

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040820\  
 Data File : BF119864.D  
 Acq On : 9 Apr 2020 9:54  
 Operator : MA/SJ  
 Sample : L2143-01  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FORMER-OLDEN-AVE-SUB

Quant Time: Apr 09 10:33:53 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 09 01:21:19 2020  
 Response via : Initial Calibration

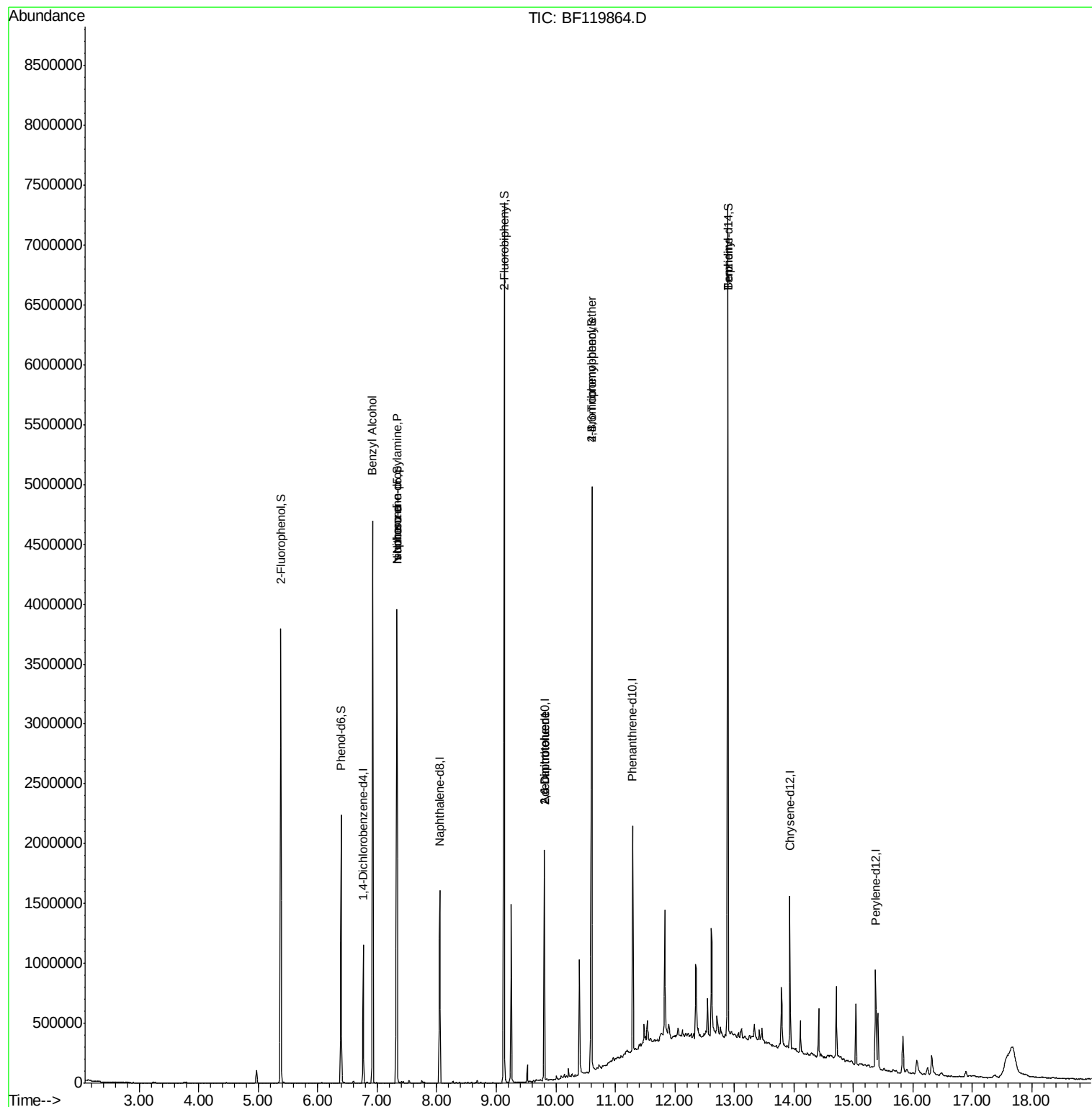
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|--------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.76  | 152  | 172060   | 20.00     | ng     | 0.00     |
| 21) Naphthalene-d8             | 8.05  | 136  | 703683   | 20.00     | ng     | 0.00     |
| 39) Acenaphthene-d10           | 9.81  | 164  | 386781   | 20.00     | ng     | 0.00     |
| 64) Phenanthrene-d10           | 11.29 | 188  | 708196   | 20.00     | ng     | 0.00     |
| 76) Chrysene-d12               | 13.94 | 240  | 470250   | 20.00     | ng     | 0.00     |
| 87) Perylene-d12               | 15.37 | 264  | 375934   | 20.00     | ng     | 0.00     |
| System Monitoring Compounds    |       |      |          |           |        |          |
| 5) 2-Fluorophenol              | 5.38  | 112  | 939117   | 94.33     | ng     | 0.00     |
| 7) Phenol-d6                   | 6.40  | 99   | 767990   | 59.86     | ng     | 0.00     |
| 23) Nitrobenzene-d5            | 7.33  | 82   | 1426026  | 104.84    | ng     | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.60 | 330  | 639998   | 135.15    | ng     | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.13  | 172  | 2660565  | 97.66     | ng     | 0.00     |
| 79) Terphenyl-d14              | 12.89 | 244  | 2845036  | 101.80    | ng     | 0.00     |
| Target Compounds               |       |      |          |           |        |          |
| 9) Benzaldehyde                | 6.31  | 77   | 138      | Below Cal | Qvalue | # 44     |
| 15) Benzyl Alcohol             | 6.92  | 79   | 20283    | 2.036 ng  | #      | 45       |
| 19) n-Nitroso-di-n-propylamine | 7.33  | 70   | 189838   | 23.012 ng | #      | 77       |
| 25) Isophorone                 | 7.33  | 82   | 1417580  | 54.063 ng | #      | 65       |
| 51) 2,6-Dinitrotoluene         | 9.81  | 165  | 50667    | 7.734 ng  | #      | 19       |
| 57) 2,4-Dinitrotoluene         | 9.81  | 165  | 50667    | 5.870 ng  | #      | 23       |
| 67) 4-Bromophenyl-phenylether  | 10.60 | 248  | 38302    | 4.349 ng  | #      | 1        |
| 77) Benzidine                  | 12.89 | 184  | 35380    | 2.226 ng  |        | 94       |

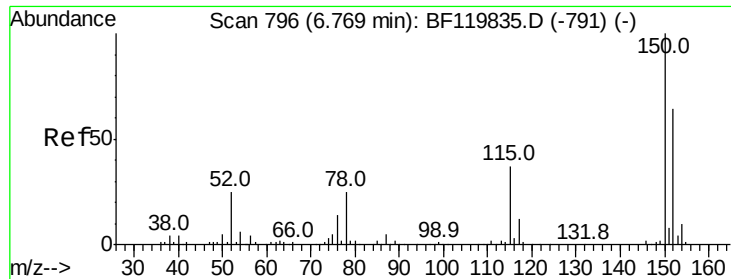
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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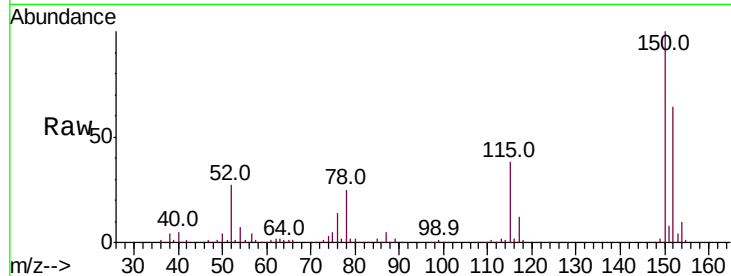


