

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\  
 Data File : BF118772.D  
 Acq On : 31 Jan 2020 00:47  
 Operator : CG/JU  
 Sample : L1319-05  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 31 01:26:13 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 27 14:24:10 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.85  | 152  | 239809   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.13  | 136  | 886412   | 20.00 | ng    | -0.02    |
| 39) Acenaphthene-d10      | 9.88  | 164  | 445716   | 20.00 | ng    | -0.02    |
| 64) Phenanthrene-d10      | 11.36 | 188  | 768969   | 20.00 | ng    | -0.02    |
| 76) Chrysene-d12          | 14.00 | 240  | 649532   | 20.00 | ng    | -0.02    |
| 87) Perylene-d12          | 15.47 | 264  | 663695   | 20.00 | ng    | -0.01    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.46  | 112 | 1493158 | 115.64 | ng | -0.02 |
| 7) Phenol-d6                | 6.47  | 99  | 1835751 | 109.39 | ng | -0.02 |
| 23) Nitrobenzene-d5         | 7.40  | 82  | 1213209 | 76.56  | ng | -0.02 |
| 42) 2,4,6-Tribromophenol    | 10.67 | 330 | 575435  | 111.62 | ng | -0.02 |
| 45) 2-Fluorobiphenyl        | 9.20  | 172 | 2249722 | 82.96  | ng | -0.02 |
| 79) Terphenyl-d14           | 12.95 | 244 | 2425195 | 81.44  | ng | -0.01 |

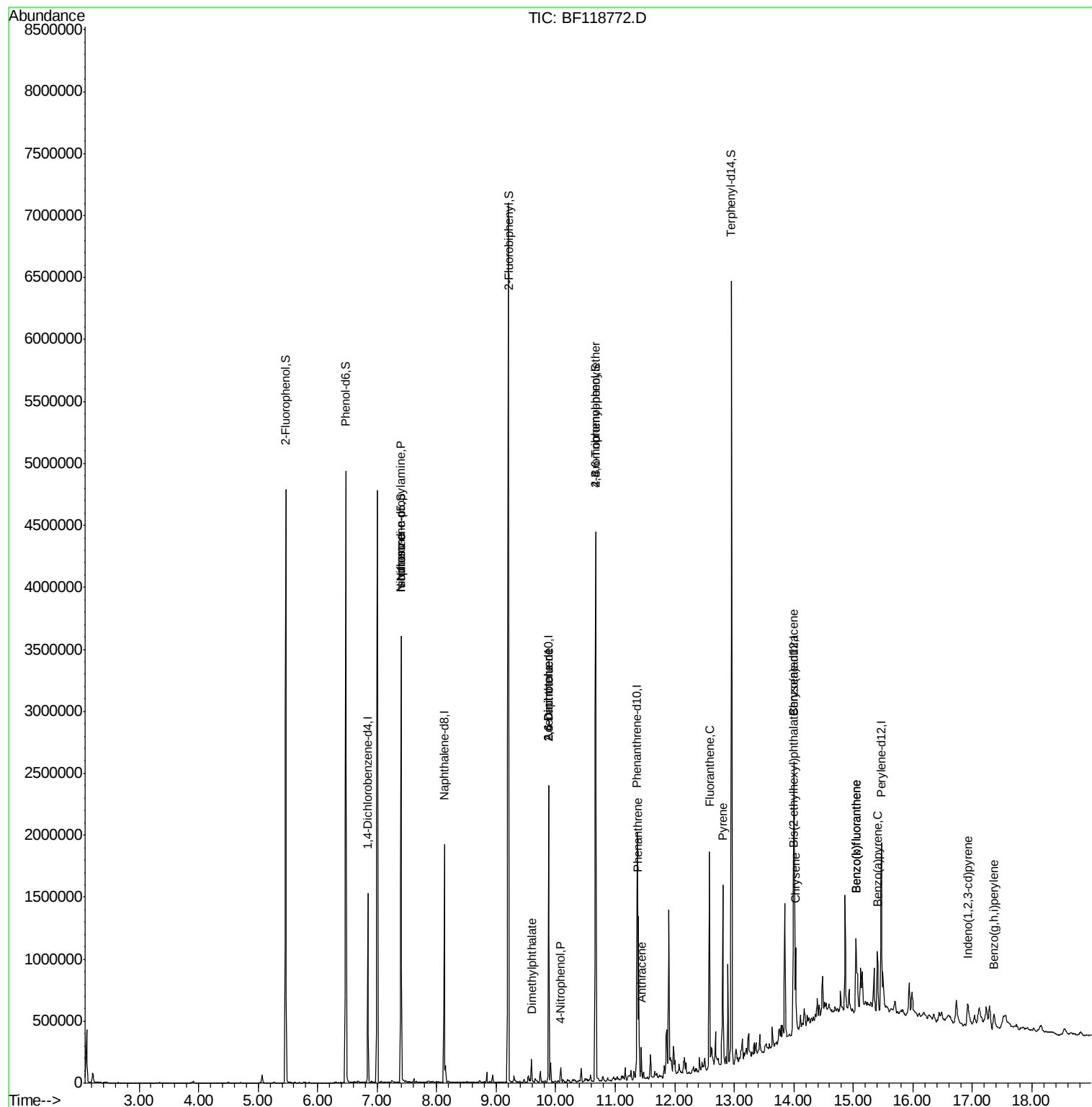
|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70  | 164156  | 14.486 | ng | # 77 |
| 25) Isophorone                 | 7.40  | 82  | 1207252 | 41.766 | ng | # 63 |
| 50) Dimethylphthalate          | 9.59  | 163 | 73535   | 2.532  | ng | 99   |
| 51) 2,6-Dinitrotoluene         | 9.88  | 165 | 58433   | 8.986  | ng | # 29 |
| 56) 4-Nitrophenol              | 10.08 | 139 | 13517   | 2.411  | ng | # 13 |
| 57) 2,4-Dinitrotoluene         | 9.88  | 165 | 58433   | 7.128  | ng | # 30 |
| 67) 4-Bromophenyl-phenylether  | 10.67 | 248 | 36728   | 3.866  | ng | # 1  |
| 71) Phenanthrene               | 11.39 | 178 | 487042  | 13.128 | ng | 98   |
| 72) Anthracene                 | 11.44 | 178 | 90635   | 2.469  | ng | 97   |
| 75) Fluoranthene               | 12.58 | 202 | 661503  | 16.906 | ng | 97   |
| 78) Pyrene                     | 12.81 | 202 | 597972  | 13.560 | ng | 97   |
| 81) Benzo(a)anthracene         | 14.00 | 228 | 304598  | 7.796  | ng | 99   |
| 83) Chrysene                   | 14.03 | 228 | 297212  | 7.937  | ng | 97   |
| 84) Bis(2-ethylhexyl)phthalate | 13.99 | 149 | 117760  | 5.341  | ng | 98   |
| 86) Indeno(1,2,3-cd)pyrene     | 16.92 | 276 | 118821  | 3.652  | ng | 97   |
| 88) Benzo(b)fluoranthene       | 15.04 | 252 | 462119  | 11.077 | ng | 97   |
| 89) Benzo(k)fluoranthene       | 15.04 | 252 | 462119  | 11.957 | ng | 98   |
| 90) Benzo(a)pyrene             | 15.40 | 252 | 242436  | 6.737  | ng | 96   |
| 92) Benzo(a,h,i)perylene       | 17.36 | 276 | 106763  | 3.454  | ng | 98   |

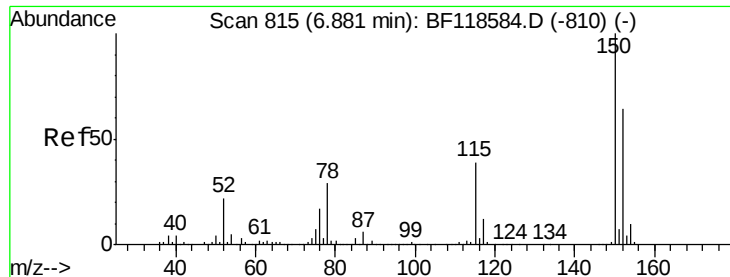
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF013020\  
Data File : BF118772.D  
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Instrument :  
BNA\_F  
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Quant Time: Jan 31 01:26:13 2020  
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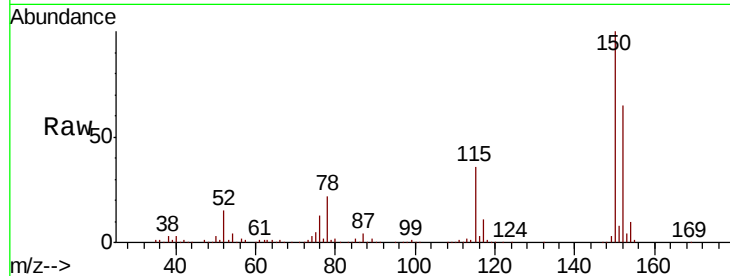


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.85 min Scan# 809  
Delta R.T. -0.02 min  
Lab File: BF118772.D  
Acq: 31 Jan 2020 00:47

Instrument :  
BNA\_F  
ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.0 | 123.7 | 185.5 |
| 115     | 56.0  | 45.1  | 67.7  |

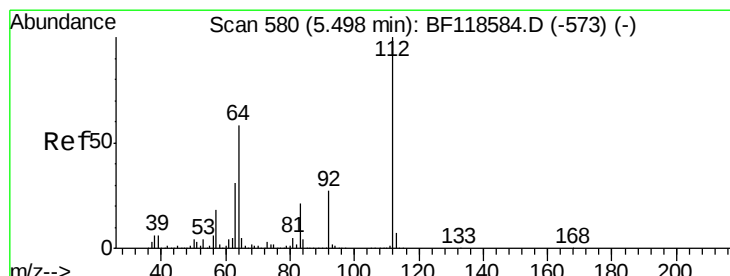
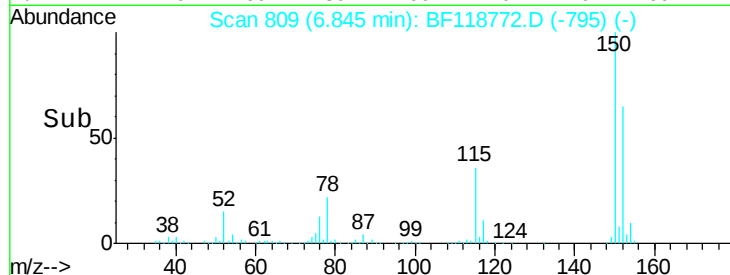
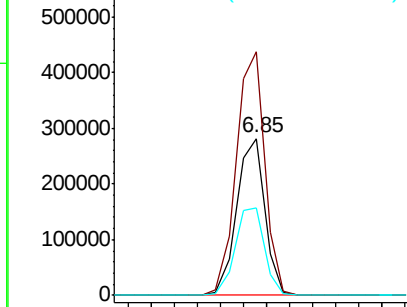


