

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071317\  
 Data File : BF096752.D  
 Acq On : 14 Jul 2017 2:46  
 Operator : SJ/JU  
 Sample : I4166-01  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-1-2-3

Quant Time: Jul 14 04:50:45 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 13 14:49:34 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.64  | 152  | 107424   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.92  | 136  | 404137   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.67  | 164  | 143581   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.15 | 188  | 230226   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.79 | 240  | 157354   | 20.00 | ng    | 0.02     |
| 86) Perylene-d12          | 15.17 | 264  | 135977   | 20.00 | ng    | 0.02     |

|                             |       |     |        |       |    |      |
|-----------------------------|-------|-----|--------|-------|----|------|
| System Monitoring Compounds |       |     |        |       |    |      |
| 5) 2-Fluorophenol           | 5.25  | 112 | 596720 | 83.52 | ng | 0.01 |
| 7) Phenol-d6                | 6.28  | 99  | 702971 | 81.99 | ng | 0.00 |
| 23) Nitrobenzene-d5         | 7.20  | 82  | 400467 | 61.38 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol    | 10.46 | 330 | 98666  | 80.51 | ng | 0.00 |
| 44) 2-Fluorobiphenyl        | 9.00  | 172 | 607344 | 66.83 | ng | 0.00 |
| 78) Terphenyl-d14           | 12.74 | 244 | 480332 | 52.94 | ng | 0.00 |

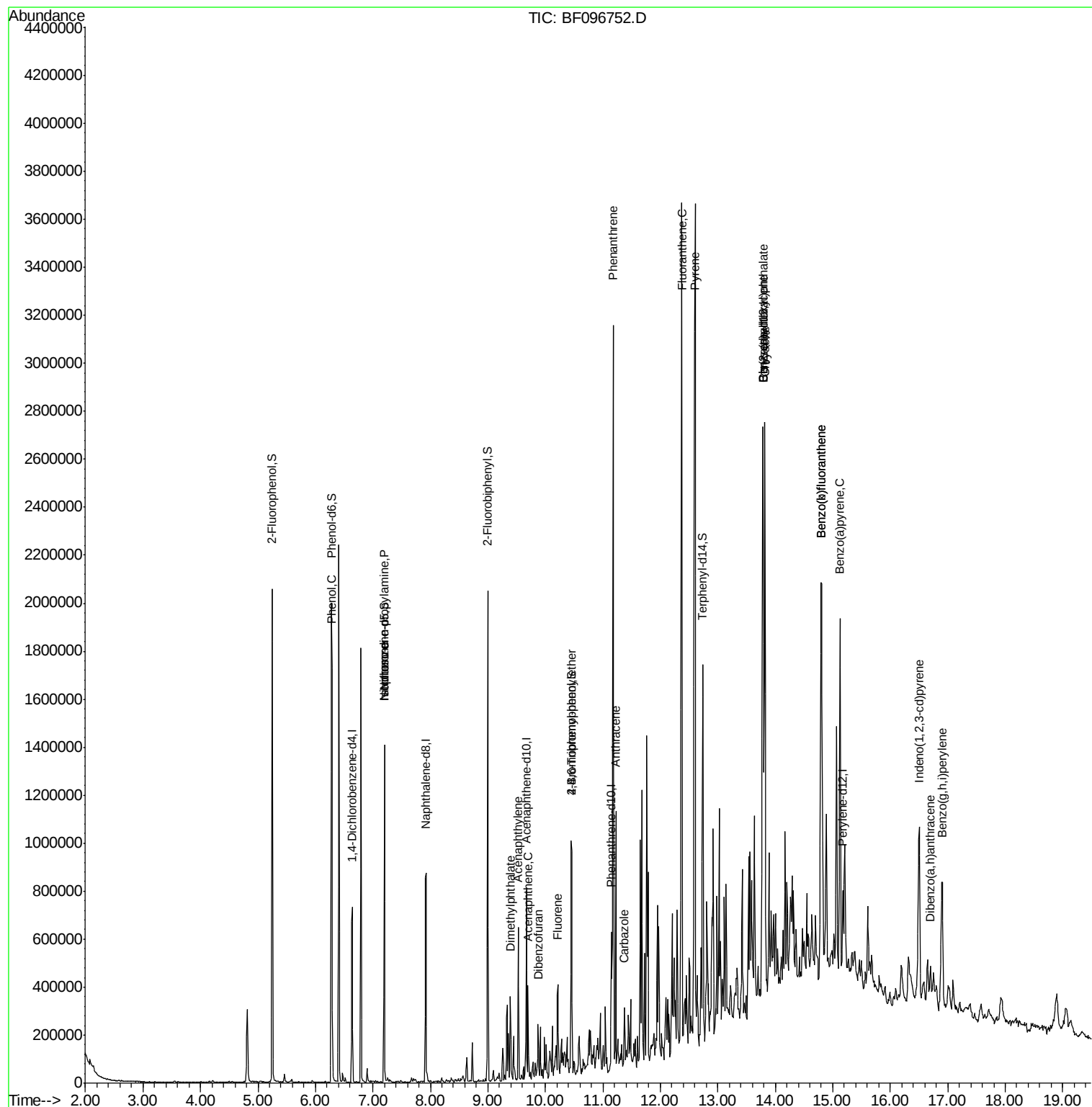
|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 10) Phenol                     | 6.29  | 94  | 22675   | 2.34   | ng | 99   |
| 19) n-Nitroso-di-n-propylamine | 7.20  | 70  | 53096   | 10.28  | ng | # 88 |
| 25) Isophorone                 | 7.20  | 82  | 391270  | 32.24  | ng | # 67 |
| 48) Acenaphthylene             | 9.53  | 152 | 215472  | 14.91  | ng | 99   |
| 49) Dimethylphthalate          | 9.39  | 163 | 97725   | 9.04   | ng | 98   |
| 51) Acenaphthene               | 9.70  | 154 | 80911   | 9.48   | ng | 99   |
| 54) Dibenzofuran               | 9.87  | 168 | 36669   | 3.07   | ng | # 95 |
| 57) Fluorene                   | 10.22 | 166 | 104206  | 11.79  | ng | 95   |
| 66) 4-Bromophenyl-phenylether  | 10.46 | 248 | 6303    | 2.68   | ng | # 1  |
| 70) Phenanthrene               | 11.18 | 178 | 1303542 | 104.13 | ng | 100  |
| 71) Anthracene                 | 11.23 | 178 | 401825  | 31.75  | ng | 98   |
| 72) Carbazole                  | 11.37 | 167 | 87491   | 7.14   | ng | 97   |
| 74) Fluoranthene               | 12.37 | 202 | 1969449 | 164.37 | ng | 98   |
| 77) Pyrene                     | 12.60 | 202 | 2101937 | 147.19 | ng | 100  |
| 80) Benzo(a)anthracene         | 13.78 | 228 | 1173575 | 119.70 | ng | 97   |
| 82) Chrysene                   | 13.82 | 228 | 1022219 | 105.91 | ng | 98   |
| 83) Bis(2-ethylhexyl)phthalate | 13.78 | 149 | 16639   | 2.01   | ng | 95   |
| 85) Indeno(1,2,3-cd)pyrene     | 16.50 | 276 | 454170  | 48.98  | ng | 96   |
| 87) Benzo(b)fluoranthene       | 14.80 | 252 | 1428420 | 174.18 | ng | # 97 |
| 88) Benzo(k)fluoranthene       | 14.80 | 252 | 1428420 | 183.94 | ng | 98   |
| 89) Benzo(a)pyrene             | 15.13 | 252 | 741722  | 98.61  | ng | 97   |
| 90) Dibenz(a,h)anthracene      | 16.70 | 278 | 98611   | 14.25  | ng | 95   |
| 91) Benzo(g,h,i)perylene       | 16.90 | 276 | 415317  | 56.04  | ng | 98   |

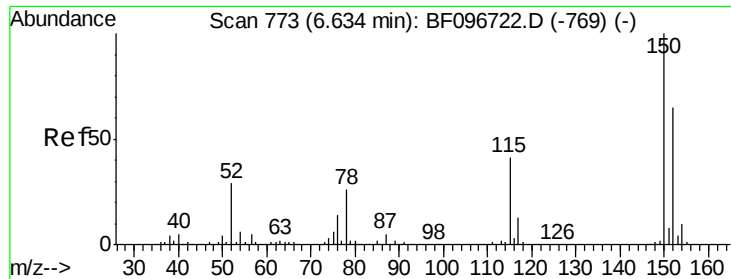
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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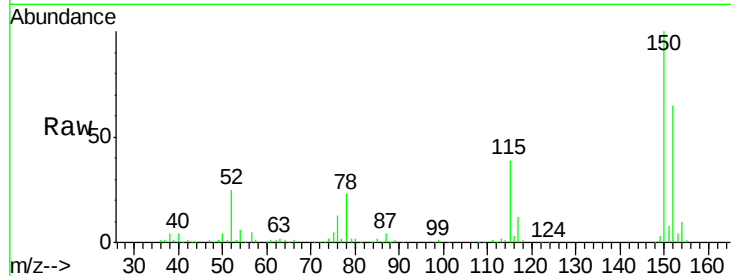


#1

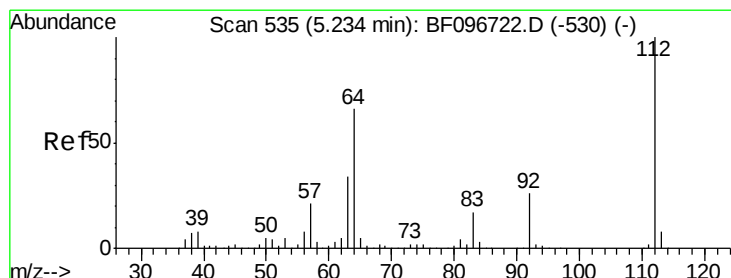
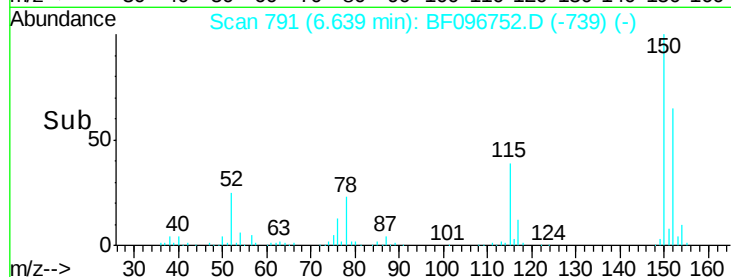
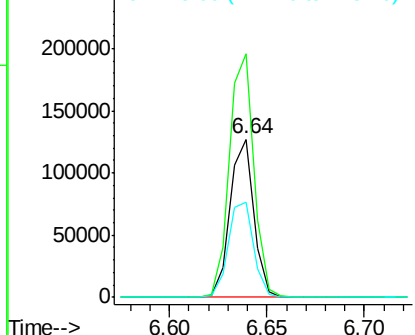
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.64 min Scan# 791  
Delta R.T. 0.01 min  
Lab File: BF096752.D  
Acq: 14 Jul 2017 2:46

Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1-2-3

Tot Ion:152 Resp: 107424  
Ion Ratio Lower Upper  
152 100  
150 154.1 126.2 189.2  
115 59.9 52.2 78.2



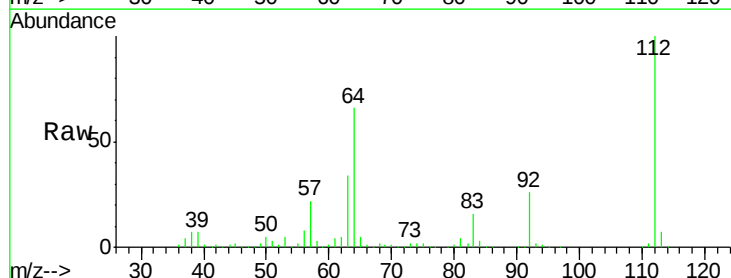
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



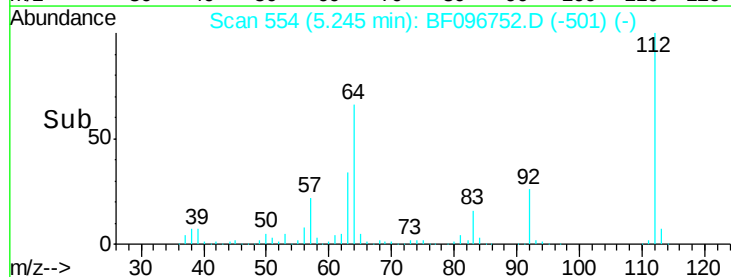
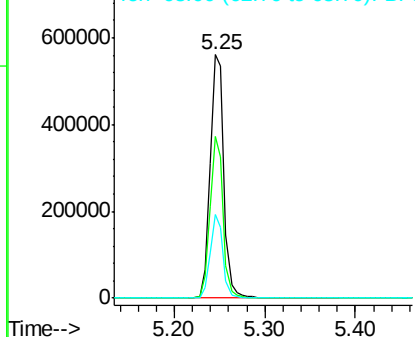
#5

