

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021420\  
 Data File : BF118935.D  
 Acq On : 14 Feb 2020 16:50  
 Operator : CG/JU  
 Sample : PB126820BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Feb 15 03:37:05 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 14 00:49:42 2020  
 Response via : Initial Calibration

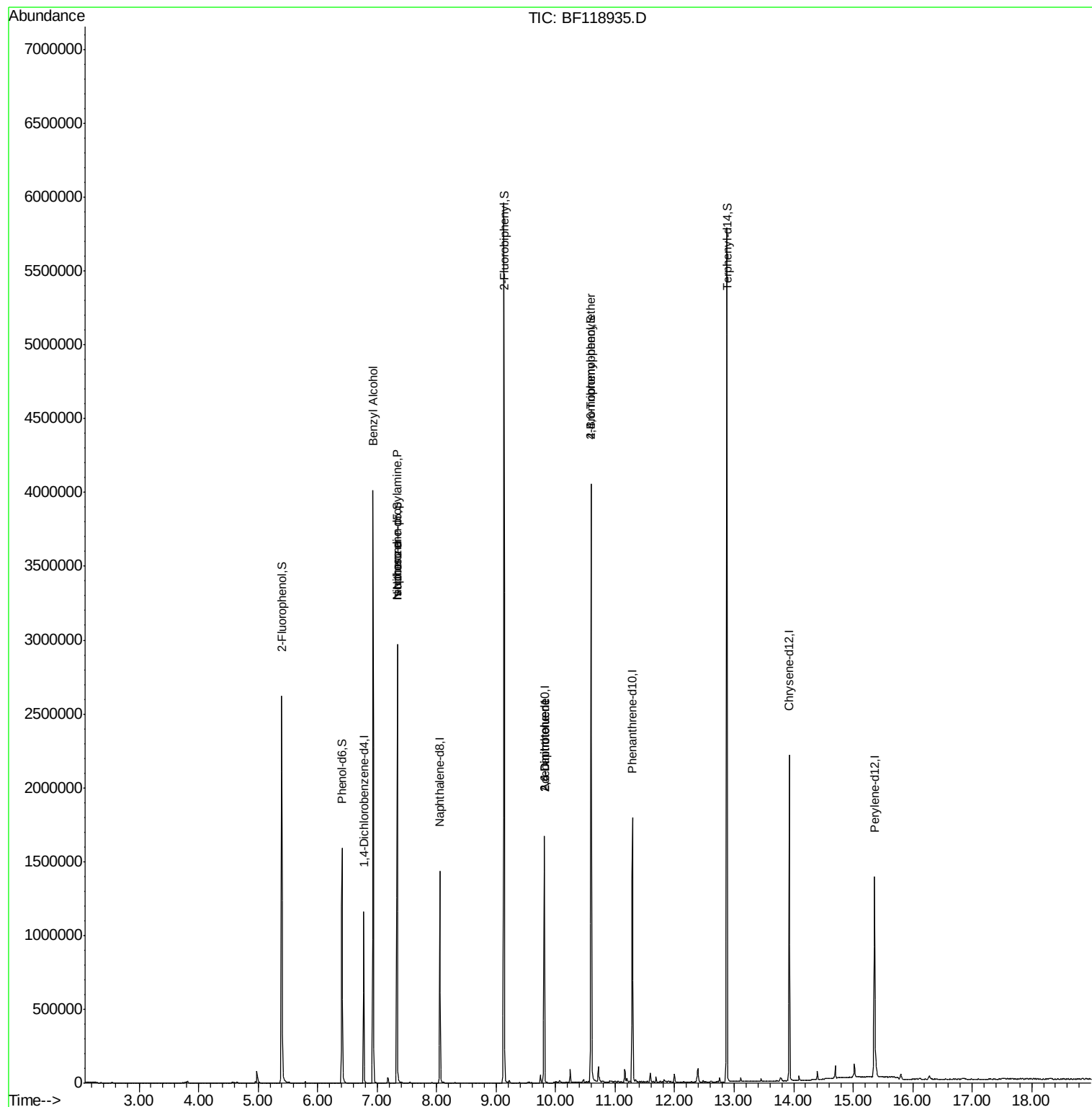
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.77  | 152  | 167892   | 20.00     | ng     | -0.04    |
| 21) Naphthalene-d8             | 8.06  | 136  | 638268   | 20.00     | ng     | -0.05    |
| 39) Acenaphthene-d10           | 9.81  | 164  | 350943   | 20.00     | ng     | -0.05    |
| 64) Phenanthrene-d10           | 11.29 | 188  | 654414   | 20.00     | ng     | -0.05    |
| 76) Chrysene-d12               | 13.93 | 240  | 760754   | 20.00     | ng     | -0.05    |
| 87) Perylene-d12               | 15.36 | 264  | 625612   | 20.00     | ng     | -0.07    |
| System Monitoring Compounds    |       |      |          |           |        |          |
| 5) 2-Fluorophenol              | 5.40  | 112  | 777333   | 87.64     | ng     | -0.04    |
| 7) Phenol-d6                   | 6.41  | 99   | 522201   | 47.43     | ng     | -0.04    |
| 23) Nitrobenzene-d5            | 7.34  | 82   | 1014724  | 94.76     | ng     | -0.04    |
| 42) 2,4,6-Tribromophenol       | 10.60 | 330  | 565214   | 134.60    | ng     | -0.05    |
| 45) 2-Fluorobiphenyl           | 9.13  | 172  | 1943518  | 99.00     | ng     | -0.05    |
| 79) Terphenyl-d14              | 12.88 | 244  | 2320449  | 62.65     | ng     | -0.05    |
| Target Compounds               |       |      |          |           |        |          |
| 9) Benzaldehyde                | 6.33  | 77   | 813      | Below Cal | Qvalue | # 81     |
| 15) Benzyl Alcohol             | 6.93  | 79   | 17297    | 2.032 ng  | #      | 47       |
| 19) n-Nitroso-di-n-propylamine | 7.34  | 70   | 139088   | 20.647 ng | #      | 76       |
| 25) Isophorone                 | 7.34  | 82   | 1010215  | 52.492 ng | #      | 63       |
| 51) 2,6-Dinitrotoluene         | 9.81  | 165  | 45379    | 8.300 ng  | #      | 31       |
| 57) 2,4-Dinitrotoluene         | 9.81  | 165  | 45379    | 6.272 ng  | #      | 34       |
| 67) 4-Bromophenyl-phenylether  | 10.60 | 248  | 36499    | 4.715 ng  | #      | 1        |

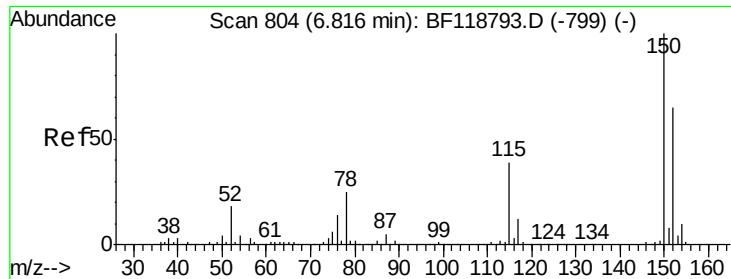
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : PB126820BL  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Feb 15 03:37:05 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 14 00:49:42 2020  
Response via : Initial Calibration



