

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051019\  
 Data File : BF114134.D  
 Acq On : 10 May 2019 21:28  
 Operator : JU/SJ  
 Sample : K2762-09  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P021-SS002-0002-01

Quant Time: May 11 04:02:44 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

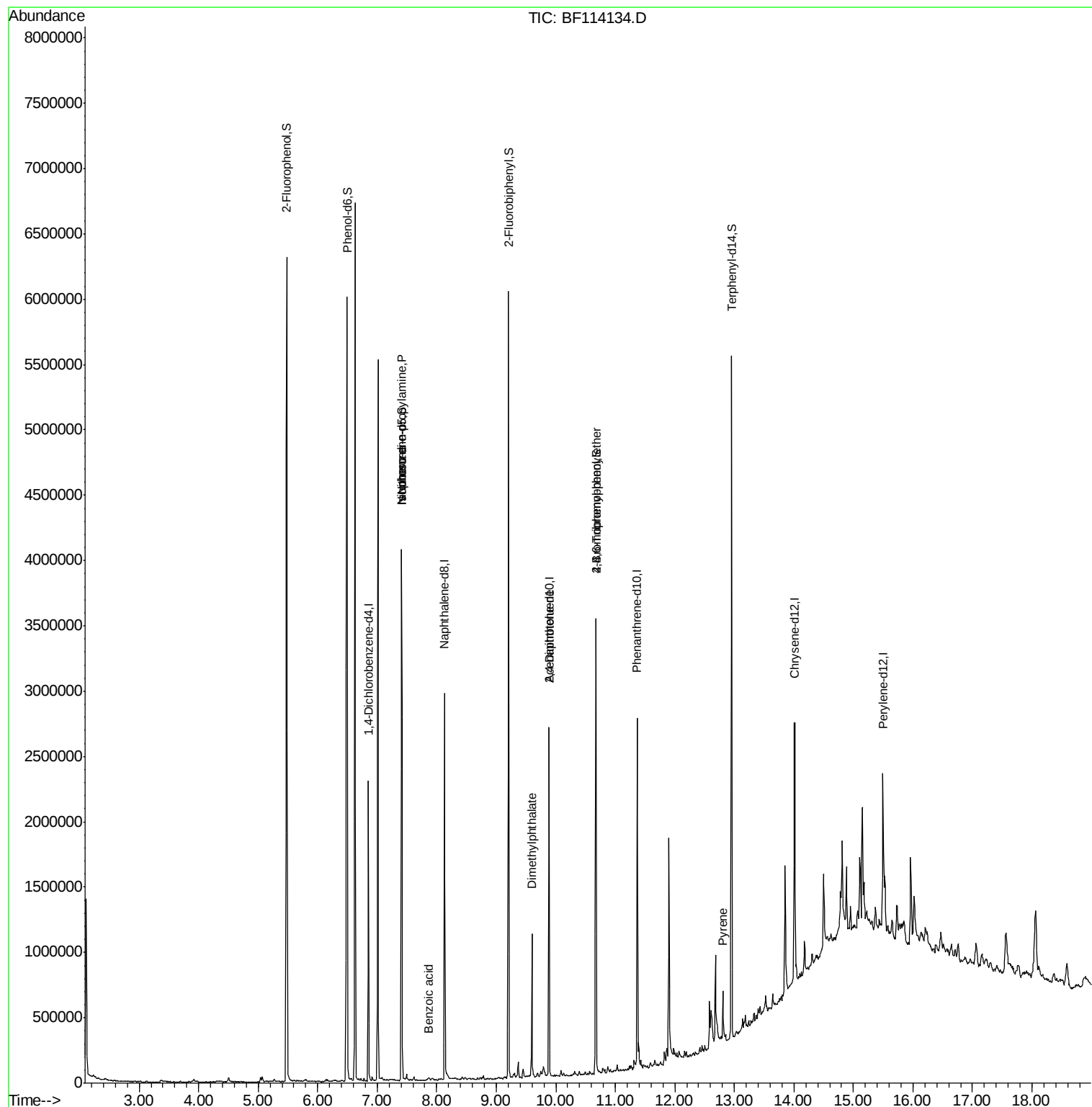
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 335541   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.13  | 136  | 1162454  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.89  | 164  | 479248   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.37 | 188  | 902773   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.02 | 240  | 700123   | 20.00  | ng    | 0.00     |
| 87) Perylene-d12               | 15.50 | 264  | 573838   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.48  | 112  | 1624209  | 77.90  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.49  | 99   | 2045439  | 82.94  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.41  | 82   | 1202228  | 58.04  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.67 | 330  | 404772   | 81.70  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.20  | 172  | 1878040  | 59.28  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.95 | 244  | 1763327  | 51.92  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70   | 158882   | 10.164 | ng    | # 77     |
| 25) Isophorone                 | 7.41  | 82   | 1198377  | 31.195 | ng    | # 64     |
| 32) Benzoic acid               | 7.86  | 122  | 1434     | 7.127  | ng    | 90       |
| 50) Dimethylphthalate          | 9.60  | 163  | 384713   | 10.935 | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 9.89  | 165  | 62444    | 5.896  | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether  | 10.67 | 248  | 27206    | 2.737  | ng    | # 1      |
| 78) Pyrene                     | 12.81 | 202  | 149065   | 2.647  | ng    | 97       |

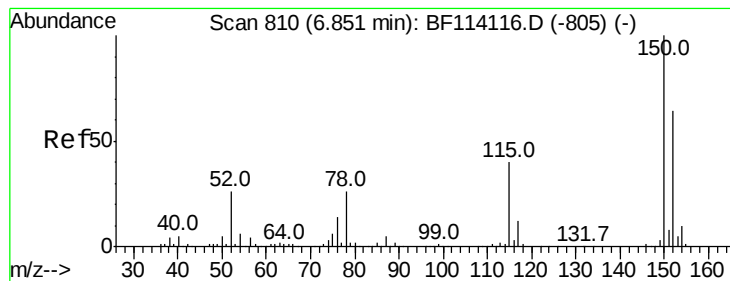
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 12 Sample Multiplier: 1

Instrument :  
BNA\_F  
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P021-SS002-0002-01

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QLast Update : Fri May 10 15:56:46 2019  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF114134.D

Acq: 10 May 2019 21:28

Instrument :

BNA\_F

ClientSampleId :