#1

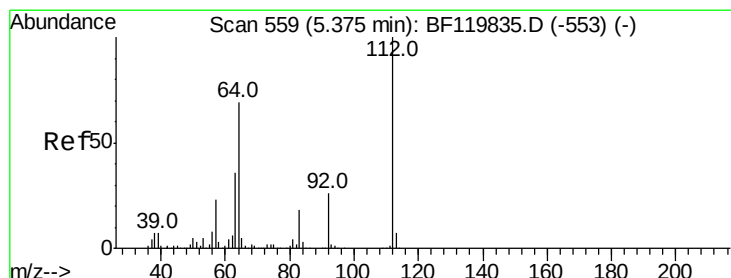
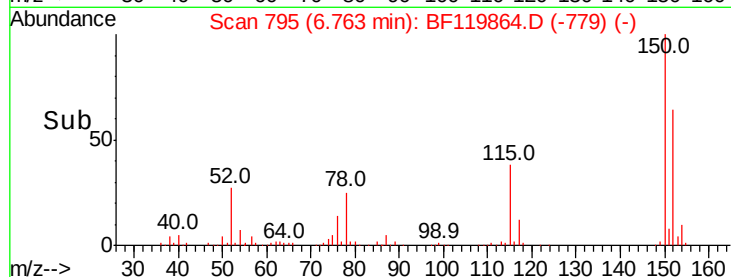
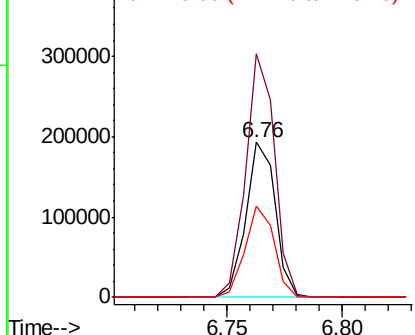
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.76 min Scan# 795  
Delta R.T. -0.01 min  
Lab File: BF119864.D  
Acq: 9 Apr 2020 9:54

Instrument :  
BNA\_F  
ClientSampleId :  
FORMER-OLDEN-AVE-SUB

Tot Ion:152 Resp: 172060  
Ion Ratio Lower Upper  
152 100  
150 156.8 124.8 187.2  
115 59.2 46.5 69.7



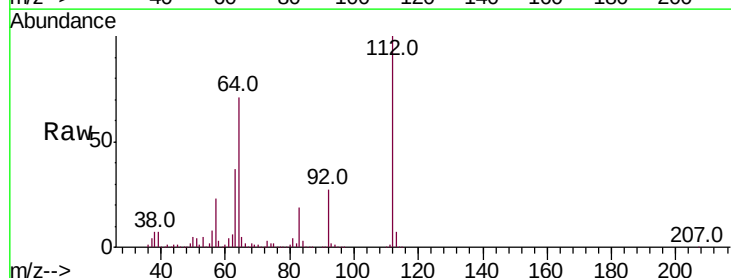
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



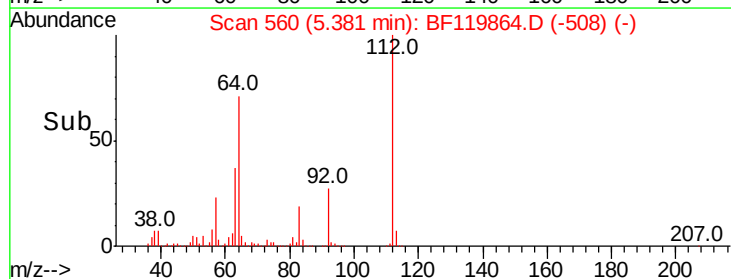
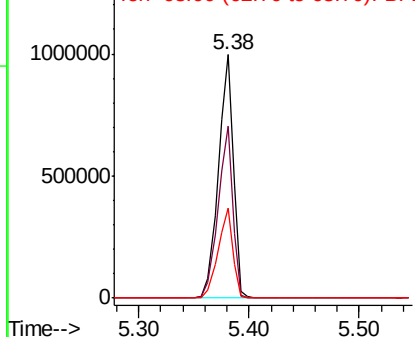
#5

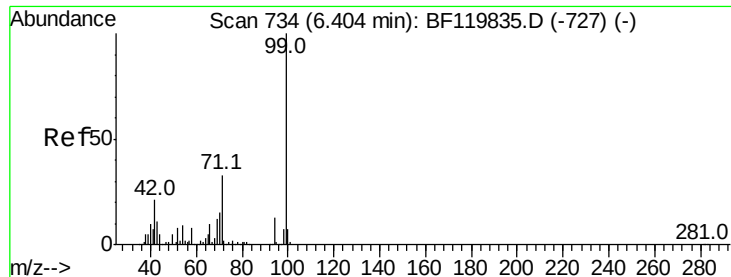
2-Fluorophenol  
Concen: 94.326 ng  
RT: 5.38 min Scan# 560  
Delta R.T. 0.01 min  
Lab File: BF119864.D  
Acq: 9 Apr 2020 9:54

Tgt Ion:112 Resp: 939117  
Ion Ratio Lower Upper  
112 100  
64 70.8 55.5 83.3  
63 36.7 29.1 43.7



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: 59.864 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119864.D

Acq: 9 Apr 2020 9:54

Instrument :

BNA\_F

ClientSampleId :

FORMER-OLDEN-AVE-SUB

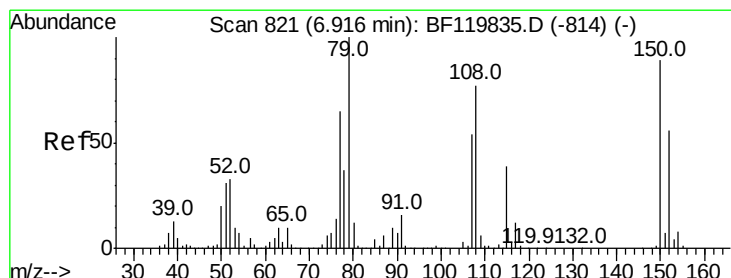
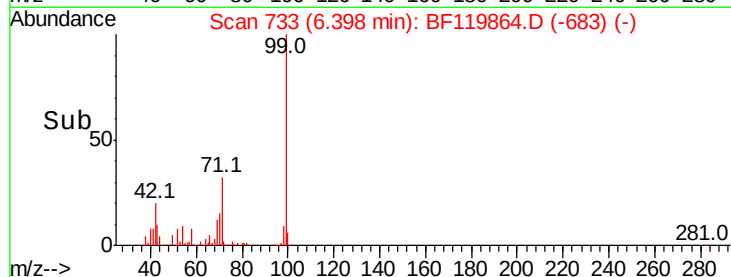
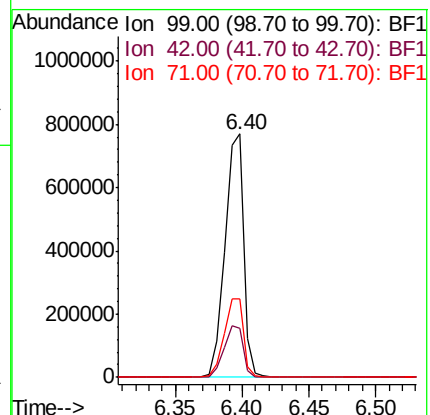
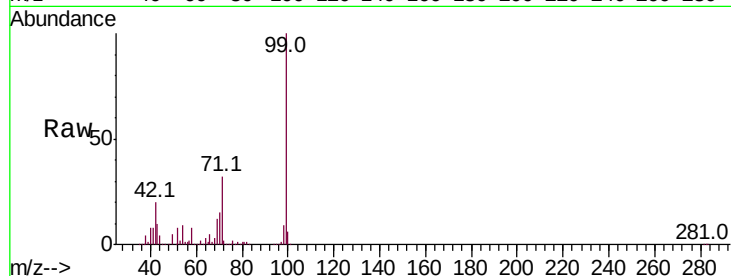
Tot Ion: 99 Resp: 767990

