

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051719\  
 Data File : BF114344.D  
 Acq On : 17 May 2019 12:48  
 Operator : JU/SJ  
 Sample : K2865-12  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 18 04:57:25 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 10 15:56:46 2019  
 Response via : Initial Calibration

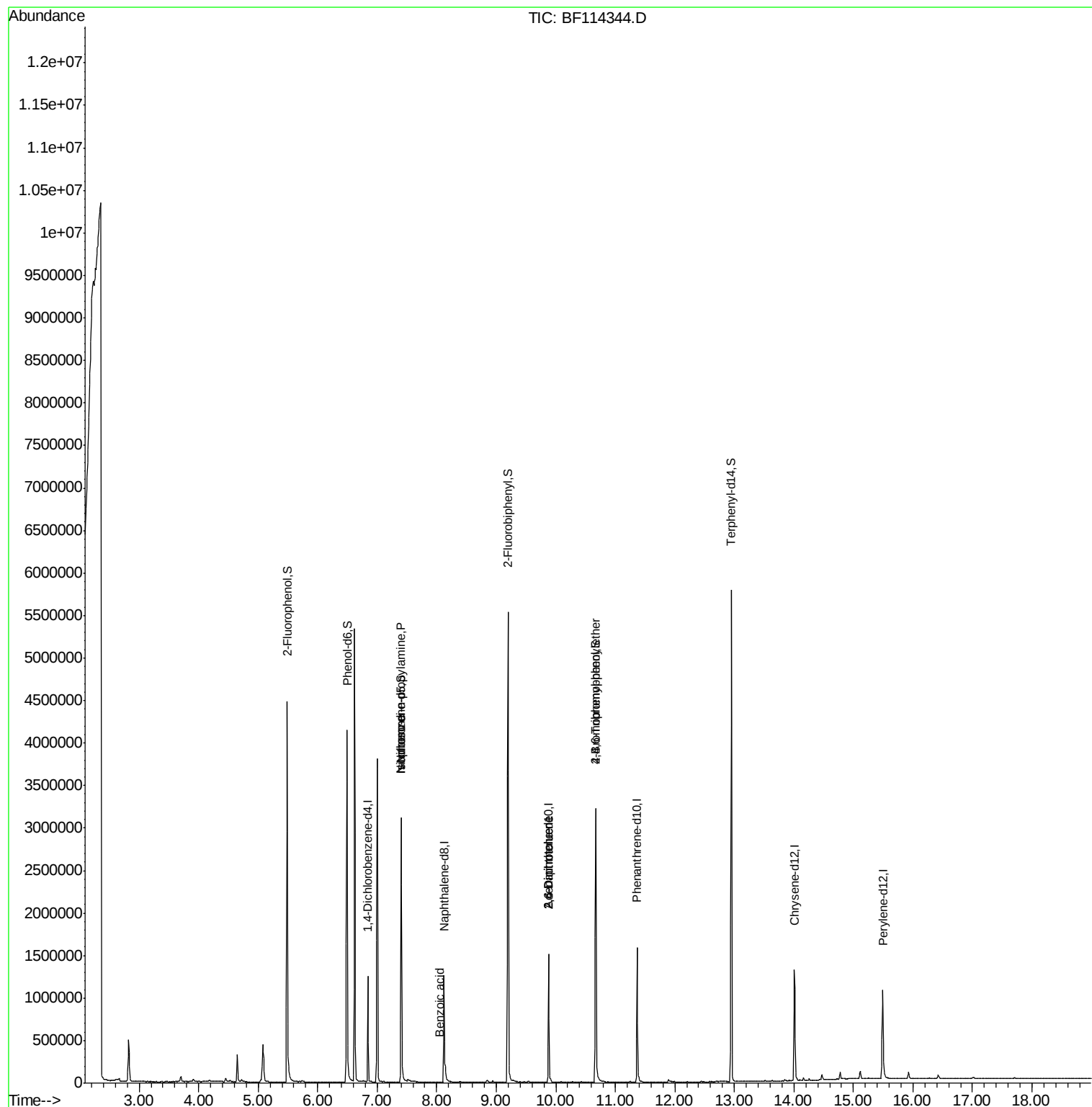
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 182733   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.12  | 136  | 701990   | 20.00  | ng    | -0.01    |
| 39) Acenaphthene-d10           | 9.88  | 164  | 330437   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.37 | 188  | 695446   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.01 | 240  | 528963   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 15.49 | 264  | 516194   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.49  | 112  | 1265766  | 111.47 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.49  | 99   | 1512899  | 112.65 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.40  | 82   | 1113331  | 89.00  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol       | 10.67 | 330  | 453868   | 132.86 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.20  | 172  | 1916876  | 87.75  | ng    | -0.01    |
| 79) Terphenyl-d14              | 12.95 | 244  | 2094982  | 81.64  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70   | 144914   | 17.023 | ng    | # 75     |
| 25) Isophorone                 | 7.40  | 82   | 1113325  | 47.991 | ng    | # 64     |
| 32) Benzoic acid               | 8.05  | 122  | 115      | 7.035  | ng    | # 59     |
| 51) 2,6-Dinitrotoluene         | 9.88  | 165  | 42718    | 7.940  | ng    | # 22     |
| 57) 2,4-Dinitrotoluene         | 9.88  | 165  | 42718    | 5.850  | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether  | 10.67 | 248  | 29592    | 3.865  | ng    | # 1      |

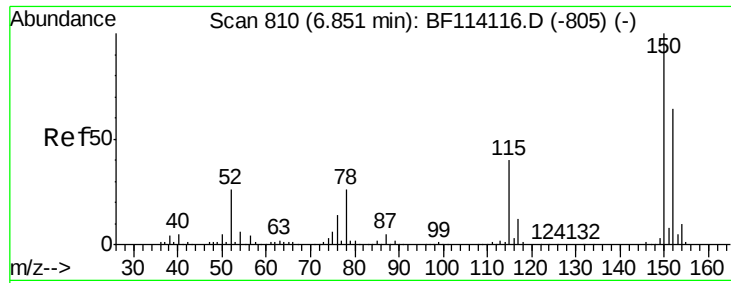
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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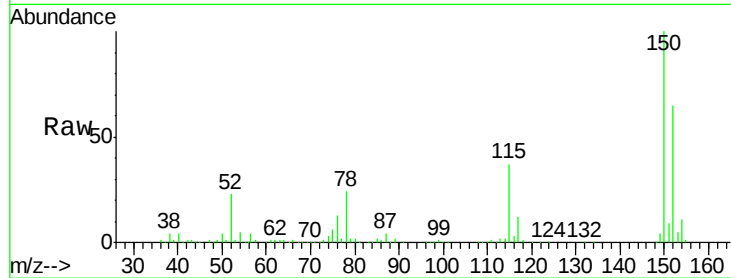


