

Data Path : Z:\HPCHEM1\BNA F\Data\BF032717\  
 Data File : BF093940.D  
 Acq On : 27 Mar 2017 13:21  
 Operator : SJ/MA  
 Sample : I2367-12DL 2X  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-R13-WSWDL

Quant Time: Mar 27 16:24:33 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 27 16:10:49 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 5.95  | 152  | 186226   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 7.46  | 136  | 751082   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.60  | 164  | 324651   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.42 | 188  | 518244   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.68 | 240  | 330754   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 16.32 | 264  | 310150   | 20.00 | ng    | 0.00     |

|                             |       |     |        |       |    |       |
|-----------------------------|-------|-----|--------|-------|----|-------|
| System Monitoring Compounds |       |     |        |       |    |       |
| 5) 2-Fluorophenol           | 4.48  | 112 | 590207 | 53.53 | ng | 0.00  |
| 7) Phenol-d6                | 5.55  | 99  | 769213 | 56.39 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 6.59  | 82  | 429713 | 32.65 | ng | -0.01 |
| 41) 2,4,6-Tribromophenol    | 10.57 | 330 | 120279 | 46.88 | ng | 0.00  |
| 44) 2-Fluorobiphenyl        | 8.77  | 172 | 846154 | 39.75 | ng | 0.00  |
| 78) Terphenyl-d14           | 13.40 | 244 | 474272 | 32.14 | ng | 0.00  |

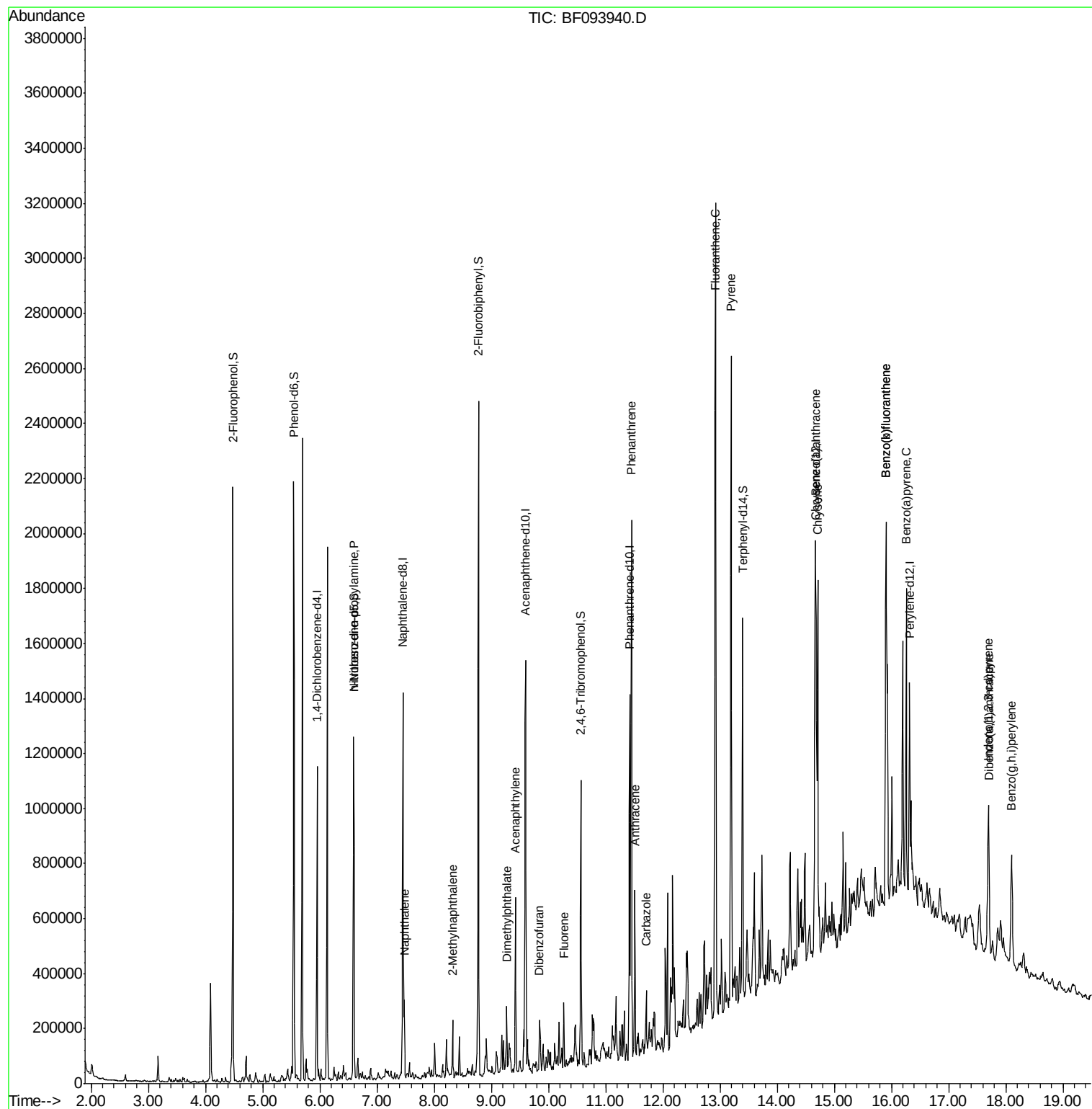
|                                |       |     |         |        |    |      |
|--------------------------------|-------|-----|---------|--------|----|------|
| Target Compounds               |       |     |         | Qvalue |    |      |
| 19) n-Nitroso-di-n-propylamine | 6.59  | 70  | 57592   | 6.57   | ng | # 80 |
| 31) Naphthalene                | 7.48  | 128 | 105713  | 2.93   | ng | 100  |
| 37) 2-Methylnaphthalene        | 8.32  | 142 | 55347   | 2.30   | ng | 98   |
| 48) Acenaphthylene             | 9.42  | 152 | 280593  | 8.24   | ng | 97   |
| 49) Dimethylphthalate          | 9.27  | 163 | 97837   | 4.24   | ng | 99   |
| 54) Dibenzofuran               | 9.85  | 168 | 63914   | 2.36   | ng | 98   |
| 57) Fluorene                   | 10.27 | 166 | 50294   | 2.24   | ng | 99   |
| 70) Phenanthrene               | 11.45 | 178 | 808033  | 28.03  | ng | 99   |
| 71) Anthracene                 | 11.51 | 178 | 255924  | 8.62   | ng | 99   |
| 72) Carbazole                  | 11.71 | 167 | 94021   | 3.09   | ng | 98   |
| 74) Fluoranthene               | 12.92 | 202 | 1423275 | 48.21  | ng | 99   |
| 77) Pyrene                     | 13.20 | 202 | 1155628 | 48.14  | ng | 99   |
| 80) Benzo(a)anthracene         | 14.67 | 228 | 632604  | 32.80  | ng | 96   |
| 82) Chrysene                   | 14.71 | 228 | 604987  | 33.80  | ng | 96   |
| 85) Indeno(1,2,3-cd)pyrene     | 17.70 | 276 | 348212  | 22.46  | ng | 95   |
| 87) Benzo(b)fluoranthene       | 15.91 | 252 | 1159378 | 60.98  | ng | # 97 |
| 88) Benzo(k)fluoranthene       | 15.91 | 252 | 1159378 | 62.33  | ng | 98   |
| 89) Benzo(a)pyrene             | 16.26 | 252 | 488194  | 27.89  | ng | 98   |
| 90) Dibenzo(a,h)anthracene     | 17.71 | 278 | 91588   | 6.18   | ng | # 92 |
| 91) Benzo(a,h,i)perylene       | 18.10 | 276 | 295294  | 19.76  | ng | 98   |

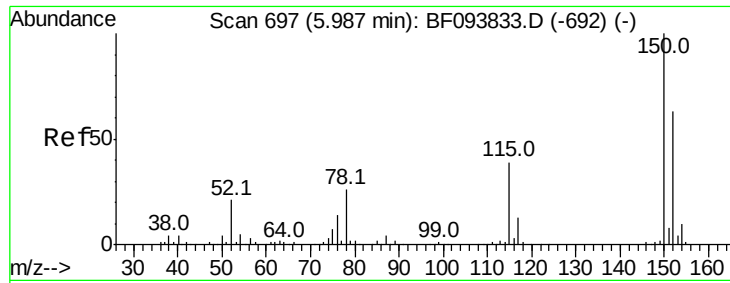
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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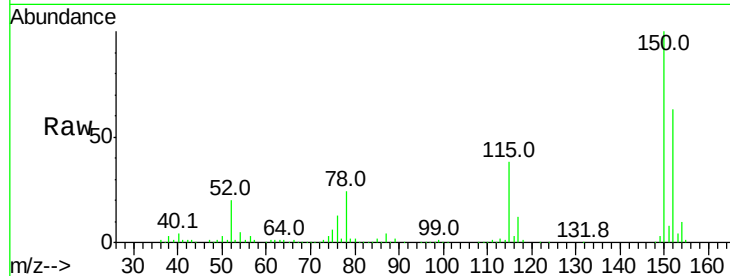


#1

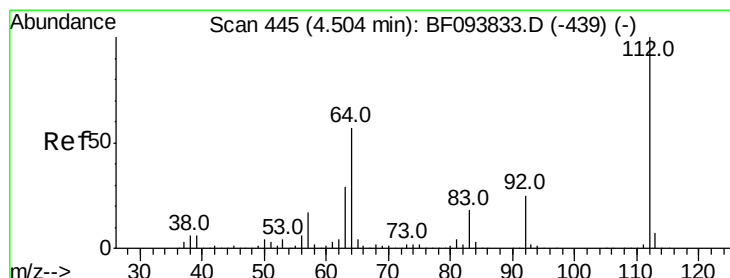
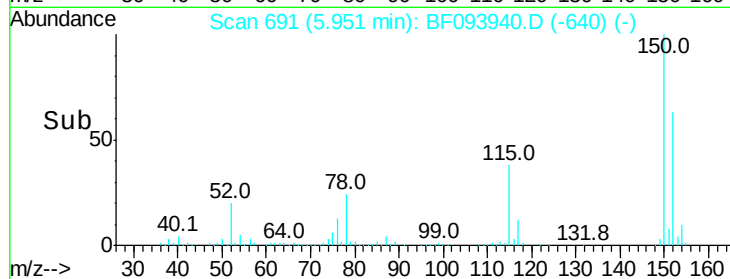
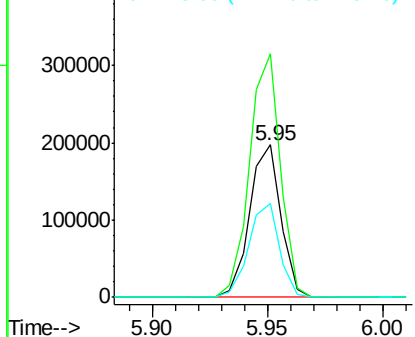
1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 5.95 min Scan# 691  
 Delta R.T. -0.00 min  
 Lab File: BF093940.D  
 Acq: 27 Mar 2017 13:21

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-R13-WSWDL

Tot Ion:152 Resp: 186226  
 Ion Ratio Lower Upper  
 152 100  
 150 160.0 126.2 189.2  
 115 61.5 52.2 78.2



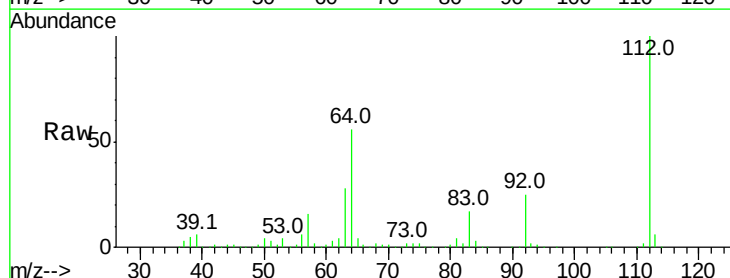
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



