

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051019\  
 Data File : BF114137.D  
 Acq On : 10 May 2019 22:47  
 Operator : JU/SJ  
 Sample : K2762-06  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P021-SS001-0612-01

Quant Time: May 11 04:03:16 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

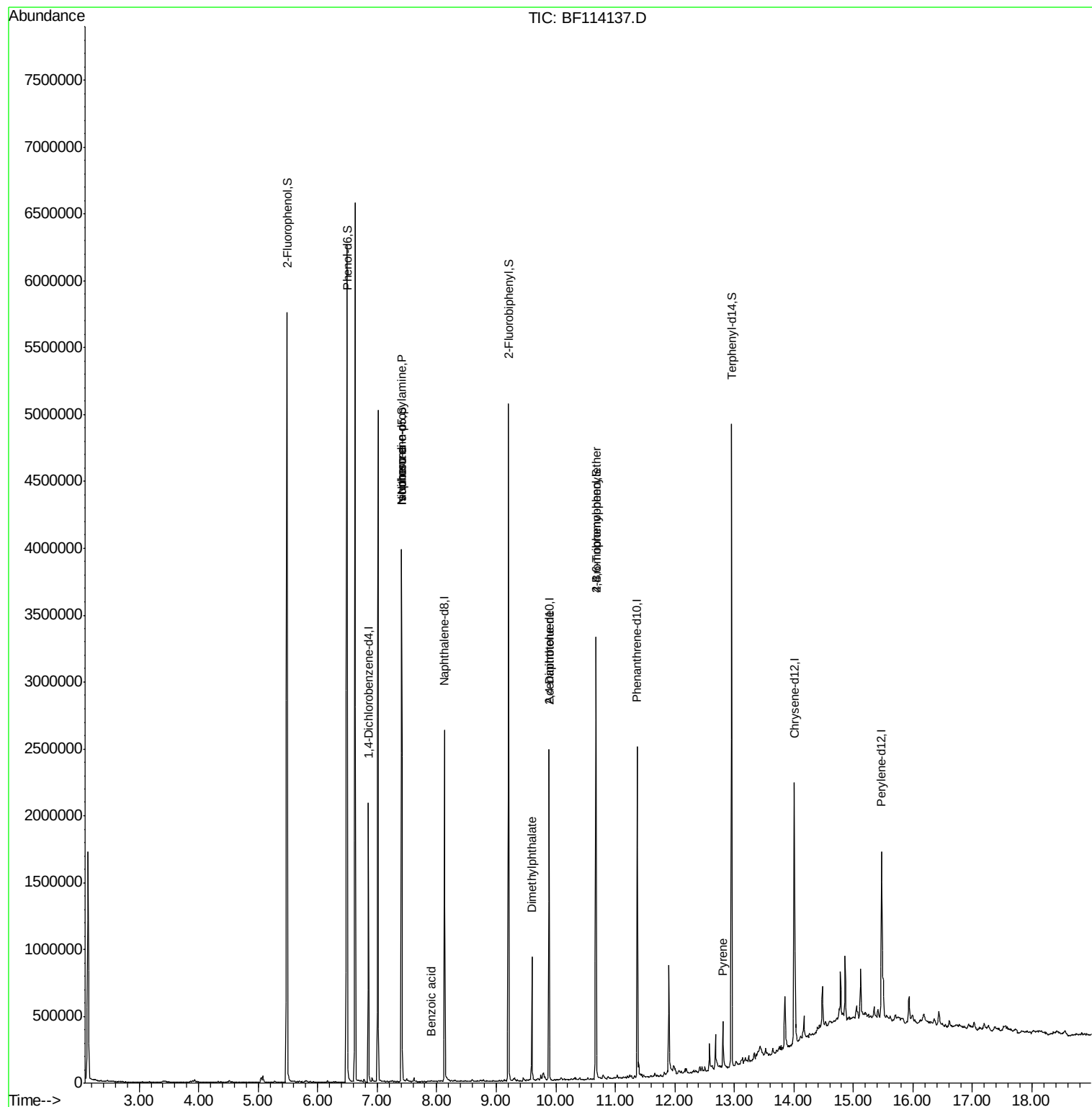
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 305928   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.13  | 136  | 1073834  | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 9.89  | 164  | 440049   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 11.37 | 188  | 852315   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 14.01 | 240  | 658343   | 20.00  | ng    | -0.01    |
| 87) Perylene-d12               | 15.47 | 264  | 564043   | 20.00  | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.49  | 112  | 1616832  | 85.05  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.49  | 99   | 2043626  | 90.89  | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 7.41  | 82   | 1172526  | 61.28  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 10.67 | 330  | 379147   | 83.34  | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 9.20  | 172  | 1546218  | 53.15  | ng    | 0.00     |
| 79) Terphenyl-d14              | 12.95 | 244  | 1522696  | 47.68  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70   | 153680   | 10.783 | ng    | # 77     |
| 25) Isophorone                 | 7.41  | 82   | 1166919  | 32.883 | ng    | # 64     |
| 32) Benzoic acid               | 7.92  | 122  | 153      | 7.033  | ng    | # 37     |
| 50) Dimethylphthalate          | 9.60  | 163  | 324967   | 10.060 | ng    | 99       |
| 57) 2,4-Dinitrotoluene         | 9.89  | 165  | 57348    | 5.897  | ng    | # 25     |
| 67) 4-Bromophenyl-phenylether  | 10.67 | 248  | 24983    | 2.662  | ng    | # 1      |
| 78) Pyrene                     | 12.81 | 202  | 132706   | 2.506  | ng    | 96       |

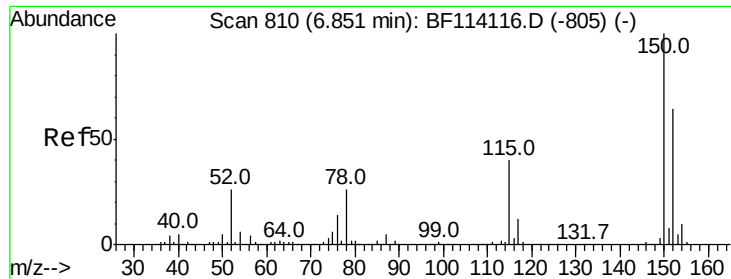
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : K2762-06  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
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Quant Time: May 11 04:03:16 2019  
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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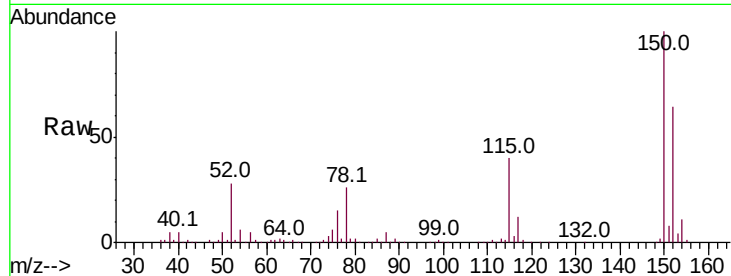


