

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF081717\  
 Data File : BF097829.D  
 Acq On : 18 Aug 2017 12:07  
 Operator : SJ/JU  
 Sample : I4820-06  
 Misc :  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-H8-WSW

Quant Time: Aug 18 13:52:11 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081517.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Aug 15 13:25:08 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.77  | 152  | 132324   | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8        | 8.06  | 136  | 482442   | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 9.81  | 164  | 180314   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.30 | 188  | 302089   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.93 | 240  | 257232   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.36 | 264  | 176943   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |       |
|--------------------------|-------|-----|---------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.39  | 112 | 1108972 | 127.48 | ng | 0.00  |
| 7) Phenol-d6             | 6.42  | 99  | 1477938 | 125.04 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 7.34  | 82  | 891631  | 100.40 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 10.60 | 330 | 188321  | 120.37 | ng | -0.01 |
| 44) 2-Fluorobiphenyl     | 9.14  | 172 | 1091270 | 88.92  | ng | 0.00  |
| 78) Terphenyl-d14        | 12.89 | 244 | 788171  | 63.90  | ng | 0.00  |

## Target Compounds

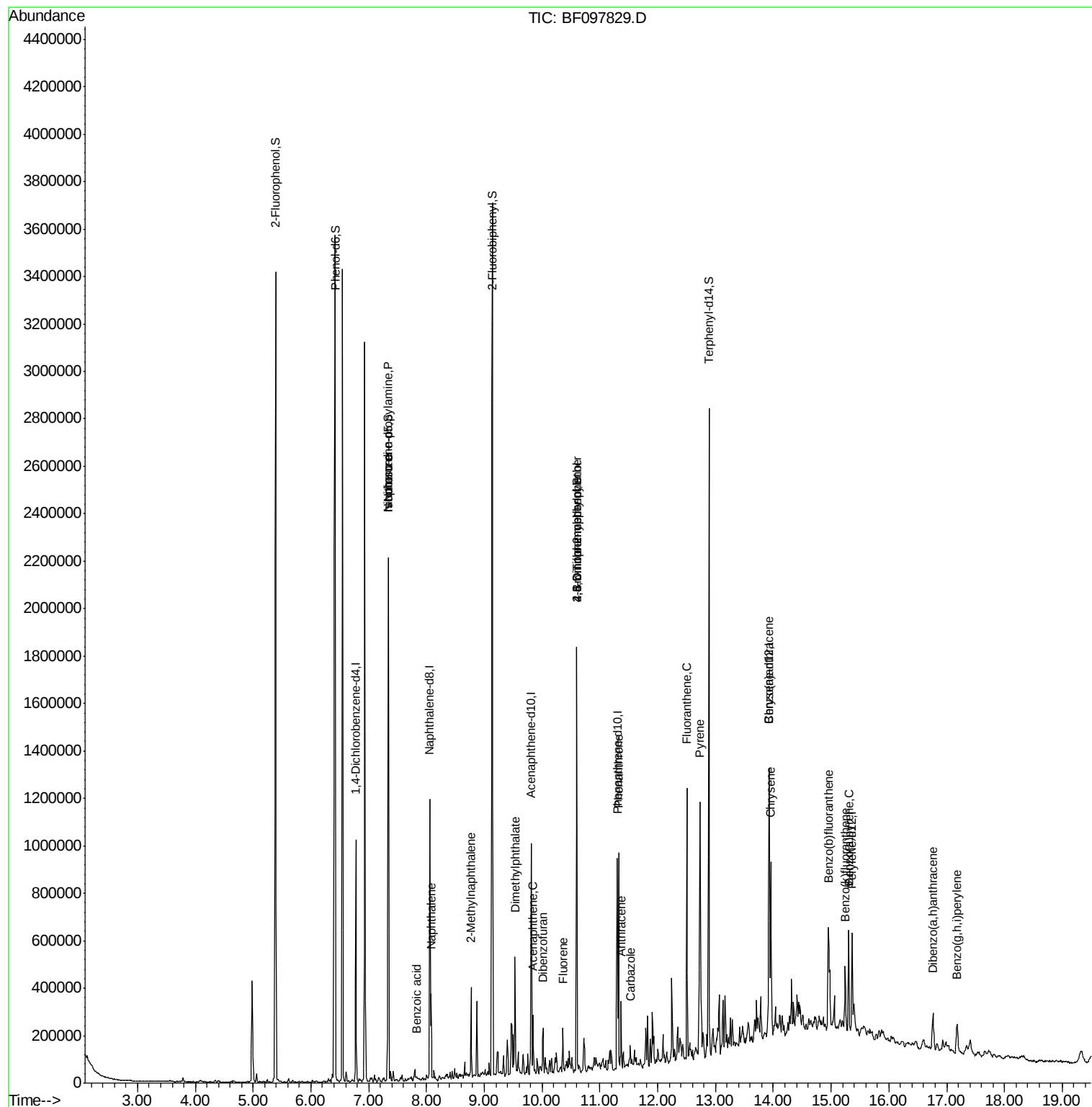
|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 19) n-Nitroso-di-n-propylamine | 7.34  | 70  | 122611 | 15.153 | ng | # 72   |
| 25) Isophorone                 | 7.34  | 82  | 889243 | 48.155 | ng | # 67   |
| 31) Naphthalene                | 8.08  | 128 | 124208 | 4.959  | ng | 99     |
| 32) Benzoic acid               | 7.84  | 122 | 1874   | 6.694  | ng | # 52   |
| 37) 2-Methylnaphthalene        | 8.77  | 142 | 97505  | 6.350  | ng | 97     |
| 49) Dimethylphthalate          | 9.53  | 163 | 154706 | 11.738 | ng | 99     |
| 51) Acenaphthene               | 9.85  | 154 | 47196  | 3.922  | ng | 98     |
| 54) Dibenzofuran               | 10.02 | 168 | 35358  | 2.193  | ng | # 93   |
| 57) Fluorene                   | 10.36 | 166 | 39144  | 3.140  | ng | 99     |
| 64) 4,6-Dinitro-2-methylphenol | 10.60 | 198 | 379    | 8.541  | ng | # 1    |
| 66) 4-Bromophenyl-phenylether  | 10.60 | 248 | 12562  | 4.004  | ng | # 1    |
| 70) Phenanthrene               | 11.32 | 178 | 289442 | 17.981 | ng | 100    |
| 71) Anthracene                 | 11.37 | 178 | 91055  | 5.577  | ng | 98     |
| 72) Carbazole                  | 11.52 | 167 | 31264  | 2.017  | ng | 99     |
| 74) Fluoranthene               | 12.51 | 202 | 438156 | 26.078 | ng | 98     |
| 77) Pyrene                     | 12.73 | 202 | 451867 | 21.478 | ng | 97     |
| 80) Benzo(a)anthracene         | 13.92 | 228 | 286333 | 18.573 | ng | 97     |
| 82) Chrysene                   | 13.96 | 228 | 238245 | 15.535 | ng | 96     |
| 87) Benzo(b)fluoranthene       | 14.96 | 252 | 334873 | 30.025 | ng | 99     |
| 88) Benzo(k)fluoranthene       | 15.24 | 252 | 117557 | 11.219 | ng | 99     |
| 89) Benzo(a)pyrene             | 15.30 | 252 | 194157 | 19.664 | ng | 97     |
| 90) Dibenzo(a,h)anthracene     | 16.77 | 278 | 24735  | 3.077  | ng | # 84   |
| 91) Benzo(g,h,i)perylene       | 17.18 | 276 | 94328  | 11.246 | ng | 95     |

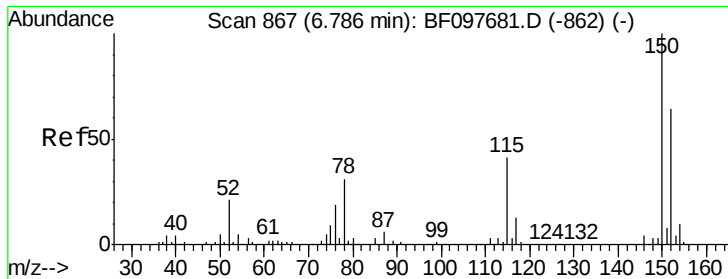
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
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ClientSampled :  
E2-H8-WSW

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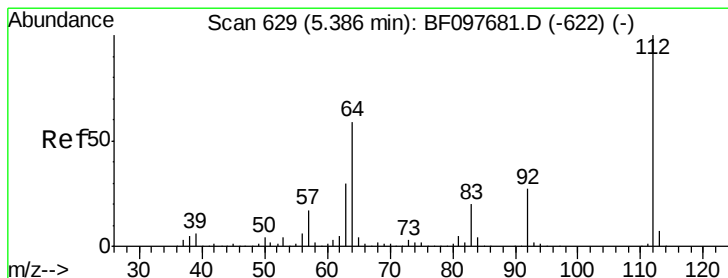
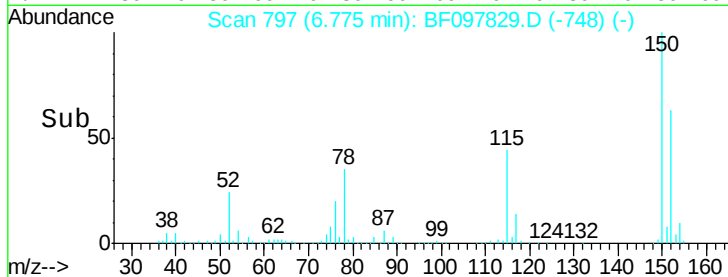
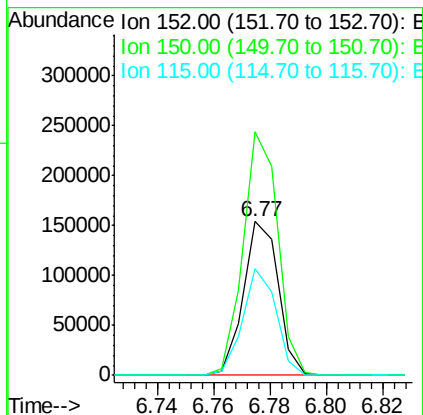
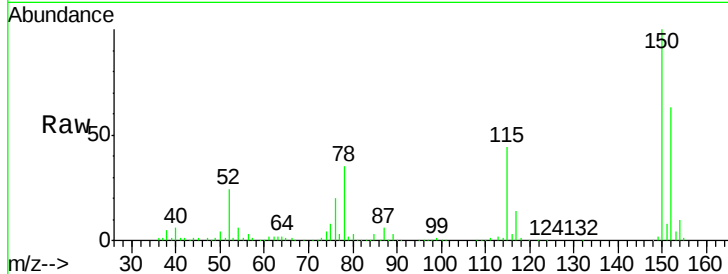


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.77 min Scan# 797  
Delta R.T. -0.01 min  
Lab File: BF097829.D  
Acq: 18 Aug 2017 12:07

Instrument :  
BNA\_F  
ClientSampleId :  
E2-H8-WSW

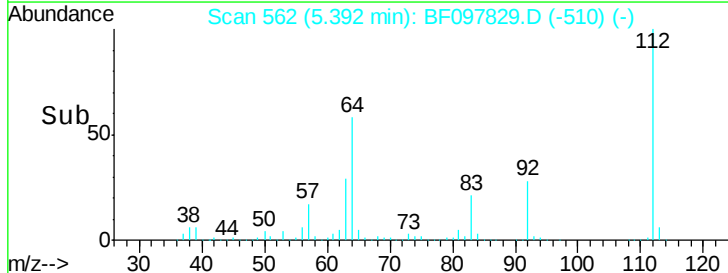
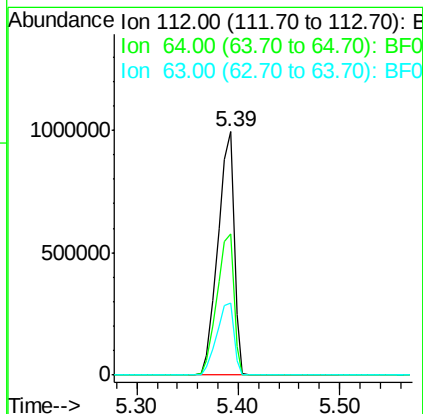
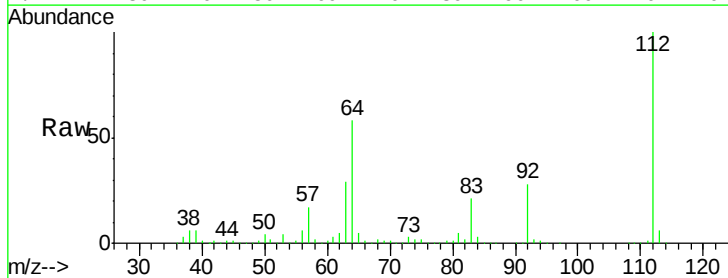
Tgt Ion:152 Resp: 132324  
Ion Ratio Lower Upper  
152 100  
150 158.6 126.2 189.2  
115 69.6 52.2 78.2