#1

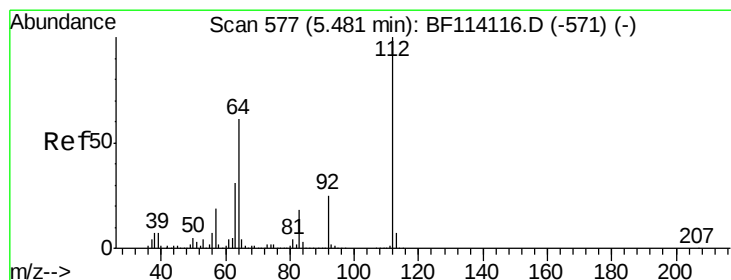
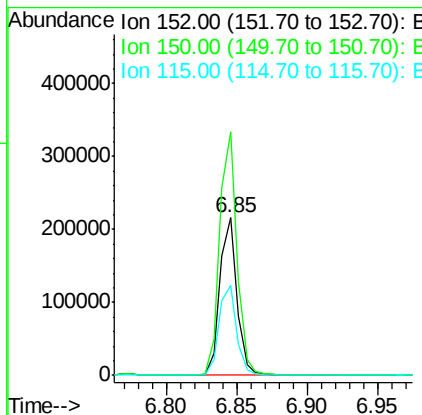
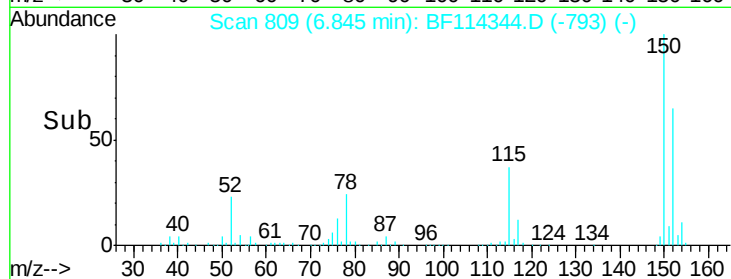
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 809  
Delta R.T. -0.01 min  
Lab File: BF114344.D  
Acq: 17 May 2019 12:48

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 182733  
Ion Ratio Lower Upper  
152 100  
150 154.5 124.3 186.5  
115 56.9 49.1 73.7



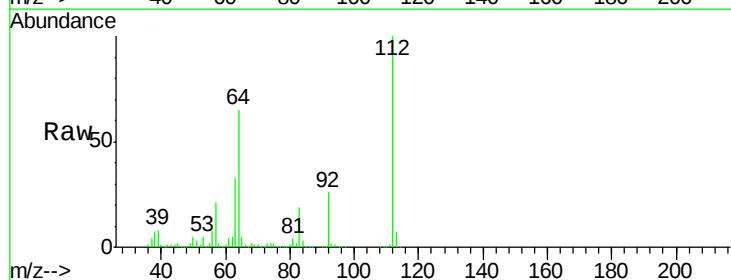
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



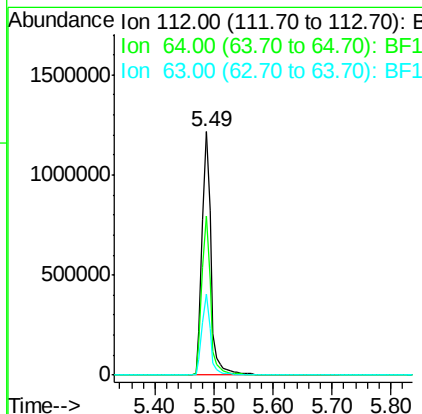
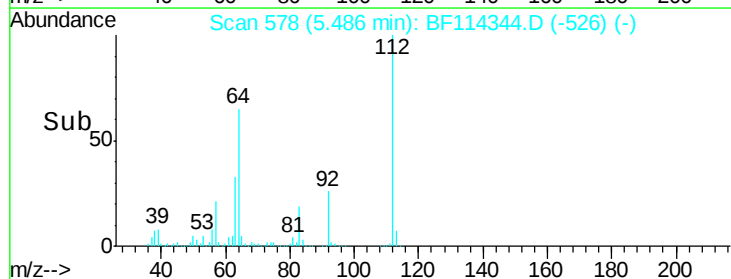
#5

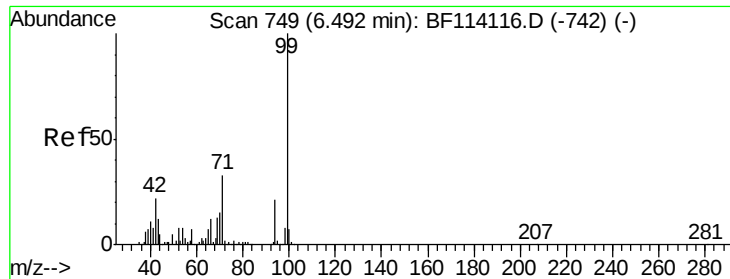
2-Fluorophenol  
Concen: 111.471 ng  
RT: 5.49 min Scan# 578  
Delta R.T. 0.01 min  
Lab File: BF114344.D  
Acq: 17 May 2019 12:48

Tgt Ion:112 Resp: 1265766  
Ion Ratio Lower Upper  
112 100  
64 65.5 49.0 73.6  
63 33.4 24.6 37.0



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: 112.651 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114344.D

Acq: 17 May 2019 12:48

Instrument :

BNA\_F

ClientSampleId :

