

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF062518\  
 Data File : BF106764.D  
 Acq On : 25 Jun 2018 11:59  
 Operator : JU/SJ  
 Sample : J3627-07  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 26KV-CC-4

Quant Time: Jun 25 13:50:59 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  | 48629    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.24  | 136  | 173517   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.00 | 164  | 76748    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.51 | 188  | 54659    | 20.00 | ng    | 0.01     |
| 75) Chrysene-d12          | 14.23 | 240  | 50416    | 20.00 | ng    | 0.08     |
| 86) Perylene-d12          | 15.77 | 264  | 122488   | 20.00 | ng    | 0.08     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.60  | 112  | 345786   | 120.41 | ng    | 0.00     |
| 7) Phenol-d6                | 6.61  | 99   | 441689   | 123.16 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.52  | 82   | 283312   | 90.74  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.81 | 330  | 101093   | 113.65 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 486992   | 112.11 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.16 | 244  | 98163    | 47.16  | ng    | 0.08     |

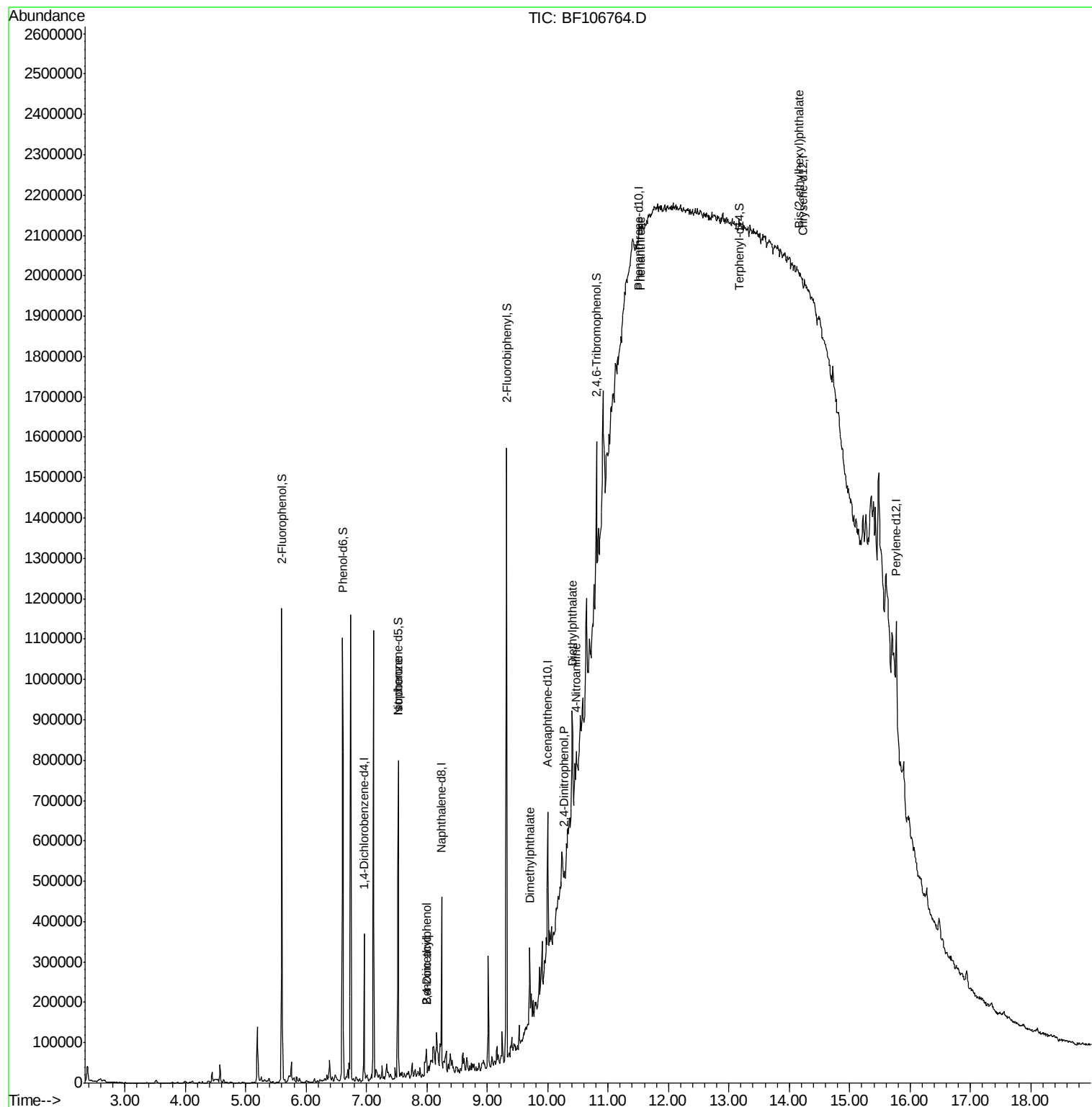
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 20) 3+4-Methylphenols          | 7.38  | 107  | 236      | Below Cal |       | # 61   |
| 25) Isophorone                 | 7.52  | 82   | 283312   | 51.493    | ng    | # 64   |
| 27) 2,4-Dimethylphenol         | 8.00  | 122  | 5017     | 2.157     | ng    | # 4    |
| 32) Benzoic acid               | 8.00  | 122  | 5017     | 8.342     | ng    | # 79   |
| 49) Dimethylphthalate          | 9.71  | 163  | 36133    | 6.277     | ng    | # 96   |
| 53) 2,4-Dinitrophenol          | 10.28 | 184  | 537      | 6.144     | ng    | # 46   |
| 59) Diethylphthalate           | 10.41 | 149  | 21359    | 3.845     | ng    | # 78   |
| 61) 4-Nitroaniline             | 10.47 | 138  | 4525     | 3.251     | ng    | # 89   |
| 70) Phenanthrene               | 11.54 | 178  | 6867     | 2.605     | ng    | # 1    |
| 83) Bis(2-ethylhexyl)phthalate | 14.17 | 149  | 5198     | 2.974     | ng    | # 68   |

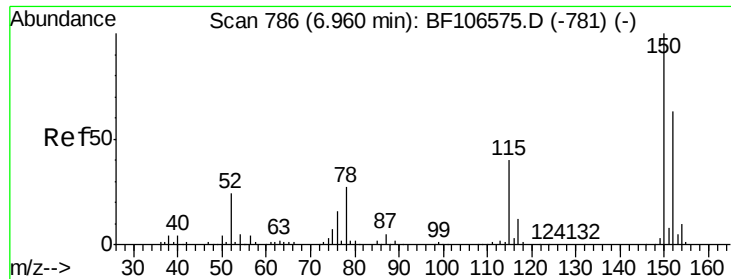
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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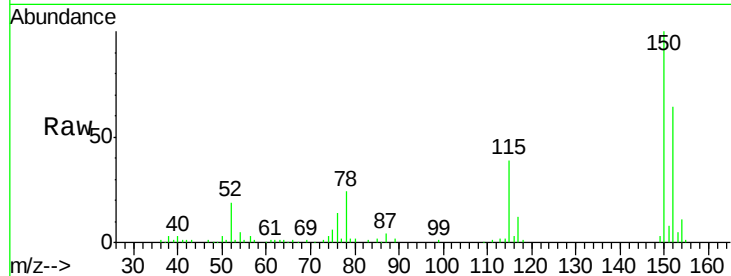


#1

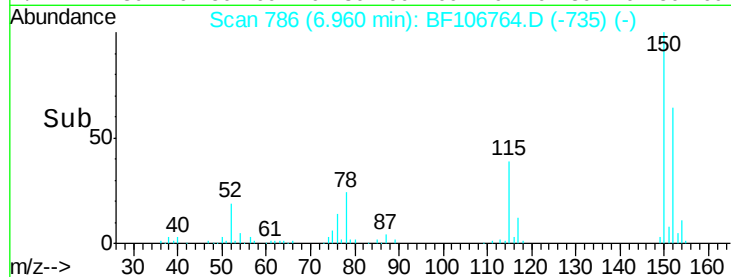
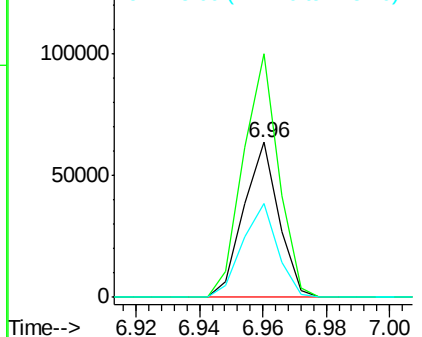
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 786  
Delta R.T. 0.00 min  
Lab File: BF106764.D  
Acq: 25 Jun 2018 11:59