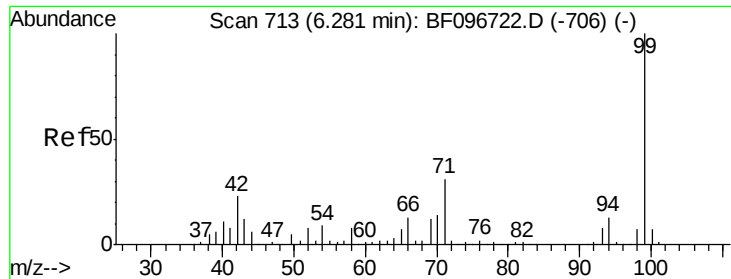
2-Fluorophenol  
Concen: 83.52 ng  
RT: 5.25 min Scan# 554  
Delta R.T. 0.01 min  
Lab File: BF096752.D  
Acq: 14 Jul 2017 2:46

Tgt Ion:112 Resp: 596720  
Ion Ratio Lower Upper  
112 100  
64 66.3 46.0 69.0  
63 34.1 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF0  
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 81.99 ng

RT: 6.28 min Scan# 730

Delta R.T. -0.00 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

Instrument :

BNA\_F

ClientSampleId :

COMP-1-2-3

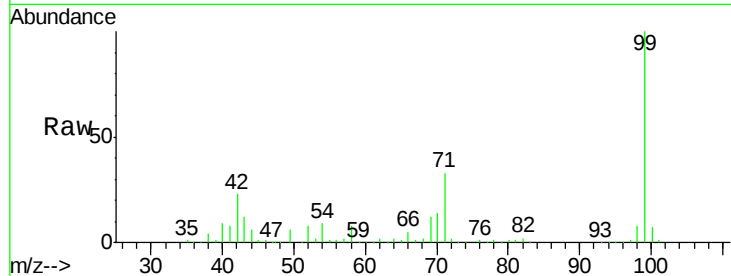
Tot Ion: 99 Resp: 702971

Ion Ratio Lower Upper

99 100

42 22.9 13.5 20.3#

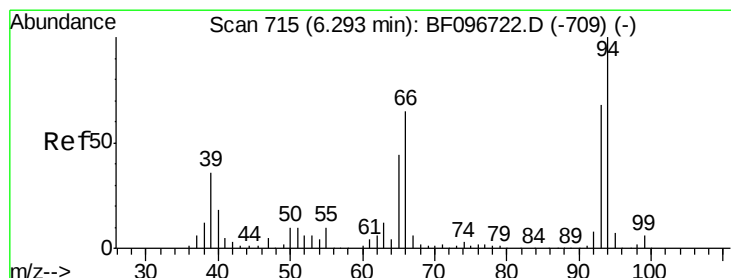
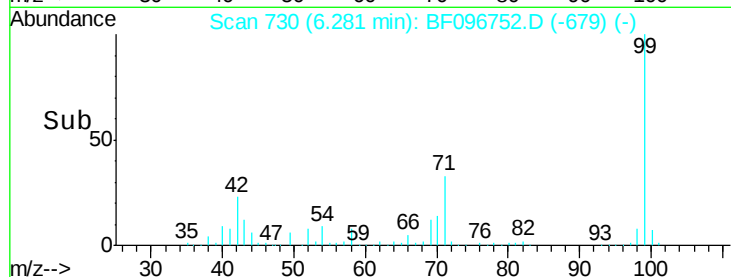
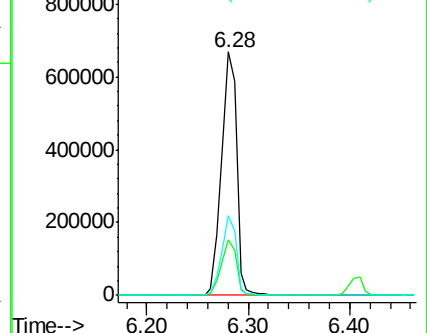
71 32.7 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.34 ng

RT: 6.29 min Scan# 732

Delta R.T. -0.00 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

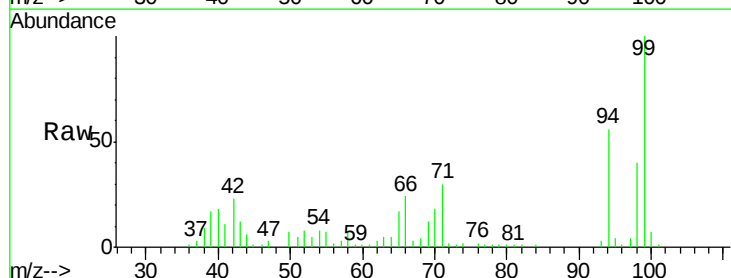
Tgt Ion: 94 Resp: 22675

Ion Ratio Lower Upper

94 100

65 30.2 9.9 49.9

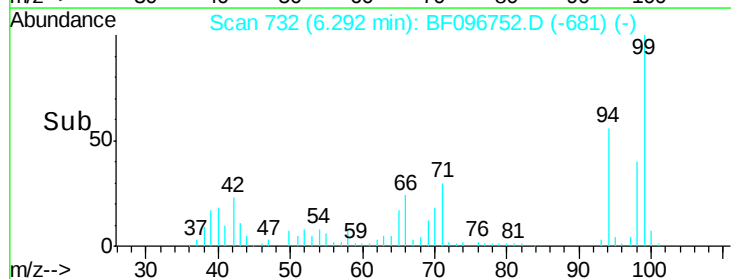
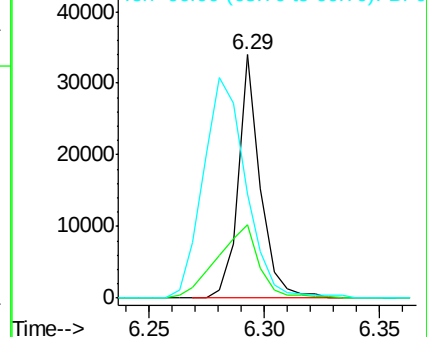
66 42.6 23.1 63.1

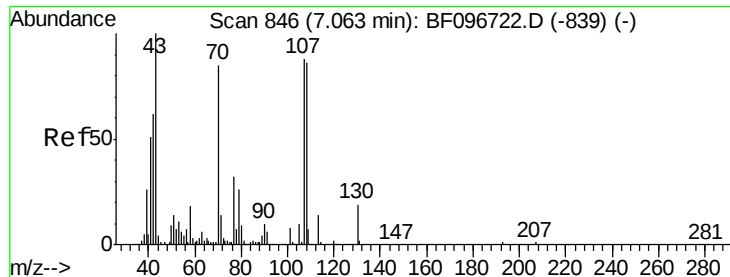


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

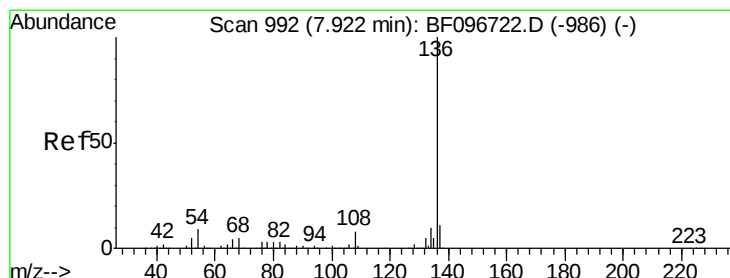
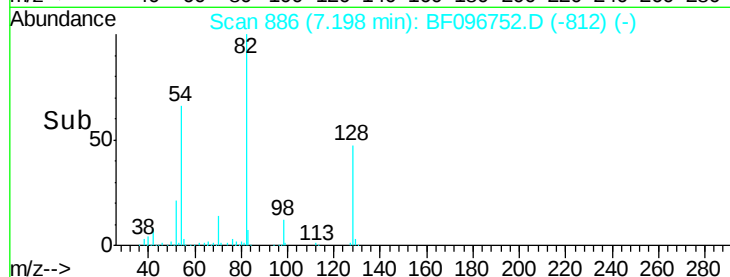
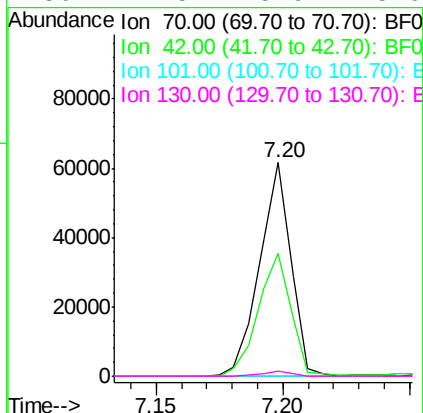
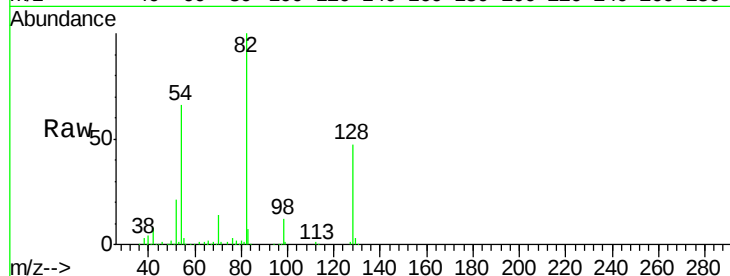




#19  
n-Nitroso-di-n-propylamine  
Concen: 10.28 ng  
RT: 7.20 min Scan# 886  
Delta R.T. 0.14 min  
Lab File: BF096752.D  
Acq: 14 Jul 2017 2:46

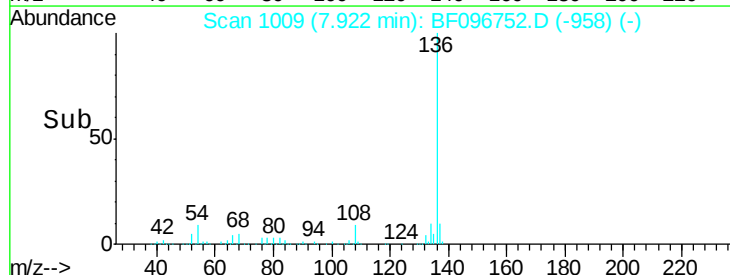
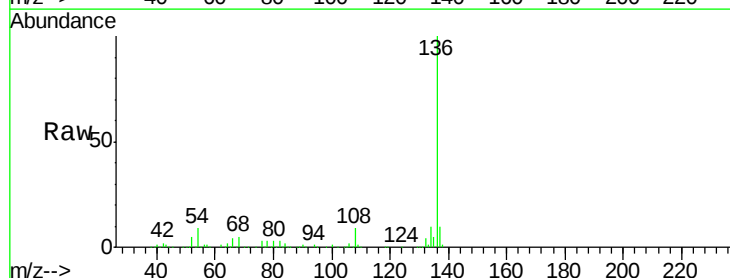
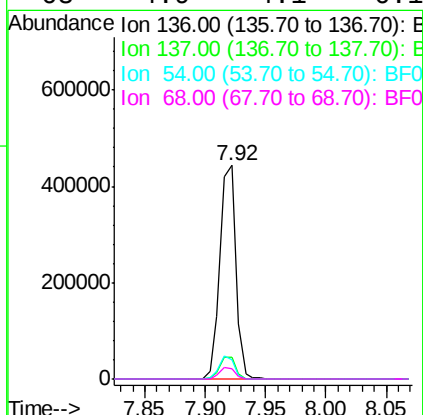
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1-2-3

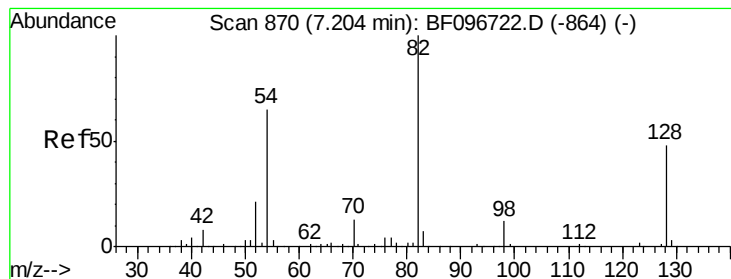
Tot Ion: 70 Resp: 53096  
Ion Ratio Lower Upper  
70 100  
42 57.7 47.2 70.8  
101 0.0 7.2 10.8#  
130 2.5 15.9 23.9#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.92 min Scan# 1009  
Delta R.T. -0.00 min  
Lab File: BF096752.D  
Acq: 14 Jul 2017 2:46

Tgt Ion:136 Resp: 404137  
Ion Ratio Lower Upper  
136 100  
137 10.3 8.5 12.7  
54 9.1 4.9 7.3#  
68 4.9 4.1 6.1





#23

Nitrobenzene-d5

Concen: 61.38 ng

RT: 7.20 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

Instrument :

BNA\_F

ClientSampleId :