P021-SS002-0002-01

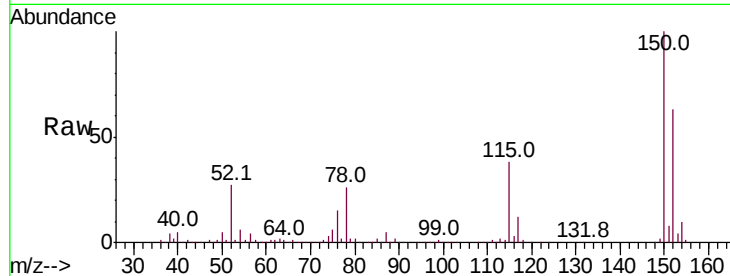
Tot Ion:152 Resp: 335541

Ion Ratio Lower Upper

152 100

150 158.3 124.3 186.5

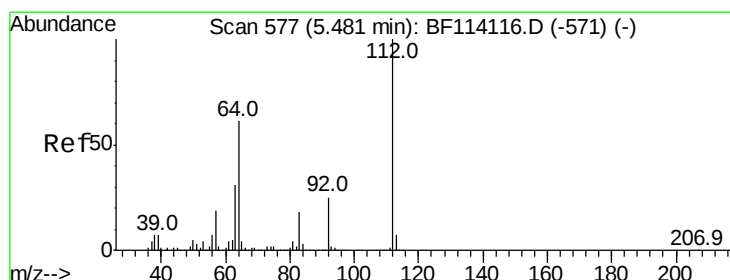
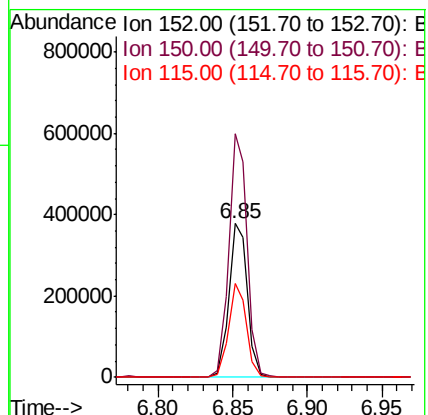
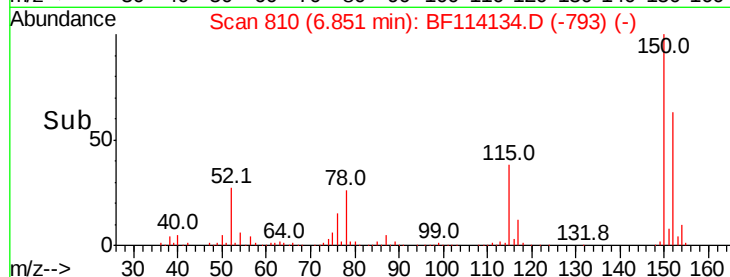
115 60.8 49.1 73.7



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: 77.897 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.00 min

Lab File: BF114134.D

Acq: 10 May 2019 21:28

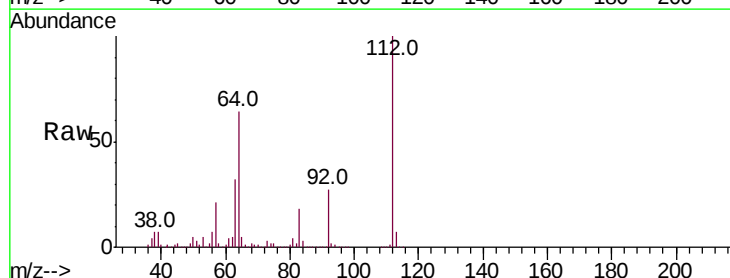
Tgt Ion:112 Resp: 1624209

Ion Ratio Lower Upper

112 100

64 64.1 49.0 73.6

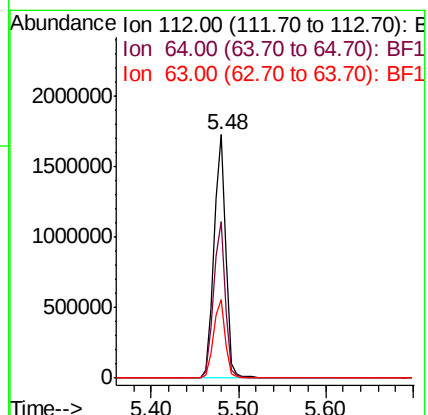
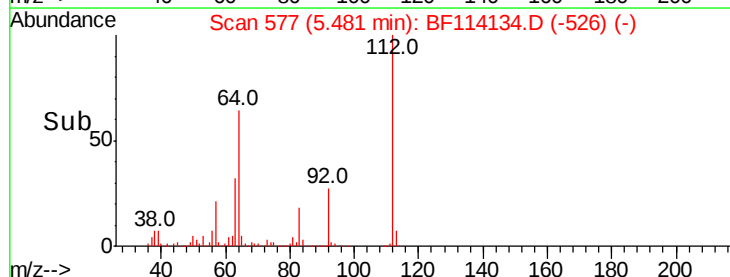
63 32.4 24.6 37.0

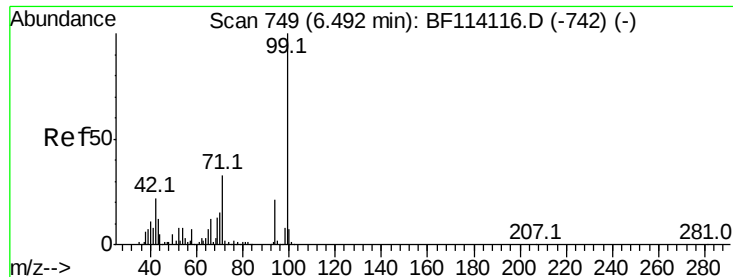


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 82.943 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF114134.D

Acq: 10 May 2019 21:28

Instrument :

BNA\_F

ClientSampleId :

P021-SS002-0002-01

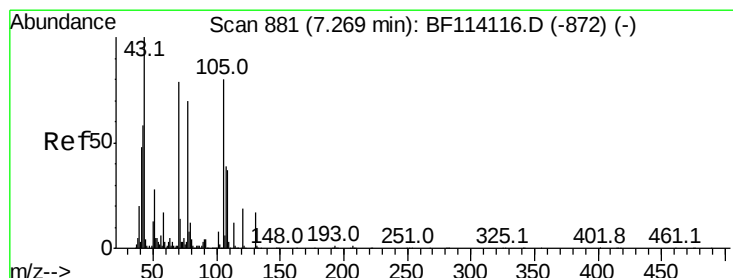
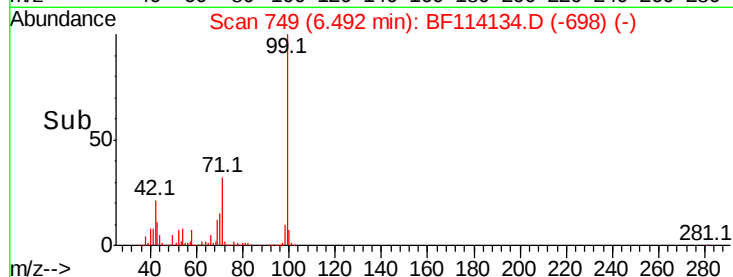
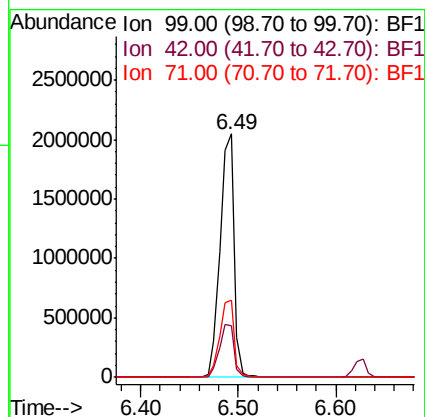
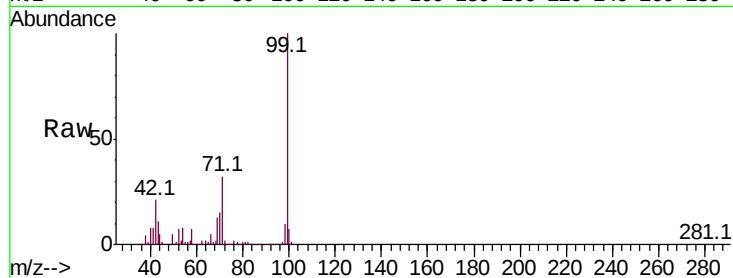
Tot Ion: 99 Resp: 2045439

