

Data Path : U:\HPCHEM1\BNA F\DATA\BF011918\  
 Data File : BF102234.D  
 Acq On : 19 Jan 2018 23:18  
 Operator : SJ/JU  
 Sample : J1203-01 100X  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 20 02:12:06 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 19 13:31:35 2018  
 Response via : Initial Calibration

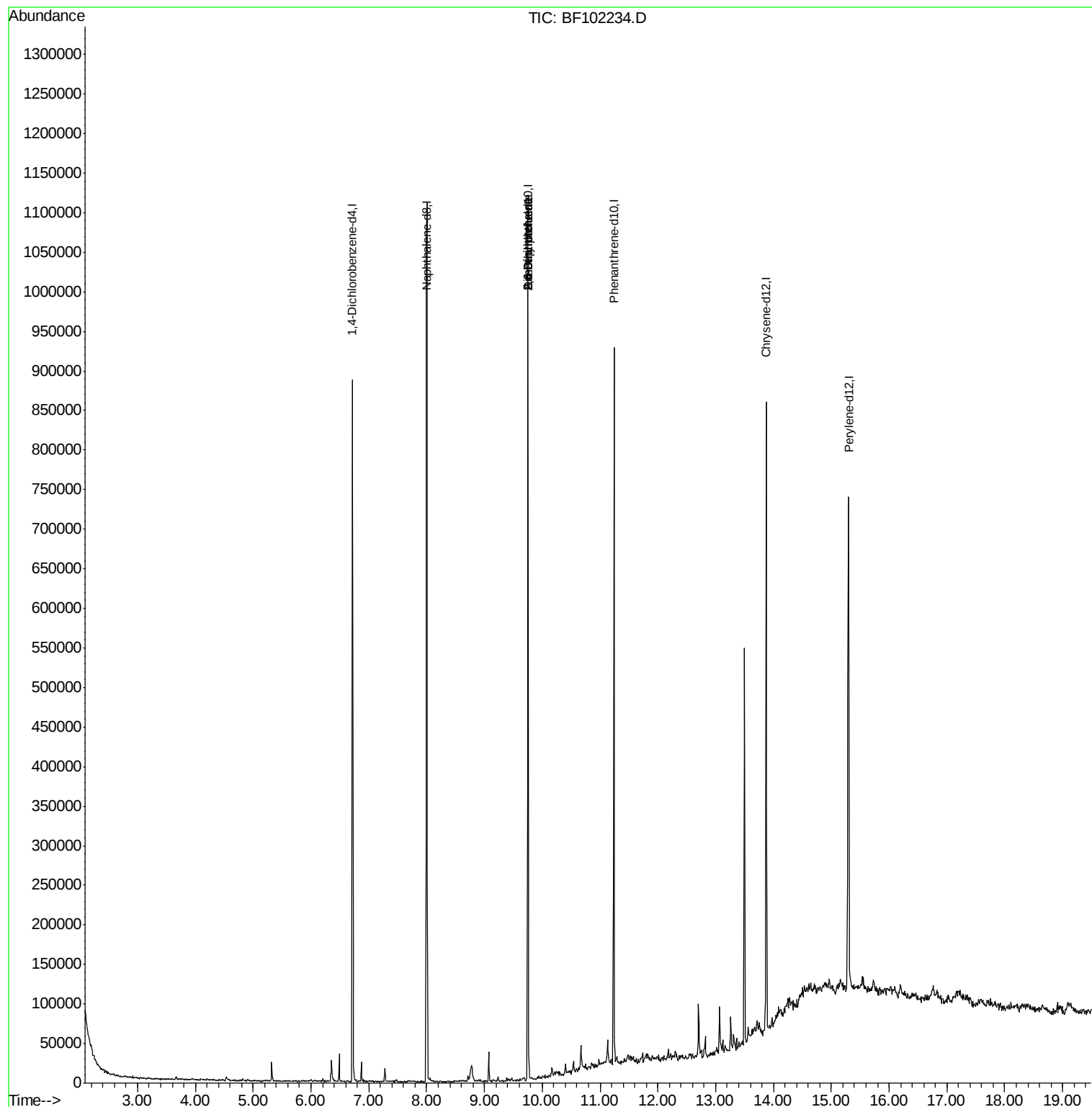
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.72  | 152  | 130271   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.00  | 136  | 510481   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.75  | 164  | 211480   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.24 | 188  | 302912   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.87 | 240  | 249248   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.30 | 264  | 273820   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.32  | 112  | 7511     | 0.81  | ng    | 0.00     |
| 7) Phenol-d6                | 6.35  | 99   | 9447     | 0.86  | ng    | -0.02    |
| 23) Nitrobenzene-d5         | 7.28  | 82   | 5566     | 0.64  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.54 | 330  | 1681     | 0.91  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.07  | 172  | 11941    | 0.88  | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.82 | 244  | 8076     | 0.67  | ng    | -0.01    |
| Target Compounds            |       |      |          |       |       |          |
| 49) Dimethylphthalate       | 9.76  | 163  | 61326    | 3.615 | ng    | # 1      |
| 50) 2,6-Dinitrotoluene      | 9.75  | 165  | 25426    | 7.503 | ng    | # 27     |
| 56) 2,4-Dinitrotoluene      | 9.75  | 165  | 25426    | 5.986 | ng    | # 25     |

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

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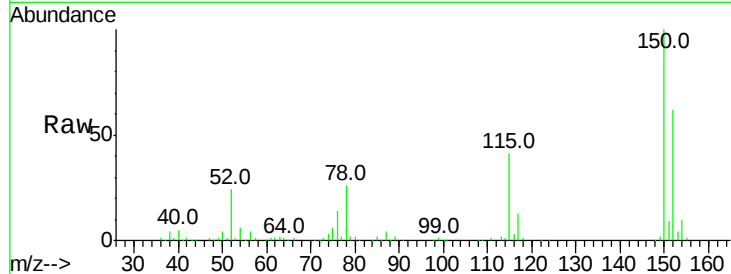