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

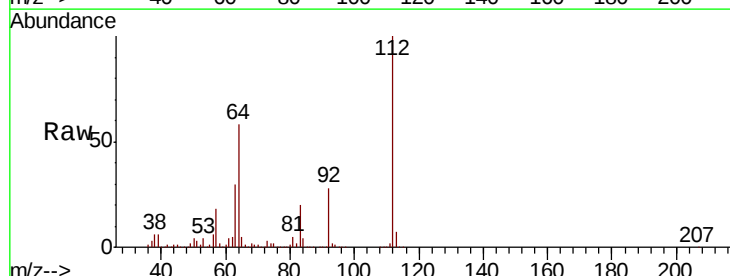
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 115.641 ng  
RT: 5.46 min Scan# 574  
Delta R.T. -0.02 min  
Lab File: BF118772.D  
Acq: 31 Jan 2020 00:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 57.9  | 42.4  | 63.6  |
| 63      | 30.2  | 21.7  | 32.5  |

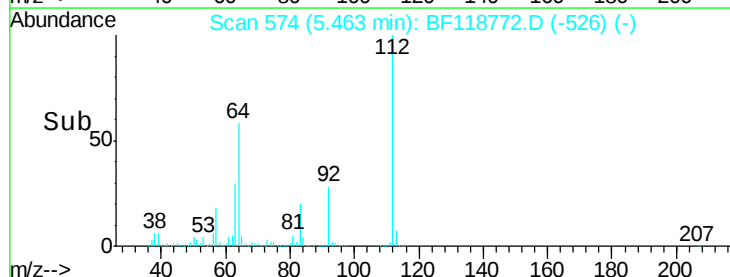
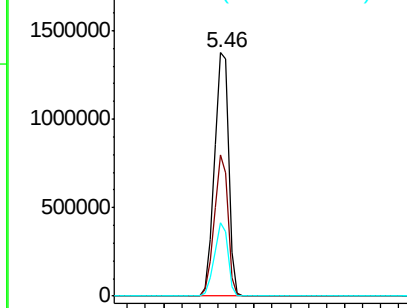


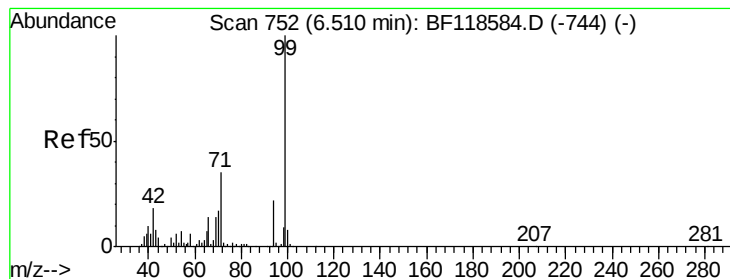
Abundance

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: 109.386 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

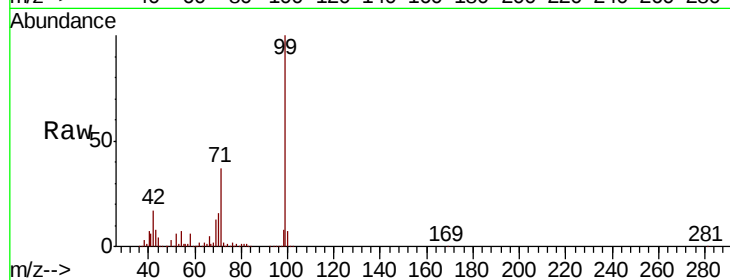
Instrument :

BNA\_F

ClientSampleId :

Tot Ion: 99 Resp: 1835751

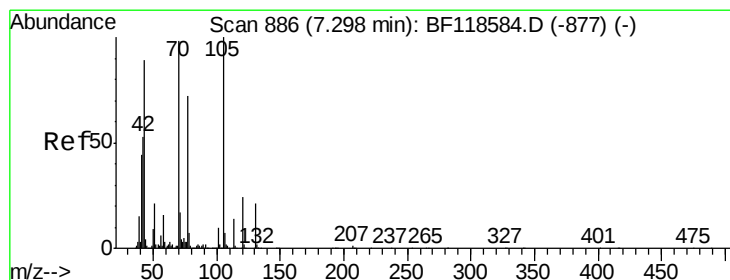
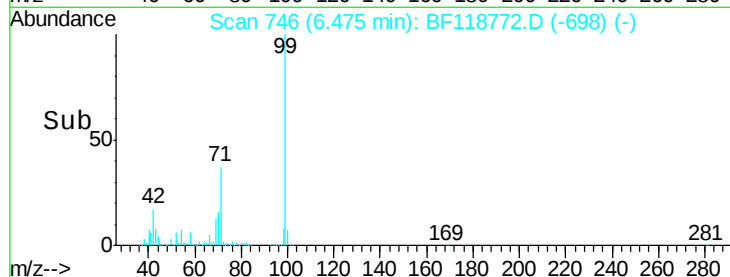
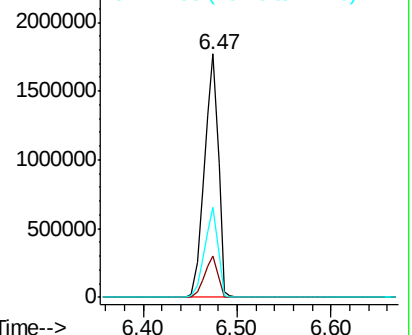
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 17.0  | 13.1  | 19.7  |
| 71  | 36.8  | 28.4  | 42.6  |



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.486 ng

RT: 7.40 min Scan# 904

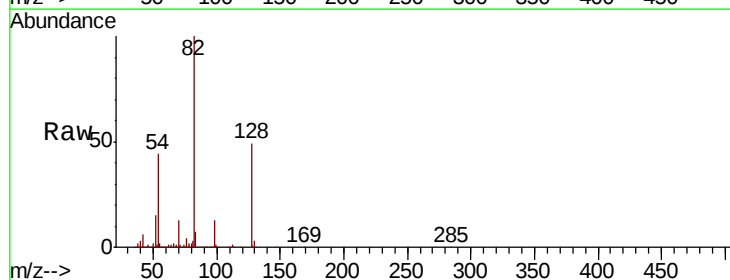
Delta R.T. 0.13 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

Tgt Ion: 70 Resp: 164156

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 70  | 100   |       |       |
| 42  | 42.8  | 41.6  | 62.4  |
| 101 | 0.0   | 7.9   | 11.9# |
| 130 | 2.5   | 19.0  | 28.6# |

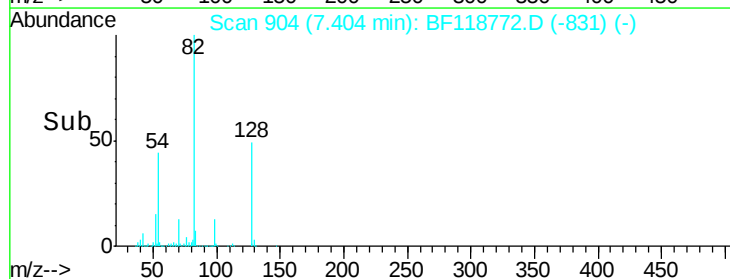
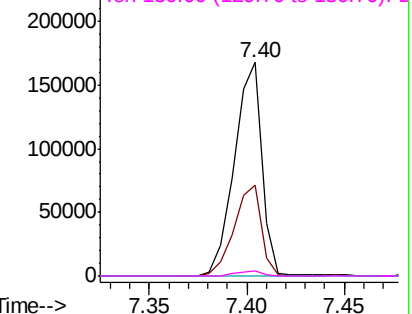


Abundance Ion 70.00 (69.70 to 70.70): BF1

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





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

Instrument :

BNA\_F

ClientSampled :

Tot Ion:136 Resp: 886412

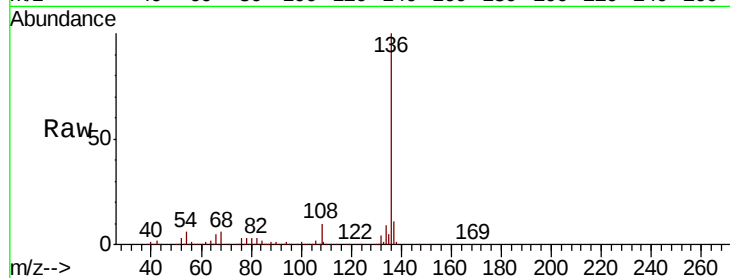
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 6.1 5.1 7.7

68 5.7 4.3 6.5

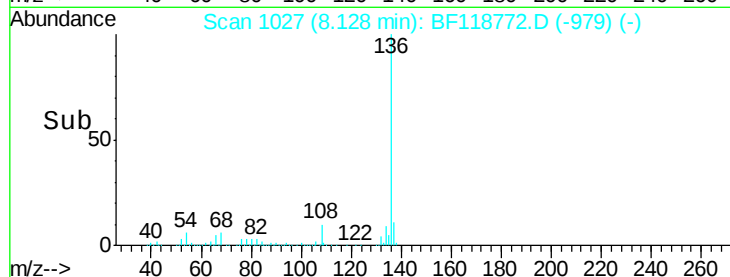


Abundance Ion 136.00 (135.70 to 136.70): E

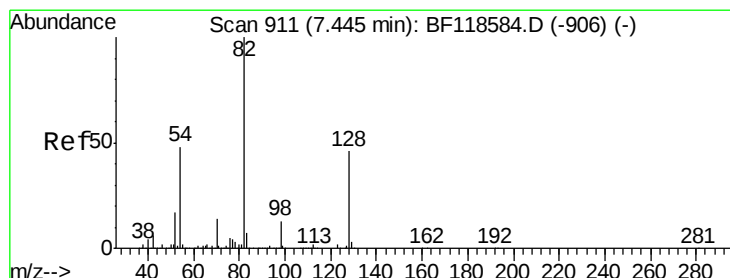
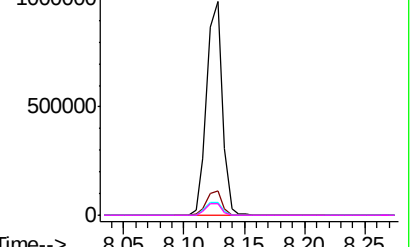
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 76.555 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.02 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

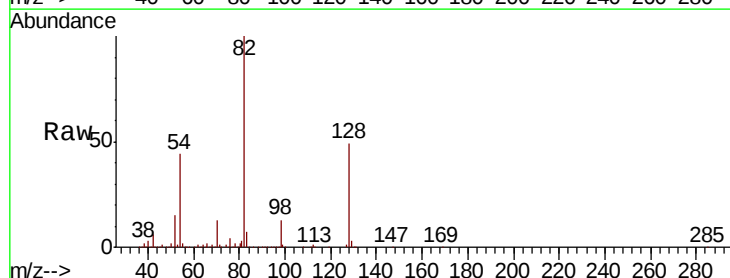
Tgt Ion: 82 Resp: 1213209

Ion Ratio Lower Upper

82 100

128 48.8 38.2 57.2

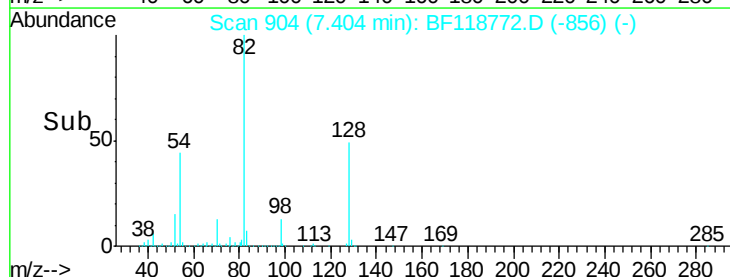
54 43.8 36.1 54.1



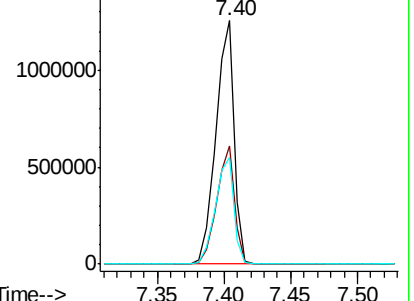
Abundance Ion 82.00 (81.70 to 82.70): BF1