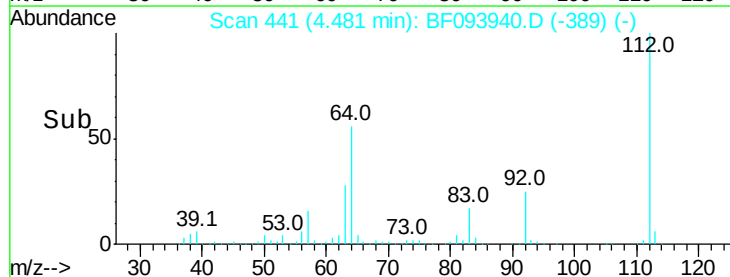
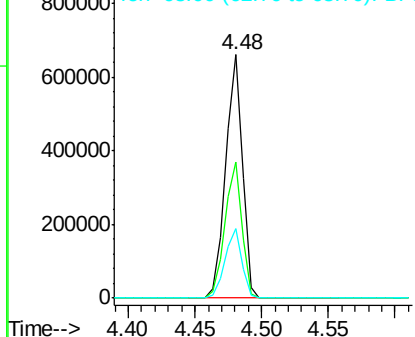
#5

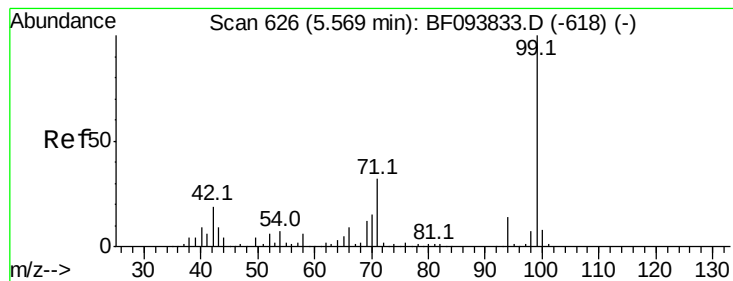
2-Fluorophenol  
 Concen: 53.53 ng  
 RT: 4.48 min Scan# 441  
 Delta R.T. 0.01 min  
 Lab File: BF093940.D  
 Acq: 27 Mar 2017 13:21

Tgt Ion:112 Resp: 590207  
 Ion Ratio Lower Upper  
 112 100  
 64 56.0 46.0 69.0  
 63 28.5 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: 56.39 ng

RT: 5.55 min Scan# 622

Delta R.T. -0.01 min

Lab File: BF093940.D

Acq: 27 Mar 2017 13:21

Instrument :

BNA\_F

ClientSampleId :

E2-R13-WSWDL

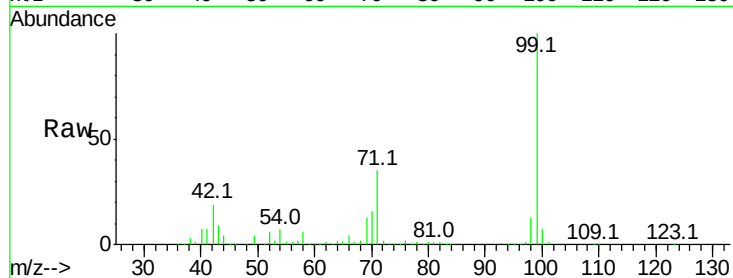
Tot Ion: 99 Resp: 769213

Ion Ratio Lower Upper

99 100

42 18.8 13.5 20.3

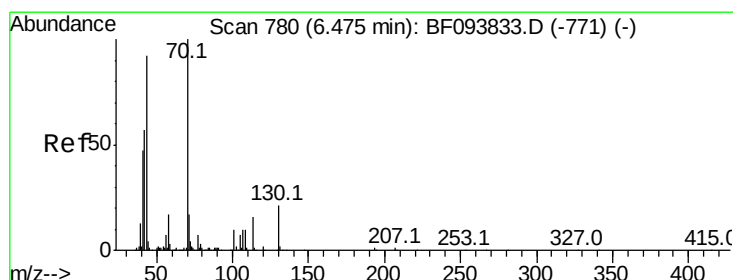
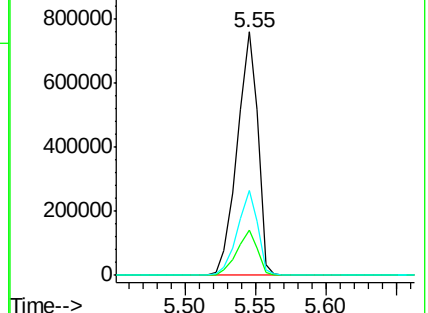
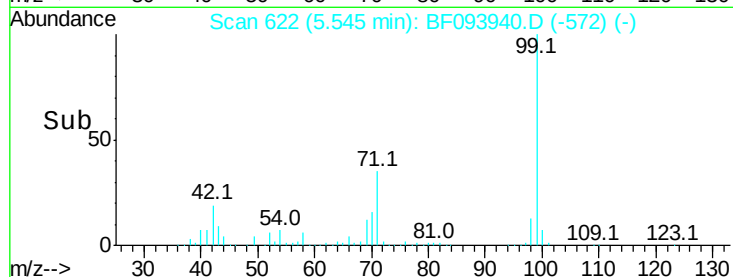
71 34.9 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.57 ng

RT: 6.59 min Scan# 800

Delta R.T. 0.15 min

Lab File: BF093940.D

Acq: 27 Mar 2017 13:21

Tgt Ion: 70 Resp: 57592

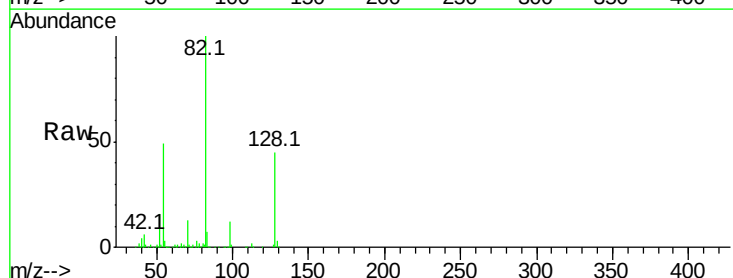
Ion Ratio Lower Upper

70 100

42 49.2 47.2 70.8

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

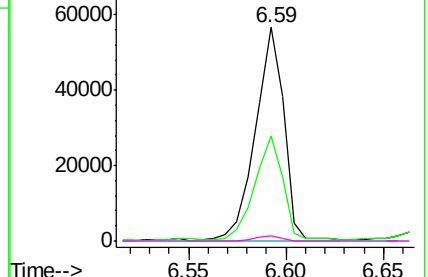
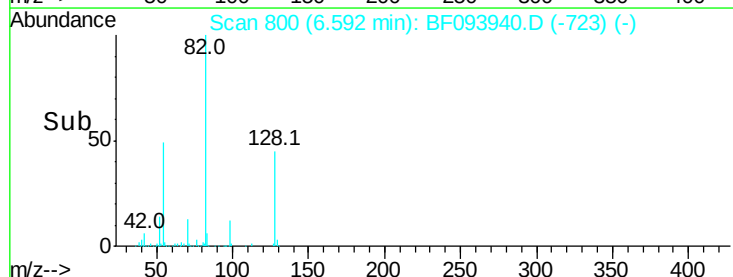


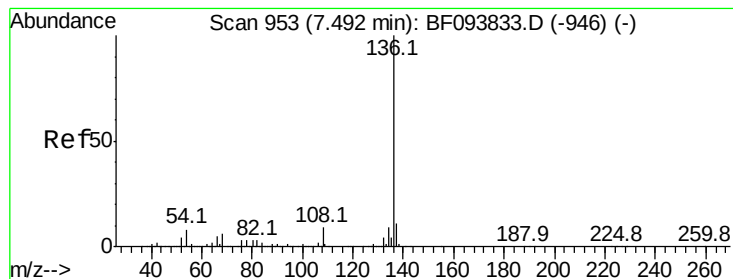
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.46 min Scan# 947

Delta R.T. -0.00 min

Lab File: BF093940.D

Acq: 27 Mar 2017 13:21

Instrument :

BNA\_F

ClientSampleId :

E2-R13-WSWDL

Tot Ion:136 Resp: 751082

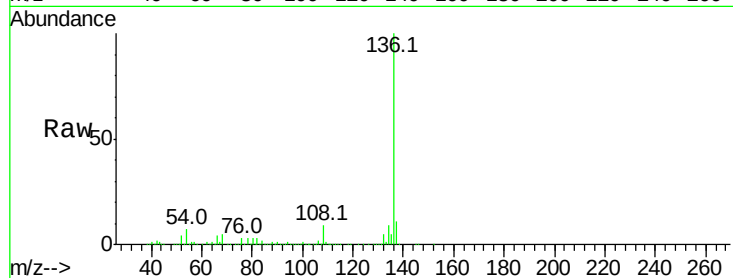
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 6.9 4.9 7.3

68 5.5 4.1 6.1

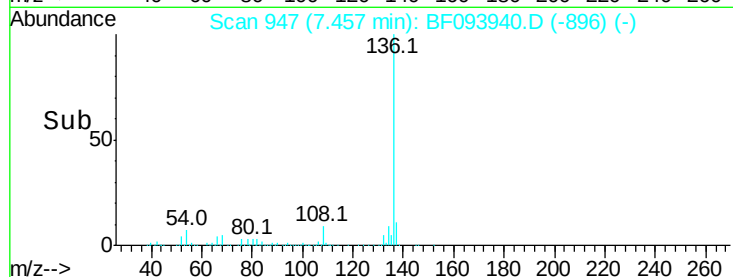


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

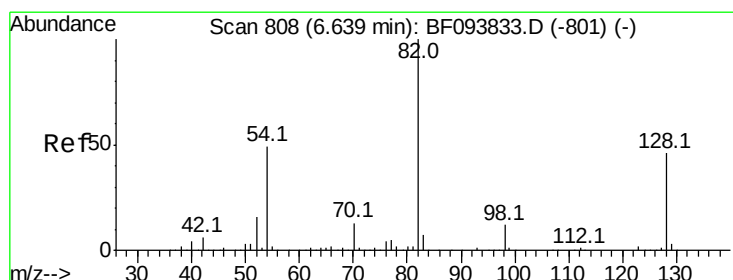
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Abundance

Time-->



#23

Nitrobenzene-d5

Concen: 32.65 ng

RT: 6.59 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF093940.D

Acq: 27 Mar 2017 13:21

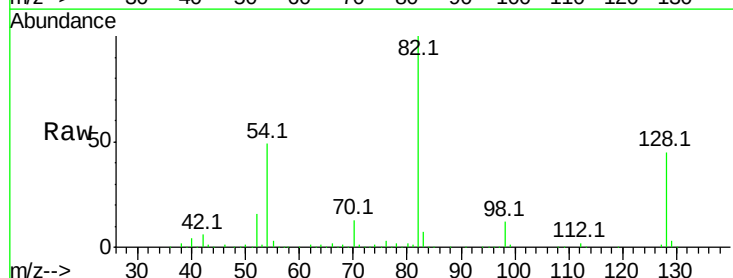
Tgt Ion: 82 Resp: 429713

Ion Ratio Lower Upper

82 100

128 44.8 34.0 51.0

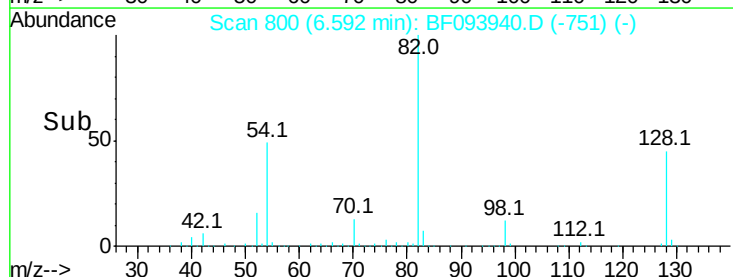
54 48.8 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

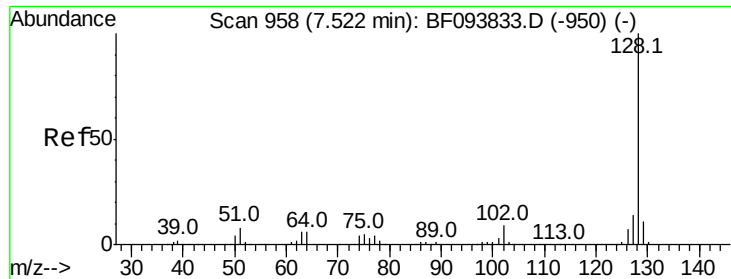
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Abundance

