

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\  
 Data File : BF119041.D  
 Acq On : 25 Feb 2020 00:56  
 Operator : CG/JU  
 Sample : L1635-09  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 25 03:32:52 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 20 17:40:17 2020  
 Response via : Initial Calibration

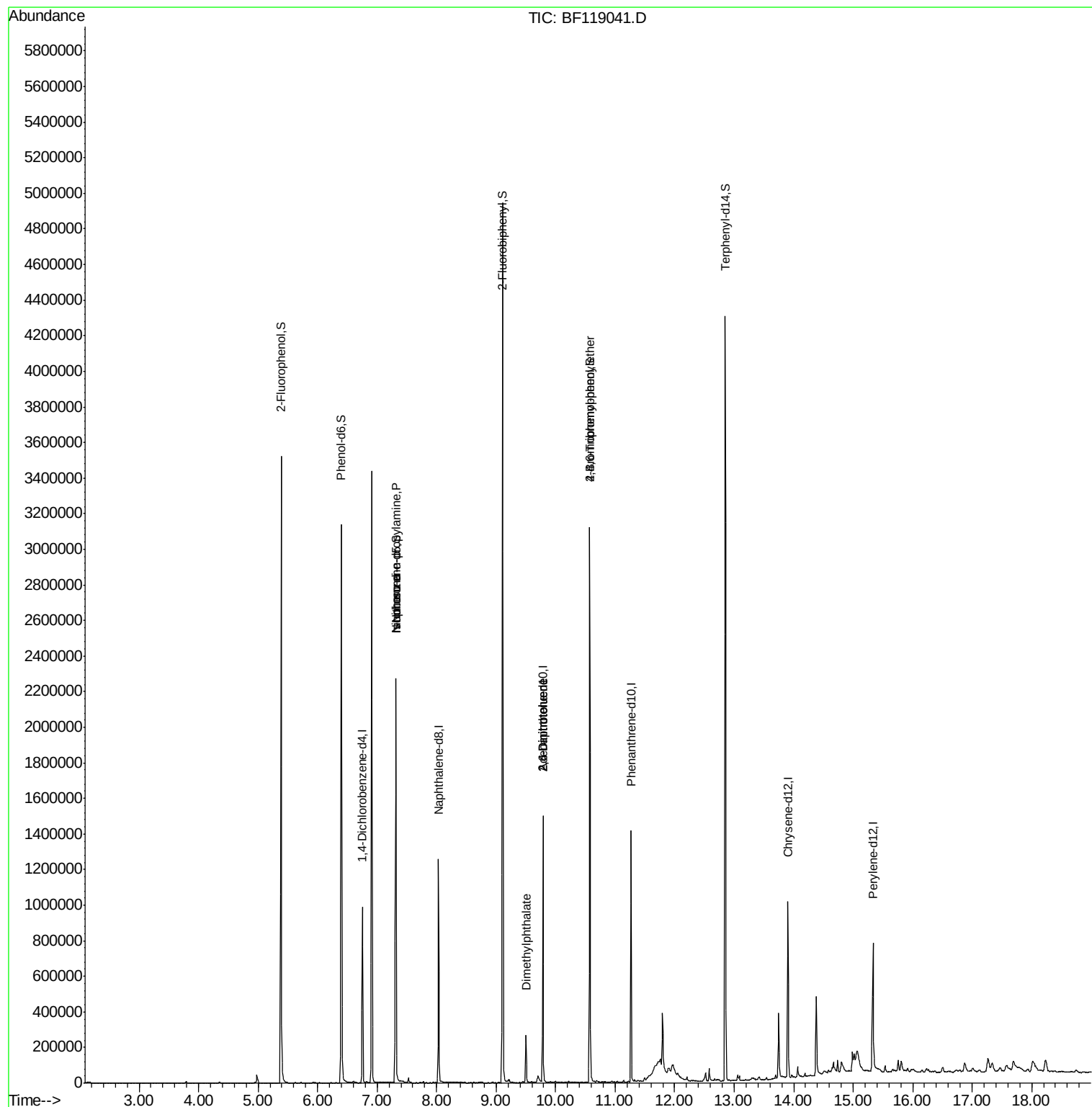
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.75  | 152  | 153622   | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.03  | 136  | 567083   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.79  | 164  | 295084   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.27 | 188  | 508192   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.90 | 240  | 337059   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.33 | 264  | 348525   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.39  | 112  | 1048875  | 114.10 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.40  | 99   | 1254253  | 112.19 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.32  | 82   | 830092   | 77.29  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.57 | 330  | 420869   | 109.03 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.11  | 172  | 1588242  | 79.29  | ng    | -0.01    |
| 79) Terphenyl-d14              | 12.85 | 244  | 1544149  | 78.87  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.32  | 70   | 116130   | 17.827 | ng    | # 78     |
| 25) Isophorone                 | 7.32  | 82   | 830087   | 44.503 | ng    | # 63     |
| 50) Dimethylphthalate          | 9.50  | 163  | 116888   | 5.180  | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 9.79  | 165  | 39112    | 7.802  | ng    | # 30     |
| 57) 2,4-Dinitrotoluene         | 9.79  | 165  | 39112    | 6.019  | ng    | # 29     |
| 67) 4-Bromophenyl-phenylether  | 10.57 | 248  | 27730    | 4.174  | ng    | # 1      |

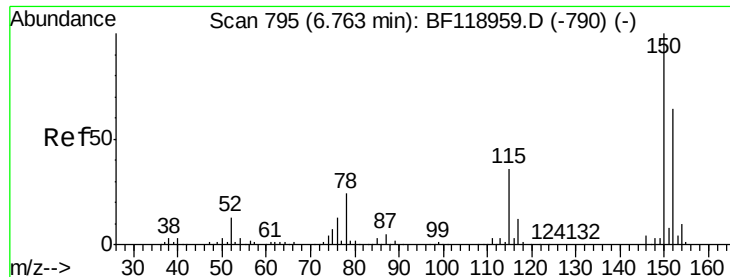
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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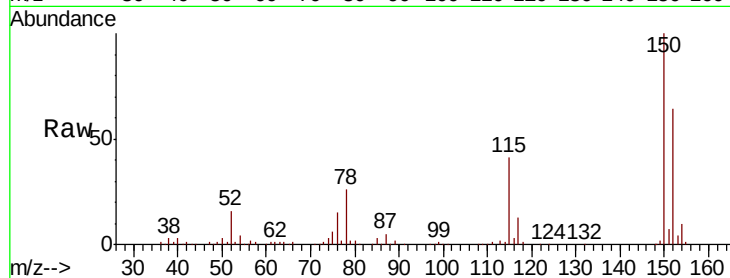