Instrument :  
BNA\_F  
ClientSampleId :  
26KV-CC-4

Tgt Ion:152 Resp: 48629  
Ion Ratio Lower Upper  
152 100  
150 157.4 124.6 186.8  
115 60.6 50.1 75.1



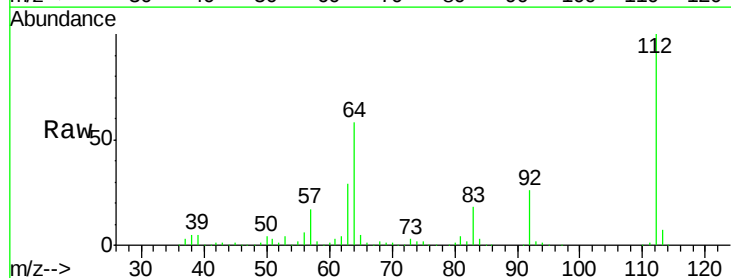
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



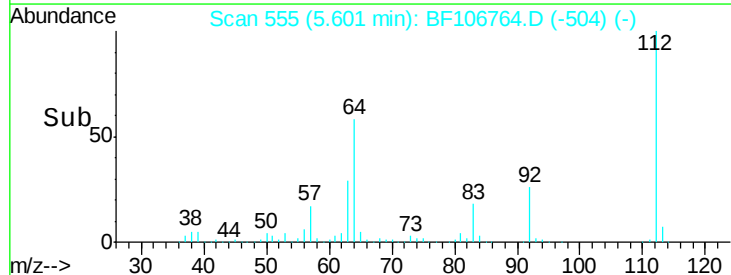
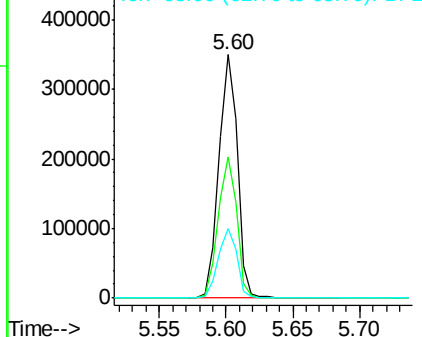
#5

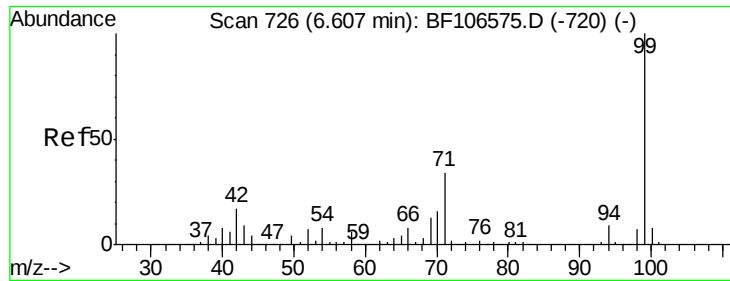
2-Fluorophenol  
Concen: 120.407 ng  
RT: 5.60 min Scan# 555  
Delta R.T. 0.00 min  
Lab File: BF106764.D  
Acq: 25 Jun 2018 11:59

Tgt Ion:112 Resp: 345786  
Ion Ratio Lower Upper  
112 100  
64 57.9 47.9 71.9  
63 28.7 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: 123.159 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.00 min

Lab File: BF106764.D

Acq: 25 Jun 2018 11:59

Instrument :

BNA\_F

ClientSampleId :

26KV-CC-4

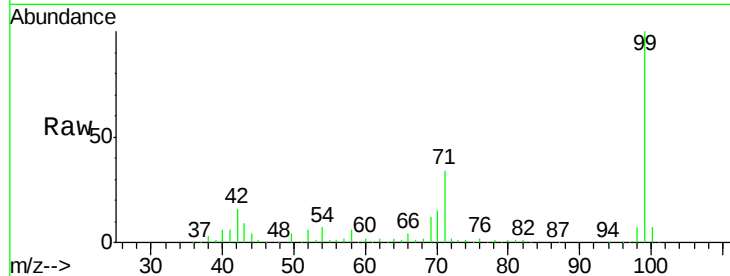
Tgt Ion: 99 Resp: 441689

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

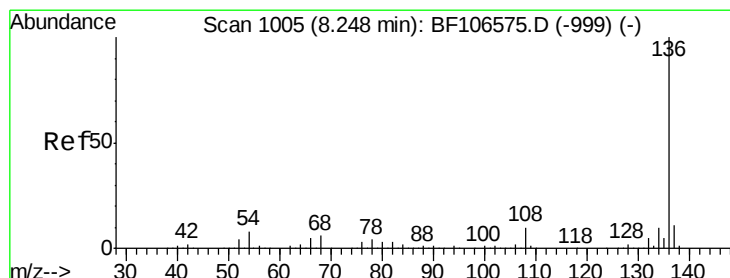
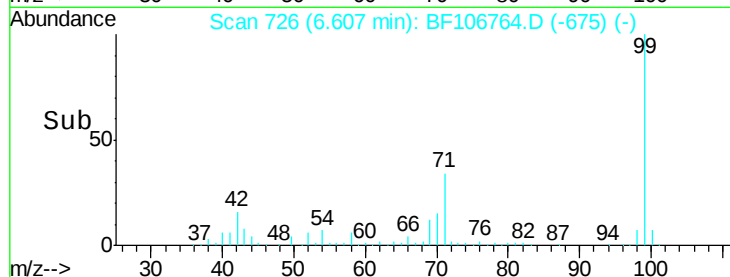
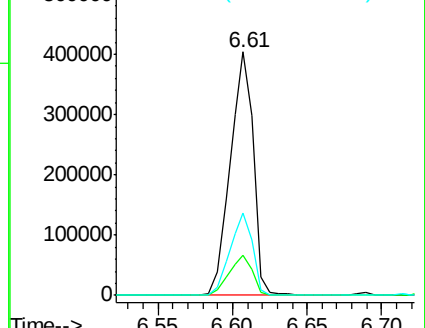
71 34.0 25.4 38.0



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: BF106764.D

Acq: 25 Jun 2018 11:59

Tgt Ion: 136 Resp: 173517

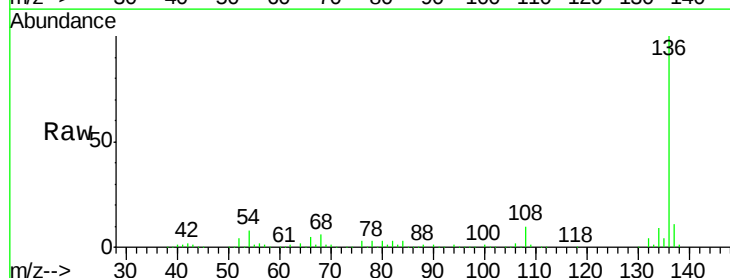
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.1 6.6 9.8

