

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062218\  
 Data File : BF106728.D  
 Acq On : 23 Jun 2018 00:07  
 Operator : JU/SJ  
 Sample : J3622-04  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-A

Quant Time: Jun 23 01:21:21 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 22 11:34:03 2018  
 Response via : Initial Calibration

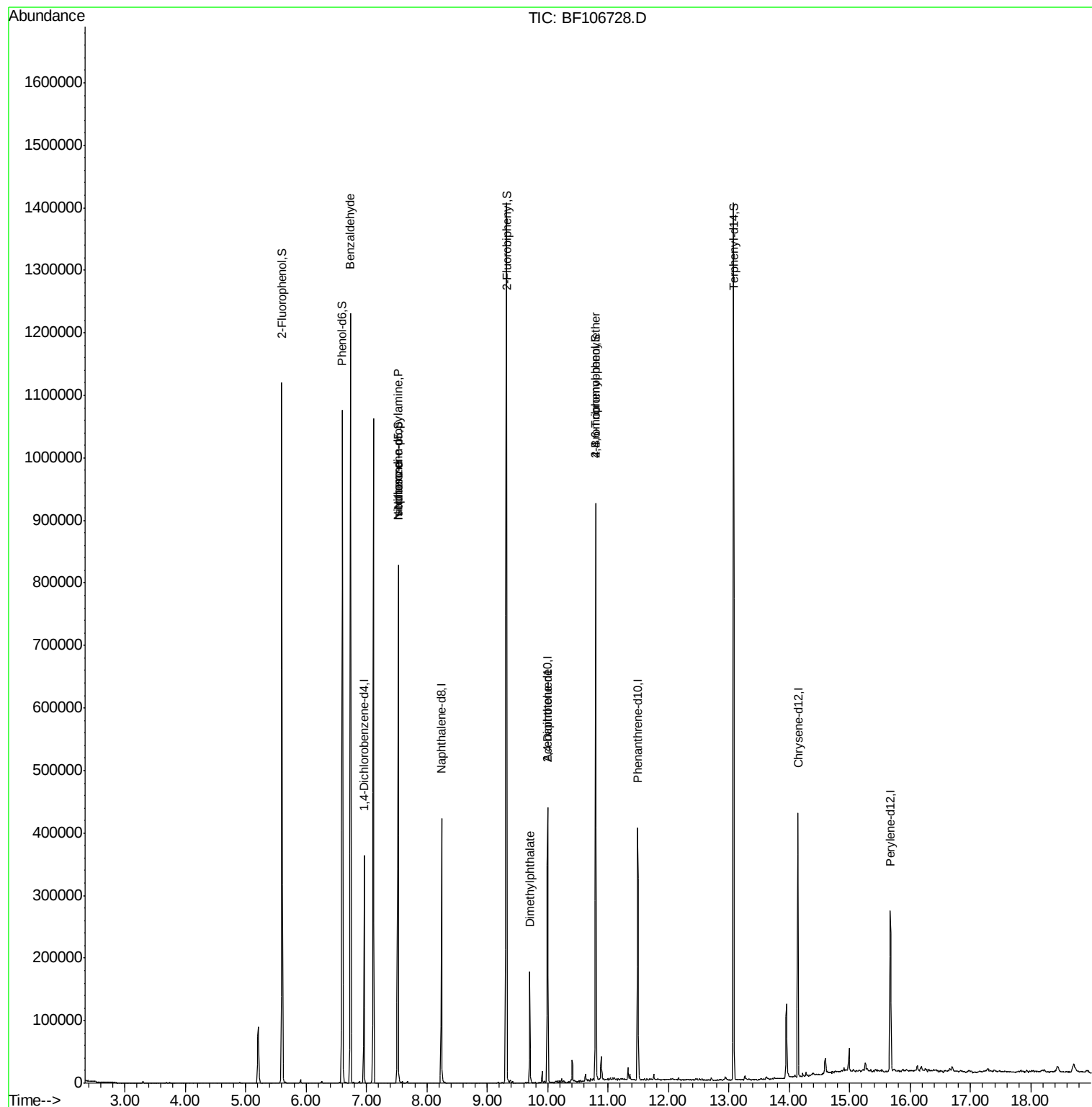
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.96  | 152  | 51026    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.24  | 136  | 188979   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.00 | 164  | 90440    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.49 | 188  | 156258   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12               | 14.14 | 240  | 148588   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.67 | 264  | 130702   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.61  | 112  | 361794   | 120.06 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.60  | 99   | 459008   | 121.98 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.52  | 82   | 297969   | 87.62  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.80 | 330  | 137654   | 131.32 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.32  | 172  | 522940   | 100.57 | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.08 | 244  | 525712   | 85.70  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.74  | 77   | 8087     | 2.548  | ng    | 83       |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70   | 38446    | 15.499 | ng    | # 73     |
| 25) Isophorone                 | 7.52  | 82   | 297967   | 49.726 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.71  | 163  | 74271    | 10.949 | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 10.00 | 165  | 11410    | 6.086  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.80 | 248  | 8496     | 4.556  | ng    | # 1      |

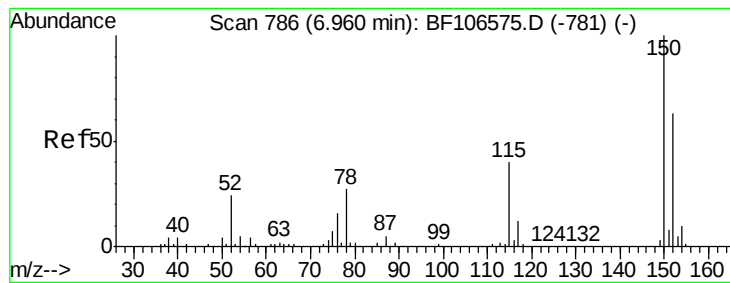
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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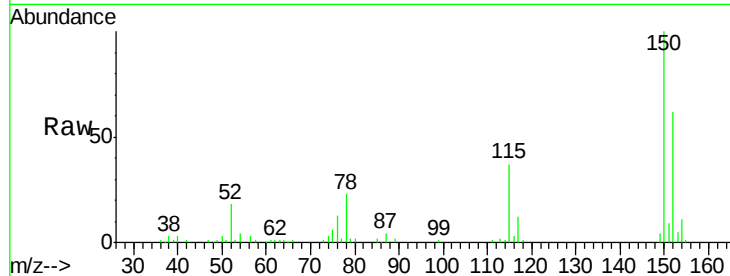