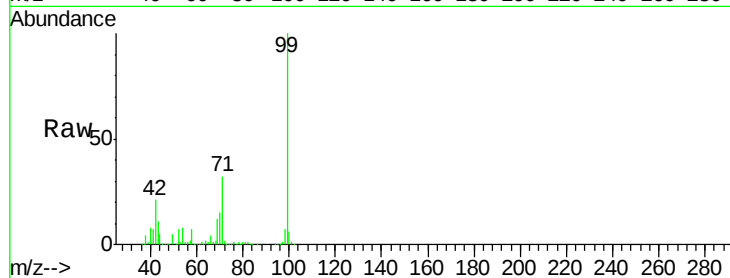
Tot Ion: 99 Resp: 1512899

Ion Ratio Lower Upper

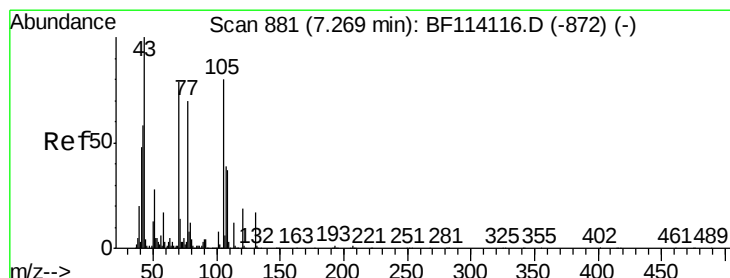
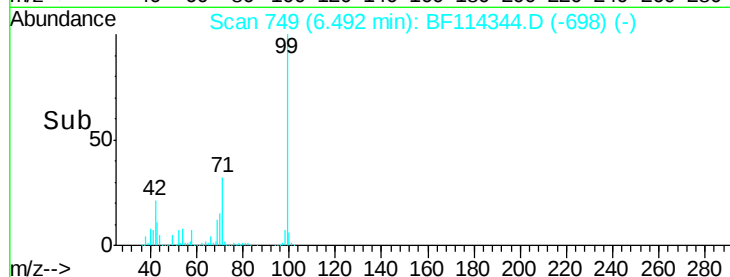
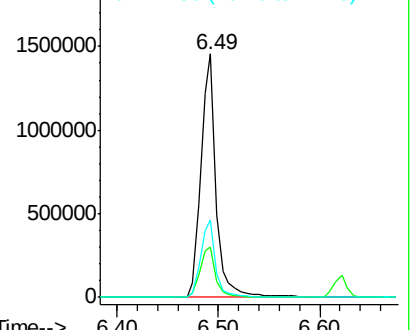
99 100

42 20.7 17.9 26.9

71 31.8 26.2 39.2



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: 17.023 ng

RT: 7.40 min Scan# 904

Delta R.T. 0.14 min

Lab File: BF114344.D

Acq: 17 May 2019 12:48

Tgt Ion: 70 Resp: 144914

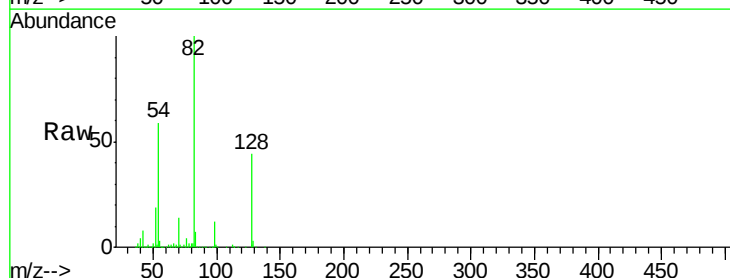
Ion Ratio Lower Upper

70 100

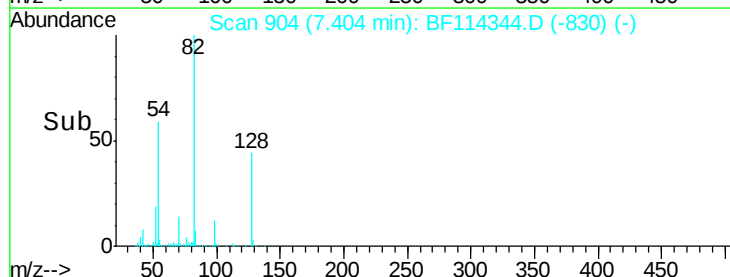
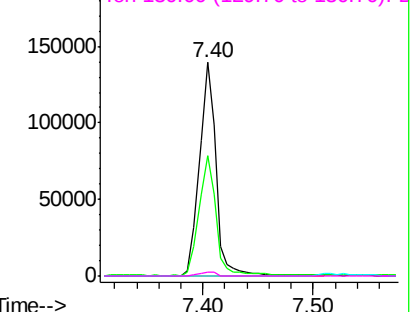
42 56.6 58.6 87.8#

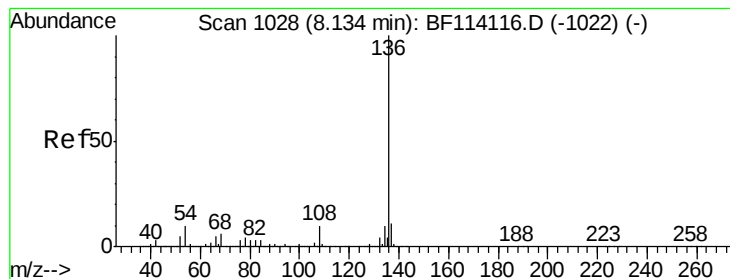
101 0.0 7.8 11.8#

130 2.1 17.1 25.7#



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: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF114344.D

Acq: 17 May 2019 12:48

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:136 Resp: 701990

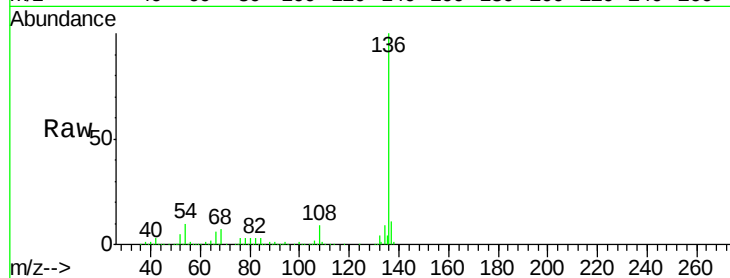
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 10.1 7.8 11.8

68 6.7 5.1 7.7

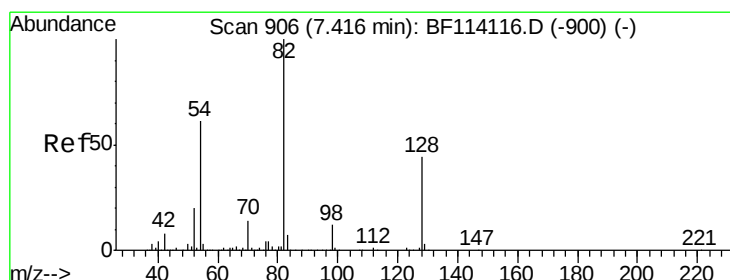
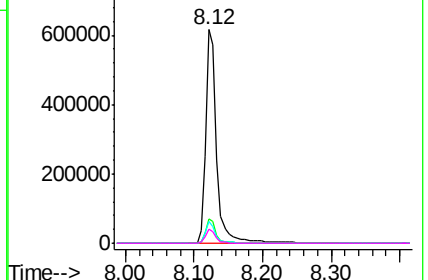
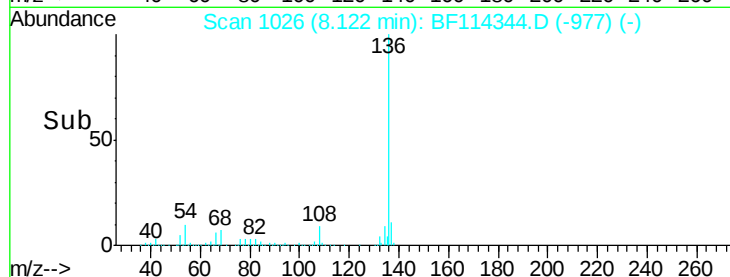


Abundance Ion 136.00 (135.70 to 136.70): E

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: 89.004 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF114344.D