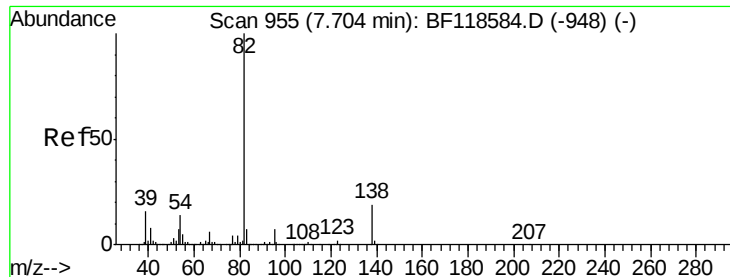
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#25

Isophorone

Concen: 41.766 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.28 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

Instrument :

BNA\_F

ClientSampleId :

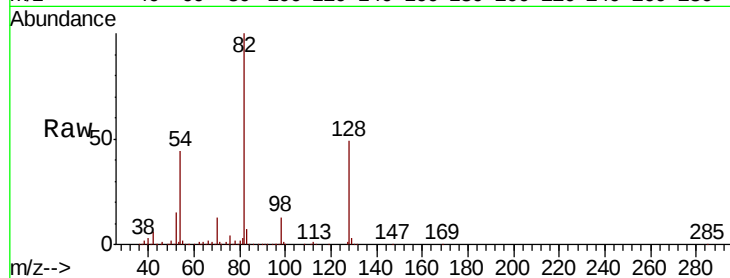
Tot Ion: 82 Resp: 1207252

Ion Ratio Lower Upper

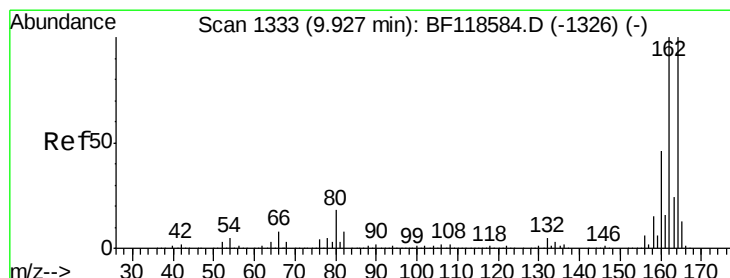
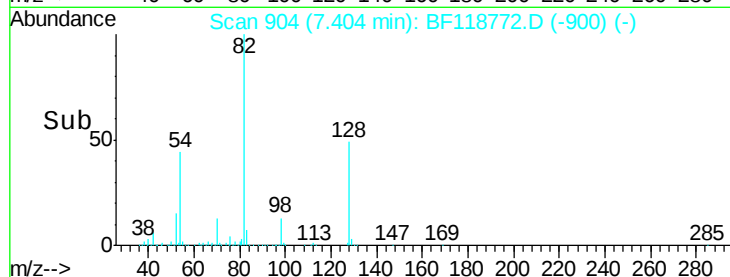
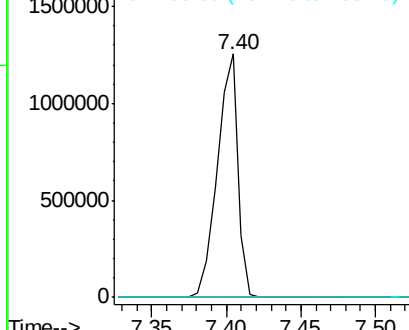
82 100

95 0.0 5.8 8.8#

138 0.0 15.8 23.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

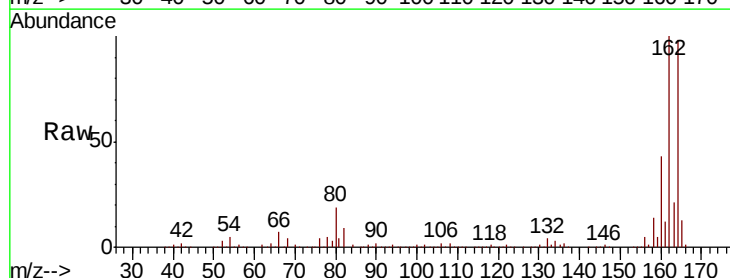
Tgt Ion:164 Resp: 445716

Ion Ratio Lower Upper

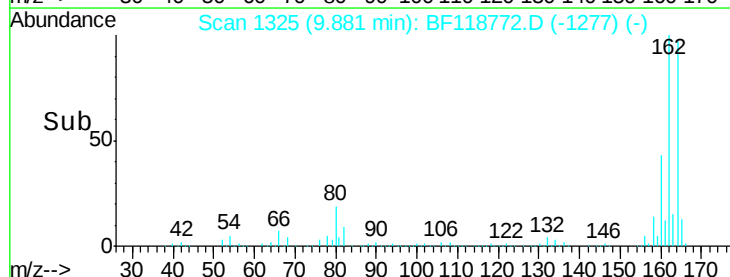
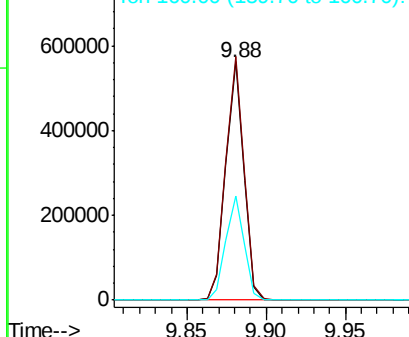
164 100

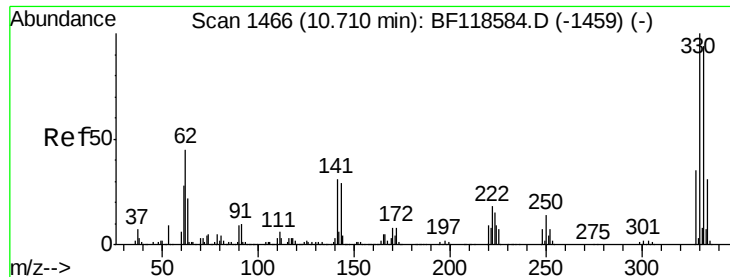
162 102.2 80.8 121.2

160 43.9 35.4 53.0



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: 111.621 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.02 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

Instrument :

BNA\_F

ClientSampleId :

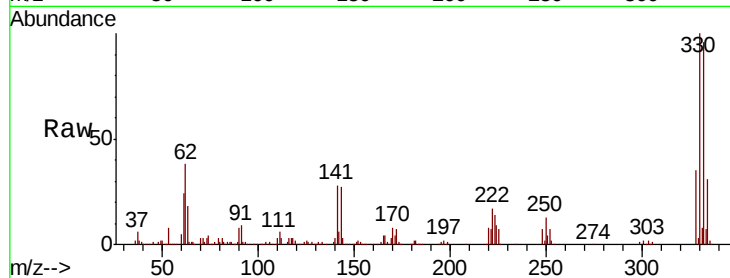
Tot Ion:330 Resp: 575435

Ion Ratio Lower Upper

330 100

332 96.0 77.6 116.4

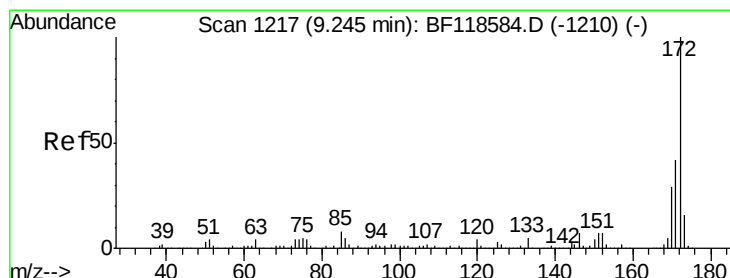
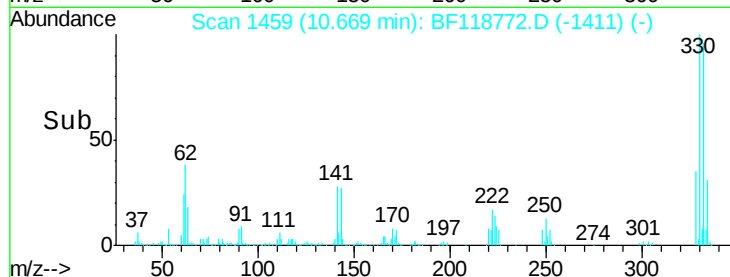
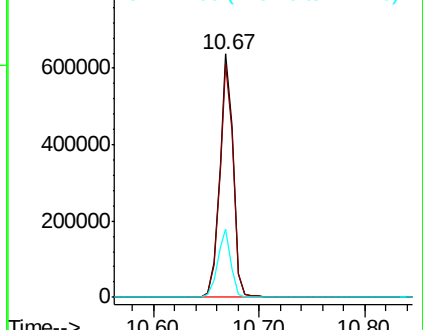
141 28.0 22.2 33.2



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: 82.960 ng

RT: 9.20 min Scan# 1210

Delta R.T. -0.02 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

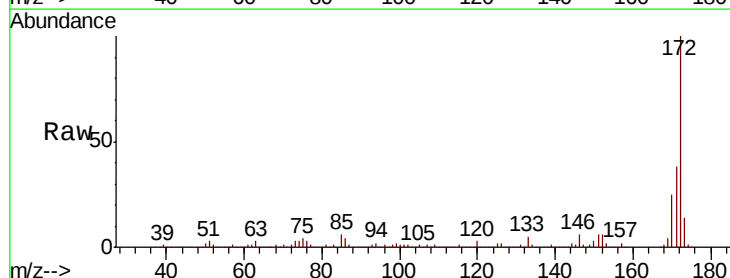
Tgt Ion:172 Resp: 2249722

Ion Ratio Lower Upper

172 100

171 37.7 31.0 46.4

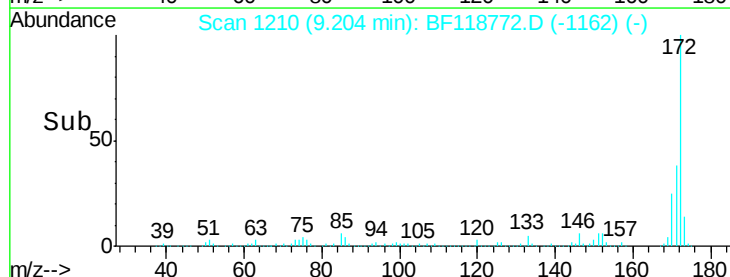
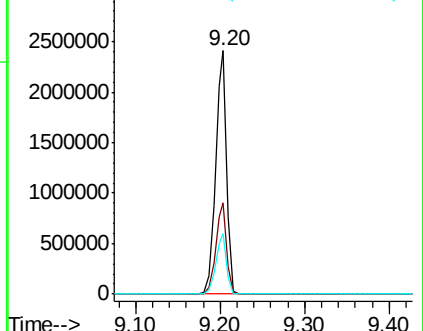
170 25.1 20.7 31.1

