

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\  
 Data File : BF116562.D  
 Acq On : 26 Aug 2019 7:43  
 Operator : HP/JU  
 Sample : K4509-08  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Aug 26 08:43:18 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 23 13:38:31 2019  
 Response via : Initial Calibration

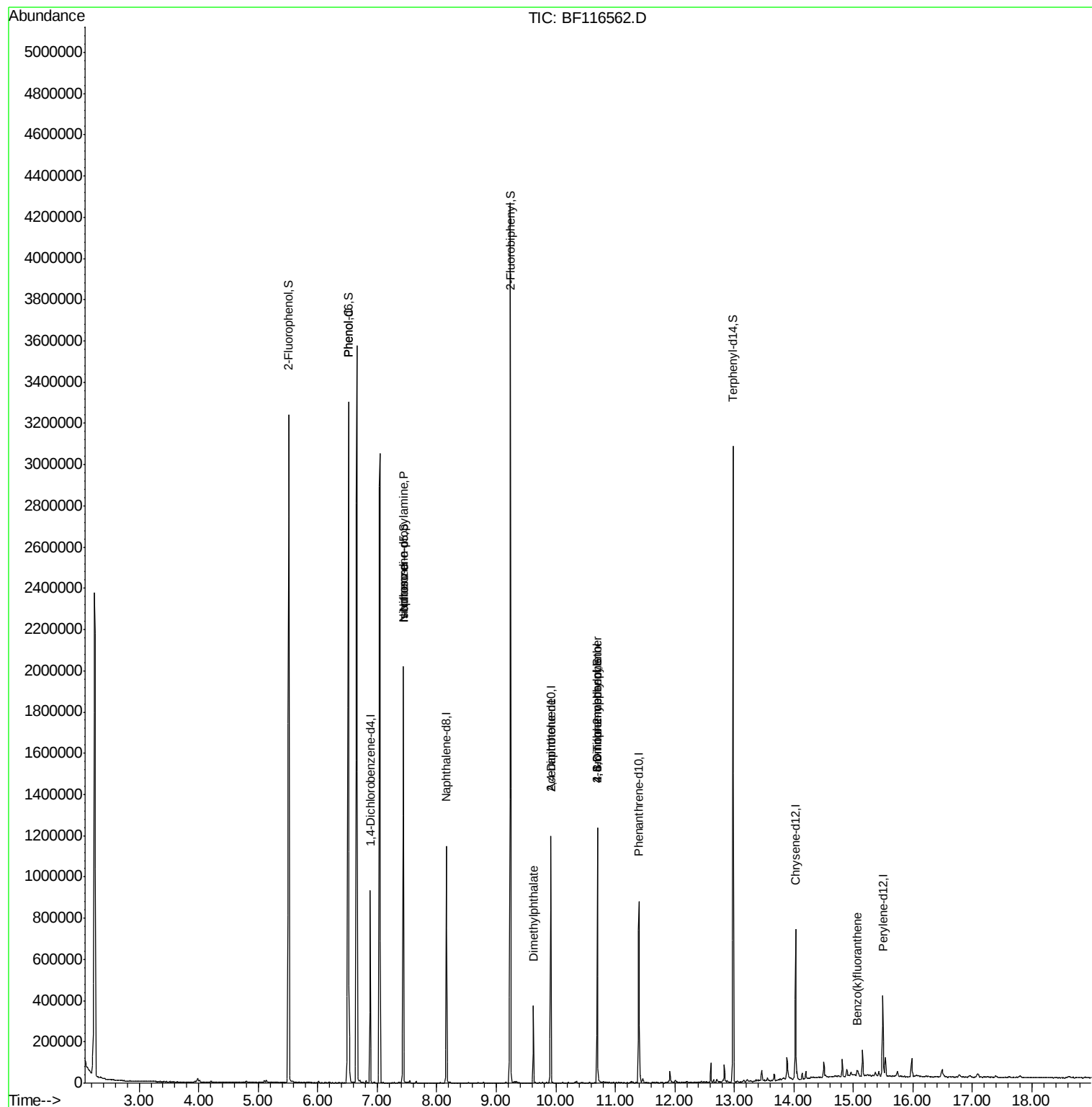
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.88  | 152  | 138126   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.16  | 136  | 499452   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.92  | 164  | 221502   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.40 | 188  | 303629   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.03 | 240  | 211953   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.49 | 264  | 178777   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.52  | 112  | 990974   | 104.83 | ng    | 0.02     |
| 7) Phenol-d6                   | 6.52  | 99   | 1290434  | 111.33 | ng    | 0.01     |
| 23) Nitrobenzene-d5            | 7.44  | 82   | 769713   | 84.31  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.70 | 330  | 132074   | 69.44  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.24  | 172  | 1292899  | 94.00  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.98 | 244  | 955439   | 84.20  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 10) Phenol                     | 6.52  | 94   | 27065    | 2.150  | ng    | # 60     |
| 19) n-Nitroso-di-n-propylamine | 7.44  | 70   | 102894   | 13.009 | ng    | # 79     |
| 25) Isophorone                 | 7.44  | 82   | 767304   | 42.651 | ng    | # 67     |
| 50) Dimethylphthalate          | 9.62  | 163  | 136598   | 8.839  | ng    | # 99     |
| 57) 2,4-Dinitrotoluene         | 9.92  | 165  | 28394    | 7.054  | ng    | # 20     |
| 65) 4,6-Dinitro-2-methylphenol | 10.70 | 198  | 261      | 7.184  | ng    | # 1      |
| 67) 4-Bromophenyl-phenylether  | 10.70 | 248  | 8046     | 2.528  | ng    | # 1      |
| 89) Benzo(k)fluoranthene       | 15.06 | 252  | 21134    | 2.112  | ng    | # 96     |

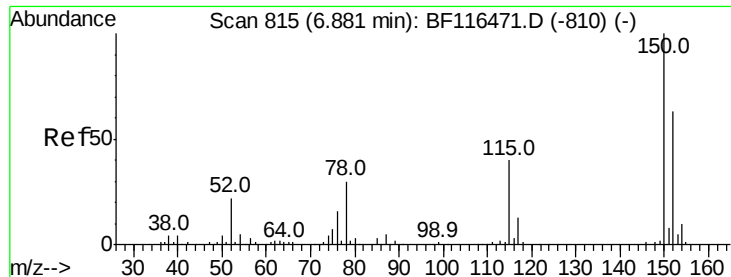
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 37 Sample Multiplier: 1

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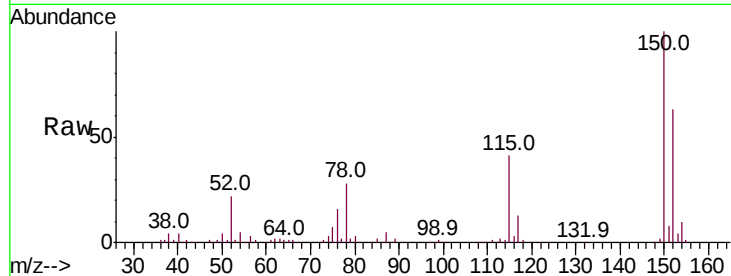


