

Data Path : U:\HPCHEM1\BNA F\DATA\BF011818\  
 Data File : BF102206.D  
 Acq On : 18 Jan 2018 21:54  
 Operator : SJ/JU  
 Sample : J1177-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 19 00:17:05 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 17 15:28:18 2018  
 Response via : Initial Calibration

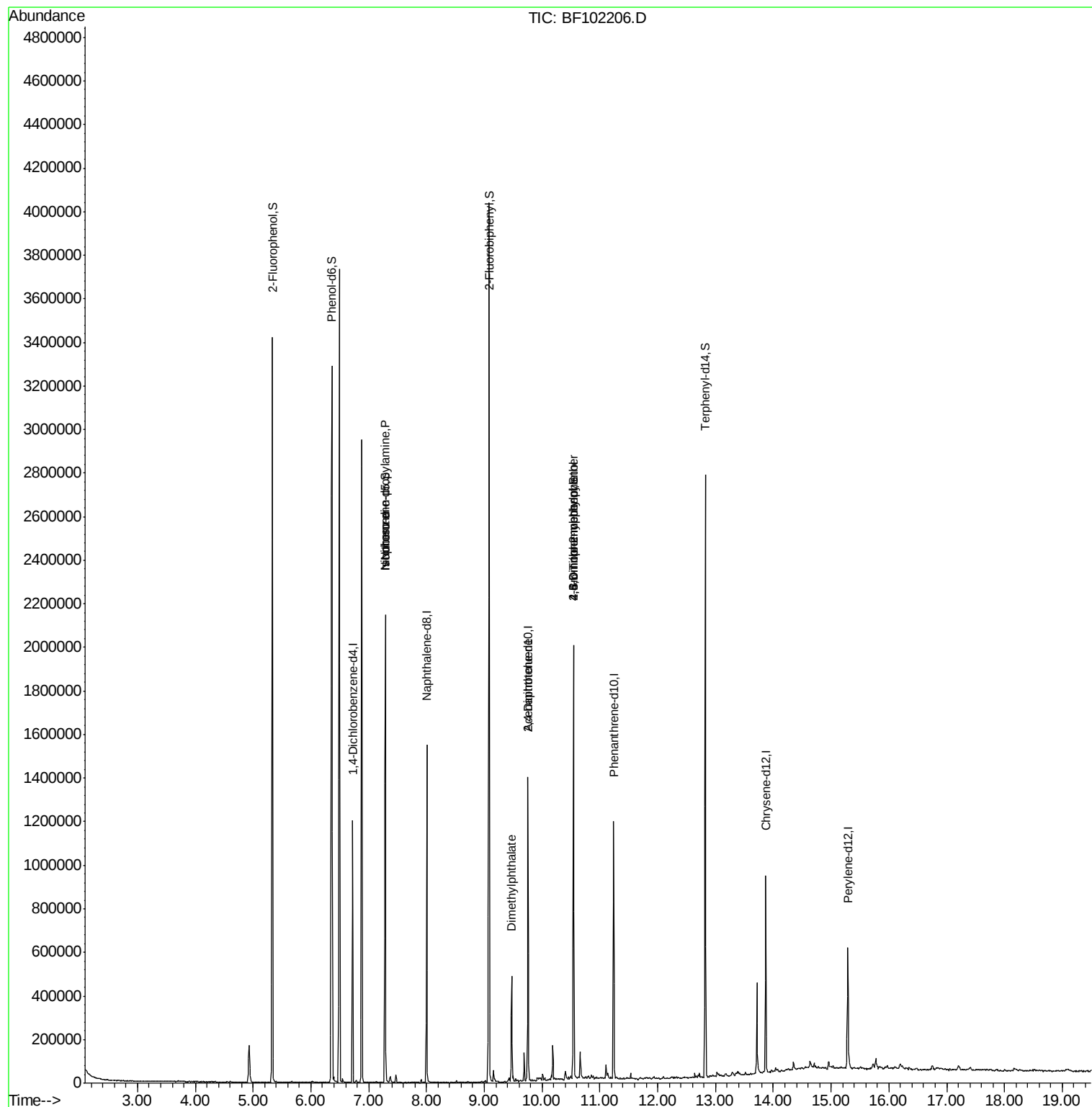
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 156266   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.00  | 136  | 624537   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 9.76  | 164  | 258467   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.24 | 188  | 376054   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 13.87 | 240  | 290304   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 15.29 | 264  | 246427   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.33  | 112  | 1037324  | 93.74  | ng    | 0.01     |
| 7) Phenol-d6                   | 6.36  | 99   | 1243075  | 94.15  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.29  | 82   | 780957   | 73.48  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 10.55 | 330  | 216802   | 96.12  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.08  | 172  | 1352632  | 81.76  | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.83 | 244  | 938973   | 67.16  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.29  | 70   | 104657   | 12.095 | ng    | # 80     |
| 25) Isophorone                 | 7.29  | 82   | 774091   | 36.862 | ng    | # 64     |
| 49) Dimethylphthalate          | 9.47  | 163  | 166020   | 8.007  | ng    | # 99     |
| 56) 2,4-Dinitrotoluene         | 9.76  | 165  | 32371    | 6.236  | ng    | # 24     |
| 64) 4,6-Dinitro-2-methylphenol | 10.55 | 198  | 452      | 5.857  | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.55 | 248  | 13795    | 3.474  | ng    | # 1      |

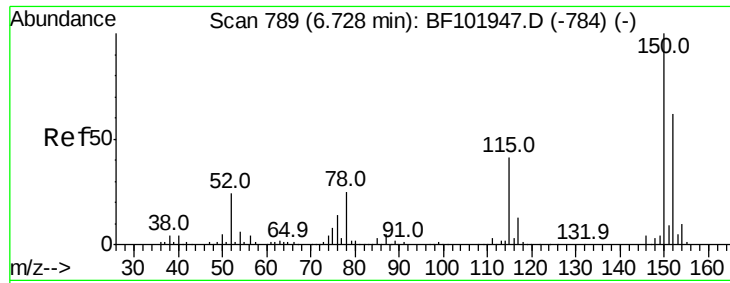
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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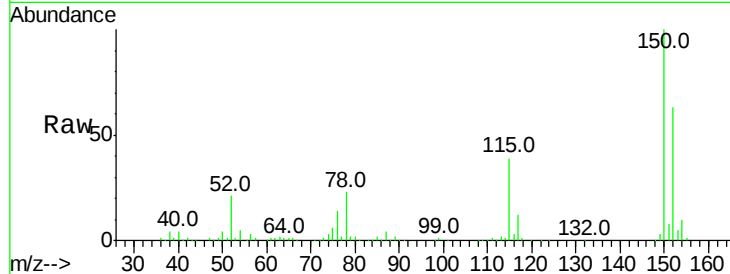