#1

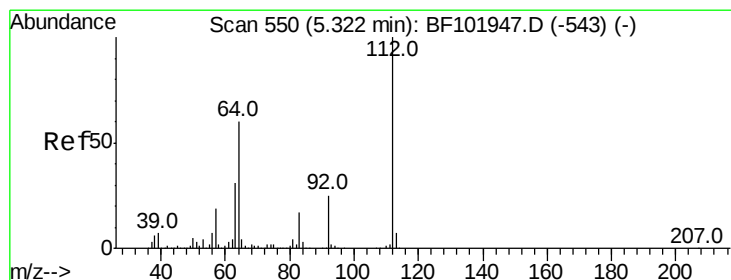
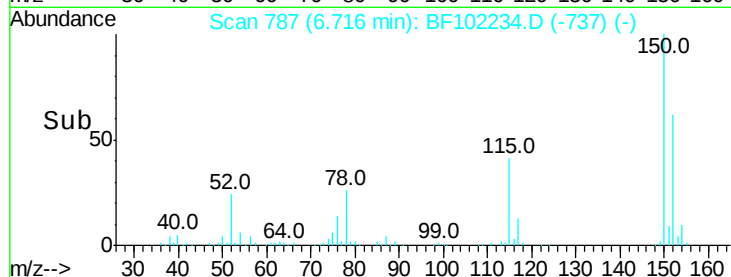
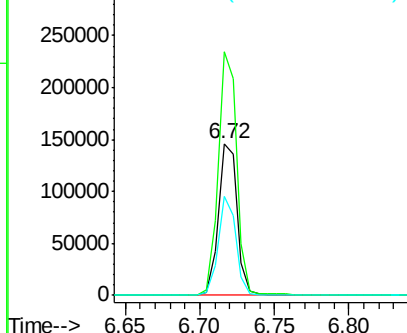
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 787  
Delta R.T. -0.01 min  
Lab File: BF102234.D  
Acq: 19 Jan 2018 23:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 130271  
Ion Ratio Lower Upper  
152 100  
150 160.6 124.6 186.8  
115 65.7 50.1 75.1



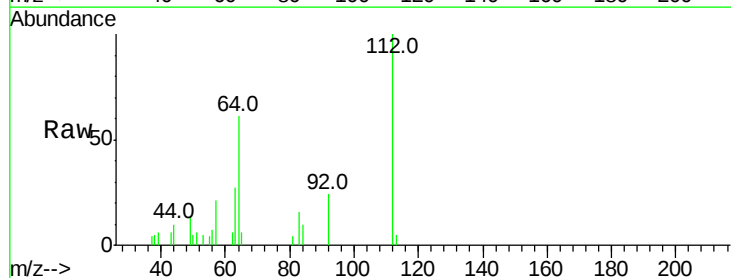
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



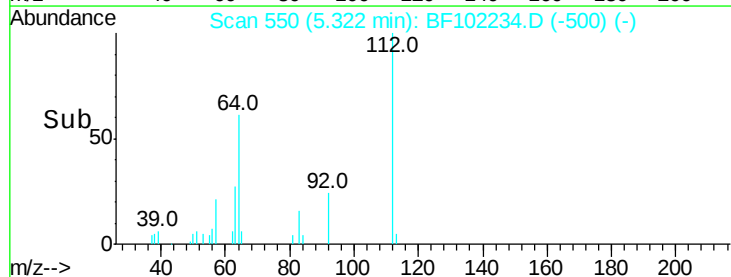
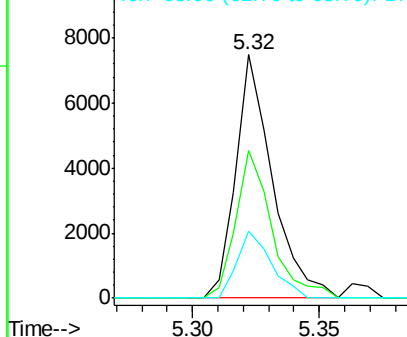
#5

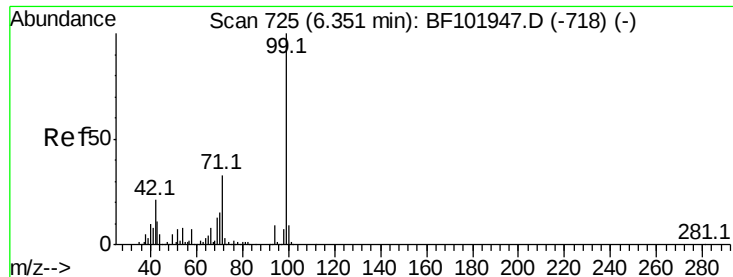
2-Fluorophenol  
Concen: 0.814 ng  
RT: 5.32 min Scan# 550  
Delta R.T. -0.01 min  
Lab File: BF102234.D  
Acq: 19 Jan 2018 23:18

Tgt Ion:112 Resp: 7511  
Ion Ratio Lower Upper  
112 100  
64 60.5 47.9 71.9  
63 27.3 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: 0.858 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.02 min

Lab File: BF102234.D

Acq: 19 Jan 2018 23:18

Instrument :

BNA\_F

ClientSampleId :

