

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF013019\  
 Data File : BF112337.D  
 Acq On : 30 Jan 2019 22:32  
 Operator : JU/SJ  
 Sample : PB116708BL  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB116708BL

Quant Time: Jan 30 23:46:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

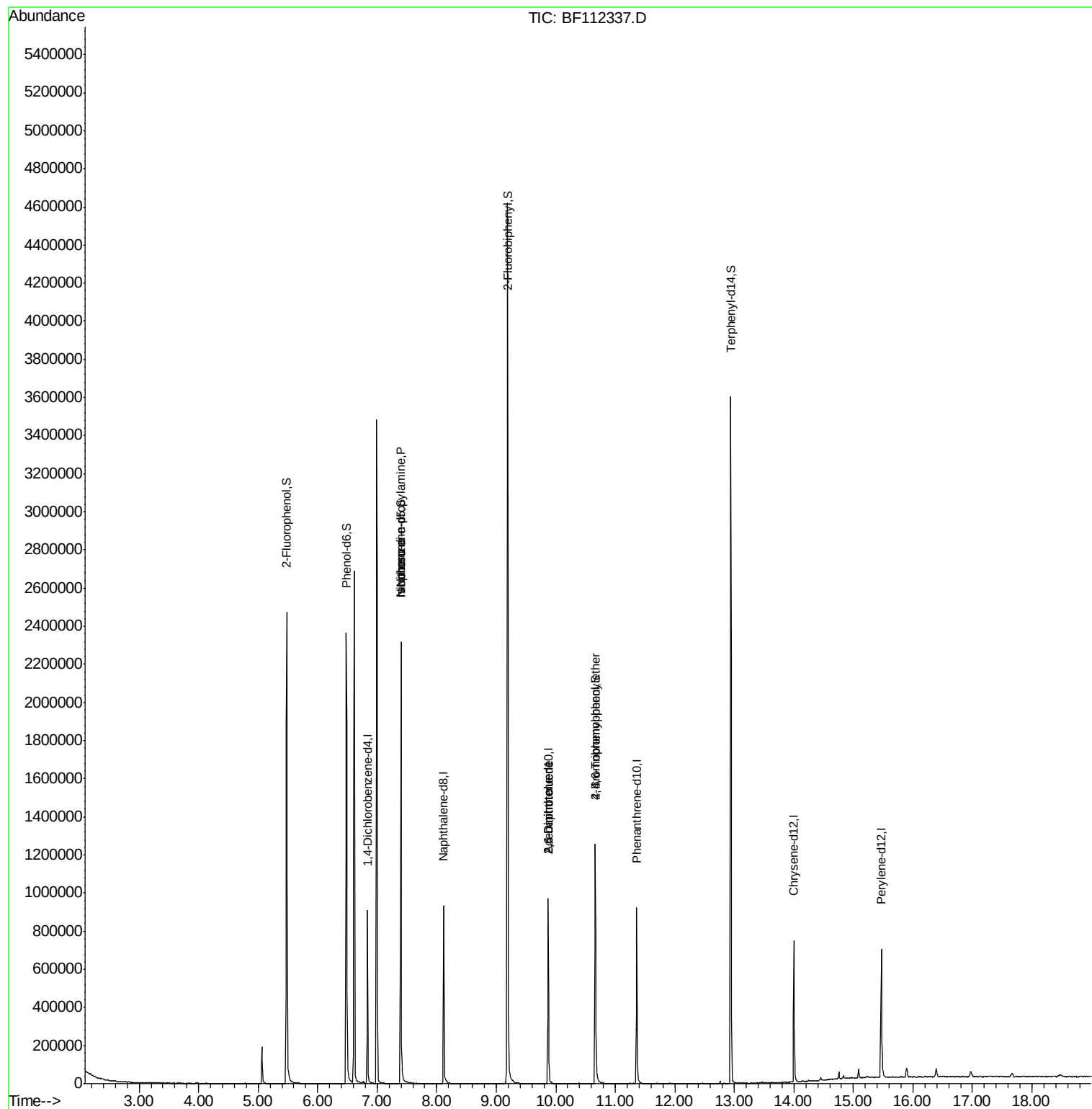
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.83  | 152  | 141064   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.12  | 136  | 521260   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.87  | 164  | 233571   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.36 | 188  | 405350   | 20.00  | ng    | -0.01    |
| 76) Chrysene-d12               | 14.00 | 240  | 297774   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 15.47 | 264  | 323341   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.48  | 112  | 697085   | 104.96 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.48  | 99   | 855730   | 92.73  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.40  | 82   | 798238   | 88.24  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.66 | 330  | 177661   | 65.35  | ng    | -0.02    |
| 45) 2-Fluorobiphenyl           | 9.19  | 172  | 1601553  | 96.98  | ng    | -0.01    |
| 79) Terphenyl-d14              | 12.94 | 244  | 1197524  | 75.74  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70   | 105973   | 16.654 | ng    | # 77     |
| 25) Isophorone                 | 7.40  | 82   | 798230   | 56.245 | ng    | # 63     |
| 51) 2,6-Dinitrotoluene         | 9.87  | 165  | 29414    | 7.237  | ng    | # 34     |
| 57) 2,4-Dinitrotoluene         | 9.87  | 165  | 29414    | 5.685  | ng    | # 32     |
| 67) 4-Bromophenyl-phenylether  | 10.66 | 248  | 10035    | 2.105  | ng    | # 1      |

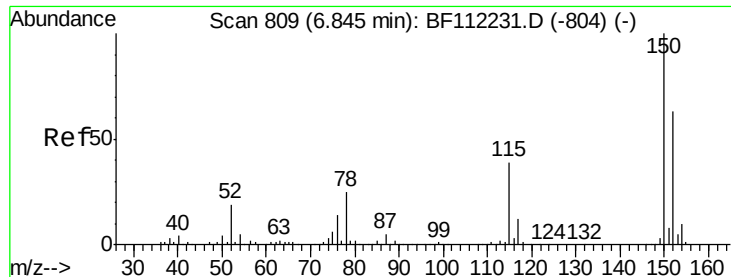
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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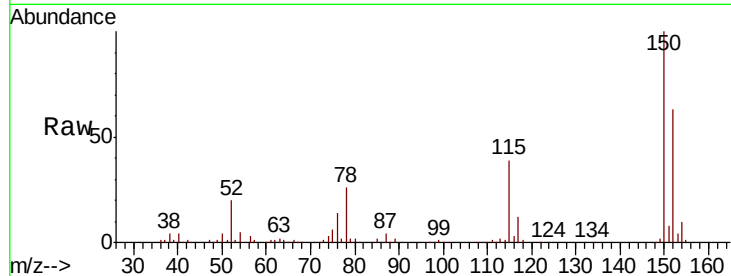


