

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF101019\  
 Data File : BF117361.D  
 Acq On : 10 Oct 2019 15:48  
 Operator : JU  
 Sample : K5297-16  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-7

Quant Time: Oct 11 05:25:57 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF091319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 09 01:26:00 2019  
 Response via : Initial Calibration

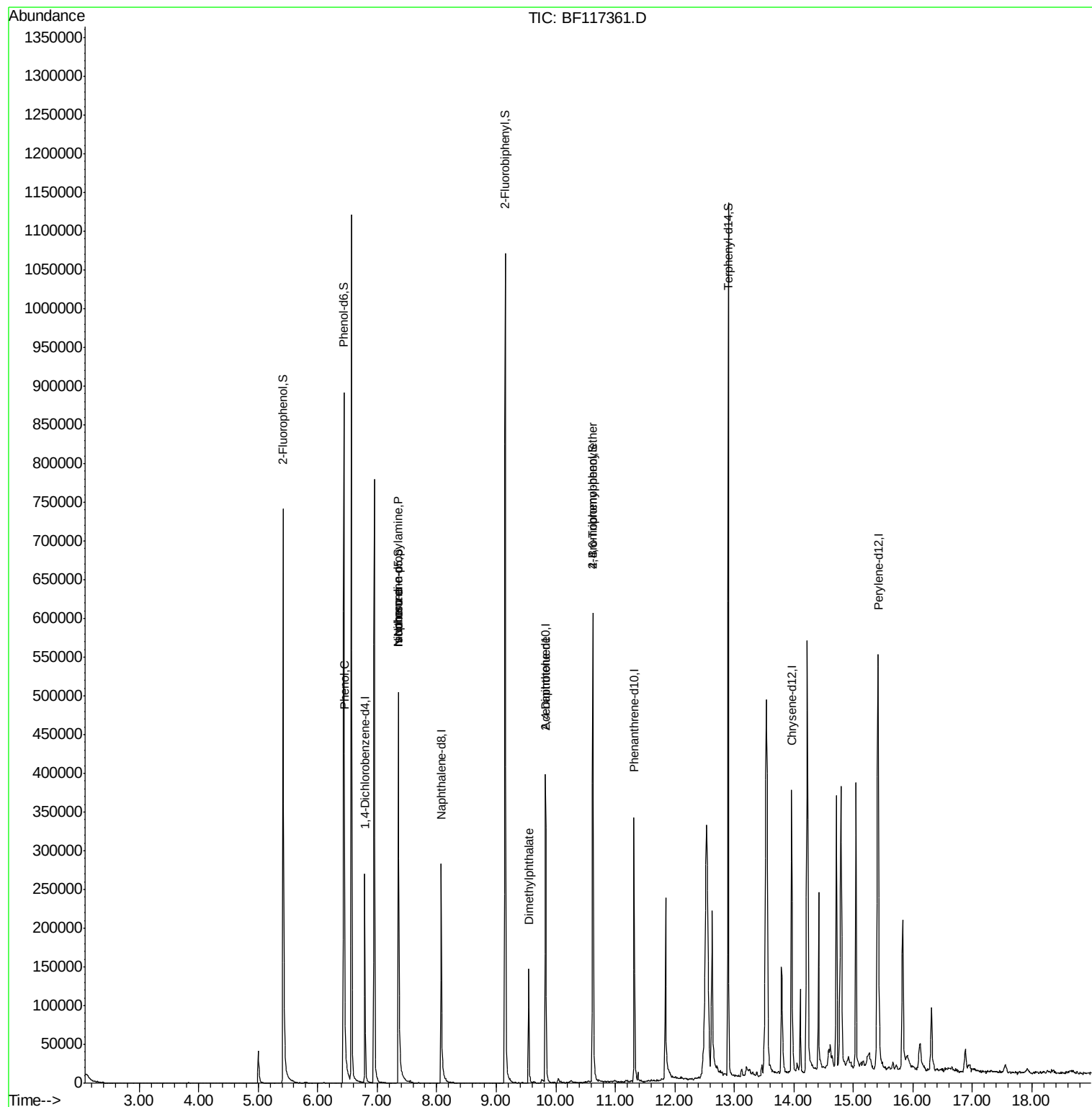
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min)   |
|--------------------------------|-------|------|----------|-----------|-------|------------|
| 1) 1,4-Dichlorobenzene-d4      | 6.79  | 152  | 44348    | 20.00     | ng    | -0.01      |
| 21) Naphthalene-d8             | 8.07  | 136  | 179310   | 20.00     | ng    | -0.01      |
| 39) Acenaphthene-d10           | 9.83  | 164  | 90968    | 20.00     | ng    | -0.01      |
| 64) Phenanthrene-d10           | 11.32 | 188  | 156669   | 20.00     | ng    | -0.01      |
| 76) Chrysene-d12               | 13.96 | 240  | 128950   | 20.00     | ng    | -0.01      |
| 87) Perylene-d12               | 15.42 | 264  | 123935   | 20.00     | ng    | 0.00       |
| System Monitoring Compounds    |       |      |          |           |       |            |
| 5) 2-Fluorophenol              | 5.42  | 112  | 258279   | 90.93     | ng    | 0.00       |
| 7) Phenol-d6                   | 6.44  | 99   | 356008   | 96.98     | ng    | -0.01      |
| 23) Nitrobenzene-d5            | 7.36  | 82   | 215132   | 63.04     | ng    | -0.01      |
| 42) 2,4,6-Tribromophenol       | 10.62 | 330  | 72020    | 94.73     | ng    | -0.01      |
| 45) 2-Fluorobiphenyl           | 9.15  | 172  | 367071   | 63.09     | ng    | -0.01      |
| 79) Terphenyl-d14              | 12.90 | 244  | 366717   | 53.16     | ng    | -0.01      |
| Target Compounds               |       |      |          |           |       |            |
| 9) Benzaldehyde                | 6.44  | 77   | 572      | Below Cal |       | Qvalue # 1 |
| 10) Phenol                     | 6.45  | 94   | 11040    | 2.728     | ng    | 84         |
| 19) n-Nitroso-di-n-propylamine | 7.36  | 70   | 27040    | 12.096    | ng    | # 83       |
| 25) Isophorone                 | 7.36  | 82   | 215130   | 35.603    | ng    | # 66       |
| 50) Dimethylphthalate          | 9.55  | 163  | 65346    | 10.145    | ng    | 98         |
| 57) 2,4-Dinitrotoluene         | 9.83  | 165  | 11555    | 6.786     | ng    | # 18       |
| 67) 4-Bromophenyl-phenylether  | 10.62 | 248  | 4479     | 2.799     | ng    | # 1        |

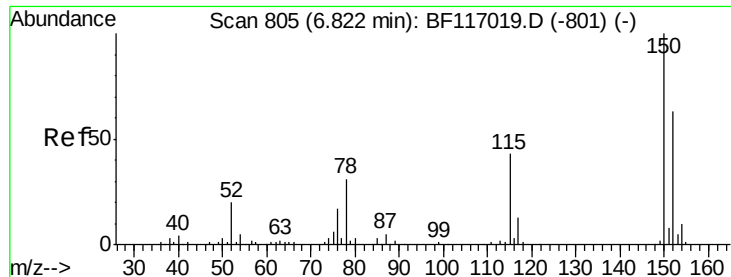
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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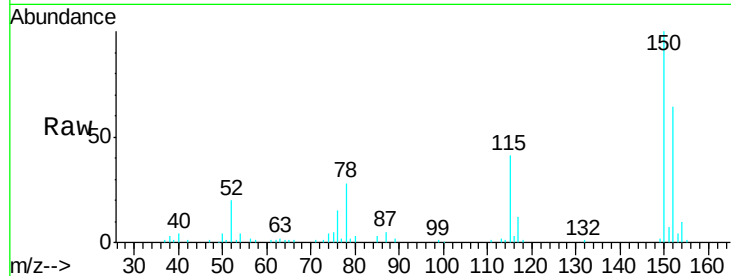


