

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030420\  
 Data File : BF119200.D  
 Acq On : 4 Mar 2020 17:53  
 Operator : CG/JU  
 Sample : L1772-03  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Mar 05 05:48:44 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 26 16:03:05 2020  
 Response via : Initial Calibration

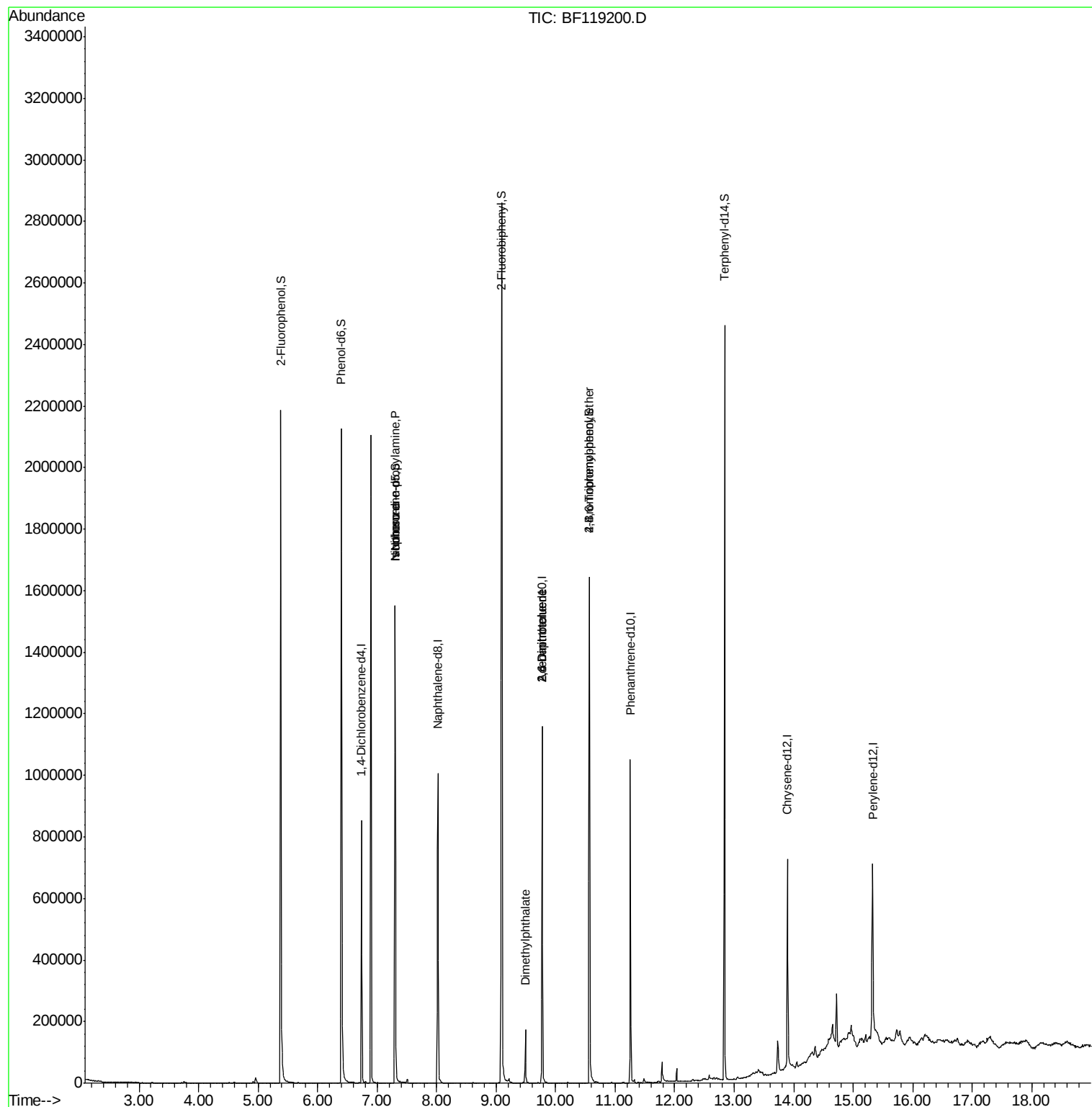
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.74  | 152  | 123937   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.02  | 136  | 477754   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.77  | 164  | 248450   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.26 | 188  | 396560   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.90 | 240  | 233405   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.33 | 264  | 265461   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.38  | 112  | 670299   | 90.38  | ng    | 0.01     |
| 7) Phenol-d6                   | 6.40  | 99   | 821608   | 91.09  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.30  | 82   | 534232   | 59.04  | ng    | -0.02    |
| 42) 2,4,6-Tribromophenol       | 10.57 | 330  | 241972   | 74.45  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.10  | 172  | 1014838  | 60.17  | ng    | -0.01    |
| 79) Terphenyl-d14              | 12.84 | 244  | 833460   | 61.48  | ng    | -0.01    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.30  | 70   | 73276    | 13.942 | ng    | # 74     |
| 25) Isophorone                 | 7.30  | 82   | 527268   | 33.553 | ng    | # 63     |
| 50) Dimethylphthalate          | 9.49  | 163  | 85972    | 4.525  | ng    | # 98     |
| 51) 2,6-Dinitrotoluene         | 9.77  | 165  | 31949    | 7.569  | ng    | # 33     |
| 57) 2,4-Dinitrotoluene         | 9.77  | 165  | 31949    | 5.840  | ng    | # 21     |
| 67) 4-Bromophenyl-phenylether  | 10.57 | 248  | 15921    | 3.071  | ng    | # 1      |

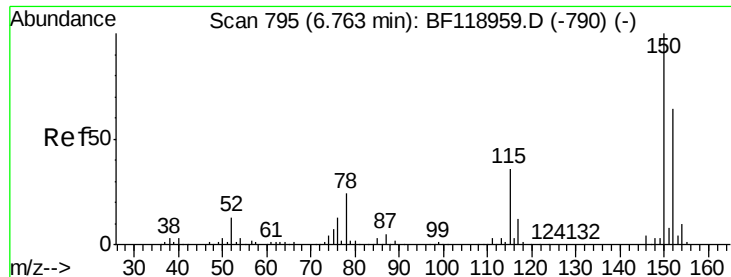
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030420\  
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ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Mar 05 05:48:44 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 26 16:03:05 2020  
Response via : Initial Calibration