#1

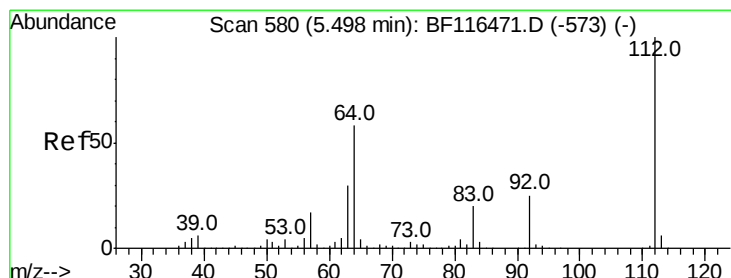
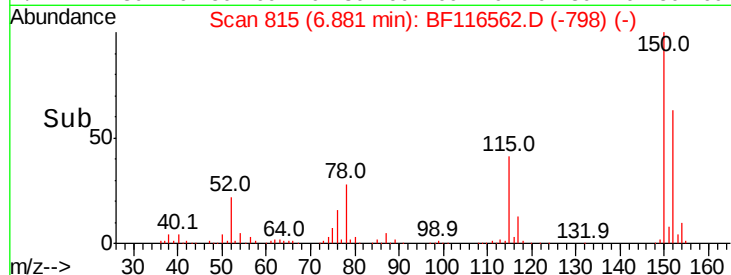
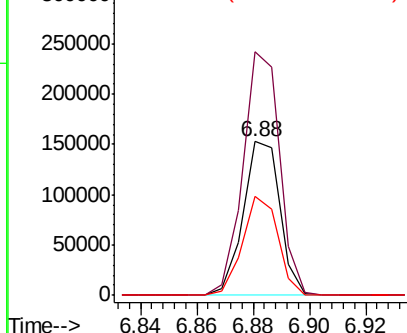
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.88 min Scan# 815  
Delta R.T. -0.00 min  
Lab File: BF116562.D  
Acq: 26 Aug 2019 7:43

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 138126  
Ion Ratio Lower Upper  
152 100  
150 158.4 126.7 190.1  
115 64.8 50.9 76.3



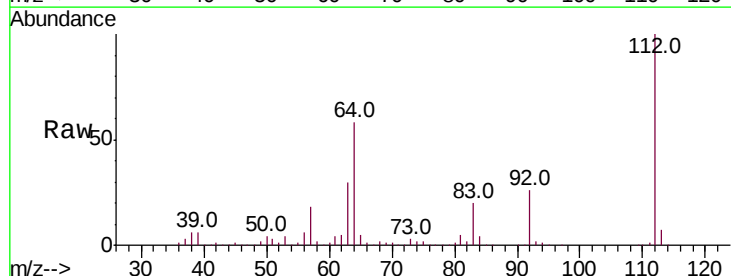
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



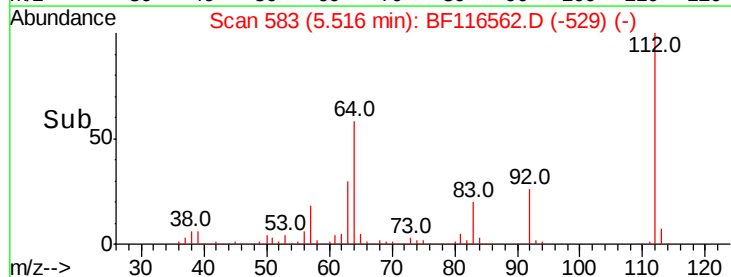
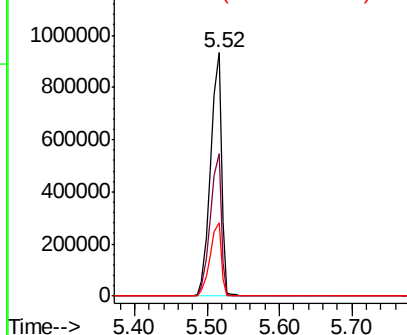
#5

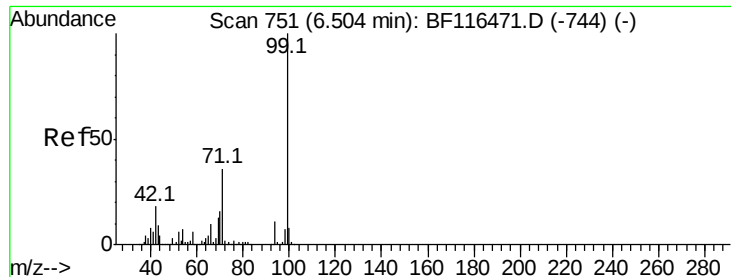
2-Fluorophenol  
Concen: 104.829 ng  
RT: 5.52 min Scan# 583  
Delta R.T. 0.02 min  
Lab File: BF116562.D  
Acq: 26 Aug 2019 7:43

Tgt Ion:112 Resp: 990974  
Ion Ratio Lower Upper  
112 100  
64 58.3 46.3 69.5  
63 30.4 24.2 36.4



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: 111.330 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF116562.D

Acq: 26 Aug 2019 7:43

Instrument :

BNA\_F

ClientSampleId :

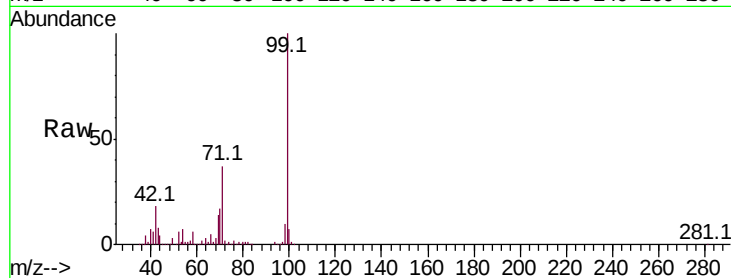
Tot Ion: 99 Resp: 1290434

Ion Ratio Lower Upper

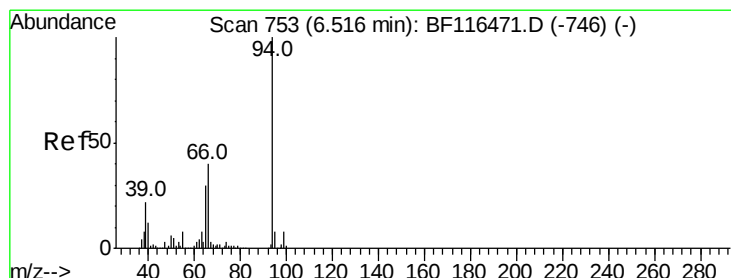
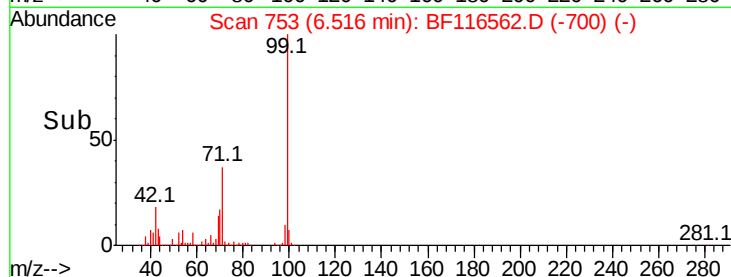
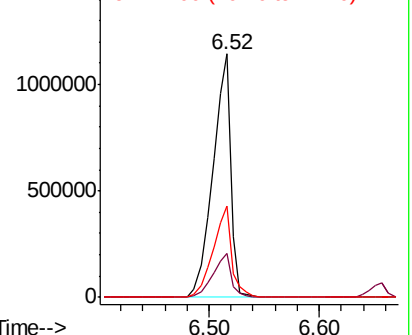
99 100

42 18.0 14.6 21.8

71 37.4 28.5 42.7



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: 2.150 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF116562.D

