

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031220\  
 Data File : BF119387.D  
 Acq On : 12 Mar 2020 18:34  
 Operator : CG/JU  
 Sample : L1752-04  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 13 01:46:45 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 06 23:38:46 2020  
 Response via : Initial Calibration

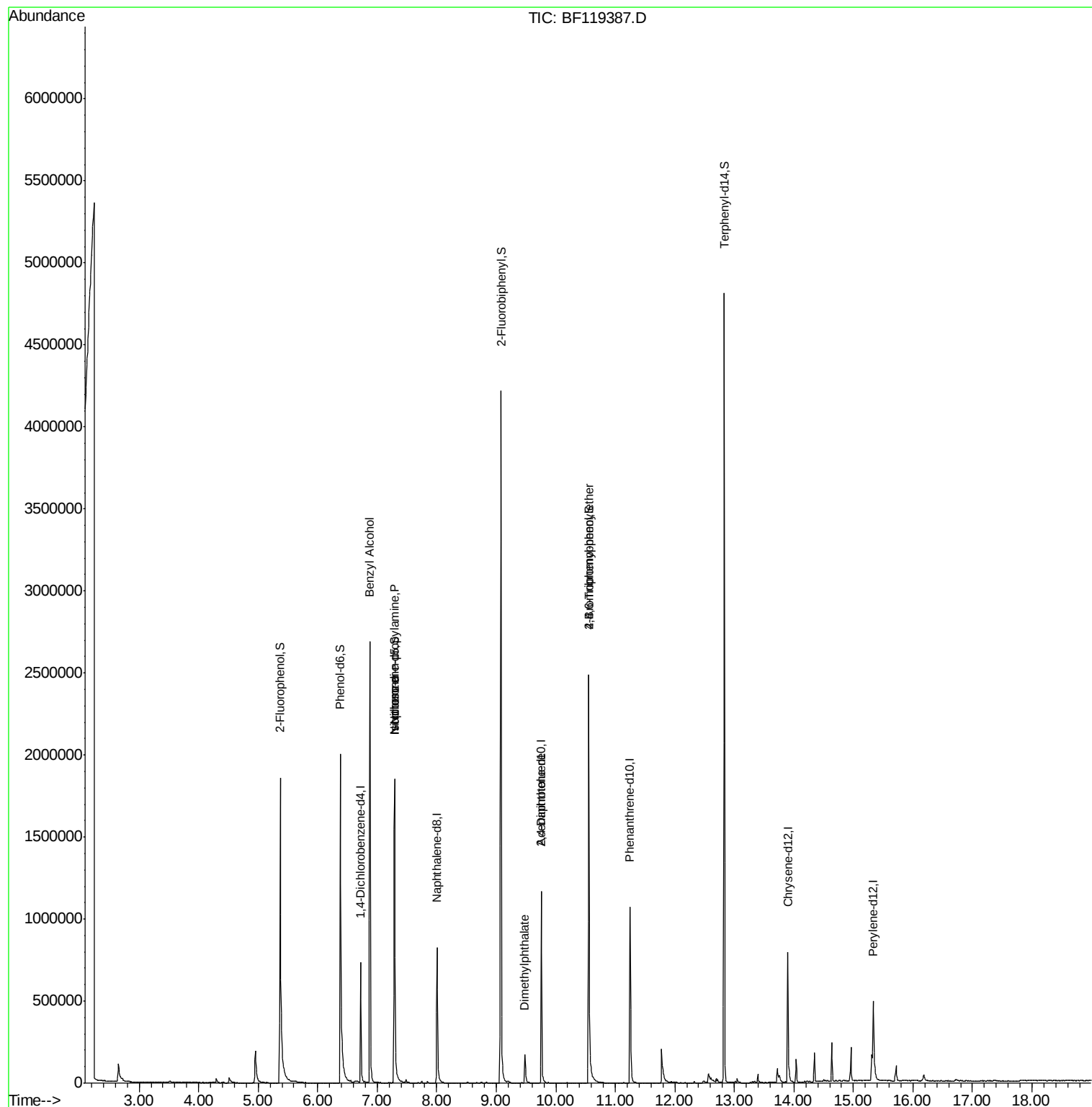
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 121265   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.00  | 136  | 465127   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.76  | 164  | 263195   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.25 | 188  | 517244   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.90 | 240  | 343772   | 20.00  | ng    | 0.01     |
| 87) Perylene-d12               | 15.33 | 264  | 307746   | 20.00  | ng    | 0.02     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.37  | 112  | 859264   | 118.42 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.38  | 99   | 965591   | 109.42 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.29  | 82   | 741892   | 84.22  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.56 | 330  | 424162   | 123.19 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.08  | 172  | 1474535  | 82.53  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.83 | 244  | 1729256  | 86.60  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 15) Benzyl Alcohol             | 6.87  | 79   | 13351    | 2.093  | ng    | # 52     |
| 19) n-Nitroso-di-n-propylamine | 7.29  | 70   | 103400   | 20.108 | ng    | # 76     |
| 25) Isophorone                 | 7.29  | 82   | 741892   | 48.493 | ng    | # 63     |
| 50) Dimethylphthalate          | 9.49  | 163  | 105045   | 5.219  | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 9.76  | 165  | 34022    | 5.870  | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether  | 10.56 | 248  | 27488    | 4.066  | ng    | # 1      |

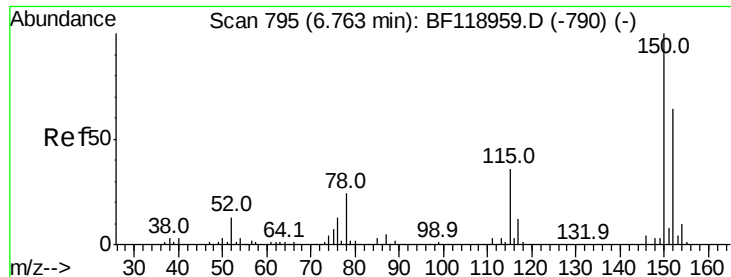
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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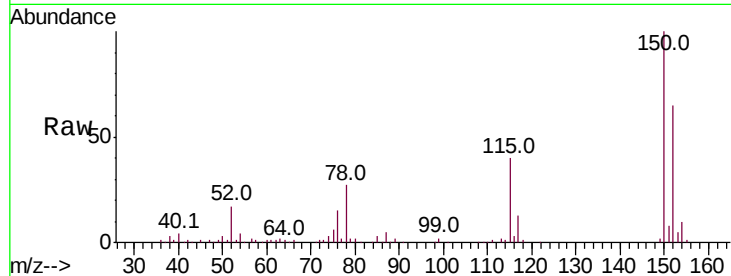