#1

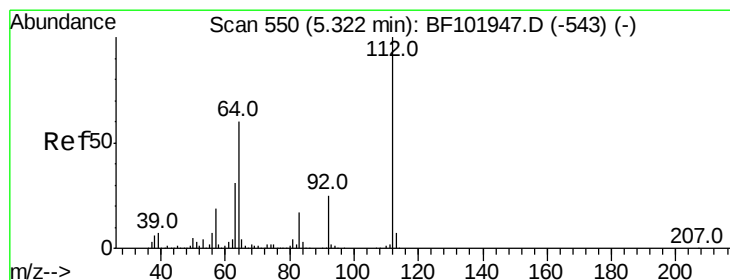
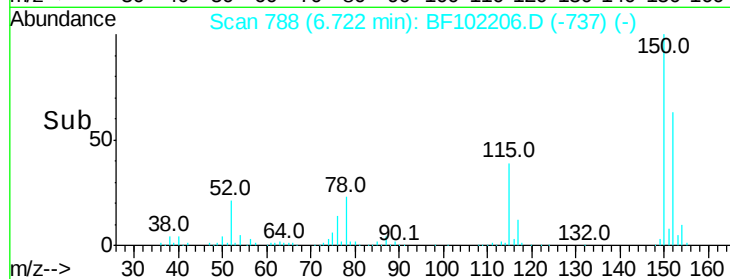
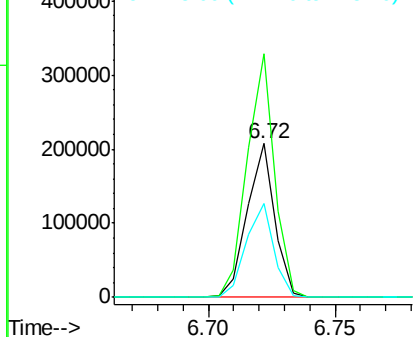
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 788  
Delta R.T. -0.00 min  
Lab File: BF102206.D  
Acq: 18 Jan 2018 21:54

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 156266  
Ion Ratio Lower Upper  
152 100  
150 158.4 124.6 186.8  
115 61.0 50.1 75.1



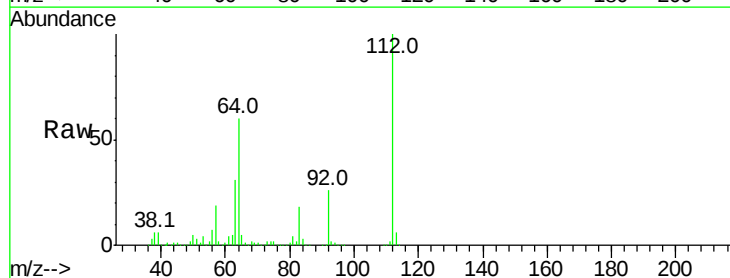
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



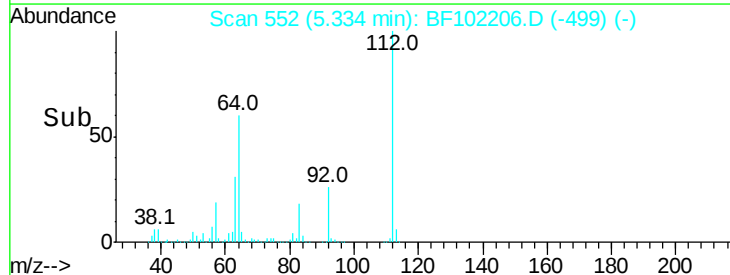
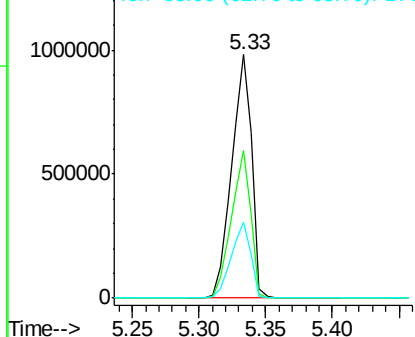
#5

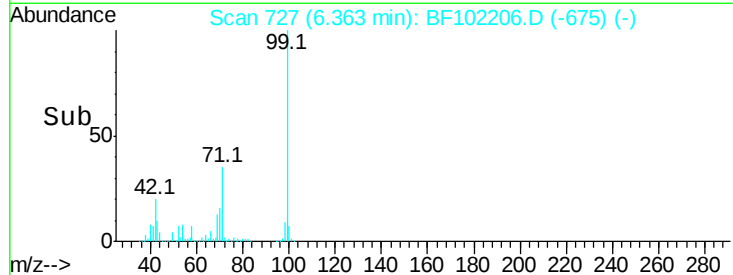
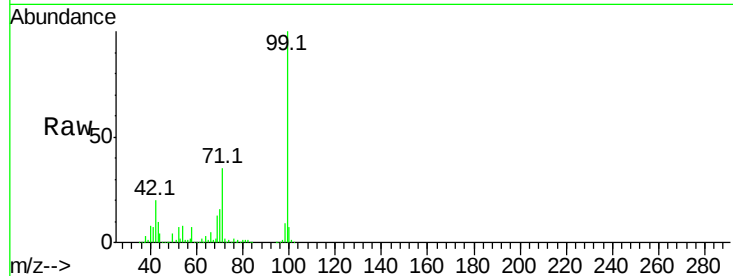
2-Fluorophenol  
Concen: 93.737 ng  
RT: 5.33 min Scan# 552  
Delta R.T. 0.01 min  
Lab File: BF102206.D  
Acq: 18 Jan 2018 21:54

Tgt Ion:112 Resp: 1037324  
Ion Ratio Lower Upper  
112 100  
64 60.4 47.9 71.9  
63 31.2 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: 94.149 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102206.D

Acq: 18 Jan 2018 21:54

Instrument :

BNA\_F

ClientSampled :