Ion Ratio Lower Upper

99 100

42 21.3 17.9 26.9

71 31.9 26.2 39.2



#19

n-Nitroso-di-n-propylamine

Concen: 10.164 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114134.D

Acq: 10 May 2019 21:28

Tgt Ion: 70 Resp: 158882

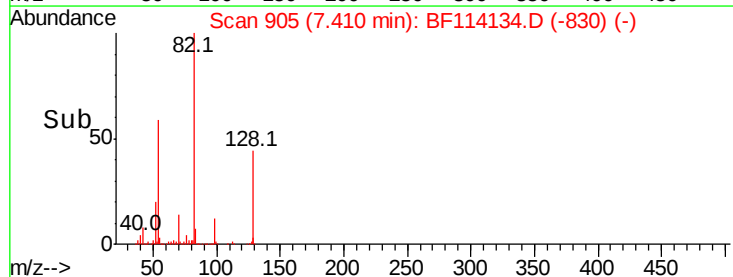
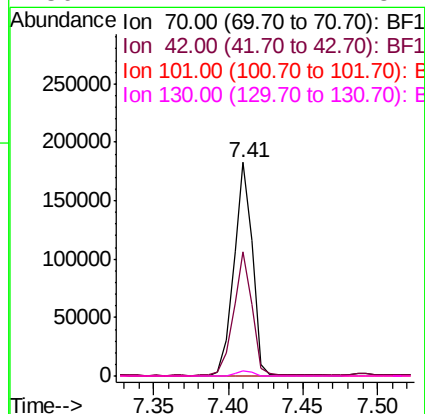
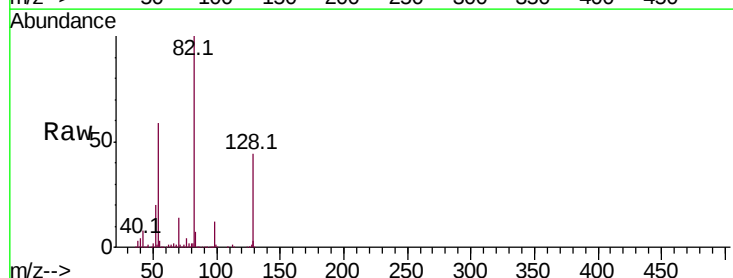
Ion Ratio Lower Upper

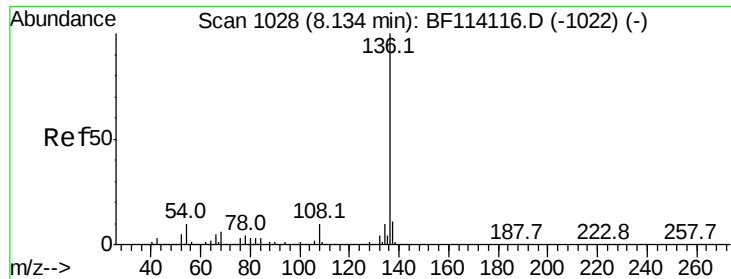
70 100

42 58.3 58.6 87.8#

101 0.0 7.8 11.8#

130 2.7 17.1 25.7#



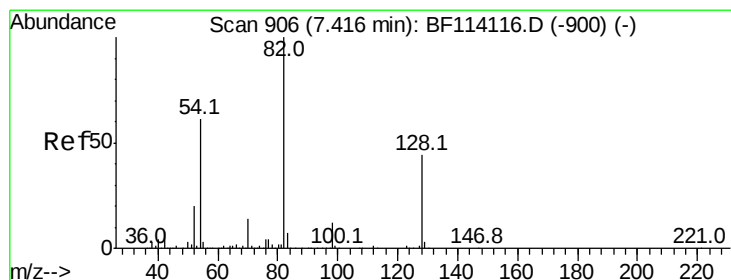
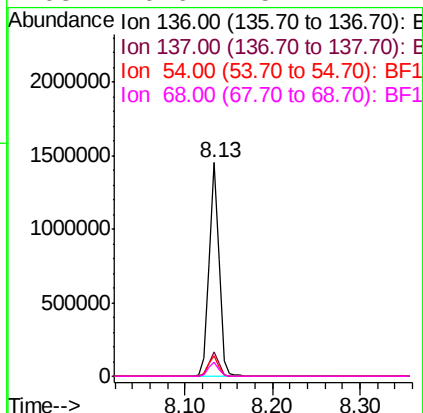
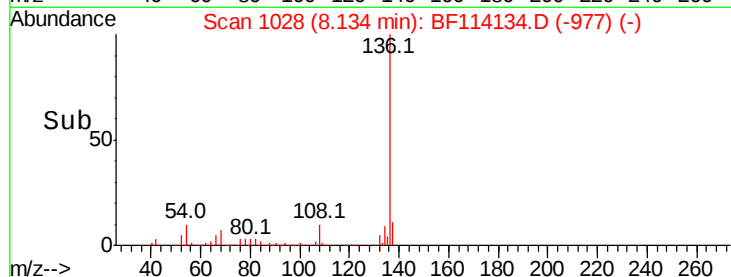
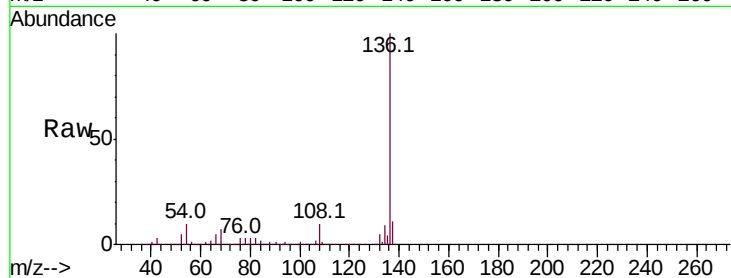


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1028  
Delta R.T. 0.00 min  
Lab File: BF114134.D  
Acq: 10 May 2019 21:28

Instrument :  
BNA\_F  
ClientSampleId :  
P021-SS002-0002-01

Tot Ion:136 Resp: 1162454

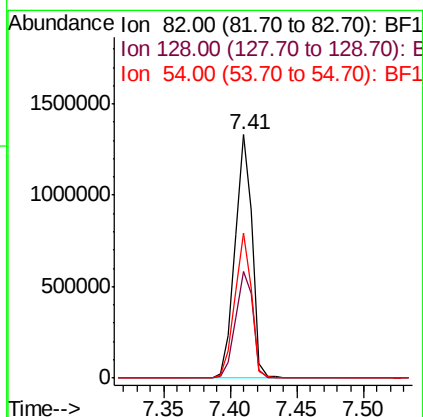
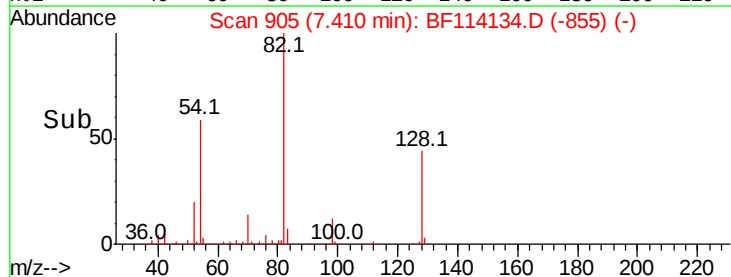
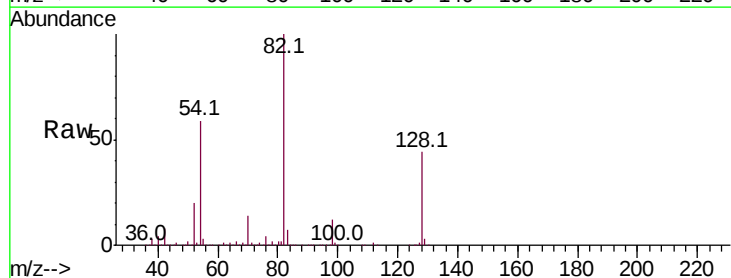
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.2  | 8.8   | 13.2  |
| 54  | 9.7   | 7.8   | 11.8  |
| 68  | 6.6   | 5.1   | 7.7   |



