

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\  
 Data File : BF104503.D  
 Acq On : 14 Apr 2018 4:23  
 Operator : JU/SJ  
 Sample : J2335-03DL 20X  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Apr 14 05:20:14 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 13 17:38:31 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.81  | 152  | 123781   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.09  | 136  | 494760   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.85  | 164  | 206852   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.34 | 188  | 295934   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.98 | 240  | 226944   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.45 | 264  | 172756   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 5) 2-Fluorophenol           | 5.42  | 112  | 44491    | 5.50 | ng    | 0.00     |
| 7) Phenol-d6                | 6.44  | 99   | 55376    | 5.57 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.37  | 82   | 30498    | 4.03 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 8431     | 3.93 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.16  | 172  | 59618    | 4.55 | ng    | -0.01    |
| 78) Terphenyl-d14           | 12.92 | 244  | 41011    | 4.12 | ng    | -0.01    |

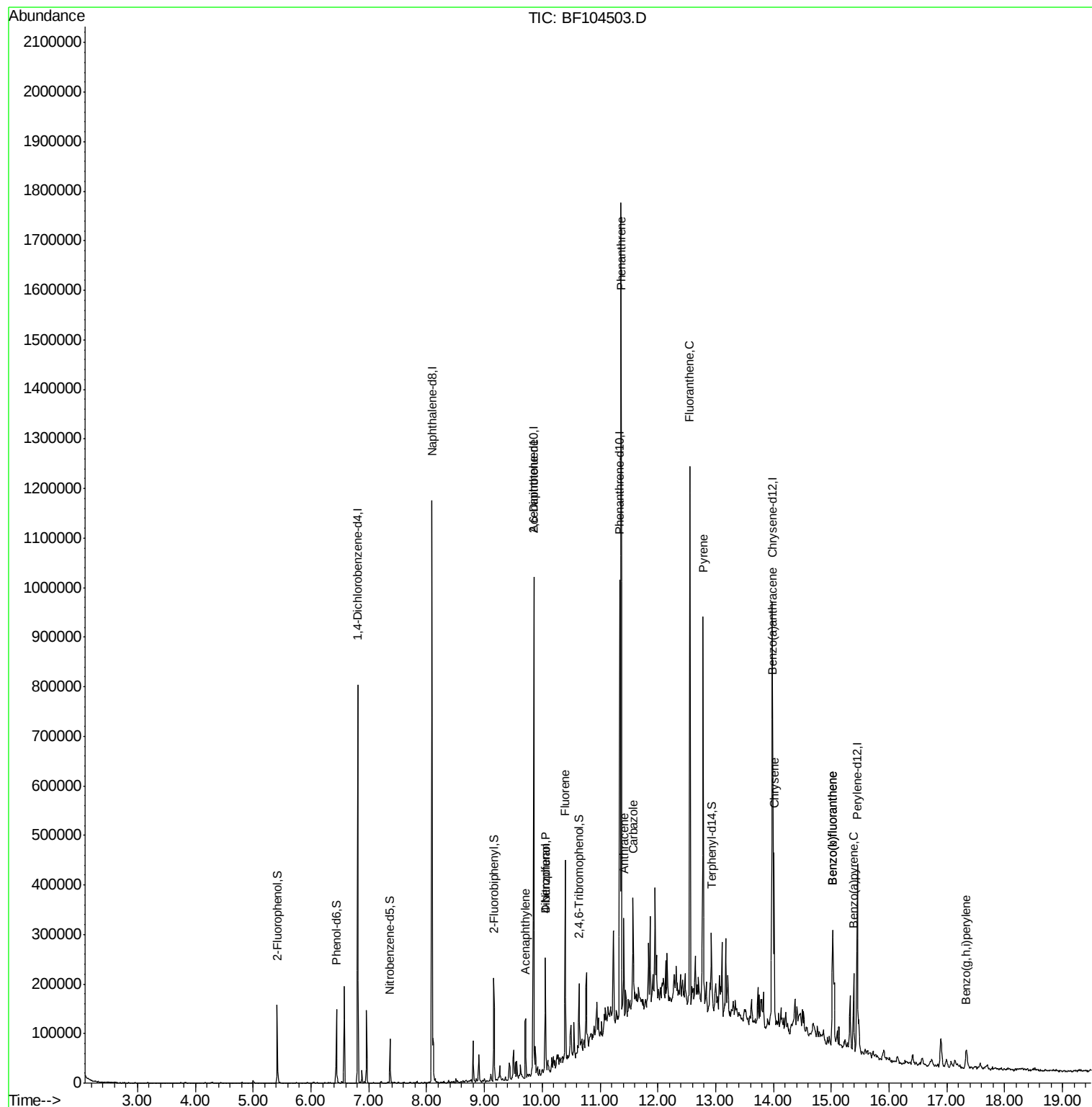
| Target Compounds         | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------|-------|------|----------|-----------|-------|--------|
| 9) Benzaldehyde          | 6.57  | 77   | 966      | Below Cal |       | # 83   |
| 48) Acenaphthylene       | 9.71  | 152  | 48594    | 2.257     | ng    | 97     |
| 50) 2,6-Dinitrotoluene   | 9.85  | 165  | 27410    | 9.081     | ng    | # 26   |
| 54) Dibenzofuran         | 10.05 | 168  | 76326    | 4.168     | ng    | 100    |
| 55) 4-Nitrophenol        | 10.05 | 139  | 29179    | 10.512    | ng    | # 11   |
| 57) Fluorene             | 10.40 | 166  | 110728   | 8.308     | ng    | 99     |
| 70) Phenanthrene         | 11.36 | 178  | 553289   | 33.573    | ng    | 99     |
| 71) Anthracene           | 11.41 | 178  | 72714    | 4.340     | ng    | 100    |
| 72) Carbazole            | 11.57 | 167  | 72385    | 4.422     | ng    | 99     |
| 74) Fluoranthene         | 12.56 | 202  | 439924   | 25.549    | ng    | 96     |
| 76) Benzydine            | 12.67 | 184  | 1101     | Below Cal |       | # 1    |
| 77) Pvrene               | 12.78 | 202  | 318780   | 18.950    | ng    | 99     |
| 80) Benzo(a)anthracene   | 13.97 | 228  | 125379   | 9.248     | ng    | 97     |
| 82) Chrysene             | 14.01 | 228  | 134093   | 9.629     | ng    | 98     |
| 87) Benzo(b)fluoranthene | 15.02 | 252  | 167127   | 15.317    | ng    | 97     |
| 88) Benzo(k)fluoranthene | 15.02 | 252  | 167127   | 16.224    | ng    | 99     |
| 89) Benzo(a)pvrene       | 15.39 | 252  | 72382    | 7.414     | ng    | 97     |
| 91) Benzo(g,h,i)perylene | 17.33 | 276  | 31864    | 4.102     | ng    | 98     |

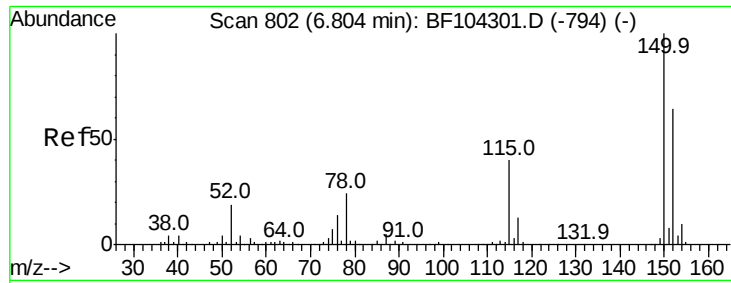
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\  
Data File : BF104503.D  
Acq On : 14 Apr 2018 4:23  
Operator : JU/SJ  
Sample : J2335-03DL 20X  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :

Quant Time: Apr 14 05:20:14 2018  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Apr 13 17:38:31 2018  
Response via : Initial Calibration



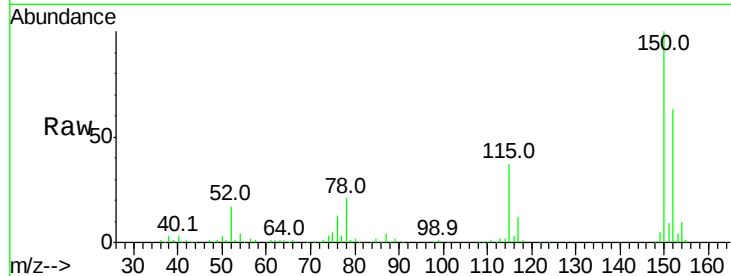


#1

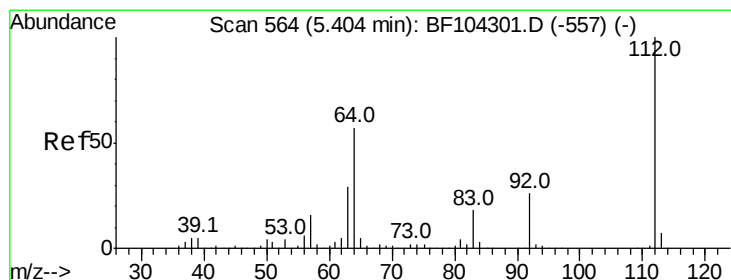
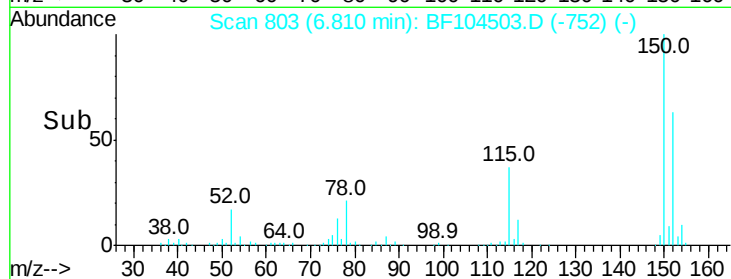
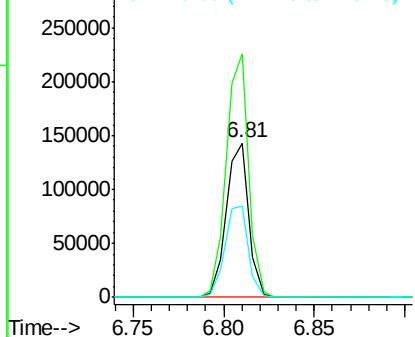
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.81 min Scan# 803  
Delta R.T. 0.00 min  
Lab File: BF104503.D  
Acq: 14 Apr 2018 4:23

