

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061119\  
 Data File : BF114958.D  
 Acq On : 11 Jun 2019 22:01  
 Operator : HP/JU  
 Sample : K3265-08  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-02-COMP

Quant Time: Jun 12 04:33:35 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

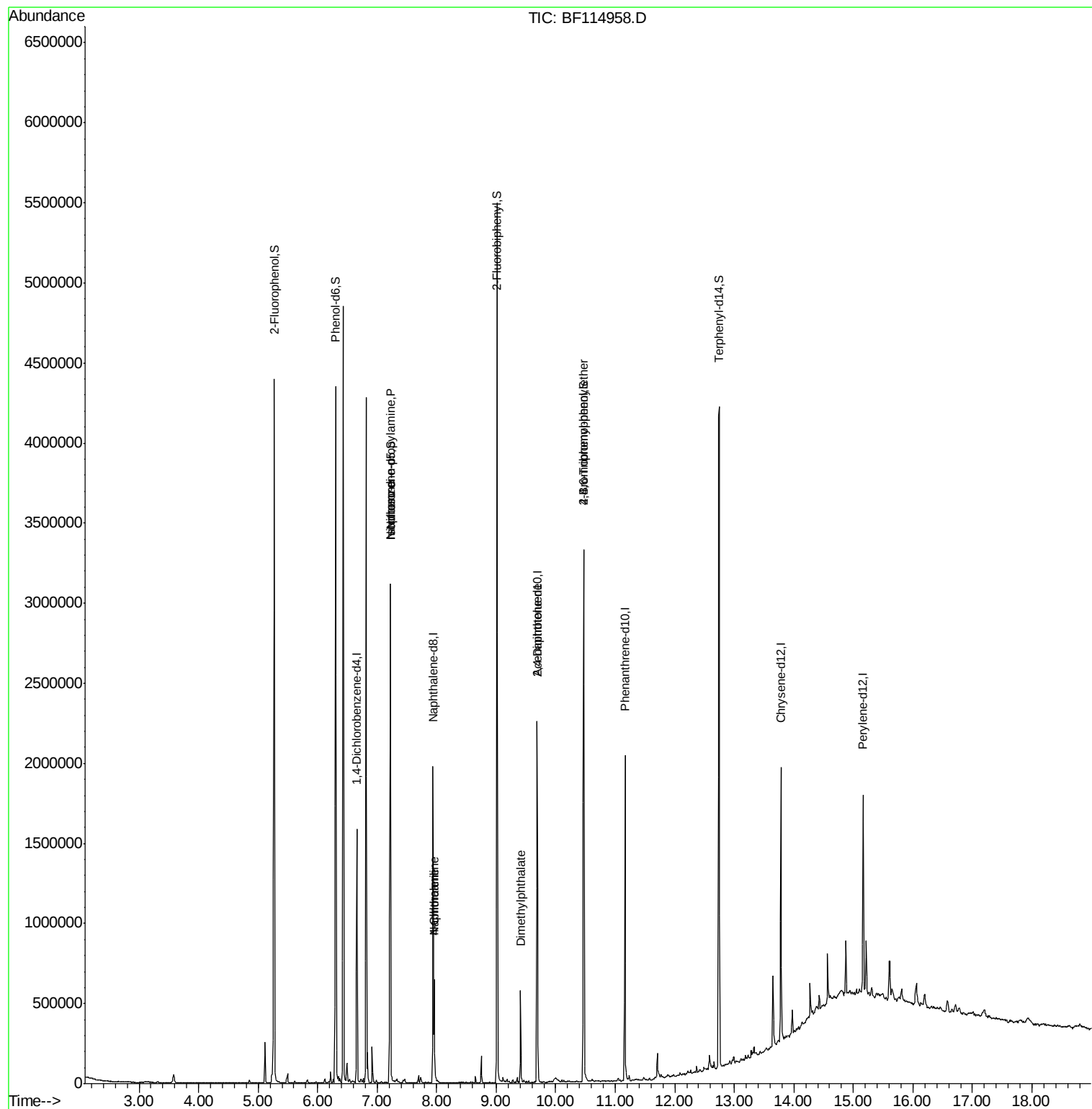
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.66  | 152  | 225024   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.94  | 136  | 864360   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.69  | 164  | 408201   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.16 | 188  | 747224   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 13.78 | 240  | 568671   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 15.16 | 264  | 535916   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.27  | 112  | 1347301  | 101.33 | ng    | 0.00     |
| 7) Phenol-d6                   | 6.30  | 99   | 1676821  | 104.56 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.22  | 82   | 958028   | 68.10  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.47 | 330  | 410927   | 92.54  | ng    | -0.01    |
| 45) 2-Fluorobiphenyl           | 9.02  | 172  | 1650894  | 64.19  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.75 | 244  | 1502039  | 52.53  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.22  | 70   | 125772   | 12.541 | ng    | # 76     |
| 25) Isophorone                 | 7.22  | 82   | 943857   | 34.262 | ng    | # 62     |
| 31) Naphthalene                | 7.96  | 128  | 296000   | 7.432  | ng    | # 96     |
| 33) 4-Chloroaniline            | 7.96  | 127  | 38185    | 2.032  | ng    | # 34     |
| 50) Dimethylphthalate          | 9.41  | 163  | 242141   | 7.892  | ng    | # 97     |
| 57) 2,4-Dinitrotoluene         | 9.69  | 165  | 54761    | 6.148  | ng    | # 26     |
| 67) 4-Bromophenyl-phenylether  | 10.47 | 248  | 26604    | 3.287  | ng    | # 1      |

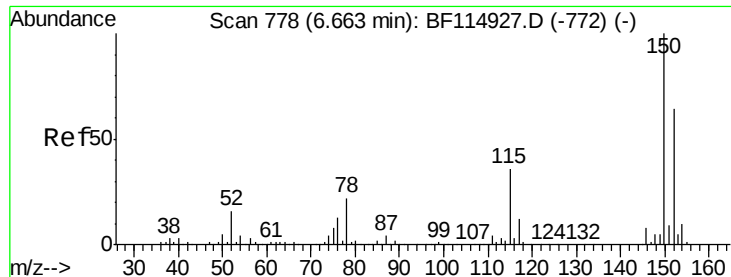
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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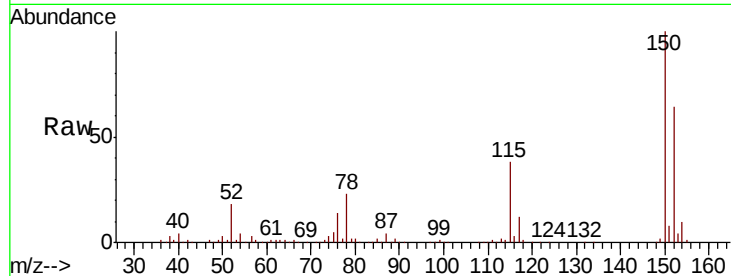