#1

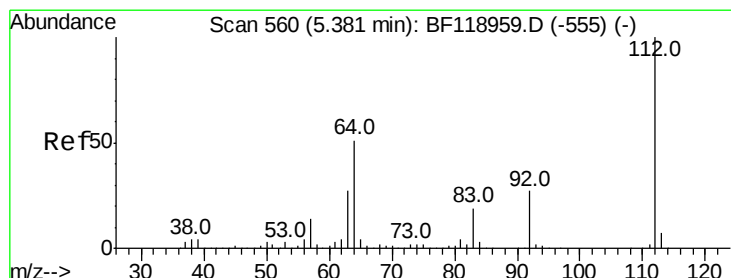
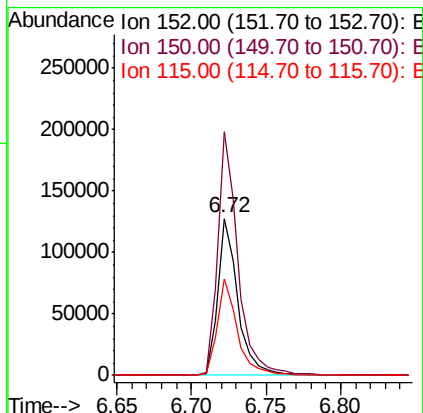
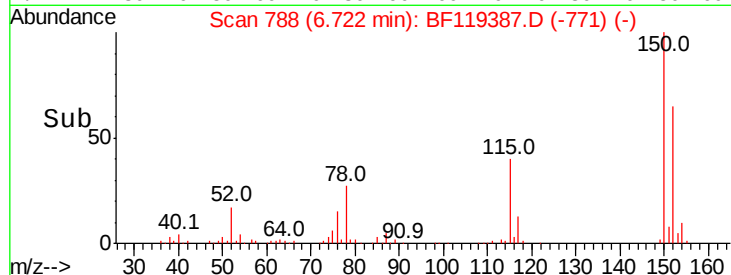
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 788  
Delta R.T. 0.00 min  
Lab File: BF119387.D  
Acq: 12 Mar 2020 18:34

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 121265  
Ion Ratio Lower Upper  
152 100  
150 155.0 123.0 184.6  
115 61.6 49.5 74.3



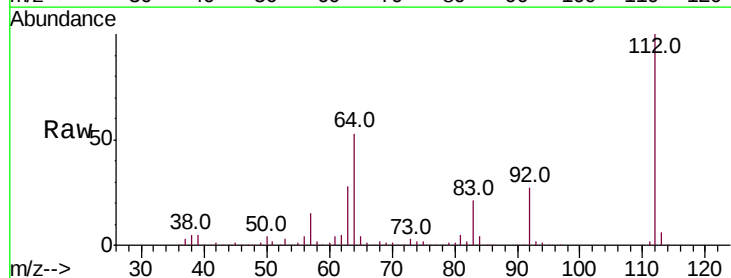
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



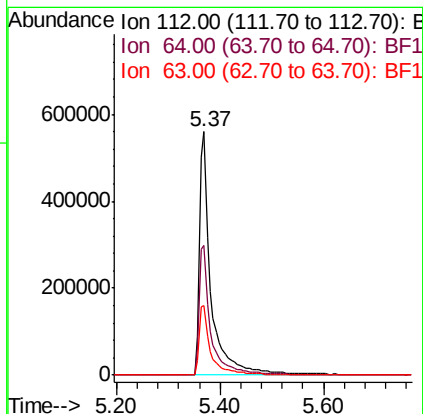
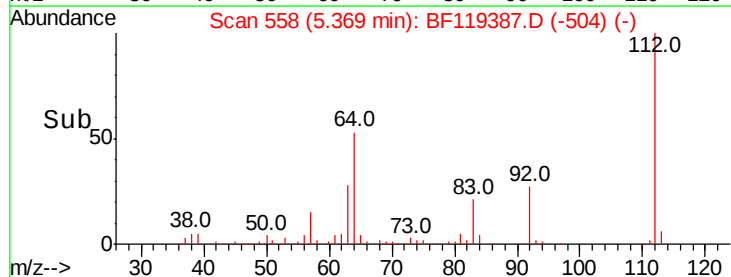
#5

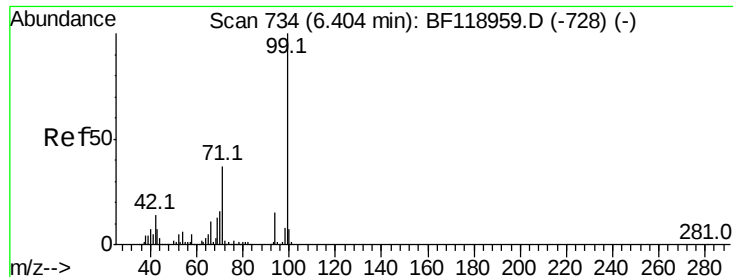
2-Fluorophenol  
Concen: 118.417 ng  
RT: 5.37 min Scan# 558  
Delta R.T. 0.02 min  
Lab File: BF119387.D  
Acq: 12 Mar 2020 18:34

Tgt Ion:112 Resp: 859264  
Ion Ratio Lower Upper  
112 100  
64 53.2 45.0 67.4  
63 28.4 24.2 36.4



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: 109.416 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119387.D

Acq: 12 Mar 2020 18:34

Instrument :

BNA\_F

ClientSampleId :

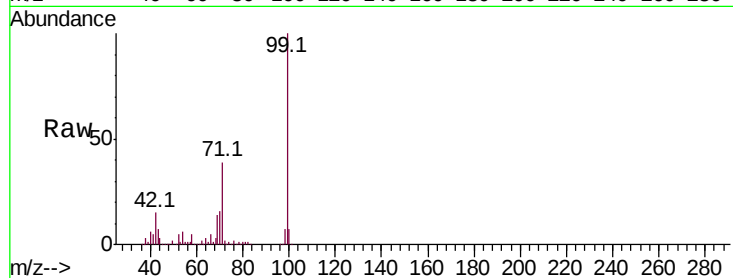
Tot Ion: 99 Resp: 965591

Ion Ratio Lower Upper

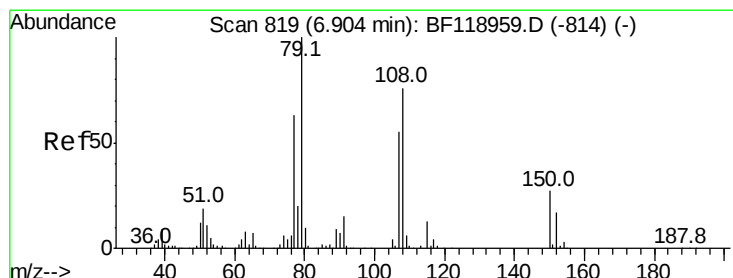
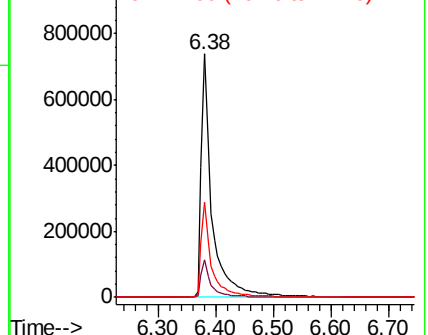
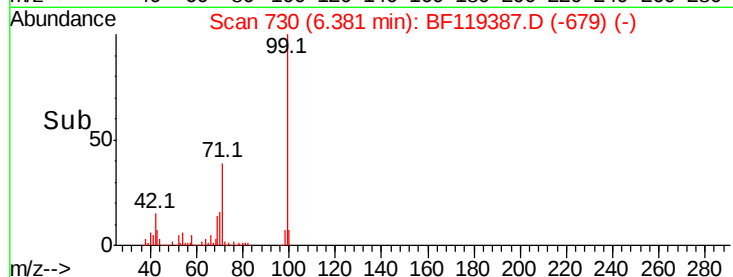
99 100