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:152 Resp: 123781  
Ion Ratio Lower Upper  
152 100  
150 158.1 124.6 186.8  
115 59.1 50.1 75.1



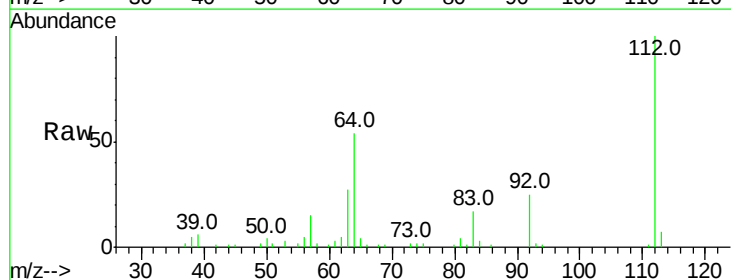
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



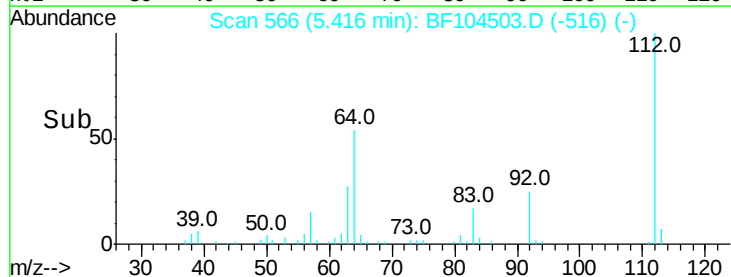
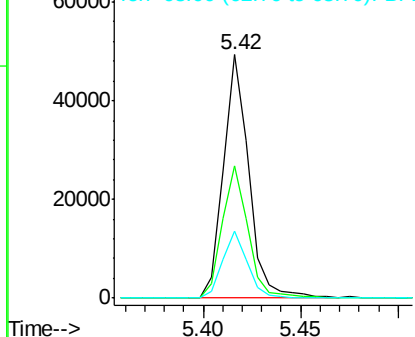
#5

2-Fluorophenol  
Concen: 5.496 ng  
RT: 5.42 min Scan# 566  
Delta R.T. -0.01 min  
Lab File: BF104503.D  
Acq: 14 Apr 2018 4:23

Tgt Ion:112 Resp: 44491  
Ion Ratio Lower Upper  
112 100  
64 54.5 47.9 71.9  
63 27.3 23.7 35.5



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: 5.567 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104503.D

Acq: 14 Apr 2018 4:23

Instrument :

BNA\_F

ClientSampleId :

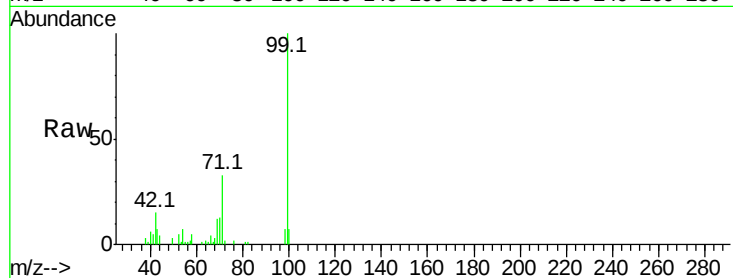
Tot Ion: 99 Resp: 55376

Ion Ratio Lower Upper

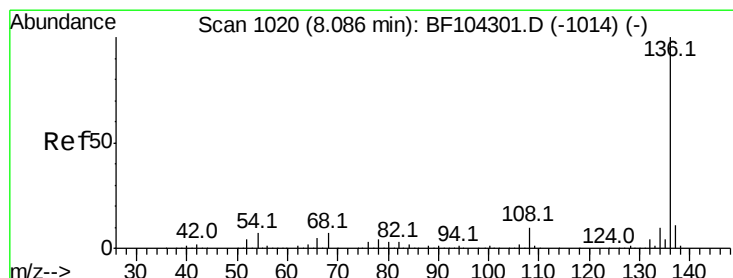
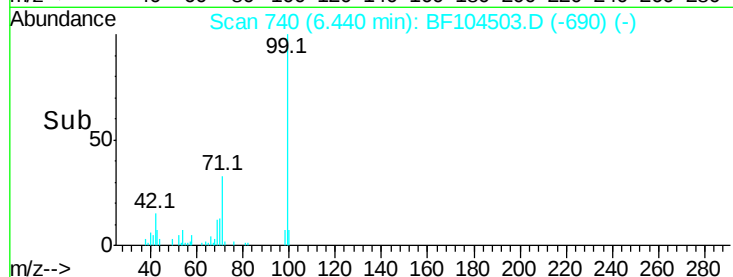
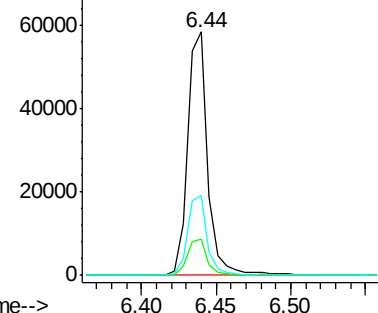
99 100

42 14.9 14.5 21.7

71 32.7 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF104503.D

Acq: 14 Apr 2018 4:23

Tgt Ion: 136 Resp: 494760

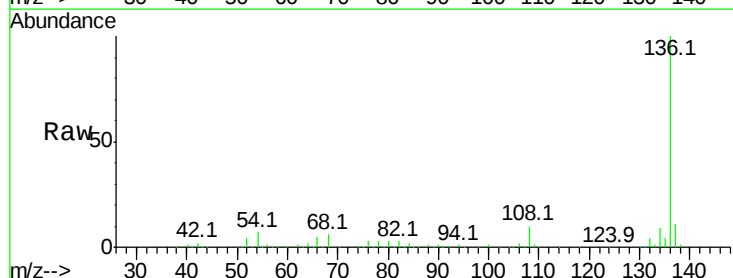
Ion Ratio Lower Upper

136 100

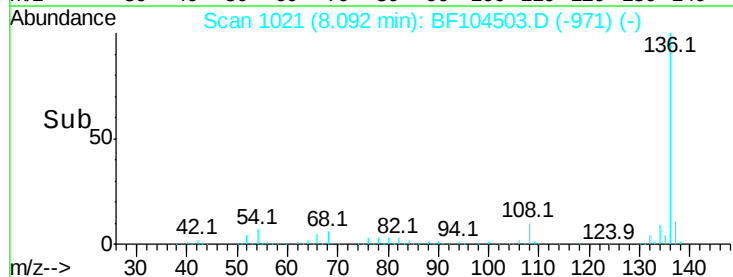
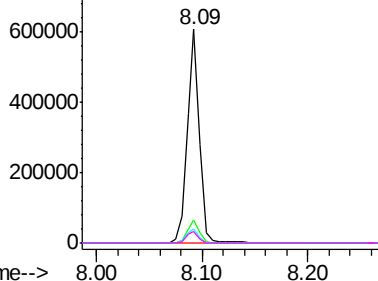
137 10.8 8.9 13.3

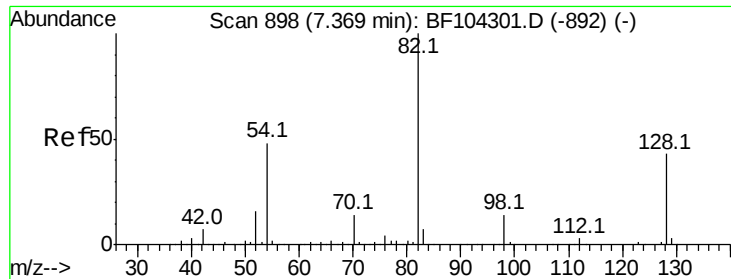
54 6.7 6.6 9.8

68 5.5 5.0 7.4



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

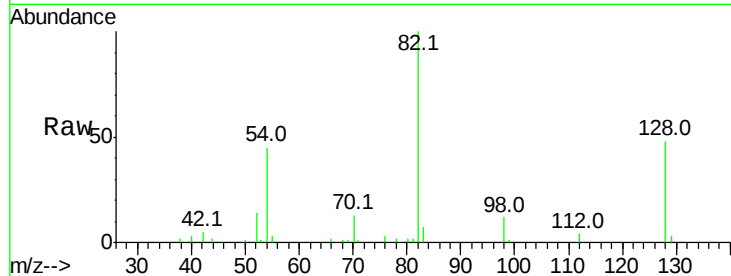




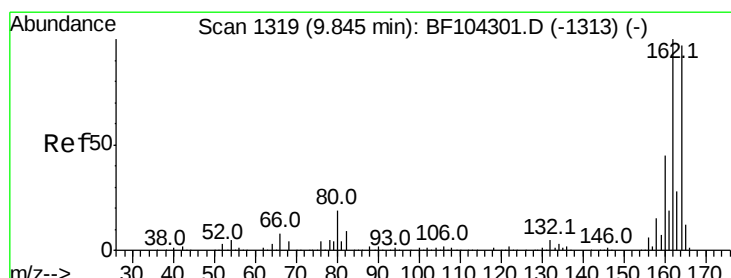
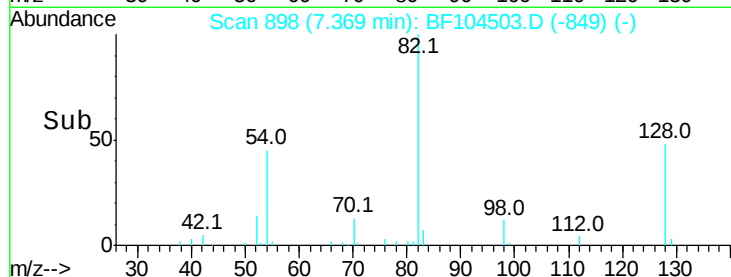
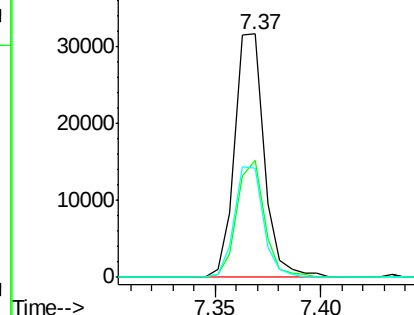
#23  
Nitrobenzene-d5  
Concen: 4.025 ng  
RT: 7.37 min Scan# 898  
Delta R.T. -0.01 min  
Lab File: BF104503.D  
Acq: 14 Apr 2018 4:23