#1

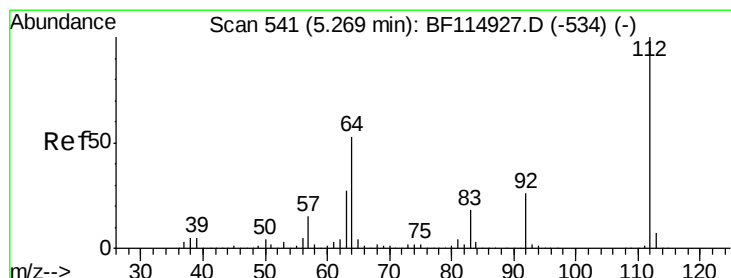
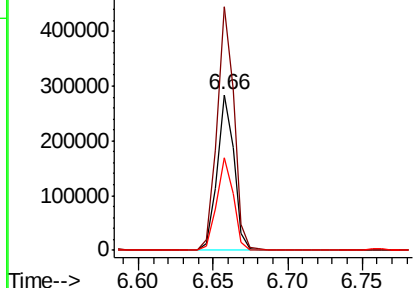
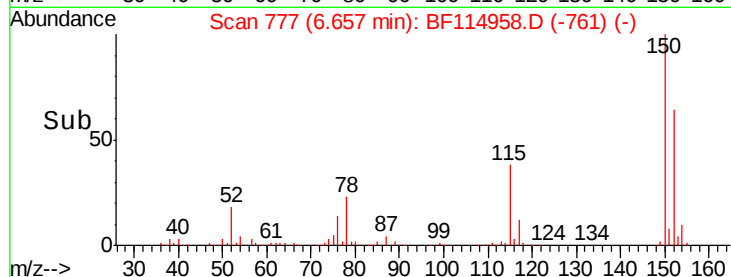
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.66 min Scan# 777  
Delta R.T. -0.01 min  
Lab File: BF114958.D  
Acq: 11 Jun 2019 22:01

Instrument :  
BNA\_F  
ClientSampleId :  
B-02-COMP

Tot Ion:152 Resp: 225024  
Ion Ratio Lower Upper  
152 100  
150 156.2 125.2 187.8  
115 59.1 45.0 67.4



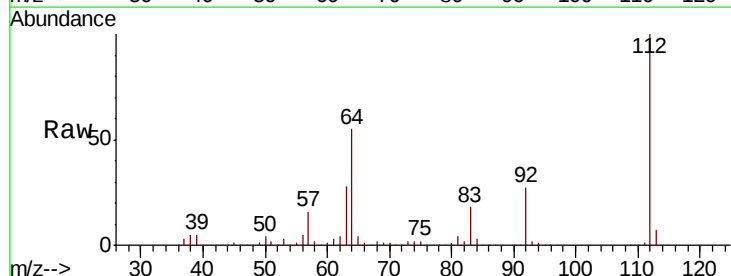
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



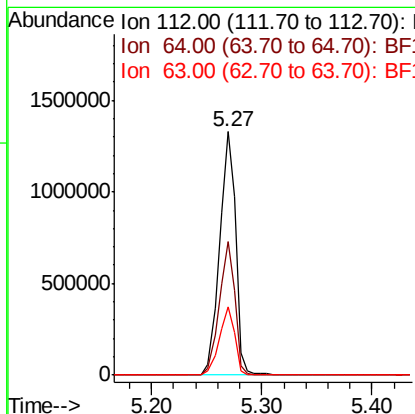
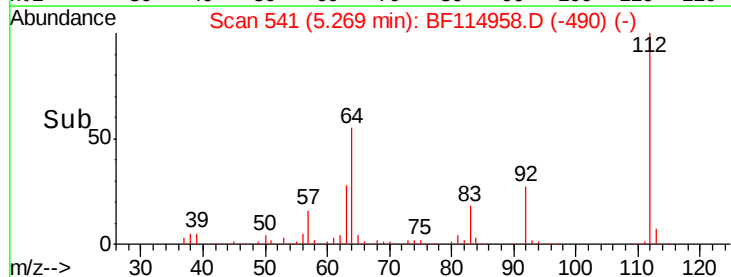
#5

2-Fluorophenol  
Concen: 101.331 ng  
RT: 5.27 min Scan# 541  
Delta R.T. 0.00 min  
Lab File: BF114958.D  
Acq: 11 Jun 2019 22:01

Tgt Ion:112 Resp: 1347301  
Ion Ratio Lower Upper  
112 100  
64 55.1 42.1 63.1  
63 28.1 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: 104.556 ng

RT: 6.30 min Scan# 717

Delta R.T. -0.01 min

Lab File: BF114958.D

Acq: 11 Jun 2019 22:01

Instrument :

BNA\_F

ClientSampleId :

B-02-COMP

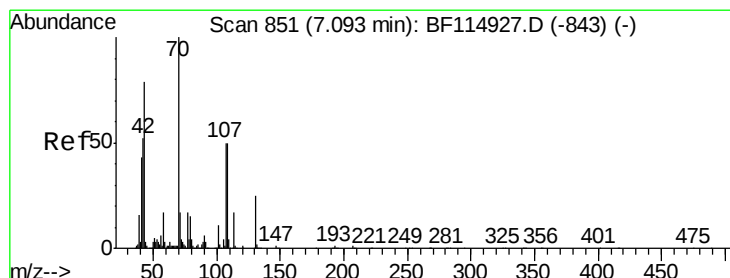
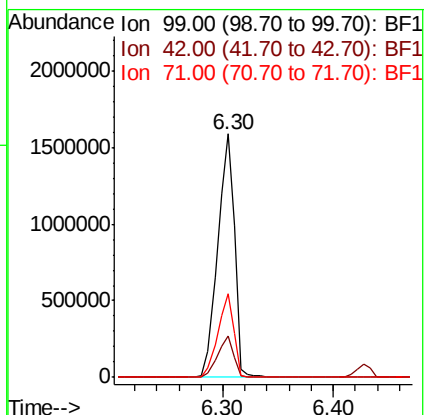
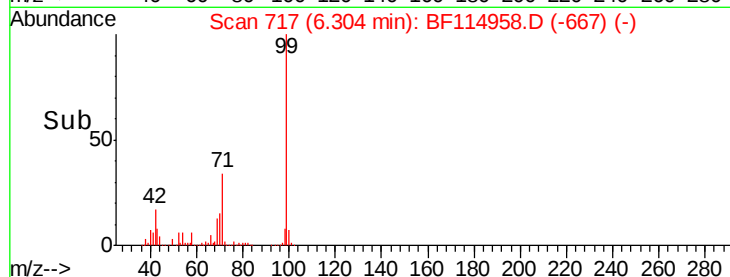
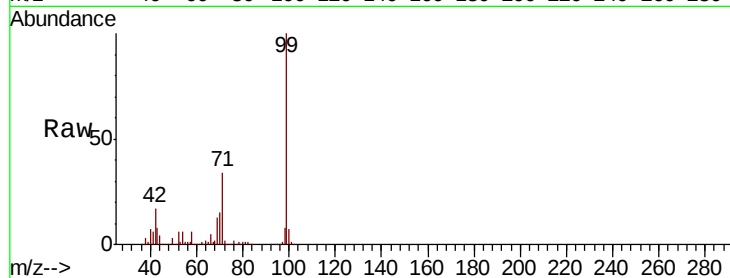
Tot Ion: 99 Resp: 1676821