Ion Ratio Lower Upper

99 100

42 20.4 16.9 25.3

71 32.5 26.3 39.5



#15

Benzyl Alcohol

Concen: 2.036 ng

RT: 6.92 min Scan# 822

Delta R.T. 0.01 min

Lab File: BF119864.D

Acq: 9 Apr 2020 9:54

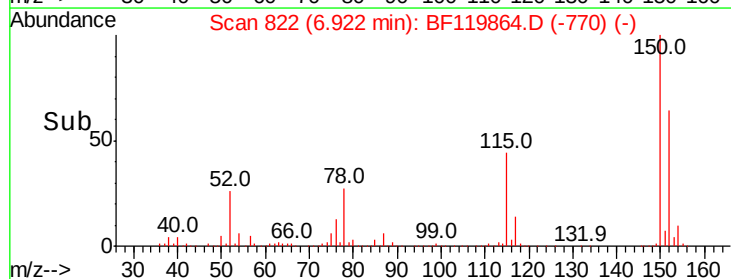
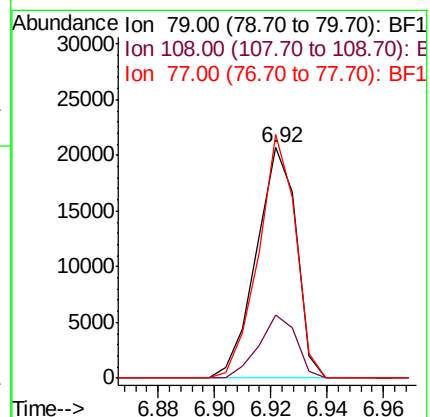
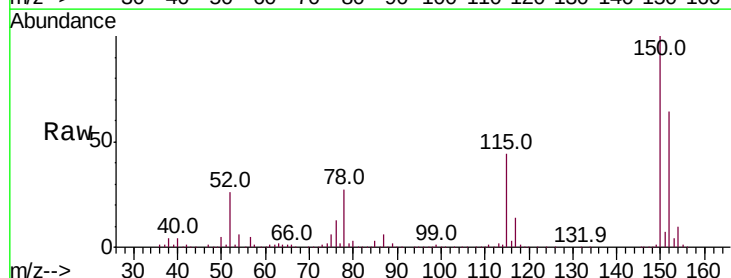
Tgt Ion: 79 Resp: 20283

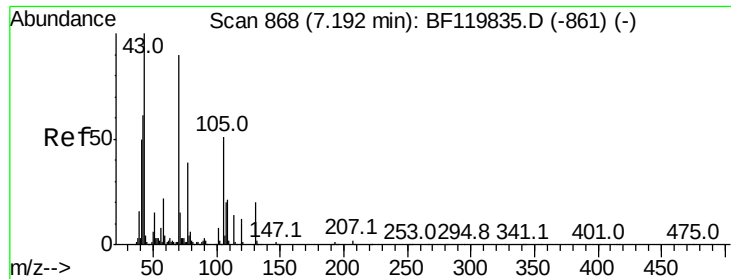
Ion Ratio Lower Upper

79 100

108 27.2 62.0 93.0#

77 105.6 51.8 77.6#

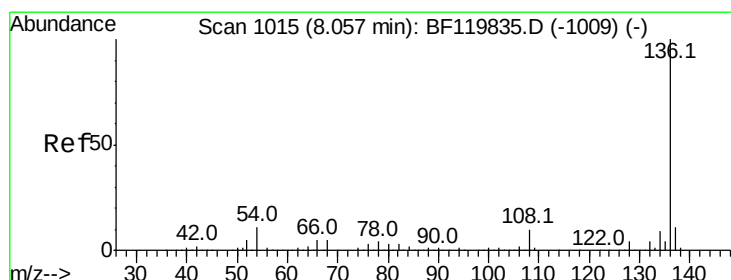
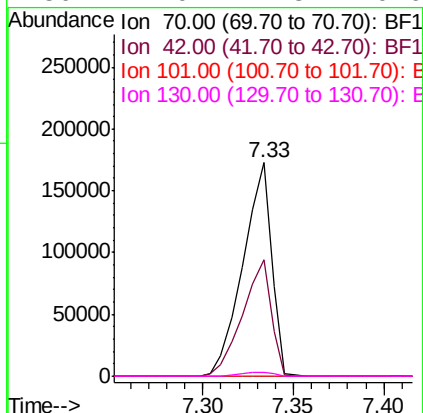
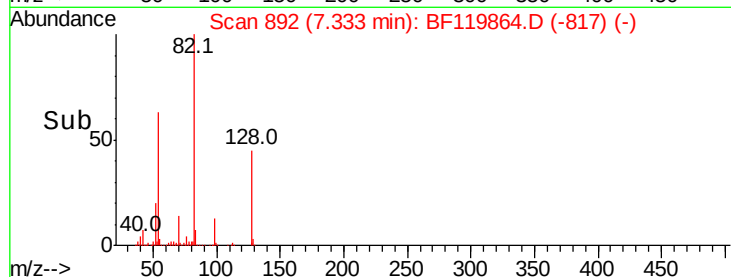
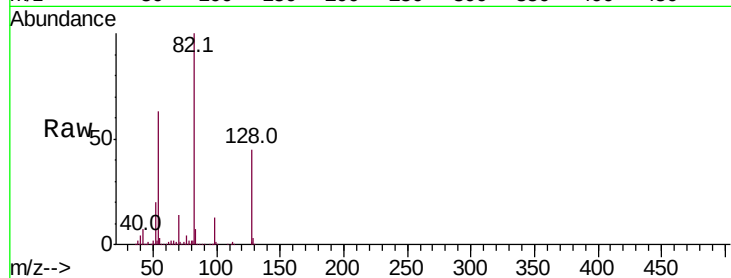




#19  
n-Nitroso-di-n-propylamine  
Concen: 23.012 ng  
RT: 7.33 min Scan# 892  
Delta R.T. 0.14 min  
Lab File: BF119864.D  
Acq: 9 Apr 2020 9:54

