

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062518\  
 Data File : BF106774.D  
 Acq On : 25 Jun 2018 16:37  
 Operator : JU/SJ  
 Sample : J3573-04RE  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jun 25 18:50:47 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

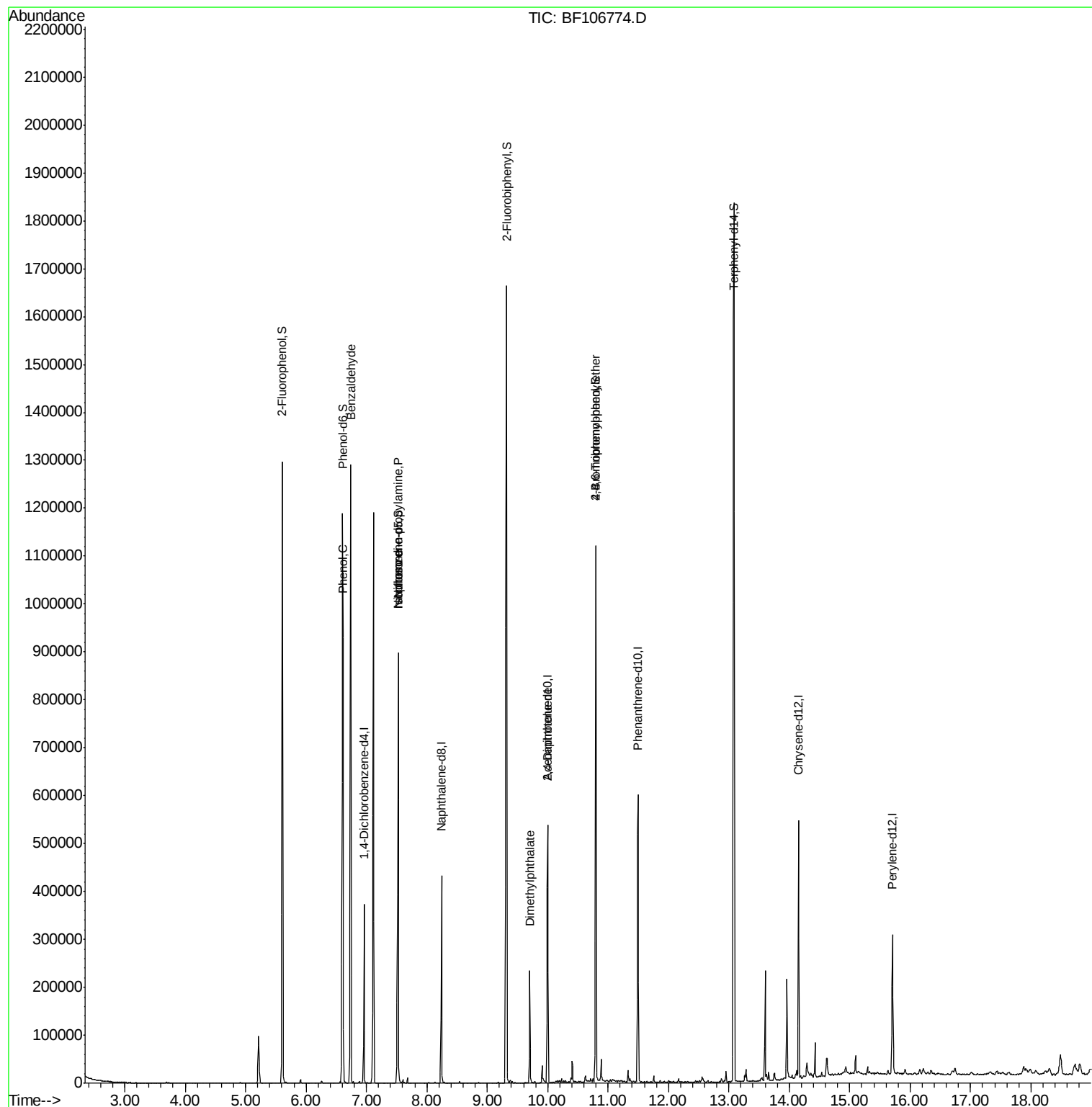
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.96  | 152  | 53842    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.24  | 136  | 208201   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.00 | 164  | 110136   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.49 | 188  | 237051   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.15 | 240  | 191470   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12               | 15.71 | 264  | 151808   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.61  | 112  | 409396   | 128.75 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.61  | 99   | 531031   | 133.73 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.52  | 82   | 351866   | 93.92  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.80 | 330  | 202471   | 158.61 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.32  | 172  | 651420   | 103.29 | ng    | 0.00     |
| 78) Terphenyl-d14              | 13.08 | 244  | 853192   | 107.94 | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 9) Benzaldehyde                | 6.74  | 77   | 8984     | 2.680  | ng    | 90       |
| 10) Phenol                     | 6.62  | 94   | 10220    | 2.255  | ng    | 96       |
| 19) n-Nitroso-di-n-propylamine | 7.52  | 70   | 45876    | 17.527 | ng    | # 74     |
| 25) Isophorone                 | 7.52  | 82   | 349271   | 52.906 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.71  | 163  | 94876    | 11.486 | ng    | 99       |
| 56) 2,4-Dinitrotoluene         | 10.00 | 165  | 14105    | 6.178  | ng    | # 21     |
| 66) 4-Bromophenyl-phenylether  | 10.80 | 248  | 12486    | 4.413  | ng    | # 1      |

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

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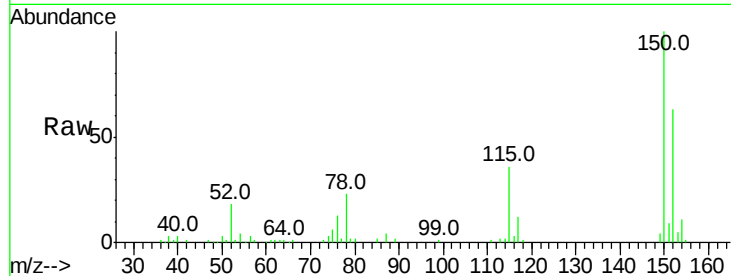


#1

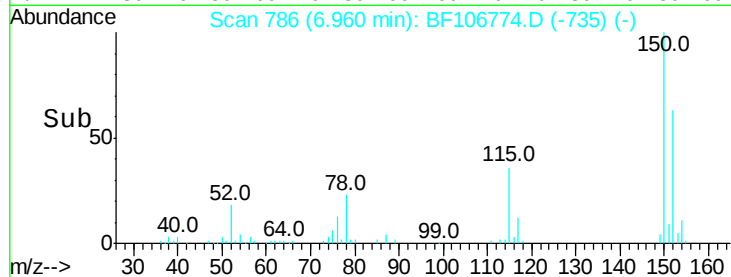
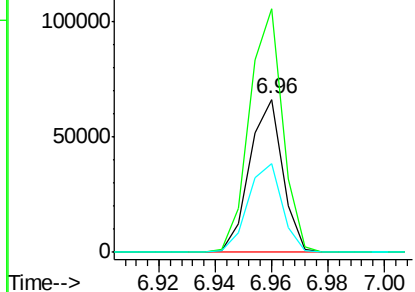
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 786  
Delta R.T. -0.00 min  
Lab File: BF106774.D  
Acq: 25 Jun 2018 16:37