Ion Ratio Lower Upper

99 100

42 17.0 13.1 19.7

71 34.3 26.8 40.2



#19

n-Nitroso-di-n-propylamine

Concen: 12.541 ng

RT: 7.22 min Scan# 873

Delta R.T. 0.13 min

Lab File: BF114958.D

Acq: 11 Jun 2019 22:01

Tgt Ion: 70 Resp: 125772

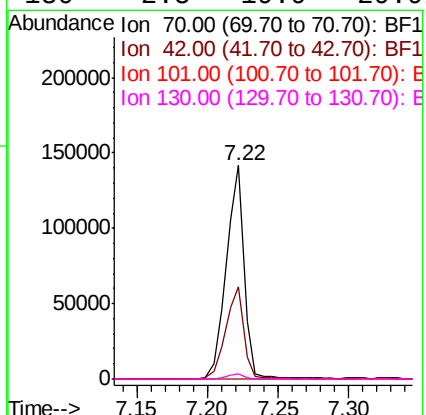
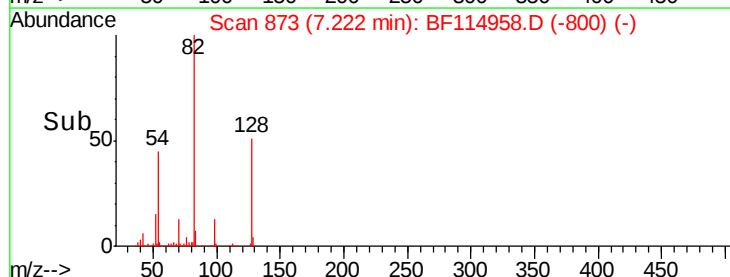
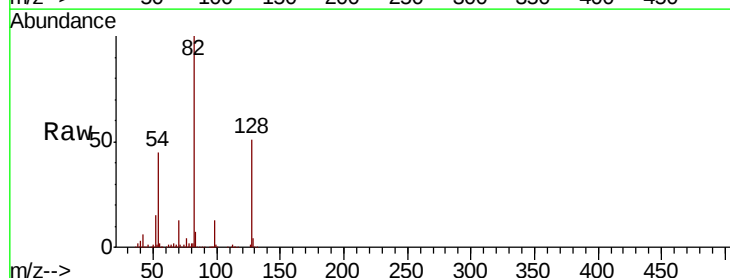
Ion Ratio Lower Upper

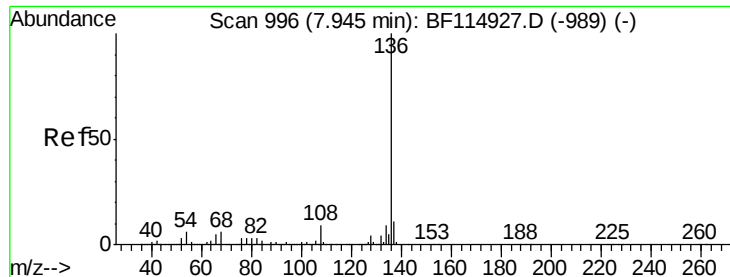
70 100

42 43.2 41.7 62.5

101 0.0 8.4 12.6#

130 2.5 19.9 29.9#

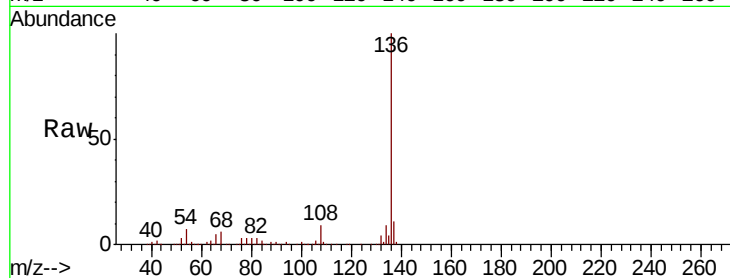




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 7.94 min Scan# 995  
Delta R.T. -0.01 min  
Lab File: BF114958.D  
Acq: 11 Jun 2019 22:01

Instrument :  
BNA\_F  
ClientSampleId :  
B-02-COMP

|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 864360 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 11.2    | 9.0   | 13.6   |  |
| 54 6.7      | 5.2   | 7.8    |  |
| 68 5.9      | 4.6   | 7.0    |  |



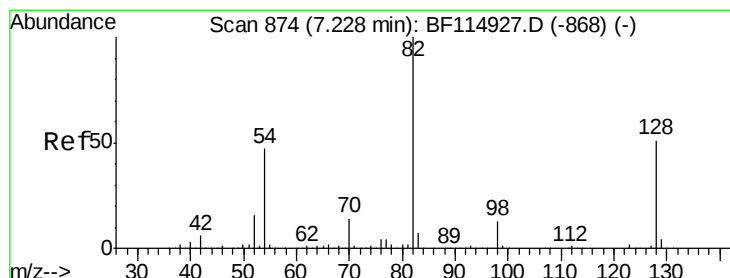
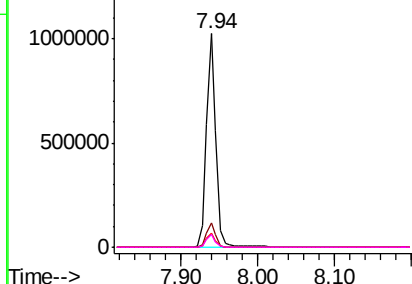
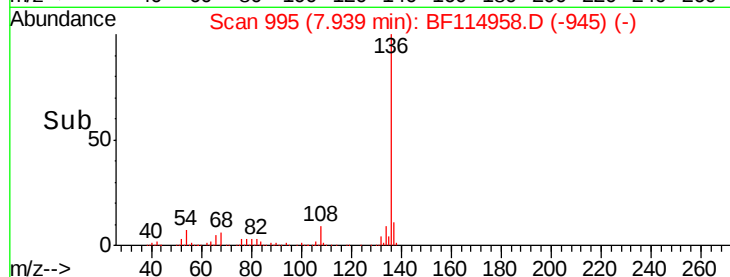
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

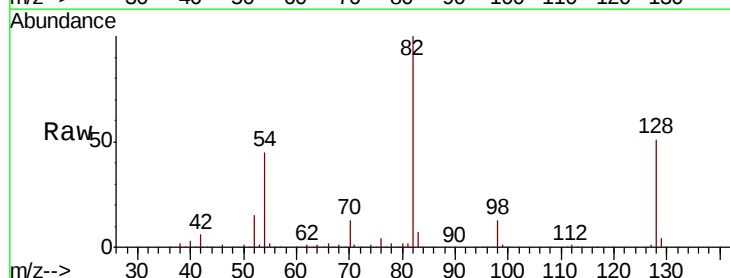
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23  
Nitrobenzene-d5  
Concen: 68.100 ng  
RT: 7.22 min Scan# 873  
Delta R.T. -0.01 min  
Lab File: BF114958.D  
Acq: 11 Jun 2019 22:01

|             |              |
|-------------|--------------|
| Tgt Ion: 82 | Resp: 958028 |
| Ion Ratio   | Lower Upper  |
| 82 100      |              |
| 128 51.4    | 40.9 61.3    |
| 54 45.0     | 37.4 56.0    |