42 15.3 12.6 18.8

71 39.3 31.0 46.4



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: 2.093 ng

RT: 6.87 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF119387.D

Acq: 12 Mar 2020 18:34

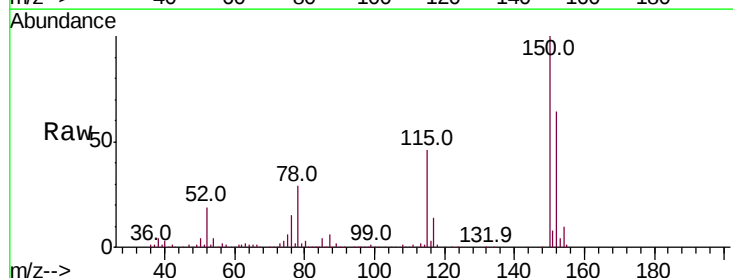
Tgt Ion: 79 Resp: 13351

Ion Ratio Lower Upper

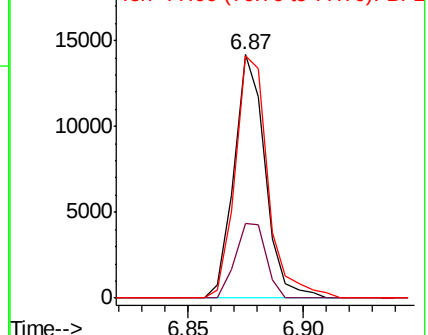
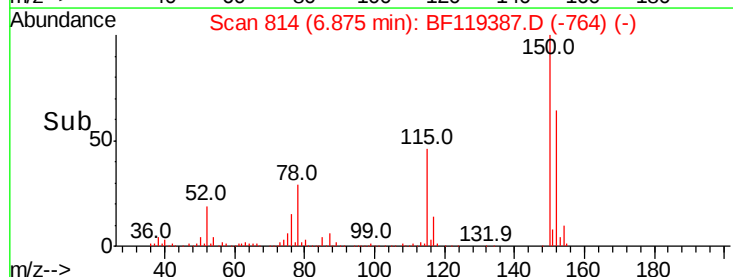
79 100

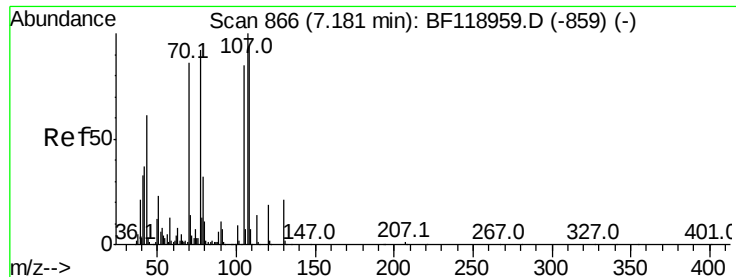
108 30.7 58.2 87.2#

77 99.4 51.2 76.8#



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

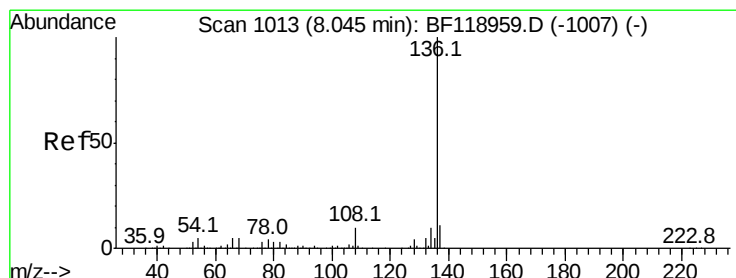
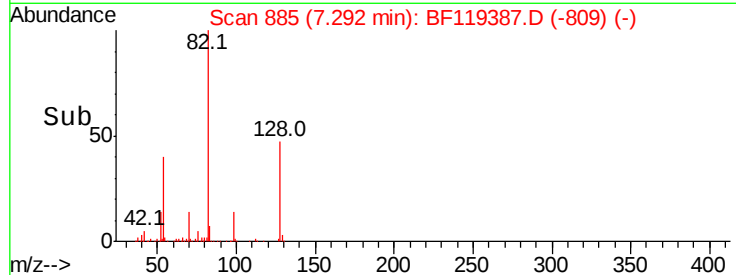
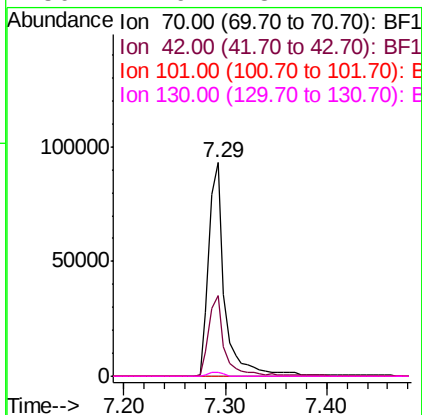
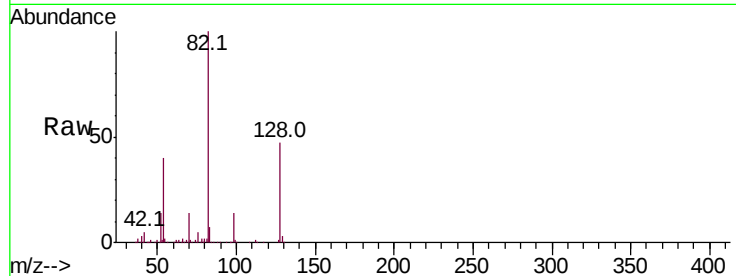




#19  
n-Nitroso-di-n-propylamine  
Concen: 20.108 ng  
RT: 7.29 min Scan# 885  
Delta R.T. 0.15 min  
Lab File: BF119387.D  
Acq: 12 Mar 2020 18:34

