

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041619\  
 Data File : BF113807.D  
 Acq On : 16 Apr 2019 21:47  
 Operator : JU/SJ  
 Sample : K2203-11 2X  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 17 01:08:36 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 04 04:05:31 2019  
 Response via : Initial Calibration

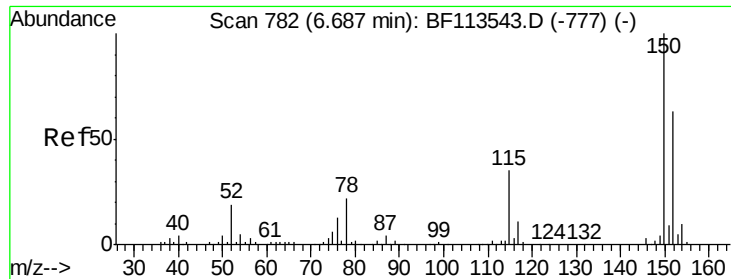
| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.67  | 152  | 54669    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 7.96  | 136  | 183425   | 20.00 | ng    | -0.01    |
| 39) Acenaphthene-d10      | 9.70  | 164  | 75127    | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 11.19 | 188  | 156514   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 13.83 | 240  | 161117   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 15.24 | 264  | 134769   | 20.00 | ng    | -0.01    |

|                             |       |     |        |        |    |       |
|-----------------------------|-------|-----|--------|--------|----|-------|
| System Monitoring Compounds |       |     |        |        |    |       |
| 5) 2-Fluorophenol           | 5.30  | 112 | 320144 | 99.86  | ng | 0.00  |
| 7) Phenol-d6                | 6.34  | 99  | 403052 | 102.00 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.24  | 82  | 208810 | 66.68  | ng | -0.02 |
| 42) 2,4,6-Tribromophenol    | 10.50 | 330 | 88198  | 97.73  | ng | -0.01 |
| 45) 2-Fluorobiphenyl        | 9.03  | 172 | 361107 | 77.38  | ng | -0.02 |
| 79) Terphenyl-d14           | 12.77 | 244 | 425624 | 53.79  | ng | -0.02 |

|                                |       |     |        |         |    |       |
|--------------------------------|-------|-----|--------|---------|----|-------|
| Target Compounds               |       |     |        | Qvalue  |    |       |
| 9) Benzaldehyde                | 6.45  | 77  | 6690   | 2.847   | ng | # 72  |
| 19) n-Nitroso-di-n-propylamine | 7.24  | 70  | 28859  | 11.844  | ng | # 79  |
| 25) Isophorone                 | 7.24  | 82  | 208807 | 34.615  | ng | # 64  |
| 31) Naphthalene                | 7.97  | 128 | 124432 | 14.001  | ng | # 99  |
| 33) 4-Chloroaniline            | 7.97  | 127 | 15172  | 4.305   | ng | # 31  |
| 37) 2-Methylnaphthalene        | 8.67  | 142 | 60810  | 10.403  | ng | # 94  |
| 38) 1-Methylnaphthalene        | 8.77  | 142 | 63208  | 11.214  | ng | # 97  |
| 46) 1,1'-Biphenyl              | 9.13  | 154 | 18792  | 3.031   | ng | # 98  |
| 49) Acenaphthylene             | 9.57  | 152 | 35750  | 4.684   | ng | # 97  |
| 50) Dimethylphthalate          | 9.43  | 163 | 41338  | 7.465   | ng | # 99  |
| 52) Acenaphthene               | 9.73  | 154 | 69654  | 15.942  | ng | # 97  |
| 55) Dibenzofuran               | 9.92  | 168 | 67271  | 10.496  | ng | # 93  |
| 58) Fluorene                   | 10.25 | 166 | 128862 | 25.421  | ng | # 100 |
| 67) 4-Bromophenyl-phenylether  | 10.50 | 248 | 4587   | 2.613   | ng | # 1   |
| 71) Phenanthrene               | 11.21 | 178 | 799276 | 102.771 | ng | # 99  |
| 72) Anthracene                 | 11.27 | 178 | 248983 | 31.466  | ng | # 98  |
| 73) Carbazole                  | 11.43 | 167 | 60466  | 8.170   | ng | # 98  |
| 75) Fluoranthene               | 12.40 | 202 | 780245 | 93.623  | ng | # 98  |
| 78) Pvrene                     | 12.63 | 202 | 769809 | 62.794  | ng | # 99  |
| 81) Benzo(a)anthracene         | 13.82 | 228 | 305205 | 32.839  | ng | # 98  |
| 83) Chrysene                   | 13.85 | 228 | 273294 | 29.007  | ng | # 98  |
| 86) Indeno(1,2,3-cd)pyrene     | 16.62 | 276 | 80891  | 9.299   | ng | # 92  |
| 88) Benzo(b)fluoranthene       | 14.84 | 252 | 322586 | 39.104  | ng | # 97  |
| 89) Benzo(k)fluoranthene       | 14.84 | 252 | 322586 | 43.571  | ng | # 96  |
| 90) Benzo(a)pyrene             | 15.19 | 252 | 185329 | 25.282  | ng | # 99  |
| 91) Dibenzo(a,h)anthracene     | 16.61 | 278 | 19826  | 2.892   | ng | # 72  |
| 92) Benzo(g,h,i)perylene       | 17.03 | 276 | 78014  | 11.150  | ng | # 97  |

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



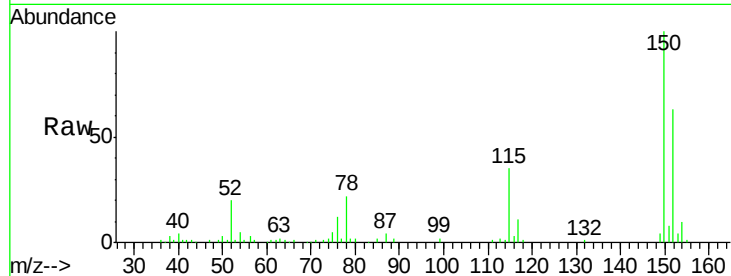


#1

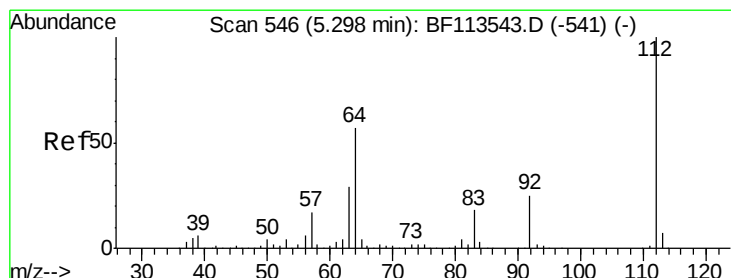
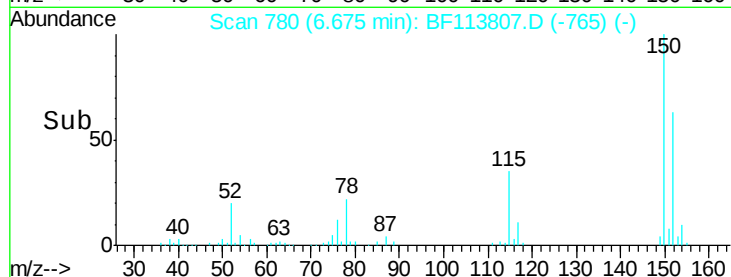
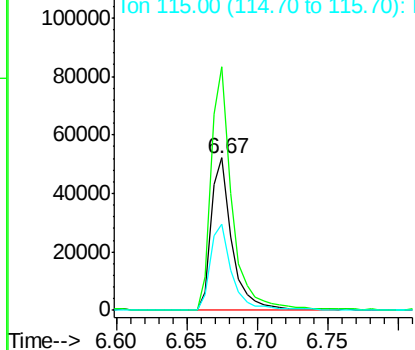
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.67 min Scan# 780  
Delta R.T. -0.01 min  
Lab File: BF113807.D  
Acq: 16 Apr 2019 21:47

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 54669  
Ion Ratio Lower Upper  
152 100  
150 159.7 124.7 187.1  
115 56.7 46.0 69.0



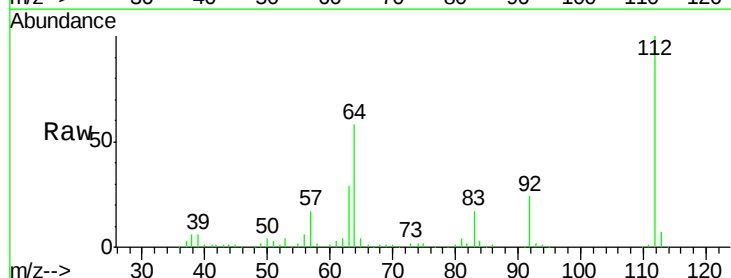
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



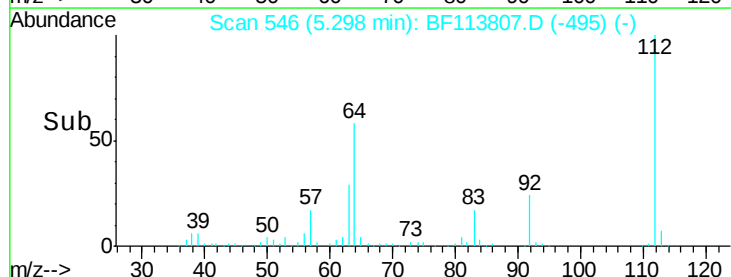
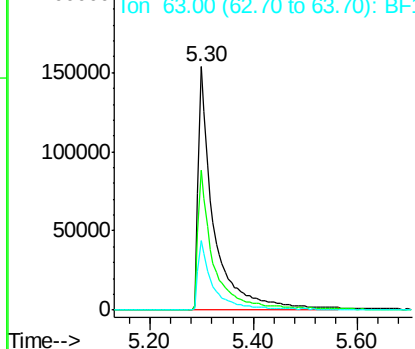
#5

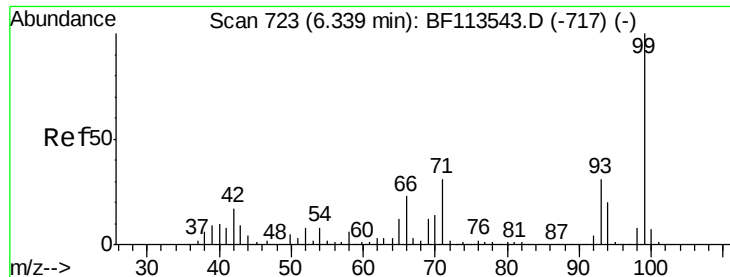
2-Fluorophenol  
Concen: 99.859 ng  
RT: 5.30 min Scan# 546  
Delta R.T. 0.00 min  
Lab File: BF113807.D  
Acq: 16 Apr 2019 21:47

Tgt Ion:112 Resp: 320144  
Ion Ratio Lower Upper  
112 100  
64 57.7 49.2 73.8  
63 28.6 24.9 37.3



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: 102.003 ng

RT: 6.34 min Scan# 723

Delta R.T. 0.00 min

Lab File: BF113807.D

Acq: 16 Apr 2019 21:47

Instrument :

BNA\_F

ClientSampled :

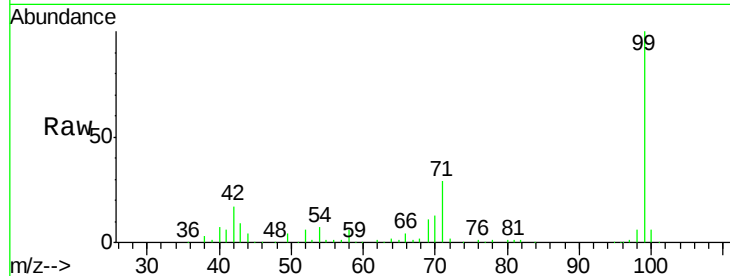
Tot Ion: 99 Resp: 403052

Ion Ratio Lower Upper

99 100

42 17.5 14.8 22.2

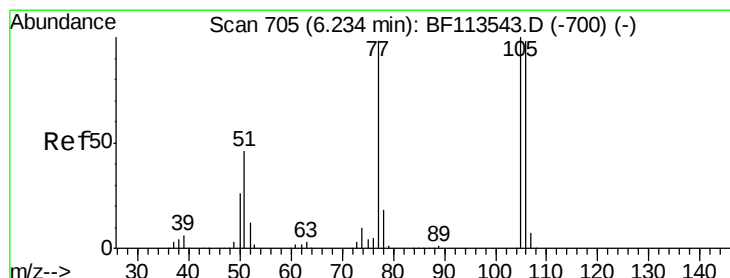
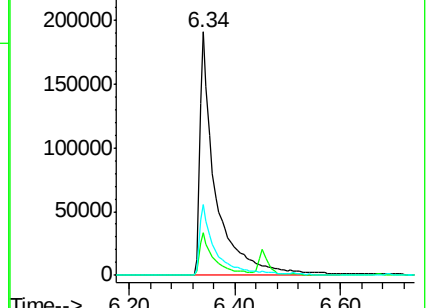
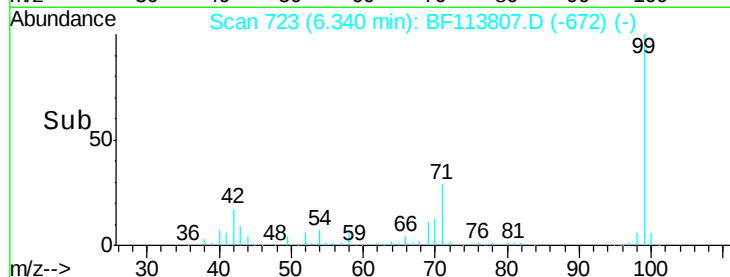
71 29.3 24.9 37.3