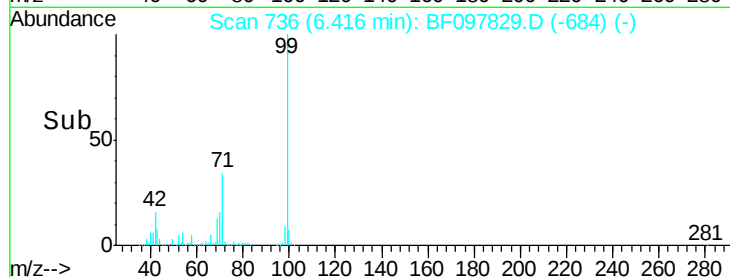
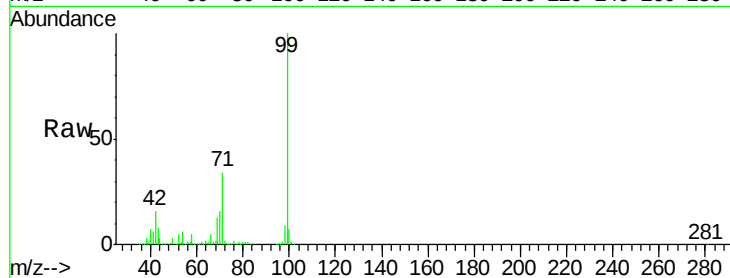
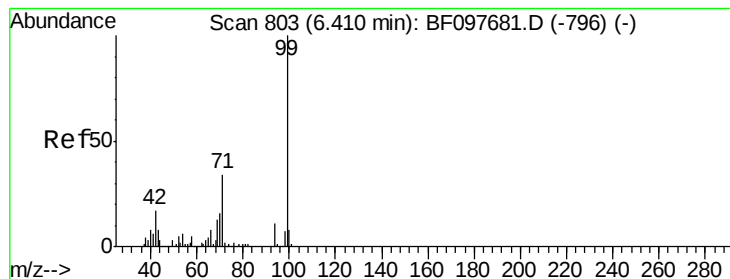


#5

2-Fluorophenol  
Concen: 127.477 ng  
RT: 5.39 min Scan# 562  
Delta R.T. 0.01 min  
Lab File: BF097829.D  
Acq: 18 Aug 2017 12:07

Tgt Ion:112 Resp: 1108972  
Ion Ratio Lower Upper  
112 100  
64 57.9 46.0 69.0  
63 29.5 23.4 35.0





#7

Phenol-d6

Concen: 125.037 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

Instrument :

BNA\_F

ClientSampleId :

E2-H8-WSW

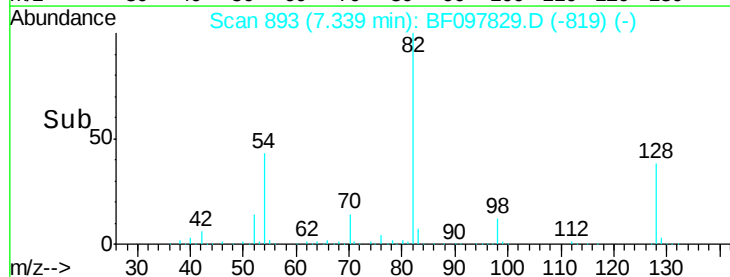
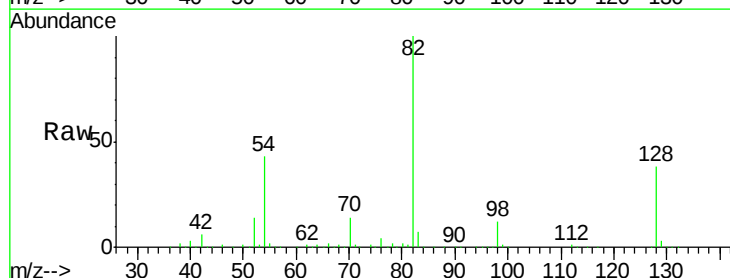
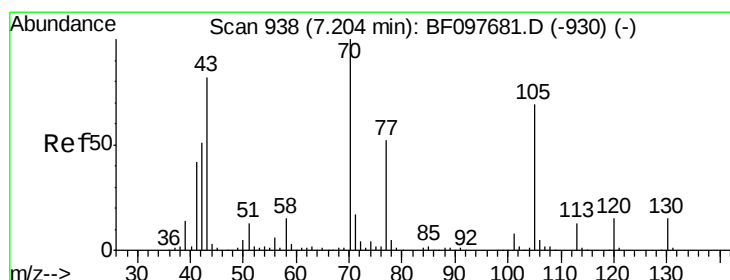
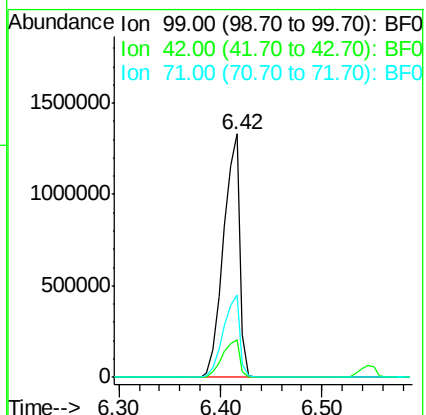
Tgt Ion: 99 Resp: 1477938

Ion Ratio Lower Upper

99 100

42 15.5 13.5 20.3

71 33.6 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 15.153 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.14 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

Tgt Ion: 70 Resp: 122611

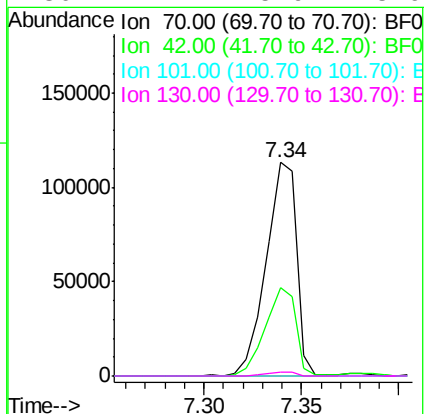
Ion Ratio Lower Upper

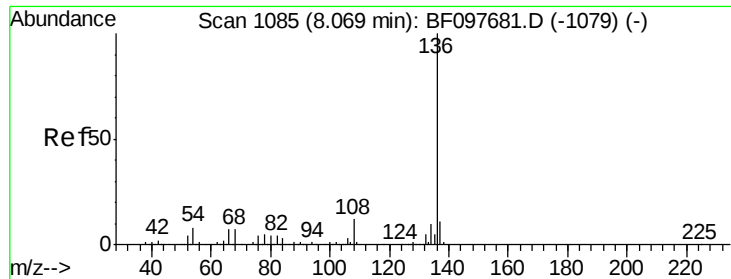
70 100

42 41.2 47.2 70.8#

101 0.0 7.2 10.8#

130 1.7 15.9 23.9#

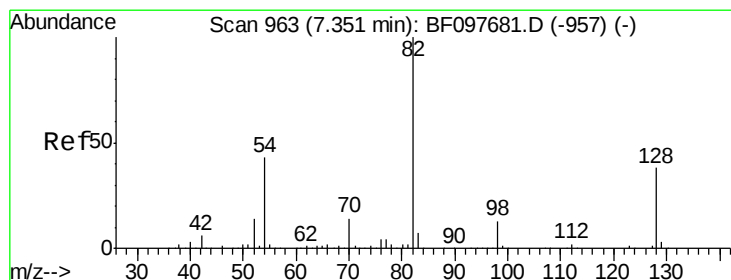
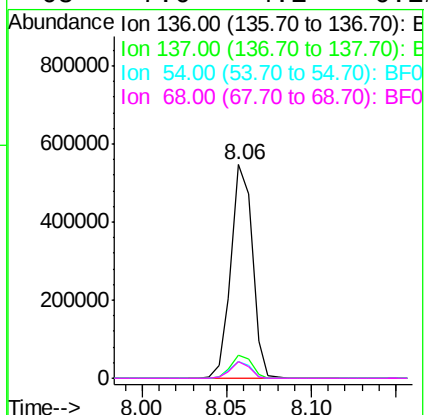
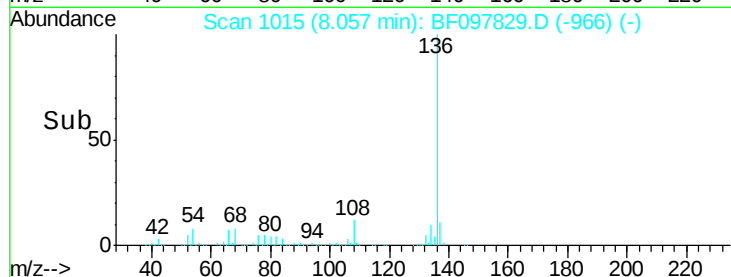
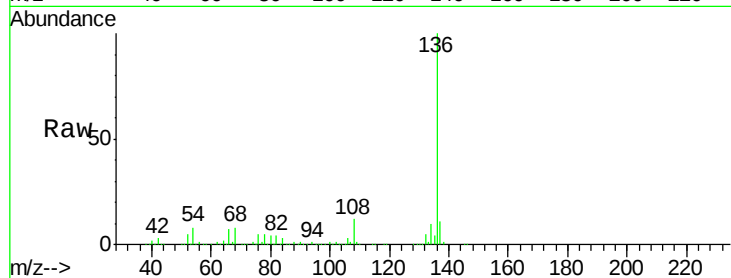




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.06 min Scan# 1015  
Delta R.T. -0.01 min  
Lab File: BF097829.D  
Acq: 18 Aug 2017 12:07

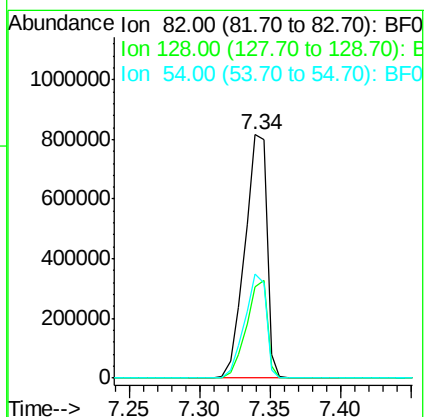
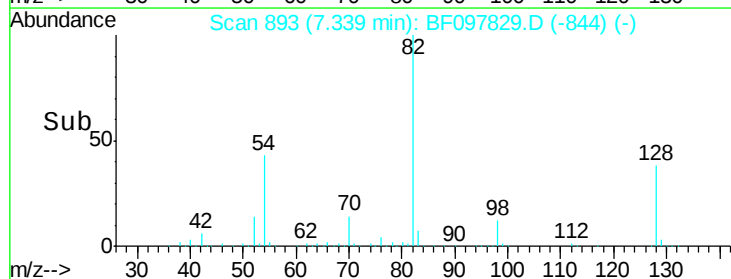
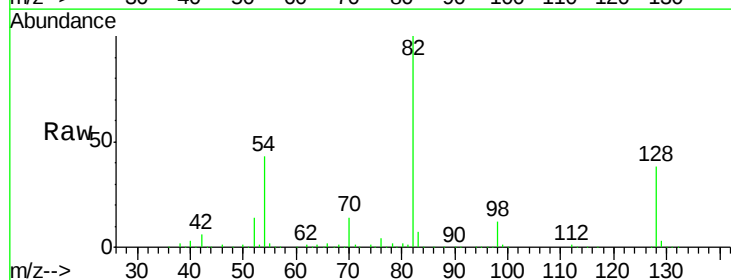
Instrument :  
BNA\_F  
ClientSampleId :  
E2-H8-WSW

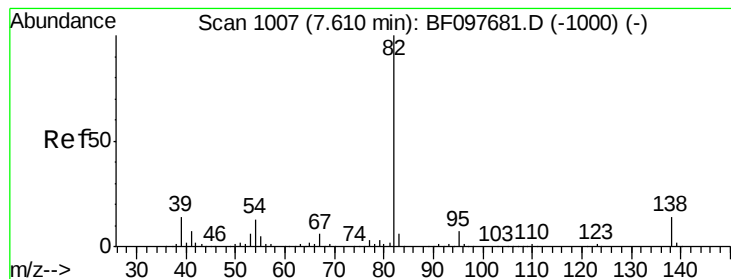
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 482442 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.5   | 12.7   |
| 54       | 7.9   | 4.9   | 7.3#   |
| 68       | 7.6   | 4.1   | 6.1#   |



#23  
Nitrobenzene-d5  
Concen: 100.401 ng  
RT: 7.34 min Scan# 893  
Delta R.T. -0.01 min  
Lab File: BF097829.D  
Acq: 18 Aug 2017 12:07

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 891631 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 37.8  | 34.0  | 51.0   |
| 54       | 42.8  | 42.2  | 63.2   |





#25

Isophorone

Concen: 48.155 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.27 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

Instrument :

BNA\_F

ClientSampleId :

