

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\  
 Data File : BF118318.D  
 Acq On : 26 Dec 2019 16:03  
 Operator : JU  
 Sample : K6395-01  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Dec 27 03:23:53 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 24 15:58:52 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 119203   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.13  | 136  | 485977   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.89  | 164  | 262996   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.39 | 188  | 503592   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.04 | 240  | 333112   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.53 | 264  | 357892   | 20.00 | ng    | 0.00     |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.46  | 112 | 704857  | 100.94 | ng | 0.00  |
| 7) Phenol-d6                | 6.48  | 99  | 902126  | 104.14 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 7.41  | 82  | 535486  | 63.02  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol    | 10.69 | 330 | 323941  | 99.74  | ng | 0.00  |
| 45) 2-Fluorobiphenyl        | 9.22  | 172 | 1165325 | 67.64  | ng | 0.00  |
| 79) Terphenyl-d14           | 12.98 | 244 | 1444176 | 71.93  | ng | 0.00  |

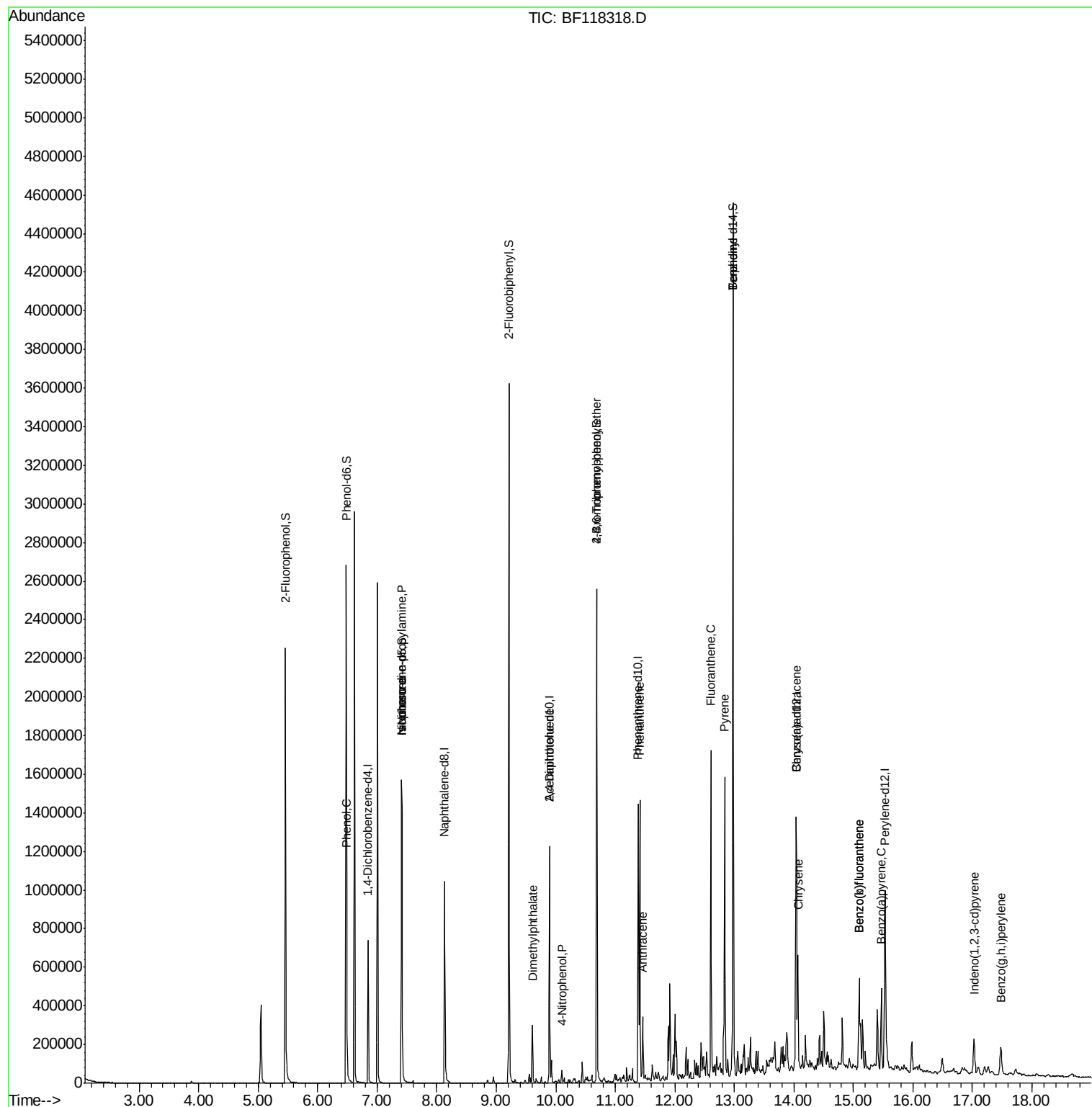
|                                |       |     |        |        |    |      |
|--------------------------------|-------|-----|--------|--------|----|------|
| Target Compounds               |       |     |        | Qvalue |    |      |
| 10) Phenol                     | 6.49  | 94  | 31095  | 3.194  | ng | 97   |
| 19) n-Nitroso-di-n-propylamine | 7.41  | 70  | 73151  | 13.707 | ng | # 77 |
| 25) Isophorone                 | 7.41  | 82  | 535480 | 36.161 | ng | # 62 |
| 50) Dimethylphthalate          | 9.61  | 163 | 135230 | 6.850  | ng | 100  |
| 56) 4-Nitrophenol              | 10.10 | 139 | 8919   | 2.892  | ng | # 6  |
| 57) 2,4-Dinitrotoluene         | 9.89  | 165 | 34187  | 6.011  | ng | # 30 |
| 67) 4-Bromophenyl-phenylether  | 10.69 | 248 | 19679  | 3.339  | ng | # 1  |
| 71) Phenanthrene               | 11.41 | 178 | 553311 | 20.155 | ng | 99   |
| 72) Anthracene                 | 11.46 | 178 | 116690 | 4.247  | ng | 99   |
| 75) Fluoranthene               | 12.61 | 202 | 622093 | 22.453 | ng | 99   |
| 77) Benzidine                  | 12.98 | 184 | 20507  | 2.247  | ng | # 93 |
| 78) Pyrene                     | 12.84 | 202 | 623481 | 22.920 | ng | 99   |
| 81) Benzo(a)anthracene         | 14.03 | 228 | 270040 | 11.581 | ng | 100  |
| 83) Chrysene                   | 14.07 | 228 | 244999 | 10.974 | ng | 99   |
| 86) Indeno(1,2,3-cd)pyrene     | 17.03 | 276 | 123721 | 6.504  | ng | 95   |
| 88) Benzo(b)fluoranthene       | 15.10 | 252 | 347333 | 14.620 | ng | 97   |
| 89) Benzo(k)fluoranthene       | 15.10 | 252 | 347333 | 15.227 | ng | 98   |
| 90) Benzo(a)pyrene             | 15.47 | 252 | 209505 | 10.011 | ng | 95   |
| 92) Benzo(a,h,i)perylene       | 17.47 | 276 | 123095 | 7.017  | ng | 97   |

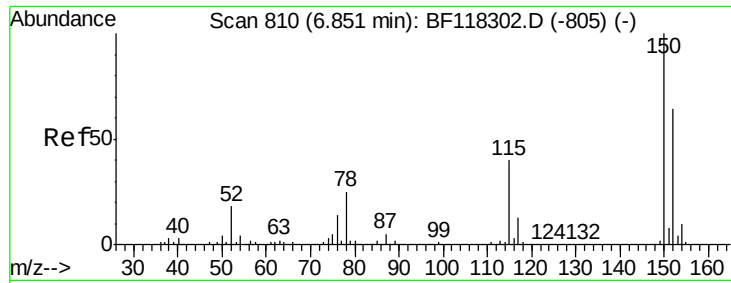
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
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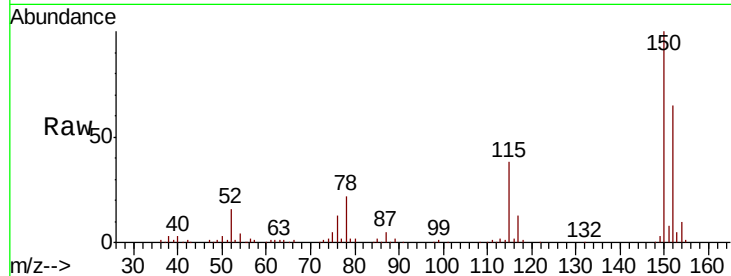


#1

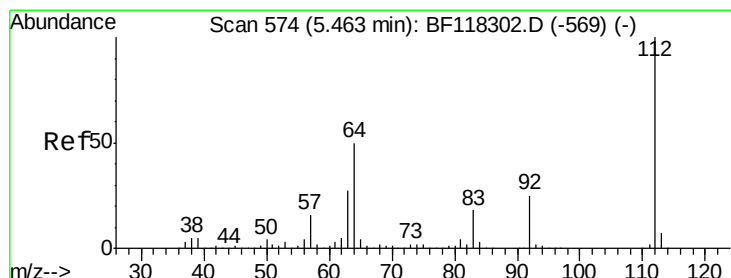
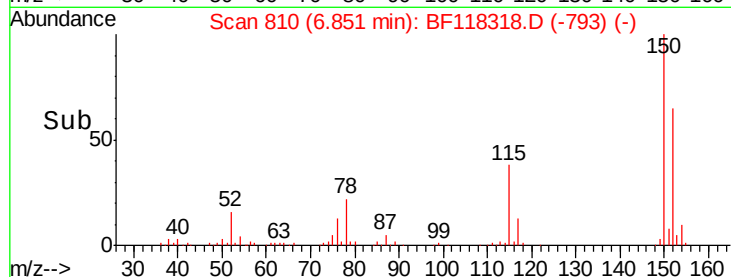
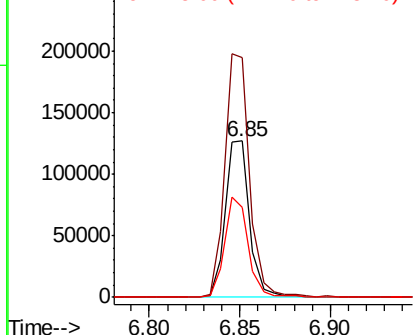
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 810  
Delta R.T. -0.00 min  
Lab File: BF118318.D  
Acq: 26 Dec 2019 16:03

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 119203  
Ion Ratio Lower Upper  
152 100  
150 153.1 125.4 188.2  
115 57.9 50.2 75.4



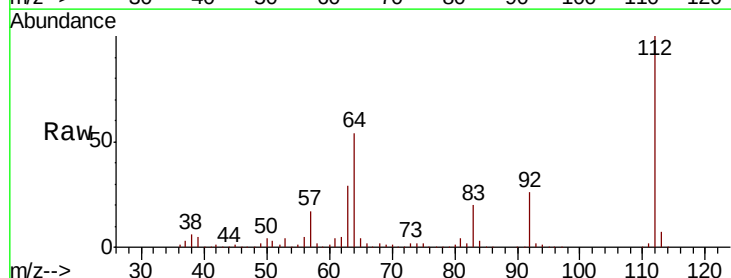
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