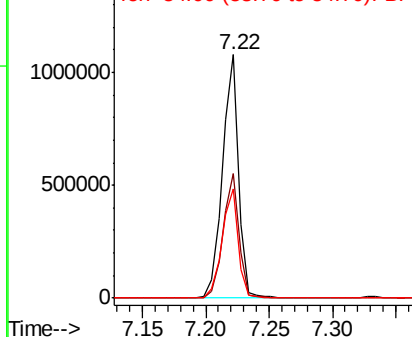
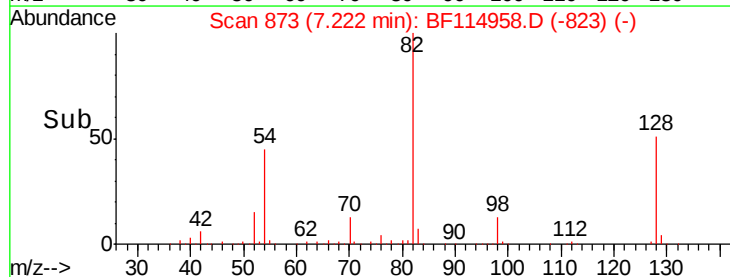


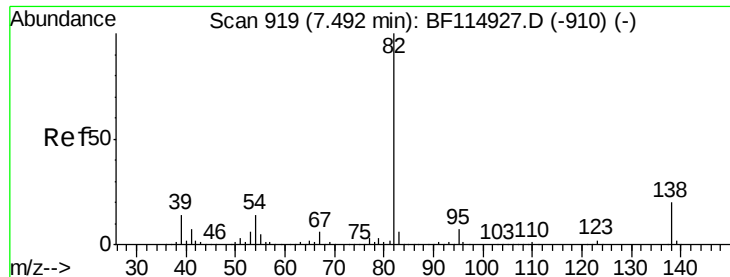
Abundance

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: 34.262 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.27 min

Lab File: BF114958.D

Acq: 11 Jun 2019 22:01

Instrument :

BNA\_F

ClientSampleId :

B-02-COMP

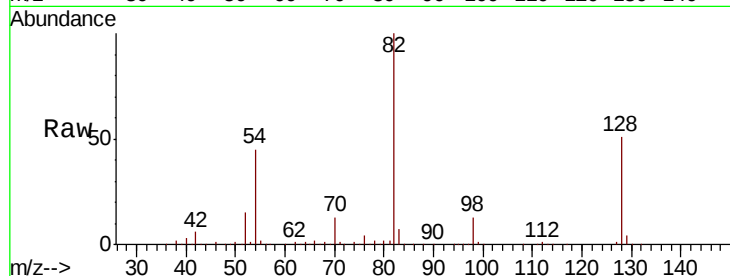
Tot Ion: 82 Resp: 943857

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

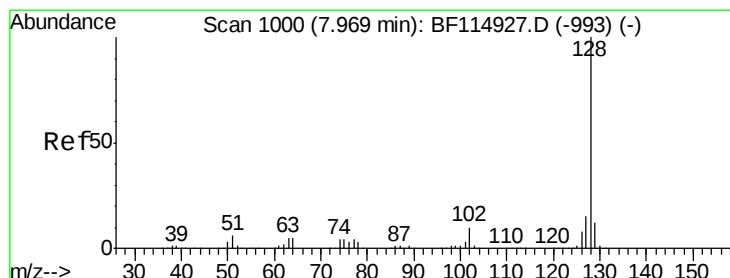
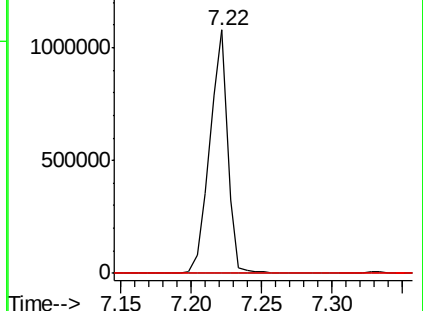
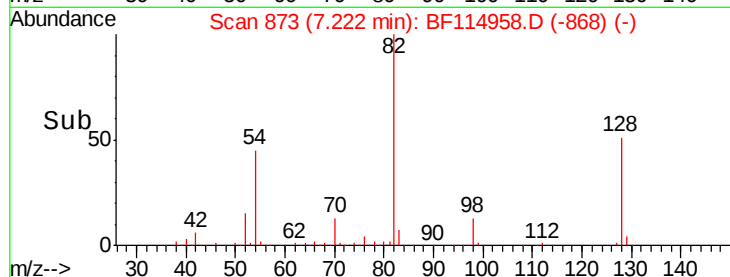
138 0.0 16.4 24.6#



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



#31

Naphthalene

Concen: 7.432 ng

RT: 7.96 min Scan# 999

Delta R.T. -0.01 min

Lab File: BF114958.D

Acq: 11 Jun 2019 22:01

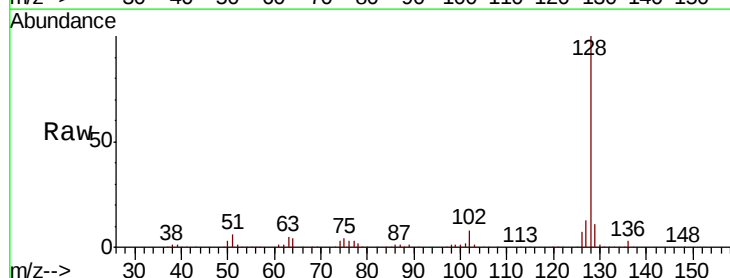
Tgt Ion: 128 Resp: 296000

Ion Ratio Lower Upper

128 100

129 11.1 9.8 14.8

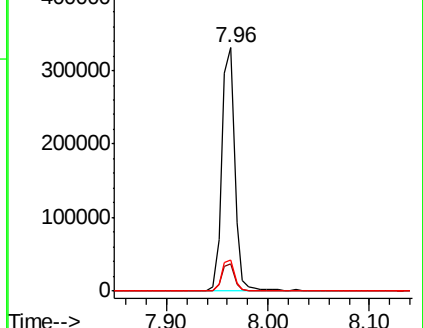
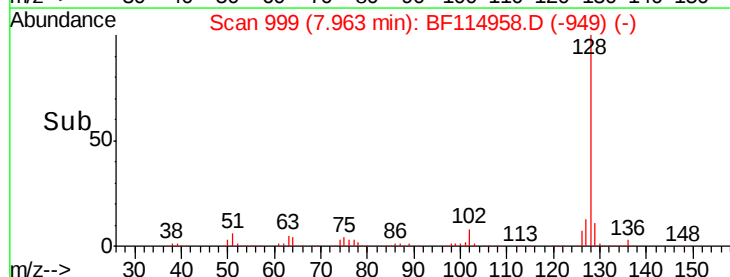
127 13.0 11.8 17.6