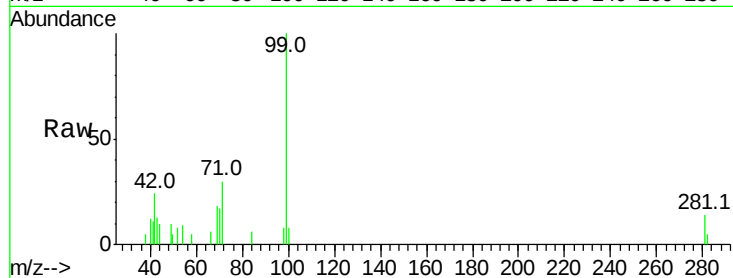
Tot Ion: 99 Resp: 9447

Ion Ratio Lower Upper

99 100

42 24.4 14.5 21.7#

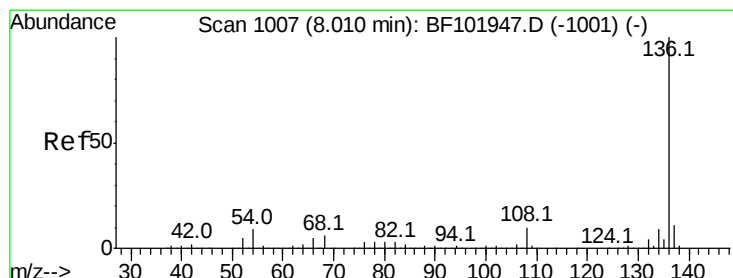
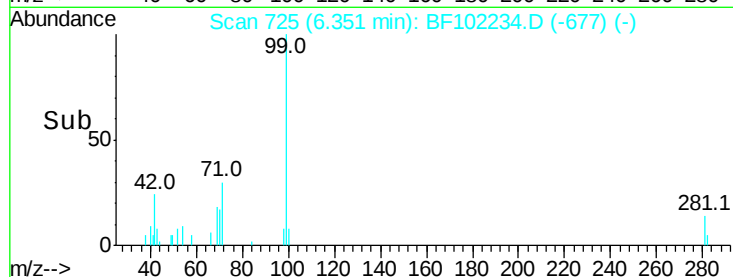
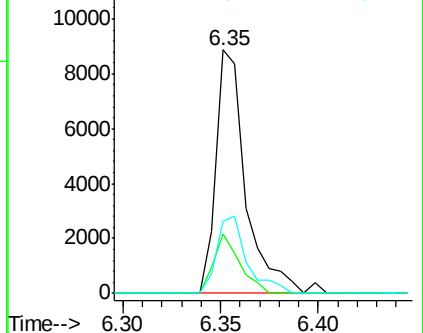
71 29.6 25.4 38.0



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: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF102234.D

Acq: 19 Jan 2018 23:18

Tgt Ion: 136 Resp: 510481

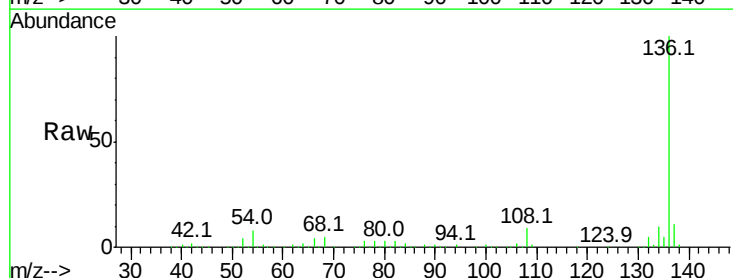
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.6 6.6 9.8

68 5.1 5.0 7.4

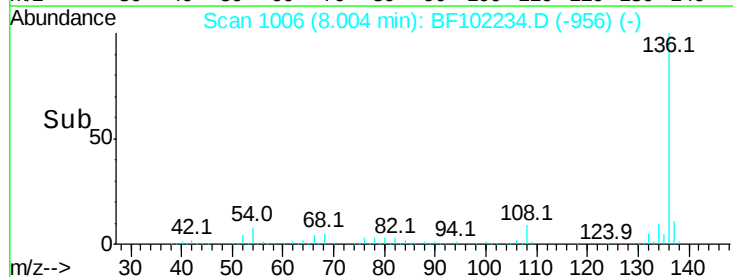
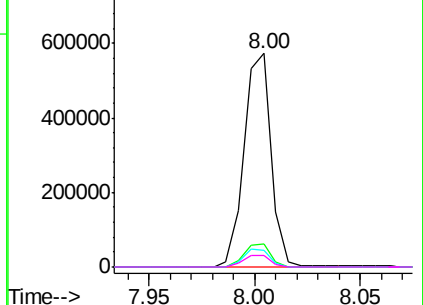


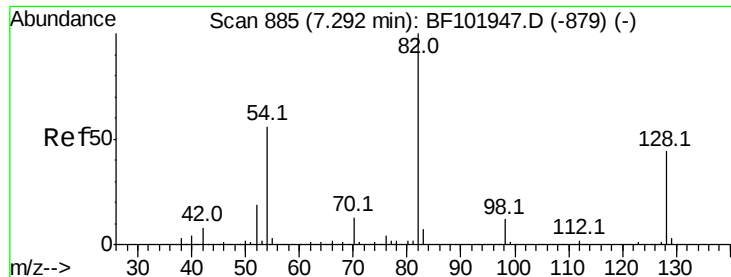
Abundance Ion 136.00 (135.70 to 136.70): E