Acq: 17 May 2019 12:48

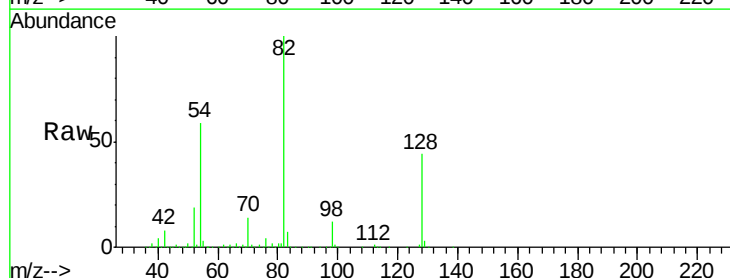
Tgt Ion: 82 Resp: 1113331

Ion Ratio Lower Upper

82 100

128 44.0 35.5 53.3

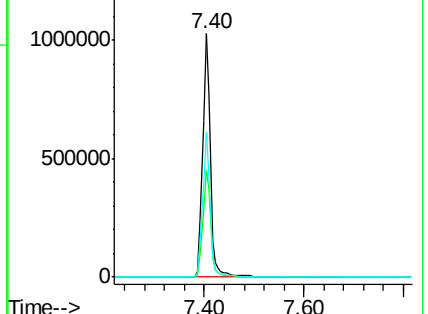
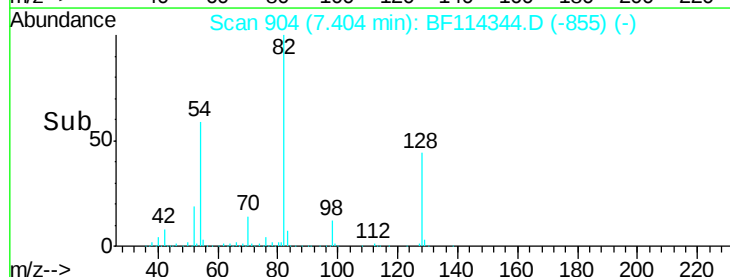
54 59.4 48.5 72.7

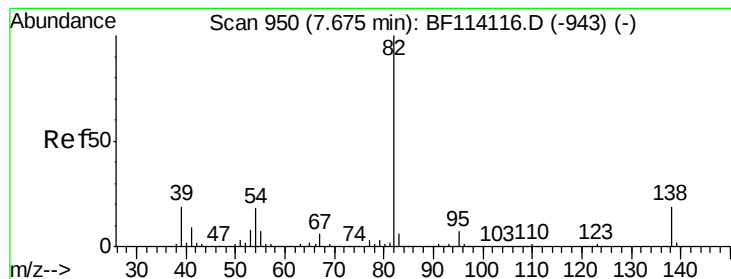


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.991 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.27 min

Lab File: BF114344.D

Acq: 17 May 2019 12:48

Instrument :

BNA\_F

ClientSampleId :

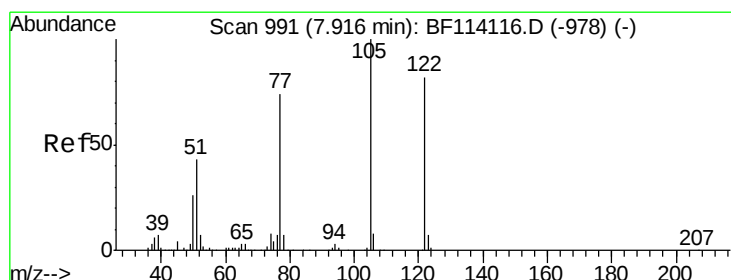
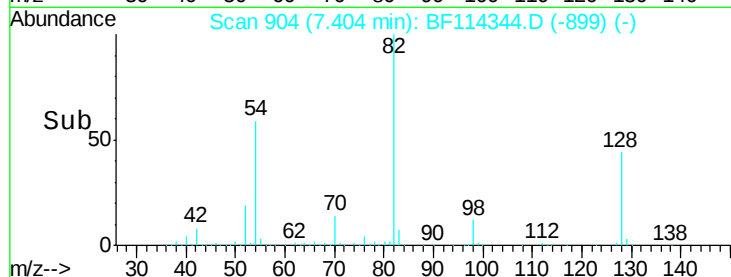
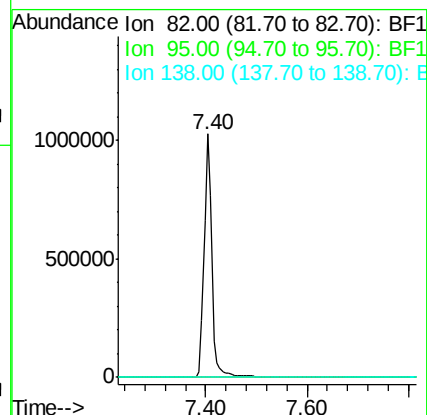
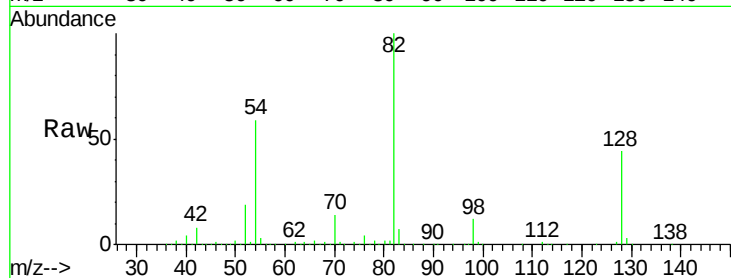
Tot Ion: 82 Resp: 1113325

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.1 14.8 22.2#



#32

Benzoic acid

Concen: 7.035 ng

RT: 8.05 min Scan# 1013

Delta R.T. 0.13 min

Lab File: BF114344.D

Acq: 17 May 2019 12:48

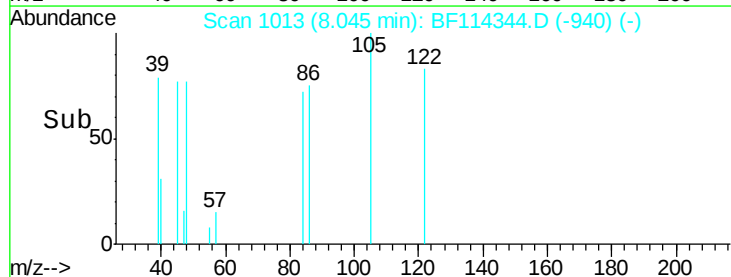
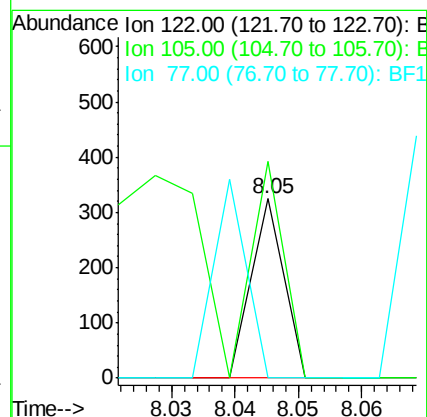
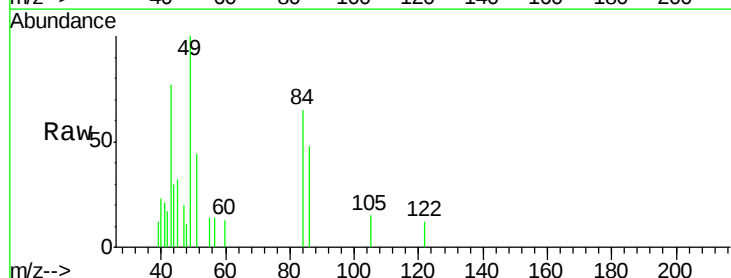
Tgt Ion: 122 Resp: 115