68 6.3 5.0 7.4

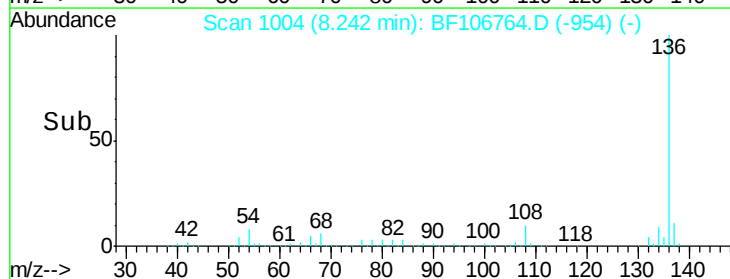
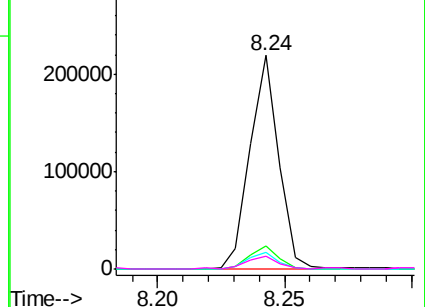


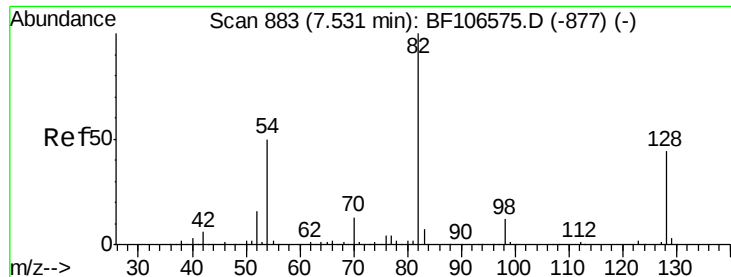
Abundance Ion 136.00 (135.70 to 136.70): E

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

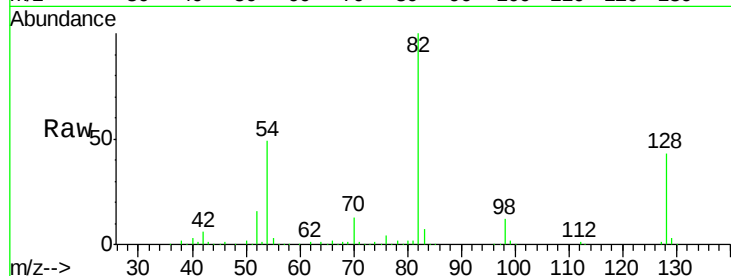




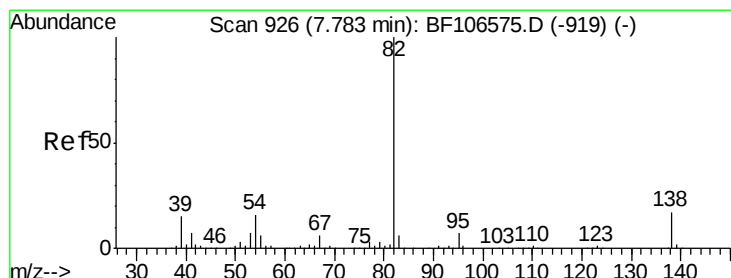
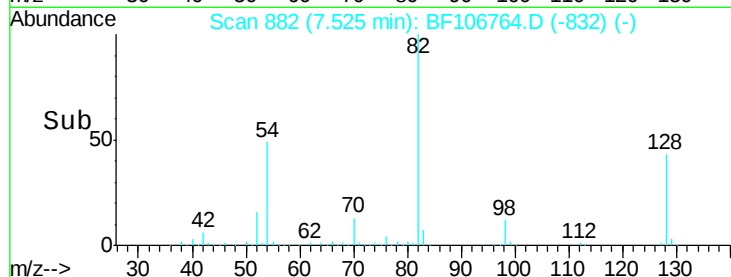
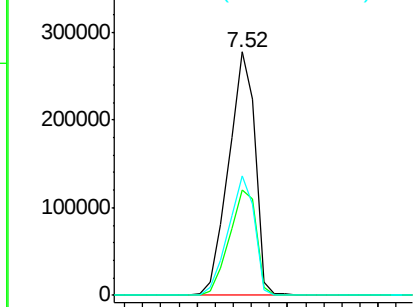
#23  
Nitrobenzene-d5  
Concen: 90.738 ng  
RT: 7.52 min Scan# 882  
Delta R.T. -0.01 min  
Lab File: BF106764.D  
Acq: 25 Jun 2018 11:59

Instrument :  
BNA\_F  
ClientSampleId :  
26KV-CC-4

Tgt Ion: 82 Resp: 283312  
Ion Ratio Lower Upper  
82 100  
128 43.4 36.1 54.1  
54 49.1 41.4 62.2

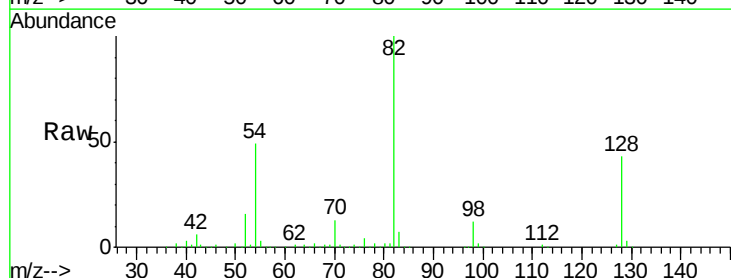


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

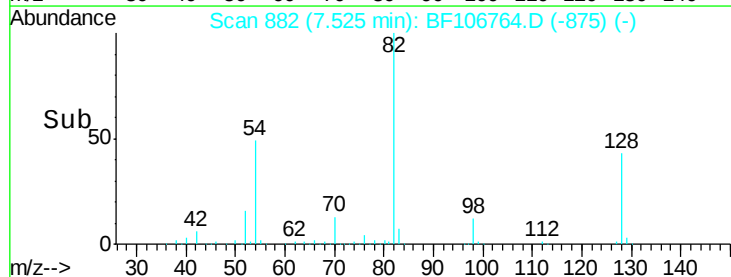
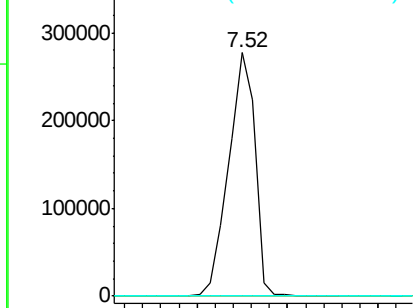


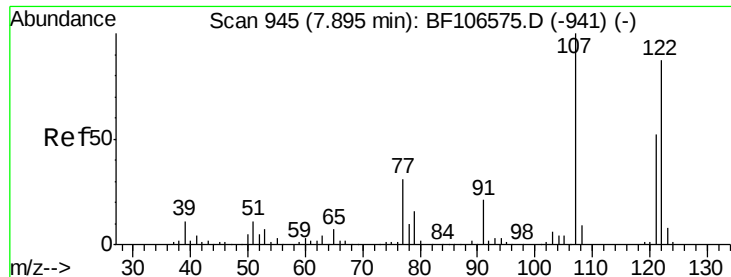
#25  
Isophorone  
Concen: 51.493 ng  
RT: 7.52 min Scan# 882  
Delta R.T. -0.26 min  
Lab File: BF106764.D  
Acq: 25 Jun 2018 11:59

Tgt Ion: 82 Resp: 283312  
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





#27

2,4-Dimethylphenol

Concen: 2.157 ng

RT: 8.00 min Scan# 962

Delta R.T. 0.09 min

Lab File: BF106764.D

Acq: 25 Jun 2018 11:59

Instrument :

BNA\_F

ClientSampleId :