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



#9

Benzaldehyde

Concen: 2.847 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.22 min

Lab File: BF113807.D

Acq: 16 Apr 2019 21:47

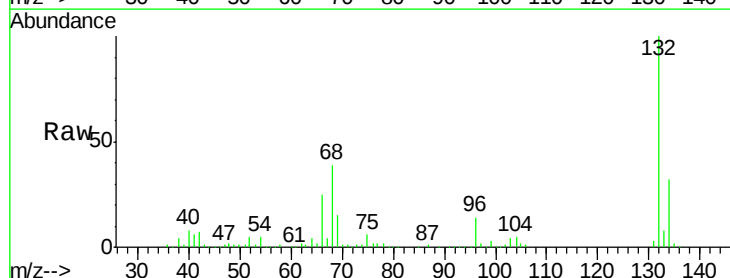
Tgt Ion: 77 Resp: 6690

Ion Ratio Lower Upper

77 100

105 76.9 80.9 120.9#

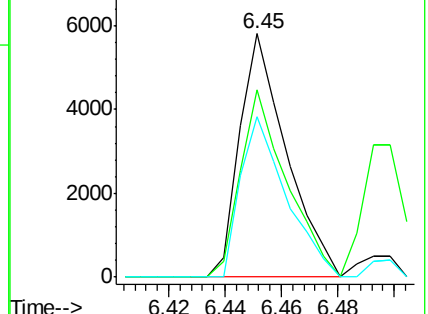
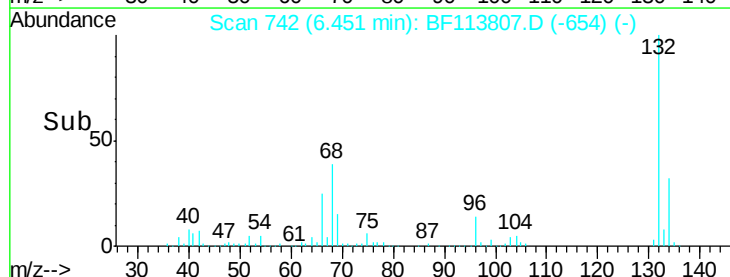
106 66.1 77.8 117.8#

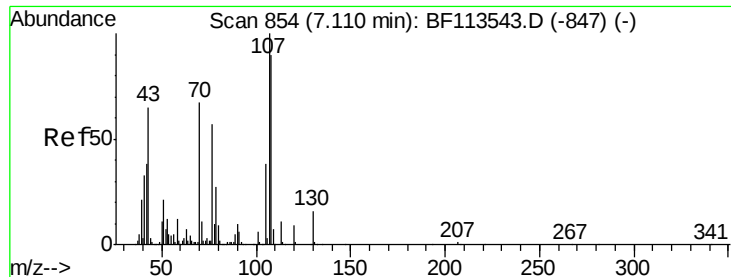


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 11.844 ng

RT: 7.24 min Scan# 876

Delta R.T. 0.13 min

Lab File: BF113807.D

Acq: 16 Apr 2019 21:47

Instrument :

BNA\_F

ClientSampled :

Tot Ion: 70 Resp: 28859

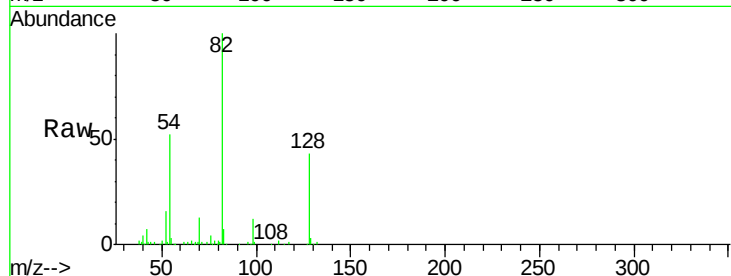
Ion Ratio Lower Upper

70 100

42 51.0 48.4 72.6

101 0.0 7.8 11.8#

130 2.5 18.2 27.4#



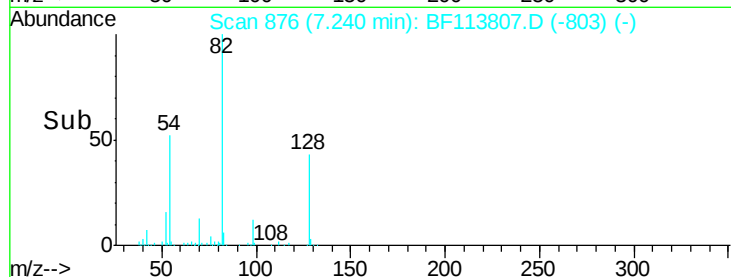
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

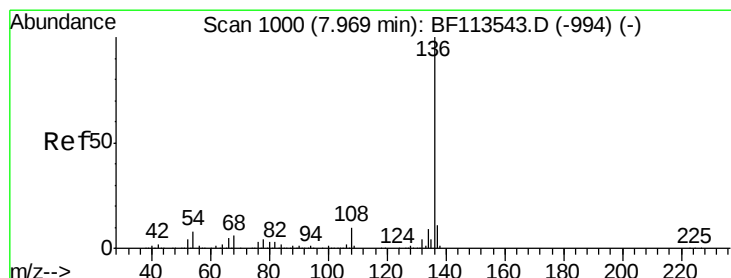
Ion 130.00 (129.70 to 130.70): BF1

Time-->



Abundance

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.96 min Scan# 998

Delta R.T. -0.01 min

Lab File: BF113807.D

Acq: 16 Apr 2019 21:47

Tgt Ion: 136 Resp: 183425

Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 7.2 7.0 10.6

68 5.7 4.8 7.2

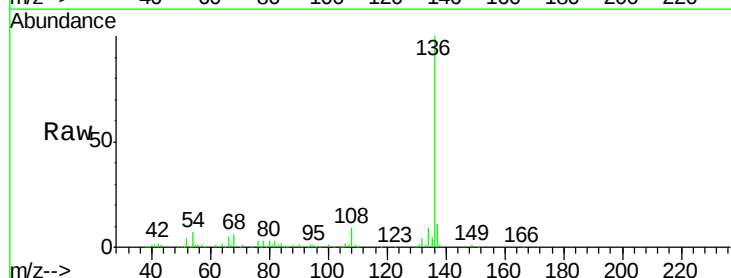
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

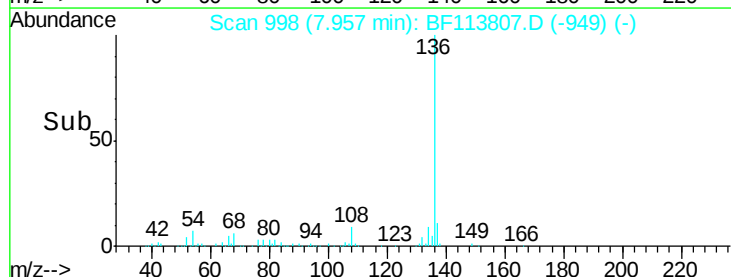
Ion 68.00 (67.70 to 68.70): BF1

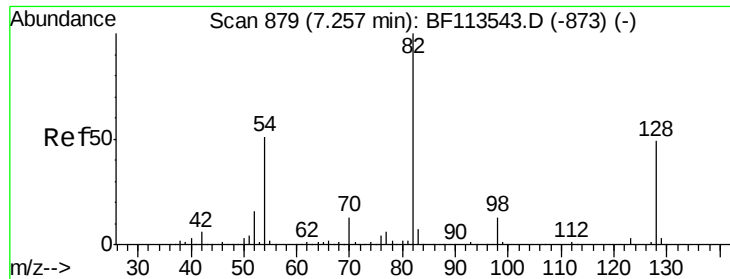
Time-->



Abundance

Time-->

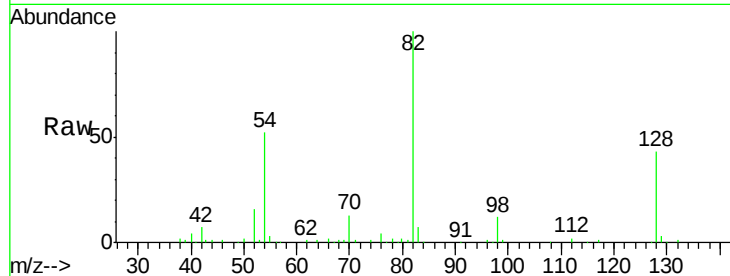




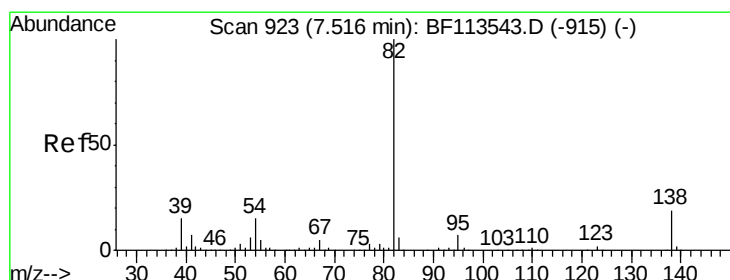
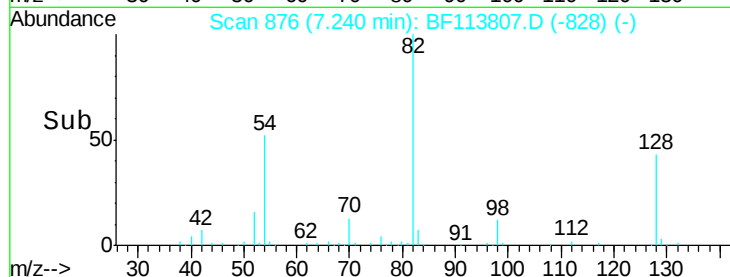
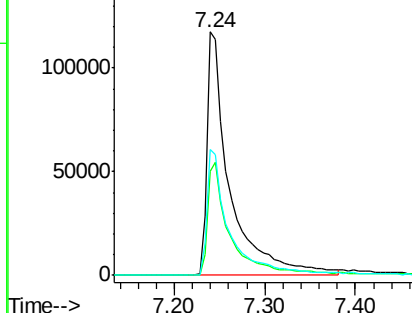
#23  
Nitrobenzene-d5  
Concen: 66.682 ng  
RT: 7.24 min Scan# 876  
Delta R.T. -0.02 min  
Lab File: BF113807.D  
Acq: 16 Apr 2019 21:47

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 208810  
Ion Ratio Lower Upper  
82 100  
128 42.8 36.5 54.7  
54 51.6 42.2 63.2

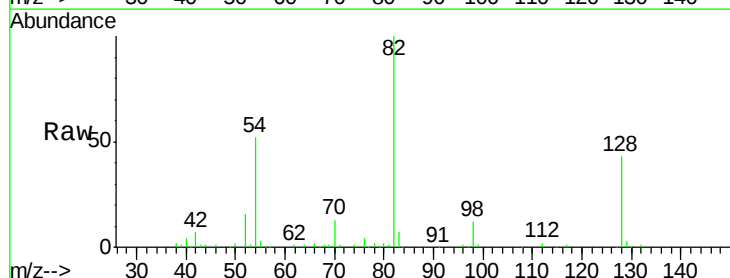


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

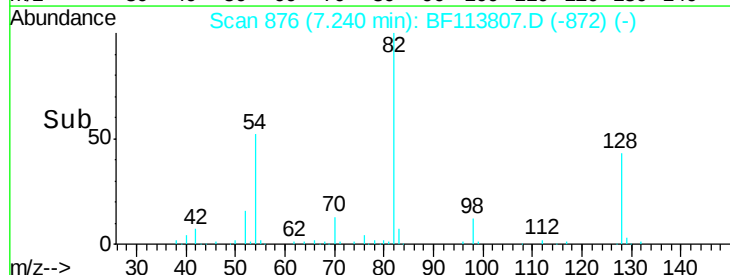
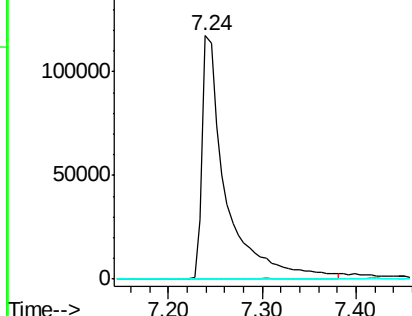


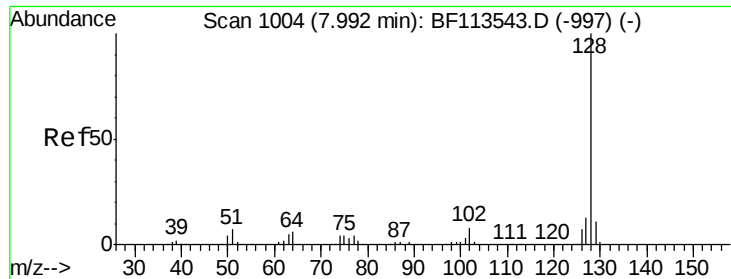
#25  
Isophorone  
Concen: 34.615 ng  
RT: 7.24 min Scan# 876  
Delta R.T. -0.28 min  
Lab File: BF113807.D  
Acq: 16 Apr 2019 21:47

Tgt Ion: 82 Resp: 208807  
Ion Ratio Lower Upper  
82 100  
95 0.0 5.5 8.3#  
138 0.0 15.2 22.8#



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

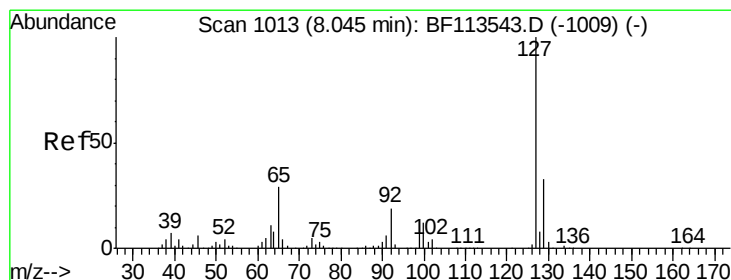
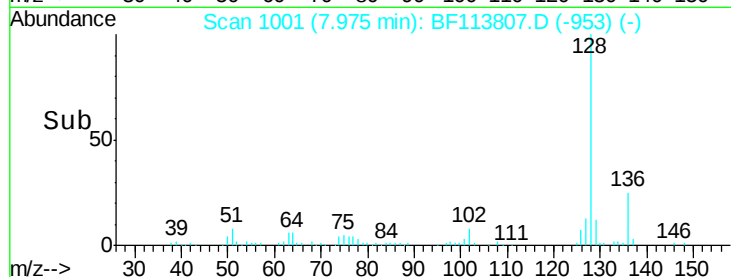
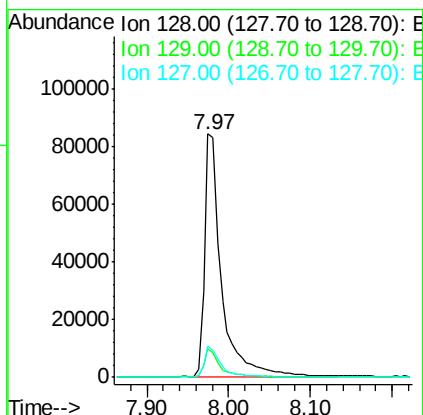
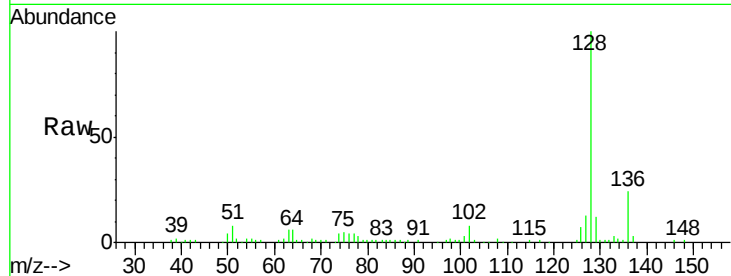