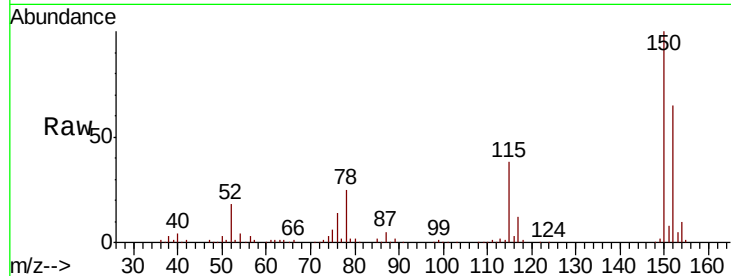


#1

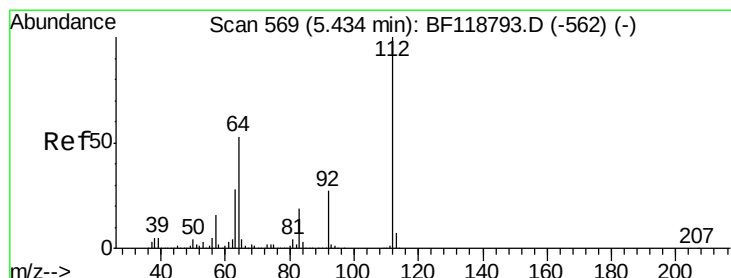
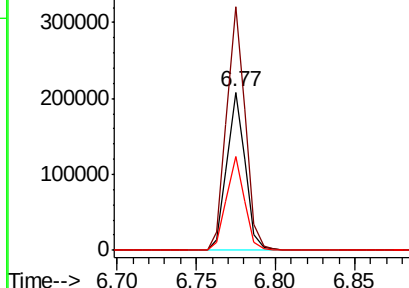
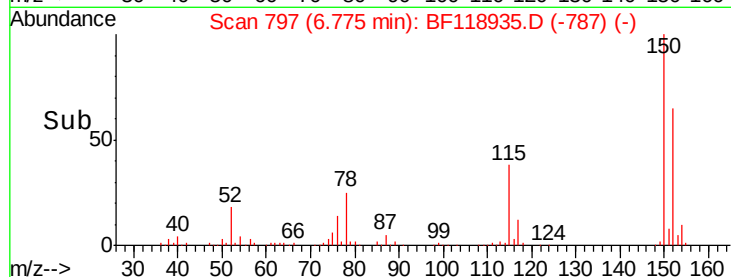
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.77 min Scan# 797  
 Delta R.T. -0.04 min  
 Lab File: BF118935.D  
 Acq: 14 Feb 2020 16:50

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:152 Resp: 167892  
 Ion Ratio Lower Upper  
 152 100  
 150 153.8 123.6 185.4  
 115 59.0 48.2 72.2



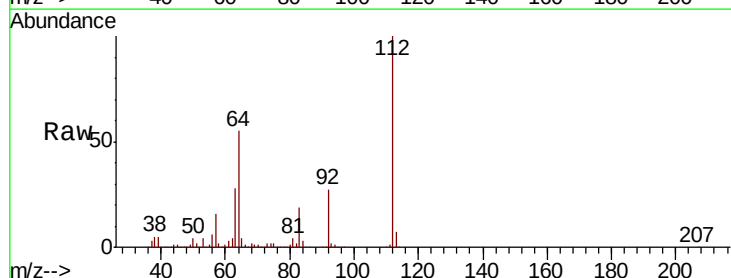
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



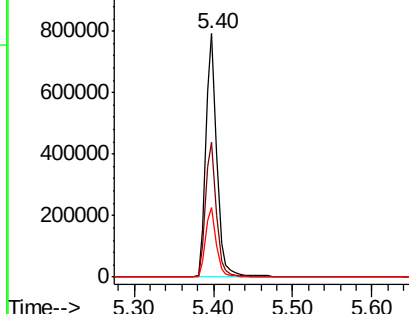
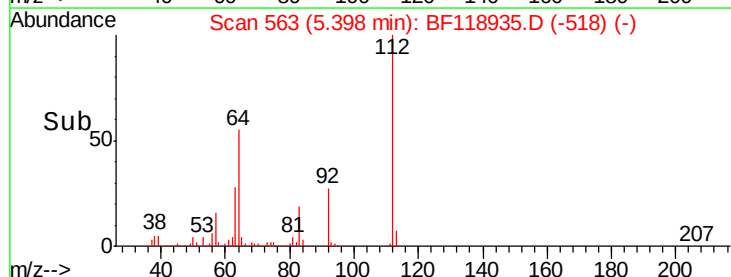
#5

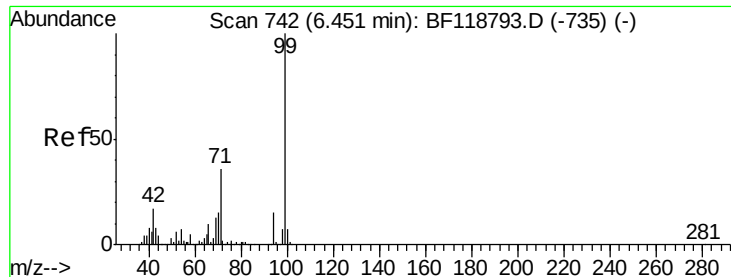
2-Fluorophenol  
 Concen: 87.642 ng  
 RT: 5.40 min Scan# 563  
 Delta R.T. -0.04 min  
 Lab File: BF118935.D  
 Acq: 14 Feb 2020 16:50

Tgt Ion:112 Resp: 777333  
 Ion Ratio Lower Upper  
 112 100  
 64 55.2 42.6 63.8  
 63 28.3 22.2 33.4



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: 47.429 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.04 min

Lab File: BF118935.D

Acq: 14 Feb 2020 16:50

Instrument :

BNA\_F

ClientSampleId :