E2-H8-WSW

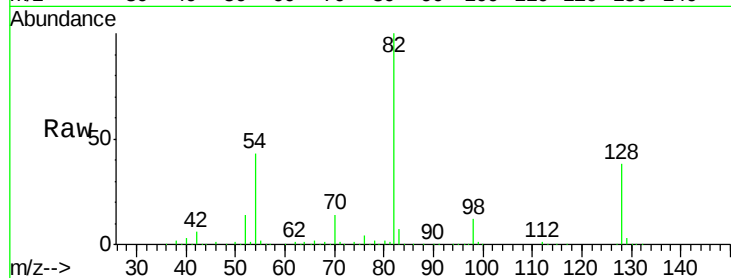
Tgt Ion: 82 Resp: 889243

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

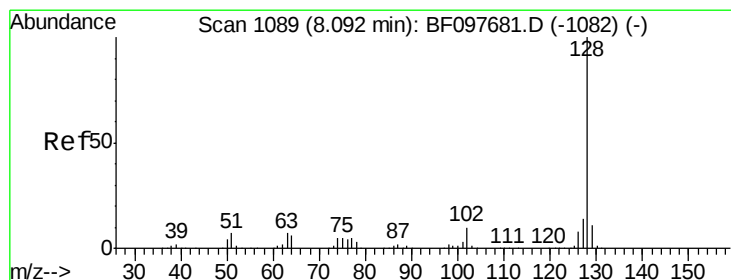
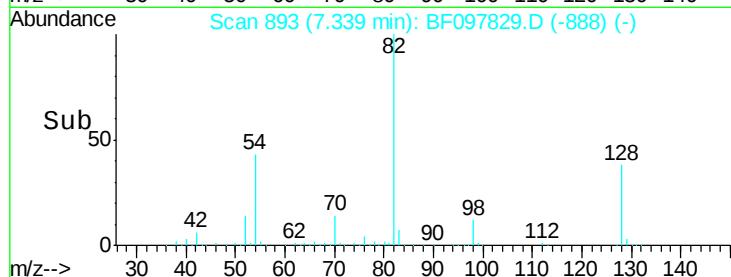
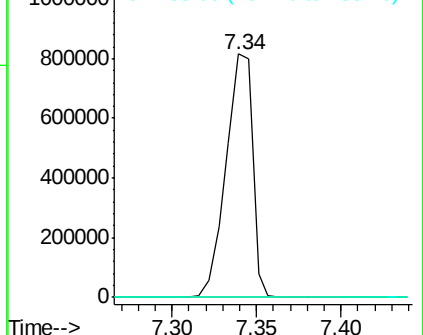
138 0.0 13.1 19.7#



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): E



#31

Naphthalene

Concen: 4.959 ng

RT: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

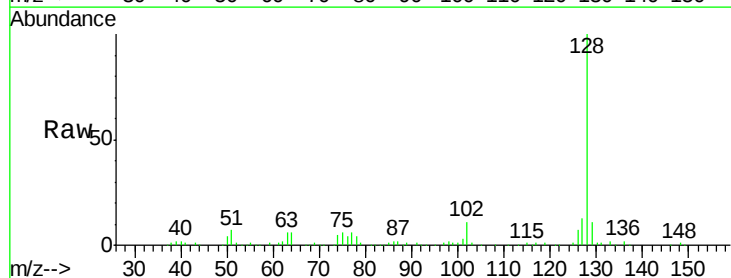
Tgt Ion: 128 Resp: 124208

Ion Ratio Lower Upper

128 100

129 10.8 9.0 13.6

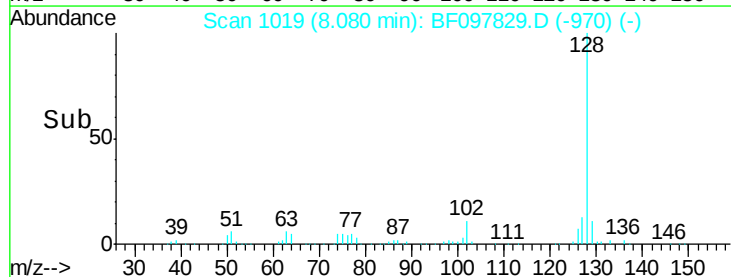
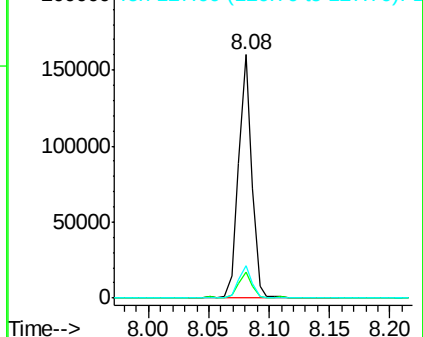
127 13.4 10.8 16.2

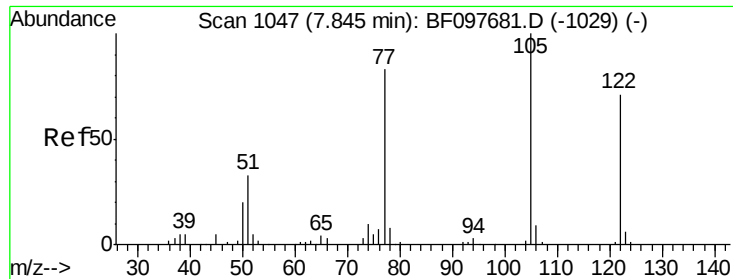


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

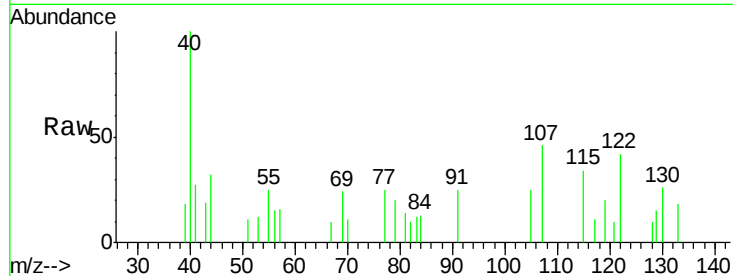




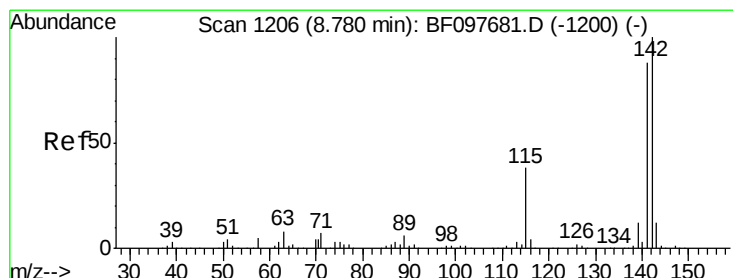
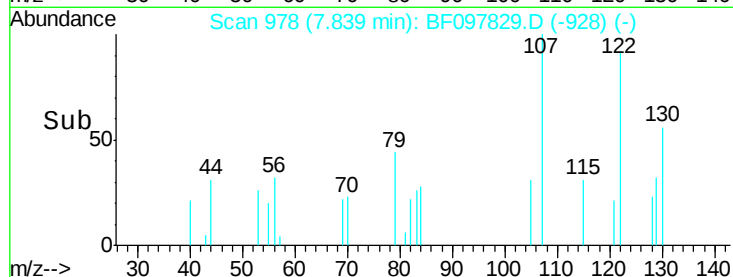
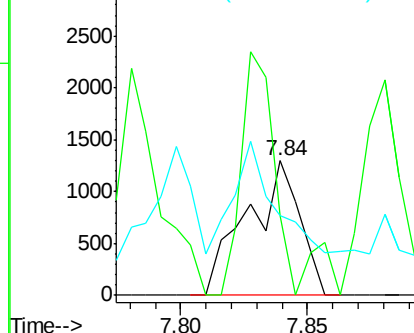
#32  
Benzoic acid  
Concen: 6.694 ng  
RT: 7.84 min Scan# 978  
Delta R.T. -0.01 min  
Lab File: BF097829.D  
Acq: 18 Aug 2017 12:07

Instrument :  
BNA\_F  
ClientSampleId :  
E2-H8-WSW

Tgt Ion:122 Resp: 1874  
Ion Ratio Lower Upper  
122 100  
105 59.0 103.3 143.3#  
77 59.3 73.7 113.7#

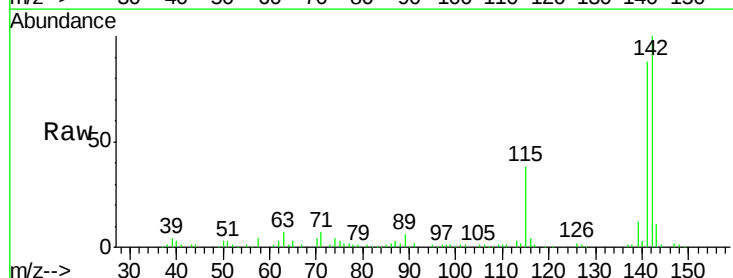


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF0

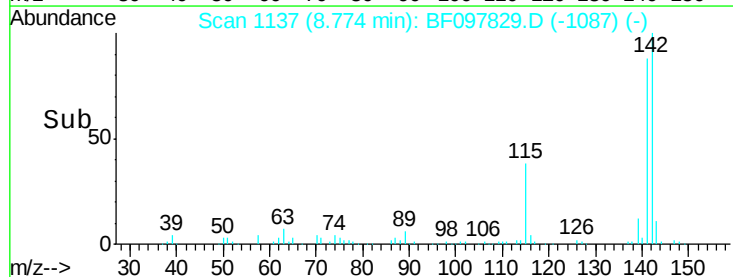
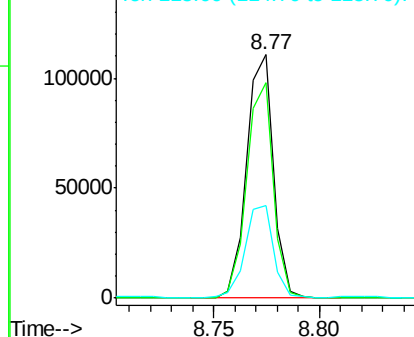


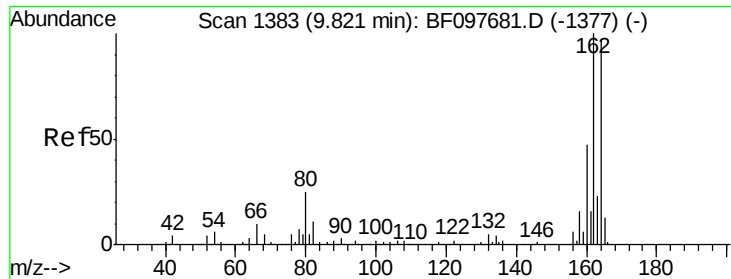
#37  
2-Methylnaphthalene  
Concen: 6.350 ng  
RT: 8.77 min Scan# 1137  
Delta R.T. -0.01 min  
Lab File: BF097829.D  
Acq: 18 Aug 2017 12:07

Tgt Ion:142 Resp: 97505  
Ion Ratio Lower Upper  
142 100  
141 88.4 71.3 106.9  
115 38.1 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

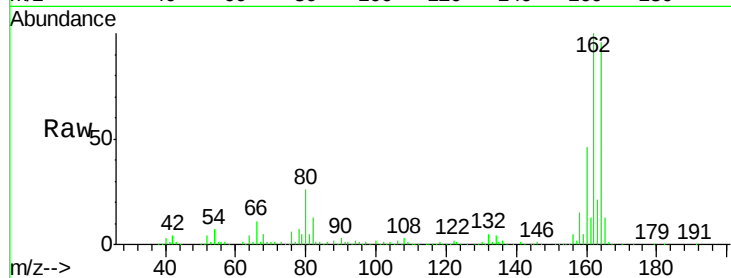




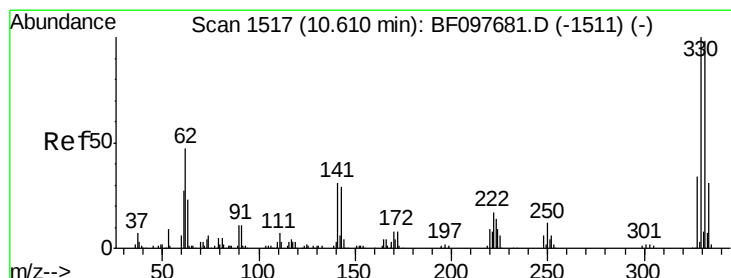
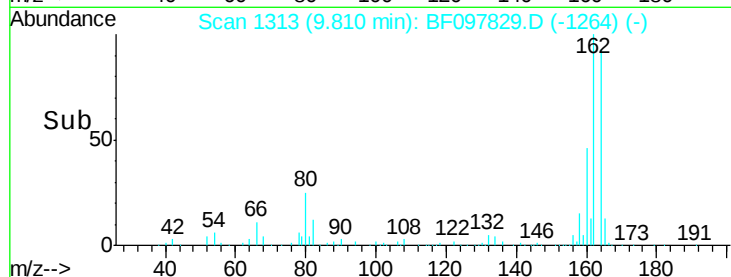
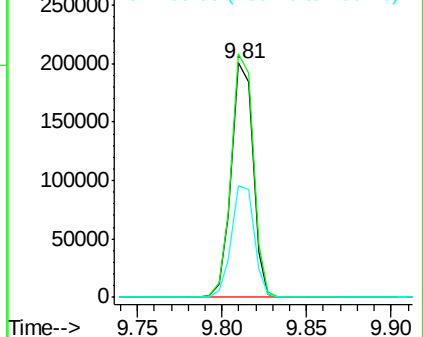
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.81 min Scan# 1313  
Delta R.T. -0.01 min  
Lab File: BF097829.D  
Acq: 18 Aug 2017 12:07

Instrument :  
BNA\_F  
ClientSampleId :  
E2-H8-WSW

Tgt Ion:164 Resp: 180314  
Ion Ratio Lower Upper  
164 100  
162 103.9 82.6 123.8  
160 47.8 36.2 54.2

