

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\  
 Data File : BF106773.D  
 Acq On : 25 Jun 2018 16:10  
 Operator : JU/SJ  
 Sample : J3622-12RE  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jun 25 18:50:39 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

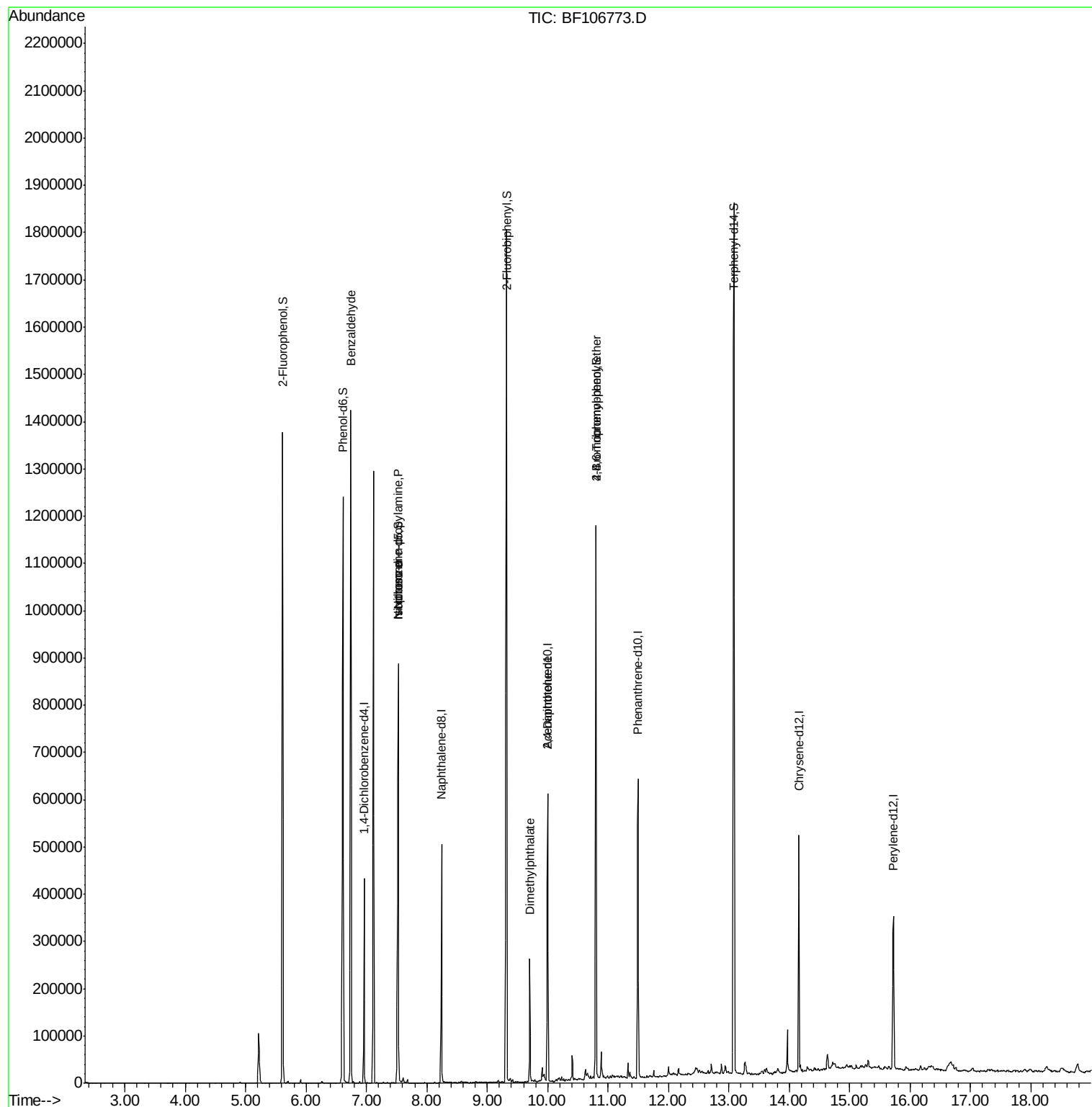
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.96  | 152  | 61032    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.24  | 136  | 231749   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.00 | 164  | 121867   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.50 | 188  | 244127   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.16 | 240  | 179383   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.72 | 264  | 167558   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.61  | 112  | 443306   | 122.99 | ng    | 0.01     |
| 7) Phenol-d6                   | 6.61  | 99   | 562133   | 124.89 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.52  | 82   | 373699   | 89.61  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.80 | 330  | 205152   | 145.24 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.32  | 172  | 674709   | 95.54  | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.08 | 244  | 796219   | 107.52 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.74  | 77   | 10034    | 2.641  | ng    | 83       |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70   | 49460    | 16.670 | ng    | # 73     |
| 25) Isophorone                 | 7.52  | 82   | 370383   | 50.403 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.71  | 163  | 98235    | 10.748 | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 10.00 | 165  | 15342    | 6.073  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.80 | 248  | 12533    | 4.302  | ng    | # 1      |

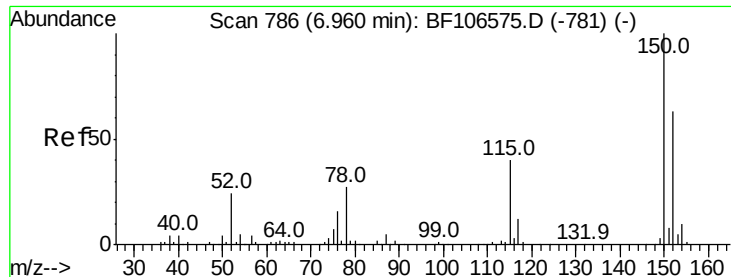
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J3622-12RE  
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BNA\_F  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jun 25 18:50:17 2018  
Response via : Initial Calibration