#1

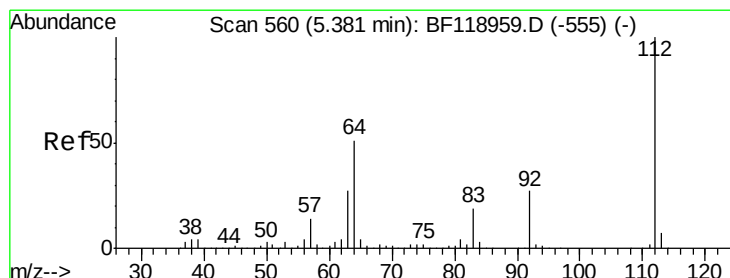
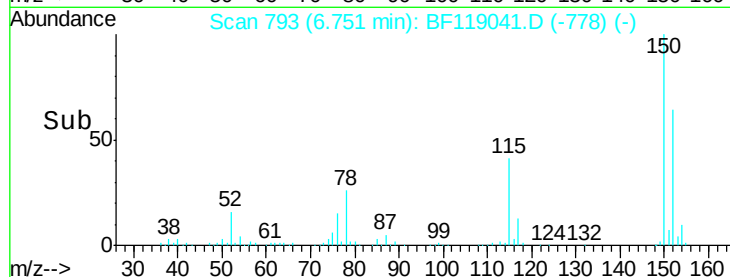
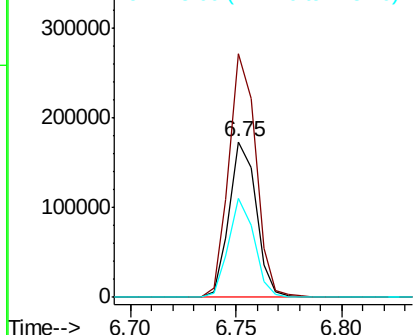
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.75 min Scan# 793  
Delta R.T. -0.01 min  
Lab File: BF119041.D  
Acq: 25 Feb 2020 00:56

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 153622  
Ion Ratio Lower Upper  
152 100  
150 156.7 124.3 186.5  
115 63.4 44.6 67.0



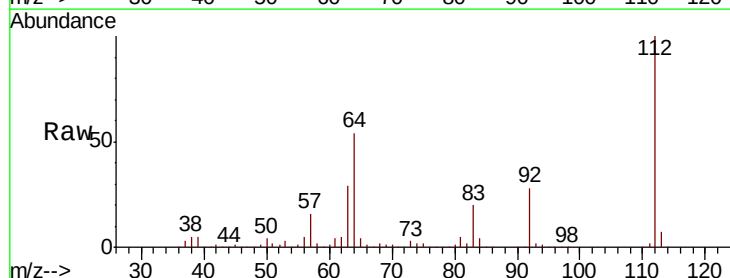
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



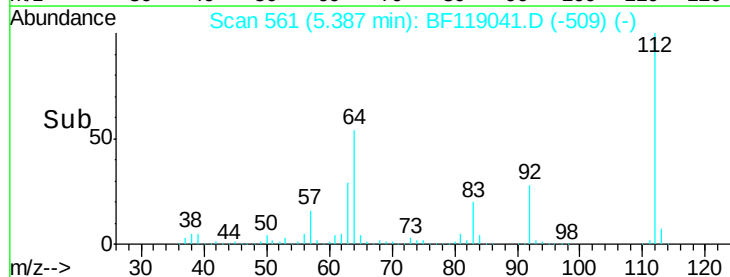
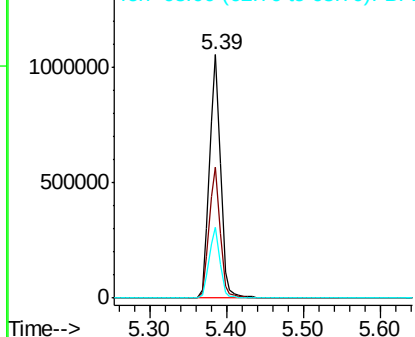
#5

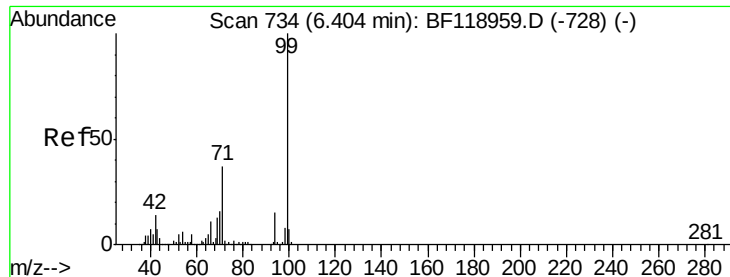
2-Fluorophenol  
Concen: 114.102 ng  
RT: 5.39 min Scan# 561  
Delta R.T. 0.01 min  
Lab File: BF119041.D  
Acq: 25 Feb 2020 00:56

Tgt Ion:112 Resp: 1048875  
Ion Ratio Lower Upper  
112 100  
64 54.0 40.4 60.6  
63 28.9 21.3 31.9



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: 112.190 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119041.D

Acq: 25 Feb 2020 00:56

Instrument :

BNA\_F

ClientSampleId :

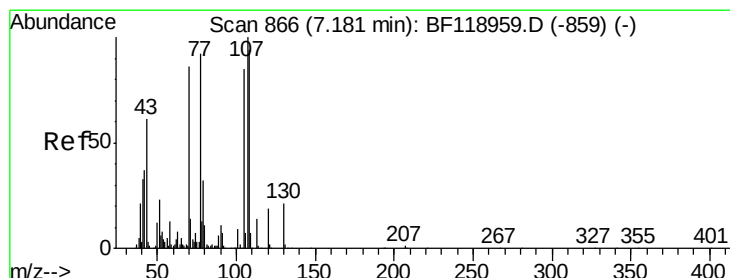
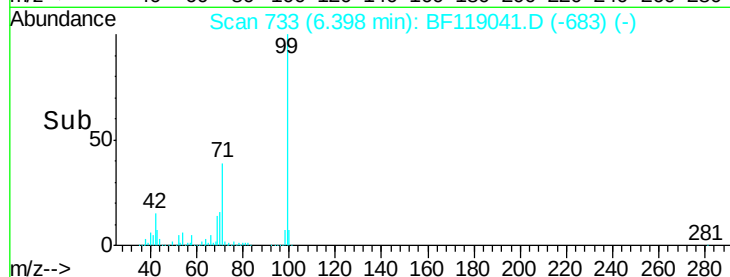
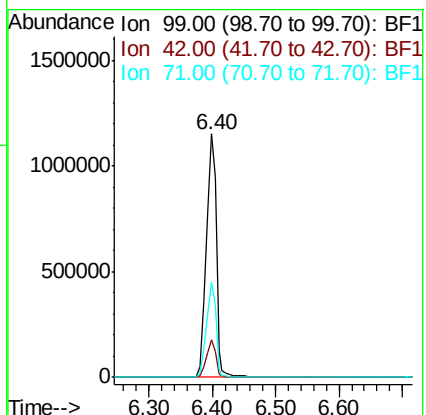
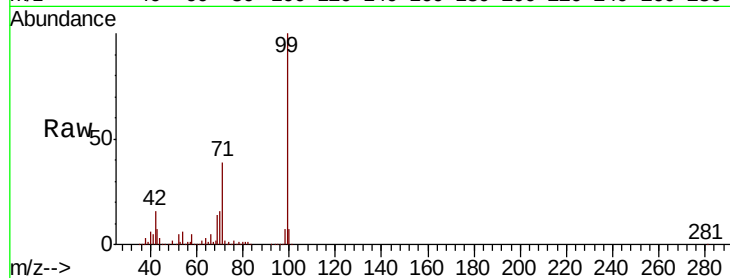
Tot Ion: 99 Resp: 1254253