#31  
Naphthalene  
Concen: 14.001 ng  
RT: 7.97 min Scan# 1001  
Delta R.T. -0.02 min  
Lab File: BF113807.D  
Acq: 16 Apr 2019 21:47

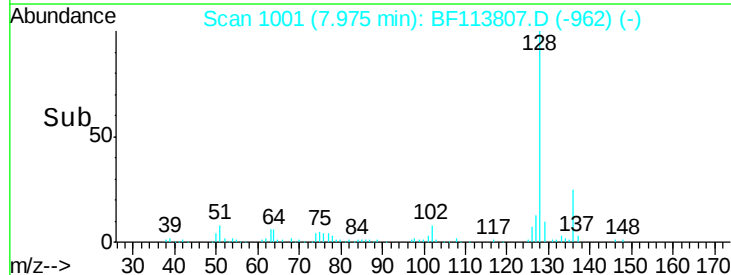
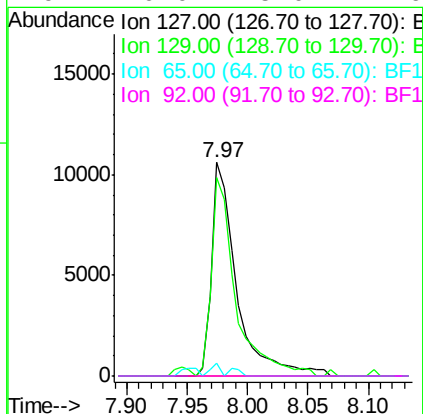
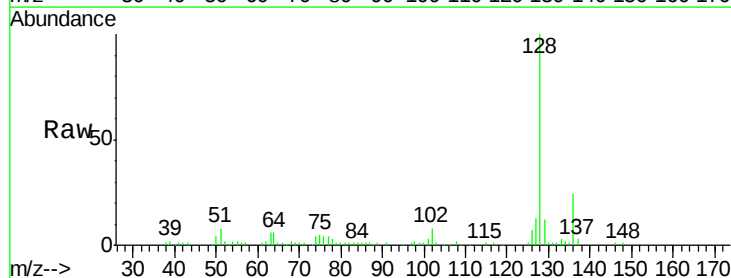
Instrument :  
BNA\_F  
ClientSampled :

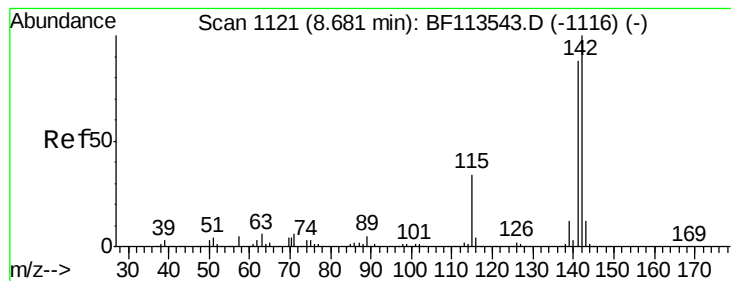
Tot Ion:128 Resp: 124432  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.3 13.9  
127 12.6 10.9 16.3



#33  
4-Chloroaniline  
Concen: 4.305 ng  
RT: 7.97 min Scan# 1001  
Delta R.T. -0.07 min  
Lab File: BF113807.D  
Acq: 16 Apr 2019 21:47

Tgt Ion:127 Resp: 15172  
Ion Ratio Lower Upper  
127 100  
129 92.7 26.3 39.5#  
65 5.8 24.2 36.4#  
92 0.0 15.0 22.6#

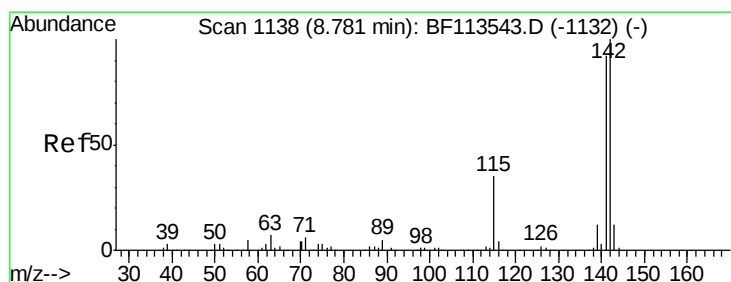
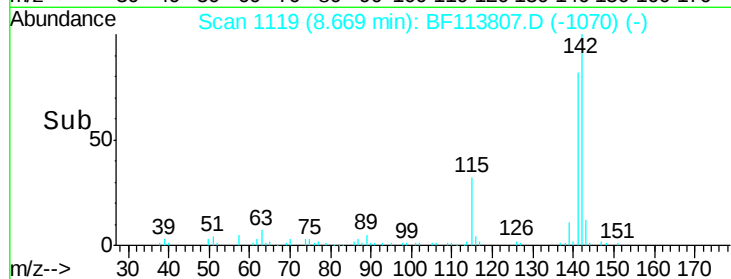
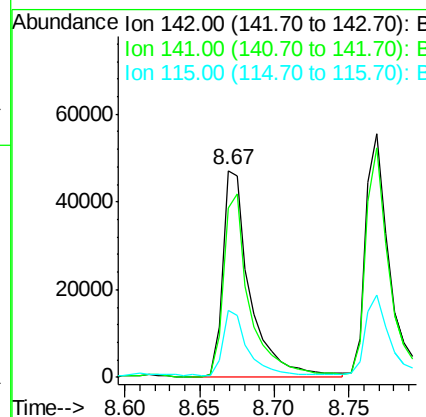
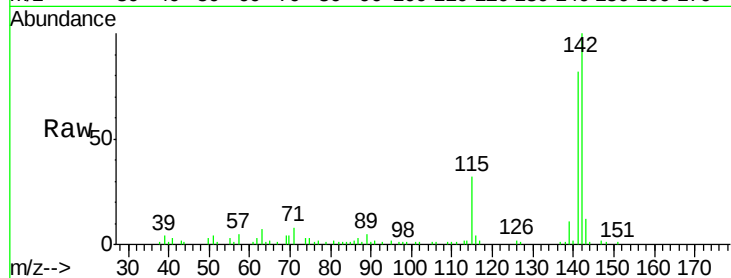




#37  
2-Methylnaphthalene  
Concen: 10.403 ng  
RT: 8.67 min Scan# 1119  
Delta R.T. -0.01 min  
Lab File: BF113807.D  
Acq: 16 Apr 2019 21:47

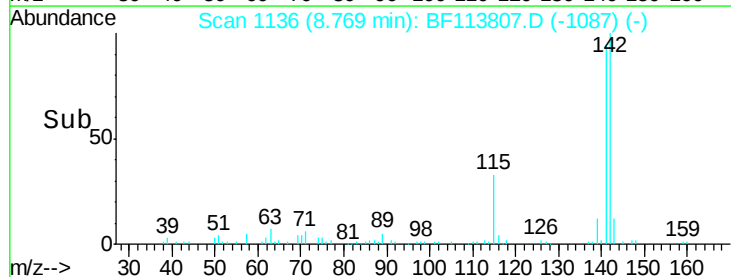
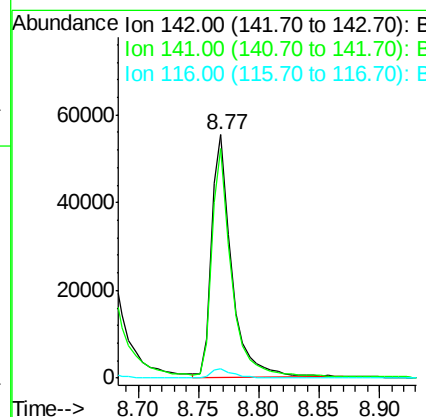
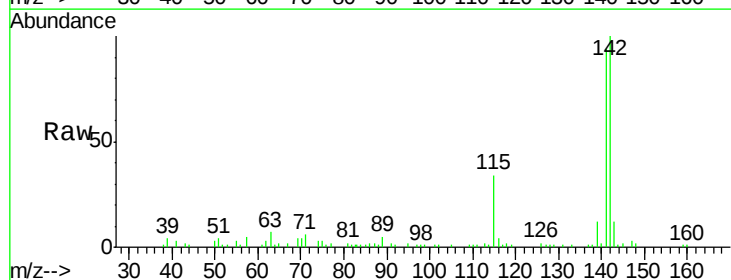
Instrument :  
BNA\_F  
ClientSampleId :

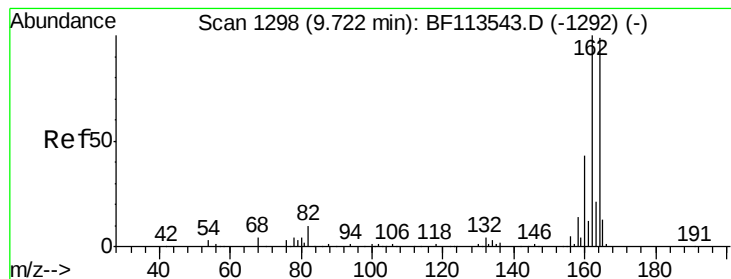
Tot Ion:142 Resp: 60810  
Ion Ratio Lower Upper  
142 100  
141 81.7 71.0 106.6  
115 32.1 26.6 39.8



#38  
1-Methylnaphthalene  
Concen: 11.214 ng  
RT: 8.77 min Scan# 1136  
Delta R.T. -0.01 min  
Lab File: BF113807.D  
Acq: 16 Apr 2019 21:47

Tgt Ion:142 Resp: 63208  
Ion Ratio Lower Upper  
142 100  
141 94.4 73.2 109.8  
116 4.0 3.0 4.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF113807.D

Acq: 16 Apr 2019 21:47

Instrument :

BNA\_F

ClientSampleId :

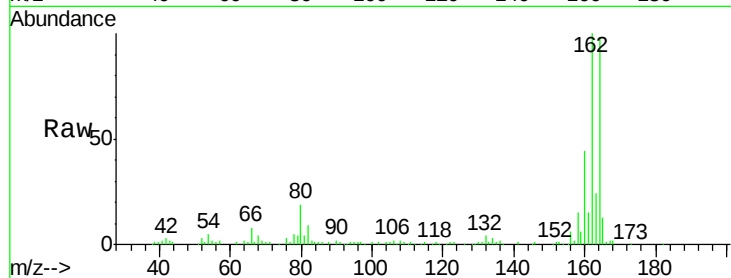
Tot Ion:164 Resp: 75127

Ion Ratio Lower Upper

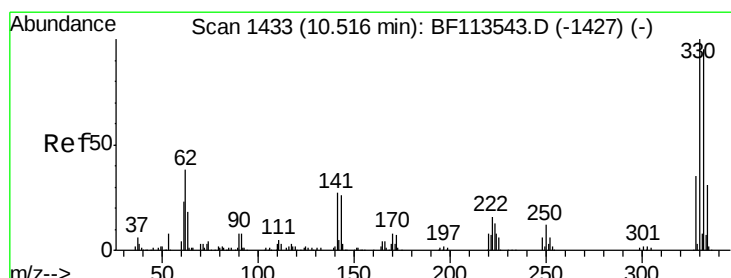
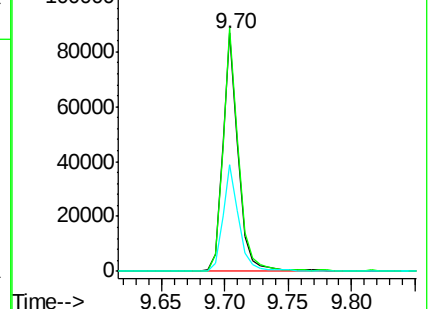
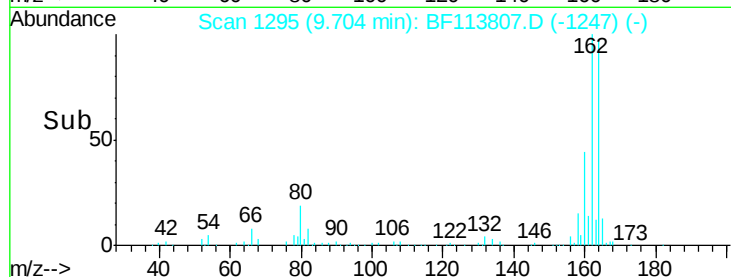
164 100

162 102.2 81.8 122.6

160 44.8 36.4 54.6



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: 97.731 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BF113807.D

Acq: 16 Apr 2019 21:47

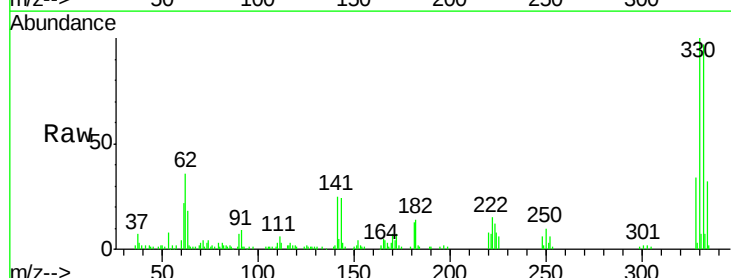
Tgt Ion:330 Resp: 88198

Ion Ratio Lower Upper

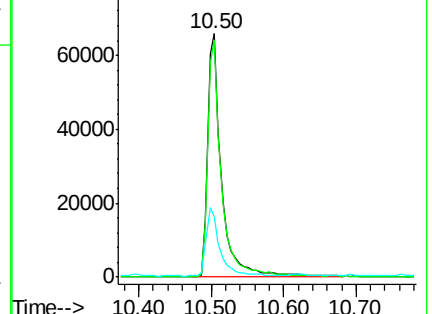
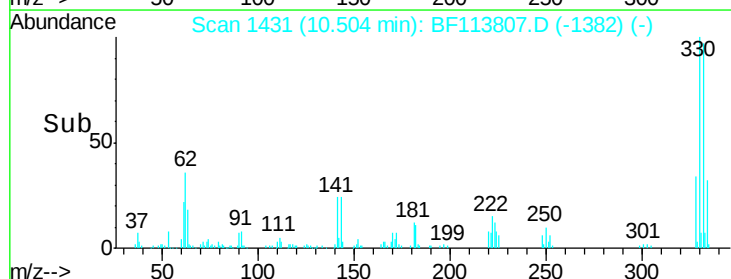
330 100

