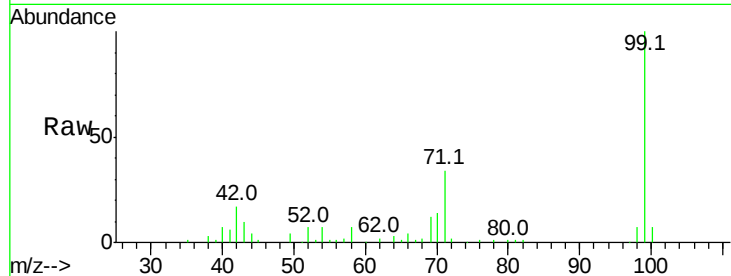
Tot Ion: 99 Resp: 79173

Ion Ratio Lower Upper

99 100

42 17.0 14.5 21.7

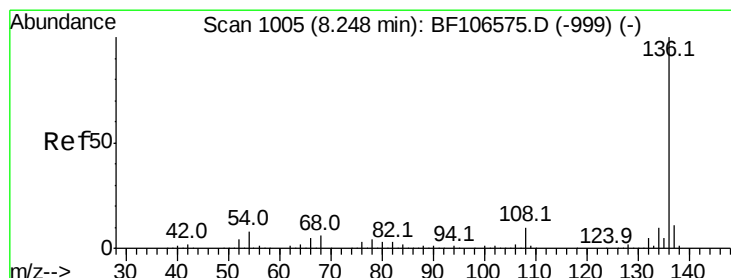
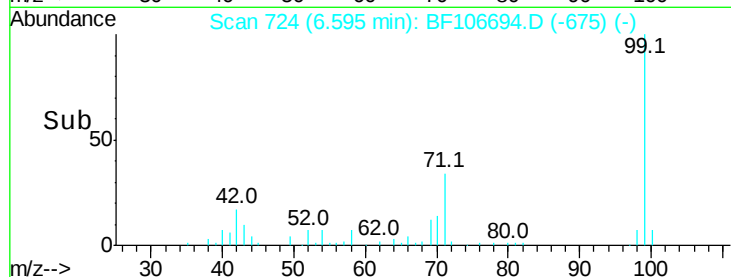
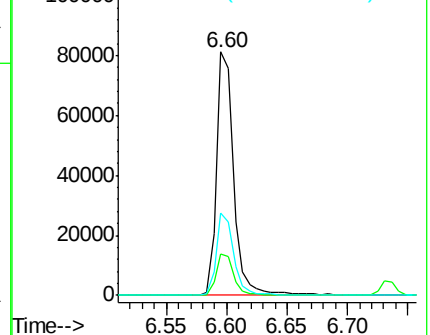
71 33.8 25.4 38.0



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: BF106694.D

Acq: 22 Jun 2018 8:18

Tgt Ion: 136 Resp: 213555

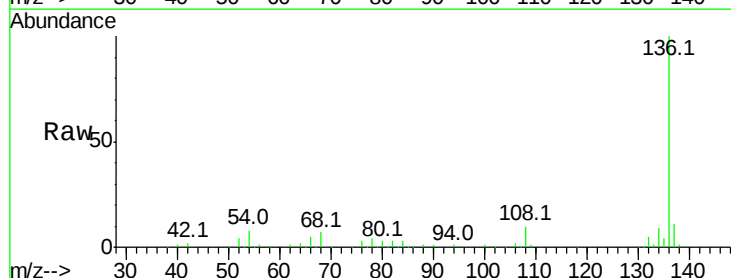
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 8.2 6.6 9.8