#1

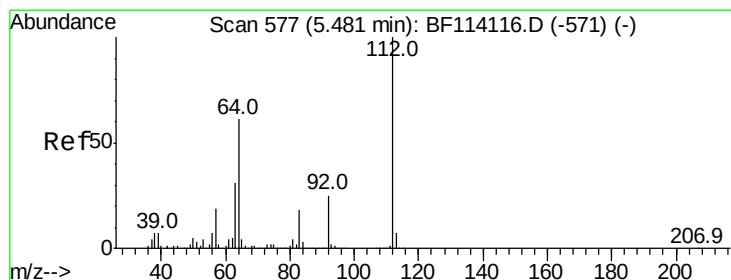
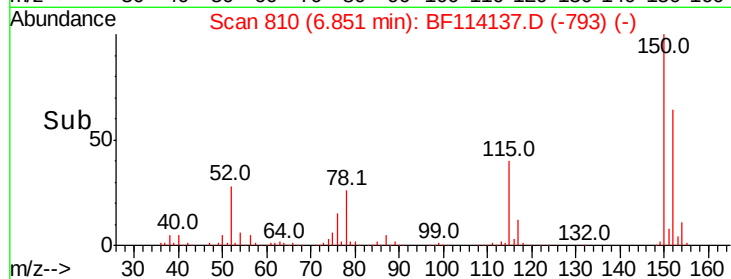
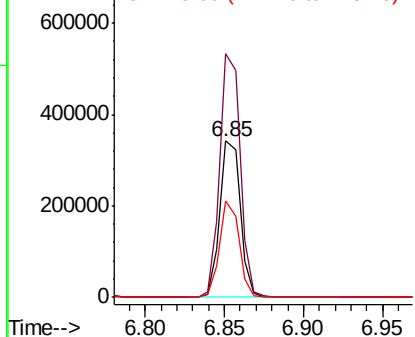
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 810  
Delta R.T. -0.00 min  
Lab File: BF114137.D  
Acq: 10 May 2019 22:47

Instrument :  
BNA\_F  
ClientSampleId :  
P021-SS001-0612-01

Tot Ion:152 Resp: 305928  
Ion Ratio Lower Upper  
152 100  
150 155.6 124.3 186.5  
115 61.7 49.1 73.7



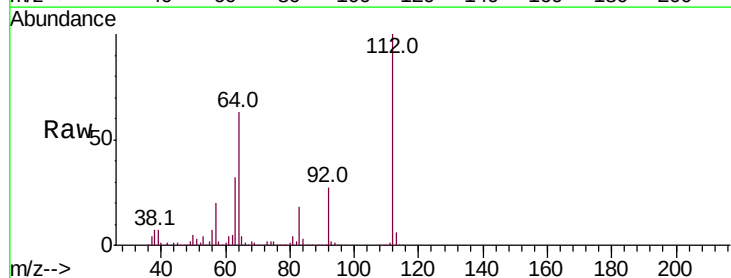
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



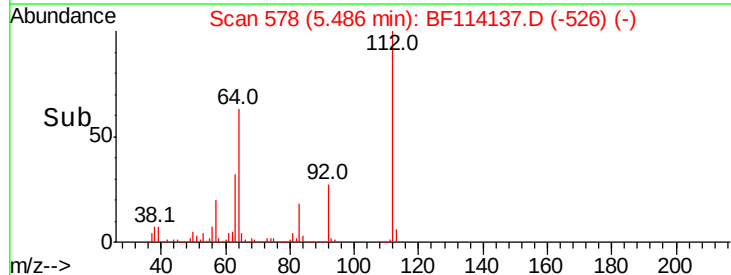
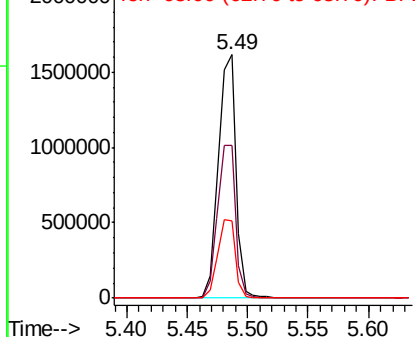
#5

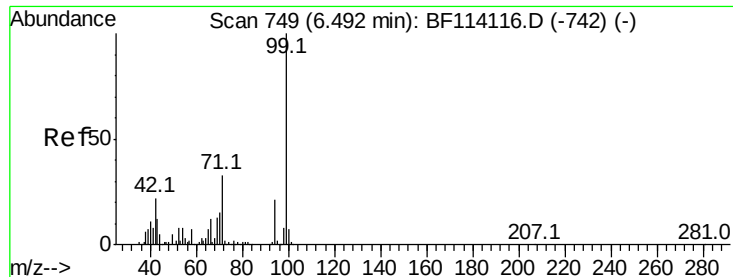
2-Fluorophenol  
Concen: 85.050 ng  
RT: 5.49 min Scan# 578  
Delta R.T. 0.01 min  
Lab File: BF114137.D  
Acq: 10 May 2019 22:47

Tgt Ion:112 Resp: 1616832  
Ion Ratio Lower Upper  
112 100  
64 62.7 49.0 73.6  
63 31.6 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: 90.891 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF114137.D

Acq: 10 May 2019 22:47

Instrument :

BNA\_F

ClientSampleId :

P021-SS001-0612-01

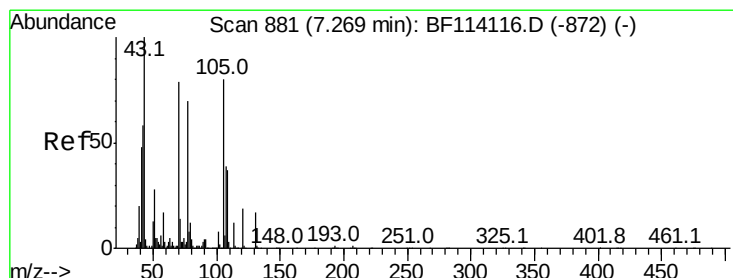
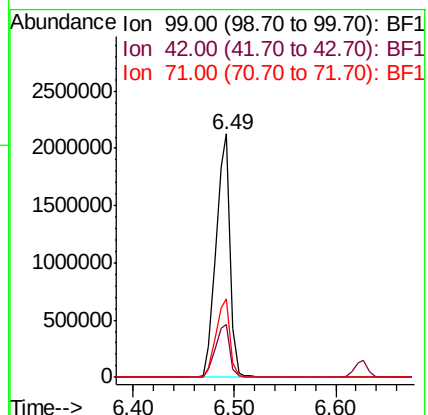
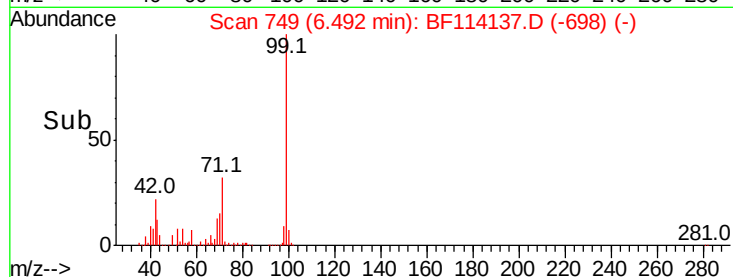
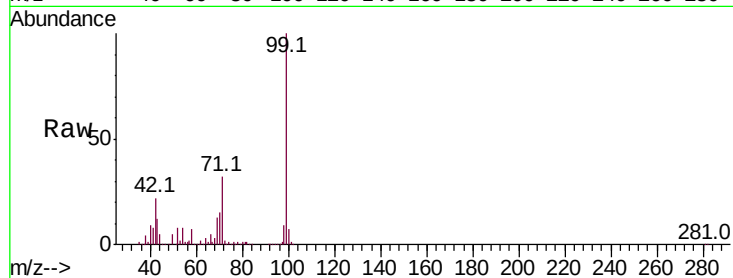
Tot Ion: 99 Resp: 2043626