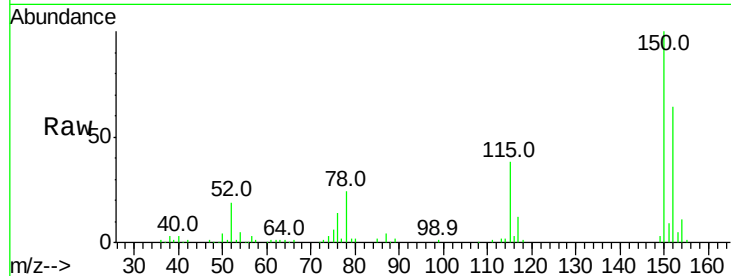


#1

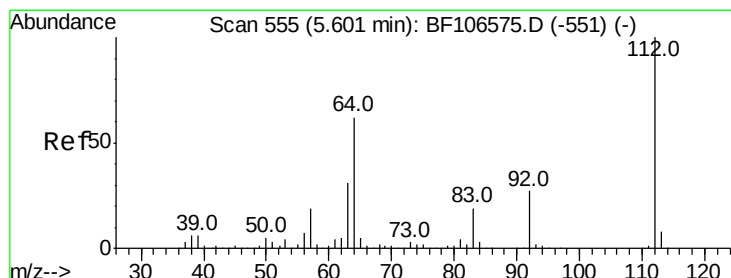
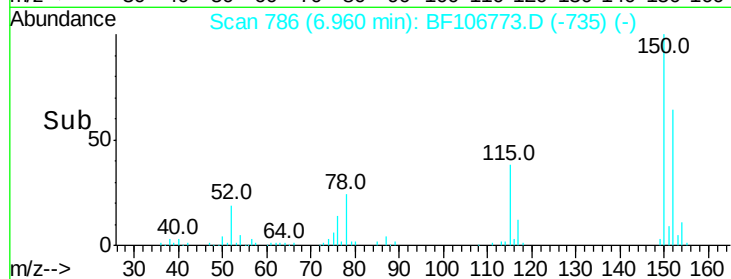
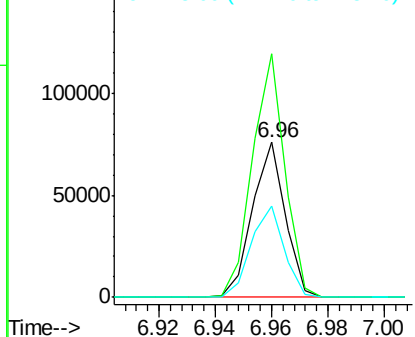
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 786  
Delta R.T. -0.00 min  
Lab File: BF106773.D  
Acq: 25 Jun 2018 16:10

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 61032  
Ion Ratio Lower Upper  
152 100  
150 157.1 124.6 186.8  
115 59.2 50.1 75.1



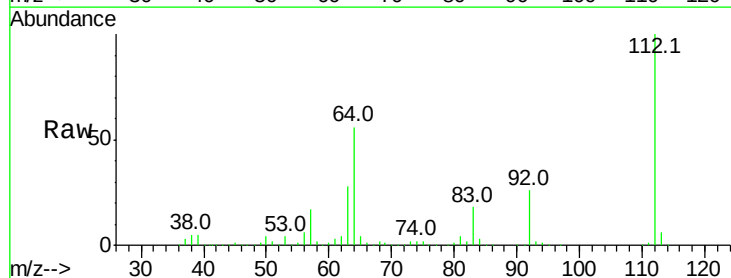
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



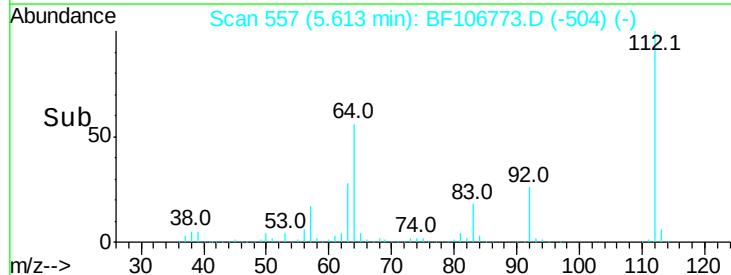
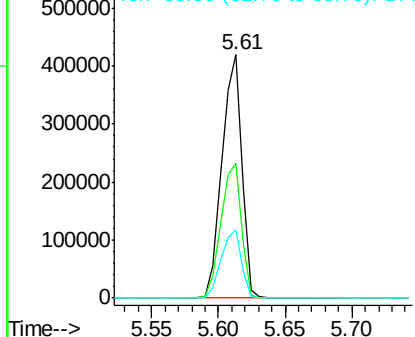
#5

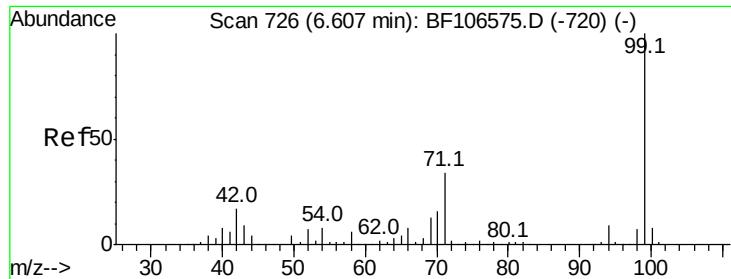
2-Fluorophenol  
Concen: 122.994 ng  
RT: 5.61 min Scan# 557  
Delta R.T. 0.01 min  
Lab File: BF106773.D  
Acq: 25 Jun 2018 16:10

Tgt Ion:112 Resp: 443306  
Ion Ratio Lower Upper  
112 100  
64 55.6 47.9 71.9  
63 28.3 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: 124.889 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.00 min

Lab File: BF106773.D

Acq: 25 Jun 2018 16:10

Instrument :

BNA\_F

ClientSampleId :

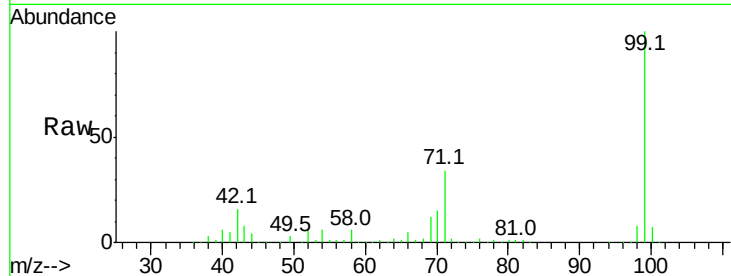
Tot Ion: 99 Resp: 562133

Ion Ratio Lower Upper

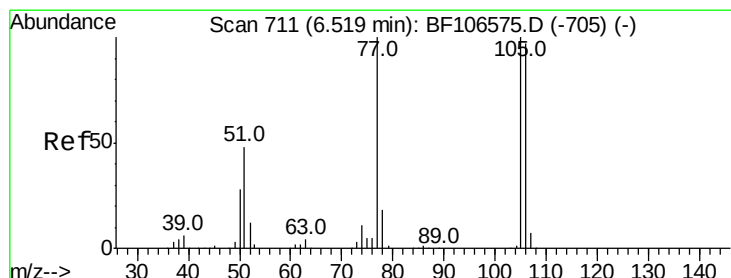
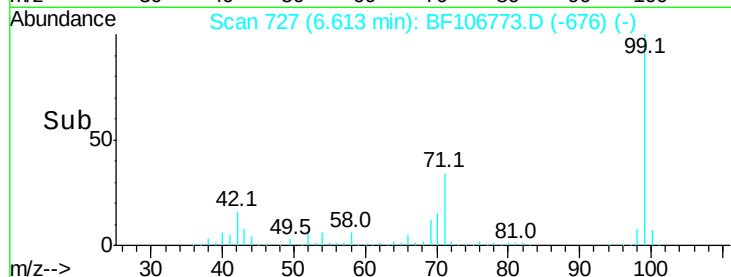
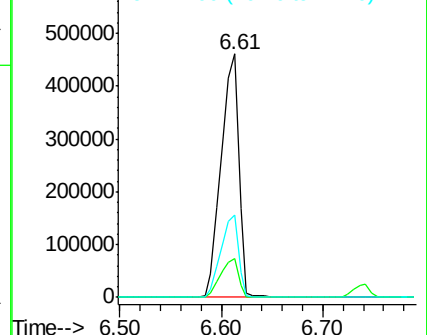
99 100