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 53842  
Ion Ratio Lower Upper  
152 100  
150 159.2 124.6 186.8  
115 57.6 50.1 75.1



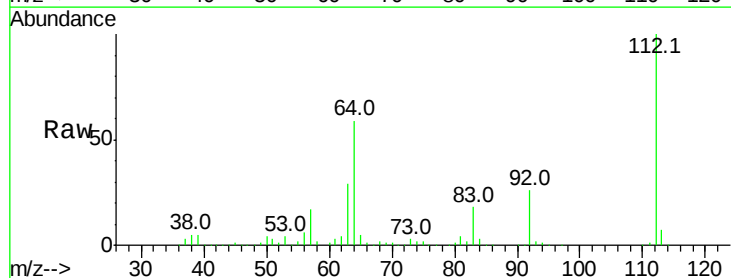
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



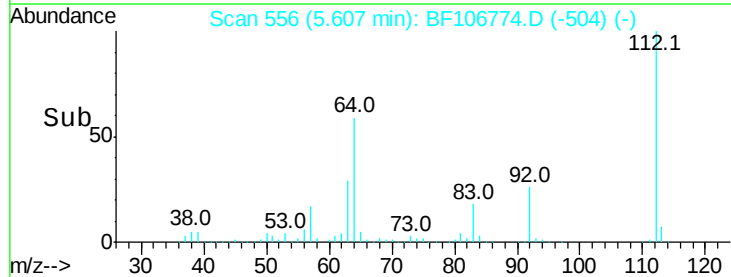
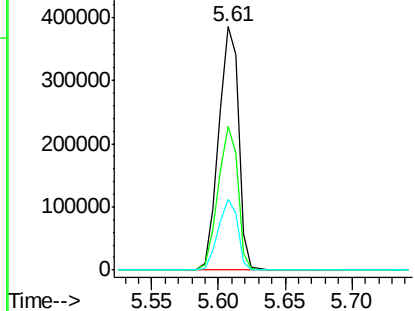
#5

2-Fluorophenol  
Concen: 128.754 ng  
RT: 5.61 min Scan# 555  
Delta R.T. 0.01 min  
Lab File: BF106774.D  
Acq: 25 Jun 2018 16:37

Tgt Ion:112 Resp: 409396  
Ion Ratio Lower Upper  
112 100  
64 59.0 47.9 71.9  
63 28.9 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: 133.734 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106774.D

Acq: 25 Jun 2018 16:37

Instrument :

BNA\_F

ClientSampled :

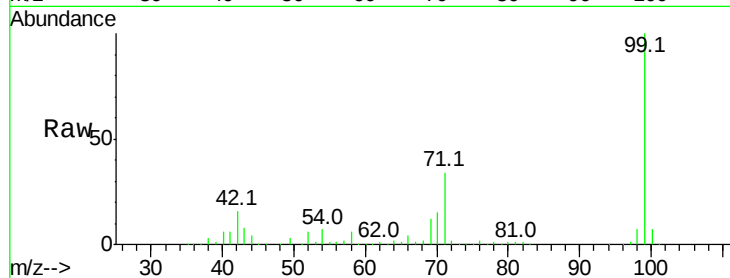
Tot Ion: 99 Resp: 531031

Ion Ratio Lower Upper

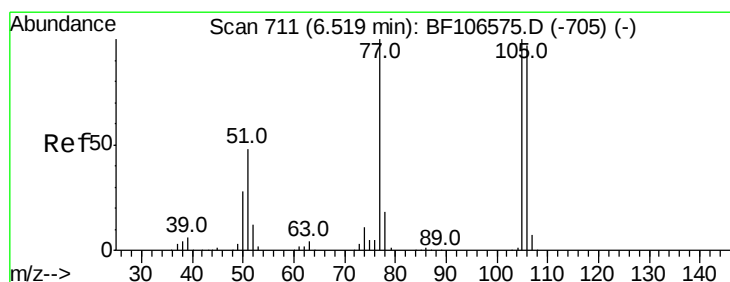
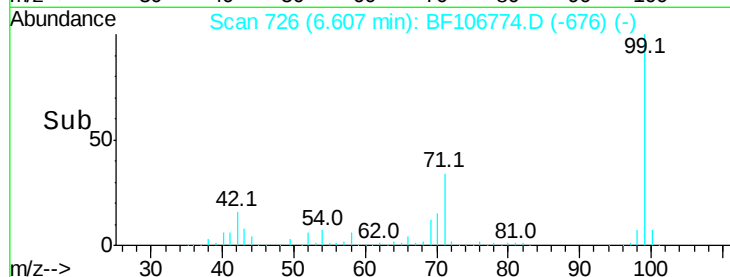
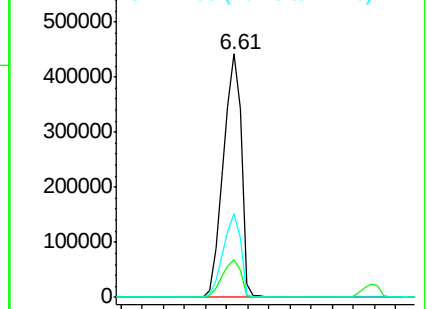
99 100

42 15.5 14.5 21.7

71 34.3 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: 2.680 ng

RT: 6.74 min Scan# 749

Delta R.T. 0.22 min

Lab File: BF106774.D

Acq: 25 Jun 2018 16:37

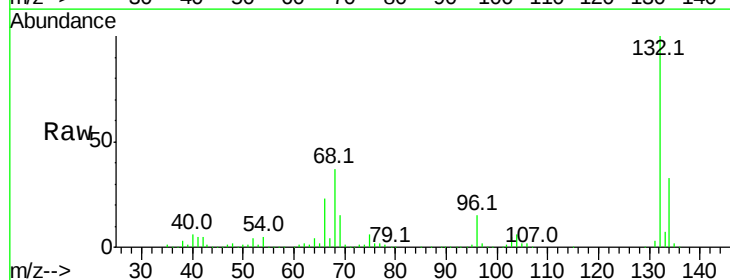
Tgt Ion: 77 Resp: 8984

Ion Ratio Lower Upper

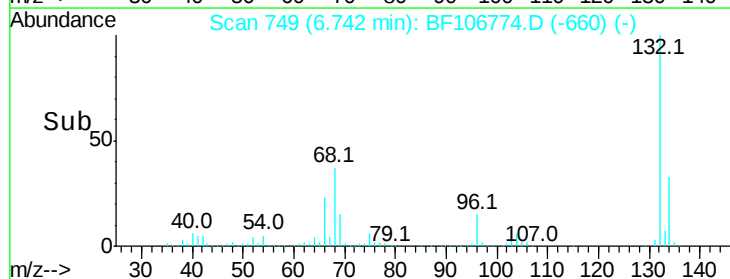
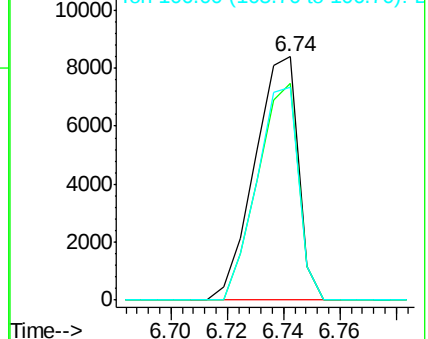
77 100