#1

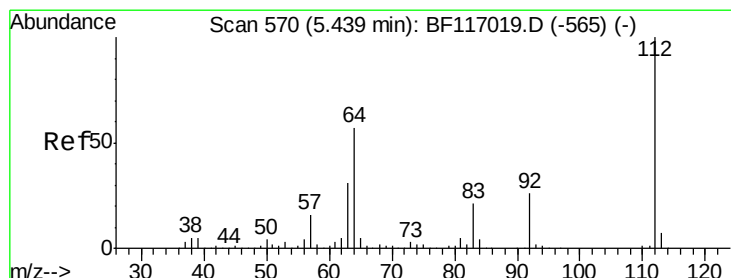
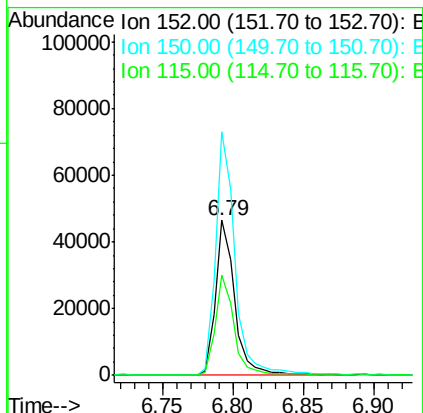
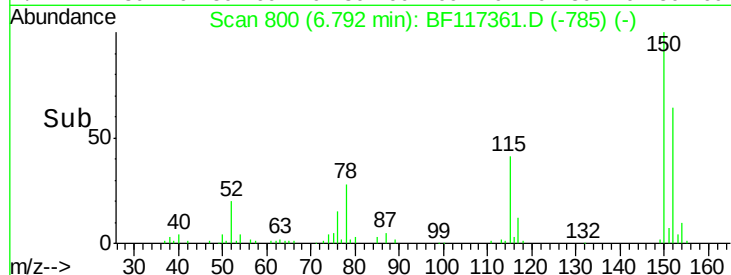
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.79 min Scan# 800  
Delta R.T. -0.01 min  
Lab File: BF117361.D  
Acq: 10 Oct 2019 15:48

Instrument :  
BNA\_F  
ClientSampled :  
TP-7

Tgt Ion:152 Resp: 44348  
Ion Ratio Lower Upper  
152 100  
150 156.9 127.5 191.3  
115 64.6 55.0 82.4



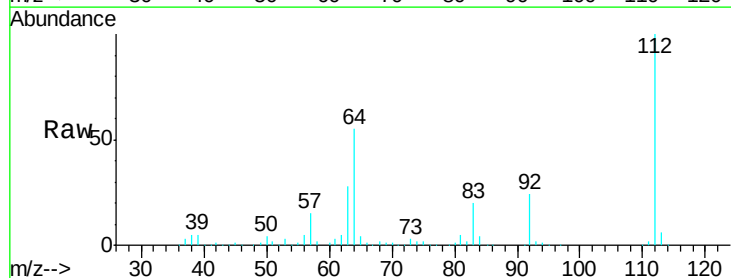
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



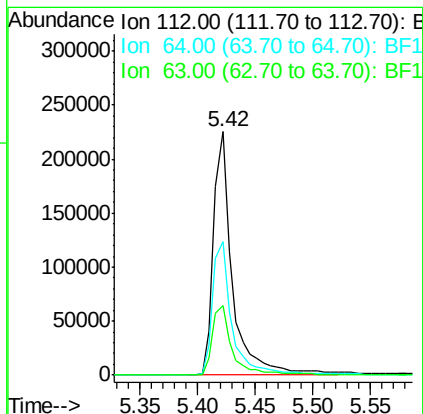
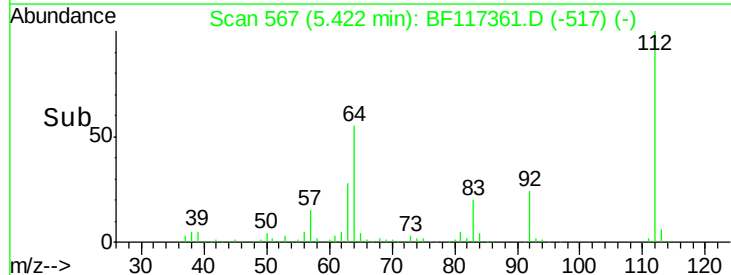
#5

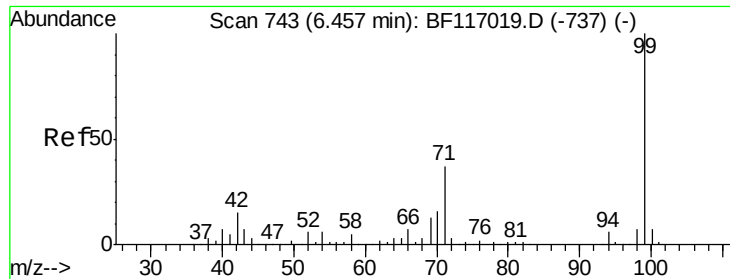
2-Fluorophenol  
Concen: 90.926 ng  
RT: 5.42 min Scan# 567  
Delta R.T. -0.01 min  
Lab File: BF117361.D  
Acq: 10 Oct 2019 15:48

Tgt Ion:112 Resp: 258279  
Ion Ratio Lower Upper  
112 100  
64 54.8 45.7 68.5  
63 28.4 24.9 37.3



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: 96.978 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF117361.D

Acq: 10 Oct 2019 15:48

Instrument :

BNA\_F

ClientSampleId :

TP-7

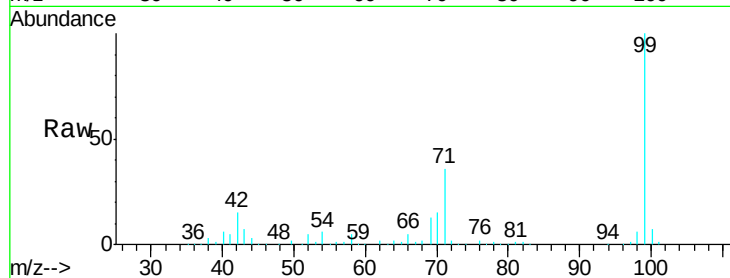
Tgt Ion: 99 Resp: 356008

Ion Ratio Lower Upper

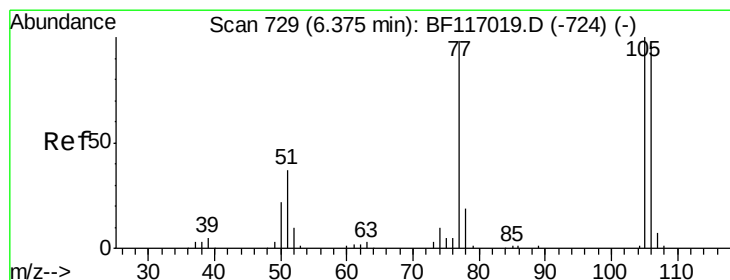
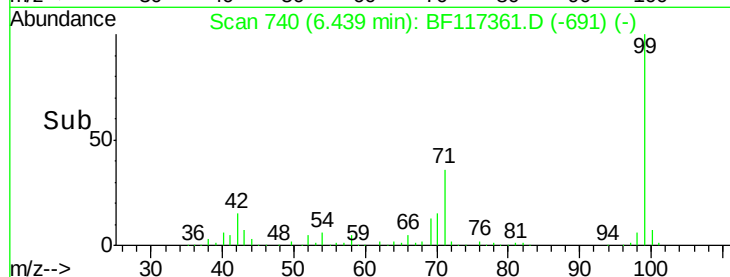
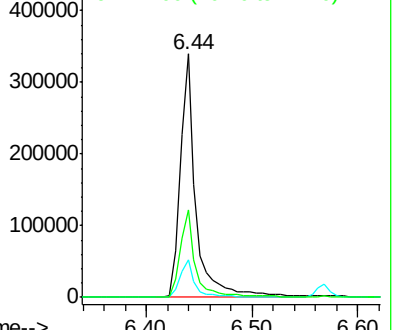
99 100