#1

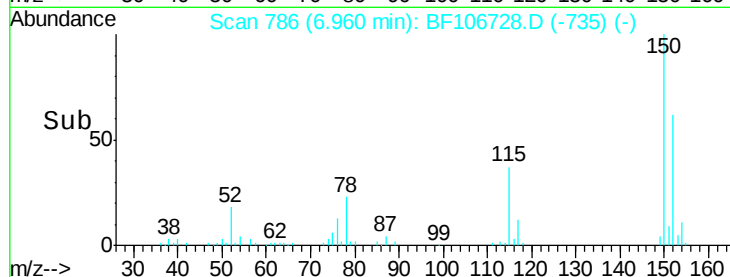
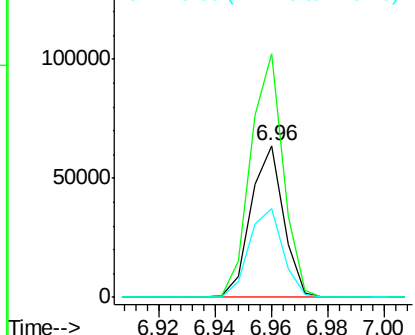
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 786  
Delta R.T. -0.00 min  
Lab File: BF106728.D  
Acq: 23 Jun 2018 00:07

Instrument :  
BNA\_F  
ClientSampleId :  
SP-A

Tgt Ion:152 Resp: 51026  
Ion Ratio Lower Upper  
152 100  
150 160.1 124.6 186.8  
115 58.6 50.1 75.1



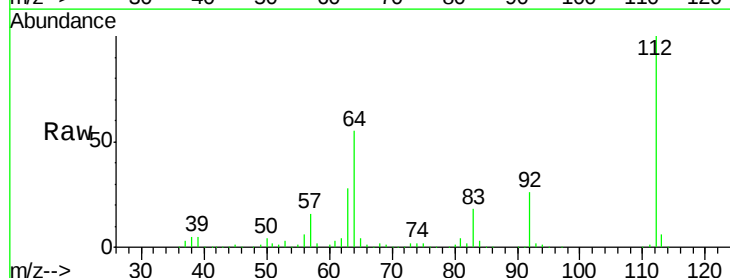
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



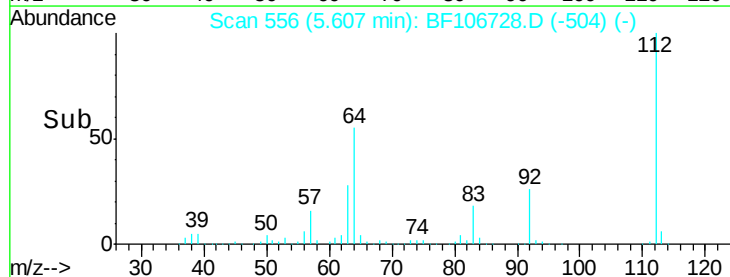
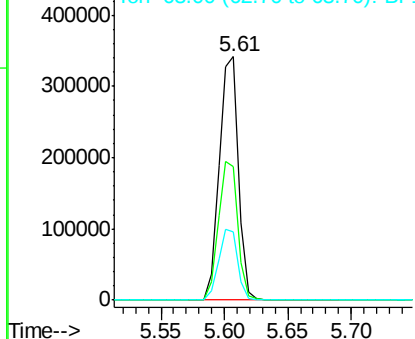
#5

2-Fluorophenol  
Concen: 120.063 ng  
RT: 5.61 min Scan# 556  
Delta R.T. 0.01 min  
Lab File: BF106728.D  
Acq: 23 Jun 2018 00:07

Tgt Ion:112 Resp: 361794  
Ion Ratio Lower Upper  
112 100  
64 55.1 47.9 71.9  
63 27.8 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: 121.975 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF106728.D

Acq: 23 Jun 2018 00:07

Instrument :

BNA\_F

ClientSampled :

SP-A

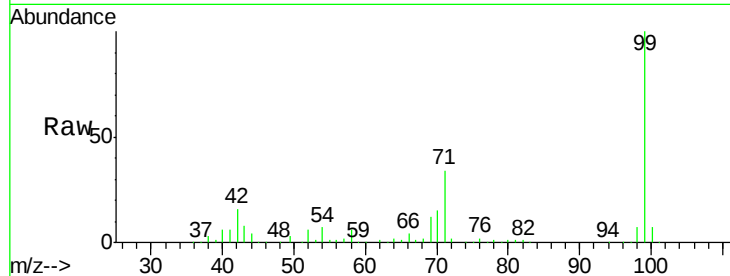
Tgt Ion: 99 Resp: 459008

Ion Ratio Lower Upper

99 100

42 16.4 14.5 21.7

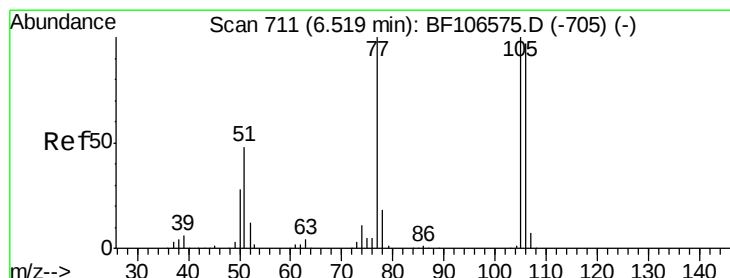
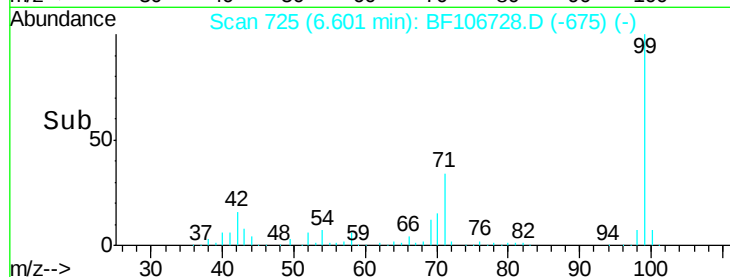
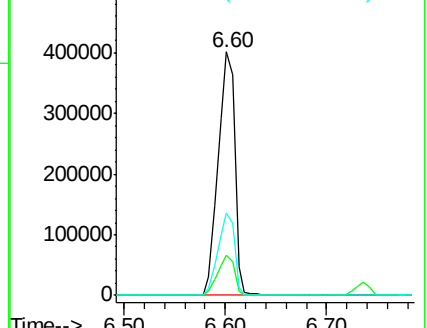
71 33.8 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.548 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF106728.D