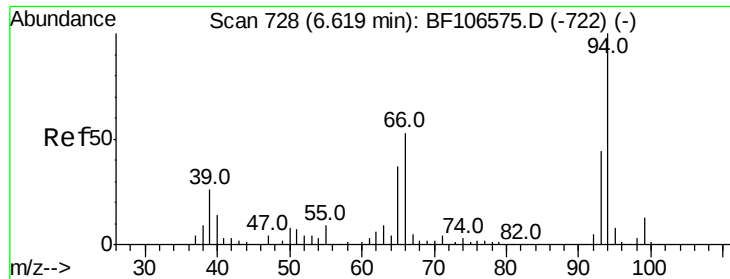
105 89.1 81.1 121.1

106 87.3 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





#10

Phenol

Concen: 2.255 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF106774.D

Acq: 25 Jun 2018 16:37

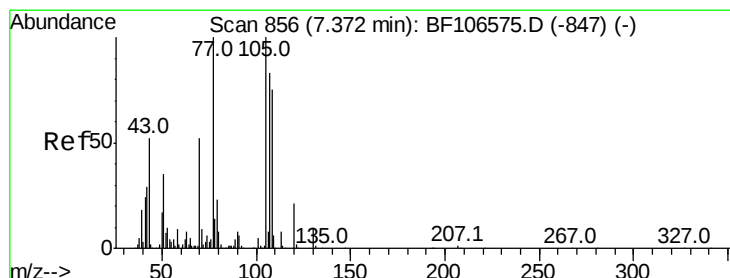
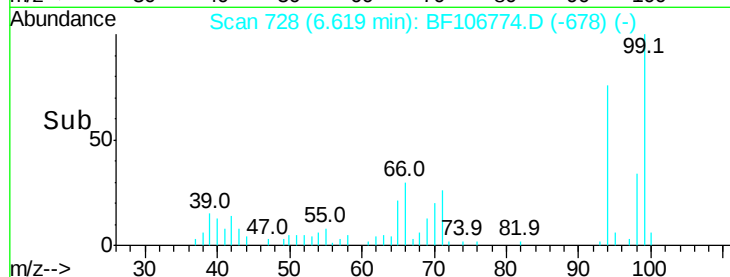
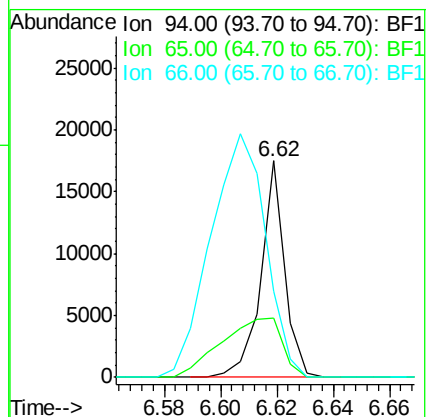
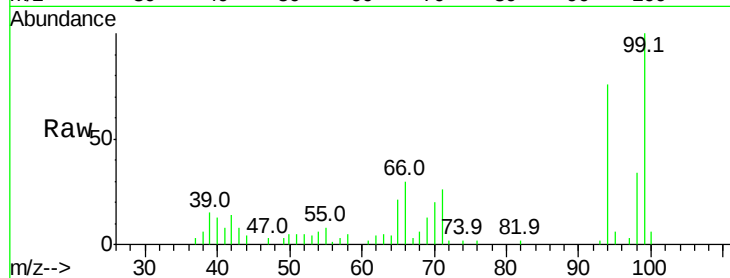
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 94 Resp: 10220

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 27.5  | 7.9   | 47.9  |
| 66  | 39.5  | 16.2  | 56.2  |



#19

n-Nitroso-di-n-propylamine

Concen: 17.527 ng

RT: 7.52 min Scan# 882

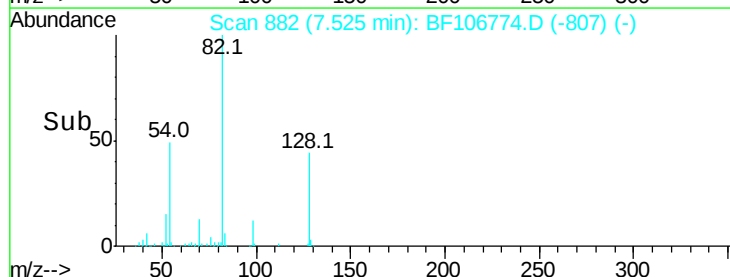
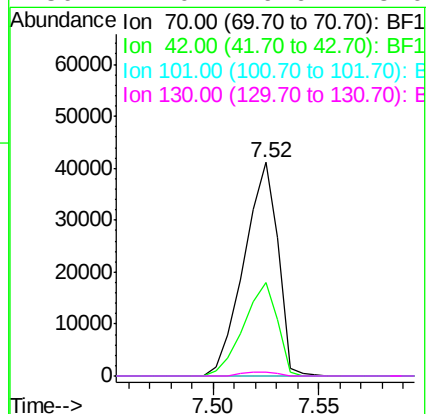
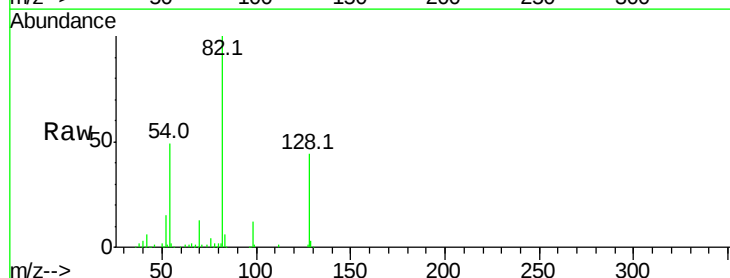
Delta R.T. 0.14 min

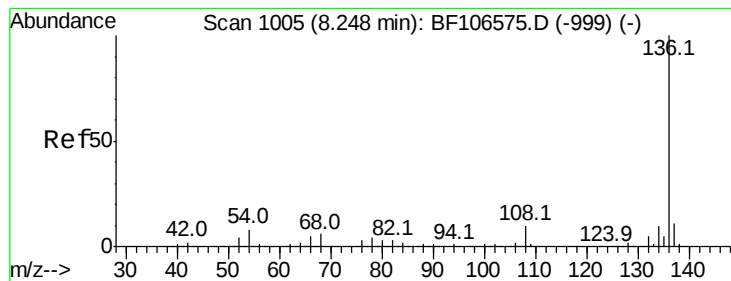
Lab File: BF106774.D

Acq: 25 Jun 2018 16:37

Tgt Ion: 70 Resp: 45876

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 43.6  | 47.5  | 71.3# |
| 101 | 0.0   | 7.4   | 11.2# |
| 130 | 2.0   | 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: BF106774.D