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion: 82 Resp: 30498  
Ion Ratio Lower Upper  
82 100  
128 48.1 36.1 54.1  
54 44.9 41.4 62.2

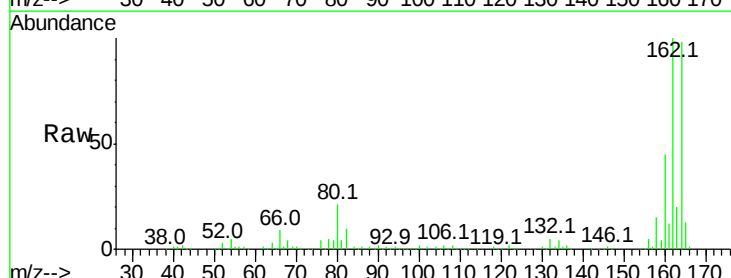


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

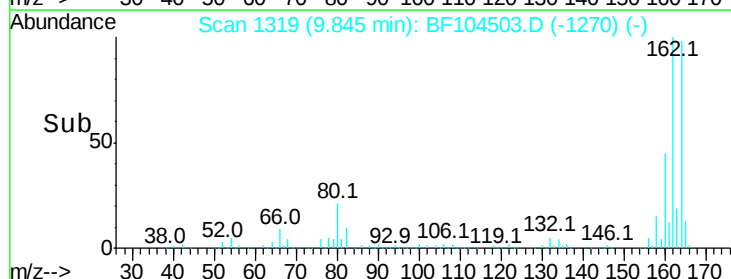
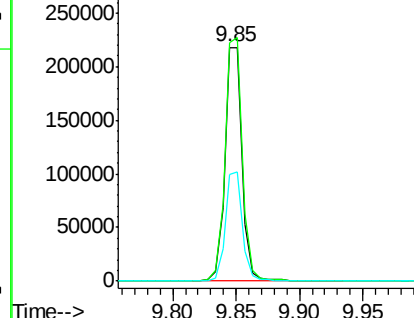


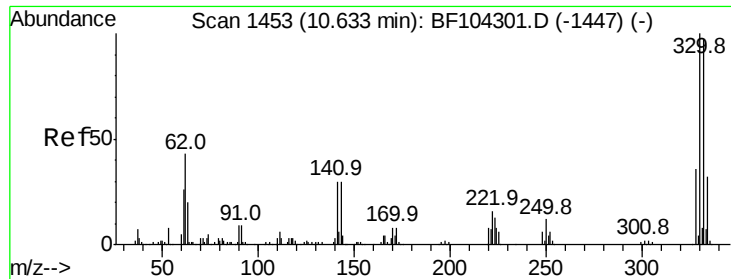
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.85 min Scan# 1319  
Delta R.T. -0.01 min  
Lab File: BF104503.D  
Acq: 14 Apr 2018 4:23

Tgt Ion:164 Resp: 206852  
Ion Ratio Lower Upper  
164 100  
162 102.2 86.1 129.1  
160 45.7 38.3 57.5



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

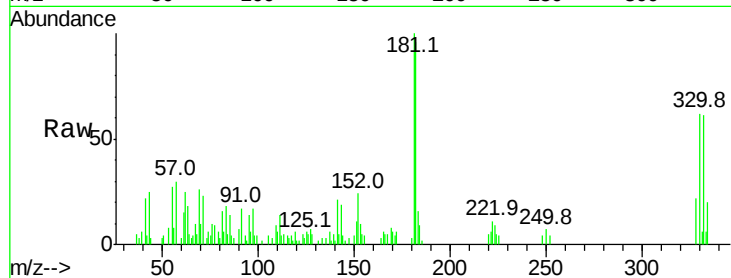




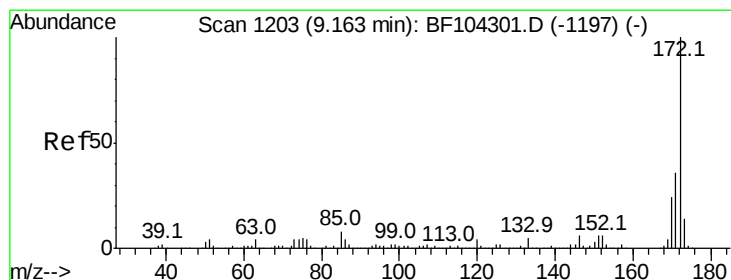
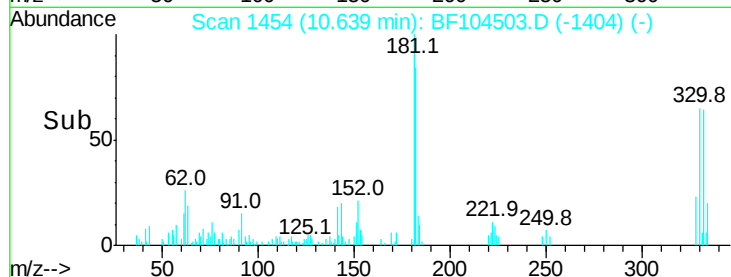
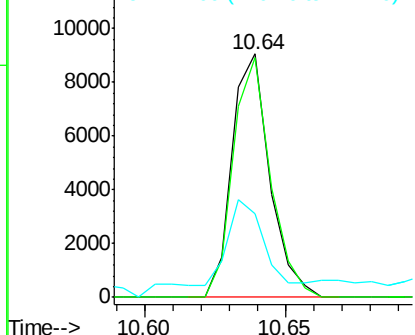
#41  
 2,4,6-Tribromophenol  
 Concen: 3.929 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. -0.01 min  
 Lab File: BF104503.D  
 Acq: 14 Apr 2018 4:23

Instrument :  
 BNA\_F  
 ClientSampleId :

Tot Ion:330 Resp: 8431  
 Ion Ratio Lower Upper  
 330 100  
 332 97.2 77.0 115.6  
 141 51.2 29.9 44.9#

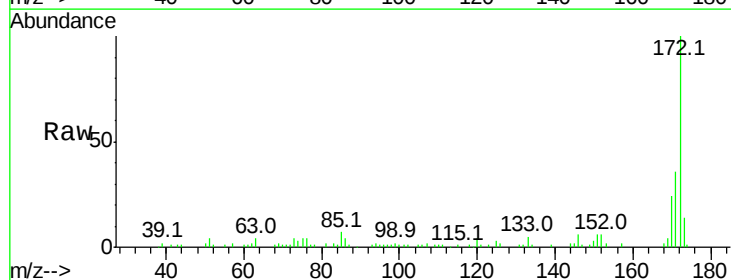


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

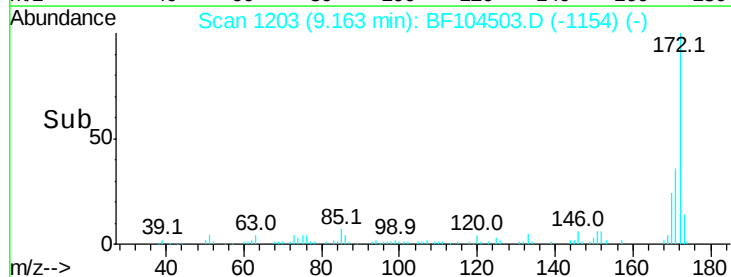
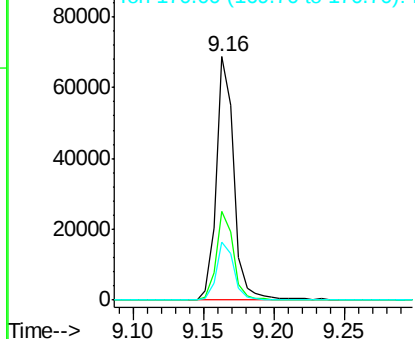


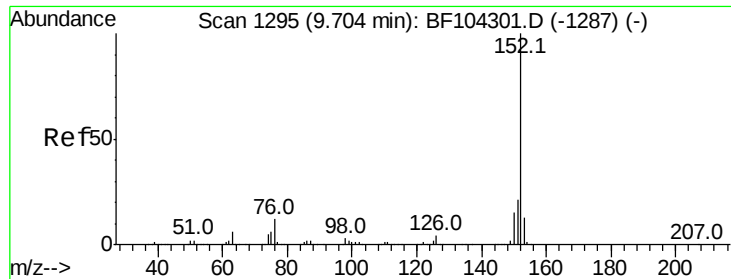
#44  
 2-Fluorobiphenyl  
 Concen: 4.553 ng  
 RT: 9.16 min Scan# 1203  
 Delta R.T. -0.01 min  
 Lab File: BF104503.D  
 Acq: 14 Apr 2018 4:23

Tgt Ion:172 Resp: 59618  
 Ion Ratio Lower Upper  
 172 100  
 171 36.3 29.7 44.5  
 170 23.6 19.6 29.4



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





#48

Acenaphthylene

Concen: 2.257 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF104503.D

Acq: 14 Apr 2018 4:23

Instrument :

BNA\_F

ClientSampleId :

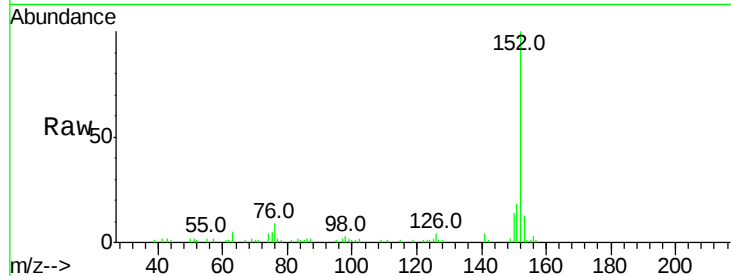
Tot Ion:152 Resp: 48594

Ion Ratio Lower Upper

152 100

151 18.4 16.3 24.5

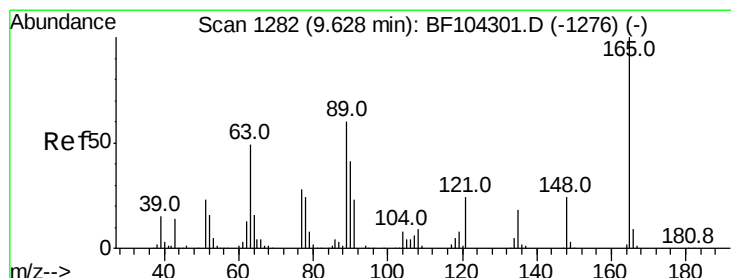
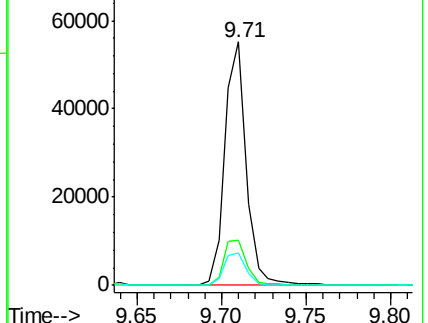
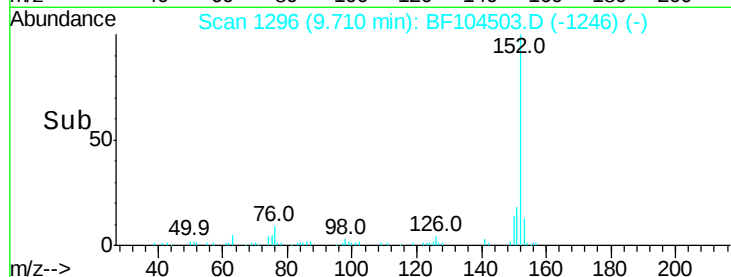
153 13.1 10.7 16.1