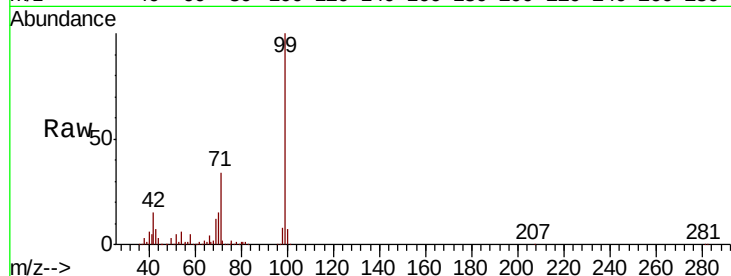
Tot Ion: 99 Resp: 522201

Ion Ratio Lower Upper

99 100

42 15.2 13.4 20.0

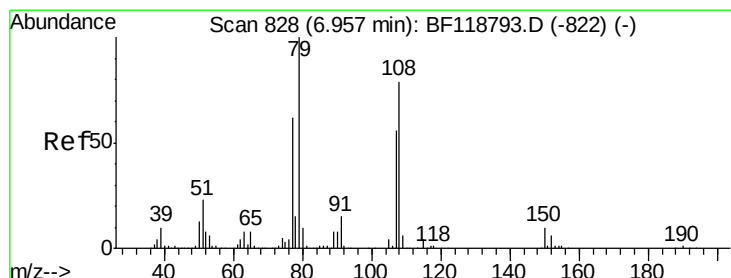
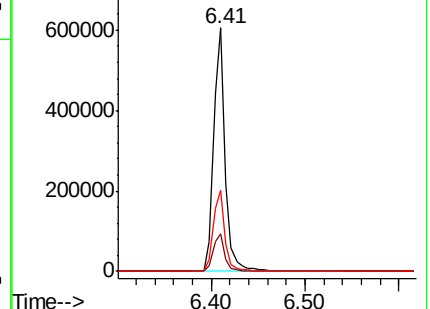
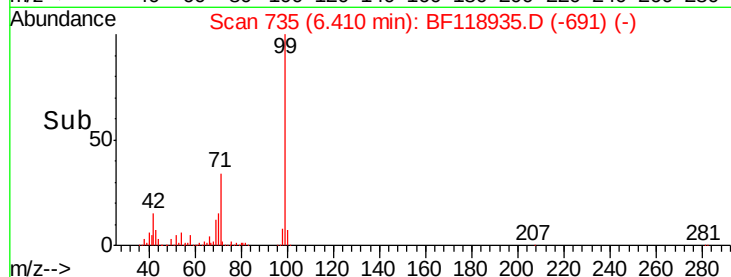
71 33.5 29.0 43.6



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



#15

Benzyl Alcohol

Concen: 2.032 ng

RT: 6.93 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF118935.D

Acq: 14 Feb 2020 16:50

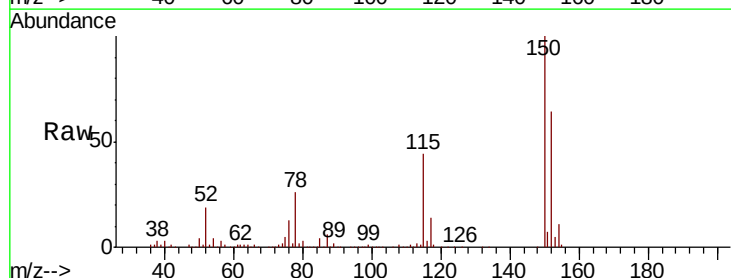
Tgt Ion: 79 Resp: 17297

Ion Ratio Lower Upper

79 100

108 30.8 62.9 94.3#

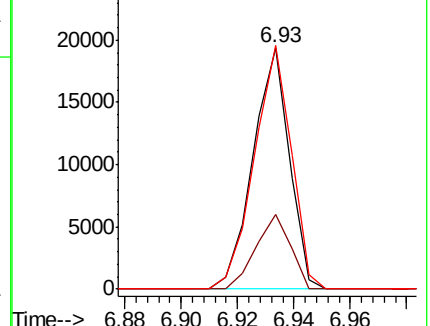
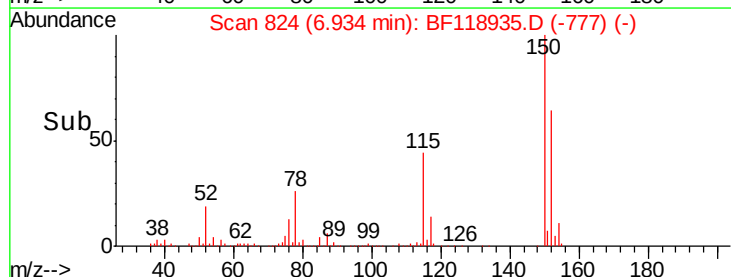
77 101.0 50.0 75.0#

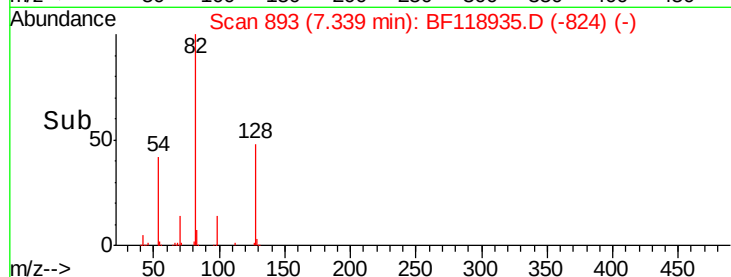
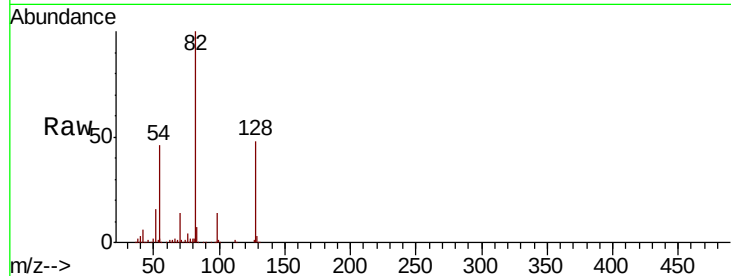
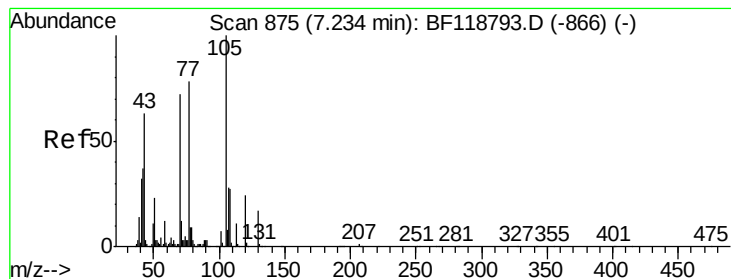


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 20.647 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.11 min

Lab File: BF118935.D

Acq: 14 Feb 2020 16:50

Instrument :

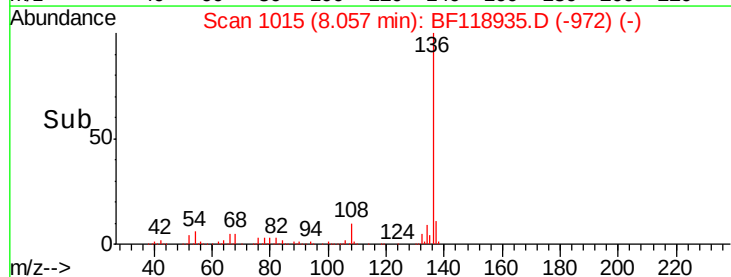
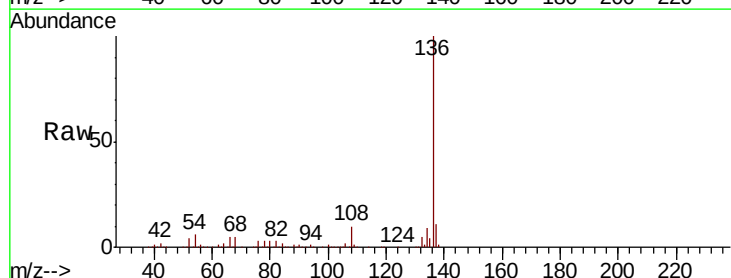
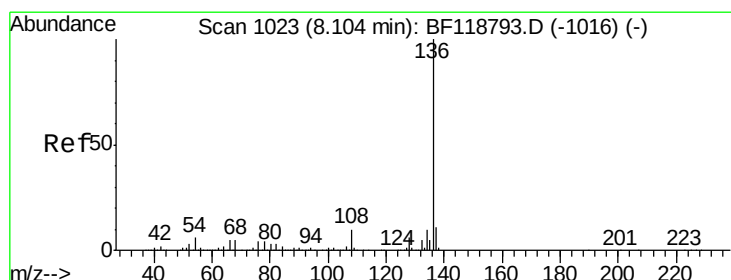
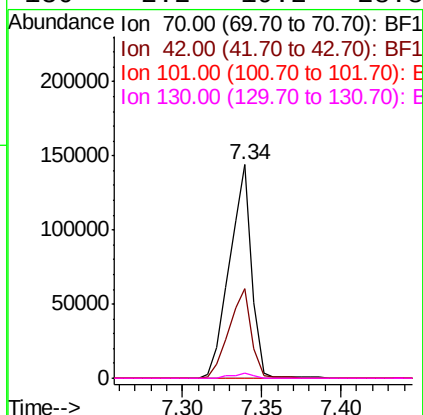
BNA\_F

