

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF021919\  
 Data File : BF112623.D  
 Acq On : 19 Feb 2019 16:14  
 Operator : JU/SJ  
 Sample : K1515-10  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TS-10

Quant Time: Feb 19 23:36:32 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF012519.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 28 10:38:18 2019  
 Response via : Initial Calibration

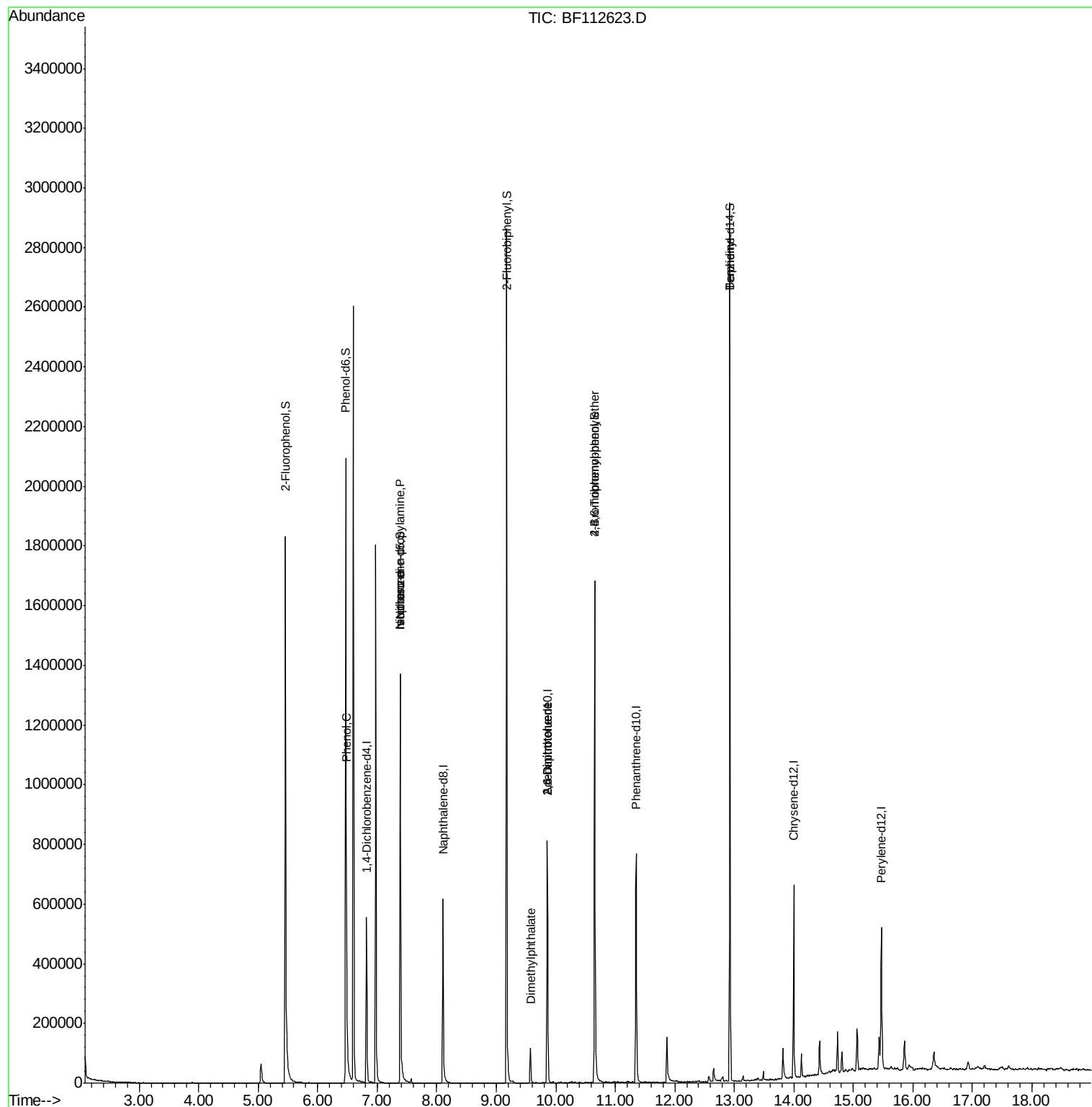
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.82  | 152  | 84911    | 20.00  | ng    | -0.02     |
| 21) Naphthalene-d8             | 8.10  | 136  | 333443   | 20.00  | ng    | -0.02     |
| 39) Acenaphthene-d10           | 9.86  | 164  | 160147   | 20.00  | ng    | -0.03     |
| 64) Phenanthrene-d10           | 11.35 | 188  | 313571   | 20.00  | ng    | -0.02     |
| 76) Chrysene-d12               | 14.00 | 240  | 227658   | 20.00  | ng    | -0.01     |
| 87) Perylene-d12               | 15.47 | 264  | 225150   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.46  | 112  | 601587   | 150.49 | ng    | -0.02     |
| 7) Phenol-d6                   | 6.47  | 99   | 754978   | 135.91 | ng    | -0.02     |
| 23) Nitrobenzene-d5            | 7.39  | 82   | 490203   | 84.71  | ng    | -0.02     |
| 42) 2,4,6-Tribromophenol       | 10.66 | 330  | 250636   | 134.46 | ng    | -0.02     |
| 45) 2-Fluorobiphenyl           | 9.17  | 172  | 943029   | 83.28  | ng    | -0.03     |
| 79) Terphenyl-d14              | 12.93 | 244  | 944975   | 78.18  | ng    | -0.02     |
| Target Compounds               |       |      |          |        |       |           |
| 10) Phenol                     | 6.49  | 94   | 24225    | 3.975  | ng    | Qvalue 94 |
| 19) n-Nitroso-di-n-propylamine | 7.39  | 70   | 68036    | 17.763 | ng    | # 75      |
| 25) Isophorone                 | 7.39  | 82   | 490199   | 53.996 | ng    | # 63      |
| 50) Dimethylphthalate          | 9.57  | 163  | 60937    | 4.897  | ng    | 97        |
| 51) 2,6-Dinitrotoluene         | 9.86  | 165  | 20941    | 7.515  | ng    | # 34      |
| 57) 2,4-Dinitrotoluene         | 9.86  | 165  | 20941    | 5.903  | ng    | # 32      |
| 67) 4-Bromophenyl-phenylether  | 10.65 | 248  | 14439    | 3.915  | ng    | # 1       |
| 77) Benzidine                  | 12.93 | 184  | 13501    | 2.155  | ng    | # 96      |

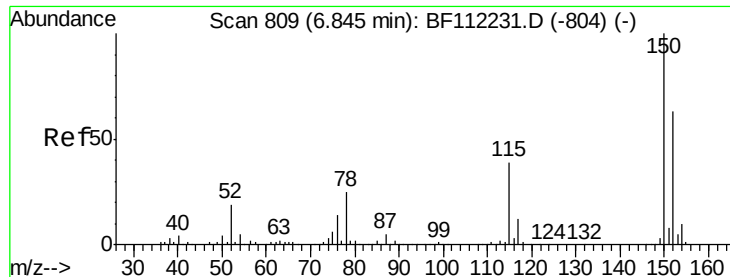
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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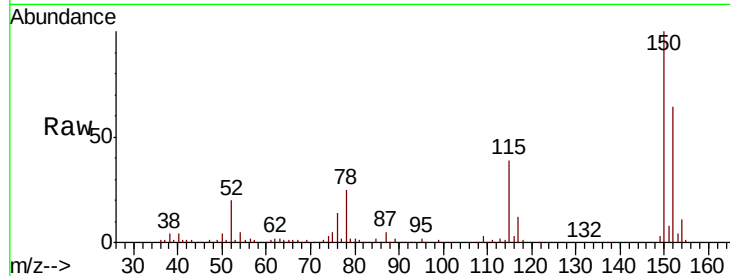