68 6.6 5.0 7.4

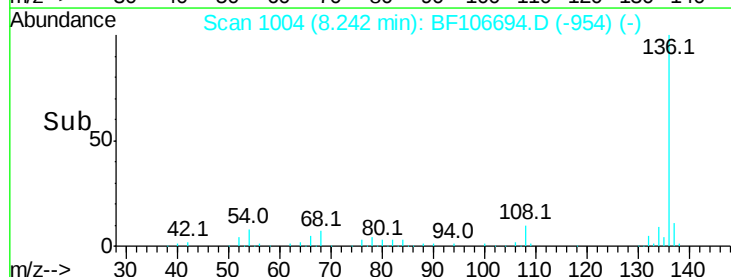
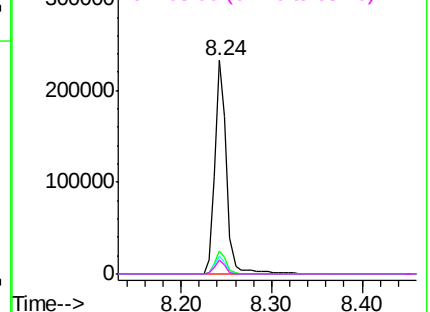


Abundance Ion 136.00 (135.70 to 136.70): E

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

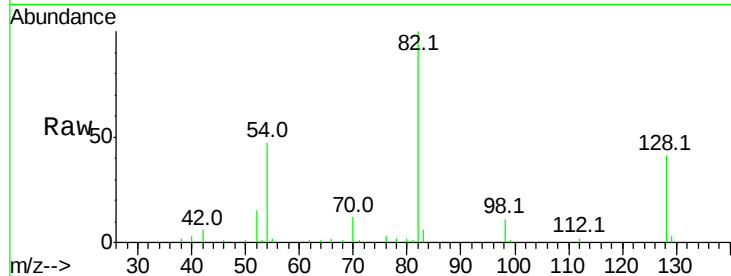




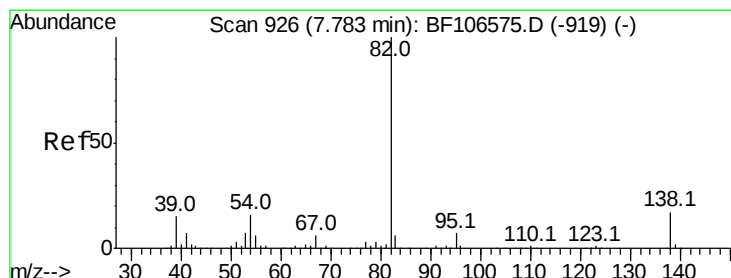
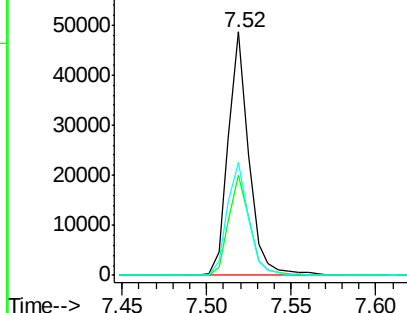
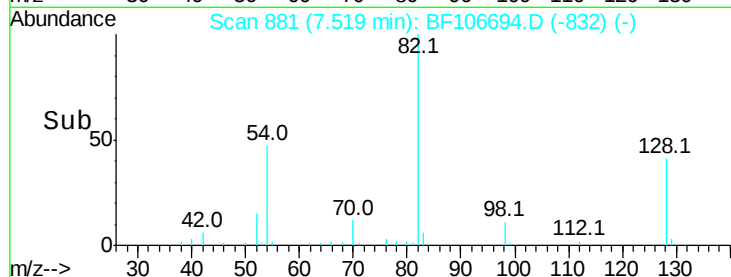
#23  
Nitrobenzene-d5  
Concen: 10.755 ng  
RT: 7.52 min Scan# 881  
Delta R.T. -0.01 min  
Lab File: BF106694.D  
Acq: 22 Jun 2018 8:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 41330  
Ion Ratio Lower Upper  
82 100  
128 41.3 36.1 54.1  
54 46.5 41.4 62.2

