

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\  
 Data File : BF114939.D  
 Acq On : 11 Jun 2019 11:59  
 Operator : HP/JU  
 Sample : PB120177BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB120177BL

Quant Time: Jun 11 12:57:03 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jun 10 16:44:00 2019  
 Response via : Initial Calibration

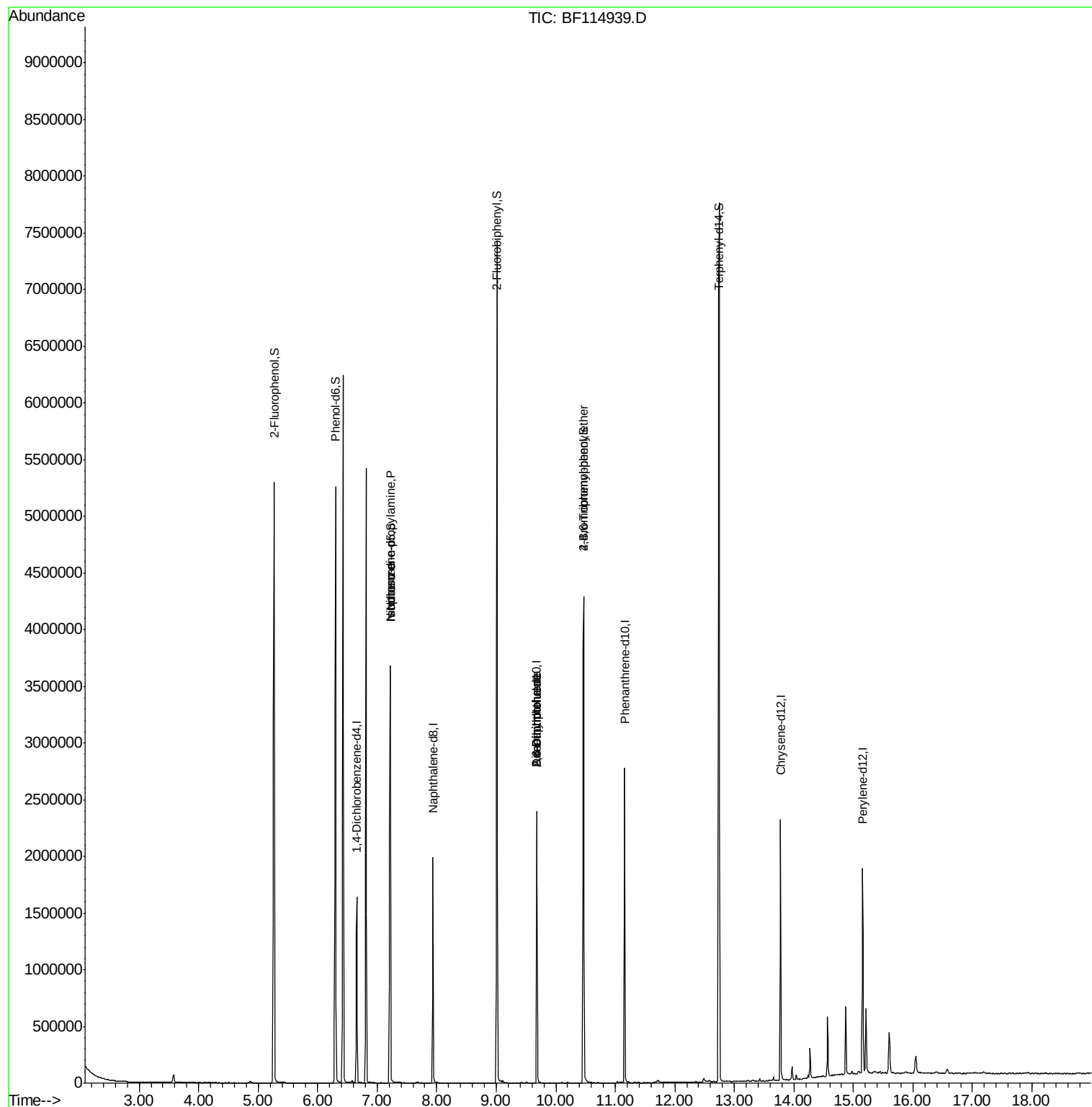
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.66  | 152  | 244111   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.93  | 136  | 930989   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.68  | 164  | 464021   | 20.00  | ng    | -0.01    |
| 64) Phenanthrene-d10           | 11.16 | 188  | 948011   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.77 | 240  | 781070   | 20.00  | ng    | -0.02    |
| 87) Perylene-d12               | 15.16 | 264  | 769120   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.27  | 112  | 1785538  | 123.79 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.30  | 99   | 2192193  | 126.00 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.22  | 82   | 1360374  | 89.78  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.47 | 330  | 579278   | 114.76 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.02  | 172  | 2475224  | 84.66  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.74 | 244  | 3063942  | 78.01  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.22  | 70   | 179591   | 16.508 | ng    | # 76     |
| 25) Isophorone                 | 7.22  | 82   | 1348460  | 45.446 | ng    | # 62     |
| 50) Dimethylphthalate          | 9.69  | 163  | 130084   | 3.730  | ng    | # 1      |
| 51) 2,6-Dinitrotoluene         | 9.68  | 165  | 60327    | 7.531  | ng    | # 29     |
| 57) 2,4-Dinitrotoluene         | 9.68  | 165  | 60327    | 5.958  | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether  | 10.47 | 248  | 36938    | 3.597  | ng    | # 1      |

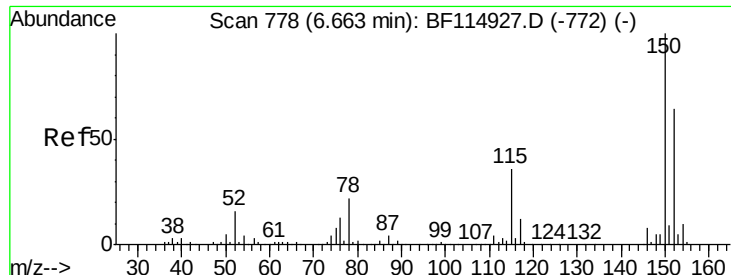
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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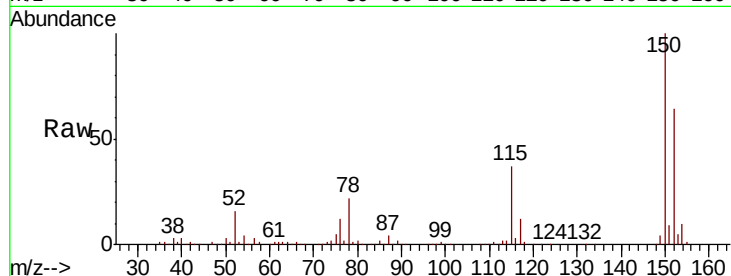