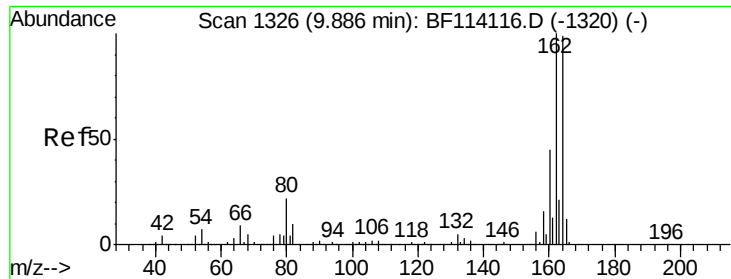
Ion Ratio Lower Upper

122 100

105 120.6 99.9 139.9

77 0.0 69.4 109.4#

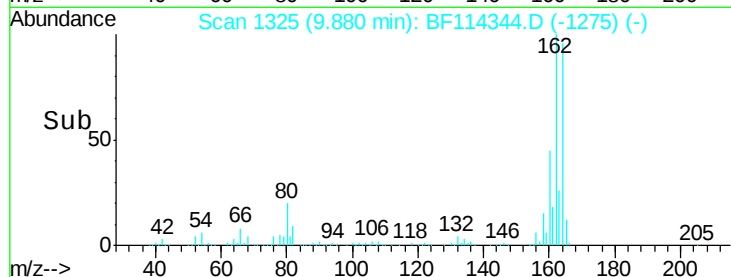
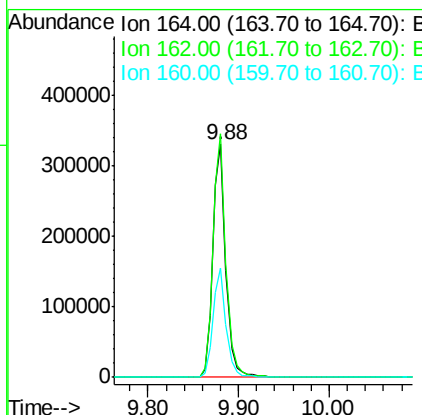
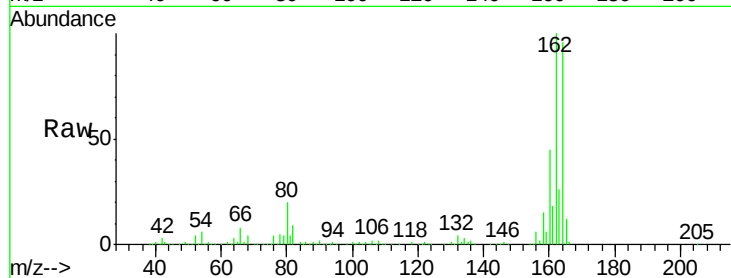




#39  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.88 min Scan# 1325  
 Delta R.T. -0.01 min  
 Lab File: BF114344.D  
 Acq: 17 May 2019 12:48

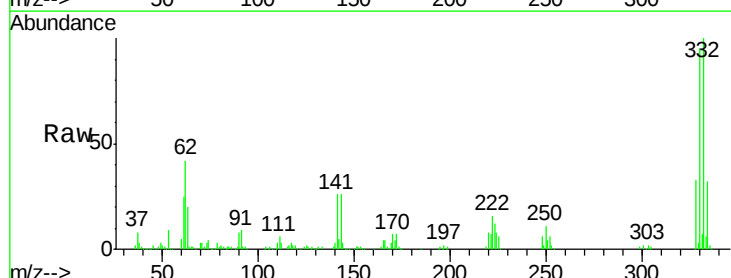
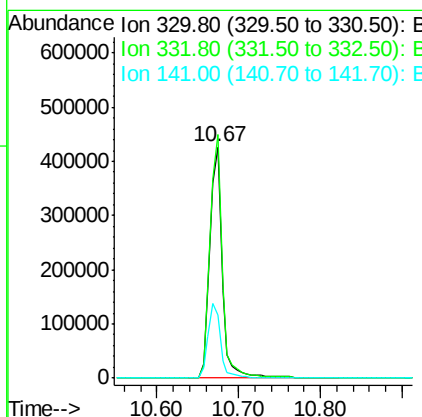
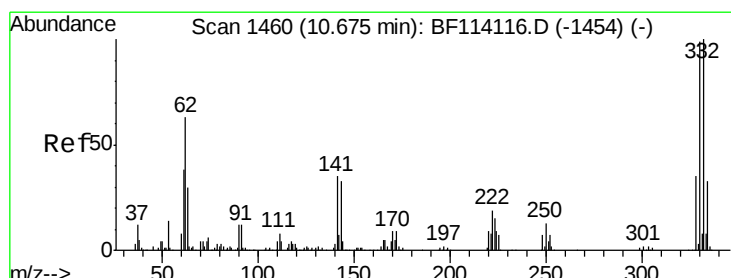
Instrument :  
 BNA\_F  
 ClientSampleId :

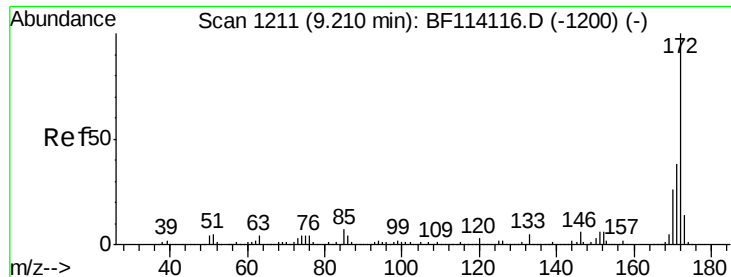
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 104.6 | 80.6  | 120.8 |
| 160     | 46.9  | 36.5  | 54.7  |



#42  
 2,4,6-Tribromophenol  
 Concen: 132.859 ng  
 RT: 10.67 min Scan# 1460  
 Delta R.T. -0.00 min  
 Lab File: BF114344.D  
 Acq: 17 May 2019 12:48

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 103.1 | 81.4  | 122.2 |
| 141     | 33.2  | 26.6  | 40.0  |