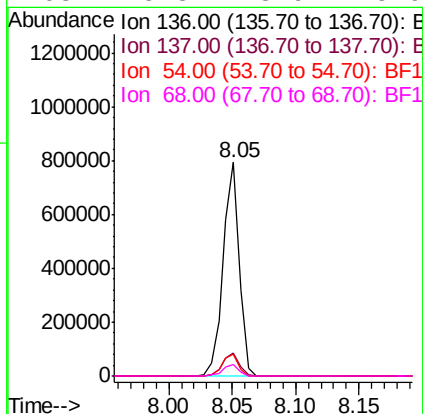
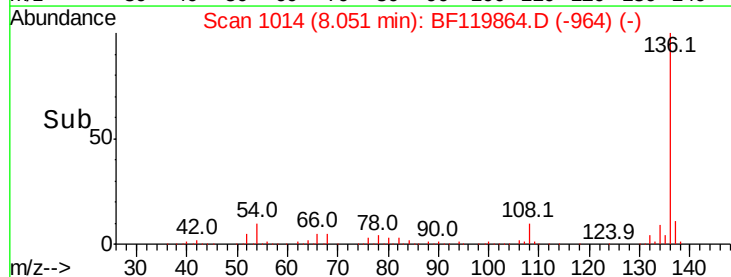
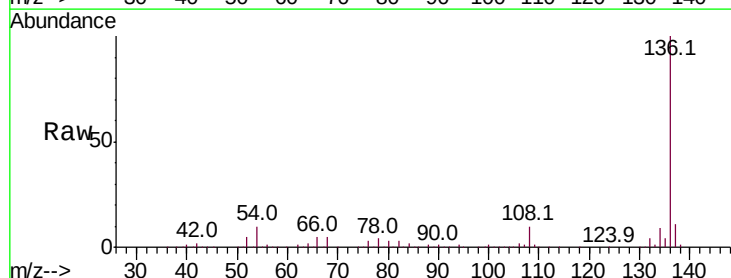
Instrument :  
BNA\_F  
ClientSampleId :  
FORMER-OLDEN-AVE-SUB

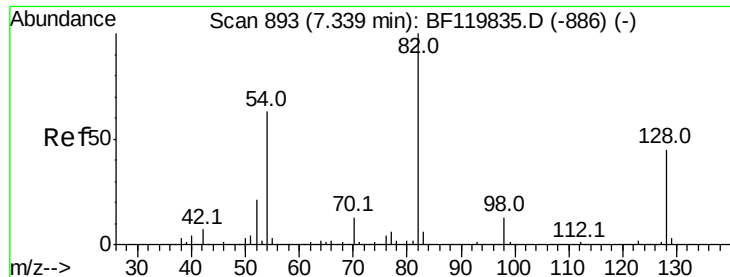
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 189838 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 54.6  | 54.2  | 81.4   |
| 101      | 0.0   | 7.4   | 11.2#  |
| 130      | 2.0   | 17.8  | 26.6#  |



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.05 min Scan# 1014  
Delta R.T. -0.01 min  
Lab File: BF119864.D  
Acq: 9 Apr 2020 9:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 703683 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.9  | 8.7   | 13.1   |
| 54       | 10.3  | 8.5   | 12.7   |
| 68       | 5.3   | 3.9   | 5.9    |

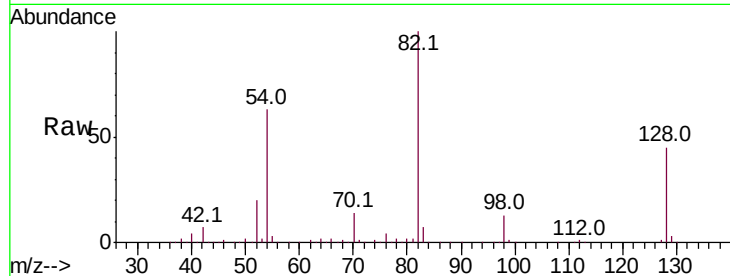




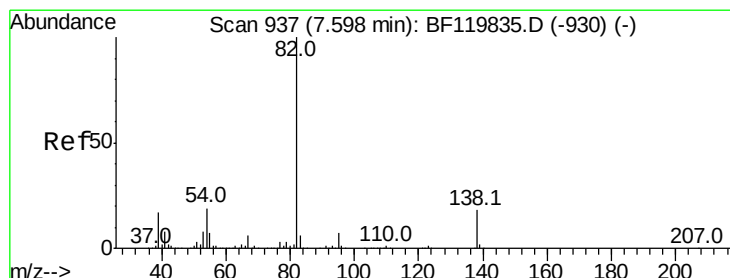
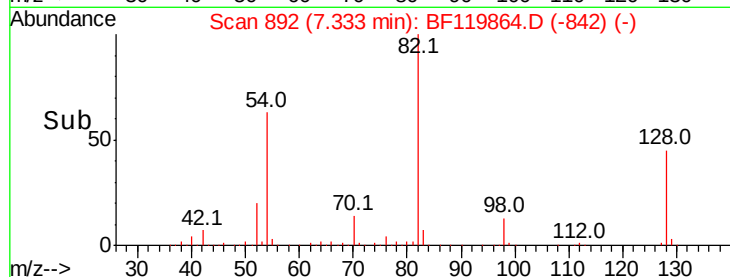
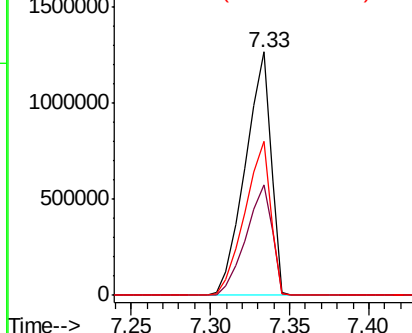
#23  
Nitrobenzene-d5  
Concen: 104.839 ng  
RT: 7.33 min Scan# 892  
Delta R.T. -0.01 min  
Lab File: BF119864.D  
Acq: 9 Apr 2020 9:54

Instrument :  
BNA\_F  
ClientSampleId :  
FORMER-OLDEN-AVE-SUB

Tot Ion: 82 Resp: 1426026  
Ion Ratio Lower Upper  
82 100  
128 45.3 36.2 54.4  
54 63.5 50.4 75.6

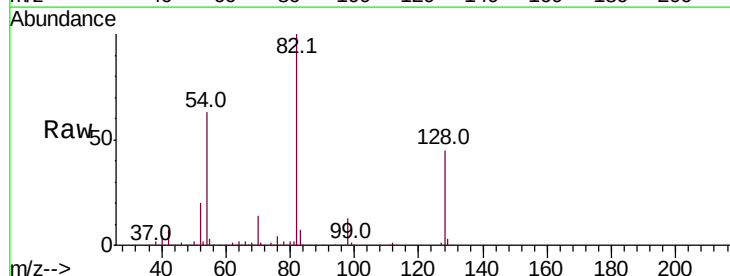


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

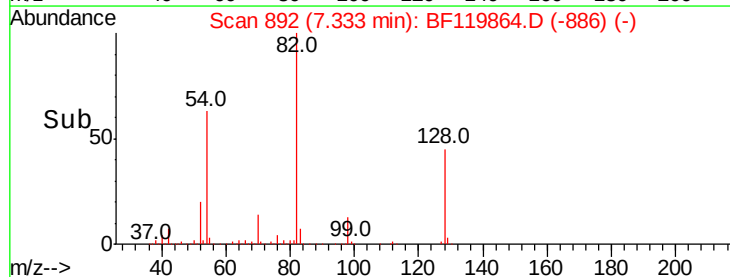
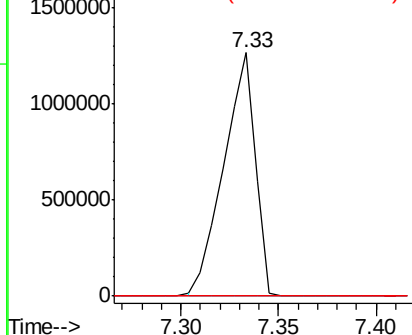


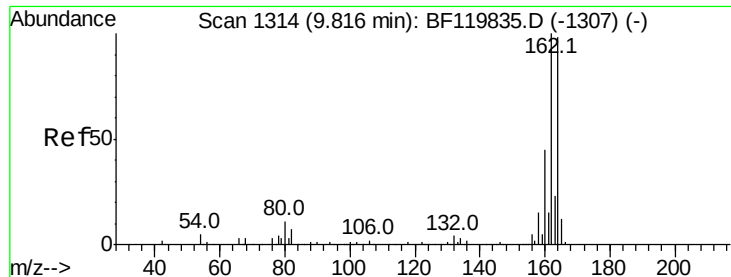
#25  
Isophorone  
Concen: 54.063 ng  
RT: 7.33 min Scan# 892  
Delta R.T. -0.26 min  
Lab File: BF119864.D  
Acq: 9 Apr 2020 9:54