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

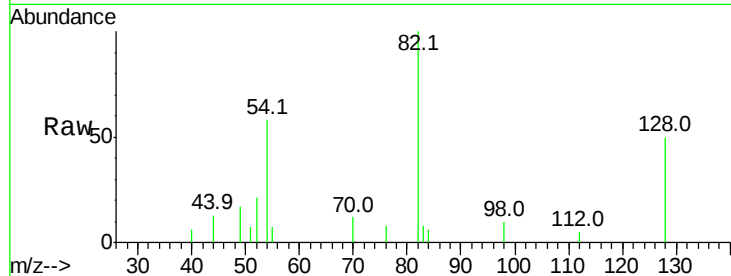




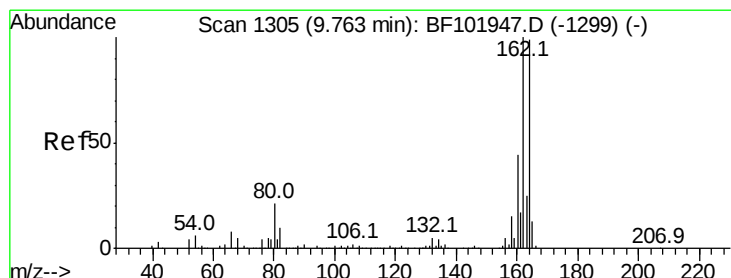
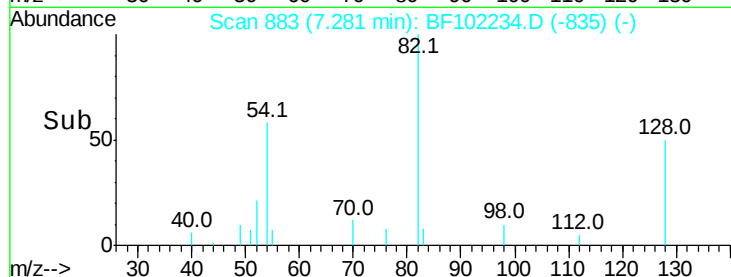
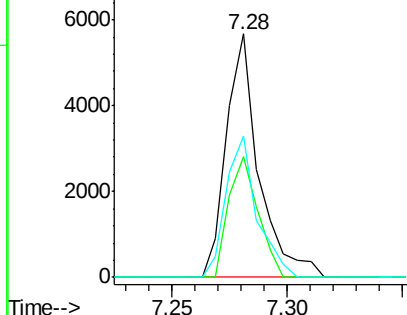
#23  
Nitrobenzene-d5  
Concen: 0.641 ng  
RT: 7.28 min Scan# 883  
Delta R.T. -0.02 min  
Lab File: BF102234.D  
Acq: 19 Jan 2018 23:18

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 5566  
Ion Ratio Lower Upper  
82 100  
128 49.5 36.1 54.1  
54 58.2 41.4 62.2

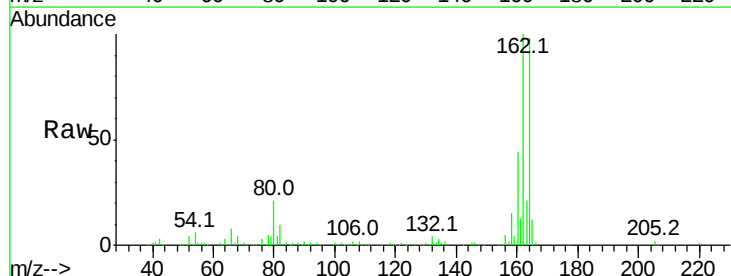


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

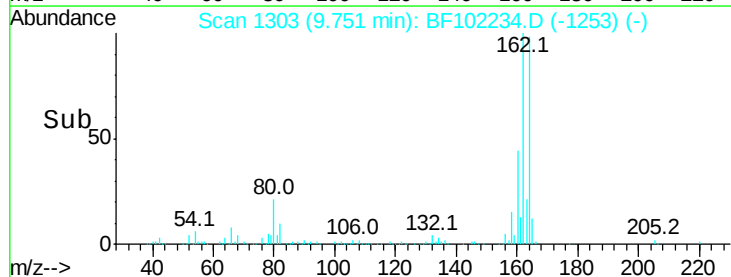
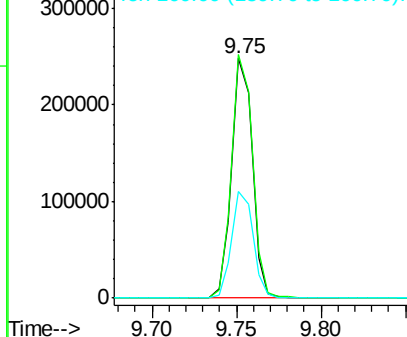


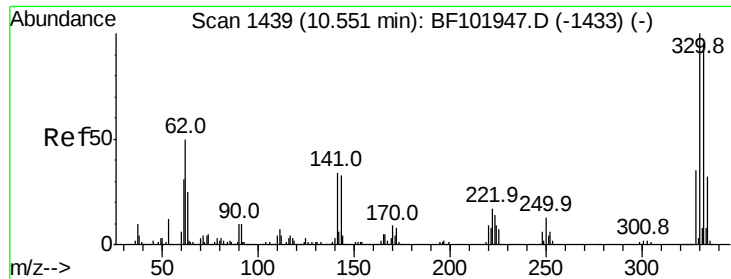
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.75 min Scan# 1303  
Delta R.T. -0.01 min  
Lab File: BF102234.D  
Acq: 19 Jan 2018 23:18

Tgt Ion:164 Resp: 211480  
Ion Ratio Lower Upper  
164 100  
162 101.6 86.1 129.1  
160 44.3 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1  
Ion 162.00 (161.70 to 162.70): BF1  
Ion 160.00 (159.70 to 160.70): BF1