#1

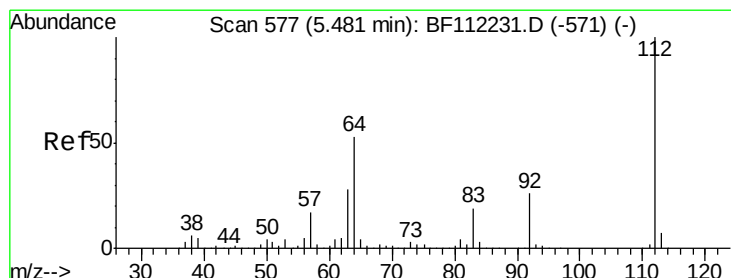
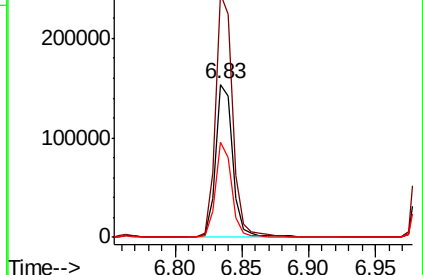
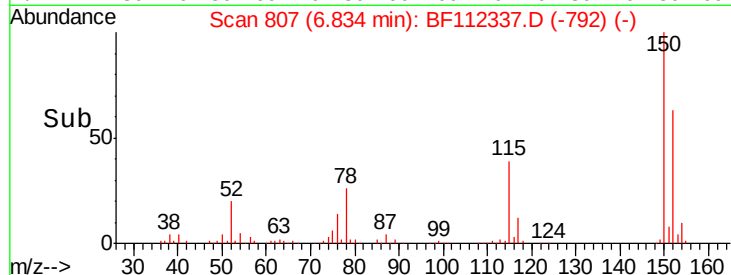
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.83 min Scan# 807  
Delta R.T. -0.01 min  
Lab File: BF112337.D  
Acq: 30 Jan 2019 22:32

Instrument :  
BNA\_F  
ClientSampleId :  
PB116708BL

Tgt Ion:152 Resp: 141064  
Ion Ratio Lower Upper  
152 100  
150 159.4 127.4 191.0  
115 61.9 45.5 68.3



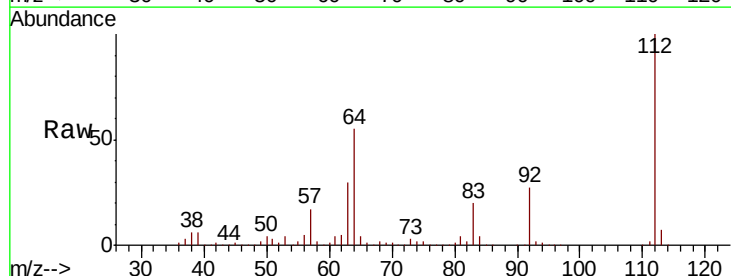
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



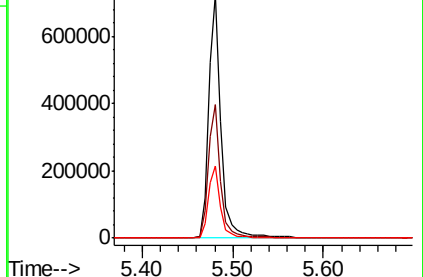
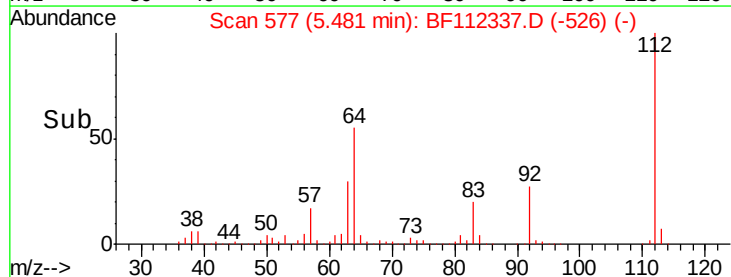
#5

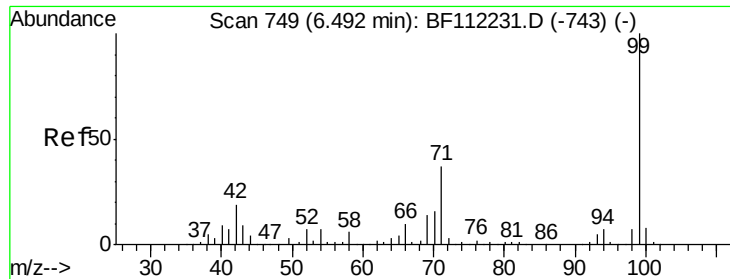
2-Fluorophenol  
Concen: 104.963 ng  
RT: 5.48 min Scan# 577  
Delta R.T. 0.00 min  
Lab File: BF112337.D  
Acq: 30 Jan 2019 22:32

Tgt Ion:112 Resp: 697085  
Ion Ratio Lower Upper  
112 100  
64 54.9 45.7 68.5  
63 29.5 23.6 35.4



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: 92.729 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112337.D

Acq: 30 Jan 2019 22:32

Instrument :

BNA\_F

ClientSampleId :