#23  
Nitrobenzene-d5  
Concen: 58.040 ng  
RT: 7.41 min Scan# 905  
Delta R.T. -0.01 min  
Lab File: BF114134.D  
Acq: 10 May 2019 21:28

Tgt Ion: 82 Resp: 1202228

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.0  | 35.5  | 53.3  |
| 54  | 59.4  | 48.5  | 72.7  |





#25

Isophorone

Concen: 31.195 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF114134.D

Acq: 10 May 2019 21:28

Instrument :

BNA\_F

ClientSampleId :

P021-SS002-0002-01

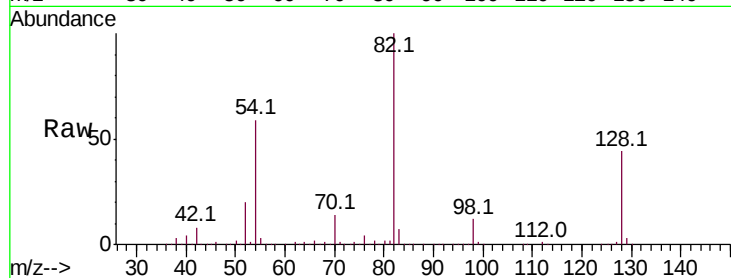
Tot Ion: 82 Resp: 1198377

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

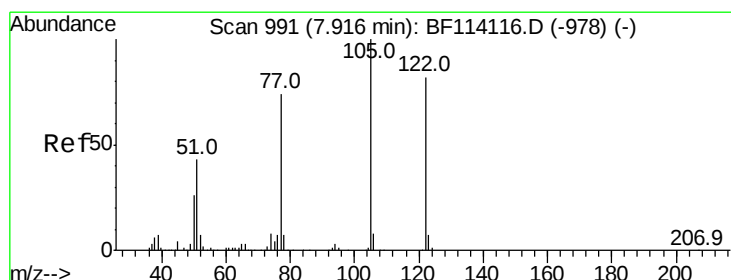
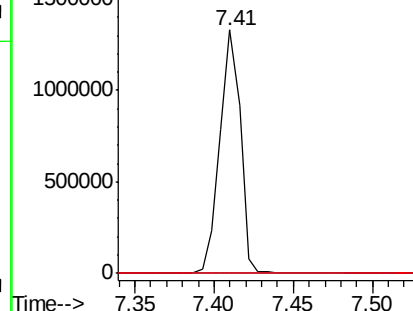
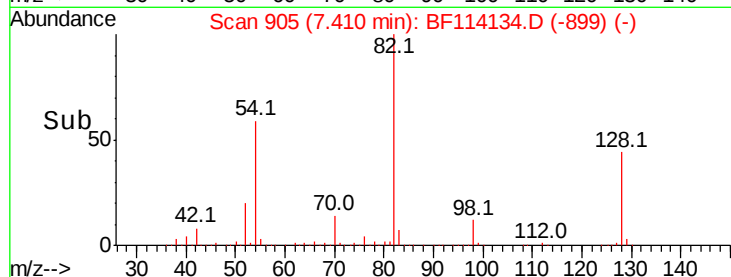
138 0.0 14.8 22.2#



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



#32

Benzoic acid

Concen: 7.127 ng

RT: 7.86 min Scan# 981

Delta R.T. -0.06 min

Lab File: BF114134.D

Acq: 10 May 2019 21:28

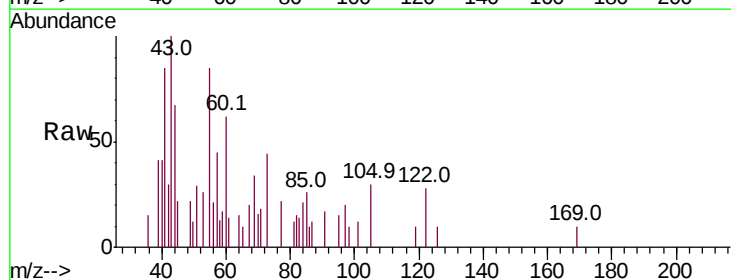
Tgt Ion:122 Resp: 1434

Ion Ratio Lower Upper

122 100

105 108.1 99.9 139.9

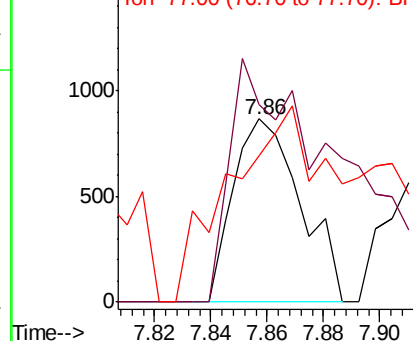
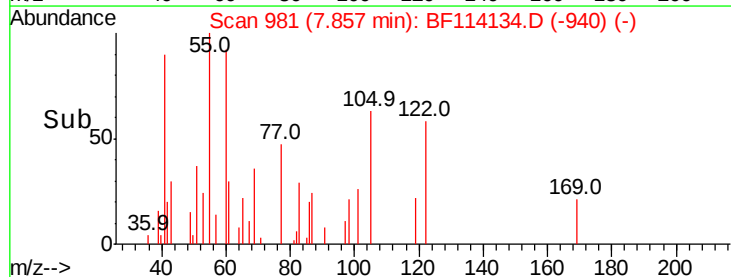
77 80.3 69.4 109.4