Ion Ratio Lower Upper

99 100

42 15.5 11.4 17.0

71 39.3 29.8 44.6



#19

n-Nitroso-di-n-propylamine

Concen: 17.827 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.14 min

Lab File: BF119041.D

Acq: 25 Feb 2020 00:56

Tgt Ion: 70 Resp: 116130

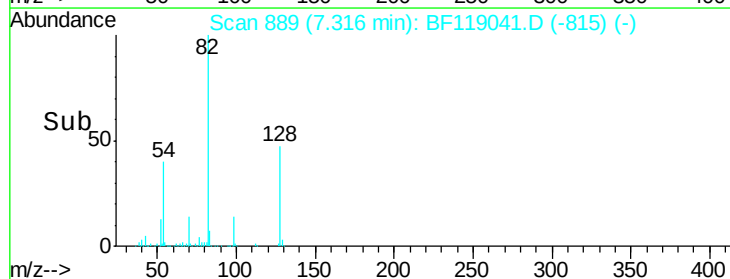
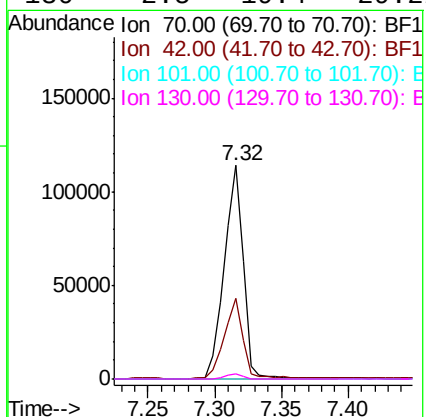
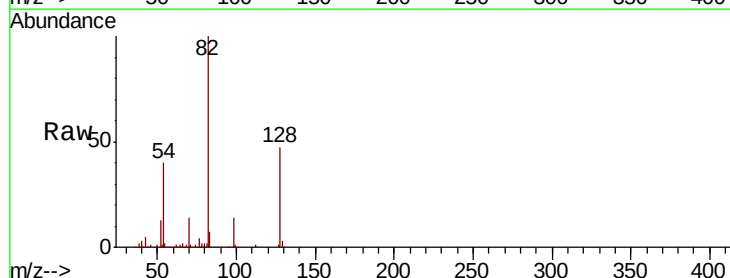
Ion Ratio Lower Upper

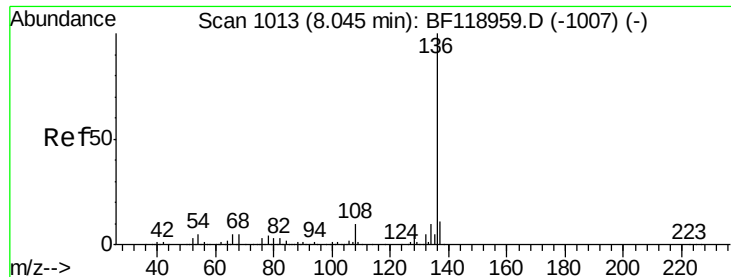
70 100

42 38.0 34.6 51.8

101 0.0 8.1 12.1#

130 2.5 19.4 29.2#

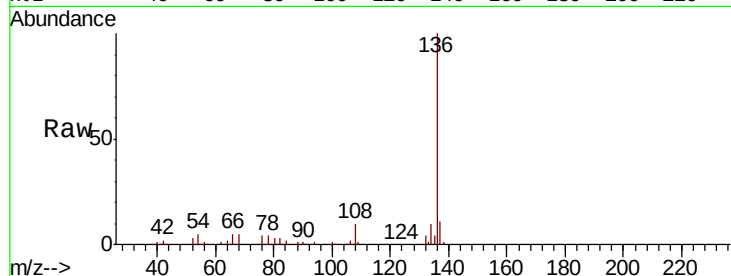




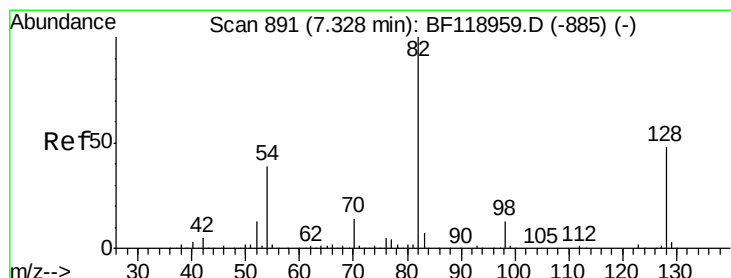
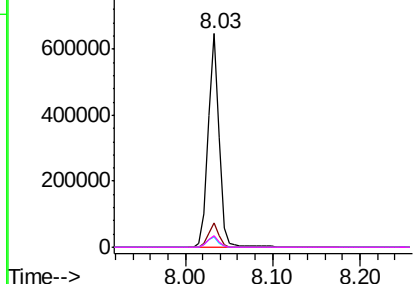
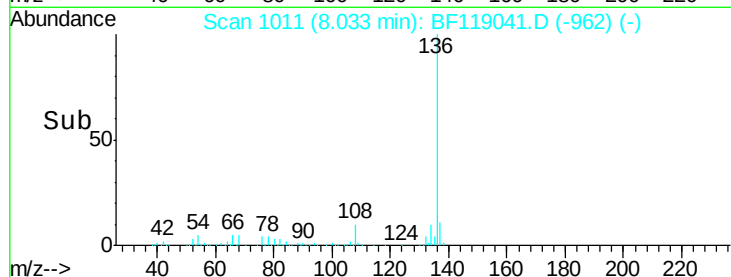
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.03 min Scan# 1011  
Delta R.T. -0.01 min  
Lab File: BF119041.D  
Acq: 25 Feb 2020 00:56

Instrument :  
BNA\_F  
ClientSampled :

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 567083      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.2  | 8.9 13.3    |
| 54          | 4.9   | 3.8 5.6     |
| 68          | 5.4   | 4.2 6.2     |

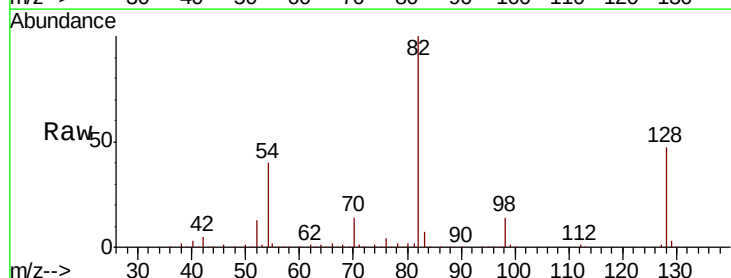


Abundance Ion 136.00 (135.70 to 136.70): E  
1000000  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