PB116708BL

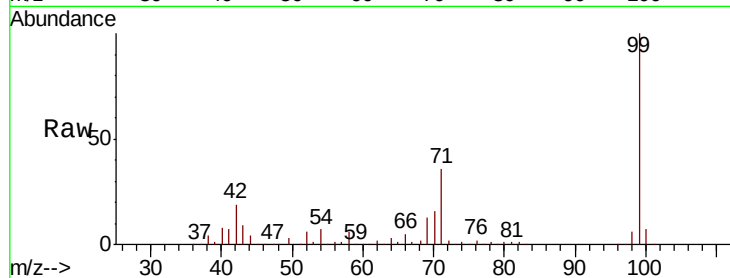
Tgt Ion: 99 Resp: 855730

Ion Ratio Lower Upper

99 100

42 18.9 15.1 22.7

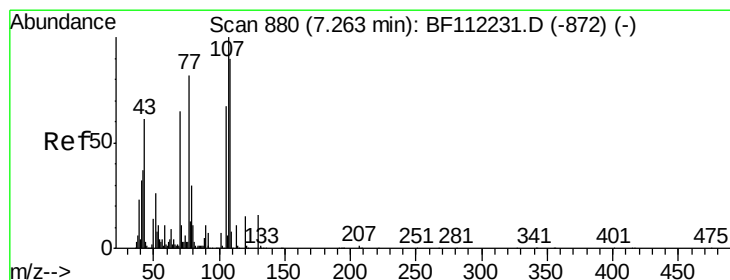
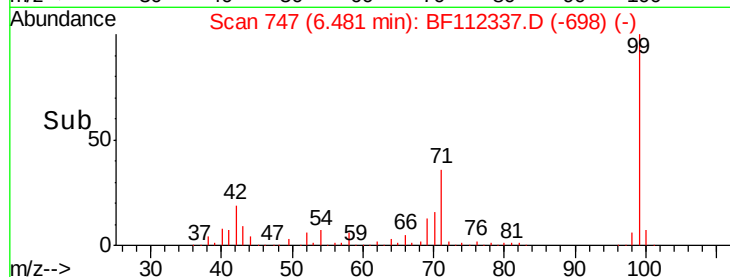
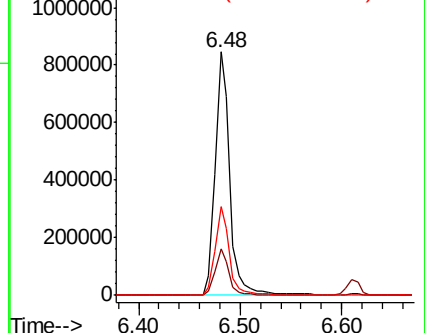
71 36.4 26.9 40.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.654 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112337.D

Acq: 30 Jan 2019 22:32

Tgt Ion: 70 Resp: 105973

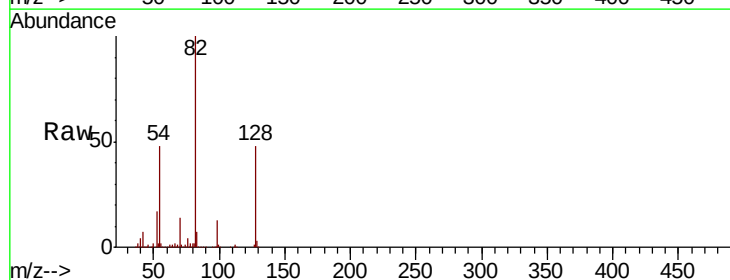
Ion Ratio Lower Upper

70 100

42 48.0 47.6 71.4

101 0.0 7.9 11.9#

130 2.3 18.4 27.6#

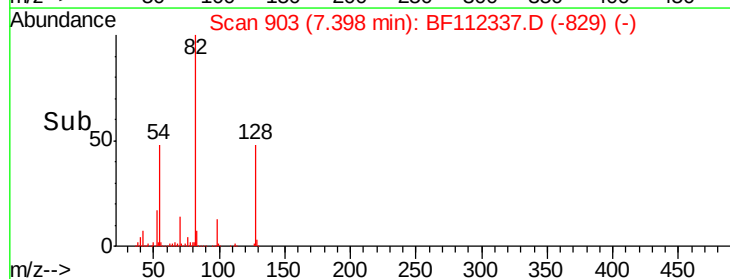
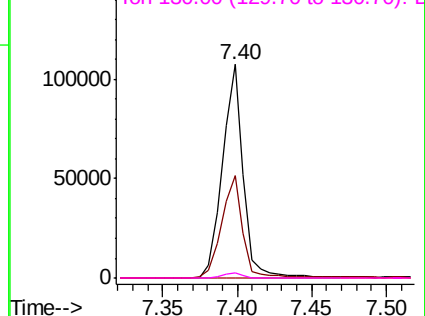


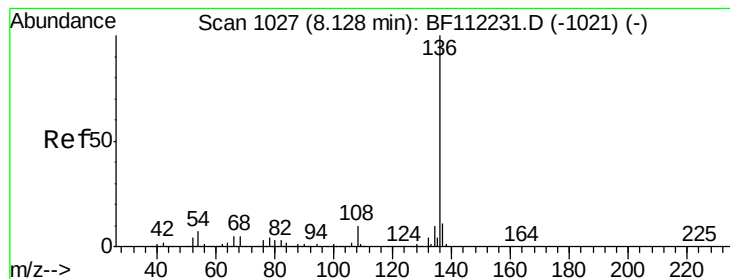
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF112337.D

Acq: 30 Jan 2019 22:32

Instrument :

BNA\_F

ClientSampleId :

PB116708BL

Tgt Ion:136 Resp: 521260

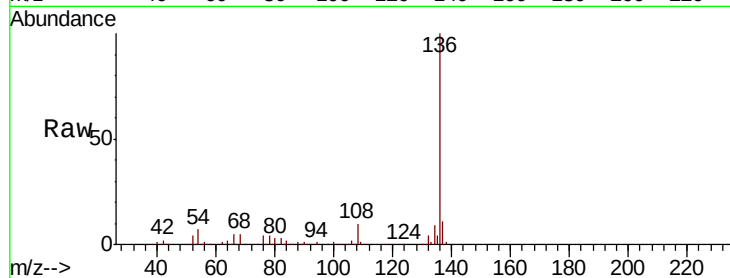
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 6.6 5.9 8.9

68 5.2 5.1 7.7

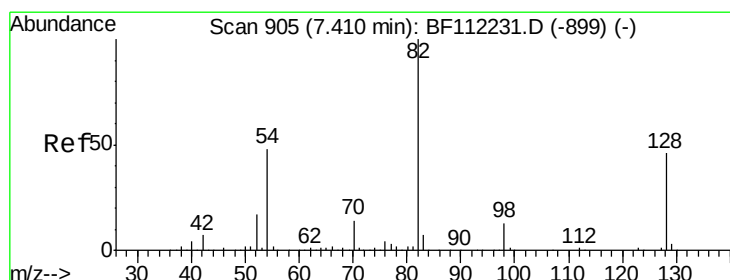
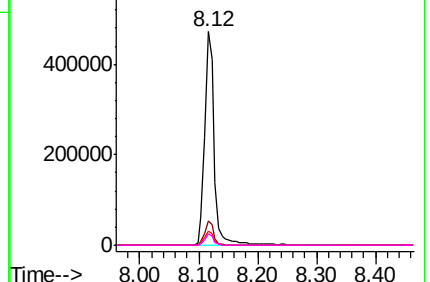
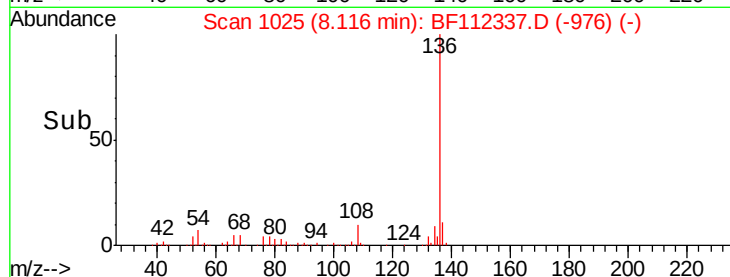