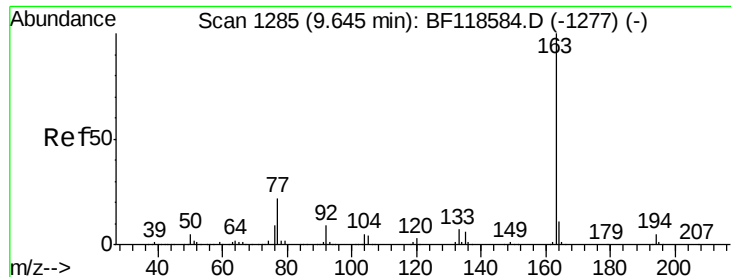


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

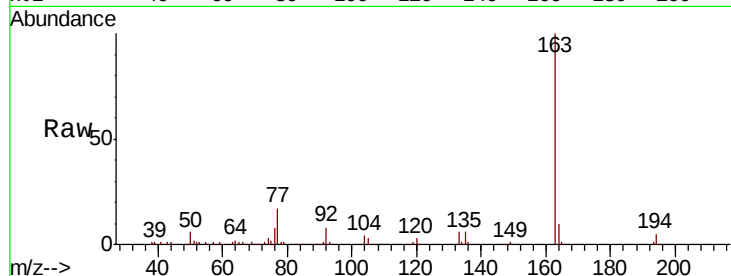




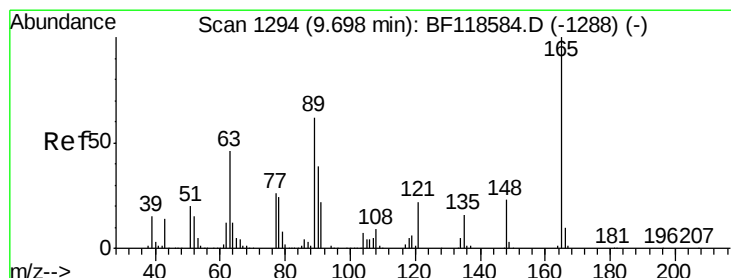
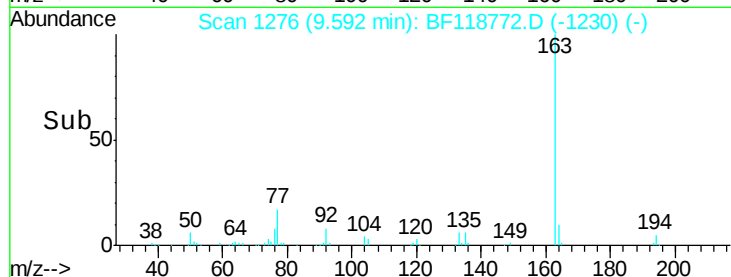
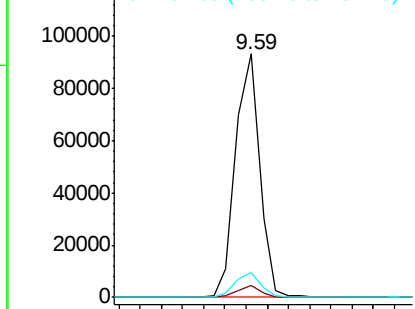
#50  
Dimethylphthalate  
Concen: 2.532 ng  
RT: 9.59 min Scan# 1276  
Delta R.T. -0.03 min  
Lab File: BF118772.D  
Acq: 31 Jan 2020 00:47

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 73535  
Ion Ratio Lower Upper  
163 100  
194 4.8 3.7 5.5  
164 10.0 8.2 12.2

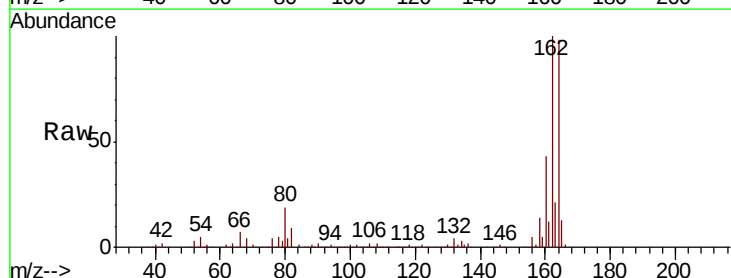


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

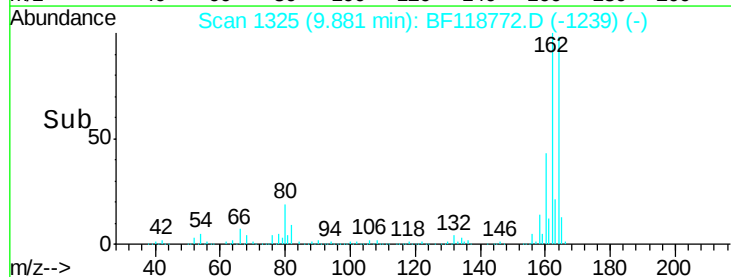
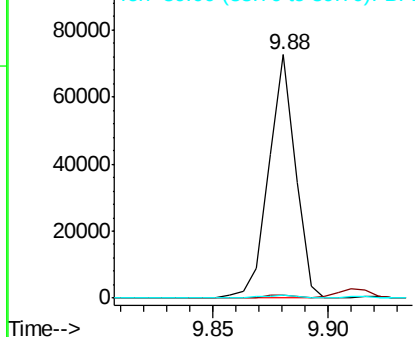


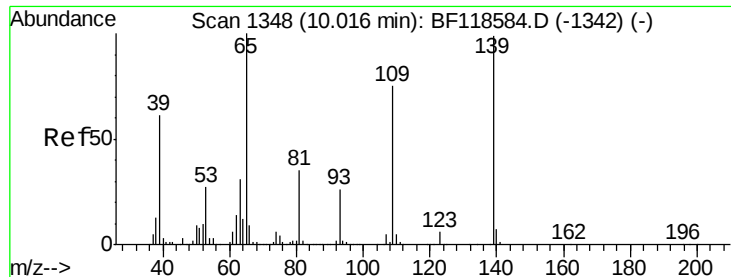
#51  
2,6-Dinitrotoluene  
Concen: 8.986 ng  
RT: 9.88 min Scan# 1325  
Delta R.T. 0.21 min  
Lab File: BF118772.D  
Acq: 31 Jan 2020 00:47

Tgt Ion:165 Resp: 58433  
Ion Ratio Lower Upper  
165 100  
63 1.1 39.8 59.6#  
89 1.5 41.4 62.2#



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





#56

4-Nitrophenol

Concen: 2.411 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.08 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

Instrument :

BNA\_F

ClientSampleId :

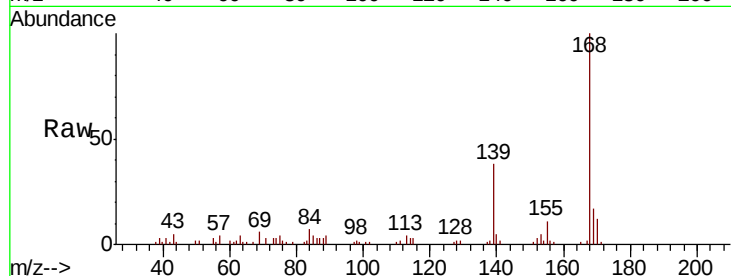
Tot Ion:139 Resp: 13517

Ion Ratio Lower Upper

139 100

109 0.0 47.0 87.0#

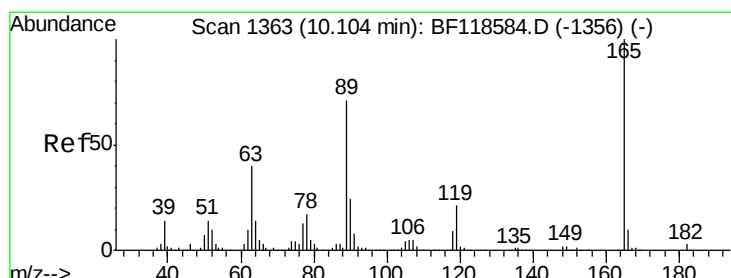
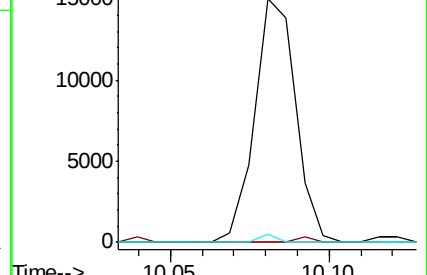
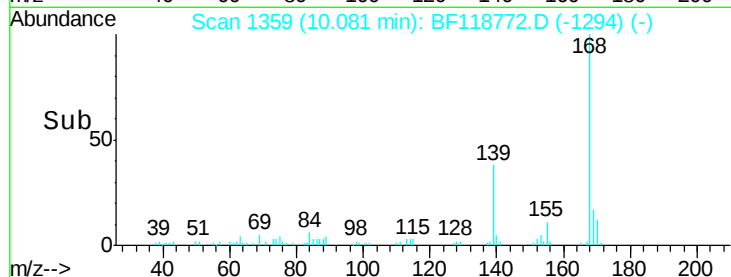
65 3.3 65.7 105.7#



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: 7.128 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.20 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

Tgt Ion:165 Resp: 58433

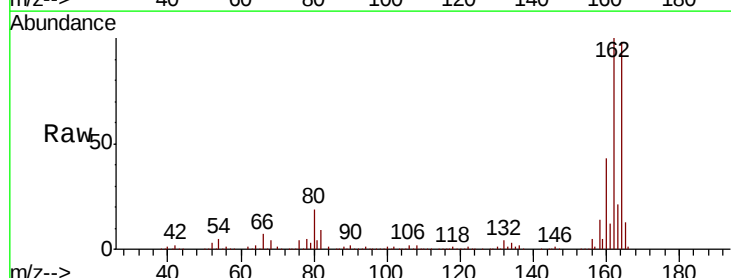
Ion Ratio Lower Upper

165 100

63 1.1 28.5 42.7#

89 1.5 50.4 75.6#

182 0.0 2.3 3.5#

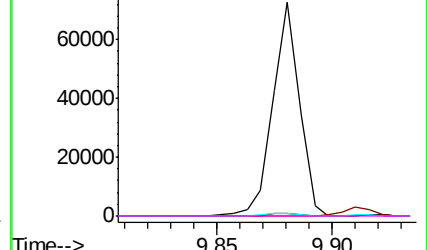
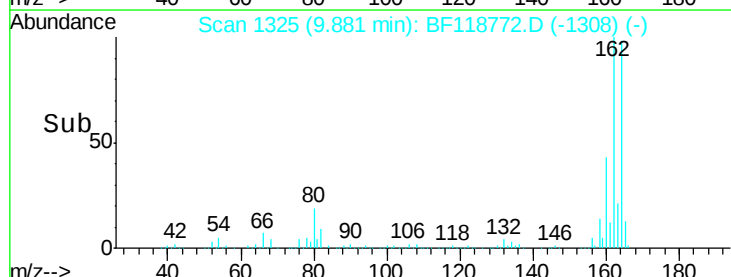


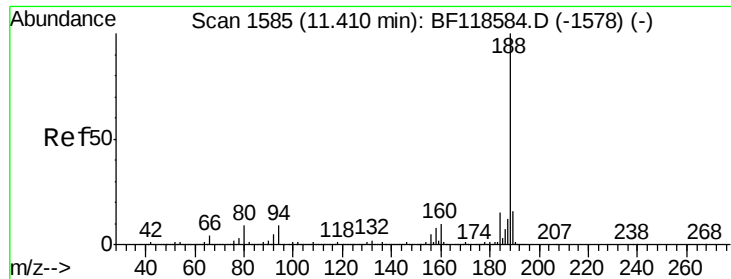
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 1577