Acq: 26 Aug 2019 7:43

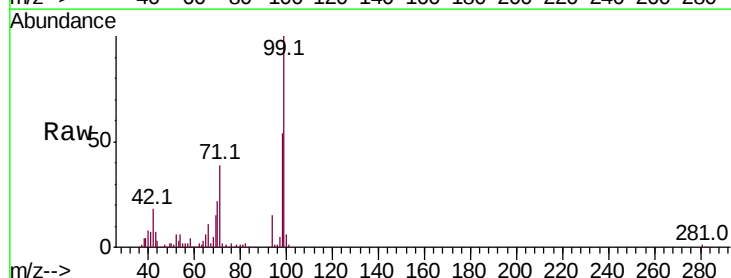
Tgt Ion: 94 Resp: 27065

Ion Ratio Lower Upper

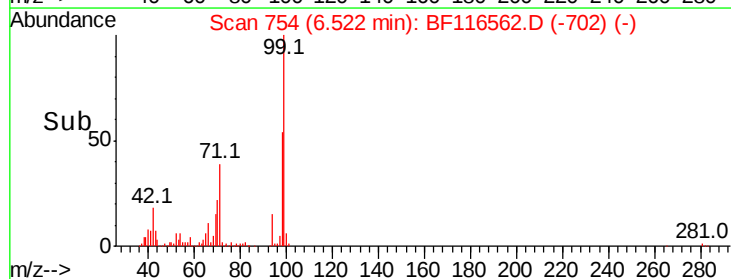
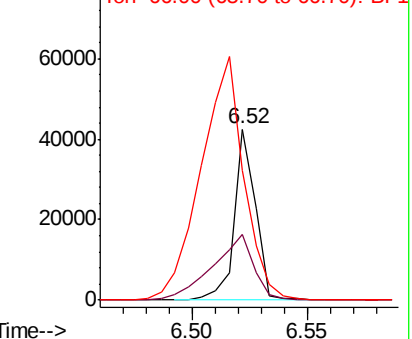
94 100

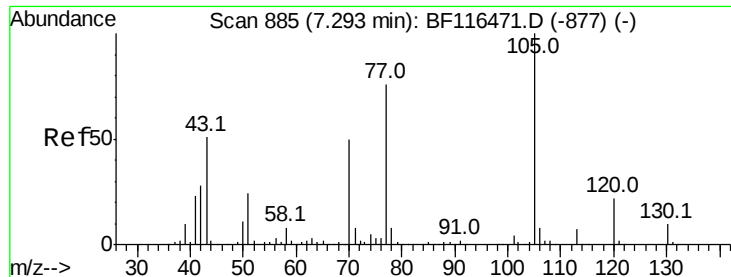
65 38.4 10.0 50.0

66 76.0 19.8 59.8#



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

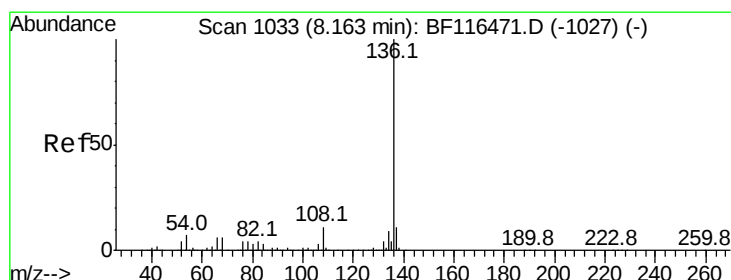
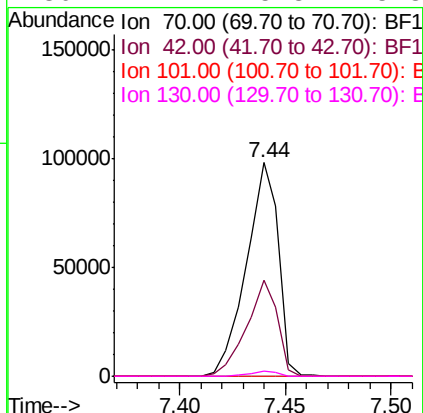
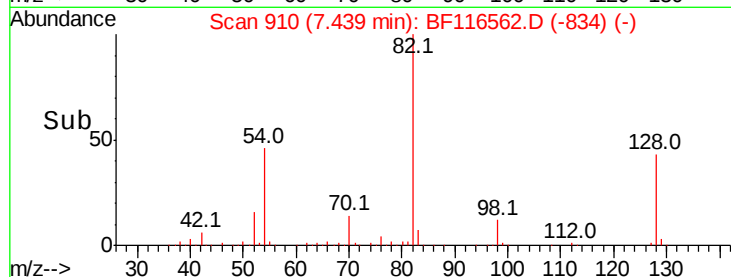
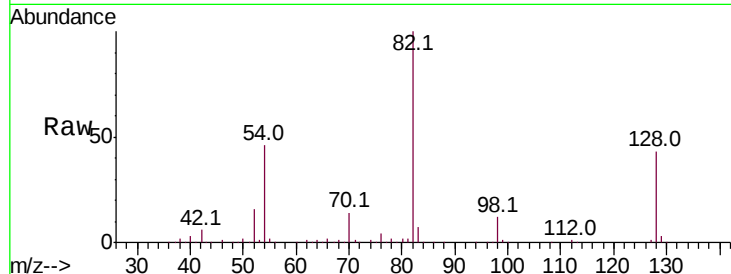




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.009 ng  
RT: 7.44 min Scan# 910  
Delta R.T. 0.15 min  
Lab File: BF116562.D  
Acq: 26 Aug 2019 7:43

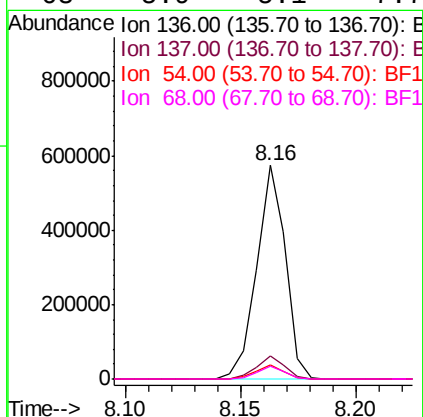
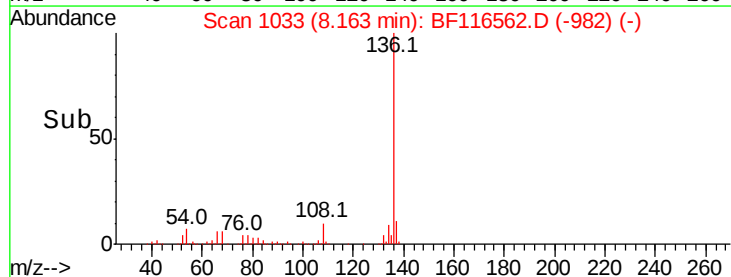
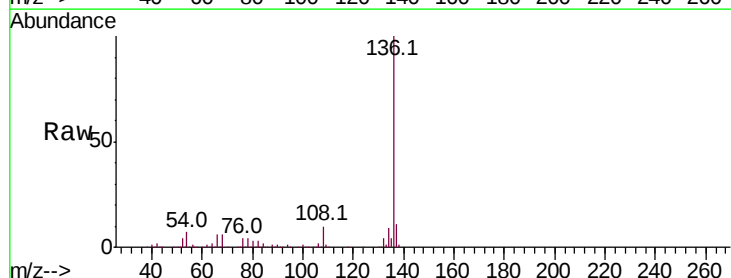
Instrument :  
BNA\_F  
ClientSampleId :

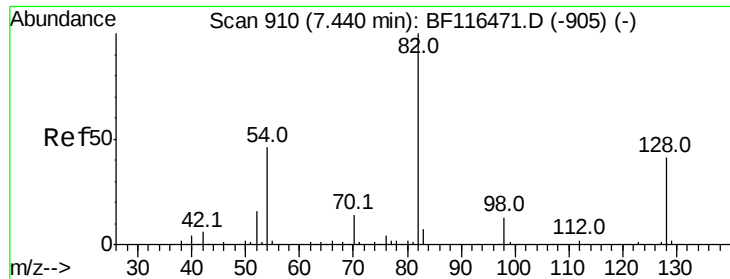
Tot Ion: 70 Resp: 102894  
Ion Ratio Lower Upper  
70 100  
42 44.9 44.4 66.6  
101 0.0 7.1 10.7#  
130 2.2 15.8 23.8#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.16 min Scan# 1033  
Delta R.T. -0.00 min  
Lab File: BF116562.D  
Acq: 26 Aug 2019 7:43