Ion Ratio Lower Upper

99 100

42 21.9 17.9 26.9

71 32.1 26.2 39.2



#19

n-Nitroso-di-n-propylamine

Concen: 10.783 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF114137.D

Acq: 10 May 2019 22:47

Tgt Ion: 70 Resp: 153680

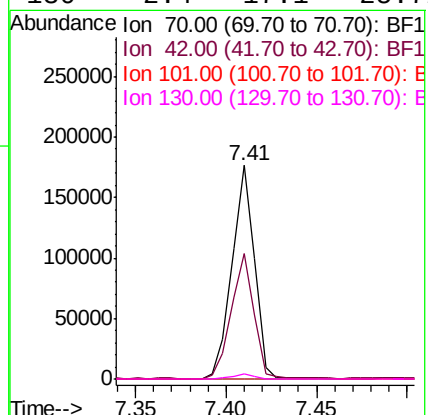
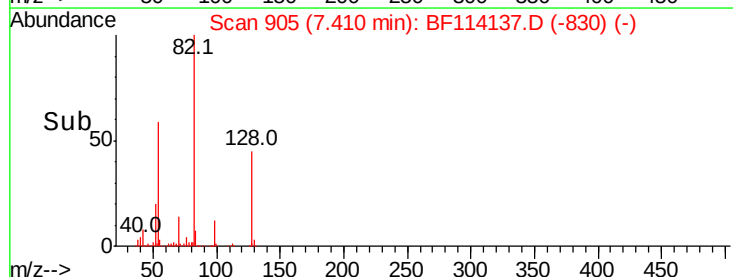
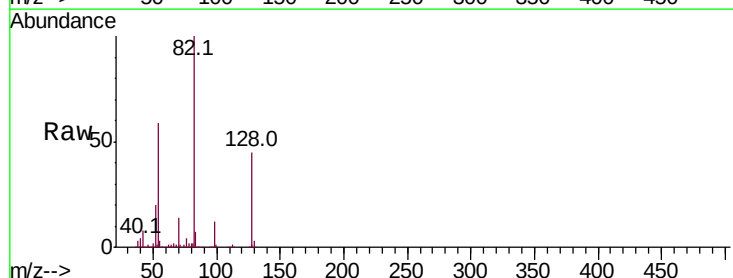
Ion Ratio Lower Upper

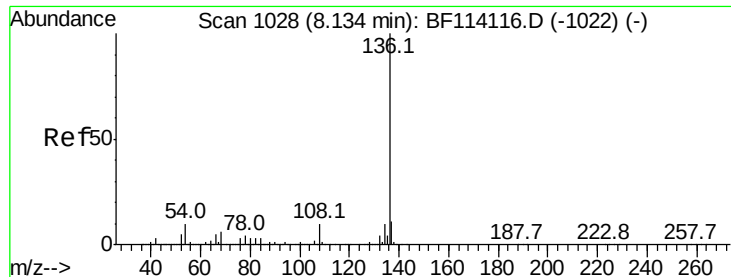
70 100

42 58.5 58.6 87.8#

101 0.0 7.8 11.8#

130 2.4 17.1 25.7#



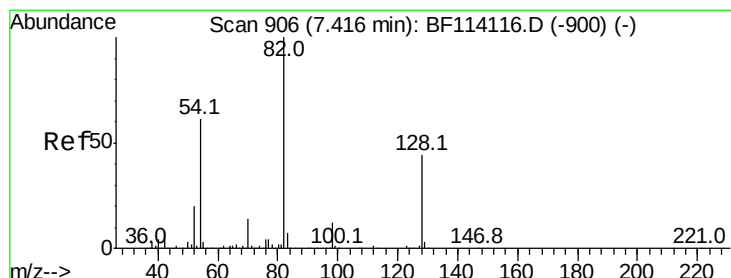
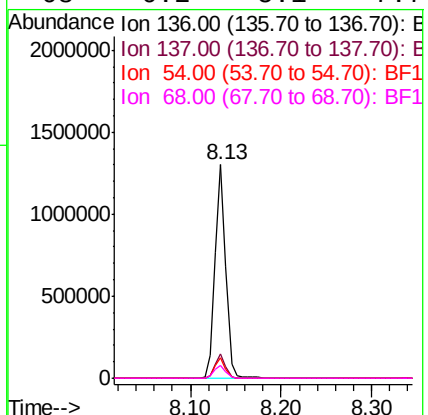
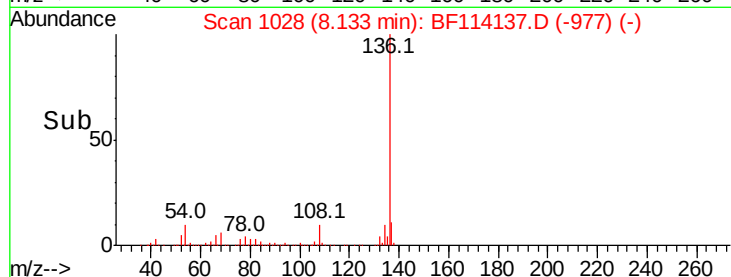
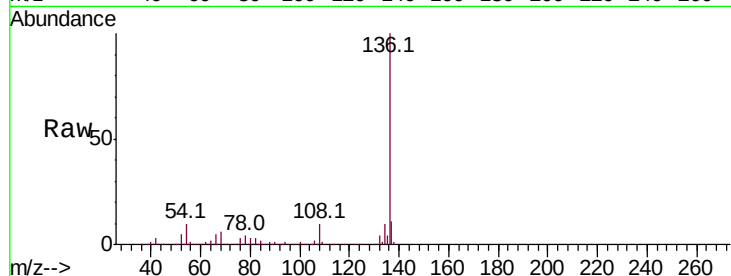


#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1028  
Delta R.T. -0.00 min  
Lab File: BF114137.D  
Acq: 10 May 2019 22:47

Instrument :  
BNA\_F  
ClientSampleId :  
P021-SS001-0612-01

Tot Ion:136 Resp: 1073834

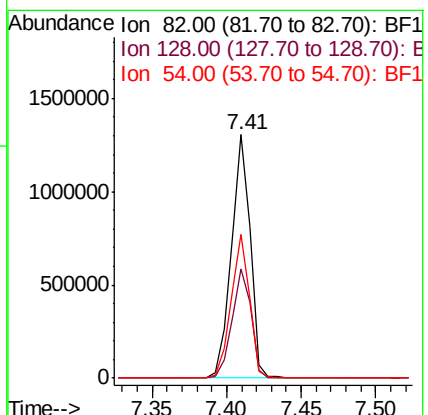
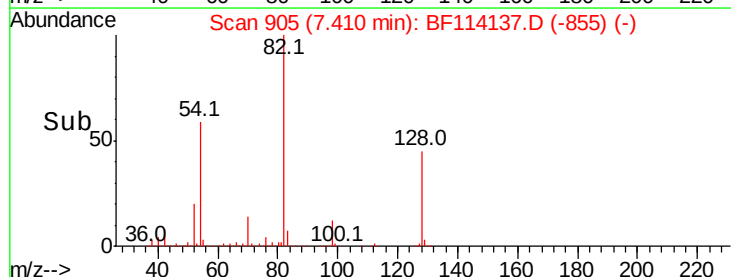
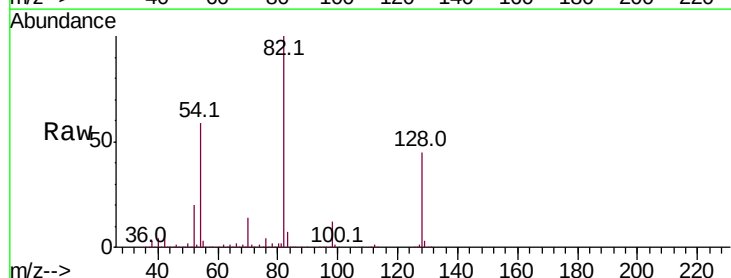
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.4  | 8.8   | 13.2  |
| 54  | 9.7   | 7.8   | 11.8  |
| 68  | 6.2   | 5.1   | 7.7   |