Delta R.T. -0.02 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

Instrument :

BNA\_F

ClientSampled :

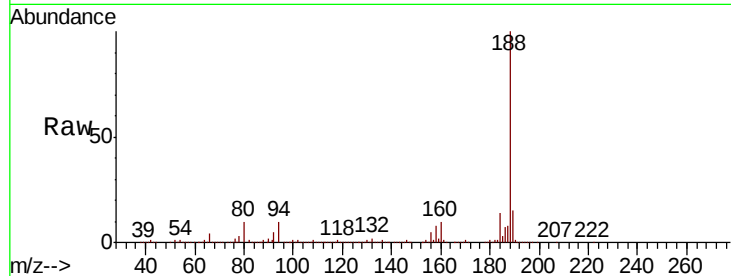
Tot Ion:188 Resp: 768969

Ion Ratio Lower Upper

188 100

94 9.9 7.4 11.2

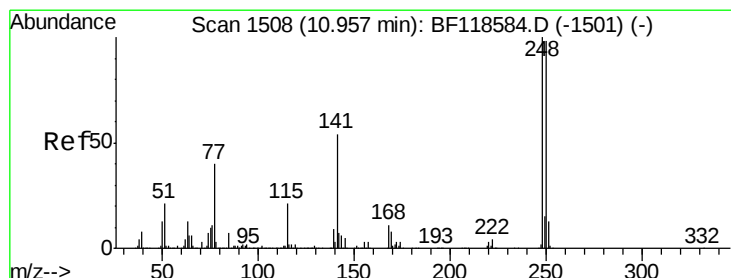
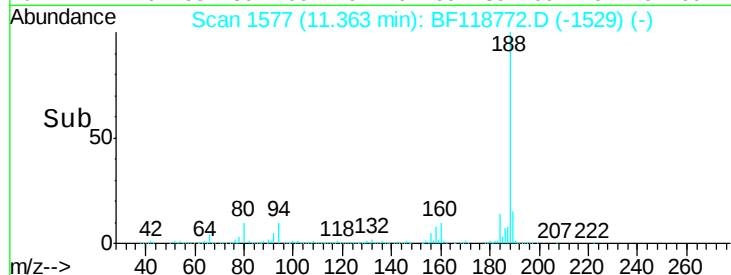
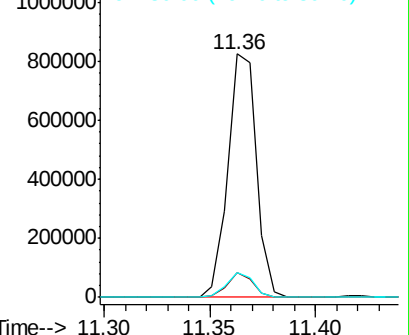
80 10.3 7.8 11.8



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: 3.866 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.26 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

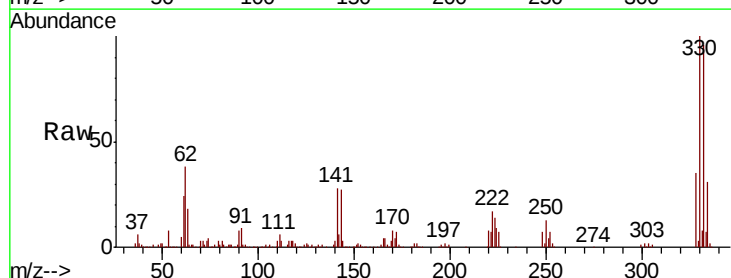
Tgt Ion:248 Resp: 36728

Ion Ratio Lower Upper

248 100

250 201.1 78.7 118.1#

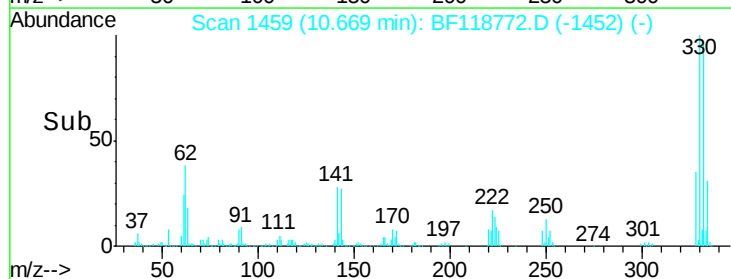
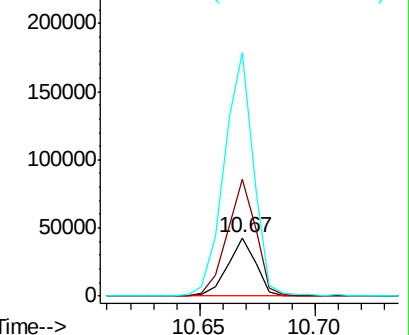
141 417.7 48.4 72.6#

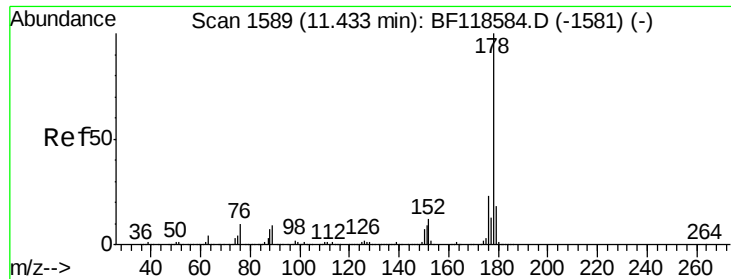


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

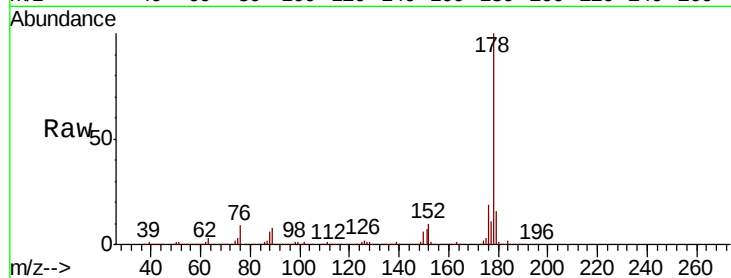




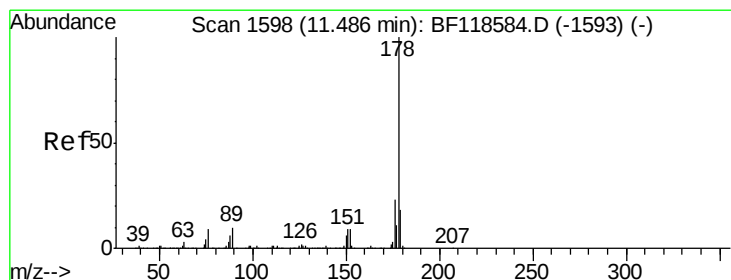
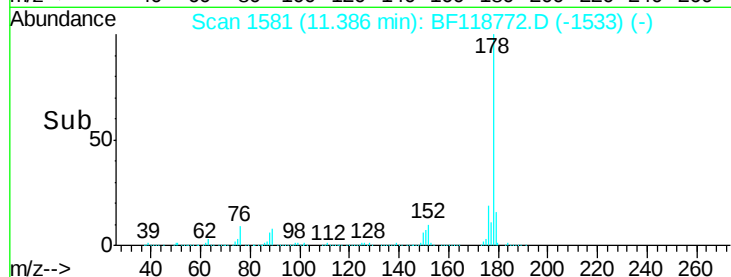
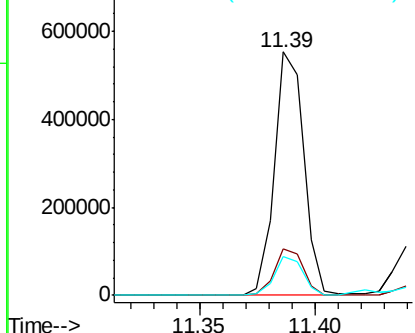
#71  
Phenanthrene  
Concen: 13.128 ng  
RT: 11.39 min Scan# 1581  
Delta R.T. -0.02 min  
Lab File: BF118772.D  
Acq: 31 Jan 2020 00:47

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:178 Resp: 487042  
Ion Ratio Lower Upper  
178 100  
176 19.1 16.5 24.7  
179 16.0 13.3 19.9

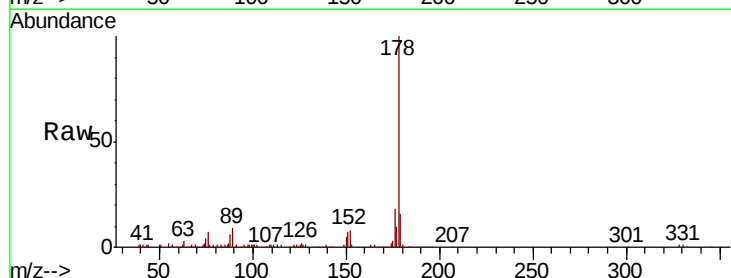


Abundance Ion 178.00 (177.70 to 178.70): E  
Ion 176.00 (175.70 to 176.70): E  
Ion 179.00 (178.70 to 179.70): E

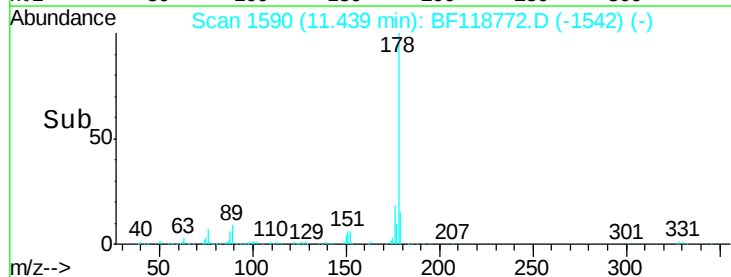
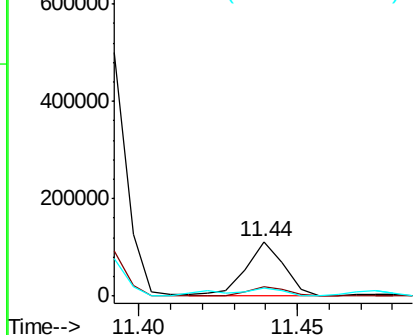


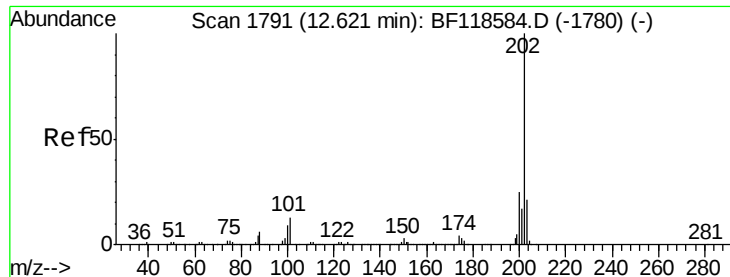
#72  
Anthracene  
Concen: 2.469 ng  
RT: 11.44 min Scan# 1590  
Delta R.T. -0.02 min  
Lab File: BF118772.D  
Acq: 31 Jan 2020 00:47

Tgt Ion:178 Resp: 90635  
Ion Ratio Lower Upper  
178 100  
176 18.2 15.8 23.8  
179 15.6 13.3 19.9



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: 16.906 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