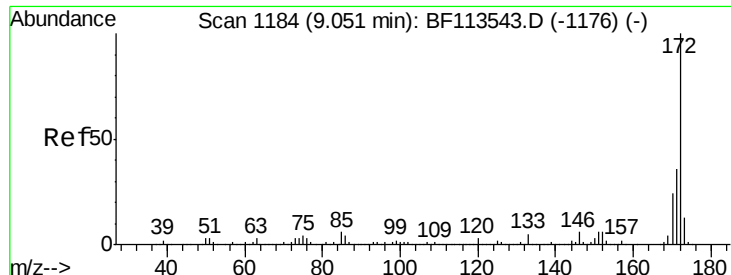
332 95.3 77.8 116.6

141 29.9 22.7 34.1



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

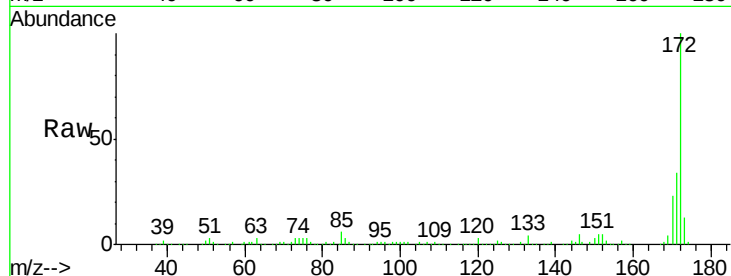




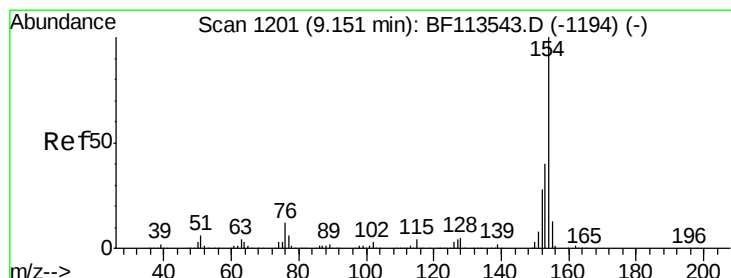
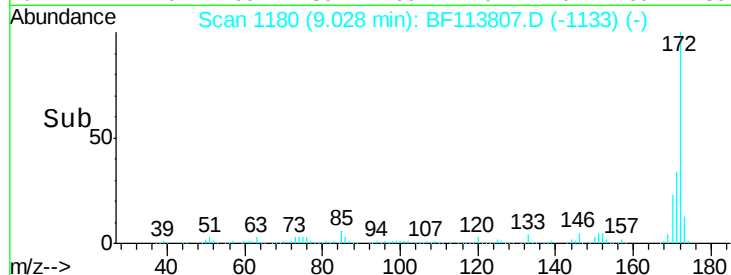
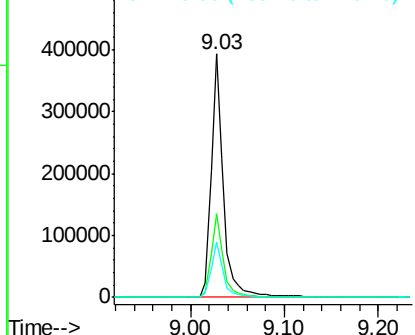
#45  
2-Fluorobiphenyl  
Concen: 77.381 ng  
RT: 9.03 min Scan# 1180  
Delta R.T. -0.02 min  
Lab File: BF113807.D  
Acq: 16 Apr 2019 21:47

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 361107  
Ion Ratio Lower Upper  
172 100  
171 34.5 29.0 43.6  
170 22.8 19.5 29.3

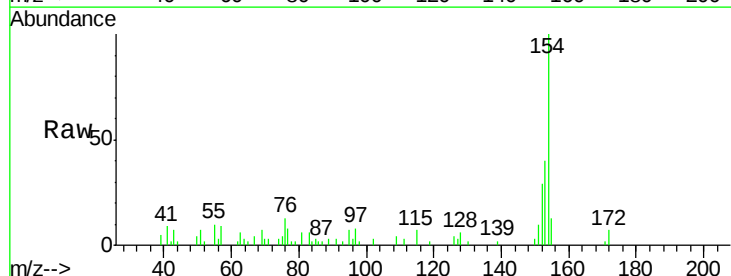


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

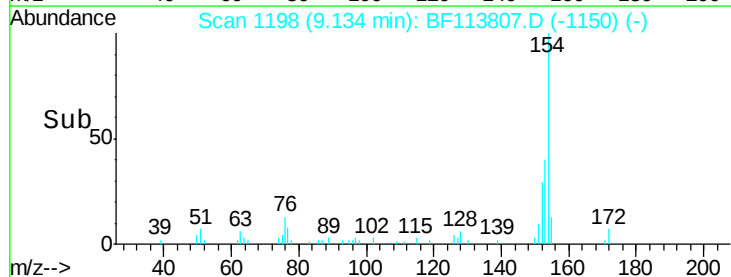
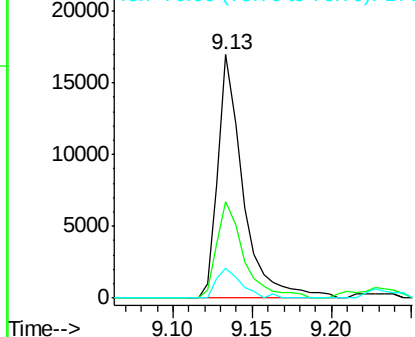


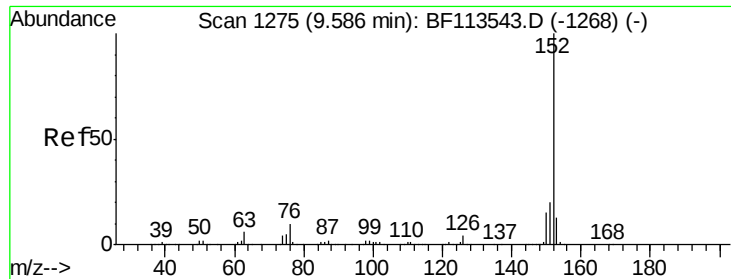
#46  
1,1'-Biphenyl  
Concen: 3.031 ng  
RT: 9.13 min Scan# 1198  
Delta R.T. -0.02 min  
Lab File: BF113807.D  
Acq: 16 Apr 2019 21:47

Tgt Ion:154 Resp: 18792  
Ion Ratio Lower Upper  
154 100  
153 39.6 20.8 60.8  
76 12.5 0.0 31.9



Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 76.00 (75.70 to 76.70): BF1





#49

Acenaphthylene

Concen: 4.684 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF113807.D

Acq: 16 Apr 2019 21:47

Instrument :

BNA\_F

ClientSampleId :

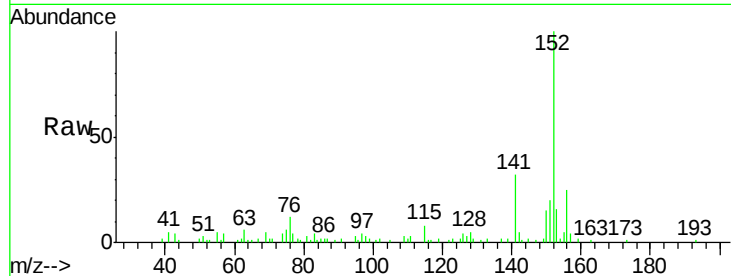
Tot Ion:152 Resp: 35750

Ion Ratio Lower Upper

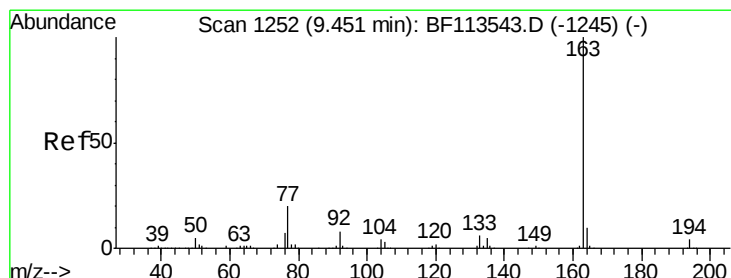
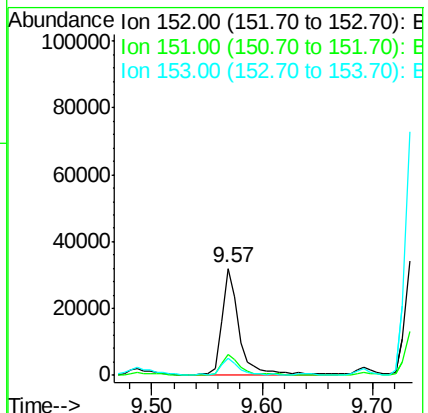
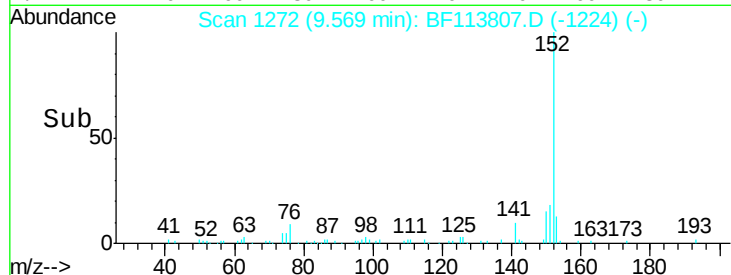
152 100

151 19.9 16.2 24.4

153 16.4 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 151.00 (150.70 to 151.70): E  
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 7.465 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.02 min

Lab File: BF113807.D

Acq: 16 Apr 2019 21:47

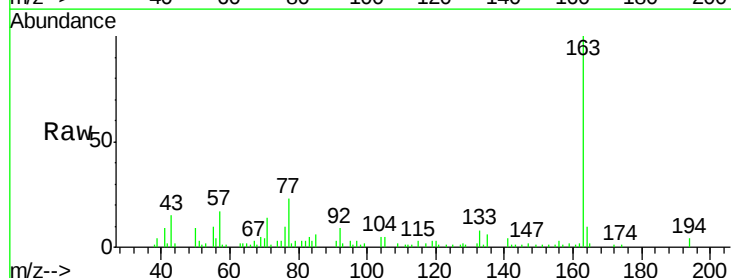
Tgt Ion:163 Resp: 41338

Ion Ratio Lower Upper

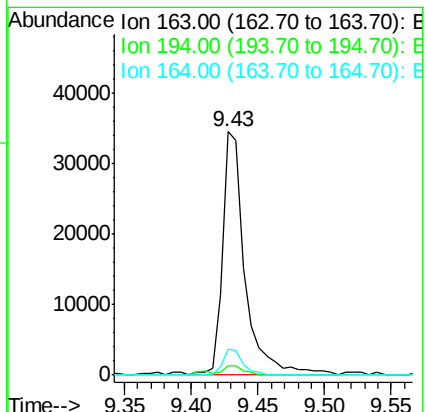
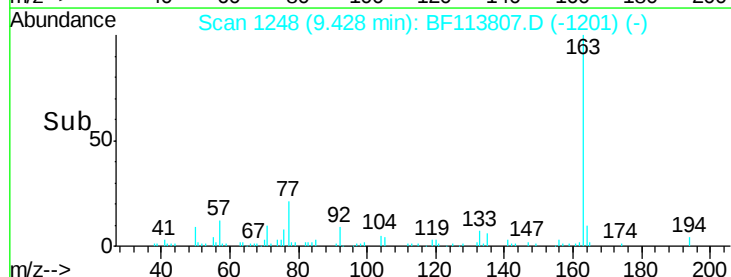
163 100

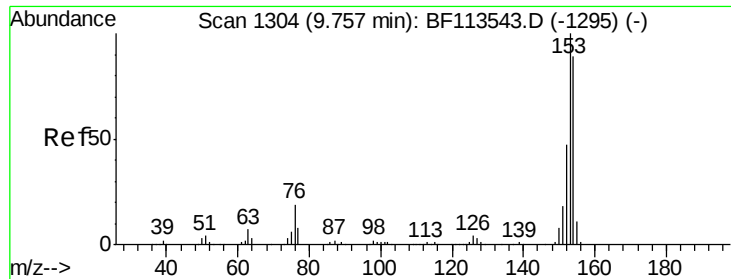
194 4.0 3.0 4.6

164 10.4 8.1 12.1



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





#52

Acenaphthene

Concen: 15.942 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF113807.D

Acq: 16 Apr 2019 21:47

Instrument :

BNA\_F

ClientSampleId :

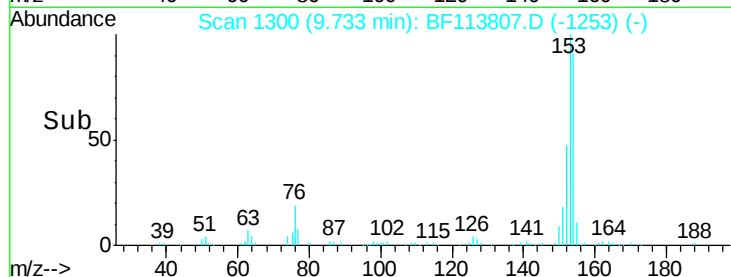
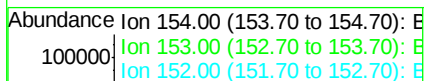
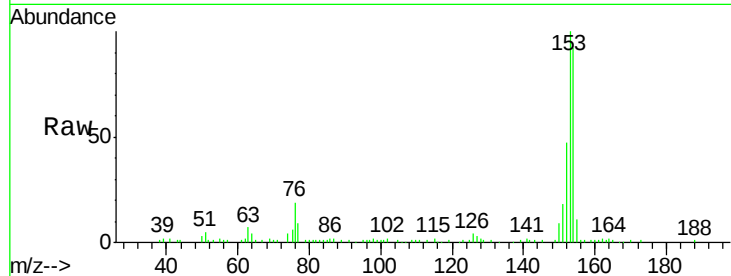
Tot Ion:154 Resp: 69654