#1

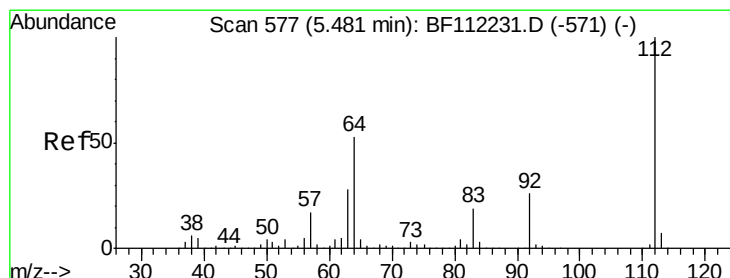
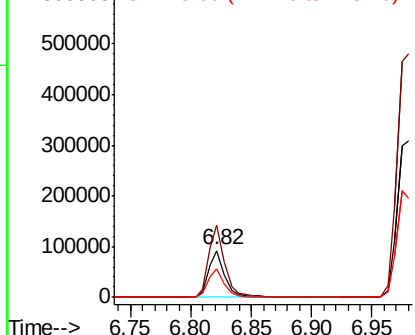
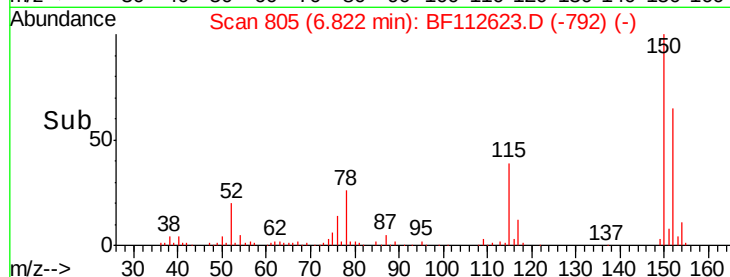
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.82 min Scan# 805  
Delta R.T. -0.02 min  
Lab File: BF112623.D  
Acq: 19 Feb 2019 16:14

Instrument :  
BNA\_F  
ClientSampleId :  
TS-10

Tgt Ion:152 Resp: 84911  
Ion Ratio Lower Upper  
152 100  
150 155.5 127.4 191.0  
115 60.5 45.5 68.3



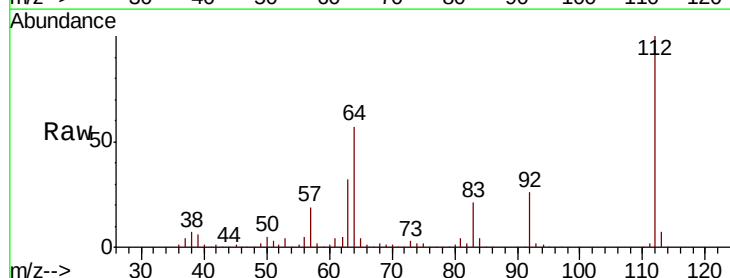
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



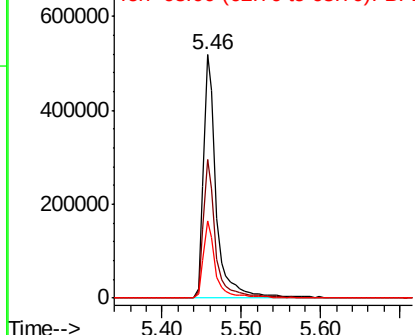
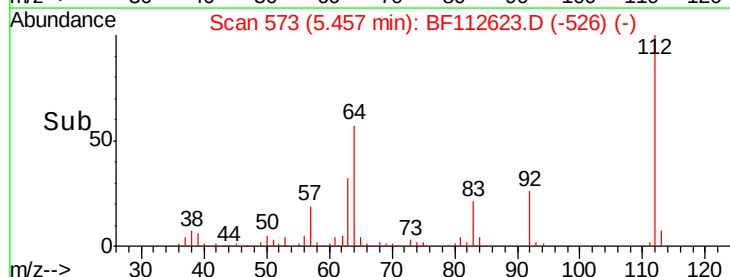
#5

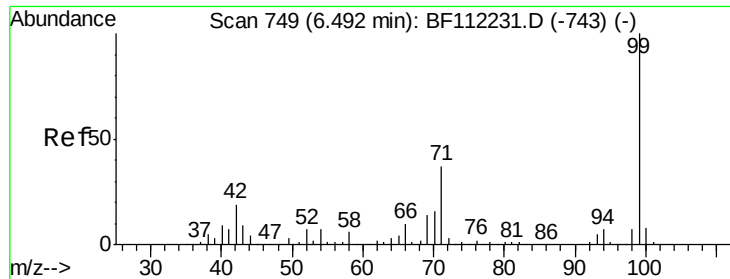
2-Fluorophenol  
Concen: 150.488 ng  
RT: 5.46 min Scan# 573  
Delta R.T. -0.02 min  
Lab File: BF112623.D  
Acq: 19 Feb 2019 16:14

Tgt Ion:112 Resp: 601587  
Ion Ratio Lower Upper  
112 100  
64 56.8 45.7 68.5  
63 31.9 23.6 35.4



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: 135.914 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF112623.D

Acq: 19 Feb 2019 16:14

Instrument :

BNA\_F

ClientSampled :

TS-10

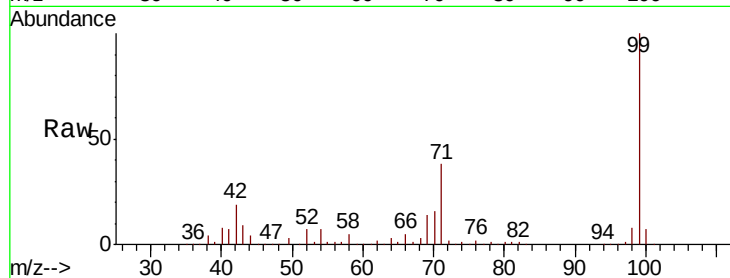
Tgt Ion: 99 Resp: 754978

Ion Ratio Lower Upper

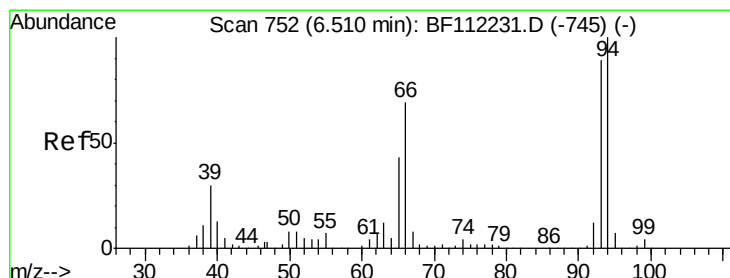
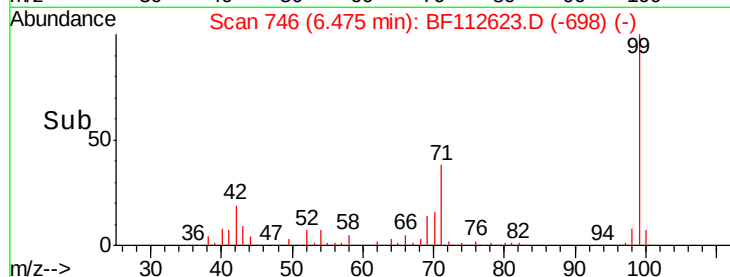
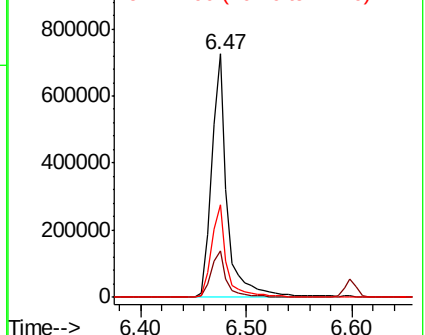
99 100

42 19.0 15.1 22.7

71 38.2 26.9 40.3



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: 3.975 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF112623.D