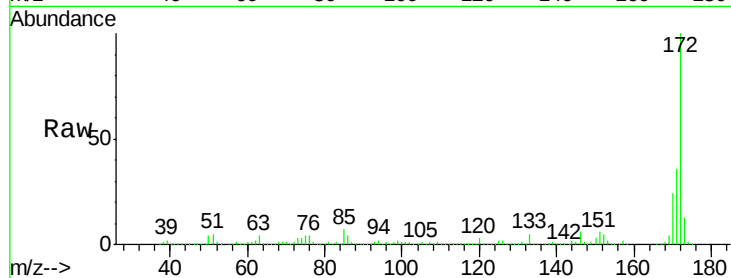




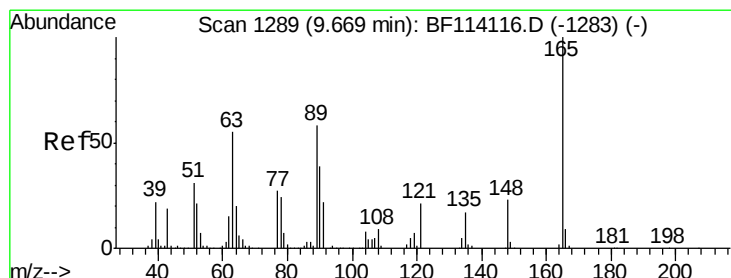
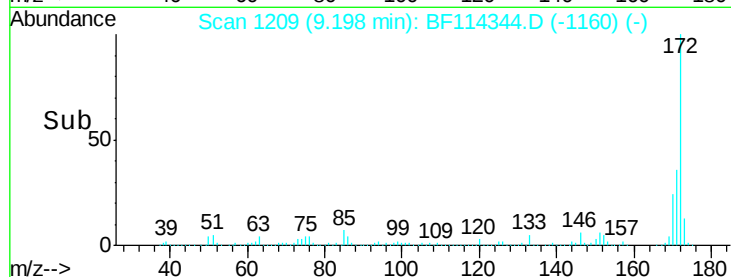
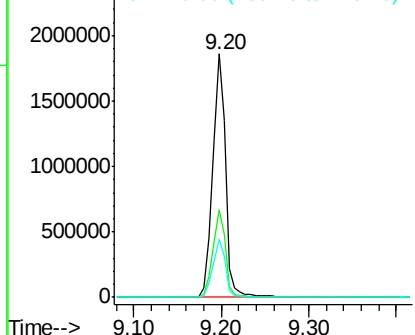
#45  
 2-Fluorobiphenyl  
 Concen: 87.750 ng  
 RT: 9.20 min Scan# 1209  
 Delta R.T. -0.01 min  
 Lab File: BF114344.D  
 Acq: 17 May 2019 12:48

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:172 Resp: 1916876  
 Ion Ratio Lower Upper  
 172 100  
 171 36.1 30.7 46.1  
 170 24.0 20.5 30.7

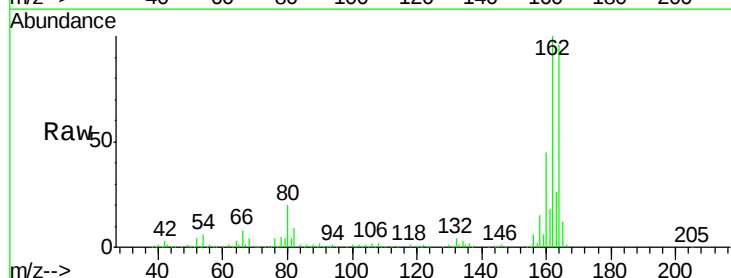


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

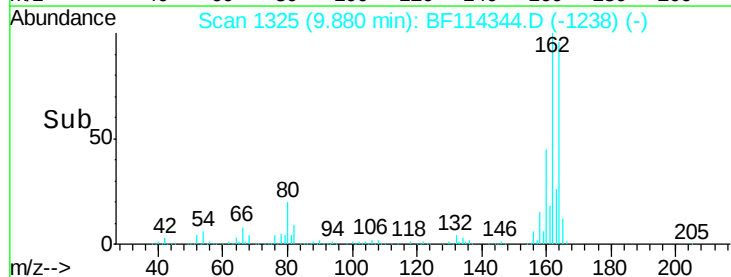
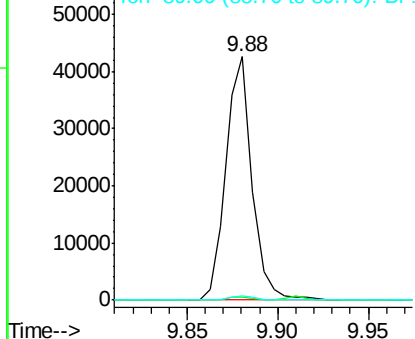


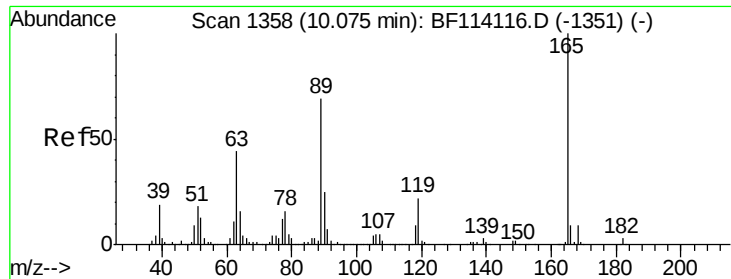
#51  
 2,6-Dinitrotoluene  
 Concen: 7.940 ng  
 RT: 9.88 min Scan# 1325  
 Delta R.T. 0.21 min  
 Lab File: BF114344.D  
 Acq: 17 May 2019 12:48

Tgt Ion:165 Resp: 42718  
 Ion Ratio Lower Upper  
 165 100  
 63 1.4 50.2 75.4#  
 89 1.5 46.6 69.8#