Tgt Ion: 82 Resp: 1417580  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.8 8.6#  
138 0.0 14.5 21.7#



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

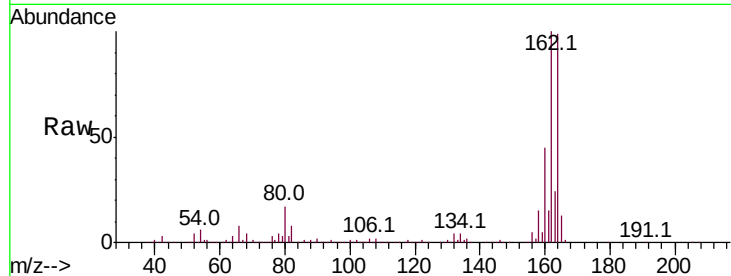




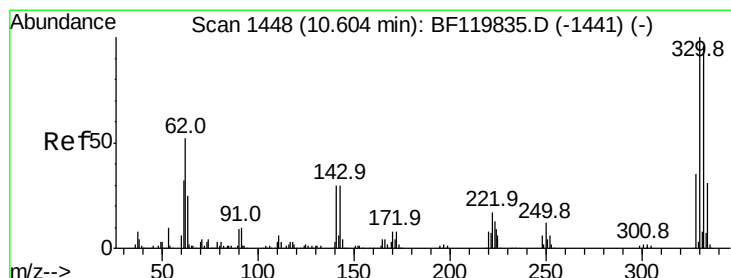
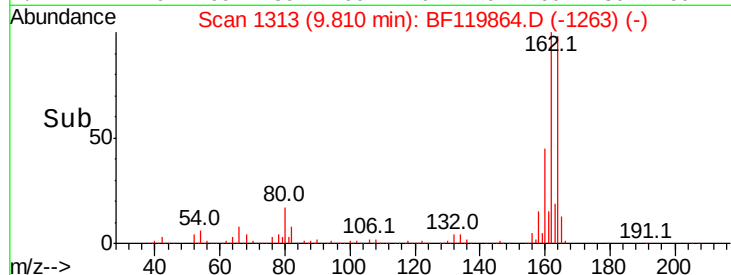
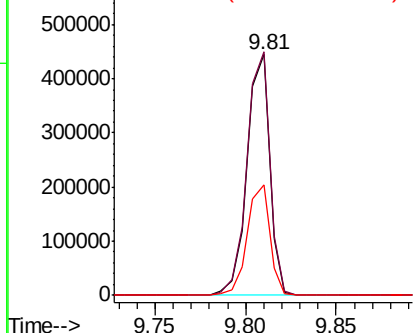
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.81 min Scan# 1313  
Delta R.T. -0.01 min  
Lab File: BF119864.D  
Acq: 9 Apr 2020 9:54

Instrument :  
BNA\_F  
ClientSampleId :  
FORMER-OLDEN-AVE-SUB

Tot Ion:164 Resp: 386781  
Ion Ratio Lower Upper  
164 100  
162 101.1 81.9 122.9  
160 45.7 36.6 54.8

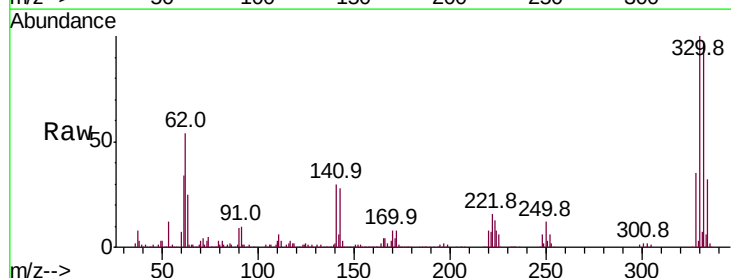


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

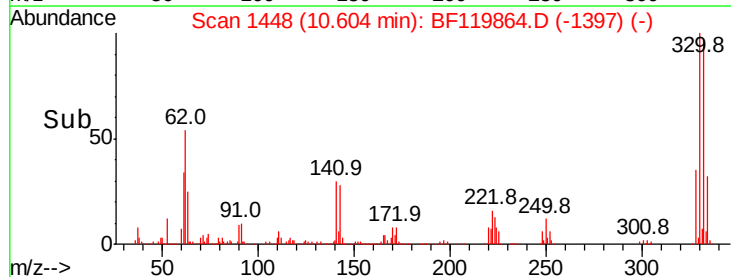
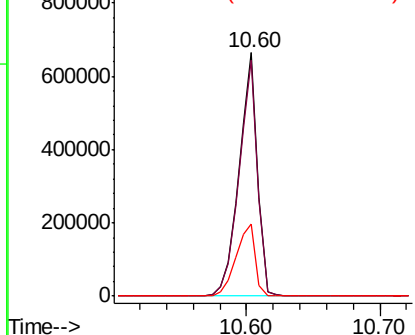


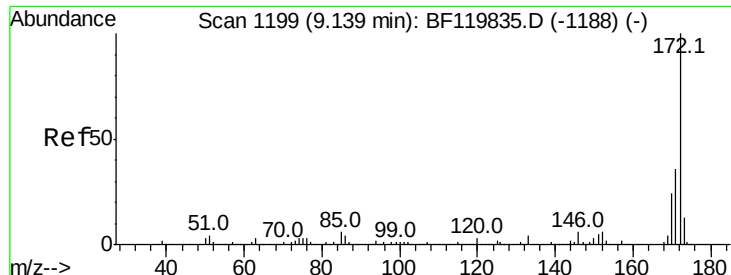
#42  
2,4,6-Tribromophenol  
Concen: 135.149 ng  
RT: 10.60 min Scan# 1448  
Delta R.T. -0.00 min  
Lab File: BF119864.D  
Acq: 9 Apr 2020 9:54

Tgt Ion:330 Resp: 639998  
Ion Ratio Lower Upper  
330 100  
332 97.2 76.8 115.2  
141 31.4 25.1 37.7



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



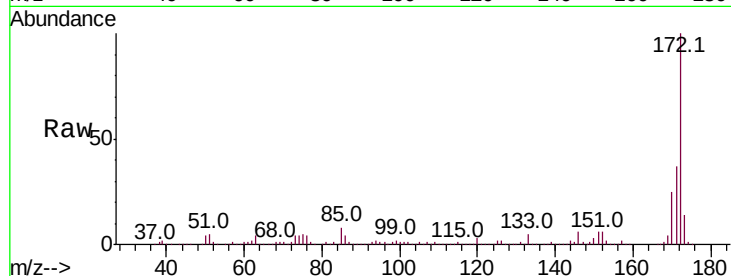


#45  
 2-Fluorobiphenyl  
 Concen: 97.663 ng  
 RT: 9.13 min Scan# 1198  
 Delta R.T. -0.01 min  
 Lab File: BF119864.D  
 Acq: 9 Apr 2020 9:54