Abundance Ion 136.00 (135.70 to 136.70): E

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: 88.237 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112337.D

Acq: 30 Jan 2019 22:32

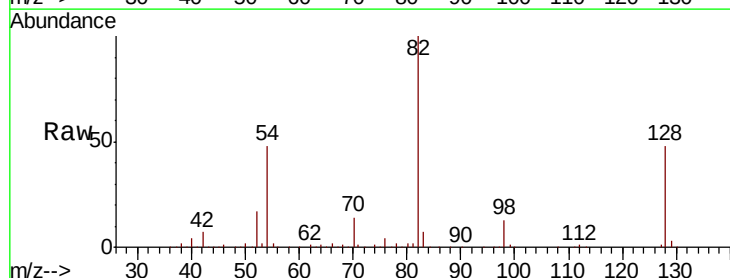
Tgt Ion: 82 Resp: 798238

Ion Ratio Lower Upper

82 100

128 47.9 37.8 56.8

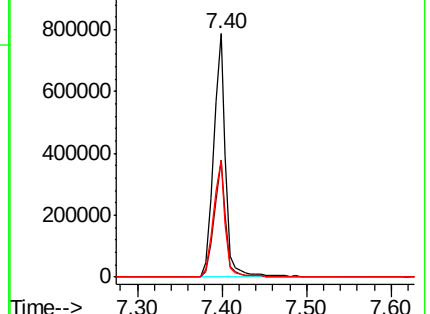
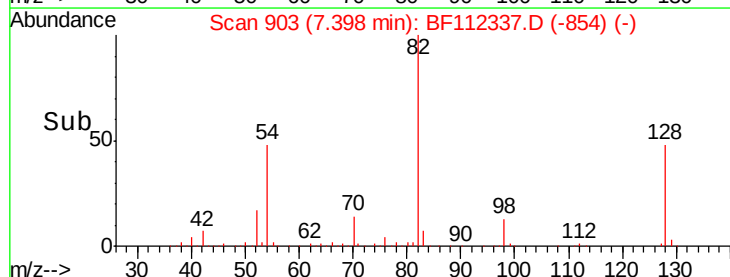
54 47.9 39.7 59.5

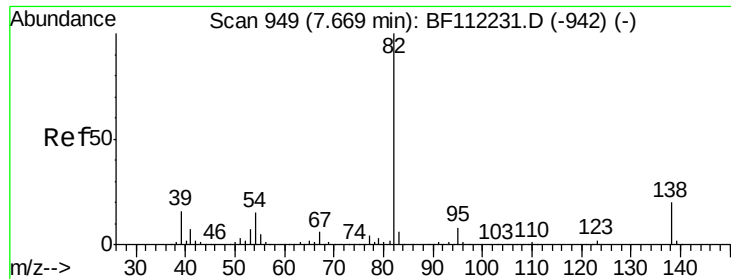


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 56.245 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112337.D

Acq: 30 Jan 2019 22:32

Instrument :

BNA\_F

ClientSampleId :

PB116708BL

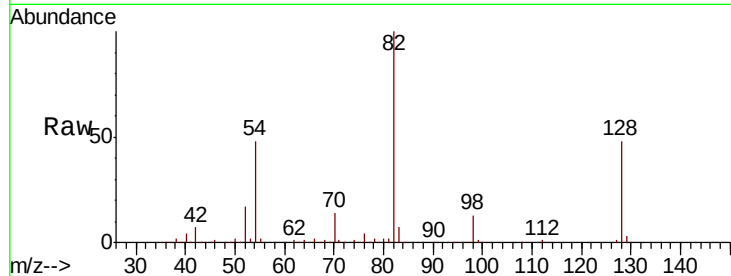
Tgt Ion: 82 Resp: 798230

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

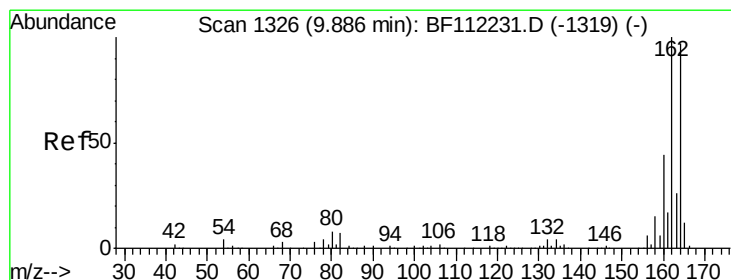
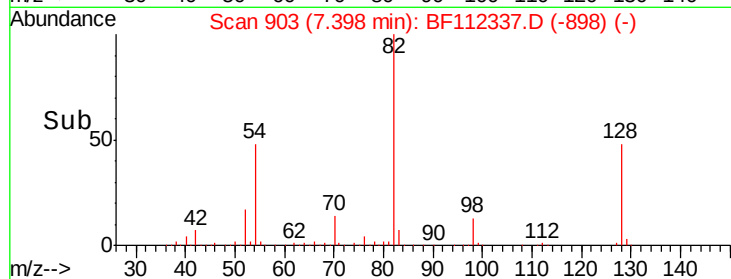
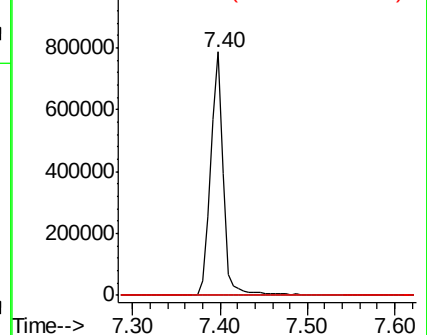
138 0.0 15.4 23.0#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF112337.D