ClientSampleId :

Tot Ion: 70 Resp: 139088

Ion Ratio Lower Upper

|     |      |      |       |
|-----|------|------|-------|
| 70  | 100  |      |       |
| 42  | 42.0 | 41.5 | 62.3  |
| 101 | 0.0  | 8.3  | 12.5# |
| 130 | 2.2  | 19.2 | 28.8# |



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.05 min

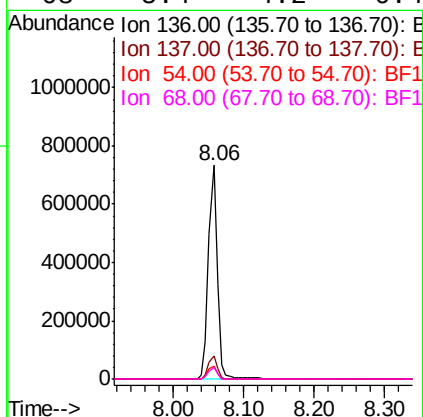
Lab File: BF118935.D

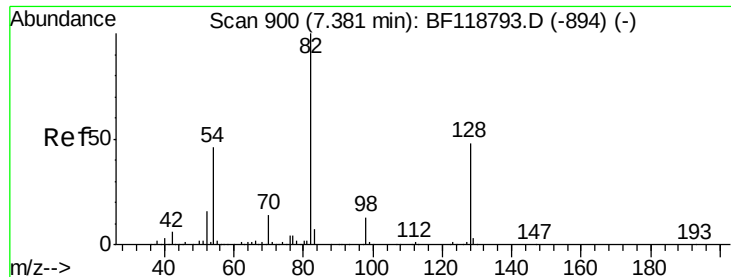
Acq: 14 Feb 2020 16:50

Tgt Ion: 136 Resp: 638268

Ion Ratio Lower Upper

|     |      |     |      |
|-----|------|-----|------|
| 136 | 100  |     |      |
| 137 | 11.0 | 8.7 | 13.1 |
| 54  | 6.0  | 5.0 | 7.6  |
| 68  | 5.4  | 4.2 | 6.4  |

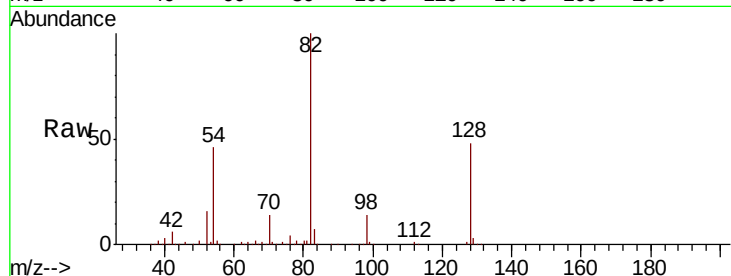




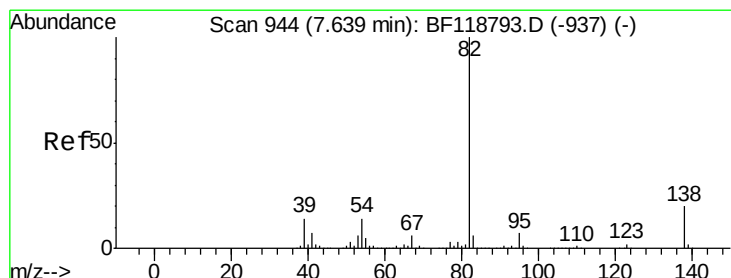
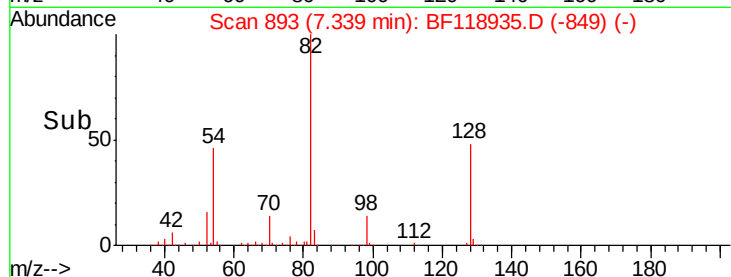
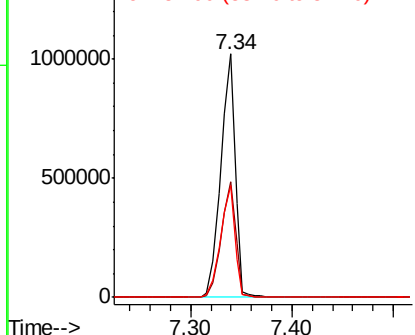
#23  
Nitrobenzene-d5  
Concen: 94.760 ng  
RT: 7.34 min Scan# 893  
Delta R.T. -0.04 min  
Lab File: BF118935.D  
Acq: 14 Feb 2020 16:50

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 1014724  
Ion Ratio Lower Upper  
82 100  
128 47.7 38.5 57.7  
54 46.0 36.7 55.1

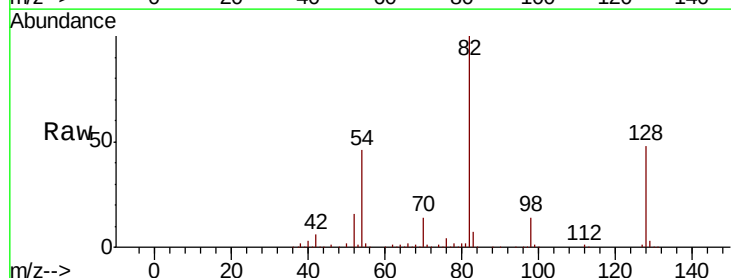


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

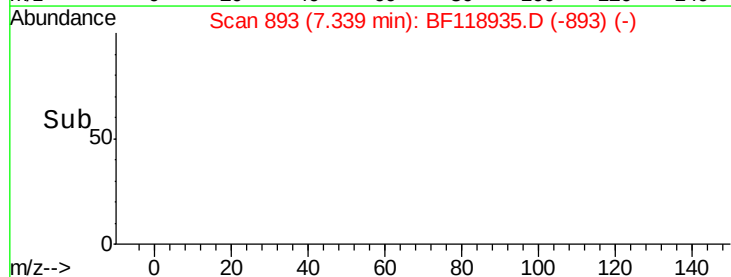
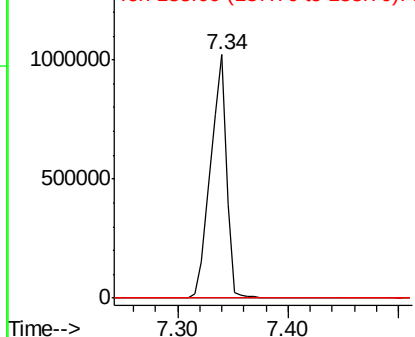


