

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110119\  
 Data File : BF117680.D  
 Acq On : 1 Nov 2019 14:50  
 Operator : JU  
 Sample : K5612-06  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Nov 01 17:10:46 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Oct 18 18:53:31 2019  
 Response via : Initial Calibration

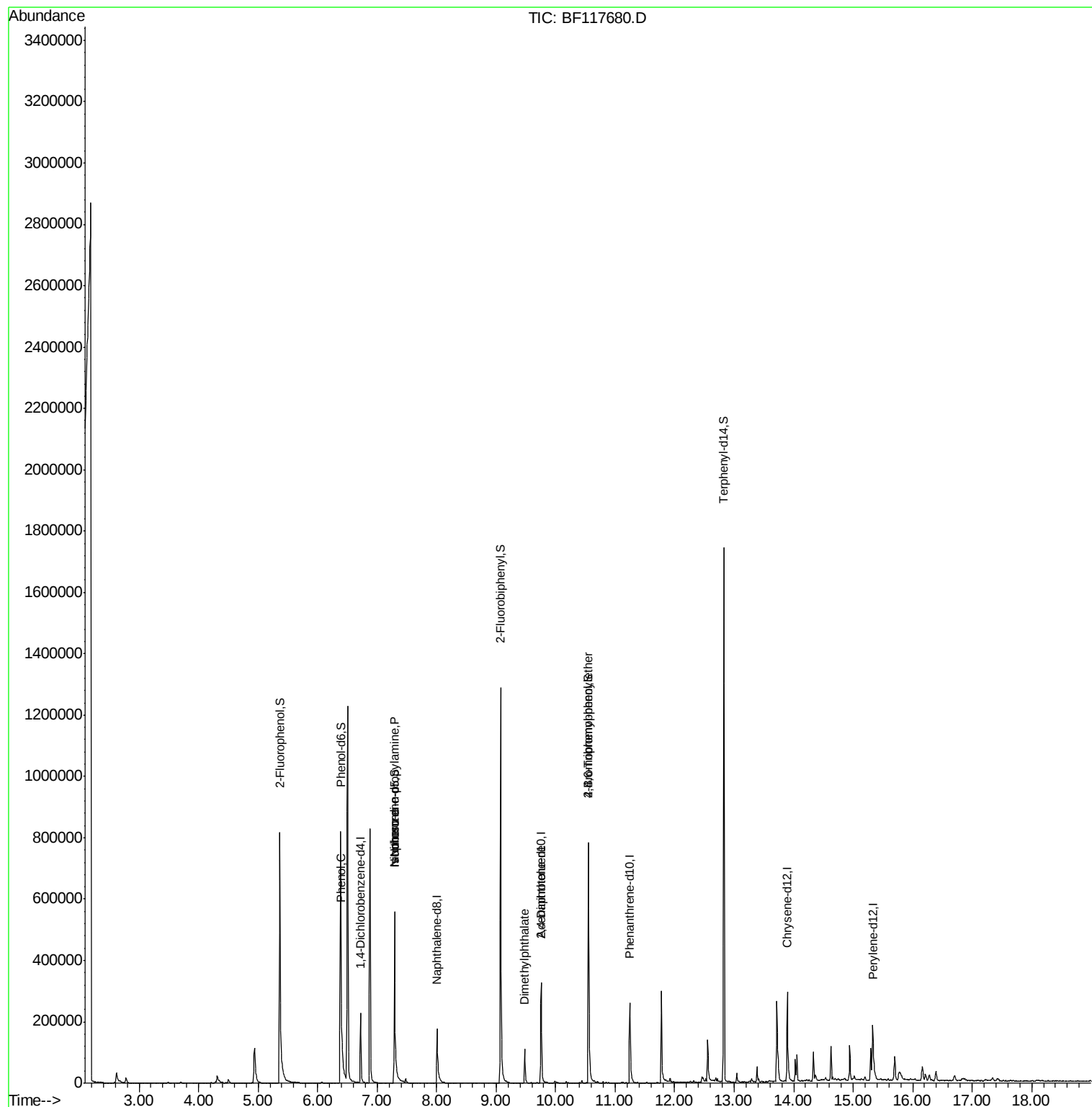
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.72  | 152  | 37051    | 20.00     | ng    | -0.01    |
| 21) Naphthalene-d8             | 8.00  | 136  | 147647   | 20.00     | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.76  | 164  | 79434    | 20.00     | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.24 | 188  | 142942   | 20.00     | ng    | 0.00     |
| 76) Chrysene-d12               | 13.89 | 240  | 119397   | 20.00     | ng    | 0.00     |
| 87) Perylene-d12               | 15.33 | 264  | 117516   | 20.00     | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.36  | 112  | 319148   | 128.15    | ng    | 0.01     |
| 7) Phenol-d6                   | 6.39  | 99   | 432237   | 129.22    | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.29  | 82   | 278775   | 93.21     | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.55 | 330  | 100455   | 146.16    | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.08  | 172  | 492776   | 87.41     | ng    | -0.01    |
| 79) Terphenyl-d14              | 12.83 | 244  | 604717   | 82.61     | ng    | 0.00     |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.39  | 77   | 496      | Below Cal |       | Qvalue   |
| 10) Phenol                     | 6.40  | 94   | 14616    | 4.281     | ng    | # 3      |
| 19) n-Nitroso-di-n-propylamine | 7.29  | 70   | 35566    | 17.410    | ng    | # 79     |
| 25) Isophorone                 | 7.29  | 82   | 278941   | 53.915    | ng    | # 65     |
| 50) Dimethylphthalate          | 9.48  | 163  | 62818    | 11.093    | ng    | # 99     |
| 57) 2,4-Dinitrotoluene         | 9.76  | 165  | 9581     | 6.098     | ng    | # 12     |
| 67) 4-Bromophenyl-phenylether  | 10.55 | 248  | 6618     | 4.298     | ng    | # 1      |

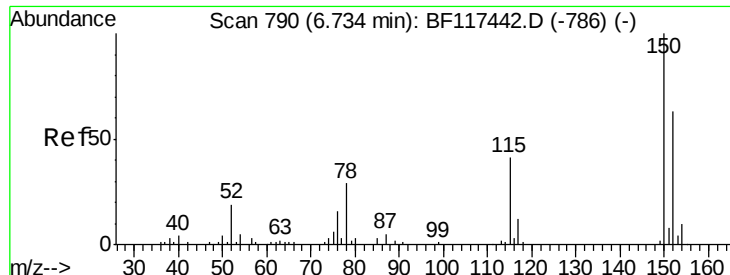
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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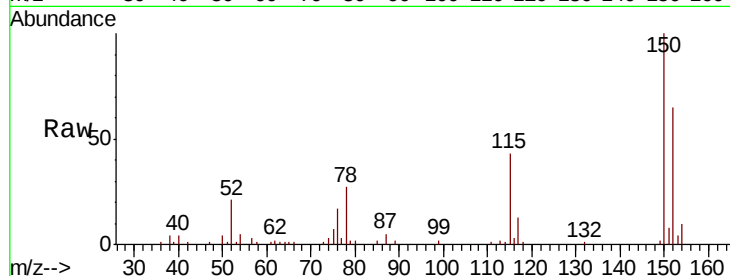