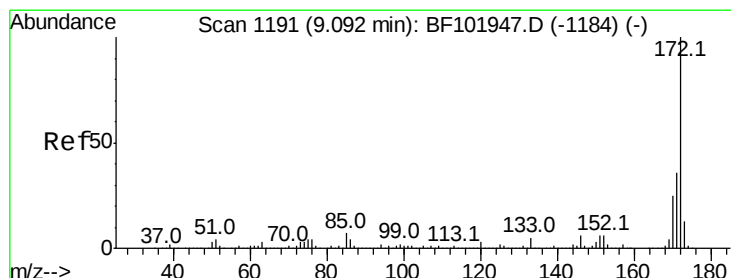
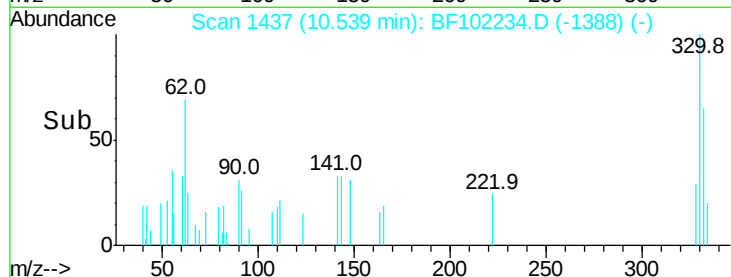
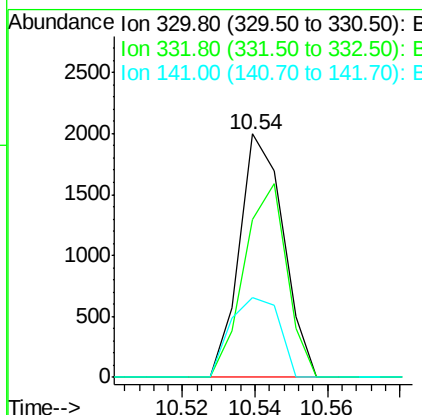
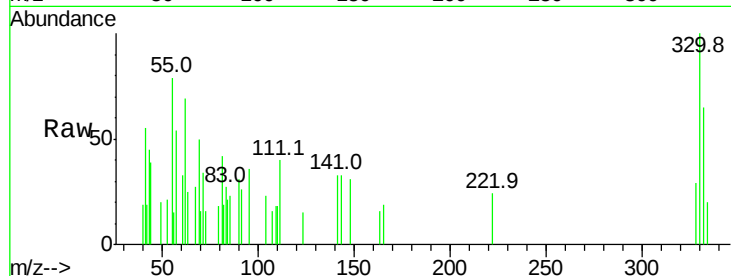




#41  
 2,4,6-Tribromophenol  
 Concen: 0.911 ng  
 RT: 10.54 min Scan# 1437  
 Delta R.T. -0.01 min  
 Lab File: BF102234.D  
 Acq: 19 Jan 2018 23:18

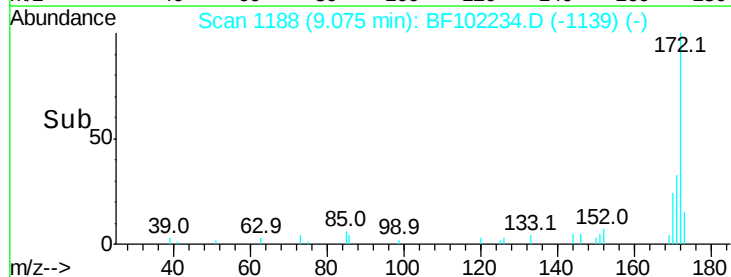
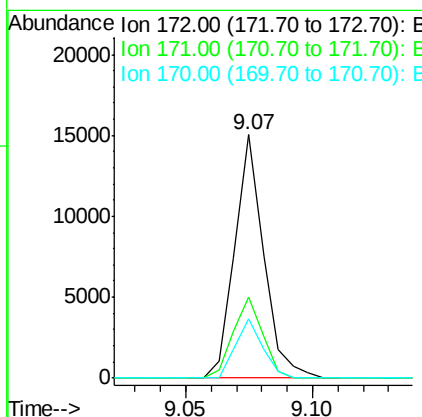
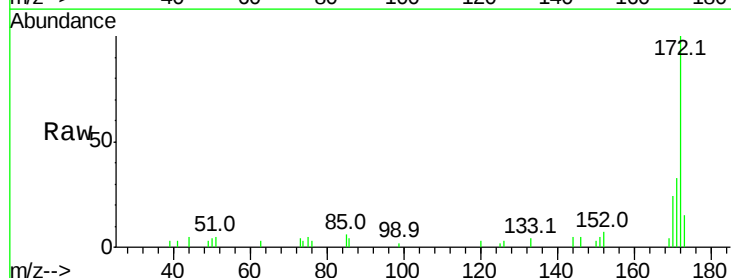
Instrument :  
 BNA\_F  
 ClientSampleId :

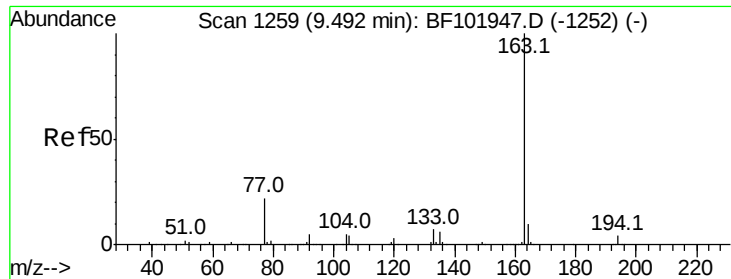
Tot Ion:330 Resp: 1681  
 Ion Ratio Lower Upper  
 330 100  
 332 77.0 77.0 115.6#  
 141 36.3 29.9 44.9



#44  
 2-Fluorobiphenyl  
 Concen: 0.882 ng  
 RT: 9.07 min Scan# 1188  
 Delta R.T. -0.01 min  
 Lab File: BF102234.D  
 Acq: 19 Jan 2018 23:18

Tgt Ion:172 Resp: 11941  
 Ion Ratio Lower Upper  
 172 100  
 171 33.1 29.7 44.5  
 170 24.2 19.6 29.4