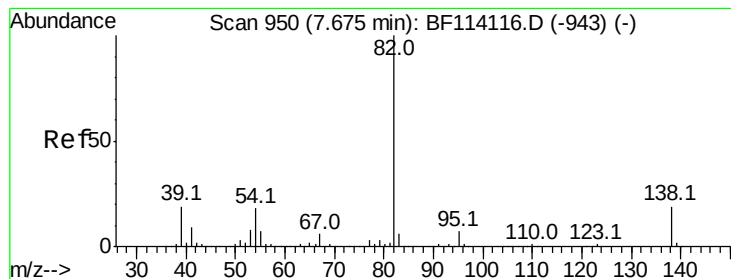


#23  
Nitrobenzene-d5  
Concen: 61.278 ng  
RT: 7.41 min Scan# 905  
Delta R.T. -0.01 min  
Lab File: BF114137.D  
Acq: 10 May 2019 22:47

Tgt Ion: 82 Resp: 1172526

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 44.8  | 35.5  | 53.3  |
| 54  | 59.0  | 48.5  | 72.7  |





#25

Isophorone

Concen: 32.883 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF114137.D

Acq: 10 May 2019 22:47

Instrument :

BNA\_F

ClientSampleId :

P021-SS001-0612-01

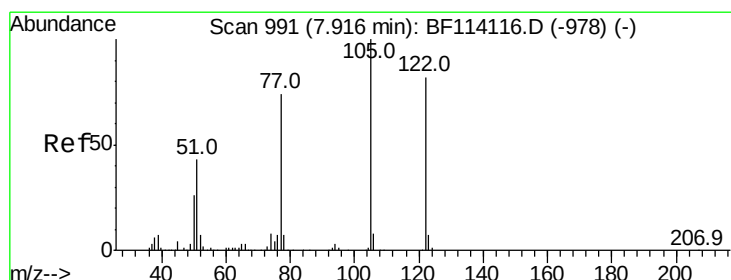
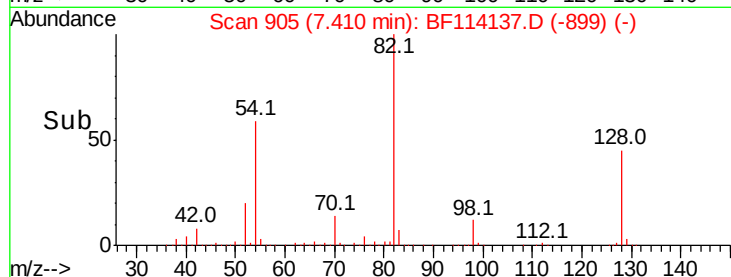
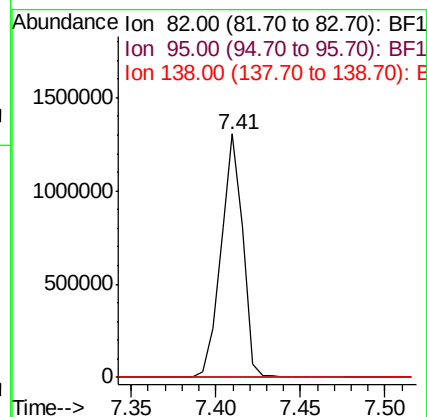
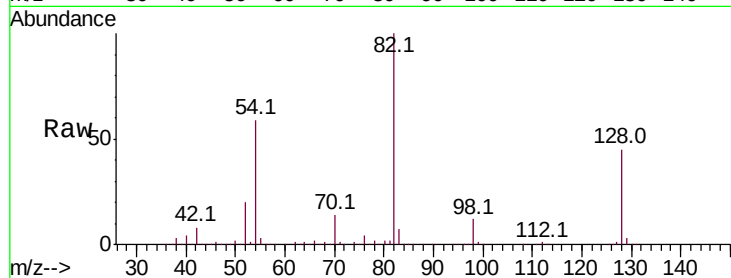
Tot Ion: 82 Resp: 1166919

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.8 22.2#



#32

Benzoic acid

Concen: 7.033 ng

RT: 7.92 min Scan# 992

Delta R.T. 0.01 min

Lab File: BF114137.D

Acq: 10 May 2019 22:47

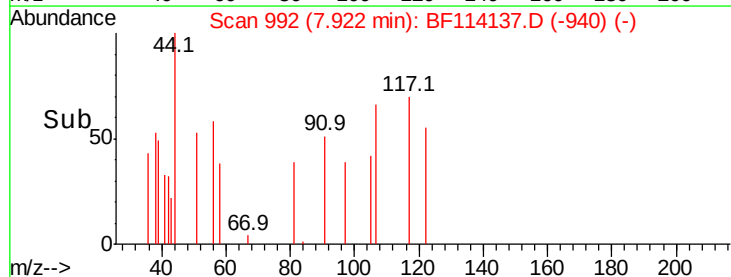
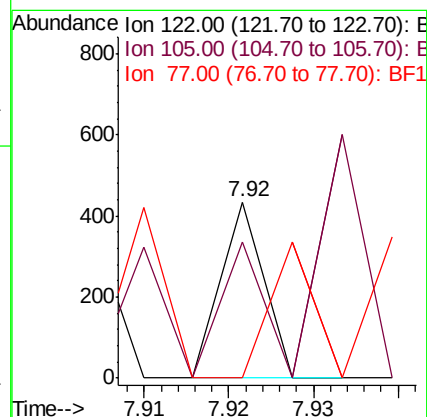
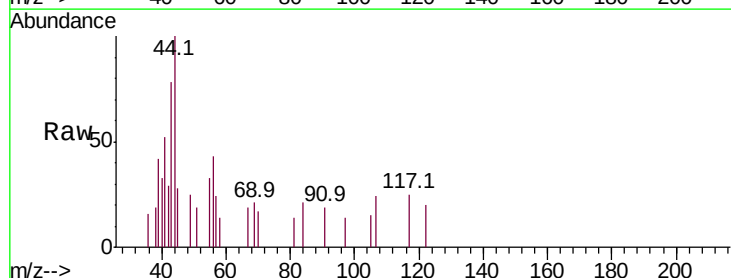
Tgt Ion:122 Resp: 153