#1

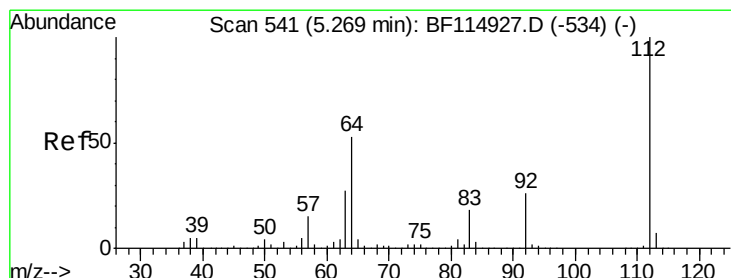
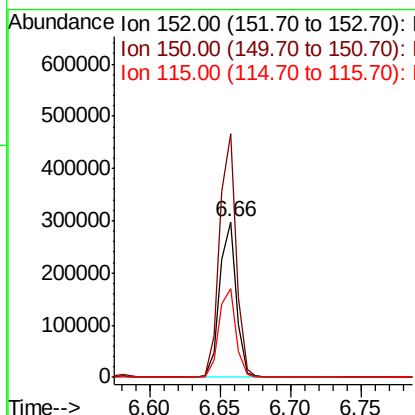
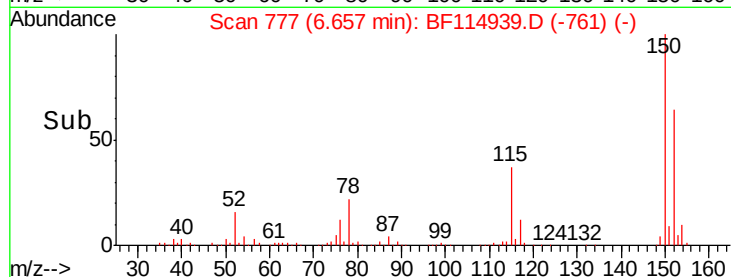
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.66 min Scan# 777  
 Delta R.T. -0.01 min  
 Lab File: BF114939.D  
 Acq: 11 Jun 2019 11:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB120177BL

Tot Ion:152 Resp: 244111  
 Ion Ratio Lower Upper  
 152 100  
 150 156.2 125.2 187.8  
 115 57.1 45.0 67.4



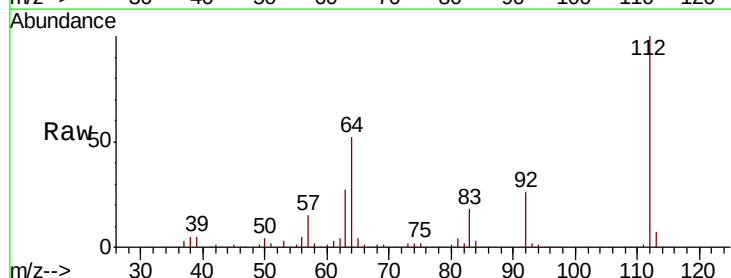
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



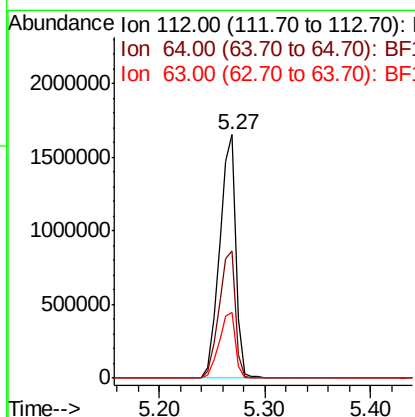
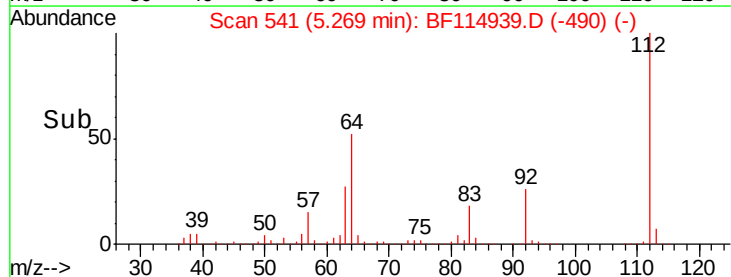
#5

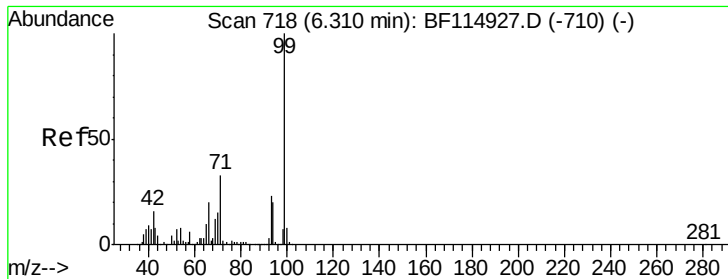
2-Fluorophenol  
 Concen: 123.791 ng  
 RT: 5.27 min Scan# 541  
 Delta R.T. -0.00 min  
 Lab File: BF114939.D  
 Acq: 11 Jun 2019 11:59

Tgt Ion:112 Resp: 1785538  
 Ion Ratio Lower Upper  
 112 100  
 64 52.2 42.1 63.1  
 63 26.9 21.8 32.8



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: 126.003 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF114939.D

Acq: 11 Jun 2019 11:59

Instrument :

BNA\_F

ClientSampleId :

PB120177BL

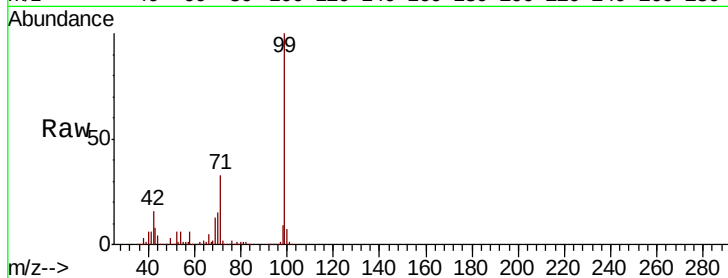
Tot Ion: 99 Resp: 2192193

Ion Ratio Lower Upper

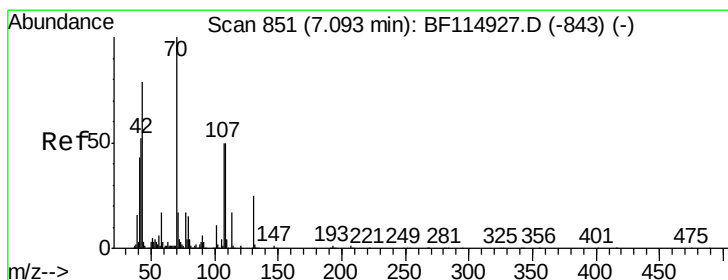
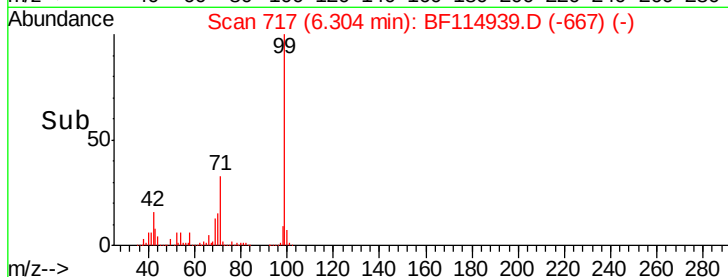
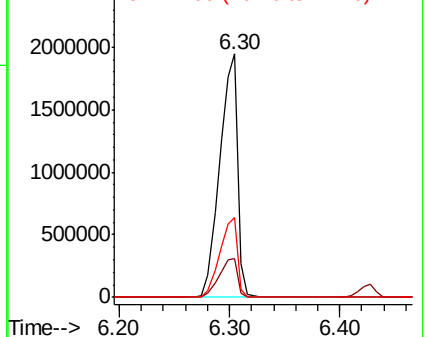
99 100