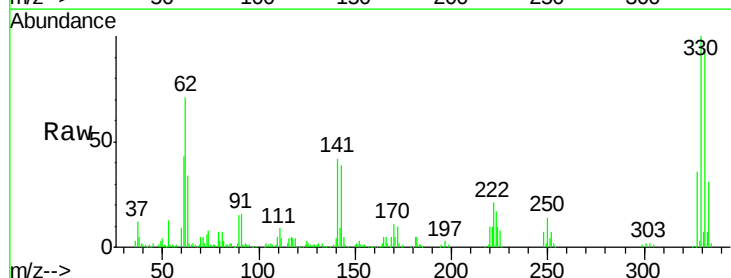


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

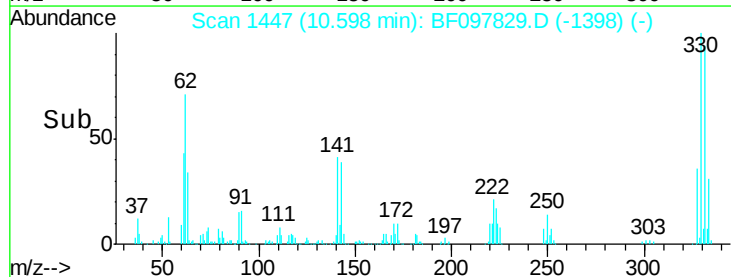
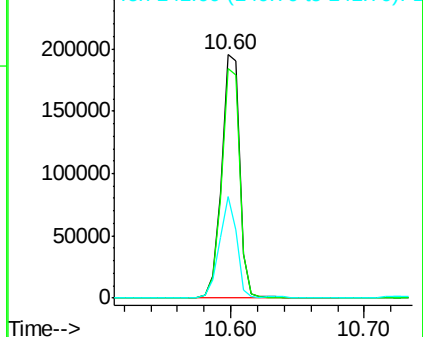


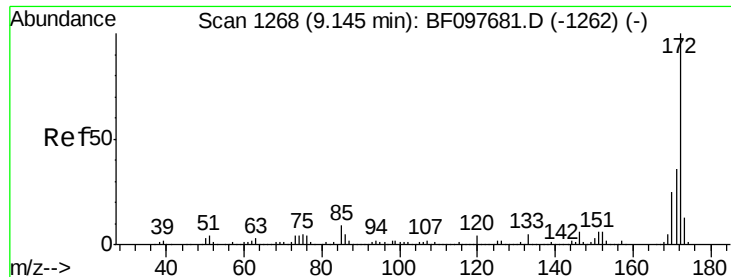
#41  
2,4,6-Tribromophenol  
Concen: 120.370 ng  
RT: 10.60 min Scan# 1447  
Delta R.T. -0.01 min  
Lab File: BF097829.D  
Acq: 18 Aug 2017 12:07

Tgt Ion:330 Resp: 188321  
Ion Ratio Lower Upper  
330 100  
332 94.9 76.6 115.0  
141 39.1 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

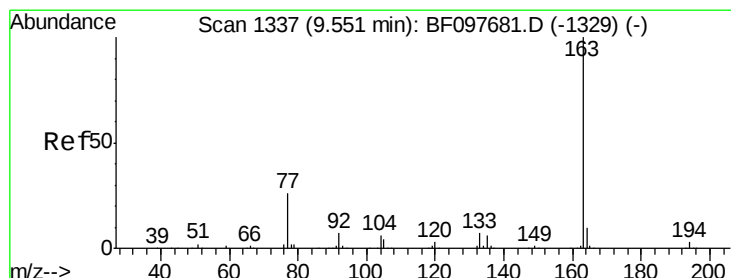
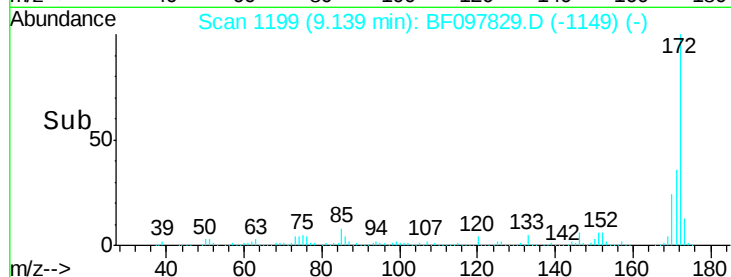
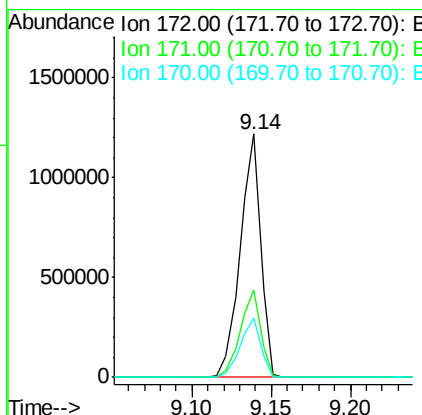
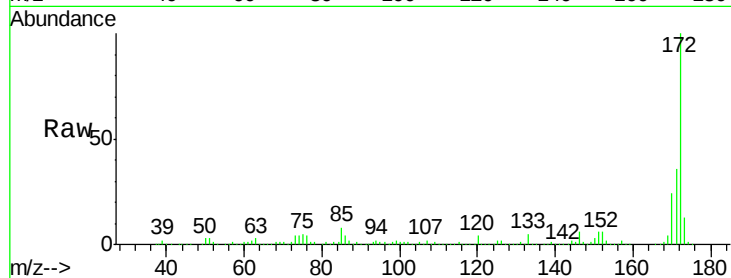




#44  
 2-Fluorobiphenyl  
 Concen: 88.917 ng  
 RT: 9.14 min Scan# 1199  
 Delta R.T. -0.01 min  
 Lab File: BF097829.D  
 Acq: 18 Aug 2017 12:07

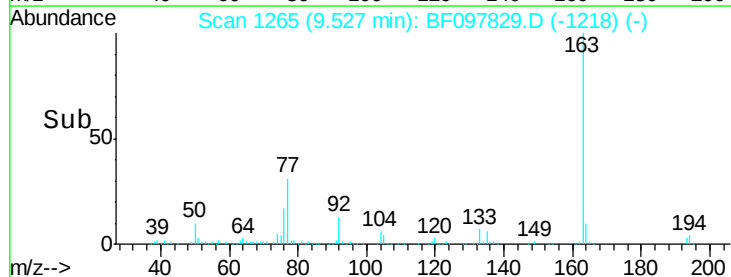
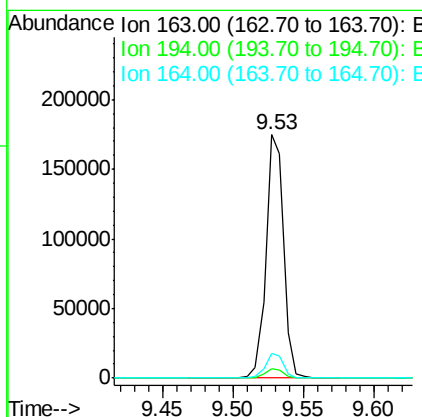
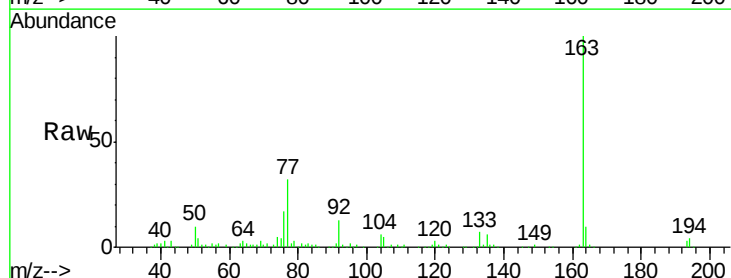
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-H8-WSW

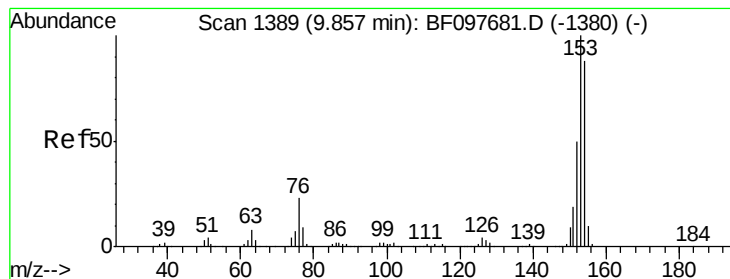
Tgt Ion:172 Resp: 1091270  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 29.6 44.4  
 170 24.5 19.8 29.8



#49  
 Dimethylphthalate  
 Concen: 11.738 ng  
 RT: 9.53 min Scan# 1265  
 Delta R.T. -0.02 min  
 Lab File: BF097829.D  
 Acq: 18 Aug 2017 12:07

Tgt Ion:163 Resp: 154706  
 Ion Ratio Lower Upper  
 163 100  
 194 3.6 2.6 4.0  
 164 10.2 8.4 12.6





#51

Acenaphthene

Concen: 3.922 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

Instrument :

BNA\_F

ClientSampleId :

E2-H8-WSW

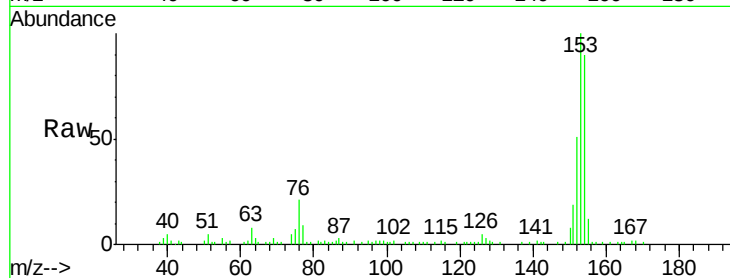
Tgt Ion:154 Resp: 47196

Ion Ratio Lower Upper

154 100

153 111.5 90.5 135.7

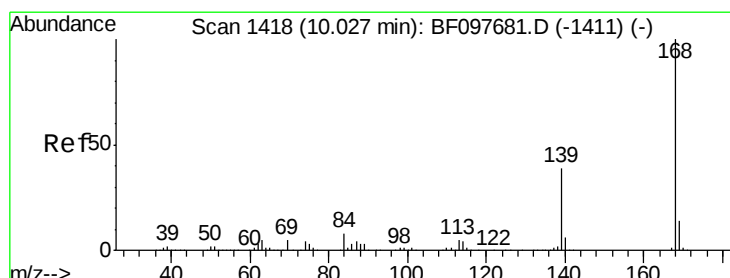
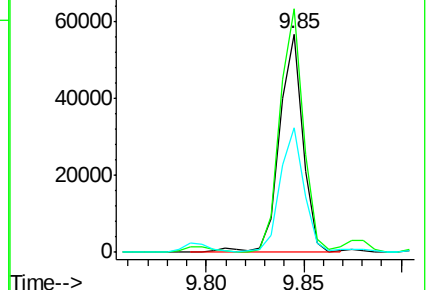
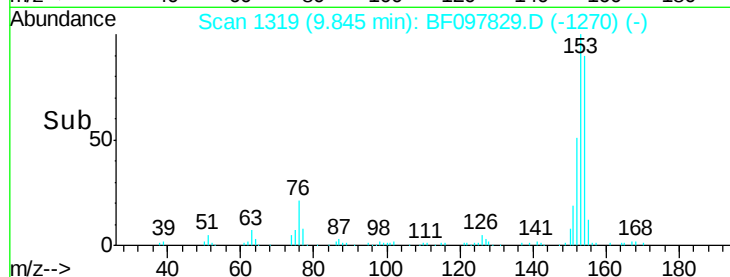
152 57.3 43.6 65.4



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

Dibenzofuran

Concen: 2.193 ng

RT: 10.02 min Scan# 1348

Delta R.T. -0.01 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

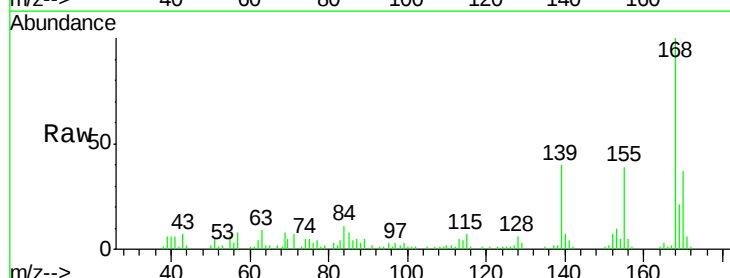
Tgt Ion:168 Resp: 35358

Ion Ratio Lower Upper

168 100

139 40.4 30.6 45.8

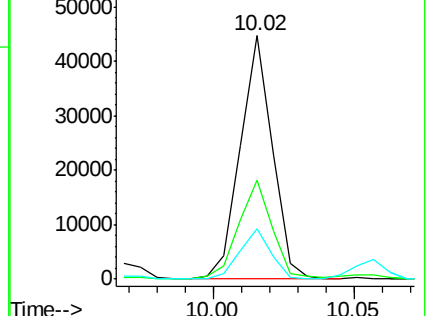
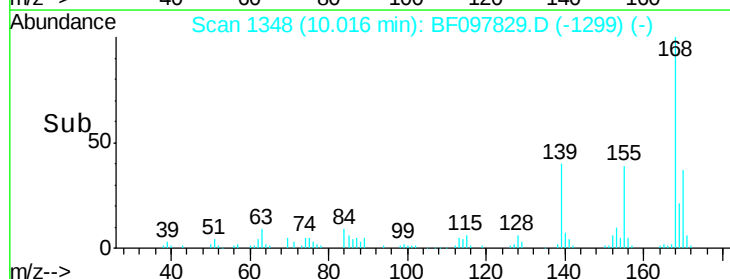
169 20.7 10.8 16.2#