42 15.2 12.2 18.2

71 35.7 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.44 min Scan# 740

Delta R.T. 0.08 min

Lab File: BF117361.D

Acq: 10 Oct 2019 15:48

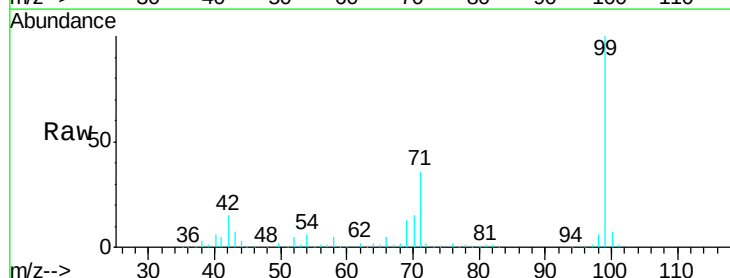
Tgt Ion: 77 Resp: 572

Ion Ratio Lower Upper

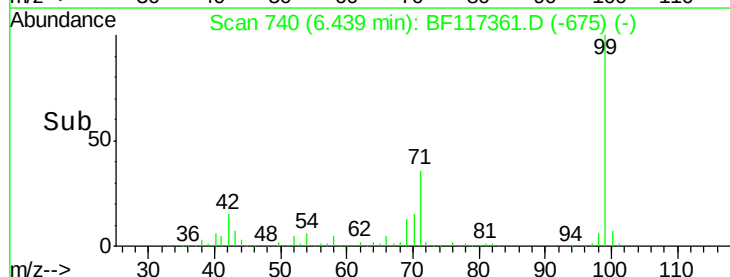
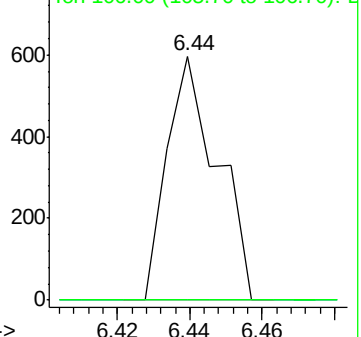
77 100

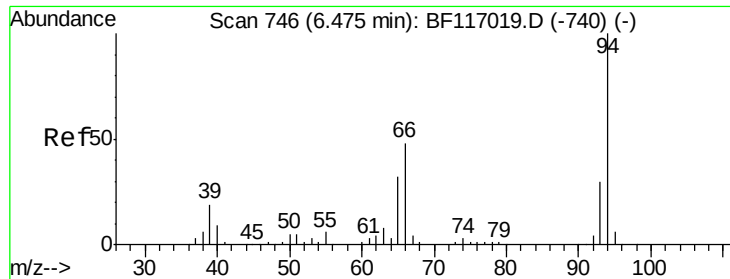
105 0.0 81.8 121.8#

106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1  
Ion 105.00 (104.70 to 105.70): BF1  
Ion 106.00 (105.70 to 106.70): BF1

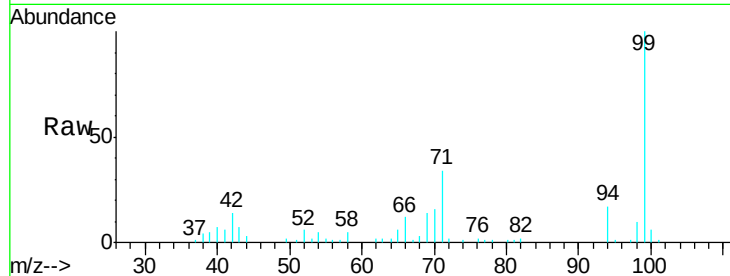




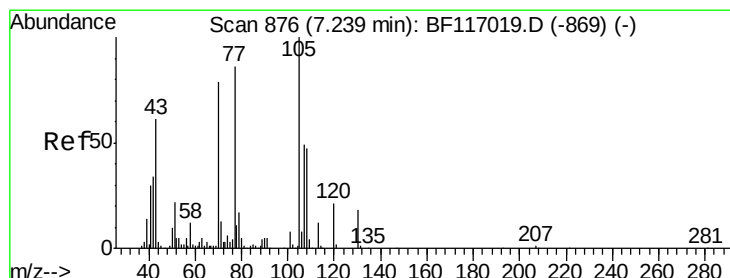
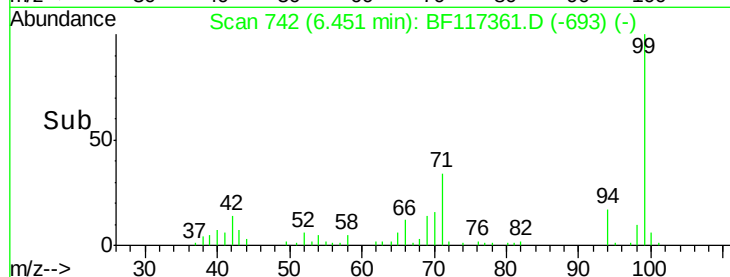
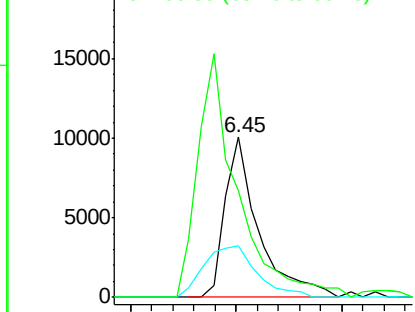
#10  
Phenol  
Concen: 2.728 ng  
RT: 6.45 min Scan# 742  
Delta R.T. -0.01 min  
Lab File: BF117361.D  
Acq: 10 Oct 2019 15:48

Instrument :  
BNA\_F  
ClientSampled :  
TP-7

Tgt Ion: 94 Resp: 11040  
Ion Ratio Lower Upper  
94 100  
65 32.1 12.5 52.5  
66 66.9 28.9 68.9