42 15.9 13.1 19.7

71 33.0 26.8 40.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.508 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.12 min

Lab File: BF114939.D

Acq: 11 Jun 2019 11:59

Tgt Ion: 70 Resp: 179591

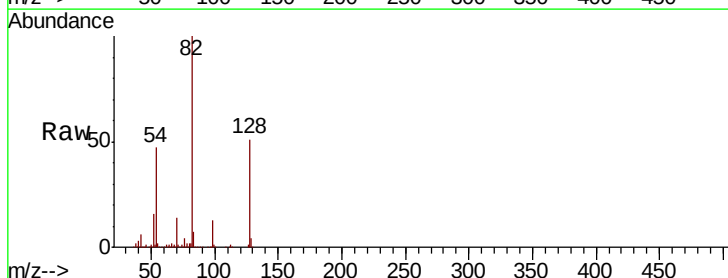
Ion Ratio Lower Upper

70 100

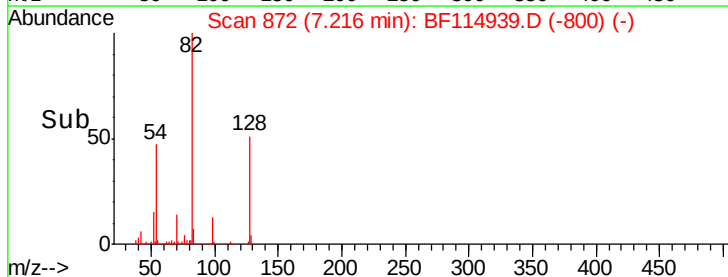
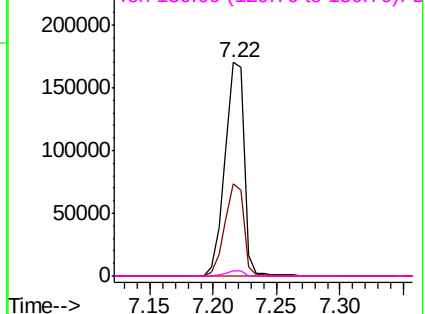
42 43.2 41.7 62.5

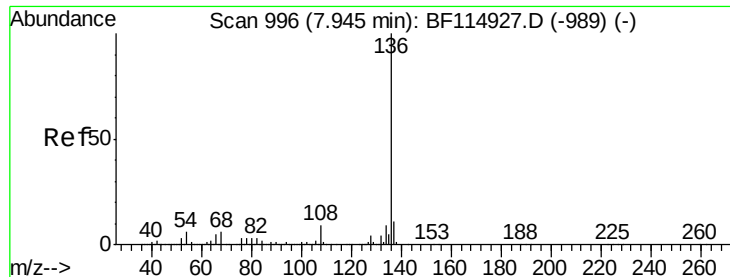
101 0.0 8.4 12.6#

130 2.3 19.9 29.9#



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): E  
Ion 130.00 (129.70 to 130.70): E

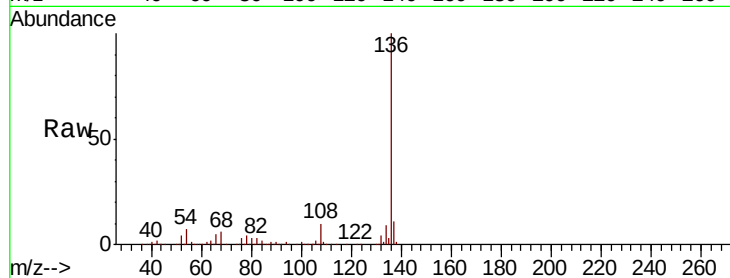




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.93 min Scan# 994  
Delta R.T. -0.01 min  
Lab File: BF114939.D  
Acq: 11 Jun 2019 11:59

Instrument :  
BNA\_F  
ClientSampleId :  
PB120177BL

|             |       |        |
|-------------|-------|--------|
| Tot Ion:136 | Resp: | 930989 |
| Ion Ratio   | Lower | Upper  |
| 136 100     |       |        |
| 137 11.0    | 9.0   | 13.6   |
| 54 7.3      | 5.2   | 7.8    |
| 68 6.2      | 4.6   | 7.0    |



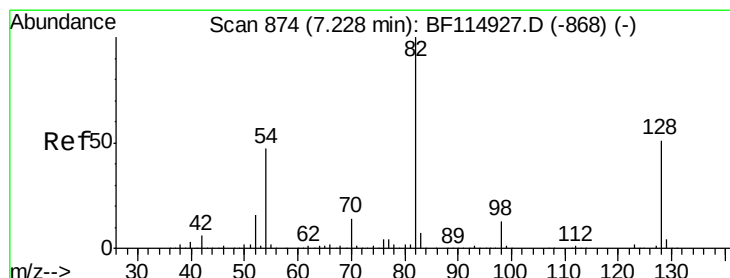
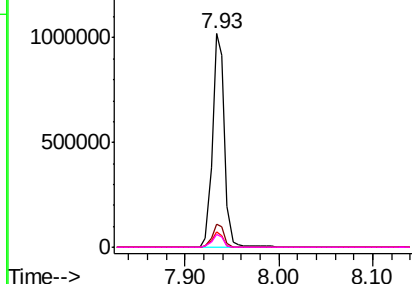
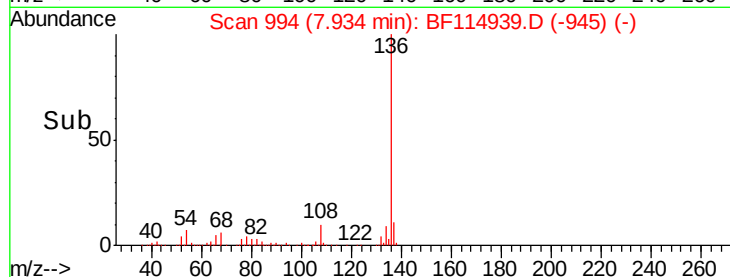
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