Acq: 30 Jan 2019 22:32

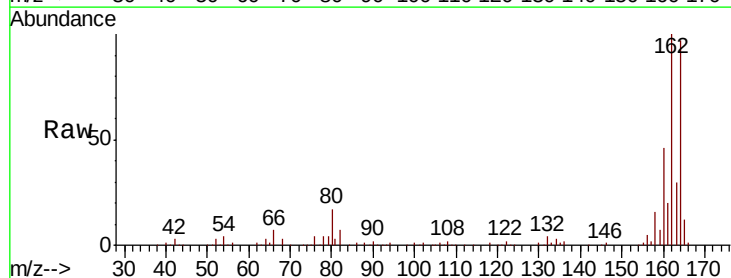
Tgt Ion: 164 Resp: 233571

Ion Ratio Lower Upper

164 100

162 103.0 82.2 123.4

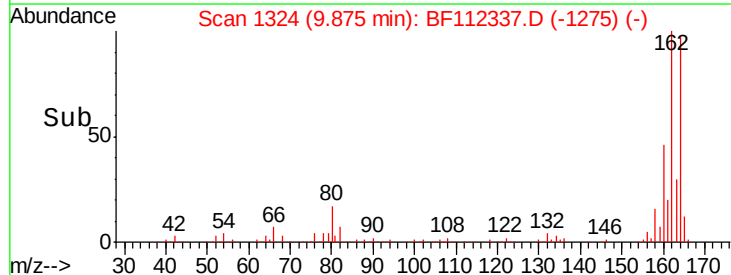
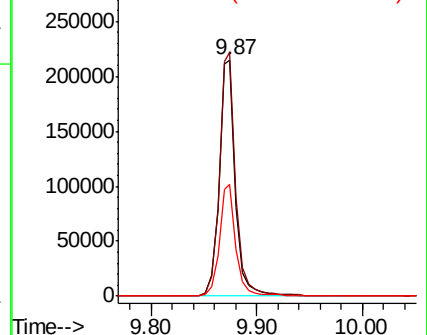
160 47.5 36.2 54.4

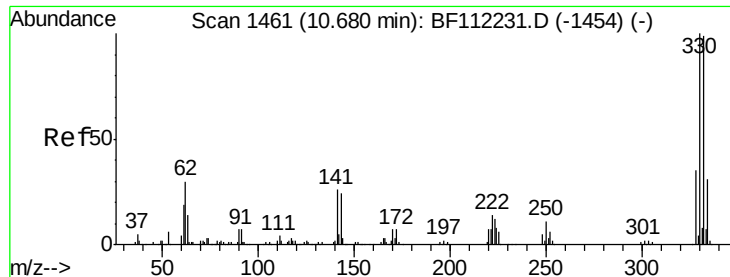


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 65.348 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112337.D

Acq: 30 Jan 2019 22:32

Instrument :

BNA\_F

ClientSampleId :

PB116708BL

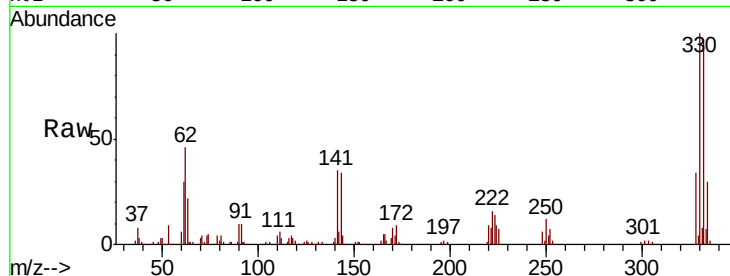
Tgt Ion:330 Resp: 177661

Ion Ratio Lower Upper

330 100

332 95.5 76.6 114.8

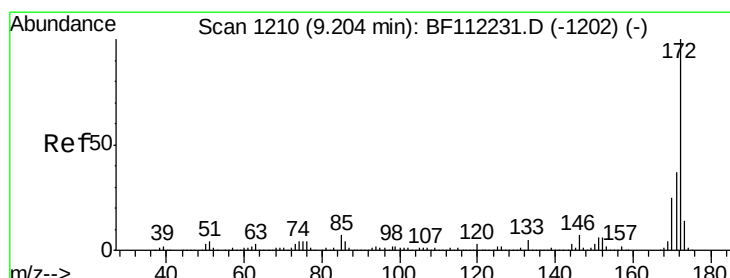
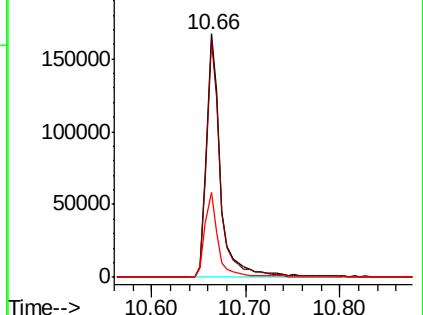
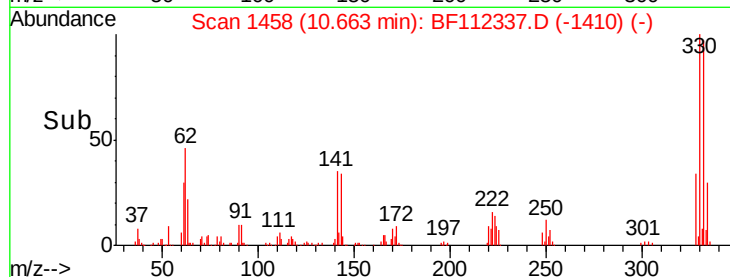
141 33.3 24.3 36.5



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



#45

2-Fluorobiphenyl

Concen: 96.978 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112337.D

Acq: 30 Jan 2019 22:32

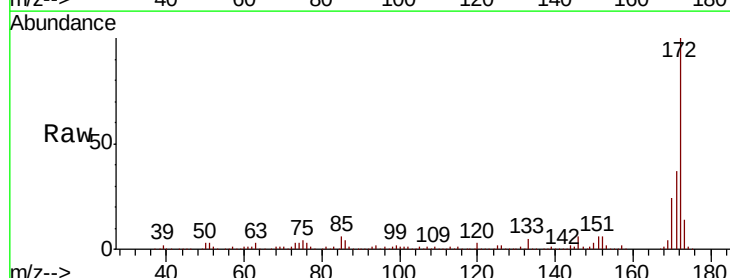
Tgt Ion:172 Resp: 1601553

Ion Ratio Lower Upper

172 100

171 37.1 30.5 45.7

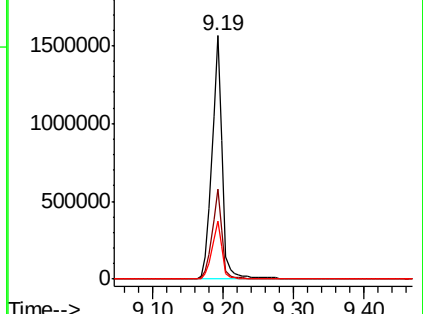
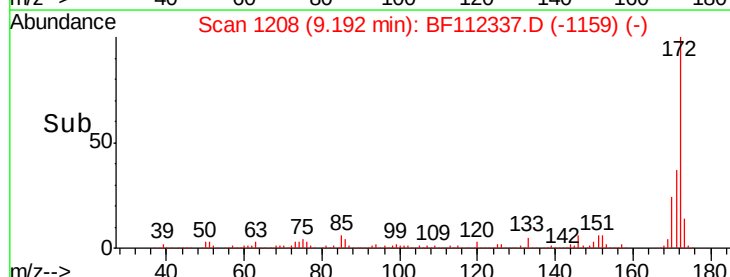
170 24.1 20.2 30.4