#1

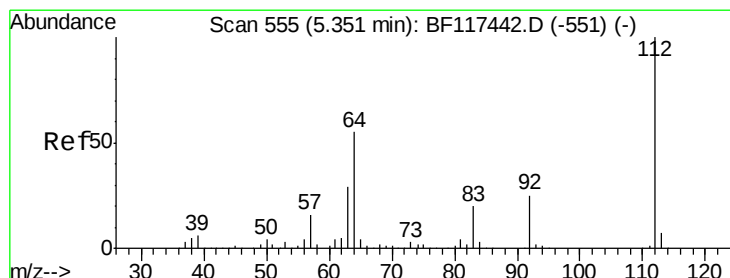
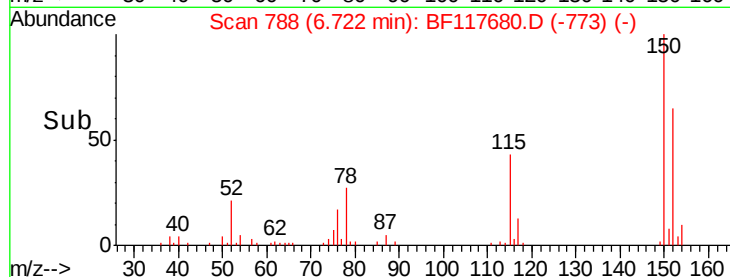
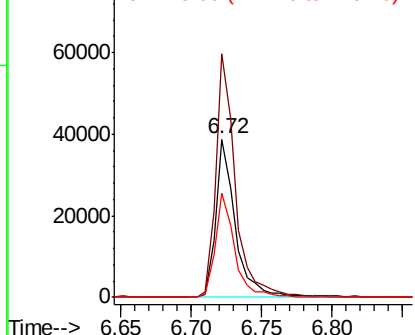
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 788  
Delta R.T. -0.01 min  
Lab File: BF117680.D  
Acq: 1 Nov 2019 14:50

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 37051  
Ion Ratio Lower Upper  
152 100  
150 153.7 126.8 190.2  
115 65.5 51.6 77.4



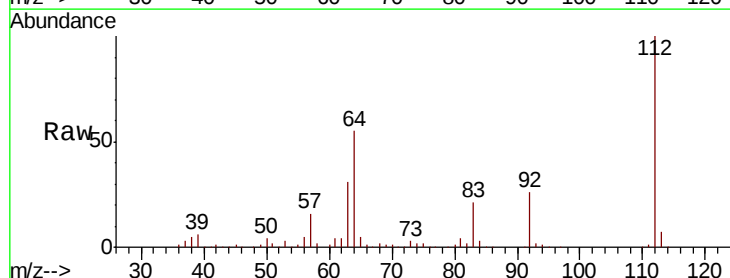
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



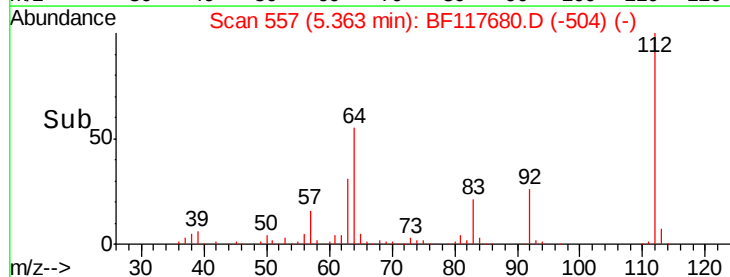
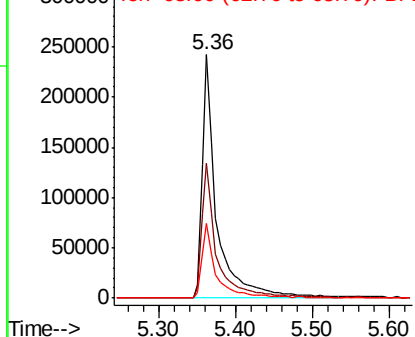
#5

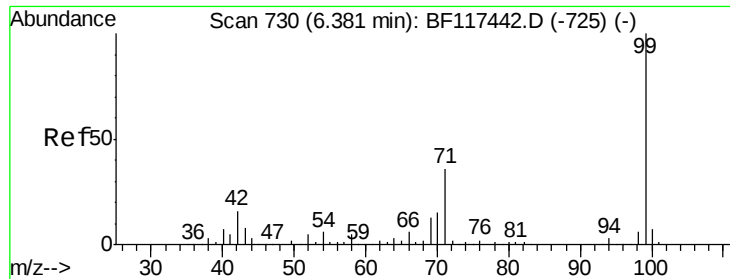
2-Fluorophenol  
Concen: 128.147 ng  
RT: 5.36 min Scan# 557  
Delta R.T. 0.01 min  
Lab File: BF117680.D  
Acq: 1 Nov 2019 14:50

Tgt Ion:112 Resp: 319148  
Ion Ratio Lower Upper  
112 100  
64 55.4 44.1 66.1  
63 30.7 23.4 35.2



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: 129.219 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117680.D

Acq: 1 Nov 2019 14:50

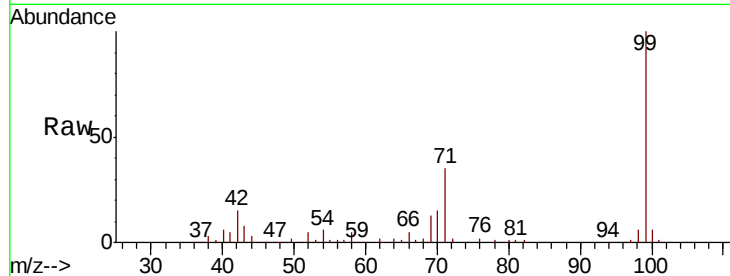
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 432237

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 14.9  | 12.8  | 19.2  |
| 71  | 35.4  | 28.6  | 43.0  |

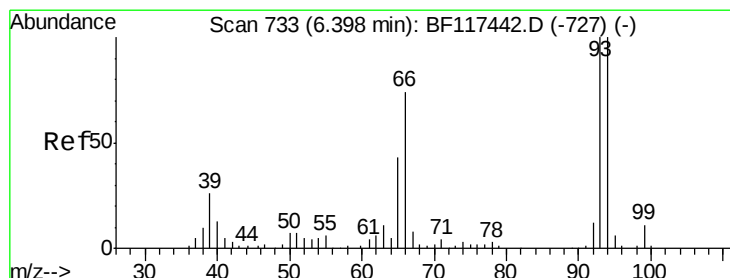
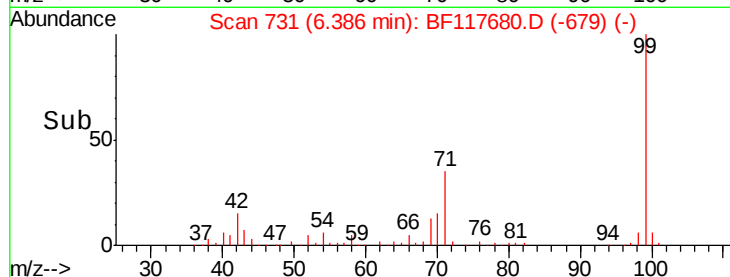
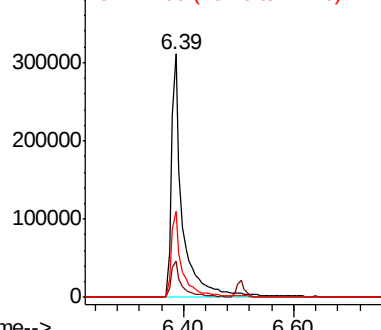