Acq: 19 Feb 2019 16:14

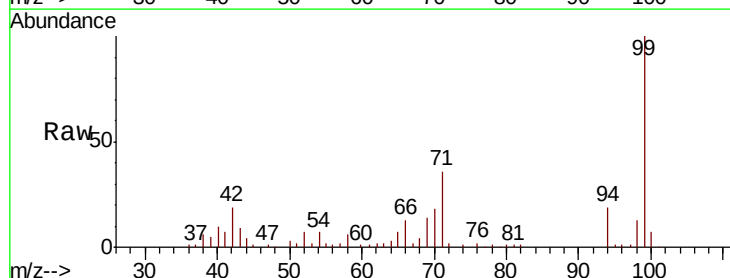
Tgt Ion: 94 Resp: 24225

Ion Ratio Lower Upper

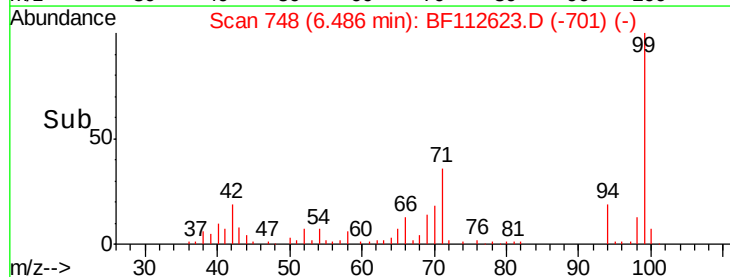
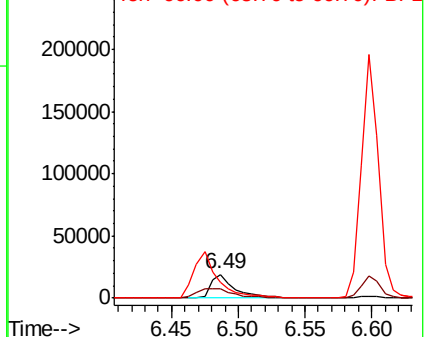
94 100

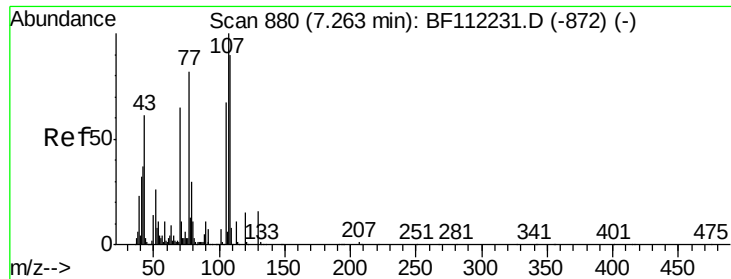
65 37.7 20.3 60.3

66 68.2 42.4 82.4



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

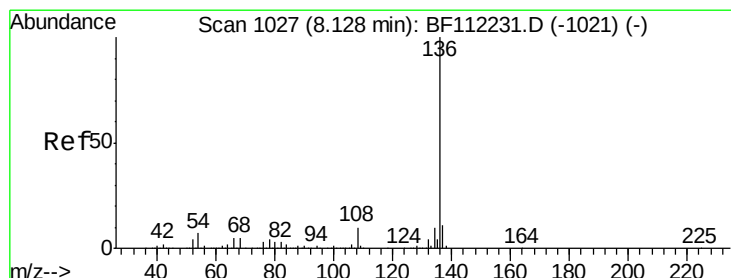
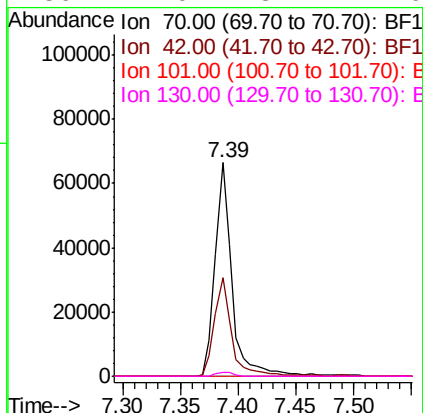
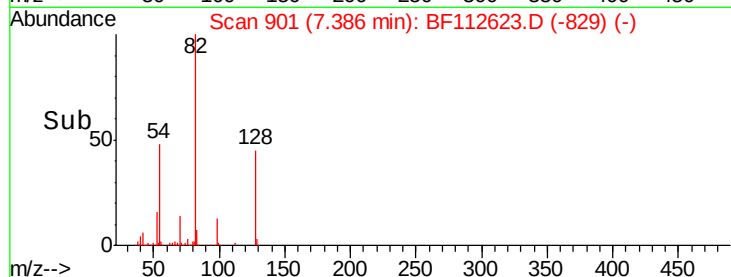
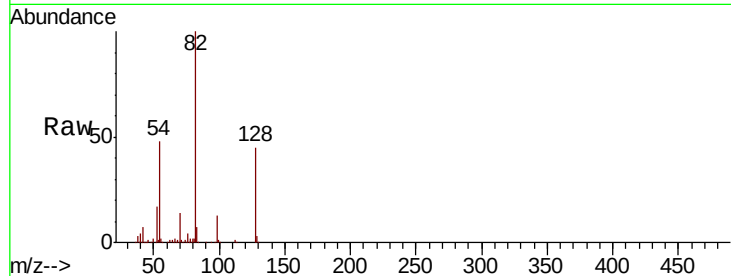




#19  
n-Nitroso-di-n-propylamine  
Concen: 17.763 ng  
RT: 7.39 min Scan# 901  
Delta R.T. 0.12 min  
Lab File: BF112623.D  
Acq: 19 Feb 2019 16:14

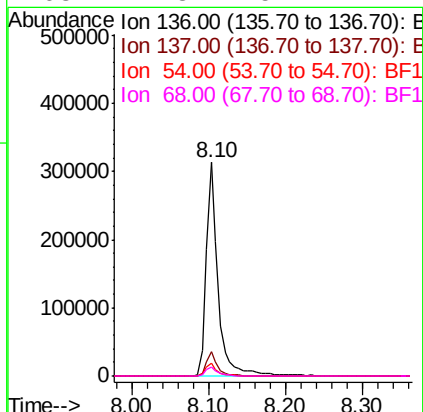
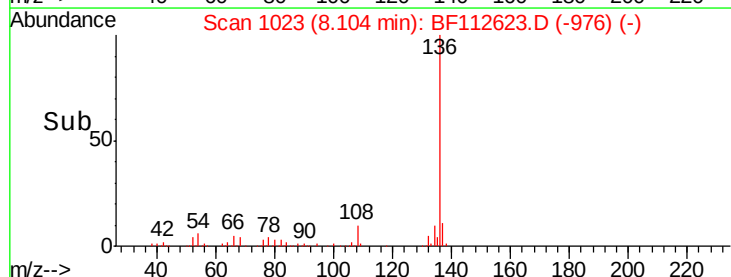
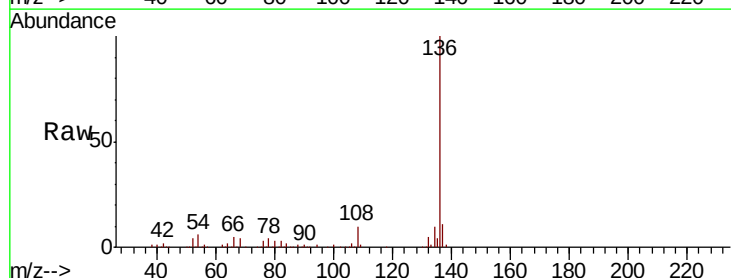
Instrument :  
BNA\_F  
ClientSampleId :  
TS-10