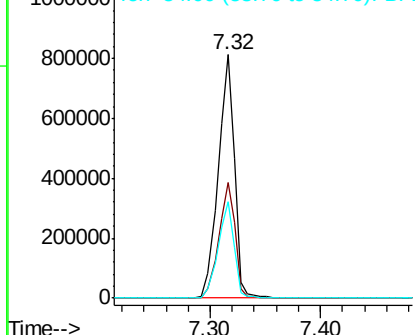
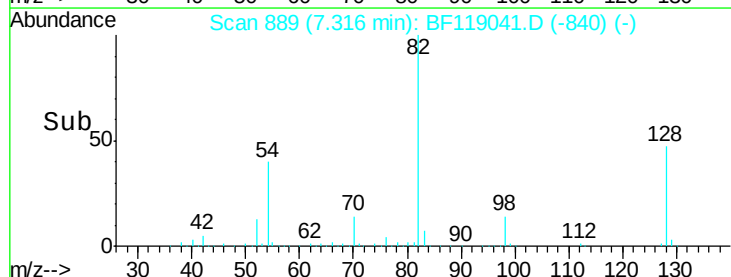


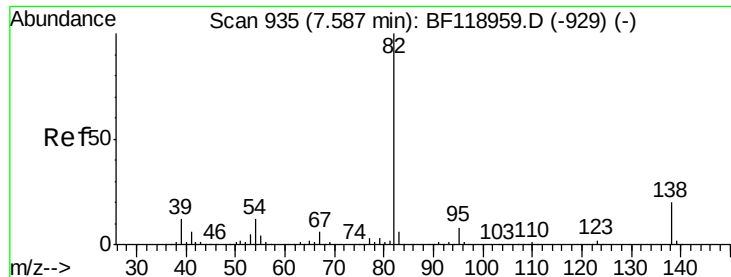
#23  
Nitrobenzene-d5  
Concen: 77.288 ng  
RT: 7.32 min Scan# 889  
Delta R.T. -0.01 min  
Lab File: BF119041.D  
Acq: 25 Feb 2020 00:56

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 830092      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 47.4  | 38.2 57.2   |
| 54          | 39.7  | 31.3 46.9   |



Abundance Ion 82.00 (81.70 to 82.70): BF1  
1000000  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.503 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.27 min

Lab File: BF119041.D

Acq: 25 Feb 2020 00:56

Instrument :

BNA\_F

ClientSampled :

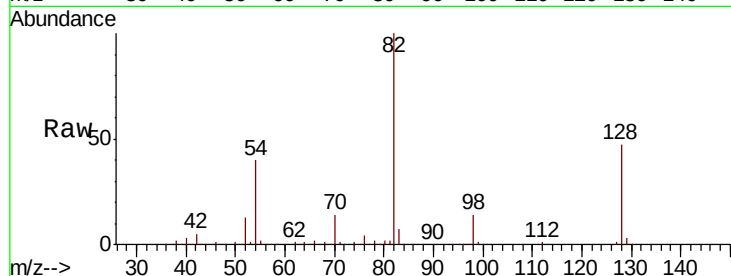
Tot Ion: 82 Resp: 830087

Ion Ratio Lower Upper

82 100

95 0.0 6.1 9.1#

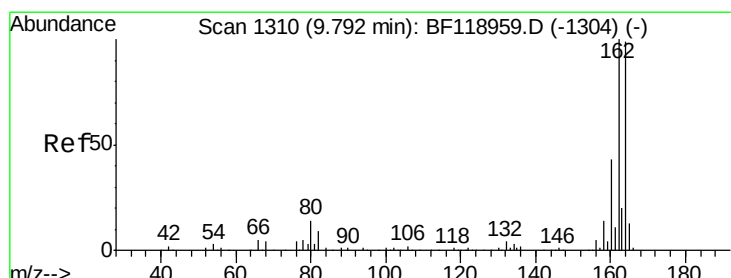
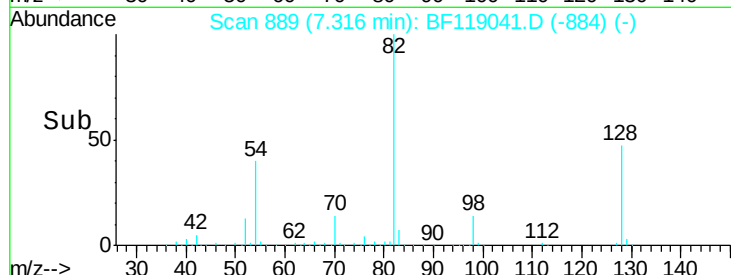
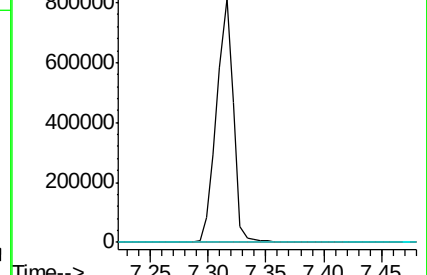
138 0.0 15.8 23.6#



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: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF119041.D

Acq: 25 Feb 2020 00:56

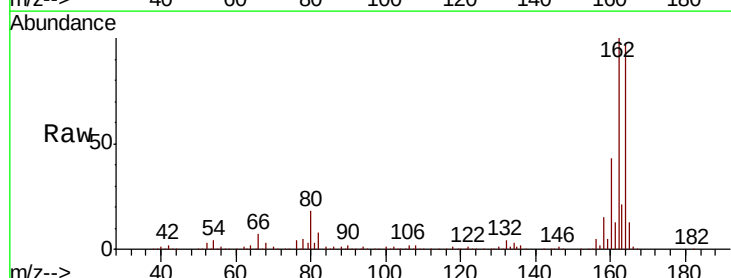
Tgt Ion: 164 Resp: 295084

Ion Ratio Lower Upper

164 100

162 102.7 81.2 121.8

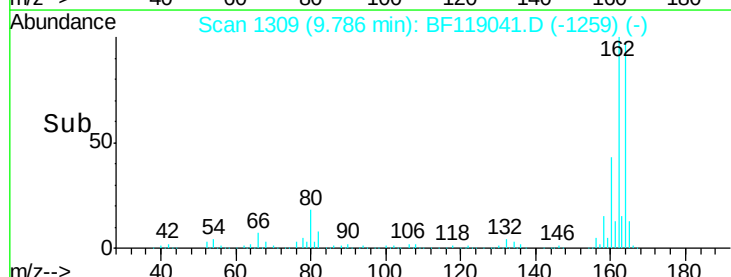
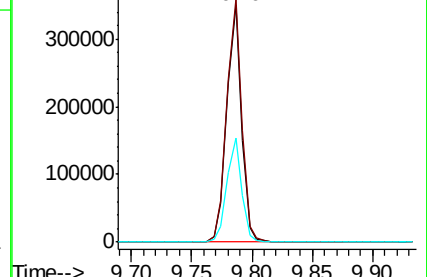
160 44.0 35.2 52.8