Acq: 23 Jun 2018 00:07

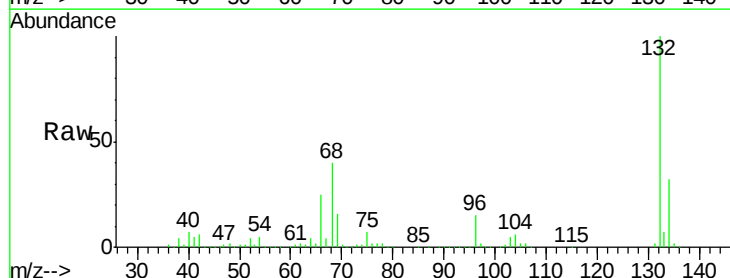
Tgt Ion: 77 Resp: 8087

Ion Ratio Lower Upper

77 100

105 82.0 81.1 121.1

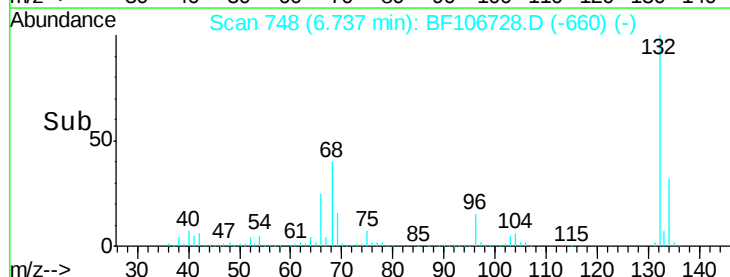
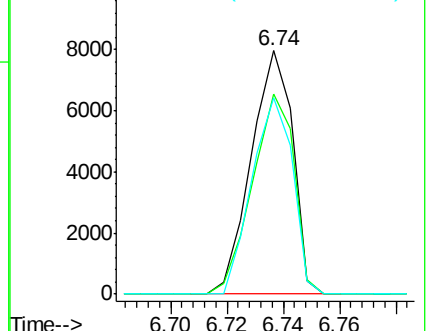
106 80.5 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

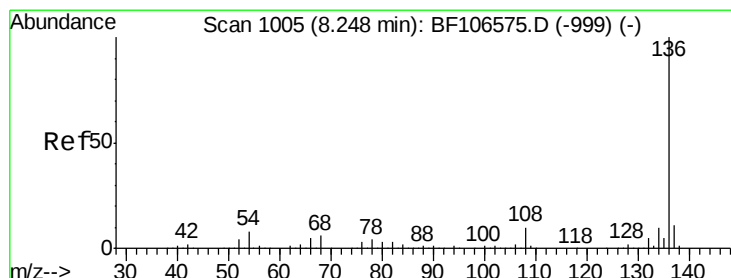
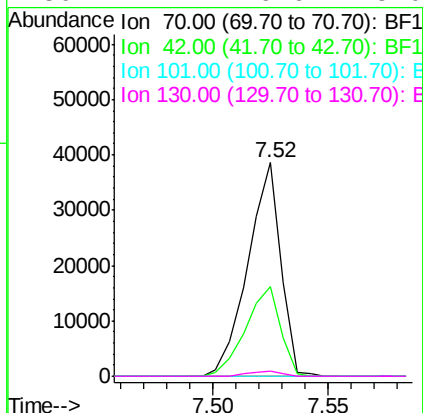
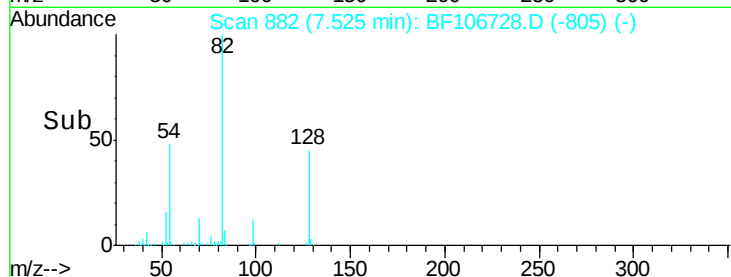
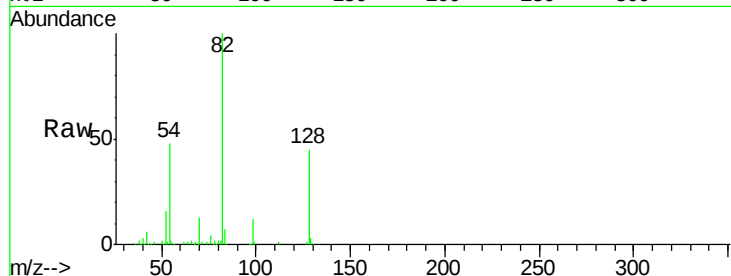




#19  
n-Nitroso-di-n-propylamine  
Concen: 15.499 ng  
RT: 7.52 min Scan# 882  
Delta R.T. 0.15 min  
Lab File: BF106728.D  
Acq: 23 Jun 2018 00:07

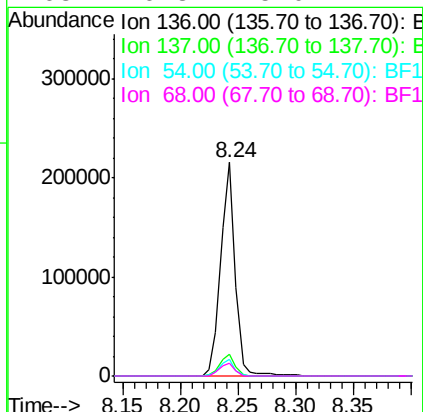
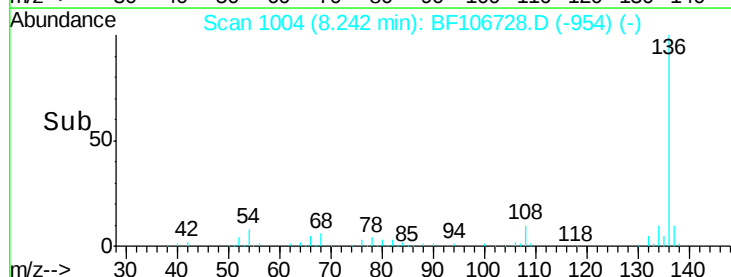
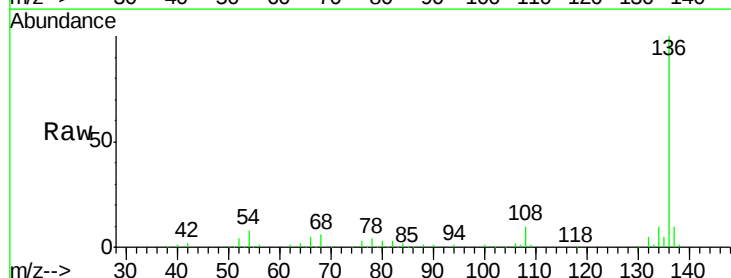
Instrument :  
BNA\_F  
ClientSampleId :  
SP-A