Tgt Ion: 136 Resp: 499452  
Ion Ratio Lower Upper  
136 100  
137 10.7 9.0 13.4  
54 6.8 5.8 8.6  
68 5.9 5.1 7.7

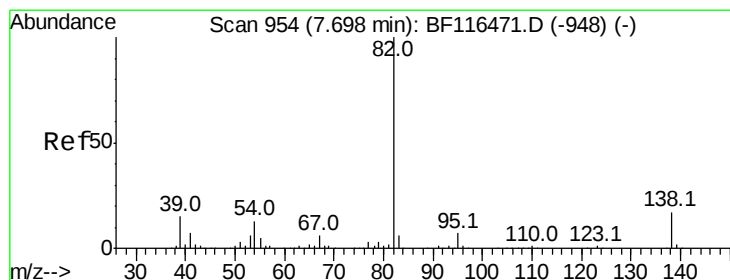
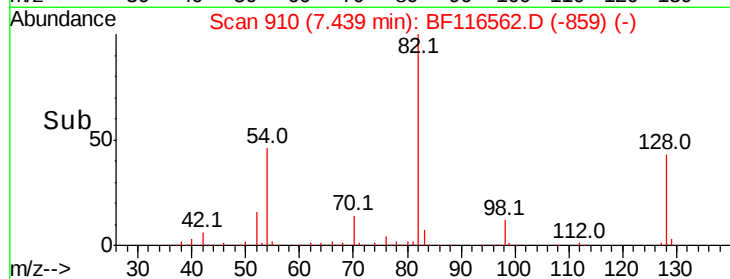
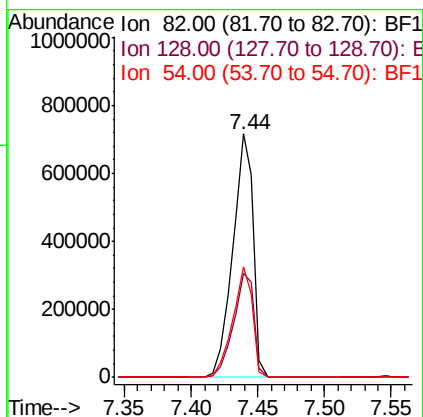
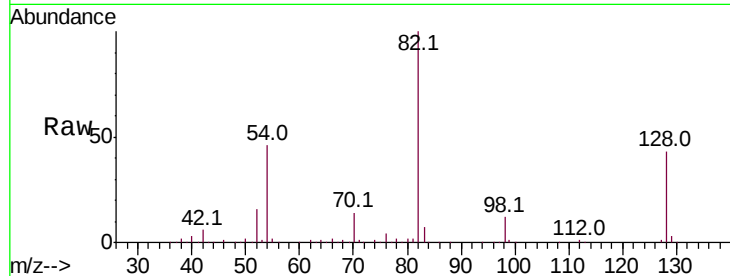




#23  
 Nitrobenzene-d5  
 Concen: 84.314 ng  
 RT: 7.44 min Scan# 910  
 Delta R.T. -0.00 min  
 Lab File: BF116562.D  
 Acq: 26 Aug 2019 7:43

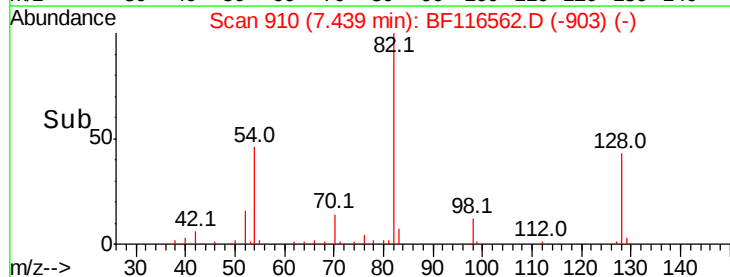
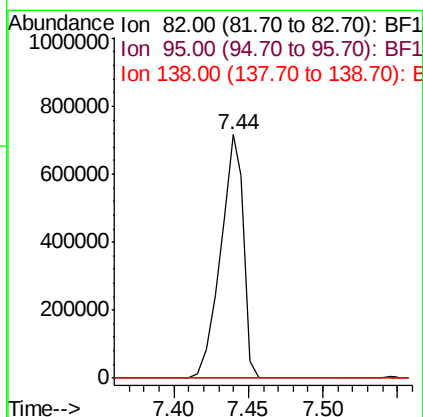
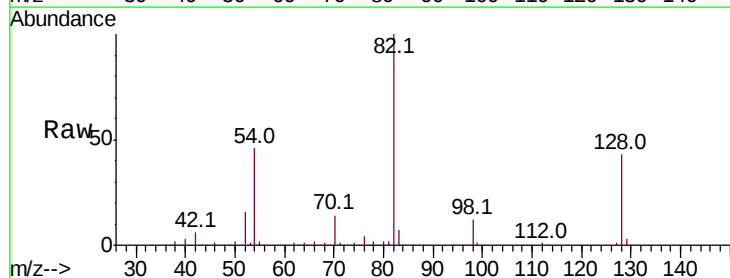
Instrument :  
 BNA\_F  
 ClientSampled :

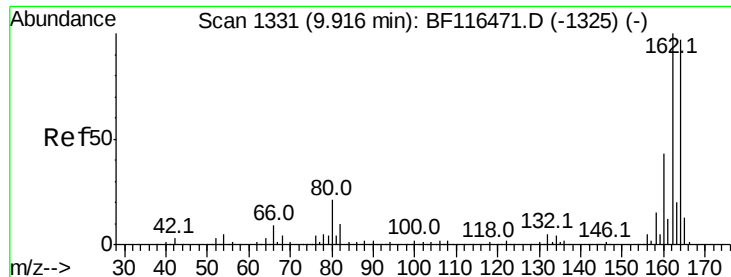
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.7  | 32.2  | 48.4  |
| 54      | 45.6  | 36.5  | 54.7  |



#25  
 Isophorone  
 Concen: 42.651 ng  
 RT: 7.44 min Scan# 910  
 Delta R.T. -0.26 min  
 Lab File: BF116562.D  
 Acq: 26 Aug 2019 7:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 0.0   | 5.3   | 7.9#  |
| 138     | 0.0   | 13.3  | 19.9# |

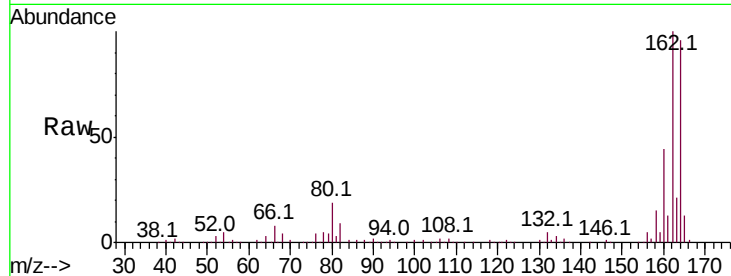




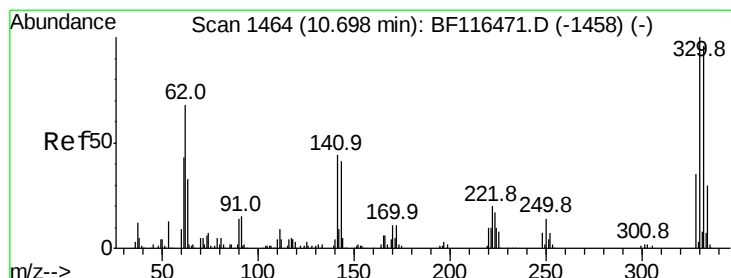
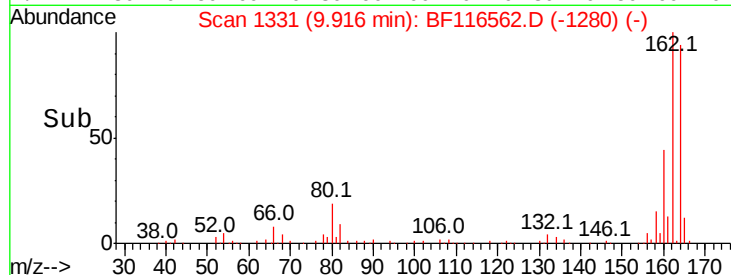
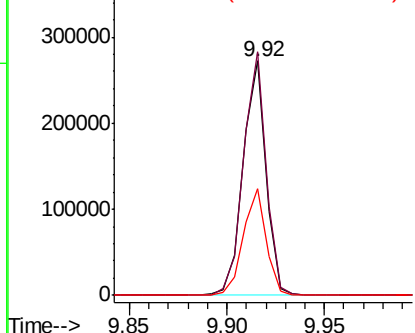
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.92 min Scan# 1331  
Delta R.T. -0.00 min  
Lab File: BF116562.D  
Acq: 26 Aug 2019 7:43