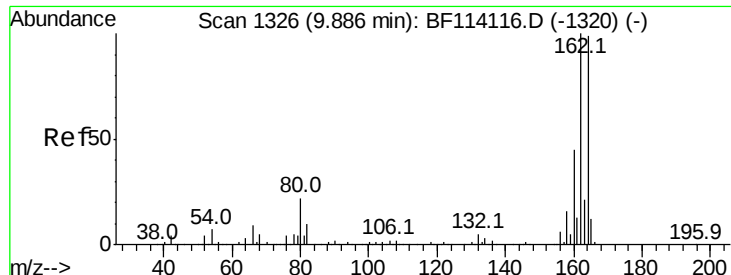


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

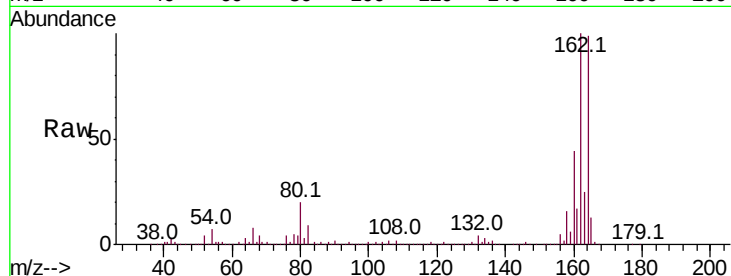




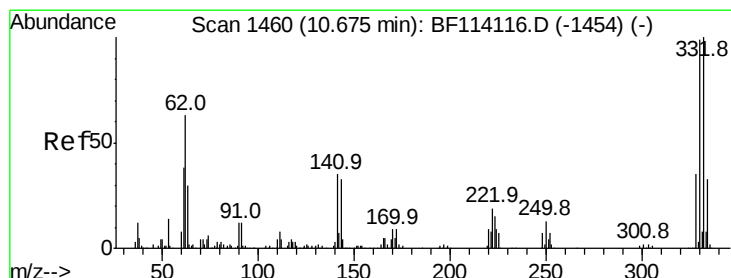
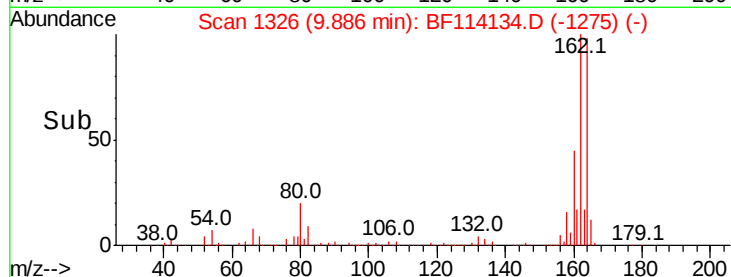
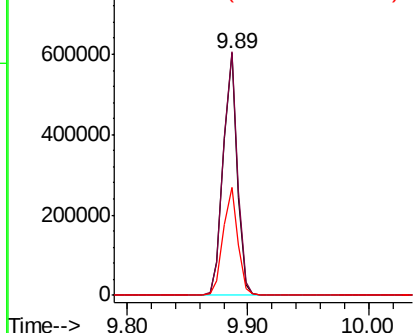
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.89 min Scan# 1326  
Delta R.T. 0.00 min  
Lab File: BF114134.D  
Acq: 10 May 2019 21:28

Instrument :  
BNA\_F  
ClientSampleId :  
P021-SS002-0002-01

Tot Ion:164 Resp: 479248  
Ion Ratio Lower Upper  
164 100  
162 100.7 80.6 120.8  
160 44.8 36.5 54.7

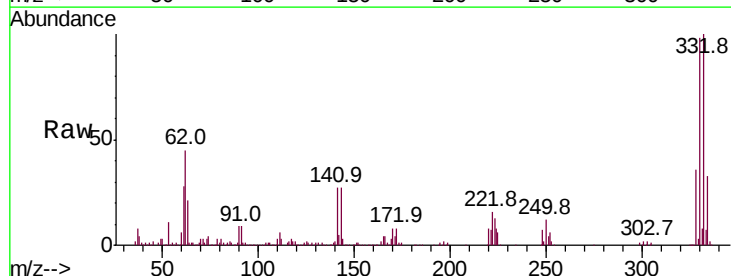


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

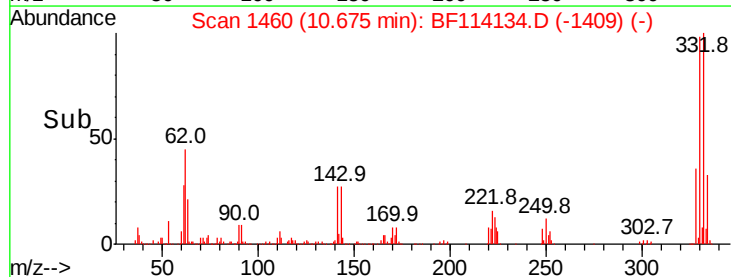
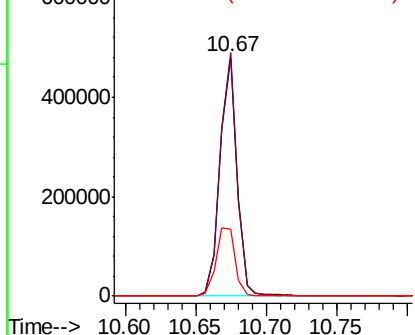


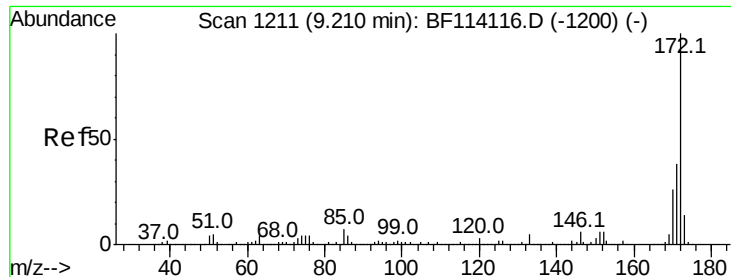
#42  
2,4,6-Tribromophenol  
Concen: 81.696 ng  
RT: 10.67 min Scan# 1460  
Delta R.T. 0.00 min  
Lab File: BF114134.D  
Acq: 10 May 2019 21:28

Tgt Ion:330 Resp: 404772  
Ion Ratio Lower Upper  
330 100  
332 100.7 81.4 122.2  
141 32.9 26.6 40.0



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



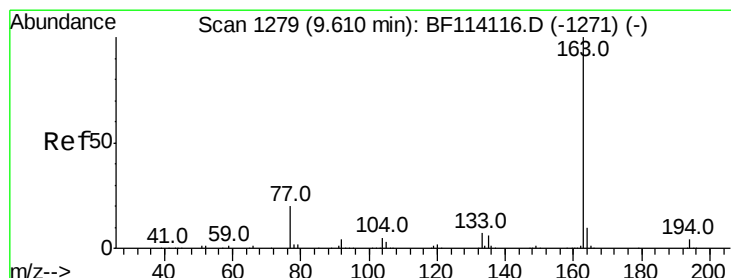
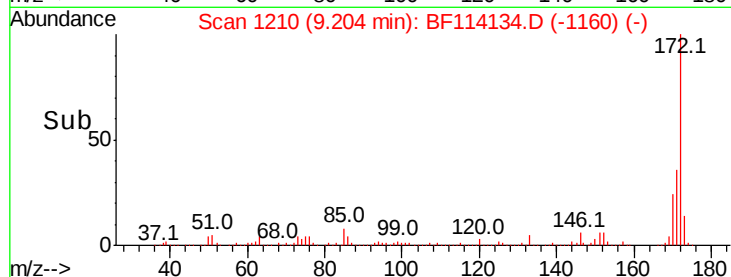
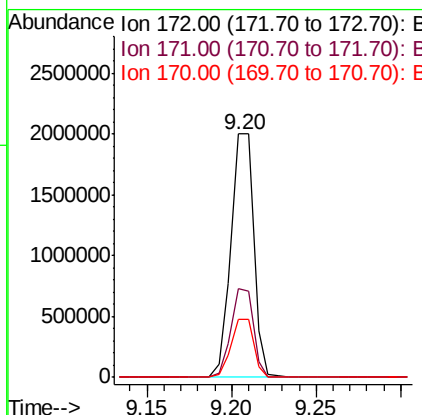
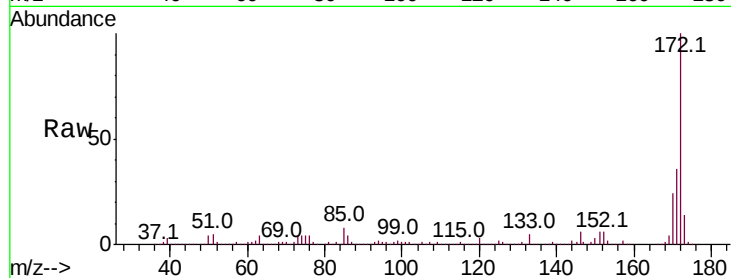