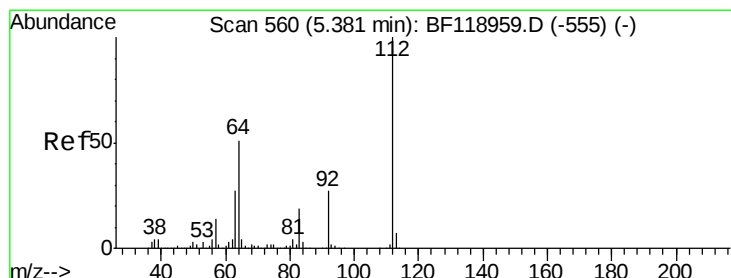
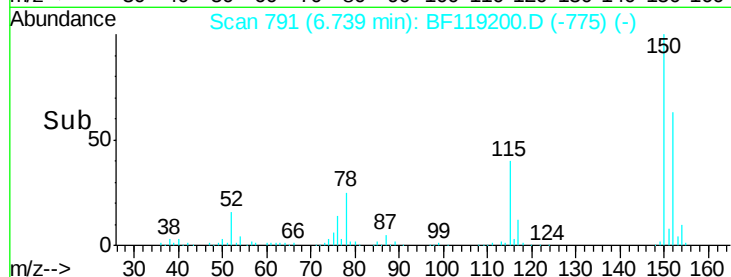
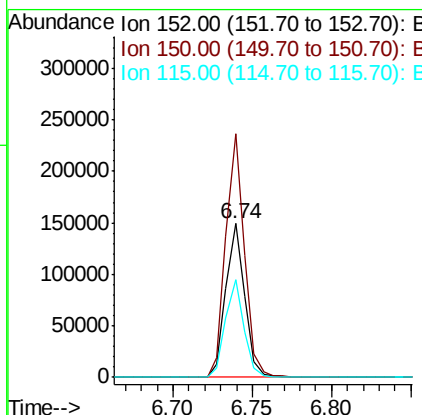
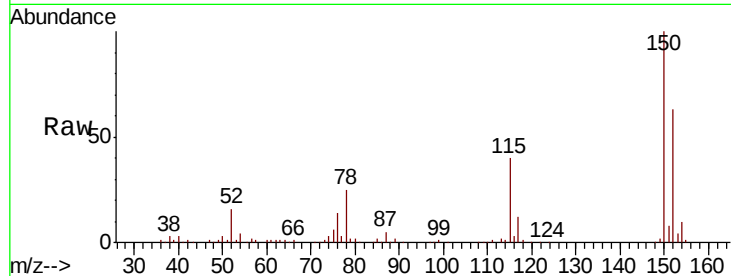




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.74 min Scan# 791  
 Delta R.T. -0.01 min  
 Lab File: BF119200.D  
 Acq: 4 Mar 2020 17:53

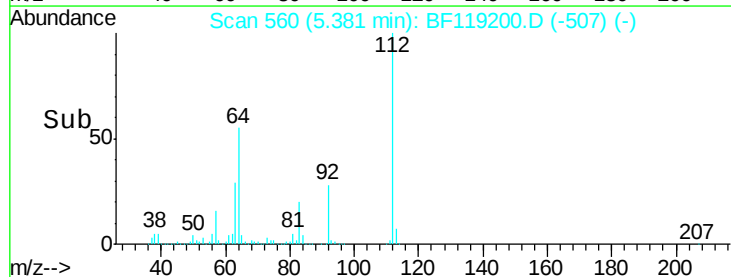
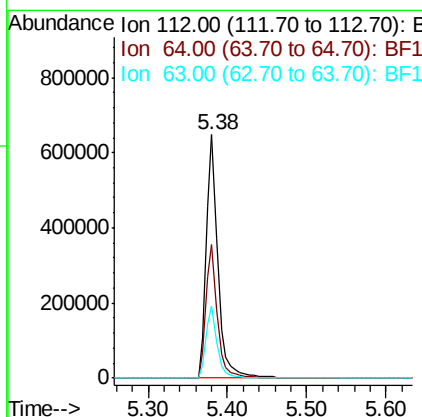
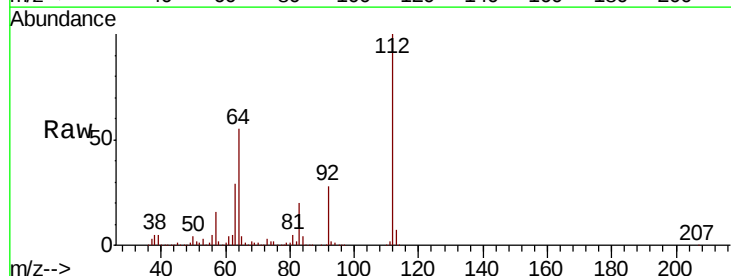
Instrument :  
 BNA\_F  
 ClientSampleId :

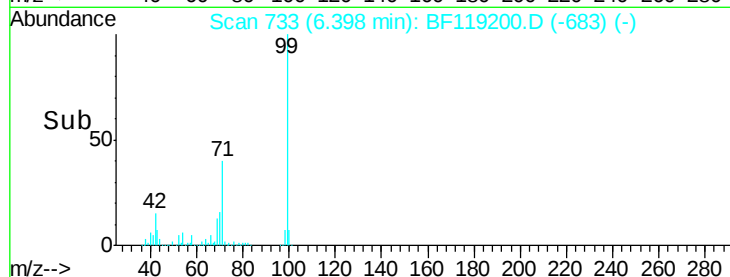
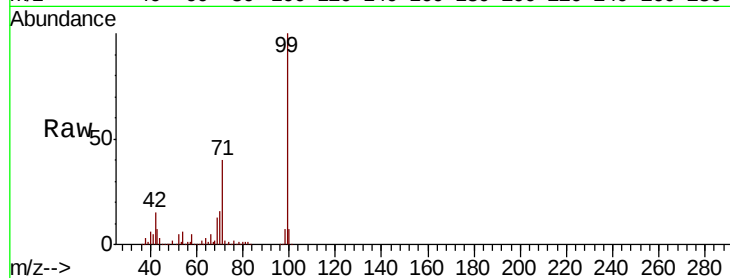
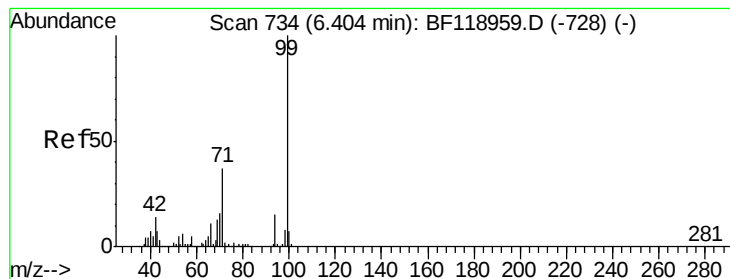
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 158.4 | 123.0 | 184.6 |
| 115     | 63.2  | 49.5  | 74.3  |



#5  
 2-Fluorophenol  
 Concen: 90.384 ng  
 RT: 5.38 min Scan# 560  
 Delta R.T. 0.01 min  
 Lab File: BF119200.D  
 Acq: 4 Mar 2020 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.0  | 45.0  | 67.4  |
| 63      | 29.4  | 24.2  | 36.4  |





#7

Phenol-d6

Concen: 91.093 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF119200.D

Acq: 4 Mar 2020 17:53

Instrument :

BNA\_F

ClientSampled :