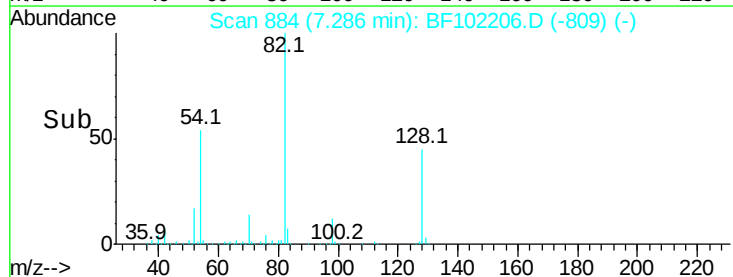
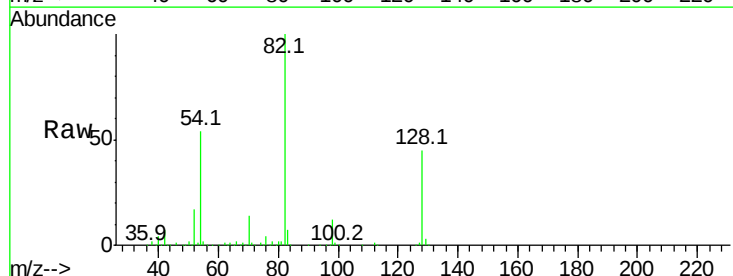
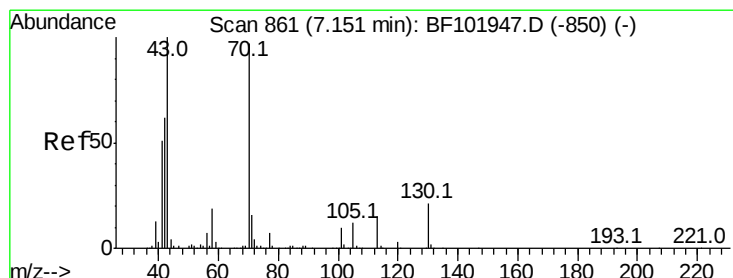
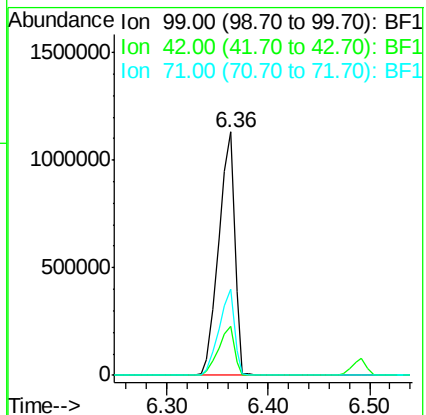
Tot Ion: 99 Resp: 1243075

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

71 35.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 12.095 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102206.D

Acq: 18 Jan 2018 21:54

Tgt Ion: 70 Resp: 104657

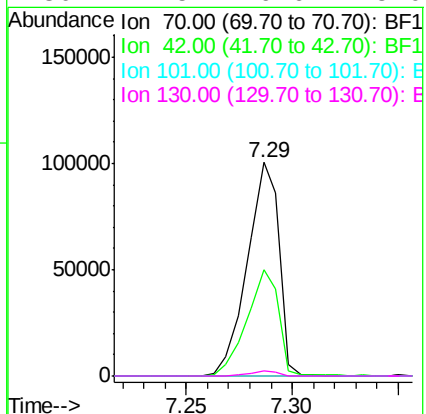
Ion Ratio Lower Upper

70 100

42 49.7 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

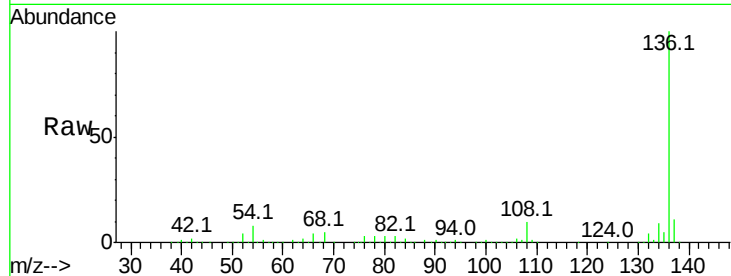




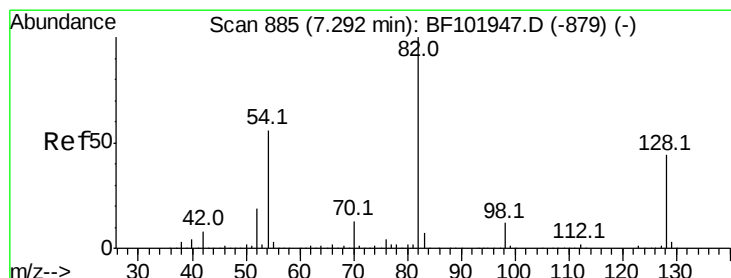
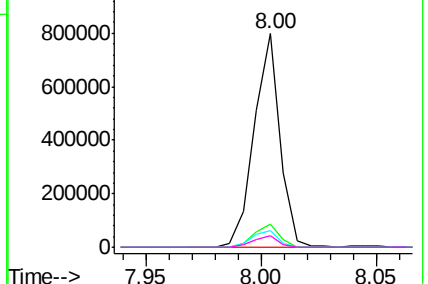
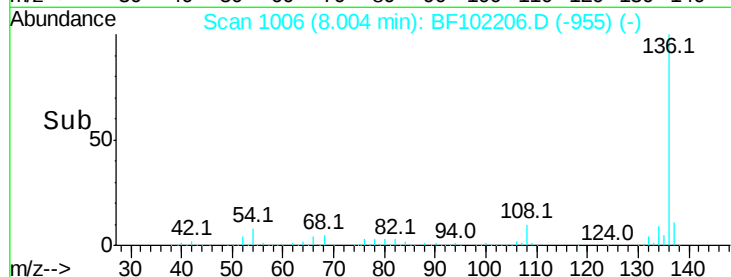
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1006  
Delta R.T. -0.00 min  
Lab File: BF102206.D  
Acq: 18 Jan 2018 21:54

Instrument :  
BNA\_F  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 624537 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.8  | 8.9   | 13.3   |
| 54       | 7.6   | 6.6   | 9.8    |
| 68       | 5.4   | 5.0   | 7.4    |