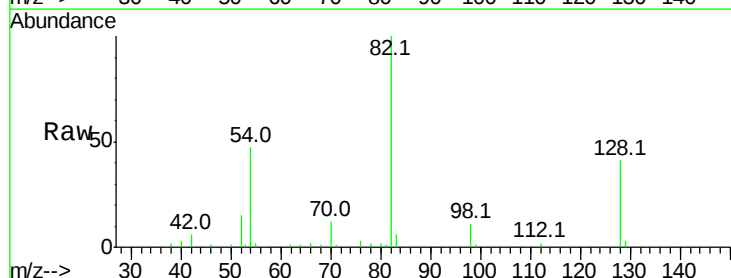


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

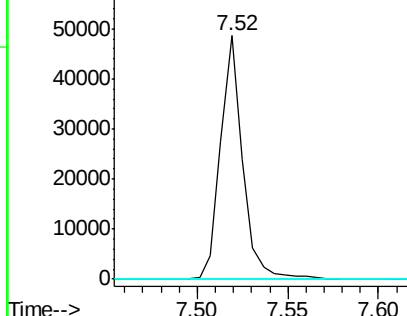
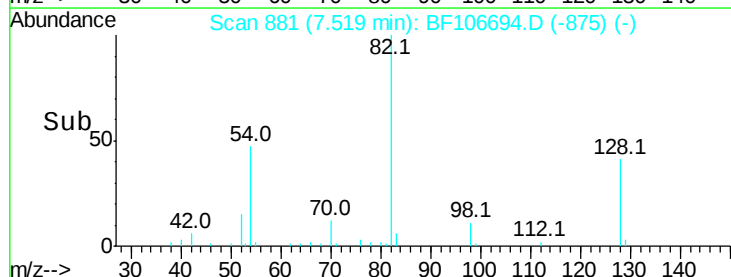


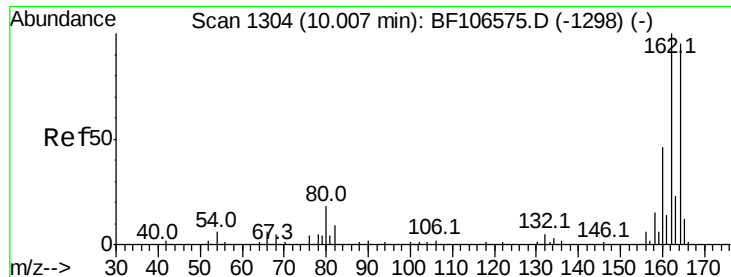
#25  
Isophorone  
Concen: 6.103 ng  
RT: 7.52 min Scan# 881  
Delta R.T. -0.26 min  
Lab File: BF106694.D  
Acq: 22 Jun 2018 8:18

Tgt Ion: 82 Resp: 41329  
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

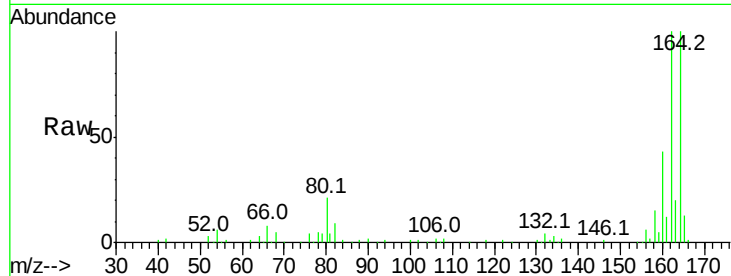




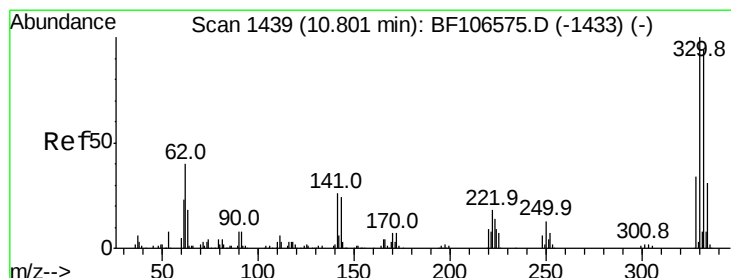
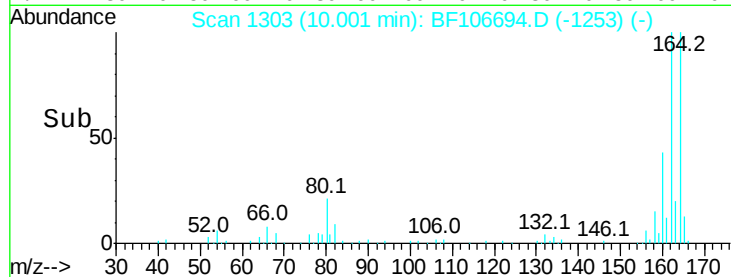
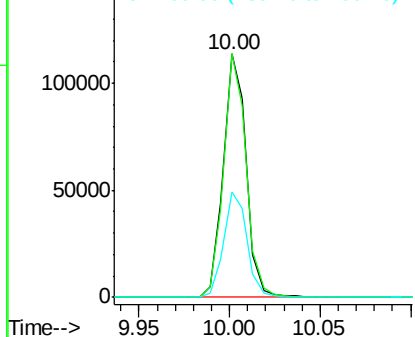
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.00 min Scan# 1303  
Delta R.T. -0.01 min  
Lab File: BF106694.D  
Acq: 22 Jun 2018 8:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 99755  
Ion Ratio Lower Upper  
164 100  
162 100.0 86.1 129.1  
160 43.5 38.3 57.5