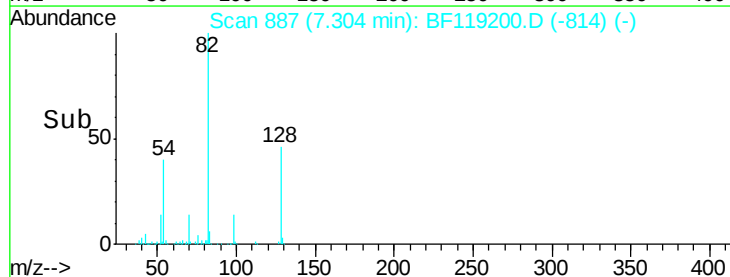
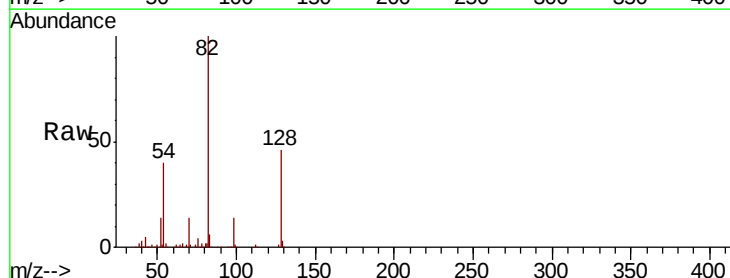
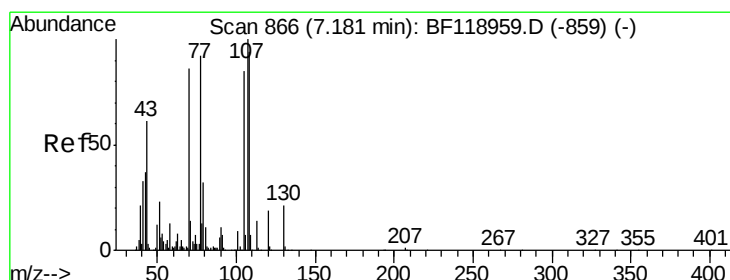
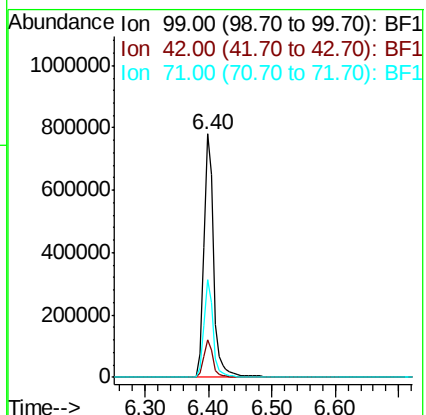
Tot Ion: 99 Resp: 821608

Ion Ratio Lower Upper

99 100

42 15.4 12.6 18.8

71 39.9 31.0 46.4



#19

n-Nitroso-di-n-propylamine

Concen: 13.942 ng

RT: 7.30 min Scan# 887

Delta R.T. 0.13 min

Lab File: BF119200.D

Acq: 4 Mar 2020 17:53

Tgt Ion: 70 Resp: 73276

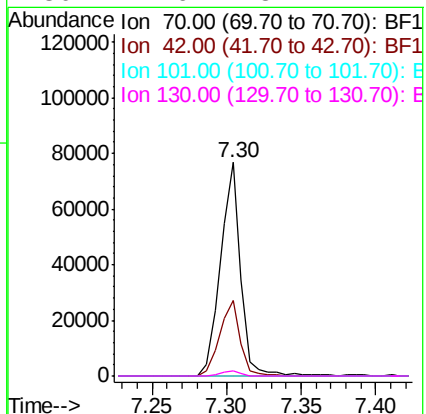
Ion Ratio Lower Upper

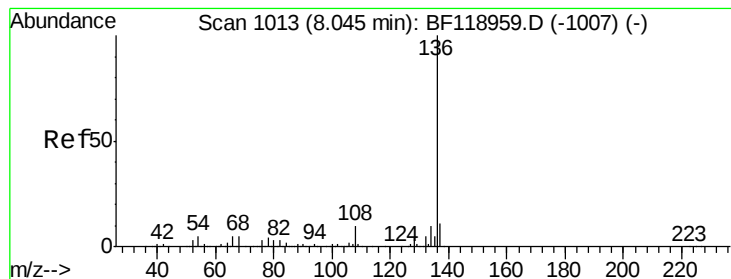
70 100

42 35.3 38.0 57.0#

101 0.0 8.2 12.4#

130 2.6 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.01 min

Lab File: BF119200.D

Acq: 4 Mar 2020 17:53

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 477754

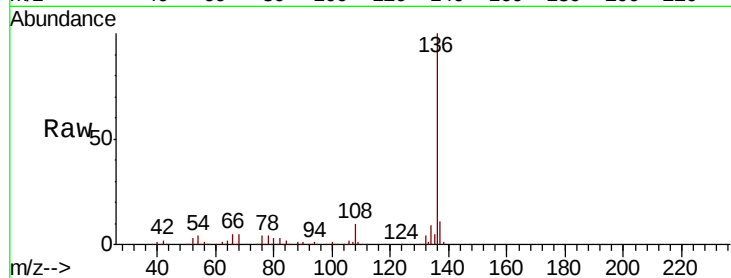
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 4.5 3.8 5.6

68 4.6 3.9 5.9

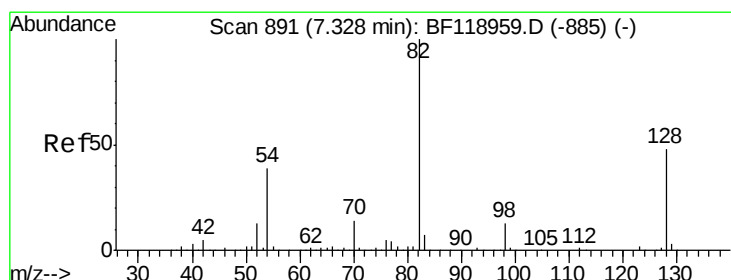
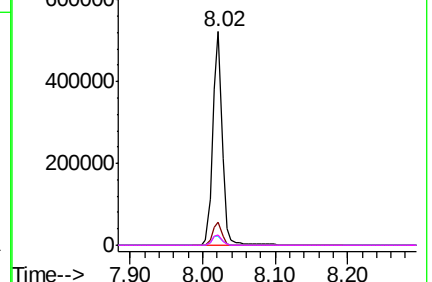
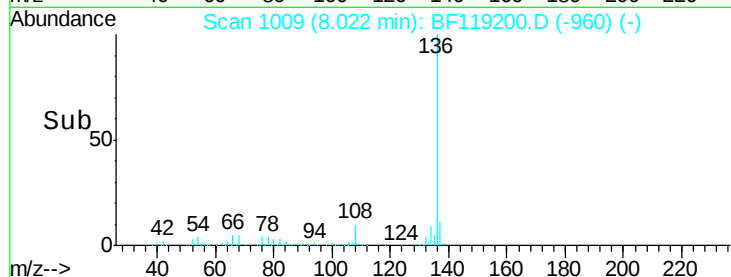