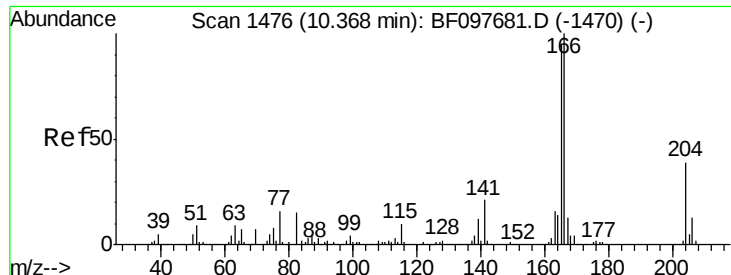


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

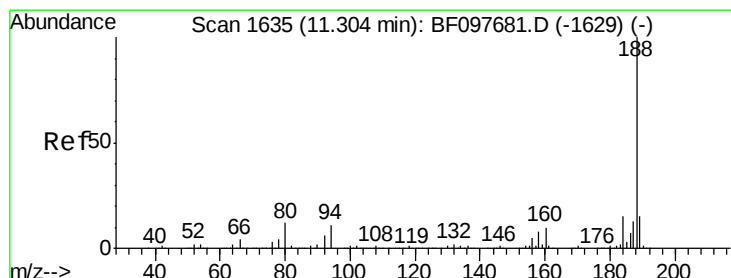
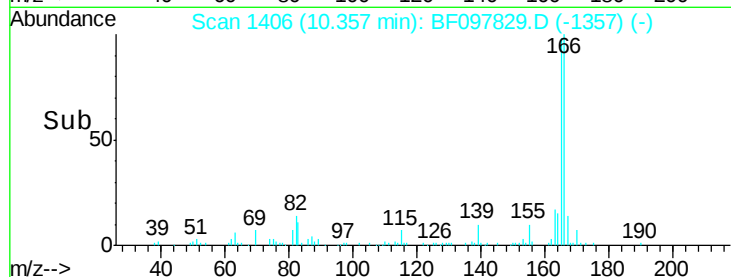
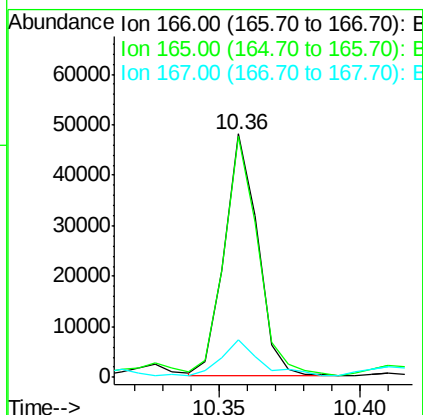
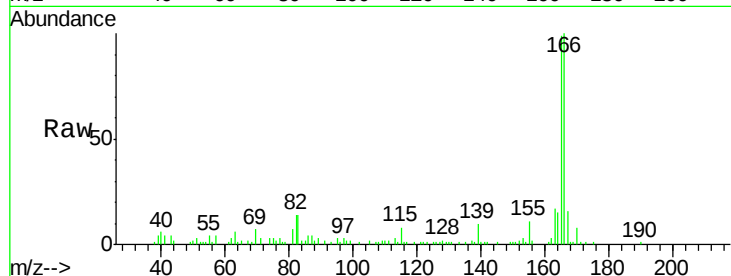




#57  
 Fluorene  
 Concen: 3.140 ng  
 RT: 10.36 min Scan# 1406  
 Delta R.T. -0.01 min  
 Lab File: BF097829.D  
 Acq: 18 Aug 2017 12:07

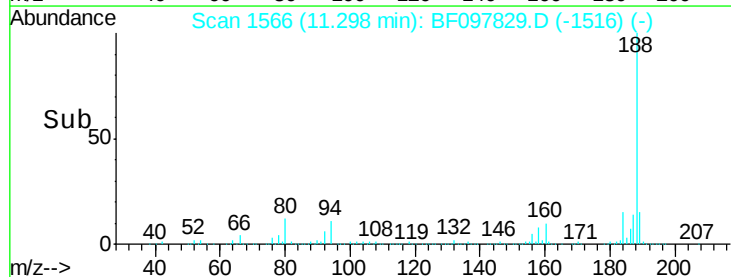
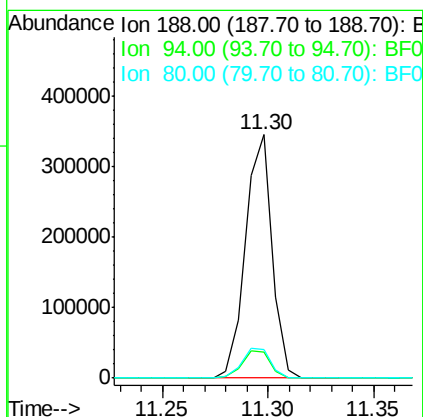
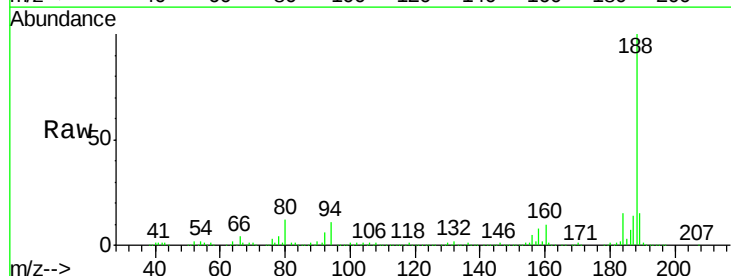
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-H8-WSW

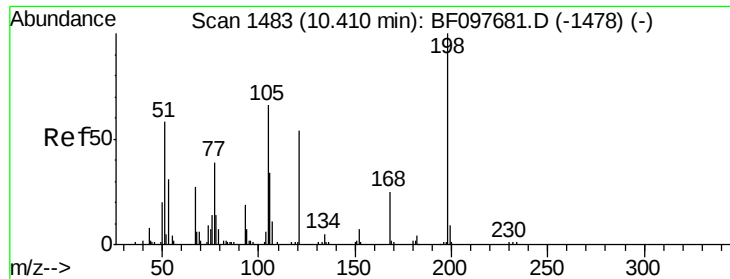
Tgt Ion:166 Resp: 39144  
 Ion Ratio Lower Upper  
 166 100  
 165 99.1 78.8 118.2  
 167 15.5 10.6 16.0



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.30 min Scan# 1566  
 Delta R.T. -0.01 min  
 Lab File: BF097829.D  
 Acq: 18 Aug 2017 12:07

Tgt Ion:188 Resp: 302089  
 Ion Ratio Lower Upper  
 188 100  
 94 10.7 9.4 14.2  
 80 11.9 10.2 15.2

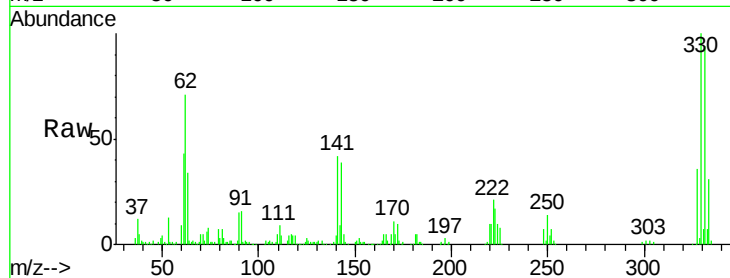




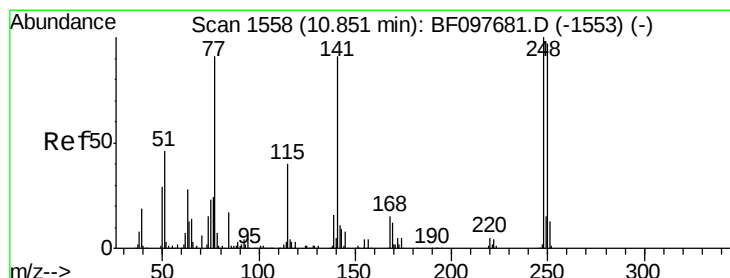
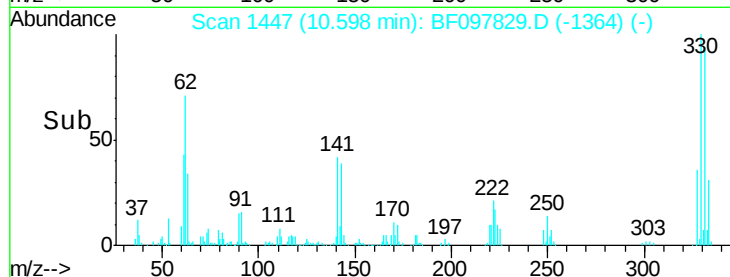
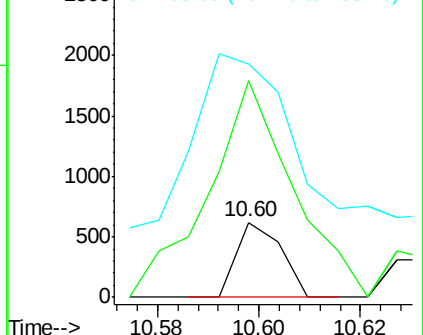
#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.541 ng  
 RT: 10.60 min Scan# 1447  
 Delta R.T. 0.19 min  
 Lab File: BF097829.D  
 Acq: 18 Aug 2017 12:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-H8-WSW

Tgt Ion:198 Resp: 379  
 Ion Ratio Lower Upper  
 198 100  
 51 289.3 53.2 93.2#  
 105 311.8 45.8 85.8#

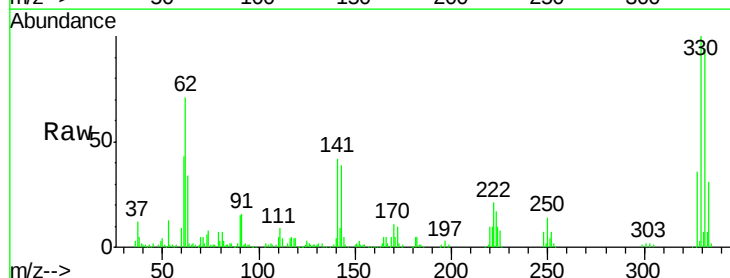


Abundance Ion 198.00 (197.70 to 198.70): E  
 Ion 51.00 (50.70 to 51.70): BF0  
 Ion 105.00 (104.70 to 105.70): E

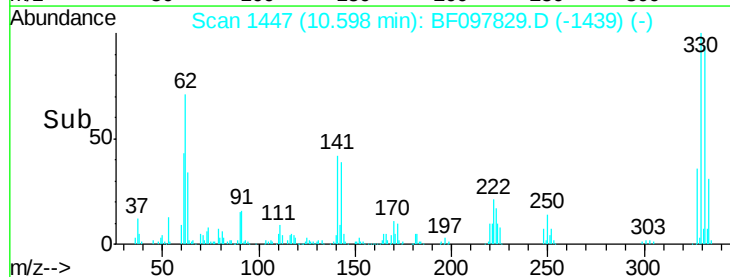
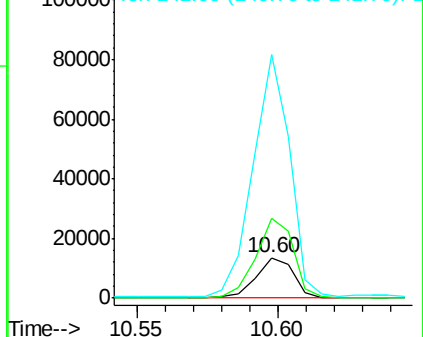


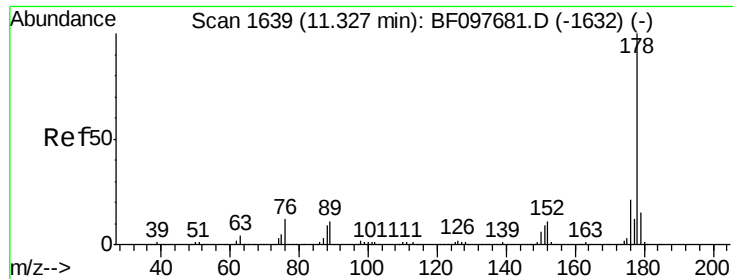
#66  
 4-Bromophenyl-phenylether  
 Concen: 4.004 ng  
 RT: 10.60 min Scan# 1447  
 Delta R.T. -0.25 min  
 Lab File: BF097829.D  
 Acq: 18 Aug 2017 12:07

Tgt Ion:248 Resp: 12562  
 Ion Ratio Lower Upper  
 248 100  
 250 195.4 76.8 115.2#  
 141 600.2 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