26KV-CC-4

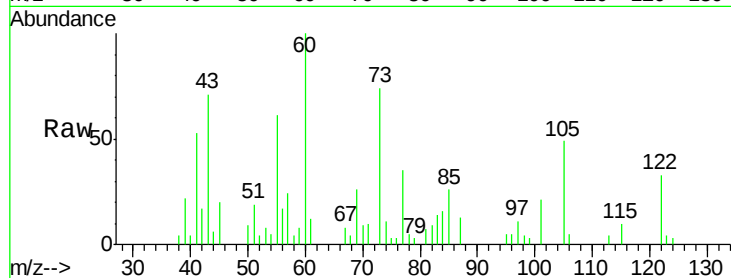
Tgt Ion:122 Resp: 5017

Ion Ratio Lower Upper

122 100

107 0.0 91.2 136.8#

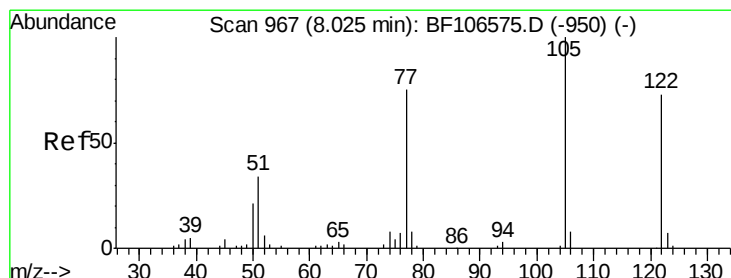
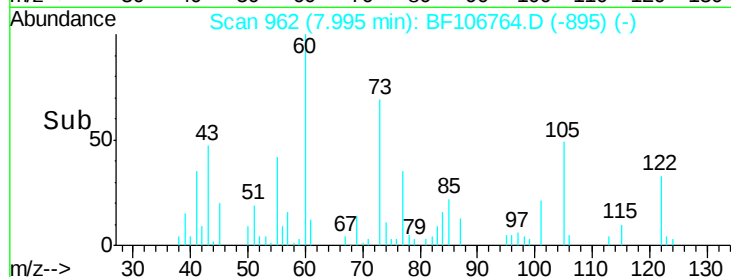
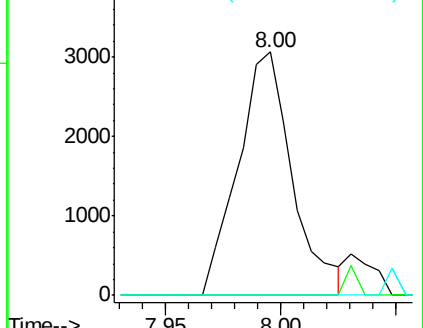
121 0.0 47.2 70.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#32

Benzoic acid

Concen: 8.342 ng

RT: 8.00 min Scan# 962

Delta R.T. -0.03 min

Lab File: BF106764.D

Acq: 25 Jun 2018 11:59

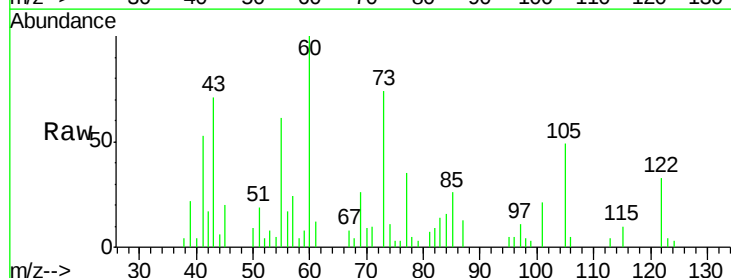
Tgt Ion:122 Resp: 5017

Ion Ratio Lower Upper

122 100

105 150.1 101.1 141.1#

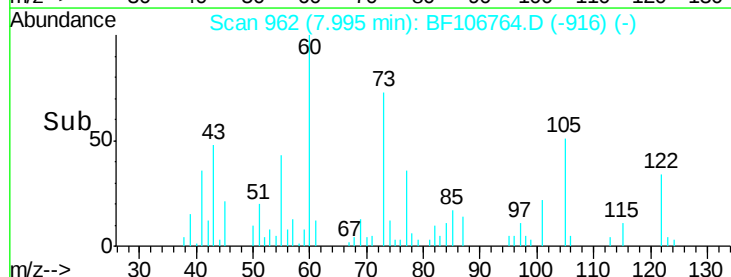
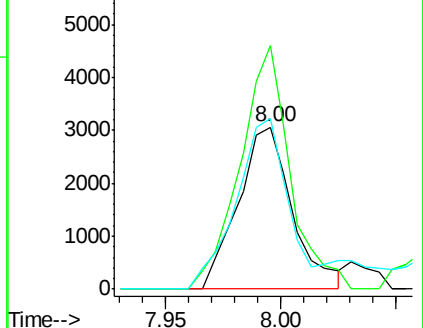
77 105.0 70.7 110.7

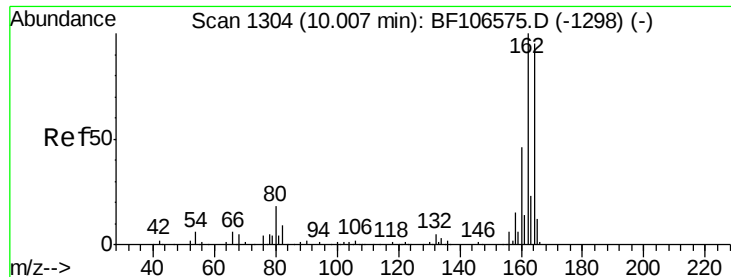


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF106764.D

Acq: 25 Jun 2018 11:59

Instrument :

BNA\_F

ClientSampleId :

26KV-CC-4

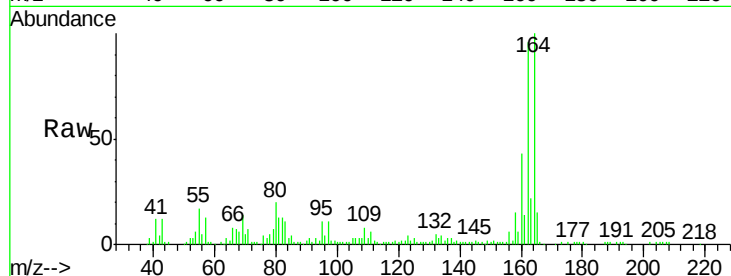
Tgt Ion:164 Resp: 76748

Ion Ratio Lower Upper

164 100

162 96.4 86.1 129.1

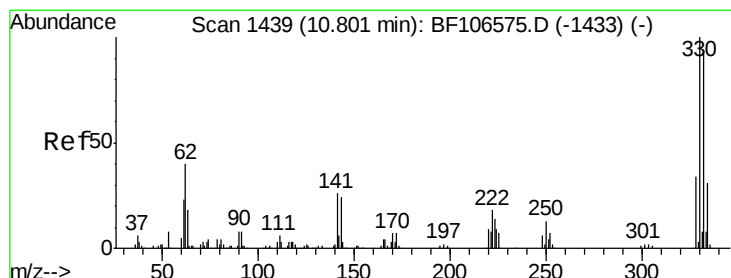
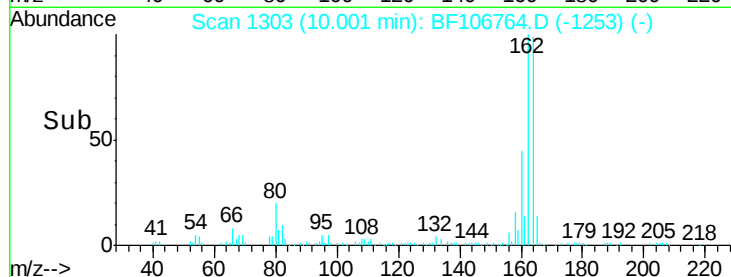
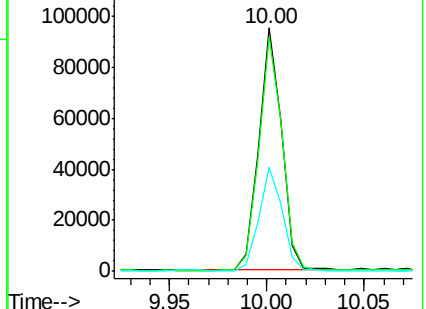
160 42.9 38.3 57.5