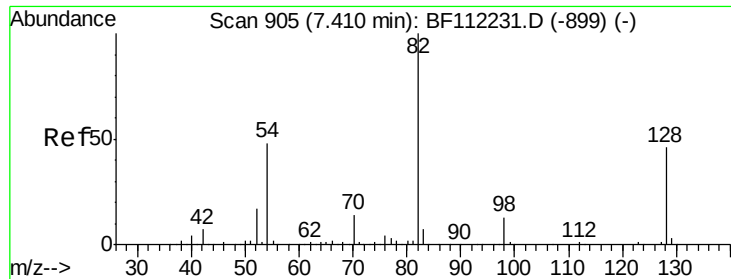
Tgt Ion: 70 Resp: 68036  
Ion Ratio Lower Upper  
70 100  
42 46.1 47.6 71.4#  
101 0.0 7.9 11.9#  
130 2.0 18.4 27.6#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.10 min Scan# 1023  
Delta R.T. -0.02 min  
Lab File: BF112623.D  
Acq: 19 Feb 2019 16:14

Tgt Ion: 136 Resp: 333443  
Ion Ratio Lower Upper  
136 100  
137 11.1 9.1 13.7  
54 6.3 5.9 8.9  
68 4.3 5.1 7.7#

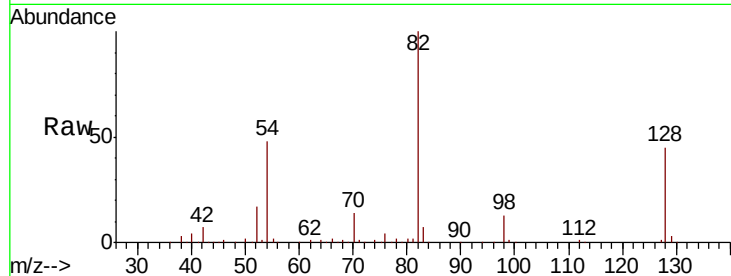




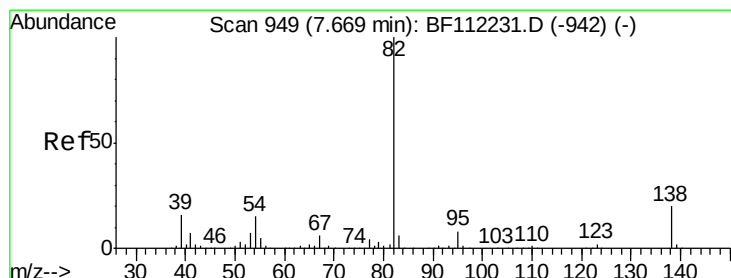
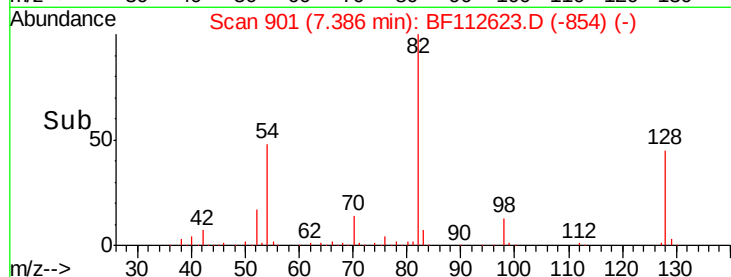
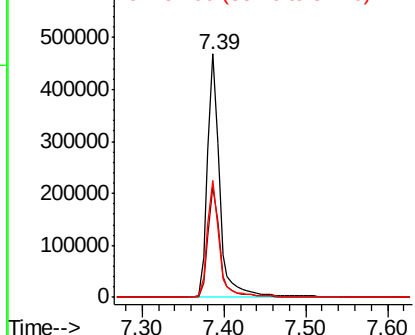
#23  
 Nitrobenzene-d5  
 Concen: 84.708 ng  
 RT: 7.39 min Scan# 901  
 Delta R.T. -0.02 min  
 Lab File: BF112623.D  
 Acq: 19 Feb 2019 16:14

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TS-10

Tgt Ion: 82 Resp: 490203  
 Ion Ratio Lower Upper  
 82 100  
 128 45.4 37.8 56.8  
 54 48.1 39.7 59.5

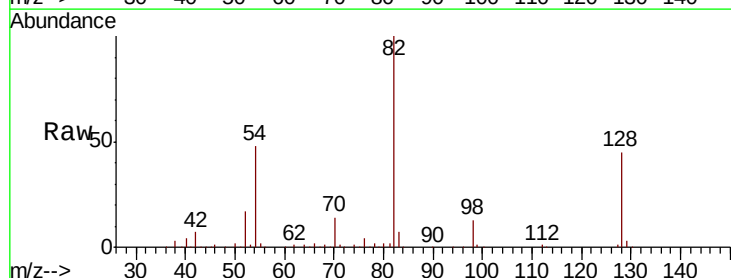


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

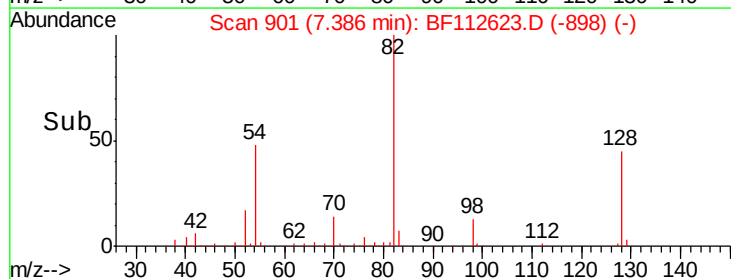
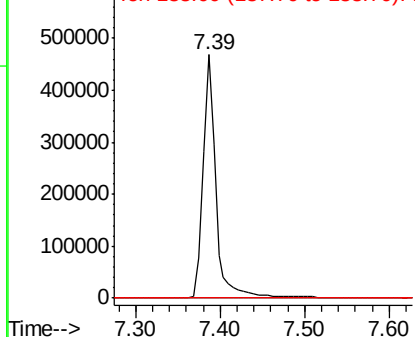


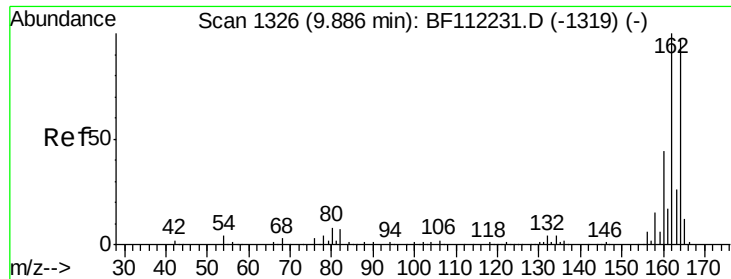
#25  
 Isophorone  
 Concen: 53.996 ng  
 RT: 7.39 min Scan# 901  
 Delta R.T. -0.28 min  
 Lab File: BF112623.D  
 Acq: 19 Feb 2019 16:14

Tgt Ion: 82 Resp: 490199  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.7 8.5#  
 138 0.0 15.4 23.0#