COMP-1-2-3

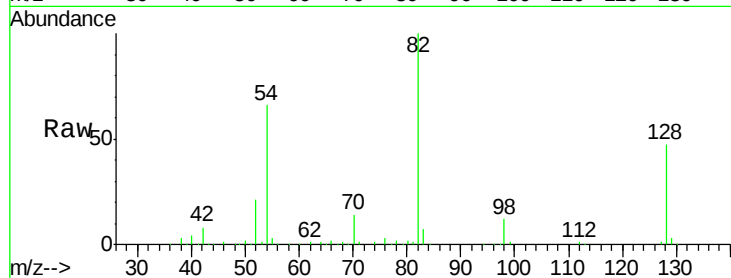
Tot Ion: 82 Resp: 400467

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

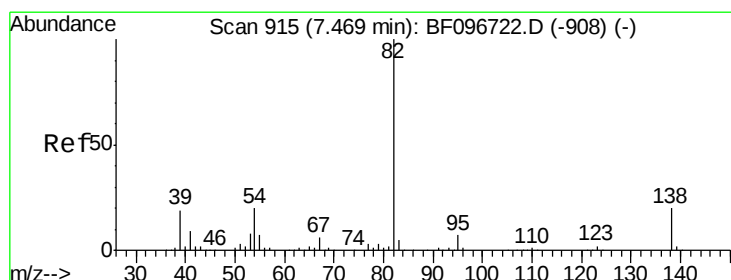
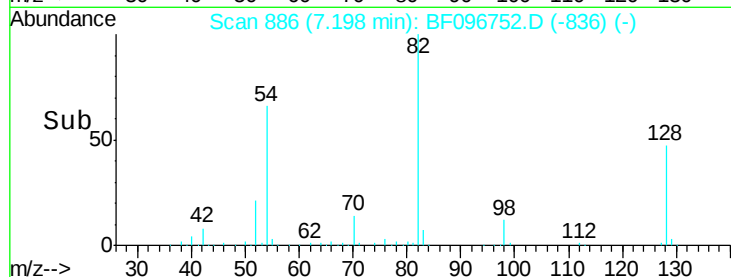
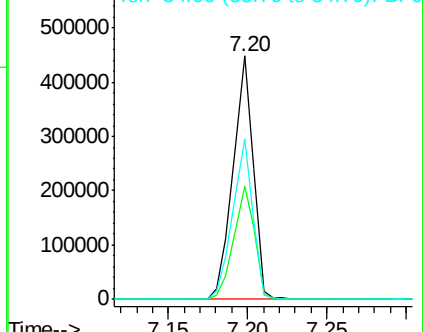
54 65.8 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 32.24 ng

RT: 7.20 min Scan# 886

Delta R.T. -0.27 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

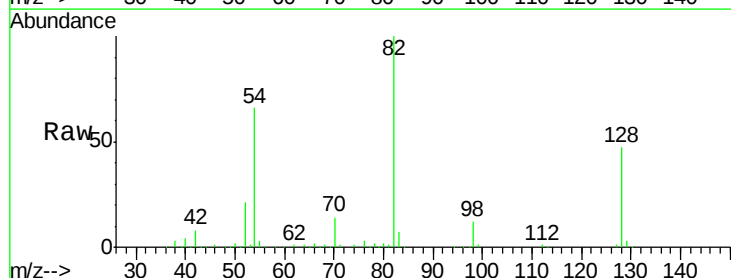
Tgt Ion: 82 Resp: 391270

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

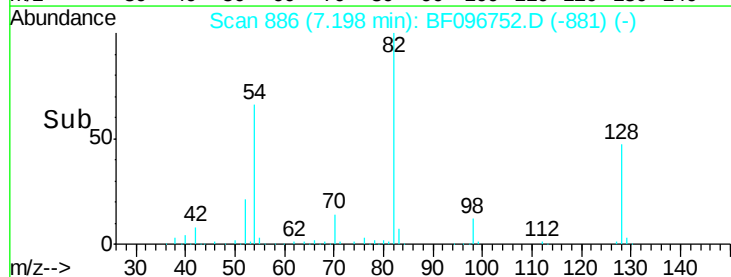
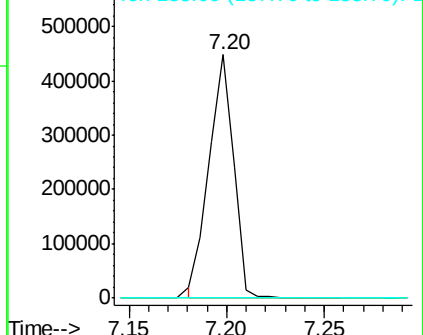
138 0.0 13.1 19.7#

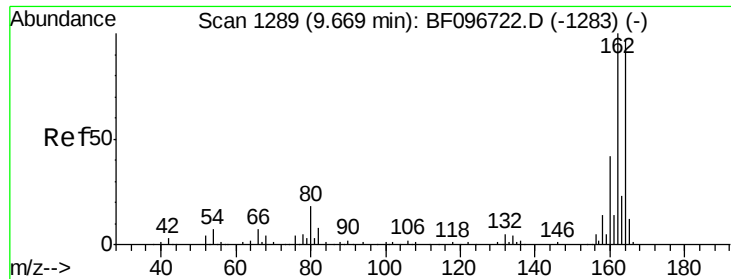


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

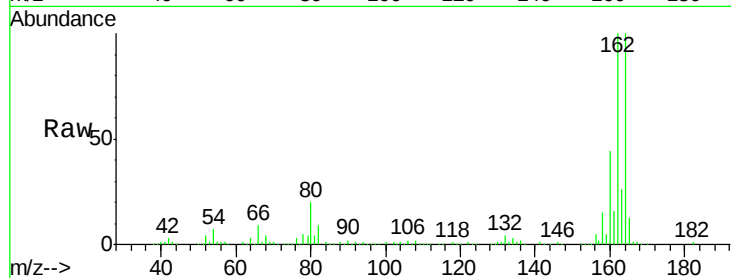




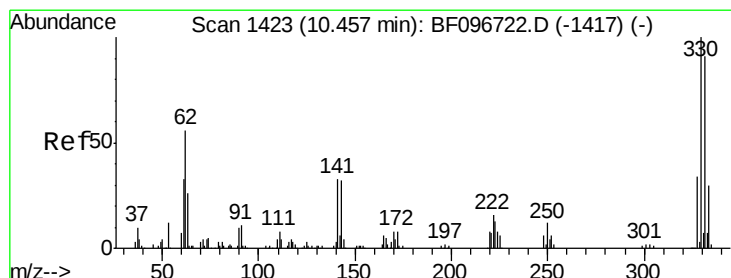
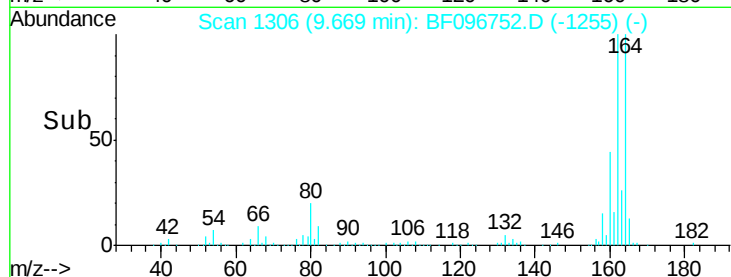
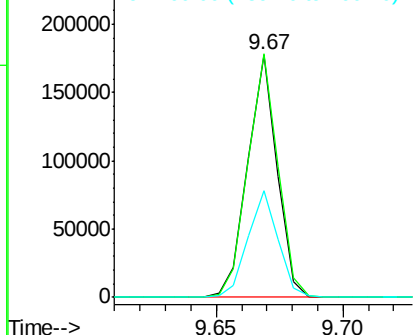
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.67 min Scan# 1306  
Delta R.T. -0.00 min  
Lab File: BF096752.D  
Acq: 14 Jul 2017 2:46

Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1-2-3

Tot Ion:164 Resp: 143581  
Ion Ratio Lower Upper  
164 100  
162 100.4 82.6 123.8  
160 44.0 36.2 54.2

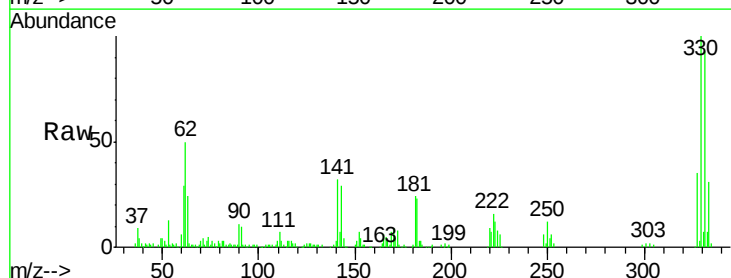


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

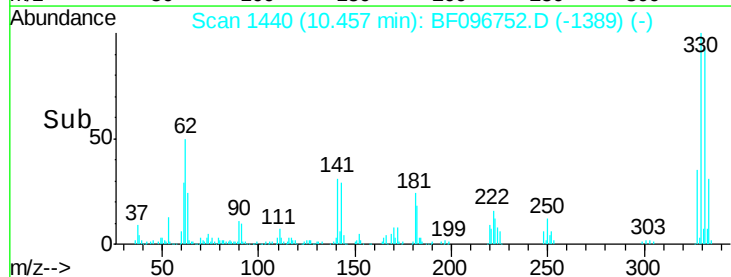
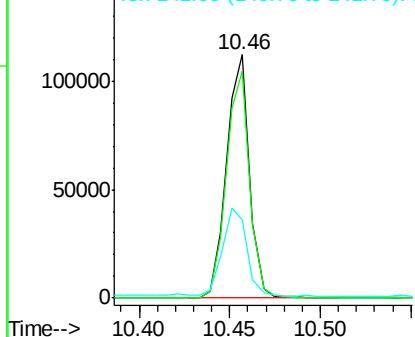


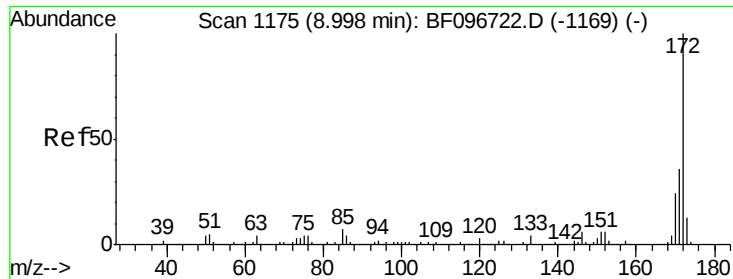
#41  
2,4,6-Tribromophenol  
Concen: 80.51 ng  
RT: 10.46 min Scan# 1440  
Delta R.T. -0.00 min  
Lab File: BF096752.D  
Acq: 14 Jul 2017 2:46

Tgt Ion:330 Resp: 98666  
Ion Ratio Lower Upper  
330 100  
332 94.4 76.6 115.0  
141 38.7 31.4 47.2



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

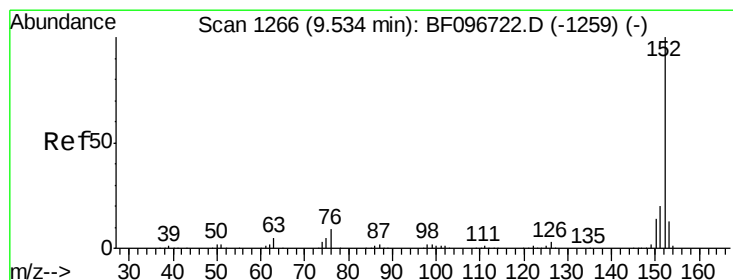
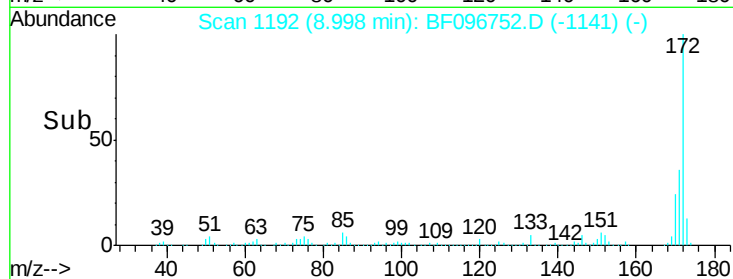
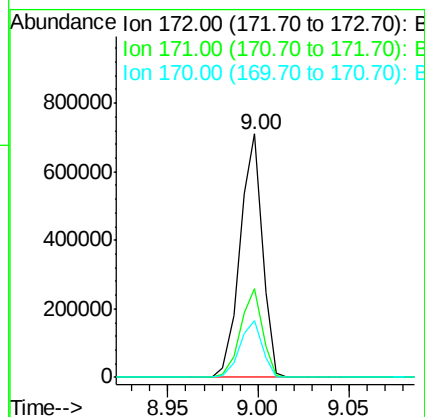
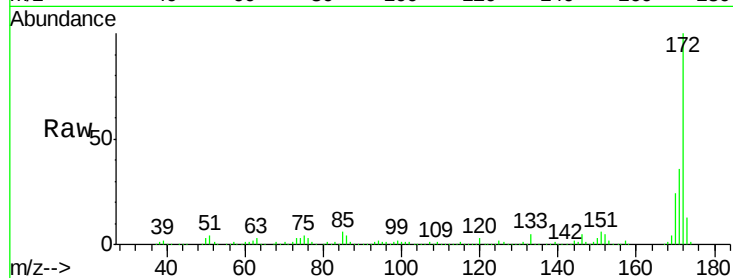




#44  
2-Fluorobiphenyl  
Concen: 66.83 ng  
RT: 9.00 min Scan# 1192  
Delta R.T. -0.00 min  
Lab File: BF096752.D  
Acq: 14 Jul 2017 2:46