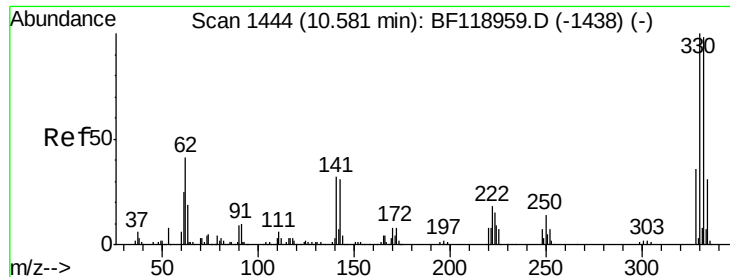


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

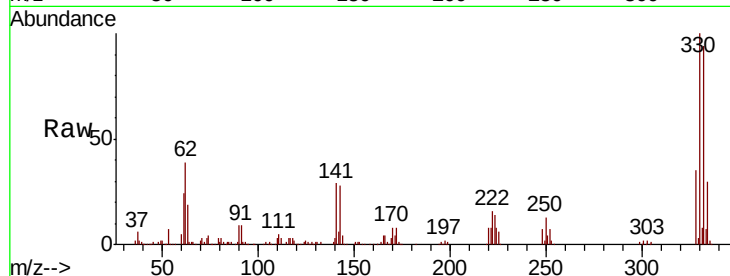




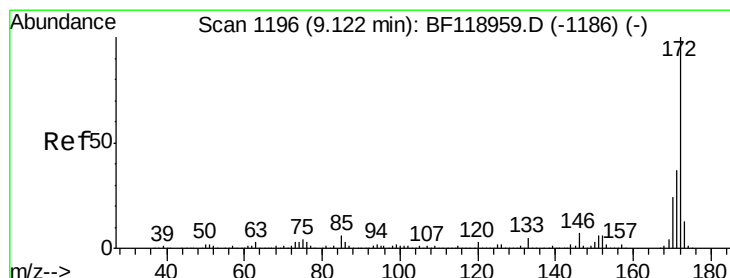
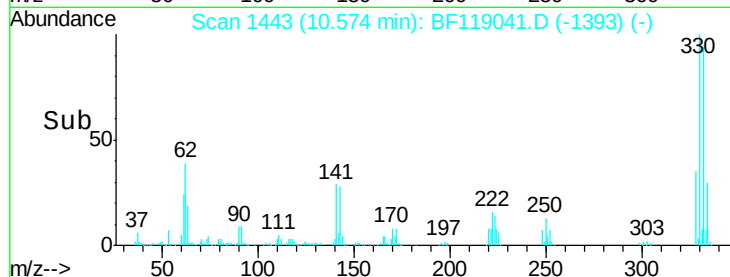
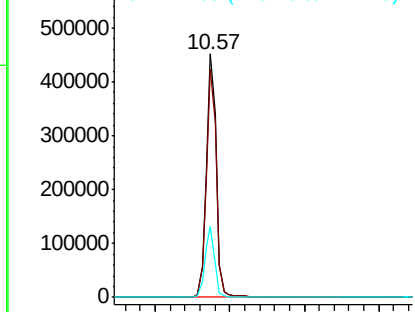
#42  
 2,4,6-Tribromophenol  
 Concen: 109.028 ng  
 RT: 10.57 min Scan# 1443  
 Delta R.T. -0.01 min  
 Lab File: BF119041.D  
 Acq: 25 Feb 2020 00:56

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 420869  
 Ion Ratio Lower Upper  
 330 100  
 332 94.5 77.1 115.7  
 141 28.5 23.0 34.6

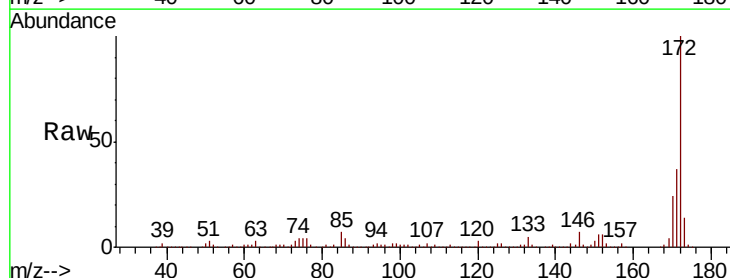


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

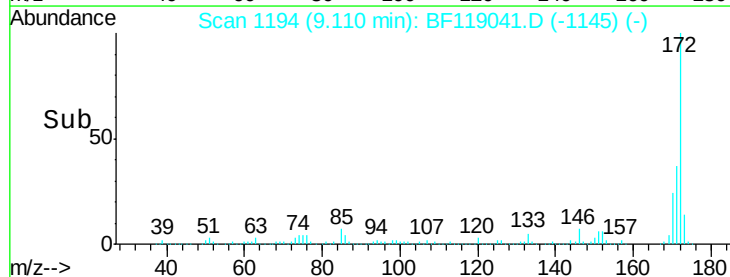
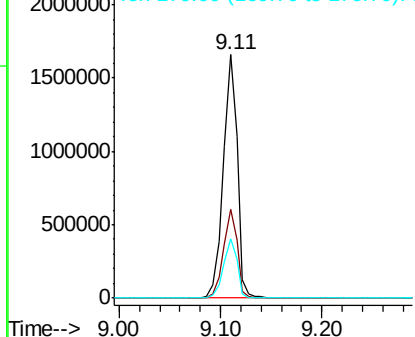


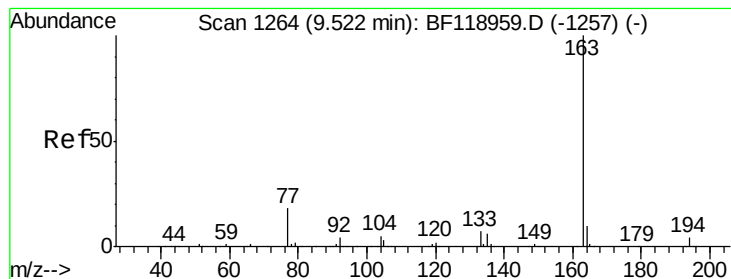
#45  
 2-Fluorobiphenyl  
 Concen: 79.291 ng  
 RT: 9.11 min Scan# 1194  
 Delta R.T. -0.01 min  
 Lab File: BF119041.D  
 Acq: 25 Feb 2020 00:56

Tgt Ion:172 Resp: 1588242  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.4 44.2  
 170 24.3 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





#50

Dimethylphthalate

Concen: 5.180 ng

RT: 9.50 min Scan# 1261

Delta R.T. -0.02 min

Lab File: BF119041.D

Acq: 25 Feb 2020 00:56

Instrument :