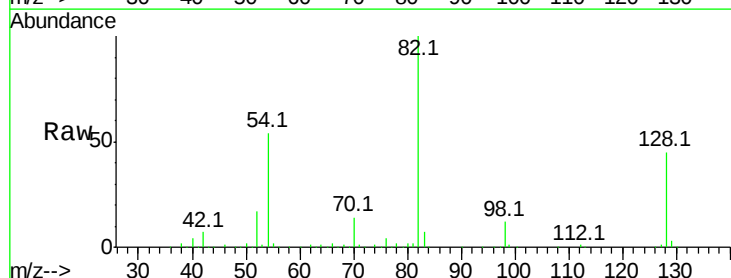


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

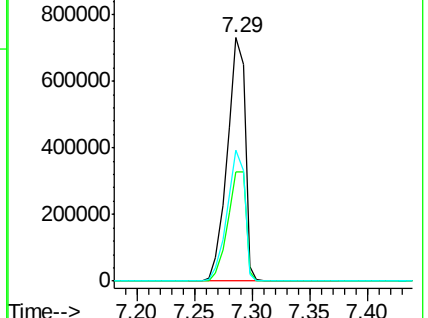
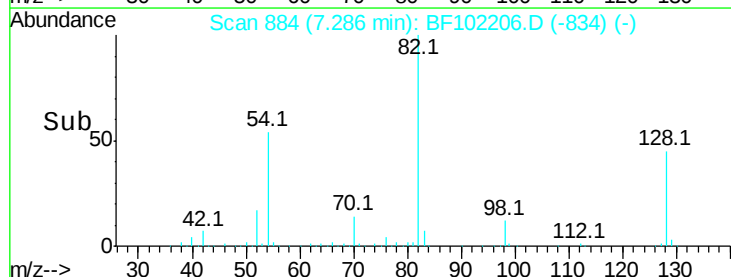


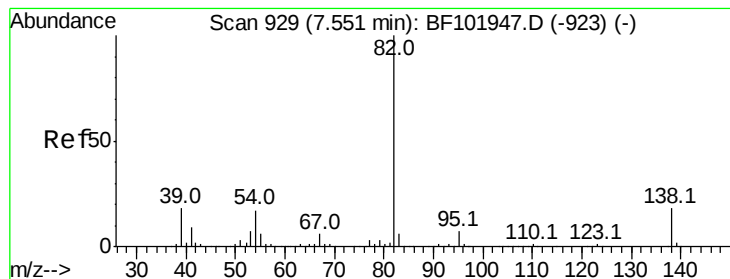
#23  
Nitrobenzene-d5  
Concen: 73.482 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.01 min  
Lab File: BF102206.D  
Acq: 18 Jan 2018 21:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 780957 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 44.8  | 36.1  | 54.1   |
| 54       | 53.9  | 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: 36.862 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102206.D

Acq: 18 Jan 2018 21:54

Instrument :

BNA\_F

ClientSampleId :

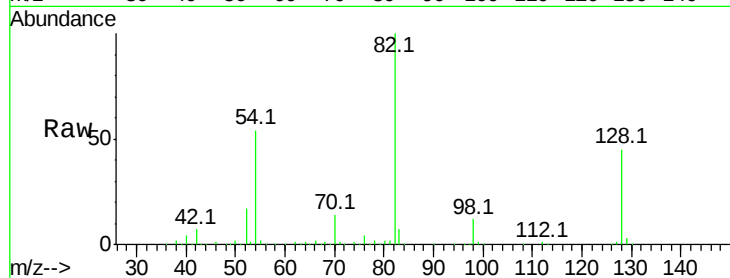
Tot Ion: 82 Resp: 774091

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

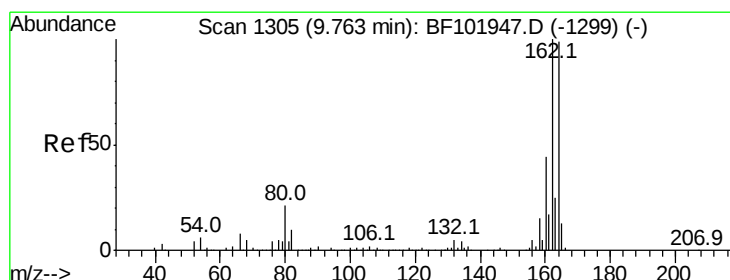
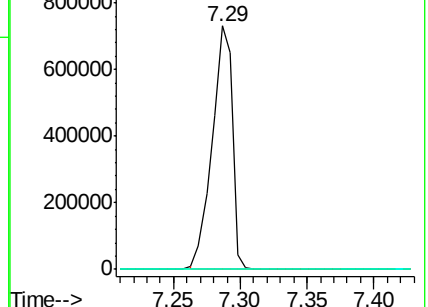
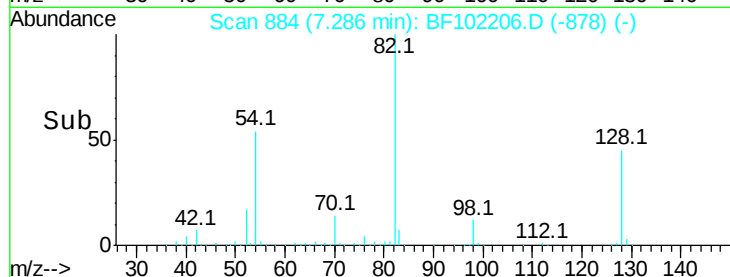
138 0.0 14.9 22.3#



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: 9.76 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF102206.D

Acq: 18 Jan 2018 21:54

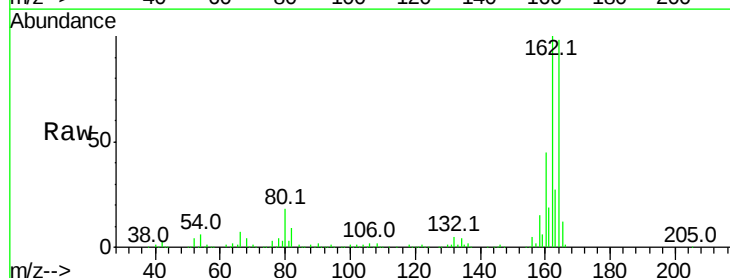
Tgt Ion:164 Resp: 258467

Ion Ratio Lower Upper

164 100

162 102.2 86.1 129.1

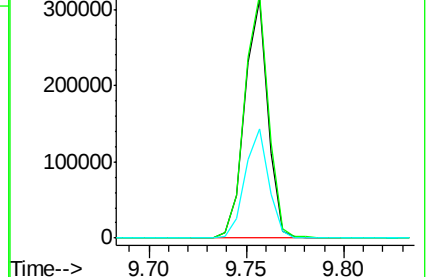
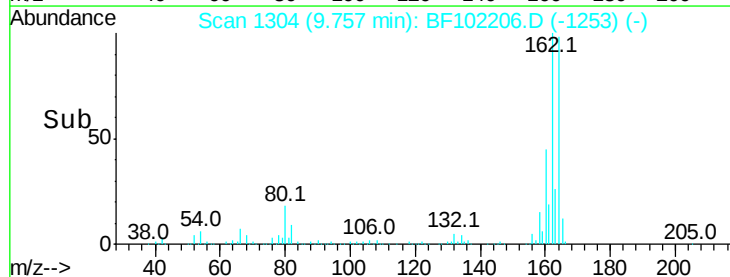
160 46.1 38.3 57.5