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: 113.648 ng

RT: 10.81 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BF106764.D

Acq: 25 Jun 2018 11:59

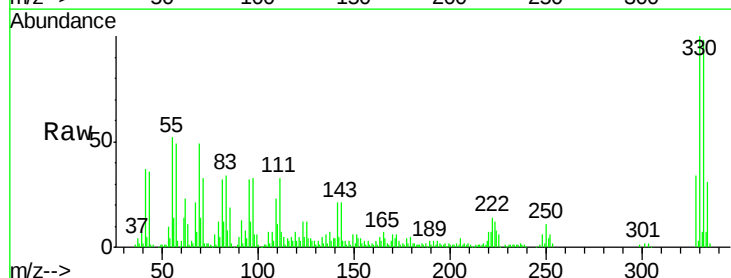
Tgt Ion:330 Resp: 101093

Ion Ratio Lower Upper

330 100

332 98.1 77.0 115.6

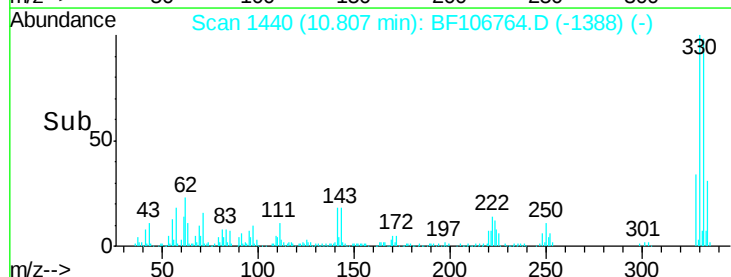
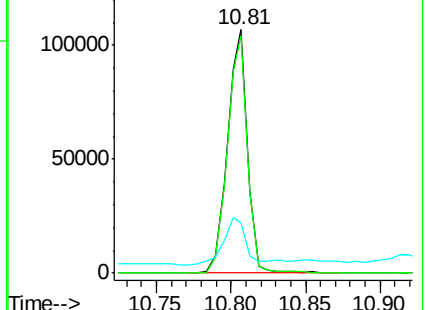
141 22.1 29.9 44.9#



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

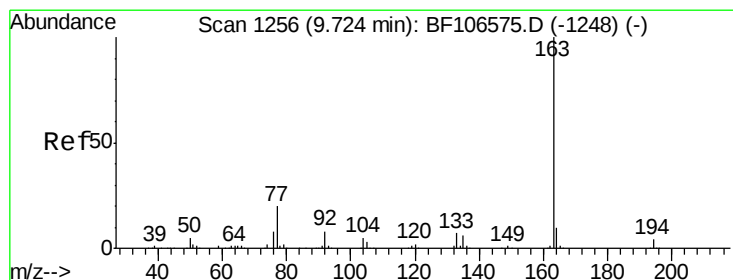
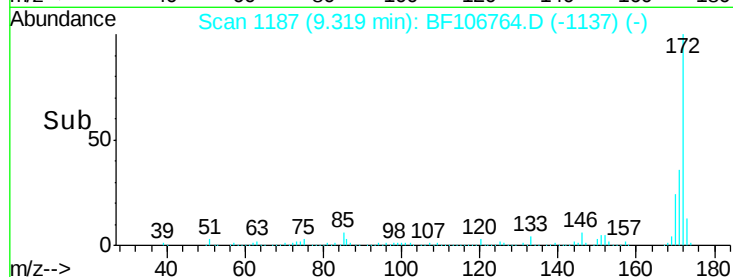
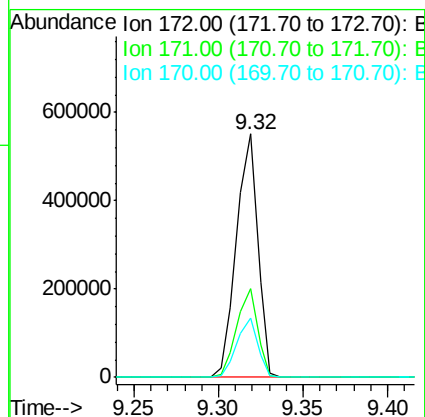
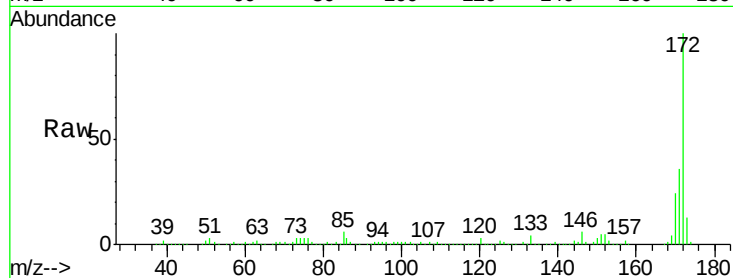




#44  
 2-Fluorobiphenyl  
 Concen: 112.107 ng  
 RT: 9.32 min Scan# 1187  
 Delta R.T. -0.01 min  
 Lab File: BF106764.D  
 Acq: 25 Jun 2018 11:59

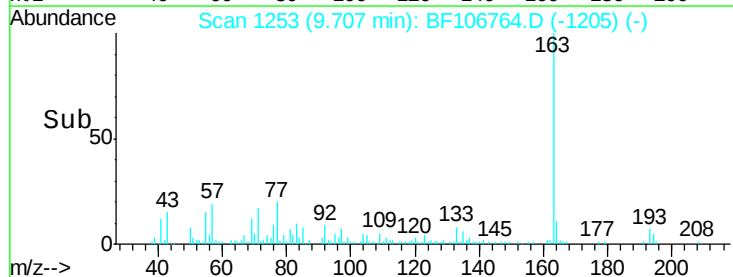
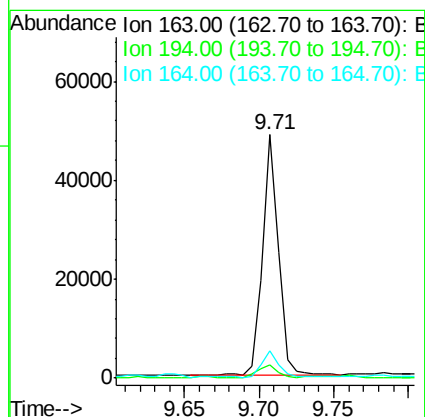
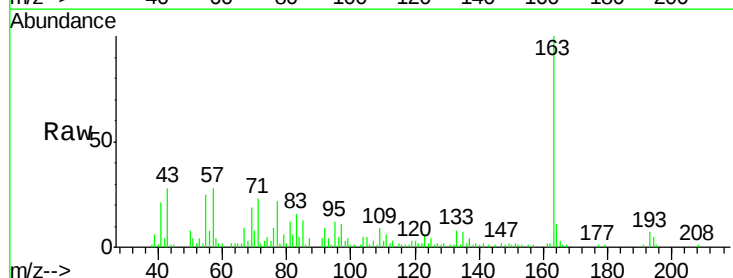
Instrument :  
 BNA\_F  
 ClientSampleId :  
 26KV-CC-4

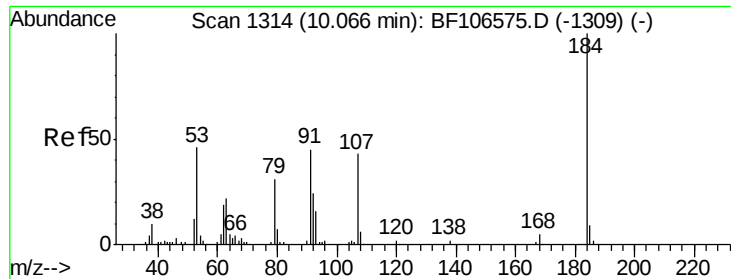
Tgt Ion:172 Resp: 486992  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.7 44.5  
 170 24.5 19.6 29.4



#49  
 Dimethylphthalate  
 Concen: 6.277 ng  
 RT: 9.71 min Scan# 1253  
 Delta R.T. -0.02 min  
 Lab File: BF106764.D  
 Acq: 25 Jun 2018 11:59

Tgt Ion:163 Resp: 36133  
 Ion Ratio Lower Upper  
 163 100  
 194 5.5 2.7 4.1#  
 164 11.2 8.2 12.2