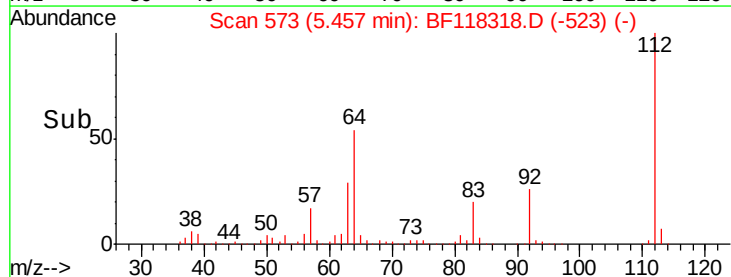
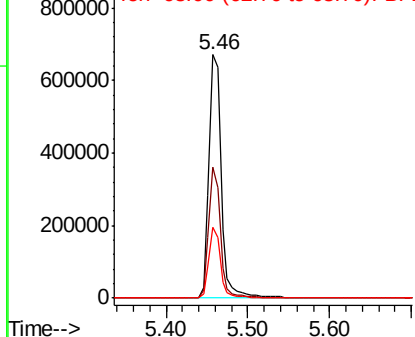
#5

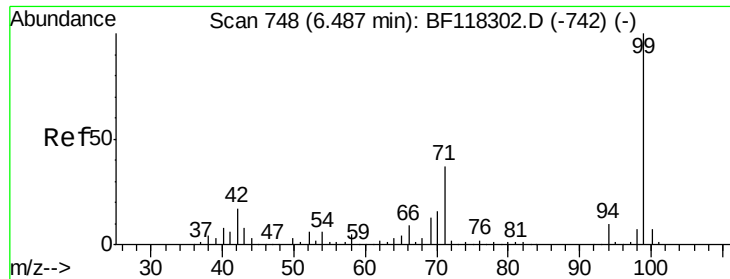
2-Fluorophenol  
Concen: 100.936 ng  
RT: 5.46 min Scan# 573  
Delta R.T. -0.01 min  
Lab File: BF118318.D  
Acq: 26 Dec 2019 16:03

Tgt Ion:112 Resp: 704857  
Ion Ratio Lower Upper  
112 100  
64 53.7 39.7 59.5  
63 28.9 21.7 32.5



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 104.137 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

Instrument :

BNA\_F

ClientSampleId :

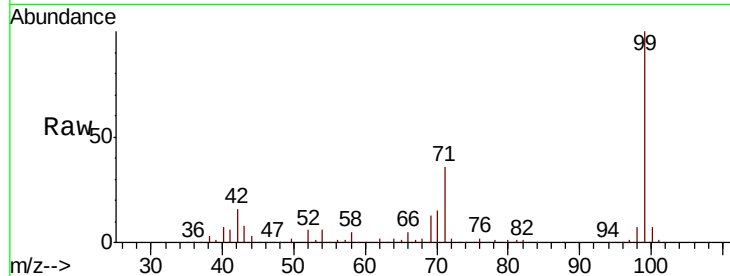
Tot Ion: 99 Resp: 902126

Ion Ratio Lower Upper

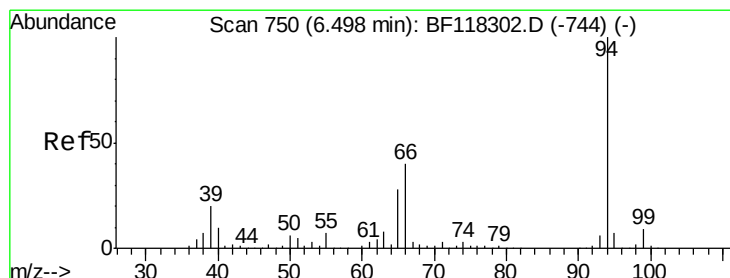
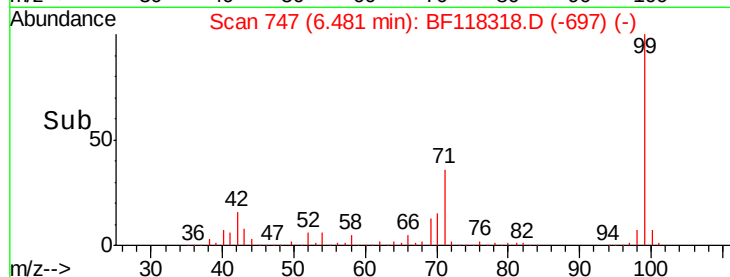
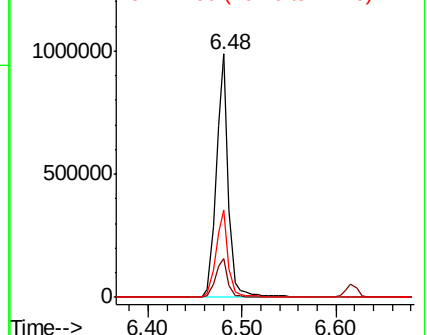
99 100

42 16.2 13.5 20.3

71 36.2 29.4 44.2



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: 3.194 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

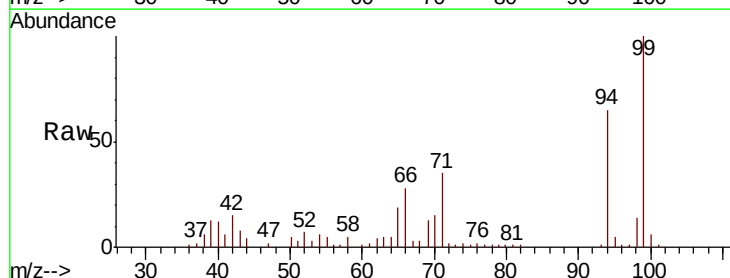
Tgt Ion: 94 Resp: 31095

Ion Ratio Lower Upper

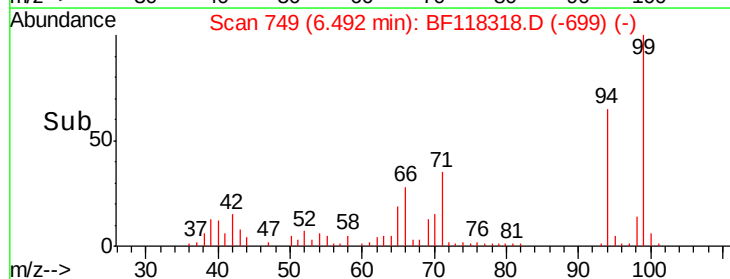
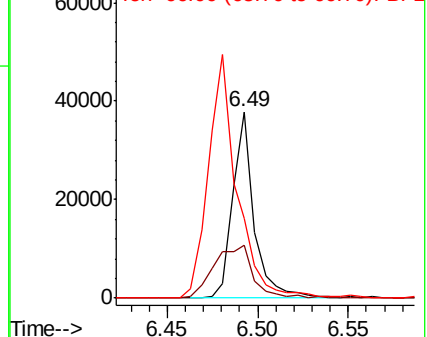
94 100

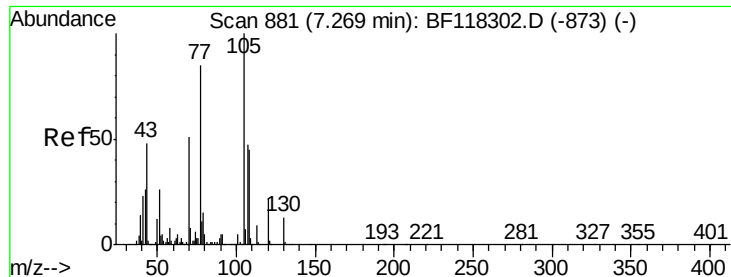
65 28.8 7.8 47.8

66 43.2 20.4 60.4



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

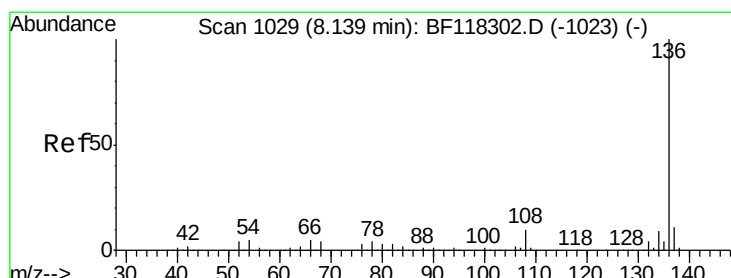
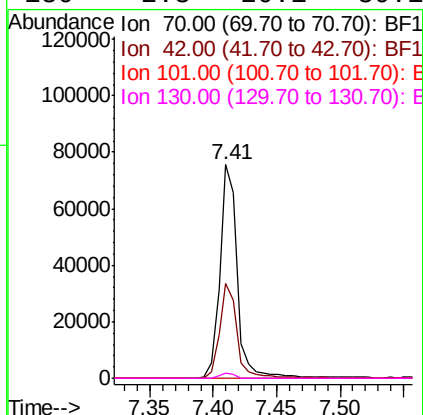
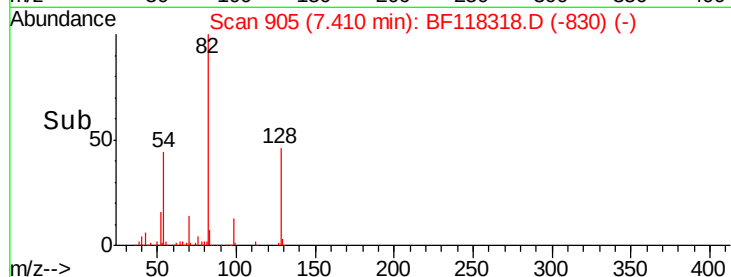
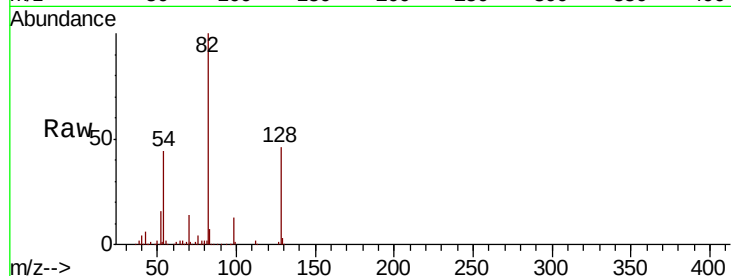




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.707 ng  
RT: 7.41 min Scan# 905  
Delta R.T. 0.14 min  
Lab File: BF118318.D  
Acq: 26 Dec 2019 16:03

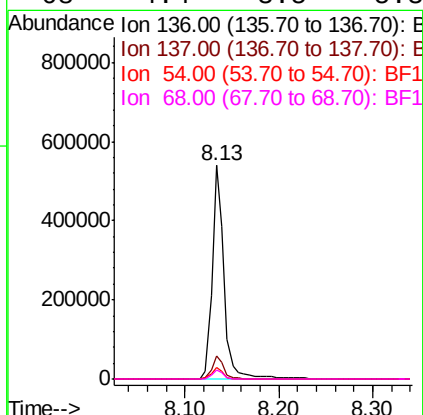
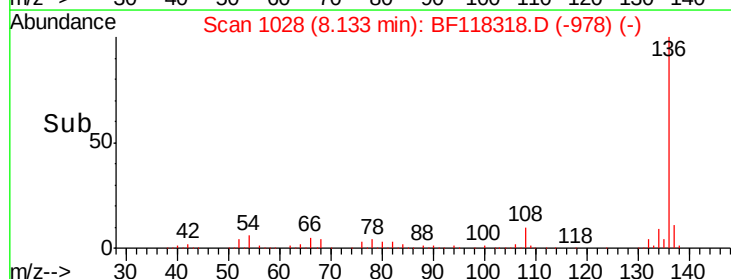
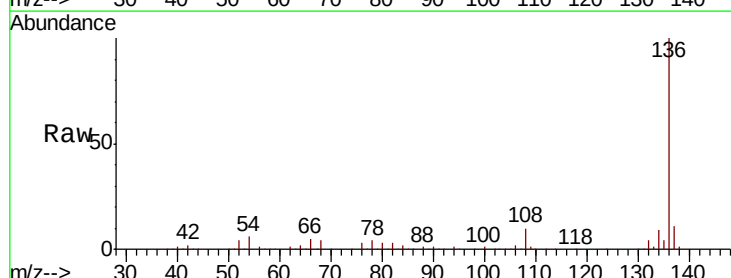
Instrument :  
BNA\_F  
ClientSampleId :