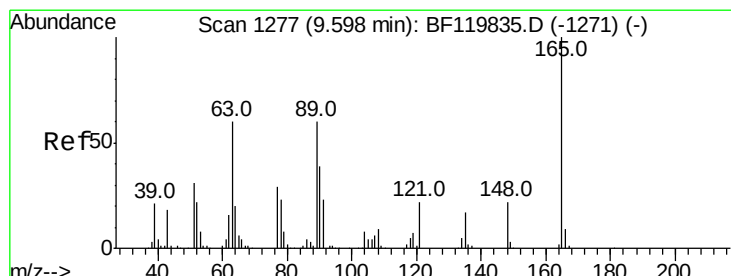
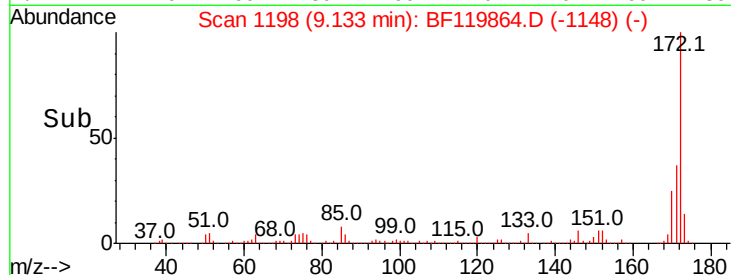
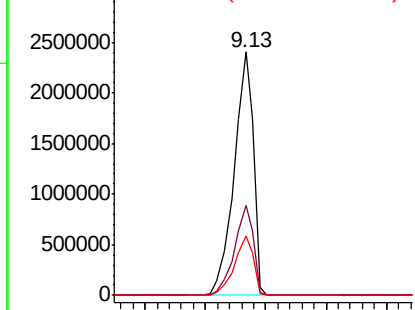
Instrument :  
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 FORMER-OLDEN-AVE-SUB

Tot Ion:172 Resp: 2660565  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 37.0  | 28.9  | 43.3  |
| 170 | 24.6  | 19.4  | 29.2  |



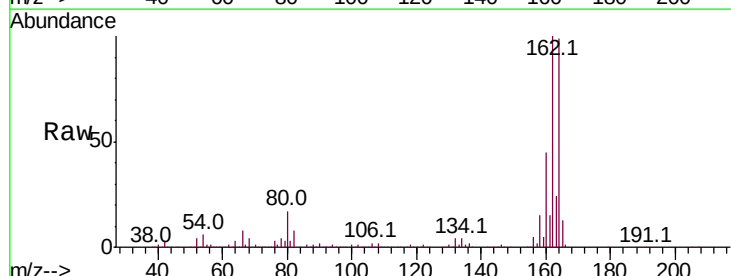
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



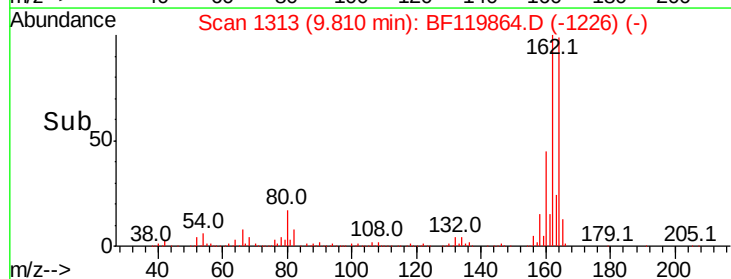
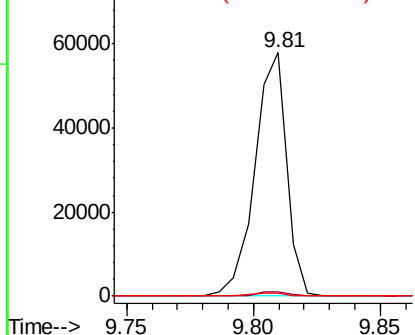
#51  
 2,6-Dinitrotoluene  
 Concen: 7.734 ng  
 RT: 9.81 min Scan# 1313  
 Delta R.T. 0.21 min  
 Lab File: BF119864.D  
 Acq: 9 Apr 2020 9:54

Tgt Ion:165 Resp: 50667  

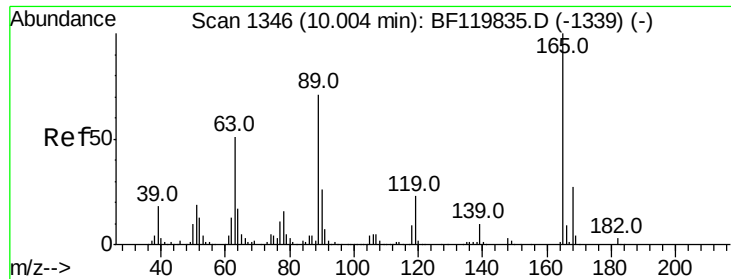
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 1.5   | 55.6  | 83.4# |
| 89  | 1.2   | 47.9  | 71.9# |



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



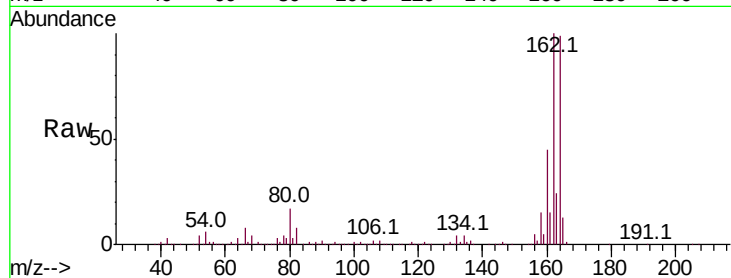




#57  
 2,4-Dinitrotoluene  
 Concen: 5.870 ng  
 RT: 9.81 min Scan# 1313  
 Delta R.T. -0.19 min  
 Lab File: BF119864.D  
 Acq: 9 Apr 2020 9:54

Instrument :  
 BNA\_F  
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 FORMER-OLDEN-AVE-SUB

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.5   | 40.8  | 61.2# |
| 89      | 1.2   | 56.9  | 85.3# |
| 182     | 0.0   | 2.0   | 3.0#  |

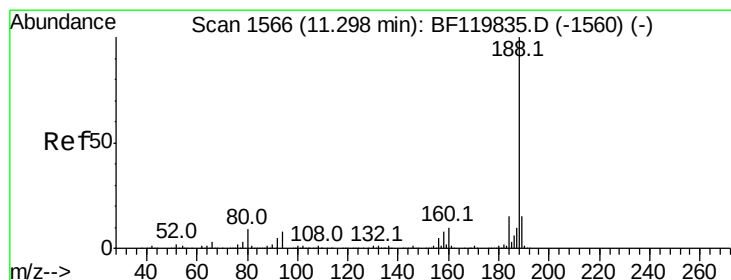
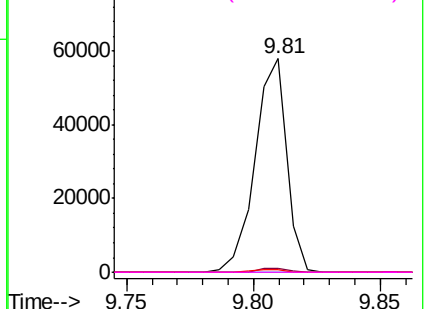
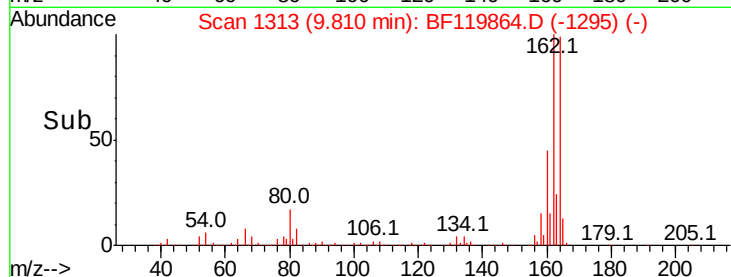