Abundance

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



#10

Phenol

Concen: 4.281 ng

RT: 6.40 min Scan# 733

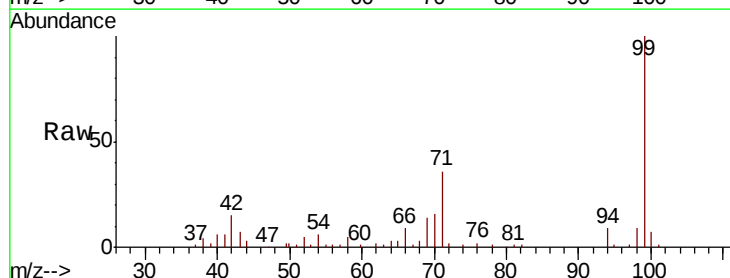
Delta R.T. -0.00 min

Lab File: BF117680.D

Acq: 1 Nov 2019 14:50

Tgt Ion: 94 Resp: 14616

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 34.9  | 23.4  | 63.4  |
| 66  | 91.9  | 54.7  | 94.7  |

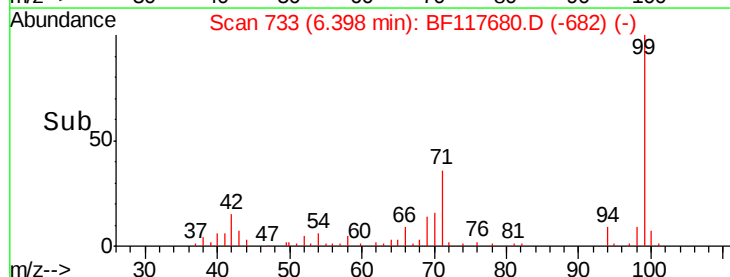
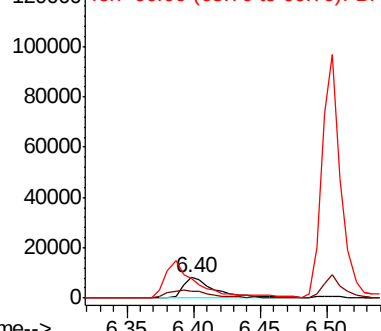


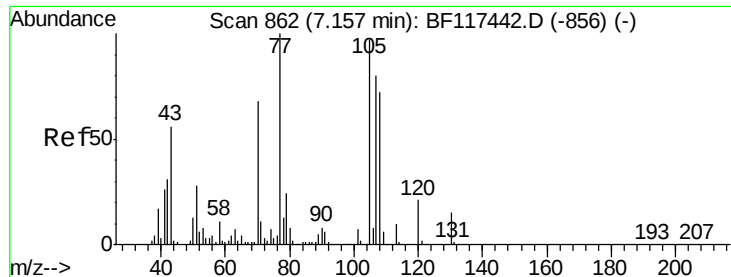
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

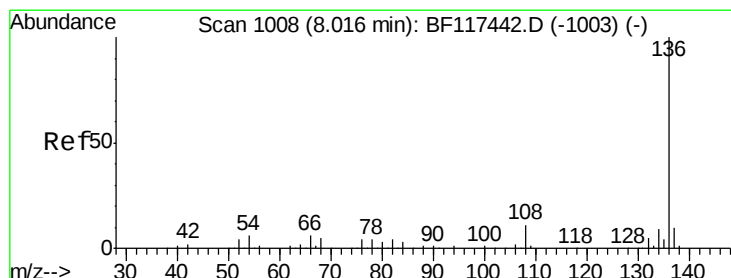
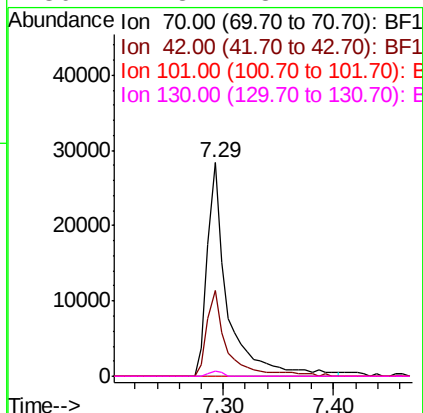
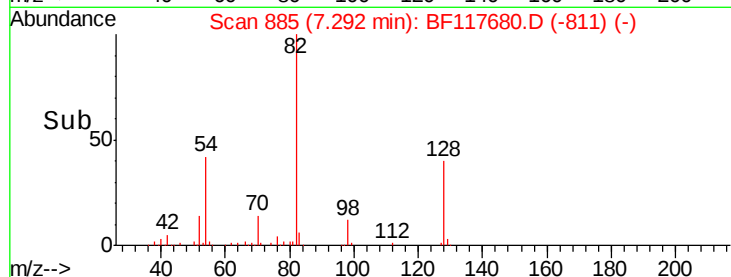
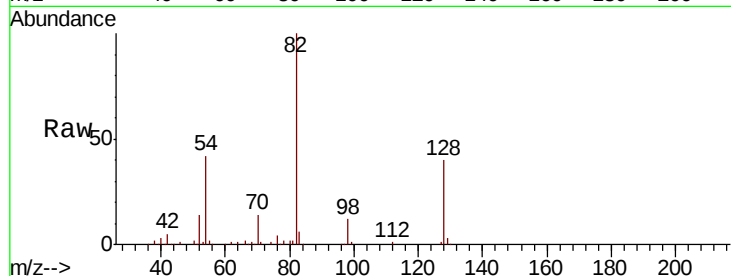




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.410 ng  
RT: 7.29 min Scan# 885  
Delta R.T. 0.14 min  
Lab File: BF117680.D  
Acq: 1 Nov 2019 14:50