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

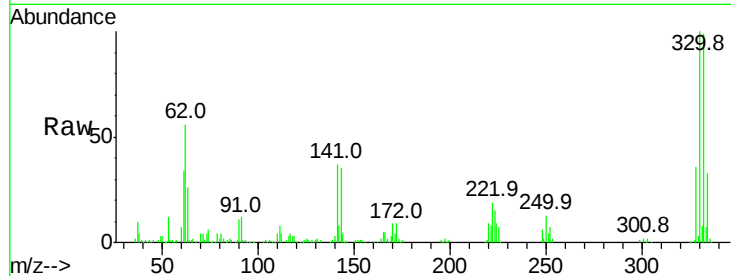




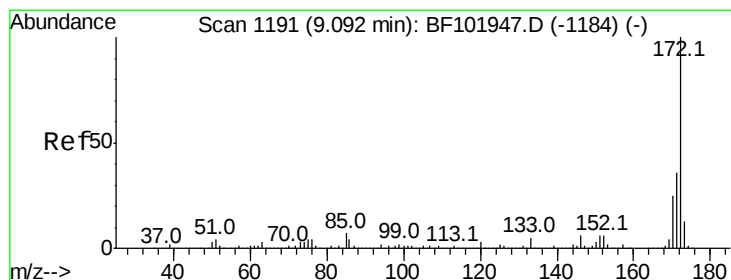
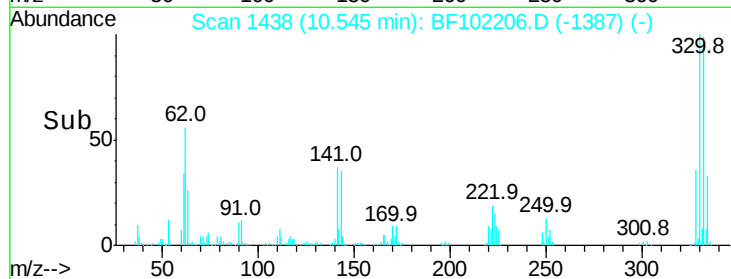
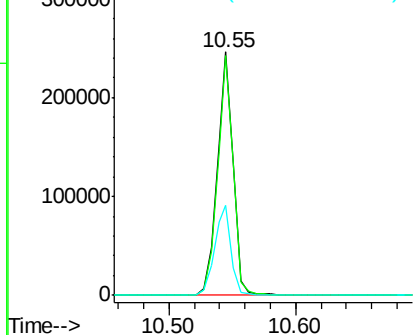
#41  
 2,4,6-Tribromophenol  
 Concen: 96.117 ng  
 RT: 10.55 min Scan# 1438  
 Delta R.T. -0.00 min  
 Lab File: BF102206.D  
 Acq: 18 Jan 2018 21:54

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 216802  
 Ion Ratio Lower Upper  
 330 100  
 332 97.3 77.0 115.6  
 141 38.7 29.9 44.9

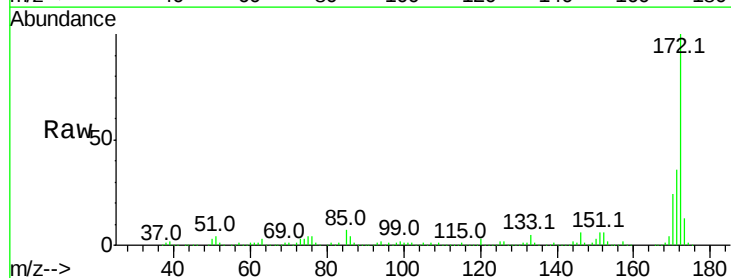


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

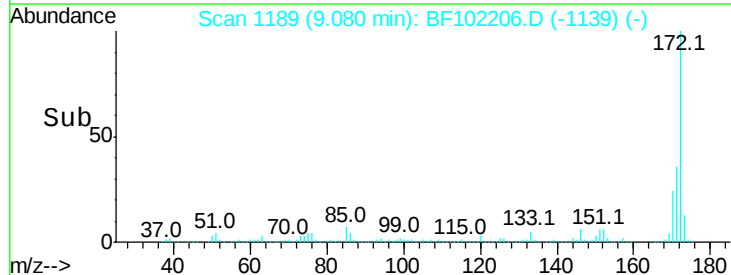
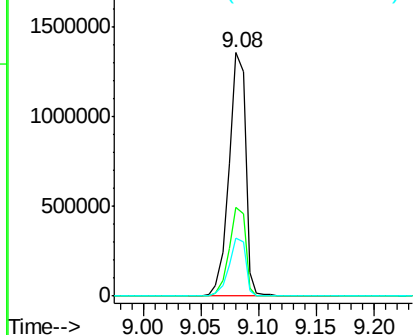


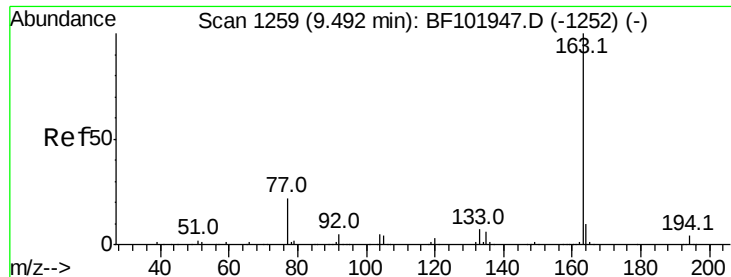
#44  
 2-Fluorobiphenyl  
 Concen: 81.758 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. -0.01 min  
 Lab File: BF102206.D  
 Acq: 18 Jan 2018 21:54

Tgt Ion:172 Resp: 1352632  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.7 44.5  
 170 23.8 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: 8.007 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF102206.D

Acq: 18 Jan 2018 21:54

Instrument :

BNA\_F

ClientSampled :