#45  
 2-Fluorobiphenyl  
 Concen: 59.277 ng  
 RT: 9.20 min Scan# 1210  
 Delta R.T. -0.01 min  
 Lab File: BF114134.D  
 Acq: 10 May 2019 21:28

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P021-SS002-0002-01

Tot Ion:172 Resp: 1878040  

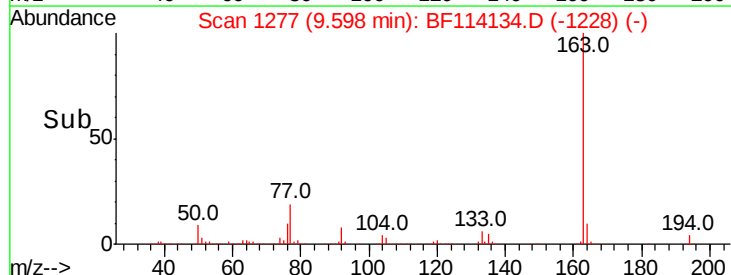
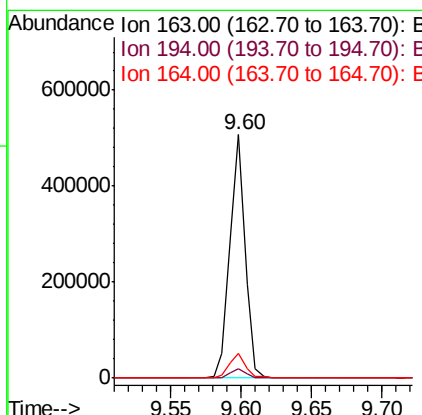
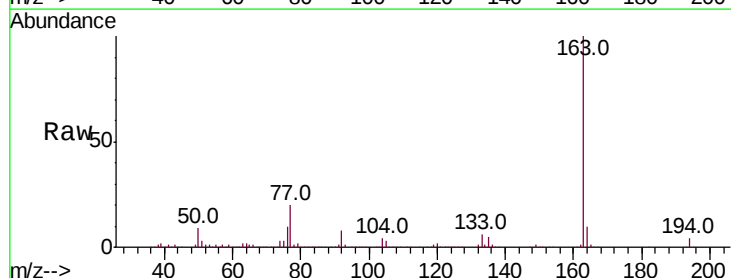
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.4  | 30.7  | 46.1  |
| 170 | 24.0  | 20.5  | 30.7  |

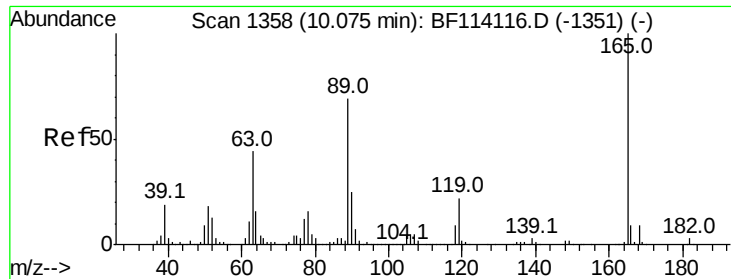


#50  
 Dimethylphthalate  
 Concen: 10.935 ng  
 RT: 9.60 min Scan# 1277  
 Delta R.T. -0.01 min  
 Lab File: BF114134.D  
 Acq: 10 May 2019 21:28

Tgt Ion:163 Resp: 384713  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 163 | 100   |       |       |
| 194 | 3.7   | 3.4   | 5.0   |
| 164 | 10.1  | 8.2   | 12.2  |

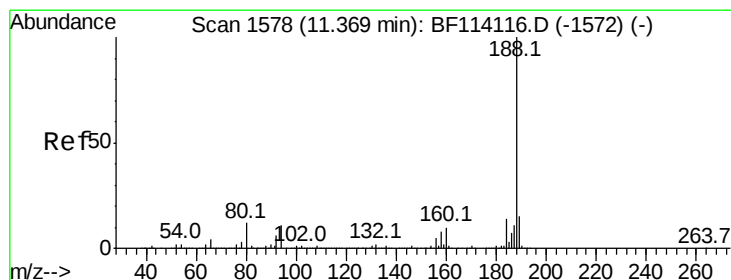
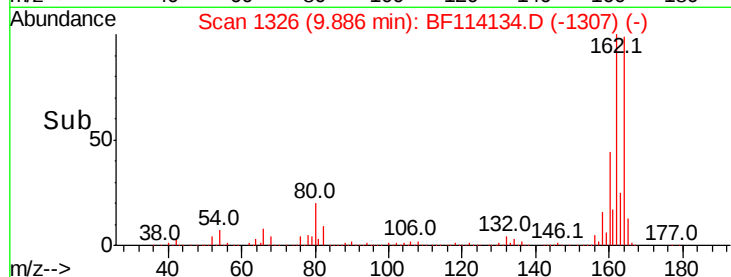
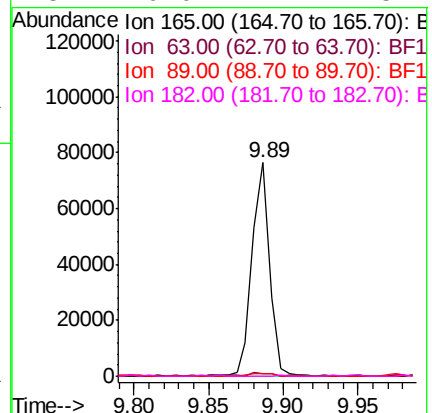
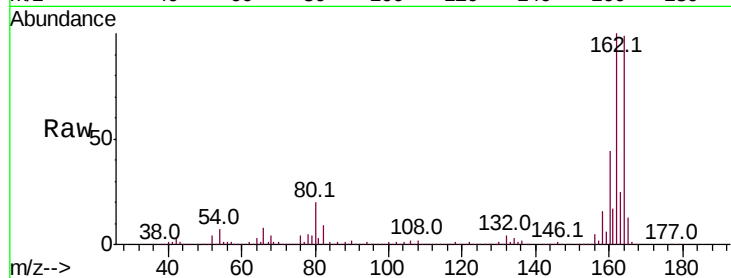




#57  
 2,4-Dinitrotoluene  
 Concen: 5.896 ng  
 RT: 9.89 min Scan# 1326  
 Delta R.T. -0.19 min  
 Lab File: BF114134.D  
 Acq: 10 May 2019 21:28