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 221502  
Ion Ratio Lower Upper  
164 100  
162 103.9 82.6 123.8  
160 45.4 35.8 53.8

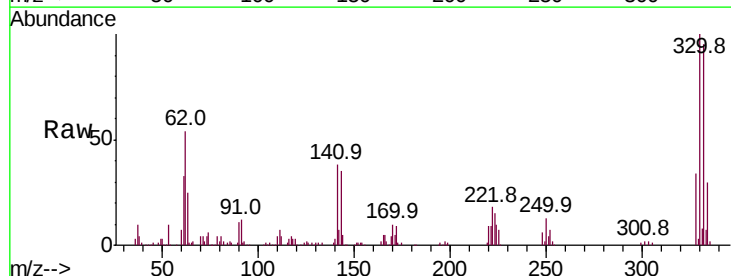


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

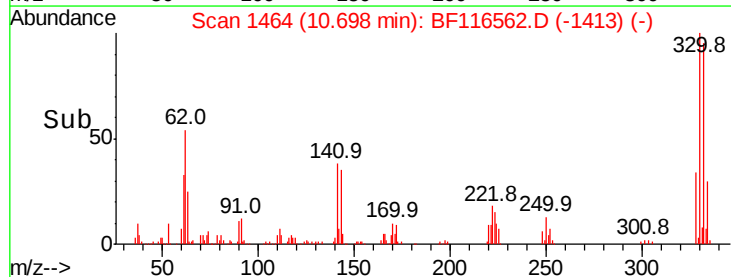
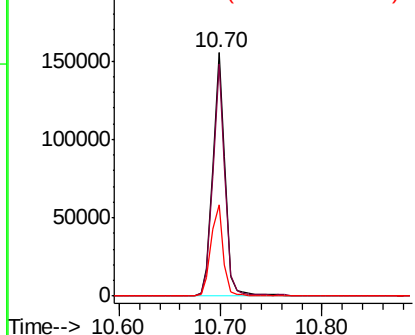


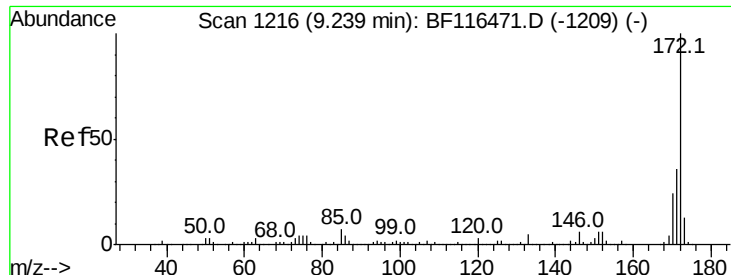
#42  
2,4,6-Tribromophenol  
Concen: 69.440 ng  
RT: 10.70 min Scan# 1464  
Delta R.T. -0.00 min  
Lab File: BF116562.D  
Acq: 26 Aug 2019 7:43

Tgt Ion:330 Resp: 132074  
Ion Ratio Lower Upper  
330 100  
332 93.6 77.2 115.8  
141 37.6 33.3 49.9



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

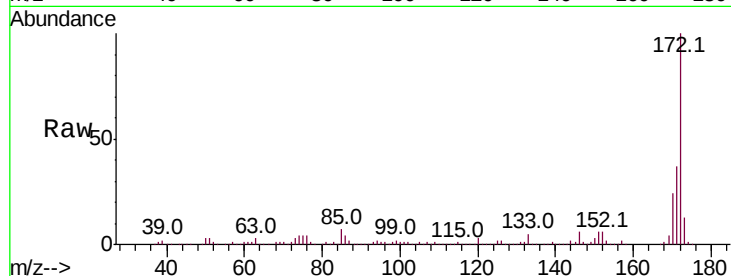




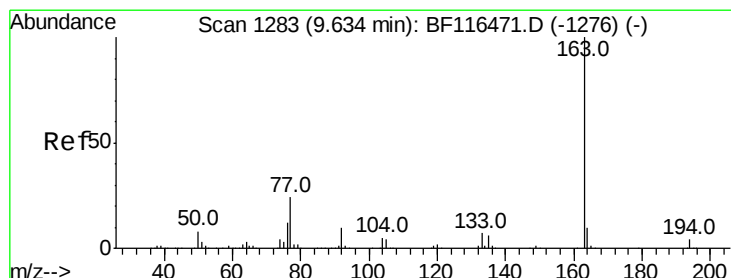
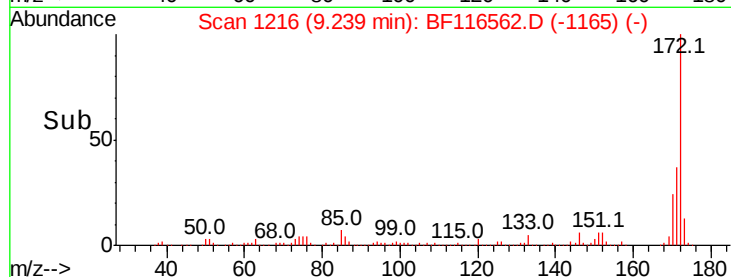
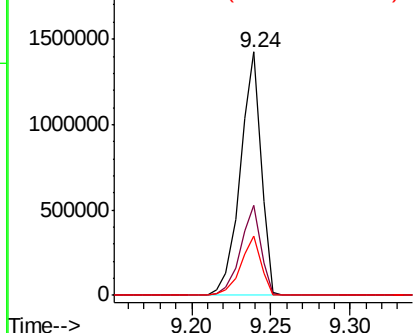
#45  
2-Fluorobiphenyl  
Concen: 93.999 ng  
RT: 9.24 min Scan# 1216  
Delta R.T. -0.00 min  
Lab File: BF116562.D  
Acq: 26 Aug 2019 7:43

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 1292899  
Ion Ratio Lower Upper  
172 100  
171 36.8 28.9 43.3  
170 24.4 19.4 29.0

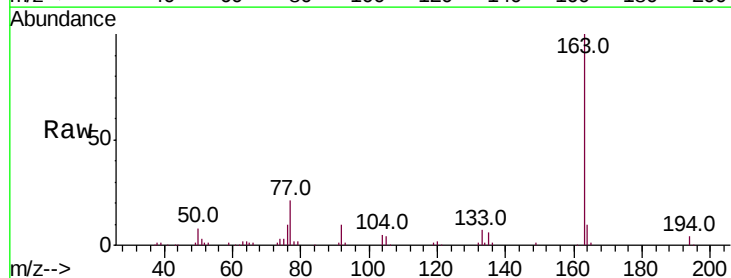


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

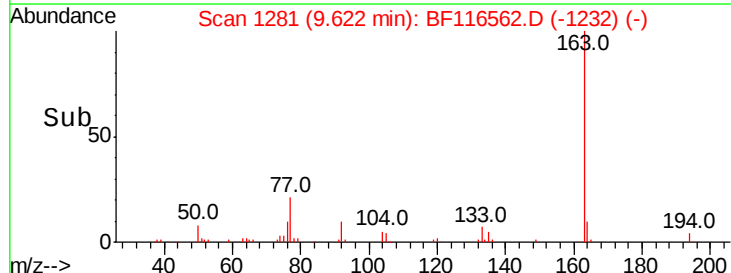
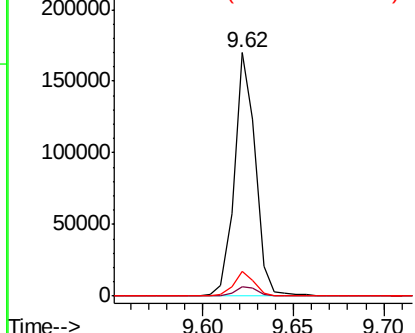