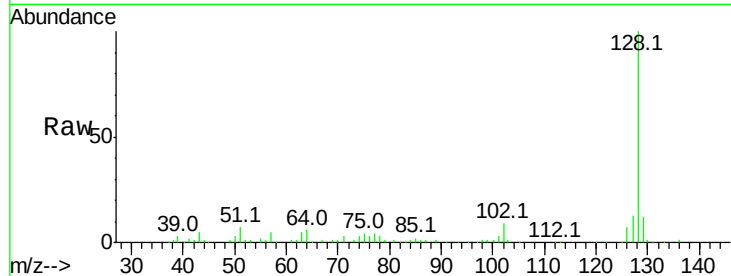
Time-->



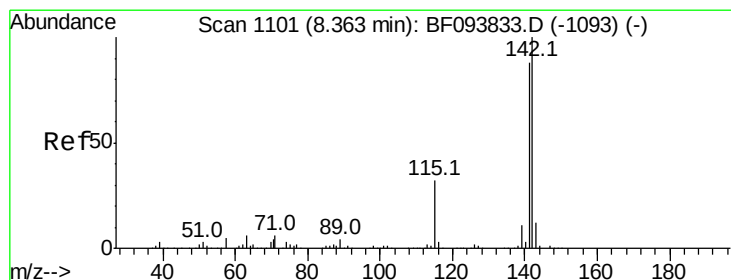
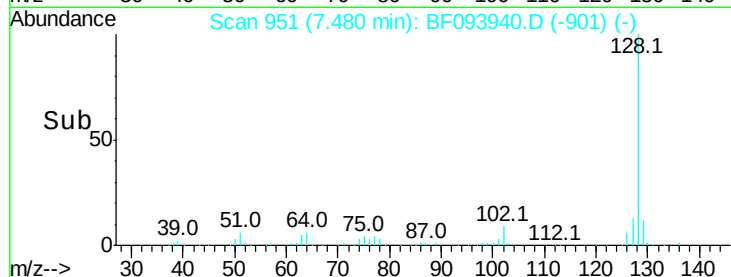
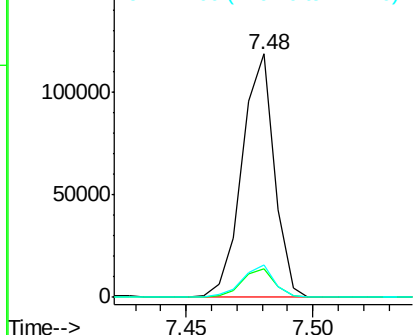
#31  
Naphthalene  
Concen: 2.93 ng  
RT: 7.48 min Scan# 951  
Delta R.T. -0.01 min  
Lab File: BF093940.D  
Acq: 27 Mar 2017 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
E2-R13-WSWDL

Tot Ion:128 Resp: 105713  
Ion Ratio Lower Upper  
128 100  
129 11.6 9.0 13.6  
127 13.4 10.8 16.2

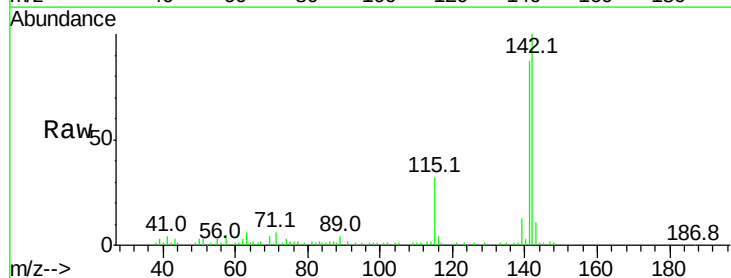


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

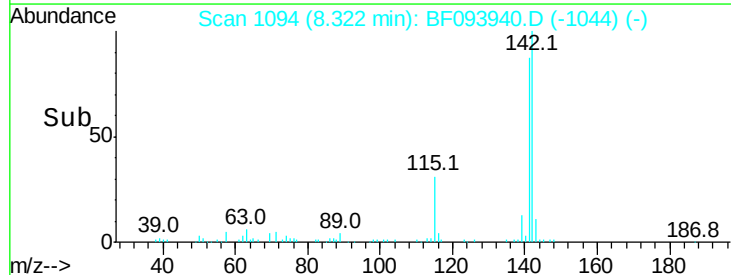
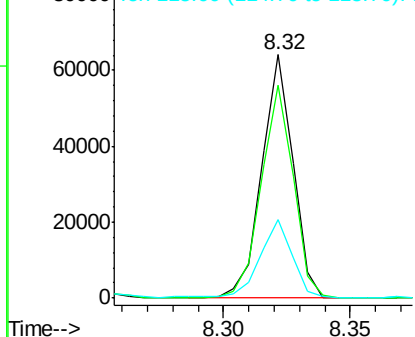


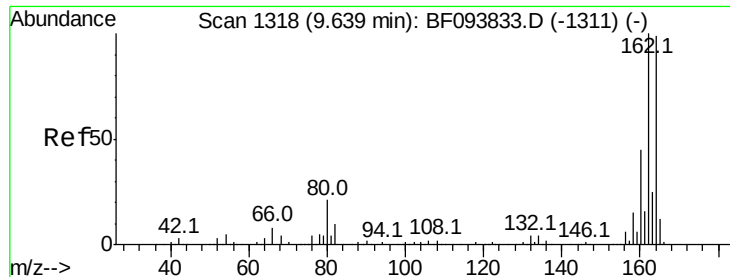
#37  
2-Methylnaphthalene  
Concen: 2.30 ng  
RT: 8.32 min Scan# 1094  
Delta R.T. -0.01 min  
Lab File: BF093940.D  
Acq: 27 Mar 2017 13:21

Tgt Ion:142 Resp: 55347  
Ion Ratio Lower Upper  
142 100  
141 87.5 71.3 106.9  
115 32.1 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

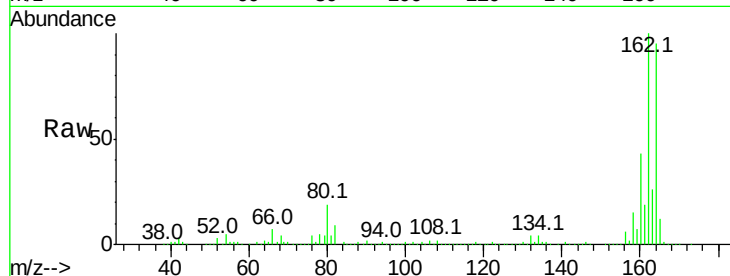




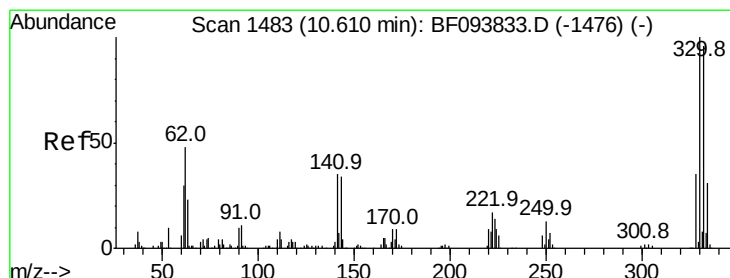
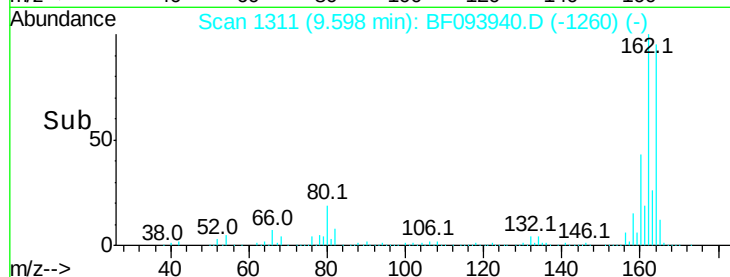
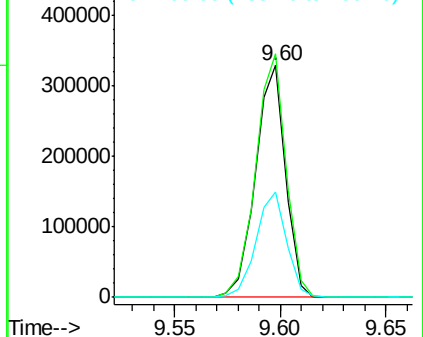
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.60 min Scan# 1311  
Delta R.T. -0.00 min  
Lab File: BF093940.D  
Acq: 27 Mar 2017 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
E2-R13-WSWDL

Tot Ion:164 Resp: 324651  
Ion Ratio Lower Upper  
164 100  
162 105.2 82.6 123.8  
160 45.6 36.2 54.2

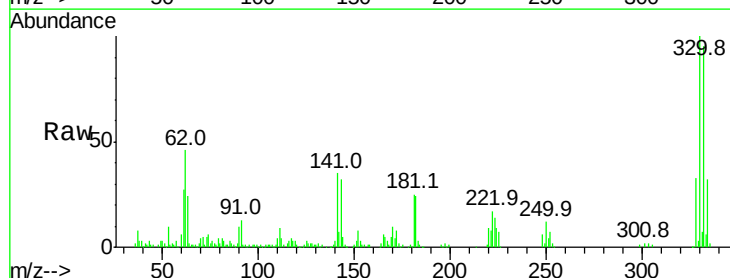


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

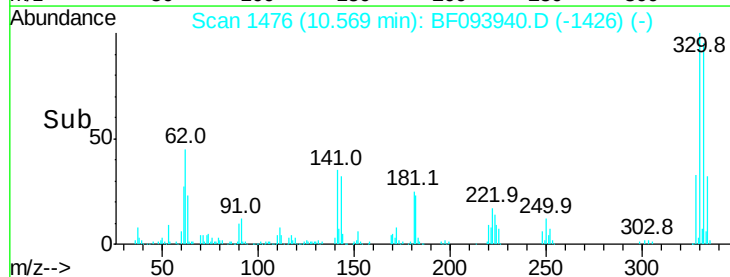
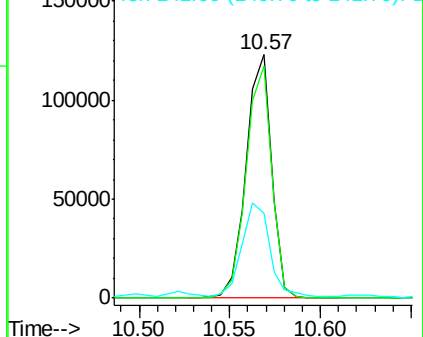


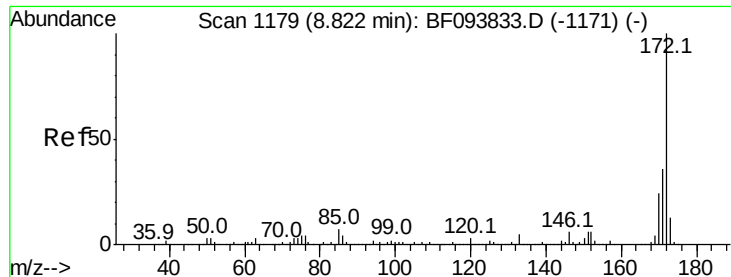
#41  
2,4,6-Tribromophenol  
Concen: 46.88 ng  
RT: 10.57 min Scan# 1476  
Delta R.T. -0.01 min  
Lab File: BF093940.D  
Acq: 27 Mar 2017 13:21

Tgt Ion:330 Resp: 120279  
Ion Ratio Lower Upper  
330 100  
332 95.4 76.6 115.0  
141 42.5 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