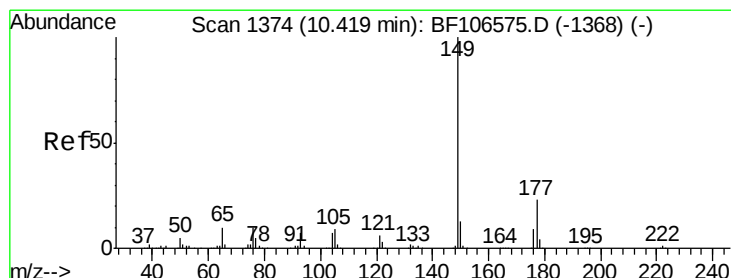
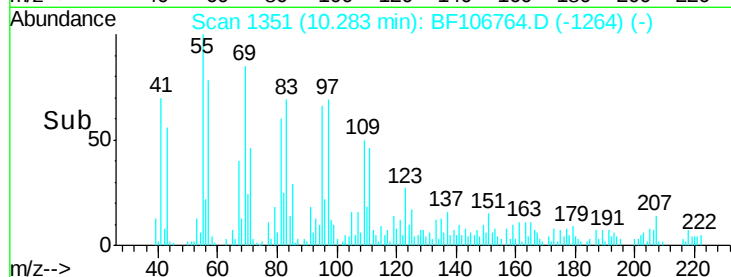
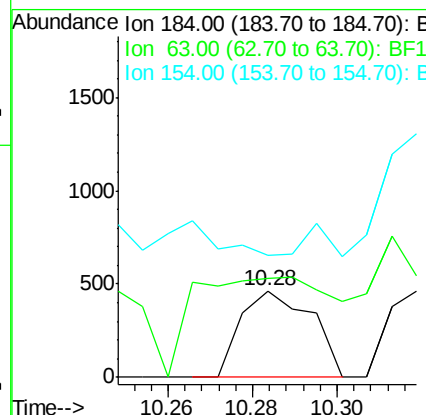
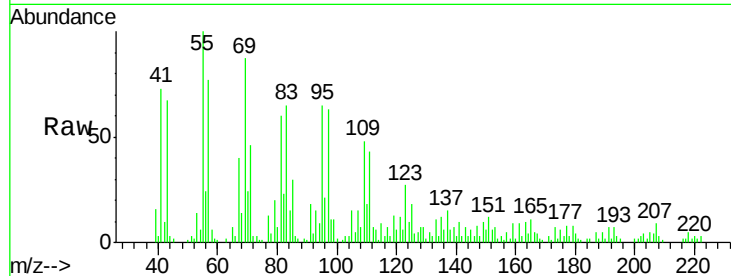




#53  
2,4-Dinitrophenol  
Concen: 6.144 ng  
RT: 10.28 min Scan# 1351  
Delta R.T. 0.21 min  
Lab File: BF106764.D  
Acq: 25 Jun 2018 11:59

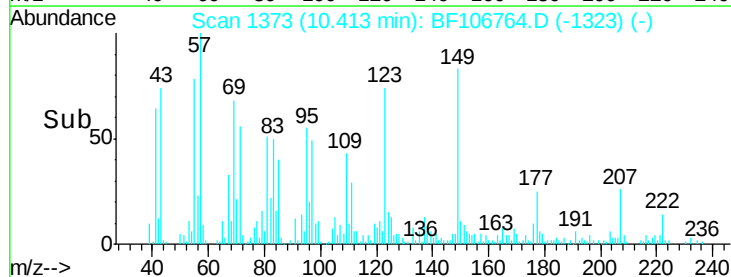
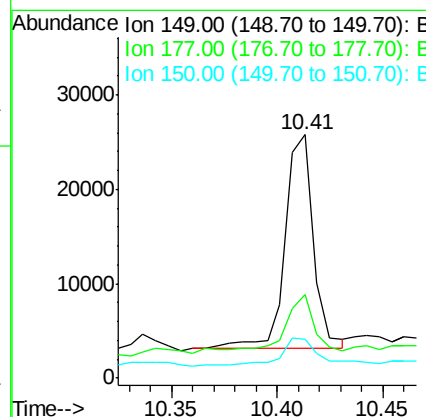
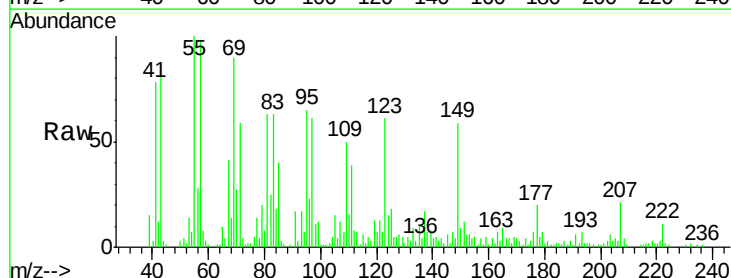
Instrument :  
BNA\_F  
ClientSampleId :  
26KV-CC-4

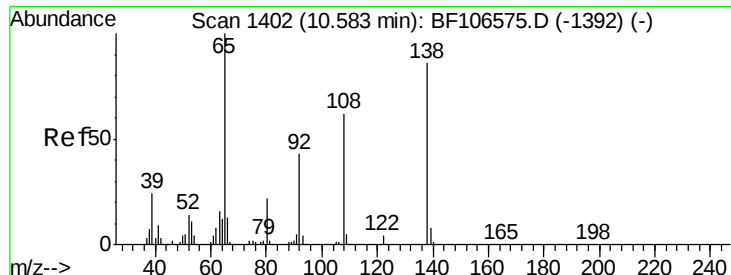
Tgt Ion:184 Resp: 537  
Ion Ratio Lower Upper  
184 100  
63 114.0 54.2 81.2#  
154 141.9 184.0 276.0#



#59  
Diethylphthalate  
Concen: 3.845 ng  
RT: 10.41 min Scan# 1373  
Delta R.T. -0.01 min  
Lab File: BF106764.D  
Acq: 25 Jun 2018 11:59

Tgt Ion:149 Resp: 21359  
Ion Ratio Lower Upper  
149 100  
177 34.2 16.1 24.1#  
150 15.8 10.1 15.1#

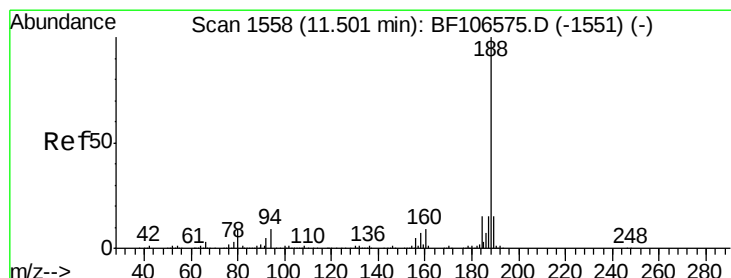
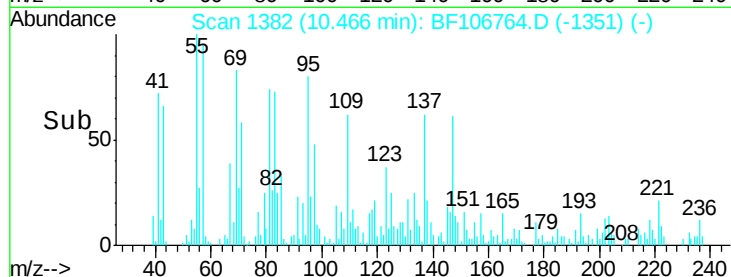
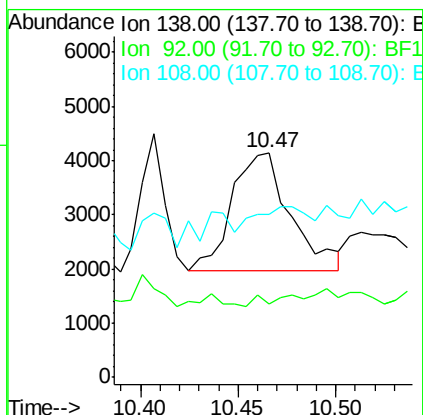
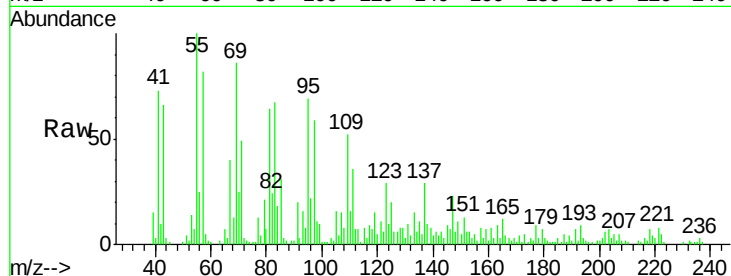