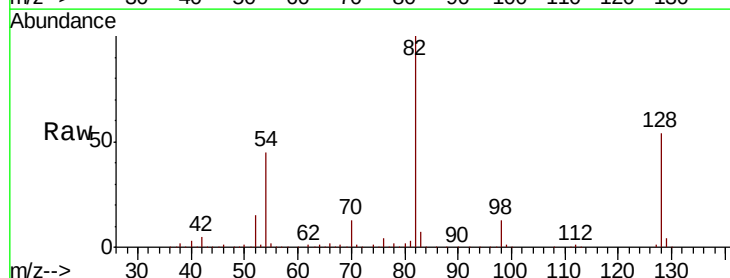
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23  
Nitrobenzene-d5  
Concen: 89.780 ng  
RT: 7.22 min Scan# 873  
Delta R.T. -0.01 min  
Lab File: BF114939.D  
Acq: 11 Jun 2019 11:59

|             |               |
|-------------|---------------|
| Tgt Ion: 82 | Resp: 1360374 |
| Ion Ratio   | Lower Upper   |
| 82 100      |               |
| 128 54.4    | 40.9 61.3     |
| 54 44.7     | 37.4 56.0     |

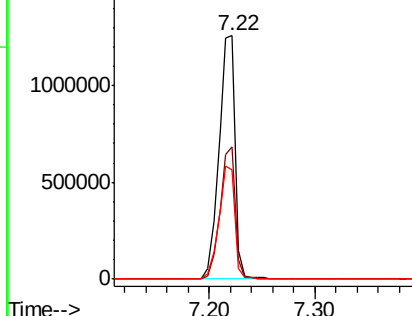
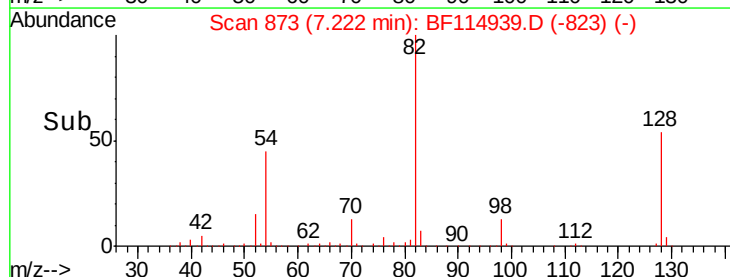


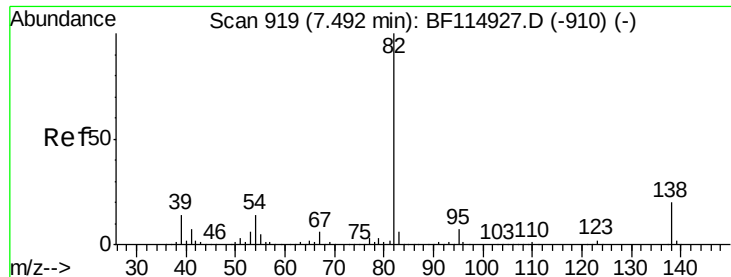
Abundance

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: 45.446 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.27 min

Lab File: BF114939.D

Acq: 11 Jun 2019 11:59

Instrument :

BNA\_F

ClientSampleId :

PB120177BL

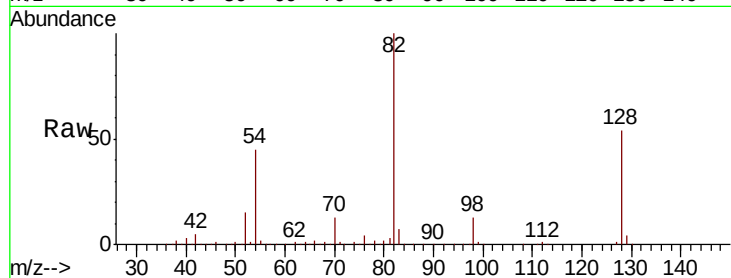
Tot Ion: 82 Resp: 1348460

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

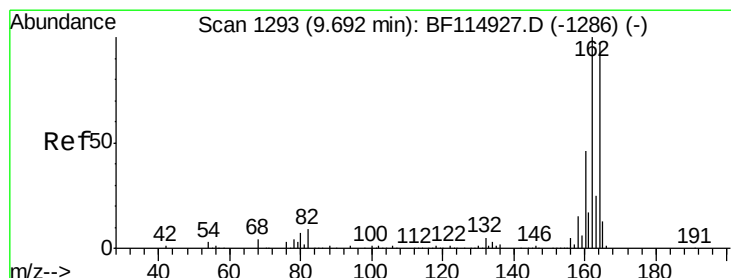
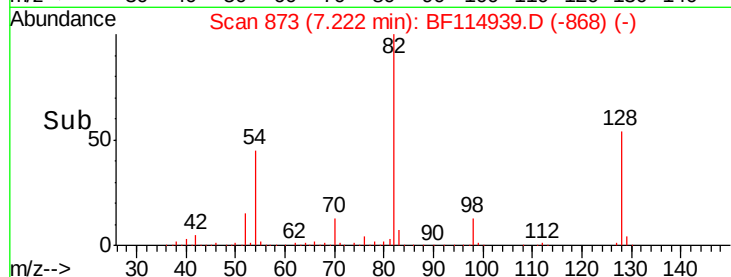
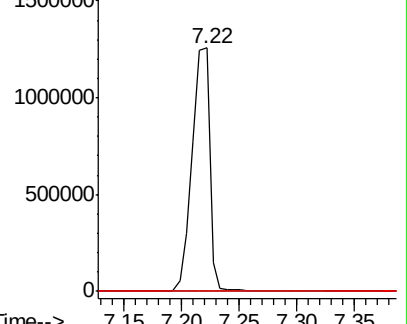
138 0.0 16.4 24.6#



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: 9.68 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BF114939.D

Acq: 11 Jun 2019 11:59

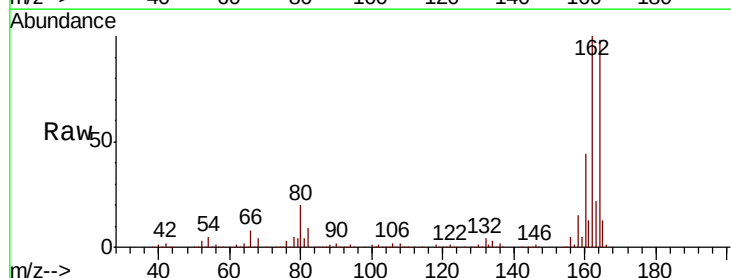
Tgt Ion:164 Resp: 464021

Ion Ratio Lower Upper

164 100

162 102.3 82.4 123.6

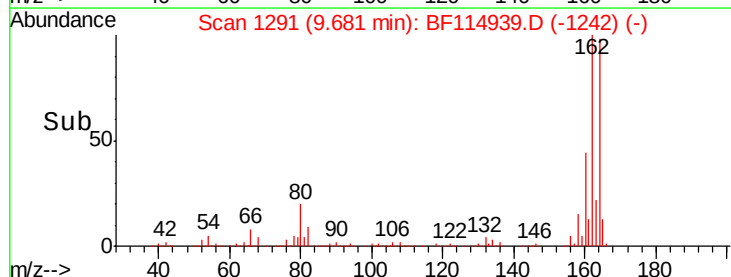
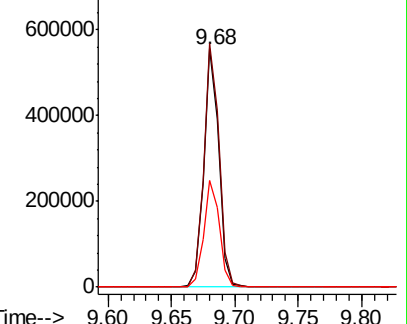
160 44.7 37.5 56.3