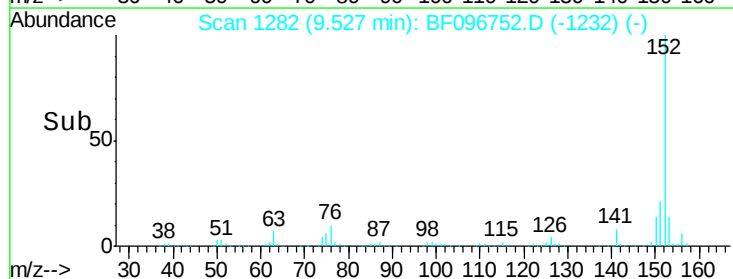
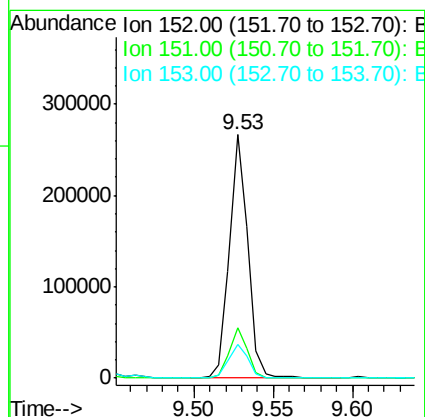
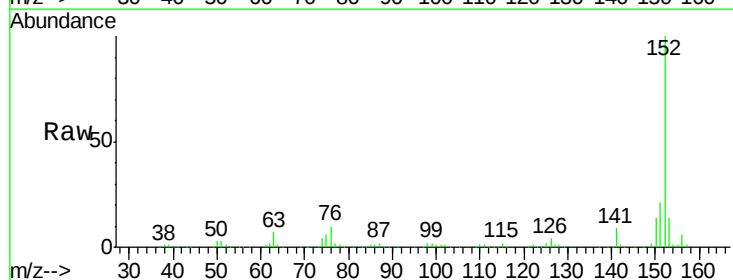
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1-2-3

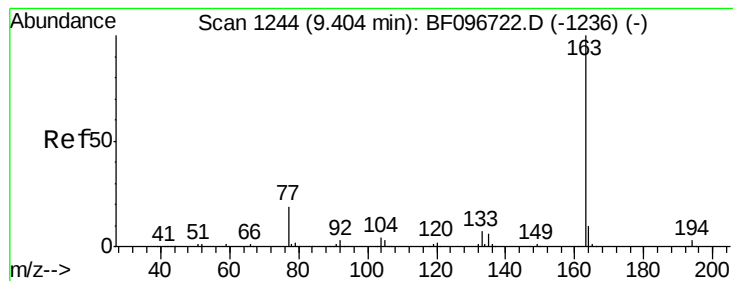
Tot Ion:172 Resp: 607344  
Ion Ratio Lower Upper  
172 100  
171 36.5 29.6 44.4  
170 23.5 19.8 29.8



#48  
Acenaphthylene  
Concen: 14.91 ng  
RT: 9.53 min Scan# 1282  
Delta R.T. -0.01 min  
Lab File: BF096752.D  
Acq: 14 Jul 2017 2:46

Tgt Ion:152 Resp: 215472  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.8 25.2  
153 13.8 10.8 16.2





#49

Dimethylphthalate

Concen: 9.04 ng

RT: 9.39 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

Instrument :

BNA\_F

ClientSampleId :

COMP-1-2-3

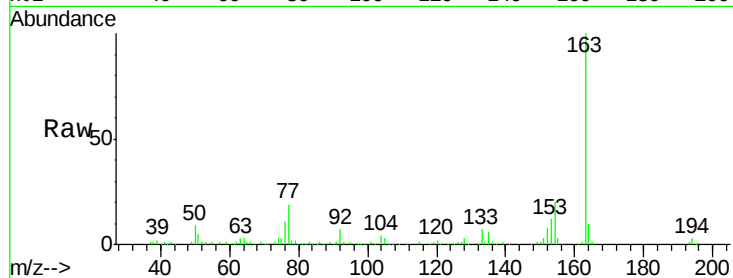
Tot Ion:163 Resp: 97725

Ion Ratio Lower Upper

163 100

194 3.1 2.6 4.0

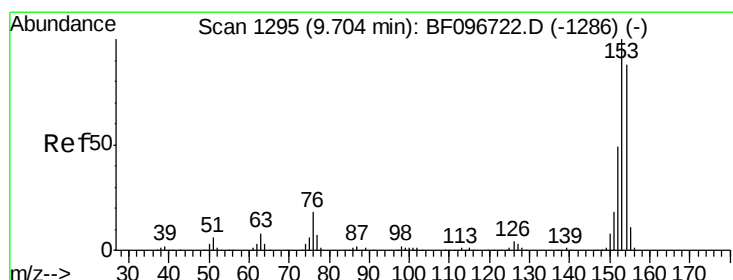
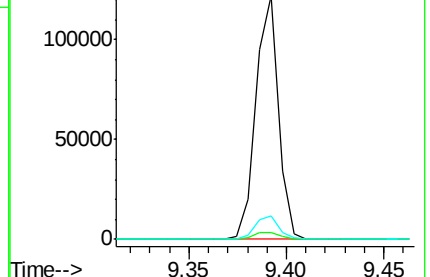
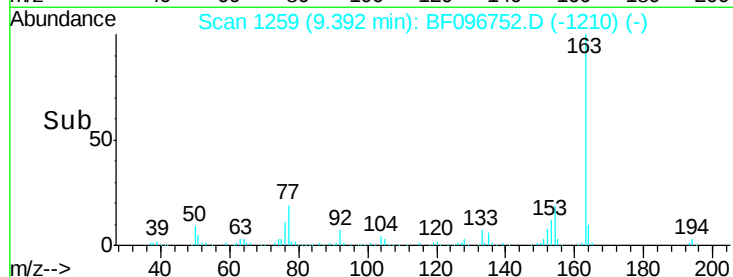
164 9.6 8.4 12.6



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

Acenaphthene

Concen: 9.48 ng

RT: 9.70 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

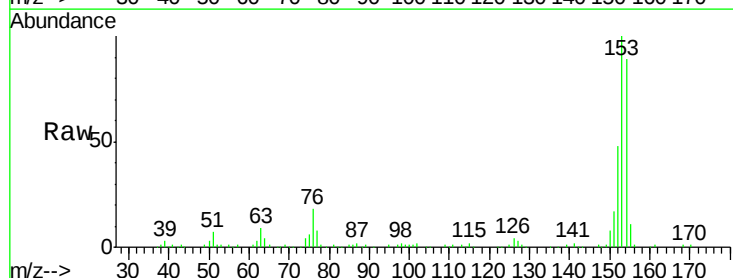
Tgt Ion:154 Resp: 80911

Ion Ratio Lower Upper

154 100

153 112.8 90.5 135.7

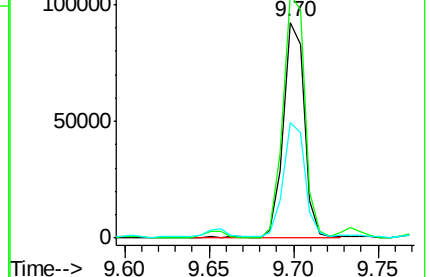
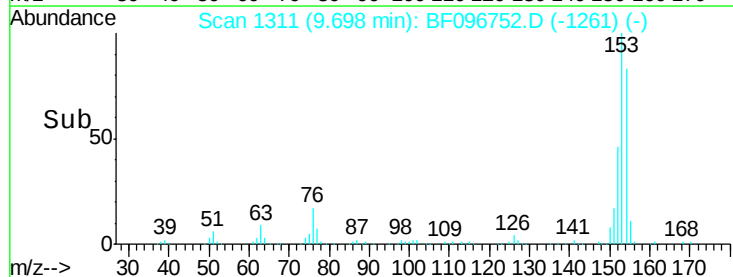
152 53.7 43.6 65.4

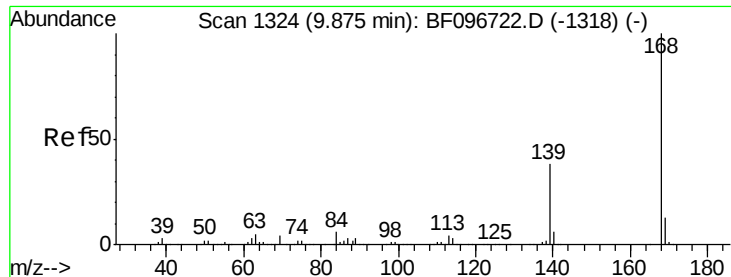


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

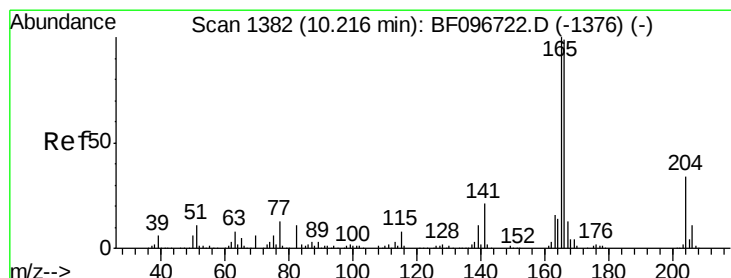
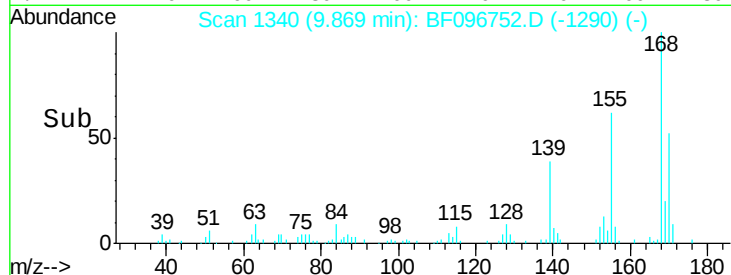
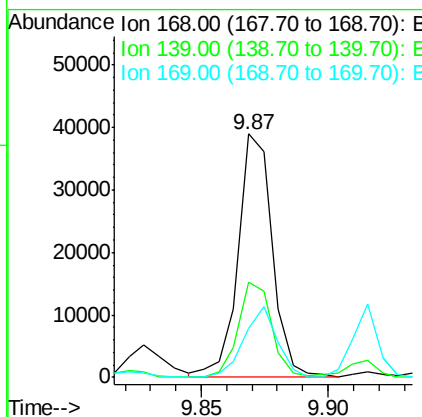
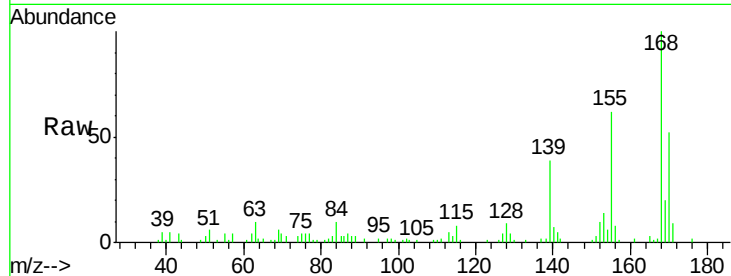




#54  
Dibenzenofuran  
Concen: 3.07 ng  
RT: 9.87 min Scan# 1340  
Delta R.T. -0.01 min  
Lab File: BF096752.D  
Acq: 14 Jul 2017 2:46

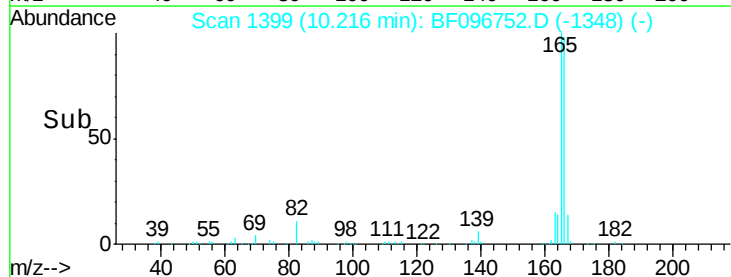
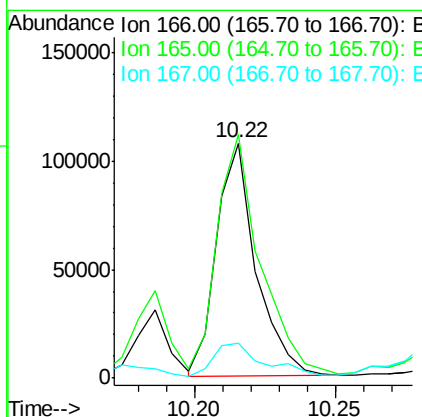
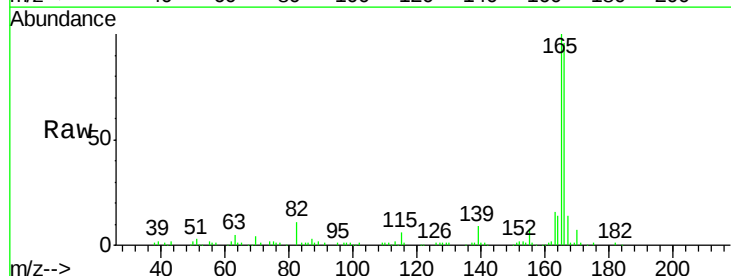
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1-2-3

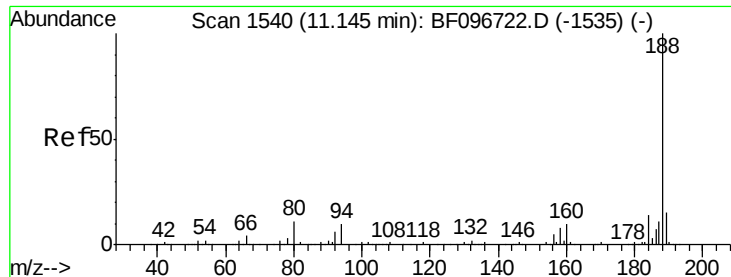
Tot Ion:168 Resp: 36669  
Ion Ratio Lower Upper  
168 100  
139 39.1 30.6 45.8  
169 20.0 10.8 16.2#