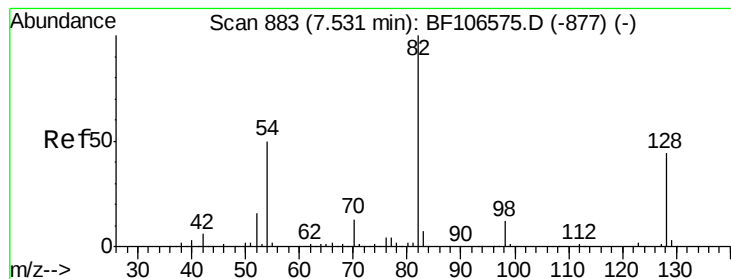
Tgt Ion: 70 Resp: 38446  
Ion Ratio Lower Upper  
70 100  
42 42.1 47.5 71.3#  
101 0.0 7.4 11.2#  
130 2.1 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.24 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BF106728.D  
Acq: 23 Jun 2018 00:07

Tgt Ion: 136 Resp: 188979  
Ion Ratio Lower Upper  
136 100  
137 10.4 8.9 13.3  
54 7.6 6.6 9.8  
68 6.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 87.625 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF106728.D

Acq: 23 Jun 2018 00:07

Instrument :

BNA\_F

ClientSampled :

SP-A

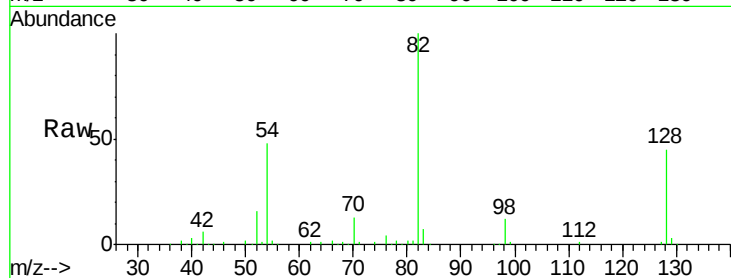
Tgt Ion: 82 Resp: 297969

Ion Ratio Lower Upper

82 100

128 45.2 36.1 54.1

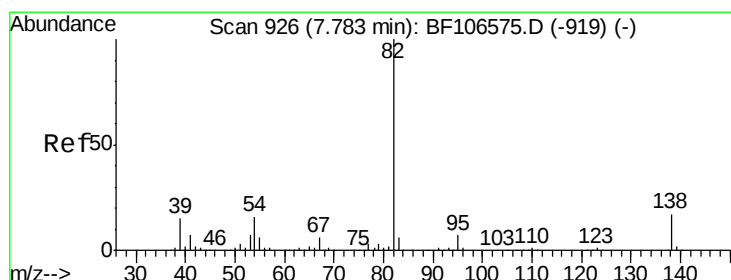
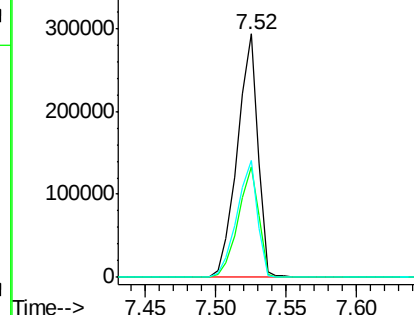
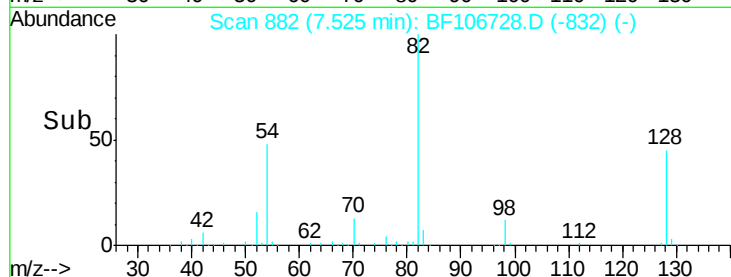
54 48.2 41.4 62.2



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: 49.726 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106728.D

Acq: 23 Jun 2018 00:07

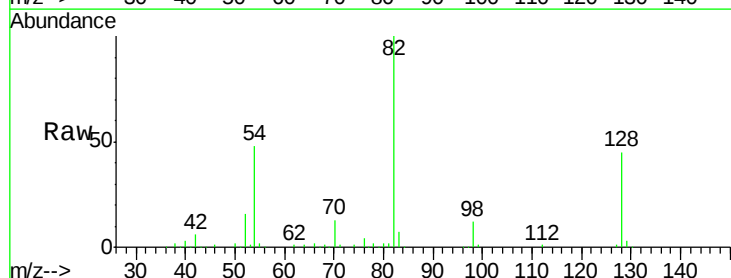
Tgt Ion: 82 Resp: 297967

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

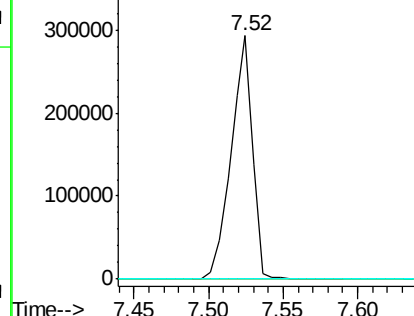
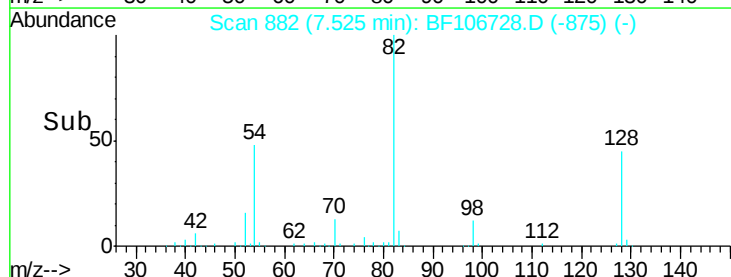
138 0.0 14.9 22.3#