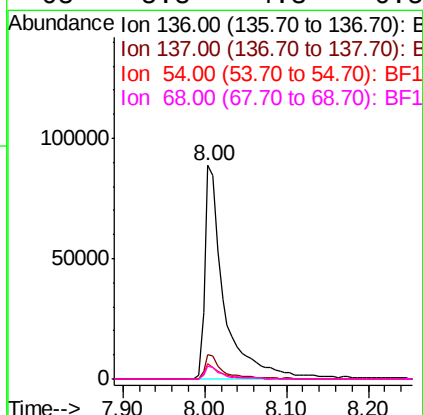
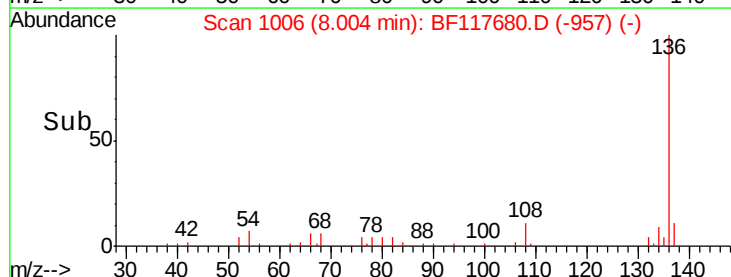
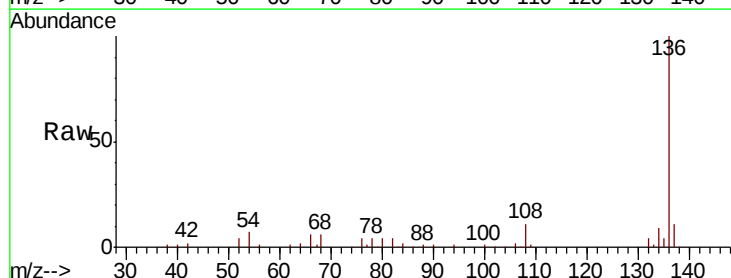
Instrument :  
BNA\_F  
ClientSampleId :

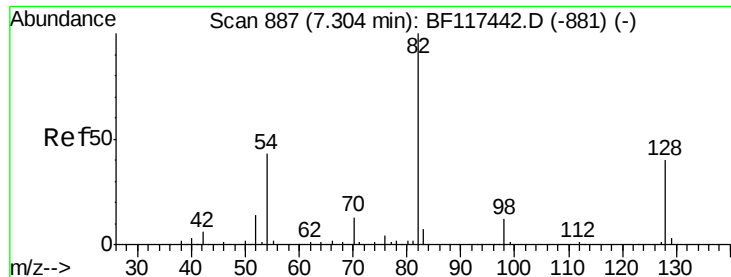
Tot Ion: 70 Resp: 35566  
Ion Ratio Lower Upper  
70 100  
42 39.9 36.7 55.1  
101 0.0 8.3 12.5#  
130 2.3 18.1 27.1#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1006  
Delta R.T. -0.01 min  
Lab File: BF117680.D  
Acq: 1 Nov 2019 14:50

Tgt Ion:136 Resp: 147647  
Ion Ratio Lower Upper  
136 100  
137 11.1 8.2 12.4  
54 7.1 4.5 6.7#  
68 5.8 4.3 6.5

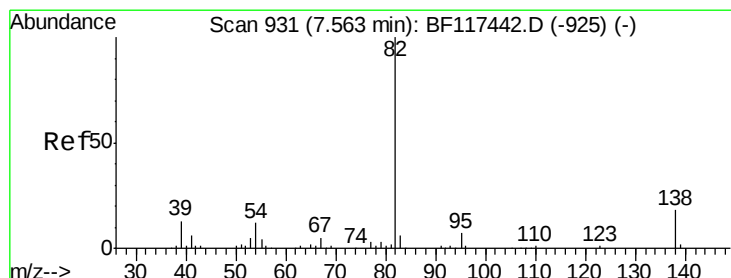
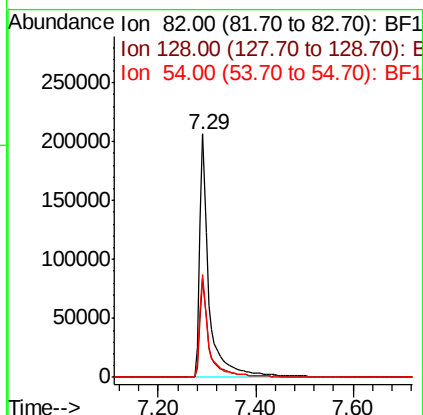
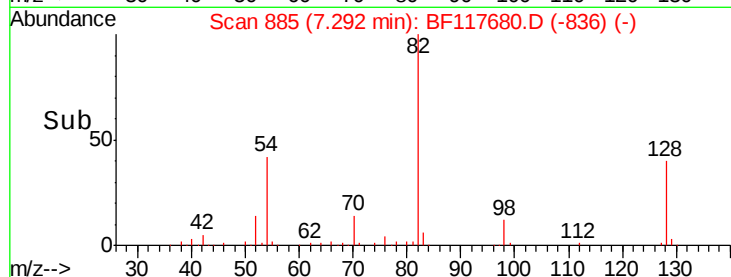
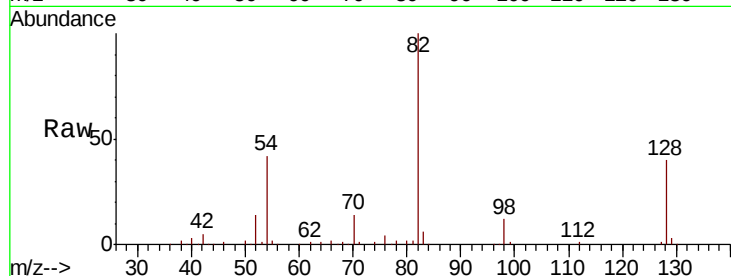




#23  
Nitrobenzene-d5  
Concen: 93.212 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.01 min  
Lab File: BF117680.D  
Acq: 1 Nov 2019 14:50

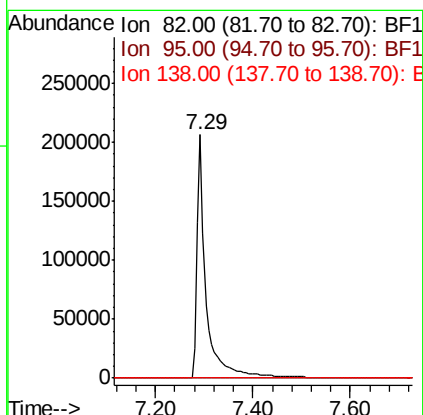
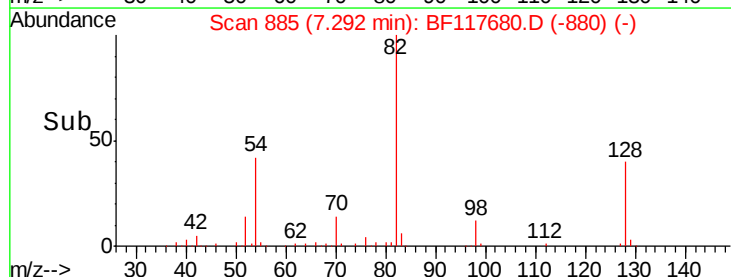
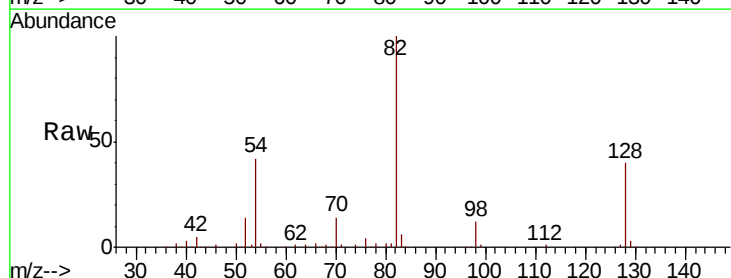
Instrument :  
BNA\_F  
ClientSampled :