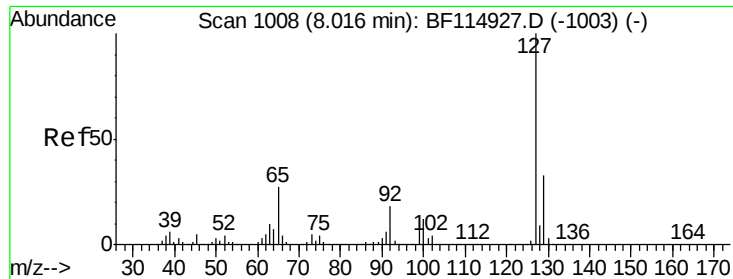


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

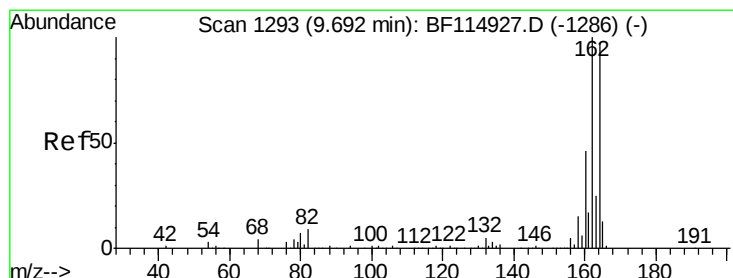
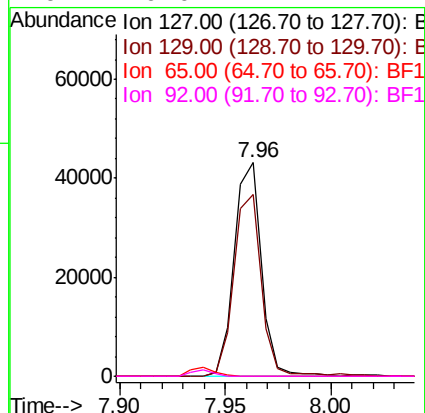
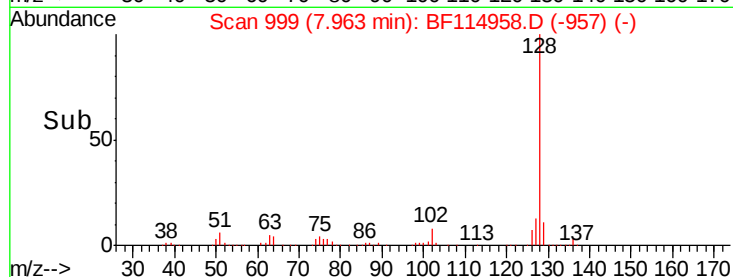
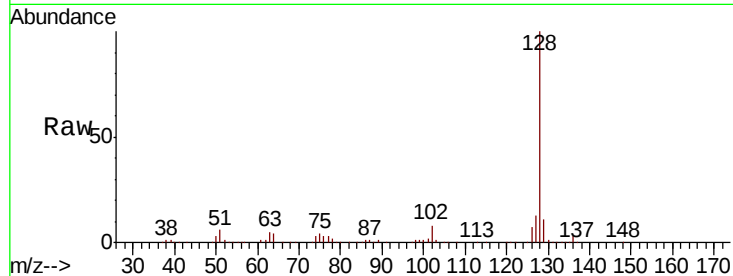




#33  
4-Chloroaniline  
Concen: 2.032 ng  
RT: 7.96 min Scan# 999  
Delta R.T. -0.05 min  
Lab File: BF114958.D  
Acq: 11 Jun 2019 22:01

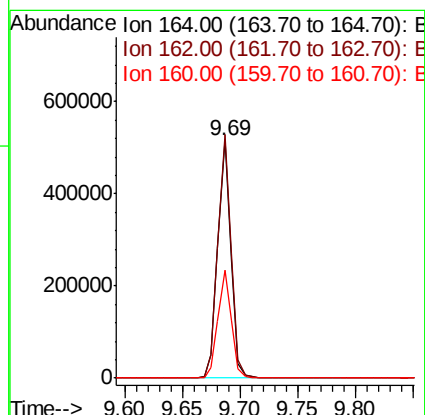
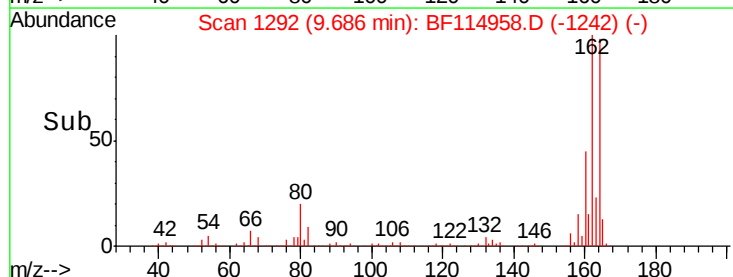
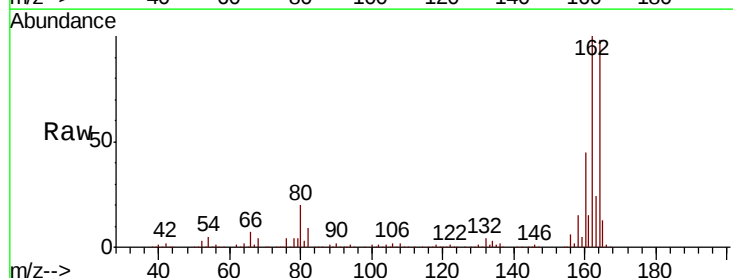
Instrument :  
BNA\_F  
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B-02-COMP

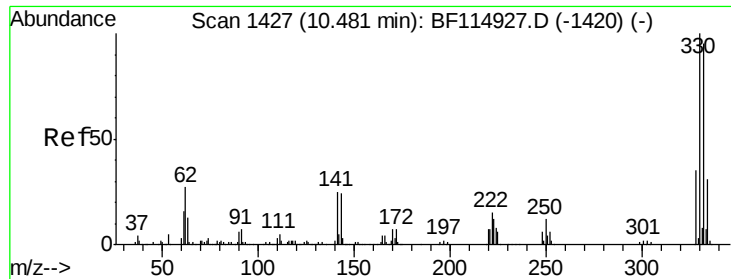
Tot Ion:127 Resp: 38185  
Ion Ratio Lower Upper  
127 100  
129 85.1 26.6 40.0#  
65 0.0 21.5 32.3#  
92 0.0 14.7 22.1#



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.69 min Scan# 1292  
Delta R.T. -0.01 min  
Lab File: BF114958.D  
Acq: 11 Jun 2019 22:01

Tgt Ion:164 Resp: 408201  
Ion Ratio Lower Upper  
164 100  
162 102.3 82.4 123.6  
160 45.6 37.5 56.3

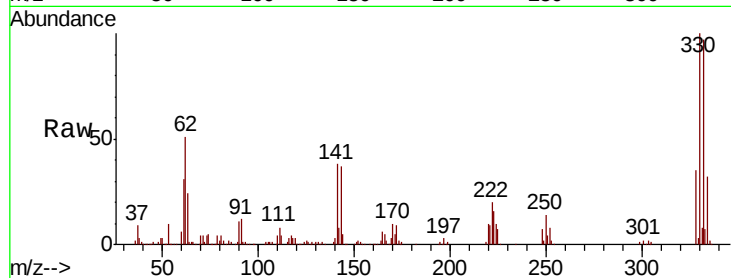




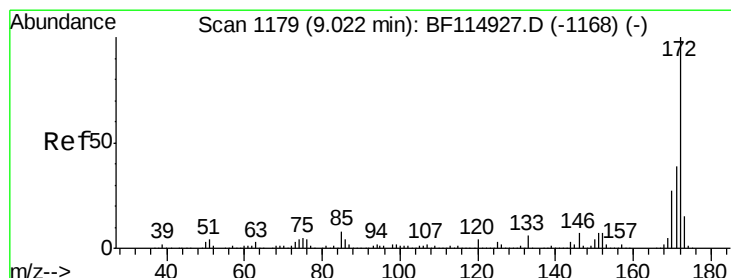
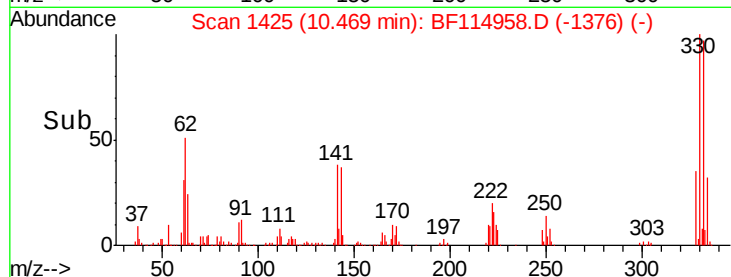
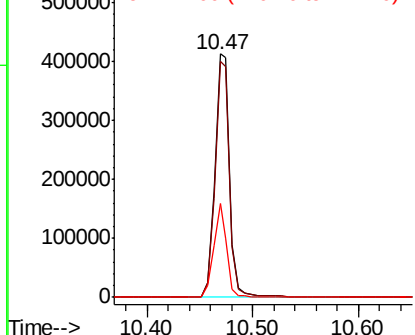
#42  
 2,4,6-Tribromophenol  
 Concen: 92.542 ng  
 RT: 10.47 min Scan# 1425  
 Delta R.T. -0.01 min  
 Lab File: BF114958.D  
 Acq: 11 Jun 2019 22:01