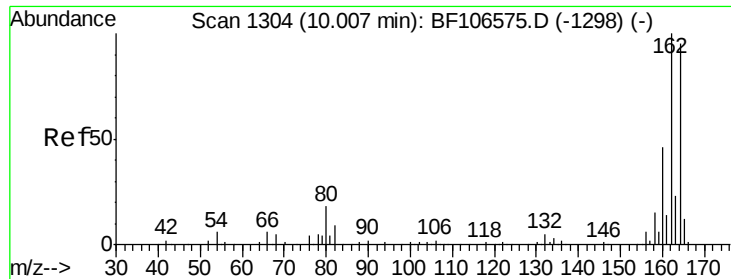


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

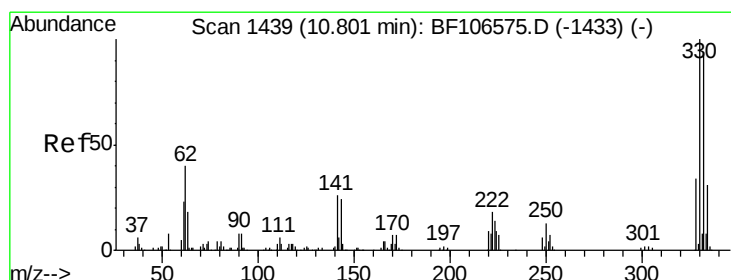
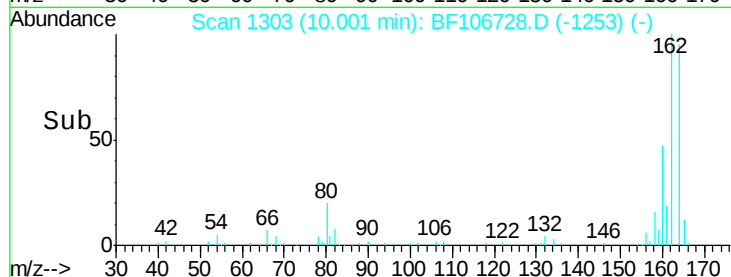
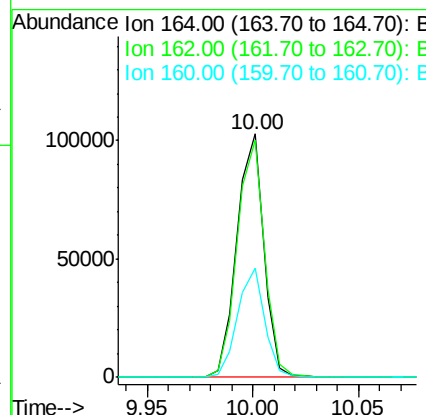
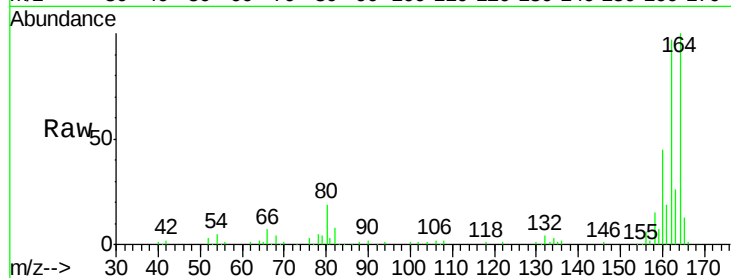




#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 10.00 min Scan# 1303  
 Delta R.T. -0.01 min  
 Lab File: BF106728.D  
 Acq: 23 Jun 2018 00:07

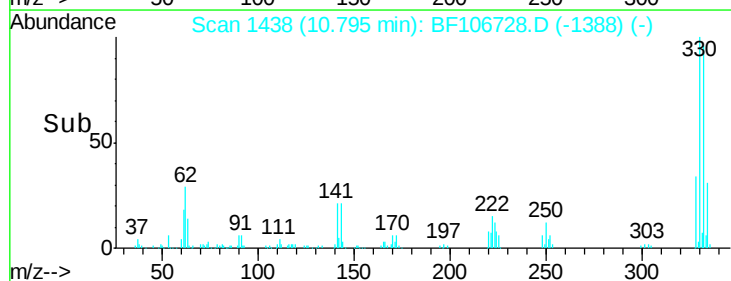
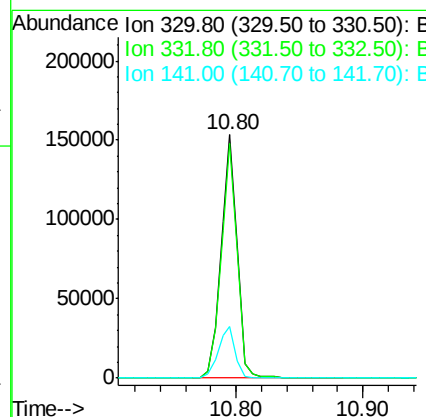
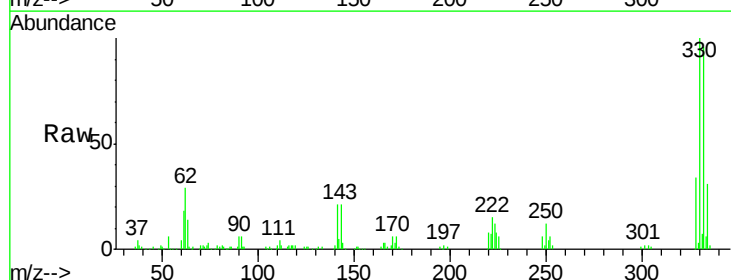
Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-A

Tgt Ion:164 Resp: 90440  
 Ion Ratio Lower Upper  
 164 100  
 162 97.3 86.1 129.1  
 160 45.0 38.3 57.5