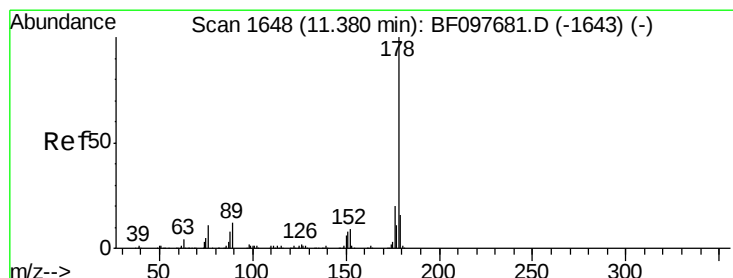
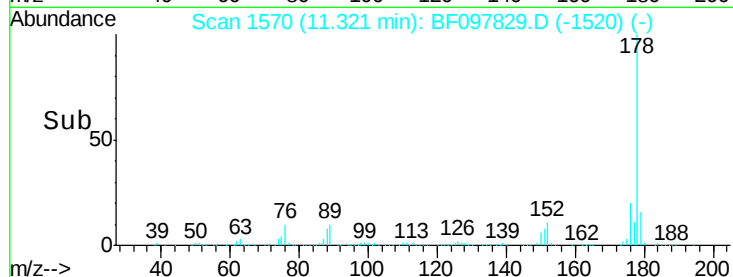
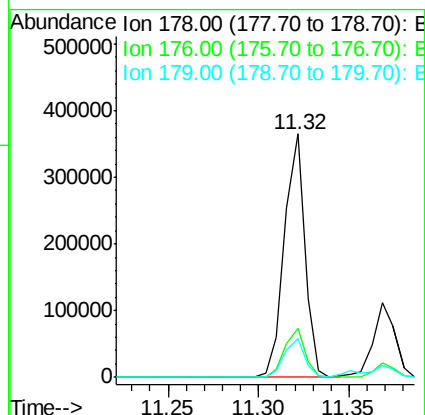
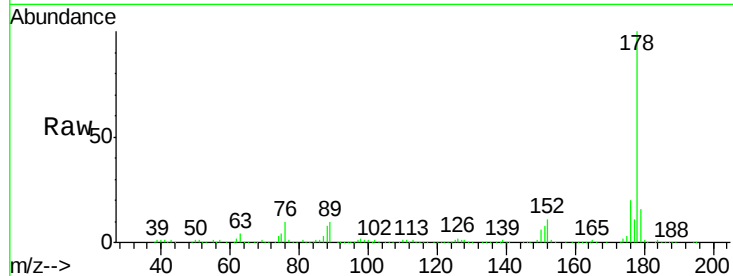




#70  
 Phenanthrene  
 Concen: 17.981 ng  
 RT: 11.32 min Scan# 1570  
 Delta R.T. -0.01 min  
 Lab File: BF097829.D  
 Acq: 18 Aug 2017 12:07

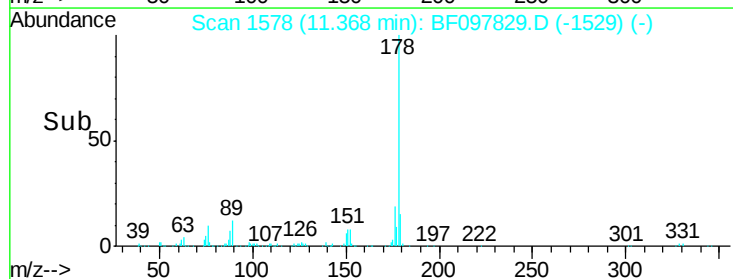
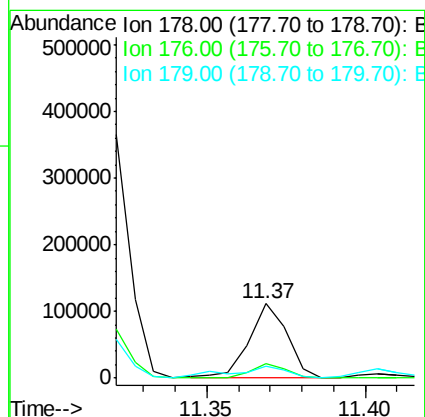
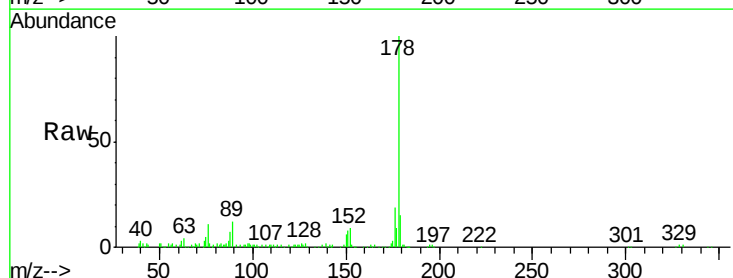
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-H8-WSW

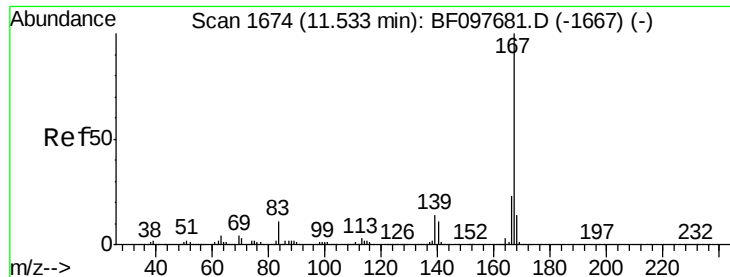
Tgt Ion:178 Resp: 289442  
 Ion Ratio Lower Upper  
 178 100  
 176 20.4 16.2 24.4  
 179 16.1 12.6 19.0



#71  
 Anthracene  
 Concen: 5.577 ng  
 RT: 11.37 min Scan# 1578  
 Delta R.T. -0.01 min  
 Lab File: BF097829.D  
 Acq: 18 Aug 2017 12:07

Tgt Ion:178 Resp: 91055  
 Ion Ratio Lower Upper  
 178 100  
 176 18.9 15.8 23.8  
 179 15.5 12.7 19.1





#72

Carbazole

Concen: 2.017 ng

RT: 11.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

Instrument :

BNA\_F

ClientSampleId :

E2-H8-WSW

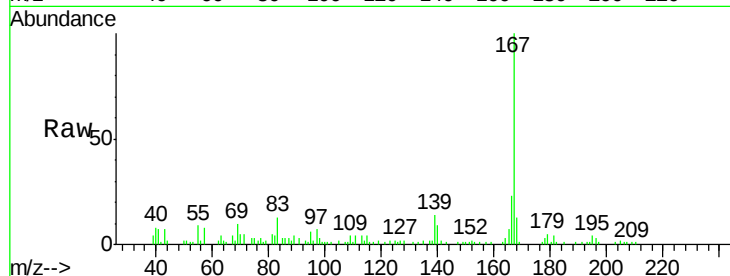
Tgt Ion:167 Resp: 31264

Ion Ratio Lower Upper

167 100

166 22.6 18.1 27.1

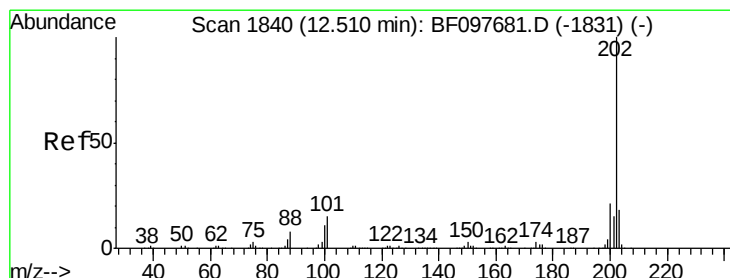
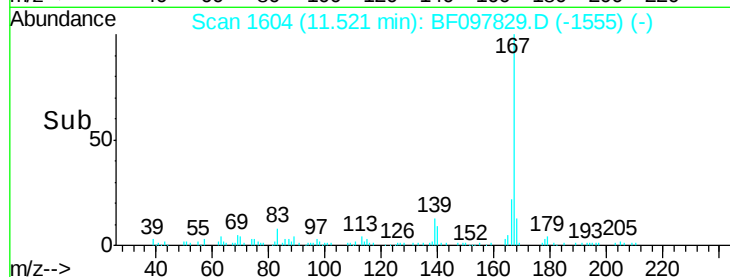
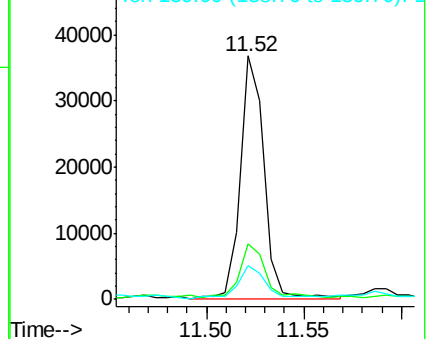
139 13.6 11.7 17.5



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: 26.078 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.00 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

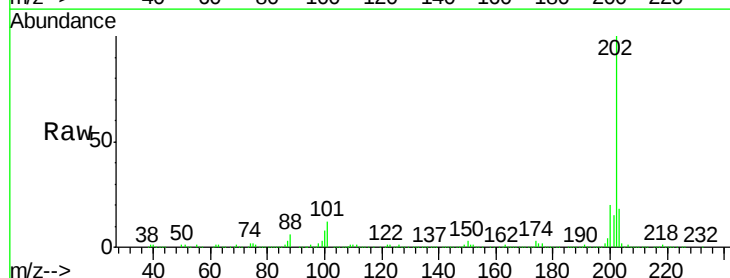
Tgt Ion:202 Resp: 438156

Ion Ratio Lower Upper

202 100

101 11.9 0.0 33.2

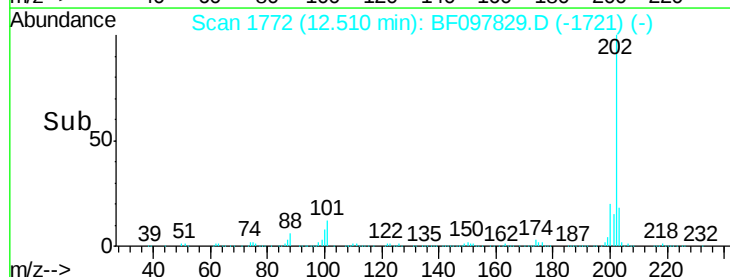
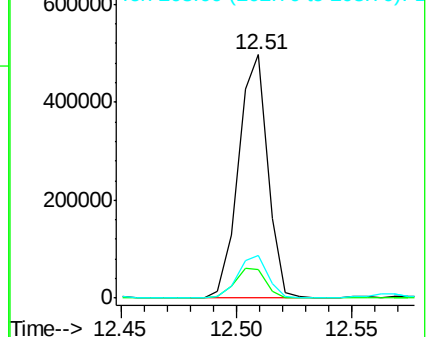
203 17.6 0.0 38.1

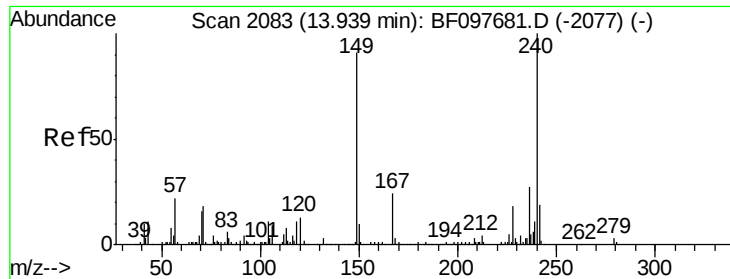


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.93 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

Instrument :

BNA\_F

ClientSampleId :

E2-H8-WSW

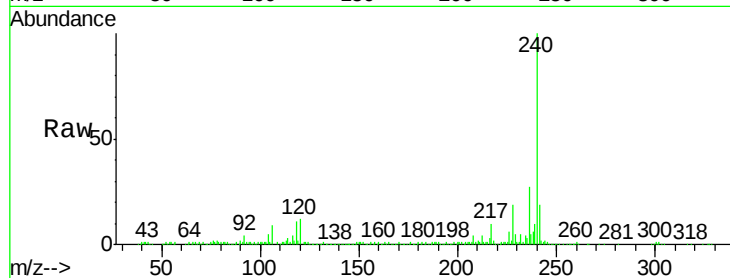
Tgt Ion:240 Resp: 257232

Ion Ratio Lower Upper

240 100

120 12.5 5.8 8.8#

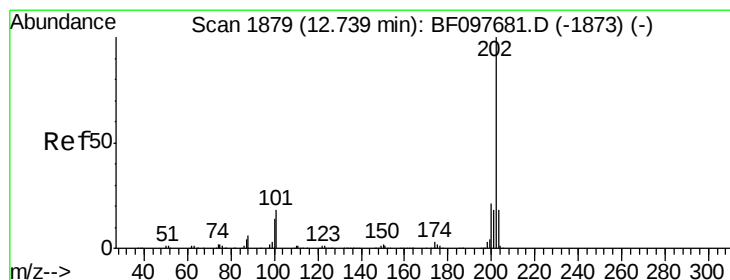
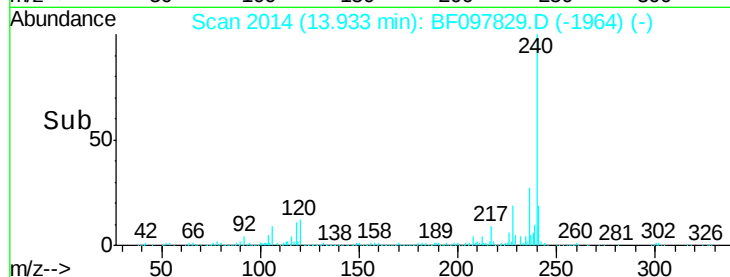
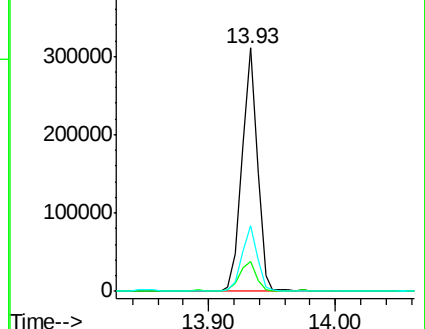
236 26.9 20.5 30.7



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: 21.478 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