#57  
Fluorene  
Concen: 11.79 ng  
RT: 10.22 min Scan# 1399  
Delta R.T. 0.00 min  
Lab File: BF096752.D  
Acq: 14 Jul 2017 2:46

Tgt Ion:166 Resp: 104206  
Ion Ratio Lower Upper  
166 100  
165 103.7 78.8 118.2  
167 15.0 10.6 16.0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.15 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

Instrument :

BNA\_F

ClientSampleId :

COMP-1-2-3

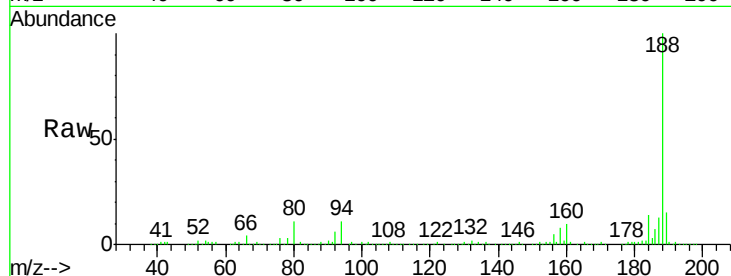
Tot Ion:188 Resp: 230226

Ion Ratio Lower Upper

188 100

94 10.9 9.4 14.2

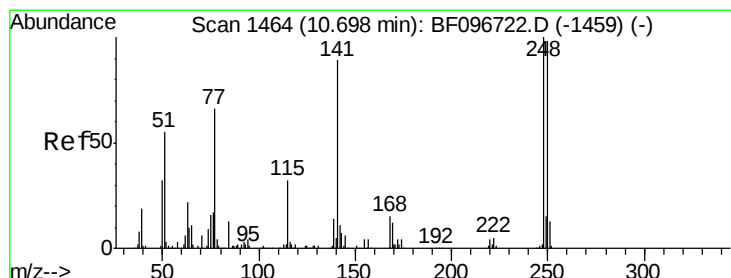
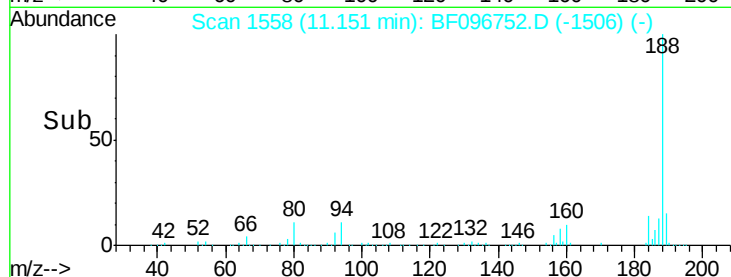
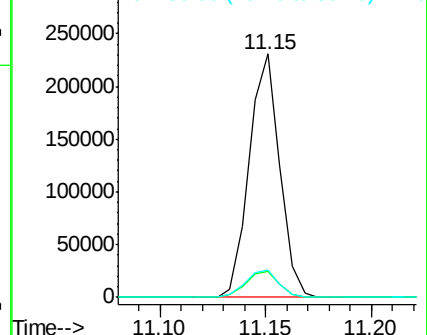
80 11.0 10.2 15.2



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66

4-Bromophenyl-phenylether

Concen: 2.68 ng

RT: 10.46 min Scan# 1440

Delta R.T. -0.24 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

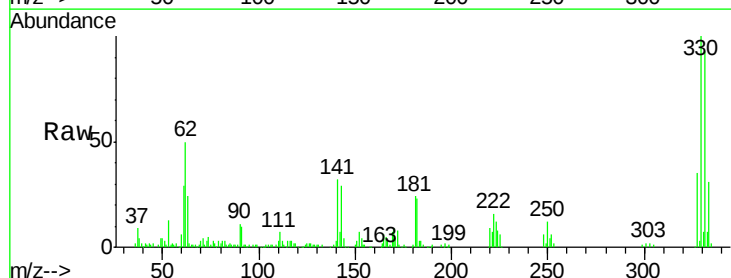
Tgt Ion:248 Resp: 6303

Ion Ratio Lower Upper

248 100

250 179.7 76.8 115.2#

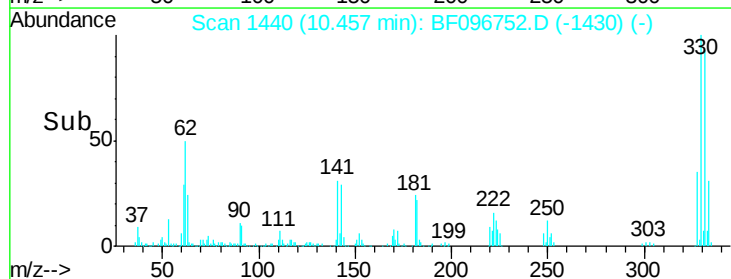
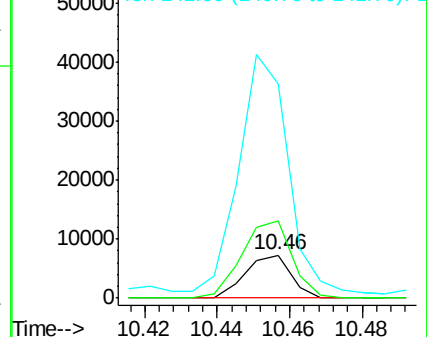
141 502.0 68.6 103.0#

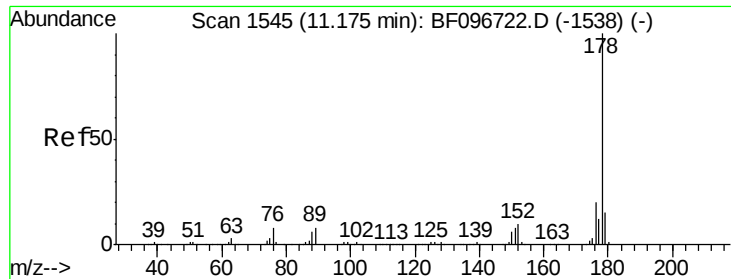


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

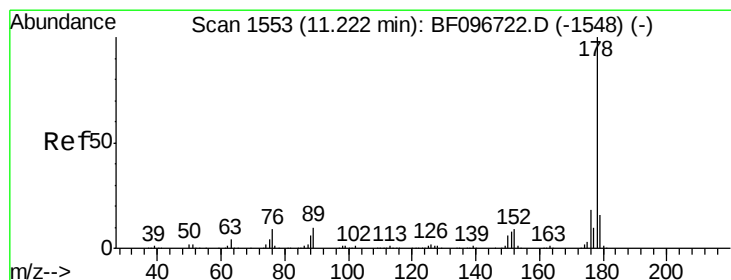
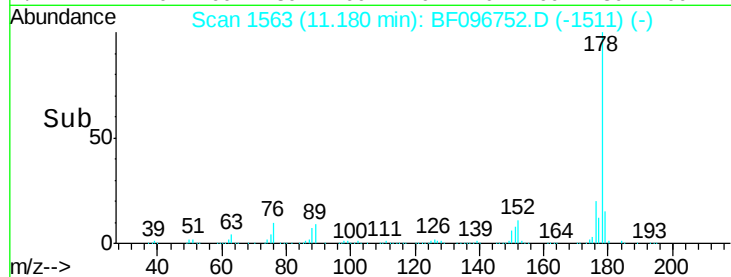
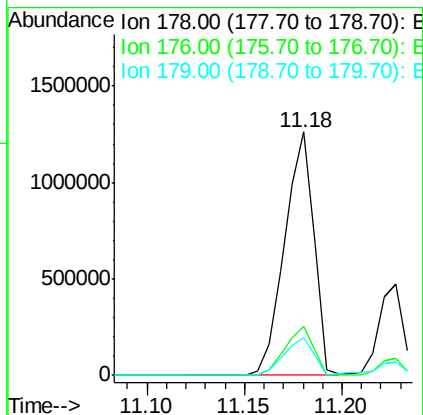
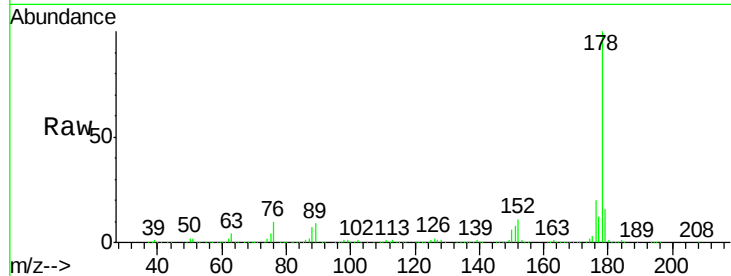




#70  
Phenanthrene  
Concen: 104.13 ng  
RT: 11.18 min Scan# 1563  
Delta R.T. 0.01 min  
Lab File: BF096752.D  
Acq: 14 Jul 2017 2:46

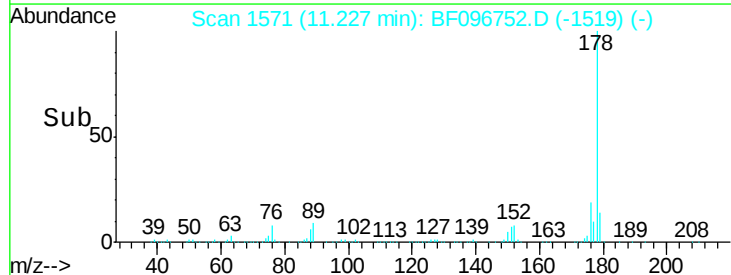
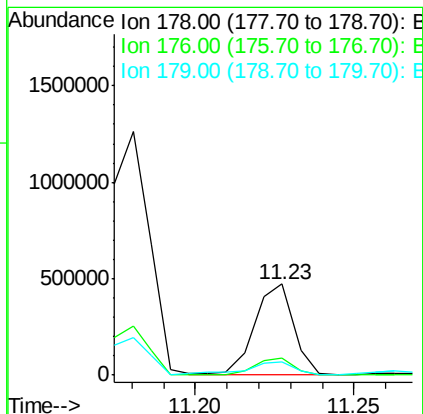
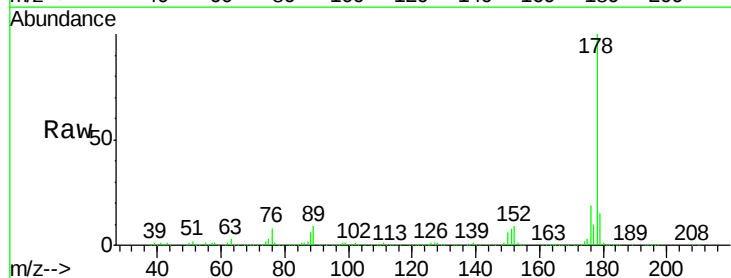
Instrument :  
BNA\_F  
ClientSampleId :  
COMP-1-2-3

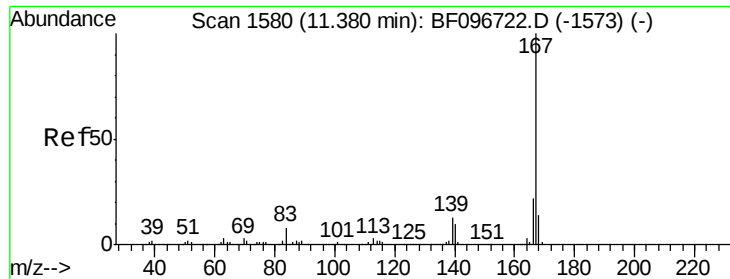
Tot Ion:178 Resp: 1303542  
Ion Ratio Lower Upper  
178 100  
176 20.0 16.2 24.4  
179 15.6 12.6 19.0



#71  
Anthracene  
Concen: 31.75 ng  
RT: 11.23 min Scan# 1571  
Delta R.T. 0.01 min  
Lab File: BF096752.D  
Acq: 14 Jul 2017 2:46

Tgt Ion:178 Resp: 401825  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.8 23.8  
179 14.8 12.7 19.1





#72

Carbazole

Concen: 7.14 ng

RT: 11.37 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

Instrument :

BNA\_F

ClientSampleId :