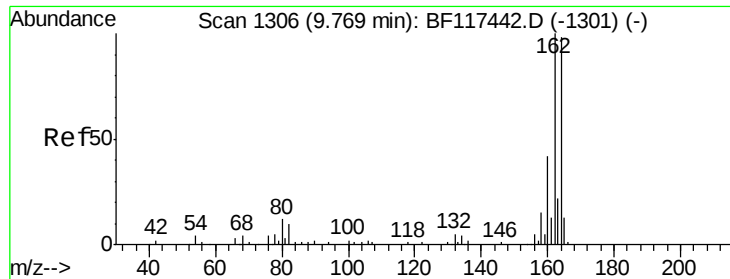
Tot Ion: 82 Resp: 278775  
Ion Ratio Lower Upper  
82 100  
128 40.1 32.2 48.2  
54 42.1 34.2 51.2



#25  
Isophorone  
Concen: 53.915 ng  
RT: 7.29 min Scan# 885  
Delta R.T. -0.27 min  
Lab File: BF117680.D  
Acq: 1 Nov 2019 14:50

Tgt Ion: 82 Resp: 278941  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.4 8.0#  
138 0.0 14.2 21.2#

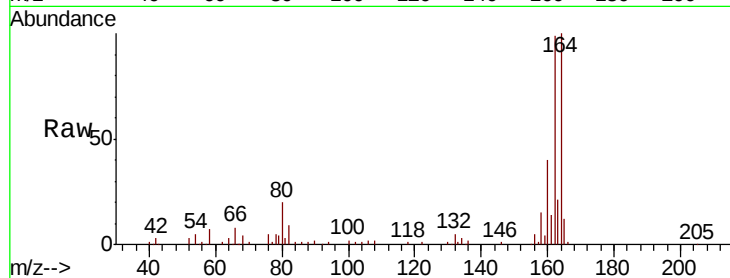




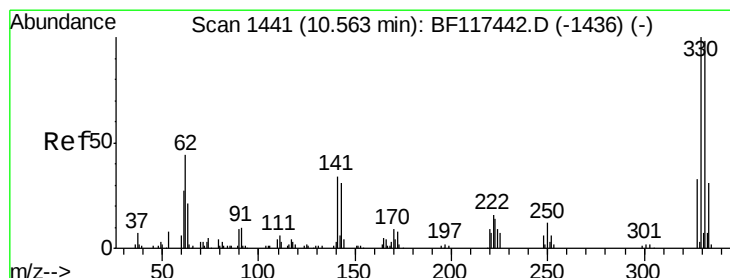
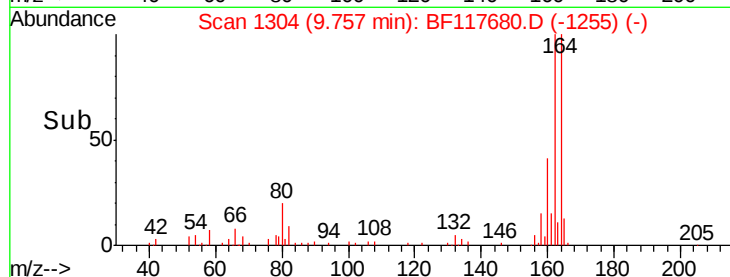
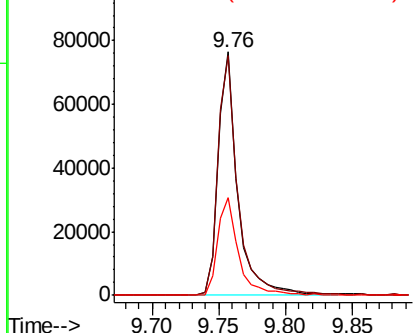
#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. -0.01 min  
 Lab File: BF117680.D  
 Acq: 1 Nov 2019 14:50

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:164 Resp: 79434  
 Ion Ratio Lower Upper  
 164 100  
 162 98.6 81.8 122.6  
 160 40.2 34.4 51.6

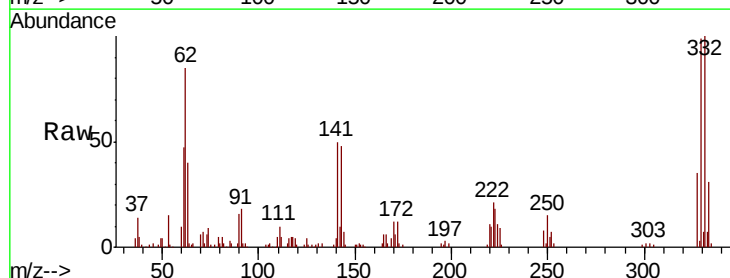


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

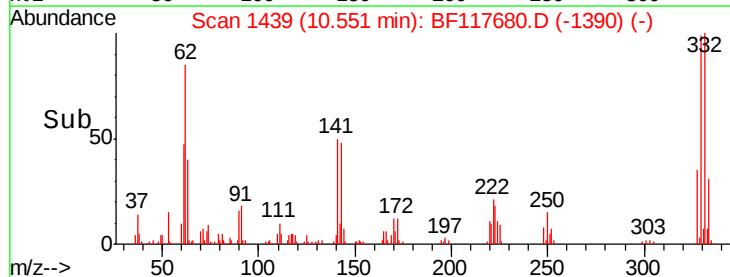
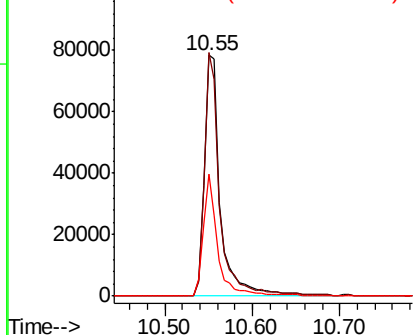


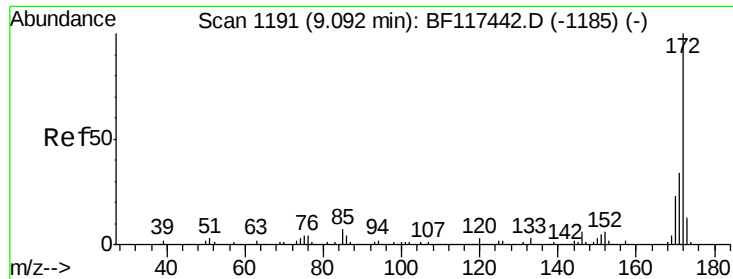
#42  
 2,4,6-Tribromophenol  
 Concen: 146.157 ng  
 RT: 10.55 min Scan# 1439  
 Delta R.T. -0.01 min  
 Lab File: BF117680.D  
 Acq: 1 Nov 2019 14:50

Tgt Ion:330 Resp: 100455  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 78.5 117.7  
 141 45.3 37.0 55.6