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

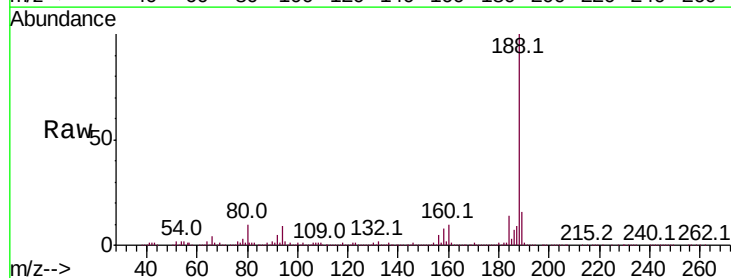
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.29 min Scan# 1565  
 Delta R.T. -0.01 min  
 Lab File: BF119864.D  
 Acq: 9 Apr 2020 9:54

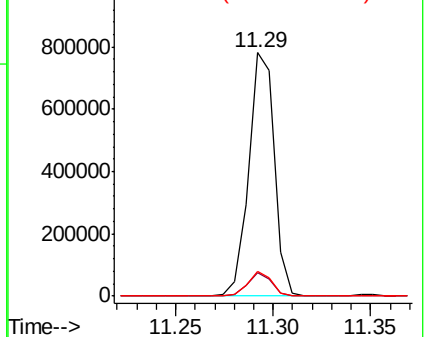
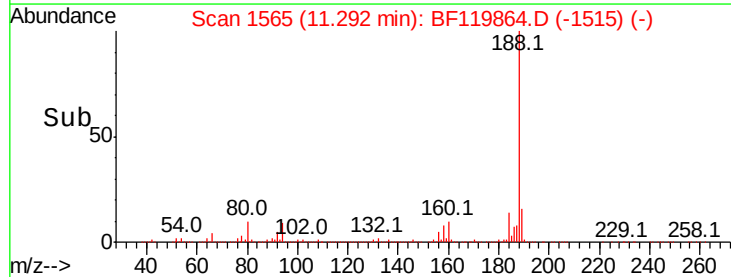
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.5   | 6.7   | 10.1  |
| 80      | 10.3  | 7.4   | 11.2  |

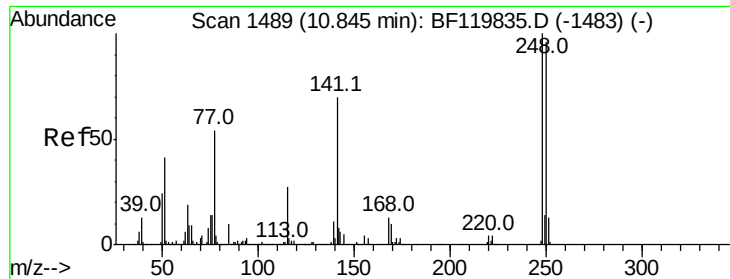


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

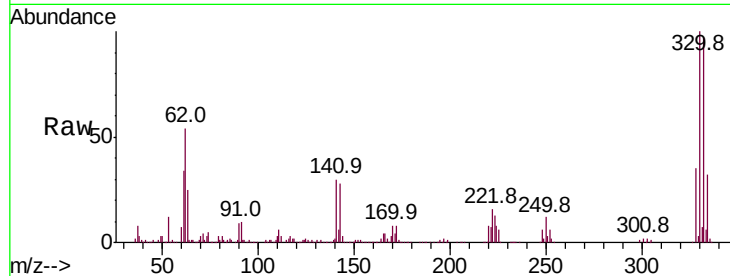




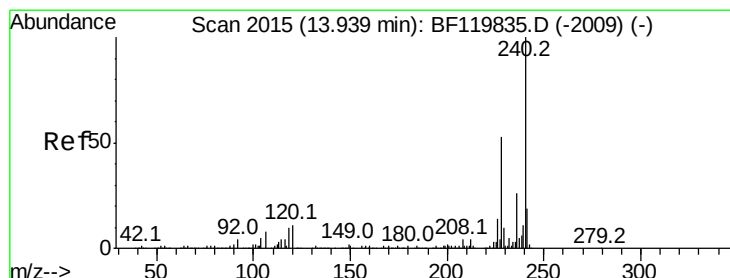
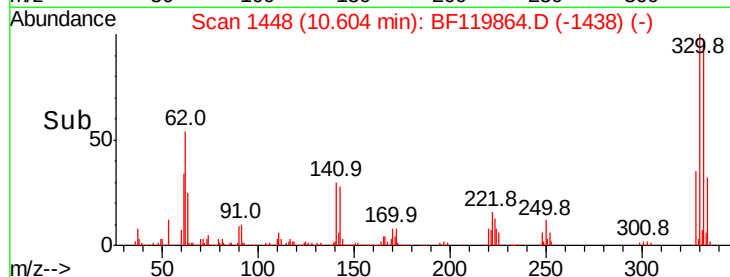
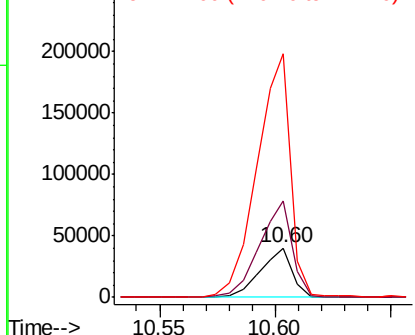
#67  
 4-Bromophenyl-phenylether  
 Concen: 4.349 ng  
 RT: 10.60 min Scan# 1448  
 Delta R.T. -0.24 min  
 Lab File: BF119864.D  
 Acq: 9 Apr 2020 9:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FORMER-OLDEN-AVE-SUB

Tot Ion:248 Resp: 38302  
 Ion Ratio Lower Upper  
 248 100  
 250 196.0 76.6 114.8#  
 141 496.6 55.9 83.9#

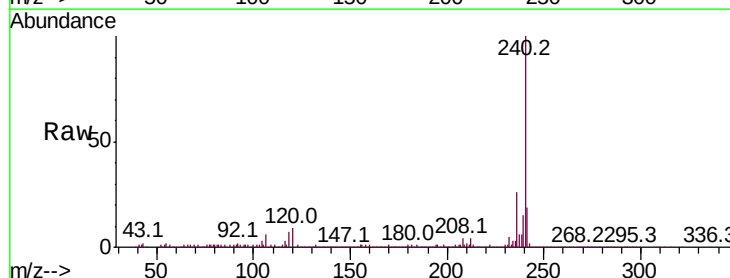


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

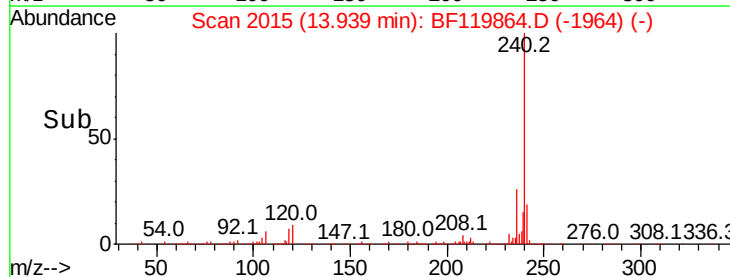
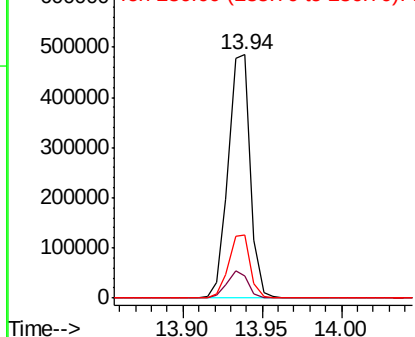