#41  
 2,4,6-Tribromophenol  
 Concen: 131.321 ng  
 RT: 10.80 min Scan# 1438  
 Delta R.T. -0.01 min  
 Lab File: BF106728.D  
 Acq: 23 Jun 2018 00:07

Tgt Ion:330 Resp: 137654  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 77.0 115.6  
 141 22.3 29.9 44.9#

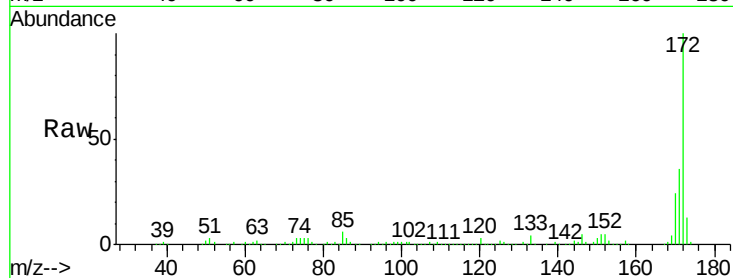




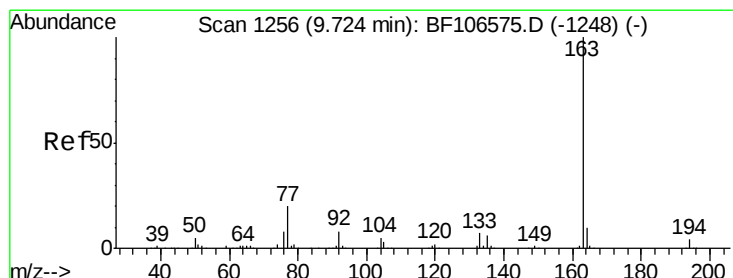
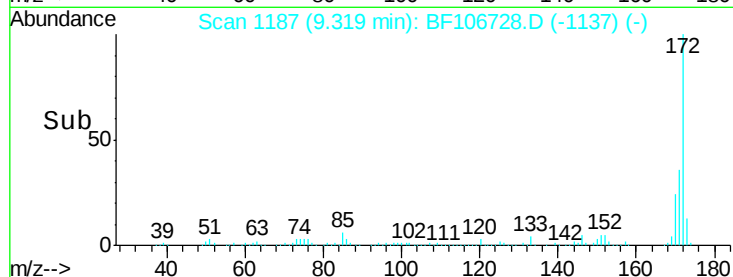
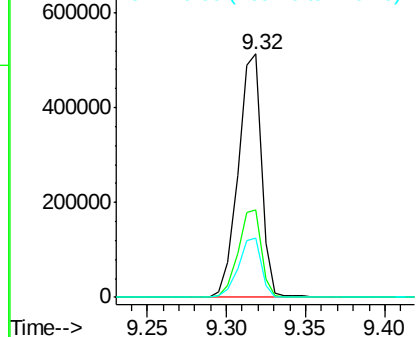
#44  
2-Fluorobiphenyl  
Concen: 100.573 ng  
RT: 9.32 min Scan# 1187  
Delta R.T. -0.01 min  
Lab File: BF106728.D  
Acq: 23 Jun 2018 00:07

Instrument :  
BNA\_F  
ClientSampleId :  
SP-A

Tgt Ion:172 Resp: 522940  
Ion Ratio Lower Upper  
172 100  
171 36.1 29.7 44.5  
170 24.1 19.6 29.4

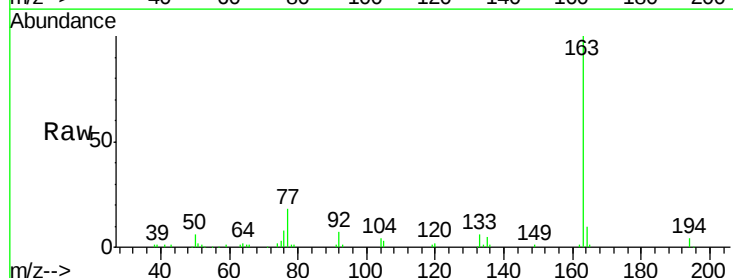


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

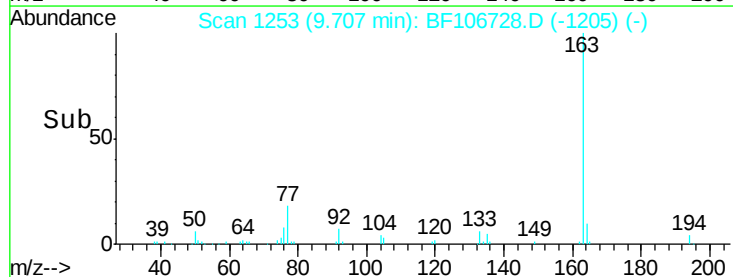
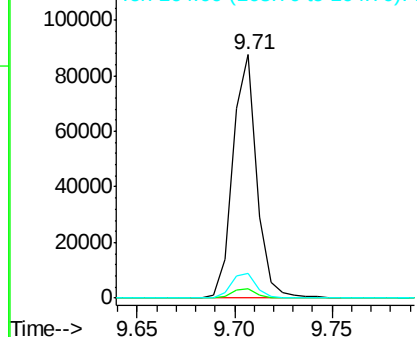


#49  
Dimethylphthalate  
Concen: 10.949 ng  
RT: 9.71 min Scan# 1253  
Delta R.T. -0.02 min  
Lab File: BF106728.D  
Acq: 23 Jun 2018 00:07

Tgt Ion:163 Resp: 74271  
Ion Ratio Lower Upper  
163 100  
194 4.0 2.7 4.1  
164 10.1 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

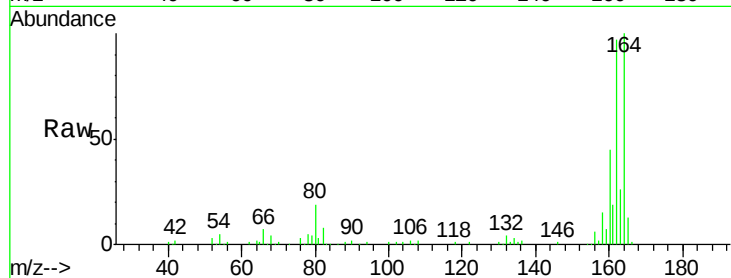




#56  
2,4-Dinitrotoluene  
Concen: 6.086 ng  
RT: 10.00 min Scan# 1303  
Delta R.T. -0.19 min  
Lab File: BF106728.D  
Acq: 23 Jun 2018 00:07