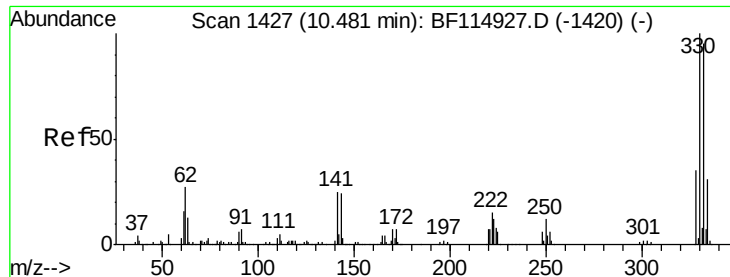


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 114.761 ng

RT: 10.47 min Scan# 1425

Delta R.T. -0.01 min

Lab File: BF114939.D

Acq: 11 Jun 2019 11:59

Instrument :

BNA\_F

ClientSampleId :

PB120177BL

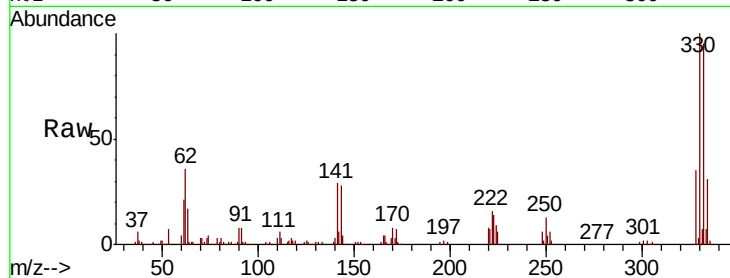
Tot Ion:330 Resp: 579278

Ion Ratio Lower Upper

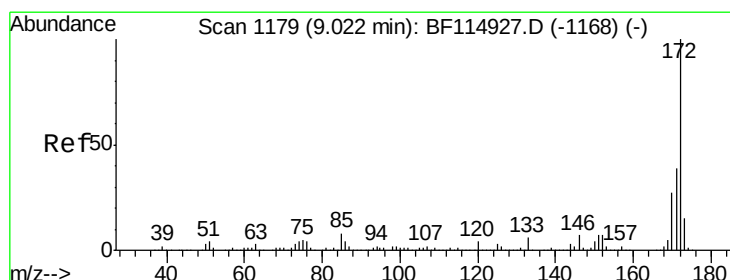
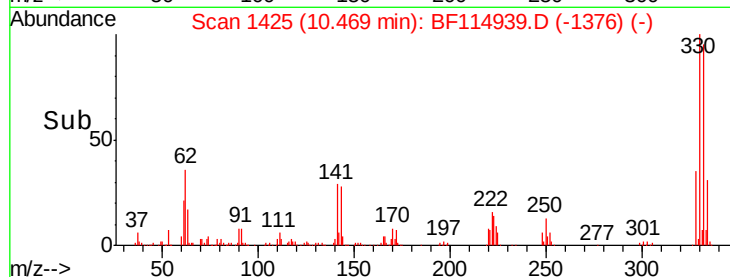
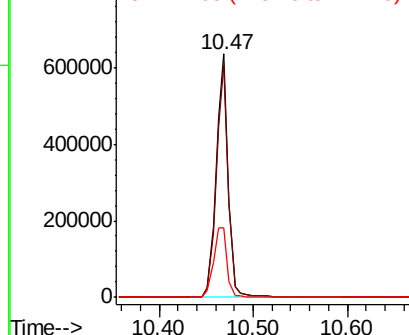
330 100

332 95.9 76.4 114.6

141 32.9 26.8 40.2



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: 84.659 ng

RT: 9.02 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF114939.D

Acq: 11 Jun 2019 11:59

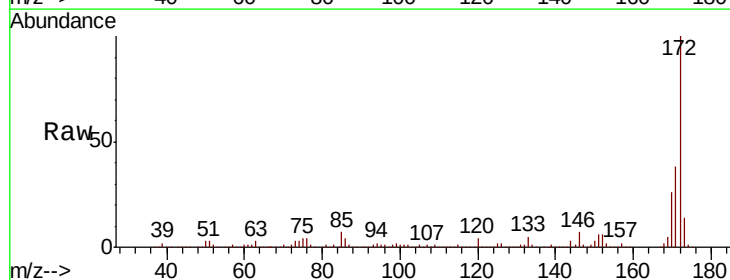
Tgt Ion:172 Resp: 2475224

Ion Ratio Lower Upper

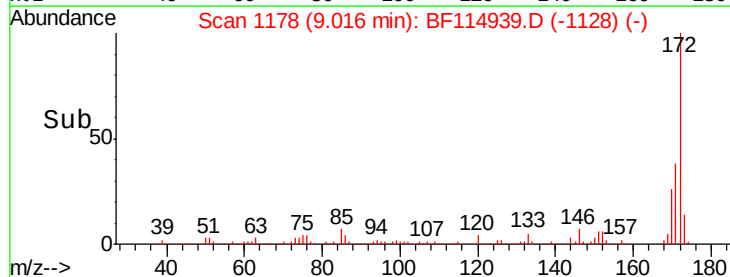
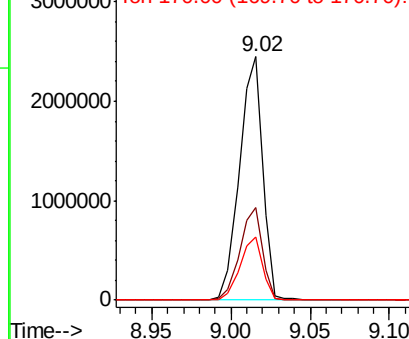
172 100

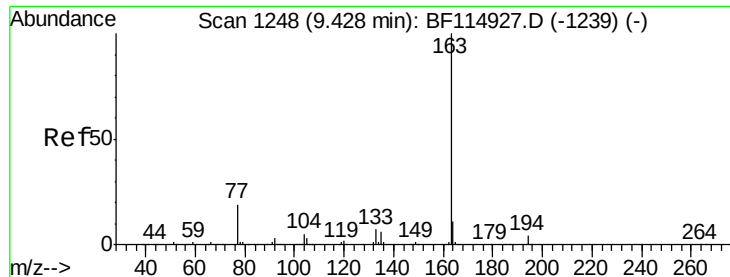
171 38.0 31.3 46.9

170 26.1 21.4 32.0



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: 3.730 ng

RT: 9.69 min Scan# 1292

Delta R.T. 0.26 min

Lab File: BF114939.D

Acq: 11 Jun 2019 11:59

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BNA\_F

ClientSampleId :