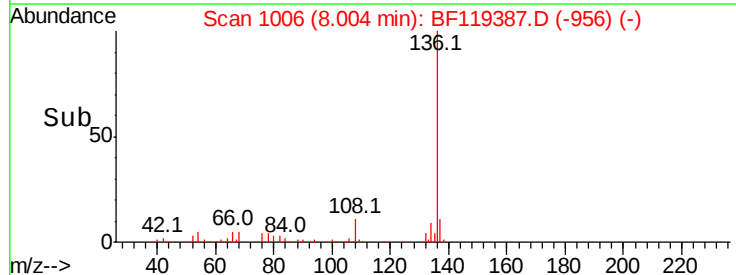
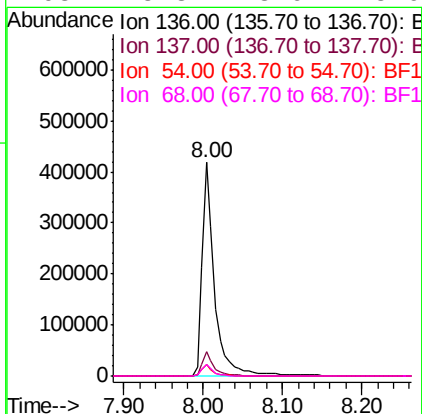
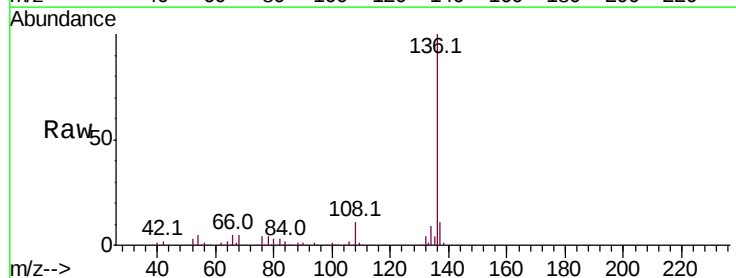
Instrument :  
BNA\_F  
ClientSampleId :

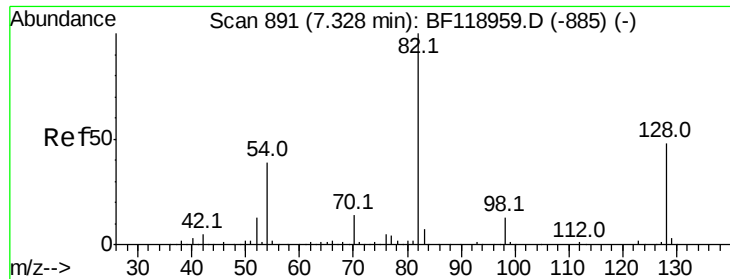
Tot Ion: 70 Resp: 103400  
Ion Ratio Lower Upper  
70 100  
42 37.8 38.0 57.0#  
101 0.0 8.2 12.4#  
130 1.9 18.2 27.4#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1006  
Delta R.T. -0.01 min  
Lab File: BF119387.D  
Acq: 12 Mar 2020 18:34

Tgt Ion: 136 Resp: 465127  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.8 13.2  
54 5.1 3.8 5.6  
68 5.3 3.9 5.9





#23

Nitrobenzene-d5

Concen: 84.218 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.00 min

Lab File: BF119387.D

Acq: 12 Mar 2020 18:34

Instrument :

BNA\_F

ClientSampled :

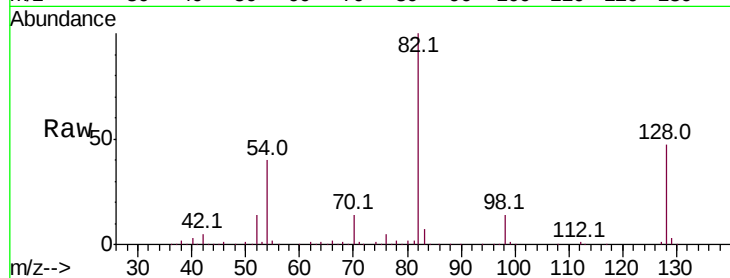
Tot Ion: 82 Resp: 741892

Ion Ratio Lower Upper

82 100

128 46.8 37.9 56.9

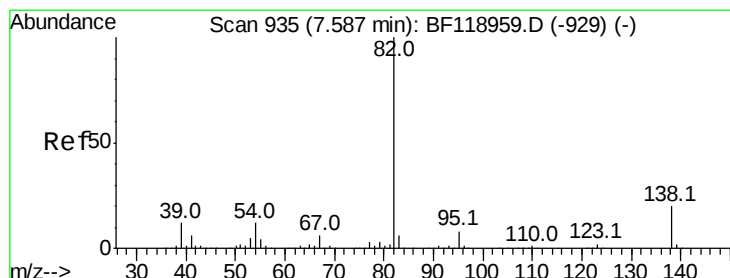
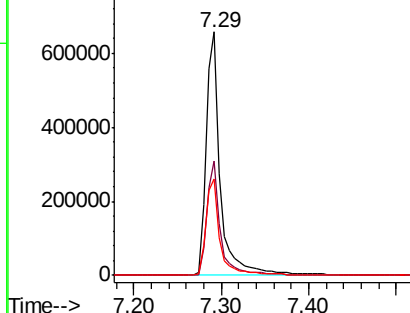
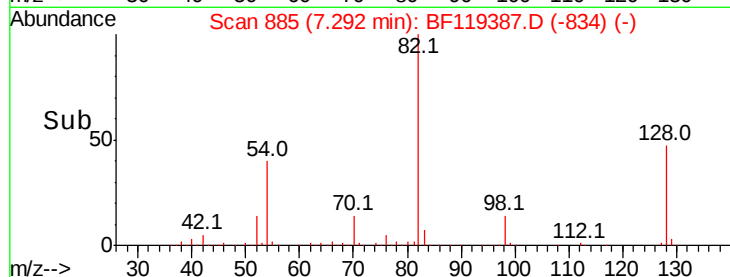
54 39.8 33.4 50.2



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



#25

Isophorone

Concen: 48.493 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.26 min

Lab File: BF119387.D

Acq: 12 Mar 2020 18:34

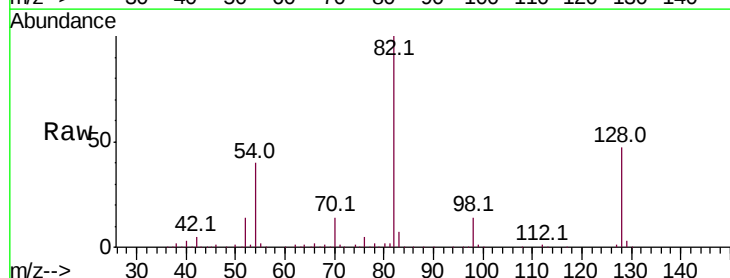
Tgt Ion: 82 Resp: 741892

Ion Ratio Lower Upper

82 100

95 0.0 6.4 9.6#

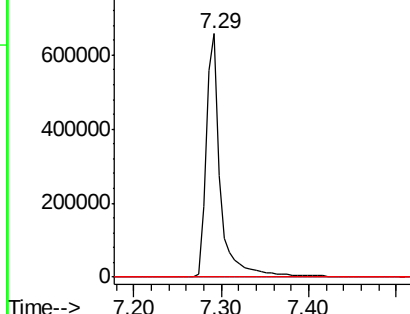
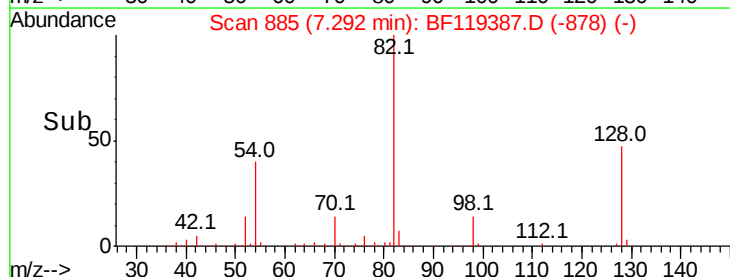
138 0.0 15.7 23.5#