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

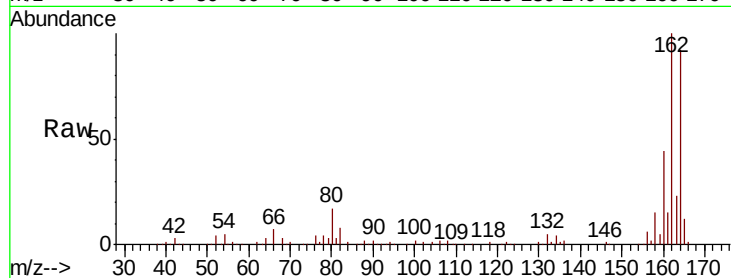




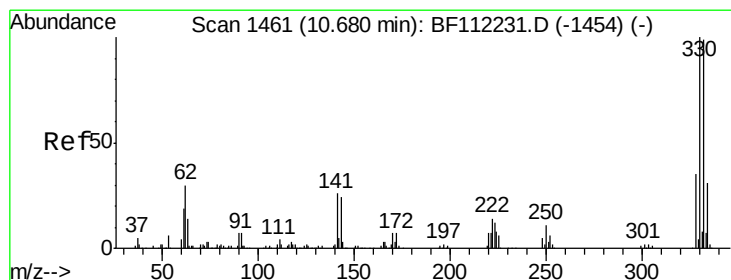
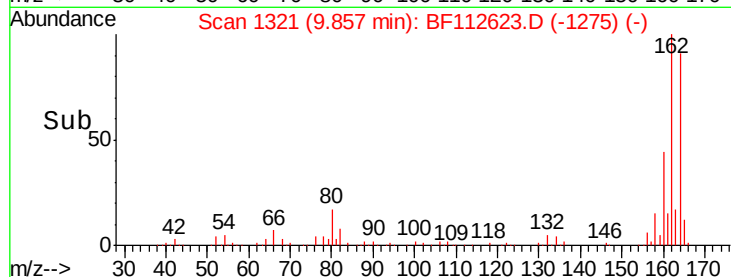
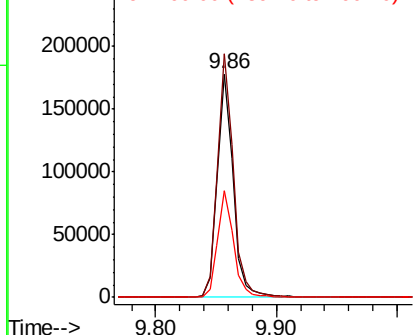
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.86 min Scan# 1321  
Delta R.T. -0.03 min  
Lab File: BF112623.D  
Acq: 19 Feb 2019 16:14

Instrument :  
BNA\_F  
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TS-10

Tgt Ion:164 Resp: 160147  
Ion Ratio Lower Upper  
164 100  
162 108.9 82.2 123.4  
160 47.7 36.2 54.4

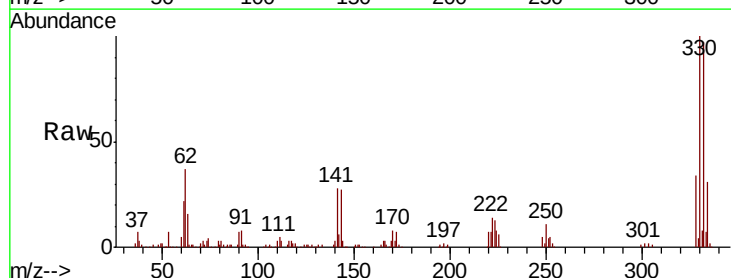


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

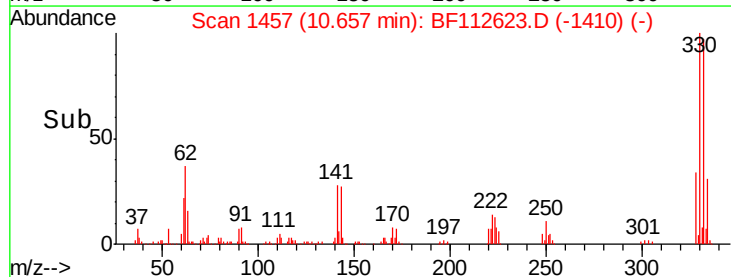
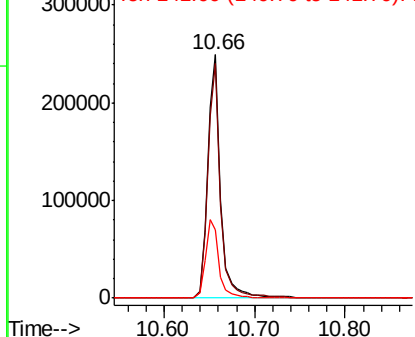


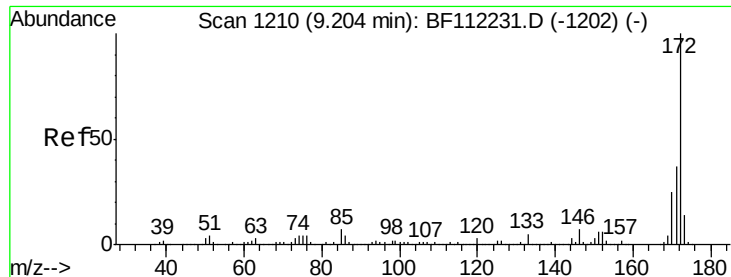
#42  
2,4,6-Tribromophenol  
Concen: 134.457 ng  
RT: 10.66 min Scan# 1457  
Delta R.T. -0.02 min  
Lab File: BF112623.D  
Acq: 19 Feb 2019 16:14

Tgt Ion:330 Resp: 250636  
Ion Ratio Lower Upper  
330 100  
332 95.5 76.6 114.8  
141 34.2 24.3 36.5



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

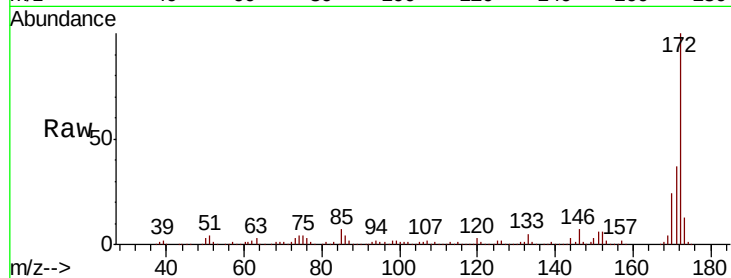




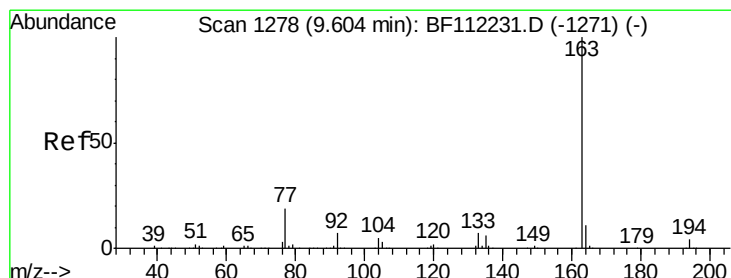
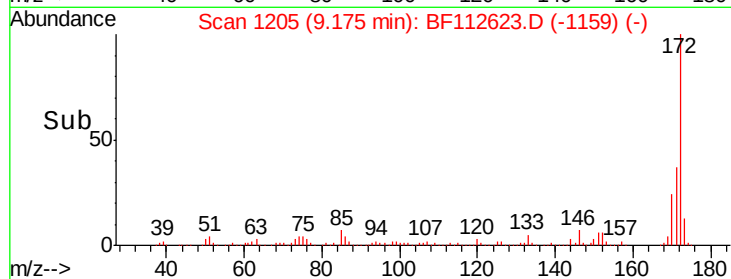
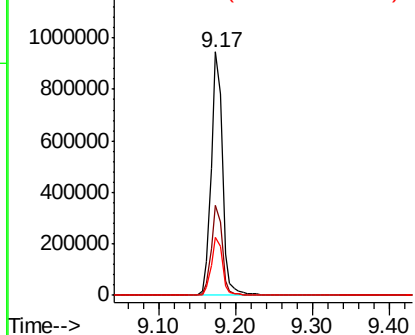
#45  
 2-Fluorobiphenyl  
 Concen: 83.284 ng  
 RT: 9.17 min Scan# 1205  
 Delta R.T. -0.03 min  
 Lab File: BF112623.D  
 Acq: 19 Feb 2019 16:14

Instrument :  
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Tgt Ion:172 Resp: 943029  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 30.5 45.7  
 170 23.7 20.2 30.4