Acq: 25 Jun 2018 16:37

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 208201

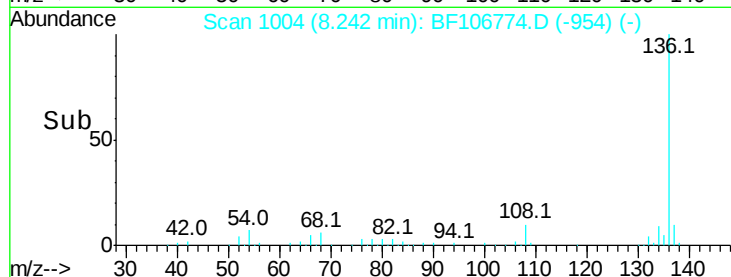
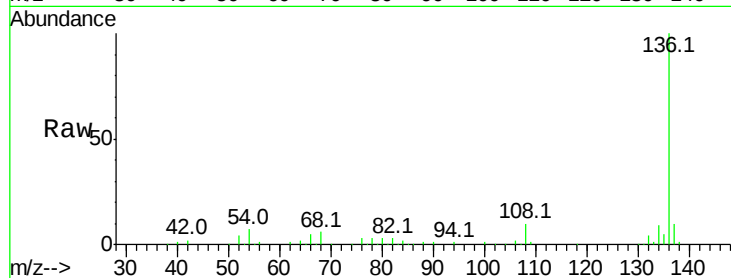
Ion Ratio Lower Upper

136 100

137 10.3 8.9 13.3

54 7.5 6.6 9.8

68 5.5 5.0 7.4

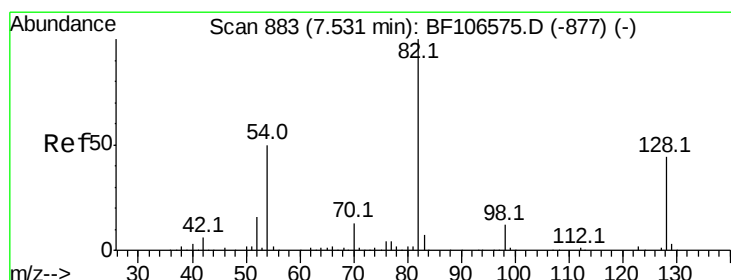
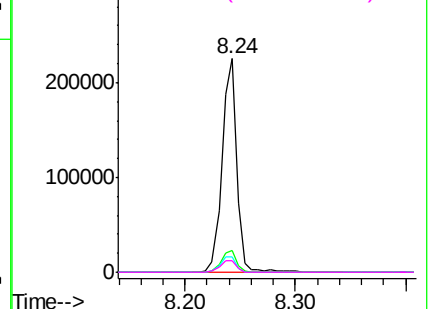


Abundance Ion 136.00 (135.70 to 136.70): E

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: 93.921 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF106774.D

Acq: 25 Jun 2018 16:37

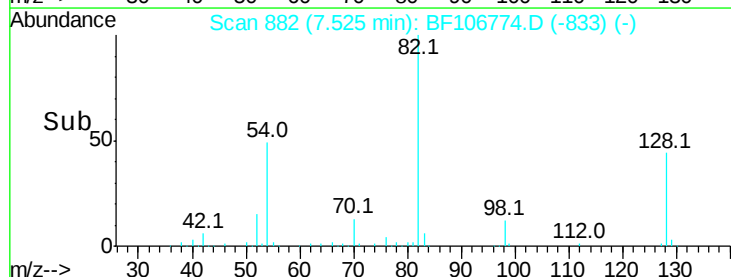
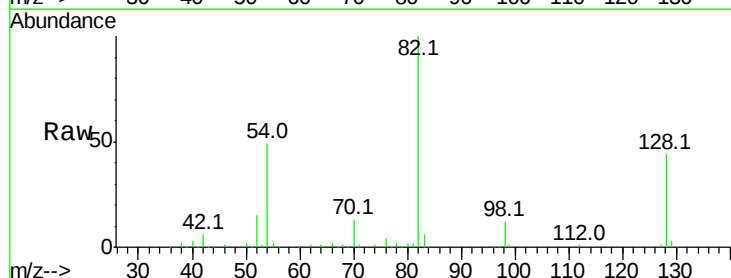
Tgt Ion: 82 Resp: 351866

Ion Ratio Lower Upper

82 100

128 43.9 36.1 54.1

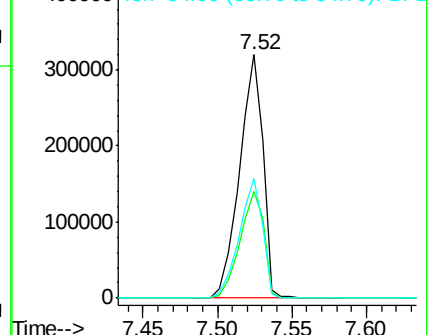
54 49.1 41.4 62.2

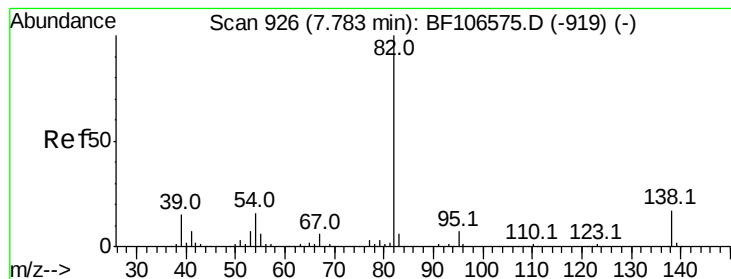


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 52.906 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF106774.D

Acq: 25 Jun 2018 16:37

Instrument :

BNA\_F

ClientSampleId :