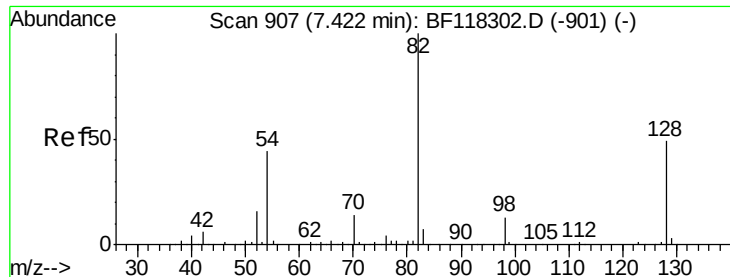
Tot Ion: 70 Resp: 73151  
Ion Ratio Lower Upper  
70 100  
42 44.1 41.1 61.7  
101 0.0 8.3 12.5#  
130 2.3 20.1 30.1#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.13 min Scan# 1028  
Delta R.T. -0.01 min  
Lab File: BF118318.D  
Acq: 26 Dec 2019 16:03

Tgt Ion:136 Resp: 485977  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.9 13.3  
54 5.6 4.2 6.4  
68 4.4 3.5 5.3

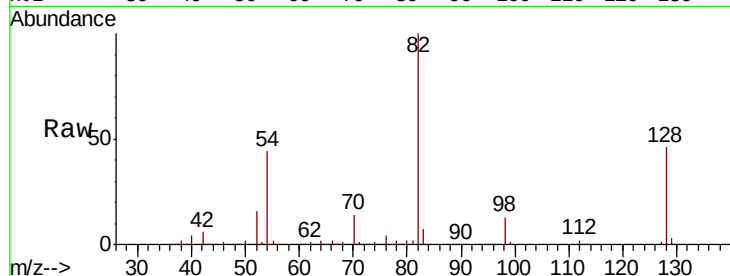




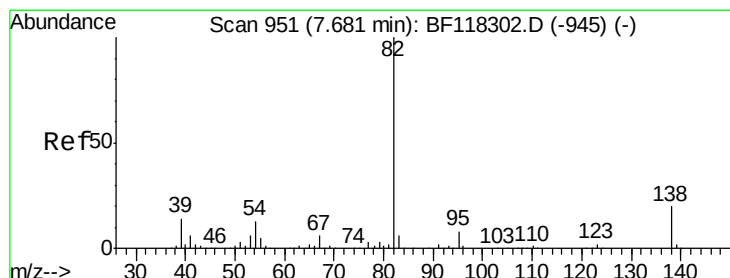
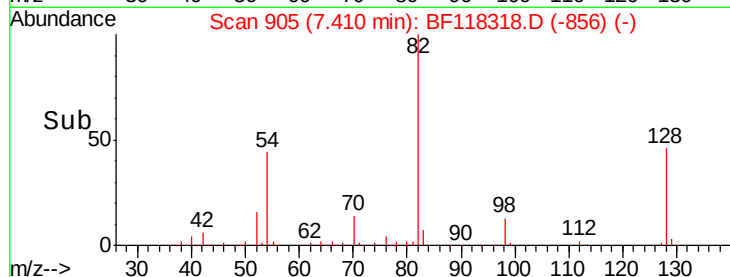
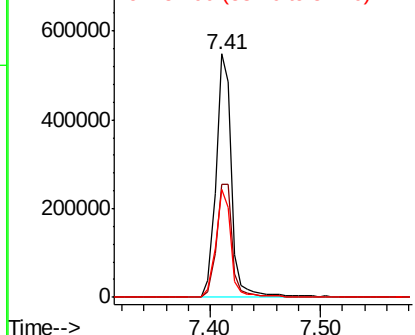
#23  
Nitrobenzene-d5  
Concen: 63.022 ng  
RT: 7.41 min Scan# 905  
Delta R.T. -0.01 min  
Lab File: BF118318.D  
Acq: 26 Dec 2019 16:03

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 46.3  | 39.6  | 59.4  |
| 54      | 44.1  | 34.9  | 52.3  |

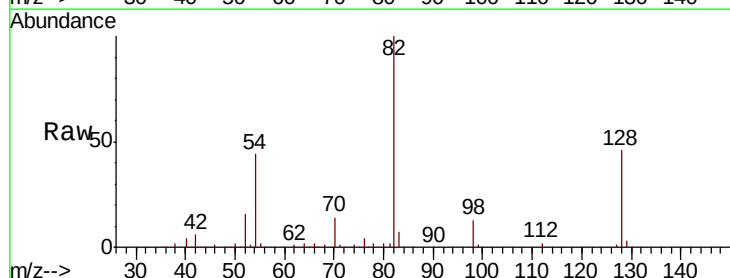


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

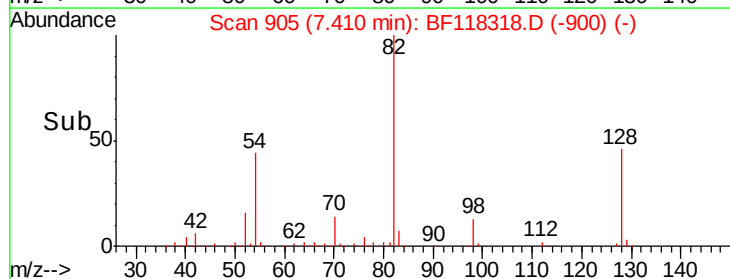
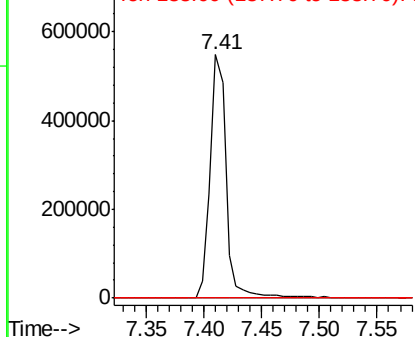


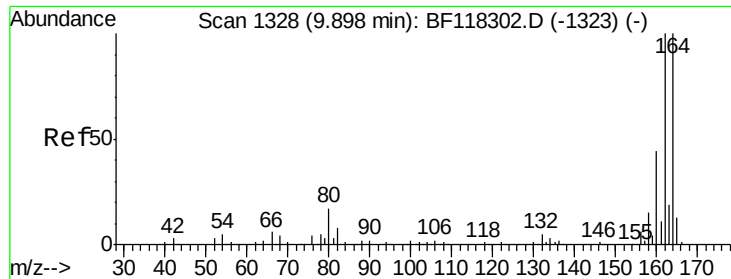
#25  
Isophorone  
Concen: 36.161 ng  
RT: 7.41 min Scan# 905  
Delta R.T. -0.27 min  
Lab File: BF118318.D  
Acq: 26 Dec 2019 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 0.0   | 6.3   | 9.5#  |
| 138     | 0.0   | 16.2  | 24.2# |



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

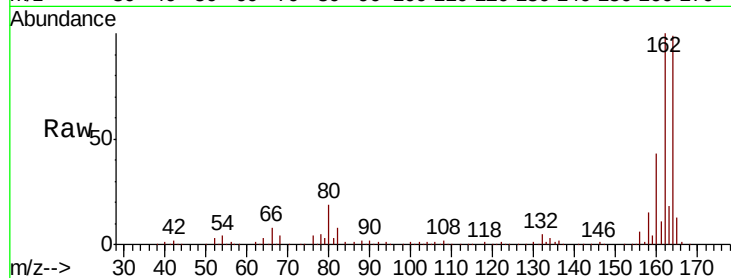




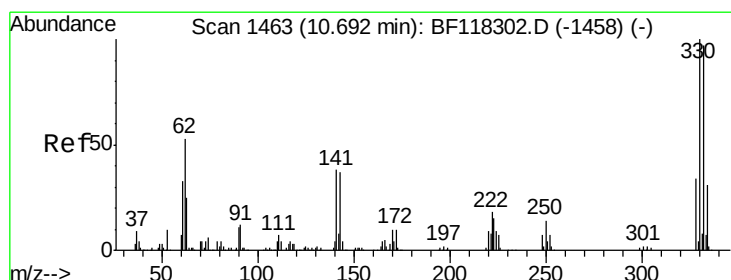
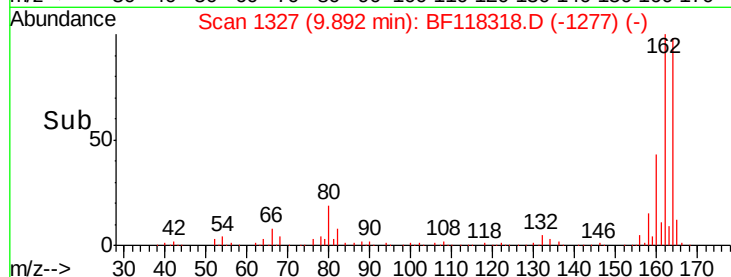
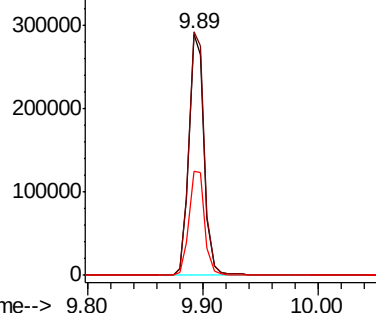
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. -0.01 min  
Lab File: BF118318.D  
Acq: 26 Dec 2019 16:03

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:164 Resp: 262996  
Ion Ratio Lower Upper  
164 100  
162 101.0 80.0 120.0  
160 43.2 34.8 52.2

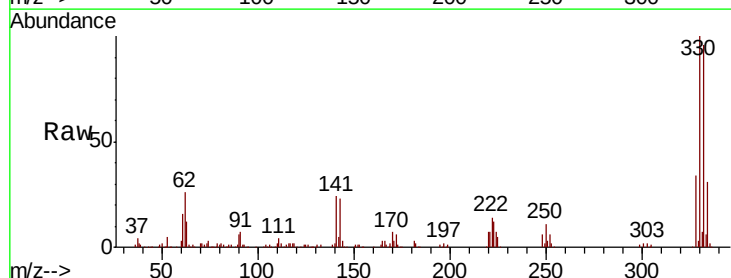


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

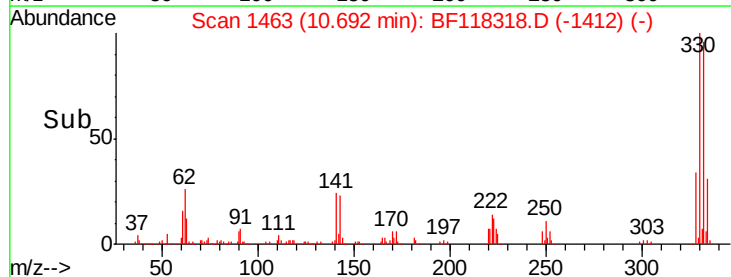
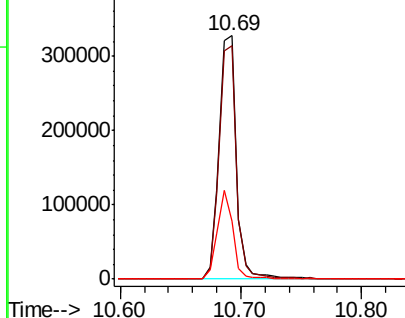