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

2,6-Dinitrotoluene

Concen: 9.081 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF104503.D

Acq: 14 Apr 2018 4:23

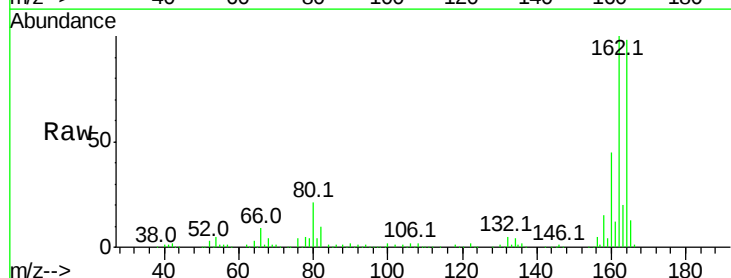
Tgt Ion:165 Resp: 27410

Ion Ratio Lower Upper

165 100

63 1.5 44.7 67.1#

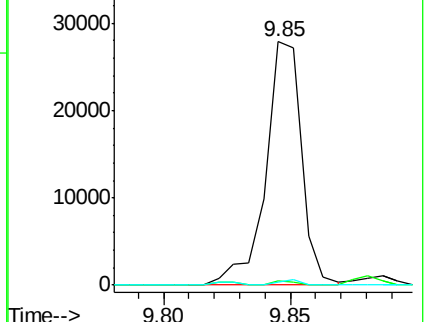
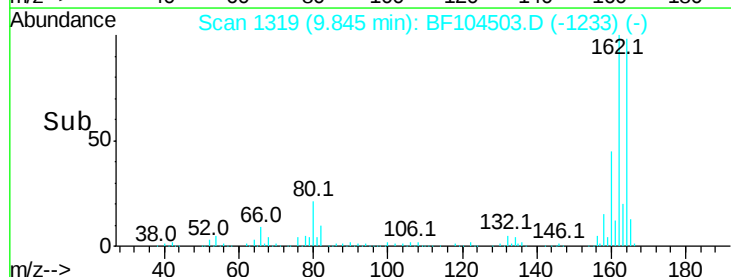
89 1.4 44.0 66.0#

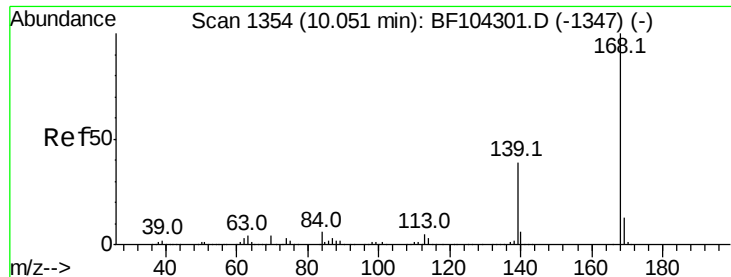


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

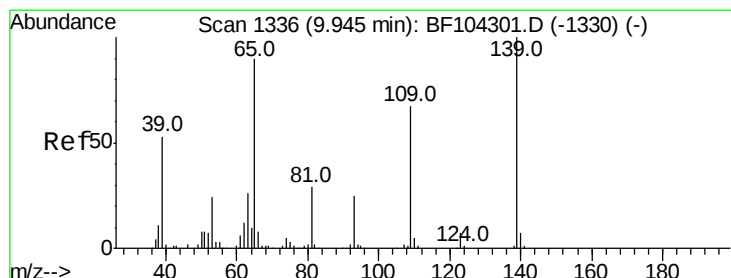
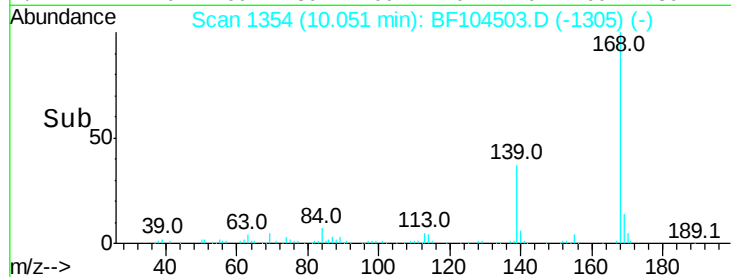
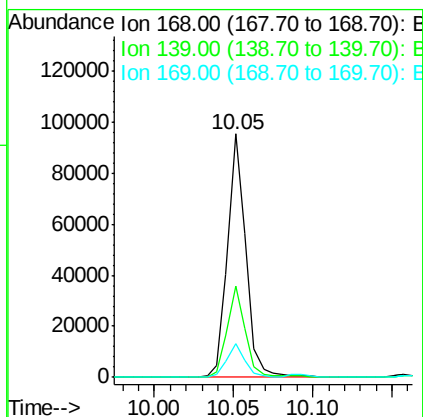
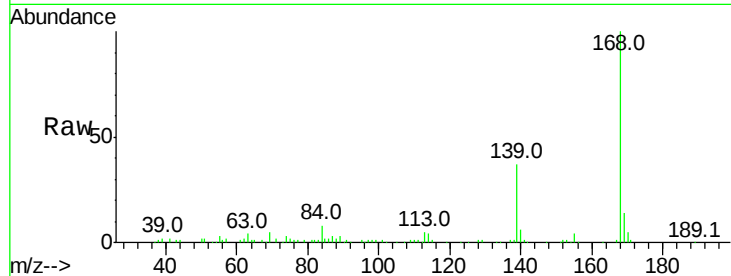




#54  
Dibenzenofuran  
Concen: 4.168 ng  
RT: 10.05 min Scan# 1354  
Delta R.T. -0.01 min  
Lab File: BF104503.D  
Acq: 14 Apr 2018 4:23

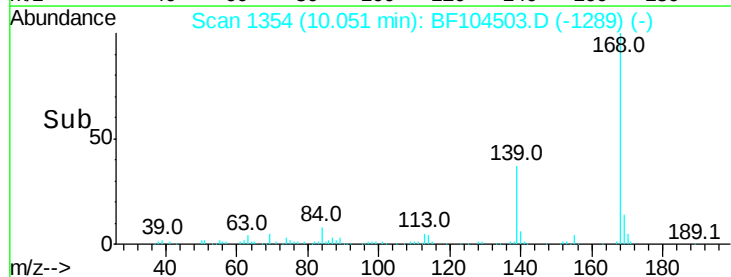
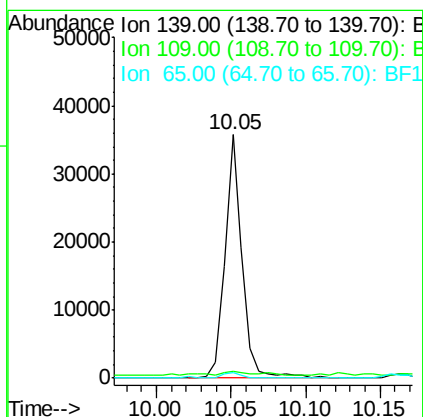
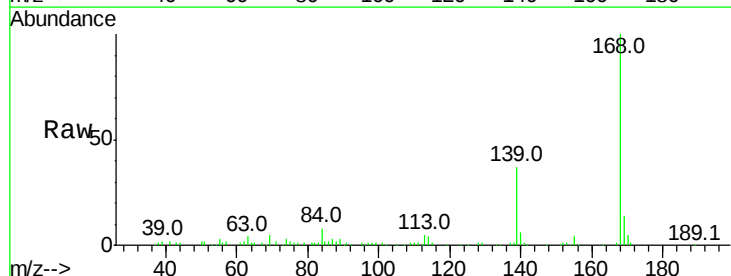
Instrument :  
BNA\_F  
ClientSampleId :

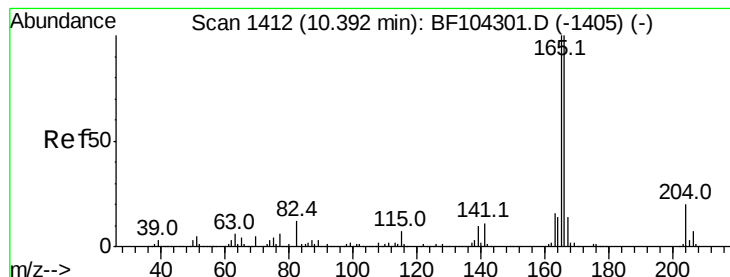
Tot Ion:168 Resp: 76326  
Ion Ratio Lower Upper  
168 100  
139 37.5 30.1 45.1  
169 14.0 10.9 16.3



#55  
4-Nitrophenol  
Concen: 10.512 ng  
RT: 10.05 min Scan# 1354  
Delta R.T. 0.08 min  
Lab File: BF104503.D  
Acq: 14 Apr 2018 4:23

Tgt Ion:139 Resp: 29179  
Ion Ratio Lower Upper  
139 100  
109 2.6 48.4 88.4#  
65 2.3 72.6 112.6#





#57

Fluorene

Concen: 8.308 ng

RT: 10.40 min Scan# 1413

Delta R.T. -0.01 min

Lab File: BF104503.D

Acq: 14 Apr 2018 4:23

Instrument :

BNA\_F

ClientSampleId :