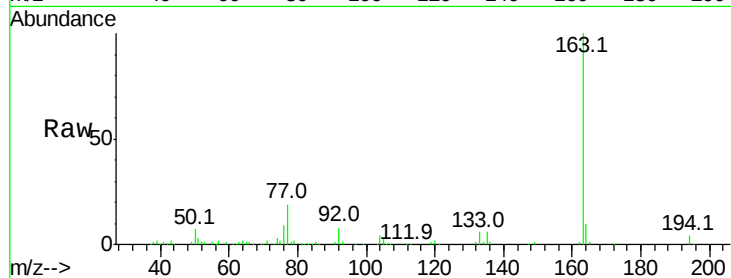
Tot Ion:163 Resp: 166020

Ion Ratio Lower Upper

163 100

194 3.7 2.7 4.1

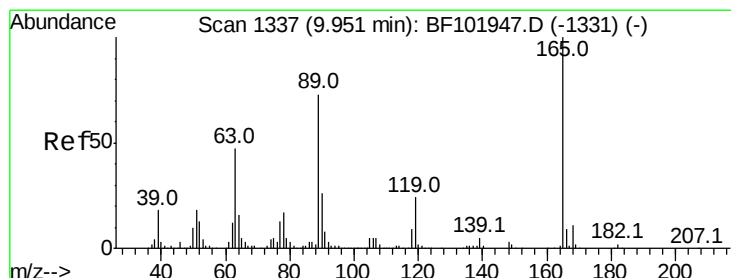
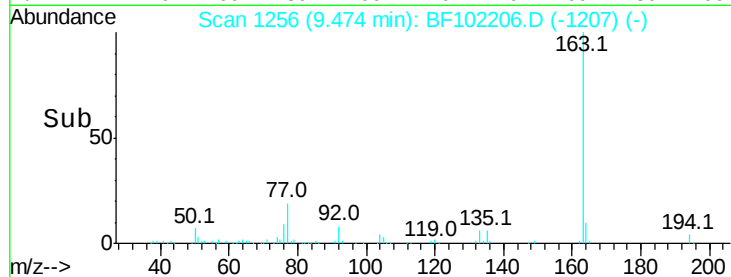
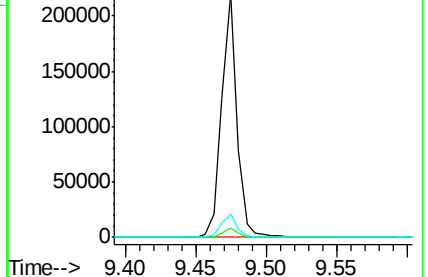
164 9.8 8.2 12.2



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: 6.236 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.19 min

Lab File: BF102206.D

Acq: 18 Jan 2018 21:54

Tgt Ion:165 Resp: 32371

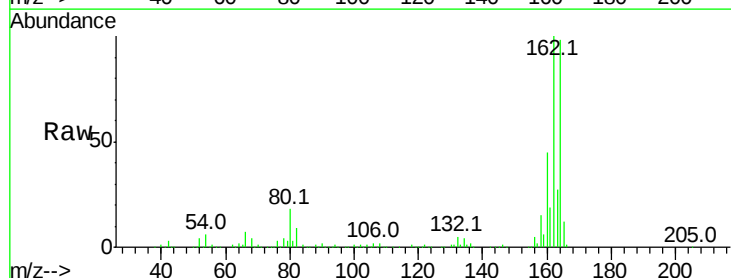
Ion Ratio Lower Upper

165 100

63 1.4 36.4 54.6#

89 2.0 57.8 86.6#

182 0.0 1.6 2.4#

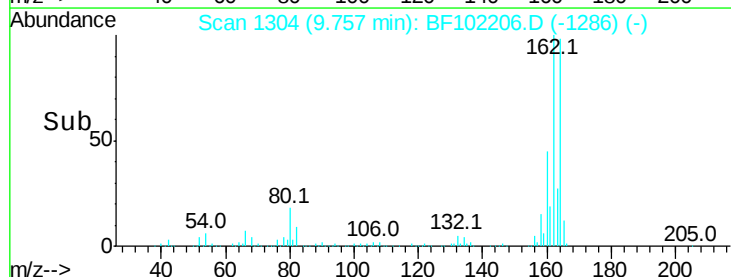
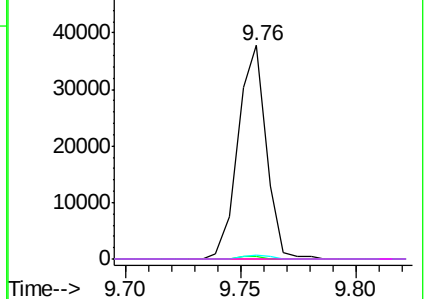


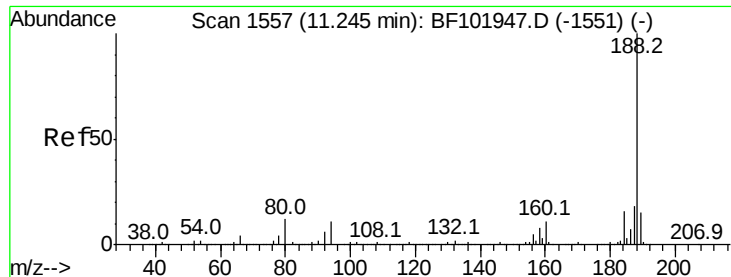
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.24 min Scan# 1556

Delta R.T. -0.00 min

Lab File: BF102206.D

Acq: 18 Jan 2018 21:54

Instrument :

BNA\_F

ClientSampleId :

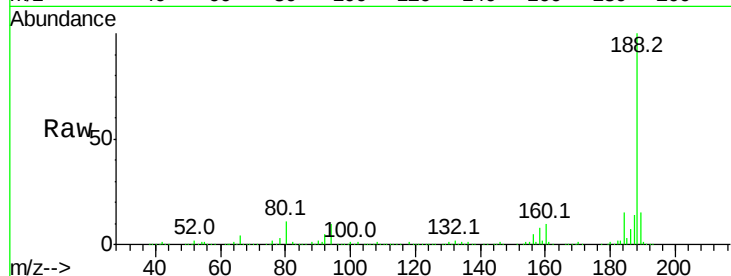
Tot Ion:188 Resp: 376054

Ion Ratio Lower Upper

188 100

94 9.9 8.5 12.7

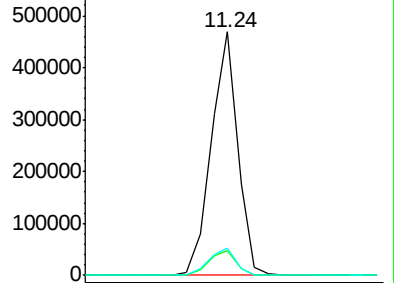
80 11.1 9.2 13.8



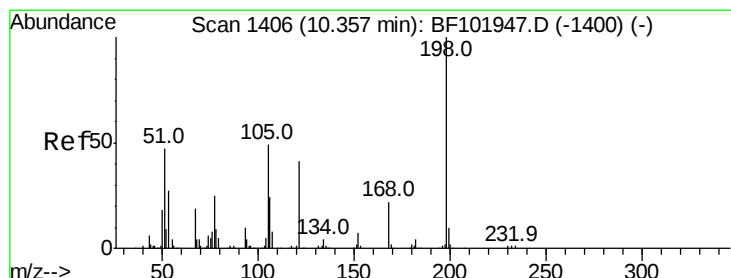
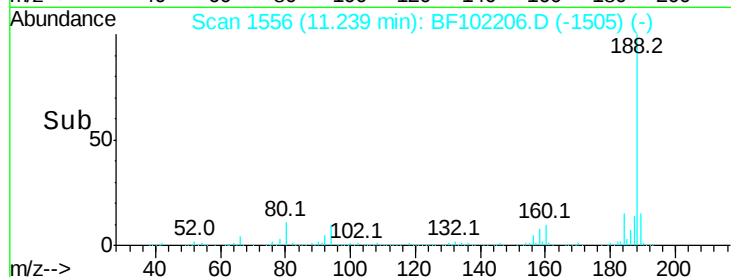
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