Ion Ratio Lower Upper

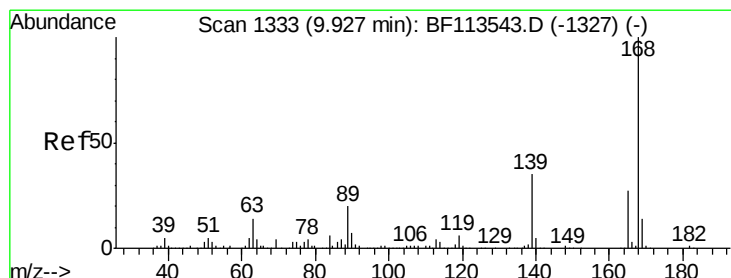
154 100

153 108.7 89.5 134.3

152 51.1 43.3 64.9



Time-->



#55

Dibenzofuran

Concen: 10.496 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF113807.D

Acq: 16 Apr 2019 21:47

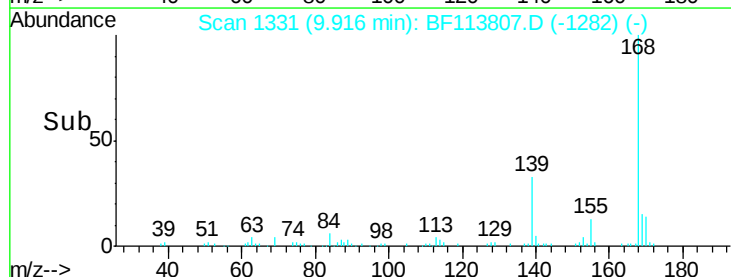
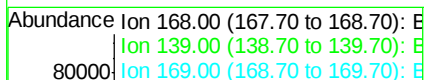
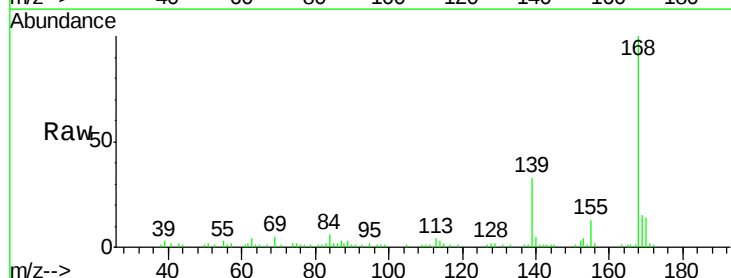
Tgt Ion:168 Resp: 67271

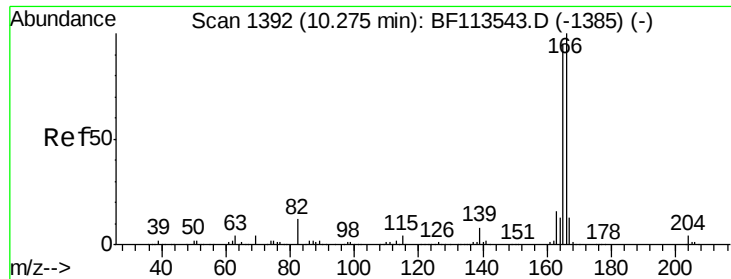
Ion Ratio Lower Upper

168 100

139 32.8 29.7 44.5

169 15.5 10.7 16.1





#58

Fluorene

Concen: 25.421 ng

RT: 10.25 min Scan# 1388

Delta R.T. -0.02 min

Lab File: BF113807.D

Acq: 16 Apr 2019 21:47

Instrument :

BNA\_F

ClientSampleId :

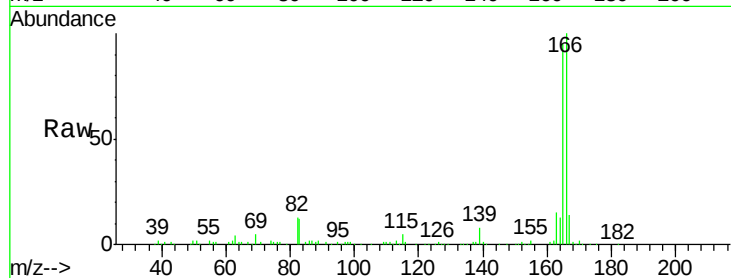
Tot Ion:166 Resp: 128862

Ion Ratio Lower Upper

166 100

165 95.0 76.2 114.2

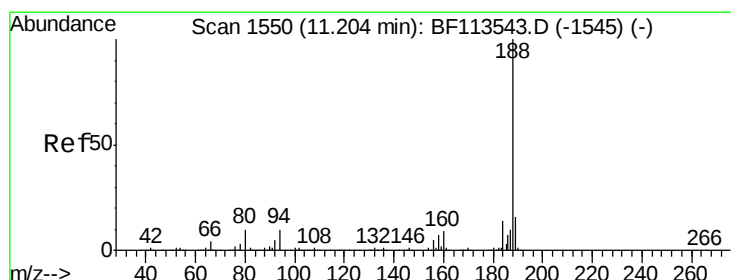
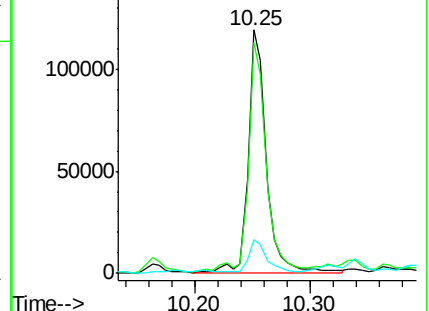
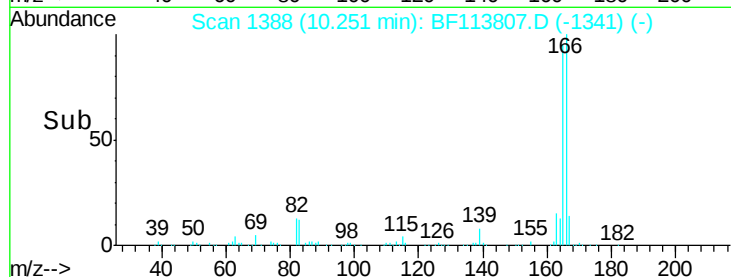
167 14.0 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1547

Delta R.T. -0.02 min

Lab File: BF113807.D

Acq: 16 Apr 2019 21:47

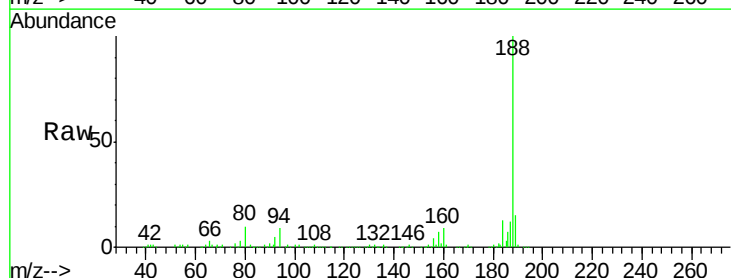
Tgt Ion:188 Resp: 156514

Ion Ratio Lower Upper

188 100

94 8.7 7.0 10.6

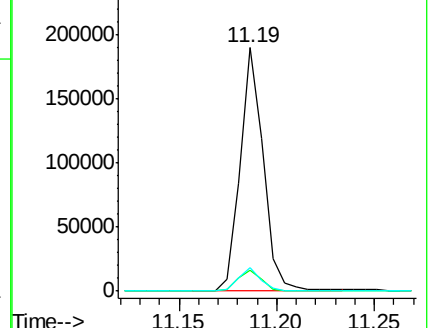
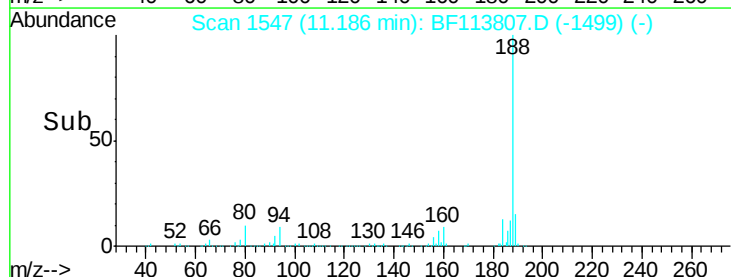
80 9.7 7.7 11.5

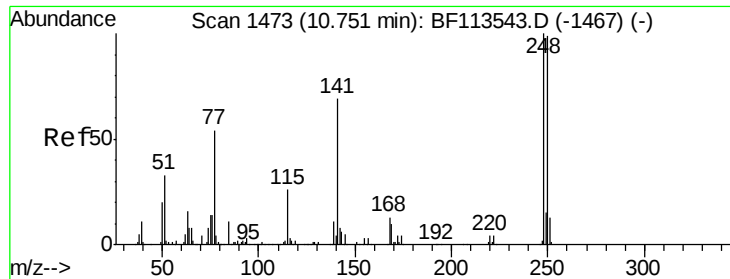


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

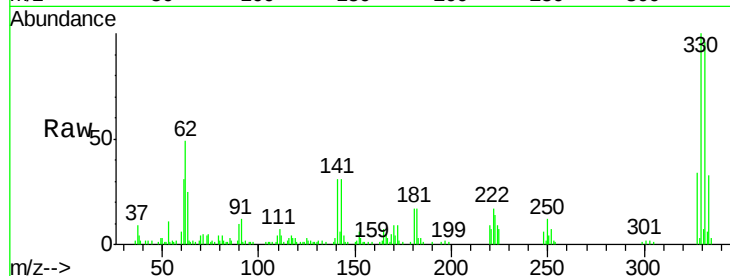




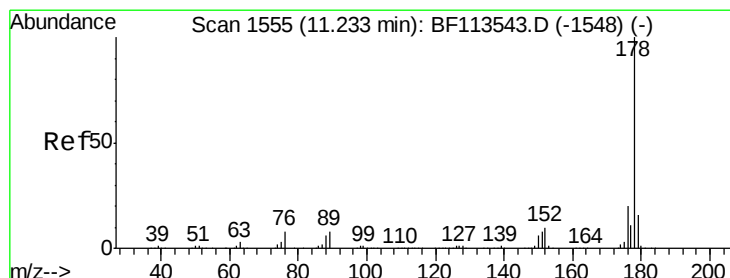
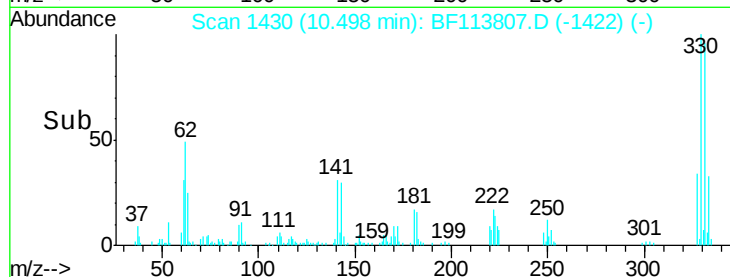
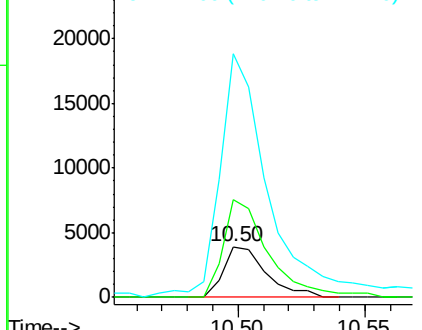
#67  
 4-Bromophenyl-phenylether  
 Concen: 2.613 ng  
 RT: 10.50 min Scan# 1430  
 Delta R.T. -0.25 min  
 Lab File: BF113807.D  
 Acq: 16 Apr 2019 21:47

Instrument :  
 BNA\_F  
 ClientSampled :

Tot Ion:248 Resp: 4587  
 Ion Ratio Lower Upper  
 248 100  
 250 249.7 78.3 117.5#  
 141 483.4 56.2 84.4#

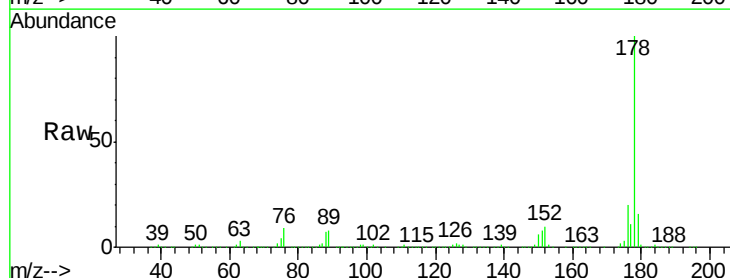


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

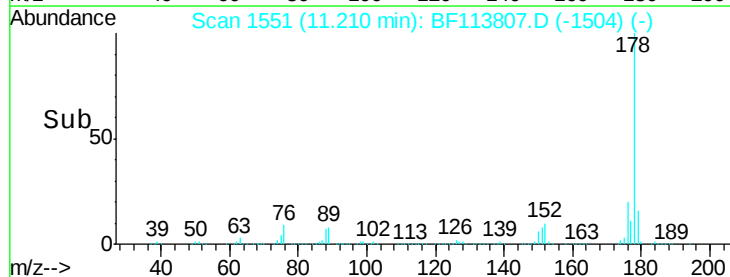
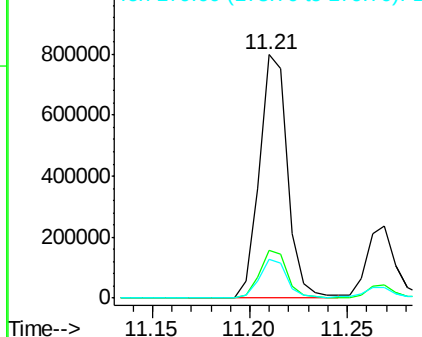


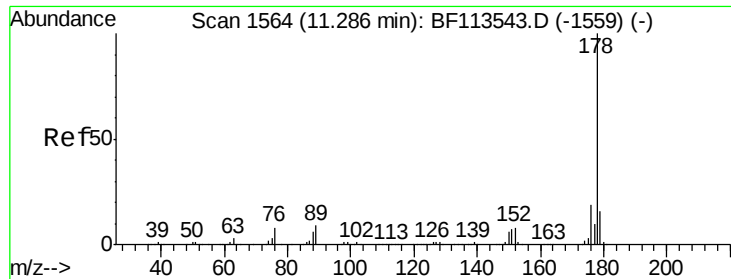
#71  
 Phenanthrene  
 Concen: 102.771 ng  
 RT: 11.21 min Scan# 1551  
 Delta R.T. -0.02 min  
 Lab File: BF113807.D  
 Acq: 16 Apr 2019 21:47