Instrument :  
 BNA\_F  
 ClientSampled :  
 B-02-COMP

Tot Ion:330 Resp: 410927  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 76.4 114.6  
 141 34.1 26.8 40.2

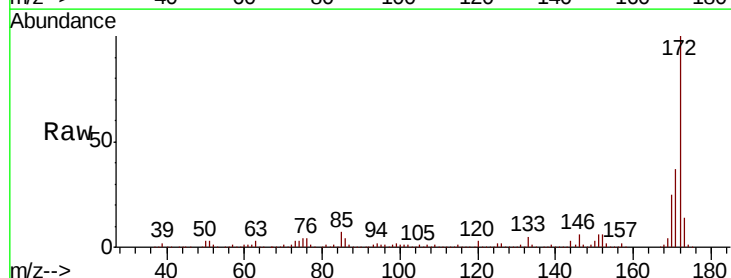


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

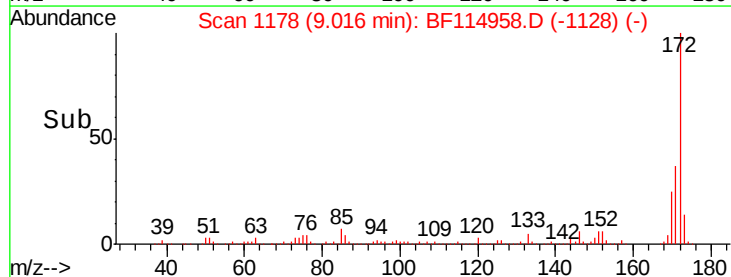
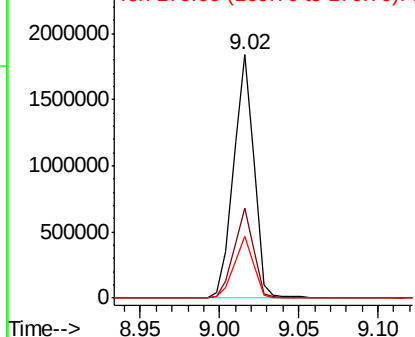


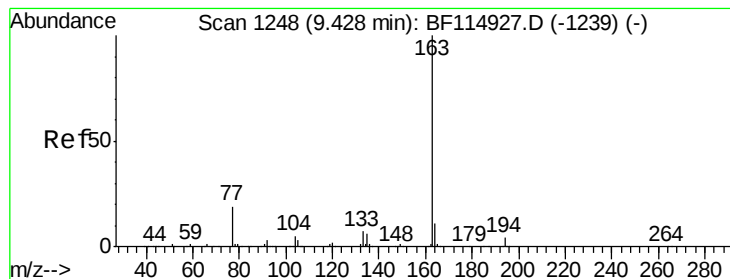
#45  
 2-Fluorobiphenyl  
 Concen: 64.186 ng  
 RT: 9.02 min Scan# 1178  
 Delta R.T. -0.01 min  
 Lab File: BF114958.D  
 Acq: 11 Jun 2019 22:01

Tgt Ion:172 Resp: 1650894  
 Ion Ratio Lower Upper  
 172 100  
 171 37.1 31.3 46.9  
 170 25.2 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: 7.892 ng

RT: 9.41 min Scan# 1245

Delta R.T. -0.02 min

Lab File: BF114958.D

Acq: 11 Jun 2019 22:01

Instrument :

BNA\_F

ClientSampleId :

B-02-COMP

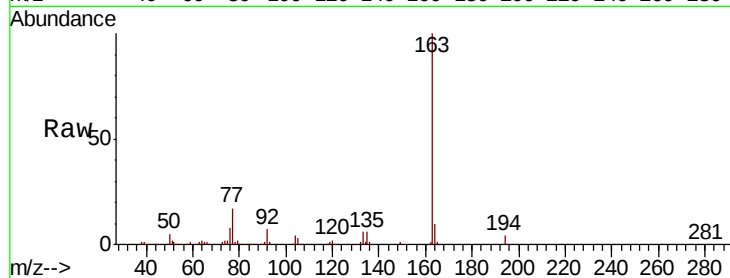
Tot Ion:163 Resp: 242141

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

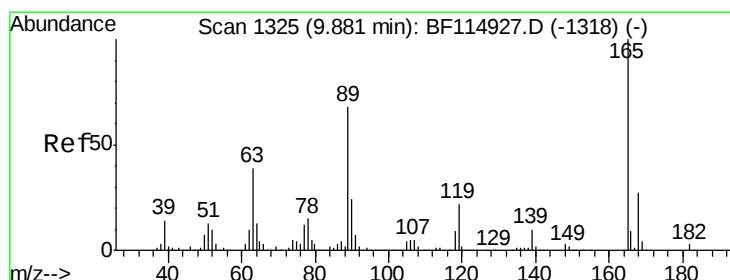
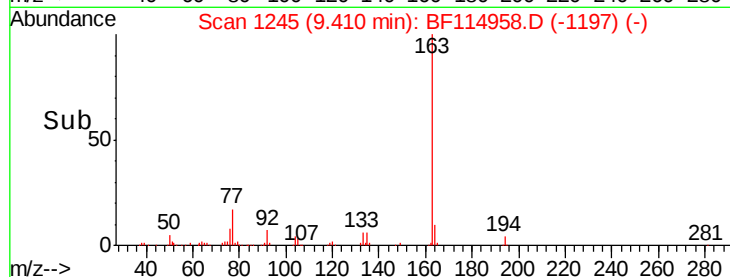
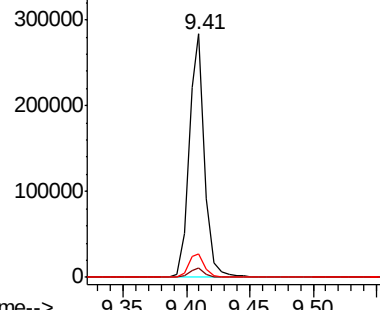
164 9.6 8.7 13.1