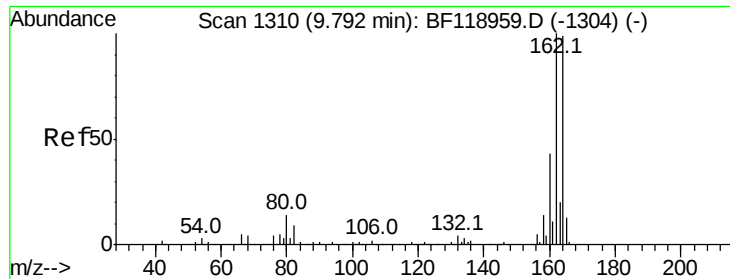


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

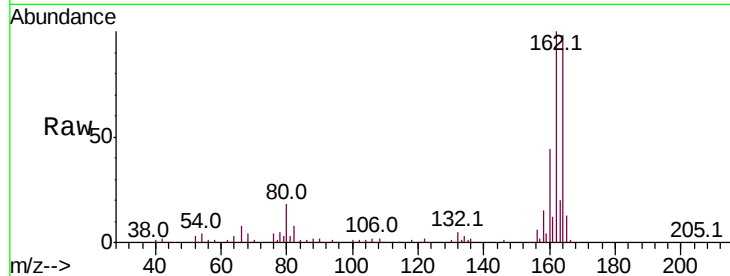




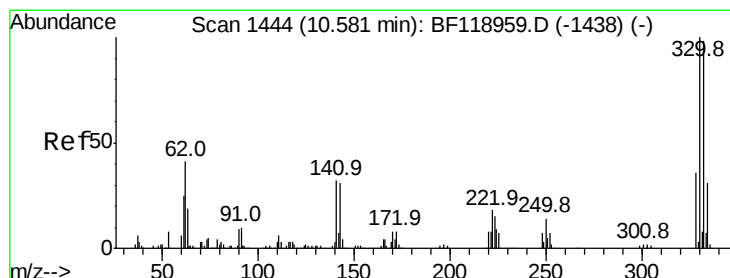
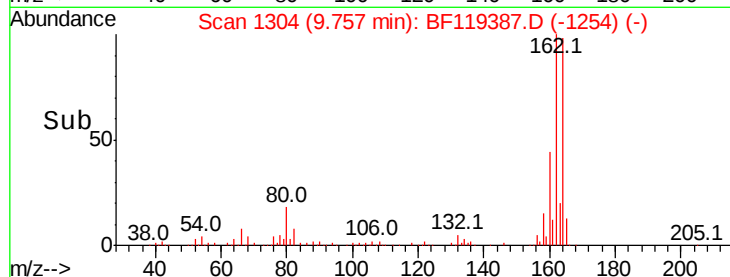
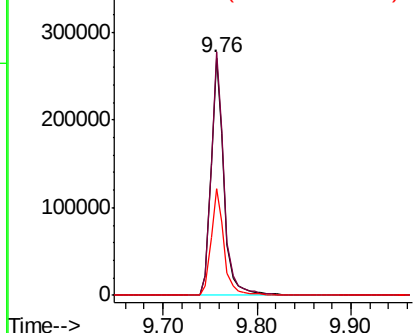
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.76 min Scan# 1304  
Delta R.T. -0.01 min  
Lab File: BF119387.D  
Acq: 12 Mar 2020 18:34

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 263195  
Ion Ratio Lower Upper  
164 100  
162 102.6 81.8 122.8  
160 44.8 36.0 54.0

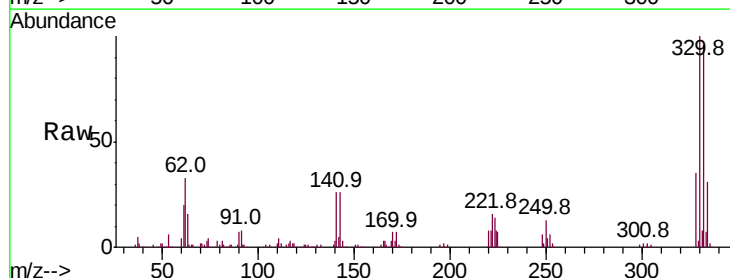


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

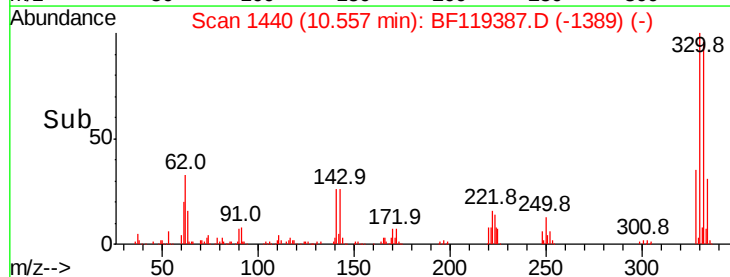
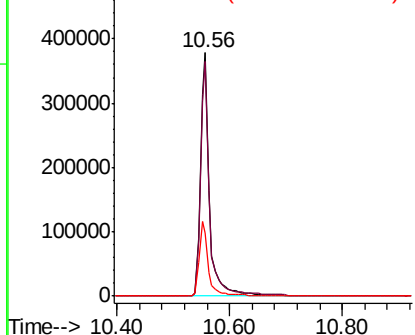


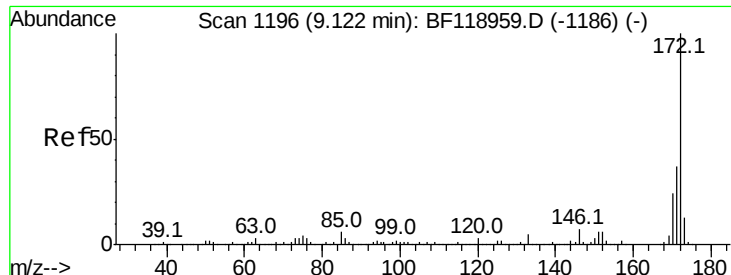
#42  
2,4,6-Tribromophenol  
Concen: 123.194 ng  
RT: 10.56 min Scan# 1440  
Delta R.T. 0.00 min  
Lab File: BF119387.D  
Acq: 12 Mar 2020 18:34

Tgt Ion:330 Resp: 424162  
Ion Ratio Lower Upper  
330 100  
332 97.0 76.0 114.0  
141 31.5 22.9 34.3