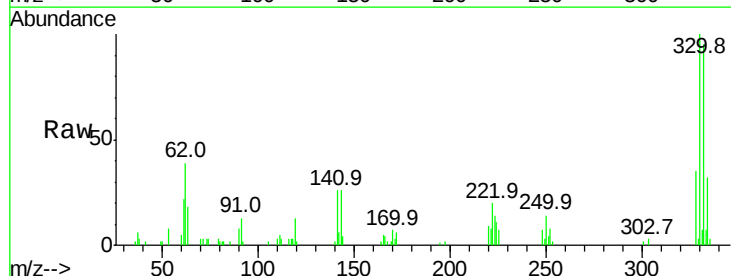


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

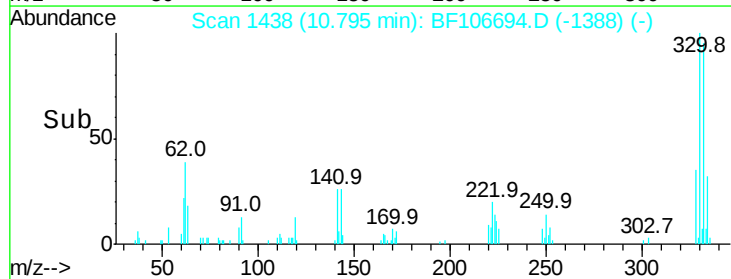
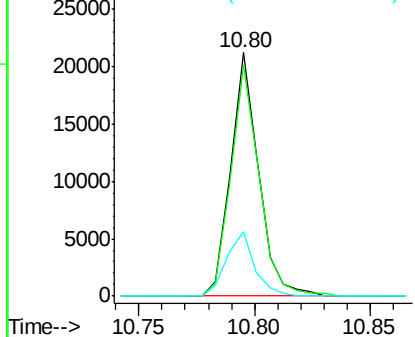


#41  
2,4,6-Tribromophenol  
Concen: 15.408 ng  
RT: 10.80 min Scan# 1438  
Delta R.T. -0.01 min  
Lab File: BF106694.D  
Acq: 22 Jun 2018 8:18

Tgt Ion:330 Resp: 17815  
Ion Ratio Lower Upper  
330 100  
332 96.8 77.0 115.6  
141 26.2 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