Instrument :

BNA\_F

ClientSampled :

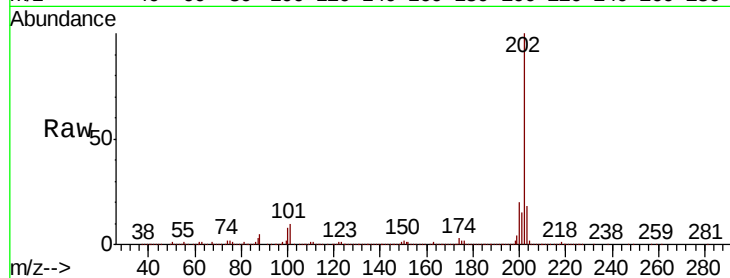
Tot Ion:202 Resp: 661503

Ion Ratio Lower Upper

202 100

101 10.3 0.0 32.1

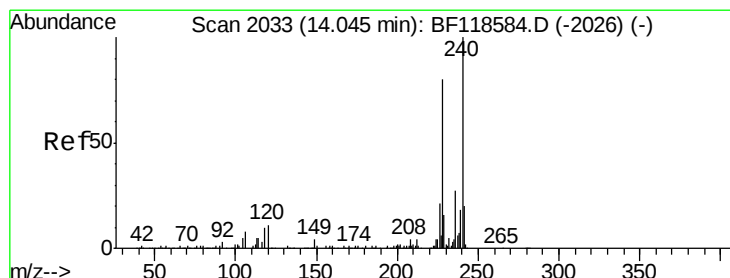
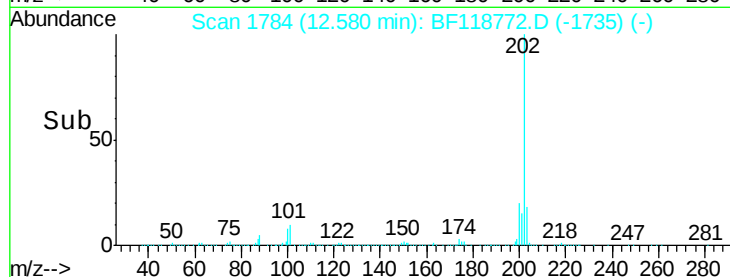
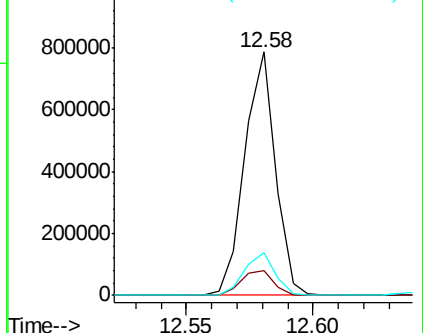
203 17.6 0.0 38.9



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: 14.00 min Scan# 2026

Delta R.T. -0.02 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

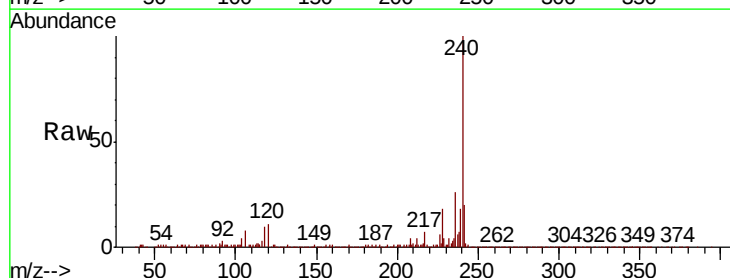
Tgt Ion:240 Resp: 649532

Ion Ratio Lower Upper

240 100

120 11.1 7.6 11.4

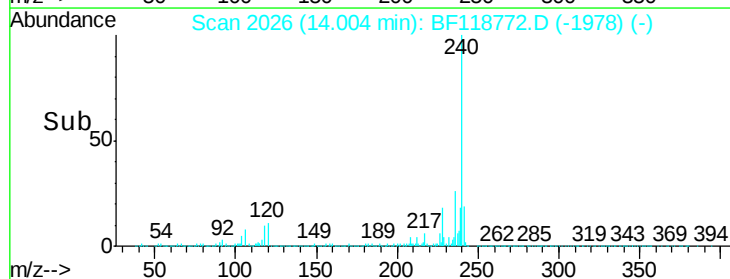
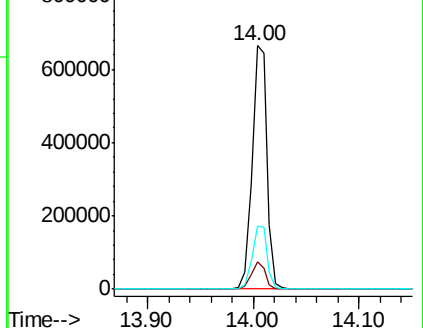
236 26.2 21.0 31.4

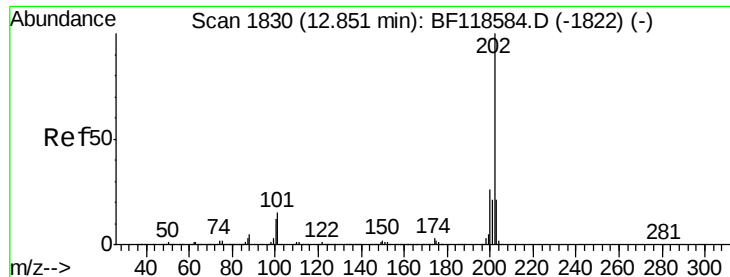


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

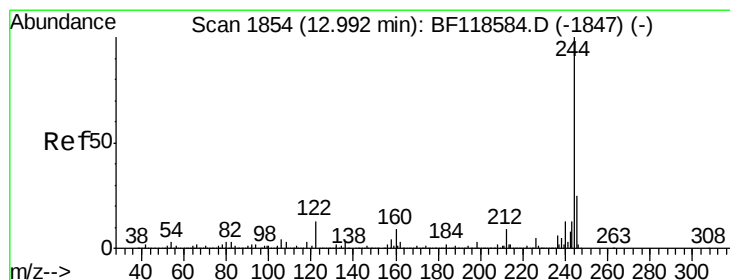
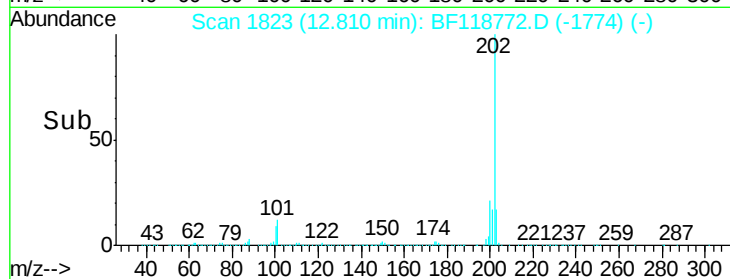
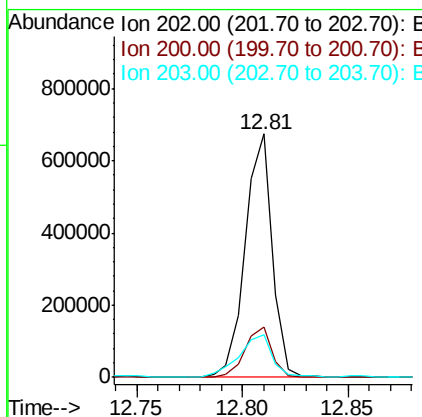
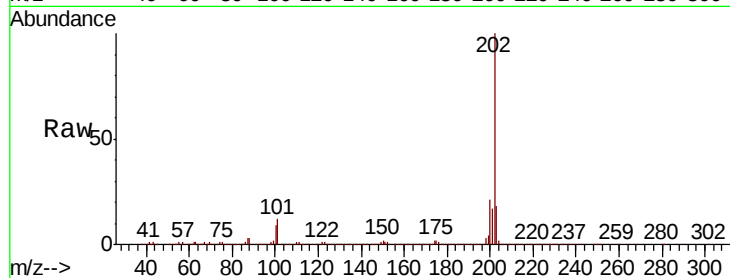




#78  
Pvrene  
Concen: 13.560 ng  
RT: 12.81 min Scan# 1823  
Delta R.T. -0.01 min  
Lab File: BF118772.D  
Acq: 31 Jan 2020 00:47

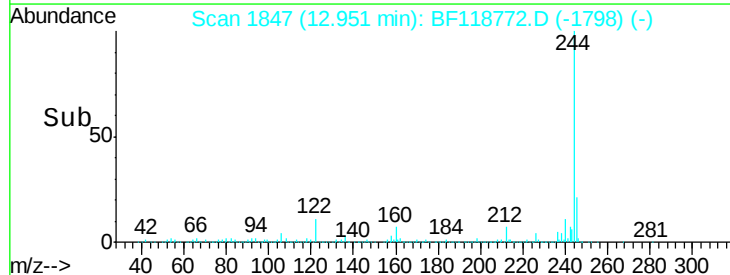
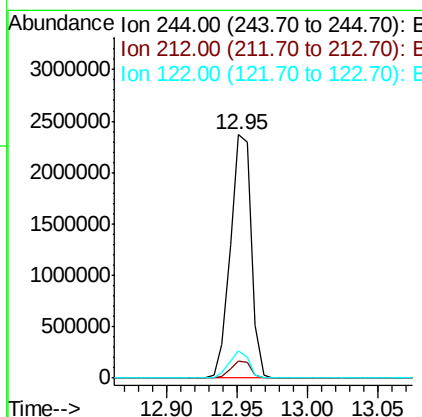
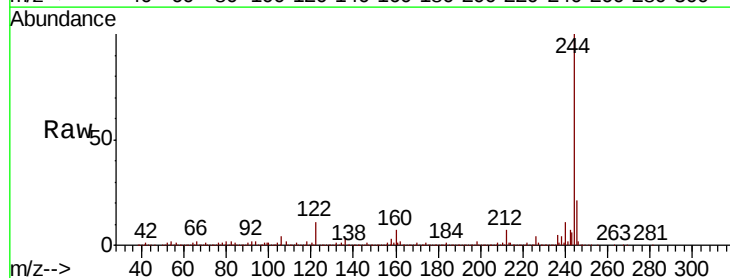
Instrument :  
BNA\_F  
ClientSampleId :

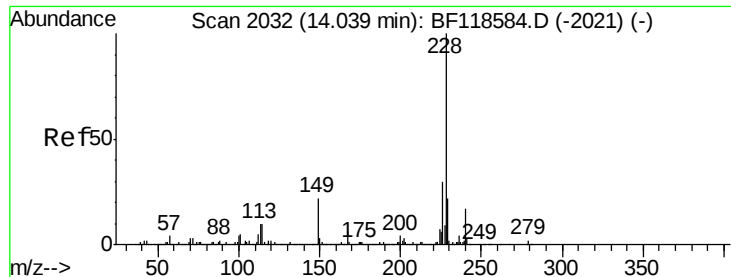
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 20.8  | 18.1  | 27.1  |
| 203     | 17.6  | 15.2  | 22.8  |



#79  
Terphenyl-d14  
Concen: 81.437 ng  
RT: 12.95 min Scan# 1847  
Delta R.T. -0.01 min  
Lab File: BF118772.D  
Acq: 31 Jan 2020 00:47

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.2   | 6.3   | 9.5   |
| 122     | 11.2  | 9.2   | 13.8  |