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

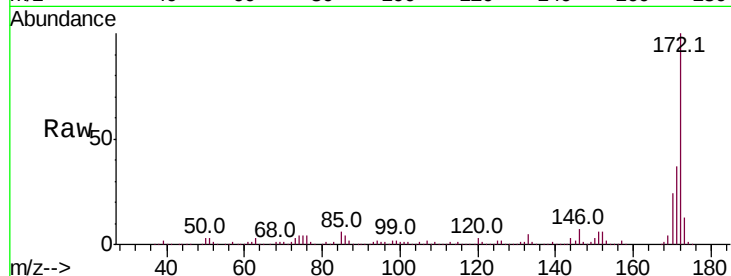




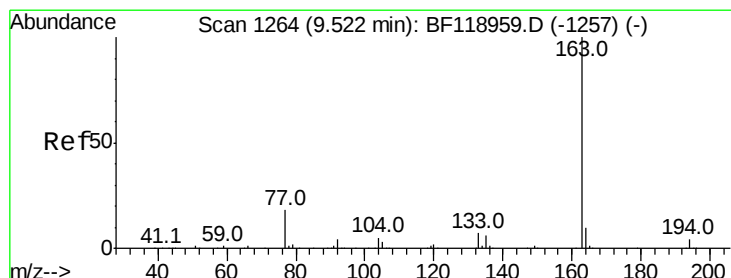
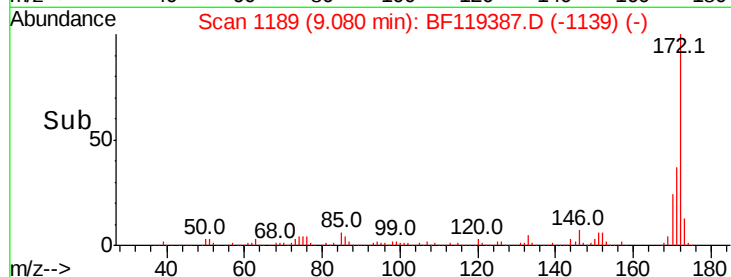
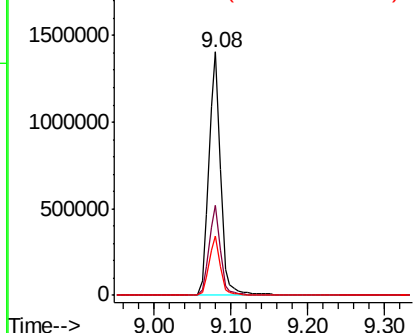
#45  
 2-Fluorobiphenyl  
 Concen: 82.534 ng  
 RT: 9.08 min Scan# 1189  
 Delta R.T. -0.01 min  
 Lab File: BF119387.D  
 Acq: 12 Mar 2020 18:34

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 1474535  
 Ion Ratio Lower Upper  
 172 100  
 171 36.9 30.6 45.8  
 170 24.4 20.2 30.2

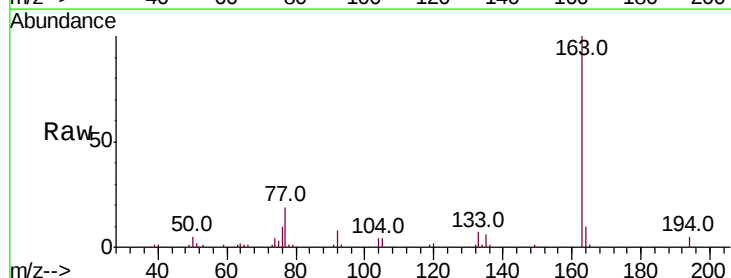


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

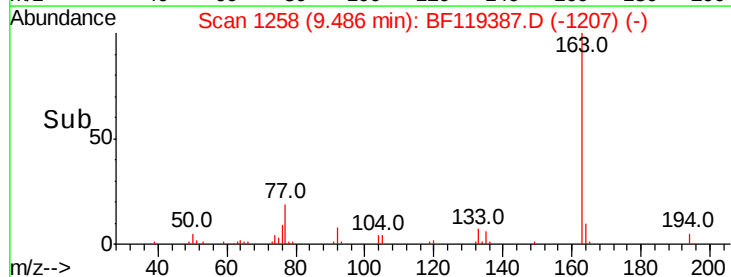
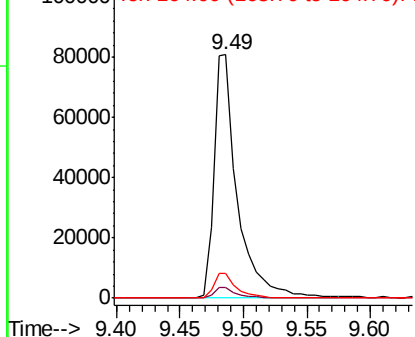


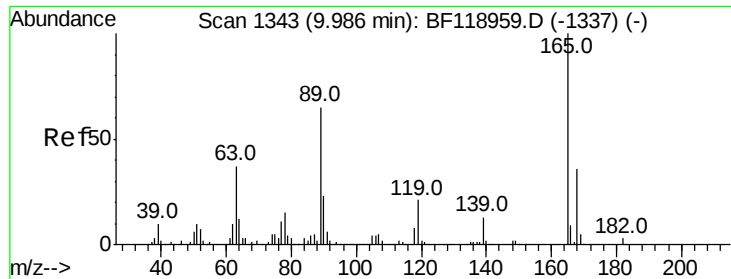
#50  
 Dimethylphthalate  
 Concen: 5.219 ng  
 RT: 9.49 min Scan# 1258  
 Delta R.T. 0.00 min  
 Lab File: BF119387.D  
 Acq: 12 Mar 2020 18:34

Tgt Ion:163 Resp: 105045  
 Ion Ratio Lower Upper  
 163 100  
 194 4.6 3.5 5.3  
 164 9.9 8.4 12.6



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

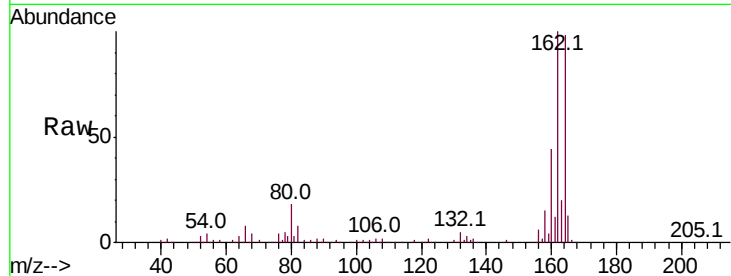




#57  
 2,4-Dinitrotoluene  
 Concen: 5.870 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. -0.21 min  
 Lab File: BF119387.D  
 Acq: 12 Mar 2020 18:34

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 42.3  | 63.5# |
| 89      | 1.3   | 60.2  | 90.4# |
| 182     | 0.0   | 2.3   | 3.5#  |