BNA\_F

ClientSampleId :

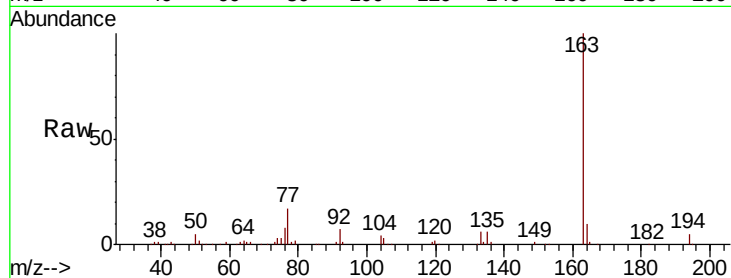
Tot Ion:163 Resp: 116888

Ion Ratio Lower Upper

163 100

194 4.6 3.4 5.2

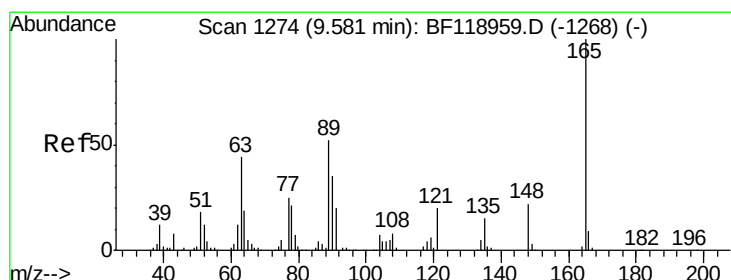
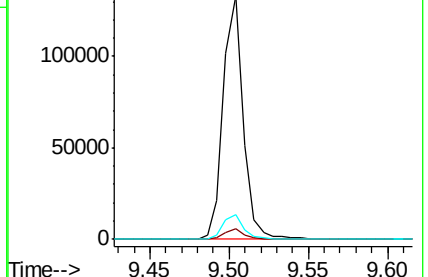
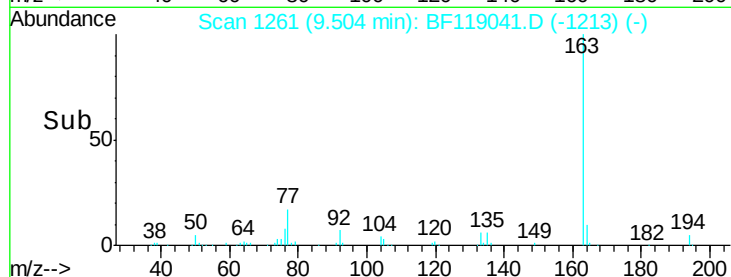
164 10.2 8.2 12.2



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



#51

2,6-Dinitrotoluene

Concen: 7.802 ng

RT: 9.79 min Scan# 1309

Delta R.T. 0.21 min

Lab File: BF119041.D

Acq: 25 Feb 2020 00:56

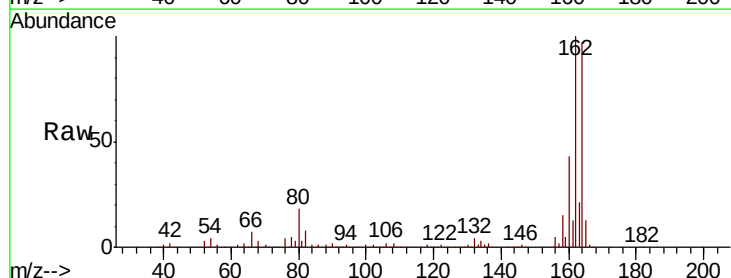
Tgt Ion:165 Resp: 39112

Ion Ratio Lower Upper

165 100

63 1.3 37.9 56.9#

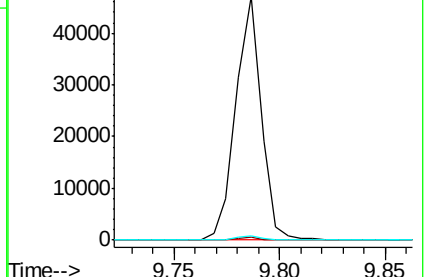
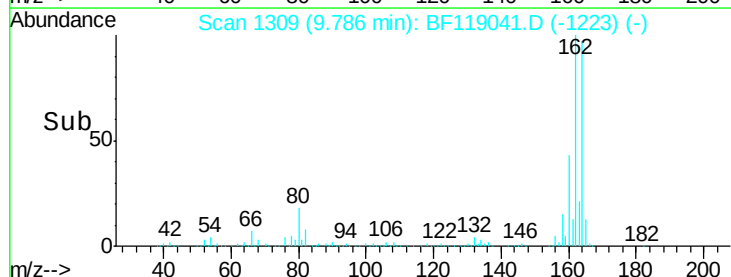
89 1.5 41.4 62.0#



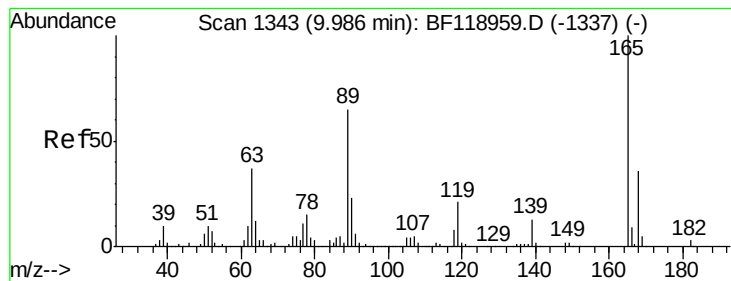
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1