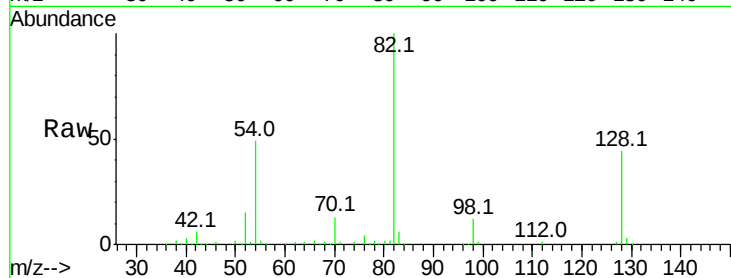
Tot Ion: 82 Resp: 349271

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

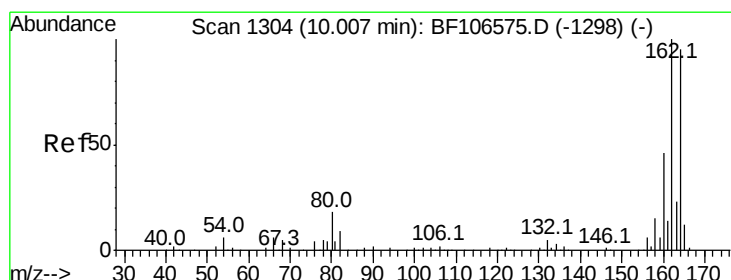
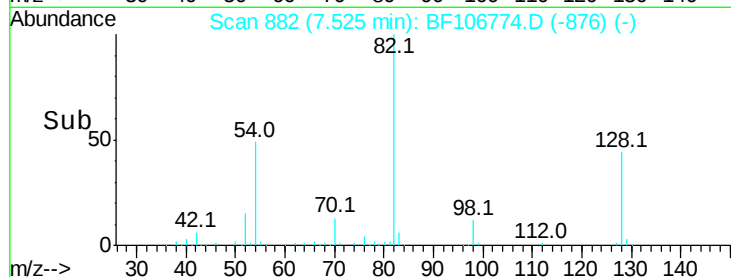
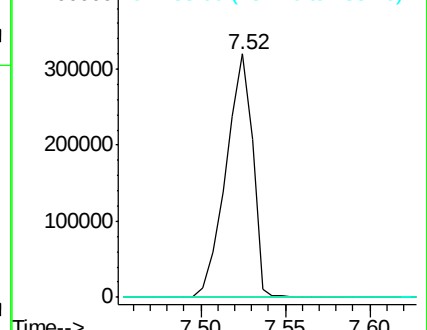
138 0.0 14.9 22.3#



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: BF106774.D

Acq: 25 Jun 2018 16:37

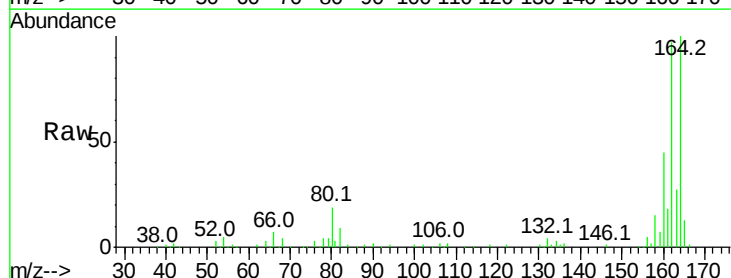
Tgt Ion:164 Resp: 110136

Ion Ratio Lower Upper

164 100

162 97.0 86.1 129.1

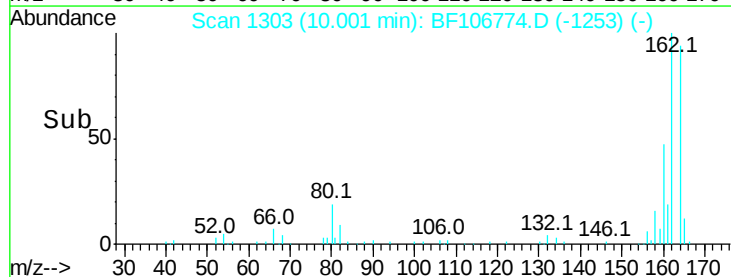
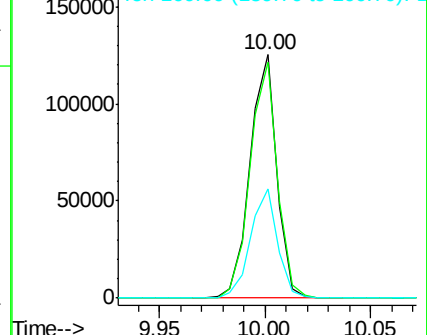
160 44.8 38.3 57.5

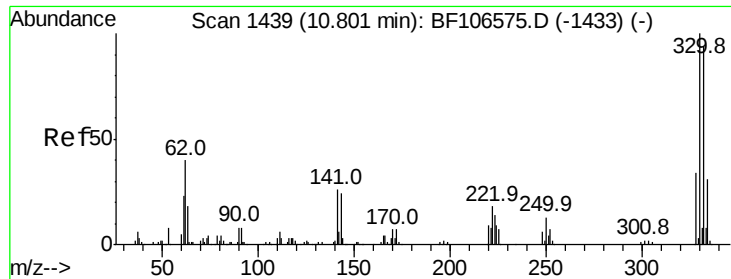


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 158.613 ng

RT: 10.80 min Scan# 1439

Delta R.T. -0.00 min

Lab File: BF106774.D

Acq: 25 Jun 2018 16:37

Instrument :

BNA\_F

ClientSampleId :

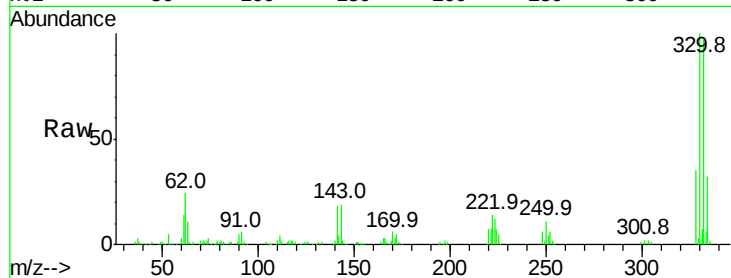
Tot Ion:330 Resp: 202471

Ion Ratio Lower Upper

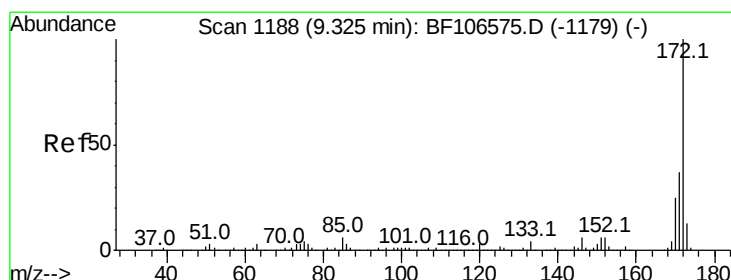
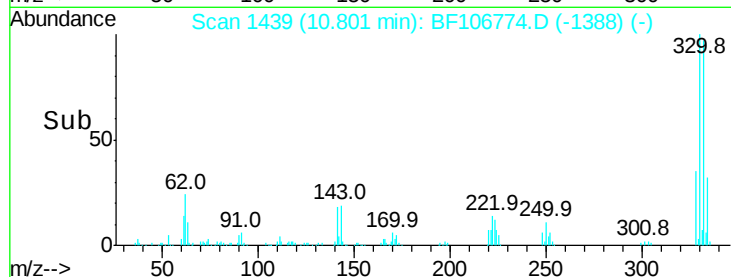
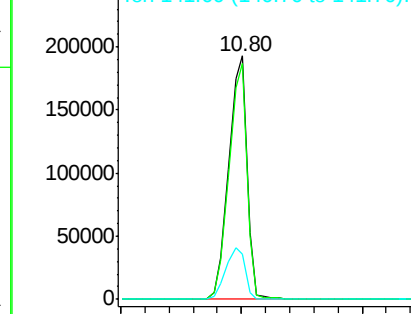
330 100