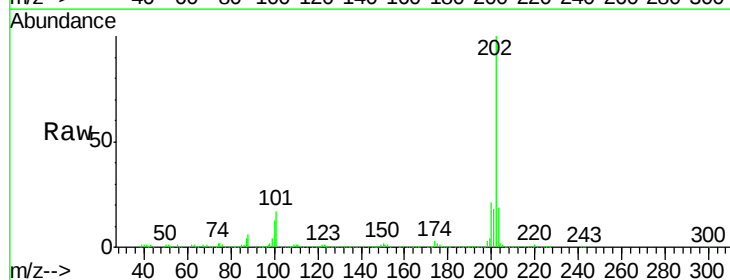
Tgt Ion:202 Resp: 451867

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

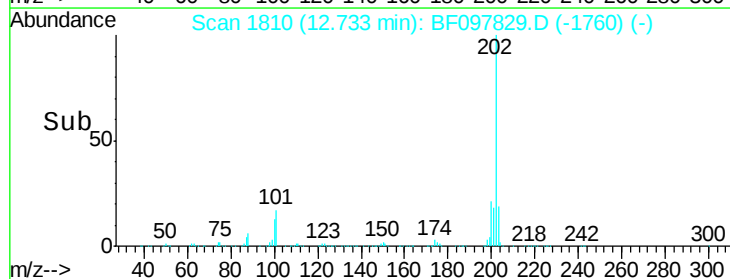
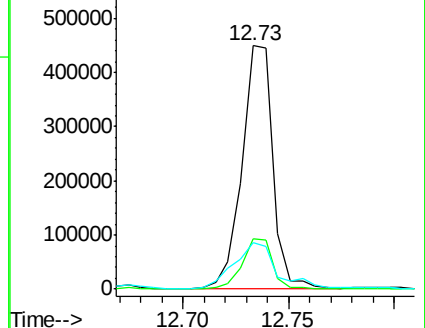
203 19.2 14.4 21.6

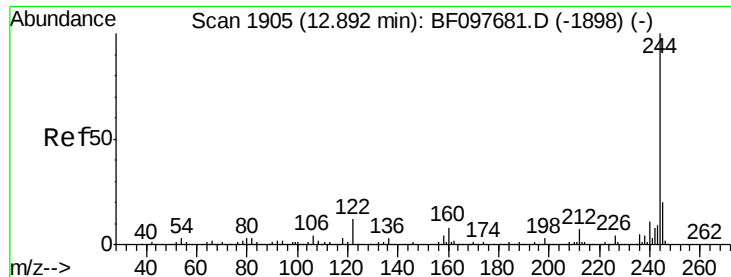


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

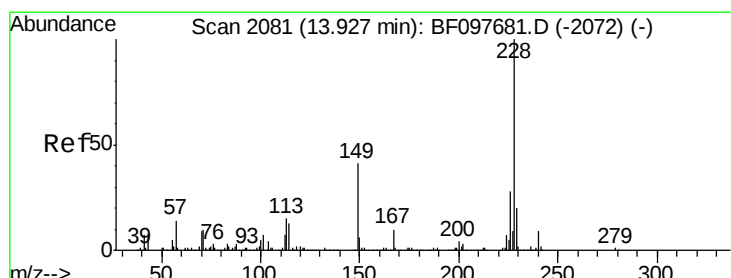
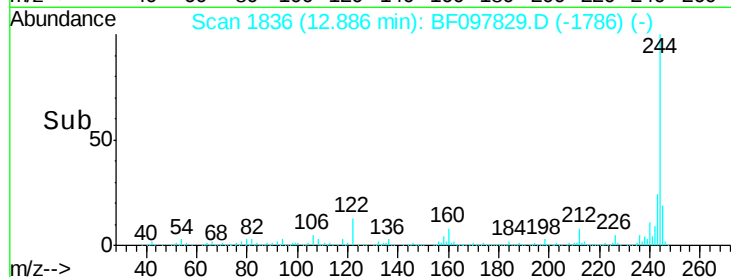
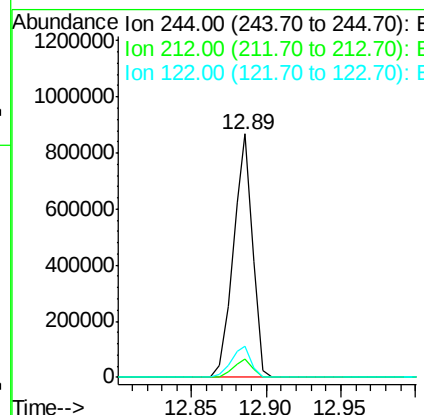
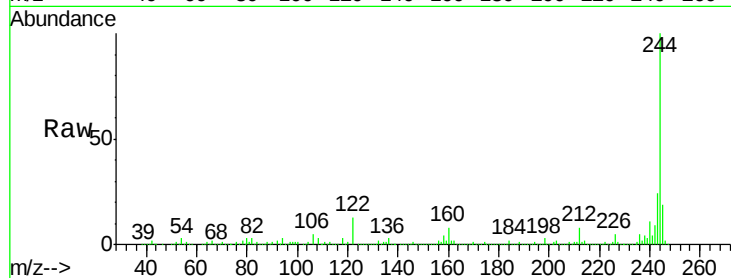




#78  
 Terphenyl-d14  
 Concen: 63.896 ng  
 RT: 12.89 min Scan# 1836  
 Delta R.T. -0.01 min  
 Lab File: BF097829.D  
 Acq: 18 Aug 2017 12:07

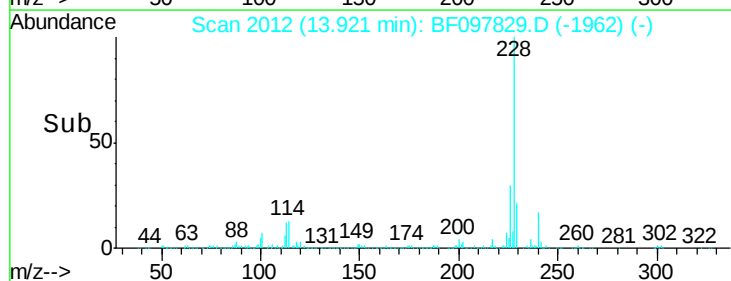
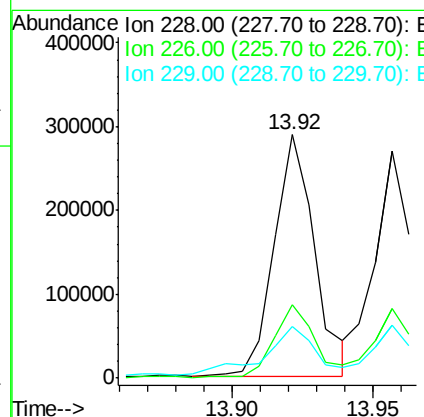
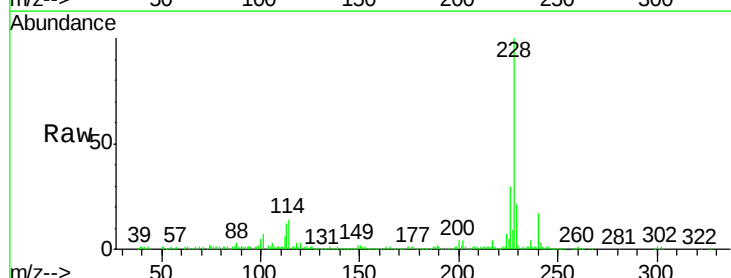
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-H8-WSW

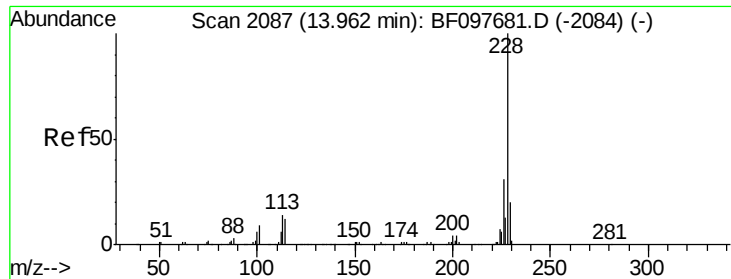
Tgt Ion:244 Resp: 788171  
 Ion Ratio Lower Upper  
 244 100  
 212 7.7 6.0 9.0  
 122 12.7 10.3 15.5



#80  
 Benzo(a)anthracene  
 Concen: 18.573 ng  
 RT: 13.92 min Scan# 2012  
 Delta R.T. -0.01 min  
 Lab File: BF097829.D  
 Acq: 18 Aug 2017 12:07

Tgt Ion:228 Resp: 286333  
 Ion Ratio Lower Upper  
 228 100  
 226 30.2 22.6 33.8  
 229 21.4 16.3 24.5





#82

Chrysene

Concen: 15.535 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

Instrument :

BNA\_F

ClientSampleId :

E2-H8-WSW

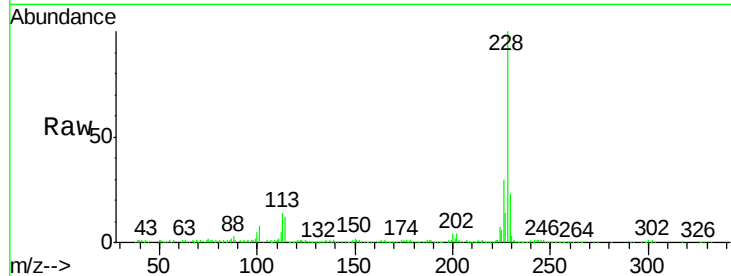
Tgt Ion:228 Resp: 238245

Ion Ratio Lower Upper

228 100

226 30.4 24.9 37.3

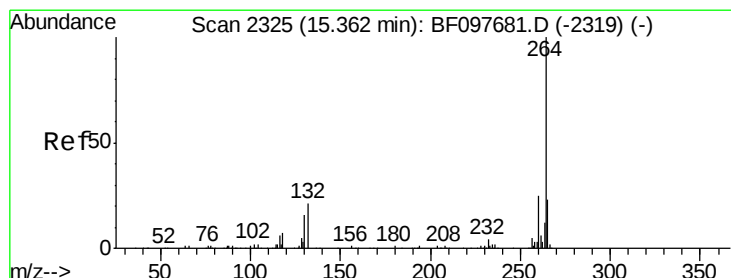
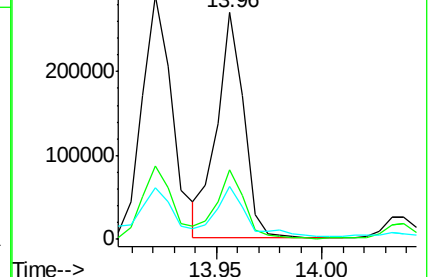
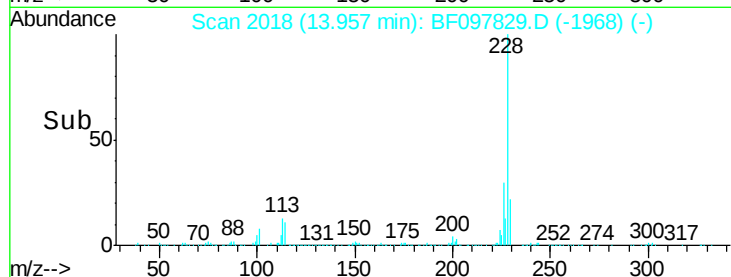
229 23.1 15.8 23.6



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

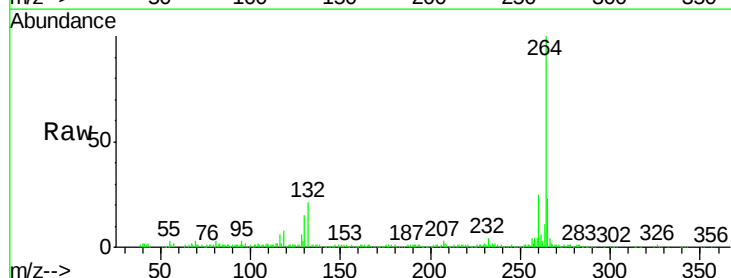
Tgt Ion:264 Resp: 176943

Ion Ratio Lower Upper

264 100

260 24.7 19.5 29.3

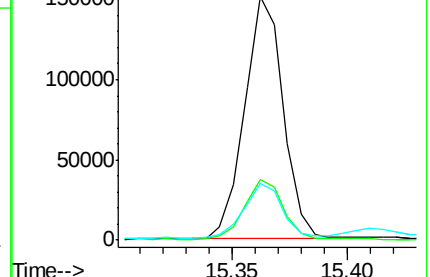
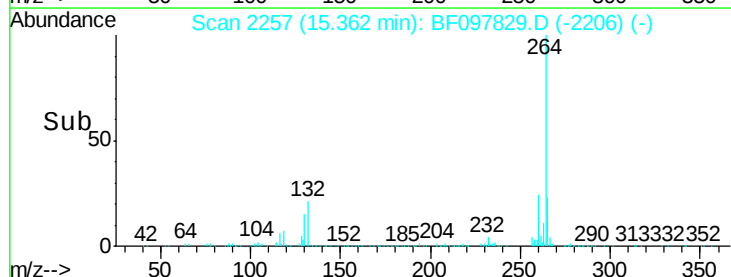
265 23.1 17.2 25.8