42 15.8 14.5 21.7

71 33.9 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: 2.641 ng

RT: 6.74 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF106773.D

Acq: 25 Jun 2018 16:10

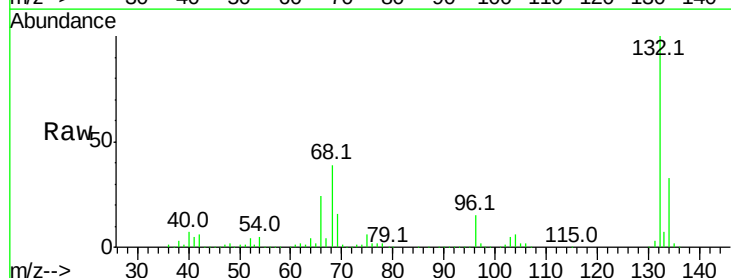
Tgt Ion: 77 Resp: 10034

Ion Ratio Lower Upper

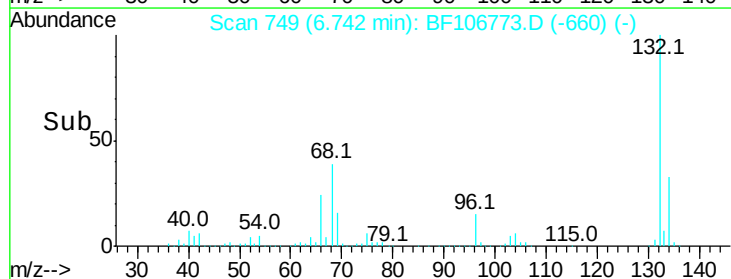
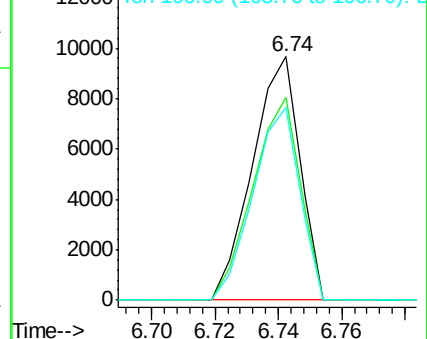
77 100

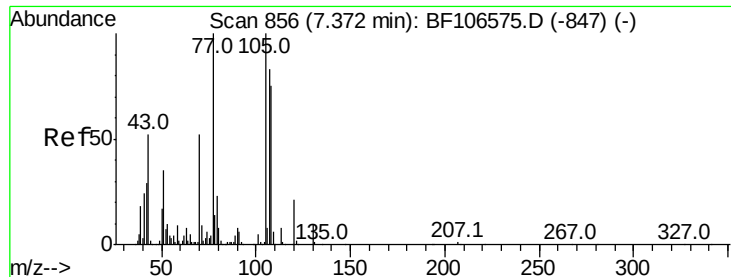
105 83.0 81.1 121.1

106 79.0 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 105.00 (104.70 to 105.70): BF1  
Ion 106.00 (105.70 to 106.70): BF1

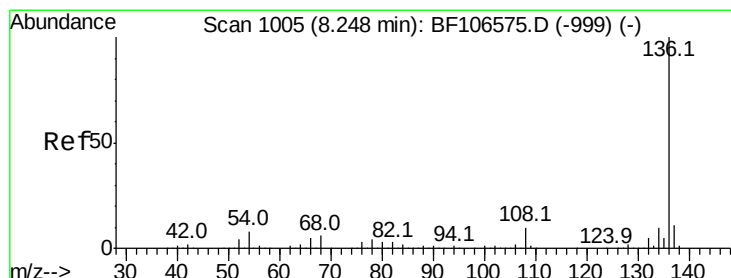
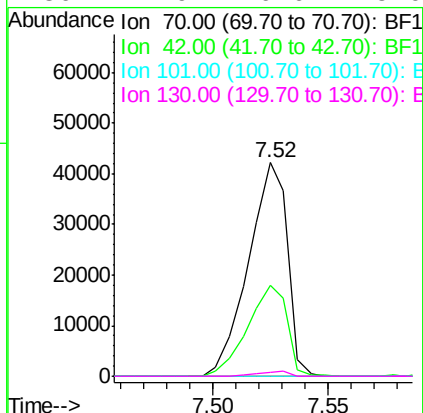
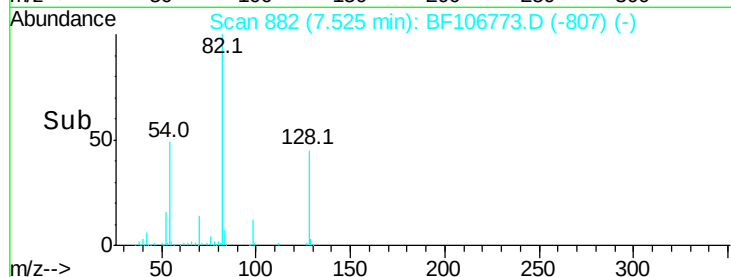
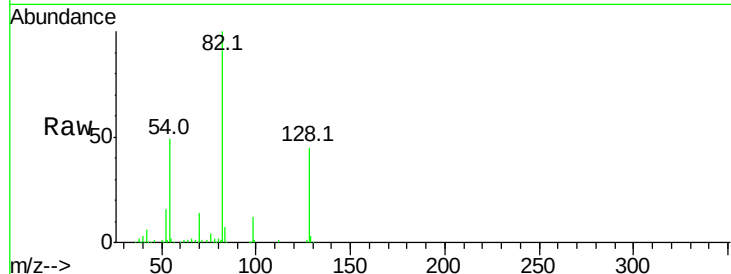




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.670 ng  
RT: 7.52 min Scan# 882  
Delta R.T. 0.14 min  
Lab File: BF106773.D  
Acq: 25 Jun 2018 16:10