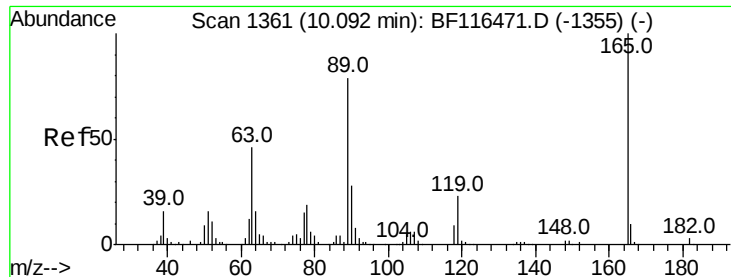
#50  
Dimethylphthalate  
Concen: 8.839 ng  
RT: 9.62 min Scan# 1281  
Delta R.T. -0.01 min  
Lab File: BF116562.D  
Acq: 26 Aug 2019 7:43

Tgt Ion:163 Resp: 136598  
Ion Ratio Lower Upper  
163 100  
194 4.0 2.9 4.3  
164 10.1 8.2 12.2



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

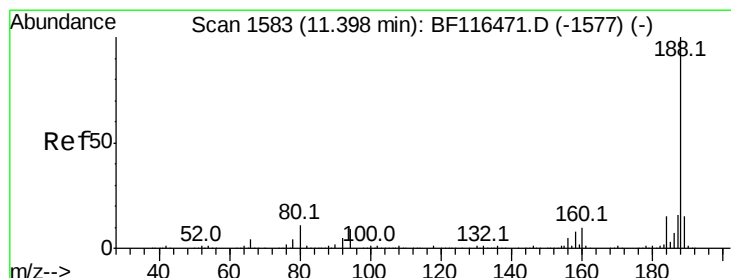
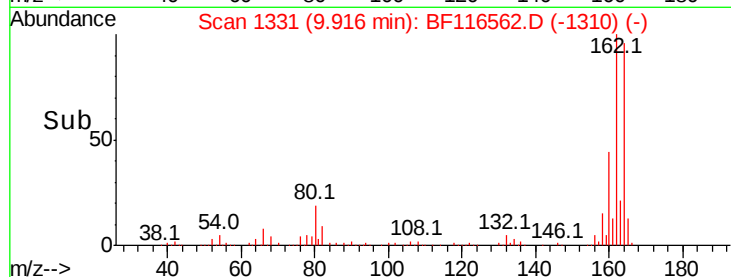
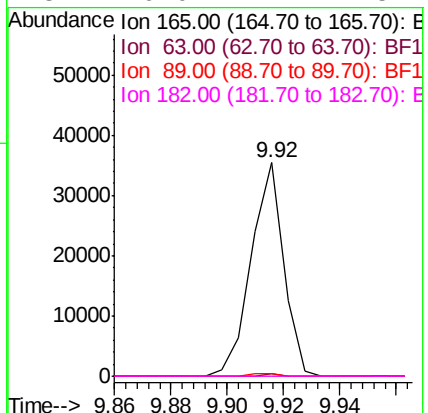
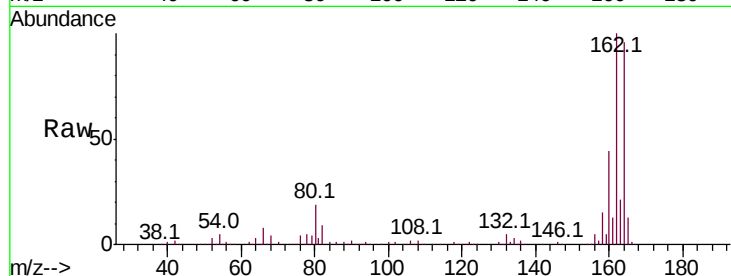




#57  
 2,4-Dinitrotoluene  
 Concen: 7.054 ng  
 RT: 9.92 min Scan# 1331  
 Delta R.T. -0.18 min  
 Lab File: BF116562.D  
 Acq: 26 Aug 2019 7:43

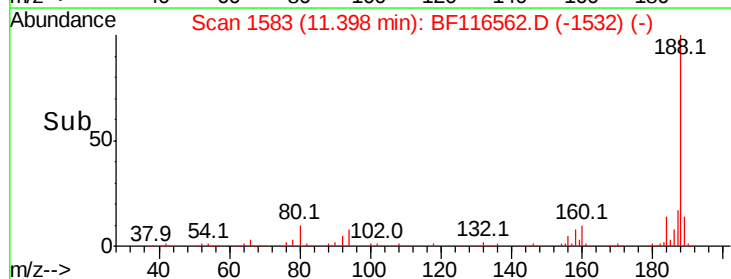
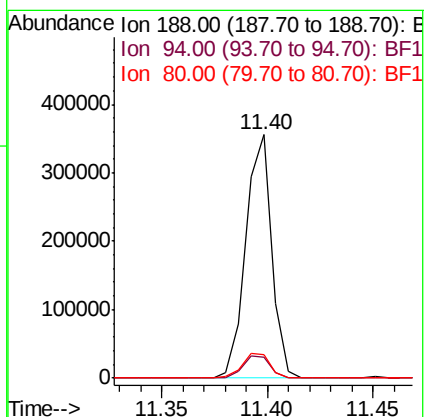
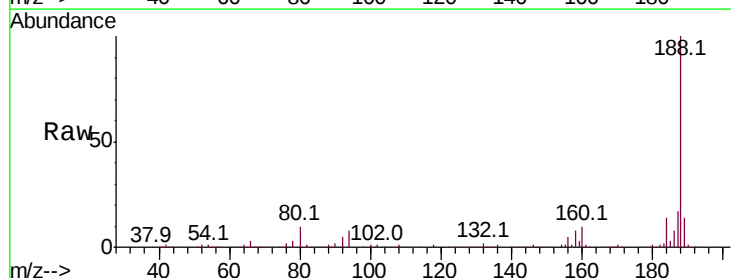
Instrument :  
 BNA\_F  
 ClientSampled :

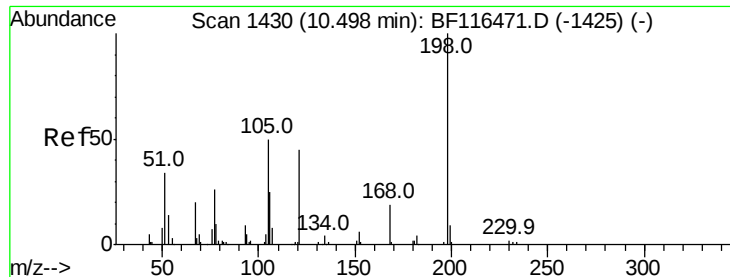
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.0   | 36.9  | 55.3# |
| 89      | 1.3   | 63.4  | 95.0# |
| 182     | 0.0   | 2.1   | 3.1#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.40 min Scan# 1583  
 Delta R.T. -0.00 min  
 Lab File: BF116562.D  
 Acq: 26 Aug 2019 7:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.4   | 7.4   | 11.2  |
| 80      | 9.6   | 8.6   | 12.8  |