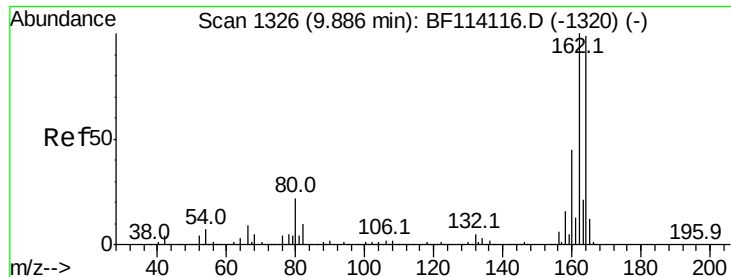
Ion Ratio Lower Upper

122 100

105 77.4 99.9 139.9#

77 0.0 69.4 109.4#

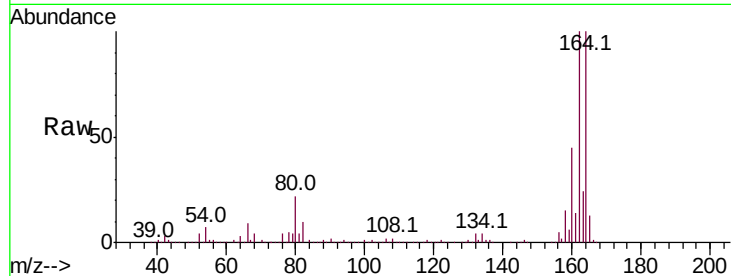




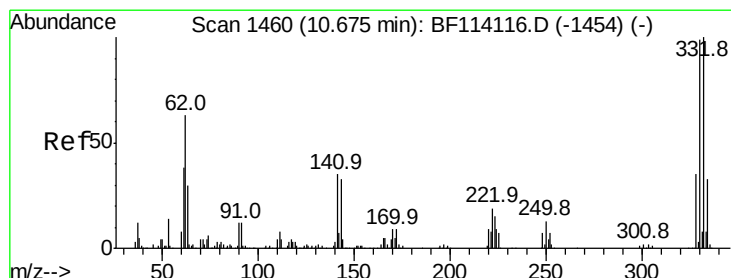
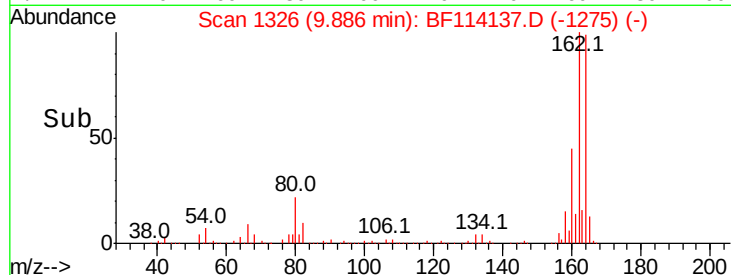
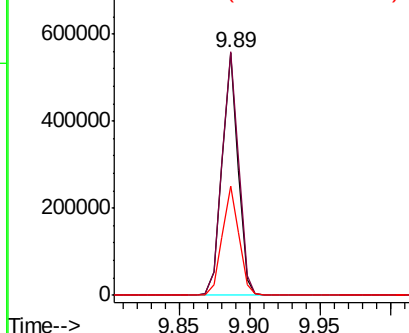
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.89 min Scan# 1326  
Delta R.T. -0.00 min  
Lab File: BF114137.D  
Acq: 10 May 2019 22:47

Instrument :  
BNA\_F  
ClientSampleId :  
P021-SS001-0612-01

Tot Ion:164 Resp: 440049  
Ion Ratio Lower Upper  
164 100  
162 100.3 80.6 120.8  
160 45.0 36.5 54.7

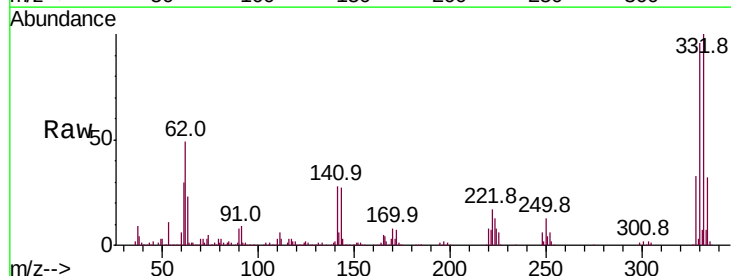


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

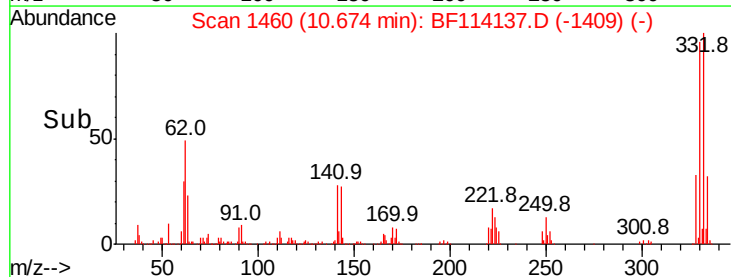
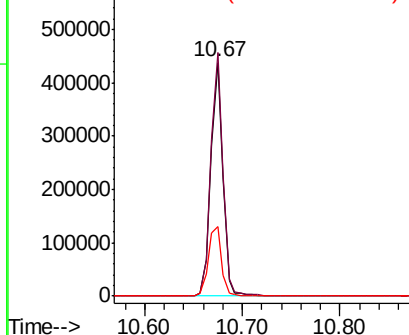


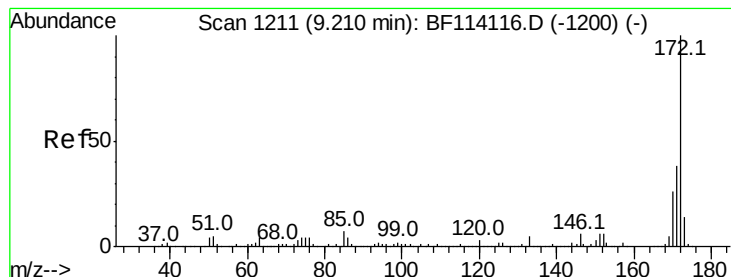
#42  
2,4,6-Tribromophenol  
Concen: 83.341 ng  
RT: 10.67 min Scan# 1460  
Delta R.T. -0.00 min  
Lab File: BF114137.D  
Acq: 10 May 2019 22:47

Tgt Ion:330 Resp: 379147  
Ion Ratio Lower Upper  
330 100  
332 103.5 81.4 122.2  
141 32.3 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: 53.151 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.01 min

Lab File: BF114137.D

Acq: 10 May 2019 22:47

Instrument :

BNA\_F

ClientSampleId :