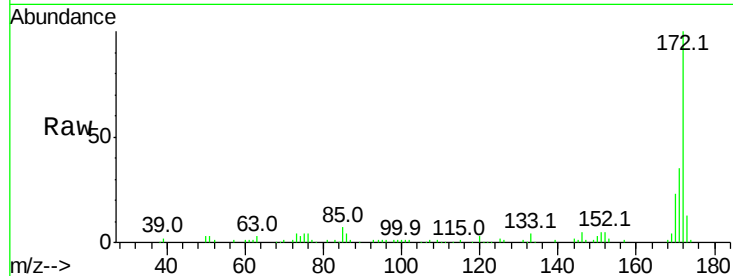




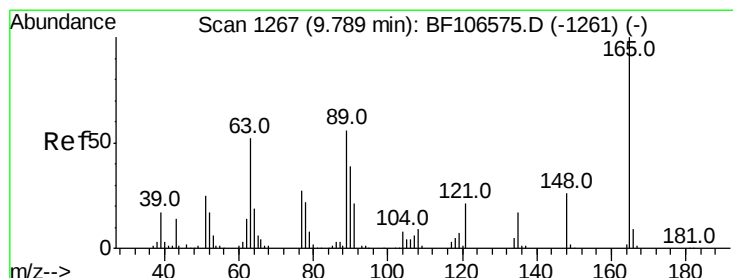
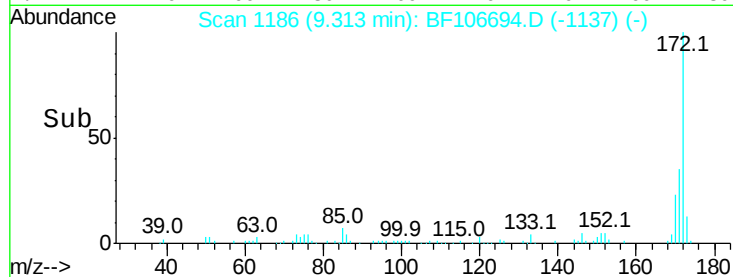
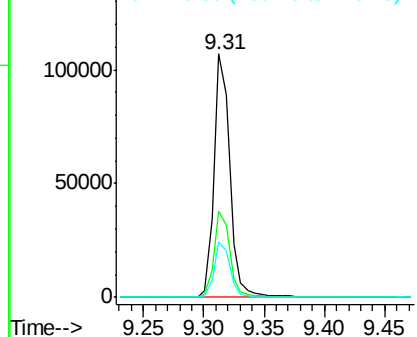
#44  
 2-Fluorobiphenyl  
 Concen: 2.058 ng  
 RT: 9.31 min Scan# 1186  
 Delta R.T. -0.01 min  
 Lab File: BF106694.D  
 Acq: 22 Jun 2018 8:18

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 96960  
 Ion Ratio Lower Upper  
 172 100  
 171 35.3 29.7 44.5  
 170 22.7 19.6 29.4

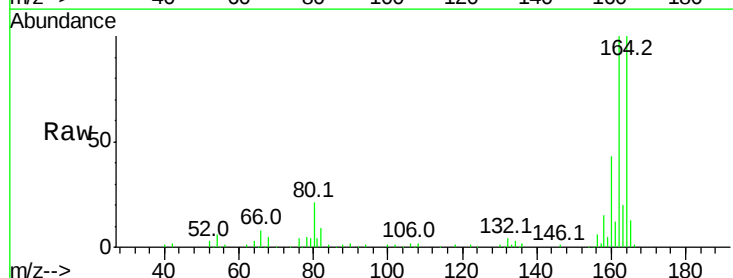


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

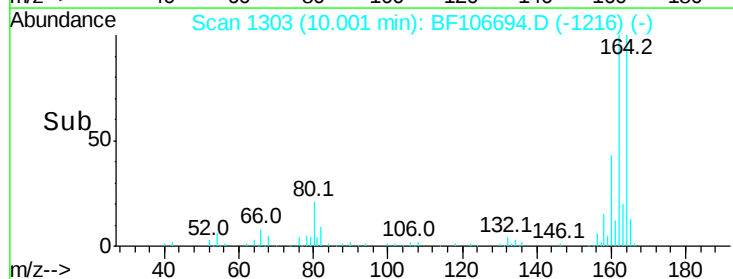
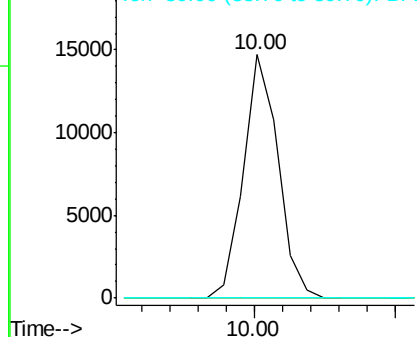