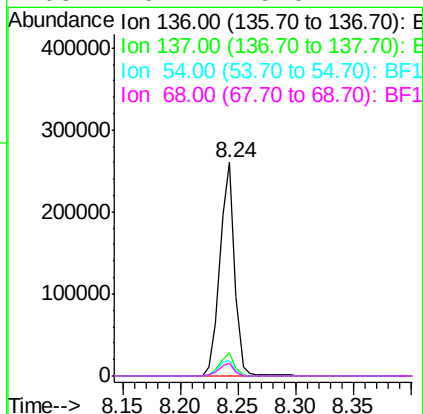
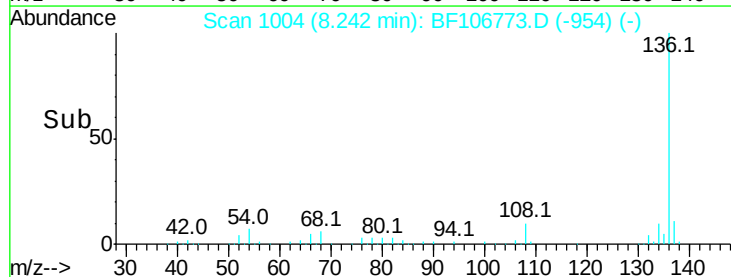
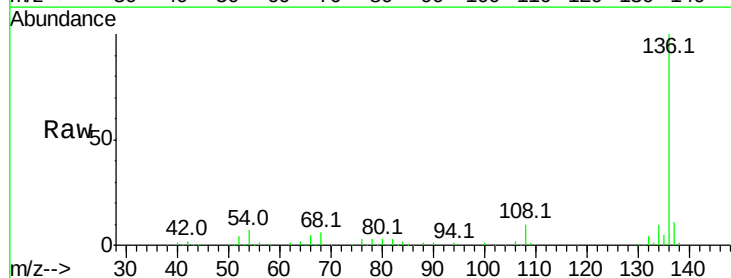
Instrument :  
BNA\_F  
ClientSampleId :

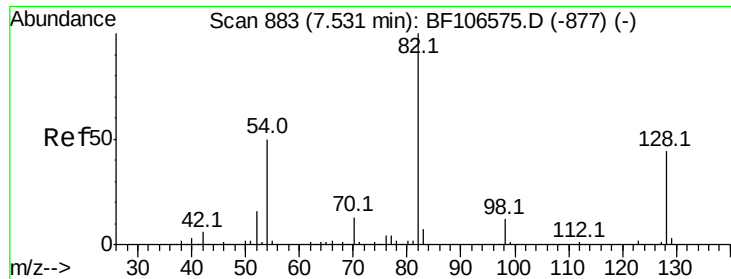
Tot Ion: 70 Resp: 49460  
Ion Ratio Lower Upper  
70 100  
42 42.6 47.5 71.3#  
101 0.0 7.4 11.2#  
130 1.9 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.24 min Scan# 1004  
Delta R.T. -0.01 min  
Lab File: BF106773.D  
Acq: 25 Jun 2018 16:10

Tgt Ion: 136 Resp: 231749  
Ion Ratio Lower Upper  
136 100  
137 10.6 8.9 13.3  
54 7.1 6.6 9.8  
68 5.7 5.0 7.4

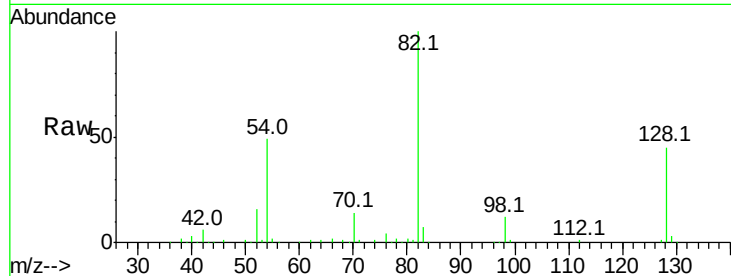




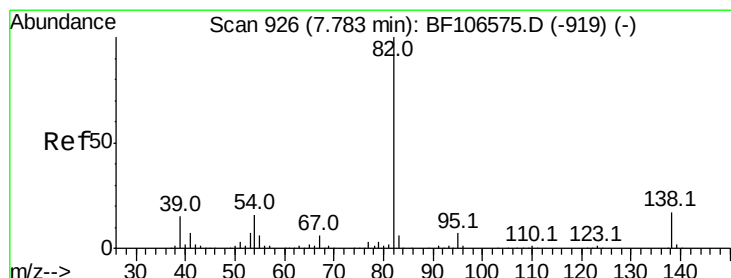
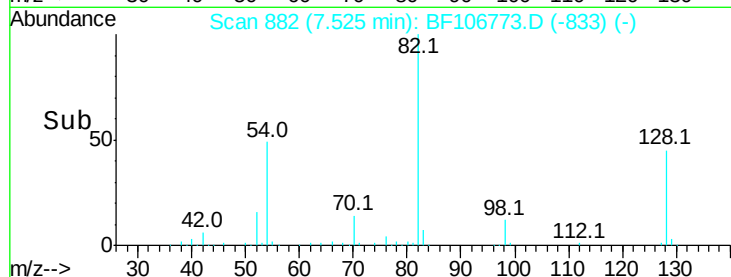
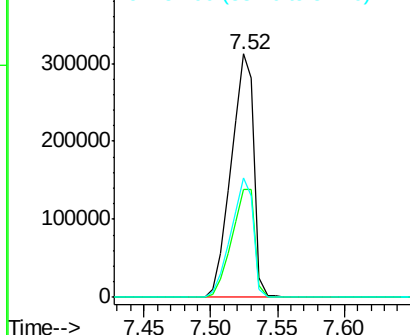
#23  
Nitrobenzene-d5  
Concen: 89.613 ng  
RT: 7.52 min Scan# 882  
Delta R.T. -0.01 min  
Lab File: BF106773.D  
Acq: 25 Jun 2018 16:10

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion   | 82    | Resp  | 373699 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 44.5  | 36.1  | 54.1   |
| 54        | 49.1  | 41.4  | 62.2   |

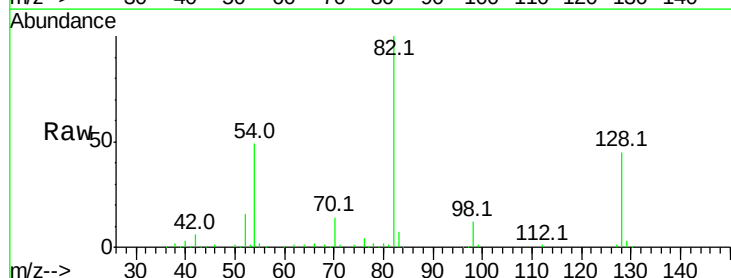


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

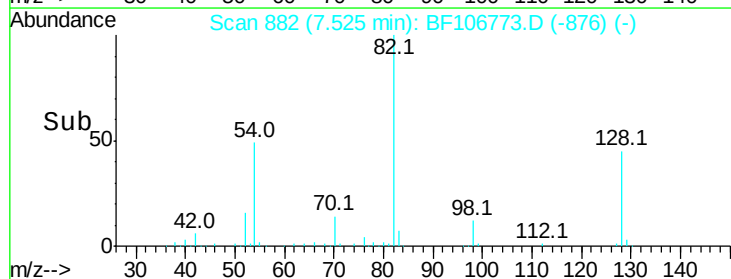
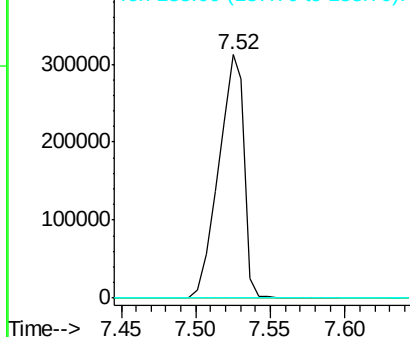