P021-SS001-0612-01

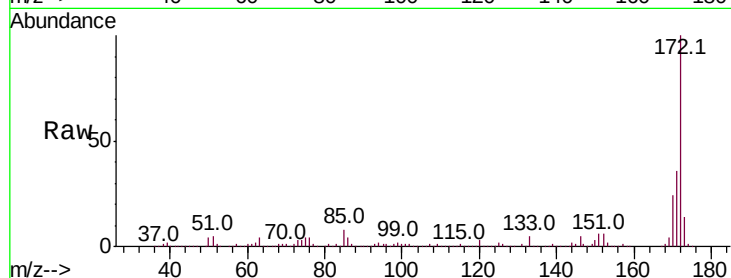
Tot Ion:172 Resp: 1546218

Ion Ratio Lower Upper

172 100

171 36.4 30.7 46.1

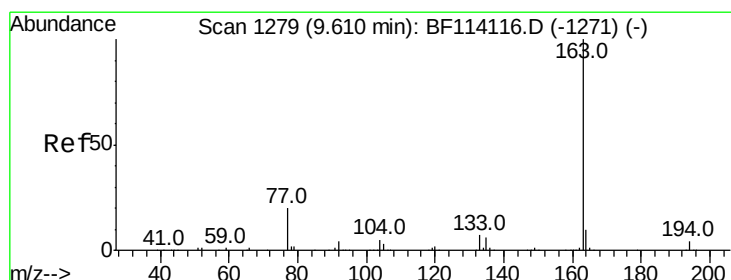
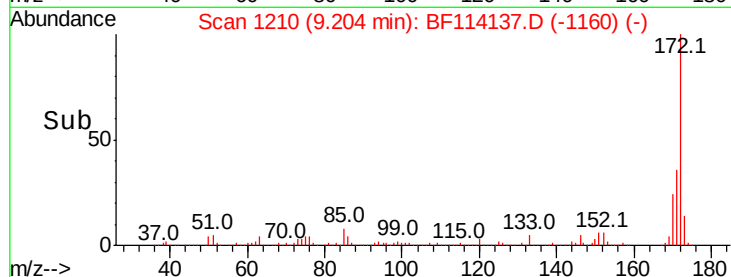
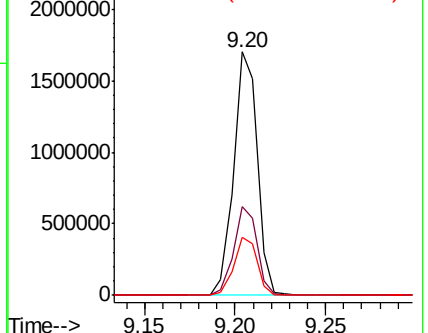
170 23.9 20.5 30.7



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



#50

Dimethylphthalate

Concen: 10.060 ng

RT: 9.60 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF114137.D

Acq: 10 May 2019 22:47

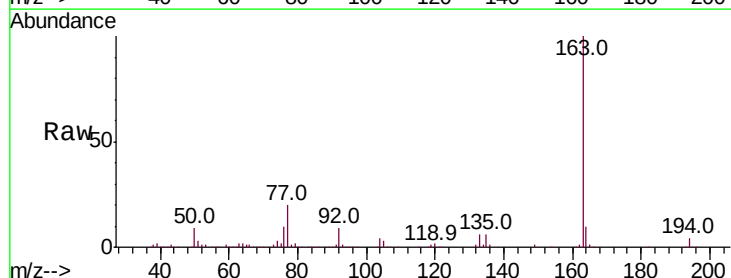
Tgt Ion:163 Resp: 324967

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

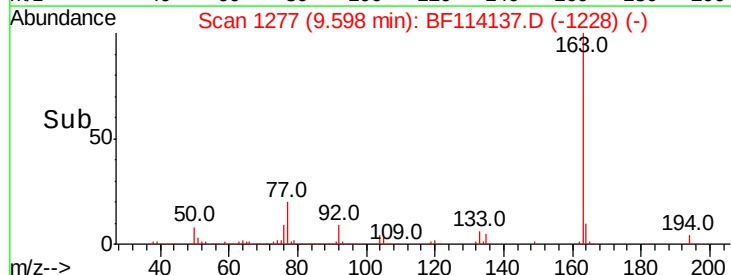
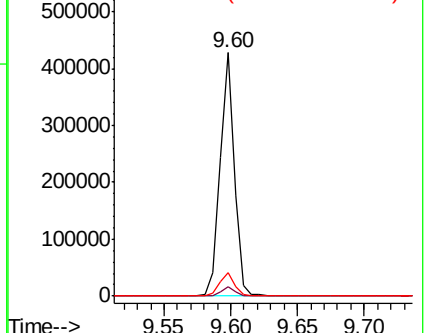
164 9.7 8.2 12.2



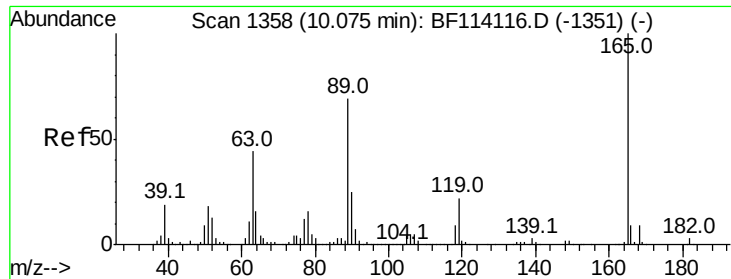
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



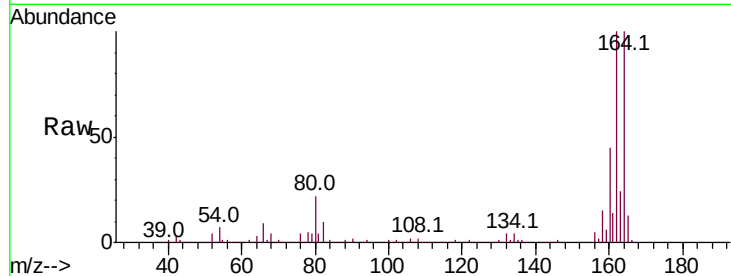




#57  
 2,4-Dinitrotoluene  
 Concen: 5.897 ng  
 RT: 9.89 min Scan# 1326  
 Delta R.T. -0.19 min  
 Lab File: BF114137.D  
 Acq: 10 May 2019 22:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 P021-SS001-0612-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.4   | 35.5  | 53.3# |
| 89      | 1.0   | 55.2  | 82.8# |
| 182     | 0.0   | 2.2   | 3.2#  |

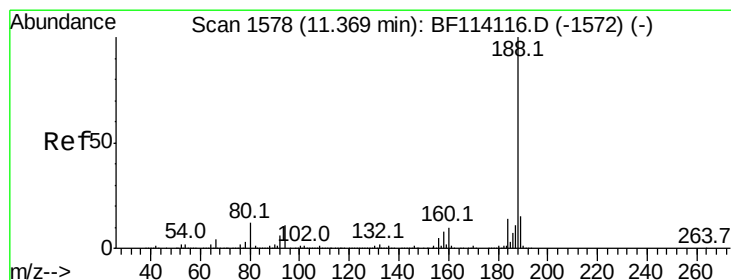
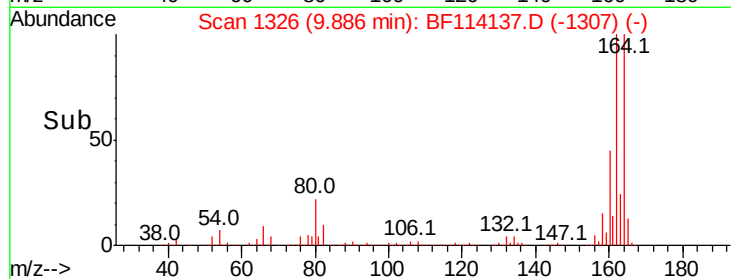
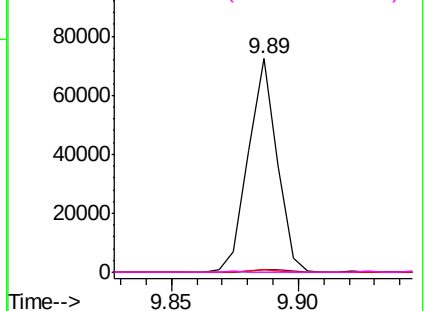