#61  
4-Nitroaniline  
Concen: 3.251 ng  
RT: 10.47 min Scan# 1382  
Delta R.T. -0.12 min  
Lab File: BF106764.D  
Acq: 25 Jun 2018 11:59

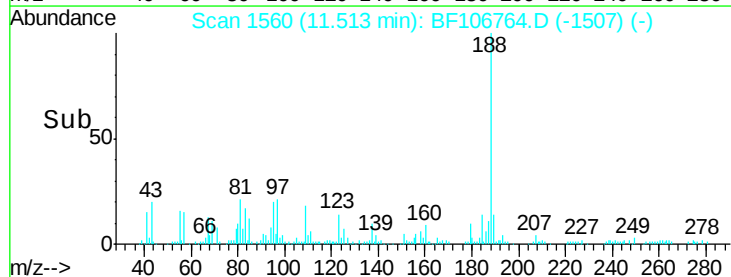
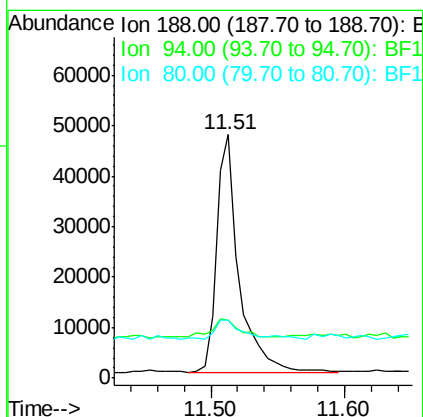
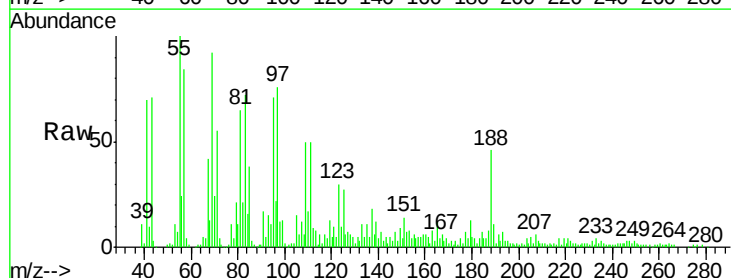
Instrument :  
BNA\_F  
ClientSampleId :  
26KV-CC-4

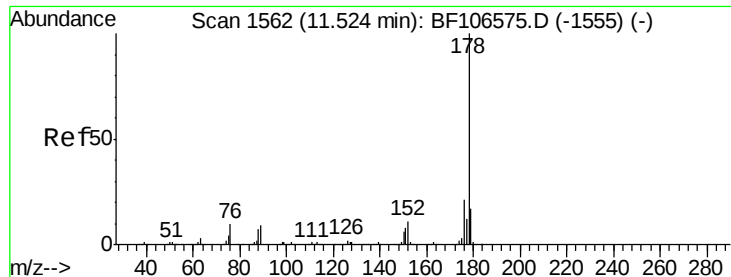
Tgt Ion:138 Resp: 4525  
Ion Ratio Lower Upper  
138 100  
92 32.7 30.2 70.2  
108 72.3 52.5 92.5



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.51 min Scan# 1560  
Delta R.T. 0.01 min  
Lab File: BF106764.D  
Acq: 25 Jun 2018 11:59

Tgt Ion:188 Resp: 54659  
Ion Ratio Lower Upper  
188 100  
94 23.6 8.5 12.7#  
80 23.9 9.2 13.8#





#70

Phenanthrene

Concen: 2.605 ng

RT: 11.54 min Scan# 1564

Delta R.T. 0.01 min

Lab File: BF106764.D

Acq: 25 Jun 2018 11:59

Instrument :

BNA\_F

ClientSampleId :

26KV-CC-4

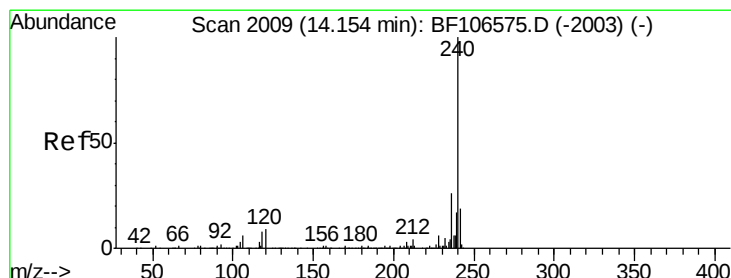
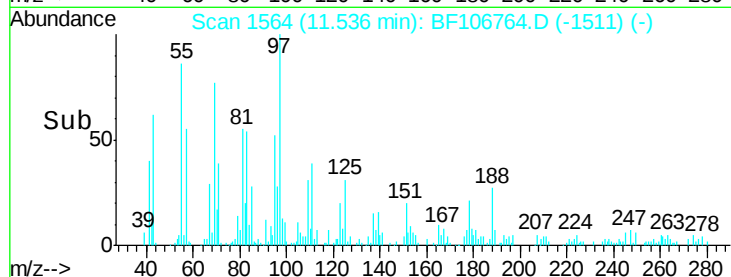
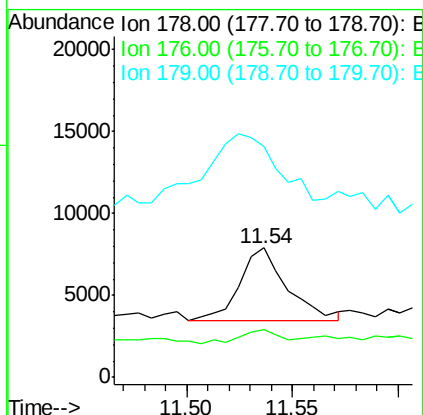
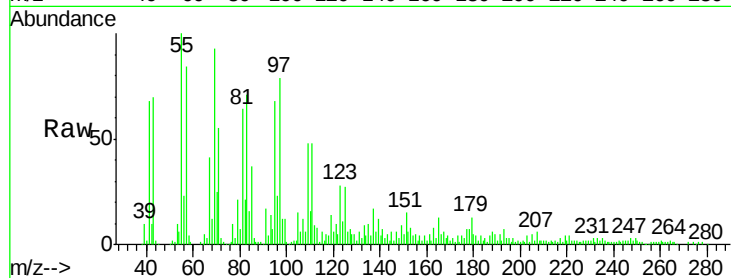
Tgt Ion:178 Resp: 6867

Ion Ratio Lower Upper

178 100

176 36.8 15.8 23.8#

179 177.7 13.0 19.6#



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.23 min Scan# 2022

Delta R.T. 0.08 min

Lab File: BF106764.D

Acq: 25 Jun 2018 11:59

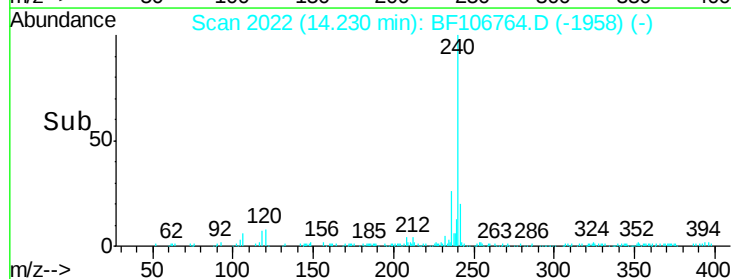
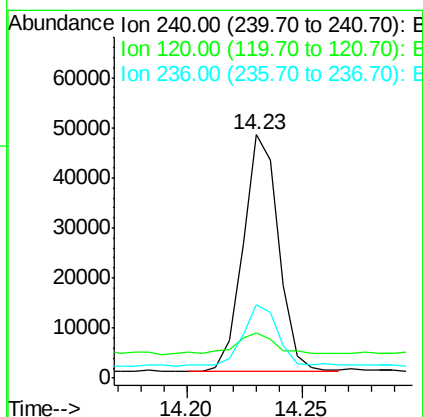
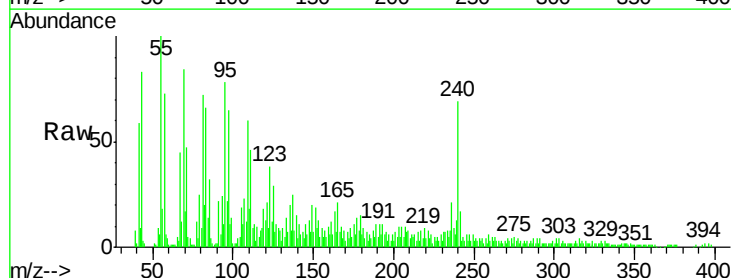
Tgt Ion:240 Resp: 50416