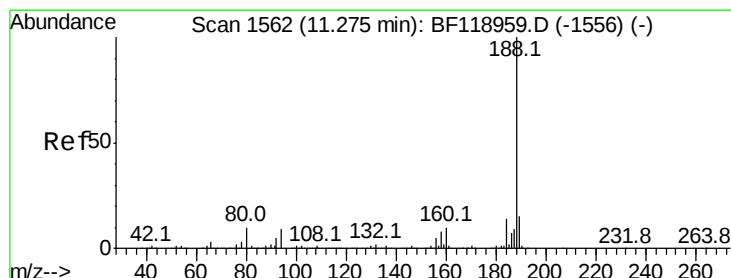
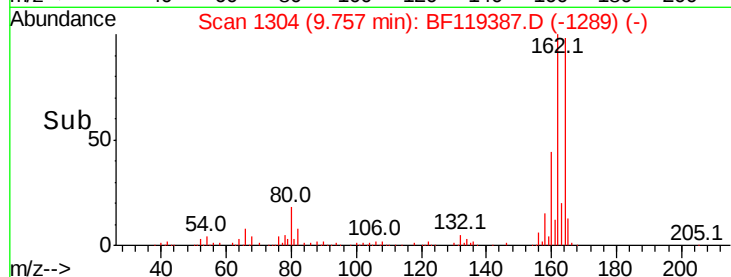
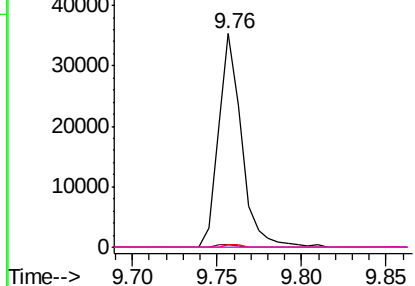


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

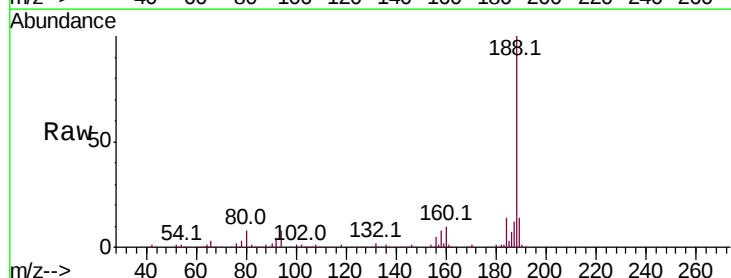
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.25 min Scan# 1558  
 Delta R.T. 0.01 min  
 Lab File: BF119387.D  
 Acq: 12 Mar 2020 18:34

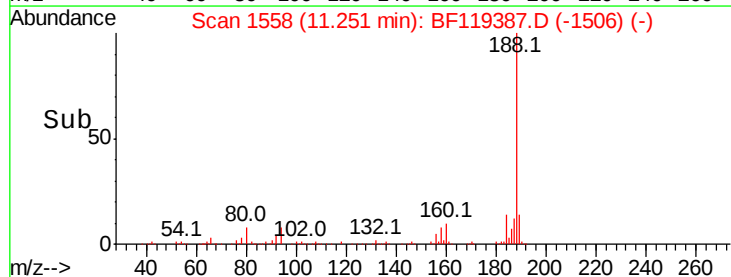
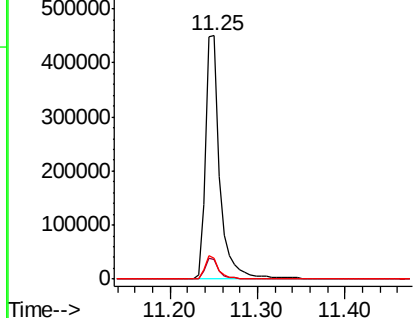
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.8   | 7.1   | 10.7  |
| 80      | 8.4   | 7.8   | 11.8  |

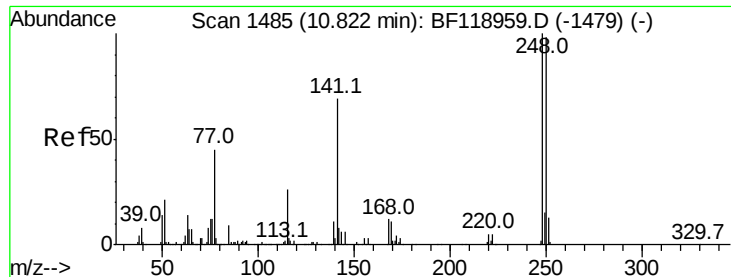


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

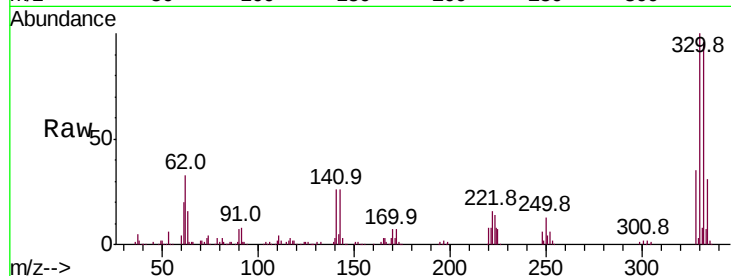




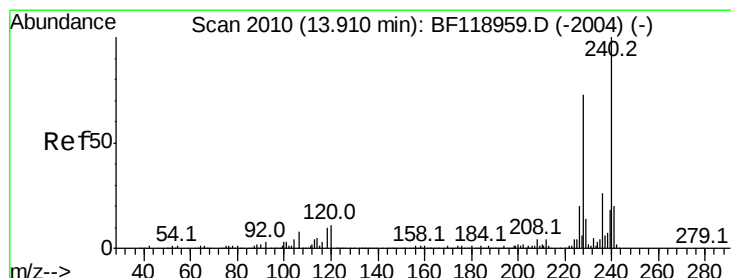
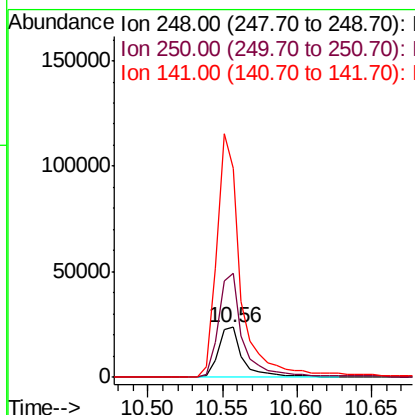
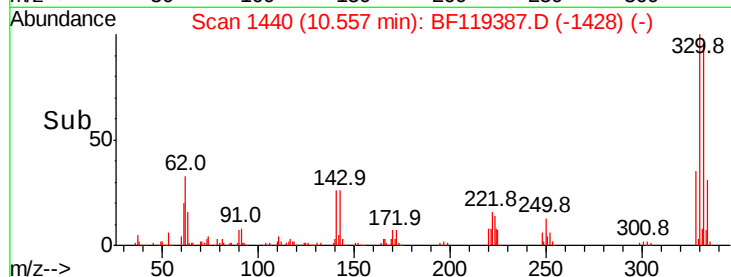
#67  
4-Bromophenyl-phenylether  
Concen: 4.066 ng  
RT: 10.56 min Scan# 1440  
Delta R.T. -0.23 min  
Lab File: BF119387.D  
Acq: 12 Mar 2020 18:34