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

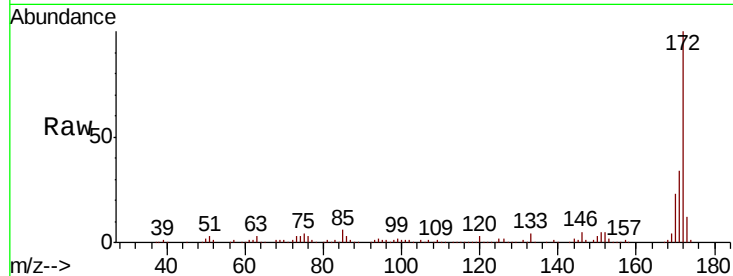




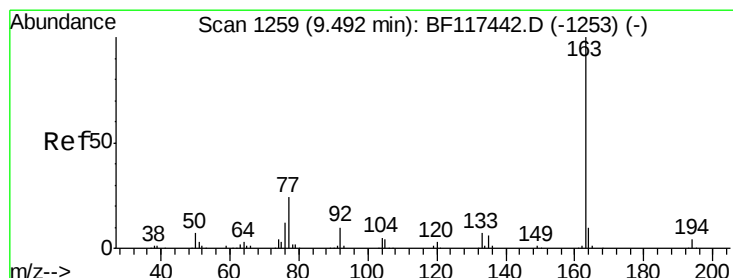
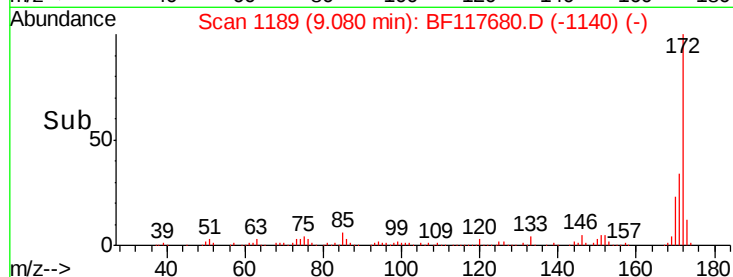
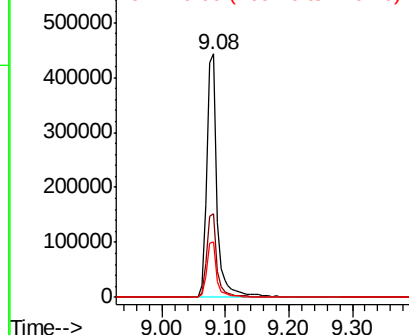
#45  
2-Fluorobiphenyl  
Concen: 87.408 ng  
RT: 9.08 min Scan# 1189  
Delta R.T. -0.01 min  
Lab File: BF117680.D  
Acq: 1 Nov 2019 14:50

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 492776  
Ion Ratio Lower Upper  
172 100  
171 34.3 27.5 41.3  
170 22.9 18.6 27.8

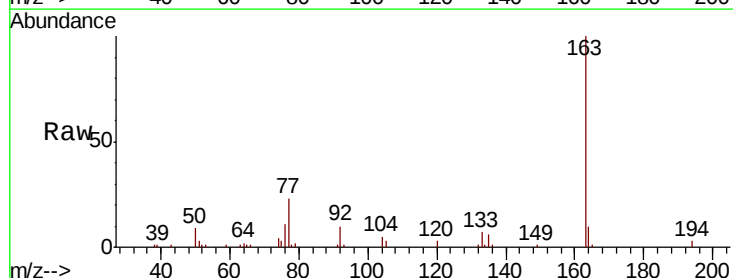


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

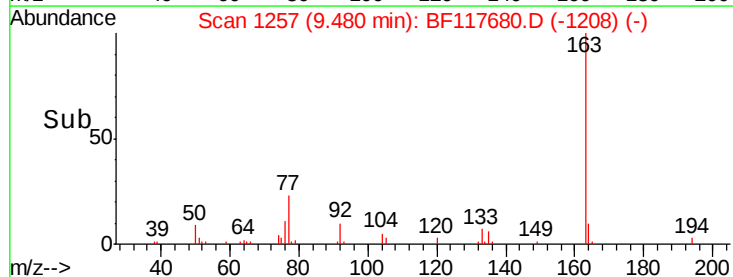
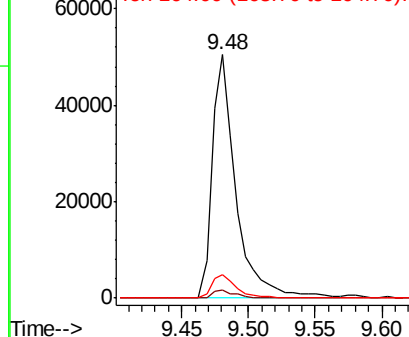


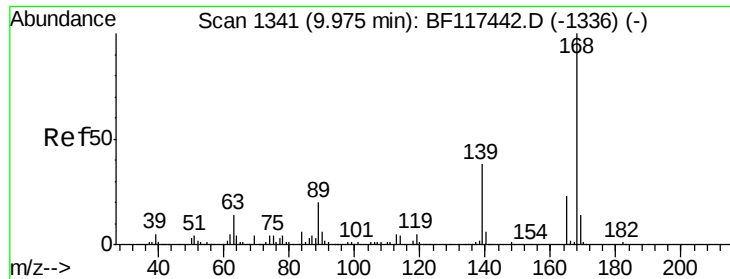
#50  
Dimethylphthalate  
Concen: 11.093 ng  
RT: 9.48 min Scan# 1257  
Delta R.T. -0.01 min  
Lab File: BF117680.D  
Acq: 1 Nov 2019 14:50

Tgt Ion:163 Resp: 62818  
Ion Ratio Lower Upper  
163 100  
194 3.4 2.9 4.3  
164 9.6 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