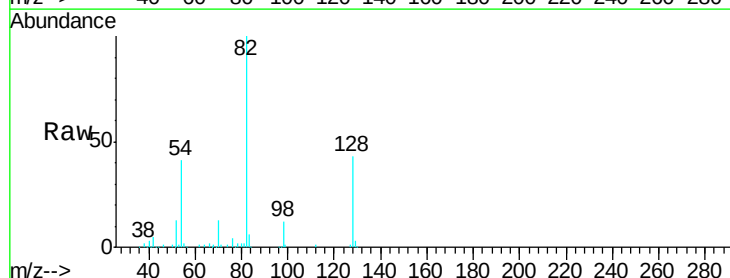


Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

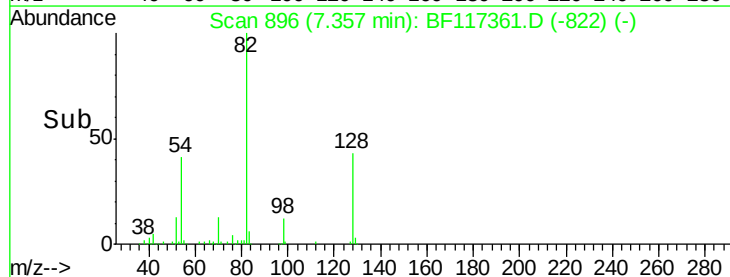
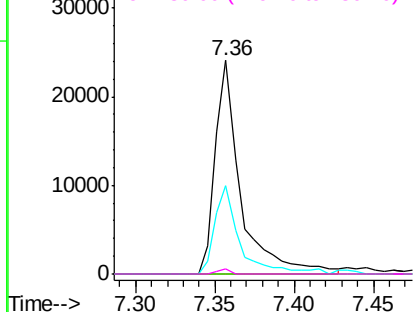


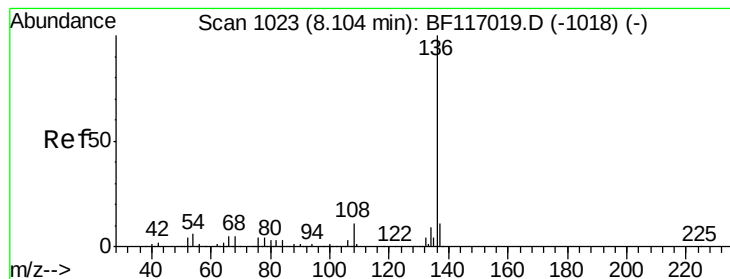
#19  
n-Nitroso-di-n-propylamine  
Concen: 12.096 ng  
RT: 7.36 min Scan# 896  
Delta R.T. 0.14 min  
Lab File: BF117361.D  
Acq: 10 Oct 2019 15:48

Tgt Ion: 70 Resp: 27040  
Ion Ratio Lower Upper  
70 100  
42 41.4 34.0 51.0  
101 0.0 7.8 11.6#  
130 2.2 17.8 26.8#



Abundance Ion 70.00 (69.70 to 70.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 101.00 (100.70 to 101.70): BF1  
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF117361.D

Acq: 10 Oct 2019 15:48

Instrument :

BNA\_F

ClientSampleId :

TP-7

Tgt Ion: 136 Resp: 179310

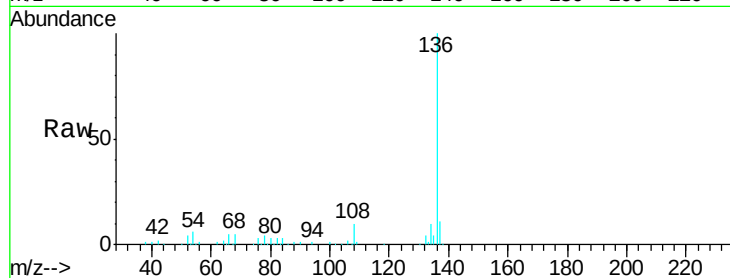
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 6.3 4.5 6.7

68 5.2 4.0 6.0

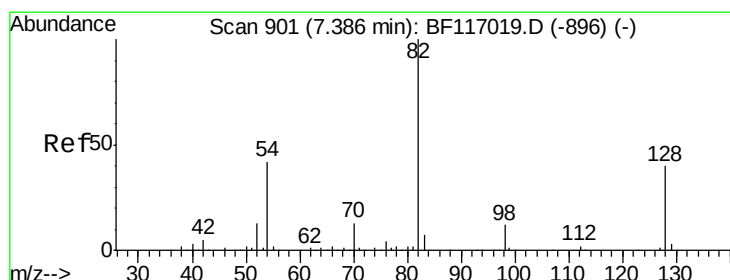
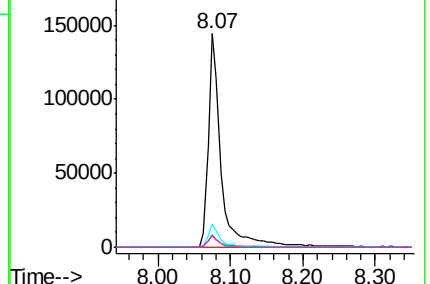
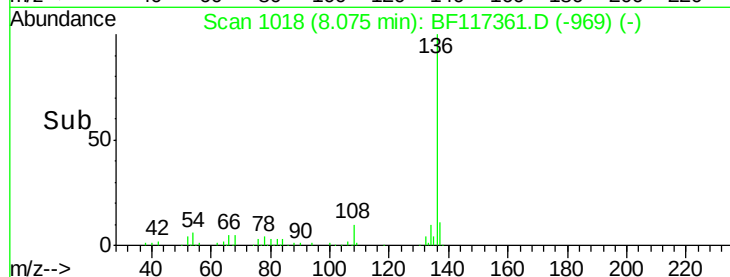


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.039 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF117361.D

Acq: 10 Oct 2019 15:48

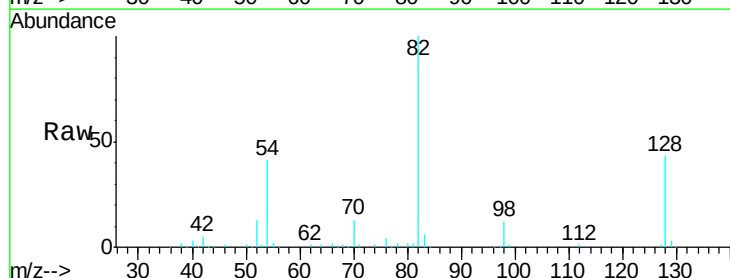
Tgt Ion: 82 Resp: 215132

Ion Ratio Lower Upper

82 100

128 42.5 32.3 48.5

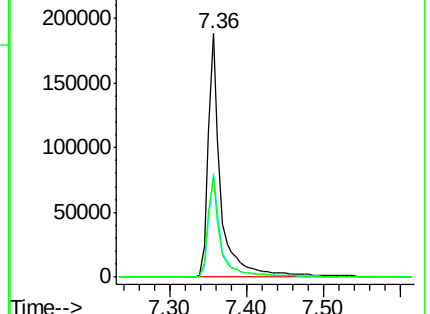
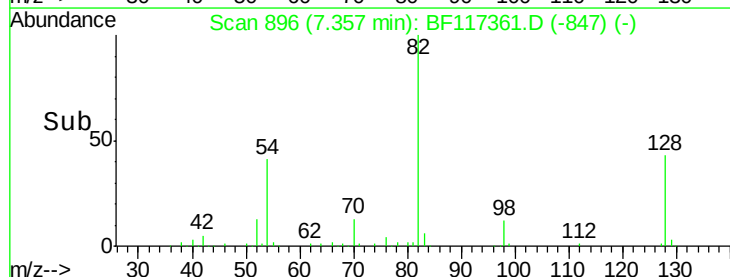
54 41.1 33.3 49.9

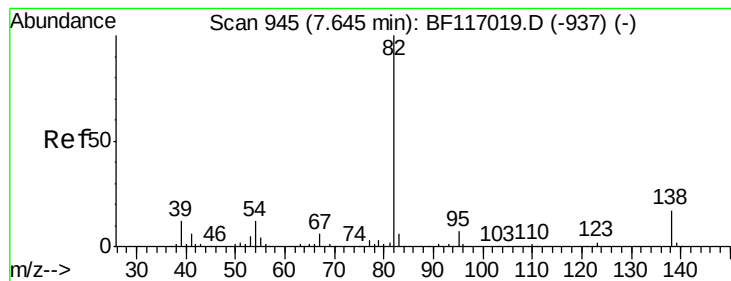


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.603 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.27 min