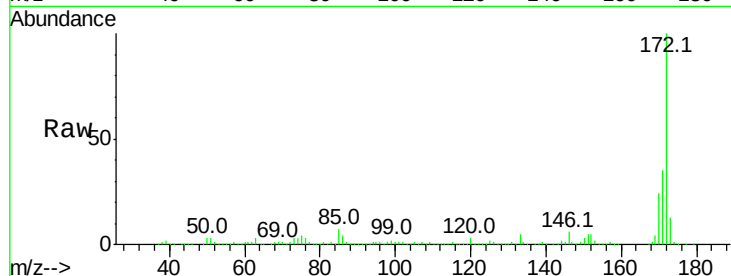




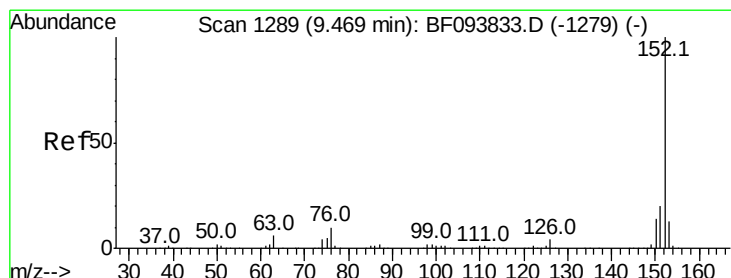
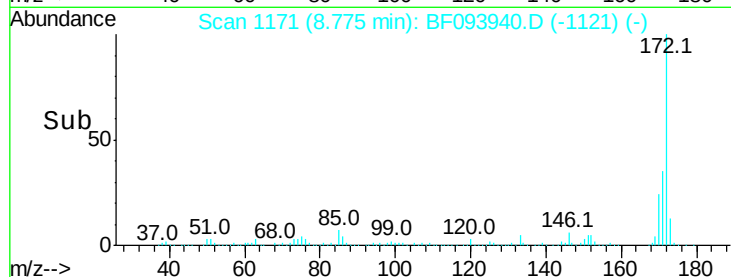
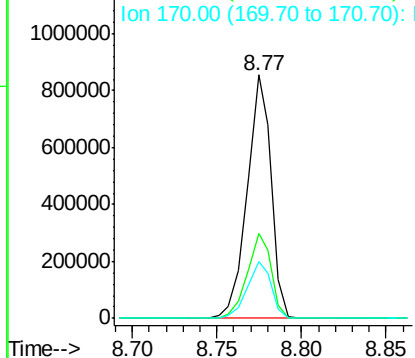
#44  
2-Fluorobiphenyl  
Concen: 39.75 ng  
RT: 8.77 min Scan# 1171  
Delta R.T. -0.01 min  
Lab File: BF093940.D  
Acq: 27 Mar 2017 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
E2-R13-WSWDL

Tot Ion:172 Resp: 846154  
Ion Ratio Lower Upper  
172 100  
171 35.1 29.6 44.4  
170 23.6 19.8 29.8

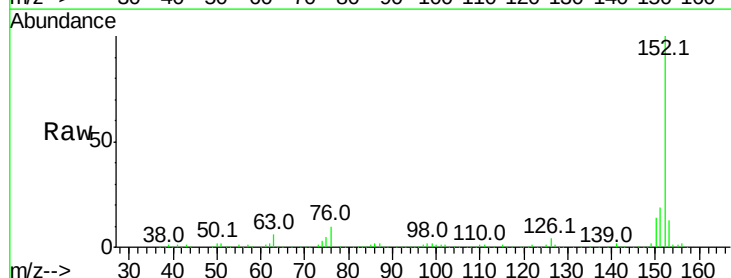


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

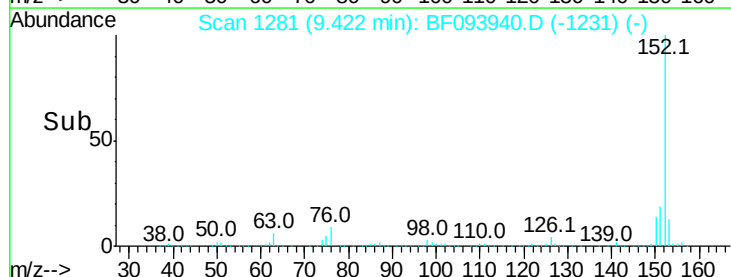
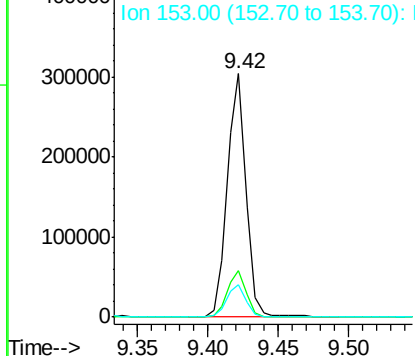


#48  
Acenaphthylene  
Concen: 8.24 ng  
RT: 9.42 min Scan# 1281  
Delta R.T. -0.01 min  
Lab File: BF093940.D  
Acq: 27 Mar 2017 13:21

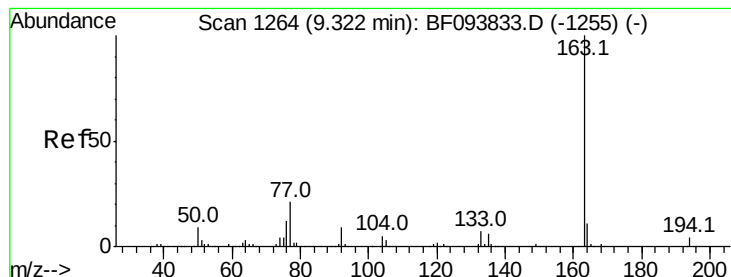
Tgt Ion:152 Resp: 280593  
Ion Ratio Lower Upper  
152 100  
151 19.0 16.8 25.2  
153 13.4 10.8 16.2



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







#49

Dimethylphthalate

Concen: 4.24 ng

RT: 9.27 min Scan# 1255

Delta R.T. -0.02 min

Lab File: BF093940.D

Acq: 27 Mar 2017 13:21

Instrument :

BNA\_F

ClientSampleId :

E2-R13-WSWDL

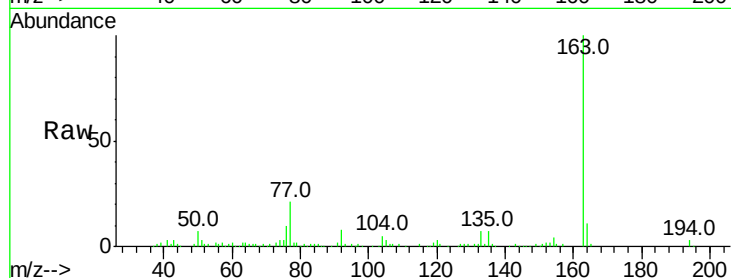
Tot Ion:163 Resp: 97837

Ion Ratio Lower Upper

163 100

194 3.2 2.6 4.0

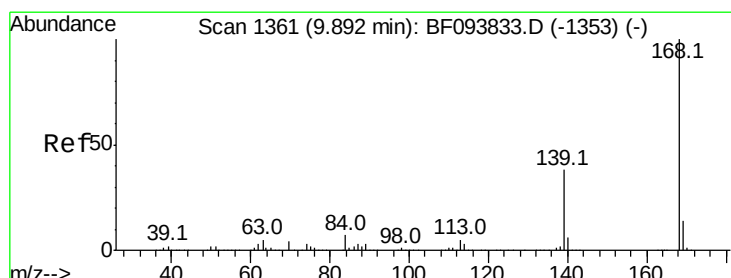
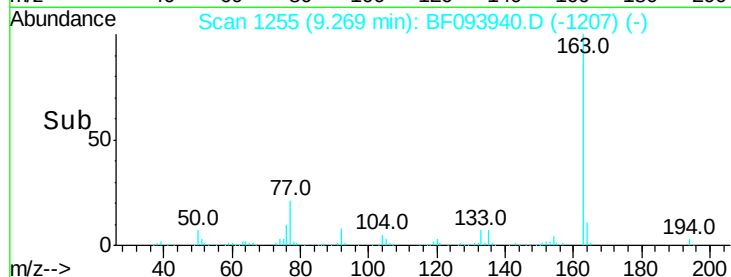
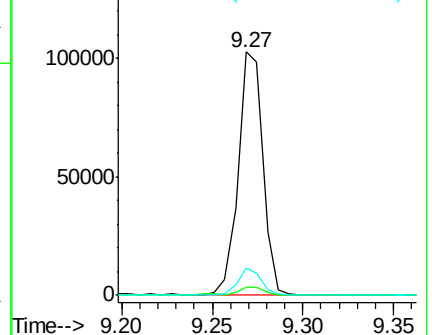
164 11.0 8.4 12.6



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



#54

Dibenzofuran

Concen: 2.36 ng

RT: 9.85 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF093940.D

Acq: 27 Mar 2017 13:21

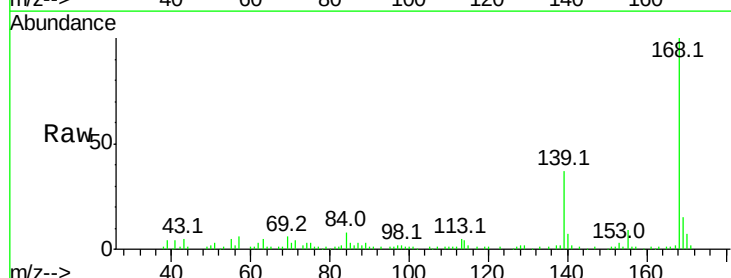
Tgt Ion:168 Resp: 63914

Ion Ratio Lower Upper

168 100

139 36.9 30.6 45.8

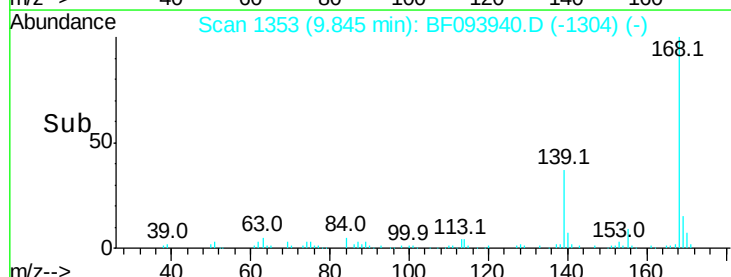
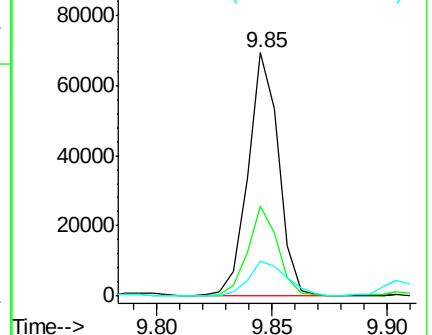
169 14.6 10.8 16.2

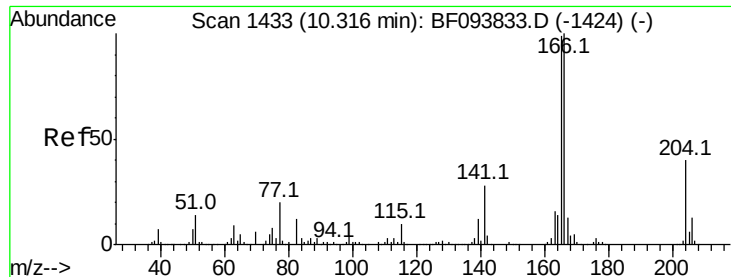


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

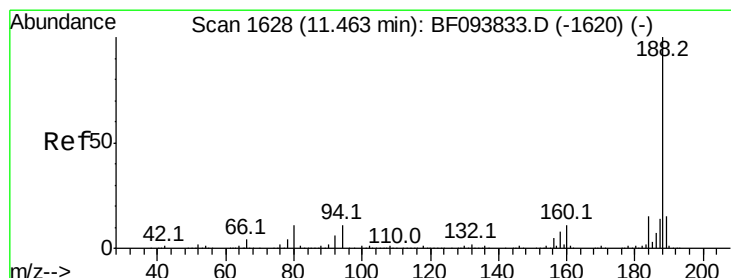
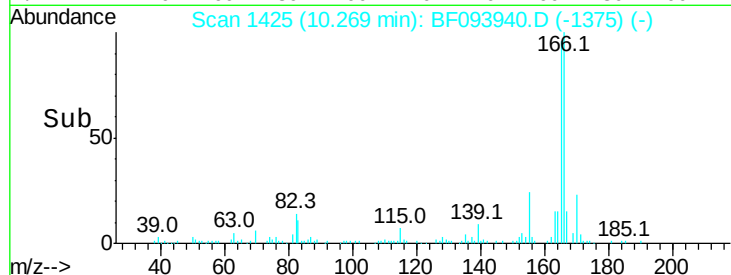
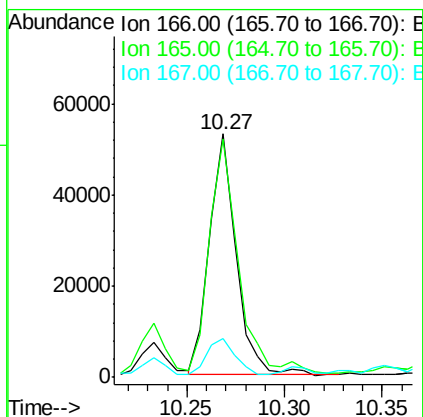
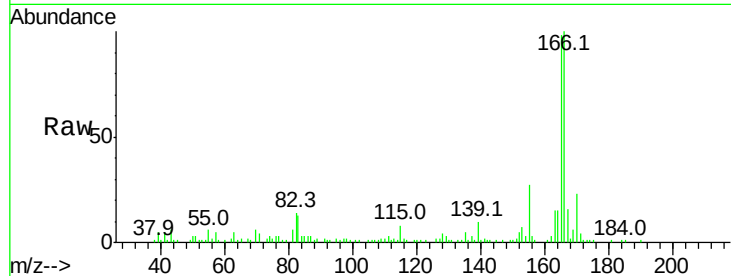