PB120177BL

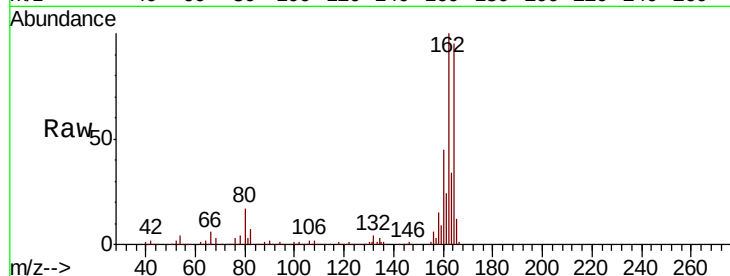
Tot Ion:163 Resp: 130084

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.0#

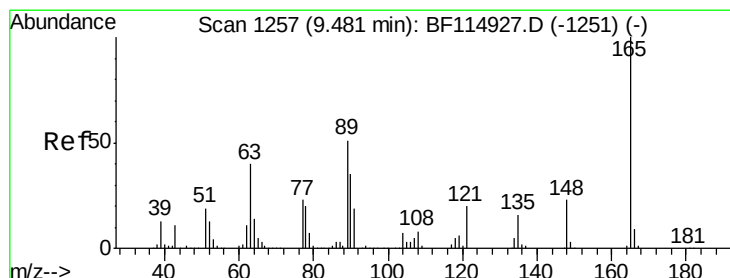
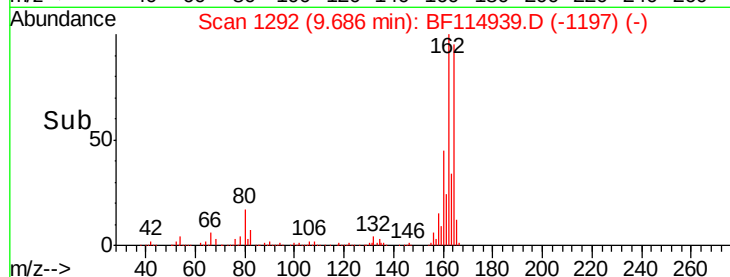
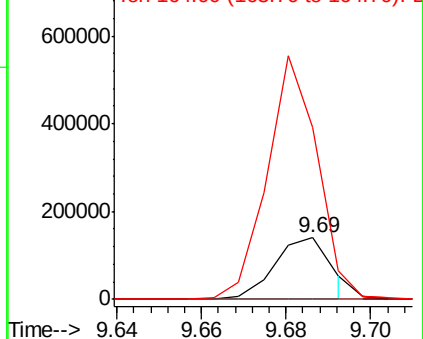
164 280.6 8.7 13.1#



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: 7.531 ng

RT: 9.68 min Scan# 1291

Delta R.T. 0.20 min

Lab File: BF114939.D

Acq: 11 Jun 2019 11:59

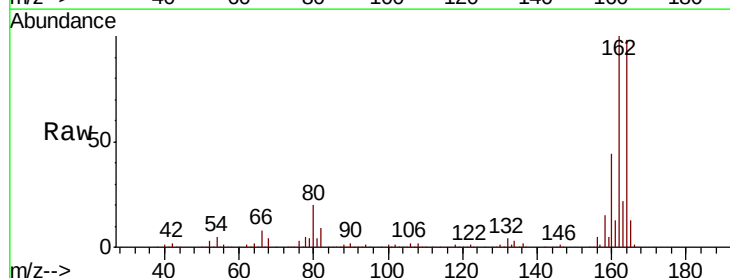
Tgt Ion:165 Resp: 60327

Ion Ratio Lower Upper

165 100

63 1.1 38.3 57.5#

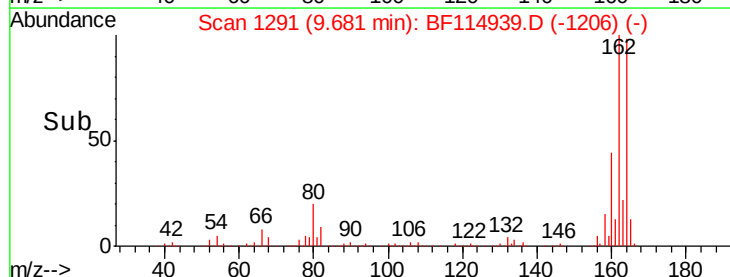
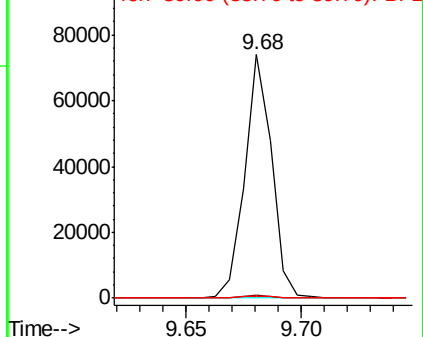
89 0.8 40.8 61.2#



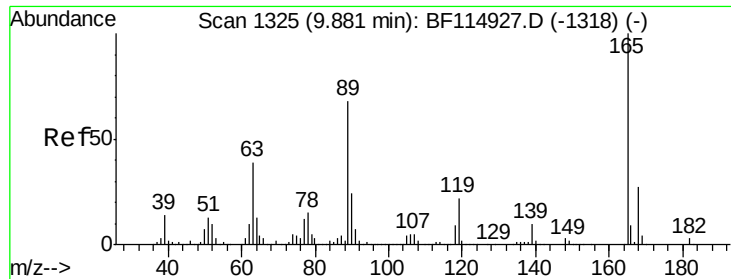
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