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

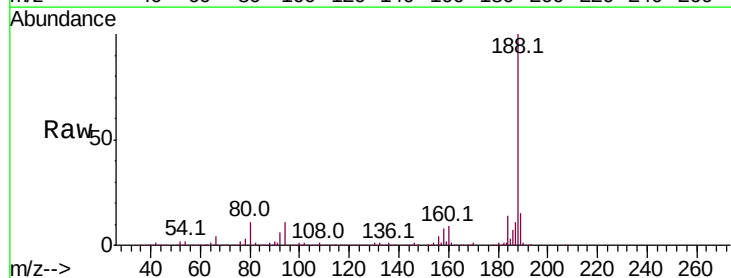
Ion 89.00 (88.70 to 89.70): BF1

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: BF114137.D  
 Acq: 10 May 2019 22:47

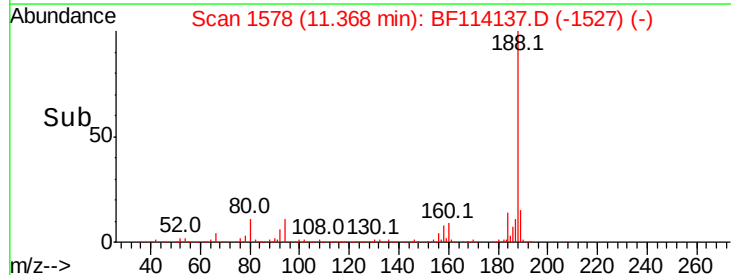
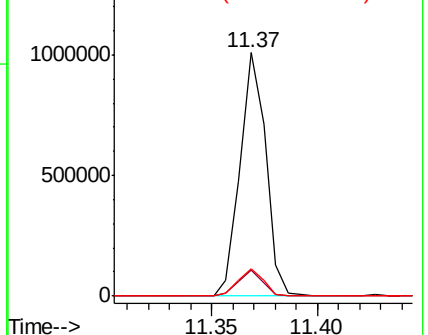
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 10.8  | 8.4   | 12.6  |
| 80      | 11.0  | 9.2   | 13.8  |

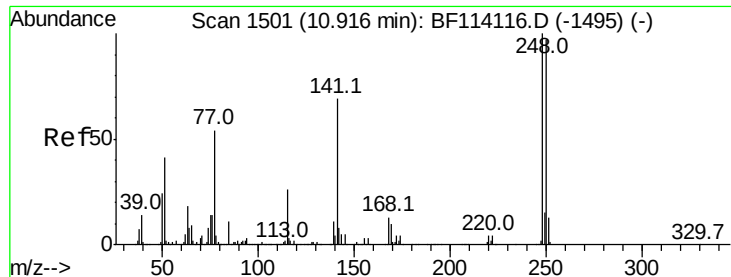


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

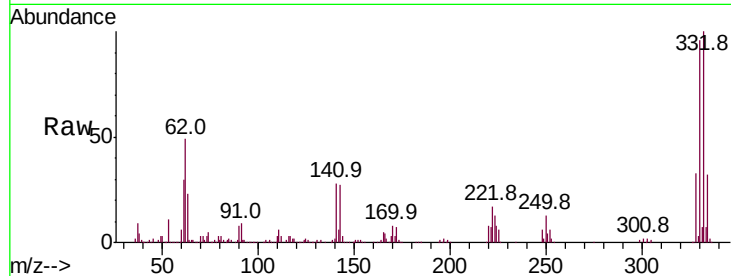




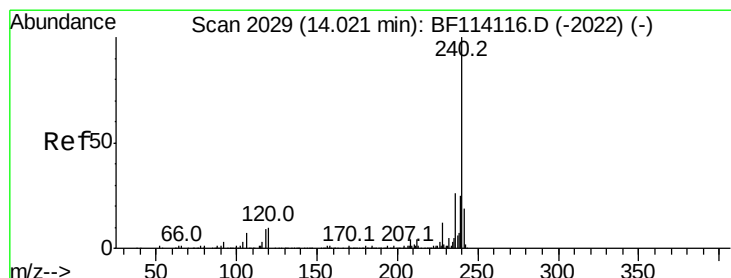
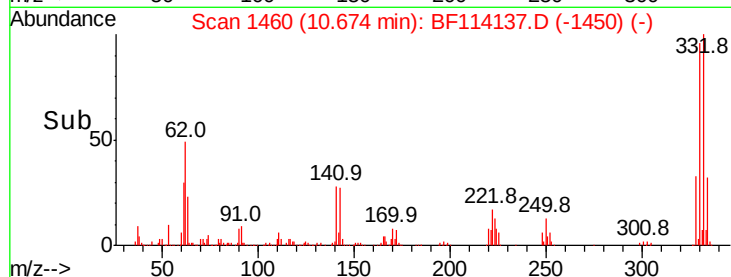
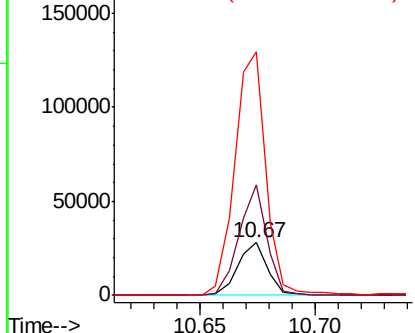
#67  
4-Bromophenyl-phenylether  
Concen: 2.662 ng  
RT: 10.67 min Scan# 1460  
Delta R.T. -0.24 min  
Lab File: BF114137.D  
Acq: 10 May 2019 22:47

Instrument :  
BNA\_F  
ClientSampleId :  
P021-SS001-0612-01

Tot Ion:248 Resp: 24983  
Ion Ratio Lower Upper  
248 100  
250 209.7 77.4 116.2#  
141 462.6 55.6 83.4#

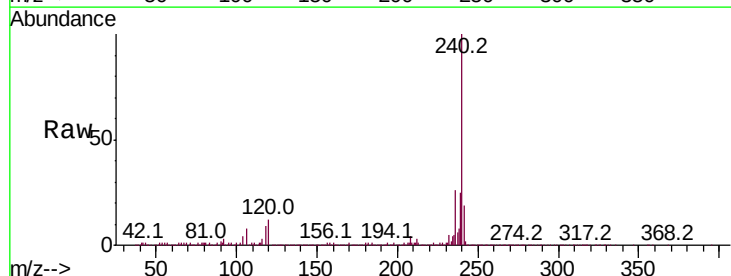


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

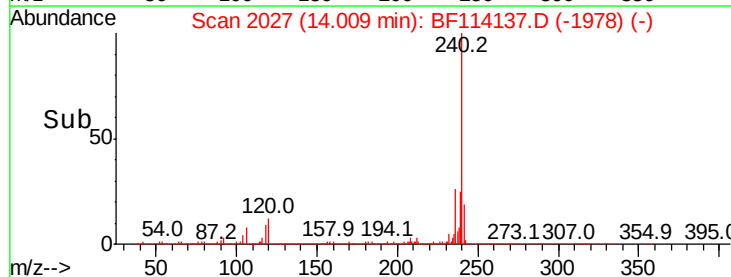
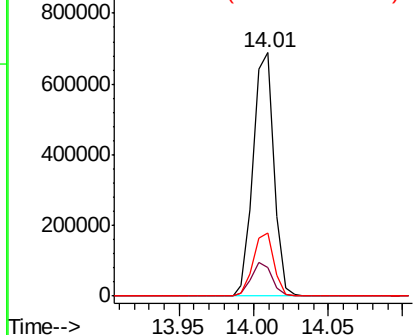