#57  
**Fluorene**  
 Concen: 2.24 ng  
 RT: 10.27 min Scan# 1425  
 Delta R.T. -0.01 min  
 Lab File: BF093940.D  
 Acq: 27 Mar 2017 13:21

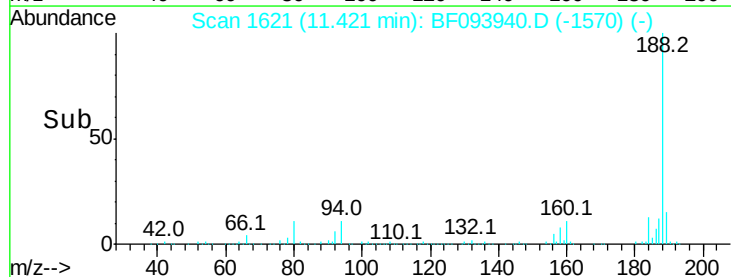
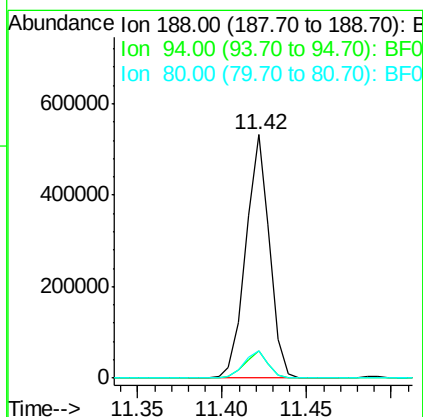
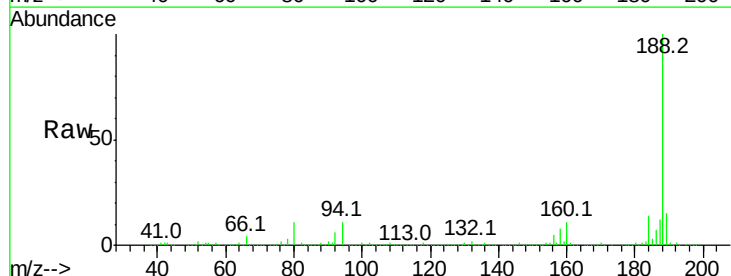
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-R13-WSWDL

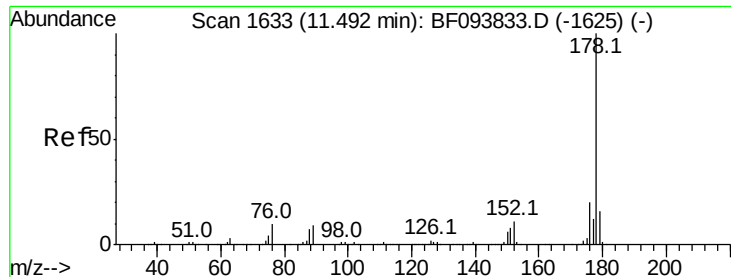
Tot Ion:166 Resp: 50294  
 Ion Ratio Lower Upper  
 166 100  
 165 97.8 78.8 118.2  
 167 15.8 10.6 16.0



#63  
**Phenanthrene-d10**  
 Concen: 20.00 ng  
 RT: 11.42 min Scan# 1621  
 Delta R.T. -0.00 min  
 Lab File: BF093940.D  
 Acq: 27 Mar 2017 13:21

Tgt Ion:188 Resp: 518244  
 Ion Ratio Lower Upper  
 188 100  
 94 11.0 9.4 14.2  
 80 11.2 10.2 15.2

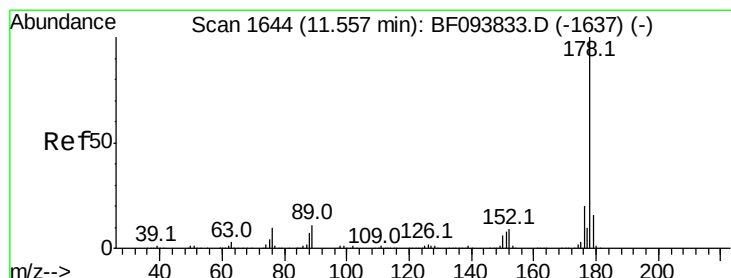
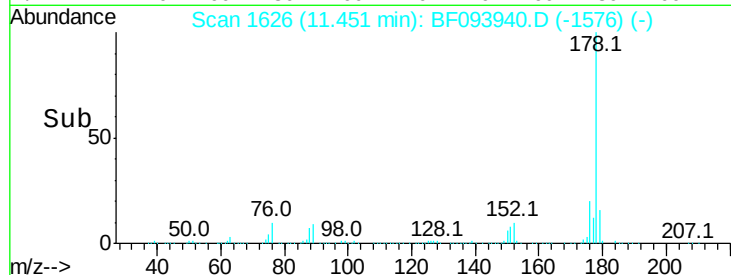
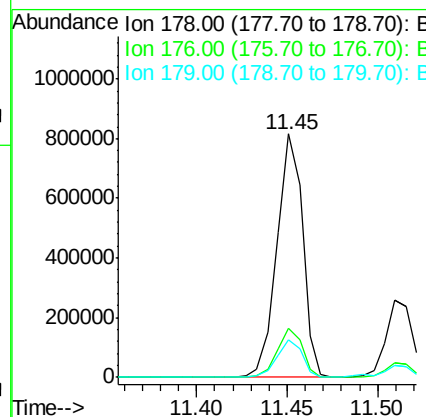
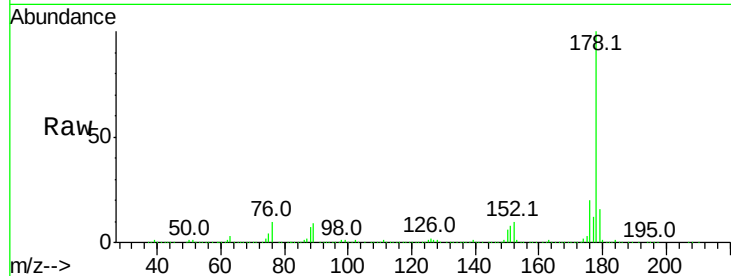




#70  
Phenanthrene  
Concen: 28.03 ng  
RT: 11.45 min Scan# 1626  
Delta R.T. -0.01 min  
Lab File: BF093940.D  
Acq: 27 Mar 2017 13:21

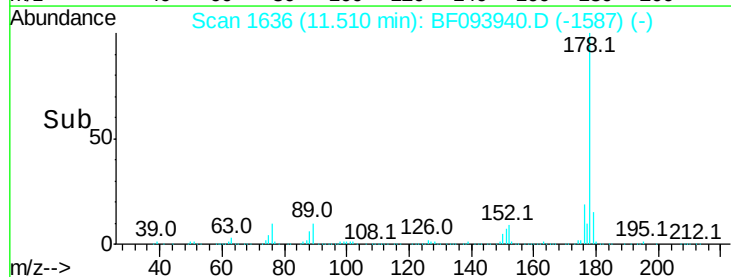
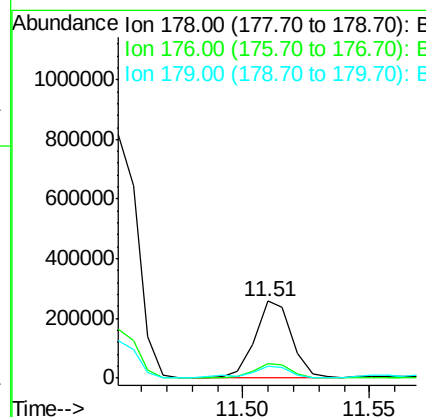
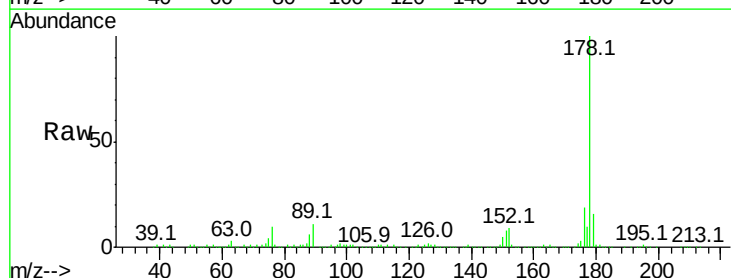
Instrument :  
BNA\_F  
ClientSampleId :  
E2-R13-WSWDL

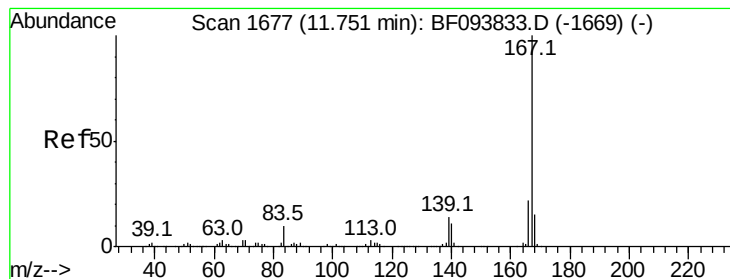
Tot Ion:178 Resp: 808033  
Ion Ratio Lower Upper  
178 100  
176 19.9 16.2 24.4  
179 15.6 12.6 19.0



#71  
Anthracene  
Concen: 8.62 ng  
RT: 11.51 min Scan# 1636  
Delta R.T. -0.01 min  
Lab File: BF093940.D  
Acq: 27 Mar 2017 13:21

Tgt Ion:178 Resp: 255924  
Ion Ratio Lower Upper  
178 100  
176 19.3 15.8 23.8  
179 15.7 12.7 19.1





#72

Carbazole

Concen: 3.09 ng

RT: 11.71 min Scan# 1670

Delta R.T. -0.01 min

Lab File: BF093940.D

Acq: 27 Mar 2017 13:21

Instrument :

BNA\_F

ClientSampleId :