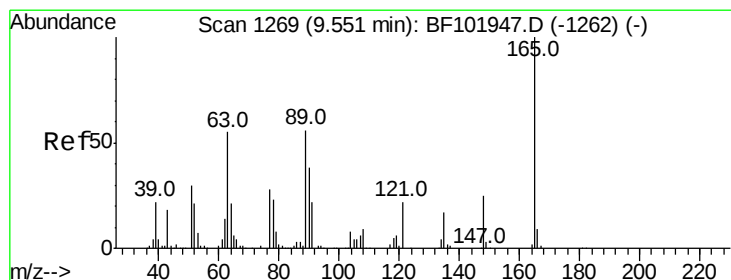
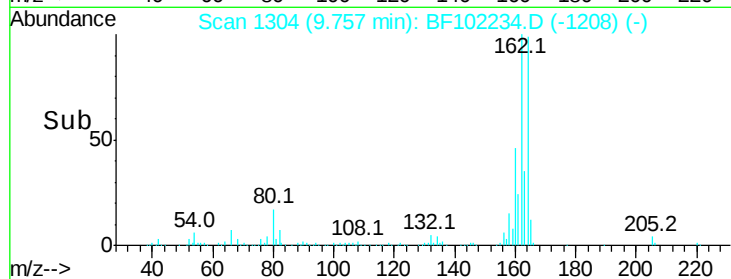
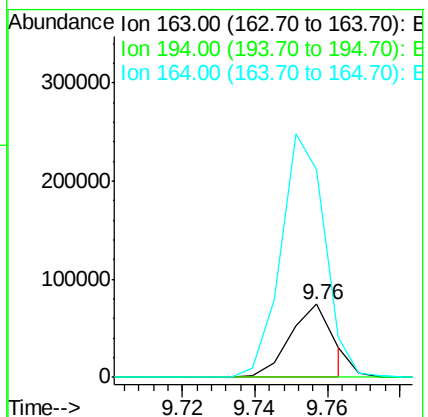
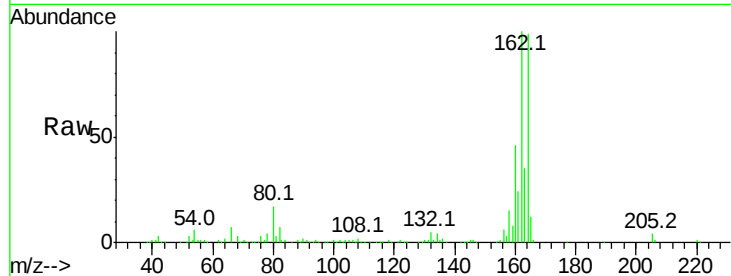




#49  
Dimethylphthalate  
Concen: 3.615 ng  
RT: 9.76 min Scan# 1304  
Delta R.T. 0.26 min  
Lab File: BF102234.D  
Acq: 19 Jan 2018 23:18

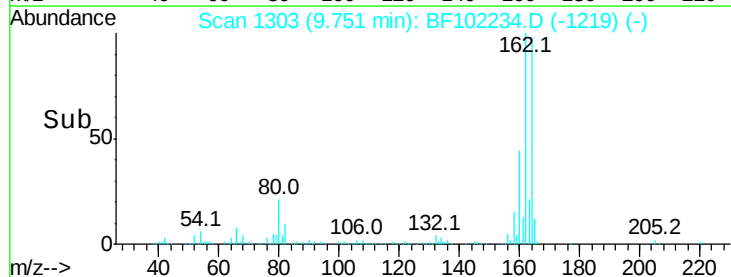
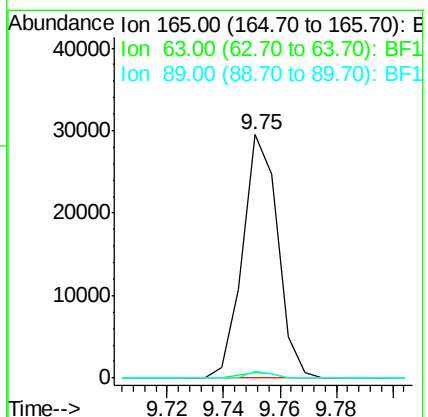
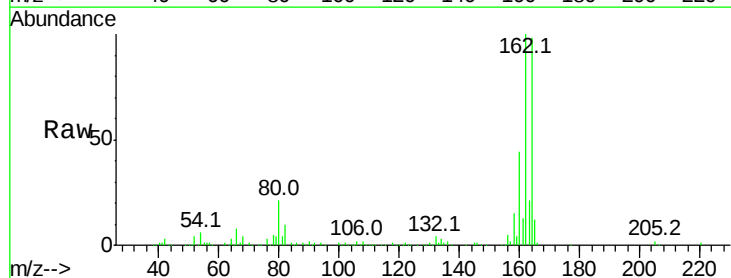
Instrument :  
BNA\_F  
ClientSampleId :

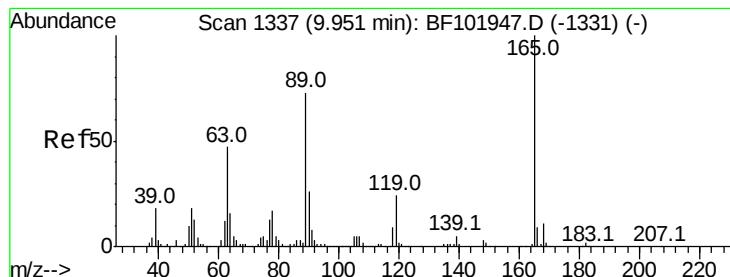
Tot Ion:163 Resp: 61326  
Ion Ratio Lower Upper  
163 100  
194 0.0 2.7 4.1#  
164 285.4 8.2 12.2#



#50  
2,6-Dinitrotoluene  
Concen: 7.503 ng  
RT: 9.75 min Scan# 1303  
Delta R.T. 0.19 min  
Lab File: BF102234.D  
Acq: 19 Jan 2018 23:18