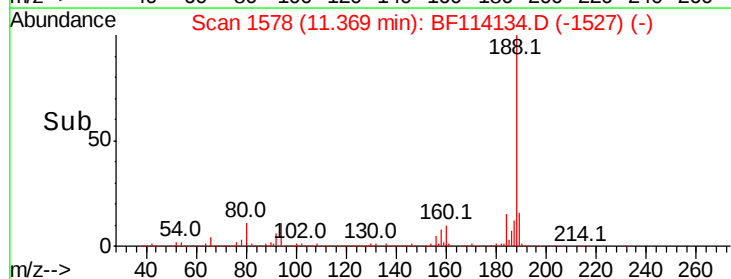
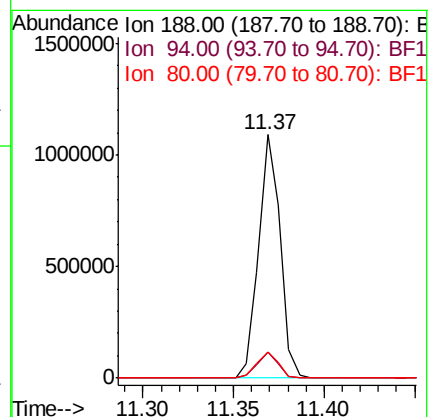
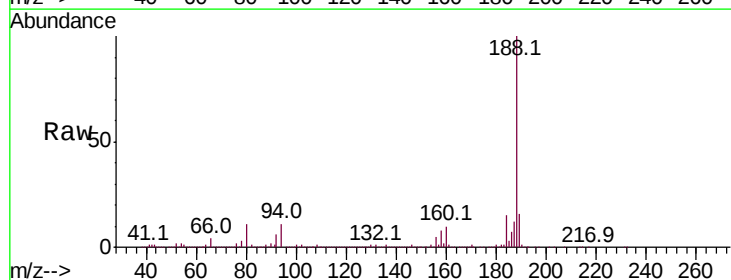
Instrument :  
 BNA\_F  
 ClientSampleId :  
 P021-SS002-0002-01

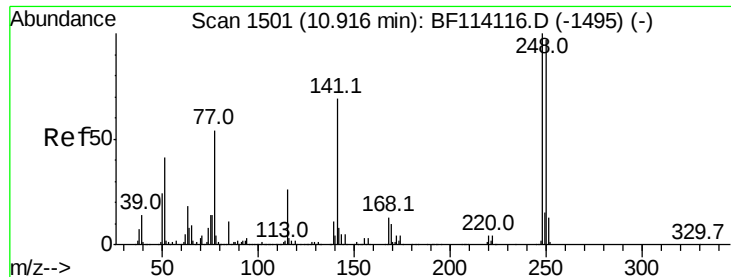
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 35.5  | 53.3# |
| 89      | 1.3   | 55.2  | 82.8# |
| 182     | 0.0   | 2.2   | 3.2#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.37 min Scan# 1578  
 Delta R.T. 0.00 min  
 Lab File: BF114134.D  
 Acq: 10 May 2019 21:28

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.8  | 8.4   | 12.6  |
| 80      | 10.9  | 9.2   | 13.8  |

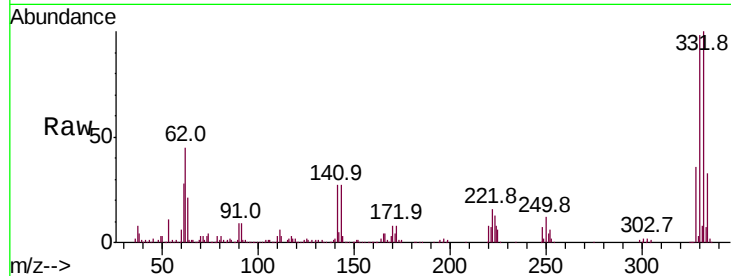




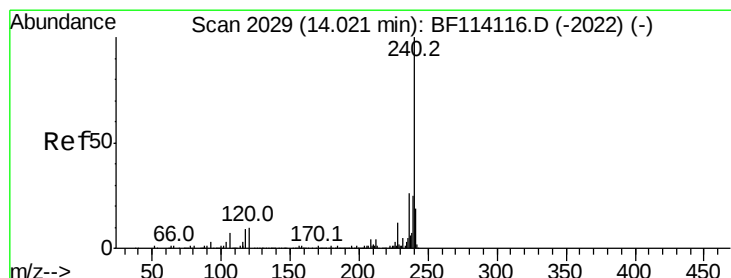
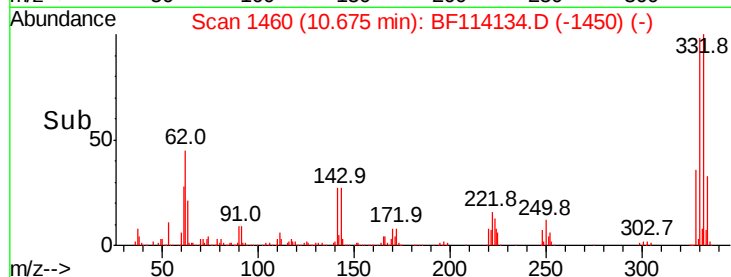
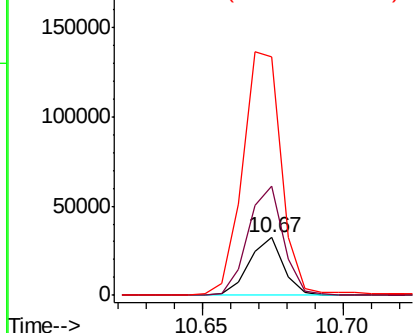
#67  
4-Bromophenyl-phenylether  
Concen: 2.737 ng  
RT: 10.67 min Scan# 1460  
Delta R.T. -0.24 min  
Lab File: BF114134.D  
Acq: 10 May 2019 21:28

Instrument :  
BNA\_F  
ClientSampleId :  
P021-SS002-0002-01

Tot Ion:248 Resp: 27206  
Ion Ratio Lower Upper  
248 100  
250 188.2 77.4 116.2#  
141 413.4 55.6 83.4#

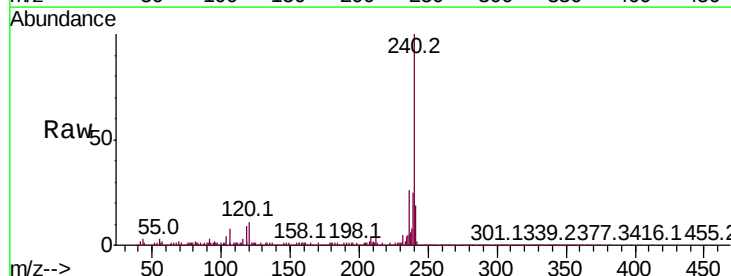


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

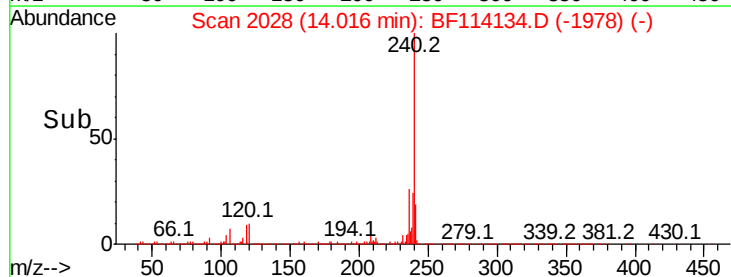
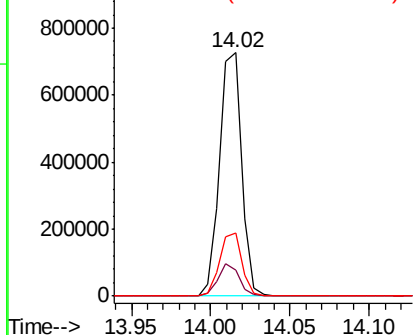