COMP-1-2-3

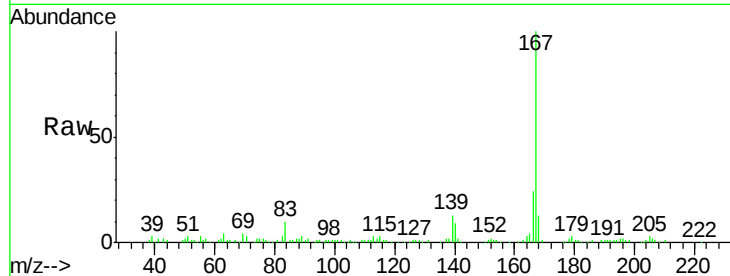
Tot Ion:167 Resp: 87491

Ion Ratio Lower Upper

167 100

166 23.7 18.1 27.1

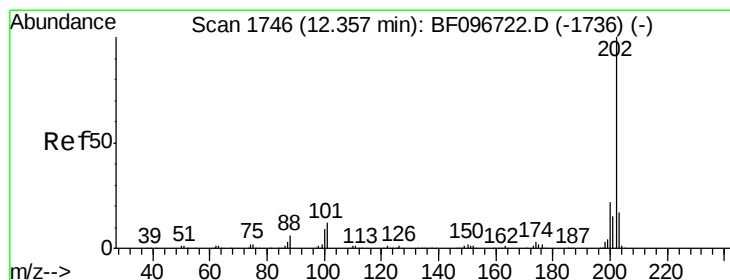
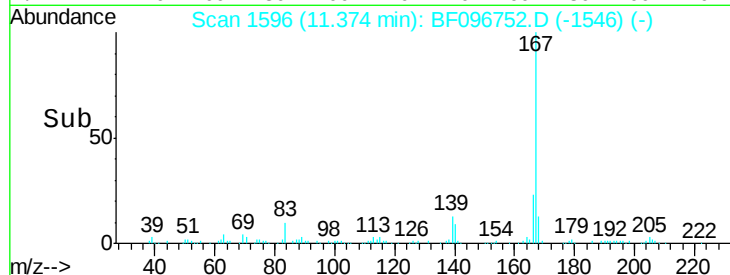
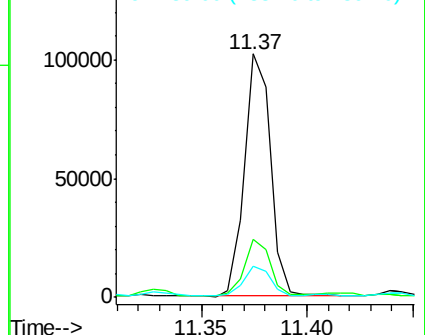
139 12.9 11.7 17.5



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: 164.37 ng

RT: 12.37 min Scan# 1766

Delta R.T. 0.02 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

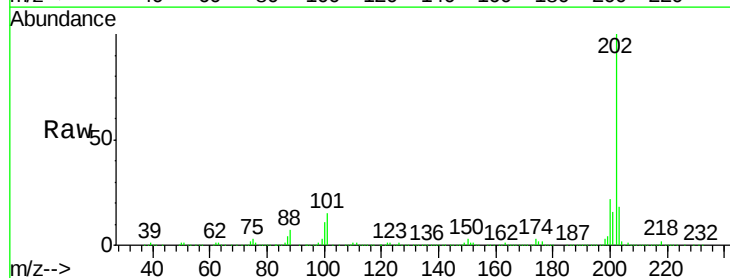
Tgt Ion:202 Resp: 1969449

Ion Ratio Lower Upper

202 100

101 14.5 0.0 33.2

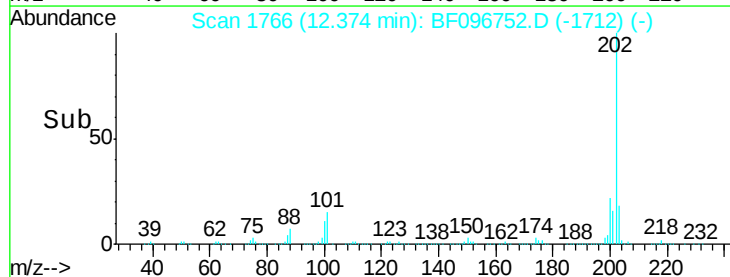
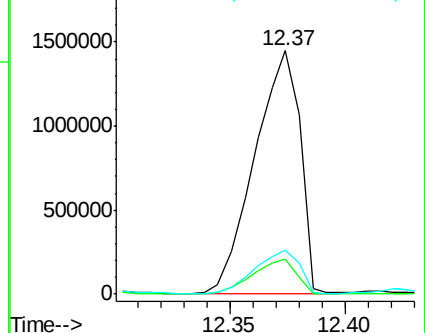
203 18.2 0.0 38.1

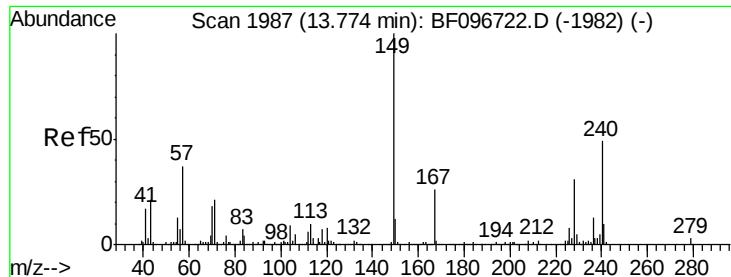


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.79 min Scan# 2007

Delta R.T. 0.02 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

Instrument :

BNA\_F

ClientSampleId :

COMP-1-2-3

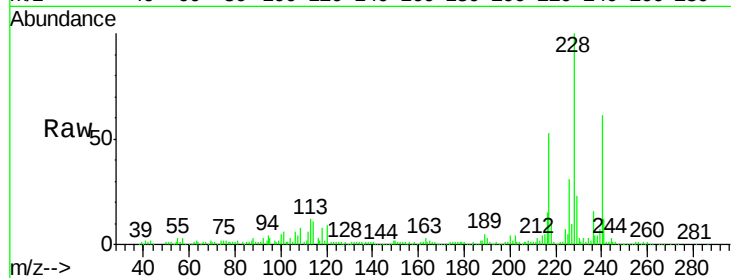
Tot Ion:240 Resp: 157354

Ion Ratio Lower Upper

240 100

120 14.3 5.8 8.8#

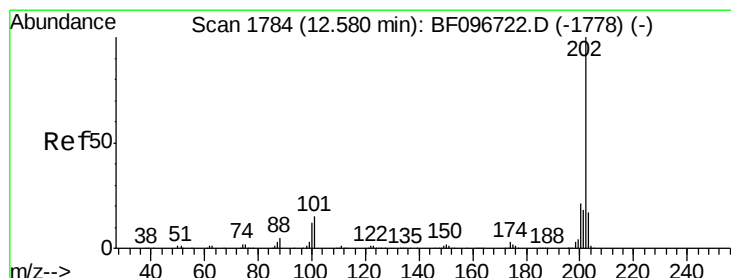
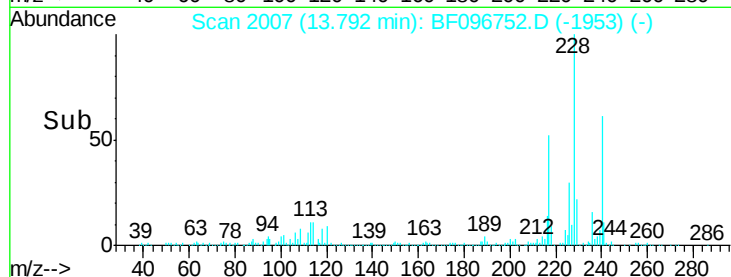
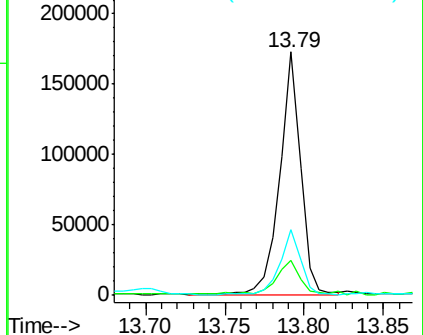
236 26.9 20.5 30.7



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: 147.19 ng

RT: 12.60 min Scan# 1805

Delta R.T. 0.02 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

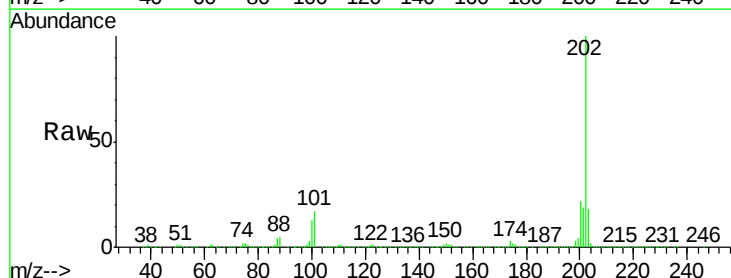
Tgt Ion:202 Resp: 2101937

Ion Ratio Lower Upper

202 100

200 22.0 17.6 26.4

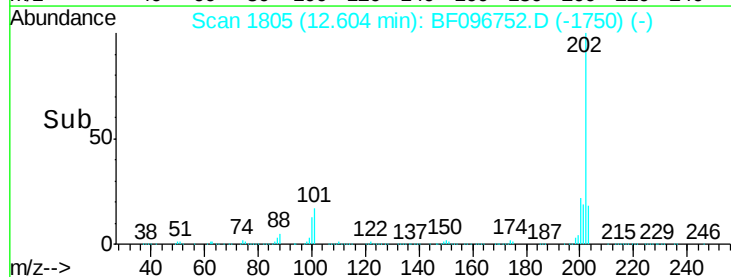
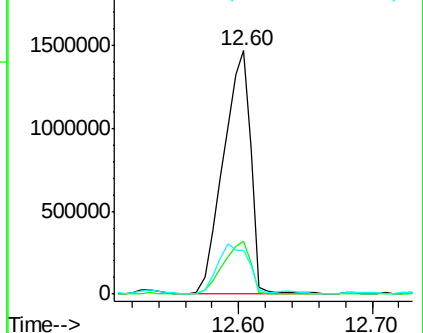
203 18.1 14.4 21.6

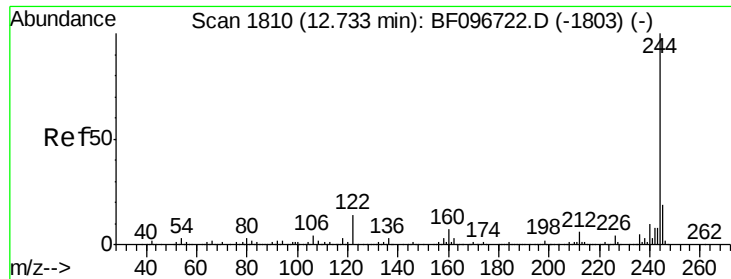


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

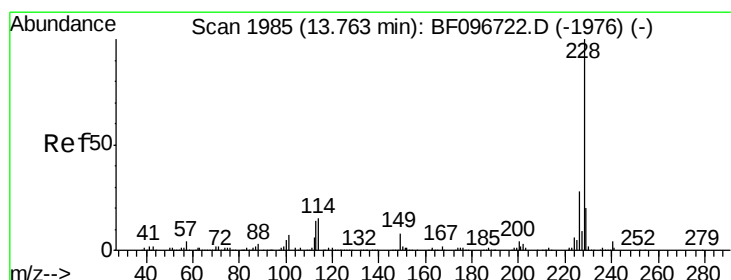
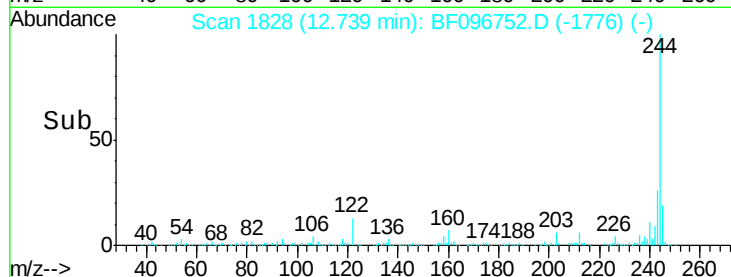
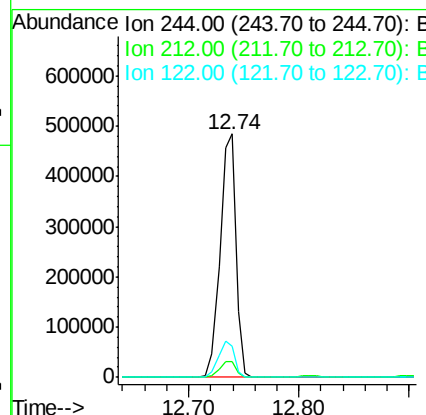
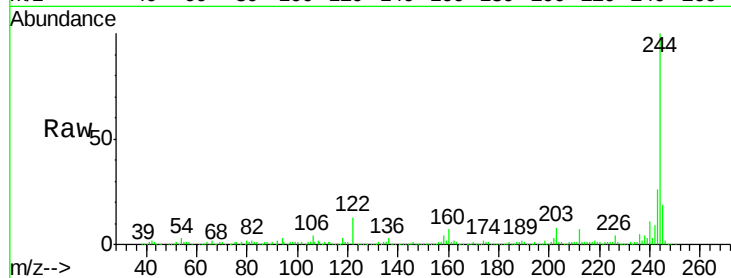




#78  
 Terphenyl-d14  
 Concen: 52.94 ng  
 RT: 12.74 min Scan# 1828  
 Delta R.T. 0.01 min  
 Lab File: BF096752.D  
 Acq: 14 Jul 2017 2:46