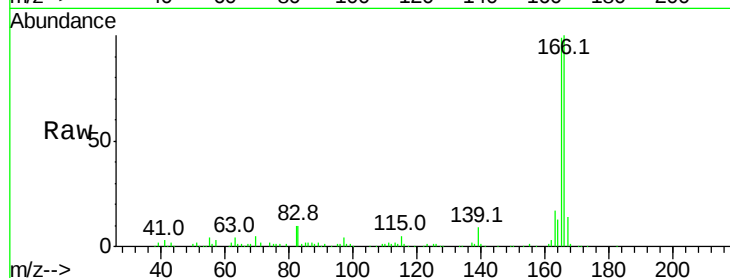
Tot Ion:166 Resp: 110728

Ion Ratio Lower Upper

166 100

165 99.1 79.8 119.8

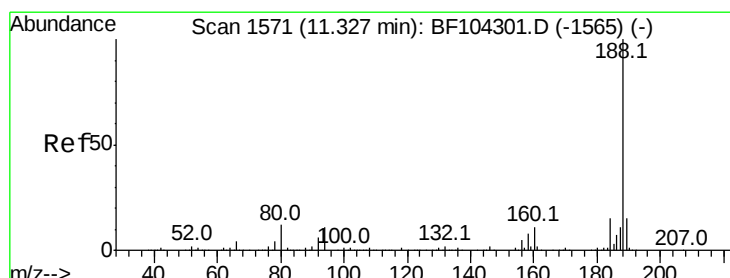
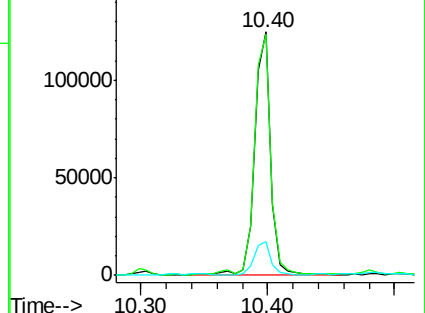
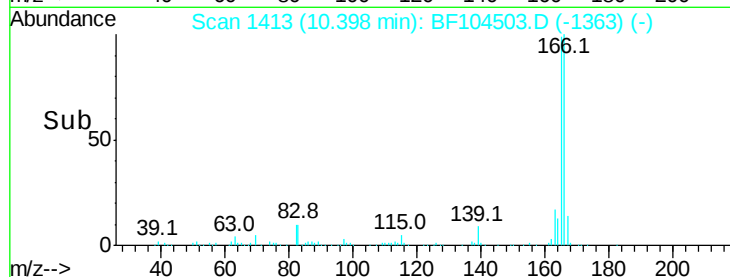
167 13.8 10.6 16.0



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF104503.D

Acq: 14 Apr 2018 4:23

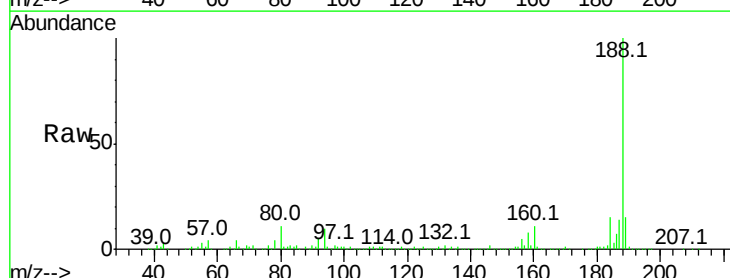
Tgt Ion:188 Resp: 295934

Ion Ratio Lower Upper

188 100

94 10.0 8.5 12.7

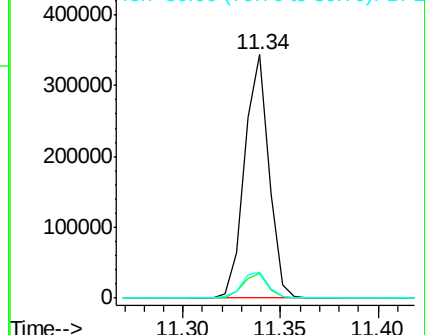
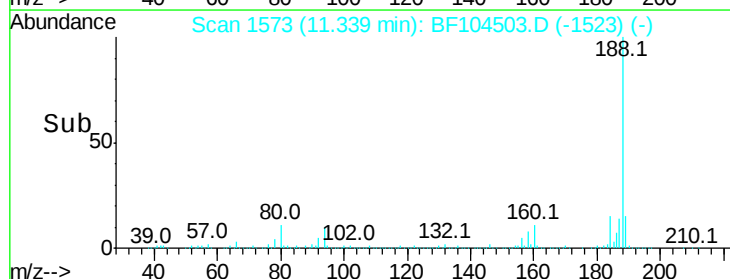
80 10.6 9.2 13.8

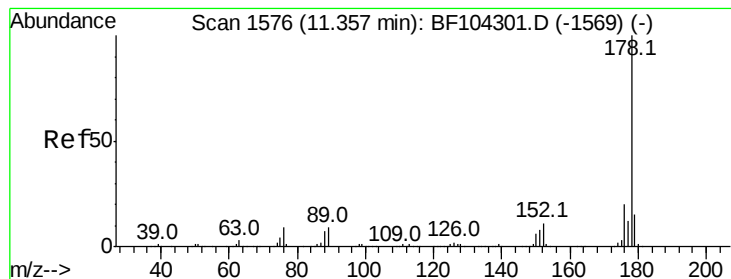


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 33.573 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF104503.D

Acq: 14 Apr 2018 4:23

Instrument :

BNA\_F

ClientSampleId :

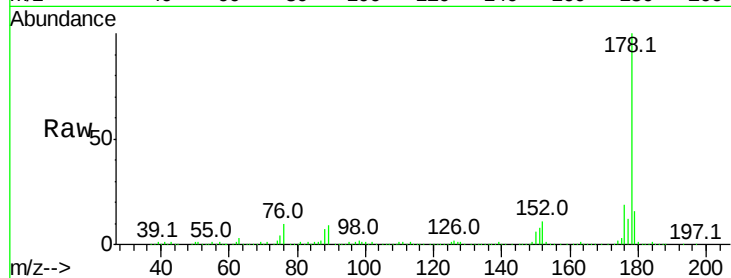
Tot Ion:178 Resp: 553289

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

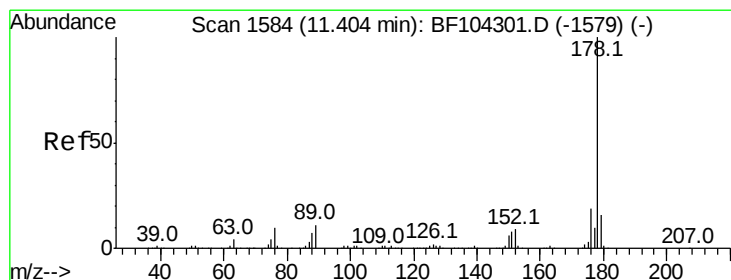
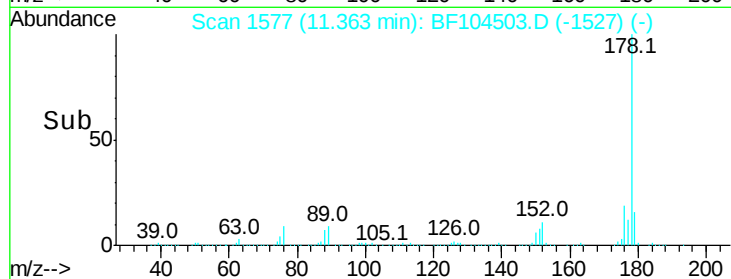
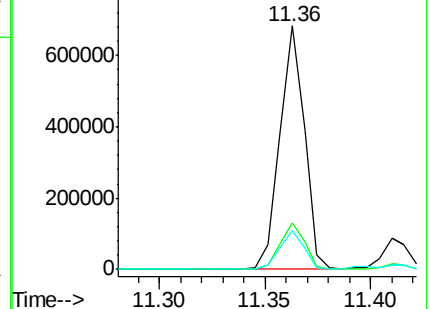
179 15.7 13.0 19.6



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



#71

Anthracene

Concen: 4.340 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF104503.D

Acq: 14 Apr 2018 4:23

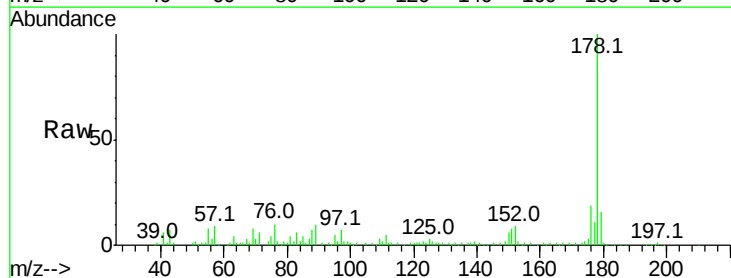
Tgt Ion:178 Resp: 72714

Ion Ratio Lower Upper

178 100

176 19.1 15.4 23.2

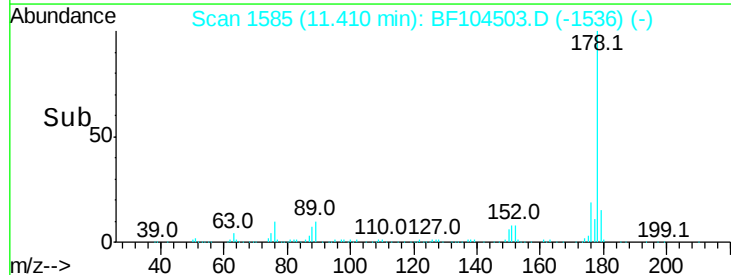
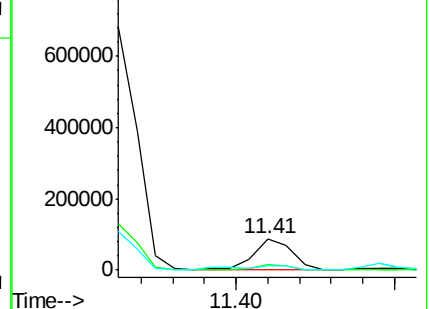
179 15.6 12.6 19.0

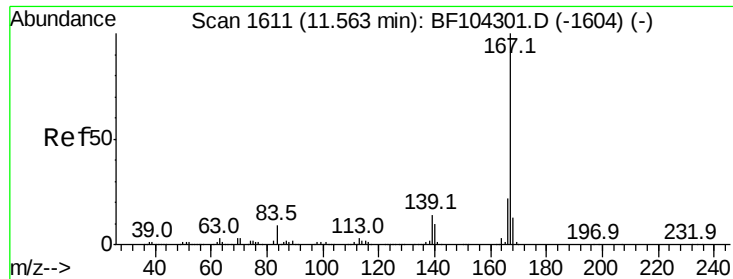


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.422 ng

RT: 11.57 min Scan# 1612

Delta R.T. -0.01 min

Lab File: BF104503.D

Acq: 14 Apr 2018 4:23

Instrument :