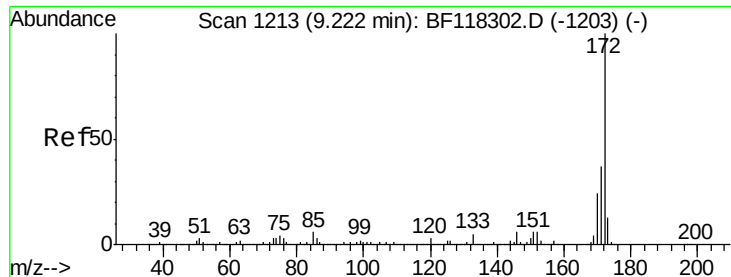
#42  
2,4,6-Tribromophenol  
Concen: 99.741 ng  
RT: 10.69 min Scan# 1463  
Delta R.T. -0.00 min  
Lab File: BF118318.D  
Acq: 26 Dec 2019 16:03

Tgt Ion:330 Resp: 323941  
Ion Ratio Lower Upper  
330 100  
332 96.0 76.6 114.8  
141 33.5 26.0 39.0



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

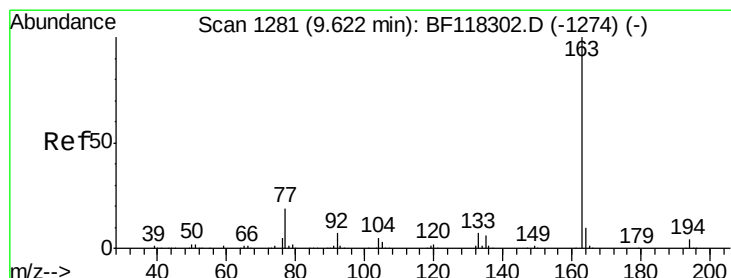
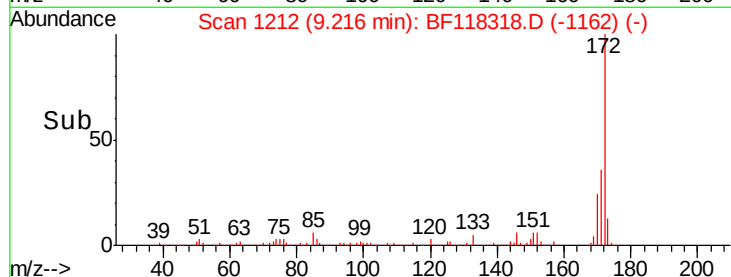
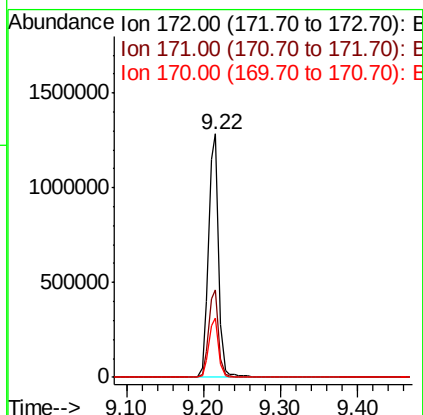
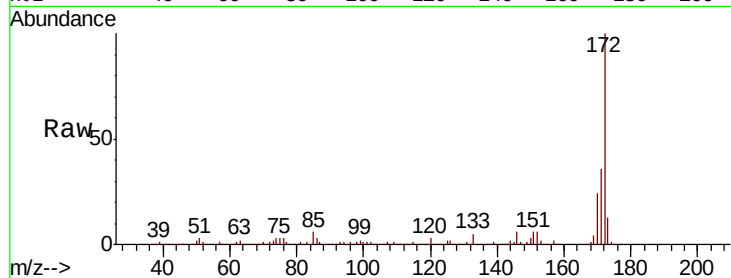




#45  
2-Fluorobiphenyl  
Concen: 67.637 ng  
RT: 9.22 min Scan# 1212  
Delta R.T. -0.01 min  
Lab File: BF118318.D  
Acq: 26 Dec 2019 16:03

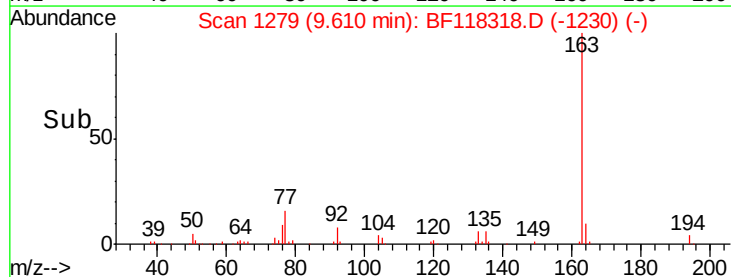
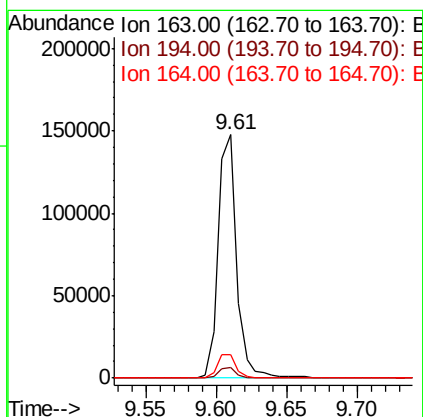
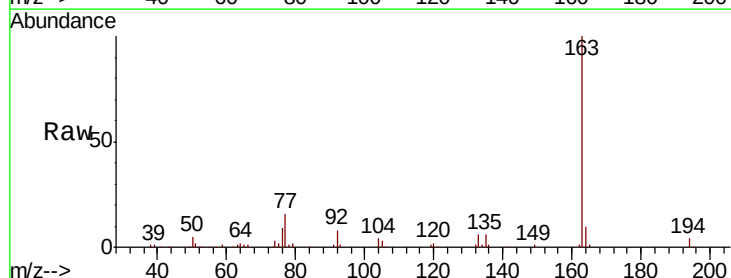
Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:172 Resp: 1165325  
Ion Ratio Lower Upper  
172 100  
171 35.9 29.3 43.9  
170 24.1 19.2 28.8

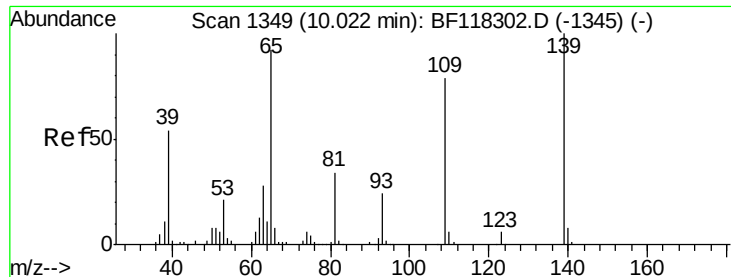


#50  
Dimethylphthalate  
Concen: 6.850 ng  
RT: 9.61 min Scan# 1279  
Delta R.T. -0.01 min  
Lab File: BF118318.D  
Acq: 26 Dec 2019 16:03

Tgt Ion:163 Resp: 135230  
Ion Ratio Lower Upper  
163 100  
194 4.1 3.2 4.8  
164 9.8 7.9 11.9



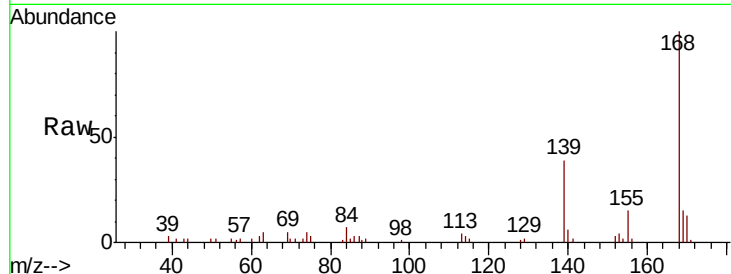




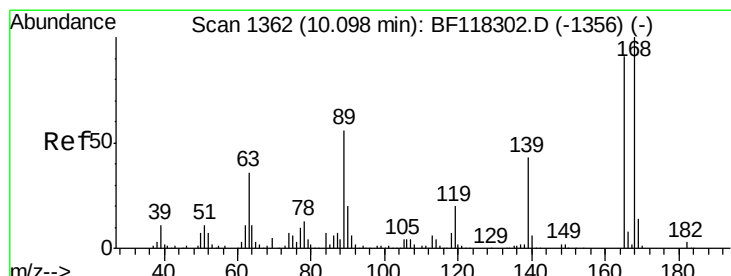
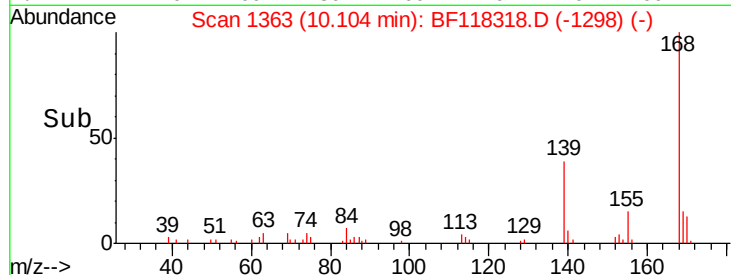
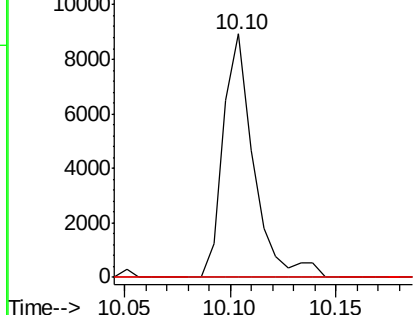
#56  
4-Nitrophenol  
Concen: 2.892 ng  
RT: 10.10 min Scan# 1363  
Delta R.T. 0.08 min  
Lab File: BF118318.D  
Acq: 26 Dec 2019 16:03

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 0.0   | 59.3  | 99.3#  |
| 65      | 0.0   | 72.4  | 112.4# |



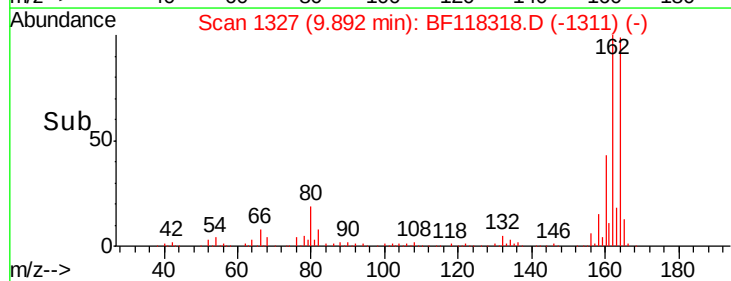
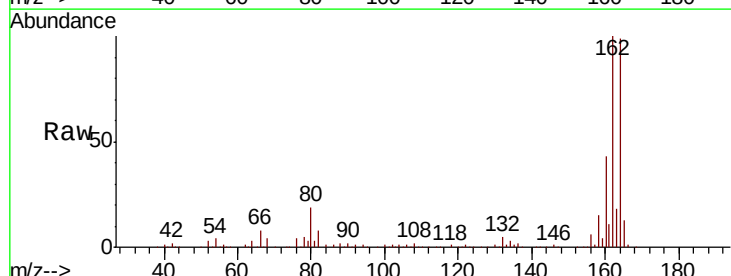
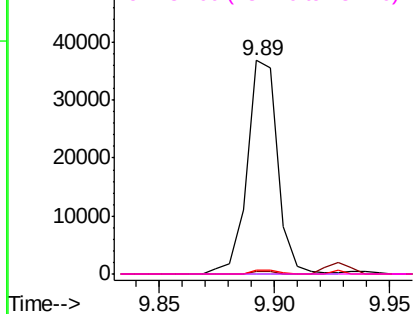
Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