332 95.4 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: 103.287 ng

RT: 9.32 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF106774.D

Acq: 25 Jun 2018 16:37

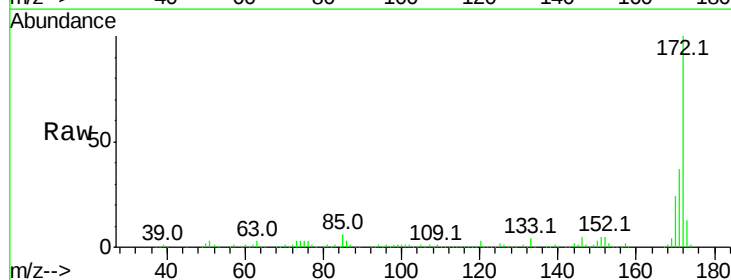
Tgt Ion:172 Resp: 651420

Ion Ratio Lower Upper

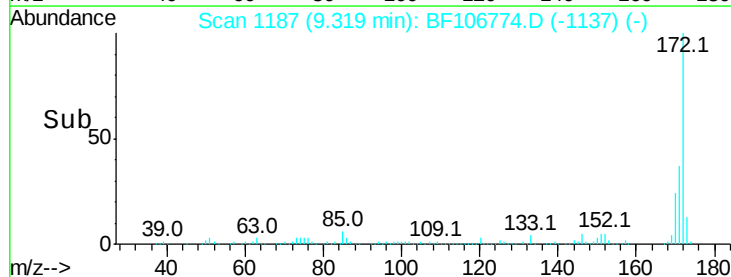
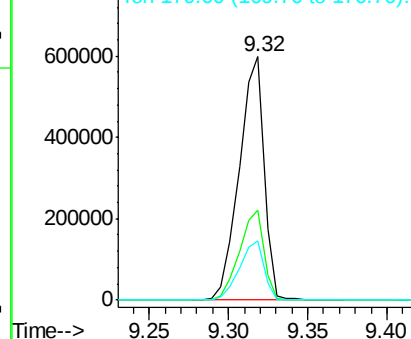
172 100

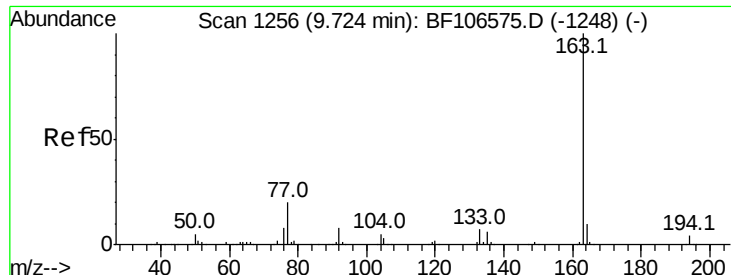
171 36.7 29.7 44.5

170 24.4 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: 11.486 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF106774.D

Acq: 25 Jun 2018 16:37

Instrument :

BNA\_F

ClientSampleId :

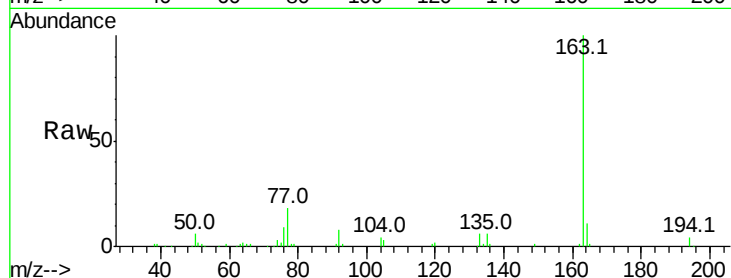
Tot Ion:163 Resp: 94876

Ion Ratio Lower Upper

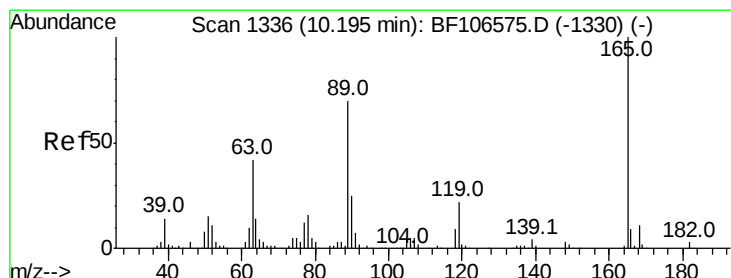
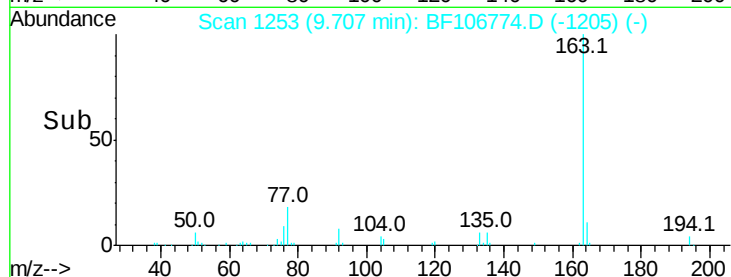
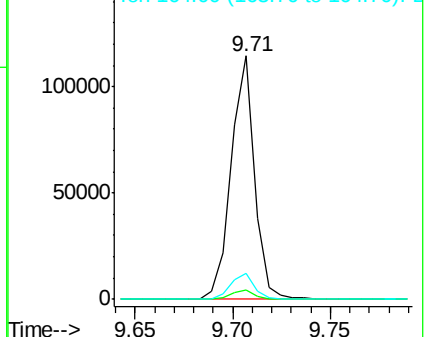
163 100

194 4.0 2.7 4.1

164 10.6 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: 6.178 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.20 min

Lab File: BF106774.D

Acq: 25 Jun 2018 16:37

Tgt Ion:165 Resp: 14105

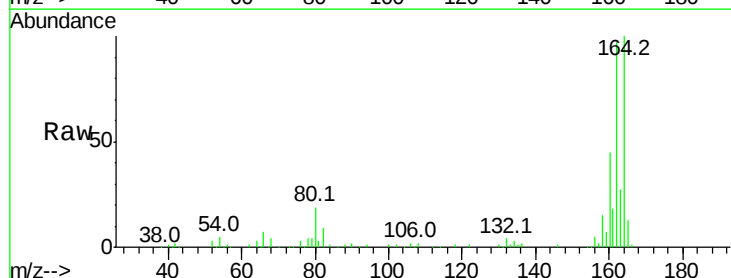
Ion Ratio Lower Upper

165 100

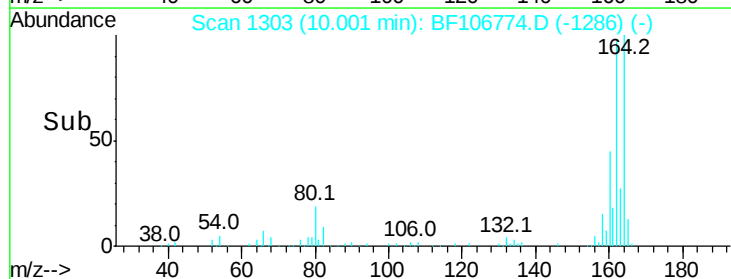
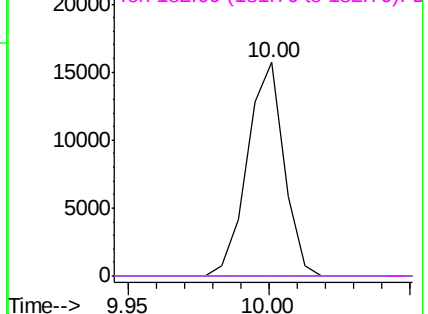
63 0.0 36.4 54.6#