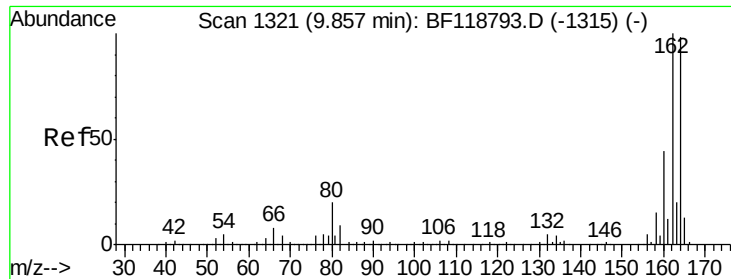
#25  
Isophorone  
Concen: 52.492 ng  
RT: 7.34 min Scan# 893  
Delta R.T. -0.30 min  
Lab File: BF118935.D  
Acq: 14 Feb 2020 16:50

Tgt Ion: 82 Resp: 1010215  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.0 9.0#  
138 0.0 15.7 23.5#



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: 9.81 min Scan# 1313

Delta R.T. -0.05 min

Lab File: BF118935.D

Acq: 14 Feb 2020 16:50

Instrument :

BNA\_F

ClientSampleId :

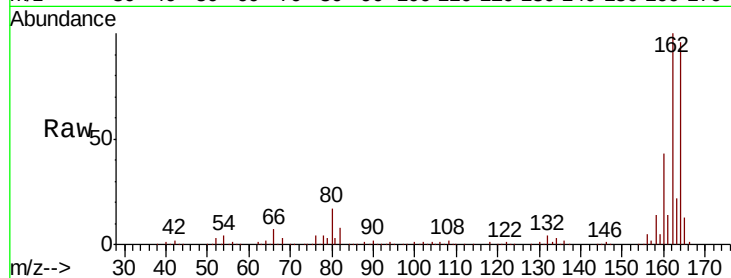
Tot Ion:164 Resp: 350943

Ion Ratio Lower Upper

164 100

162 103.9 81.4 122.2

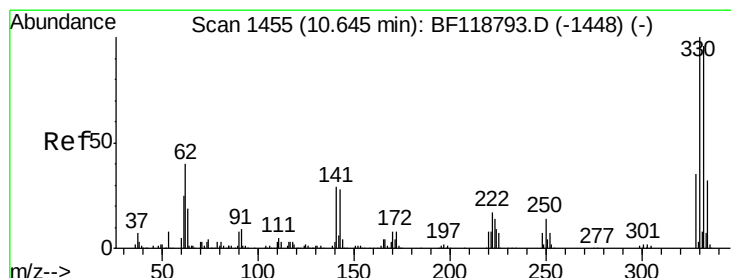
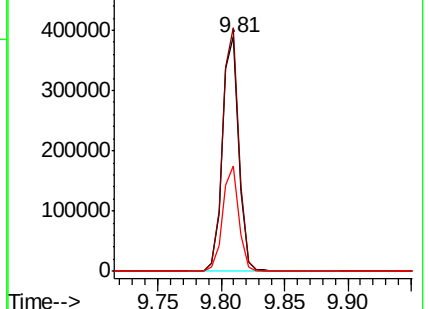
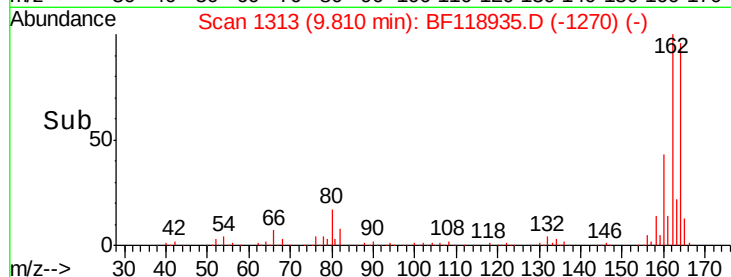
160 45.0 35.6 53.4



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: 134.603 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.05 min

Lab File: BF118935.D

Acq: 14 Feb 2020 16:50

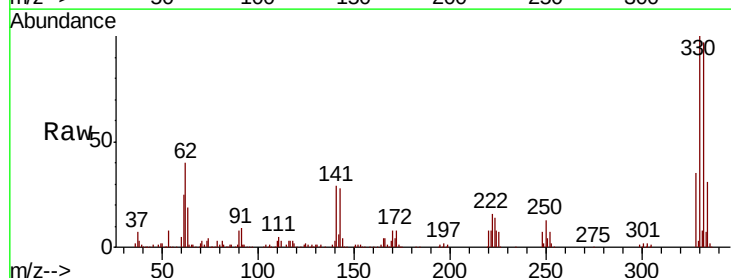
Tgt Ion:330 Resp: 565214

Ion Ratio Lower Upper

330 100

332 96.5 77.3 115.9

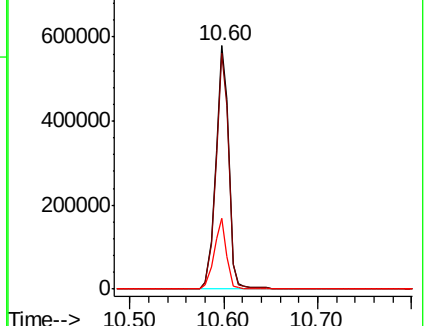
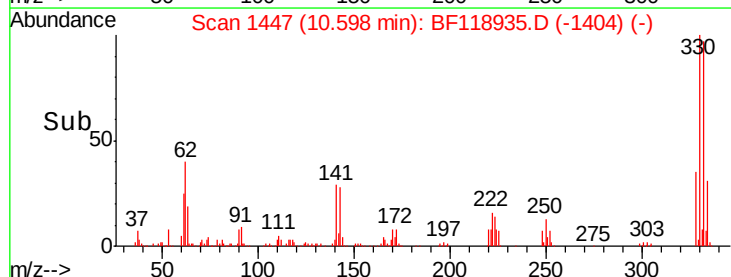
141 28.1 22.4 33.6