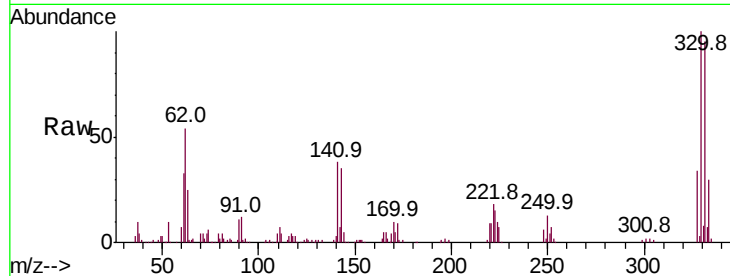




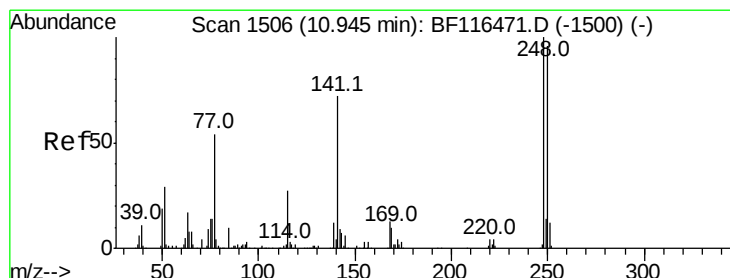
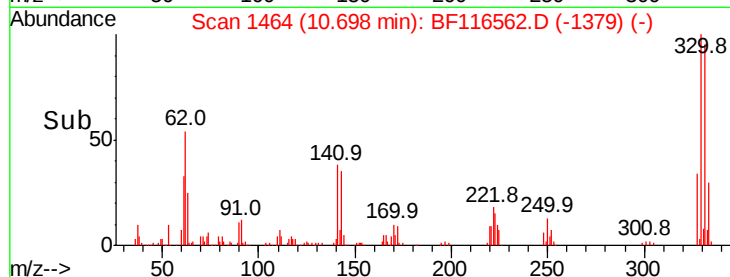
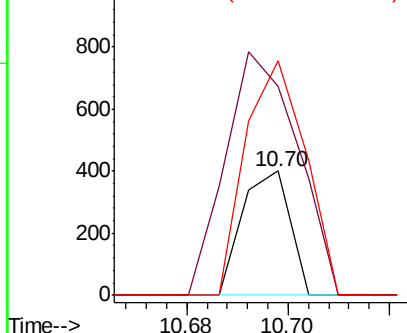
#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 7.184 ng  
 RT: 10.70 min Scan# 1464  
 Delta R.T. 0.20 min  
 Lab File: BF116562.D  
 Acq: 26 Aug 2019 7:43

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:198 Resp: 261  
 Ion Ratio Lower Upper  
 198 100  
 51 168.0 30.4 70.4#  
 105 189.0 32.8 72.8#

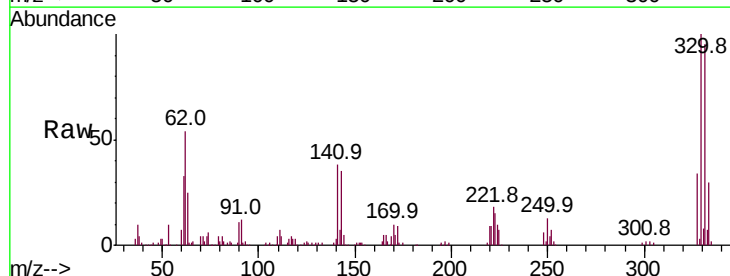


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF1  
 Ion 105.00 (104.70 to 105.70): E

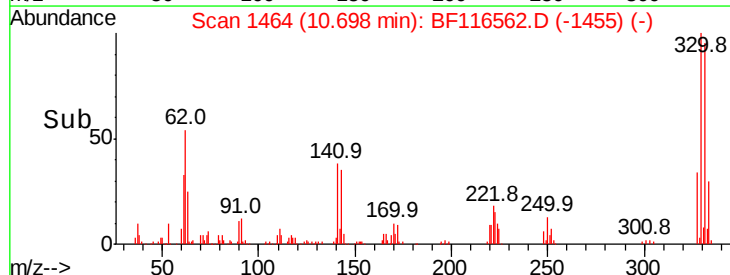
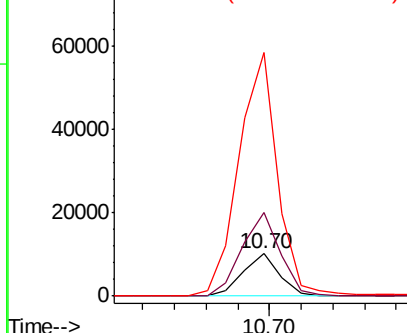


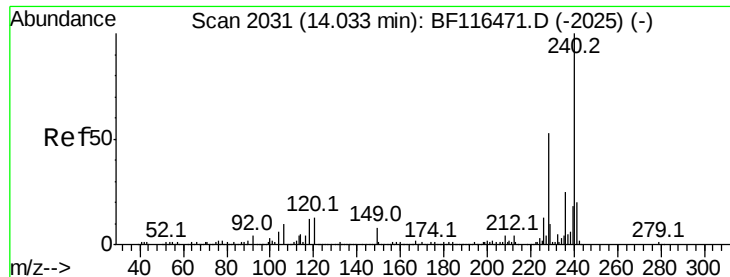
#67  
 4-Bromophenyl-phenylether  
 Concen: 2.528 ng  
 RT: 10.70 min Scan# 1464  
 Delta R.T. -0.25 min  
 Lab File: BF116562.D  
 Acq: 26 Aug 2019 7:43

Tgt Ion:248 Resp: 8046  
 Ion Ratio Lower Upper  
 248 100  
 250 197.3 77.0 115.6#  
 141 577.8 57.4 86.0#



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

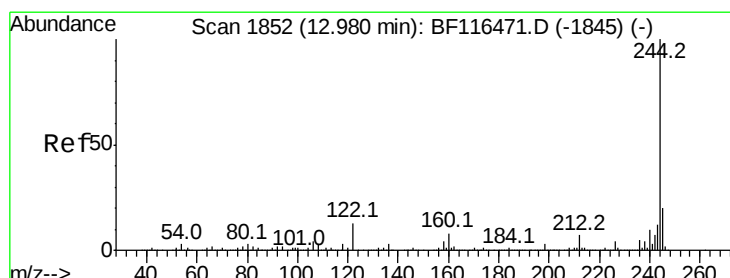
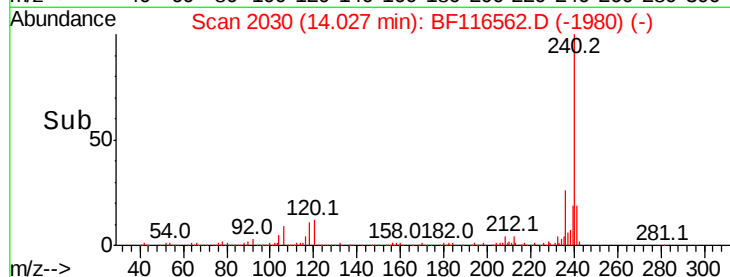
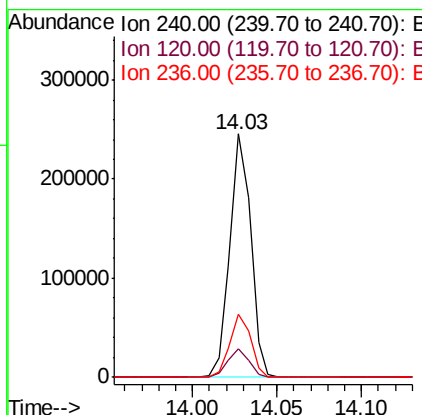
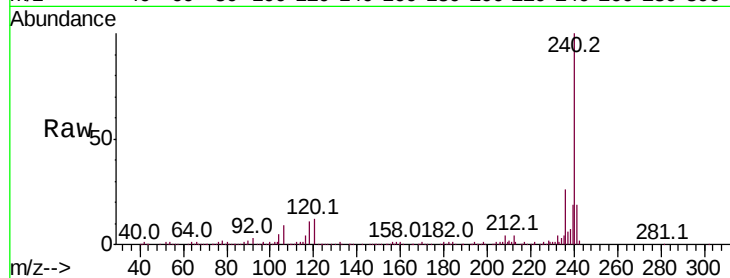