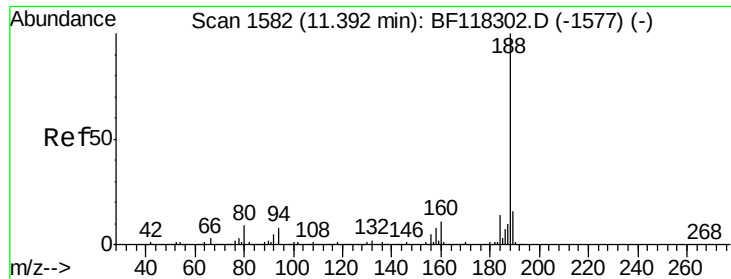


#57  
2,4-Dinitrotoluene  
Concen: 6.011 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. -0.21 min  
Lab File: BF118318.D  
Acq: 26 Dec 2019 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.5   | 32.0  | 48.0# |
| 89      | 1.6   | 49.3  | 73.9# |
| 182     | 0.0   | 2.4   | 3.6#  |

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: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

Instrument :

BNA\_F

ClientSampleId :

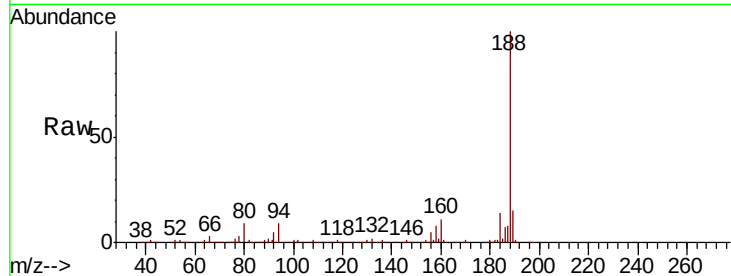
Tot Ion:188 Resp: 503592

Ion Ratio Lower Upper

188 100

94 9.2 6.7 10.1

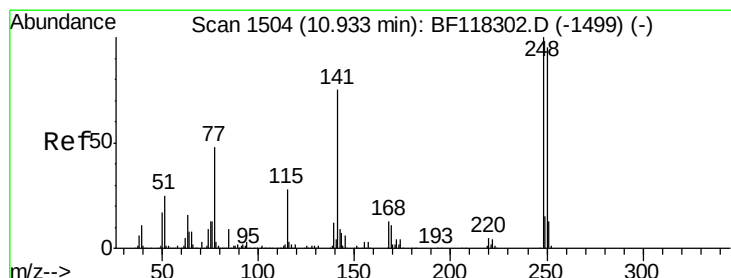
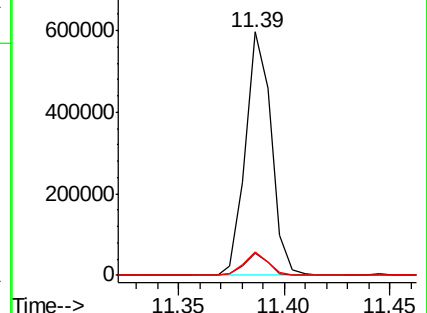
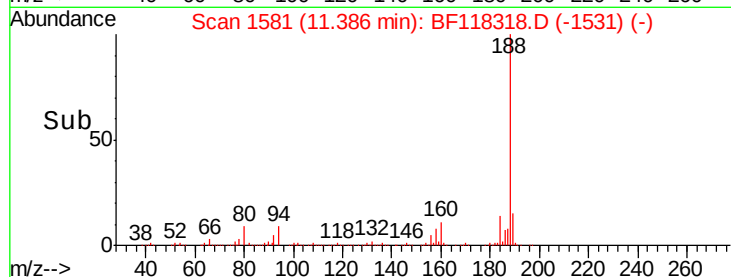
80 9.4 7.2 10.8



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: 3.339 ng

RT: 10.69 min Scan# 1462

Delta R.T. -0.25 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

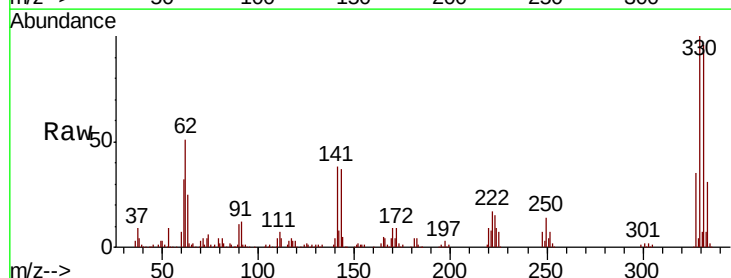
Tgt Ion:248 Resp: 19679

Ion Ratio Lower Upper

248 100

250 206.8 76.4 114.6#

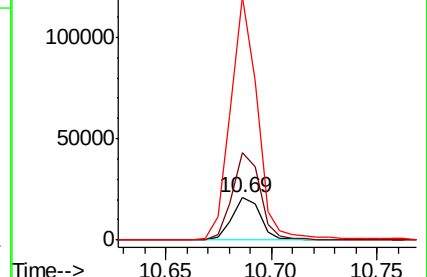
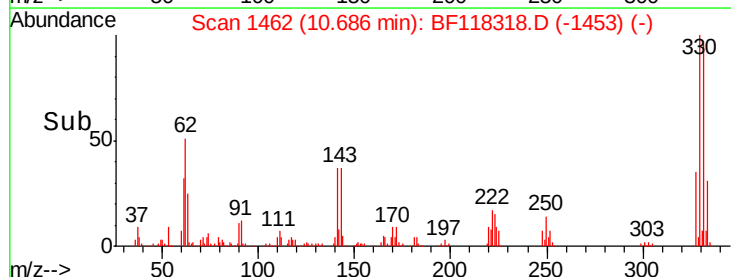
141 573.7 60.2 90.2#

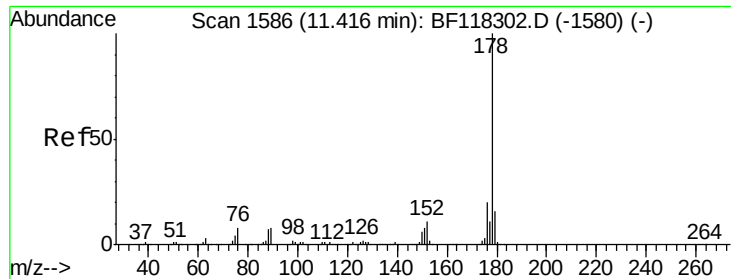


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 20.155 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

Instrument :

BNA\_F

ClientSampleId :

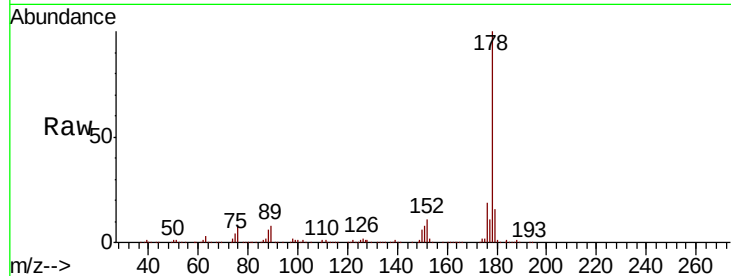
Tot Ion:178 Resp: 553311

Ion Ratio Lower Upper

178 100

176 19.0 15.6 23.4

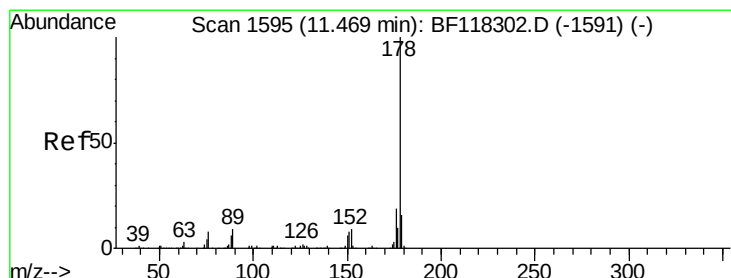
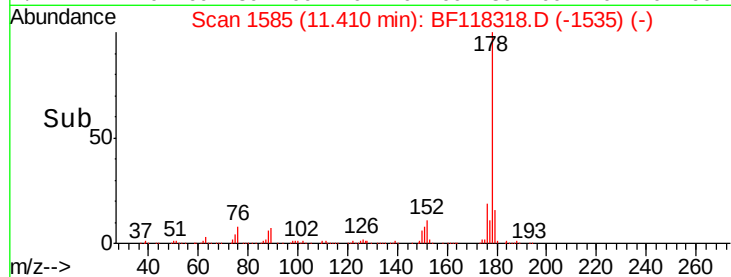
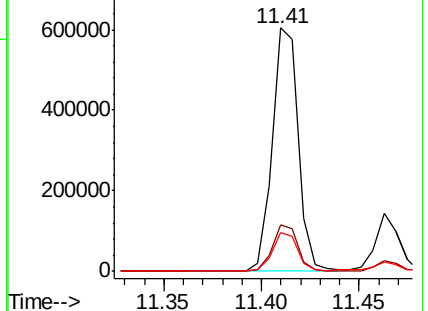
179 15.7 12.6 19.0



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: 4.247 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.01 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

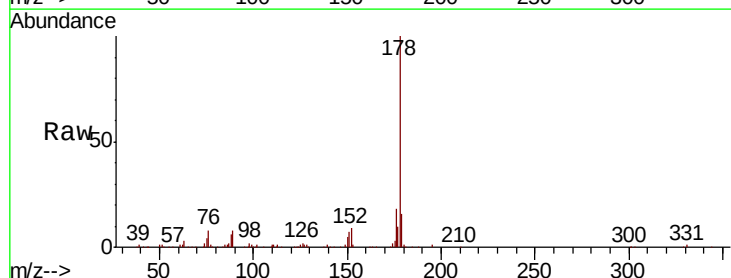
Tgt Ion:178 Resp: 116690

Ion Ratio Lower Upper

178 100

176 18.3 15.2 22.8

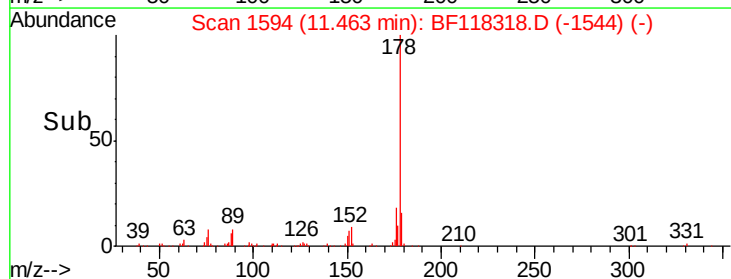
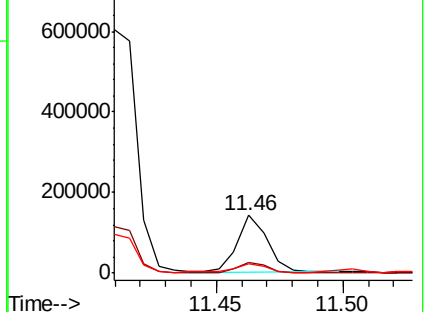
179 15.7 12.9 19.3