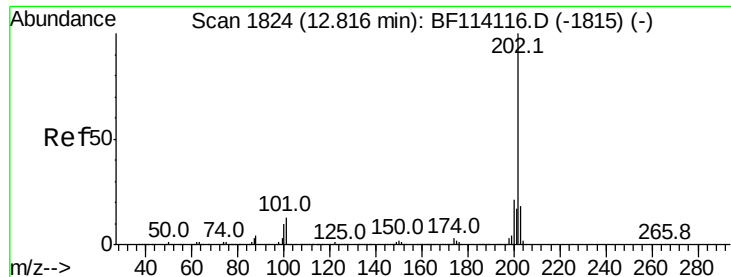
#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.01 min Scan# 2027  
Delta R.T. -0.01 min  
Lab File: BF114137.D  
Acq: 10 May 2019 22:47

Tgt Ion:240 Resp: 658343  
Ion Ratio Lower Upper  
240 100  
120 11.9 8.3 12.5  
236 26.0 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: 2.506 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF114137.D

Acq: 10 May 2019 22:47

Instrument :

BNA\_F

ClientSampleId :

P021-SS001-0612-01

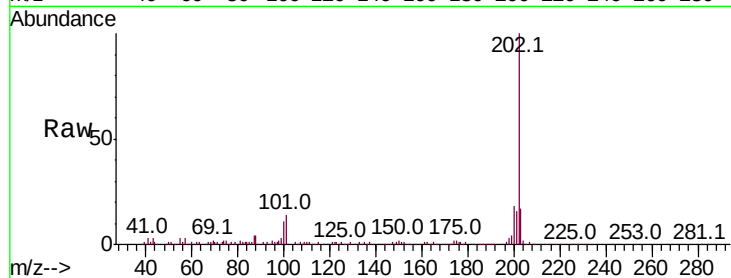
Tot Ion:202 Resp: 132706

Ion Ratio Lower Upper

202 100

200 18.5 16.9 25.3

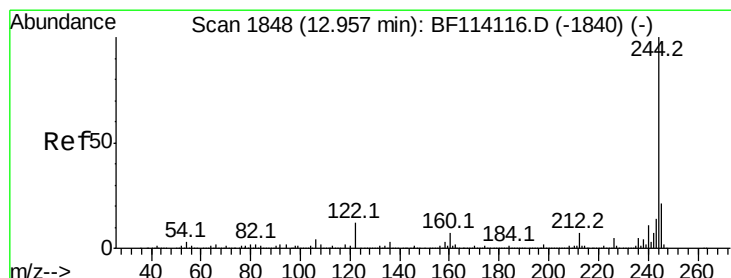
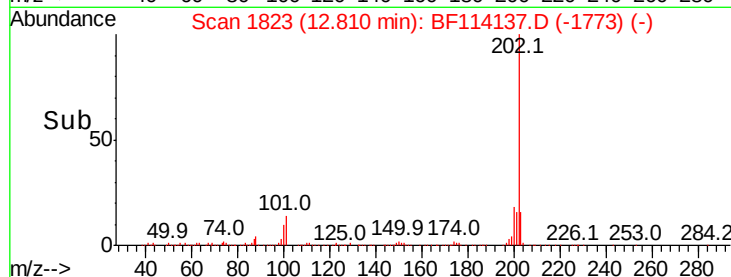
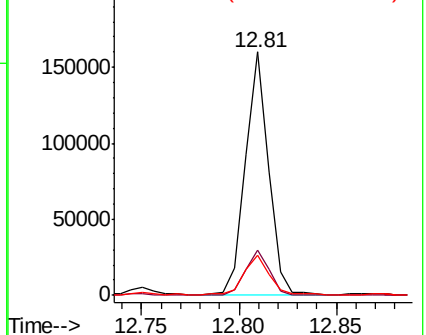
203 16.7 14.5 21.7



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: 47.679 ng

RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

Lab File: BF114137.D

Acq: 10 May 2019 22:47

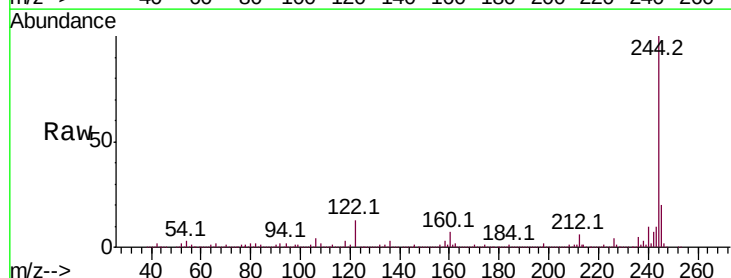
Tgt Ion:244 Resp: 1522696

Ion Ratio Lower Upper

244 100

212 6.5 5.8 8.6

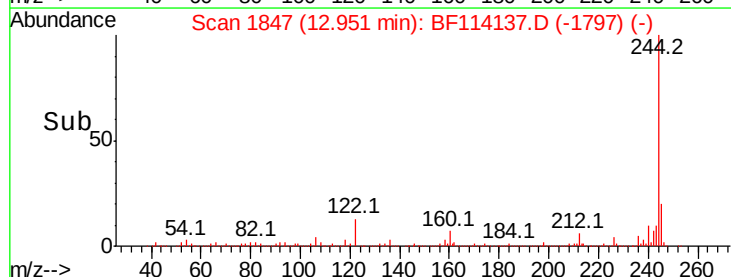
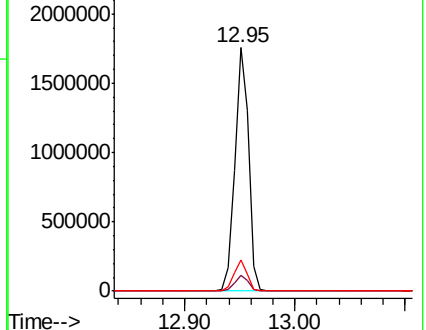
122 13.1 9.4 14.2

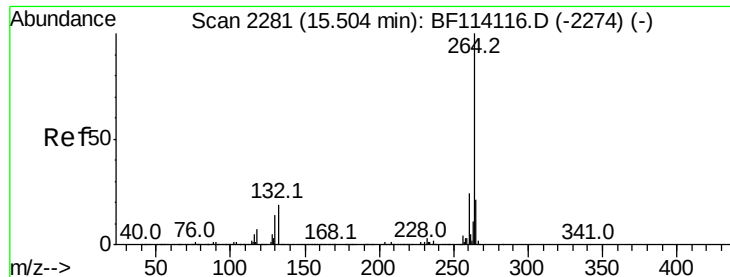


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.47 min Scan# 2276  
Delta R.T. -0.03 min  
Lab File: BF114137.D  
Acq: 10 May 2019 22:47

Instrument :  
BNA\_F  
ClientSampleId :  
P021-SS001-0612-01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 19.4  | 29.0  |
| 265     | 20.8  | 16.9  | 25.3  |