E2-R13-WSWDL

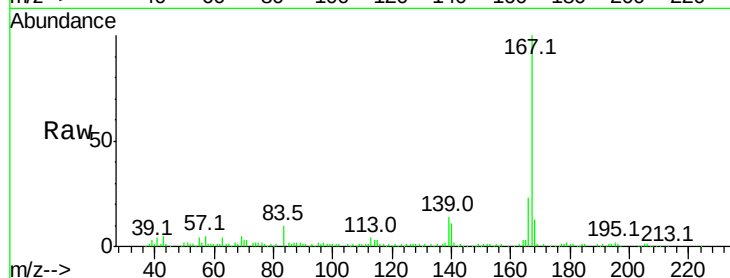
Tot Ion:167 Resp: 94021

Ion Ratio Lower Upper

167 100

166 23.0 18.1 27.1

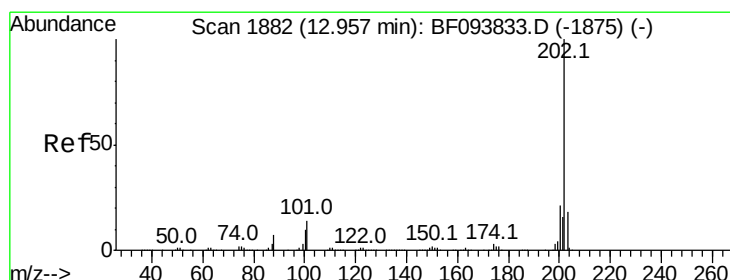
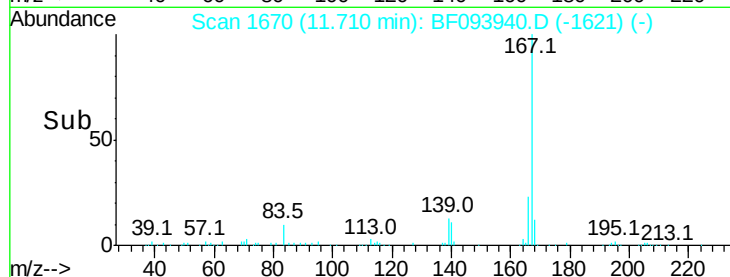
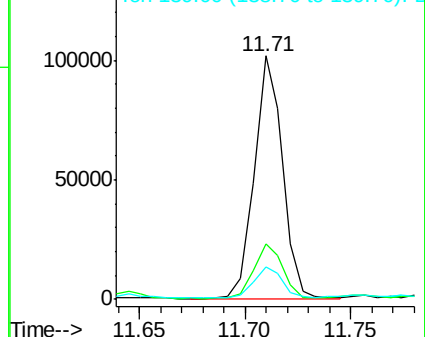
139 13.5 11.7 17.5



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: 48.21 ng

RT: 12.92 min Scan# 1876

Delta R.T. -0.00 min

Lab File: BF093940.D

Acq: 27 Mar 2017 13:21

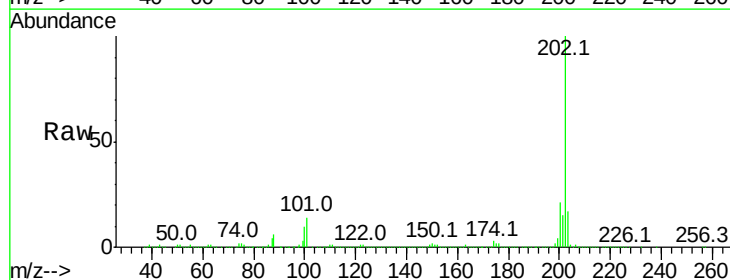
Tgt Ion:202 Resp: 1423275

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.2

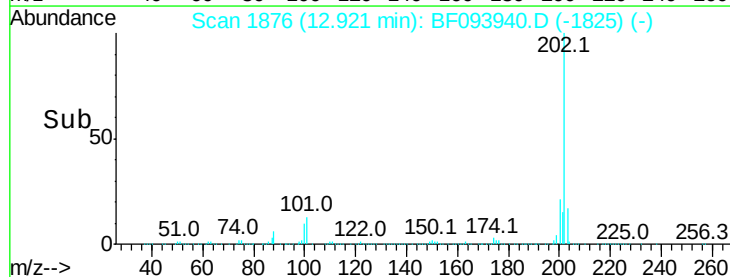
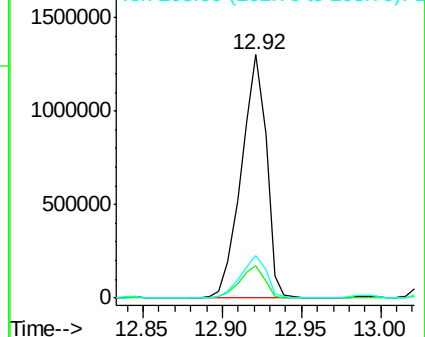
203 17.4 0.0 38.1

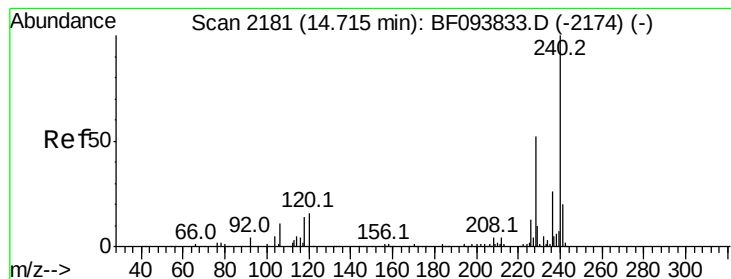


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.68 min Scan# 2175

Delta R.T. -0.00 min

Lab File: BF093940.D

Acq: 27 Mar 2017 13:21

Instrument :

BNA\_F

ClientSampleId :

E2-R13-WSWDL

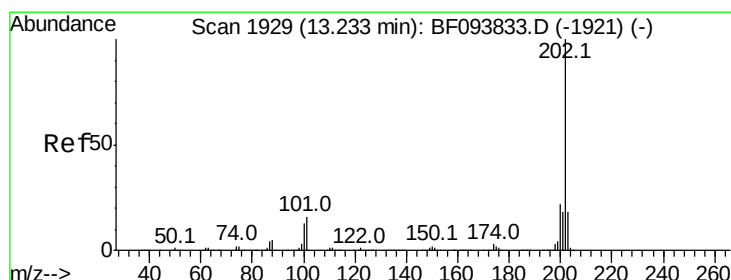
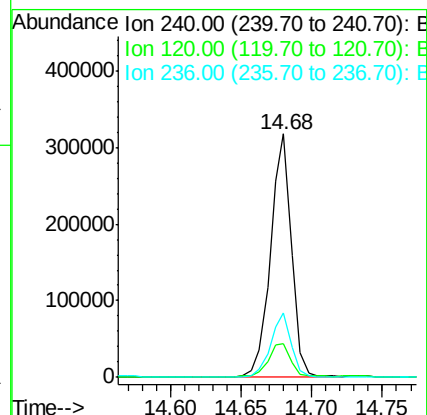
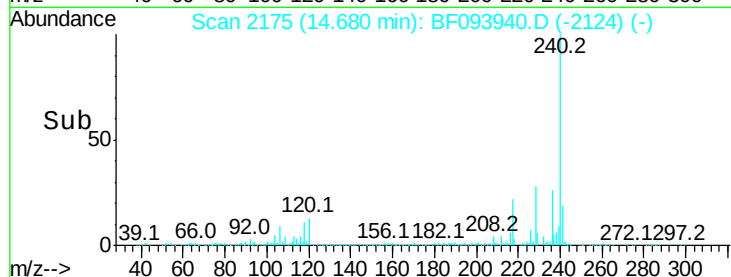
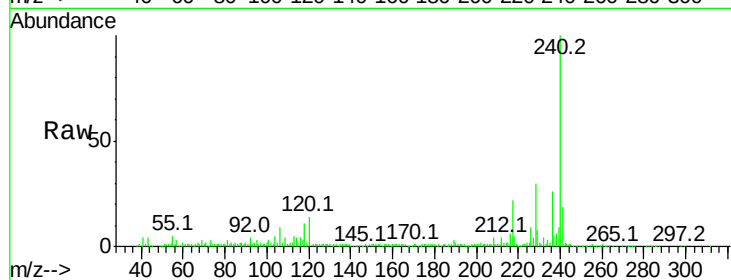
Tot Ion:240 Resp: 330754

Ion Ratio Lower Upper

240 100

120 13.6 5.8 8.8#

236 26.4 20.5 30.7



#77

Pyrene

Concen: 48.14 ng

RT: 13.20 min Scan# 1923

Delta R.T. -0.00 min

Lab File: BF093940.D

Acq: 27 Mar 2017 13:21

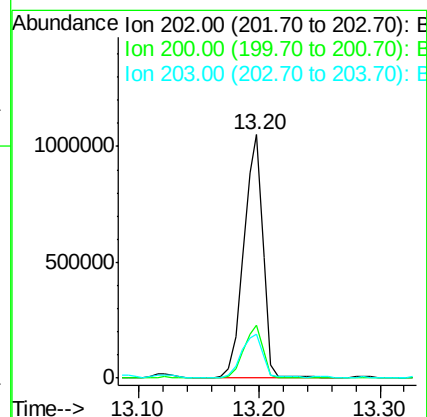
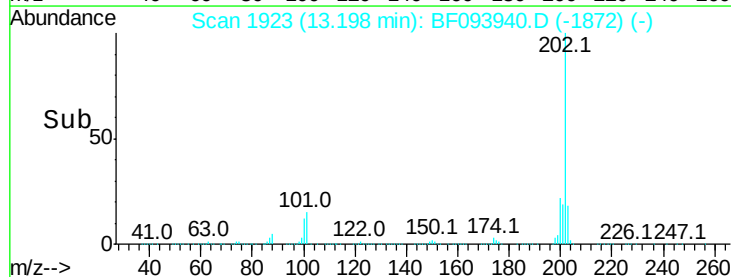
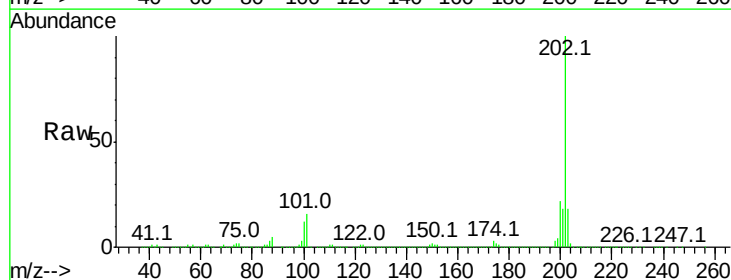
Tgt Ion:202 Resp: 1155628

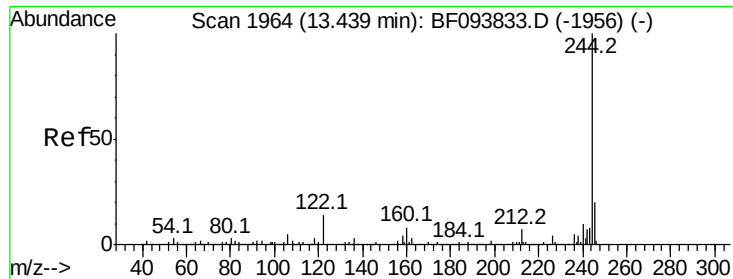
Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

203 17.9 14.4 21.6





#78

Terphenyl-d14

Concen: 32.14 ng

RT: 13.40 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BF093940.D

Acq: 27 Mar 2017 13:21

Instrument :

BNA\_F

ClientSampleId :

E2-R13-WSWDL

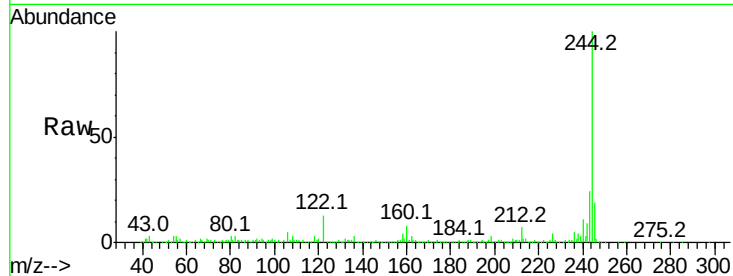
Tot Ion:244 Resp: 474272

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

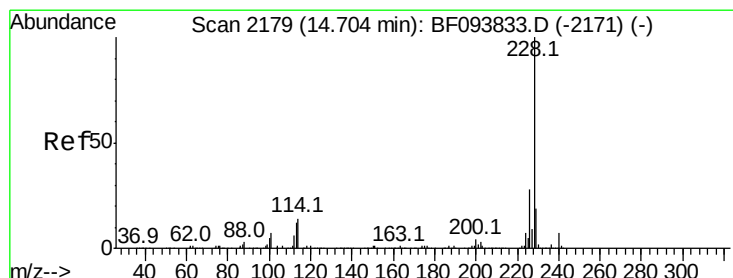
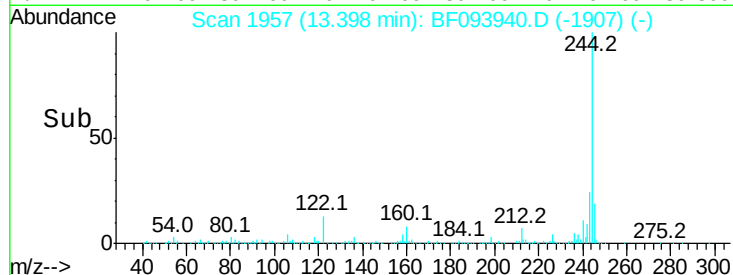
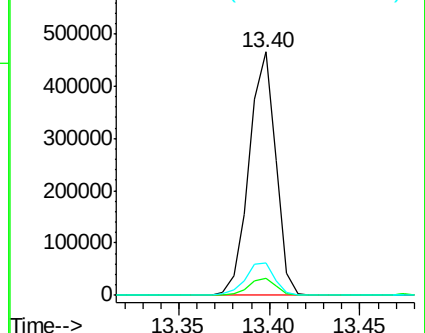
122 13.4 10.3 15.5