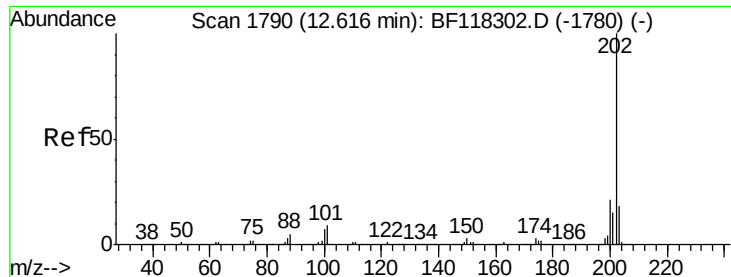


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 22.453 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

Instrument :

BNA\_F

ClientSampleId :

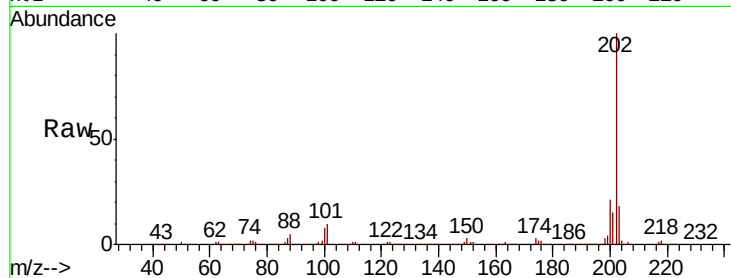
Tot Ion:202 Resp: 622093

Ion Ratio Lower Upper

202 100

101 10.1 0.0 29.5

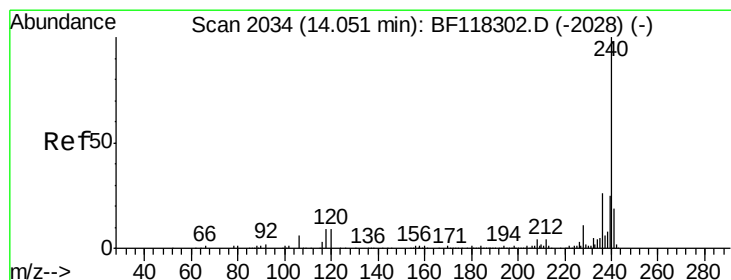
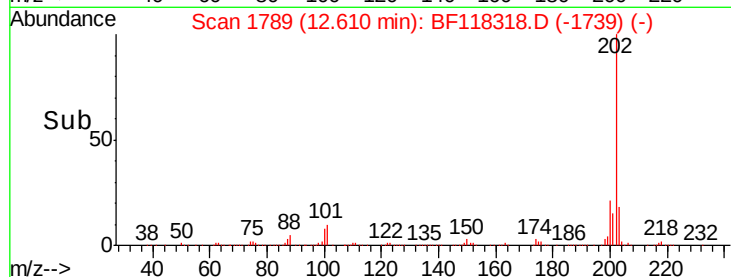
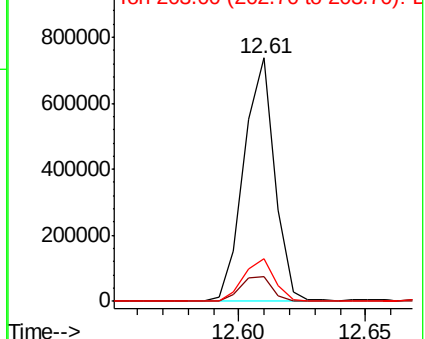
203 17.6 0.0 37.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

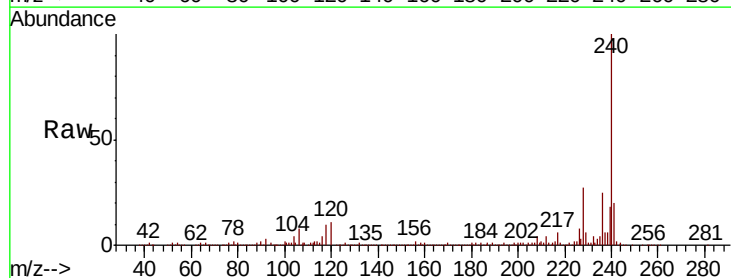
Tgt Ion:240 Resp: 333112

Ion Ratio Lower Upper

240 100

120 11.3 7.1 10.7#

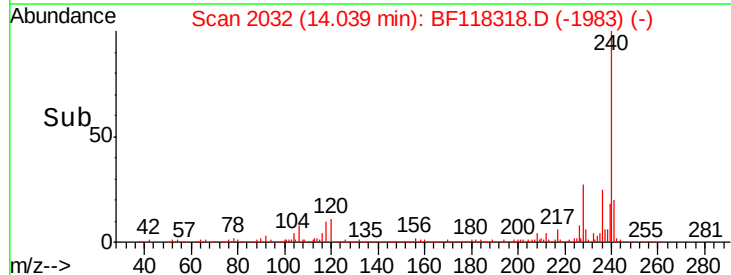
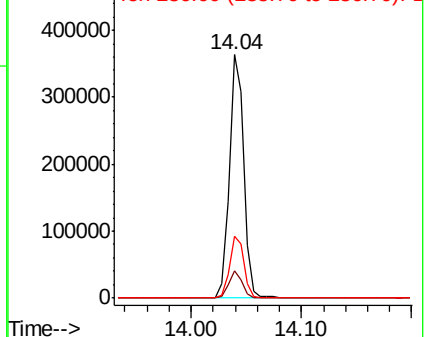
236 25.3 21.0 31.6

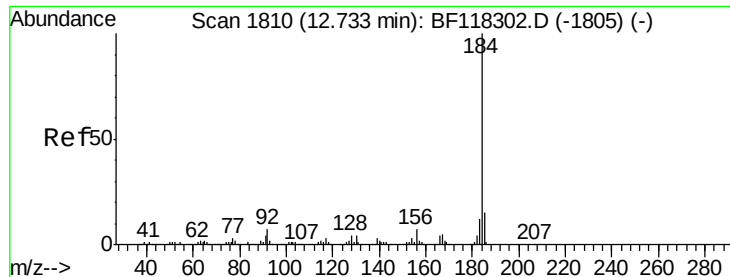


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.247 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.25 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

Instrument :

BNA\_F

ClientSampleId :

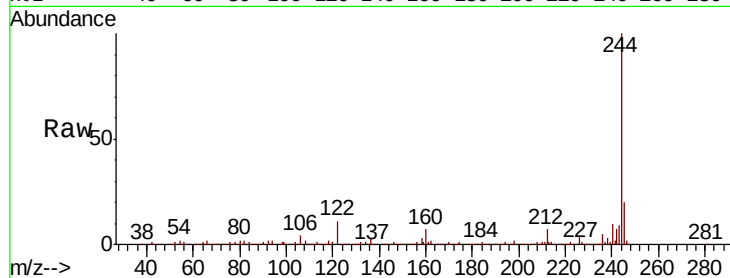
Tot Ion:184 Resp: 20507

Ion Ratio Lower Upper

184 100

185 17.1 12.3 18.5

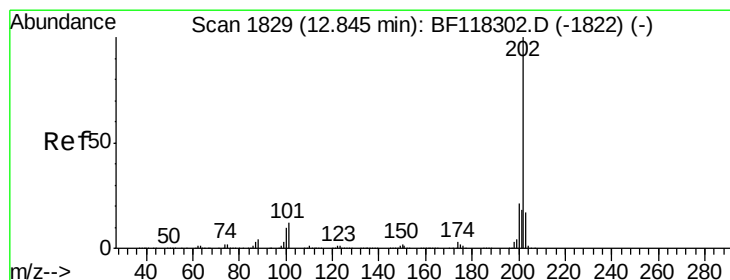
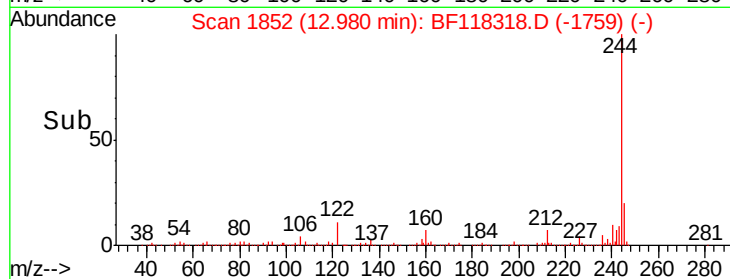
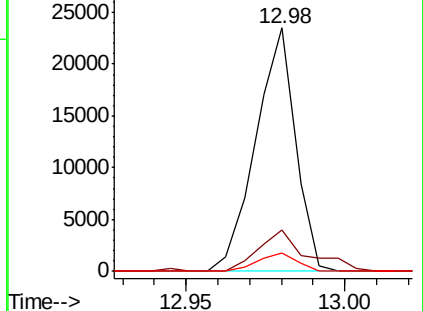
183 7.7 9.4 14.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 22.920 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

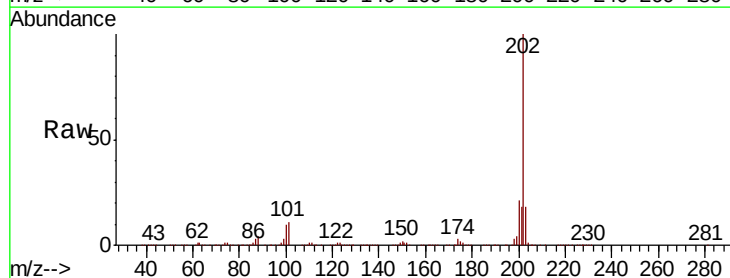
Tgt Ion:202 Resp: 623481

Ion Ratio Lower Upper

202 100

200 21.3 16.8 25.2

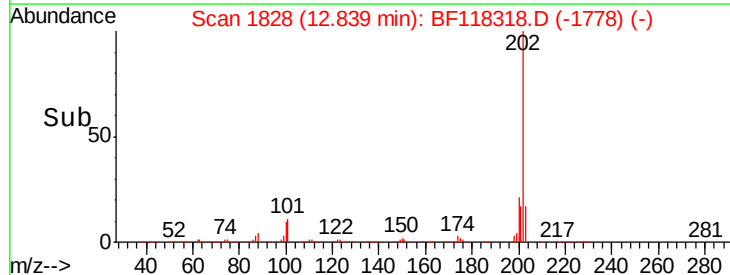
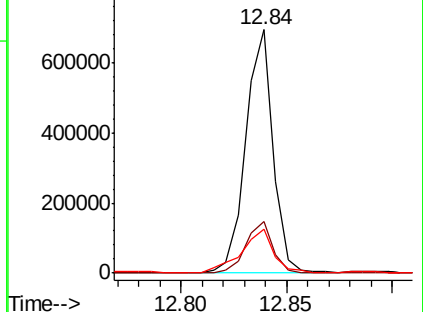
203 18.0 13.9 20.9

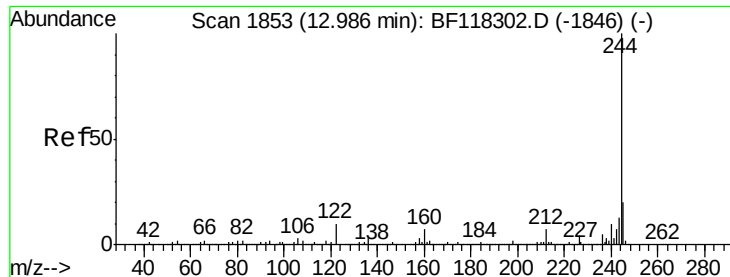


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 71.926 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

Instrument :

BNA\_F

ClientSampleId :