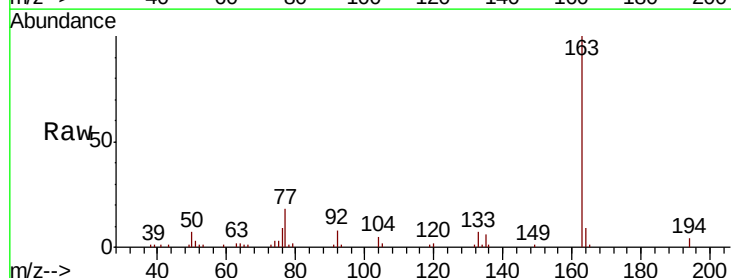


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

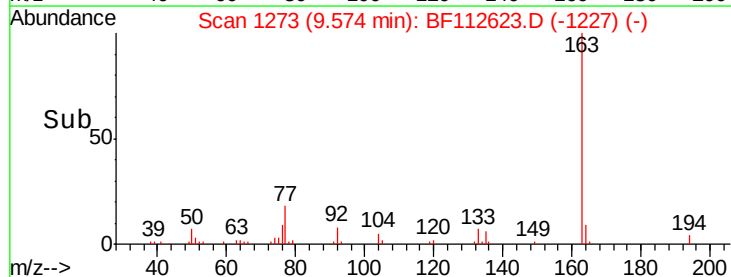
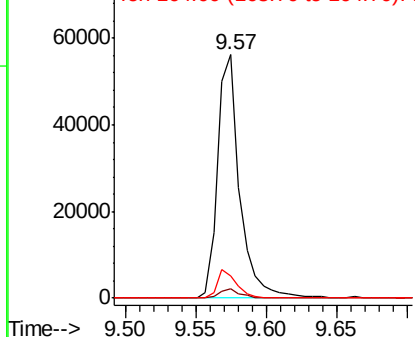


#50  
 Dimethylphthalate  
 Concen: 4.897 ng  
 RT: 9.57 min Scan# 1273  
 Delta R.T. -0.03 min  
 Lab File: BF112623.D  
 Acq: 19 Feb 2019 16:14

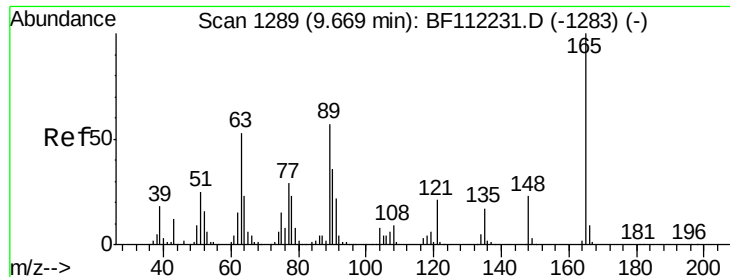
Tgt Ion:163 Resp: 60937  
 Ion Ratio Lower Upper  
 163 100  
 194 3.9 3.3 4.9  
 164 9.3 8.5 12.7



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: 7.515 ng

RT: 9.86 min Scan# 1321

Delta R.T. 0.19 min

Lab File: BF112623.D

Acq: 19 Feb 2019 16:14

Instrument :

BNA\_F

ClientSampleId :

TS-10

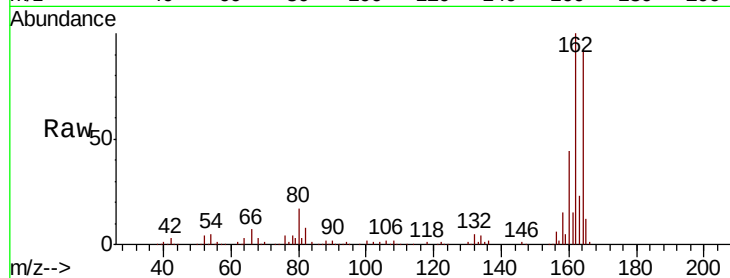
Tgt Ion:165 Resp: 20941

Ion Ratio Lower Upper

165 100

63 1.6 33.8 50.8#

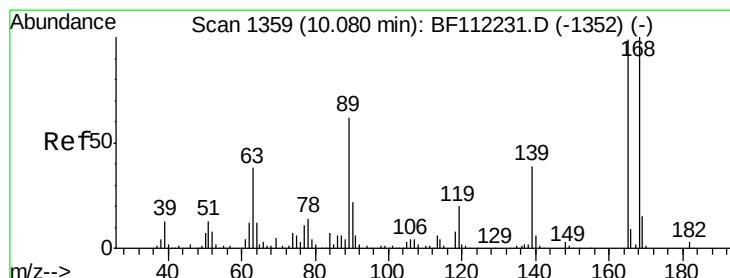
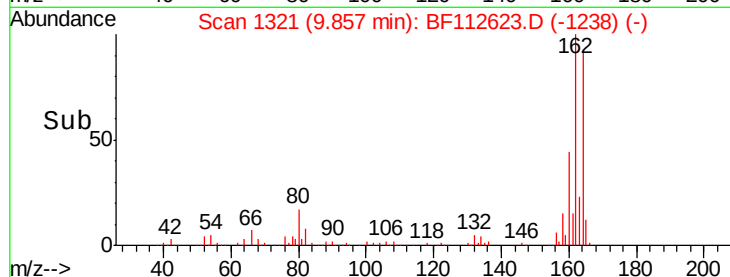
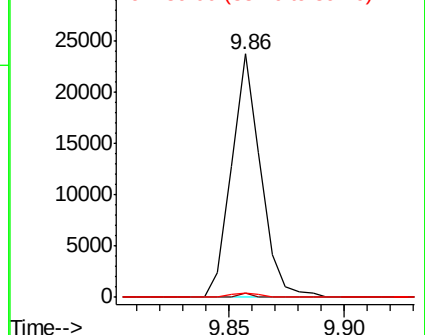
89 1.5 36.9 55.3#



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: 5.903 ng

RT: 9.86 min Scan# 1321

Delta R.T. -0.22 min

Lab File: BF112623.D

Acq: 19 Feb 2019 16:14

Tgt Ion:165 Resp: 20941

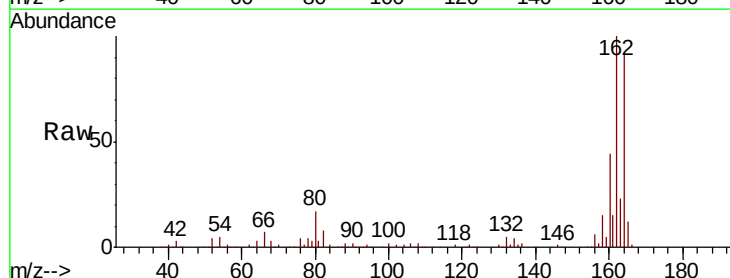
Ion Ratio Lower Upper

165 100

63 1.6 27.9 41.9#

89 1.5 47.9 71.9#

182 0.0 2.2 3.4#

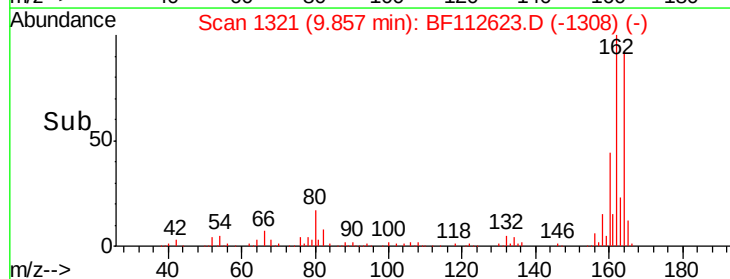
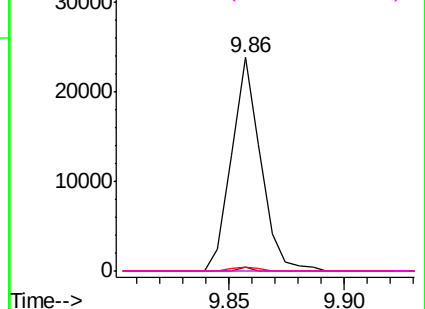