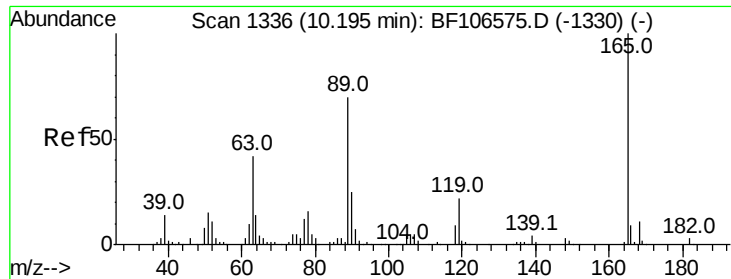
#50  
 2,6-Dinitrotoluene  
 Concen: 7.927 ng  
 RT: 10.00 min Scan# 1303  
 Delta R.T. 0.21 min  
 Lab File: BF106694.D  
 Acq: 22 Jun 2018 8:18

Tgt Ion:165 Resp: 12559  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 44.7 67.1#  
 89 0.0 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

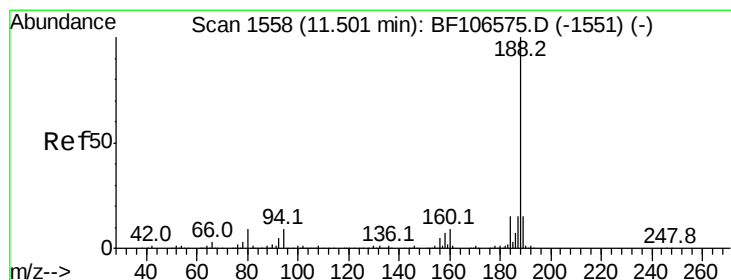
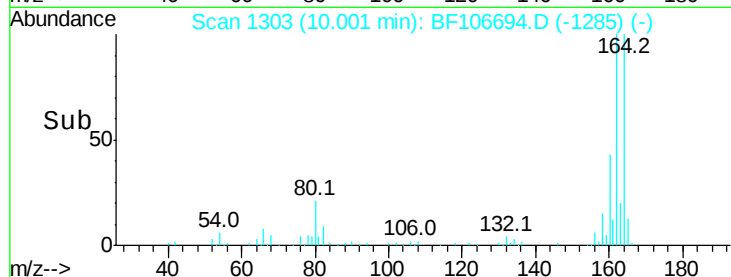
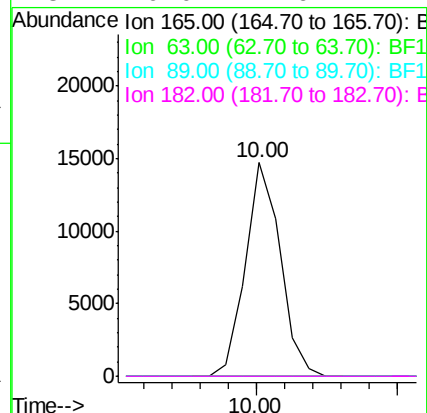
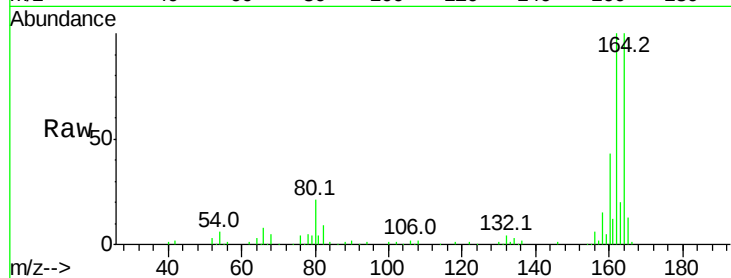




#56  
2,4-Dinitrotoluene  
Concen: 6.073 ng  
RT: 10.00 min Scan# 1303  
Delta R.T. -0.19 min  
Lab File: BF106694.D  
Acq: 22 Jun 2018 8:18