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 27488  
Ion Ratio Lower Upper  
248 100  
250 207.6 76.7 115.1#  
141 415.9 60.7 91.1#

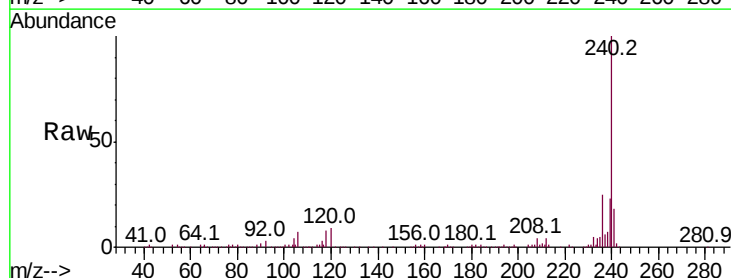


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

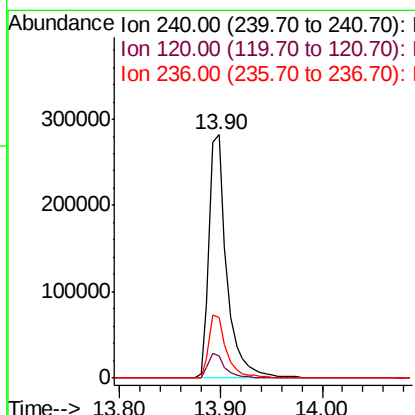
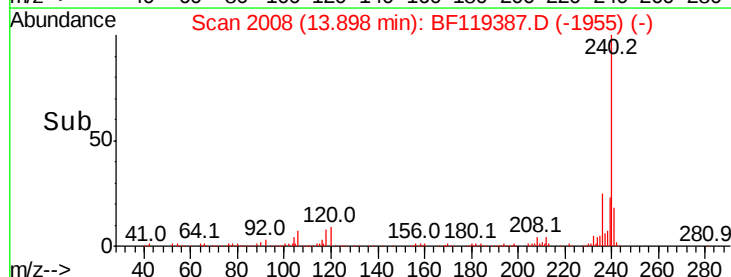


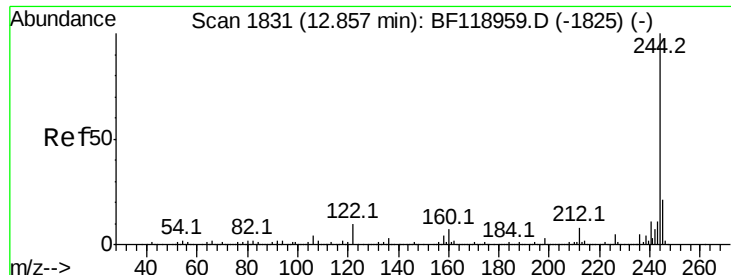
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.90 min Scan# 2008  
Delta R.T. 0.01 min  
Lab File: BF119387.D  
Acq: 12 Mar 2020 18:34

Tgt Ion:240 Resp: 343772  
Ion Ratio Lower Upper  
240 100  
120 8.9 8.4 12.6  
236 25.1 21.0 31.4



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: 86.604 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF119387.D

Acq: 12 Mar 2020 18:34

Instrument :

BNA\_F

ClientSampled :

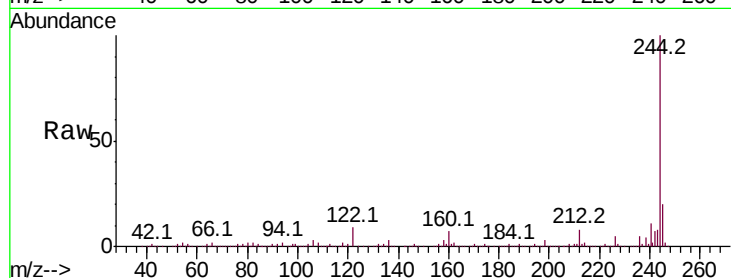
Tot Ion:244 Resp: 1729256

Ion Ratio Lower Upper

244 100

212 7.7 6.6 10.0

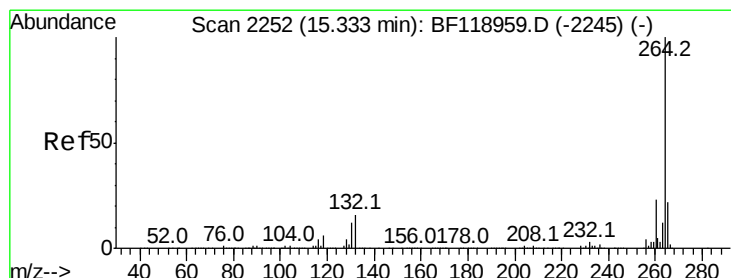
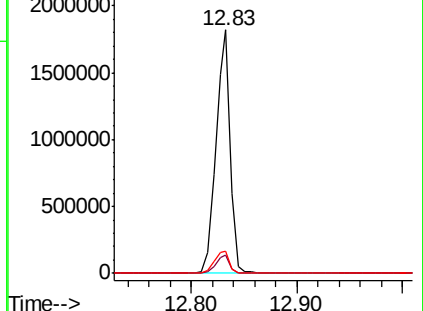
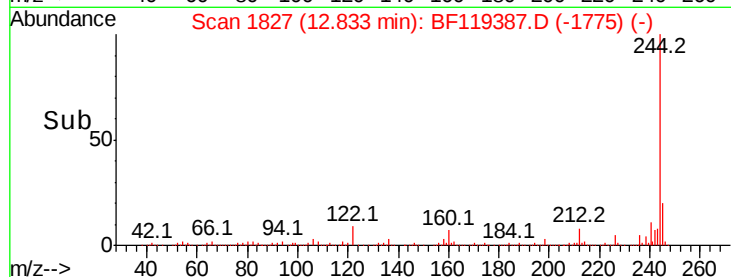
122 9.3 8.2 12.2



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. 0.02 min

Lab File: BF119387.D

Acq: 12 Mar 2020 18:34

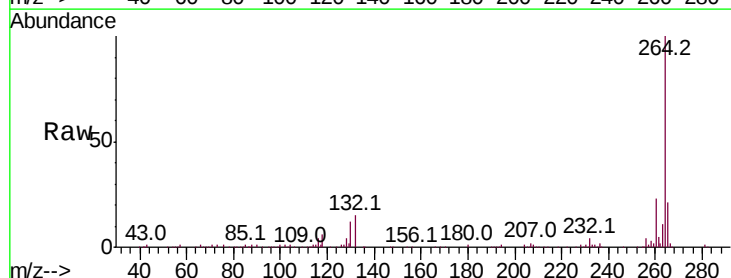
Tgt Ion:264 Resp: 307746

Ion Ratio Lower Upper

264 100

260 23.4 19.4 29.2

265 21.5 17.7 26.5



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