#57

2,4-Dinitrotoluene

Concen: 6.019 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.20 min

Lab File: BF119041.D

Acq: 25 Feb 2020 00:56

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:165 Resp: 39112

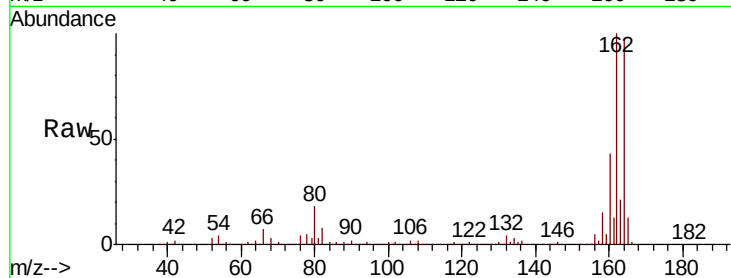
Ion Ratio Lower Upper

165 100

63 1.3 29.8 44.8#

89 1.5 51.9 77.9#

182 0.9 2.3 3.5#

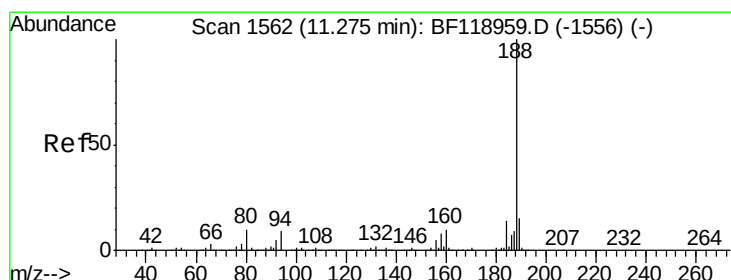
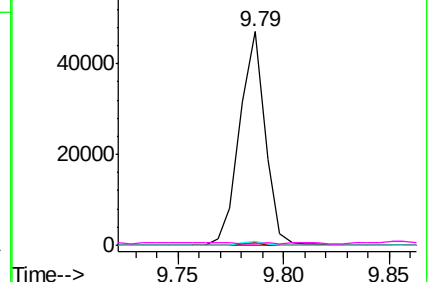
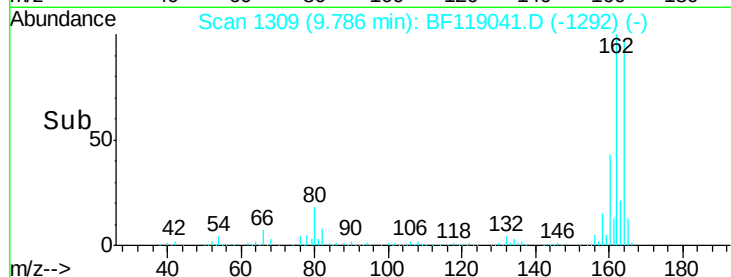


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.27 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF119041.D

Acq: 25 Feb 2020 00:56

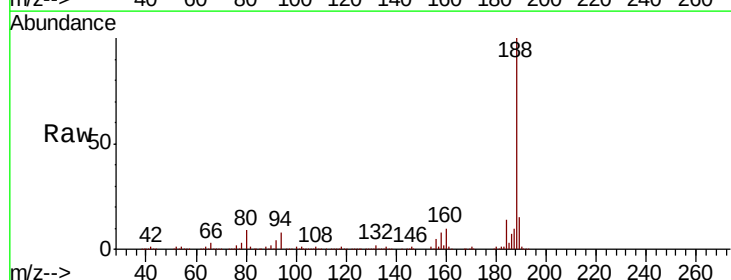
Tgt Ion:188 Resp: 508192

Ion Ratio Lower Upper

188 100

94 7.8 7.0 10.6

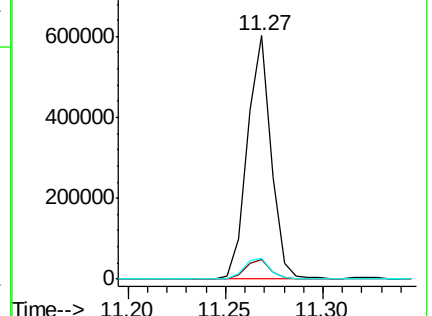
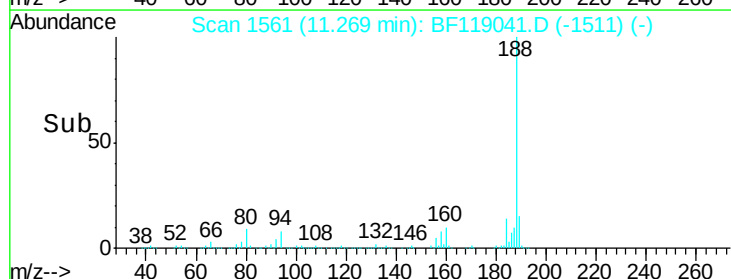
80 8.7 7.9 11.9

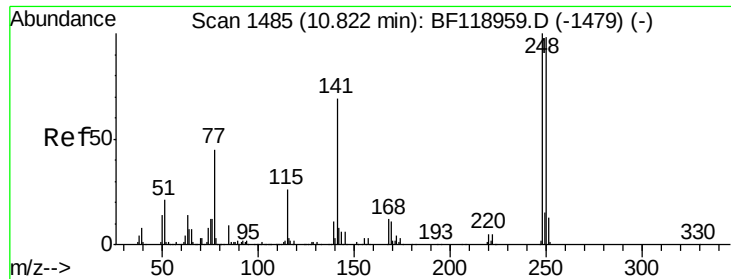


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

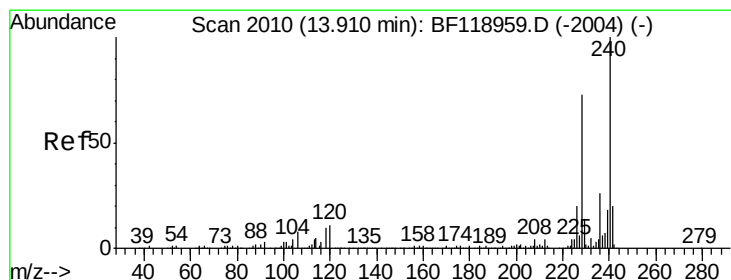
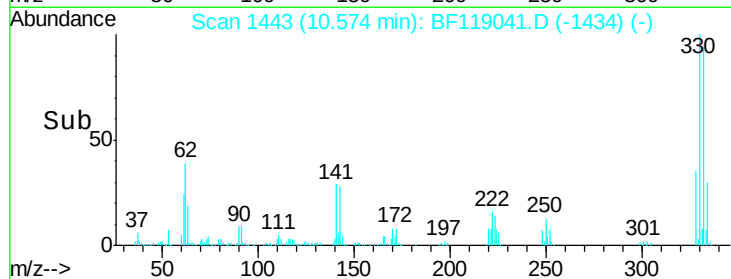
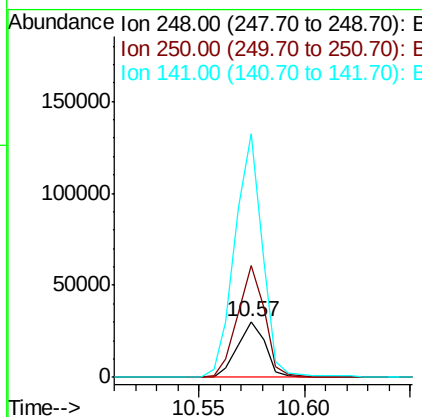
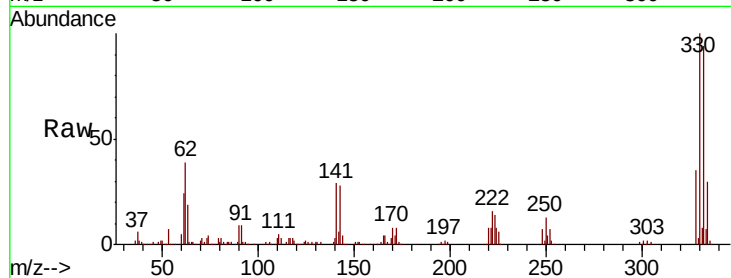




#67  
4-Bromophenyl-phenylether  
Concen: 4.174 ng  
RT: 10.57 min Scan# 1443  
Delta R.T. -0.25 min  
Lab File: BF119041.D  
Acq: 25 Feb 2020 00:56