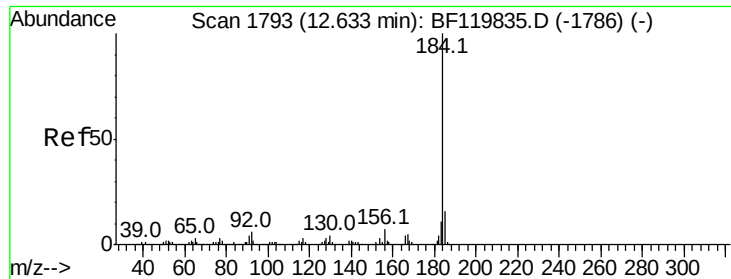
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.94 min Scan# 2015  
 Delta R.T. -0.00 min  
 Lab File: BF119864.D  
 Acq: 9 Apr 2020 9:54

Tgt Ion:240 Resp: 470250  
 Ion Ratio Lower Upper  
 240 100  
 120 9.1 9.0 13.6  
 236 26.1 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





#77

Benzidine

Concen: 2.226 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.26 min

Lab File: BF119864.D

Acq: 9 Apr 2020 9:54

Instrument :

BNA\_F

ClientSampleId :

FORMER-OLDEN-AVE-SUB

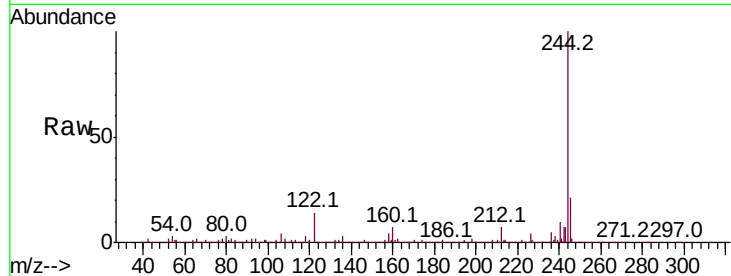
Tot Ion:184 Resp: 35380

Ion Ratio Lower Upper

184 100

185 19.5 13.2 19.8

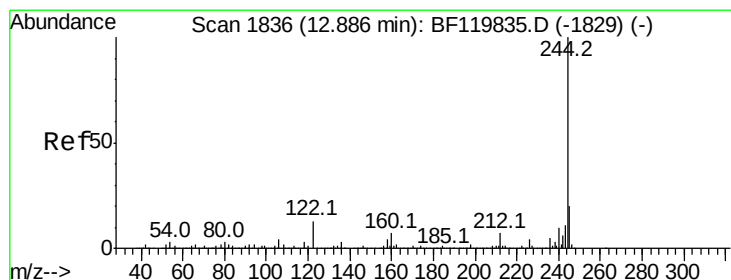
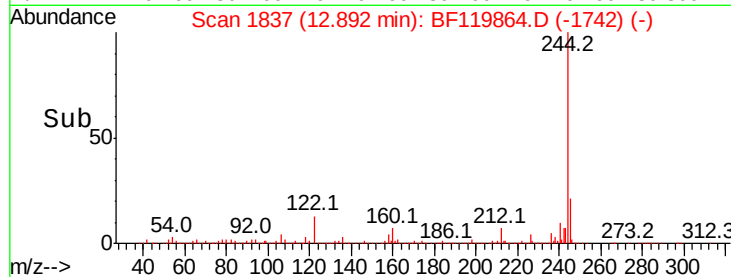
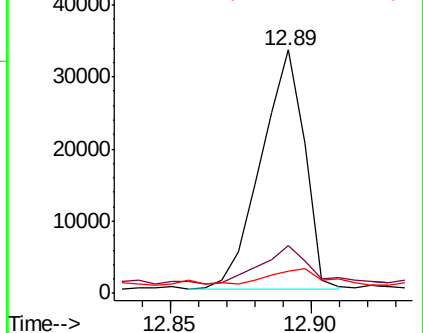
183 9.4 9.1 13.7



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 101.801 ng

RT: 12.89 min Scan# 1837

Delta R.T. 0.01 min

Lab File: BF119864.D

Acq: 9 Apr 2020 9:54

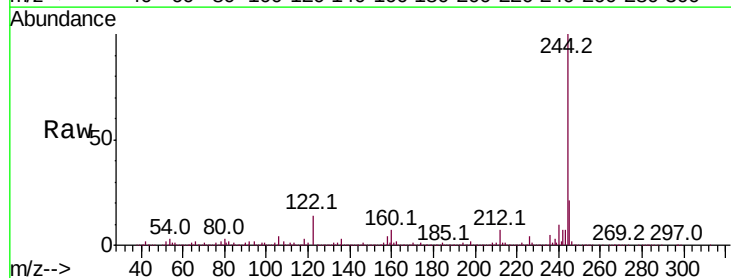
Tgt Ion:244 Resp: 2845036

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

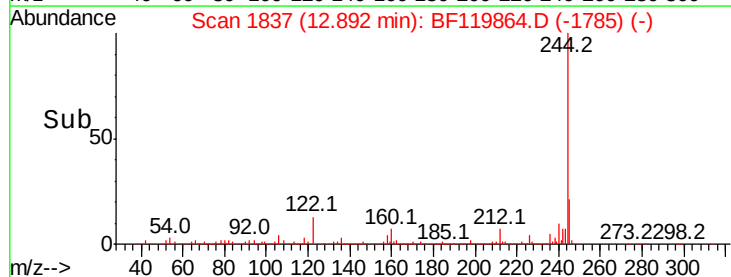
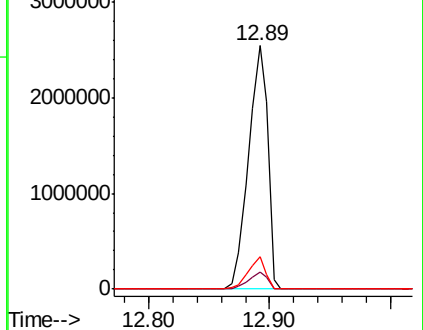
122 13.5 10.3 15.5

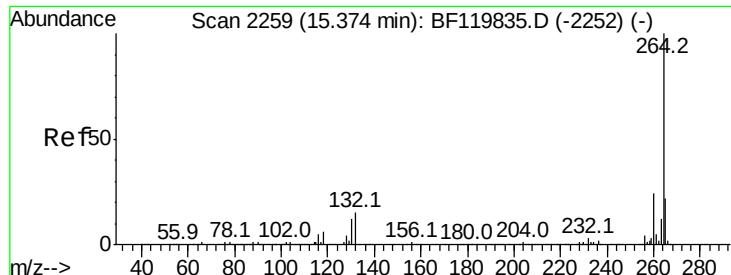


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

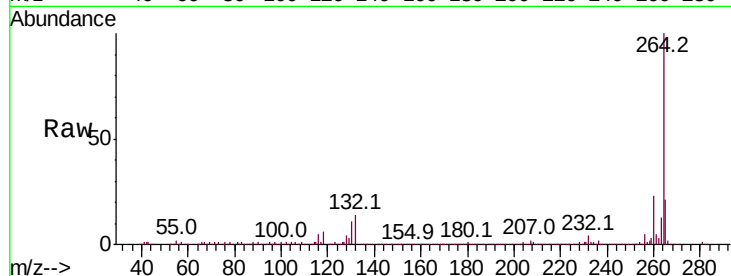




#87  
Pervlène-d12  
Concen: 20.000 ng  
RT: 15.37 min Scan# 2259  
Delta R.T. -0.00 min  
Lab File: BF119864.D  
Acq: 9 Apr 2020 9:54

Instrument :  
BNA\_F  
ClientSampleId :  
FORMER-OLDEN-AVE-SUB

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 375934 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 22.9  | 19.3  | 28.9   |
| 265      | 20.8  | 17.6  | 26.4   |



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