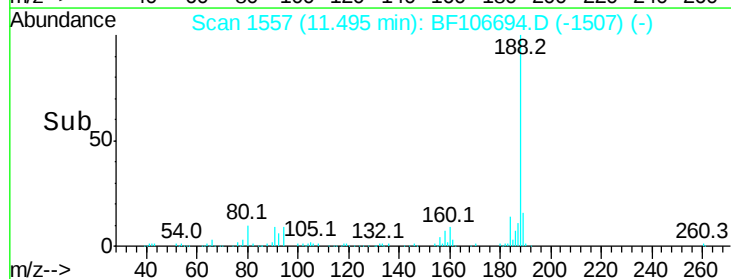
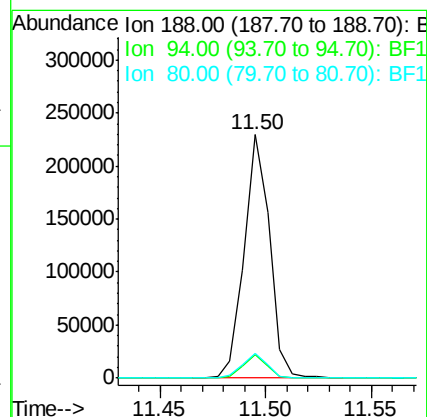
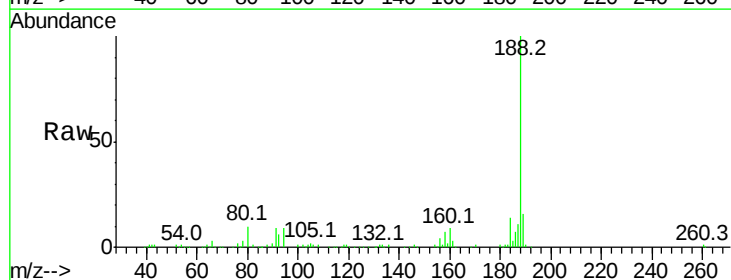
Instrument :  
BNA\_F  
ClientSampleId :

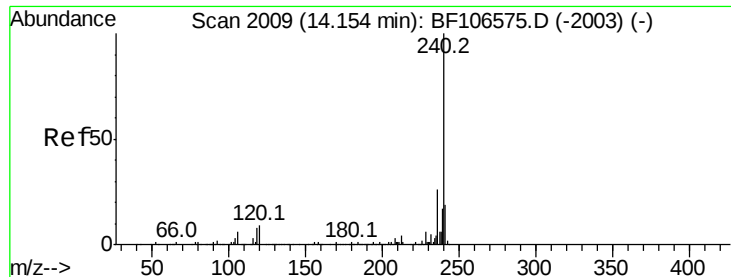
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 36.4  | 54.6# |
| 89      | 0.0   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1557  
Delta R.T. -0.01 min  
Lab File: BF106694.D  
Acq: 22 Jun 2018 8:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.4   | 8.5   | 12.7  |
| 80      | 10.3  | 9.2   | 13.8  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF106694.D

Acq: 22 Jun 2018 8:18

Instrument :

BNA\_F

ClientSampleId :