Time-->



#64

4,6-Dinitro-2-methylphenol

Concen: 5.857 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.18 min

Lab File: BF102206.D

Acq: 18 Jan 2018 21:54

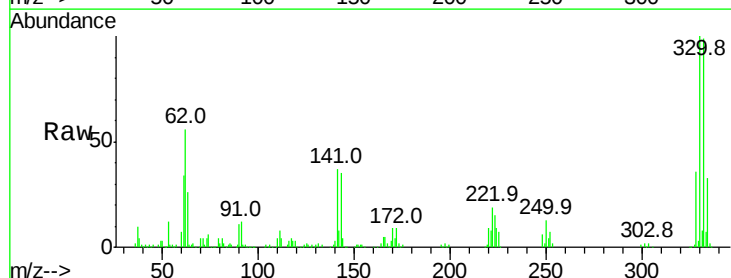
Tgt Ion:198 Resp: 452

Ion Ratio Lower Upper

198 100

51 191.4 37.7 77.7#

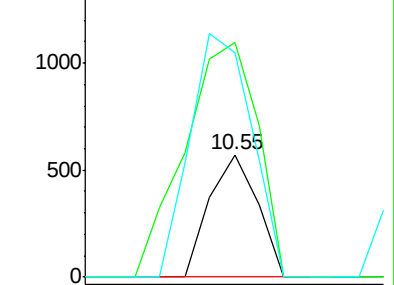
105 183.0 36.3 76.3#



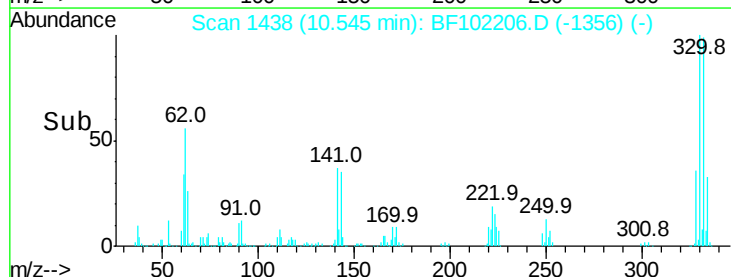
Abundance Ion 198.00 (197.70 to 198.70): E

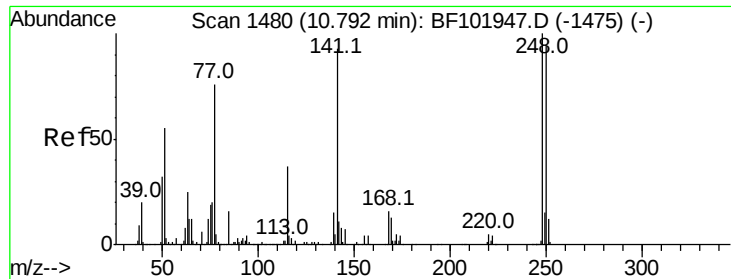
Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



Time-->

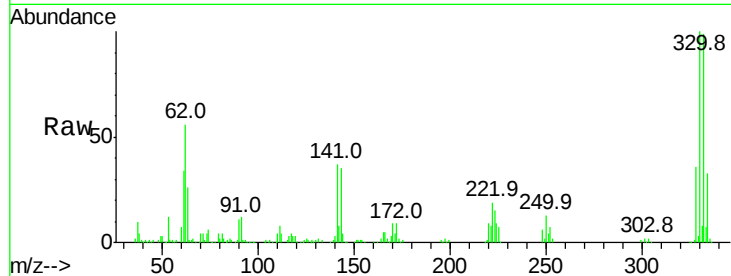




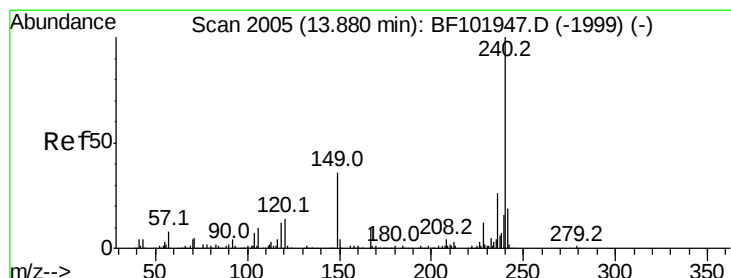
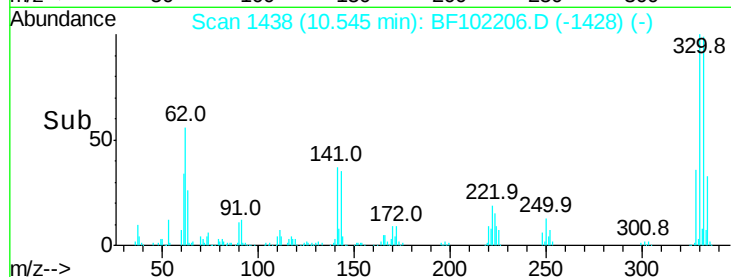
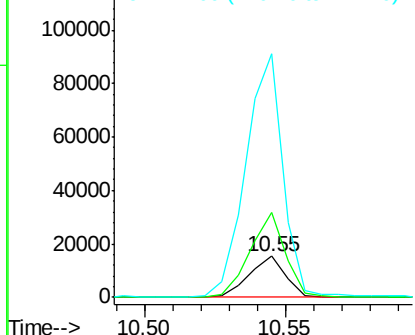
#66  
4-Bromophenyl-phenylether  
Concen: 3.474 ng  
RT: 10.55 min Scan# 1438  
Delta R.T. -0.24 min  
Lab File: BF102206.D  
Acq: 18 Jan 2018 21:54

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 13795  
Ion Ratio Lower Upper  
248 100  
250 205.2 76.9 115.3#  
141 592.7 74.4 111.6#