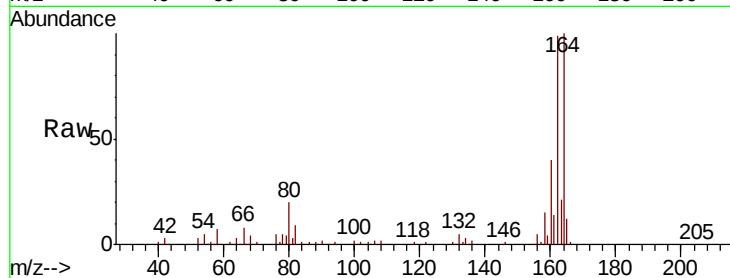




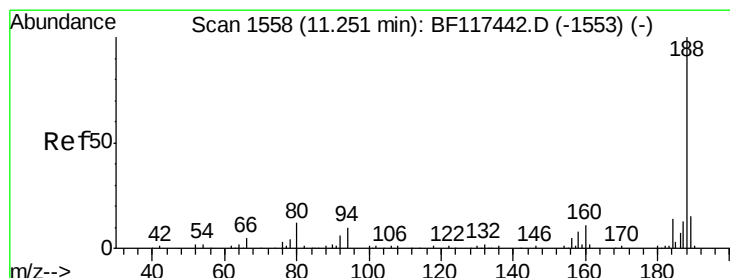
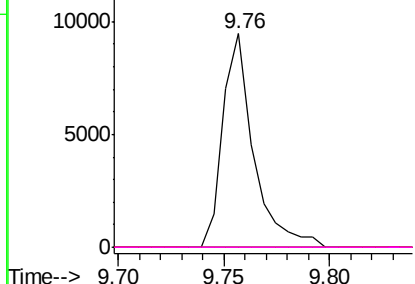
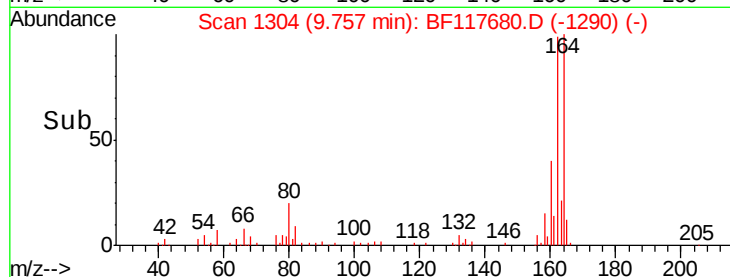
#57  
 2,4-Dinitrotoluene  
 Concen: 6.098 ng  
 RT: 9.76 min Scan# 1304  
 Delta R.T. -0.22 min  
 Lab File: BF117680.D  
 Acq: 1 Nov 2019 14:50

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:165 Resp: 9581  
 Ion Ratio Lower Upper  
 165 100  
 63 0.0 51.4 77.0#  
 89 0.0 69.9 104.9#  
 182 0.0 1.9 2.9#

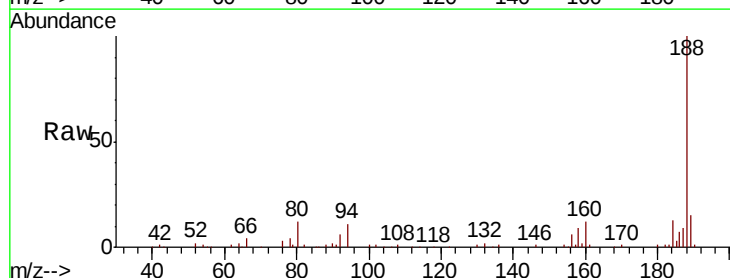


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

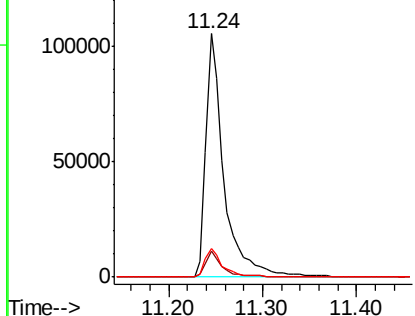
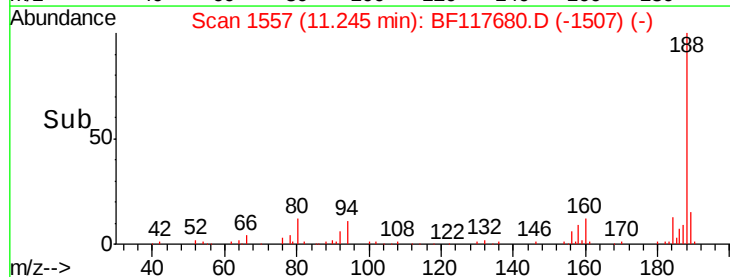


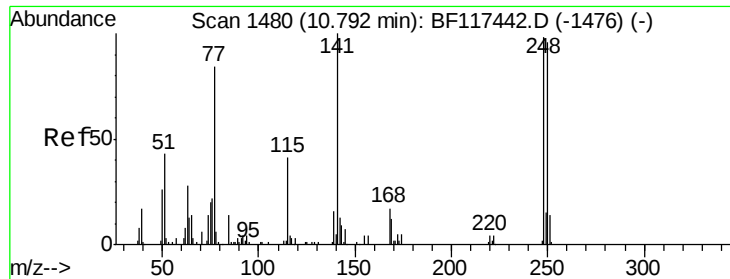
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.24 min Scan# 1557  
 Delta R.T. -0.01 min  
 Lab File: BF117680.D  
 Acq: 1 Nov 2019 14:50

Tgt Ion:188 Resp: 142942  
 Ion Ratio Lower Upper  
 188 100  
 94 10.9 8.0 12.0  
 80 11.6 9.5 14.3



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

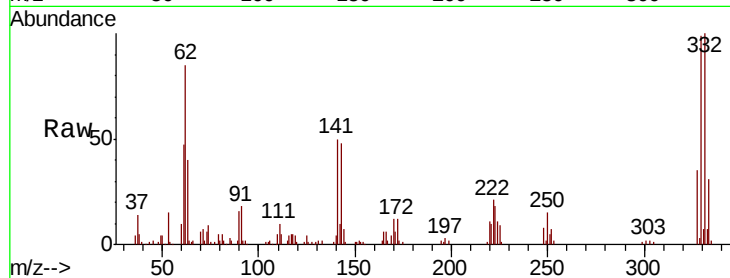




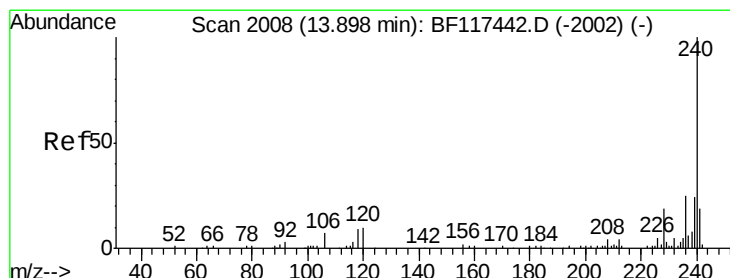
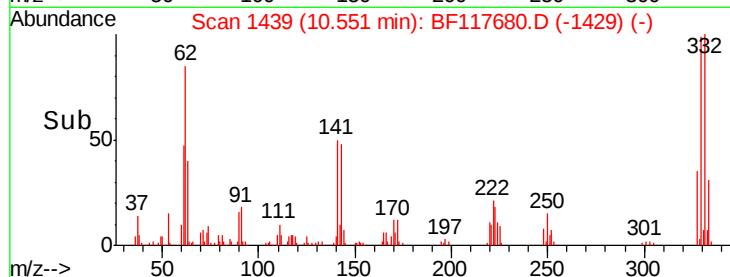
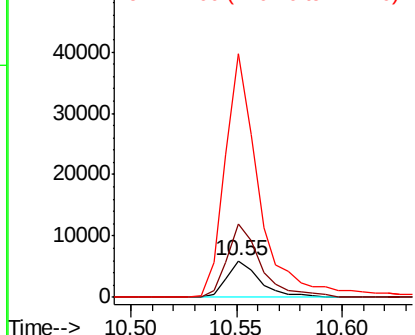
#67  
4-Bromophenyl-phenylether  
Concen: 4.298 ng  
RT: 10.55 min Scan# 1439  
Delta R.T. -0.24 min  
Lab File: BF117680.D  
Acq: 1 Nov 2019 14:50