Lab File: BF117361.D

Acq: 10 Oct 2019 15:48

Instrument :

BNA\_F

ClientSampled :

TP-7

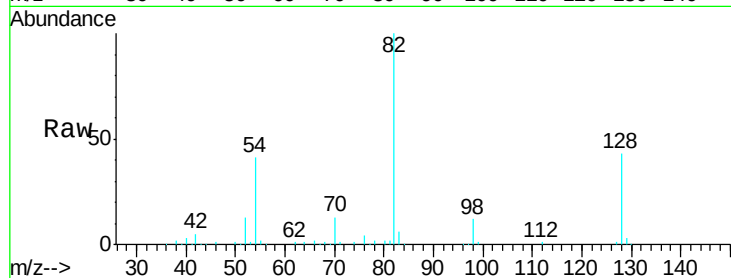
Tgt Ion: 82 Resp: 215130

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

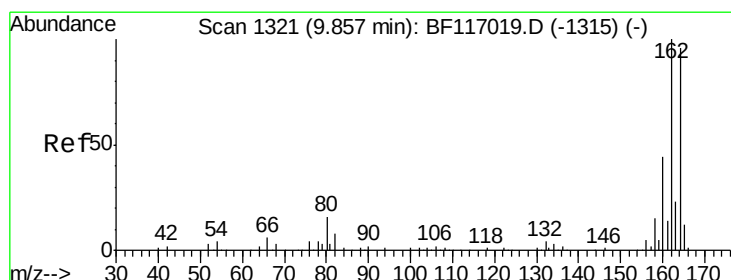
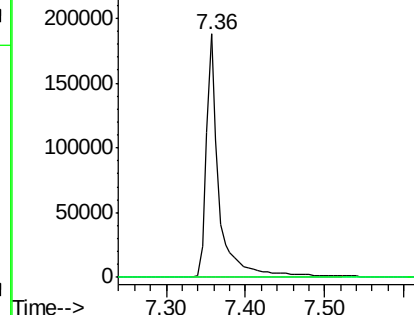
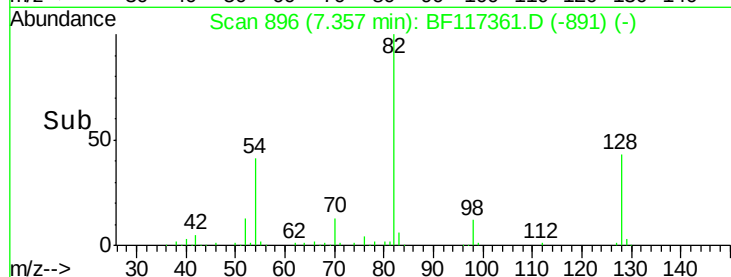
138 0.0 13.5 20.3#



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: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF117361.D

Acq: 10 Oct 2019 15:48

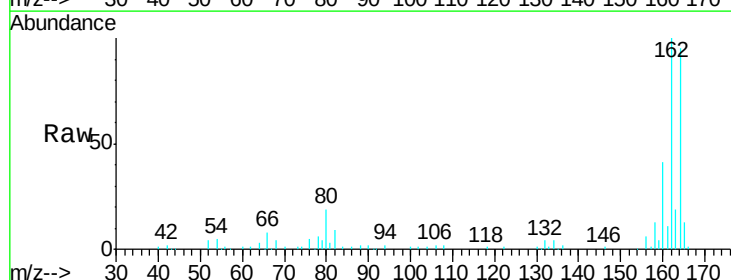
Tgt Ion: 164 Resp: 90968

Ion Ratio Lower Upper

164 100

162 104.8 83.4 125.2

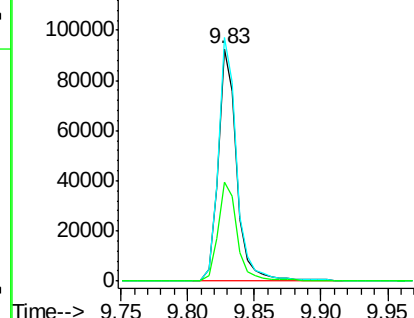
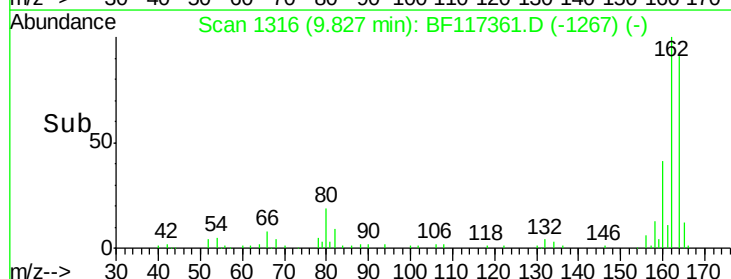
160 42.7 36.4 54.6

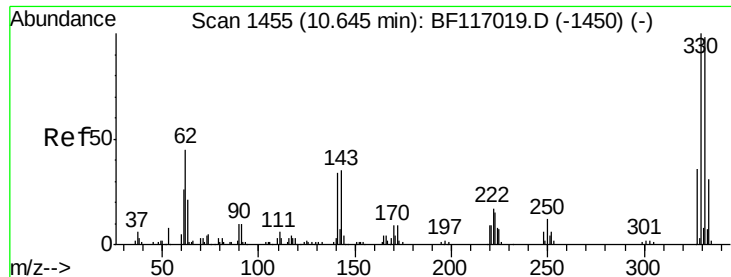


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 94.728 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF117361.D

Acq: 10 Oct 2019 15:48

Instrument :

BNA\_F

ClientSampleId :

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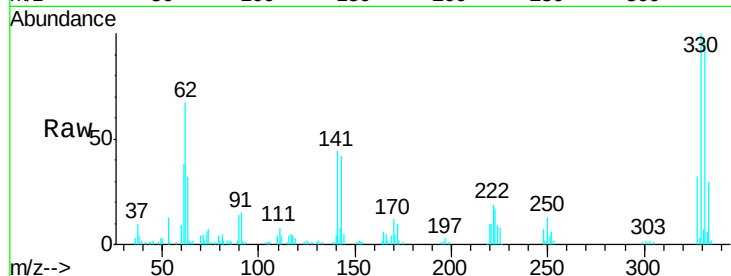
Tgt Ion:330 Resp: 72020