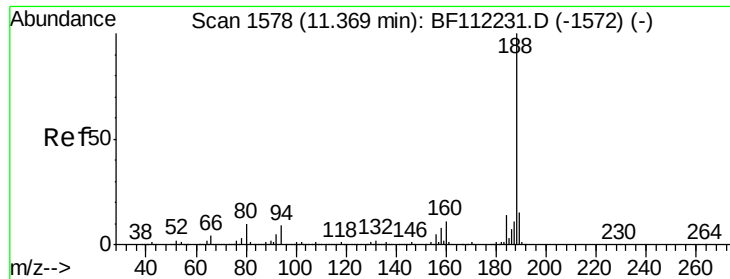
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.35 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF112623.D

Acq: 19 Feb 2019 16:14

Instrument :

BNA\_F

ClientSampleId :

TS-10

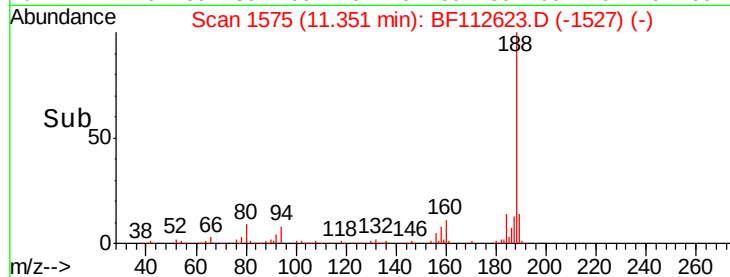
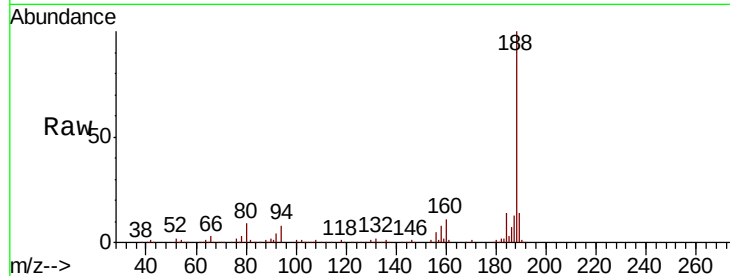
Tgt Ion:188 Resp: 313571

Ion Ratio Lower Upper

188 100

94 7.5 8.2 12.2#

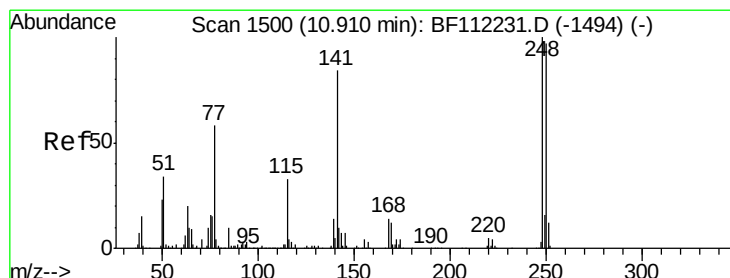
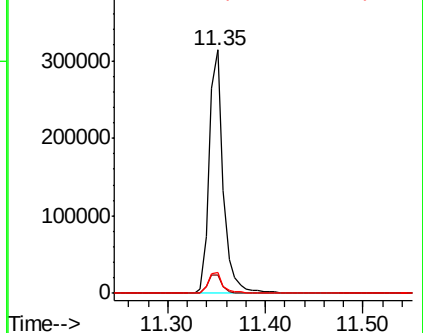
80 8.8 8.9 13.3#



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: 3.915 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.26 min

Lab File: BF112623.D

Acq: 19 Feb 2019 16:14

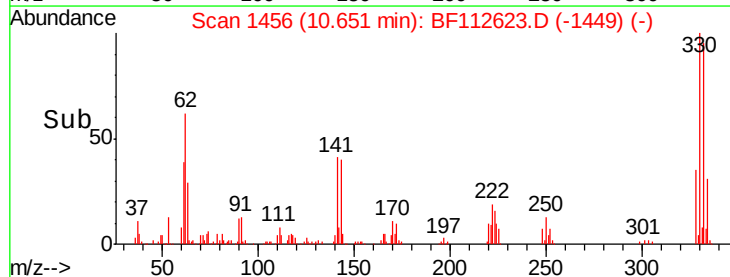
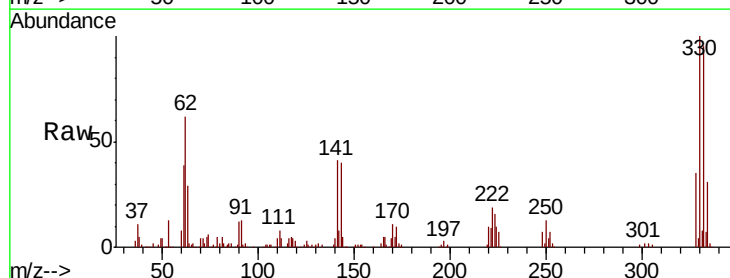
Tgt Ion:248 Resp: 14439

Ion Ratio Lower Upper

248 100

250 194.1 79.7 119.5#

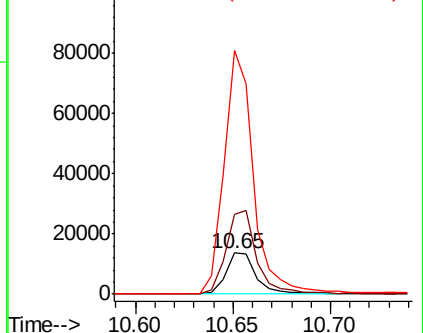
141 594.3 60.3 90.5#

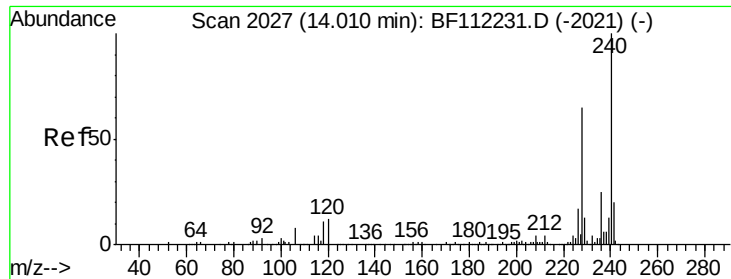


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

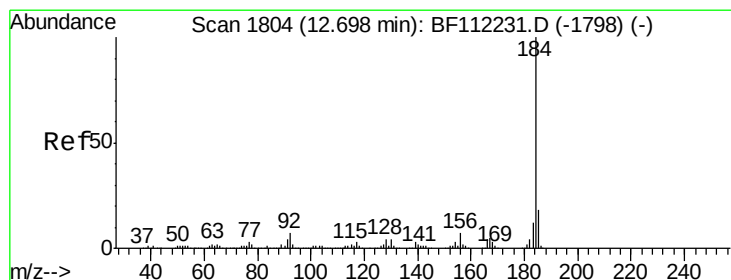
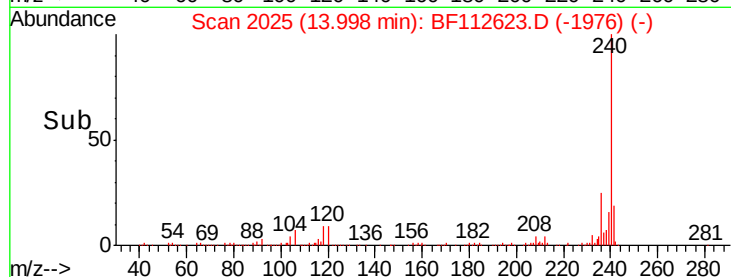
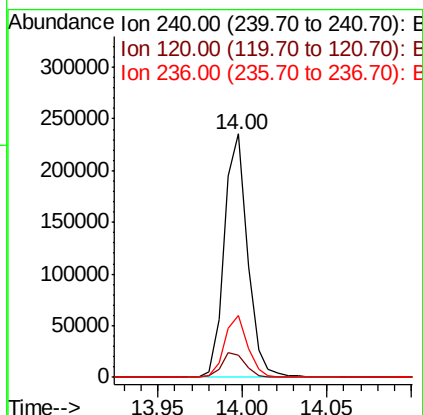
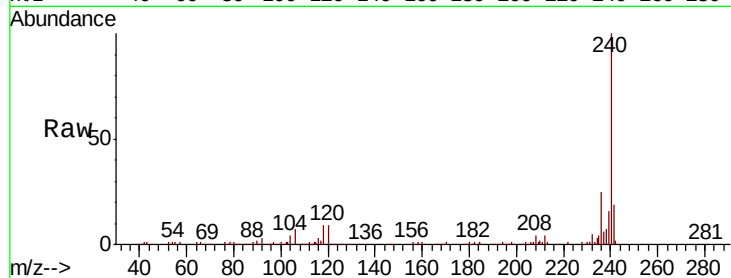