Tgt Ion:165 Resp: 25426  
Ion Ratio Lower Upper  
165 100  
63 2.2 44.7 67.1#  
89 2.6 44.0 66.0#





#56

2,4-Dinitrotoluene

Concen: 5.986 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.21 min

Lab File: BF102234.D

Acq: 19 Jan 2018 23:18

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:165 Resp: 25426

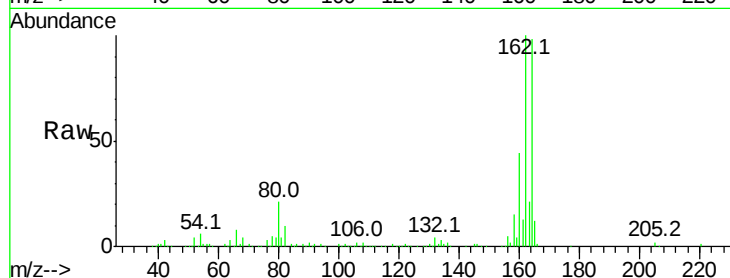
Ion Ratio Lower Upper

165 100

63 2.2 36.4 54.6#

89 2.6 57.8 86.6#

182 0.0 1.6 2.4#

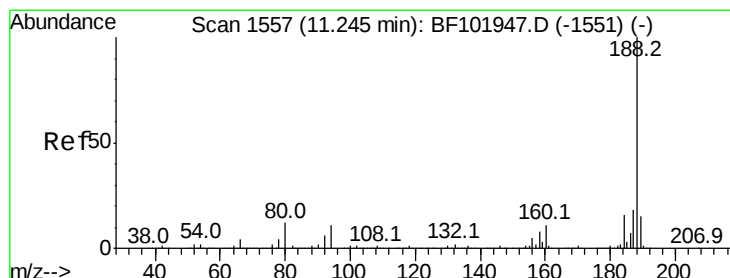
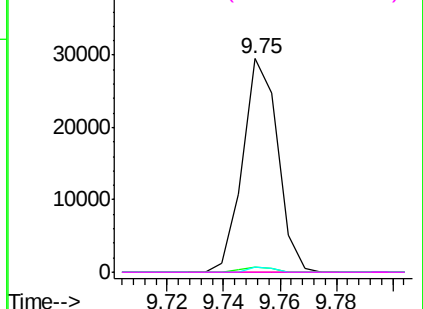
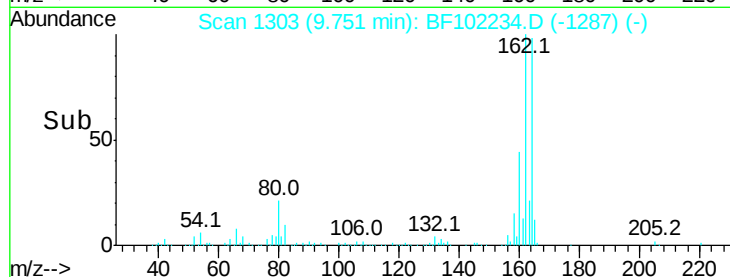


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF102234.D

Acq: 19 Jan 2018 23:18

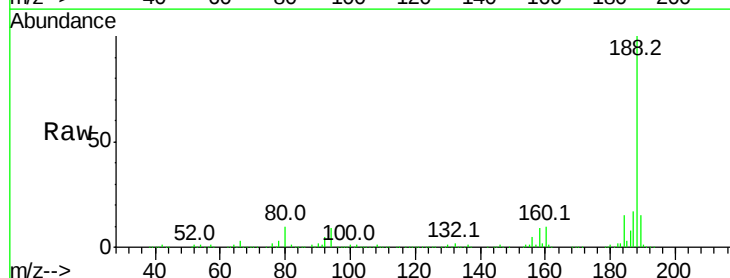
Tgt Ion:188 Resp: 302912

Ion Ratio Lower Upper

188 100

94 9.4 8.5 12.7

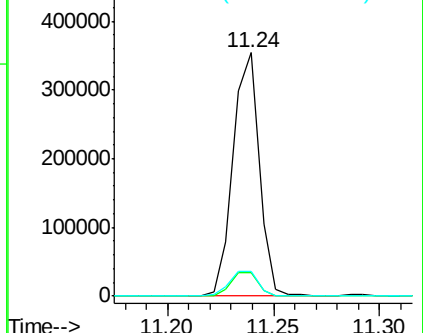
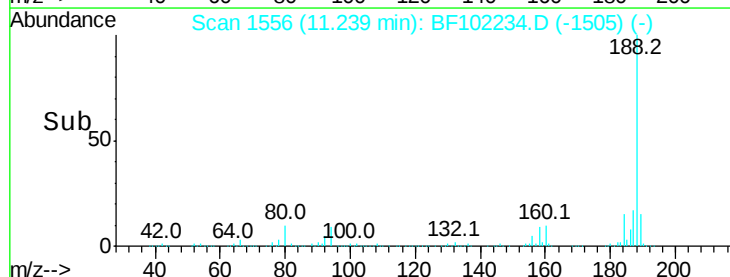
80 10.2 9.2 13.8

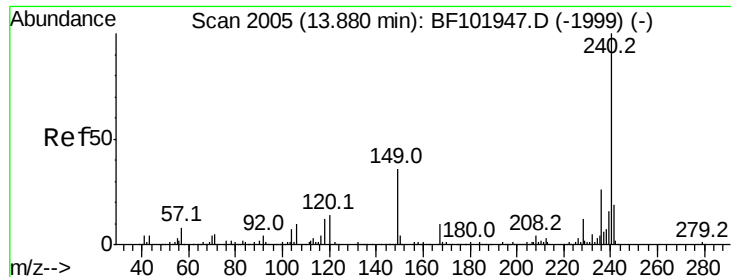


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF102234.D

Acq: 19 Jan 2018 23:18

Instrument :