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.042 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.02 min

Lab File: BF119200.D

Acq: 4 Mar 2020 17:53

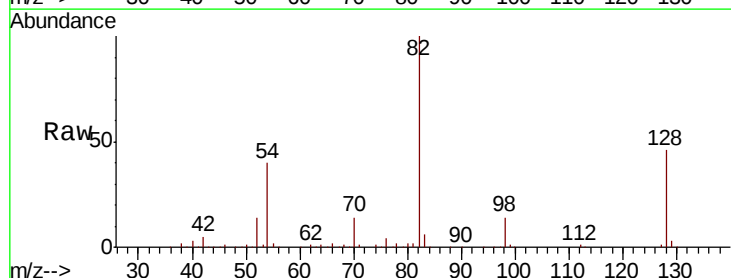
Tgt Ion: 82 Resp: 534232

Ion Ratio Lower Upper

82 100

128 46.1 37.9 56.9

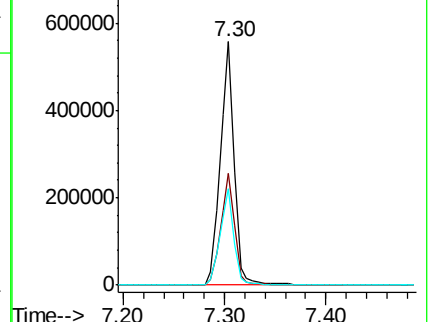
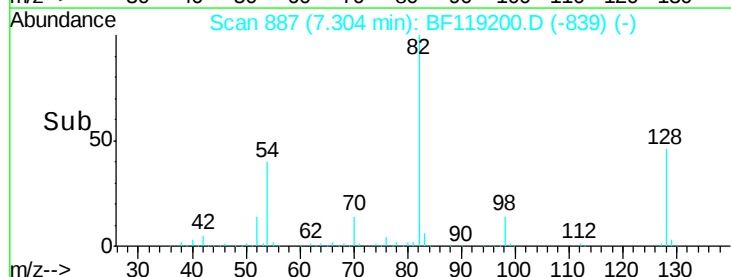
54 39.7 33.4 50.2

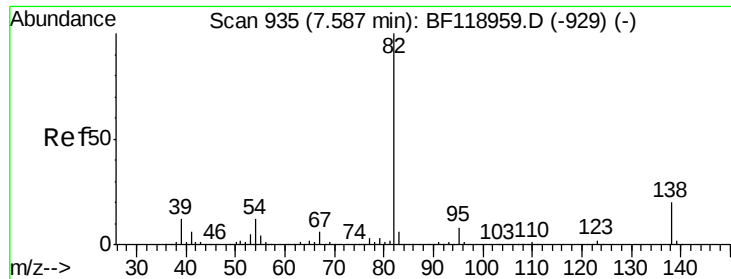


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

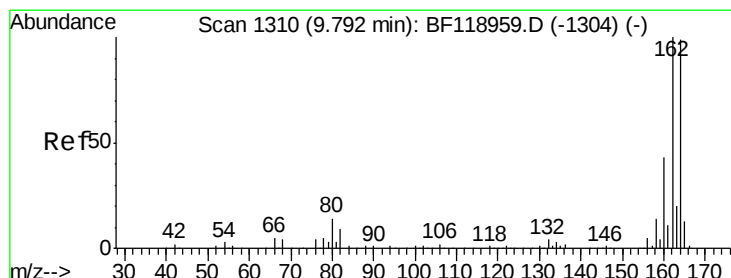
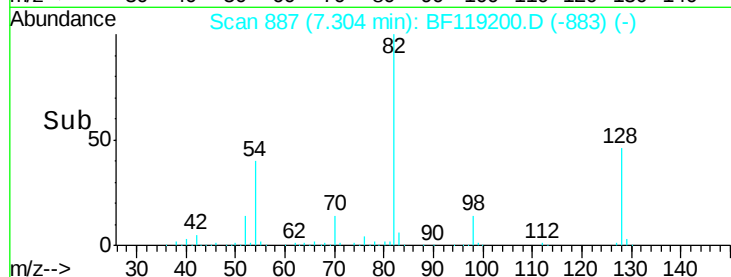
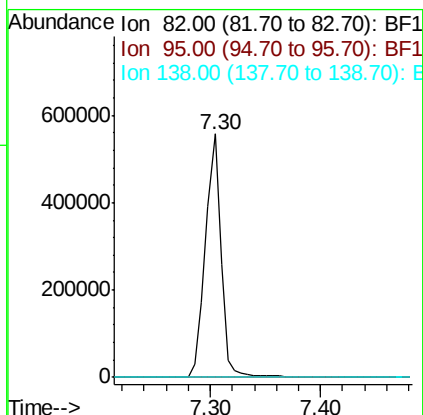
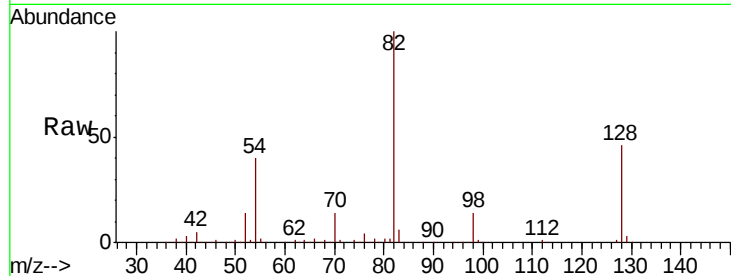




#25  
Isophorone  
Concen: 33.553 ng  
RT: 7.30 min Scan# 887  
Delta R.T. -0.28 min  
Lab File: BF119200.D  
Acq: 4 Mar 2020 17:53

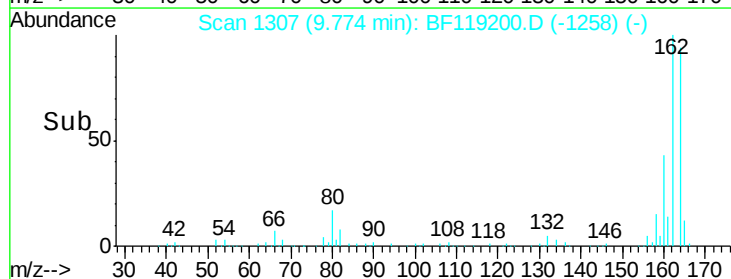
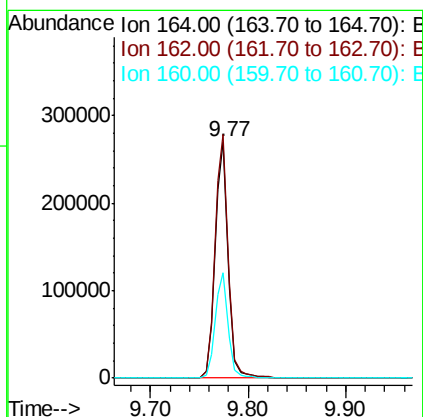
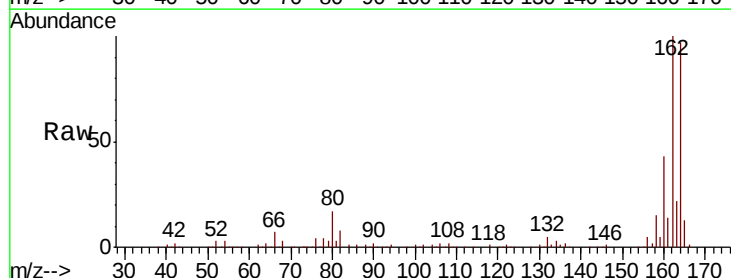
Instrument :  
BNA\_F  
ClientSampleId :