Ion Ratio Lower Upper

330 100

332 95.9 78.0 117.0

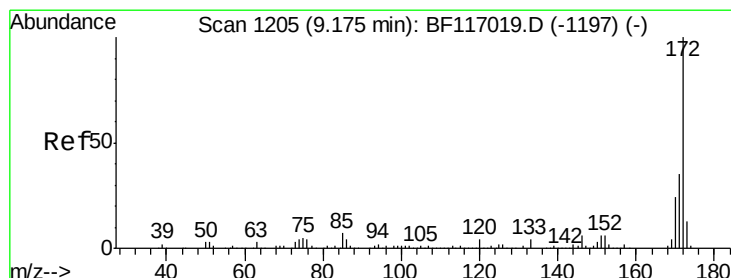
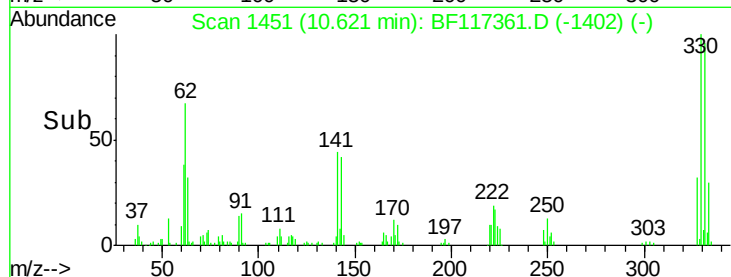
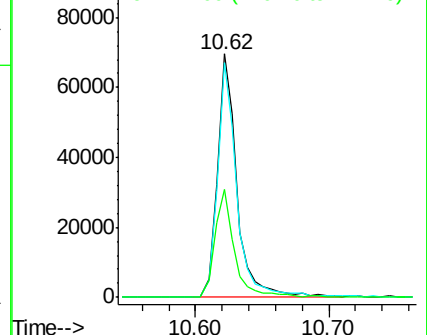
141 43.8 35.8 53.6



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: 63.093 ng

RT: 9.15 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BF117361.D

Acq: 10 Oct 2019 15:48

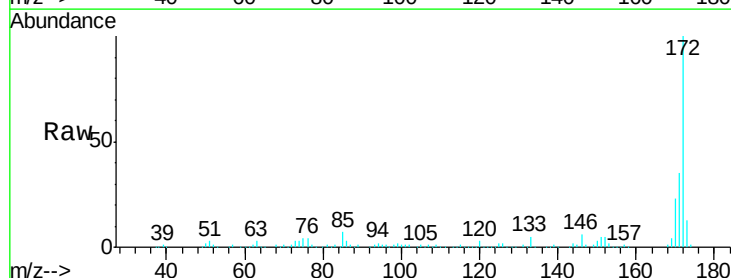
Tgt Ion:172 Resp: 367071

Ion Ratio Lower Upper

172 100

171 34.5 28.2 42.2

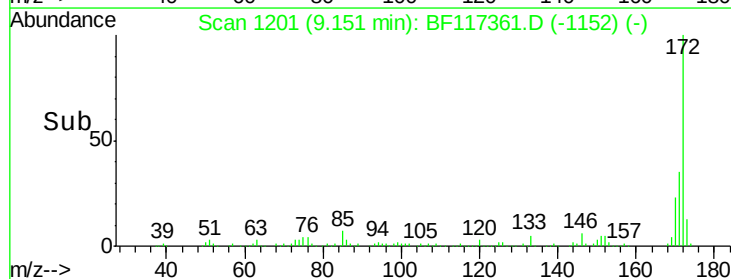
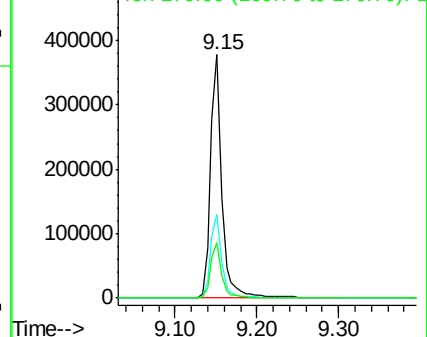
170 23.0 18.9 28.3



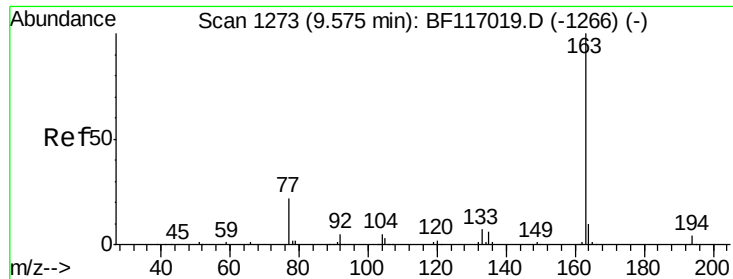
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



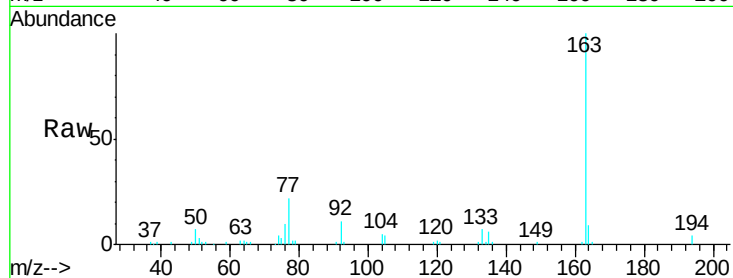




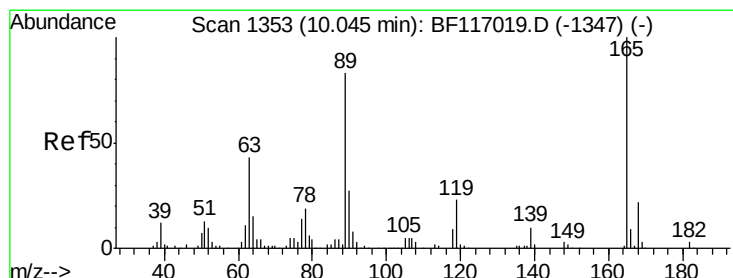
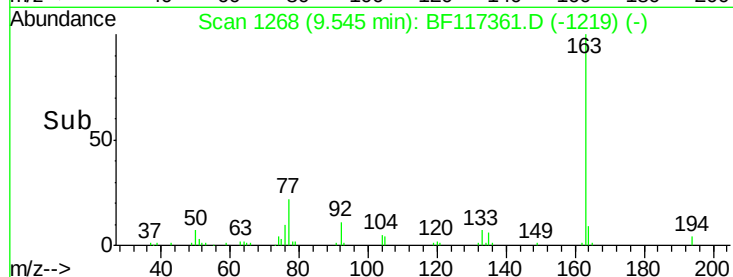
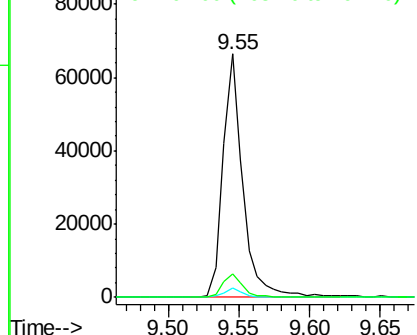
#50  
Dimethylphthalate  
Concen: 10.145 ng  
RT: 9.55 min Scan# 1268  
Delta R.T. -0.01 min  
Lab File: BF117361.D  
Acq: 10 Oct 2019 15:48

Instrument :  
BNA\_F  
ClientSampleId :  
TP-7

Tgt Ion:163 Resp: 65346  
Ion Ratio Lower Upper  
163 100  
194 4.0 2.9 4.3  
164 9.4 8.2 12.4