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.00 min Scan# 2025  
Delta R.T. -0.01 min  
Lab File: BF112623.D  
Acq: 19 Feb 2019 16:14

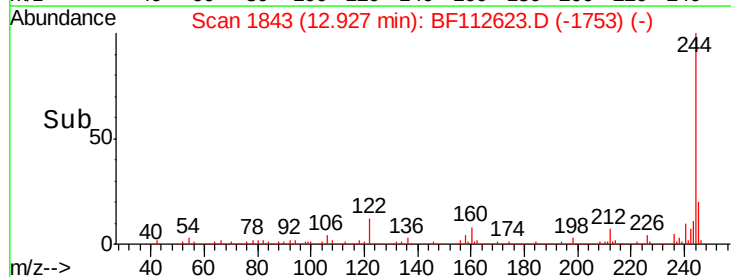
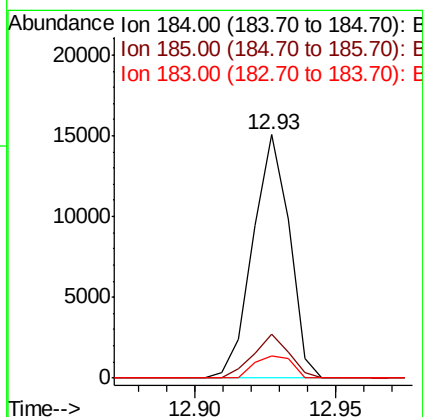
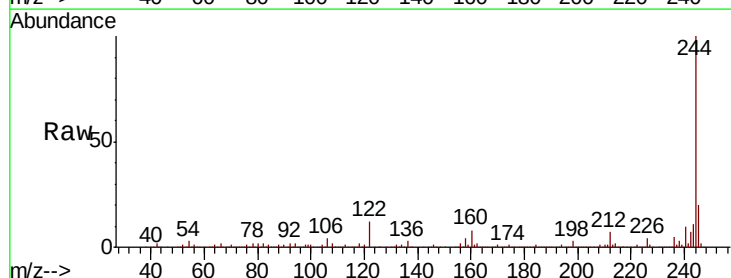
Instrument :  
BNA\_F  
ClientSampleId :  
TS-10

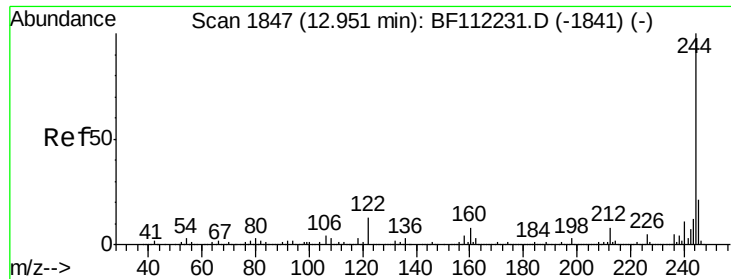
Tgt Ion:240 Resp: 227658  
Ion Ratio Lower Upper  
240 100  
120 9.4 9.0 13.6  
236 25.2 20.7 31.1



#77  
Benzidine  
Concen: 2.155 ng  
RT: 12.93 min Scan# 1843  
Delta R.T. 0.23 min  
Lab File: BF112623.D  
Acq: 19 Feb 2019 16:14

Tgt Ion:184 Resp: 13501  
Ion Ratio Lower Upper  
184 100  
185 17.8 13.9 20.9  
183 9.1 10.0 15.0#





#79

Terphenyl-d14

Concen: 78.179 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.02 min

Lab File: BF112623.D

Acq: 19 Feb 2019 16:14

Instrument :

BNA\_F

ClientSampleId :

TS-10

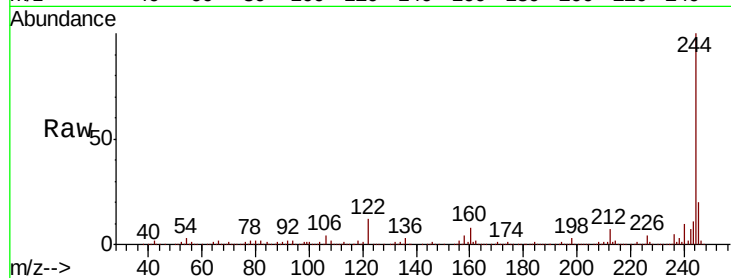
Tgt Ion:244 Resp: 944975

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

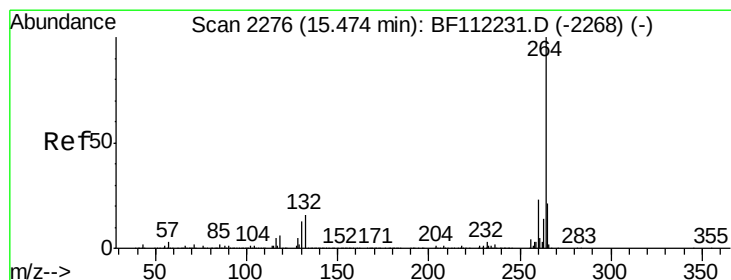
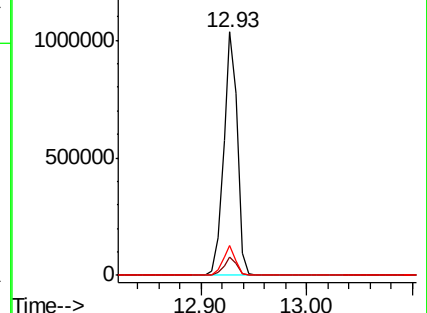
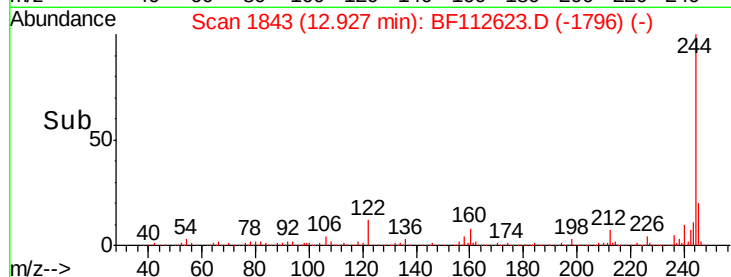
122 12.2 9.8 14.6



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: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112623.D

Acq: 19 Feb 2019 16:14

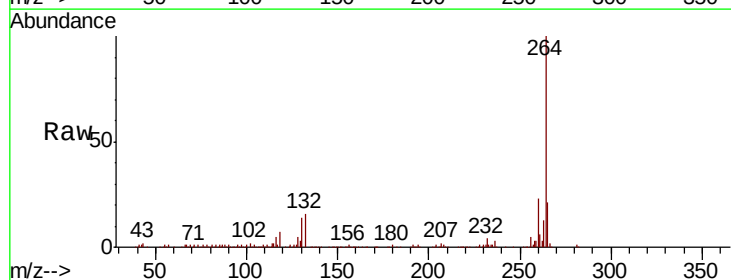
Tgt Ion:264 Resp: 225150

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.2

265 21.0 17.0 25.4



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