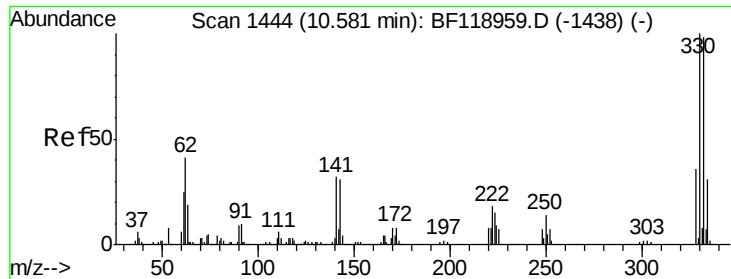
Tot Ion: 82 Resp: 527268  
Ion Ratio Lower Upper  
82 100  
95 0.0 6.4 9.6#  
138 0.0 15.7 23.5#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.77 min Scan# 1307  
Delta R.T. -0.01 min  
Lab File: BF119200.D  
Acq: 4 Mar 2020 17:53

Tgt Ion: 164 Resp: 248450  
Ion Ratio Lower Upper  
164 100  
162 103.1 81.8 122.8  
160 44.8 36.0 54.0

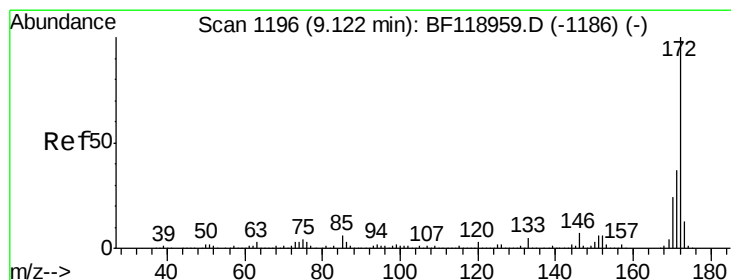
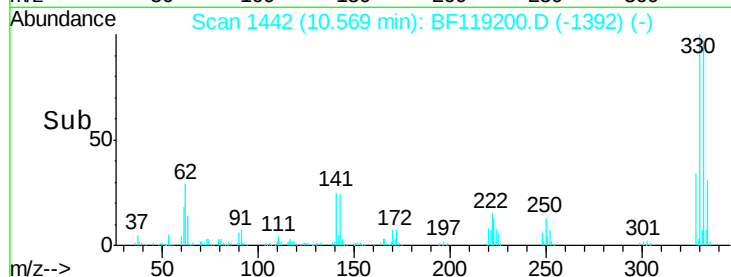
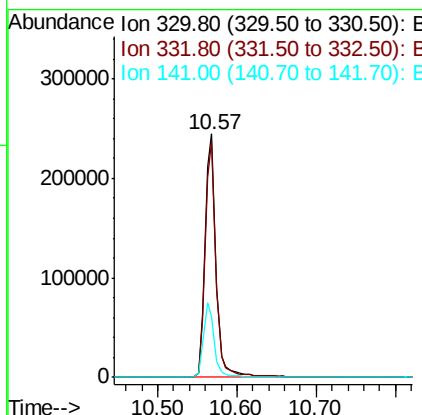
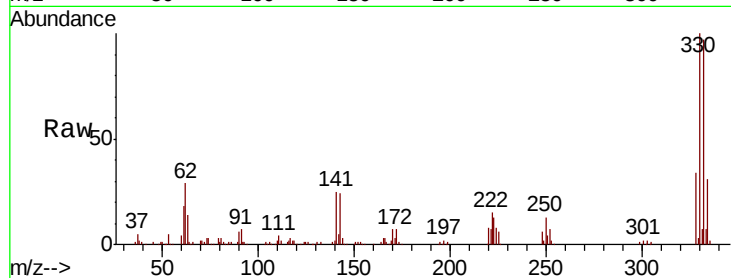




#42  
 2,4,6-Tribromophenol  
 Concen: 74.450 ng  
 RT: 10.57 min Scan# 1442  
 Delta R.T. -0.01 min  
 Lab File: BF119200.D  
 Acq: 4 Mar 2020 17:53

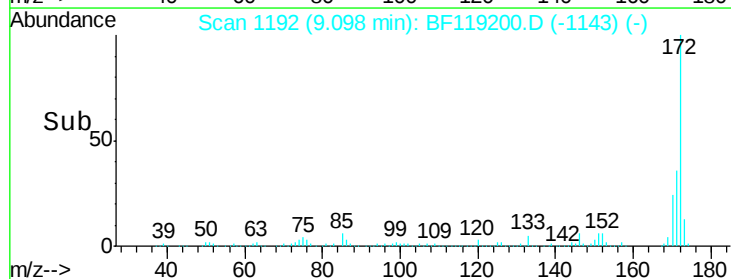
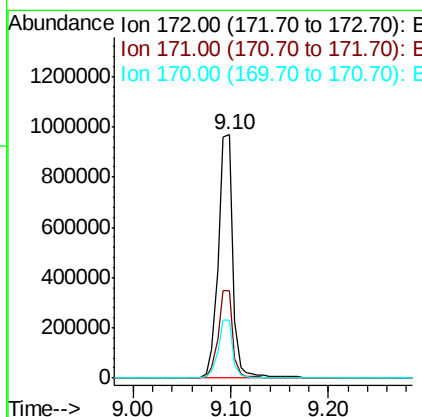
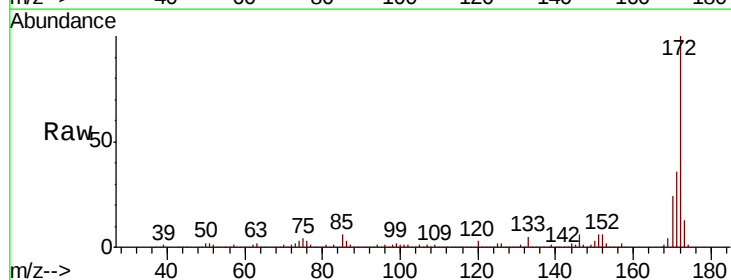
Instrument :  
 BNA\_F  
 ClientSampleId :