BNA\_F

ClientSampleId :

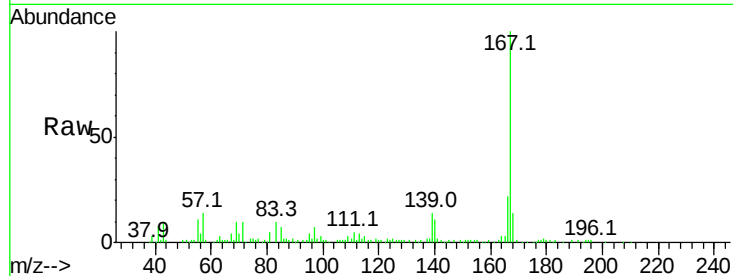
Tot Ion:167 Resp: 72385

Ion Ratio Lower Upper

167 100

166 22.0 17.6 26.4

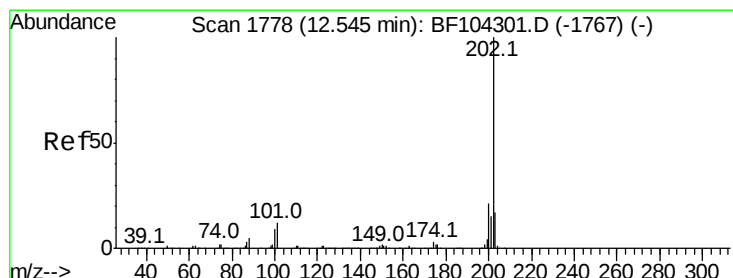
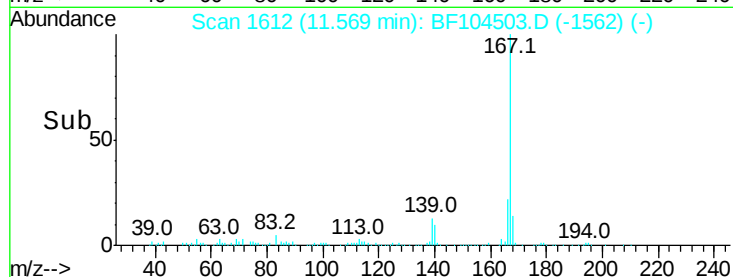
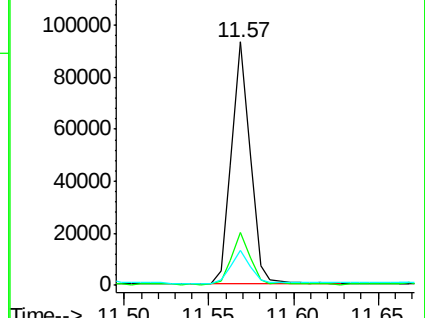
139 14.1 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 25.549 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.00 min

Lab File: BF104503.D

Acq: 14 Apr 2018 4:23

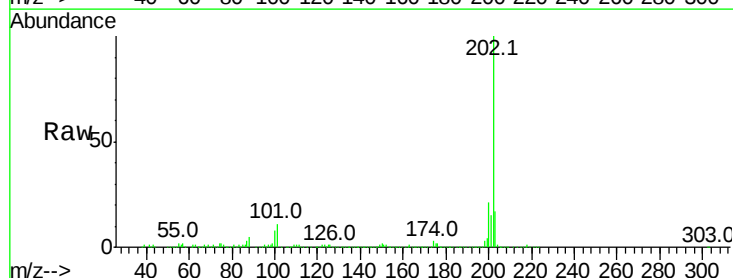
Tgt Ion:202 Resp: 439924

Ion Ratio Lower Upper

202 100

101 10.8 0.0 34.1

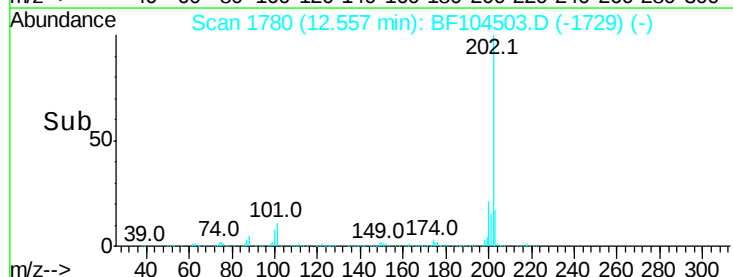
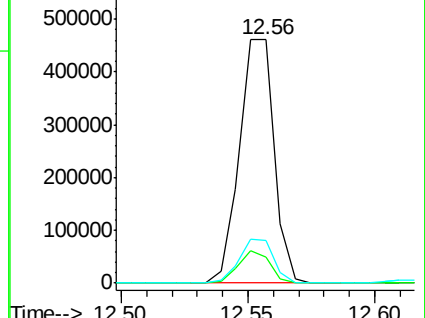
203 17.4 0.0 38.1

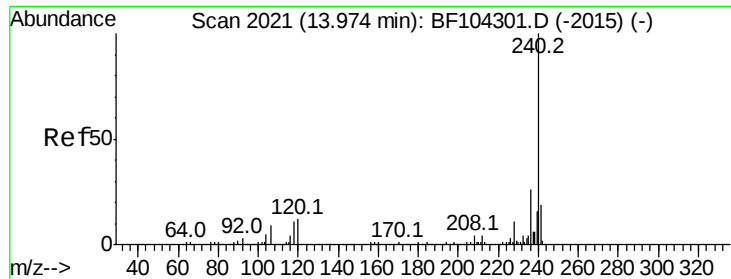


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104503.D

Acq: 14 Apr 2018 4:23

Instrument :

BNA\_F

ClientSampleId :

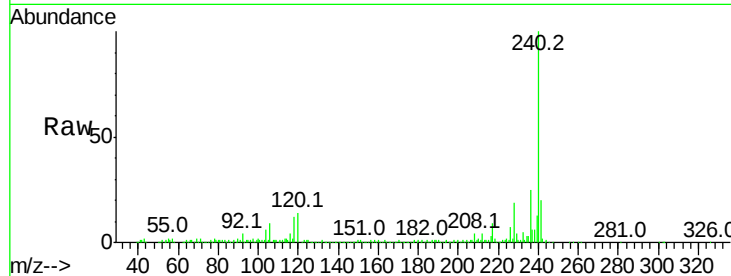
Tot Ion:240 Resp: 226944

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

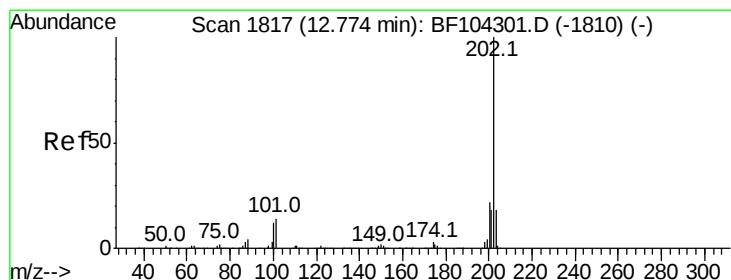
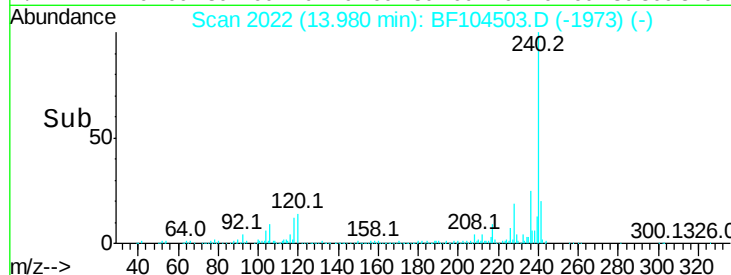
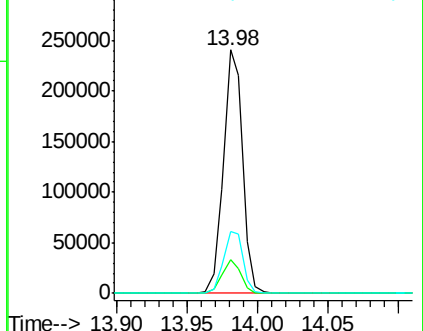
236 25.2 20.7 31.1



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

Pyrene

Concen: 18.950 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF104503.D

Acq: 14 Apr 2018 4:23

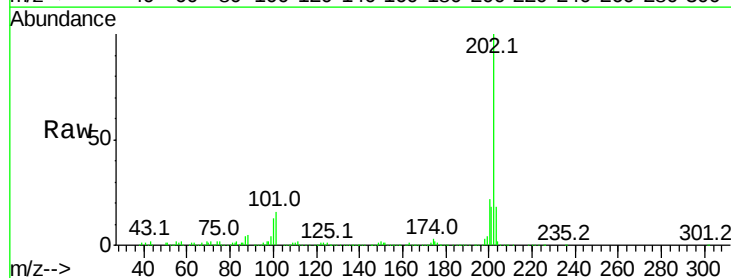
Tgt Ion:202 Resp: 318780

Ion Ratio Lower Upper

202 100

200 22.1 17.4 26.2

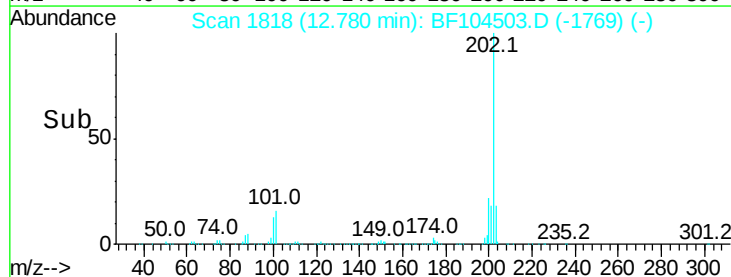
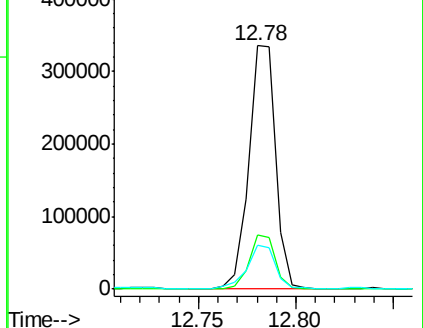
203 18.1 14.3 21.5