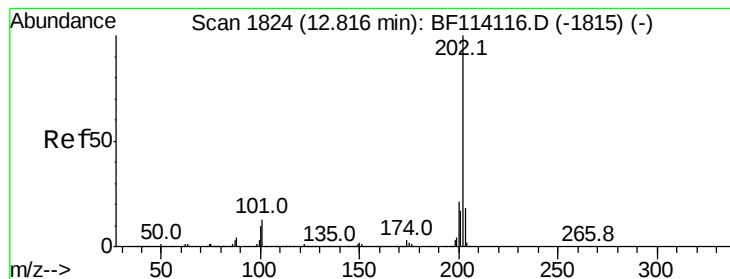
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.02 min Scan# 2028  
Delta R.T. -0.01 min  
Lab File: BF114134.D  
Acq: 10 May 2019 21:28

Tgt Ion:240 Resp: 700123  
Ion Ratio Lower Upper  
240 100  
120 10.5 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





#78

Pvrene

Concen: 2.647 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF114134.D

Acq: 10 May 2019 21:28

Instrument :

BNA\_F

ClientSampleId :

P021-SS002-0002-01

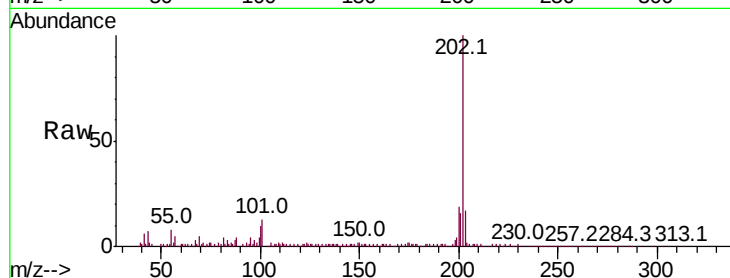
Tot Ion:202 Resp: 149065

Ion Ratio Lower Upper

202 100

200 19.1 16.9 25.3

203 17.3 14.5 21.7

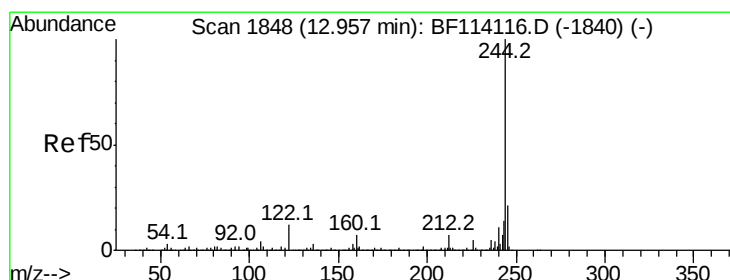
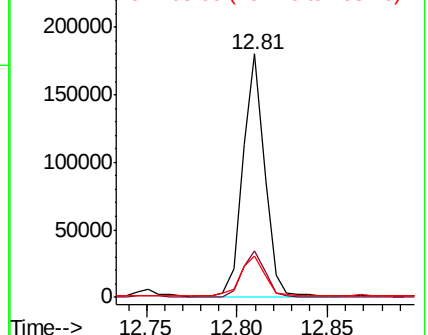
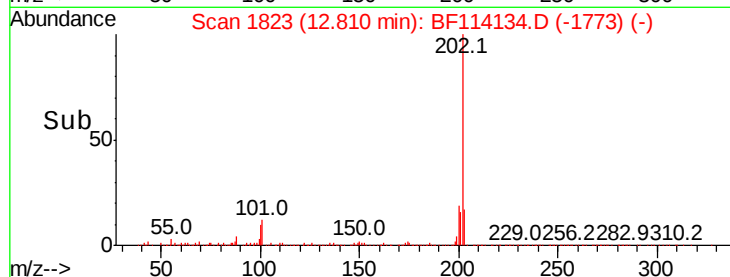


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 51.919 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114134.D

Acq: 10 May 2019 21:28

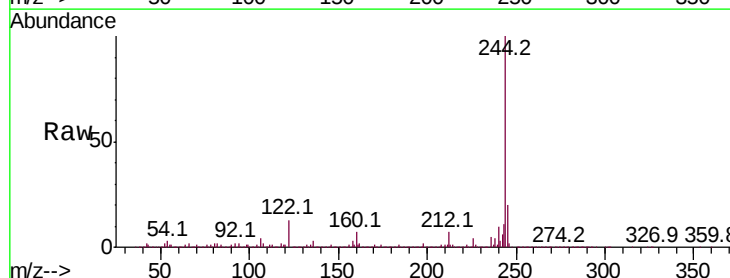
Tgt Ion:244 Resp: 1763327

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.6

122 12.9 9.4 14.2

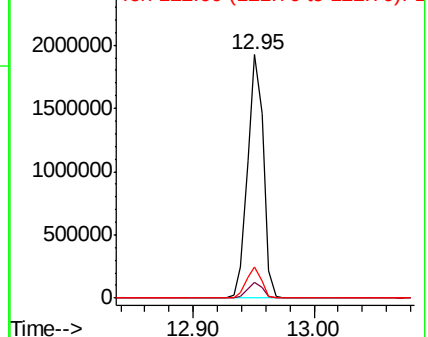
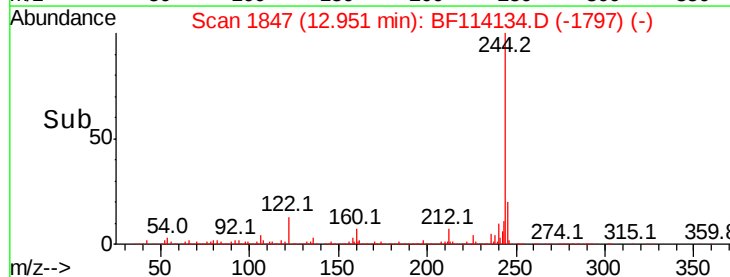


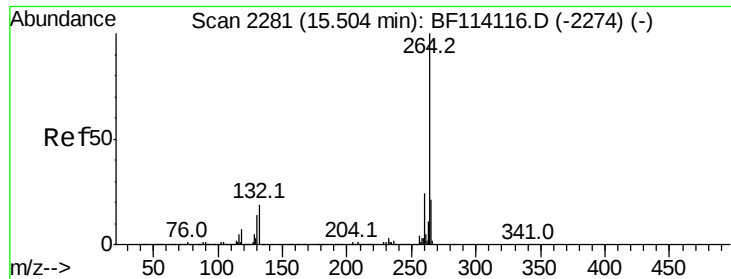
Abundance

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: 15.50 min Scan# 2280  
Delta R.T. -0.01 min  
Lab File: BF114134.D  
Acq: 10 May 2019 21:28

Instrument :  
BNA\_F  
ClientSampleId :  
P021-SS002-0002-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.4  | 29.0  |
| 265     | 22.7  | 16.9  | 25.3  |