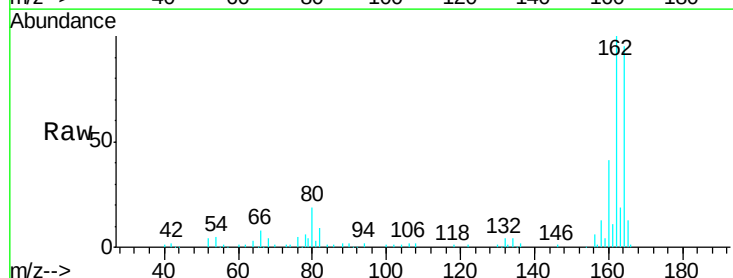


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

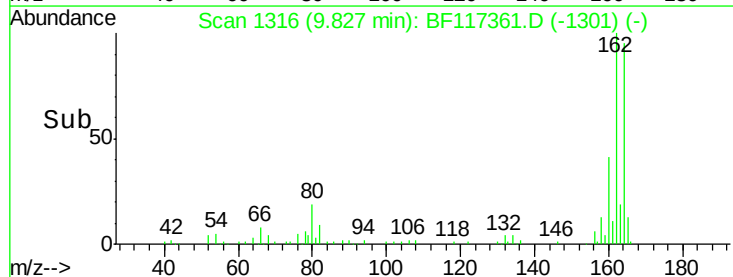
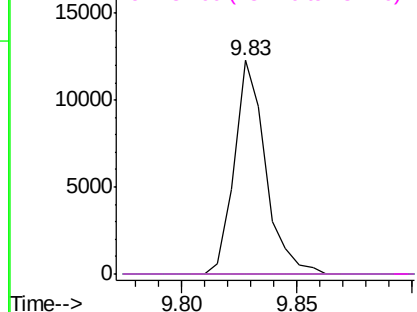


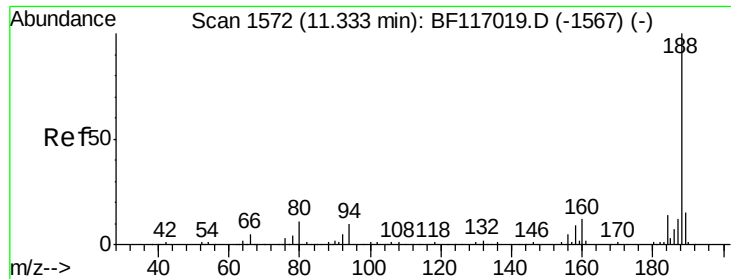
#57  
2,4-Dinitrotoluene  
Concen: 6.786 ng  
RT: 9.83 min Scan# 1316  
Delta R.T. -0.21 min  
Lab File: BF117361.D  
Acq: 10 Oct 2019 15:48

Tgt Ion:165 Resp: 11555  
Ion Ratio Lower Upper  
165 100  
63 0.0 35.0 52.4#  
89 0.0 66.1 99.1#  
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

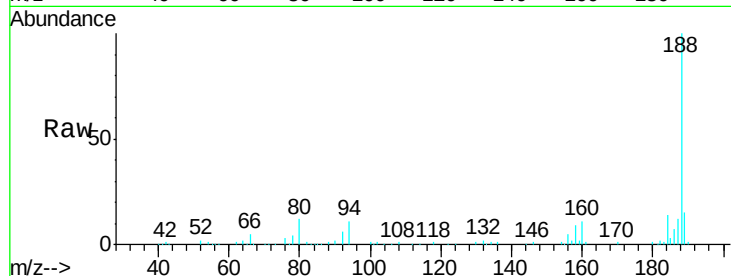




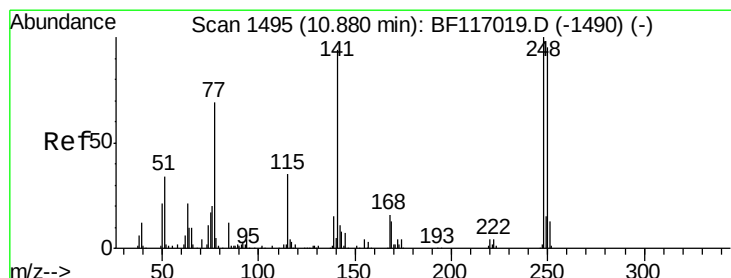
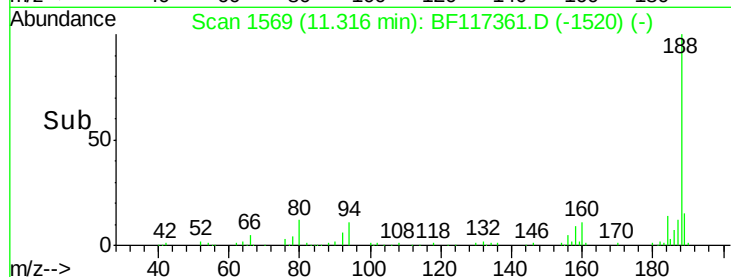
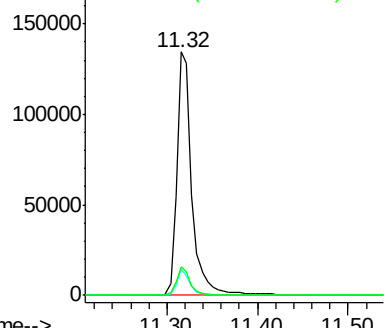
#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.32 min Scan# 1569  
Delta R.T. -0.01 min  
Lab File: BF117361.D  
Acq: 10 Oct 2019 15:48

Instrument :  
BNA\_F  
ClientSampleId :  
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Tgt Ion:188 Resp: 156669  
Ion Ratio Lower Upper  
188 100  
94 10.5 8.2 12.2  
80 11.6 9.0 13.6

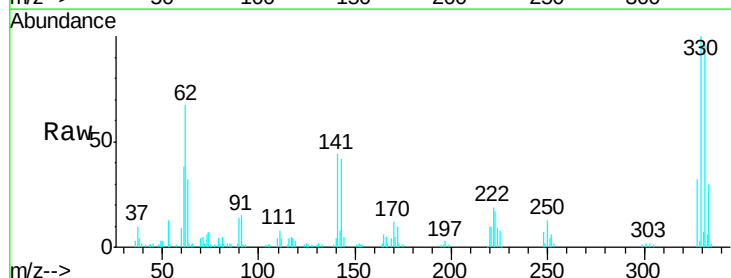


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

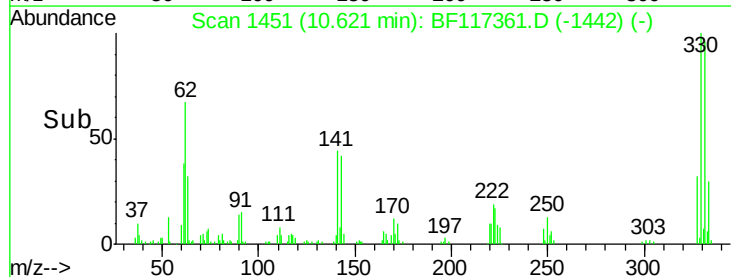
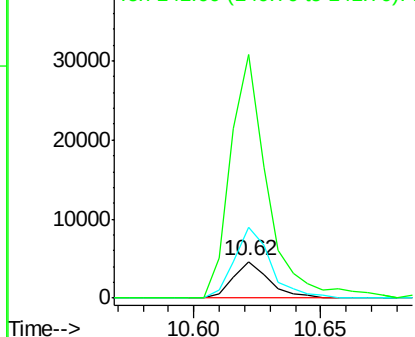


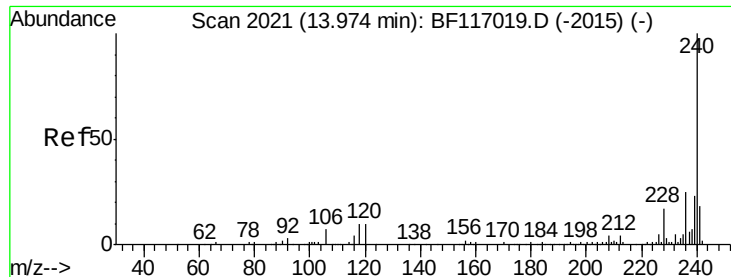
#67  
4-Bromophenyl-phenylether  
Concen: 2.799 ng  
RT: 10.62 min Scan# 1451  
Delta R.T. -0.25 min  
Lab File: BF117361.D  
Acq: 10 Oct 2019 15:48