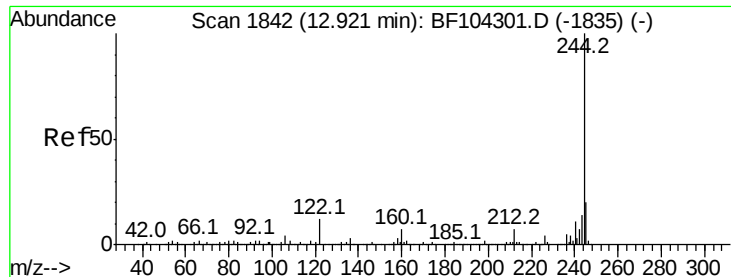


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 4.120 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF104503.D

Acq: 14 Apr 2018 4:23

Instrument :

BNA\_F

ClientSampleId :

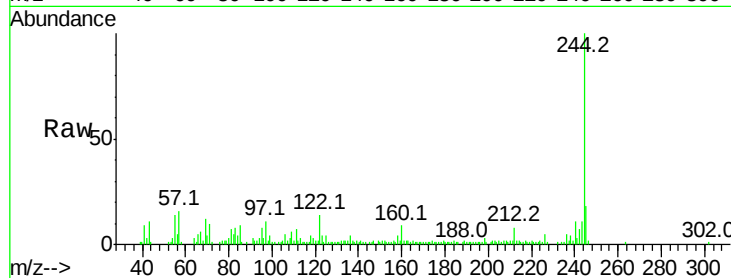
Tot Ion:244 Resp: 41011

Ion Ratio Lower Upper

244 100

212 8.3 5.4 8.0#

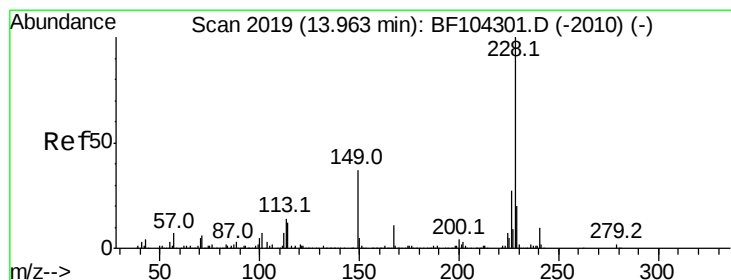
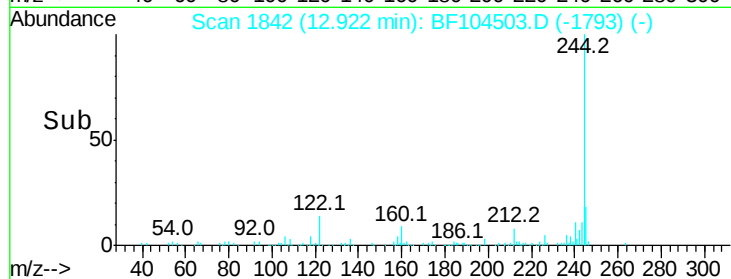
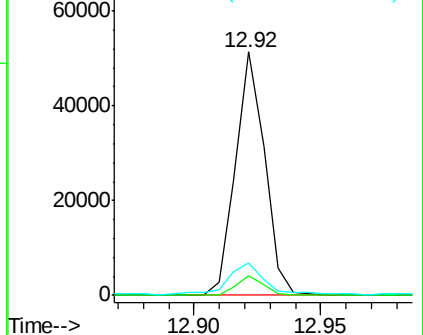
122 13.5 11.0 16.4



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



#80

Benzo(a)anthracene

Concen: 9.248 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF104503.D

Acq: 14 Apr 2018 4:23

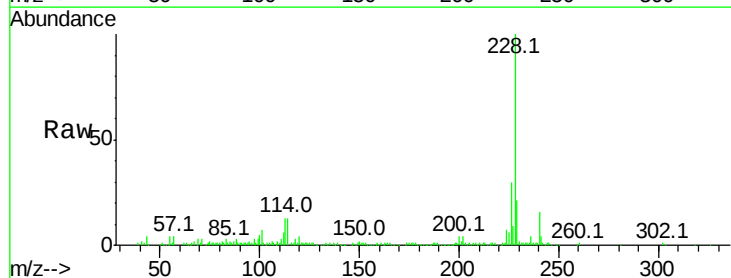
Tgt Ion:228 Resp: 125379

Ion Ratio Lower Upper

228 100

226 29.9 22.6 33.8

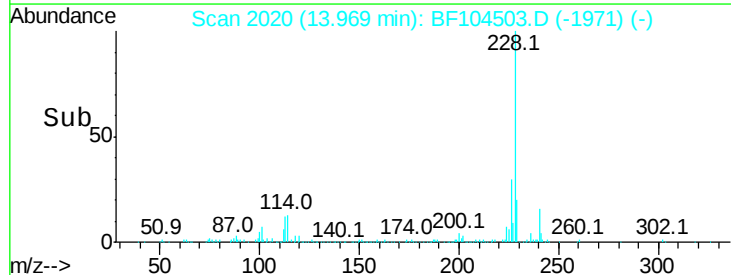
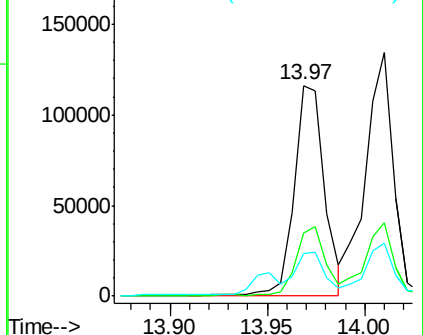
229 20.5 15.8 23.6

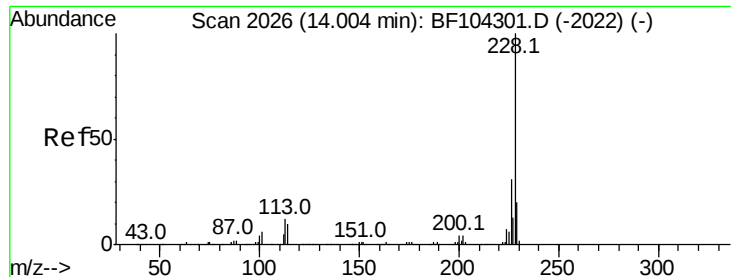


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.629 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF104503.D

Acq: 14 Apr 2018 4:23

Instrument :

BNA\_F

ClientSampleId :

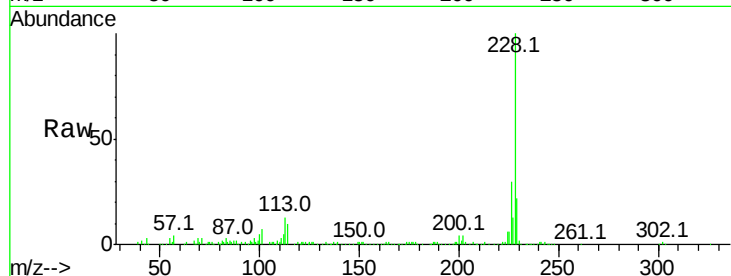
Tot Ion:228 Resp: 134093

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

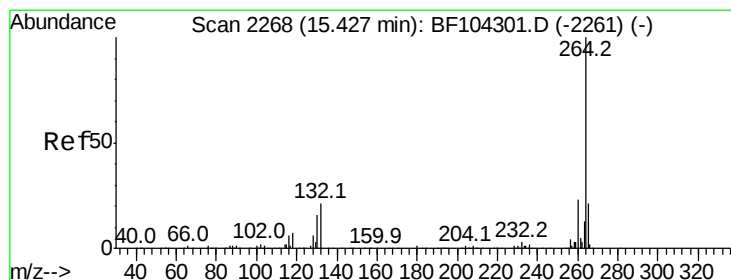
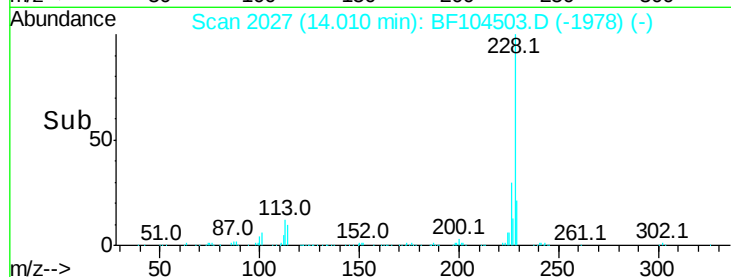
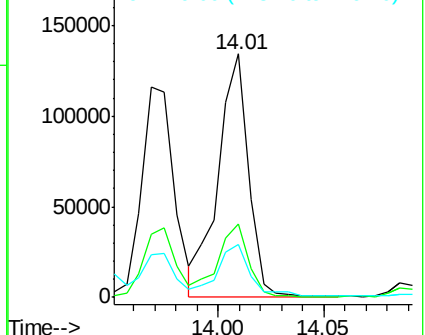
229 21.7 16.2 24.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF104503.D

Acq: 14 Apr 2018 4:23

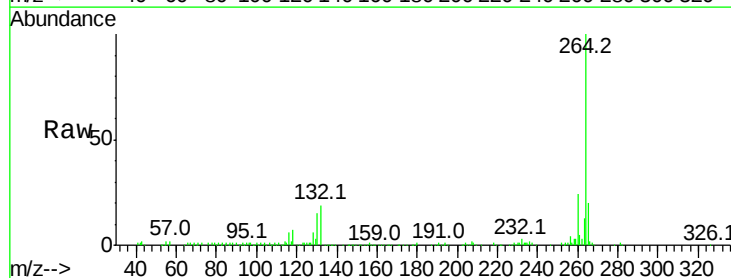
Tgt Ion:264 Resp: 172756

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

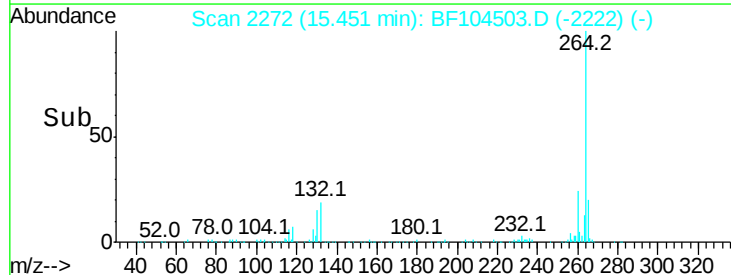
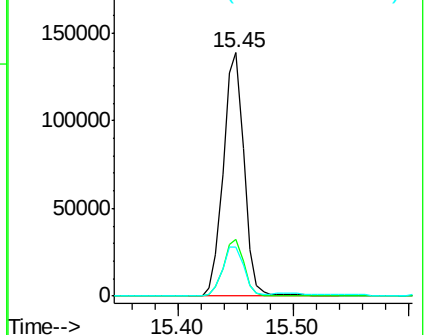
265 20.3 17.5 26.3