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

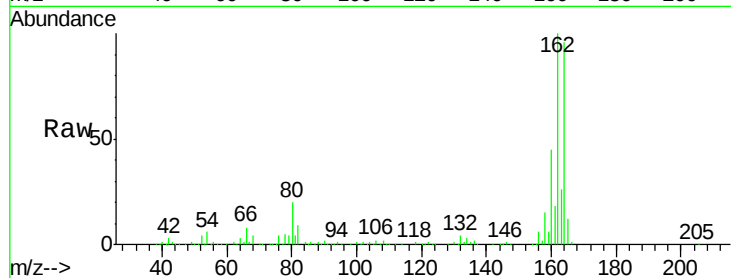




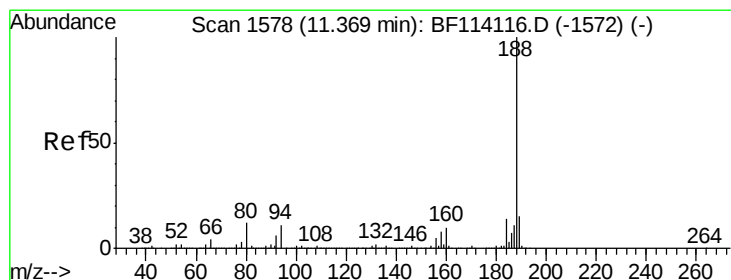
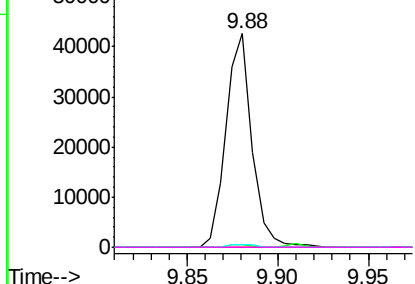
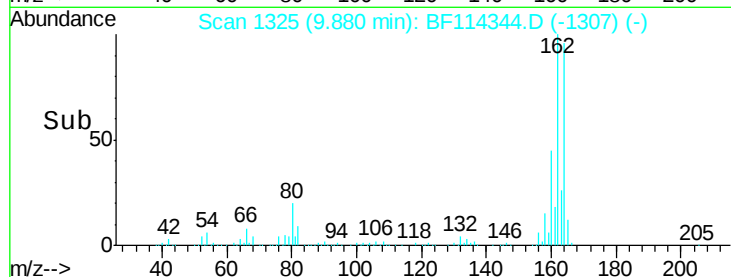
#57  
 2,4-Dinitrotoluene  
 Concen: 5.850 ng  
 RT: 9.88 min Scan# 1325  
 Delta R.T. -0.19 min  
 Lab File: BF114344.D  
 Acq: 17 May 2019 12:48

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:165 Resp: 42718  
 Ion Ratio Lower Upper  
 165 100  
 63 1.4 35.5 53.3#  
 89 1.5 55.2 82.8#  
 182 0.0 2.2 3.2#

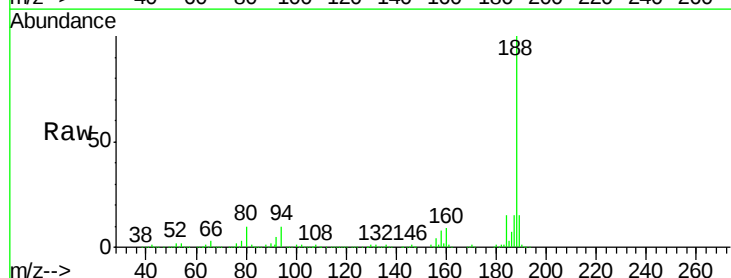


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E

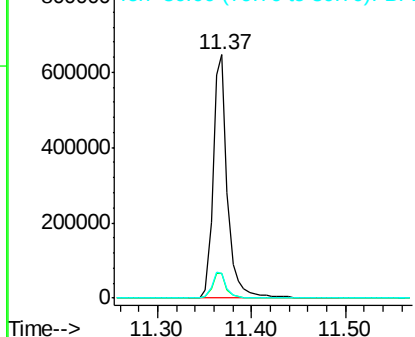
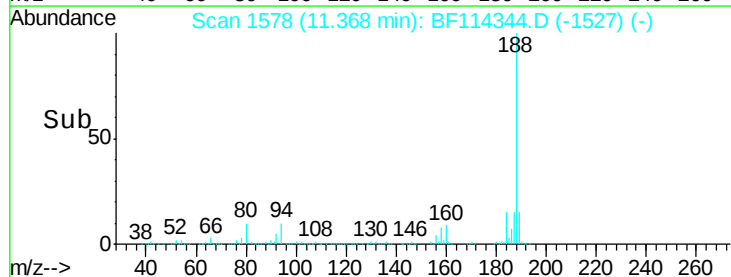


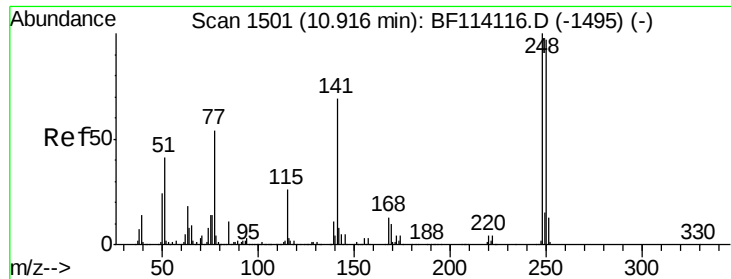
#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.37 min Scan# 1578  
 Delta R.T. -0.00 min  
 Lab File: BF114344.D  
 Acq: 17 May 2019 12:48

Tgt Ion:188 Resp: 695446  
 Ion Ratio Lower Upper  
 188 100  
 94 9.9 8.4 12.6  
 80 10.1 9.2 13.8



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

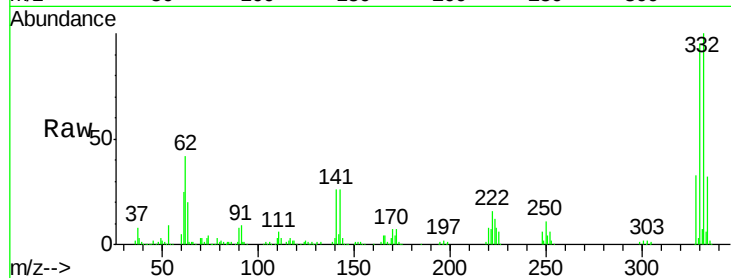




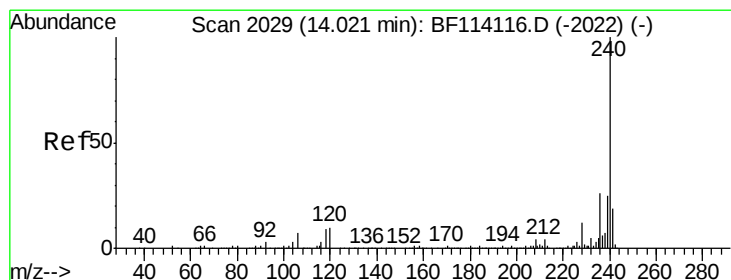
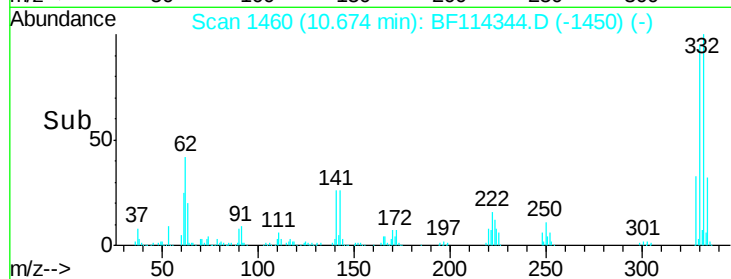
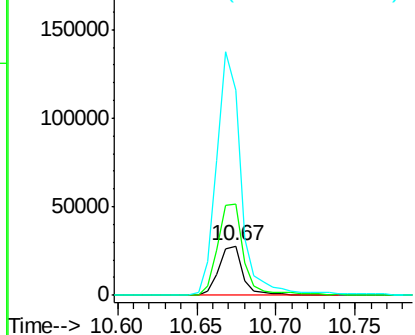
#67  
4-Bromophenyl-phenylether  
Concen: 3.865 ng  
RT: 10.67 min Scan# 1460  
Delta R.T. -0.24 min  
Lab File: BF114344.D  
Acq: 17 May 2019 12:48