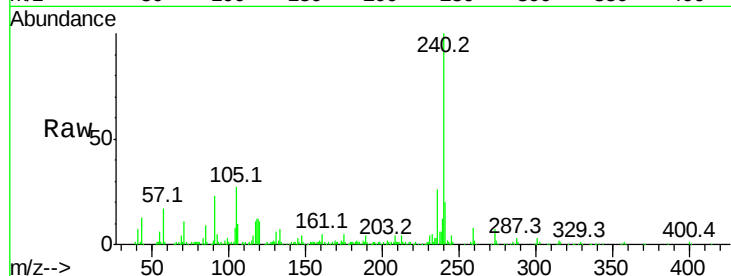
Tot Ion:240 Resp: 152919

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

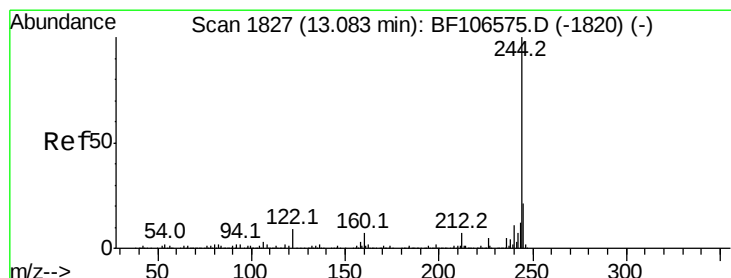
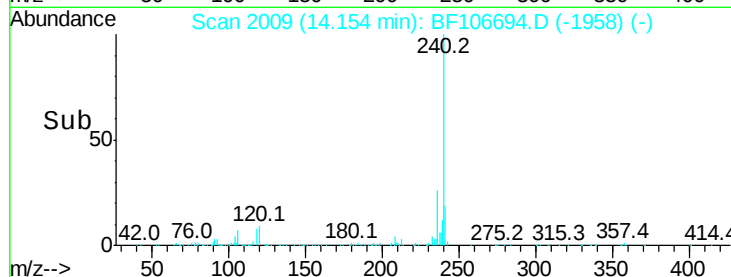
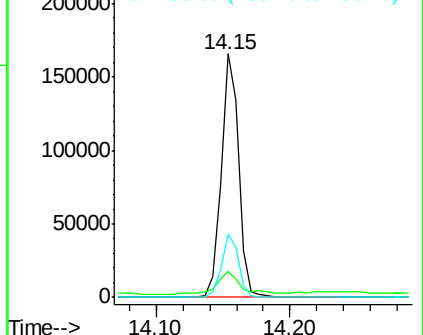
236 26.2 20.7 31.1



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



#78

Terphenyl-d14

Concen: 18.170 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF106694.D

Acq: 22 Jun 2018 8:18

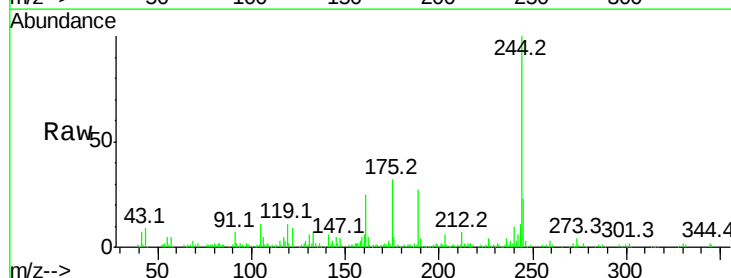
Tgt Ion:244 Resp: 114704

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

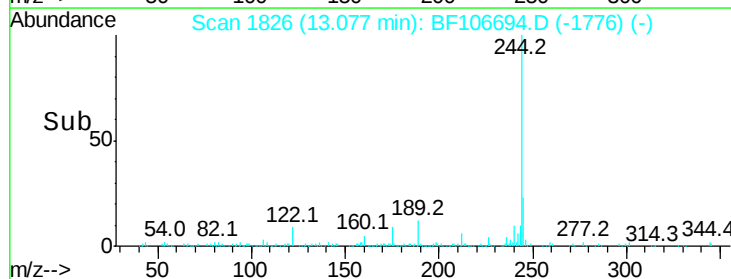
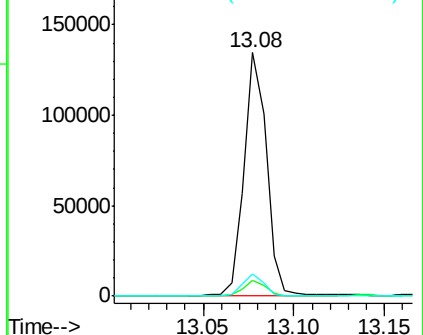
122 9.1 11.0 16.4#

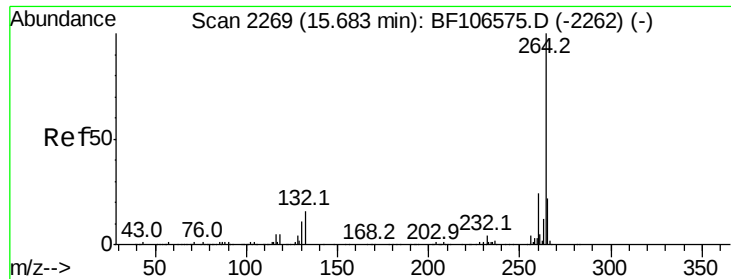


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.71 min Scan# 2273  
Delta R.T. 0.02 min  
Lab File: BF106694.D  
Acq: 22 Jun 2018 8:18

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.1  | 19.2  | 28.8  |
| 265     | 21.1  | 17.5  | 26.3  |