#81

Benzo(a)anthracene

Concen: 7.796 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

Instrument :

BNA\_F

ClientSampleId :

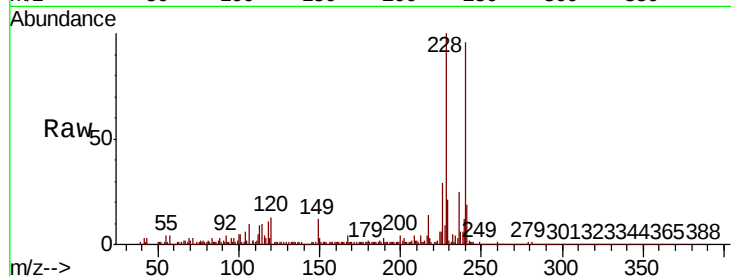
Tot Ion:228 Resp: 304598

Ion Ratio Lower Upper

228 100

226 29.1 22.6 34.0

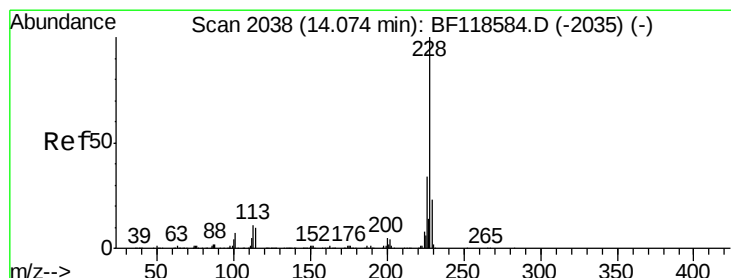
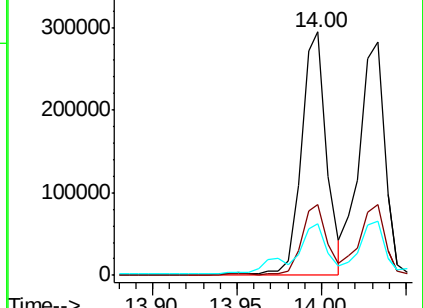
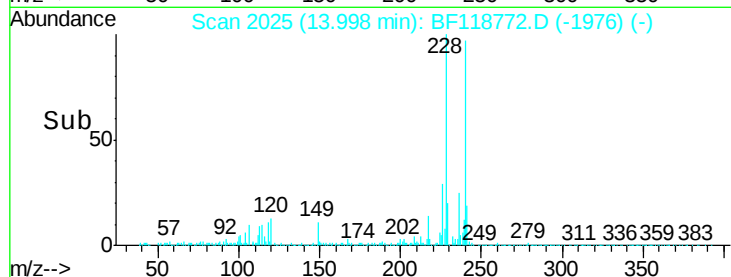
229 21.1 16.6 25.0



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: 7.937 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

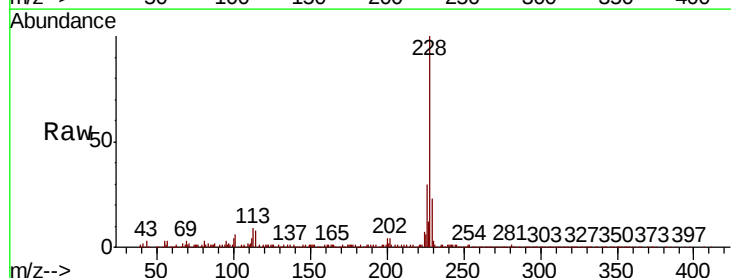
Tgt Ion:228 Resp: 297212

Ion Ratio Lower Upper

228 100

226 30.1 25.6 38.4

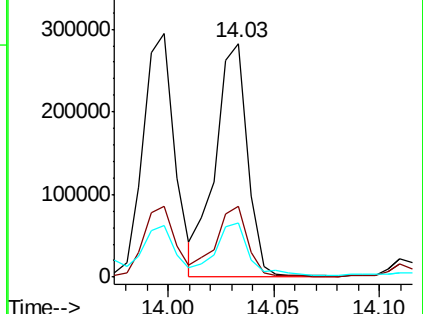
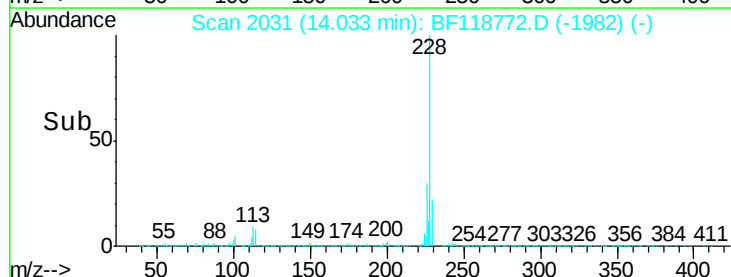
229 23.0 17.1 25.7

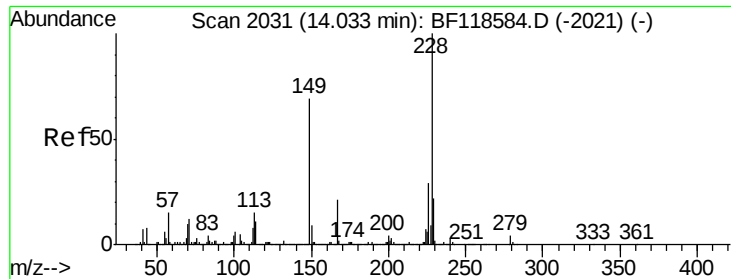


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.341 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

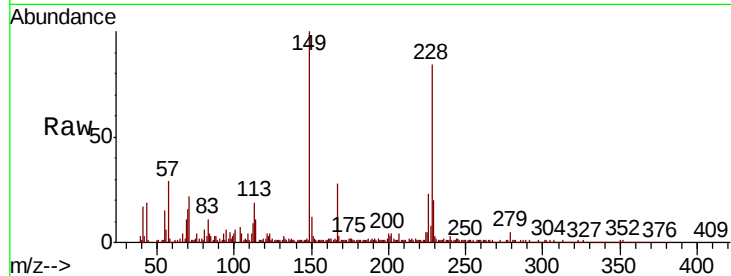
Instrument :

BNA\_F

ClientSampleId :

Tot Ion:149 Resp: 117760

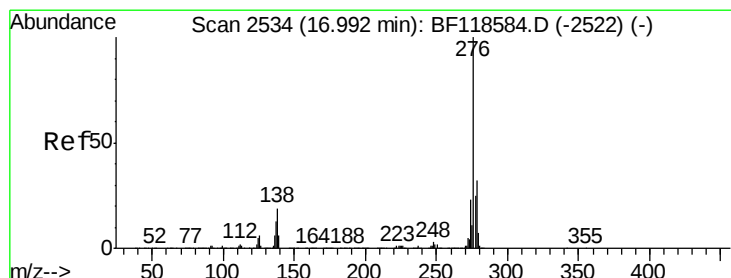
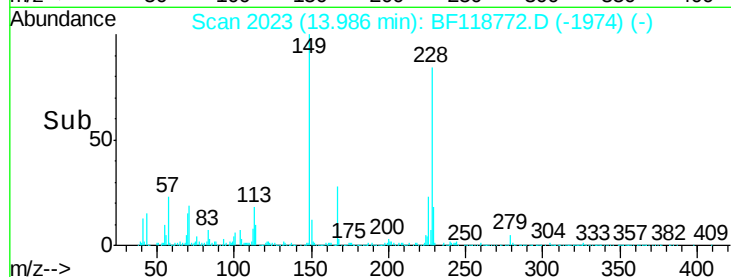
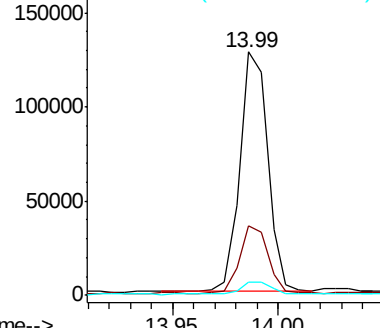
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 28.3  | 23.6  | 35.4  |
| 279 | 5.4   | 4.5   | 6.7   |



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.652 ng

RT: 16.92 min Scan# 2522

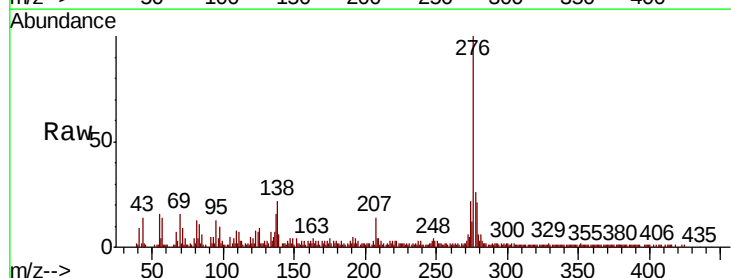
Delta R.T. -0.03 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

Tgt Ion:276 Resp: 118821

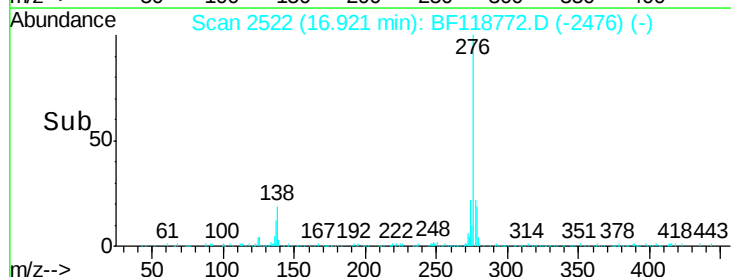
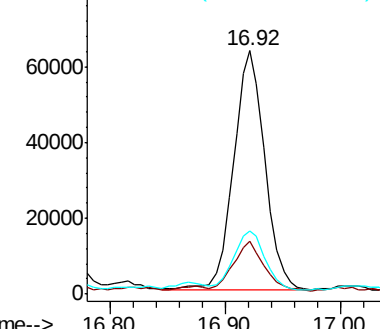
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 20.3  | 18.2  | 27.4  |
| 277 | 25.1  | 20.4  | 30.6  |

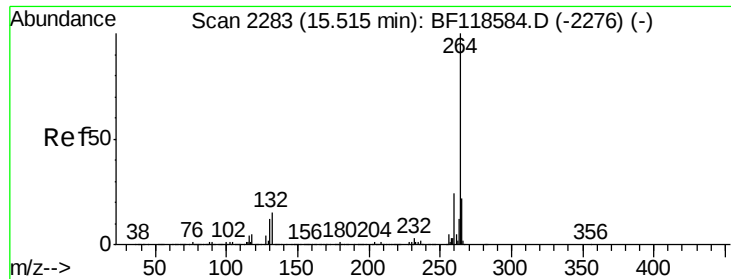


Abundance Ion 276.00 (275.70 to 276.70): E

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: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

Instrument :

BNA\_F

ClientSampleId :