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: 32.80 ng

RT: 14.67 min Scan# 2173

Delta R.T. -0.00 min

Lab File: BF093940.D

Acq: 27 Mar 2017 13:21

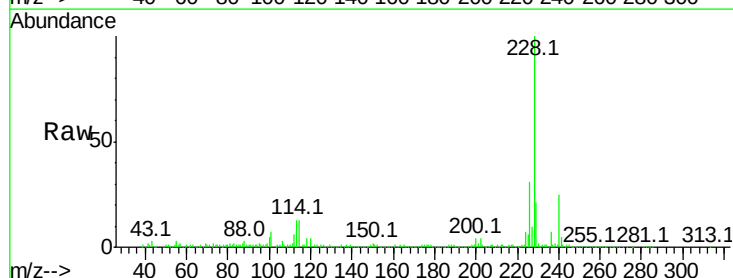
Tgt Ion:228 Resp: 632604

Ion Ratio Lower Upper

228 100

226 31.1 22.6 33.8

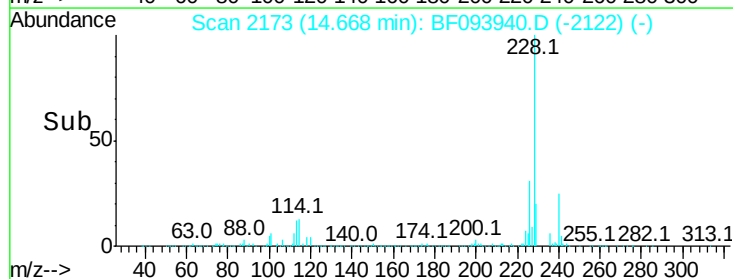
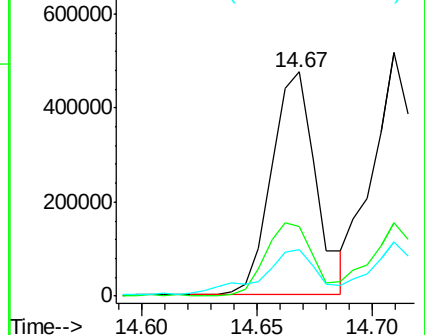
229 20.9 16.3 24.5

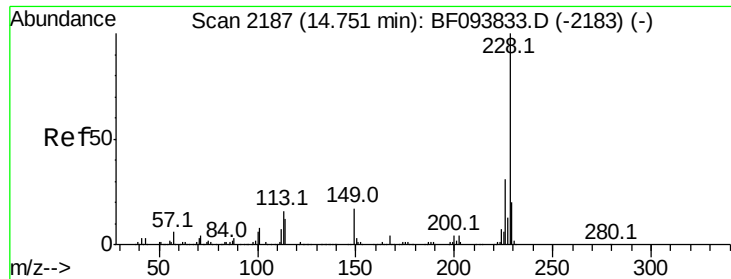


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 33.80 ng

RT: 14.71 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF093940.D

Acq: 27 Mar 2017 13:21

Instrument :

BNA\_F

ClientSampleId :

E2-R13-WSWDL

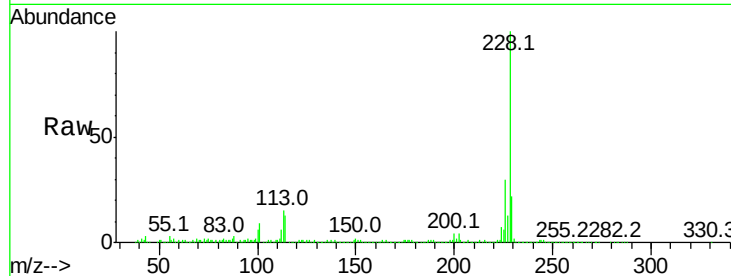
Tot Ion:228 Resp: 604987

Ion Ratio Lower Upper

228 100

226 30.1 24.9 37.3

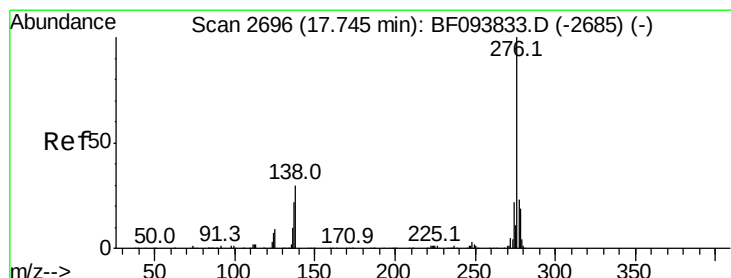
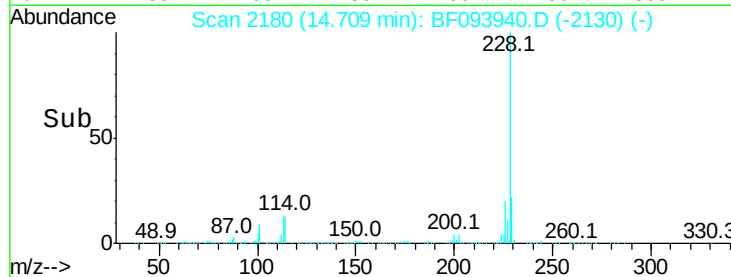
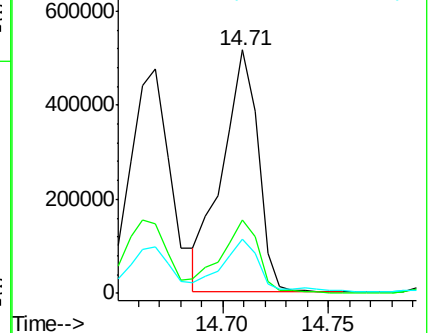
229 22.5 15.8 23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 22.46 ng

RT: 17.70 min Scan# 2688

Delta R.T. 0.01 min

Lab File: BF093940.D

Acq: 27 Mar 2017 13:21

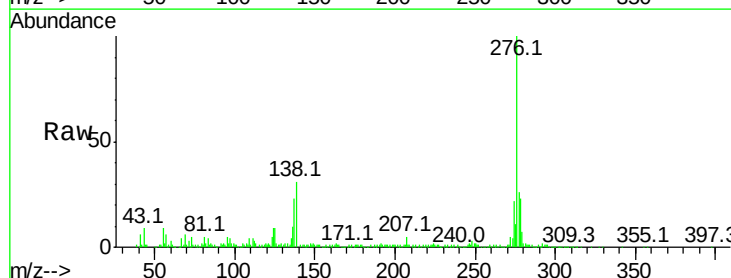
Tgt Ion:276 Resp: 348212

Ion Ratio Lower Upper

276 100

138 30.5 27.8 41.6

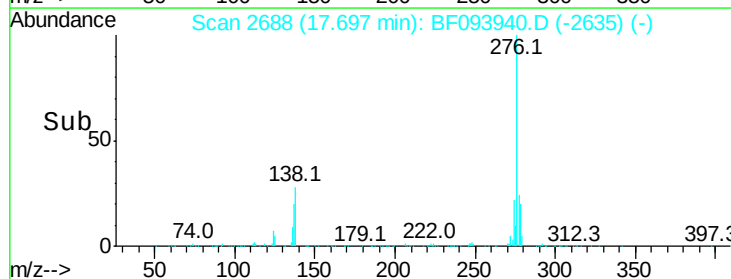
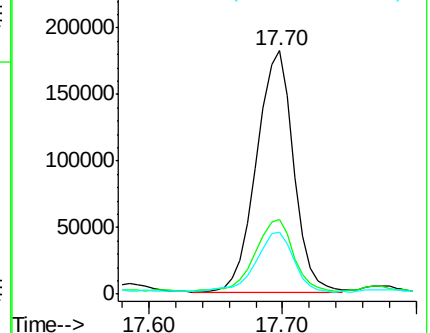
277 25.8 20.2 30.4

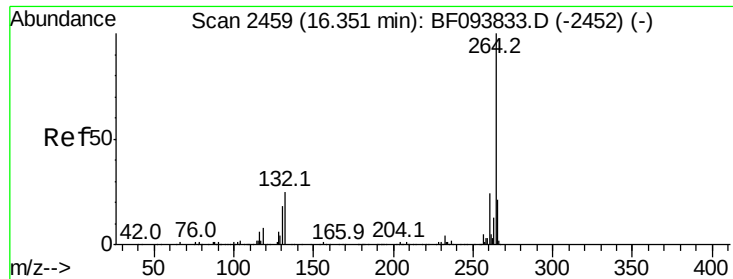


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 16.32 min Scan# 2453

Delta R.T. 0.01 min

Lab File: BF093940.D

Acq: 27 Mar 2017 13:21

Instrument :

BNA\_F

ClientSampleId :

E2-R13-WSWDL

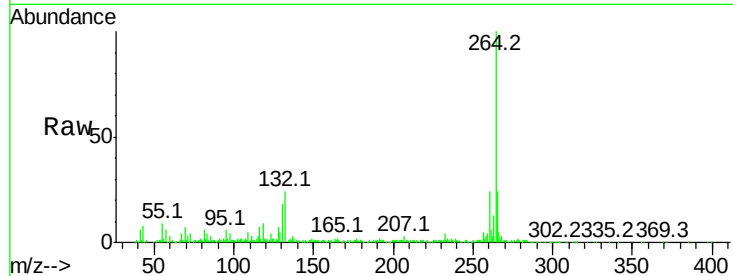
Tot Ion:264 Resp: 310150

Ion Ratio Lower Upper

264 100

260 24.0 19.5 29.3

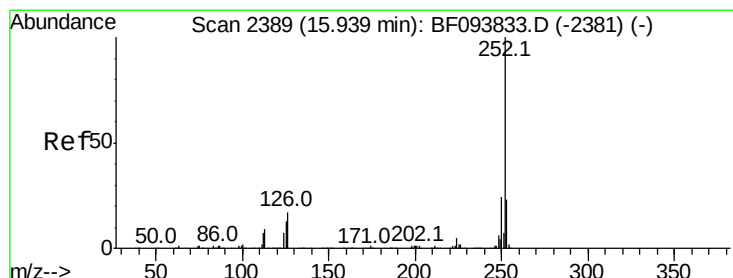
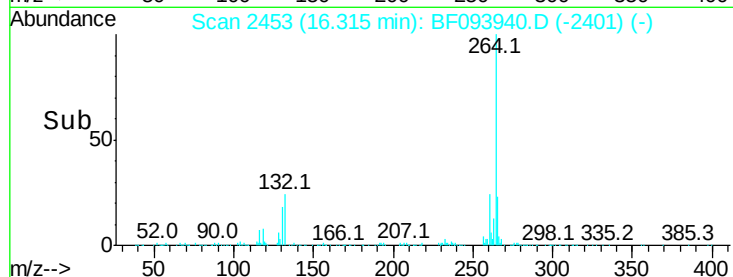
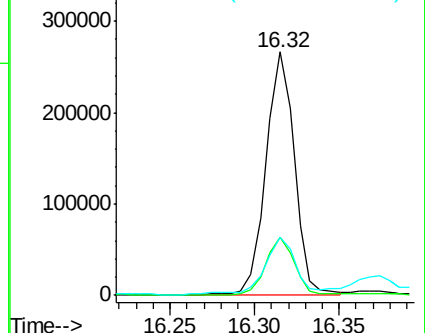
265 23.7 17.2 25.8