Instrument :  
BNA\_F  
ClientSampleId :  
SP-A

| Tgt 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#  |

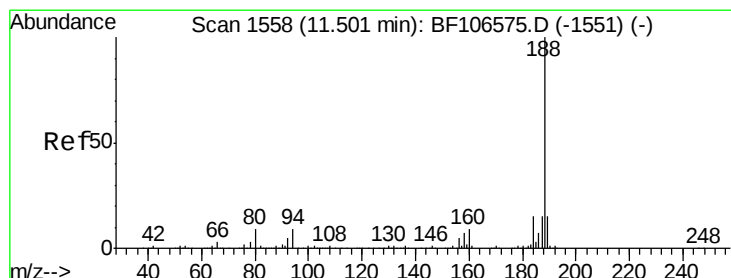
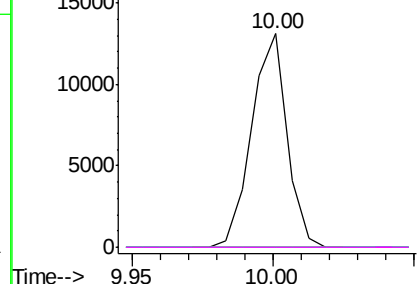
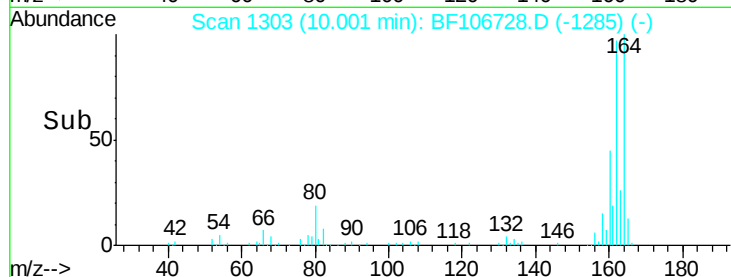


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

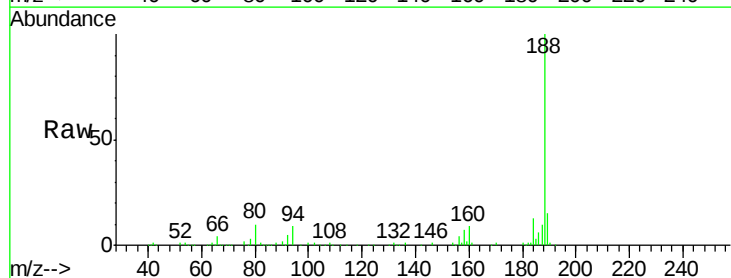
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.49 min Scan# 1556  
Delta R.T. -0.01 min  
Lab File: BF106728.D  
Acq: 23 Jun 2018 00:07

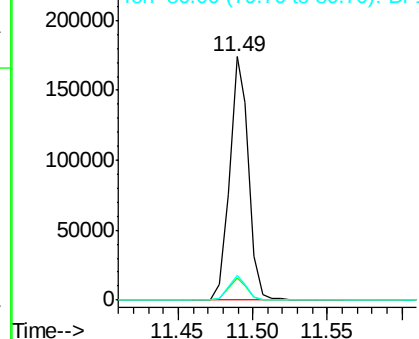
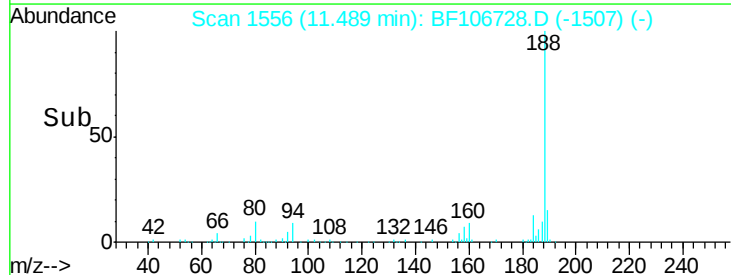
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.0   | 8.5   | 12.7  |
| 80      | 10.3  | 9.2   | 13.8  |



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

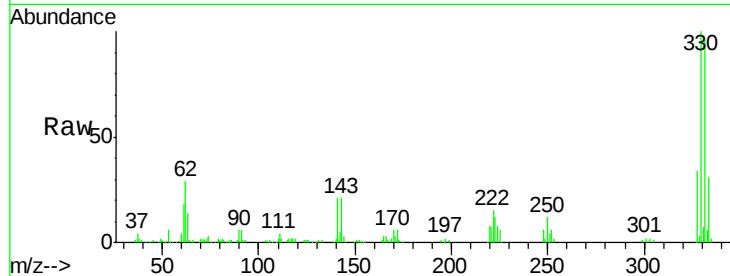




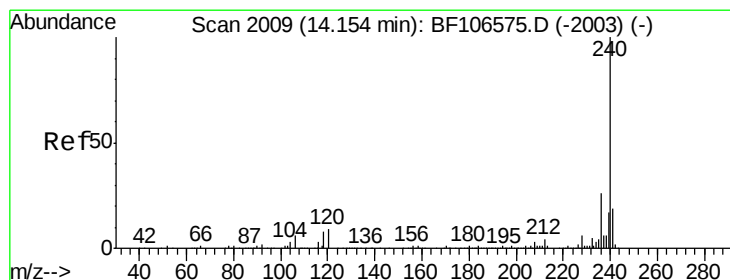
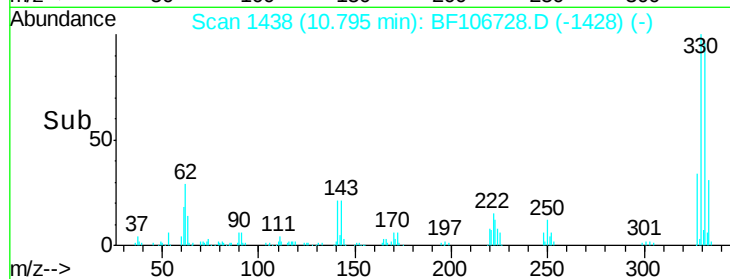
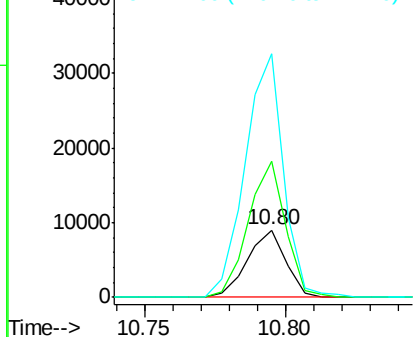
#66  
4-Bromophenyl-phenylether  
Concen: 4.556 ng  
RT: 10.80 min Scan# 1438  
Delta R.T. -0.24 min  
Lab File: BF106728.D  
Acq: 23 Jun 2018 00:07