Tgt Ion:178 Resp: 799276  
 Ion Ratio Lower Upper  
 178 100  
 176 19.6 16.2 24.2  
 179 16.2 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E

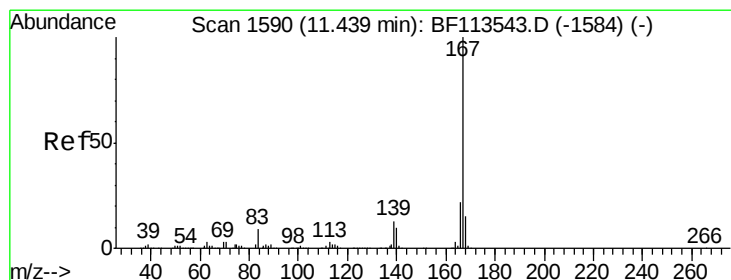
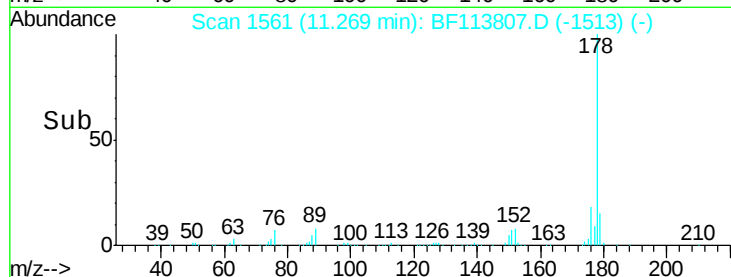
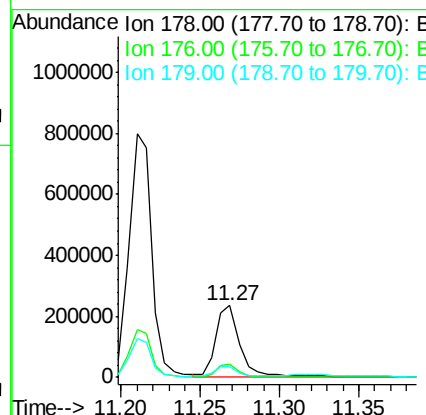
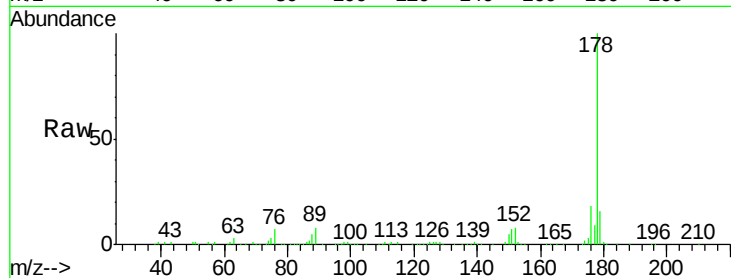




#72  
 Anthracene  
 Concen: 31.466 ng  
 RT: 11.27 min Scan# 1561  
 Delta R.T. -0.02 min  
 Lab File: BF113807.D  
 Acq: 16 Apr 2019 21:47

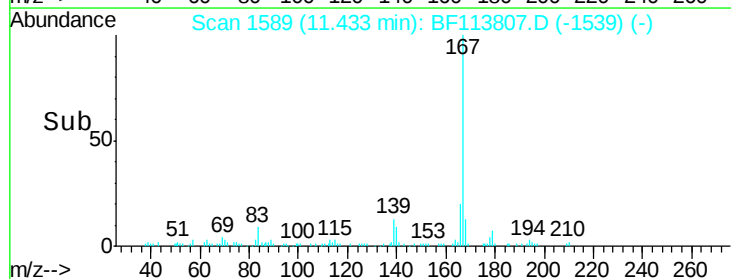
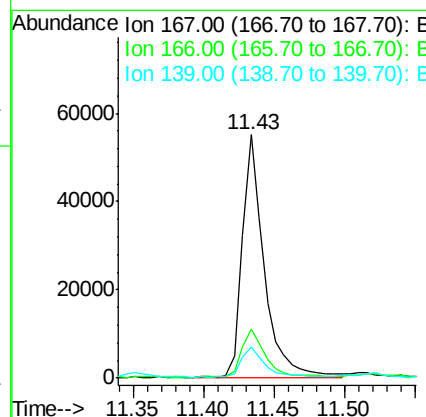
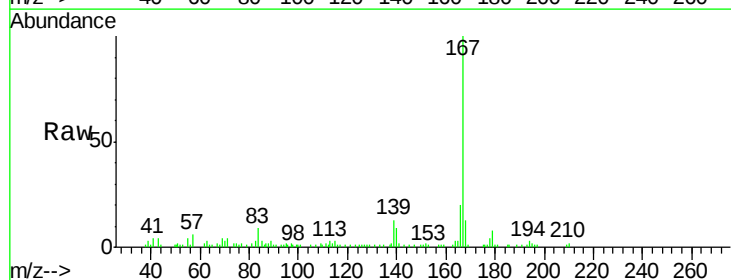
Instrument :  
 BNA\_F  
 ClientSampleId :

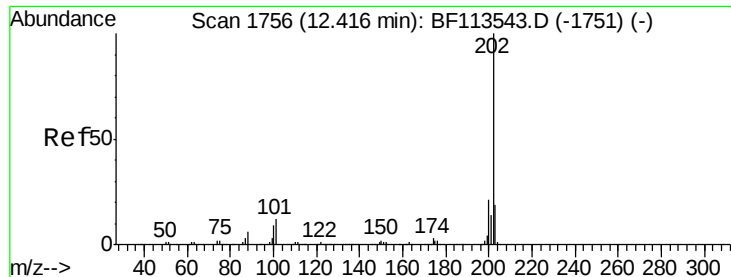
Tot Ion:178 Resp: 248983  
 Ion Ratio Lower Upper  
 178 100  
 176 18.1 15.4 23.2  
 179 15.7 12.8 19.2



#73  
 Carbazole  
 Concen: 8.170 ng  
 RT: 11.43 min Scan# 1589  
 Delta R.T. -0.01 min  
 Lab File: BF113807.D  
 Acq: 16 Apr 2019 21:47

Tgt Ion:167 Resp: 60466  
 Ion Ratio Lower Upper  
 167 100  
 166 20.3 17.4 26.0  
 139 12.7 10.4 15.6





#75

Fluoranthene

Concen: 93.623 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113807.D

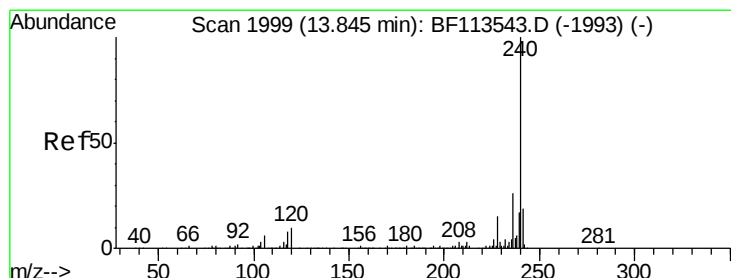
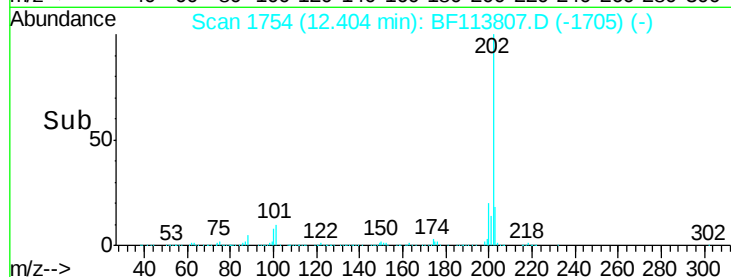
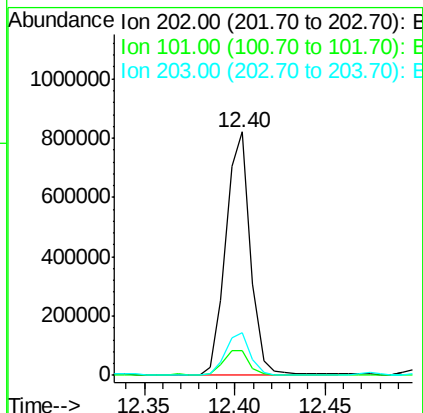
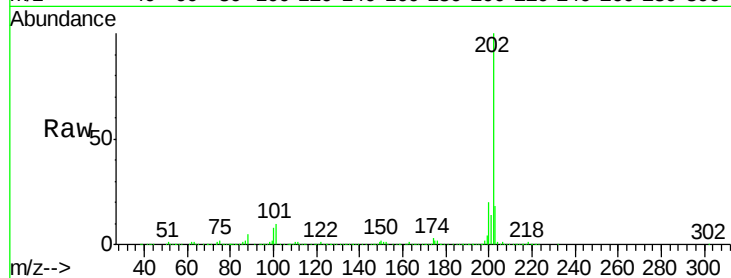
Acq: 16 Apr 2019 21:47

Instrument :

BNA\_F

ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 202   | Resp: | 780245 |
| Ion      | Ratio | Lower | Upper  |
| 202      | 100   |       |        |
| 101      | 10.1  | 0.0   | 31.4   |
| 203      | 17.6  | 0.0   | 38.0   |



#76

Chrysene-d12

Concen: 20.000 ng

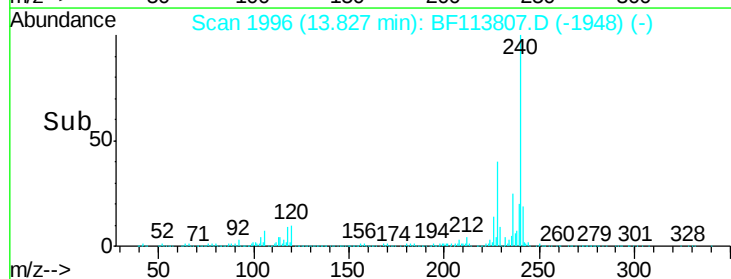
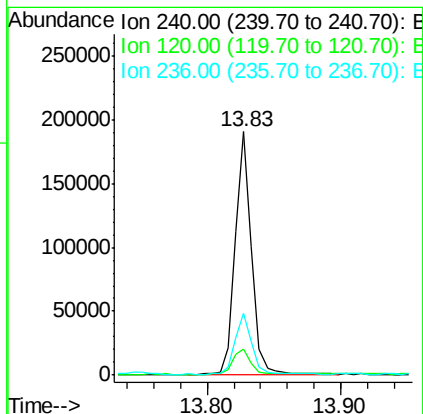
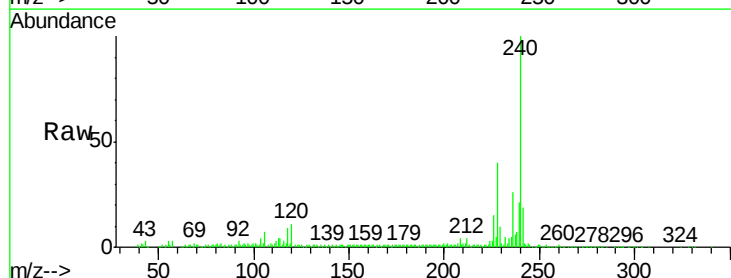
RT: 13.83 min Scan# 1996

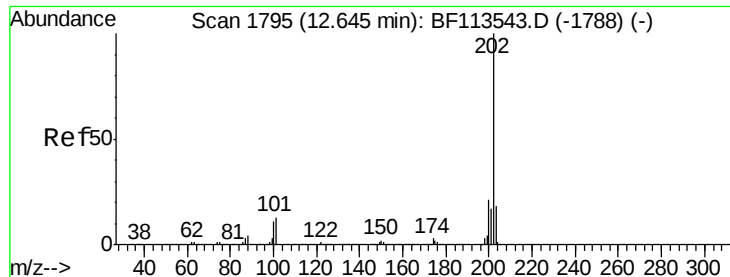
Delta R.T. -0.02 min

Lab File: BF113807.D

Acq: 16 Apr 2019 21:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 161117 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 10.8  | 8.8   | 13.2   |
| 236      | 25.5  | 20.9  | 31.3   |





#78

Pvrene

Concen: 62.794 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BF113807.D

Acq: 16 Apr 2019 21:47

Instrument :

BNA\_F

ClientSampled :

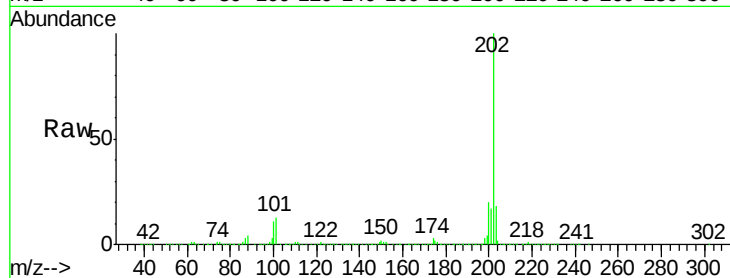
Tot Ion:202 Resp: 769809

Ion Ratio Lower Upper

202 100

200 20.3 16.8 25.2

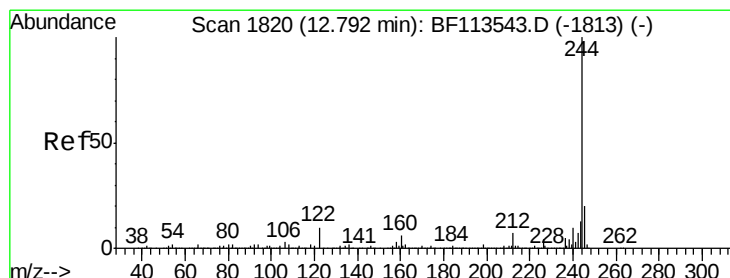
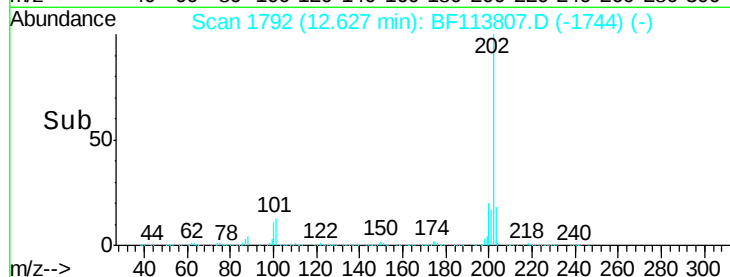
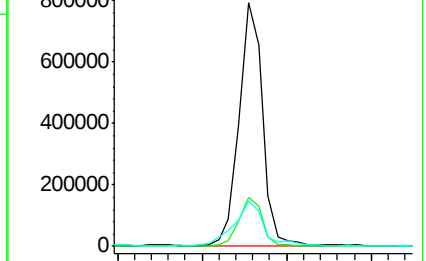
203 18.4 14.4 21.6