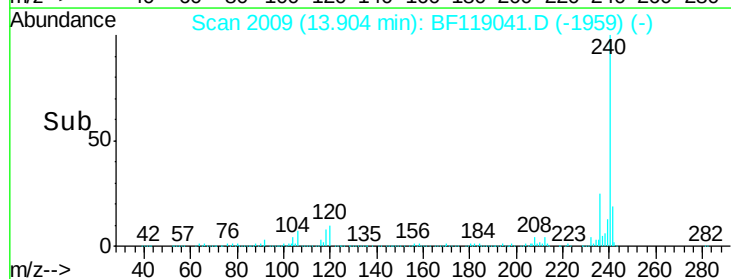
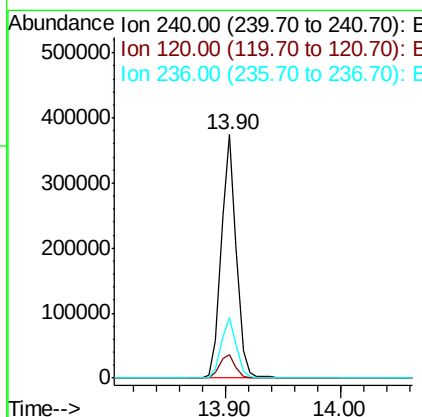
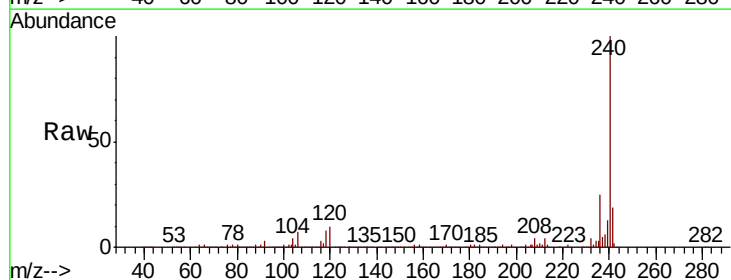
Instrument :  
BNA\_F  
ClientSampleId :

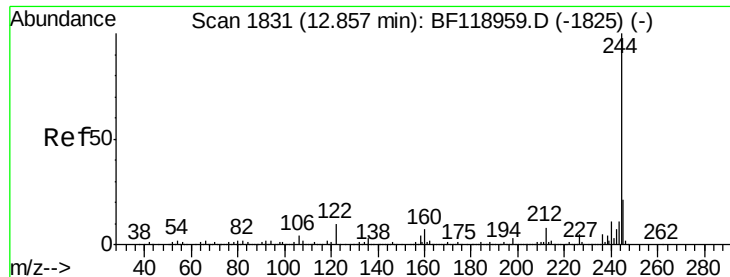
Tot Ion:248 Resp: 27730  
Ion Ratio Lower Upper  
248 100  
250 202.3 78.8 118.2#  
141 438.7 55.3 82.9#



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.90 min Scan# 2009  
Delta R.T. -0.01 min  
Lab File: BF119041.D  
Acq: 25 Feb 2020 00:56

Tgt Ion:240 Resp: 337059  
Ion Ratio Lower Upper  
240 100  
120 9.6 8.9 13.3  
236 25.0 20.6 30.8





#79

Terphenyl-d14

Concen: 78.874 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF119041.D

Acq: 25 Feb 2020 00:56

Instrument :

BNA\_F

ClientSampleId :

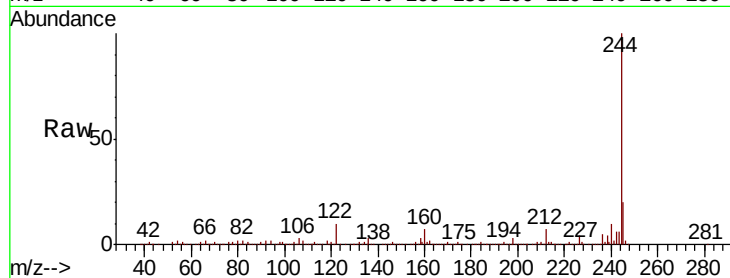
Tot Ion:244 Resp: 1544149

Ion Ratio Lower Upper

244 100

212 7.4 6.3 9.5

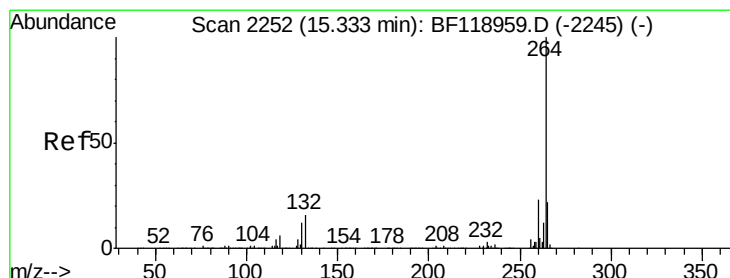
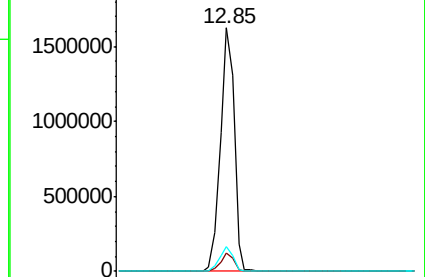
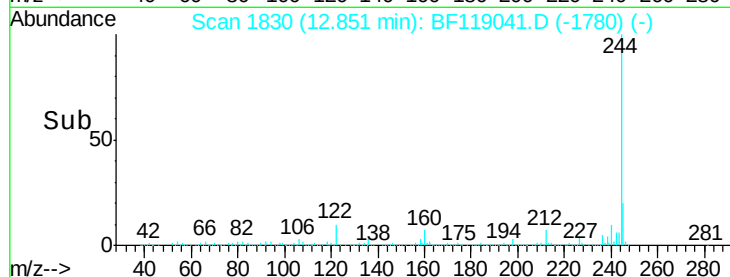
122 10.4 8.4 12.6



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: 15.33 min Scan# 2252

Delta R.T. -0.00 min

Lab File: BF119041.D

Acq: 25 Feb 2020 00:56

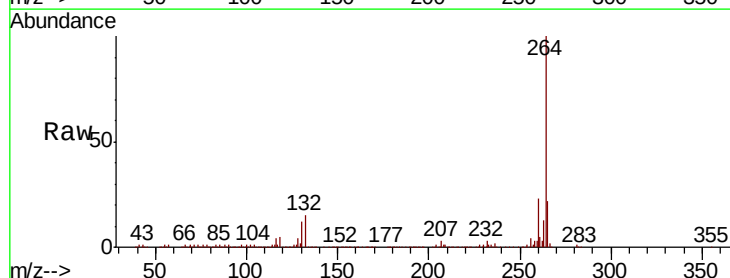
Tgt Ion:264 Resp: 348525

Ion Ratio Lower Upper

264 100

260 23.3 18.6 28.0

265 21.7 17.3 25.9



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