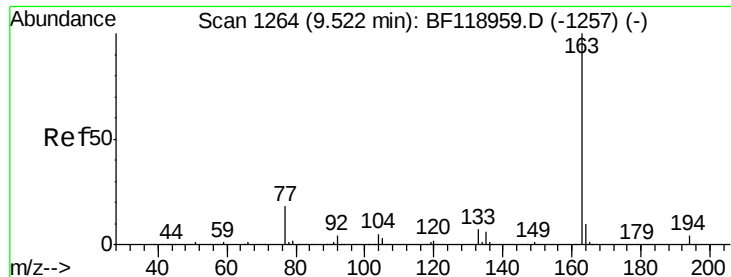
Tot Ion:330 Resp: 241972  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 76.0 114.0  
 141 30.3 22.9 34.3



#45  
 2-Fluorobiphenyl  
 Concen: 60.174 ng  
 RT: 9.10 min Scan# 1192  
 Delta R.T. -0.01 min  
 Lab File: BF119200.D  
 Acq: 4 Mar 2020 17:53

Tgt Ion:172 Resp: 1014838  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 30.6 45.8  
 170 23.8 20.2 30.2

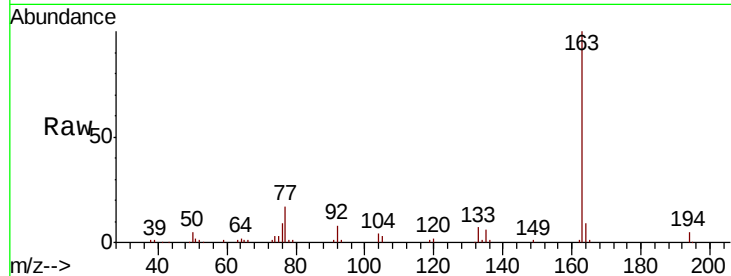




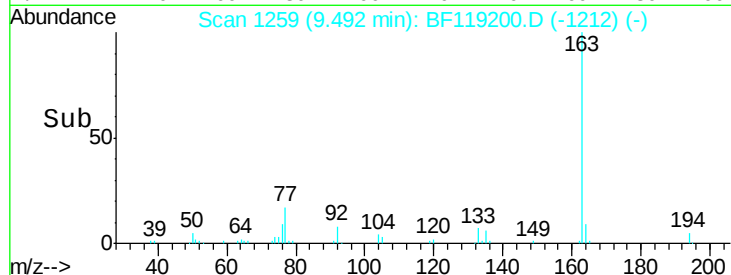
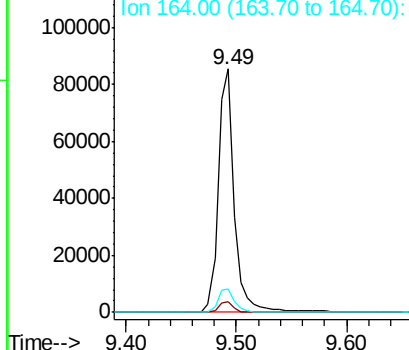
#50  
Dimethylphthalate  
Concen: 4.525 ng  
RT: 9.49 min Scan# 1259  
Delta R.T. -0.02 min  
Lab File: BF119200.D  
Acq: 4 Mar 2020 17:53

Instrument :  
BNA\_F  
ClientSampled :

Tot Ion:163 Resp: 85972  
Ion Ratio Lower Upper  
163 100  
194 4.5 3.5 5.3  
164 9.4 8.4 12.6

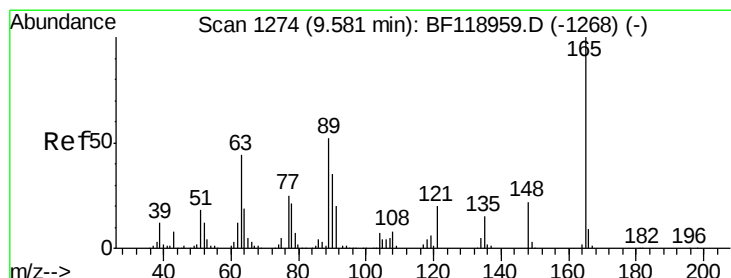


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

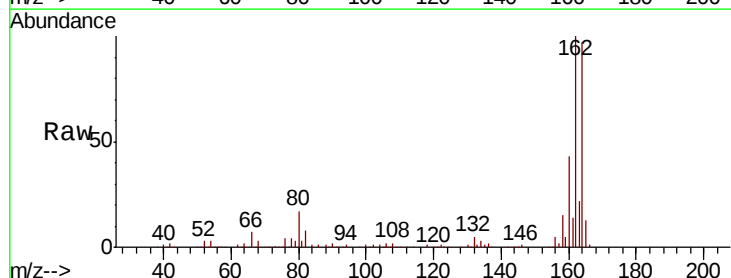
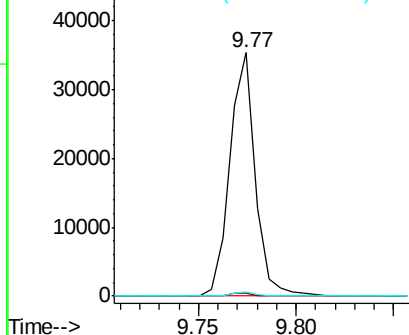


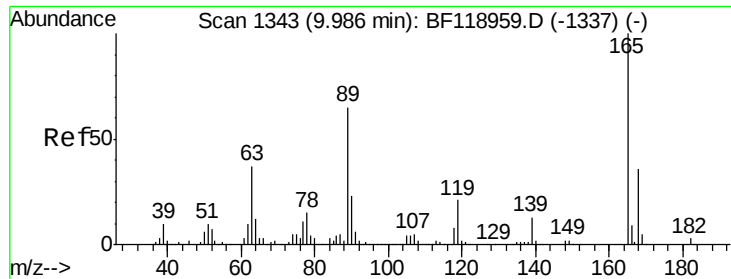
#51  
2,6-Dinitrotoluene  
Concen: 7.569 ng  
RT: 9.77 min Scan# 1307  
Delta R.T. 0.19 min  
Lab File: BF119200.D  
Acq: 4 Mar 2020 17:53

Tgt Ion:165 Resp: 31949  
Ion Ratio Lower Upper  
165 100  
63 1.1 34.3 51.5#  
89 1.7 38.3 57.5#



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

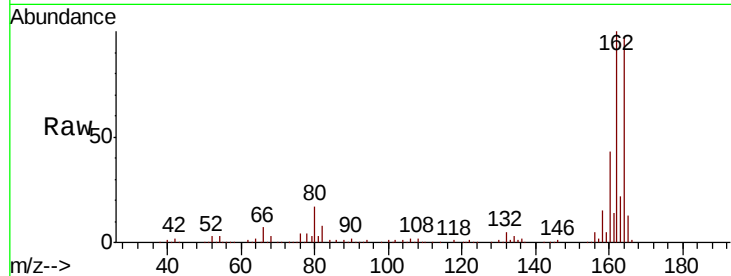




#57  
 2,4-Dinitrotoluene  
 Concen: 5.840 ng  
 RT: 9.77 min Scan# 1307  
 Delta R.T. -0.21 min  
 Lab File: BF119200.D  
 Acq: 4 Mar 2020 17:53