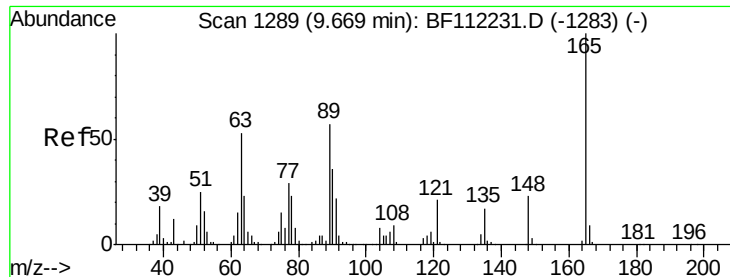


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.237 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.21 min

Lab File: BF112337.D

Acq: 30 Jan 2019 22:32

Instrument :

BNA\_F

ClientSampleId :

PB116708BL

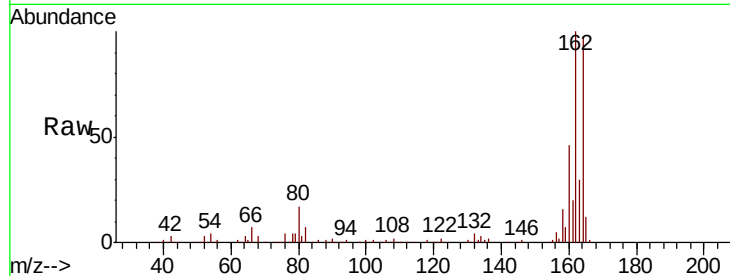
Tgt Ion:165 Resp: 29414

Ion Ratio Lower Upper

165 100

63 1.6 33.8 50.8#

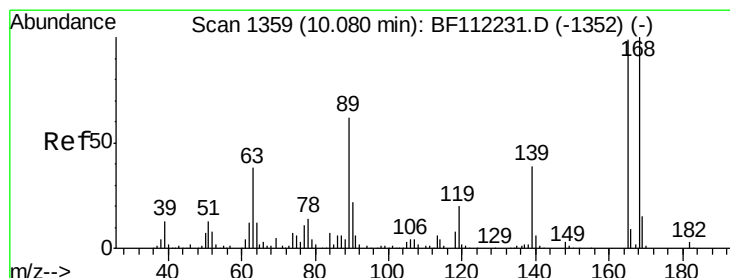
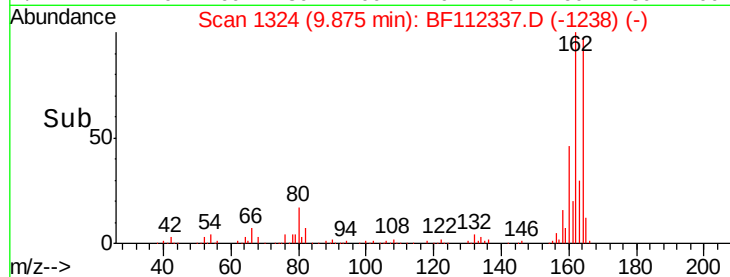
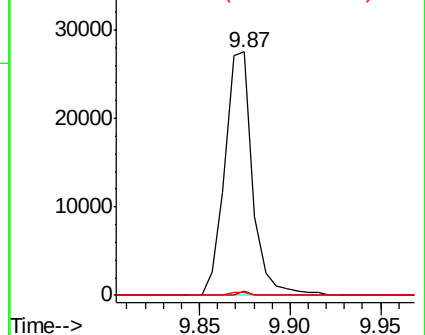
89 1.3 36.9 55.3#



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



#57

2,4-Dinitrotoluene

Concen: 5.685 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF112337.D

Acq: 30 Jan 2019 22:32

Tgt Ion:165 Resp: 29414

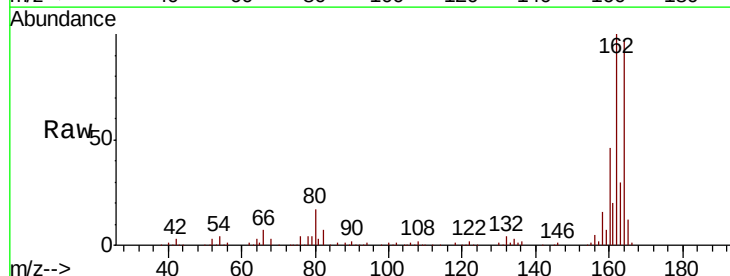
Ion Ratio Lower Upper

165 100

63 1.6 27.9 41.9#

89 1.3 47.9 71.9#

182 0.0 2.2 3.4#

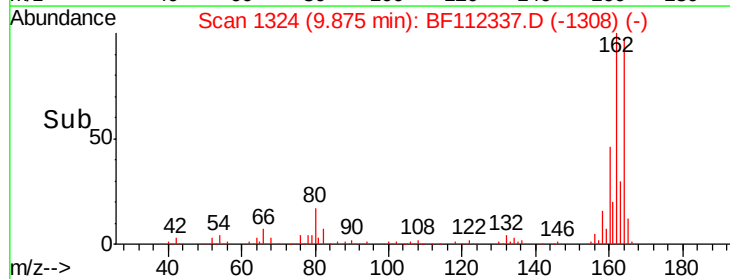
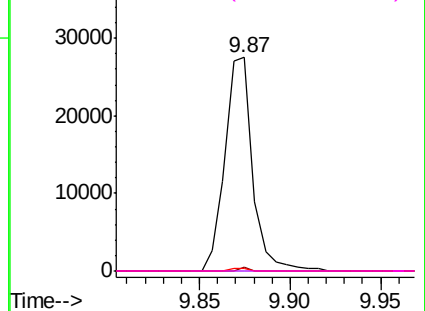