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



#57

2,4-Dinitrotoluene

Concen: 6.148 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.19 min

Lab File: BF114958.D

Acq: 11 Jun 2019 22:01

Tgt Ion:165 Resp: 54761

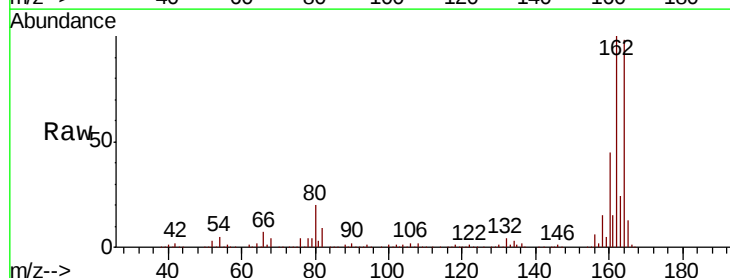
Ion Ratio Lower Upper

165 100

63 1.0 31.8 47.6#

89 1.4 54.2 81.2#

182 0.0 2.1 3.1#

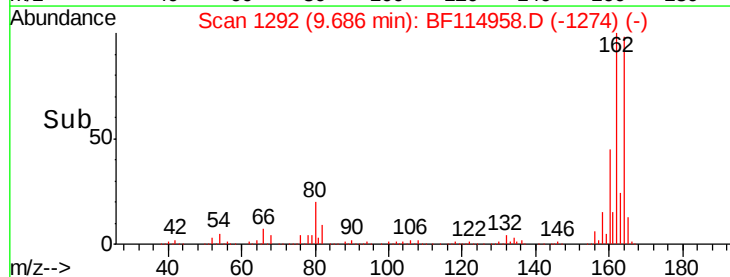
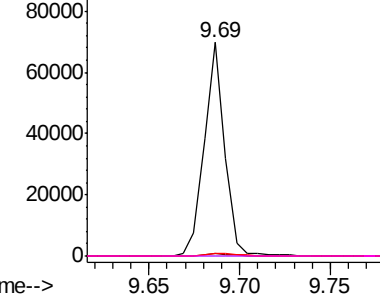


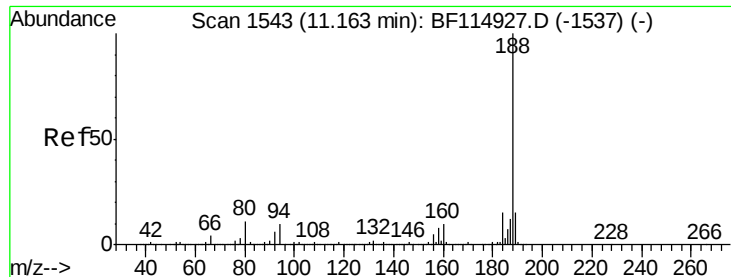
Abundance Ion 165.00 (164.70 to 165.70): E

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

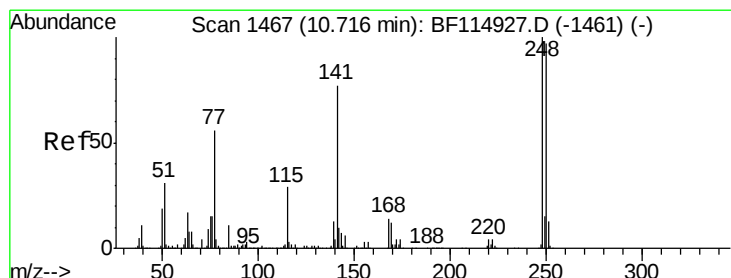
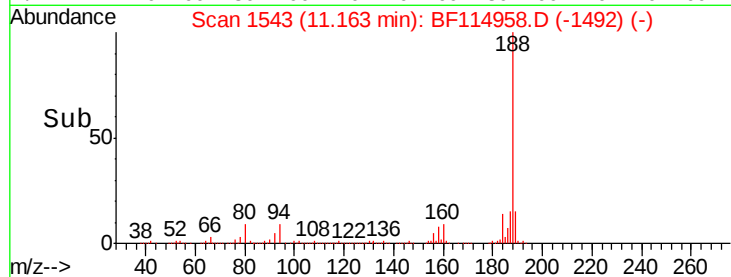
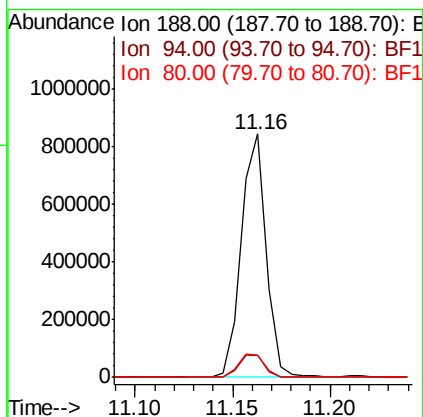
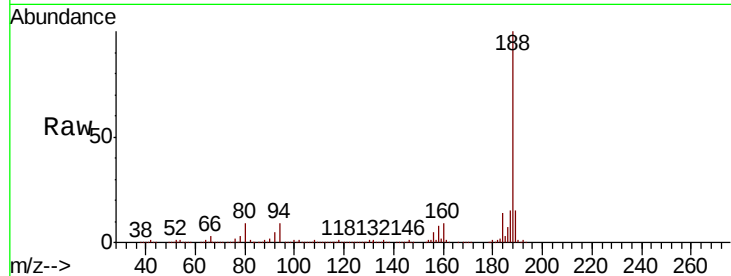




#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.16 min Scan# 1543  
Delta R.T. 0.00 min  
Lab File: BF114958.D  
Acq: 11 Jun 2019 22:01

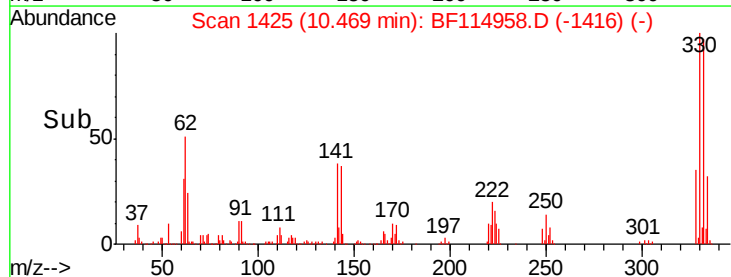
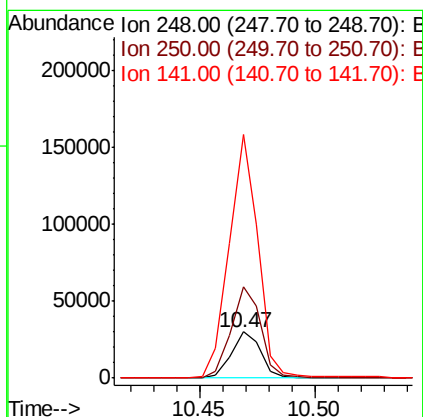
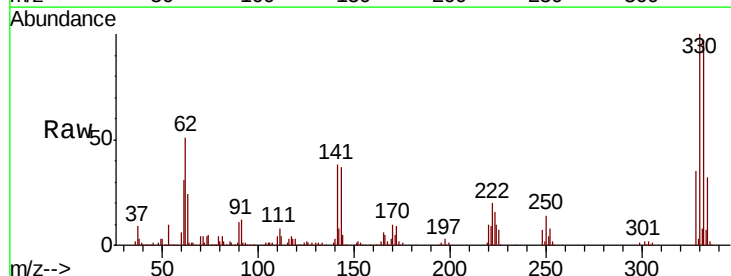
Instrument :  
BNA\_F  
ClientSampled :  
B-02-COMP