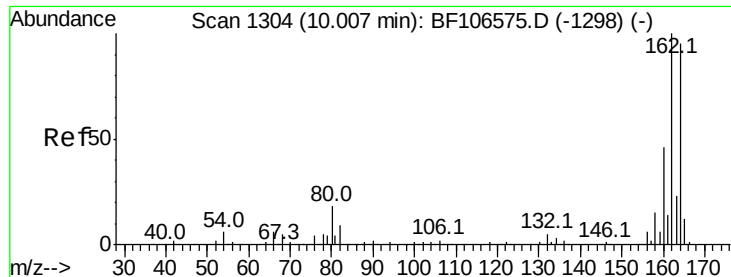
#25  
Isophorone  
Concen: 50.403 ng  
RT: 7.52 min Scan# 882  
Delta R.T. -0.26 min  
Lab File: BF106773.D  
Acq: 25 Jun 2018 16:10

| Tgt Ion   | 82    | Resp  | 370383 |
|-----------|-------|-------|--------|
| 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: BF106773.D

Acq: 25 Jun 2018 16:10

Instrument :

BNA\_F

ClientSampleId :

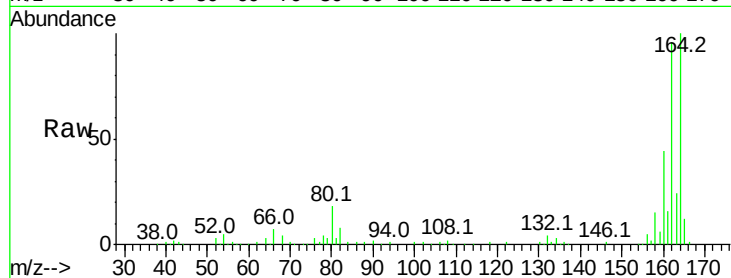
Tot Ion:164 Resp: 121867

Ion Ratio Lower Upper

164 100

162 95.9 86.1 129.1

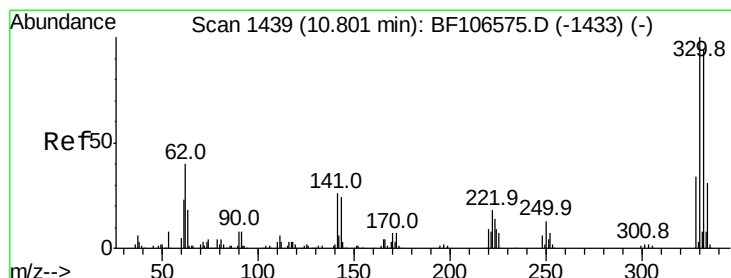
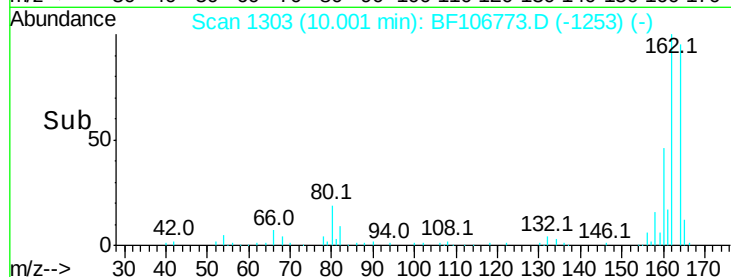
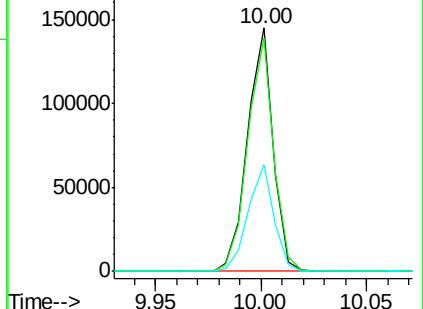
160 43.9 38.3 57.5



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: 145.243 ng

RT: 10.80 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BF106773.D

Acq: 25 Jun 2018 16:10

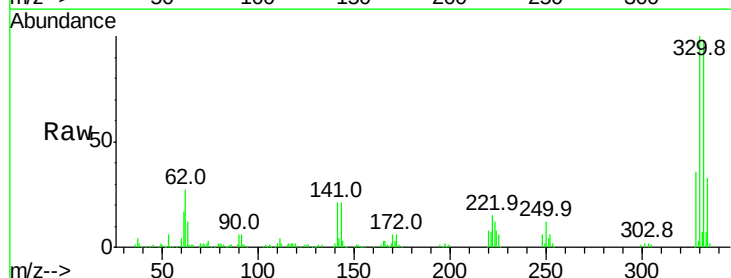
Tgt Ion:330 Resp: 205152

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

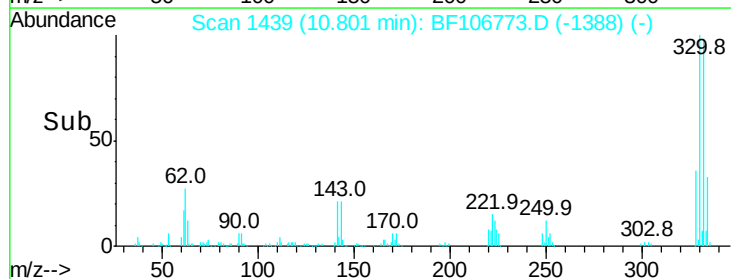
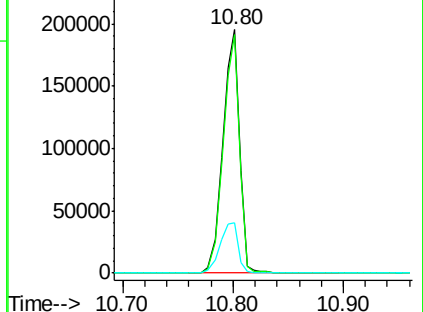
141 22.4 29.9 44.9#