Abundance Ion 165.00 (164.70 to 165.70): E

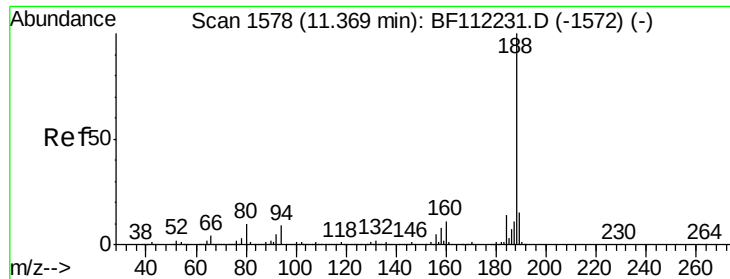
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



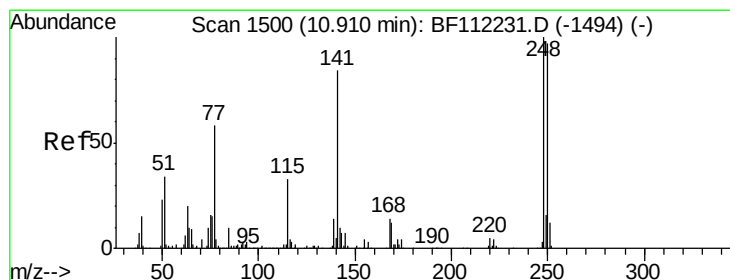
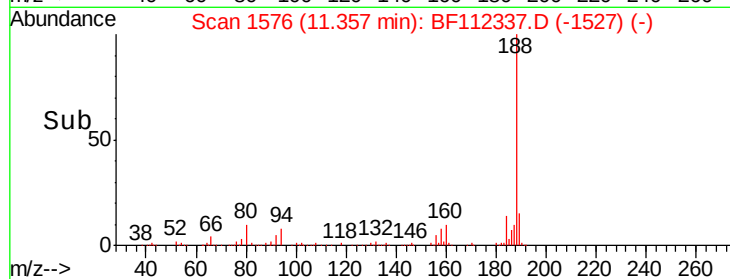
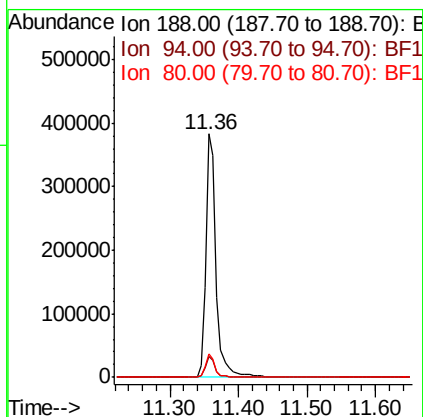
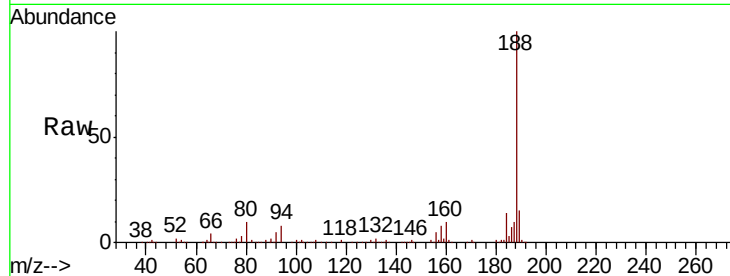




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.36 min Scan# 1576  
Delta R.T. -0.01 min  
Lab File: BF112337.D  
Acq: 30 Jan 2019 22:32

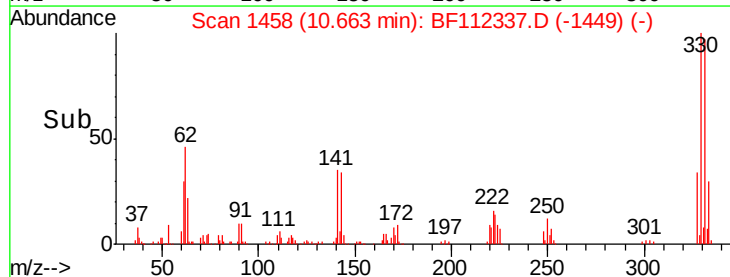
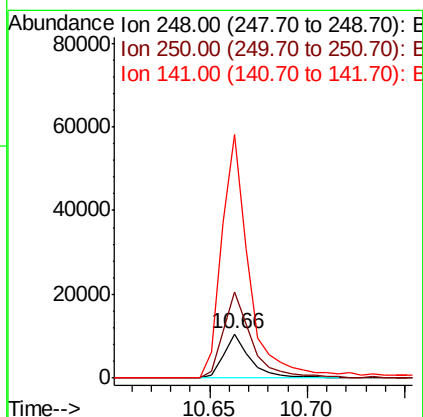
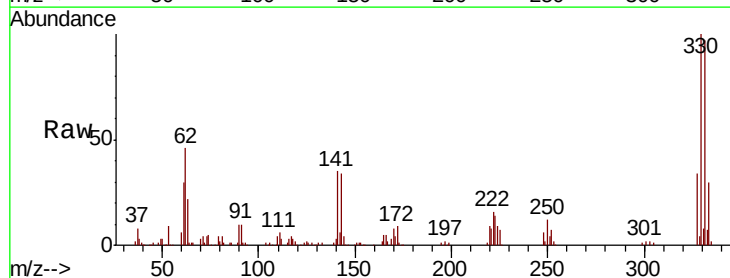
Instrument :  
BNA\_F  
ClientSampleId :  
PB116708BL

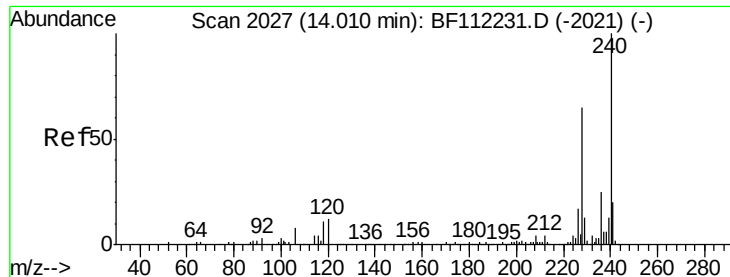
Tgt Ion:188 Resp: 405350  
Ion Ratio Lower Upper  
188 100  
94 8.5 8.2 12.2  
80 9.6 8.9 13.3