Tgt Ion:248 Resp: 4479  
Ion Ratio Lower Upper  
248 100  
250 193.4 76.2 114.4#  
141 670.7 75.0 112.4#



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

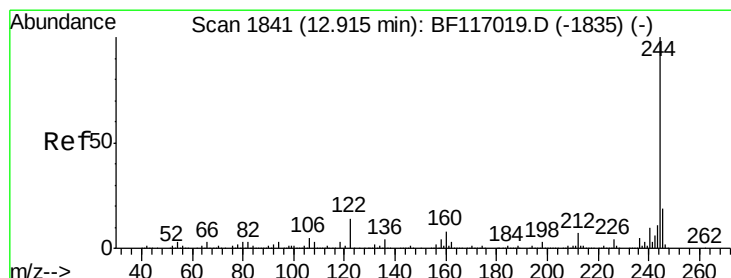
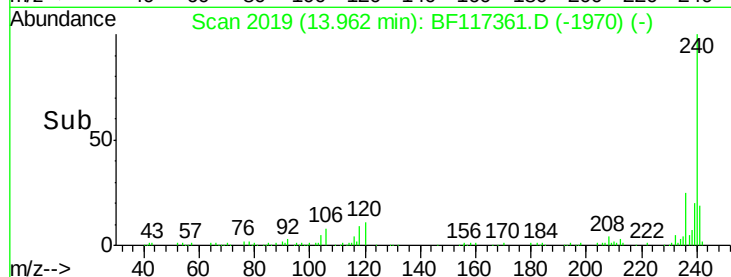
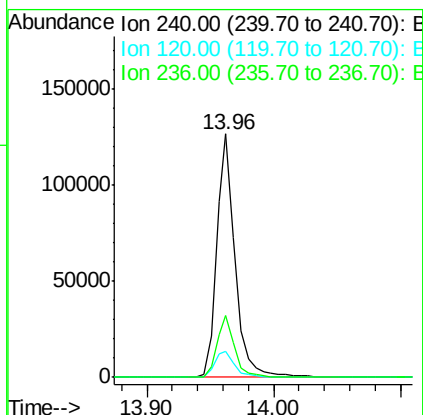
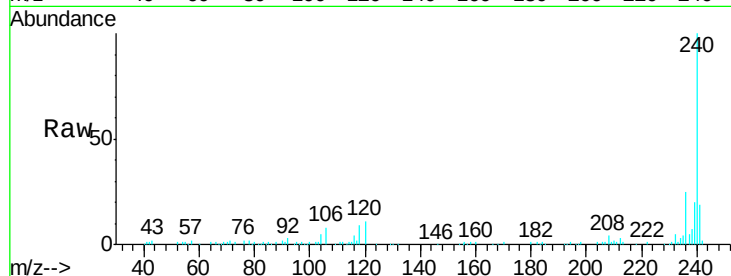




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.96 min Scan# 2019  
Delta R.T. -0.01 min  
Lab File: BF117361.D  
Acq: 10 Oct 2019 15:48

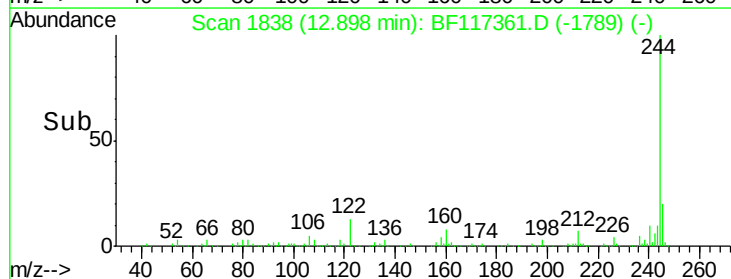
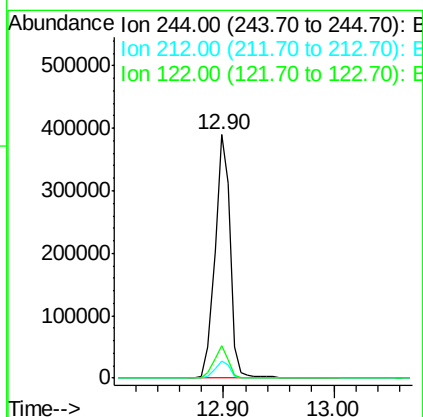
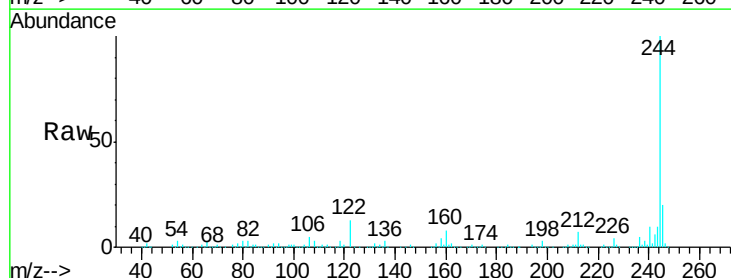
Instrument :  
BNA\_F  
ClientSampleId :  
TP-7

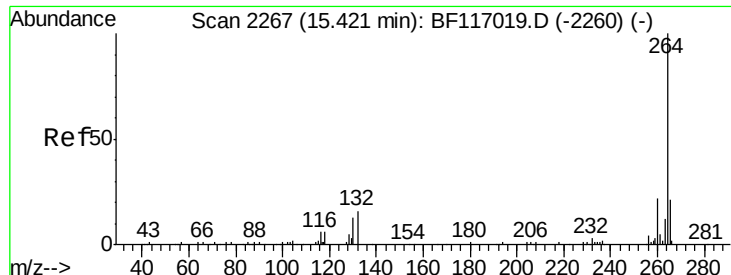
Tgt Ion:240 Resp: 128950  
Ion Ratio Lower Upper  
240 100  
120 10.9 8.3 12.5  
236 25.2 20.3 30.5



#79  
Terphenyl-d14  
Concen: 53.158 ng  
RT: 12.90 min Scan# 1838  
Delta R.T. -0.01 min  
Lab File: BF117361.D  
Acq: 10 Oct 2019 15:48

Tgt Ion:244 Resp: 366717  
Ion Ratio Lower Upper  
244 100  
212 6.8 5.8 8.8  
122 13.4 11.3 16.9

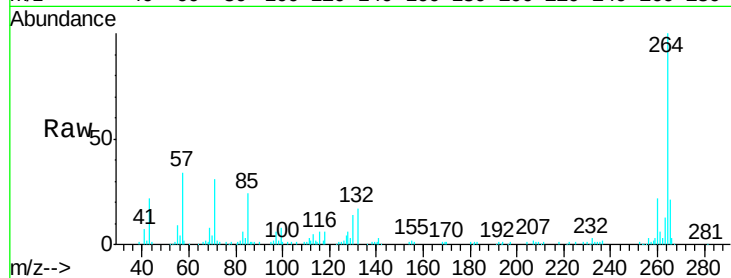




#87  
Perylene-d12  
Concen: 20.000 ng  
RT: 15.42 min Scan# 2267  
Delta R.T. -0.01 min  
Lab File: BF117361.D  
Acq: 10 Oct 2019 15:48

Instrument :  
BNA\_F  
ClientSampleId :  
TP-7

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.5  | 17.6  | 26.4  |
| 265     | 21.0  | 16.6  | 24.8  |



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