Instrument :  
BNA\_F  
ClientSampleId :  
SP-A

Tgt Ion:248 Resp: 8496  
Ion Ratio Lower Upper  
248 100  
250 201.1 76.9 115.3#  
141 361.4 74.4 111.6#

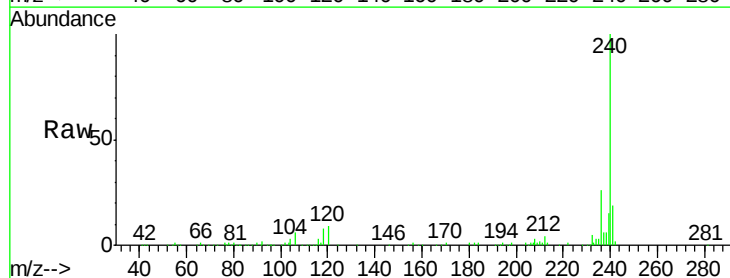


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

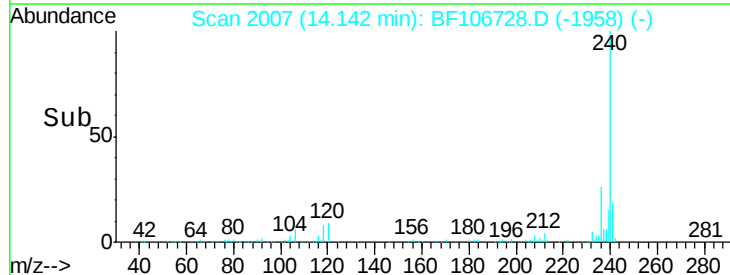
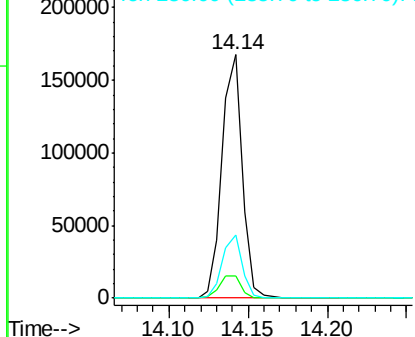


#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.14 min Scan# 2007  
Delta R.T. -0.01 min  
Lab File: BF106728.D  
Acq: 23 Jun 2018 00:07

Tgt Ion:240 Resp: 148588  
Ion Ratio Lower Upper  
240 100  
120 9.1 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

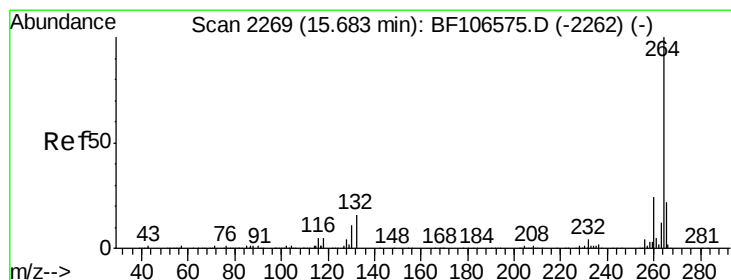
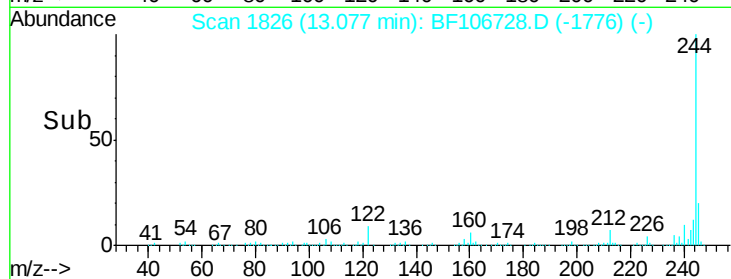
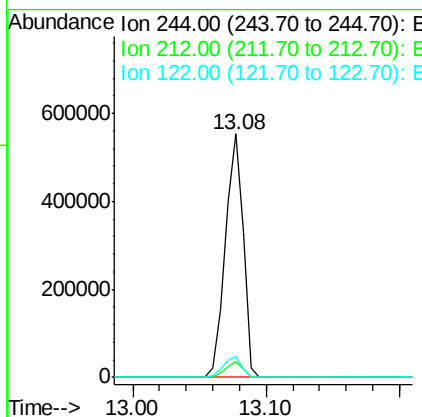
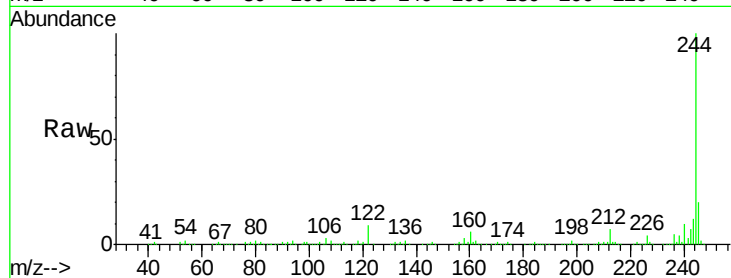




#78  
 Terphenyl-d14  
 Concen: 85.702 ng  
 RT: 13.08 min Scan# 1826  
 Delta R.T. -0.01 min  
 Lab File: BF106728.D  
 Acq: 23 Jun 2018 00:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SP-A

Tgt Ion:244 Resp: 525712  
 Ion Ratio Lower Upper  
 244 100  
 212 6.6 5.4 8.0  
 122 8.8 11.0 16.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.67 min Scan# 2267  
 Delta R.T. -0.02 min  
 Lab File: BF106728.D  
 Acq: 23 Jun 2018 00:07

Tgt Ion:264 Resp: 130702  
 Ion Ratio Lower Upper  
 264 100  
 260 23.1 19.2 28.8  
 265 21.7 17.5 26.3