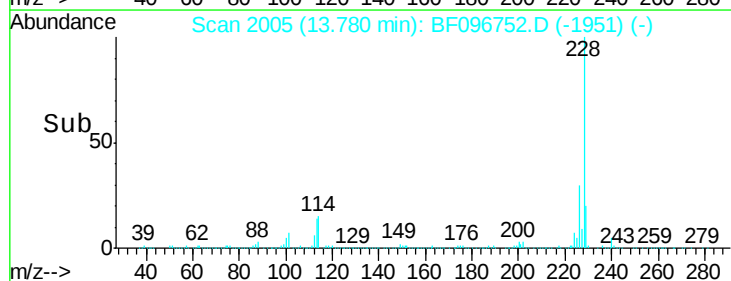
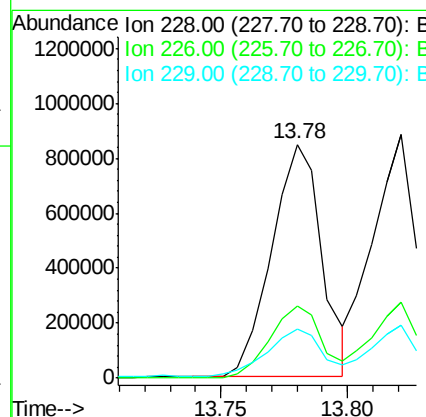
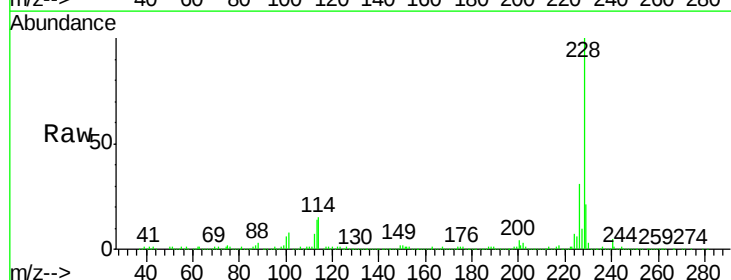
Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-1-2-3

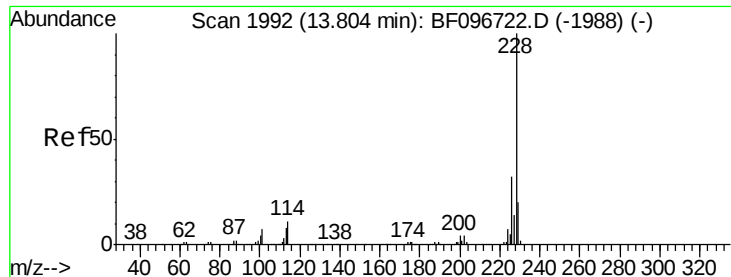
Tot Ion:244 Resp: 480332  
 Ion Ratio Lower Upper  
 244 100  
 212 6.5 6.0 9.0  
 122 12.7 10.3 15.5



#80  
 Benzo(a)anthracene  
 Concen: 119.70 ng  
 RT: 13.78 min Scan# 2005  
 Delta R.T. 0.02 min  
 Lab File: BF096752.D  
 Acq: 14 Jul 2017 2:46

Tgt Ion:228 Resp: 1173575  
 Ion Ratio Lower Upper  
 228 100  
 226 30.6 22.6 33.8  
 229 20.9 16.3 24.5





#82

Chrysene

Concen: 105.91 ng

RT: 13.82 min Scan# 2012

Delta R.T. 0.02 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

Instrument :

BNA\_F

ClientSampleId :

COMP-1-2-3

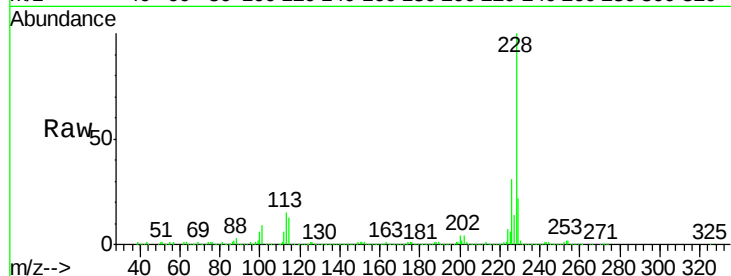
Tot Ion:228 Resp: 1022219

Ion Ratio Lower Upper

228 100

226 31.1 24.9 37.3

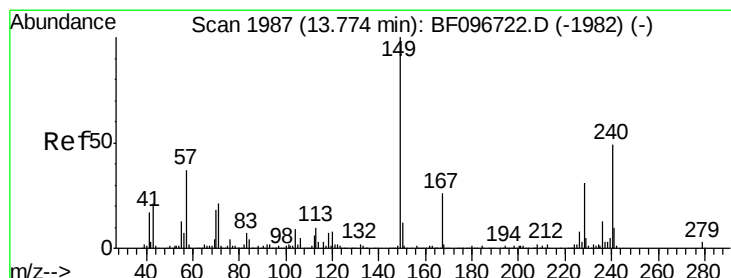
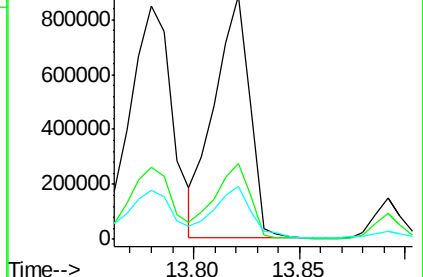
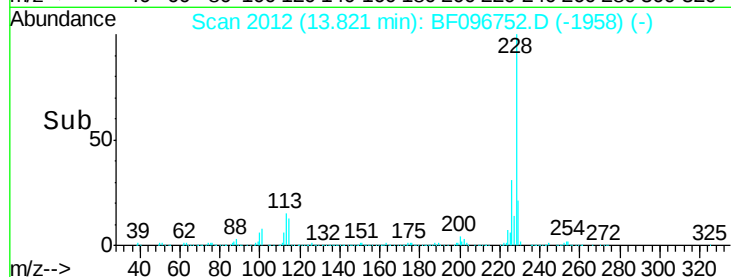
229 21.5 15.8 23.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.01 ng

RT: 13.78 min Scan# 2005

Delta R.T. 0.01 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

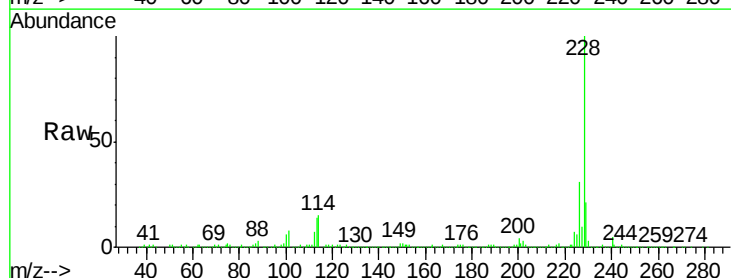
Tgt Ion:149 Resp: 16639

Ion Ratio Lower Upper

149 100

167 23.5 21.0 31.4

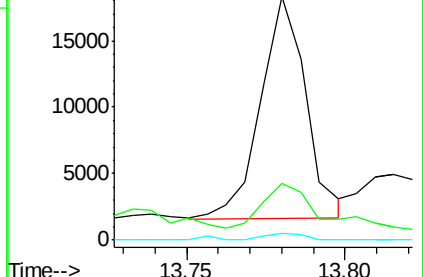
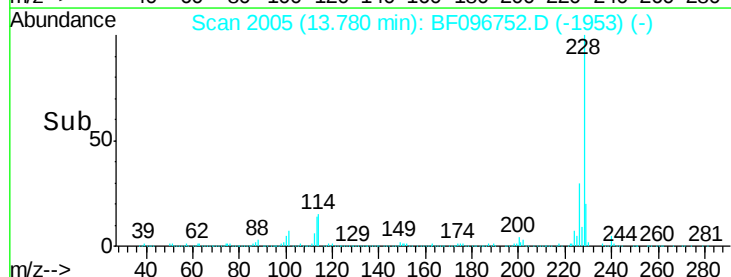
279 2.6 1.9 2.9

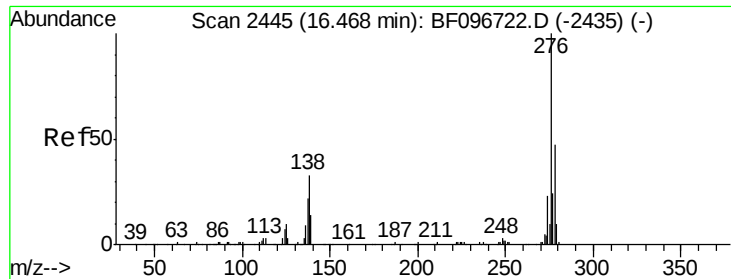


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

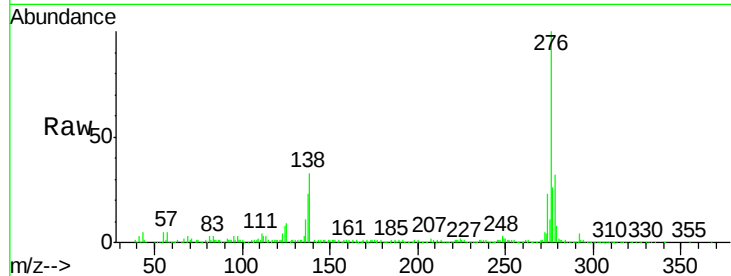




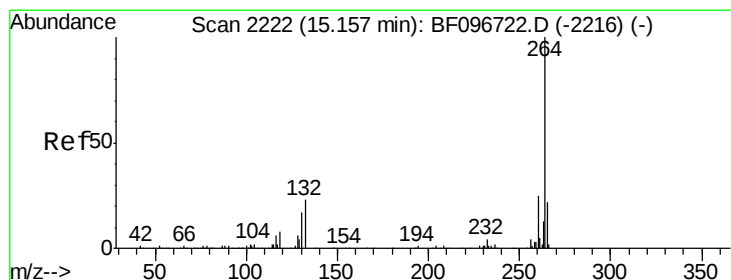
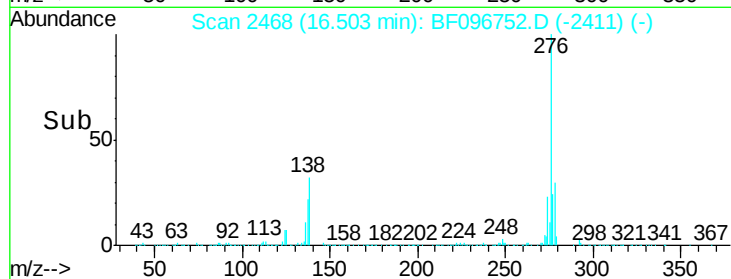
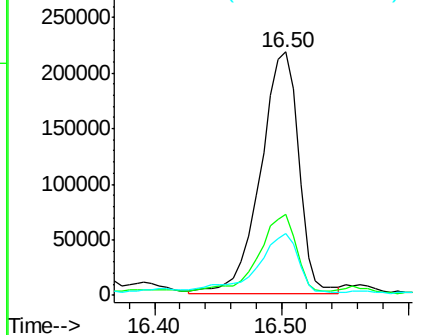
#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 48.98 ng  
 RT: 16.50 min Scan# 2468  
 Delta R.T. 0.04 min  
 Lab File: BF096752.D  
 Acq: 14 Jul 2017 2:46

Instrument :  
 BNA\_F  
 ClientSampleId :  
 COMP-1-2-3

Tot Ion:276 Resp: 454170  
 Ion Ratio Lower Upper  
 276 100  
 138 33.3 27.8 41.6  
 277 28.4 20.2 30.4

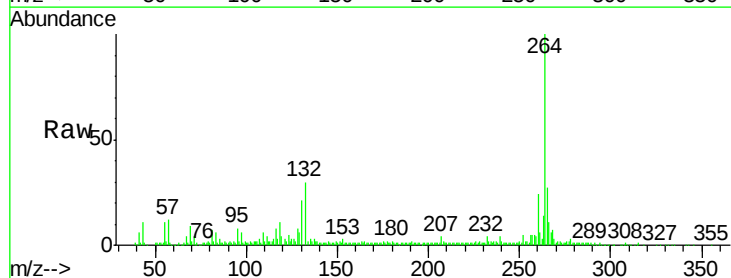


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

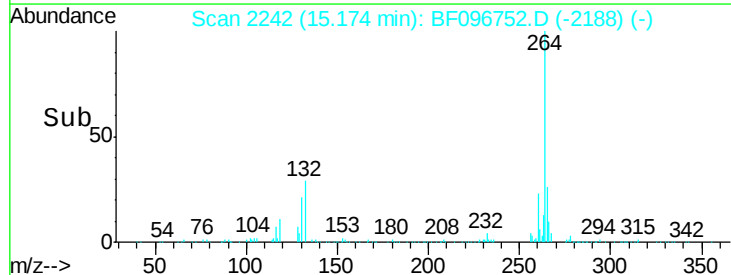
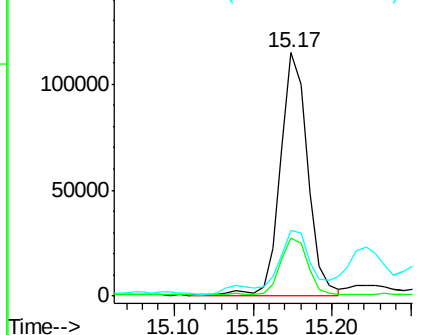


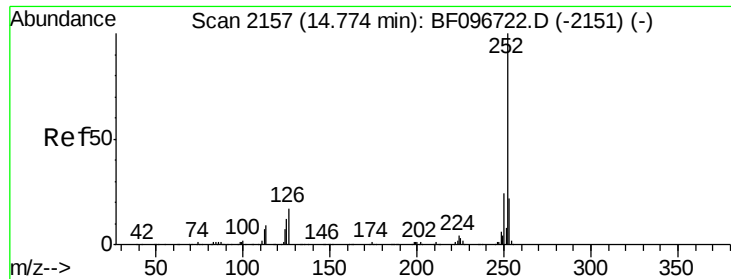
#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.17 min Scan# 2242  
 Delta R.T. 0.02 min  
 Lab File: BF096752.D  
 Acq: 14 Jul 2017 2:46