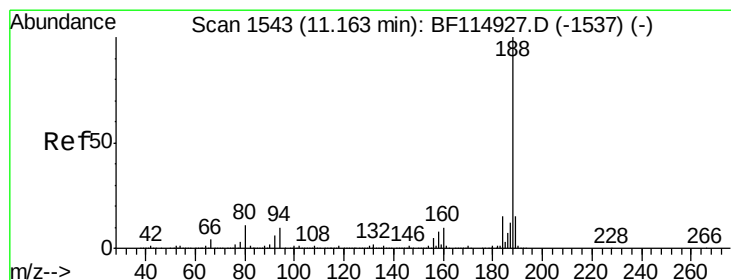
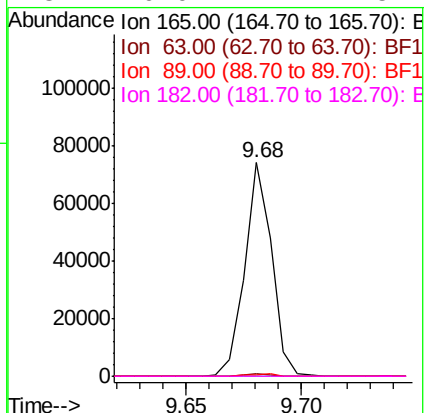
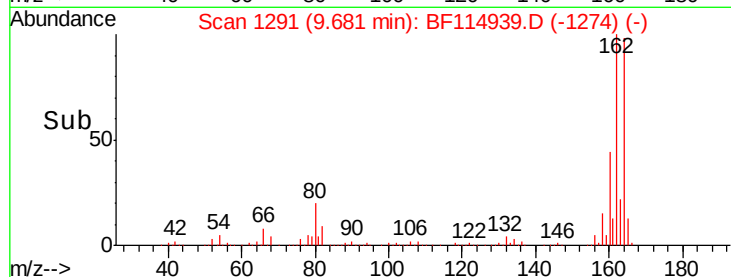
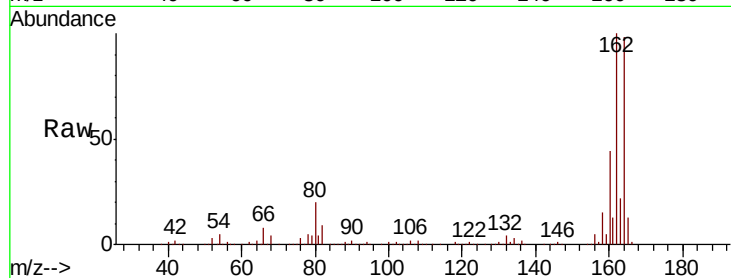




#57  
2,4-Dinitrotoluene  
Concen: 5.958 ng  
RT: 9.68 min Scan# 1291  
Delta R.T. -0.20 min  
Lab File: BF114939.D  
Acq: 11 Jun 2019 11:59

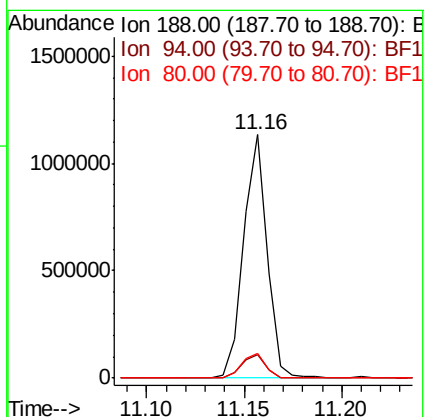
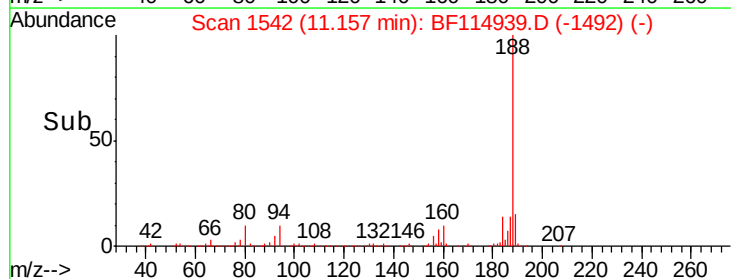
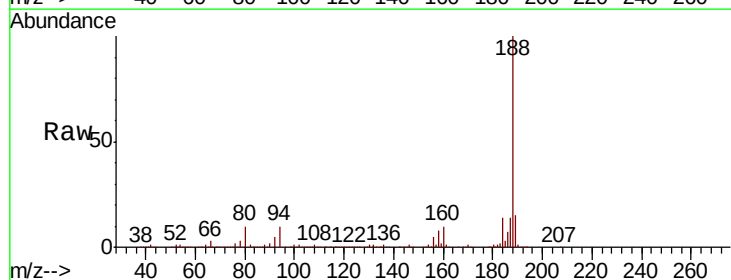
Instrument :  
BNA\_F  
ClientSampleId :  
PB120177BL

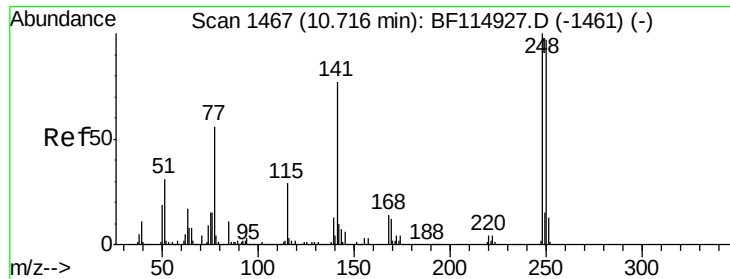
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.1   | 31.8  | 47.6# |
| 89      | 0.8   | 54.2  | 81.2# |
| 182     | 0.0   | 2.1   | 3.1#  |



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.16 min Scan# 1542  
Delta R.T. -0.01 min  
Lab File: BF114939.D  
Acq: 11 Jun 2019 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.6   | 8.1   | 12.1  |
| 80      | 10.1  | 8.6   | 12.8  |

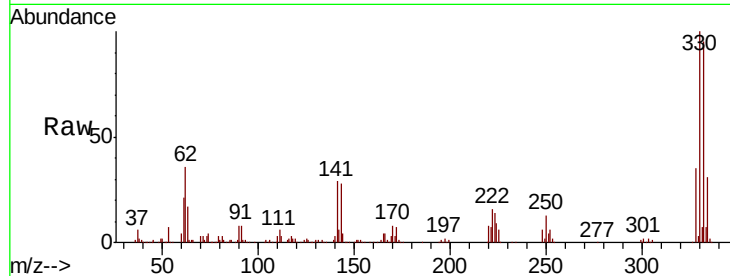




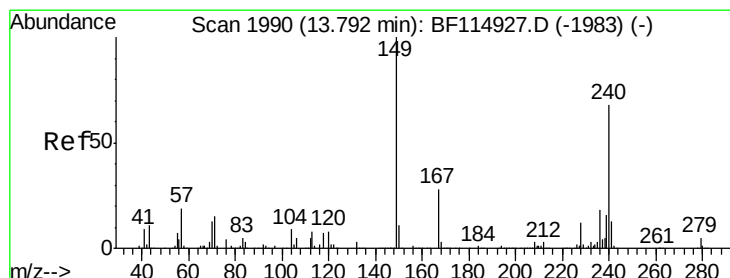
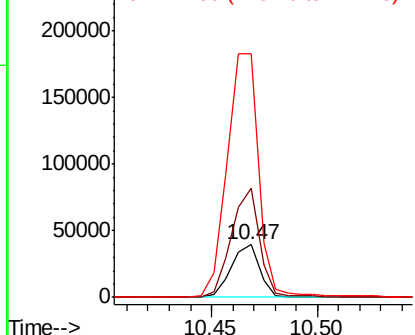
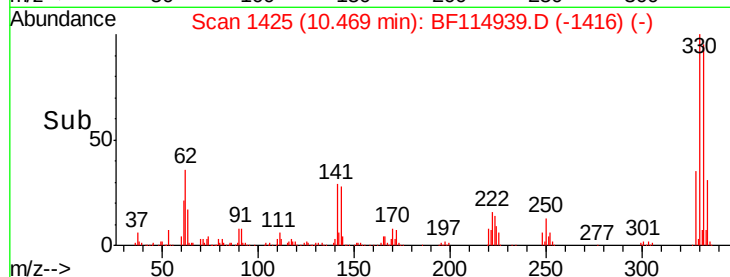
#67  
 4-Bromophenyl-phenylether  
 Concen: 3.597 ng  
 RT: 10.47 min Scan# 1425  
 Delta R.T. -0.25 min  
 Lab File: BF114939.D  
 Acq: 11 Jun 2019 11:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB120177BL