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: 53.786 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF113807.D

Acq: 16 Apr 2019 21:47

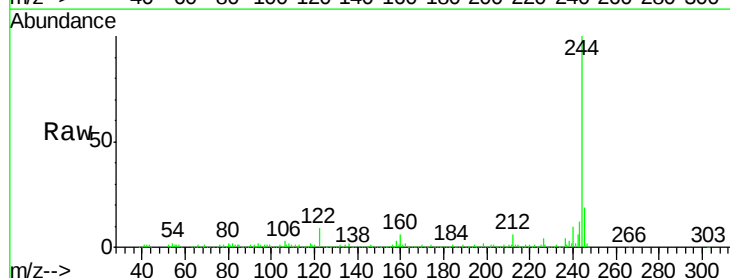
Tgt Ion:244 Resp: 425624

Ion Ratio Lower Upper

244 100

212 6.3 5.5 8.3

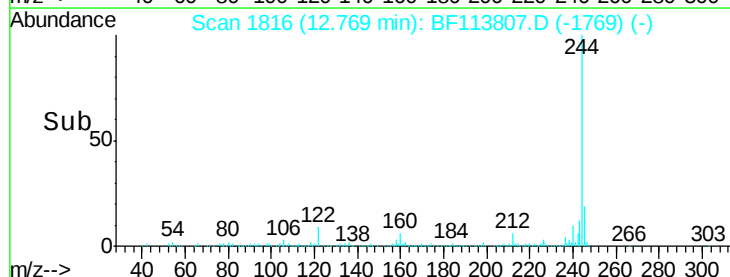
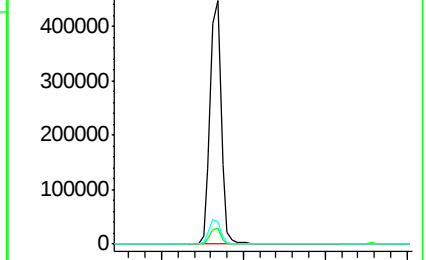
122 9.2 8.6 13.0

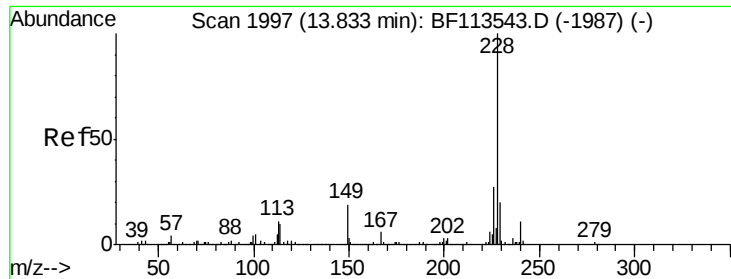


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

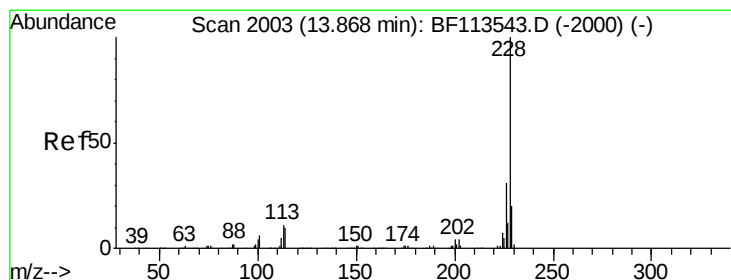
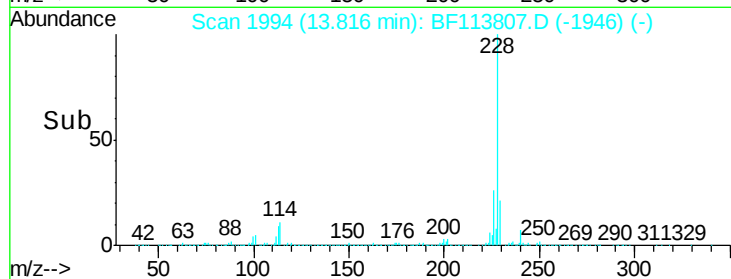
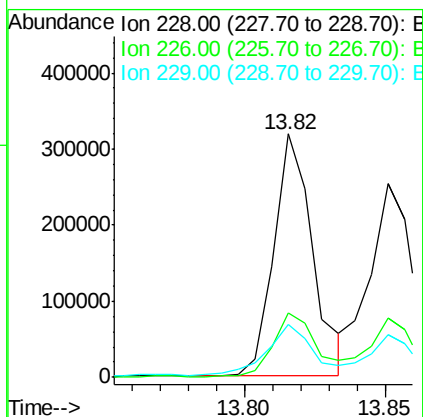
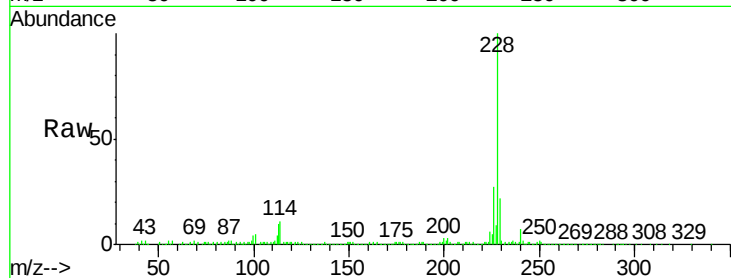




#81  
Benzo(a)anthracene  
Concen: 32.839 ng  
RT: 13.82 min Scan# 1994  
Delta R.T. -0.02 min  
Lab File: BF113807.D  
Acq: 16 Apr 2019 21:47

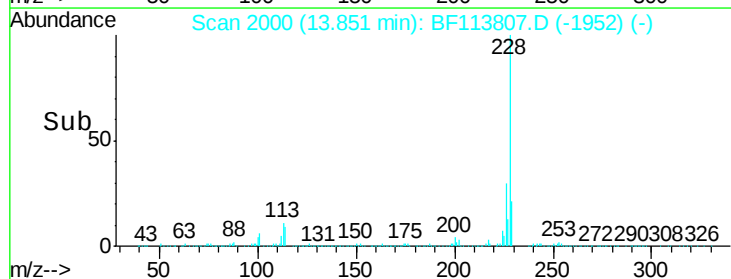
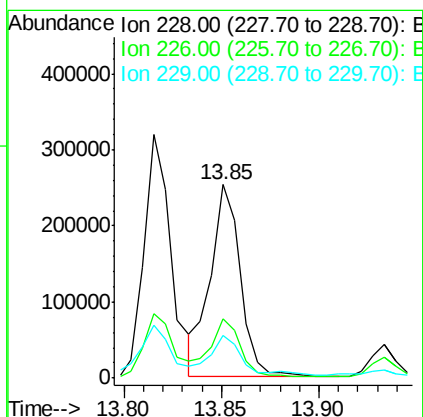
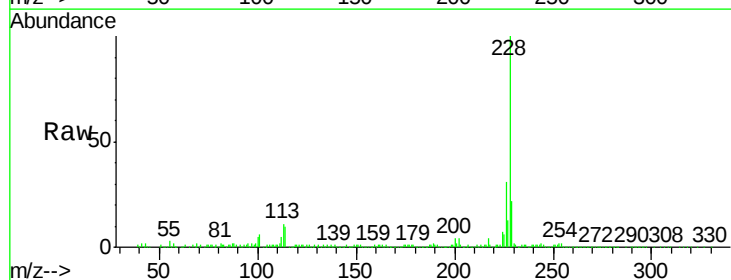
Instrument :  
BNA\_F  
ClientSampleId :

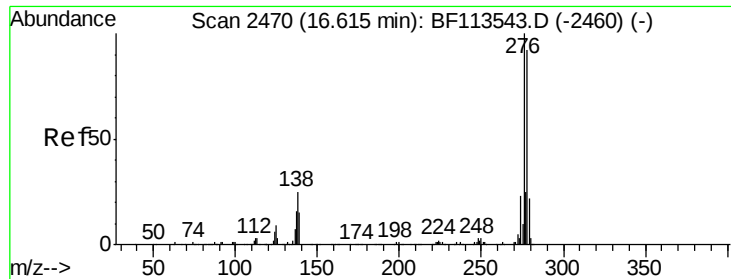
Tot Ion:228 Resp: 305205  
Ion Ratio Lower Upper  
228 100  
226 26.7 21.8 32.8  
229 21.7 16.2 24.4



#83  
Chrysene  
Concen: 29.007 ng  
RT: 13.85 min Scan# 2000  
Delta R.T. -0.02 min  
Lab File: BF113807.D  
Acq: 16 Apr 2019 21:47

Tgt Ion:228 Resp: 273294  
Ion Ratio Lower Upper  
228 100  
226 31.0 24.3 36.5  
229 22.1 16.3 24.5

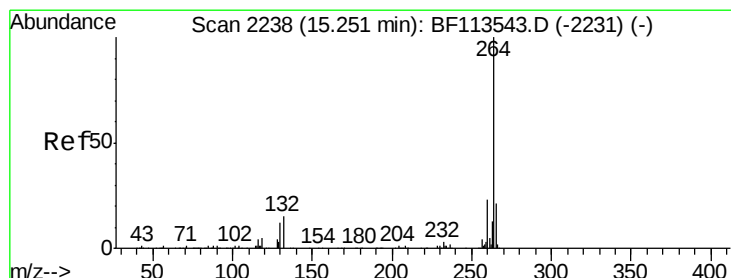
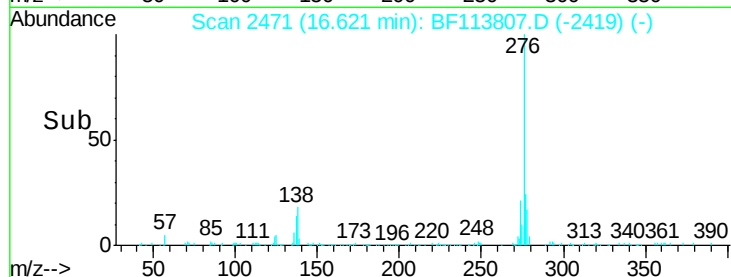
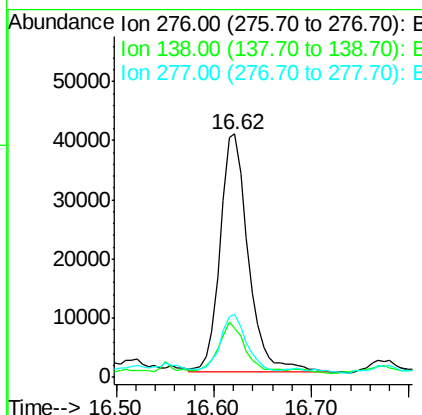
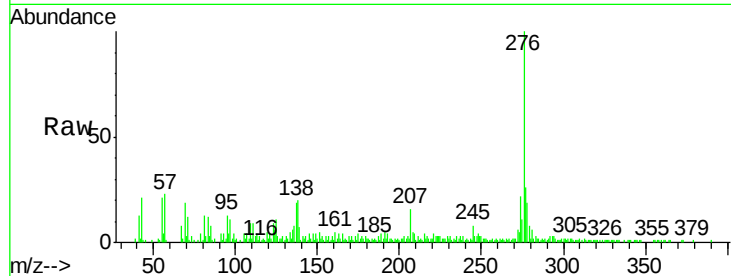




#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 9.299 ng  
 RT: 16.62 min Scan# 2471  
 Delta R.T. 0.01 min  
 Lab File: BF113807.D  
 Acq: 16 Apr 2019 21:47

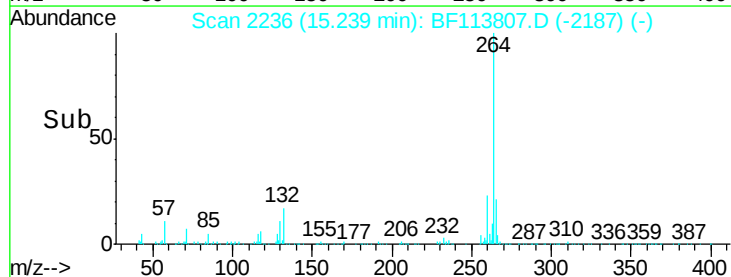
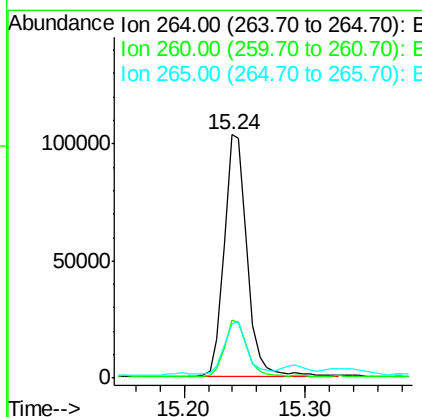
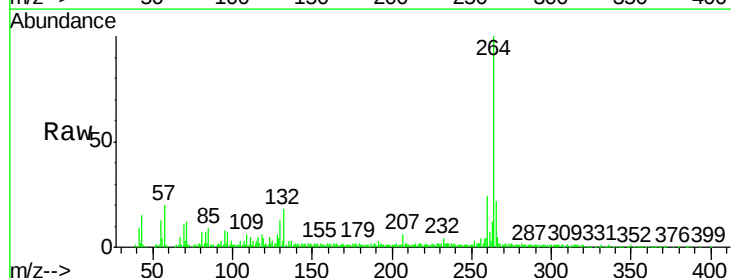
Instrument :  
 BNA\_F  
 ClientSampled :

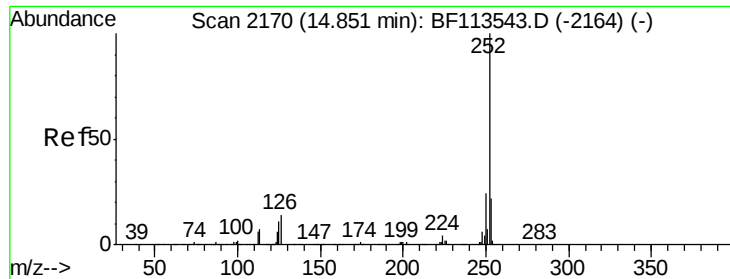
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.3  | 18.1  | 27.1  |
| 277     | 21.1  | 20.2  | 30.4  |