BNA\_F

ClientSampleId :

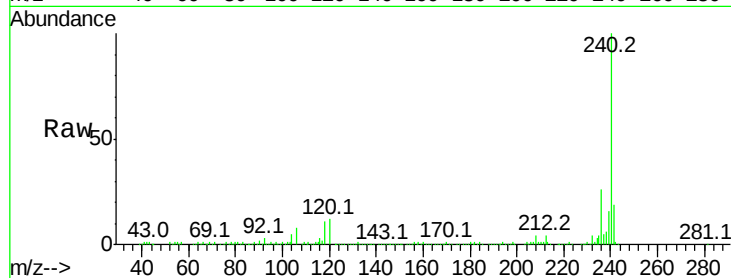
Tot Ion:240 Resp: 249248

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

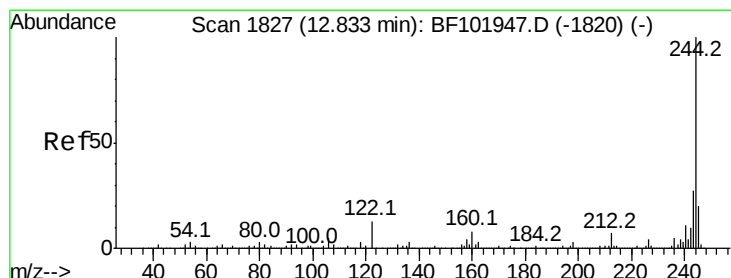
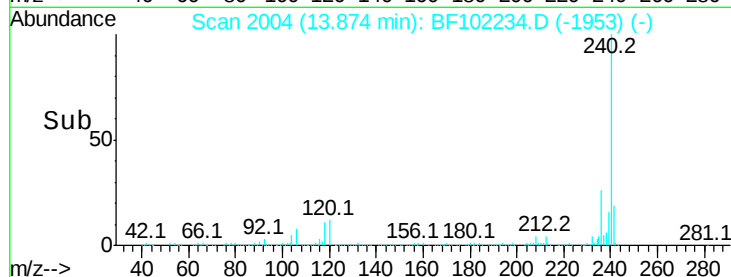
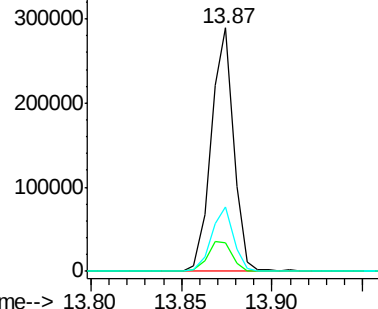
236 26.4 20.7 31.1



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: 0.673 ng

RT: 12.82 min Scan# 1824

Delta R.T. -0.01 min

Lab File: BF102234.D

Acq: 19 Jan 2018 23:18

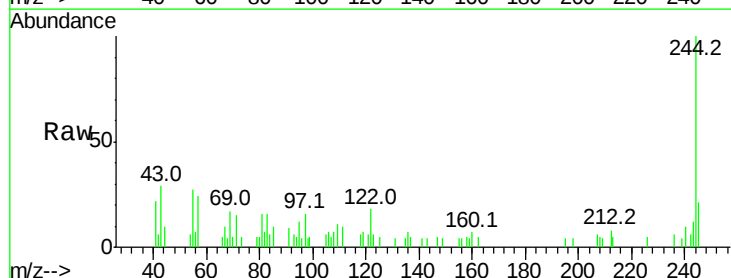
Tgt Ion:244 Resp: 8076

Ion Ratio Lower Upper

244 100

212 8.1 5.4 8.0#

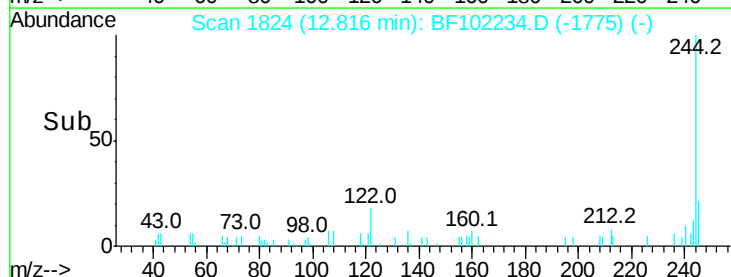
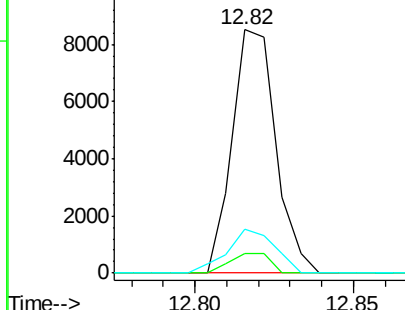
122 18.2 11.0 16.4#

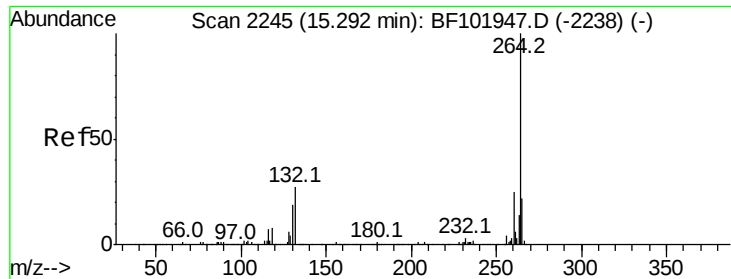


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.30 min Scan# 2246  
 Delta R.T. 0.01 min  
 Lab File: BF102234.D  
 Acq: 19 Jan 2018 23:18

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:264 Resp: 273820  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 19.2 28.8  
 265 20.7 17.5 26.3