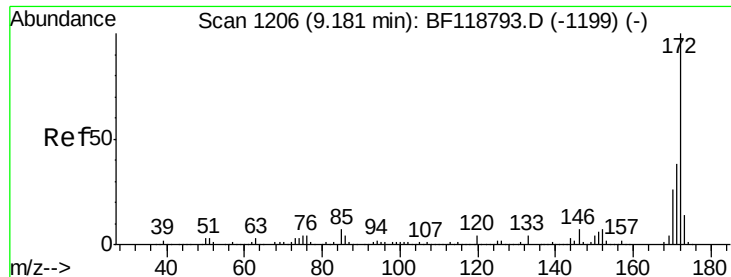


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



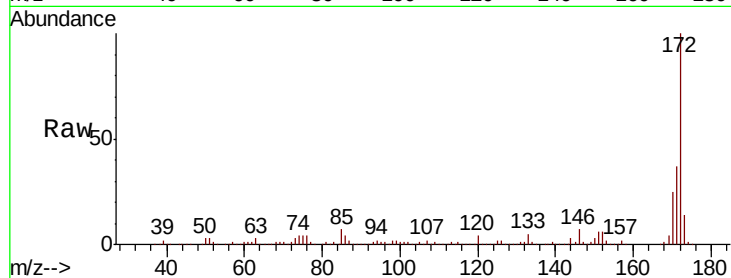


#45  
 2-Fluorobiphenyl  
 Concen: 99.002 ng  
 RT: 9.13 min Scan# 1198  
 Delta R.T. -0.05 min  
 Lab File: BF118935.D  
 Acq: 14 Feb 2020 16:50

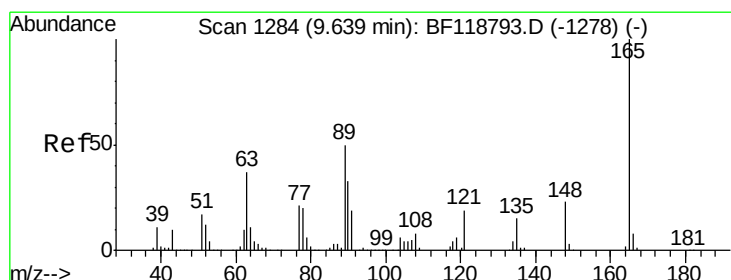
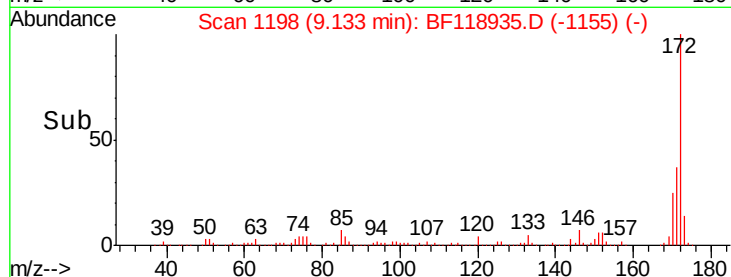
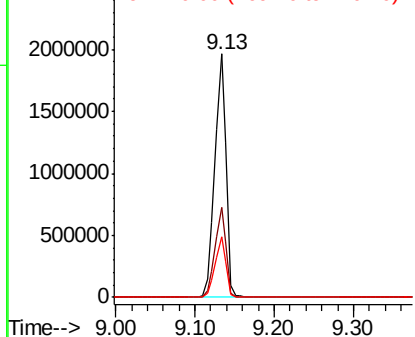
Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:172 Resp: 1943518  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 37.1  | 30.8  | 46.2  |
| 170 | 24.6  | 20.5  | 30.7  |



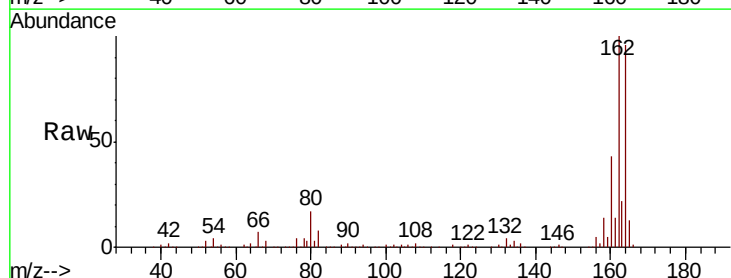
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



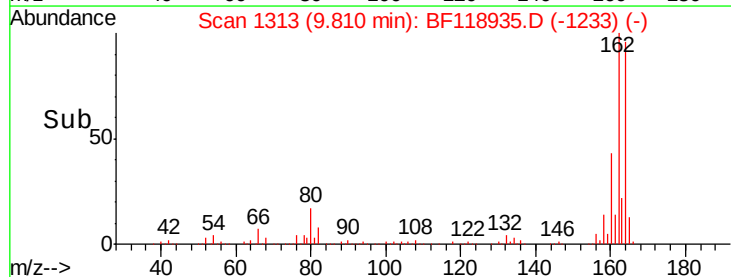
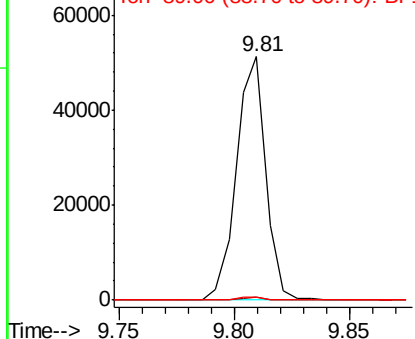
#51  
 2,6-Dinitrotoluene  
 Concen: 8.300 ng  
 RT: 9.81 min Scan# 1313  
 Delta R.T. 0.17 min  
 Lab File: BF118935.D  
 Acq: 14 Feb 2020 16:50

Tgt Ion:165 Resp: 45379  

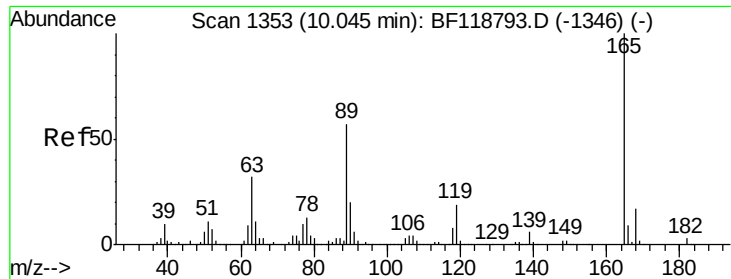
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 1.3   | 37.4  | 56.0# |
| 89  | 1.3   | 39.7  | 59.5# |