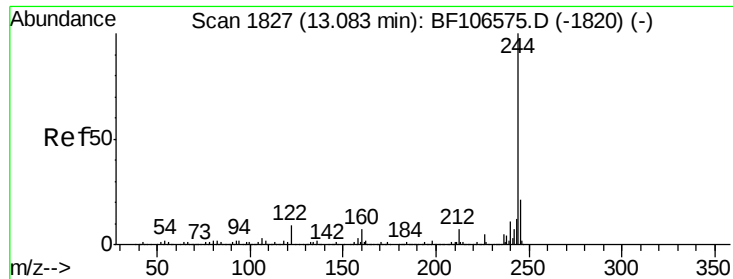
Ion Ratio Lower Upper

240 100

120 18.4 9.5 14.3#

236 30.0 20.7 31.1





#78

Terphenyl-d14

Concen: 47.164 ng

RT: 13.16 min Scan# 1840

Delta R.T. 0.08 min

Lab File: BF106764.D

Acq: 25 Jun 2018 11:59

Instrument :

BNA\_F

ClientSampleId :

26KV-CC-4

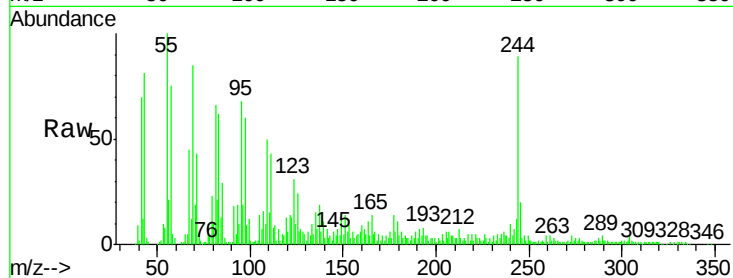
Tgt Ion:244 Resp: 98163

Ion Ratio Lower Upper

244 100

212 8.3 5.4 8.0#

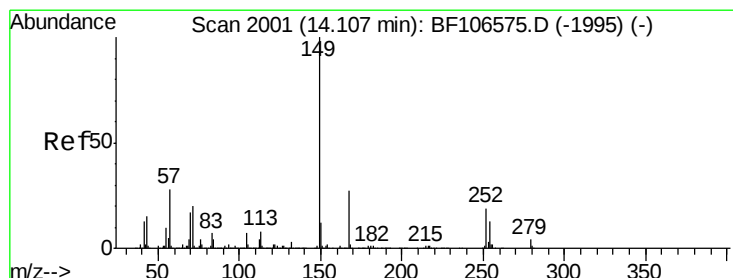
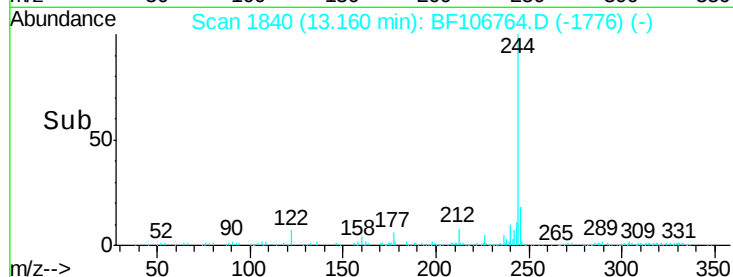
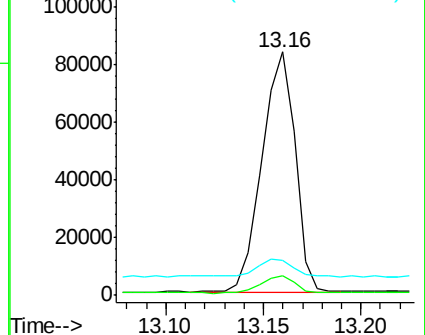
122 14.5 11.0 16.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.974 ng

RT: 14.17 min Scan# 2011

Delta R.T. 0.06 min

Lab File: BF106764.D

Acq: 25 Jun 2018 11:59

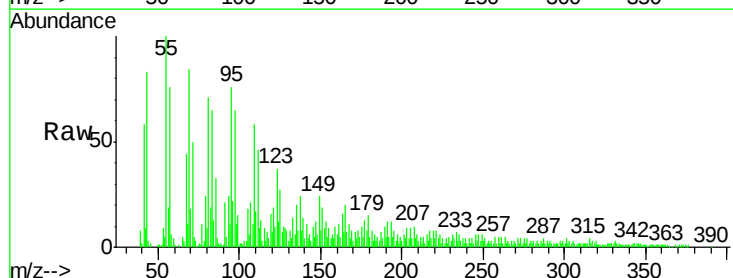
Tgt Ion:149 Resp: 5198

Ion Ratio Lower Upper

149 100

167 43.7 21.3 31.9#

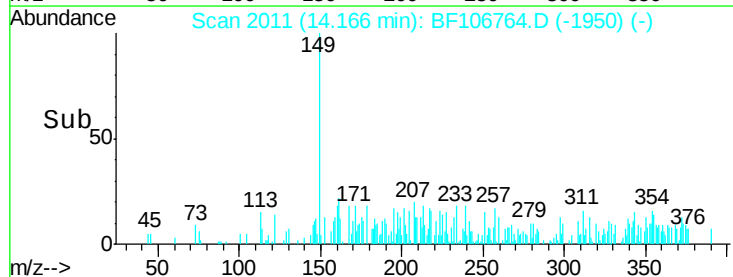
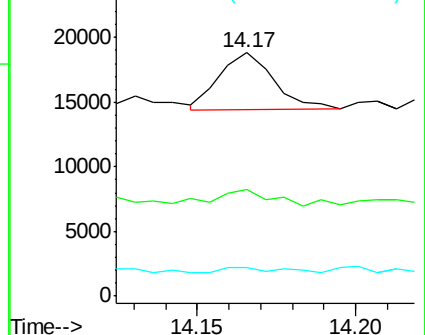
279 11.8 3.0 4.4#

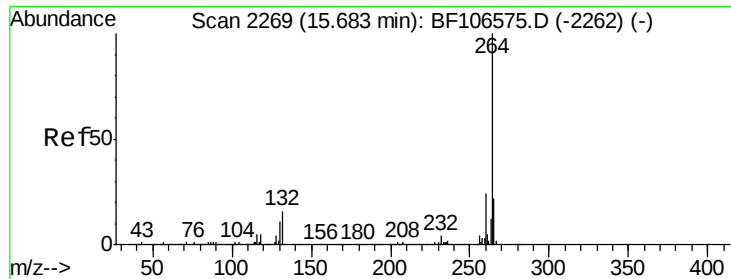


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.77 min Scan# 2284  
Delta R.T. 0.08 min  
Lab File: BF106764.D  
Acq: 25 Jun 2018 11:59

Instrument :  
BNA\_F  
ClientSampleId :  
26KV-CC-4

Tgt Ion: 264 Resp: 122488  
Ion Ratio Lower Upper  
264 100  
260 23.6 19.2 28.8  
265 21.3 17.5 26.3