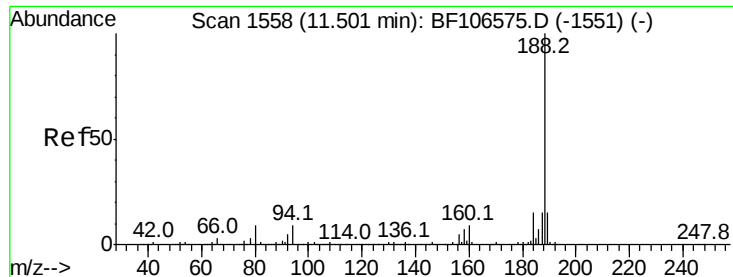
89 0.0 57.8 86.6#

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

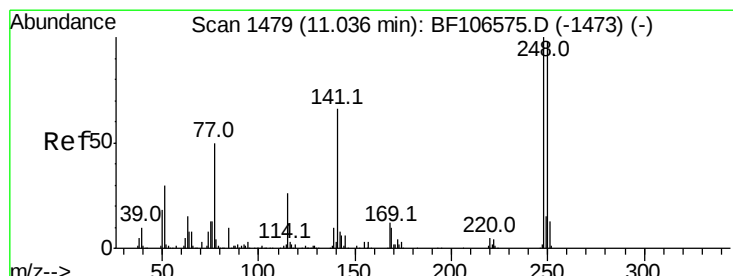
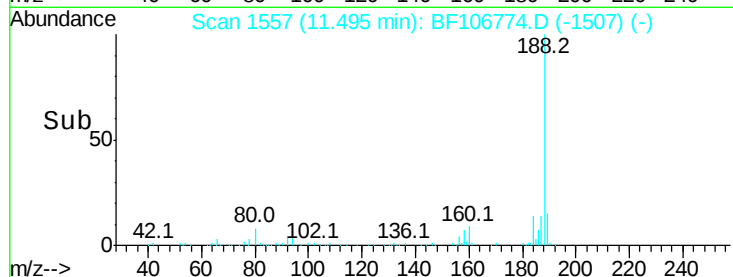
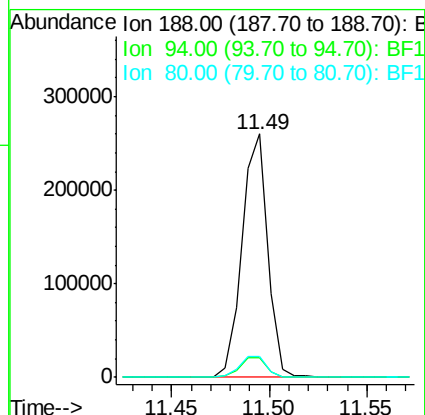
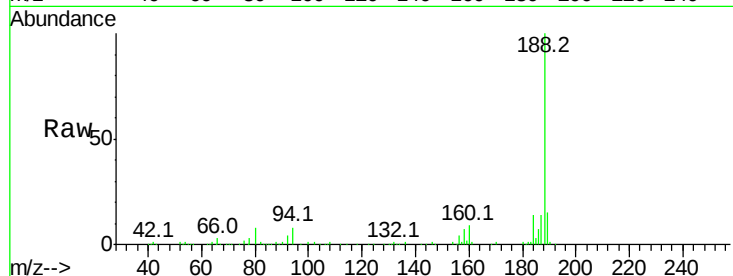




#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.49 min Scan# 1557  
 Delta R.T. -0.01 min  
 Lab File: BF106774.D  
 Acq: 25 Jun 2018 16:37

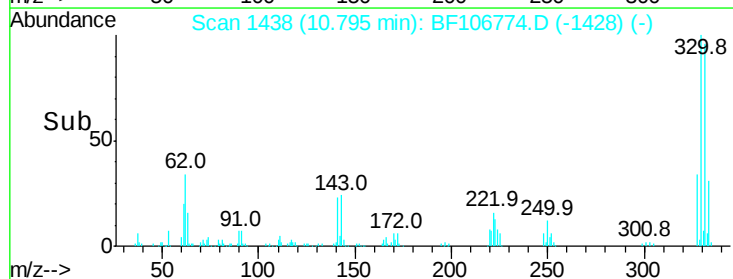
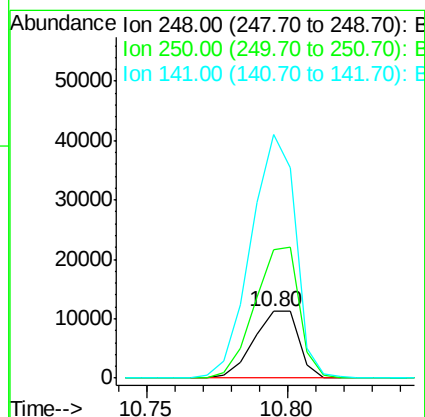
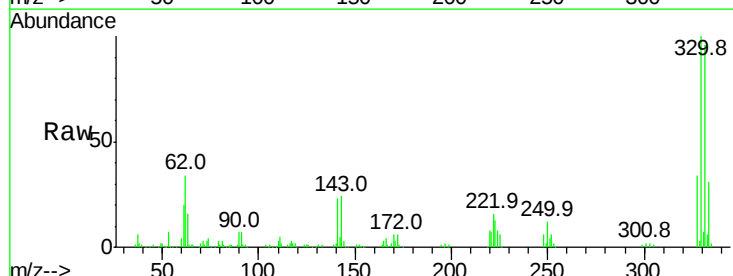
Instrument :  
 BNA\_F  
 ClientSampleId :

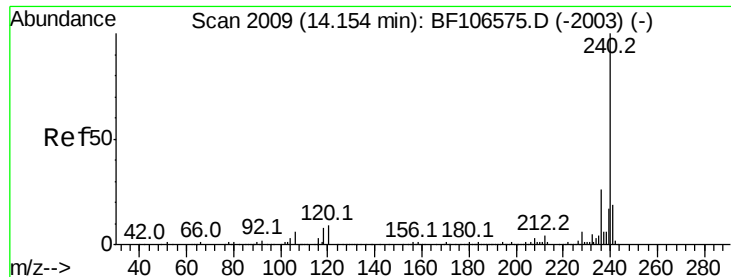
Tot Ion:188 Resp: 237051  
 Ion Ratio Lower Upper  
 188 100  
 94 8.0 8.5 12.7#  
 80 8.4 9.2 13.8#