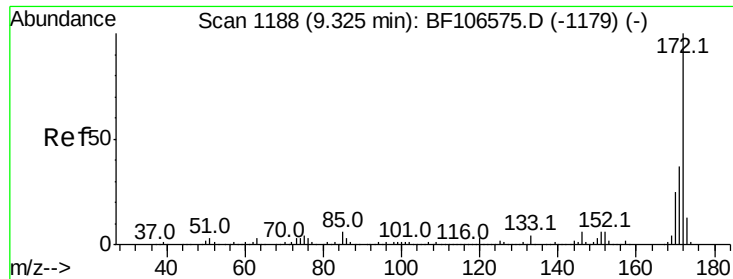


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

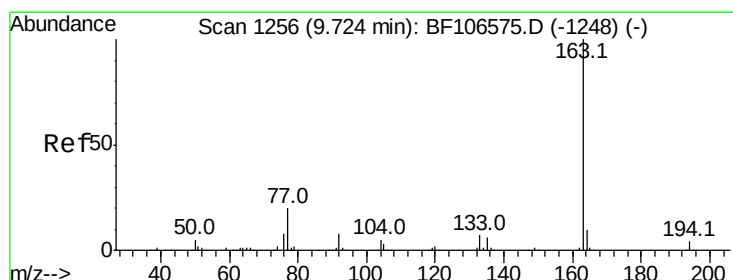
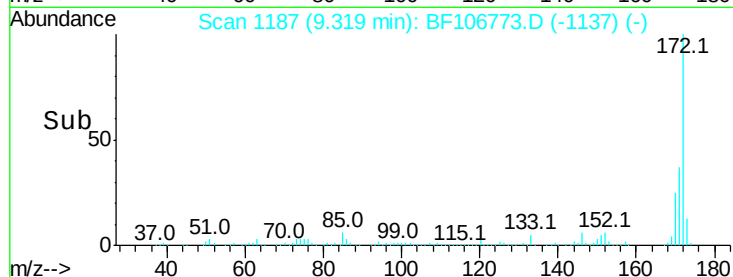
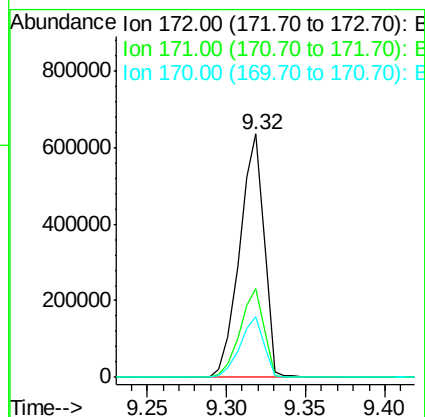
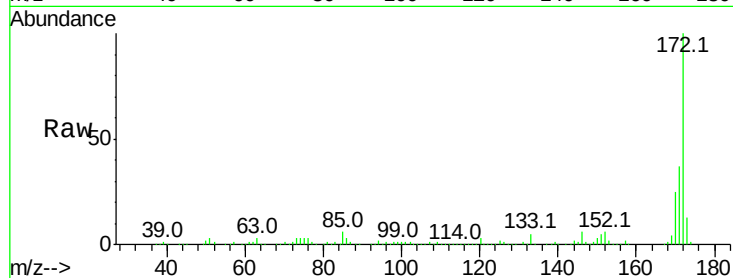




#44  
2-Fluorobiphenyl  
Concen: 95.540 ng  
RT: 9.32 min Scan# 1187  
Delta R.T. -0.01 min  
Lab File: BF106773.D  
Acq: 25 Jun 2018 16:10

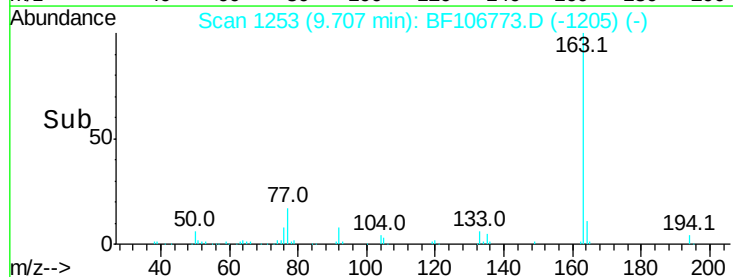
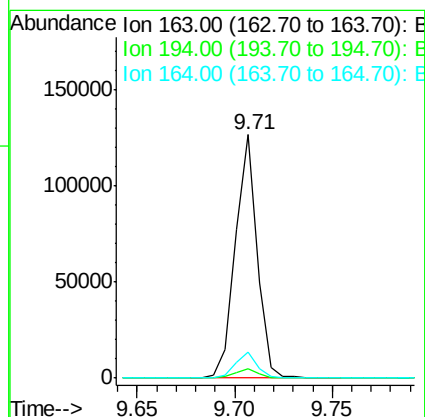
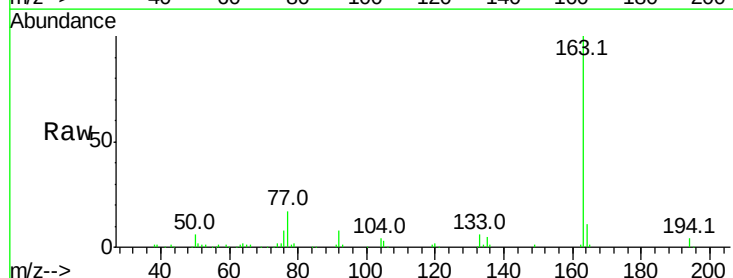
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 674709  
Ion Ratio Lower Upper  
172 100  
171 36.7 29.7 44.5  
170 24.7 19.6 29.4

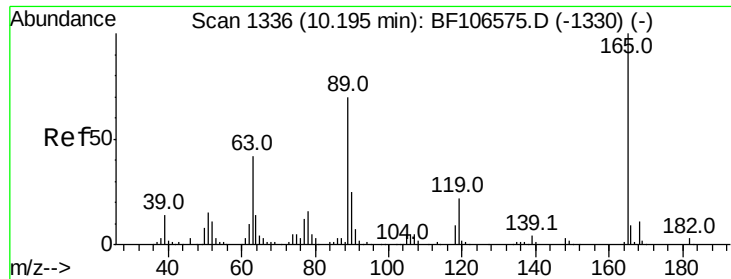


#49  
Dimethylphthalate  
Concen: 10.748 ng  
RT: 9.71 min Scan# 1253  
Delta R.T. -0.02 min  
Lab File: BF106773.D  
Acq: 25 Jun 2018 16:10

Tgt Ion:163 Resp: 98235  
Ion Ratio Lower Upper  
163 100  
194 3.8 2.7 4.1  
164 10.6 8.2 12.2



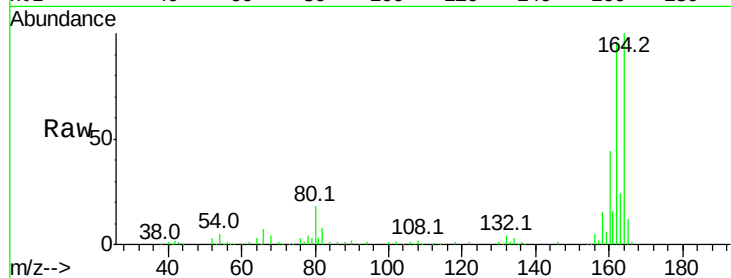




#56  
2,4-Dinitrotoluene  
Concen: 6.073 ng  
RT: 10.00 min Scan# 1303  
Delta R.T. -0.20 min  
Lab File: BF106773.D  
Acq: 25 Jun 2018 16:10