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



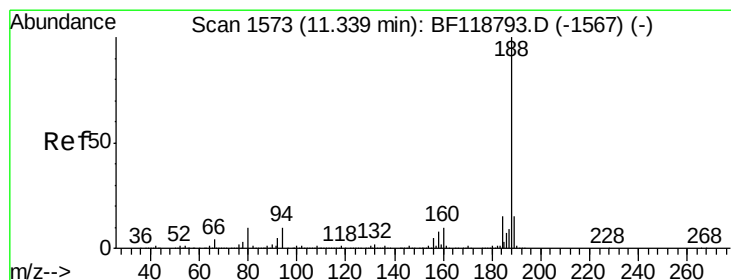
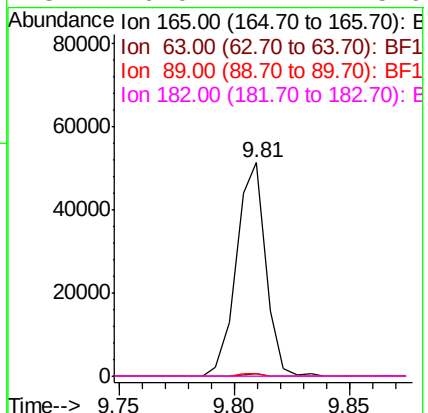
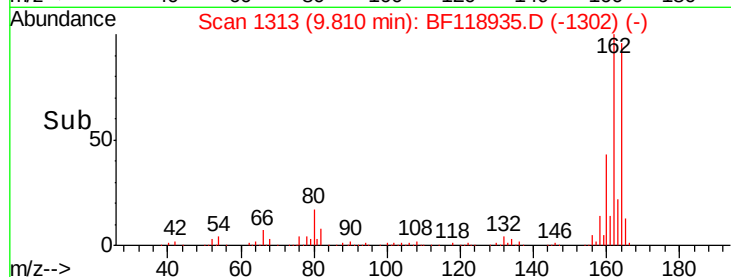
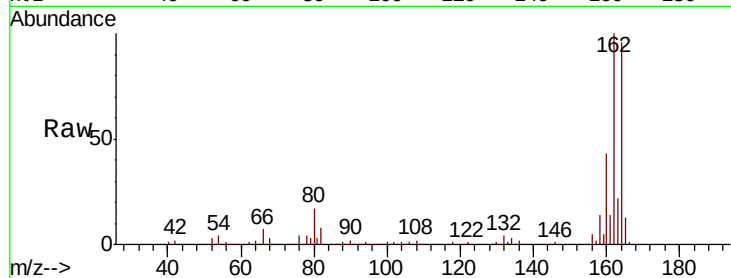




#57  
 2,4-Dinitrotoluene  
 Concen: 6.272 ng  
 RT: 9.81 min Scan# 1313  
 Delta R.T. -0.24 min  
 Lab File: BF118935.D  
 Acq: 14 Feb 2020 16:50

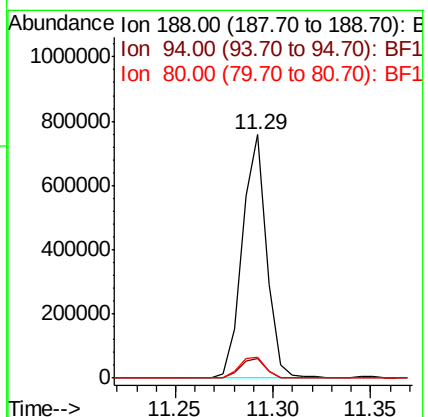
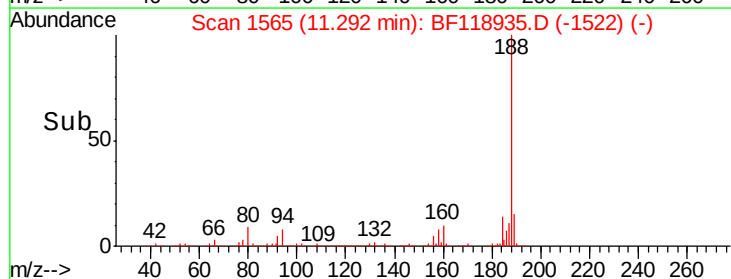
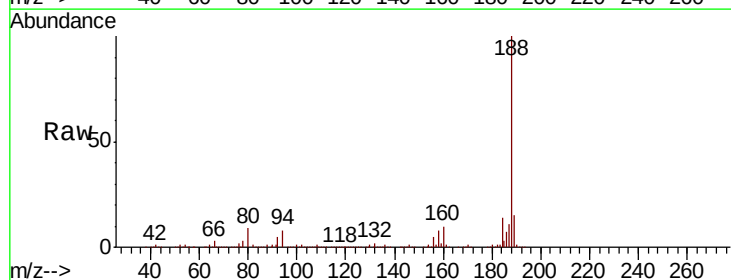
Instrument :  
 BNA\_F  
 ClientSampleId :

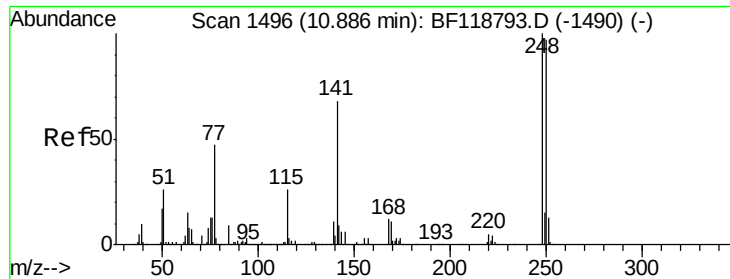
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 25.5  | 38.3# |
| 89      | 1.3   | 45.4  | 68.0# |
| 182     | 0.0   | 2.4   | 3.6#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.29 min Scan# 1565  
 Delta R.T. -0.05 min  
 Lab File: BF118935.D  
 Acq: 14 Feb 2020 16:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.0   | 7.9   | 11.9  |
| 80      | 8.7   | 8.4   | 12.6  |

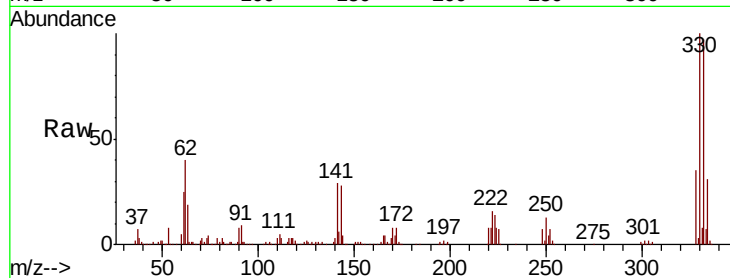




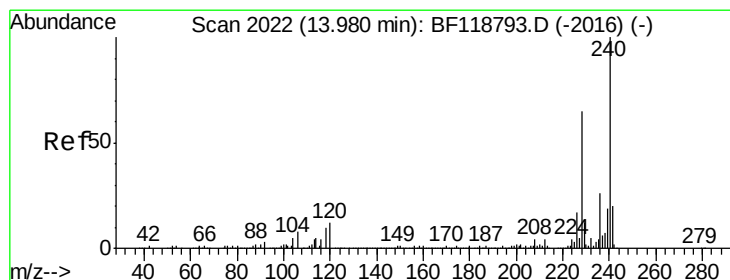
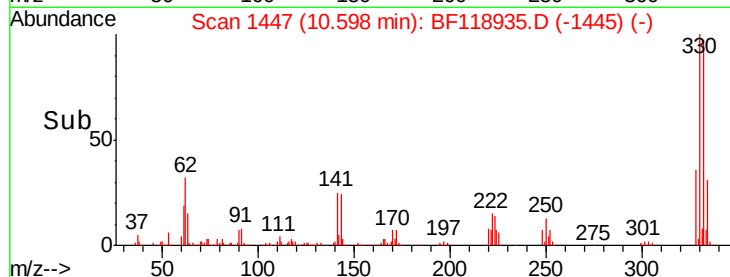
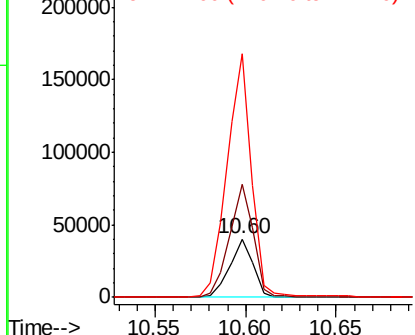
#67  
4-Bromophenyl-phenylether  
Concen: 4.715 ng  
RT: 10.60 min Scan# 1447  
Delta R.T. -0.29 min  
Lab File: BF118935.D  
Acq: 14 Feb 2020 16:50