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 42.3  | 63.5# |
| 89      | 1.7   | 60.2  | 90.4# |
| 182     | 0.0   | 2.3   | 3.5#  |

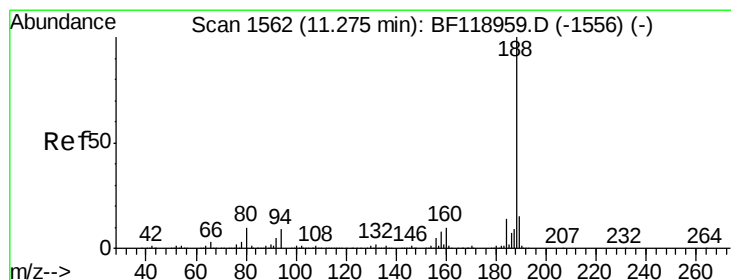
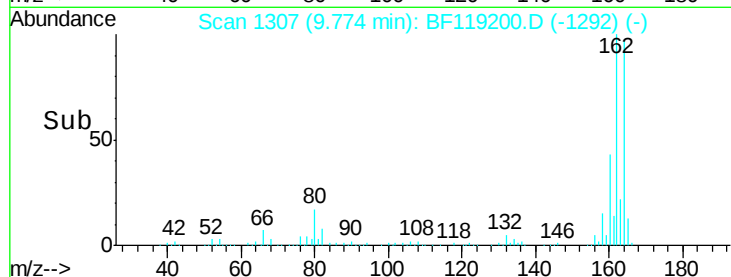
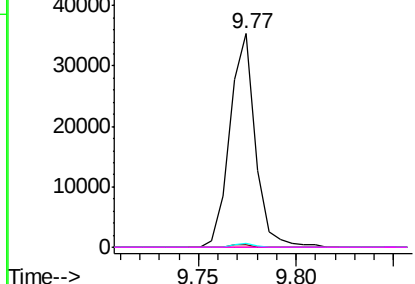


Abundance Ion 165.00 (164.70 to 165.70): E

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



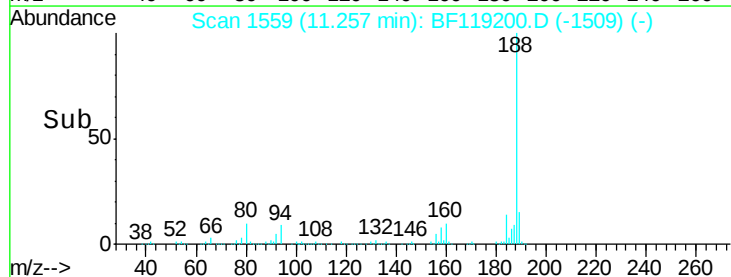
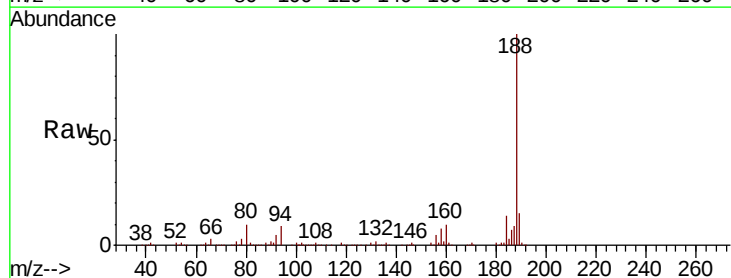
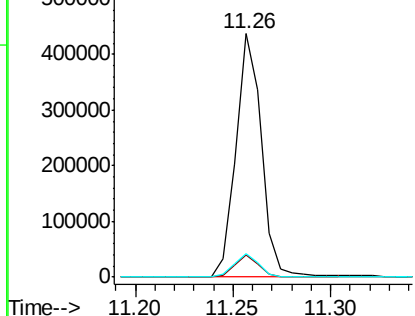
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.26 min Scan# 1559  
 Delta R.T. -0.01 min  
 Lab File: BF119200.D  
 Acq: 4 Mar 2020 17:53

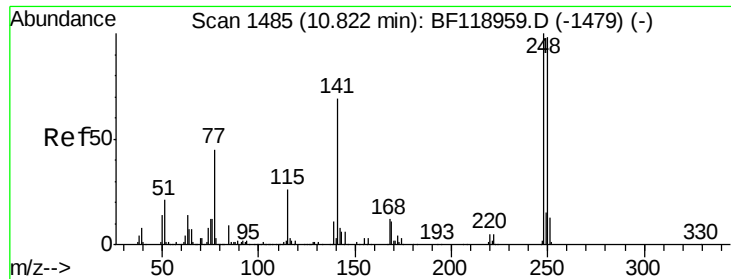
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.0   | 7.1   | 10.7  |
| 80      | 9.6   | 7.8   | 11.8  |

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

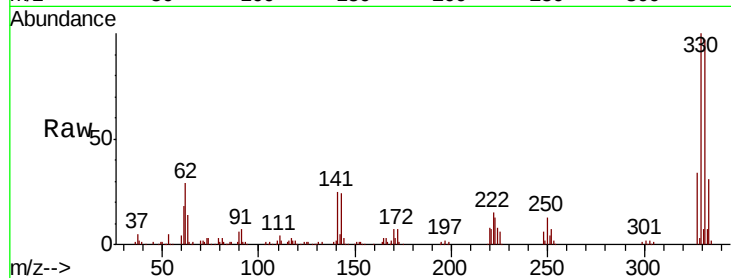




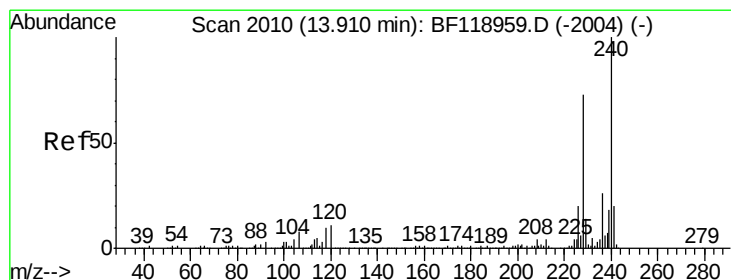
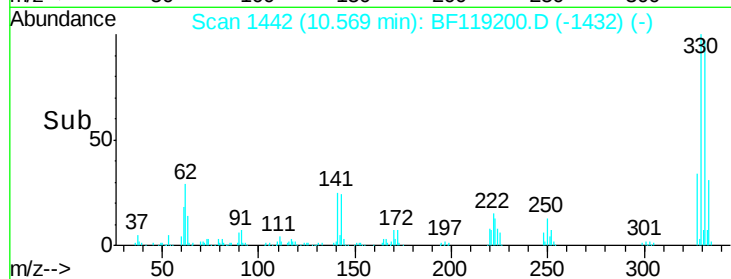
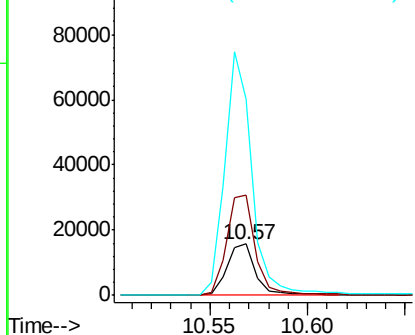
#67  
4-Bromophenyl-phenylether  
Concen: 3.071 ng  
RT: 10.57 min Scan# 1442  
Delta R.T. -0.24 min  
Lab File: BF119200.D  
Acq: 4 Mar 2020 17:53