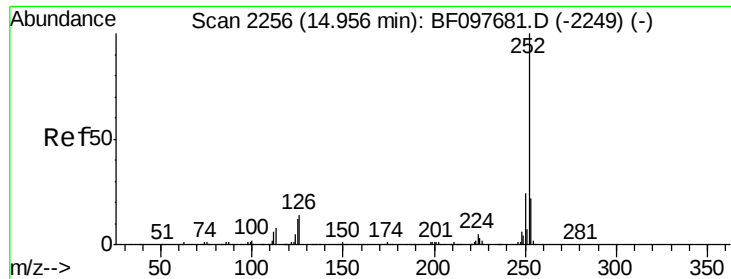


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

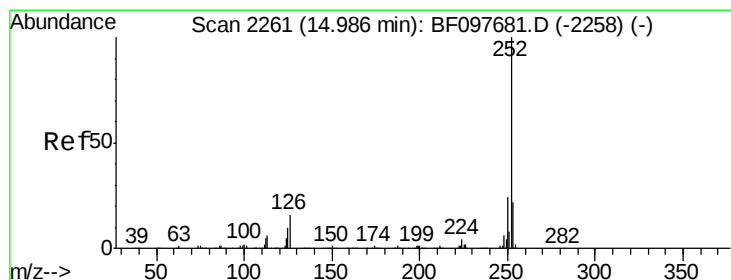
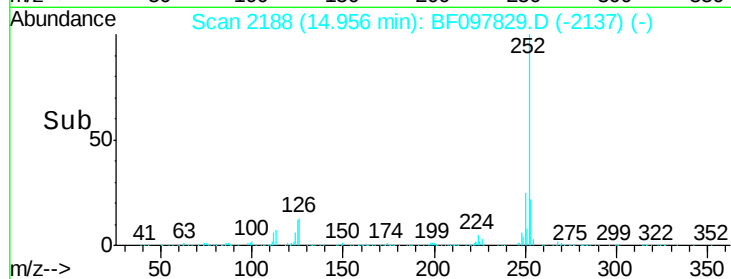
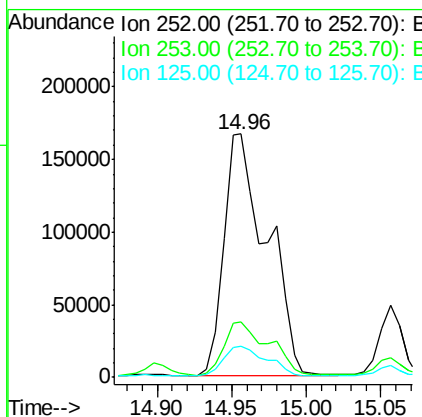
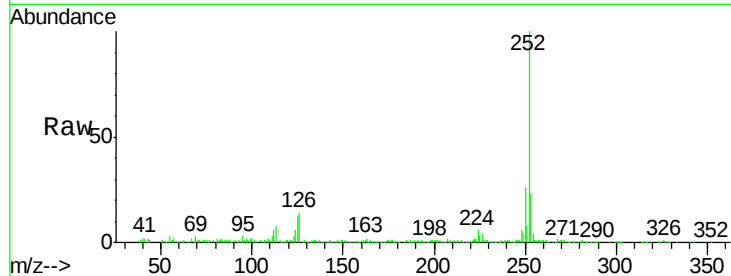




#87  
Benzo(b)fluoranthene  
Concen: 30.025 ng  
RT: 14.96 min Scan# 2188  
Delta R.T. 0.00 min  
Lab File: BF097829.D  
Acq: 18 Aug 2017 12:07

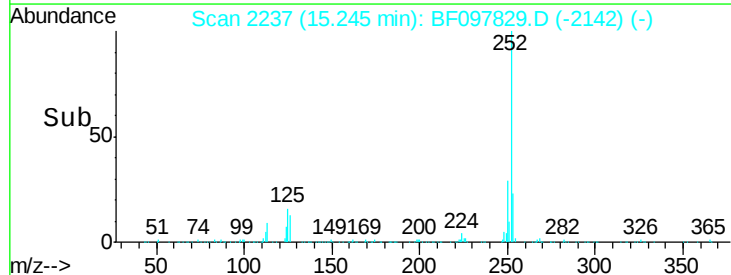
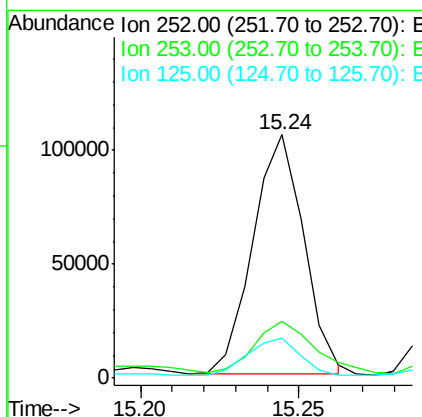
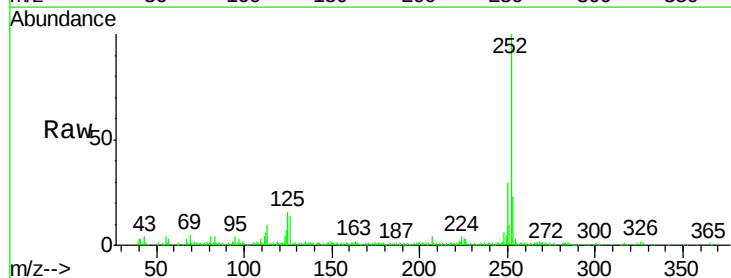
Instrument :  
BNA\_F  
ClientSampleId :  
E2-H8-WSW

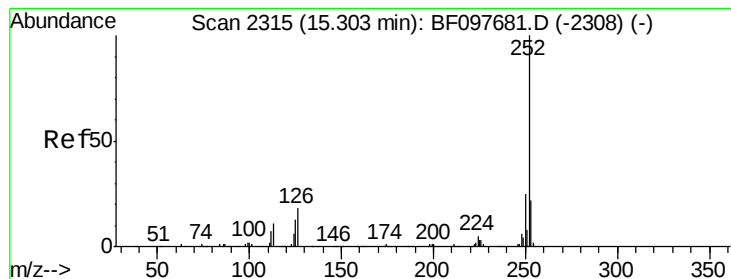
Tgt Ion:252 Resp: 334873  
Ion Ratio Lower Upper  
252 100  
253 23.0 18.1 27.1  
125 12.9 9.8 14.8



#88  
Benzo(k)fluoranthene  
Concen: 11.219 ng  
RT: 15.24 min Scan# 2237  
Delta R.T. 0.26 min  
Lab File: BF097829.D  
Acq: 18 Aug 2017 12:07

Tgt Ion:252 Resp: 117557  
Ion Ratio Lower Upper  
252 100  
253 23.5 18.4 27.6  
125 16.5 13.1 19.7





#89

Benzo(a)pyrene

Concen: 19.664 ng

RT: 15.30 min Scan# 2247

Delta R.T. 0.00 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

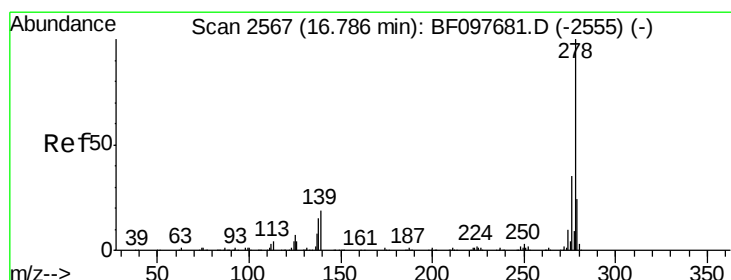
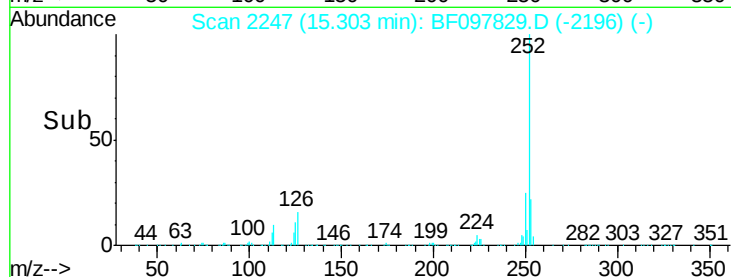
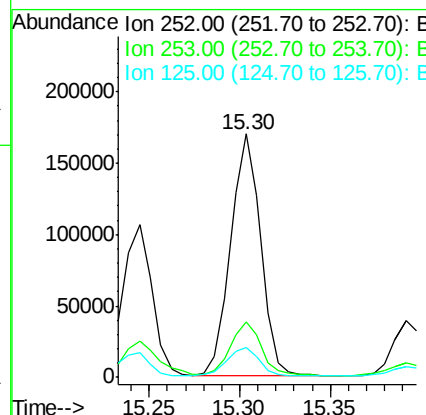
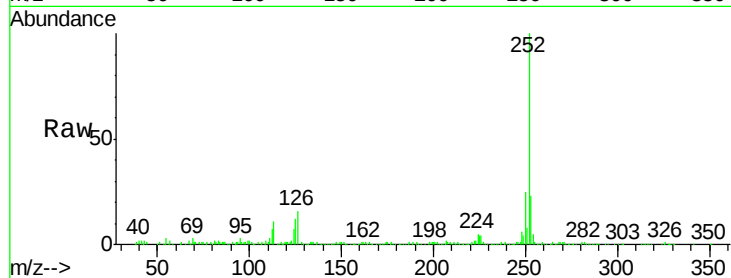
Instrument :

BNA\_F

ClientSampleId :

E2-H8-WSW

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 252   | Resp: | 194157 |
| Ion      | Ratio | Lower | Upper  |
| 252      | 100   |       |        |
| 253      | 22.8  | 17.5  | 26.3   |
| 125      | 12.1  | 11.0  | 16.4   |



#90

Dibenzo(a,h)anthracene

Concen: 3.077 ng

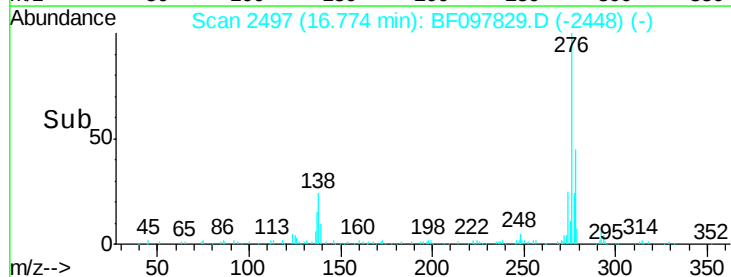
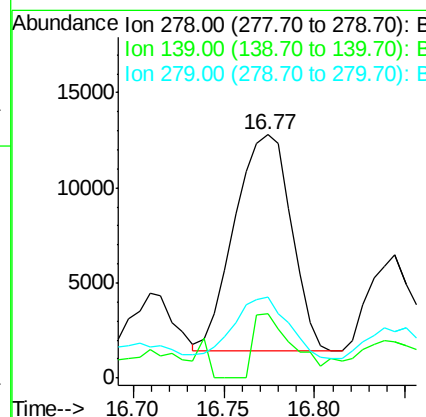
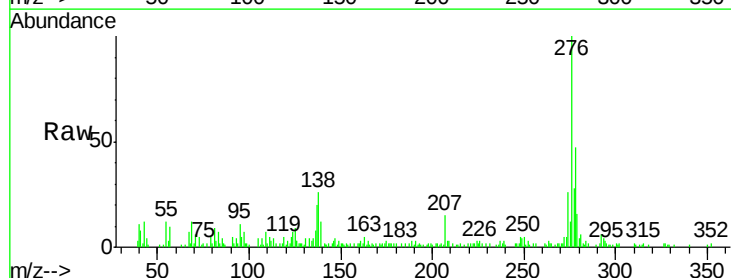
RT: 16.77 min Scan# 2497

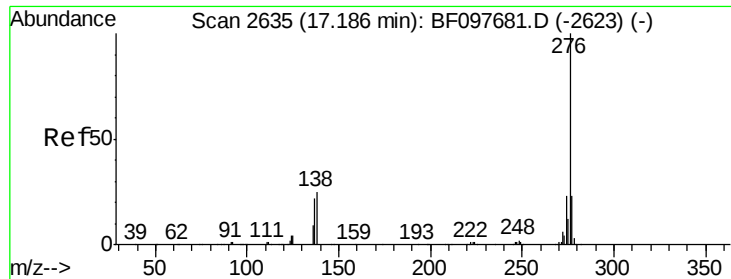
Delta R.T. -0.01 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 278   | Resp: | 24735 |
| Ion      | Ratio | Lower | Upper |
| 278      | 100   |       |       |
| 139      | 26.4  | 16.6  | 24.8# |
| 279      | 33.2  | 19.3  | 28.9# |





#91

Benzo(g,h,i)perylene

Concen: 11.246 ng

RT: 17.18 min Scan# 2566

Delta R.T. -0.01 min

Lab File: BF097829.D

Acq: 18 Aug 2017 12:07

Instrument :

BNA\_F

ClientSampleId :

E2-H8-WSW

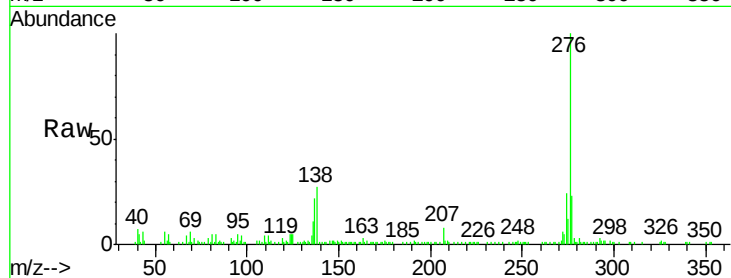
Tgt Ion: 276 Resp: 94328

Ion Ratio Lower Upper

276 100

277 23.1 18.6 28.0

138 26.8 25.4 38.0



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