#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.24 min Scan# 2236  
 Delta R.T. -0.01 min  
 Lab File: BF113807.D  
 Acq: 16 Apr 2019 21:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.1  | 28.7  |
| 265     | 22.2  | 17.1  | 25.7  |

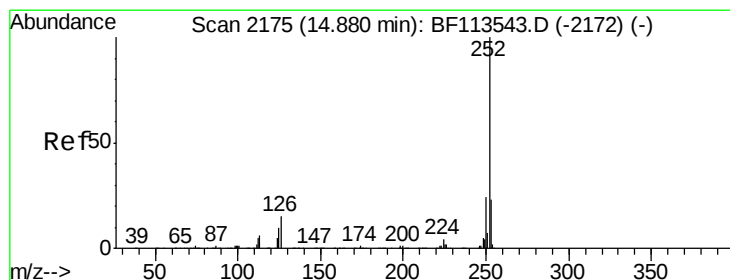
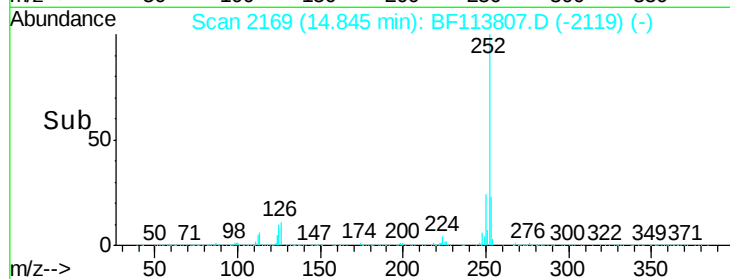
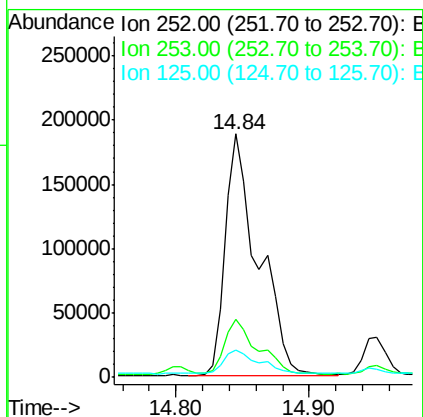
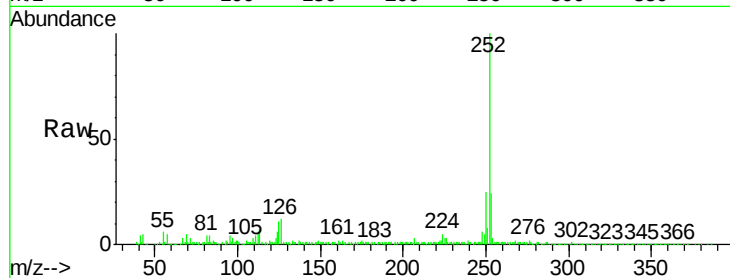




#88  
Benzo(b)fluoranthene  
Concen: 39.104 ng  
RT: 14.84 min Scan# 2169  
Delta R.T. -0.01 min  
Lab File: BF113807.D  
Acq: 16 Apr 2019 21:47

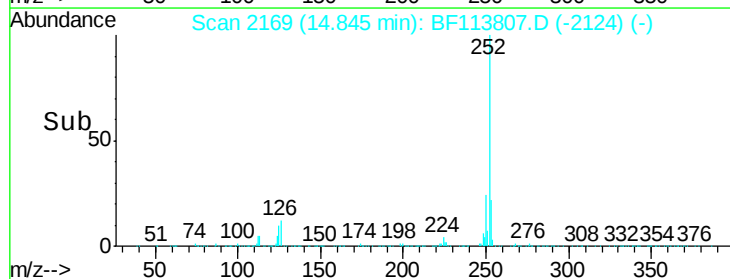
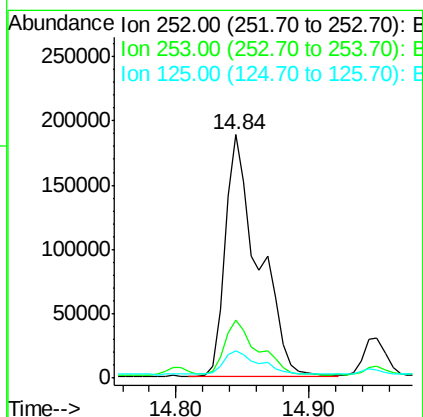
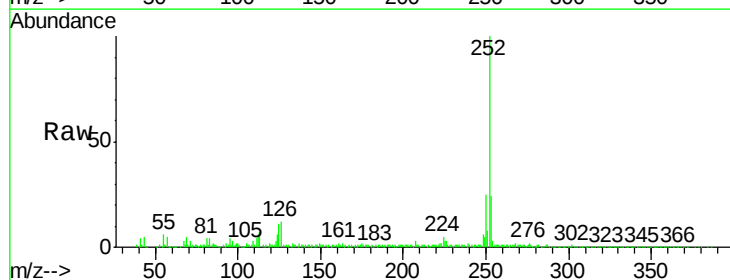
Instrument :  
BNA\_F  
ClientSampleId :

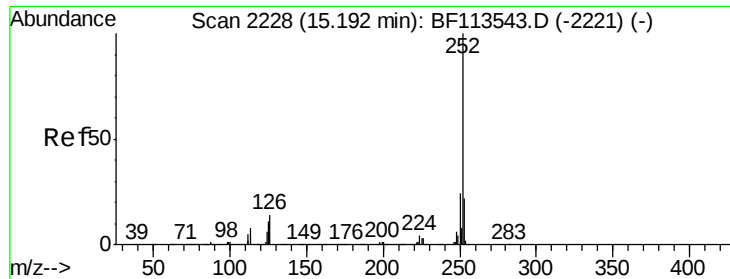
Tot Ion:252 Resp: 322586  
Ion Ratio Lower Upper  
252 100  
253 23.7 18.0 27.0  
125 11.5 7.6 11.4#



#89  
Benzo(k)fluoranthene  
Concen: 43.571 ng  
RT: 14.84 min Scan# 2169  
Delta R.T. -0.04 min  
Lab File: BF113807.D  
Acq: 16 Apr 2019 21:47

Tgt Ion:252 Resp: 322586  
Ion Ratio Lower Upper  
252 100  
253 23.7 17.7 26.5  
125 11.5 7.3 10.9#

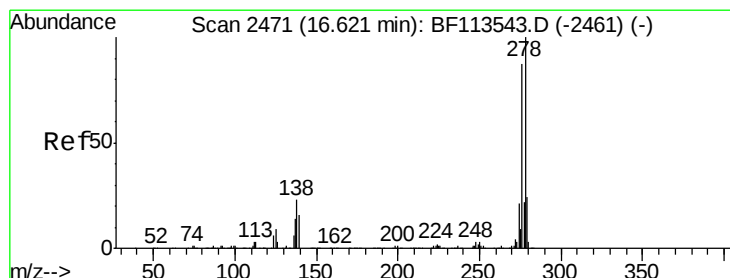
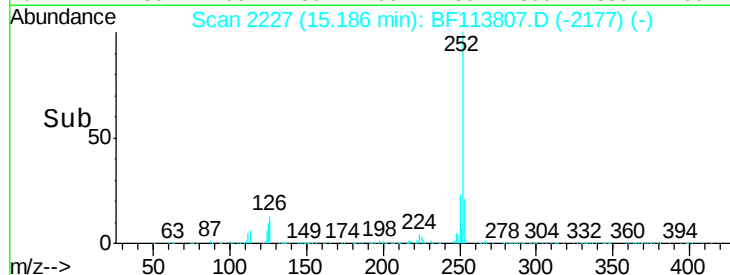
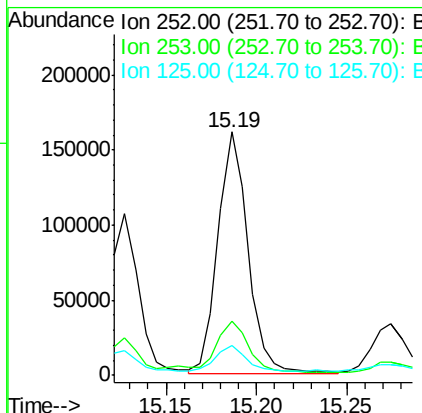
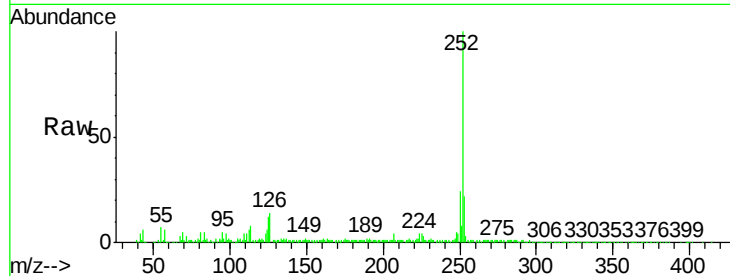




#90  
Benzo(a)pyrene  
Concen: 25.282 ng  
RT: 15.19 min Scan# 2227  
Delta R.T. -0.01 min  
Lab File: BF113807.D  
Acq: 16 Apr 2019 21:47

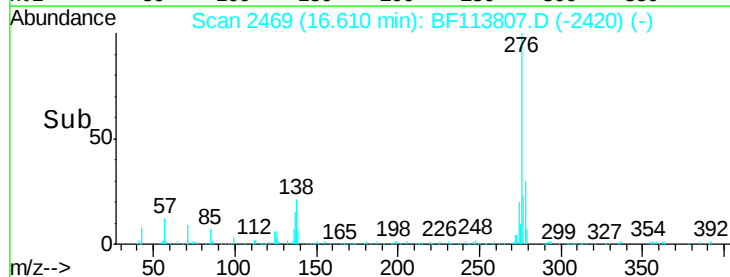
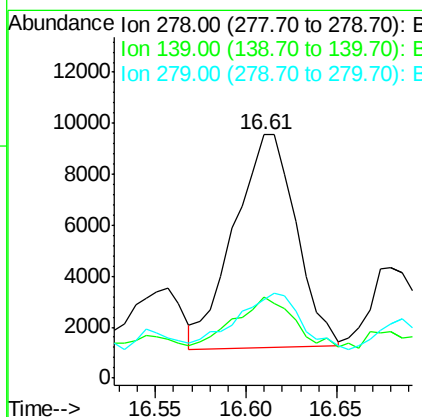
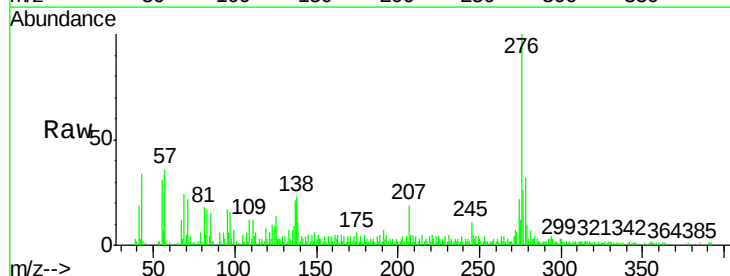
Instrument :  
BNA\_F  
ClientSampleId :

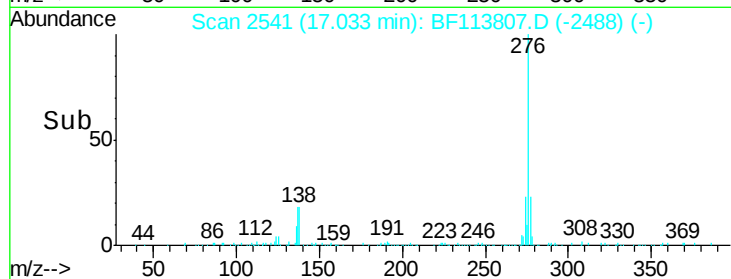
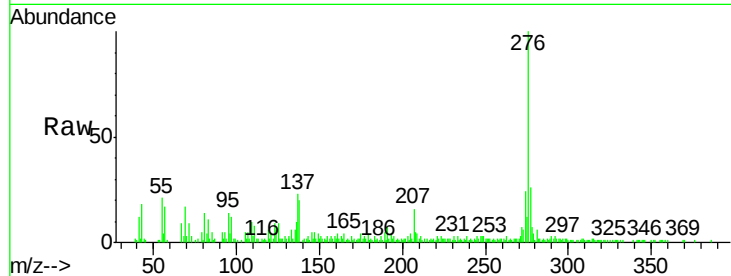
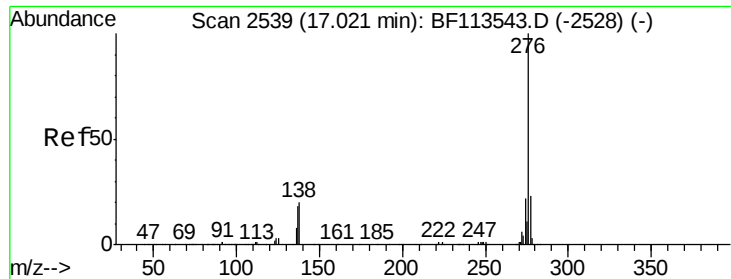
Tot Ion:252 Resp: 185329  
Ion Ratio Lower Upper  
252 100  
253 22.3 17.9 26.9  
125 12.3 8.8 13.2



#91  
Dibenzo(a,h)anthracene  
Concen: 2.892 ng  
RT: 16.61 min Scan# 2469  
Delta R.T. -0.01 min  
Lab File: BF113807.D  
Acq: 16 Apr 2019 21:47

Tgt Ion:278 Resp: 19826  
Ion Ratio Lower Upper  
278 100  
139 33.3 12.0 18.0#  
279 32.4 19.0 28.6#





#92

Benzo(a,h,i)perylene

Concen: 11.150 ng

RT: 17.03 min Scan# 2541

Delta R.T. 0.01 min

Lab File: BF113807.D

Acq: 16 Apr 2019 21:47

Instrument :

BNA\_F

ClientSampleId :

Tot Ion:276 Resp: 78014

Ion Ratio Lower Upper

276 100

277 25.7 18.8 28.2

138 19.7 15.6 23.4