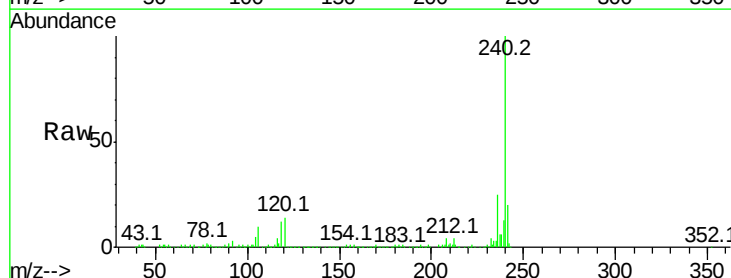


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

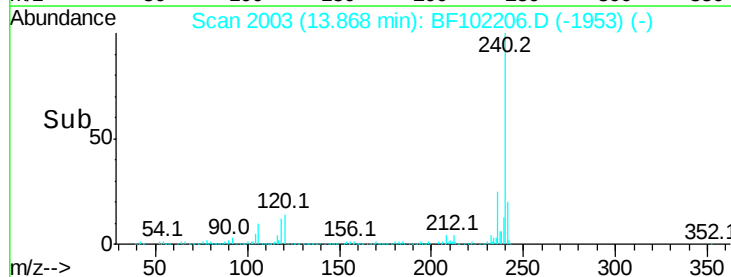
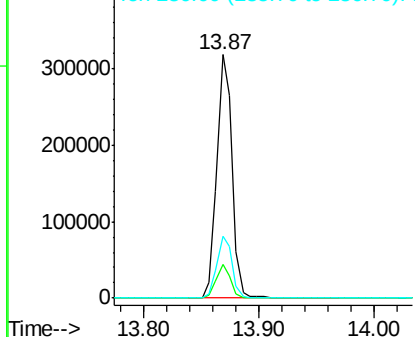


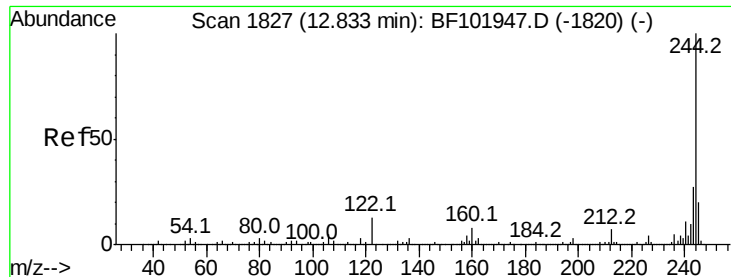
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.87 min Scan# 2003  
Delta R.T. -0.01 min  
Lab File: BF102206.D  
Acq: 18 Jan 2018 21:54

Tgt Ion:240 Resp: 290304  
Ion Ratio Lower Upper  
240 100  
120 14.1 9.5 14.3  
236 25.5 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

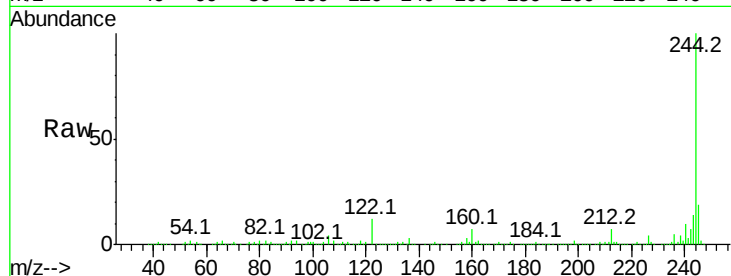




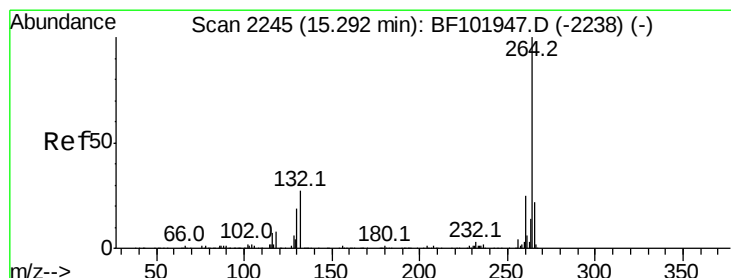
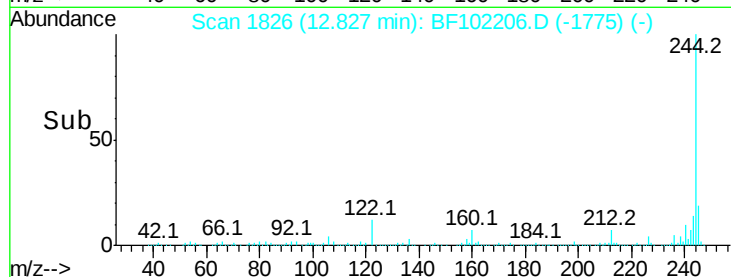
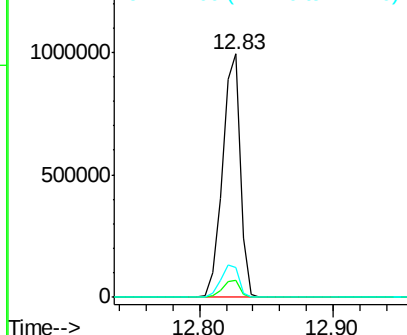
#78  
 Terphenyl-d14  
 Concen: 67.156 ng  
 RT: 12.83 min Scan# 1826  
 Delta R.T. -0.00 min  
 Lab File: BF102206.D  
 Acq: 18 Jan 2018 21:54

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:244 Resp: 938973  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.4 8.0  
 122 12.1 11.0 16.4

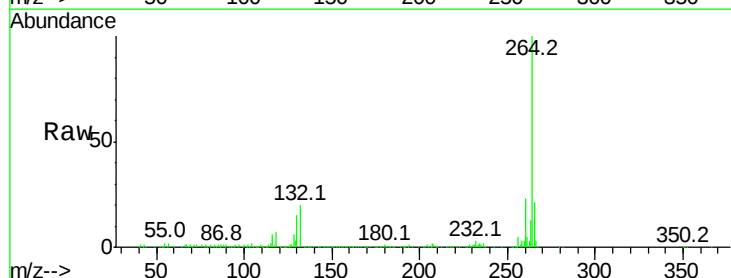


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.29 min Scan# 2245  
 Delta R.T. 0.01 min  
 Lab File: BF102206.D  
 Acq: 18 Jan 2018 21:54

Tgt Ion:264 Resp: 246427  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 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