Tgt Ion:264 Resp: 135977  
 Ion Ratio Lower Upper  
 264 100  
 260 23.7 19.5 29.3  
 265 26.8 17.2 25.8#



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: 174.18 ng

RT: 14.80 min Scan# 2179

Delta R.T. 0.03 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

Instrument :

BNA\_F

ClientSampleId :

COMP-1-2-3

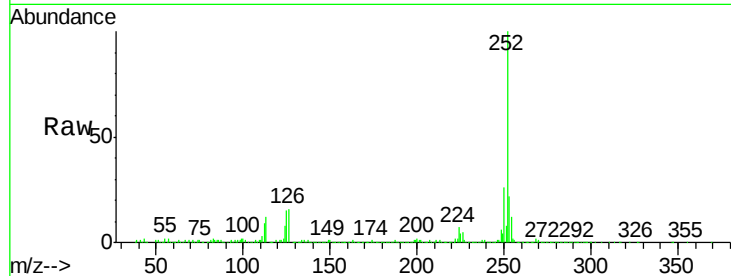
Tot Ion:252 Resp: 1428420

Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

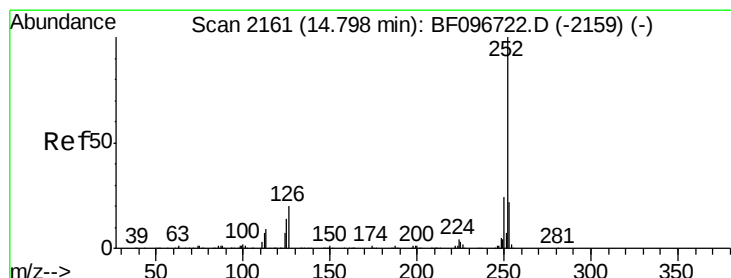
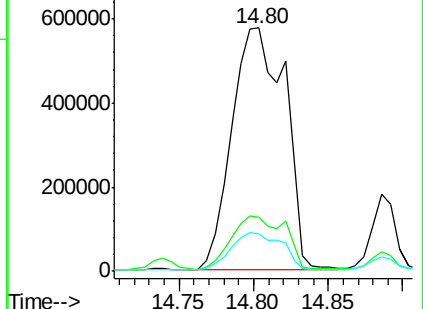
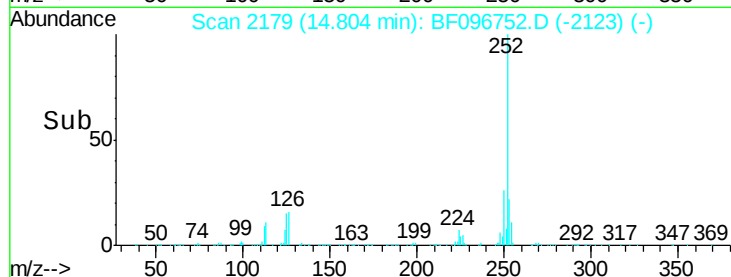
125 15.2 9.8 14.8#



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: 183.94 ng

RT: 14.80 min Scan# 2179

Delta R.T. 0.01 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

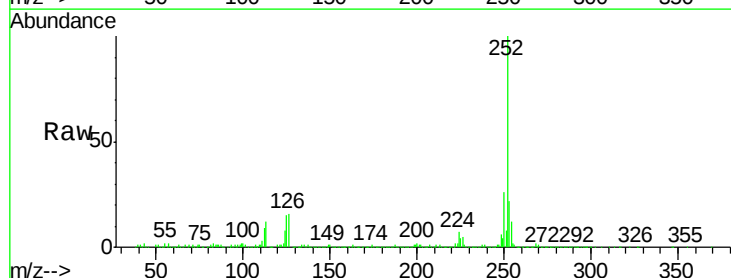
Tgt Ion:252 Resp: 1428420

Ion Ratio Lower Upper

252 100

253 22.2 18.4 27.6

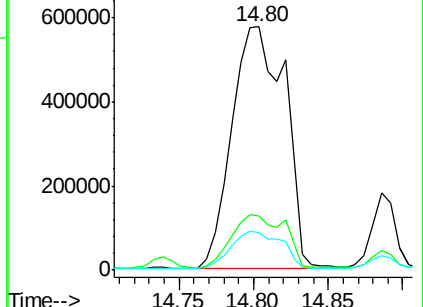
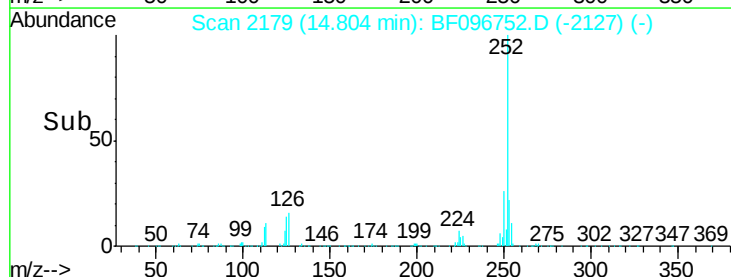
125 15.2 13.1 19.7

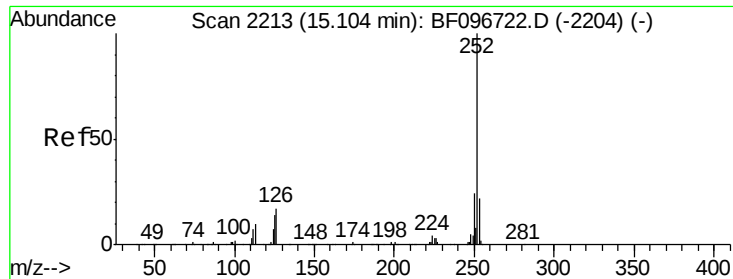


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 98.61 ng

RT: 15.13 min Scan# 2234

Delta R.T. 0.02 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

Instrument :

BNA\_F

ClientSampleId :

COMP-1-2-3

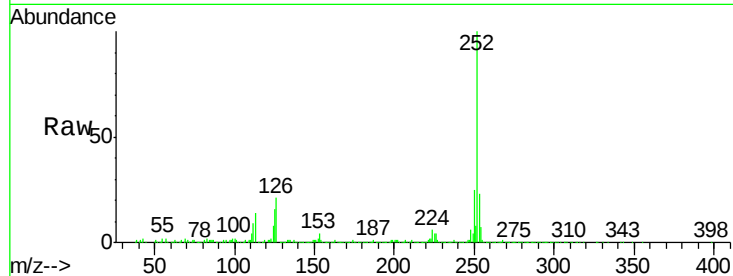
Tot Ion:252 Resp: 741722

Ion Ratio Lower Upper

252 100

253 22.6 17.5 26.3

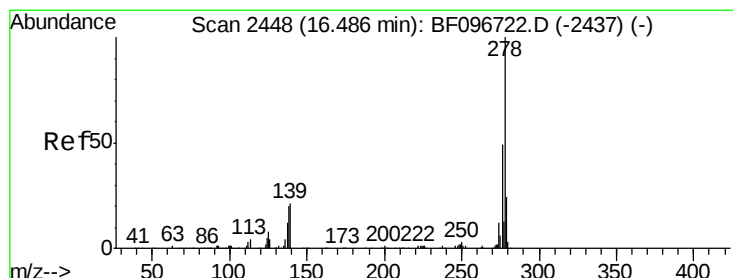
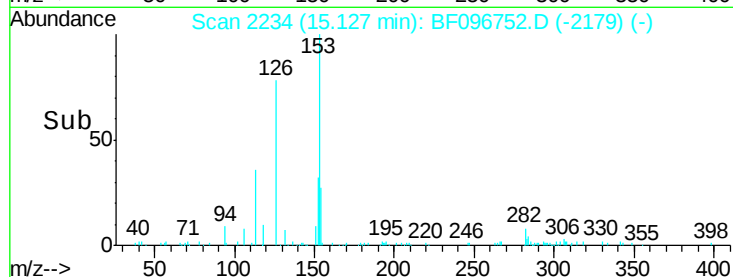
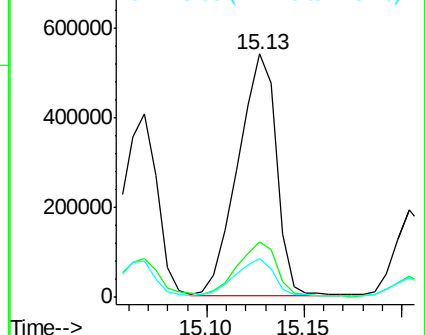
125 15.9 11.0 16.4



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

Dibenzo(a,h)anthracene

Concen: 14.25 ng

RT: 16.70 min Scan# 2501

Delta R.T. 0.21 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

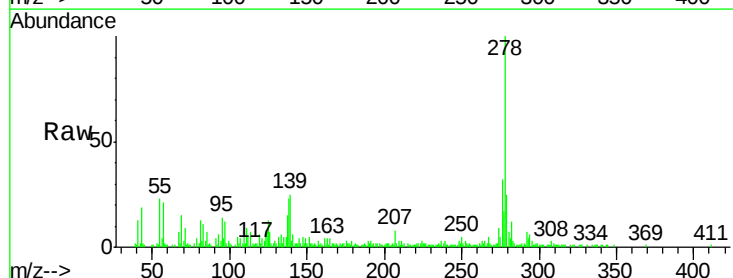
Tgt Ion:278 Resp: 98611

Ion Ratio Lower Upper

278 100

139 24.8 16.6 24.8

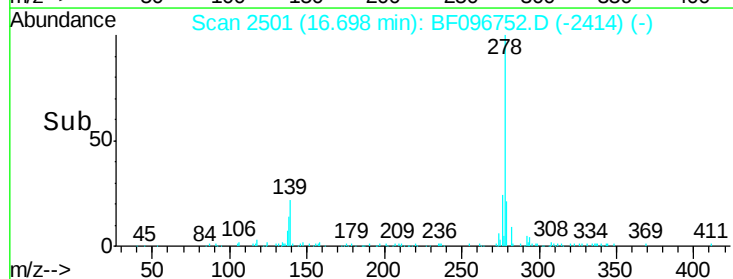
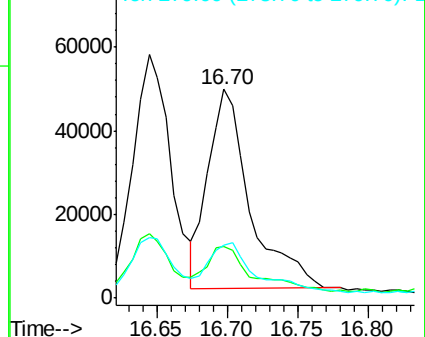
279 25.1 19.3 28.9

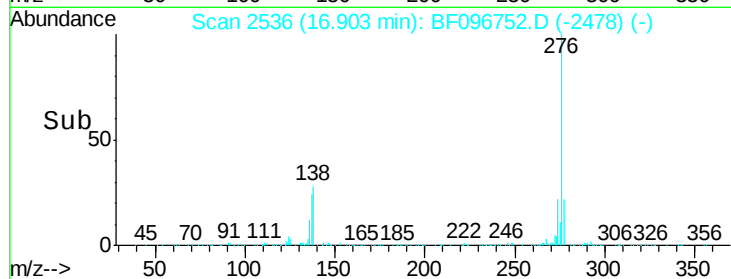
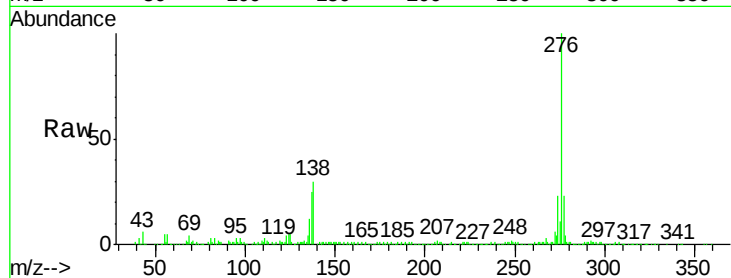
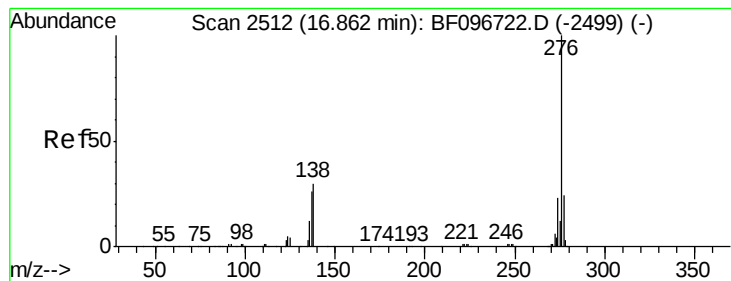


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 56.04 ng

RT: 16.90 min Scan# 2536

Delta R.T. 0.04 min

Lab File: BF096752.D

Acq: 14 Jul 2017 2:46

Instrument :

BNA\_F

ClientSampleId :

COMP-1-2-3

Tot Ion: 276 Resp: 415317

Ion Ratio Lower Upper

276 100

277 22.8 18.6 28.0

138 30.2 25.4 38.0