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: 60.98 ng

RT: 15.91 min Scan# 2384

Delta R.T. 0.01 min

Lab File: BF093940.D

Acq: 27 Mar 2017 13:21

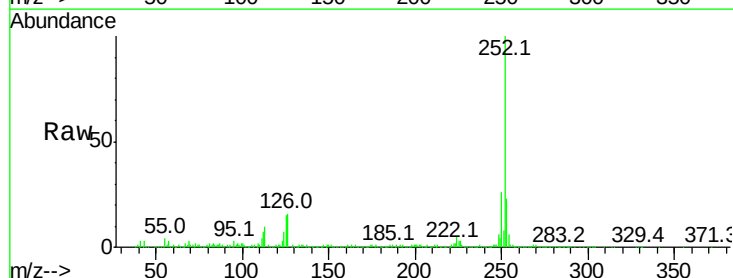
Tgt Ion:252 Resp: 1159378

Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

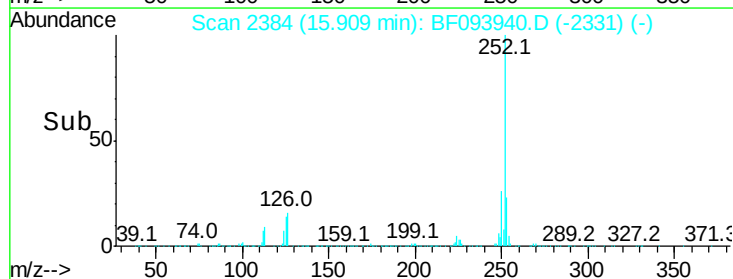
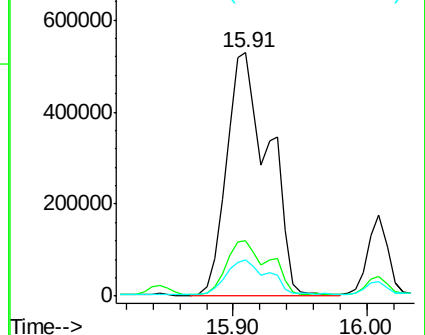
125 14.9 9.8 14.8#



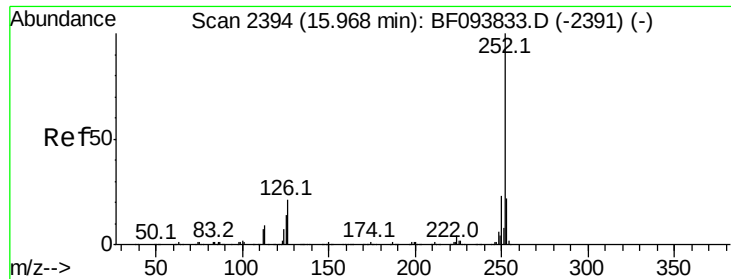
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



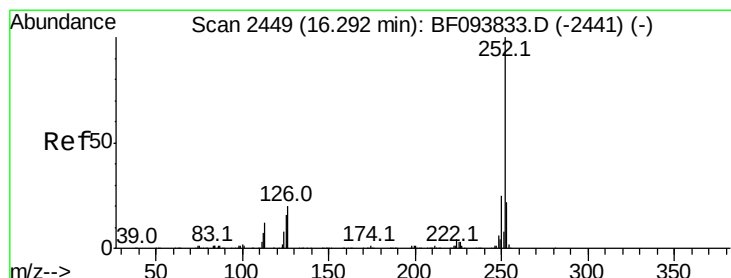
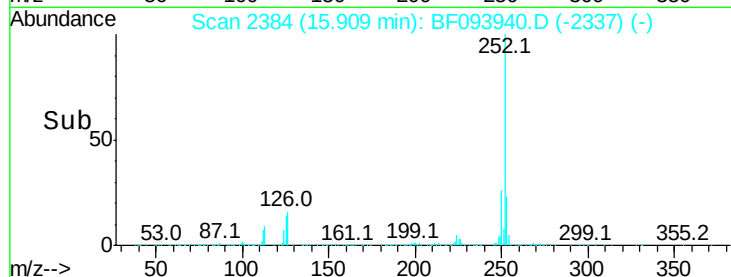
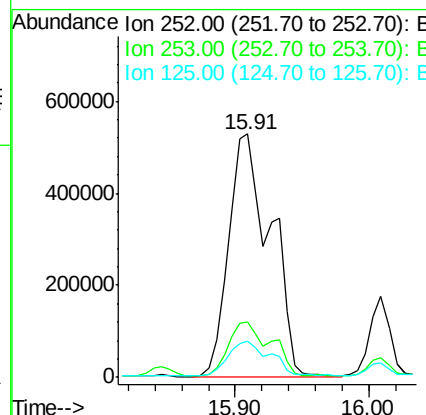
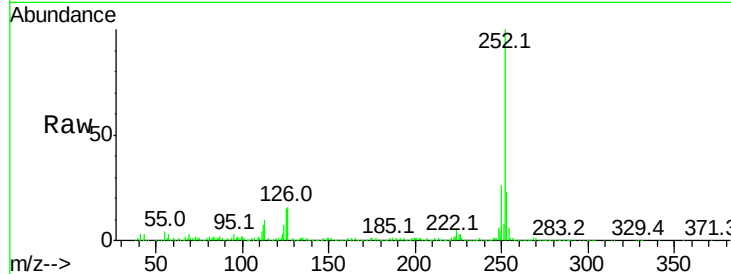




#88  
Benzo(k)fluoranthene  
Concen: 62.33 ng  
RT: 15.91 min Scan# 2384  
Delta R.T. -0.02 min  
Lab File: BF093940.D  
Acq: 27 Mar 2017 13:21

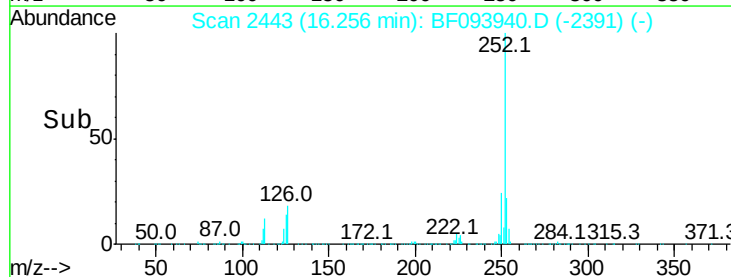
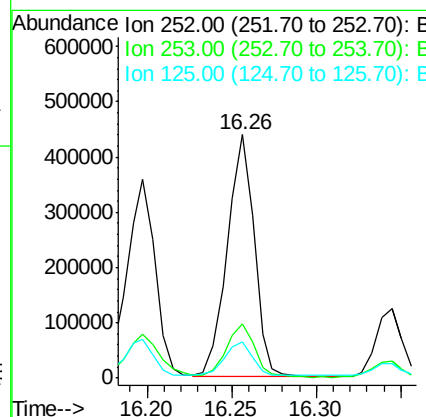
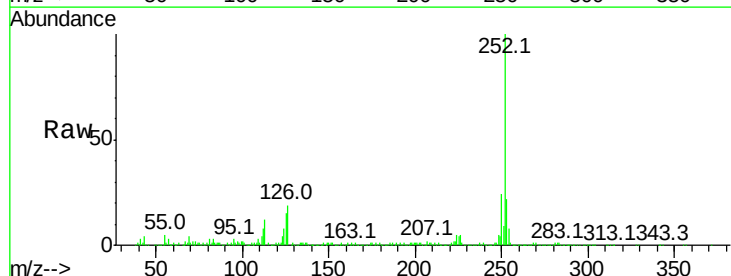
Instrument :  
BNA\_F  
ClientSampleId :  
E2-R13-WSWDL

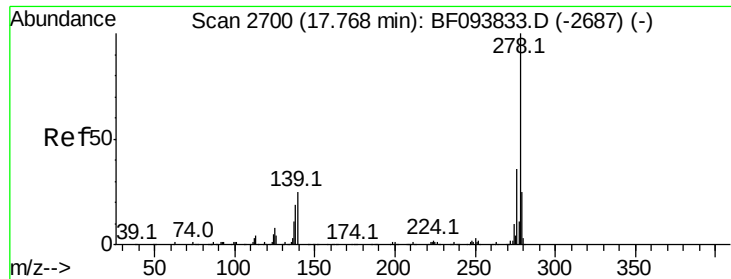
Tot Ion:252 Resp: 1159378  
Ion Ratio Lower Upper  
252 100  
253 22.9 18.4 27.6  
125 14.9 13.1 19.7



#89  
Benzo(a)pyrene  
Concen: 27.89 ng  
RT: 16.26 min Scan# 2443  
Delta R.T. 0.01 min  
Lab File: BF093940.D  
Acq: 27 Mar 2017 13:21

Tgt Ion:252 Resp: 488194  
Ion Ratio Lower Upper  
252 100  
253 22.5 17.5 26.3  
125 14.9 11.0 16.4

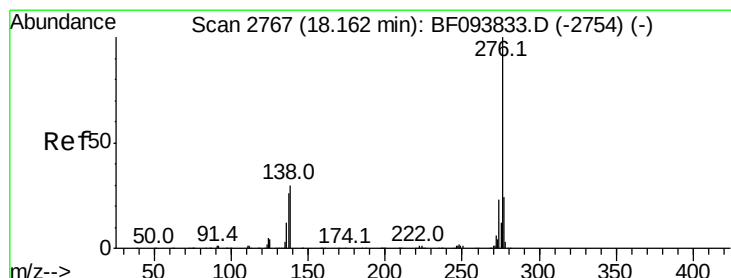
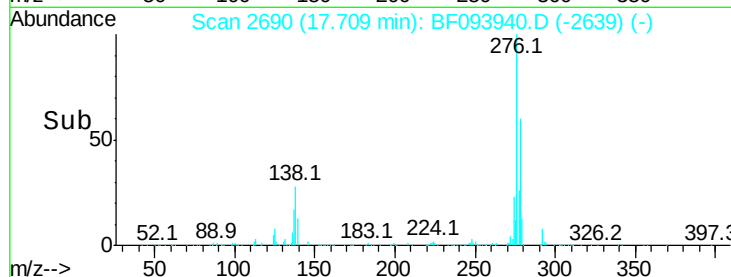
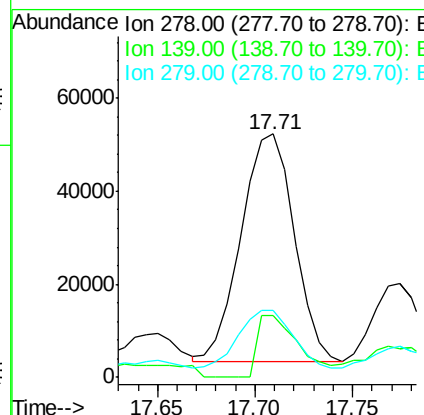
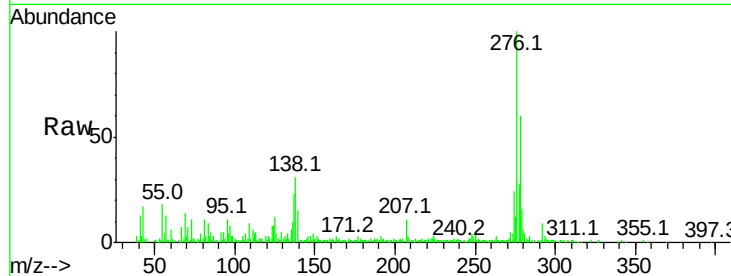




#90  
Dibenzo(a,h)anthracene  
Concen: 6.18 ng  
RT: 17.71 min Scan# 2690  
Delta R.T. -0.00 min  
Lab File: BF093940.D  
Acq: 27 Mar 2017 13:21

Instrument :  
BNA\_F  
ClientSampleId :  
E2-R13-WSWDL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 25.4  | 16.6  | 24.8# |
| 279     | 27.5  | 19.3  | 28.9  |



#91  
Benzo(g,h,i)perylene  
Concen: 19.76 ng  
RT: 18.10 min Scan# 2757  
Delta R.T. 0.01 min  
Lab File: BF093940.D  
Acq: 27 Mar 2017 13:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.6  | 18.6  | 28.0  |
| 138     | 29.7  | 25.4  | 38.0  |