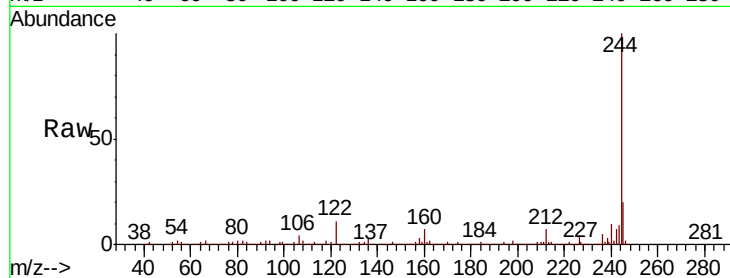
Tot Ion:244 Resp: 1444176

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.2

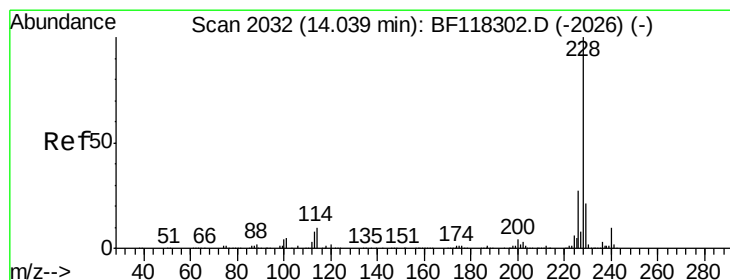
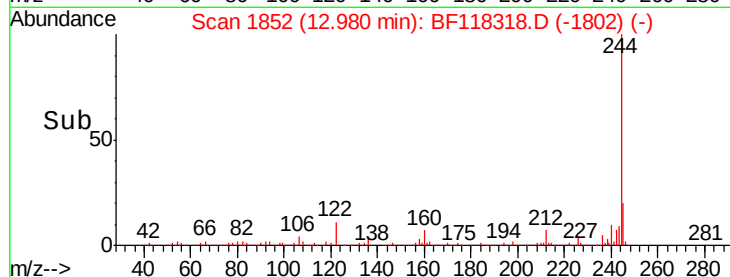
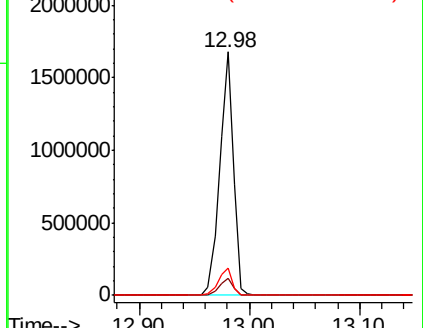
122 11.1 7.8 11.8



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: 11.581 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

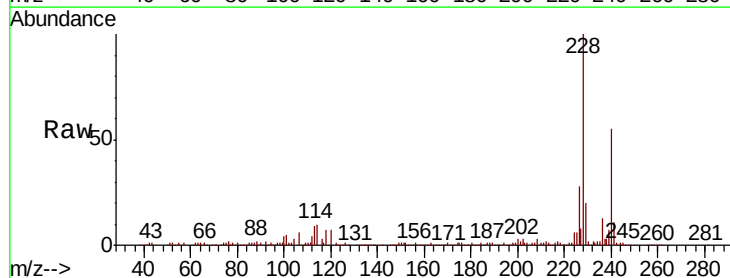
Tgt Ion:228 Resp: 270040

Ion Ratio Lower Upper

228 100

226 27.6 22.0 33.0

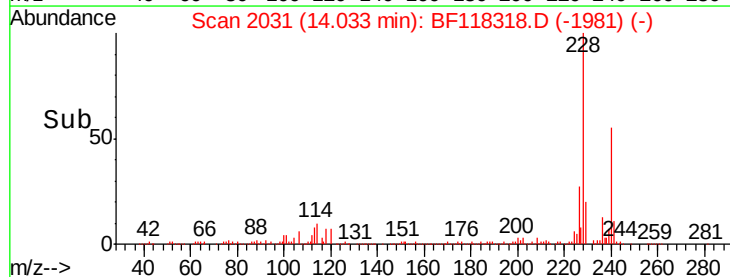
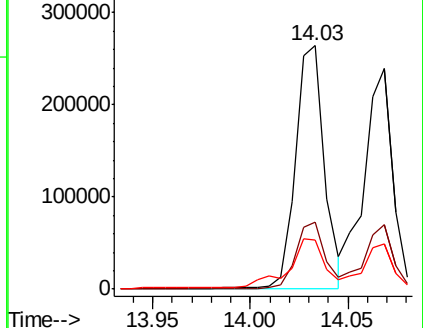
229 20.4 16.6 24.8

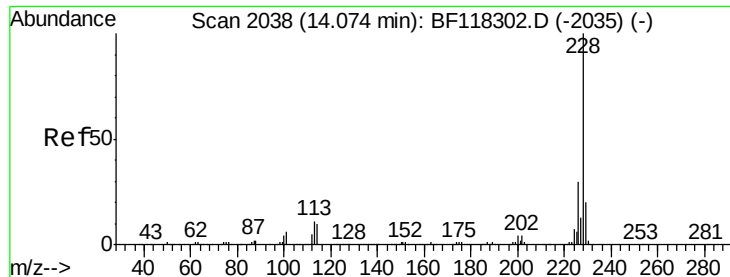


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 10.974 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

Instrument :

BNA\_F

ClientSampleId :

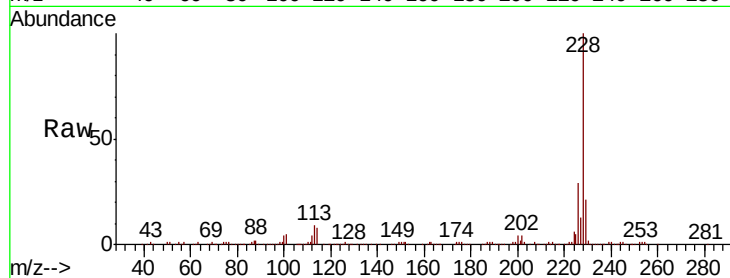
Tot Ion:228 Resp: 244999

Ion Ratio Lower Upper

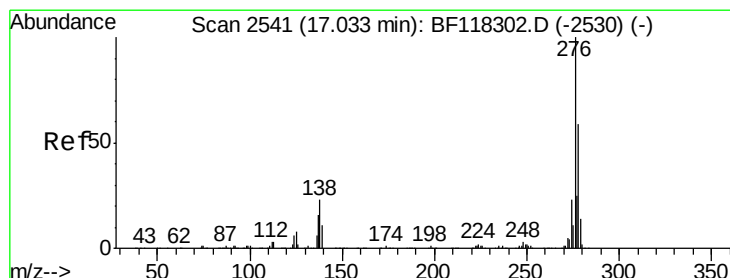
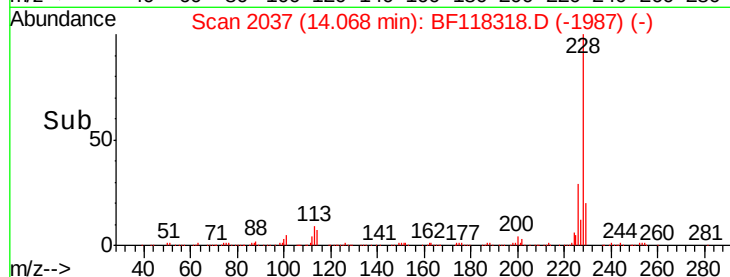
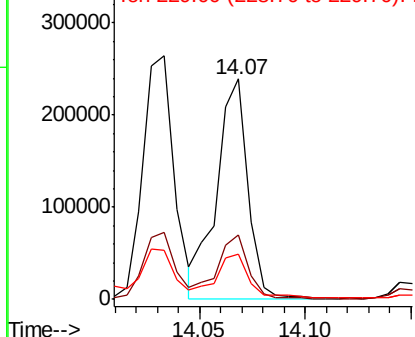
228 100

226 29.2 23.9 35.9

229 20.7 16.1 24.1



Abundance Ion 228.00 (227.70 to 228.70): E  
Ion 226.00 (225.70 to 226.70): E  
Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.504 ng

RT: 17.03 min Scan# 2540

Delta R.T. -0.01 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

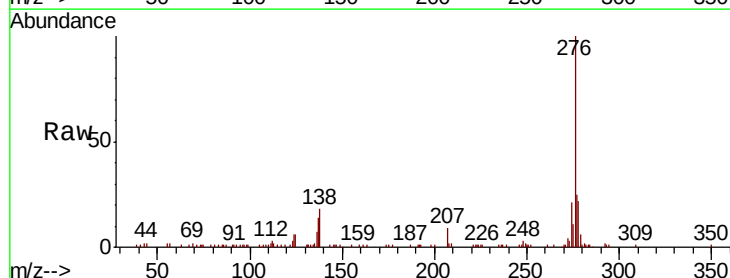
Tgt Ion:276 Resp: 123721

Ion Ratio Lower Upper

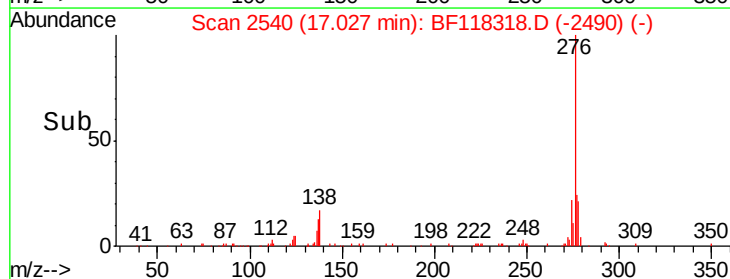
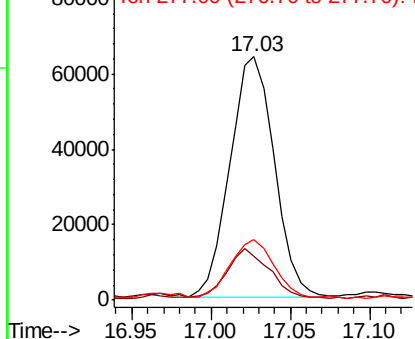
276 100

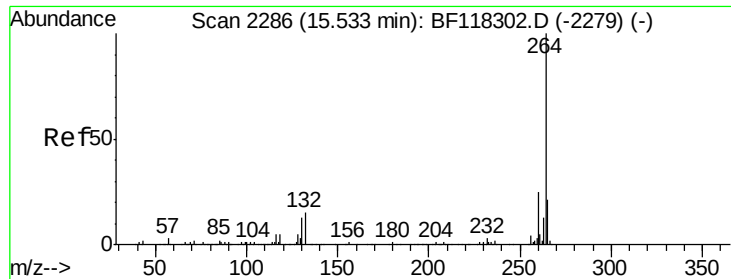
138 21.0 19.5 29.3

277 23.7 20.6 30.8



Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. -0.00 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

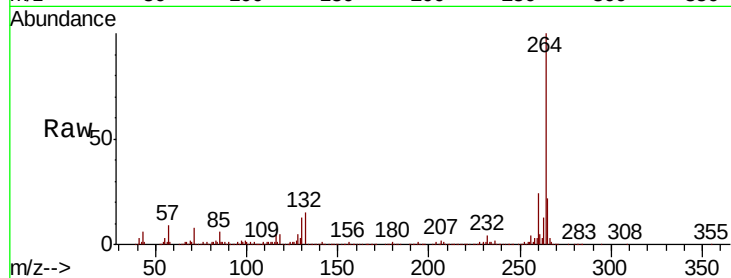
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:264 Resp: 357892

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.2  | 19.8  | 29.6  |
| 265 | 21.5  | 17.0  | 25.4  |