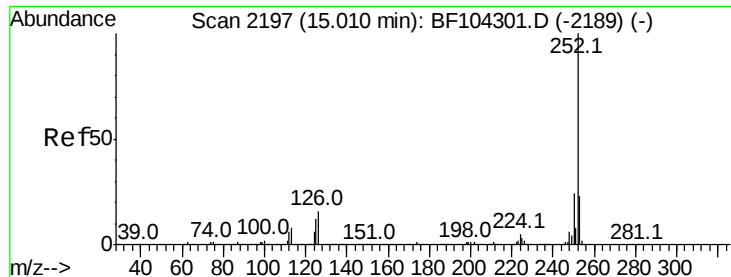


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 15.317 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BF104503.D

Acq: 14 Apr 2018 4:23

Instrument :

BNA\_F

ClientSampleId :

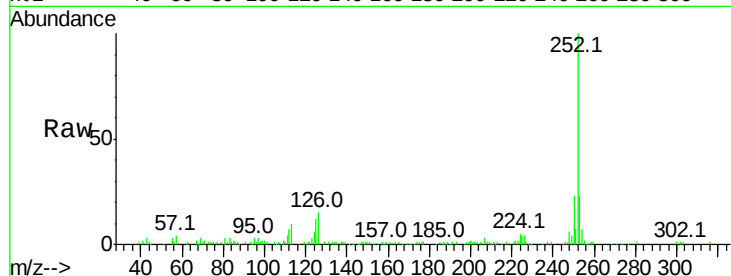
Tot Ion:252 Resp: 167127

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.6

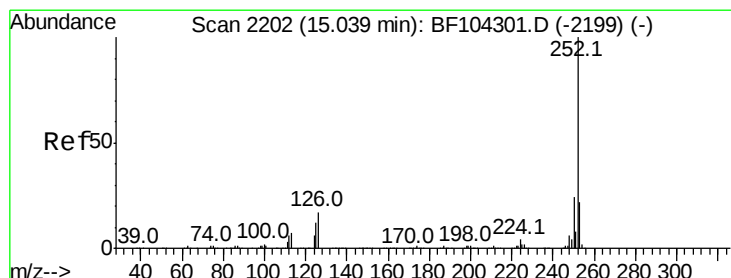
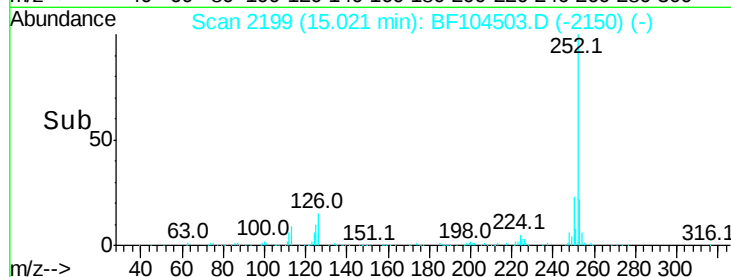
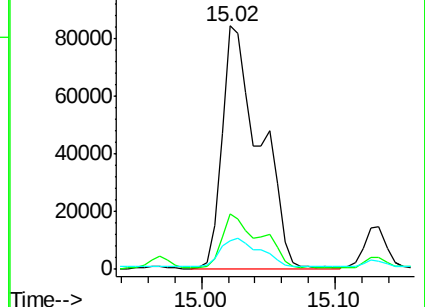
125 12.0 9.0 13.6



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



#88

Benzo(k)fluoranthene

Concen: 16.224 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.04 min

Lab File: BF104503.D

Acq: 14 Apr 2018 4:23

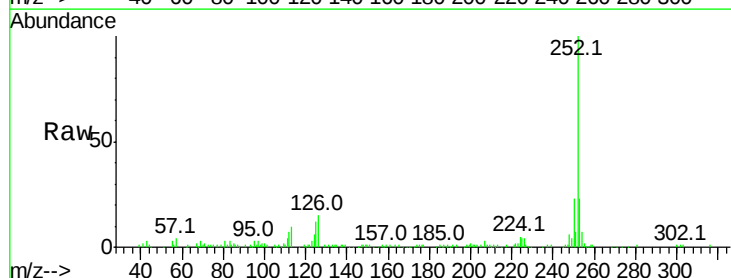
Tgt Ion:252 Resp: 167127

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

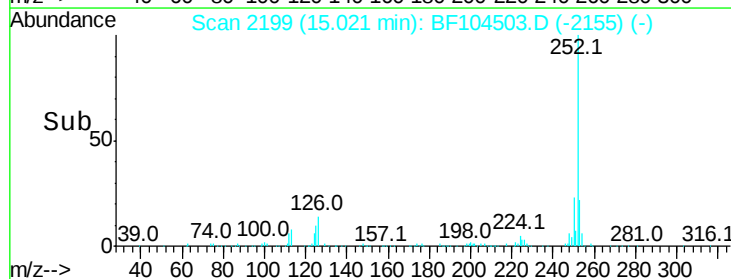
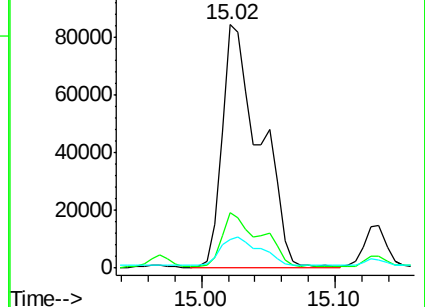
125 12.0 10.2 15.2

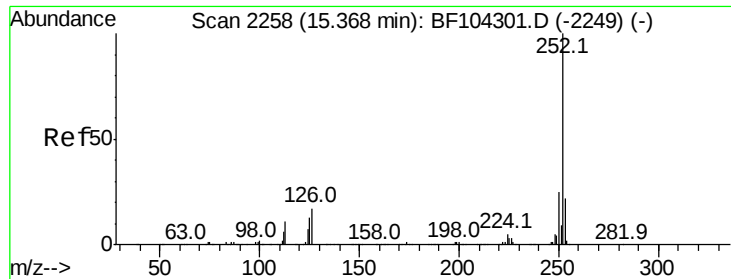


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

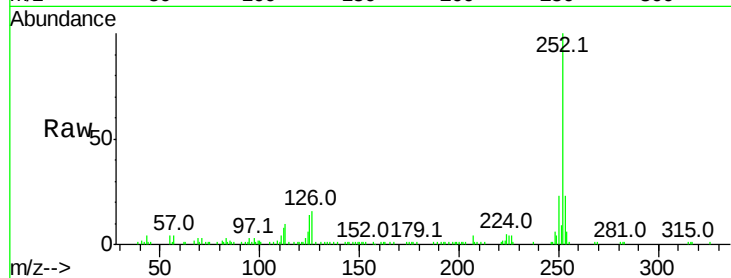




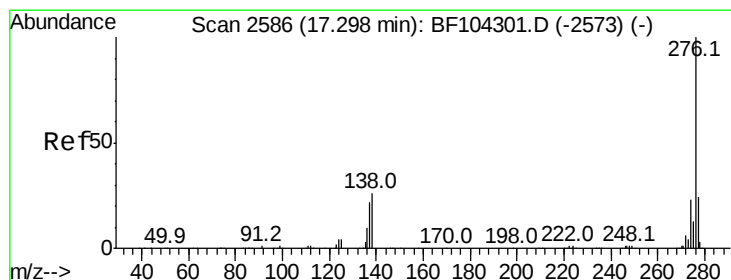
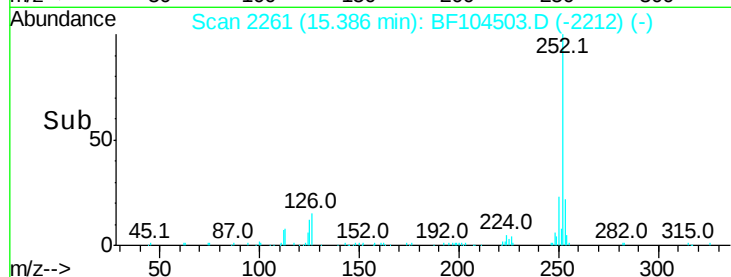
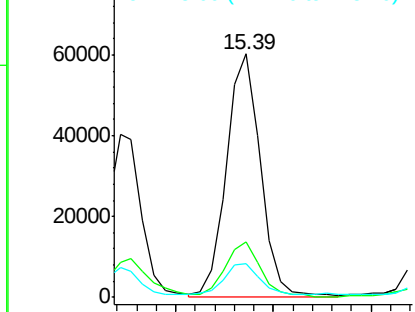
#89  
Benzo(a)pyrene  
Concen: 7.414 ng  
RT: 15.39 min Scan# 2261  
Delta R.T. -0.01 min  
Lab File: BF104503.D  
Acq: 14 Apr 2018 4:23

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:252 Resp: 72382  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.1 25.7  
125 13.9 9.8 14.6

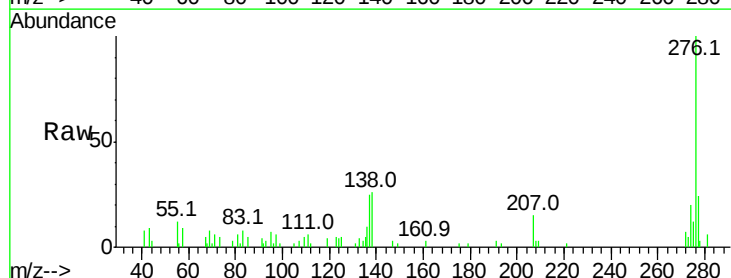


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E



#91  
Benzo(g,h,i)perylene  
Concen: 4.102 ng  
RT: 17.33 min Scan# 2592  
Delta R.T. -0.03 min  
Lab File: BF104503.D  
Acq: 14 Apr 2018 4:23

Tgt Ion:276 Resp: 31864  
Ion Ratio Lower Upper  
276 100  
277 23.9 17.9 26.9  
138 26.5 21.8 32.8



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