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 15921  
Ion Ratio Lower Upper  
248 100  
250 193.8 76.7 115.1#  
141 381.9 60.7 91.1#

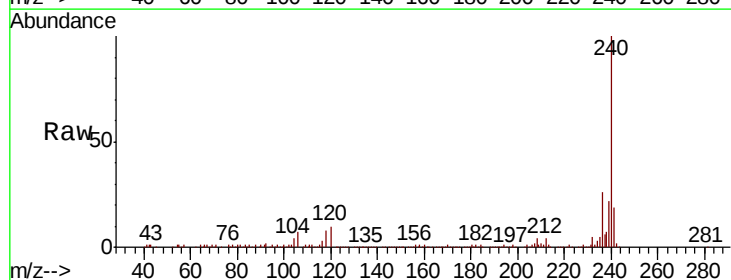


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

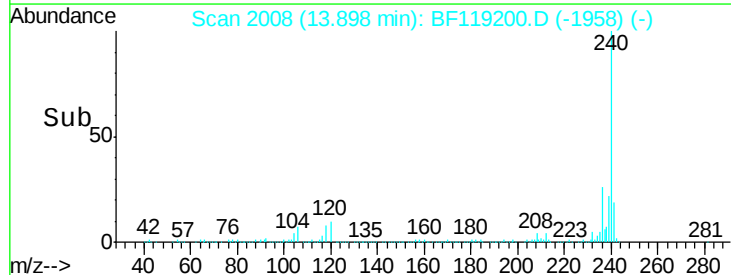
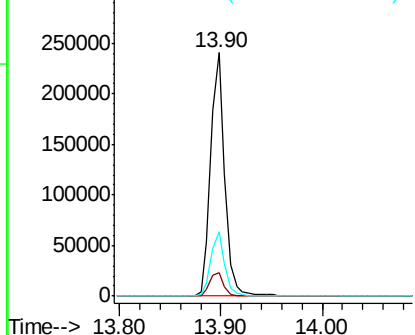


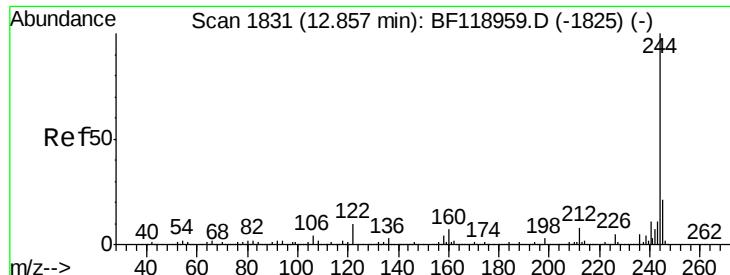
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.90 min Scan# 2008  
Delta R.T. -0.01 min  
Lab File: BF119200.D  
Acq: 4 Mar 2020 17:53

Tgt Ion:240 Resp: 233405  
Ion Ratio Lower Upper  
240 100  
120 9.6 8.4 12.6  
236 26.3 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

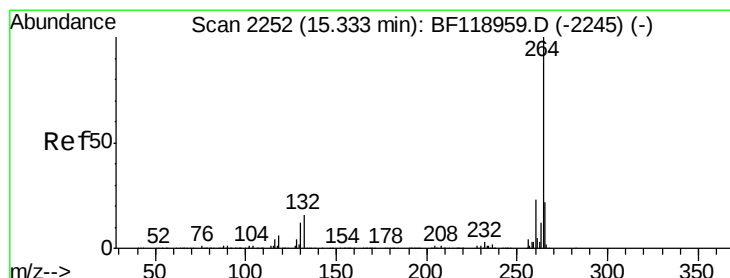
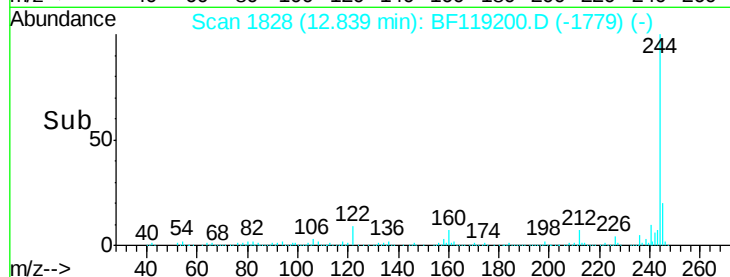
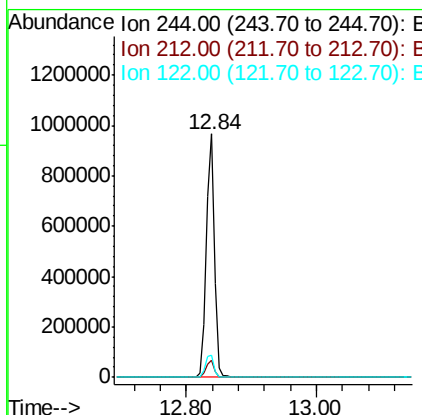
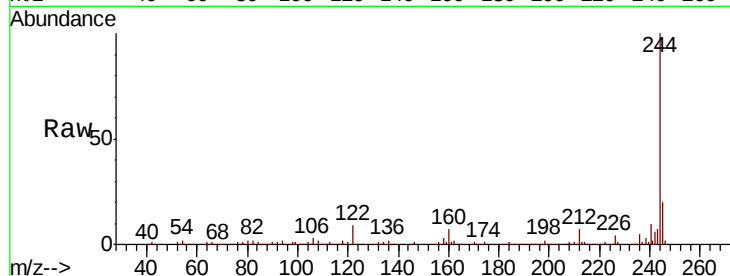




#79  
 Terphenyl-d14  
 Concen: 61.479 ng  
 RT: 12.84 min Scan# 1828  
 Delta R.T. -0.01 min  
 Lab File: BF119200.D  
 Acq: 4 Mar 2020 17:53

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.0   | 6.6   | 10.0  |
| 122     | 9.3   | 8.2   | 12.2  |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.33 min Scan# 2251  
 Delta R.T. 0.01 min  
 Lab File: BF119200.D  
 Acq: 4 Mar 2020 17:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 19.4  | 29.2  |
| 265     | 21.4  | 17.7  | 26.5  |