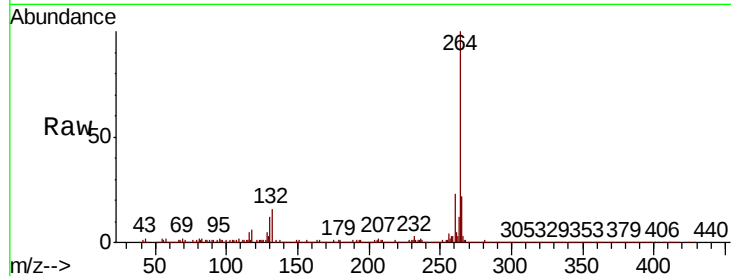
Tot Ion:264 Resp: 663695

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

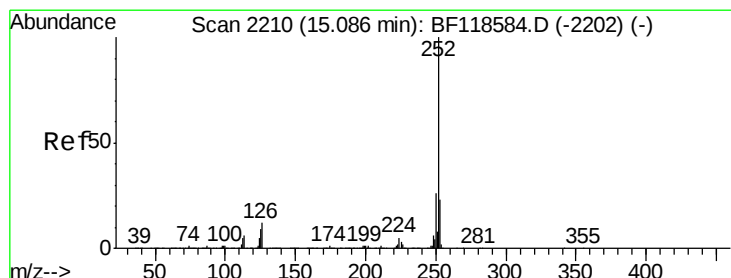
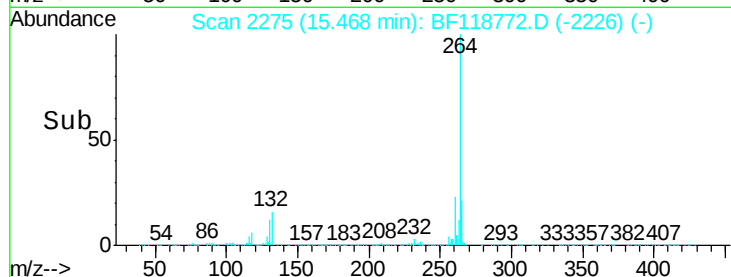
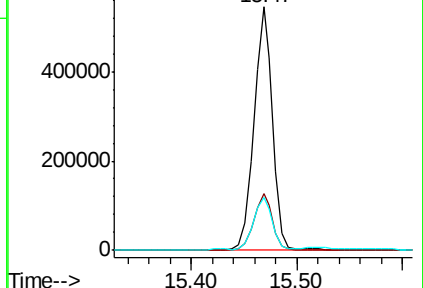
265 21.6 17.0 25.6



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: 11.077 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

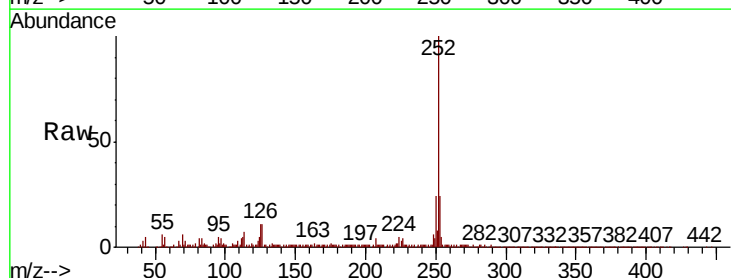
Tgt Ion:252 Resp: 462119

Ion Ratio Lower Upper

252 100

253 23.9 18.2 27.4

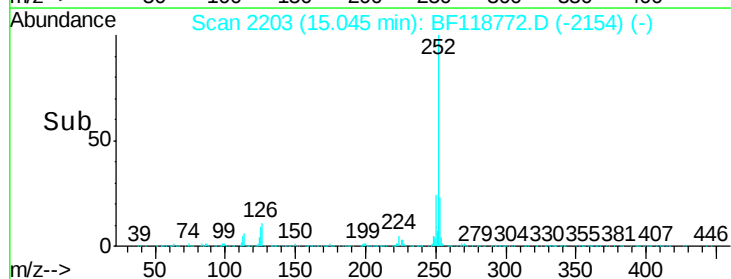
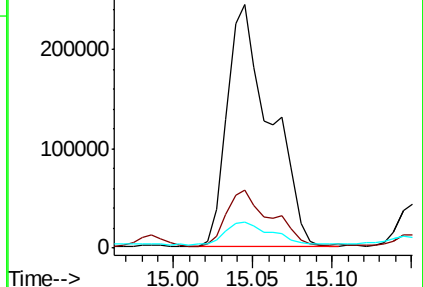
125 10.7 7.7 11.5

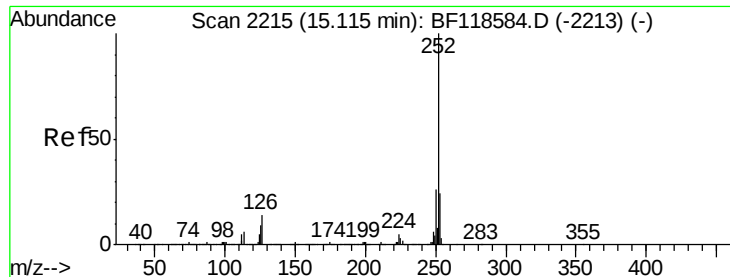


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

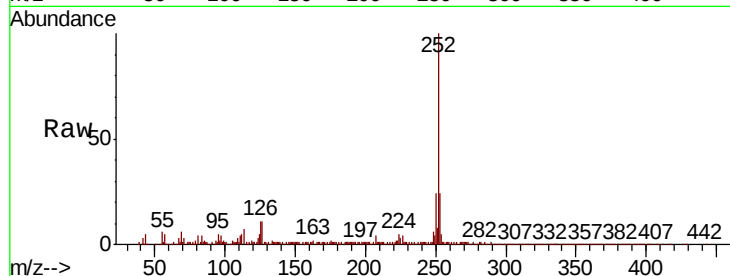




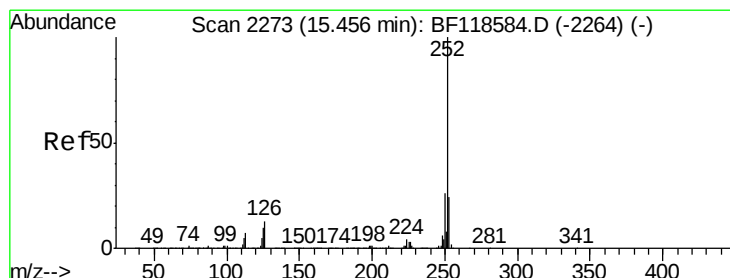
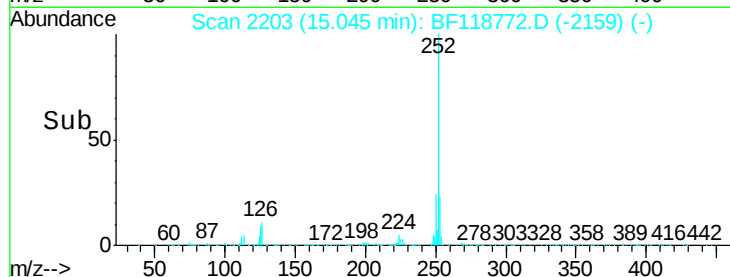
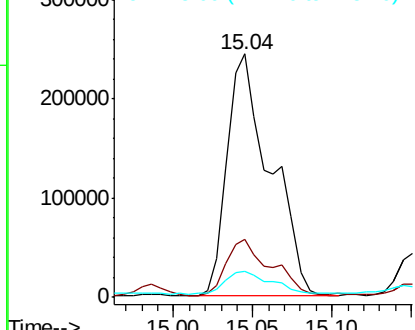
#89  
Benzo(k)fluoranthene  
Concen: 11.957 ng  
RT: 15.04 min Scan# 2203  
Delta R.T. -0.04 min  
Lab File: BF118772.D  
Acq: 31 Jan 2020 00:47

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 462119  
Ion Ratio Lower Upper  
252 100  
253 23.9 18.4 27.6  
125 10.7 8.1 12.1

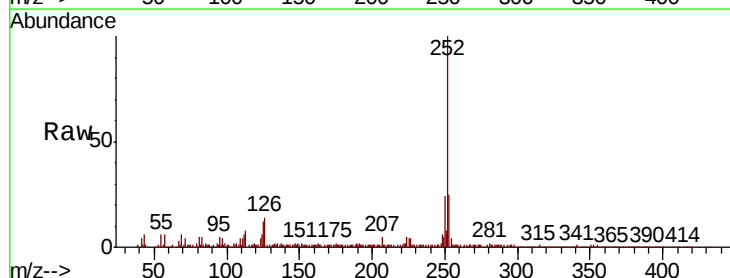


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

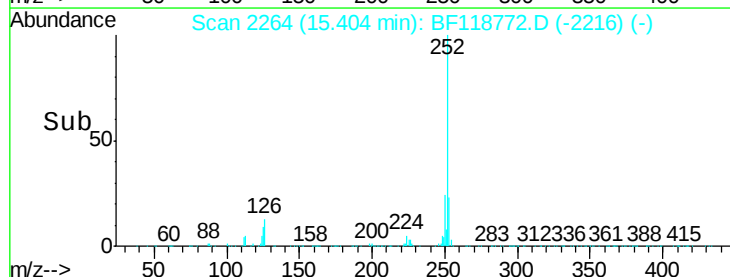
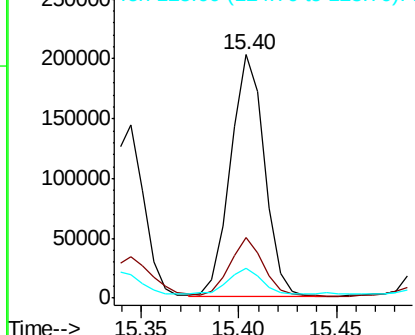


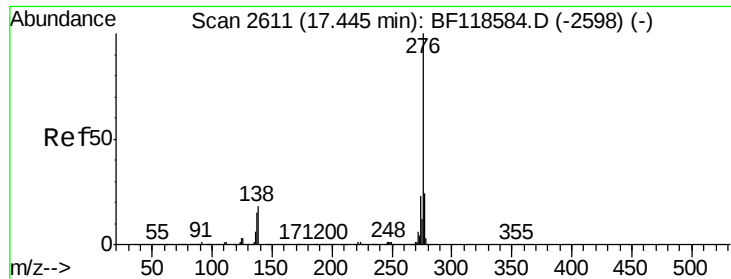
#90  
Benzo(a)pyrene  
Concen: 6.737 ng  
RT: 15.40 min Scan# 2264  
Delta R.T. -0.02 min  
Lab File: BF118772.D  
Acq: 31 Jan 2020 00:47

Tgt Ion:252 Resp: 242436  
Ion Ratio Lower Upper  
252 100  
253 24.7 18.2 27.4  
125 12.1 8.3 12.5



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





#92

Benzo(a,h,i)perylene

Concen: 3.454 ng

RT: 17.36 min Scan# 2597

Delta R.T. -0.03 min

Lab File: BF118772.D

Acq: 31 Jan 2020 00:47

Instrument :

BNA\_F

ClientSampleId :

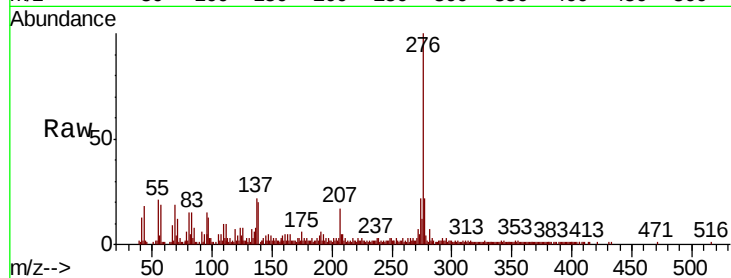
Tot Ion:276 Resp: 106763

Ion Ratio Lower Upper

276 100

277 22.3 19.0 28.6

138 19.7 15.4 23.2



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