#67  
4-Bromophenyl-phenylether  
Concen: 2.105 ng  
RT: 10.66 min Scan# 1458  
Delta R.T. -0.25 min  
Lab File: BF112337.D  
Acq: 30 Jan 2019 22:32

Tgt Ion:248 Resp: 10035  
Ion Ratio Lower Upper  
248 100  
250 194.4 79.7 119.5#  
141 550.2 60.3 90.5#

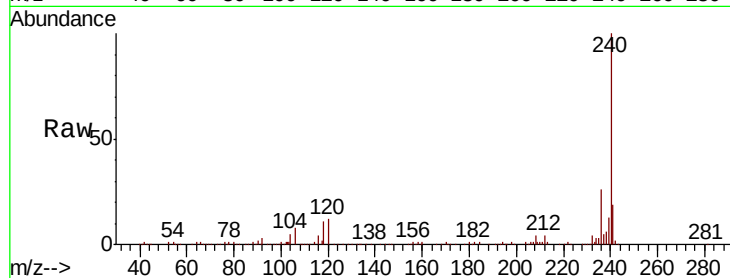




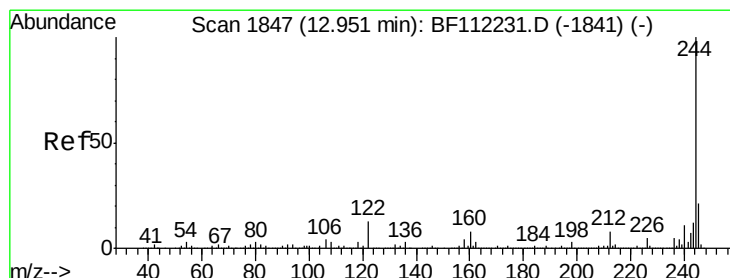
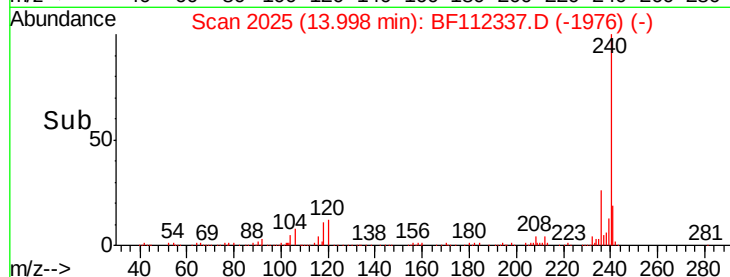
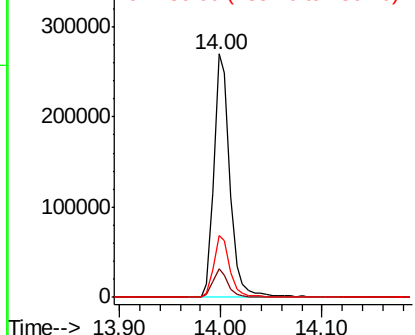
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.00 min Scan# 2025  
Delta R.T. -0.01 min  
Lab File: BF112337.D  
Acq: 30 Jan 2019 22:32

Instrument :  
BNA\_F  
ClientSampleId :  
PB116708BL

Tgt Ion:240 Resp: 297774  
Ion Ratio Lower Upper  
240 100  
120 11.7 9.0 13.6  
236 25.6 20.7 31.1

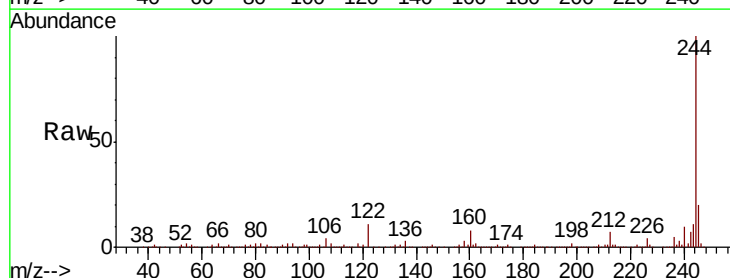


Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E

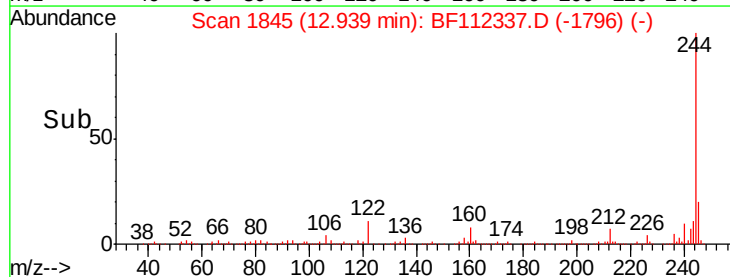
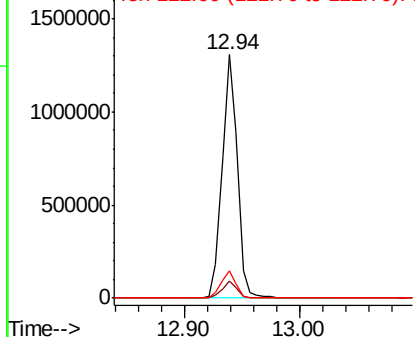


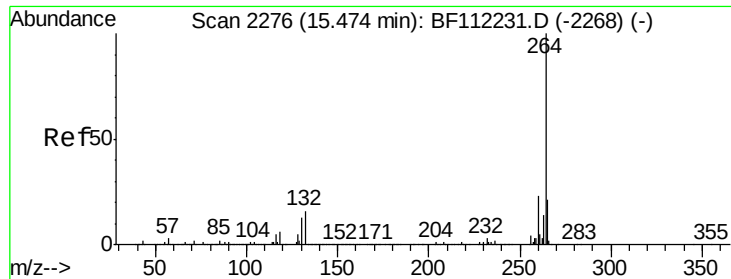
#79  
Terphenyl-d14  
Concen: 75.744 ng  
RT: 12.94 min Scan# 1845  
Delta R.T. -0.01 min  
Lab File: BF112337.D  
Acq: 30 Jan 2019 22:32

Tgt Ion:244 Resp: 1197524  
Ion Ratio Lower Upper  
244 100  
212 7.0 5.9 8.9  
122 11.4 9.8 14.6



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





#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.47 min Scan# 2275  
Delta R.T. -0.01 min  
Lab File: BF112337.D  
Acq: 30 Jan 2019 22:32

Instrument :  
BNA\_F  
ClientSampleId :  
PB116708BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.2  | 18.2  | 27.2  |
| 265     | 21.6  | 17.0  | 25.4  |