#66  
 4-Bromophenyl-phenylether  
 Concen: 4.413 ng  
 RT: 10.80 min Scan# 1438  
 Delta R.T. -0.24 min  
 Lab File: BF106774.D  
 Acq: 25 Jun 2018 16:37

Tgt Ion:248 Resp: 12486  
 Ion Ratio Lower Upper  
 248 100  
 250 191.9 76.9 115.3#  
 141 364.6 74.4 111.6#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF106774.D

Acq: 25 Jun 2018 16:37

Instrument :

BNA\_F

ClientSampleId :

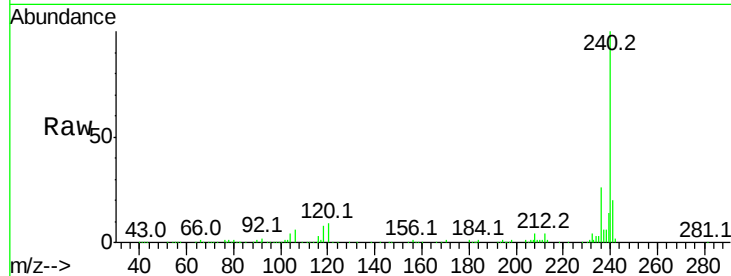
Tot Ion:240 Resp: 191470

Ion Ratio Lower Upper

240 100

120 9.4 9.5 14.3#

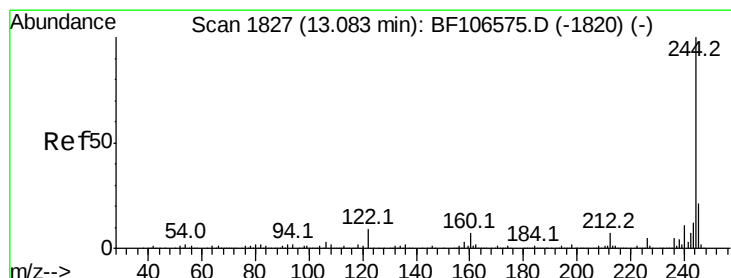
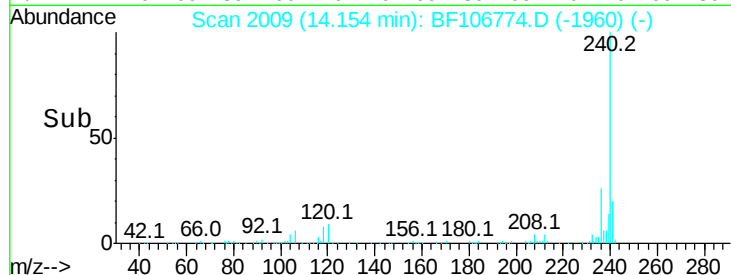
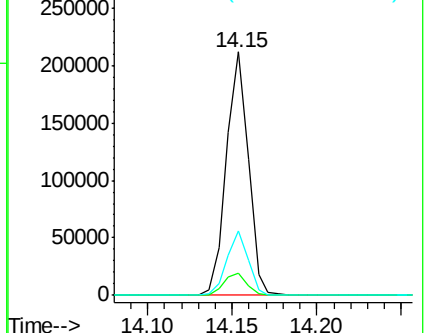
236 26.4 20.7 31.1



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: 107.938 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.00 min

Lab File: BF106774.D

Acq: 25 Jun 2018 16:37

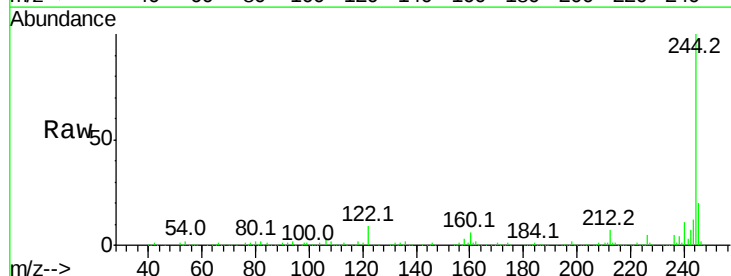
Tgt Ion:244 Resp: 853192

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

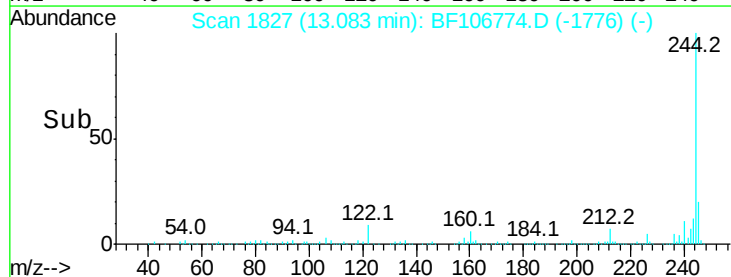
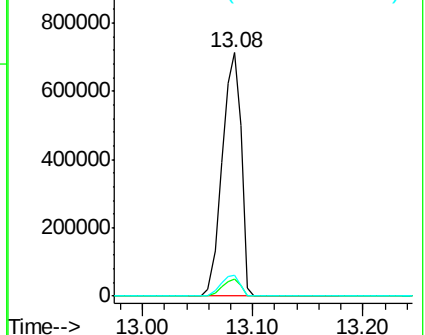
122 8.8 11.0 16.4#

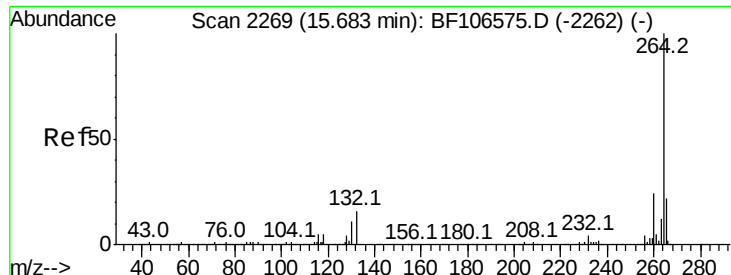


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

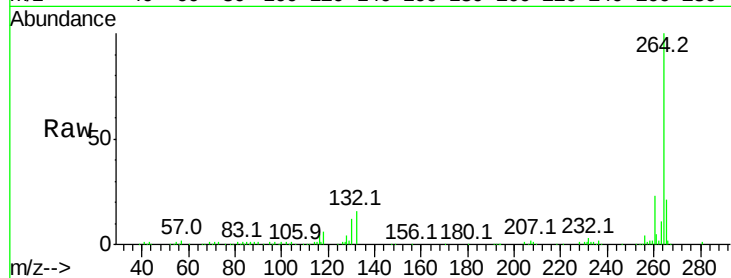




#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.71 min Scan# 2273  
Delta R.T. -0.01 min  
Lab File: BF106774.D  
Acq: 25 Jun 2018 16:37

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 19.2  | 28.8  |
| 265     | 21.3  | 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