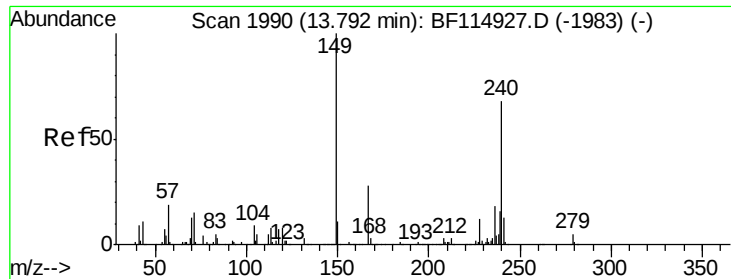
Tot Ion:188 Resp: 747224  
Ion Ratio Lower Upper  
188 100  
94 8.9 8.1 12.1  
80 9.3 8.6 12.8



#67  
4-Bromophenyl-phenylether  
Concen: 3.287 ng  
RT: 10.47 min Scan# 1425  
Delta R.T. -0.25 min  
Lab File: BF114958.D  
Acq: 11 Jun 2019 22:01

Tgt Ion:248 Resp: 26604  
Ion Ratio Lower Upper  
248 100  
250 199.2 77.4 116.0#  
141 530.5 61.8 92.6#

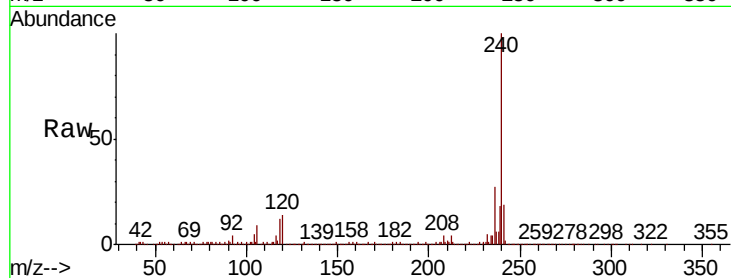




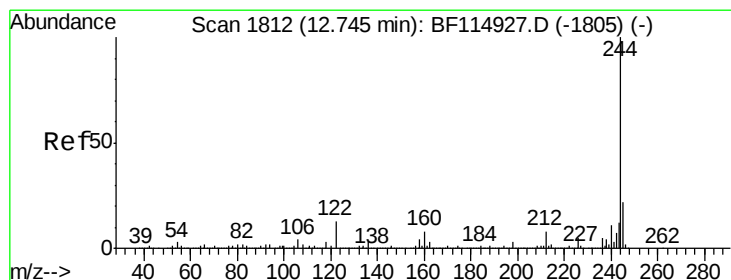
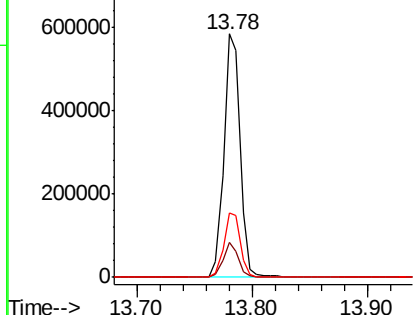
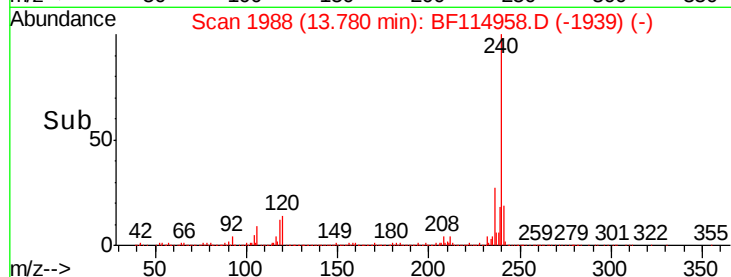
#76  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 13.78 min Scan# 1988  
 Delta R.T. -0.01 min  
 Lab File: BF114958.D  
 Acq: 11 Jun 2019 22:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-02-COMP

Tot Ion:240 Resp: 568671  
 Ion Ratio Lower Upper  
 240 100  
 120 14.2 9.2 13.8#  
 236 26.7 21.7 32.5

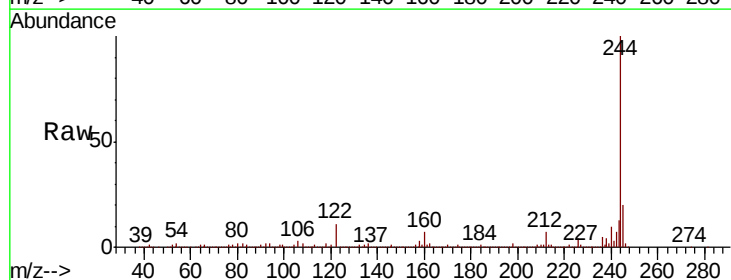


Abundance Ion 240.00 (239.70 to 240.70): E  
 Ion 120.00 (119.70 to 120.70): E  
 Ion 236.00 (235.70 to 236.70): E

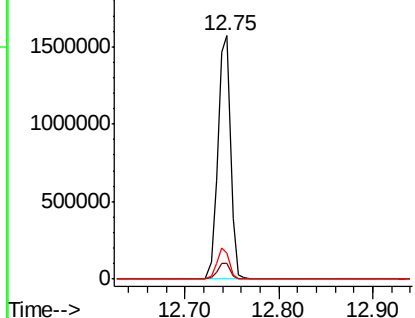
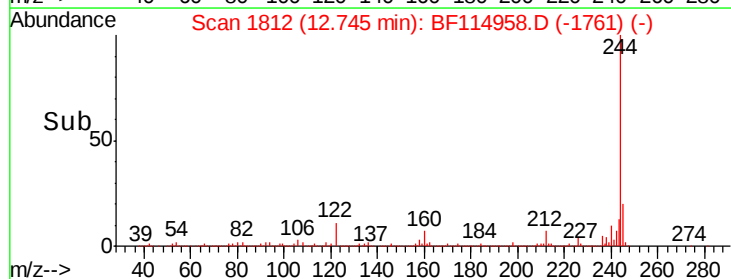


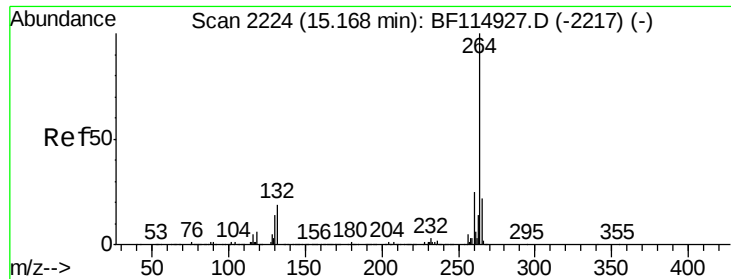
#79  
 Terphenyl-d14  
 Concen: 52.528 ng  
 RT: 12.75 min Scan# 1812  
 Delta R.T. 0.00 min  
 Lab File: BF114958.D  
 Acq: 11 Jun 2019 22:01

Tgt Ion:244 Resp: 1502039  
 Ion Ratio Lower Upper  
 244 100  
 212 6.7 6.2 9.2  
 122 10.6 10.2 15.4



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  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.16 min Scan# 2223  
 Delta R.T. -0.01 min  
 Lab File: BF114958.D  
 Acq: 11 Jun 2019 22:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-02-COMP

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 25.2  | 19.7  | 29.5  |
| 265     | 22.6  | 17.5  | 26.3  |