Instrument :  
BNA\_F  
ClientSampled :

| 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#  |

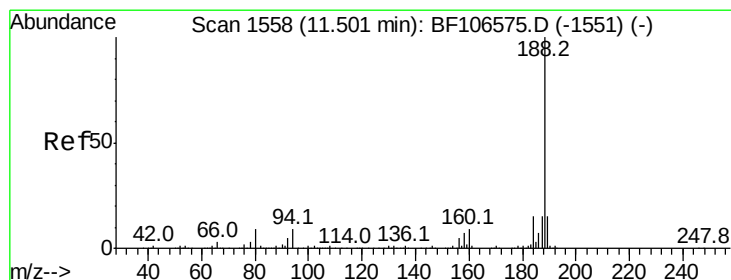
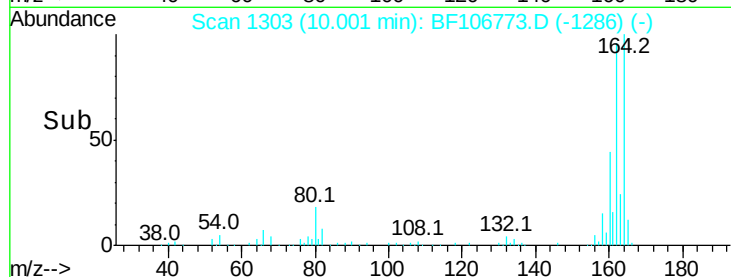
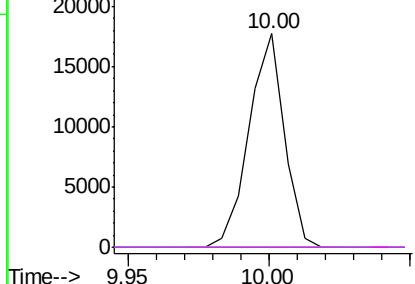


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

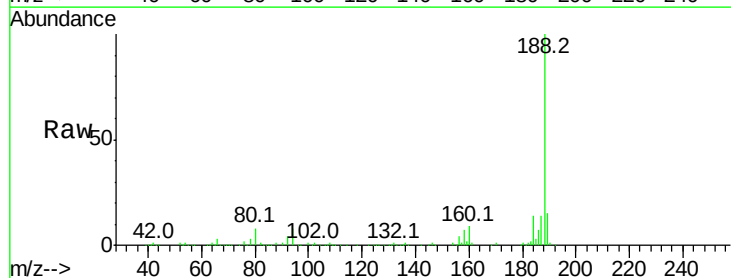
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.50 min Scan# 1557  
Delta R.T. -0.01 min  
Lab File: BF106773.D  
Acq: 25 Jun 2018 16:10

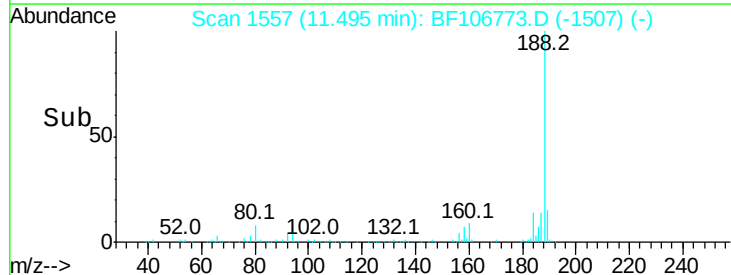
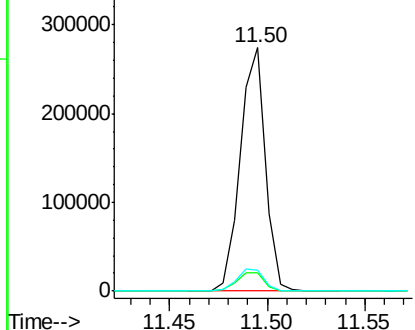
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.7   | 8.5   | 12.7# |
| 80      | 8.5   | 9.2   | 13.8# |

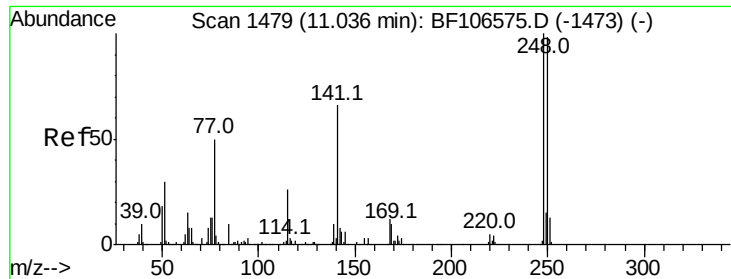


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

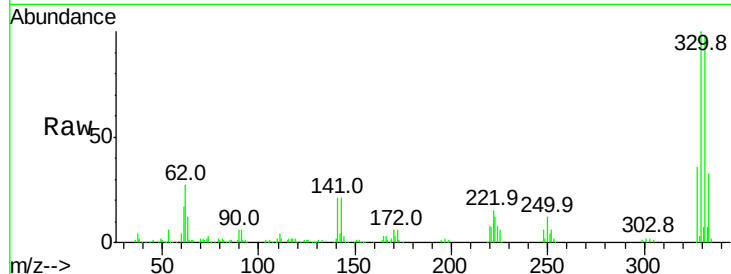




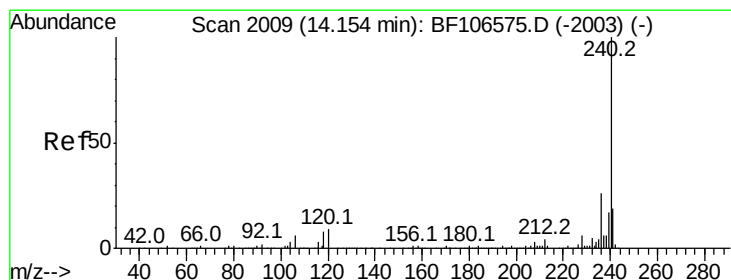
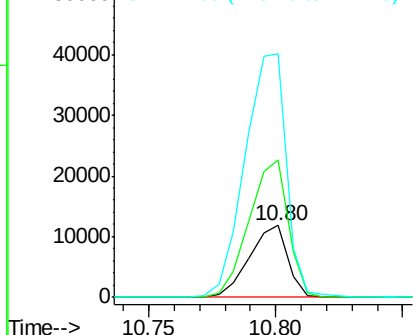
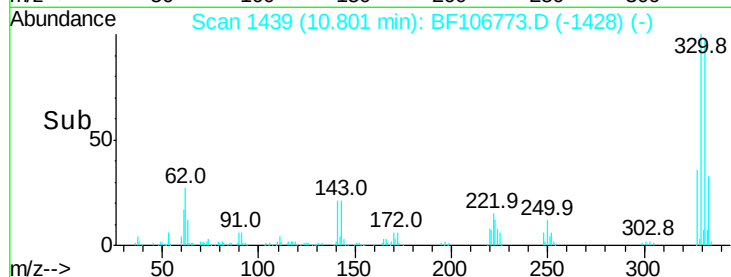
#66  
4-Bromophenyl-phenylether  
Concen: 4.302 ng  
RT: 10.80 min Scan# 1439  
Delta R.T. -0.24 min  
Lab File: BF106773.D  
Acq: 25 Jun 2018 16:10