Tot Ion:248 Resp: 36938  
 Ion Ratio Lower Upper  
 248 100  
 250 207.1 77.4 116.0#  
 141 463.5 61.8 92.6#

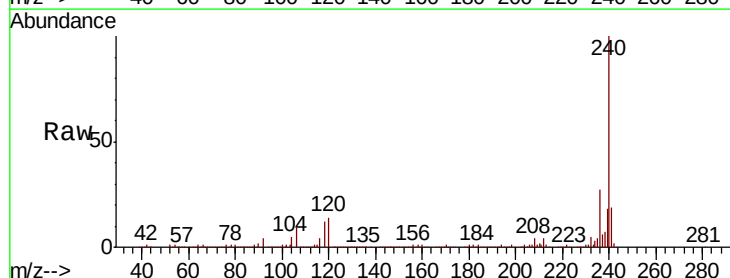


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

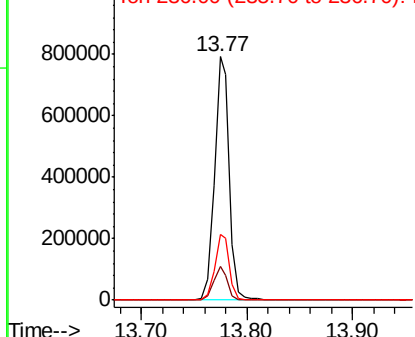
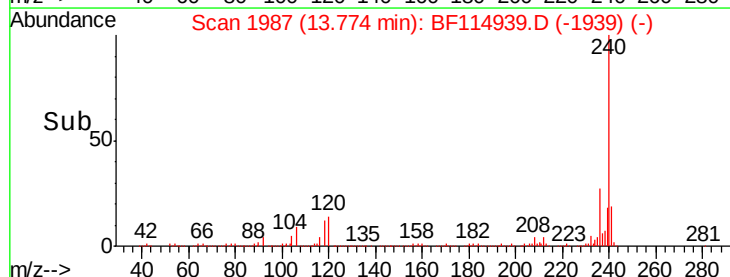


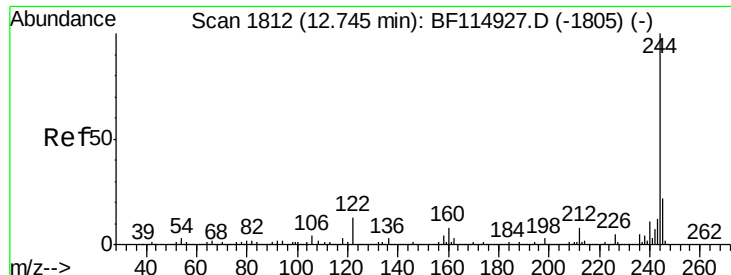
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.77 min Scan# 1987  
 Delta R.T. -0.02 min  
 Lab File: BF114939.D  
 Acq: 11 Jun 2019 11:59

Tgt Ion:240 Resp: 781070  
 Ion Ratio Lower Upper  
 240 100  
 120 13.9 9.2 13.8#  
 236 27.1 21.7 32.5



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

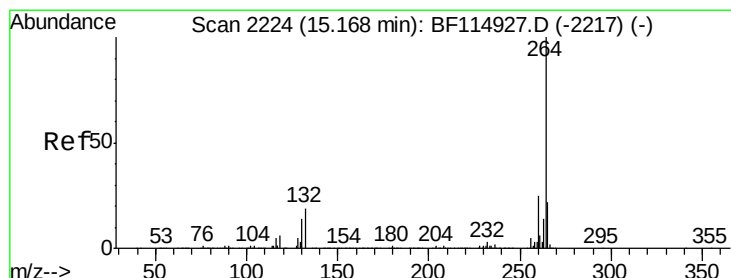
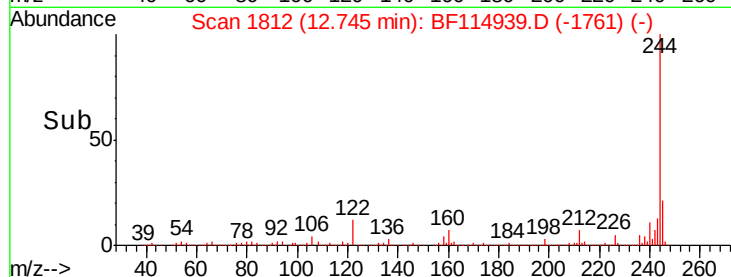
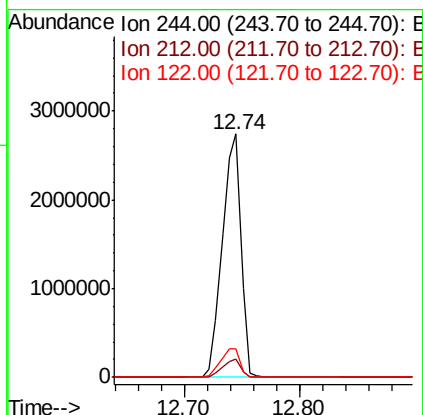
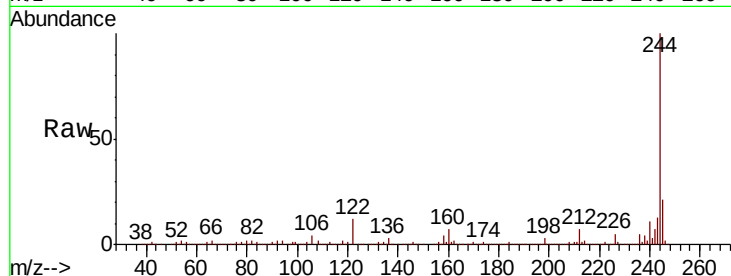




#79  
 Terphenyl-d14  
 Concen: 78.012 ng  
 RT: 12.74 min Scan# 1812  
 Delta R.T. -0.00 min  
 Lab File: BF114939.D  
 Acq: 11 Jun 2019 11:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB120177BL

Tot Ion:244 Resp: 3063942  
 Ion Ratio Lower Upper  
 244 100  
 212 7.5 6.2 9.2  
 122 11.8 10.2 15.4



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.16 min Scan# 2222  
 Delta R.T. -0.01 min  
 Lab File: BF114939.D  
 Acq: 11 Jun 2019 11:59

Tgt Ion:264 Resp: 769120  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.7 29.5  
 265 21.7 17.5 26.3