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 36499  
Ion Ratio Lower Upper  
248 100  
250 193.3 77.6 116.4#  
141 416.2 54.4 81.6#

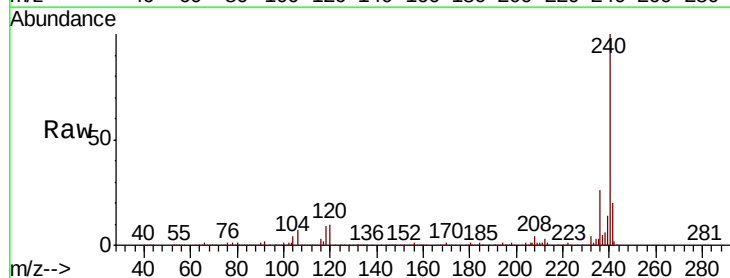


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

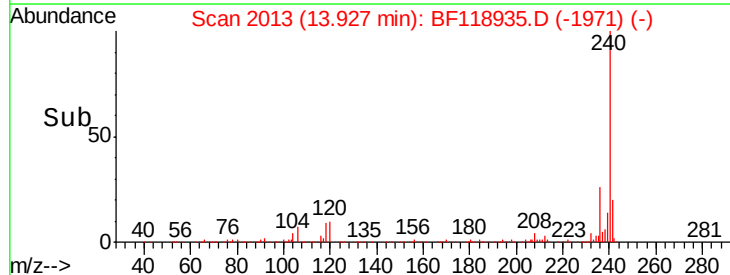
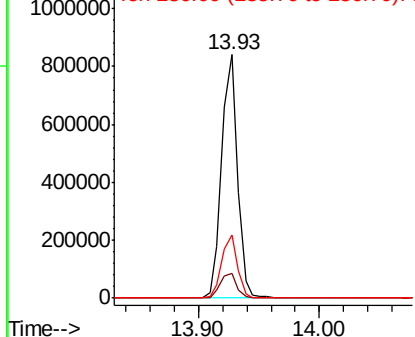


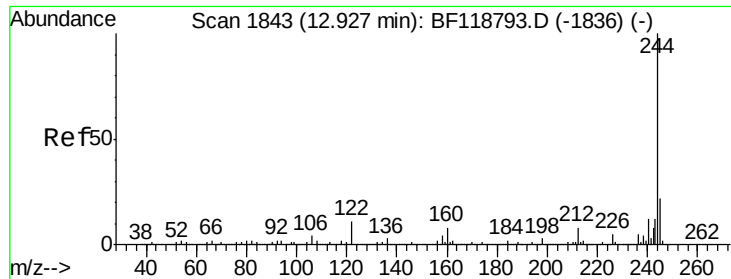
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.93 min Scan# 2013  
Delta R.T. -0.05 min  
Lab File: BF118935.D  
Acq: 14 Feb 2020 16:50

Tgt Ion:240 Resp: 760754  
Ion Ratio Lower Upper  
240 100  
120 9.9 9.4 14.0  
236 25.8 21.0 31.6



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: 62.652 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.05 min

Lab File: BF118935.D

Acq: 14 Feb 2020 16:50

Instrument :

BNA\_F

ClientSampled :

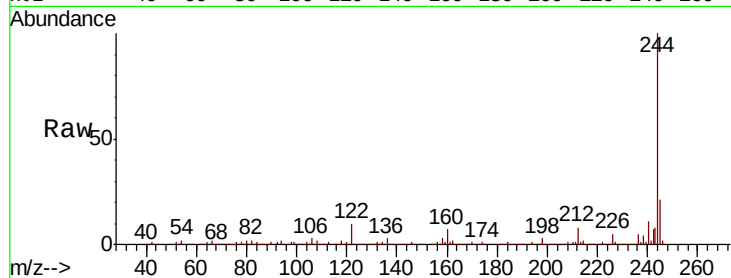
Tot Ion:244 Resp: 2320449

Ion Ratio Lower Upper

244 100

212 7.6 6.5 9.7

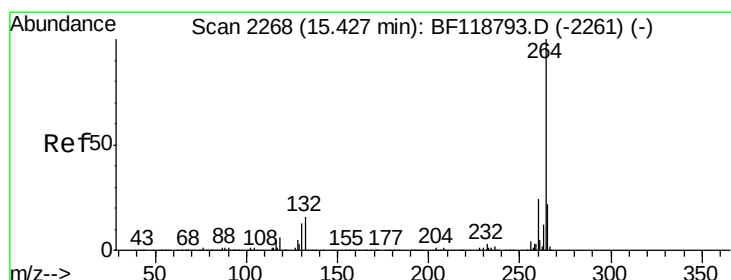
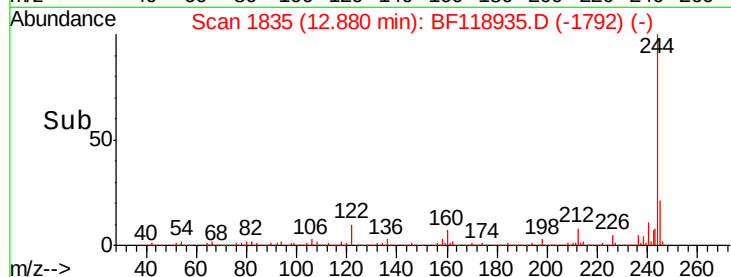
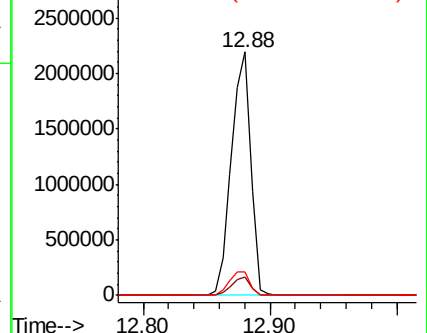
122 9.7 8.9 13.3



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: 15.36 min Scan# 2256

Delta R.T. -0.07 min

Lab File: BF118935.D

Acq: 14 Feb 2020 16:50

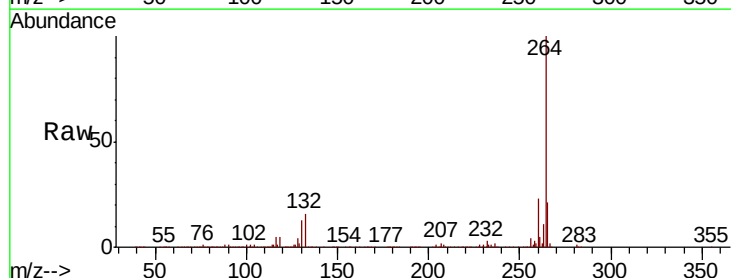
Tgt Ion:264 Resp: 625612

Ion Ratio Lower Upper

264 100

260 23.5 19.1 28.7

265 21.5 17.2 25.8



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