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 12533  
Ion Ratio Lower Upper  
248 100  
250 190.9 76.9 115.3#  
141 338.3 74.4 111.6#

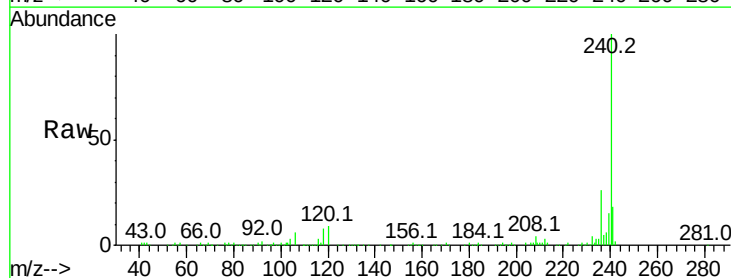


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

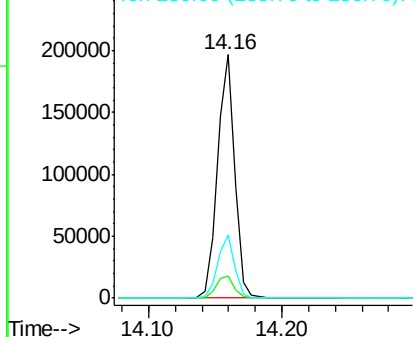
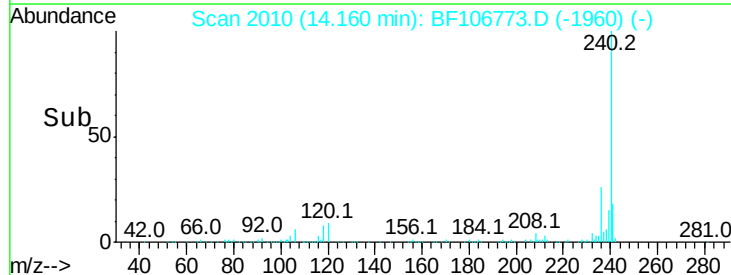


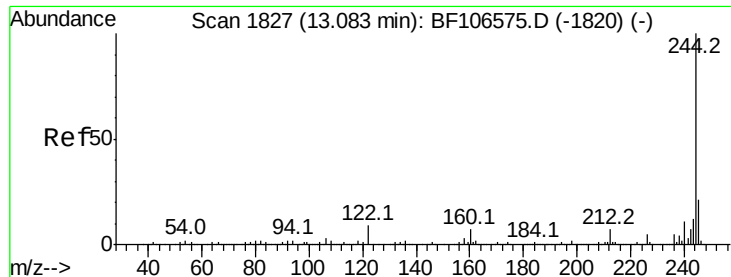
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.16 min Scan# 2010  
Delta R.T. -0.01 min  
Lab File: BF106773.D  
Acq: 25 Jun 2018 16:10

Tgt Ion:240 Resp: 179383  
Ion Ratio Lower Upper  
240 100  
120 8.9 9.5 14.3#  
236 26.0 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: 107.517 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF106773.D

Acq: 25 Jun 2018 16:10

Instrument :

BNA\_F

ClientSampled :

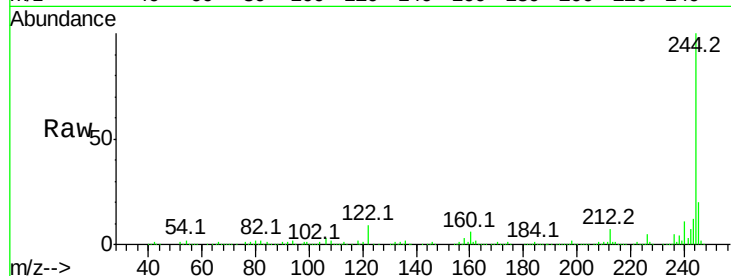
Tot Ion:244 Resp: 796219

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

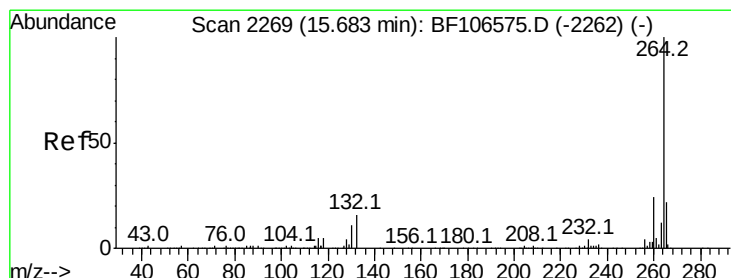
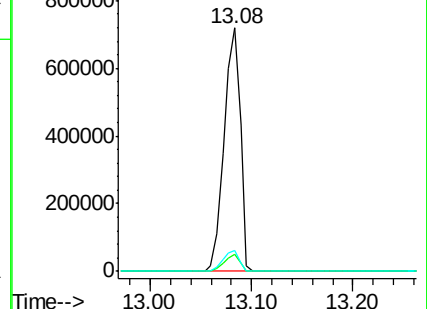
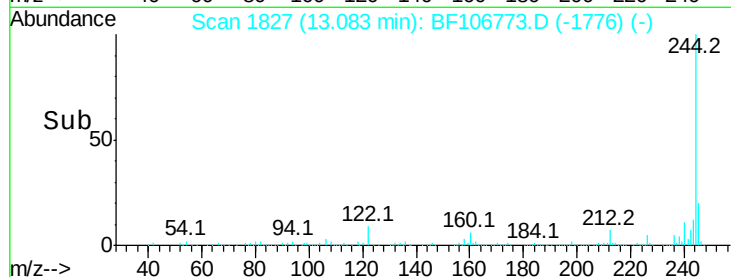
122 8.5 11.0 16.4#



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

Perylene-d12

Concen: 20.000 ng

RT: 15.72 min Scan# 2276

Delta R.T. 0.01 min

Lab File: BF106773.D

Acq: 25 Jun 2018 16:10

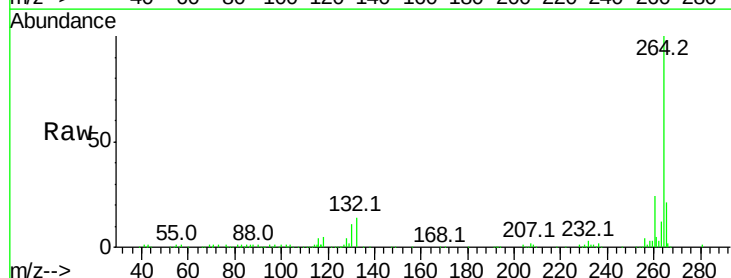
Tgt Ion:264 Resp: 167558

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 20.9 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