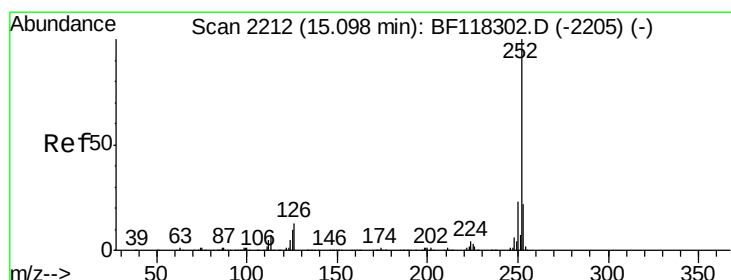
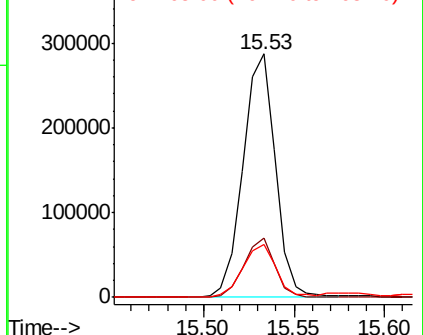
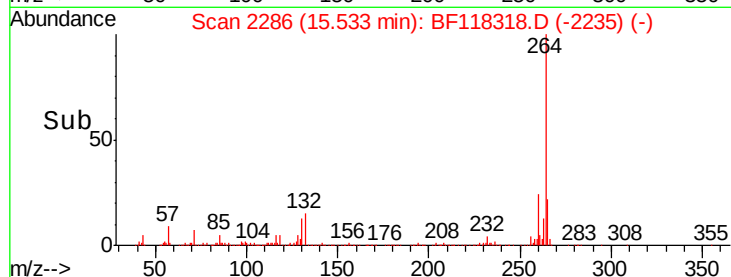


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 14.620 ng

RT: 15.10 min Scan# 2212

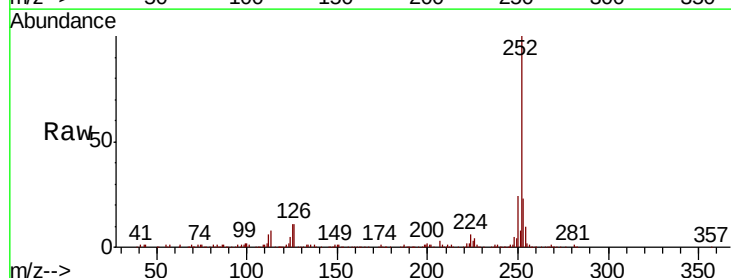
Delta R.T. -0.00 min

Lab File: BF118318.D

Acq: 26 Dec 2019 16:03

Tgt Ion:252 Resp: 347333

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 23.3  | 17.5  | 26.3  |
| 125 | 10.9  | 7.7   | 11.5  |

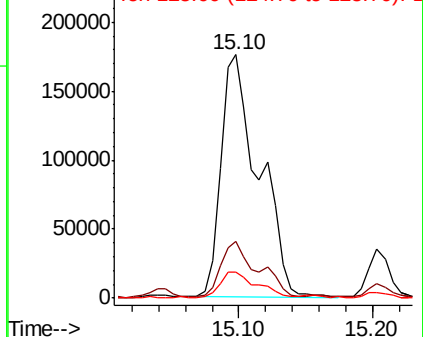
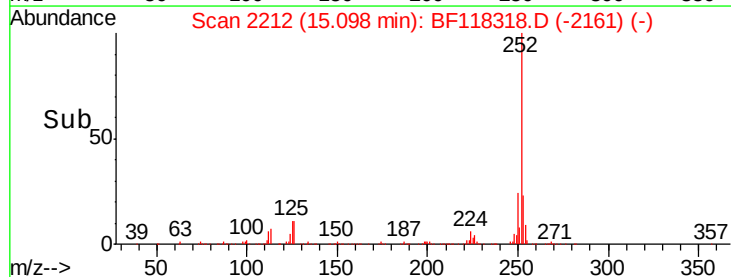


Abundance

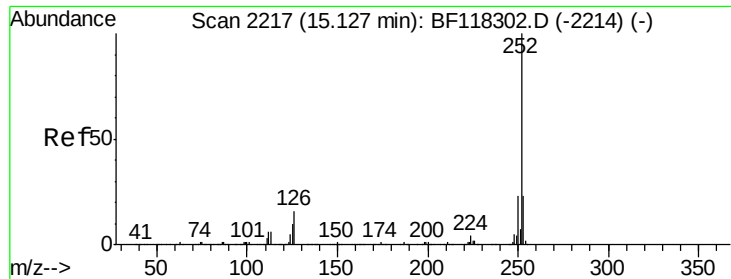
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



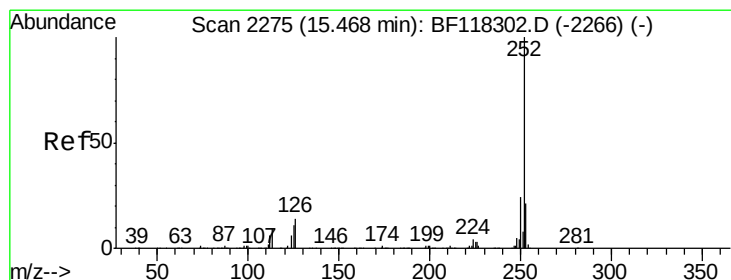
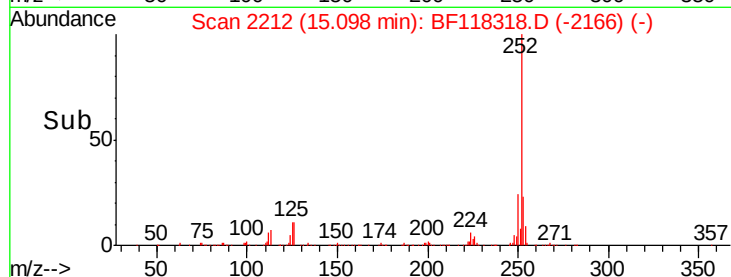
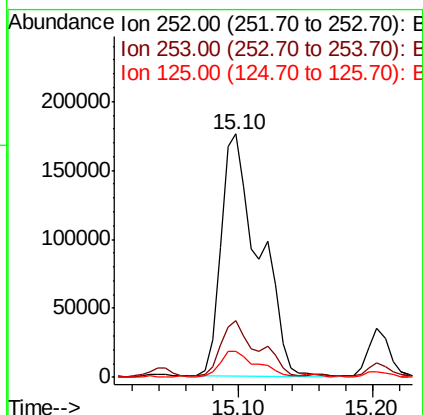
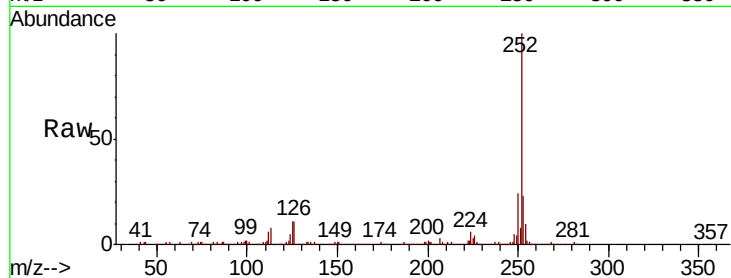




#89  
Benzo(k)fluoranthene  
Concen: 15.227 ng  
RT: 15.10 min Scan# 2212  
Delta R.T. -0.03 min  
Lab File: BF118318.D  
Acq: 26 Dec 2019 16:03

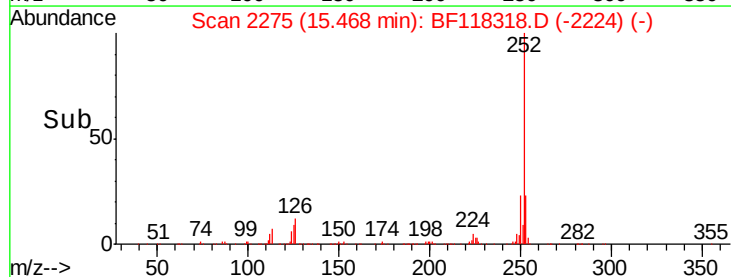
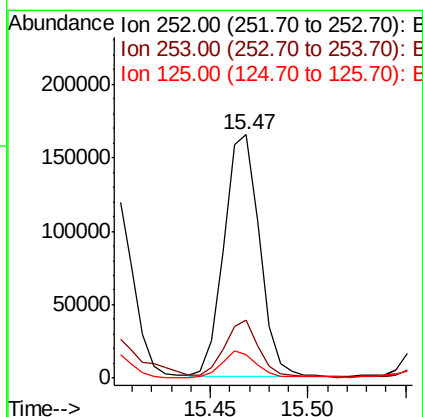
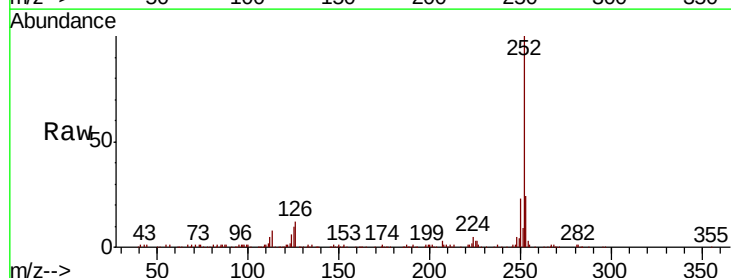
Instrument :  
BNA\_F  
ClientSampleId :

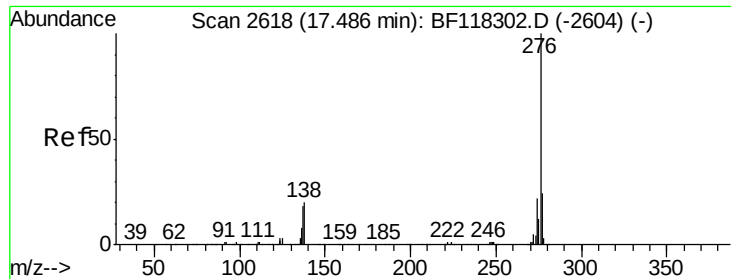
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.3  | 18.0  | 27.0  |
| 125     | 10.9  | 8.0   | 12.0  |



#90  
Benzo(a)pyrene  
Concen: 10.011 ng  
RT: 15.47 min Scan# 2275  
Delta R.T. -0.00 min  
Lab File: BF118318.D  
Acq: 26 Dec 2019 16:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.9  | 17.0  | 25.6  |
| 125     | 9.8   | 9.0   | 13.4  |

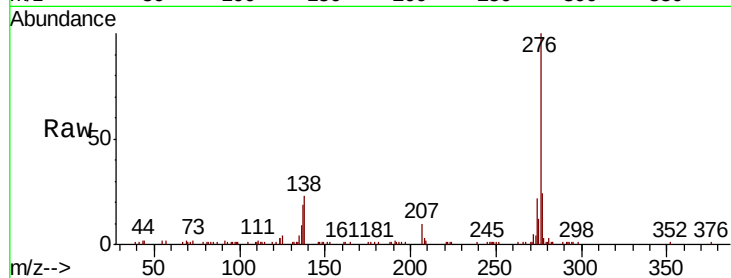




#92  
 Benzo(a,h,i)perylene  
 Concen: 7.017 ng  
 RT: 17.47 min Scan# 2616  
 Delta R.T. -0.01 min  
 Lab File: BF118318.D  
 Acq: 26 Dec 2019 16:03

Instrument :  
 BNA\_F  
 ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 276   | Resp: | 123095 |
| Ion      | Ratio | Lower | Upper  |
| 276      | 100   |       |        |
| 277      | 24.4  | 19.1  | 28.7   |
| 138      | 22.8  | 16.1  | 24.1   |



Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 277.00 (276.70 to 277.70): E  
 Ion 138.00 (137.70 to 138.70): E