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:248 Resp: 29592  
Ion Ratio Lower Upper  
248 100  
250 186.0 77.4 116.2#  
141 417.9 55.6 83.4#

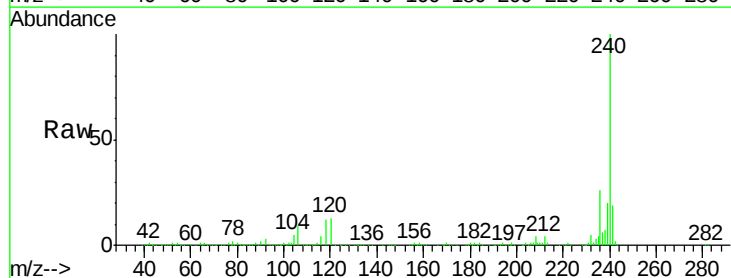


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

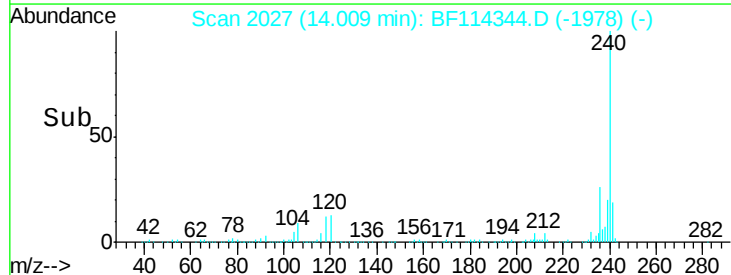
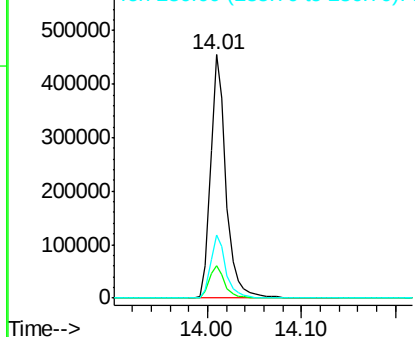


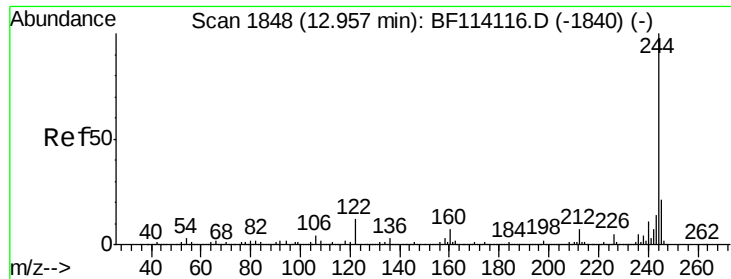
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.01 min Scan# 2027  
Delta R.T. -0.01 min  
Lab File: BF114344.D  
Acq: 17 May 2019 12:48

Tgt Ion:240 Resp: 528963  
Ion Ratio Lower Upper  
240 100  
120 13.4 8.3 12.5#  
236 25.8 20.8 31.2



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

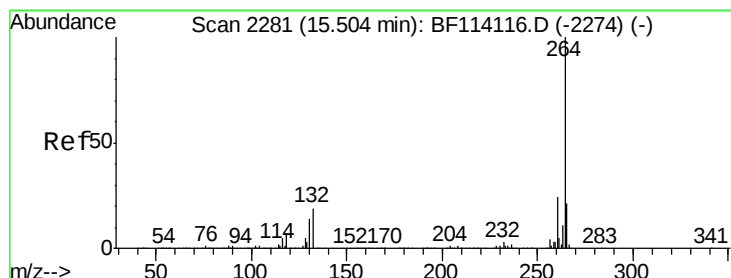
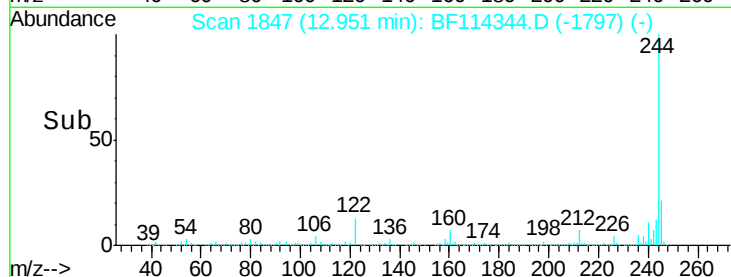
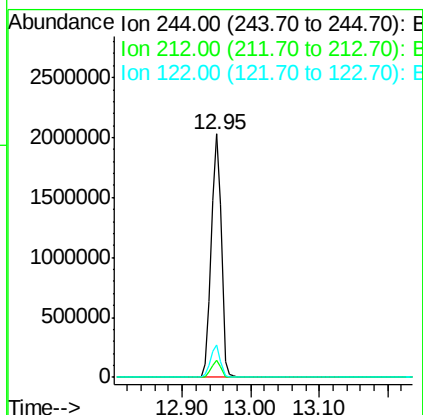
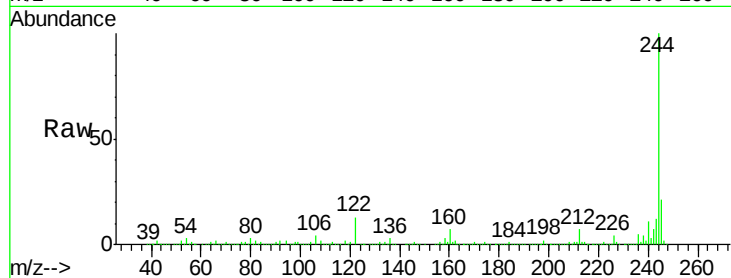




#79  
 Terphenyl-d14  
 Concen: 81.644 ng  
 RT: 12.95 min Scan# 1847  
 Delta R.T. -0.01 min  
 Lab File: BF114344.D  
 Acq: 17 May 2019 12:48

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:244 Resp: 2094982  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.8 8.6  
 122 13.2 9.4 14.2



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.49 min Scan# 2279  
 Delta R.T. -0.01 min  
 Lab File: BF114344.D  
 Acq: 17 May 2019 12:48

Tgt Ion:264 Resp: 516194  
 Ion Ratio Lower Upper  
 264 100  
 260 24.3 19.4 29.0  
 265 21.6 16.9 25.3