#76  
 Chrvsene-d12  
 Concen: 20.000 ng  
 RT: 14.03 min Scan# 2030  
 Delta R.T. -0.01 min  
 Lab File: BF116562.D  
 Acq: 26 Aug 2019 7:43

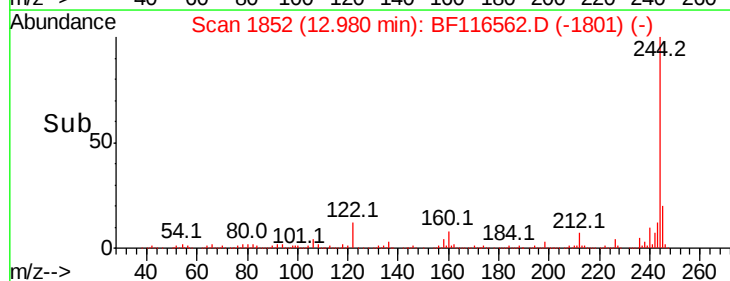
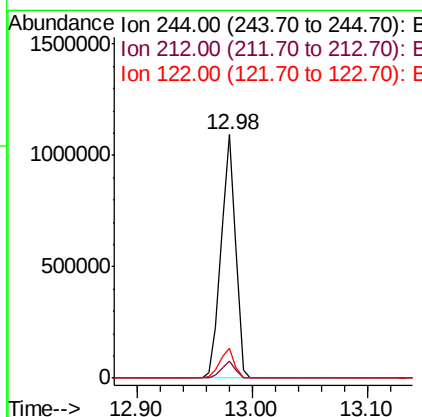
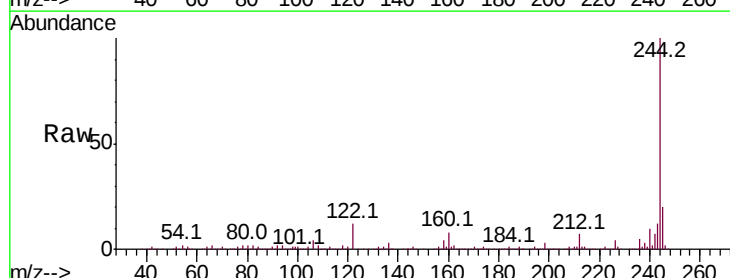
Instrument :  
 BNA\_F  
 ClientSampleId :

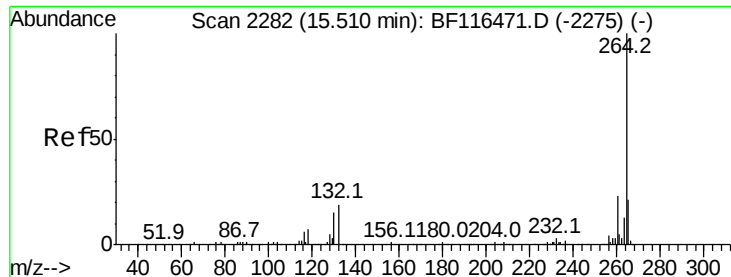
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 11.9  | 10.5  | 15.7  |
| 236     | 25.8  | 20.2  | 30.2  |



#79  
 Terphenyl-d14  
 Concen: 84.201 ng  
 RT: 12.98 min Scan# 1852  
 Delta R.T. -0.00 min  
 Lab File: BF116562.D  
 Acq: 26 Aug 2019 7:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.2   | 5.7   | 8.5   |
| 122     | 12.4  | 10.2  | 15.4  |

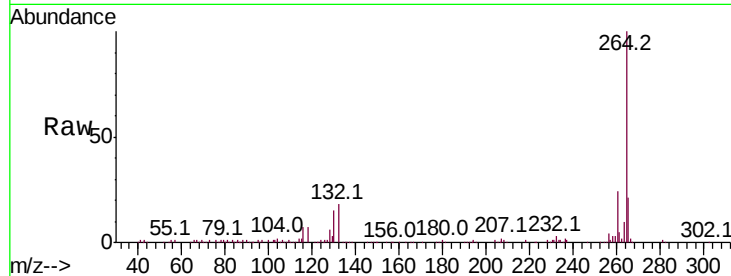




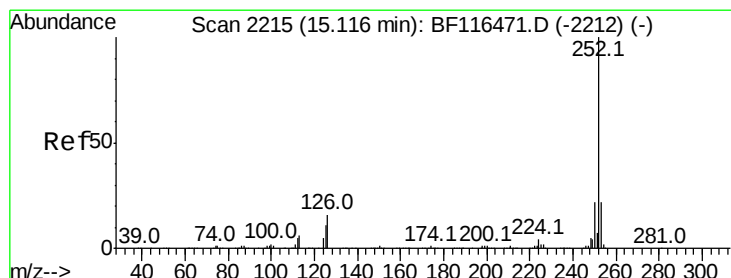
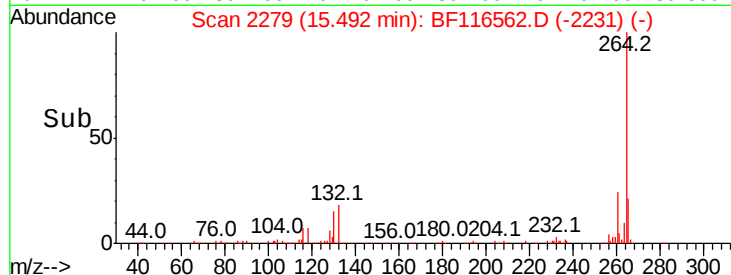
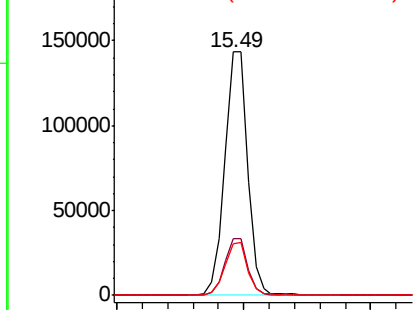
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.49 min Scan# 2279  
Delta R.T. -0.02 min  
Lab File: BF116562.D  
Acq: 26 Aug 2019 7:43

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:264 Resp: 178777  
Ion Ratio Lower Upper  
264 100  
260 23.5 18.8 28.2  
265 21.2 17.1 25.7

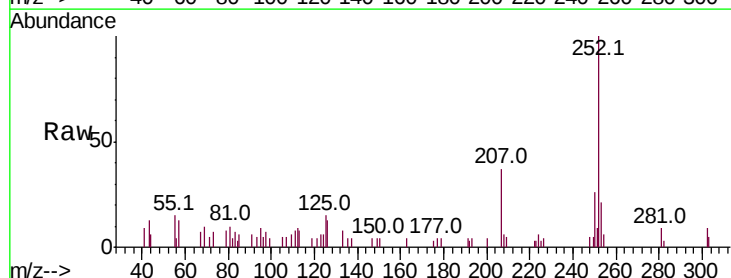


Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E



#89  
Benzo(k)fluoranthene  
Concen: 2.112 ng  
RT: 15.06 min Scan# 2206  
Delta R.T. -0.05 min  
Lab File: BF116562.D  
Acq: 26 Aug 2019 7:43

Tgt Ion:252 Resp: 21134  
Ion Ratio Lower Upper  
252 100  
253 21.5 17.4 26.2  
125 15.1 9.1 13.7#



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