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:248 Resp: 6618  
Ion Ratio Lower Upper  
248 100  
250 198.0 78.0 117.0#  
141 661.7 81.7 122.5#

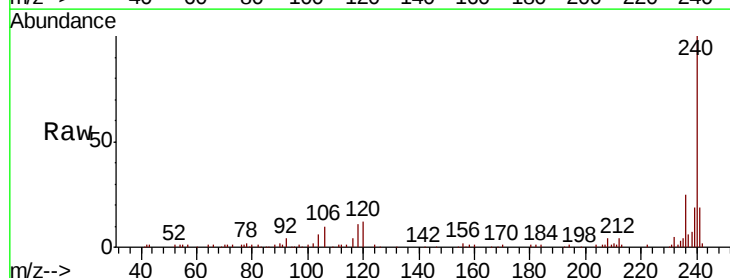


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

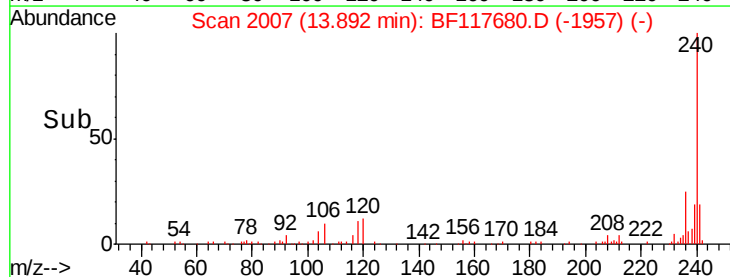
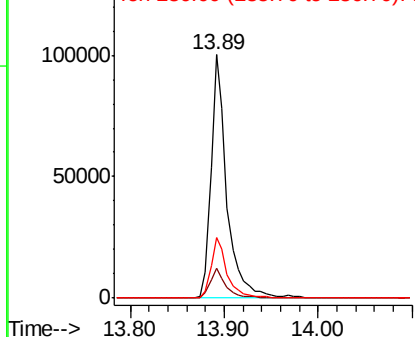


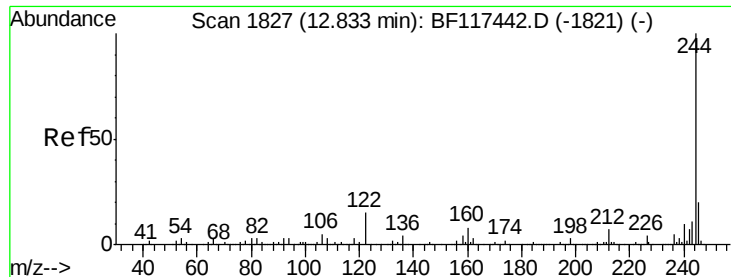
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.89 min Scan# 2007  
Delta R.T. -0.01 min  
Lab File: BF117680.D  
Acq: 1 Nov 2019 14:50

Tgt Ion:240 Resp: 119397  
Ion Ratio Lower Upper  
240 100  
120 12.3 8.4 12.6  
236 24.6 20.0 30.0



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

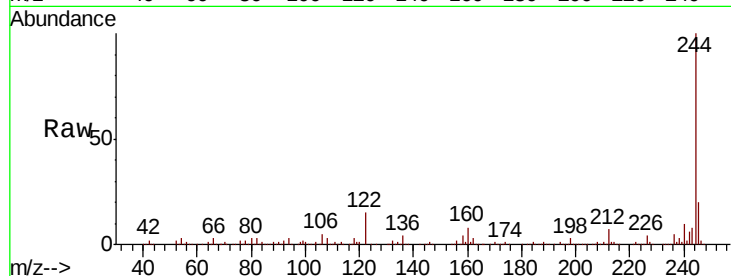




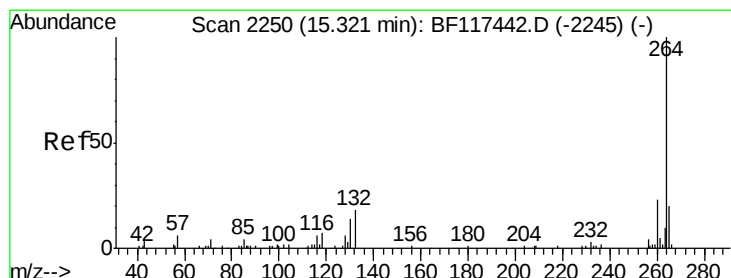
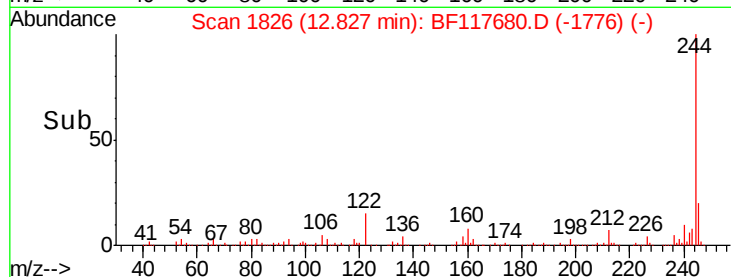
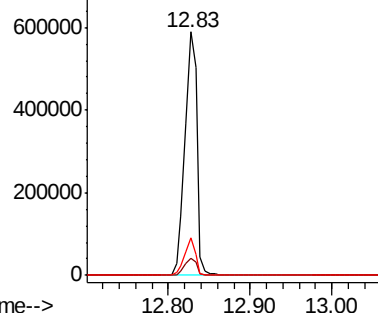
#79  
 Terphenyl-d14  
 Concen: 82.612 ng  
 RT: 12.83 min Scan# 1826  
 Delta R.T. -0.01 min  
 Lab File: BF117680.D  
 Acq: 1 Nov 2019 14:50

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 604717  
 Ion Ratio Lower Upper  
 244 100  
 212 6.9 5.8 8.6  
 122 15.3 11.8 17.8

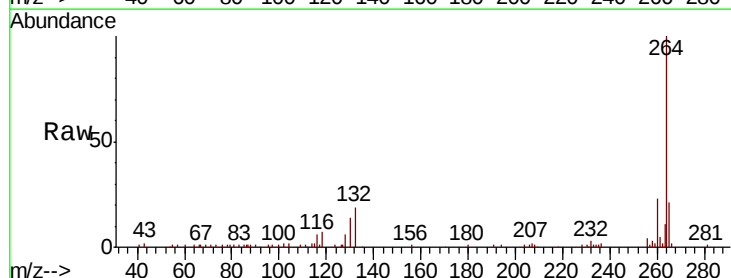


Abundance Ion 244.00 (243.70 to 244.70): E  
 800000 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.33 min Scan# 2251  
 Delta R.T. 0.01 min  
 Lab File: BF117680.D  
 Acq: 1 Nov 2019 14:50

Tgt Ion:264 Resp: 117516  
 Ion Ratio Lower Upper  
 264 100  
 260 22.6 18.4 27.6  
 265 20.9 16.1 24.1



Abundance Ion 264.00 (263.70 to 264.70): E  
 80000 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E

