

Data File : BF093188.D  
Acq On : 25 Feb 2017 13:04  
Operator : SJ/MA  
Sample : I1972-15  
Misc :  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
E2-B1-SW-2

Quant Time: Feb 26 23:42:07 2017  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 17 17:31:55 2017  
Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.83  | 152  | 154969   | 20.00 | ng    | -0.02    |
| 21) Naphthalene-d8        | 8.12  | 136  | 588227   | 20.00 | ng    | -0.02    |
| 38) Acenaphthene-d10      | 9.88  | 164  | 228243   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10      | 11.37 | 188  | 350727   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 14.01 | 240  | 283875   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12          | 15.45 | 264  | 250216   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.44  | 112  | 1170484  | 129.58 | ng    | -0.01    |
| 7) Phenol-d6                | 6.48  | 99   | 1374405  | 118.26 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.40  | 82   | 808942   | 76.58  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.67 | 330  | 195973   | 118.71 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.20  | 172  | 1243168  | 98.68  | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.96 | 244  | 826270   | 68.39  | ng    | -0.01    |

| Target Compounds               | R.T.  | QIon | Response | Conc  | Units | Qvalue |
|--------------------------------|-------|------|----------|-------|-------|--------|
| 10) Phenol                     | 6.49  | 94   | 62522    | 4.60  | ng    | # 69   |
| 19) n-Nitroso-di-n-propylamine | 7.40  | 70   | 107935   | 14.59 | ng    | # 83   |
| 25) Isophorone                 | 7.40  | 82   | 738195   | 37.50 | ng    | # 65   |
| 31) Naphthalene                | 8.14  | 128  | 180358   | 6.05  | ng    | 98     |
| 32) Benzoic acid               | 7.93  | 122  | 3019     | 7.67  | ng    | # 34   |
| 33) 4-Chloroaniline            | 8.14  | 127  | 23437    | 2.00  | ng    | # 33   |
| 37) 2-Methylnaphthalene        | 8.83  | 142  | 63324    | 3.31  | ng    | 97     |
| 48) Acenaphthylene             | 9.73  | 152  | 209479   | 9.38  | ng    | 97     |
| 49) Dimethylphthalate          | 9.60  | 163  | 145300   | 9.45  | ng    | 100    |
| 51) Acenaphthene               | 9.90  | 154  | 48514    | 3.63  | ng    | 97     |
| 53) 2,4-Dinitrophenol          | 10.17 | 184  | 213      | 4.85  | ng    | # 30   |
| 54) Dibenzofuran               | 10.08 | 168  | 85458    | 4.78  | ng    | # 98   |
| 55) 4-Nitrophenol              | 10.08 | 139  | 31157    | 11.39 | ng    | # 8    |
| 57) Fluorene                   | 10.42 | 166  | 87393    | 6.36  | ng    | # 94   |
| 64) 4,6-Dinitro-2-methylphenol | 10.67 | 198  | 419      | 2.85  | ng    | # 1    |
| 66) 4-Bromophenyl-phenylether  | 10.67 | 248  | 15046    | 4.11  | ng    | # 1    |
| 69) Pentachlorophenol          | 11.19 | 266  | 1396     | 7.88  | ng    | # 86   |
| 70) Phenanthrene               | 11.39 | 178  | 981315   | 48.84 | ng    | 99     |
| 71) Anthracene                 | 11.44 | 178  | 350737   | 17.38 | ng    | 98     |
| 72) Carbazole                  | 11.60 | 167  | 93616    | 4.85  | ng    | 99     |
| 74) Fluoranthene               | 12.59 | 202  | 1471874  | 71.01 | ng    | 90     |
| 77) Pyrene                     | 12.82 | 202  | 1353584  | 63.72 | ng    | 99     |
| 80) Benzo(a)anthracene         | 14.01 | 228  | 919716   | 52.97 | ng    | # 92   |
| 82) Chrysene                   | 14.01 | 228  | 919716   | 56.58 | ng    | 96     |
| 83) Bis(2-ethylhexyl)phthalate | 13.99 | 149  | 43136    | 3.66  | ng    | 100    |
| 85) Indeno(1,2,3-cd)pyrene     | 16.85 | 276  | 315616   | 25.07 | ng    | 99     |
| 87) Benzo(b)fluoranthene       | 15.04 | 252  | 1269687  | 77.09 | ng    | # 97   |
| 88) Benzo(k)fluoranthene       | 15.04 | 252  | 1269687  | 89.29 | ng    | # 96   |
| 89) Benzo(a)pyrene             | 15.39 | 252  | 563161   | 39.53 | ng    | 99     |
| 90) Dibenzo(a,h)anthracene     | 16.85 | 278  | 93826    | 8.15  | ng    | # 79   |
| 91) Benzo(g,h,i)perylene       | 17.29 | 276  | 274250   | 23.58 | ng    | # 93   |

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

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ClientSampleId :

E2-B1-SW-2

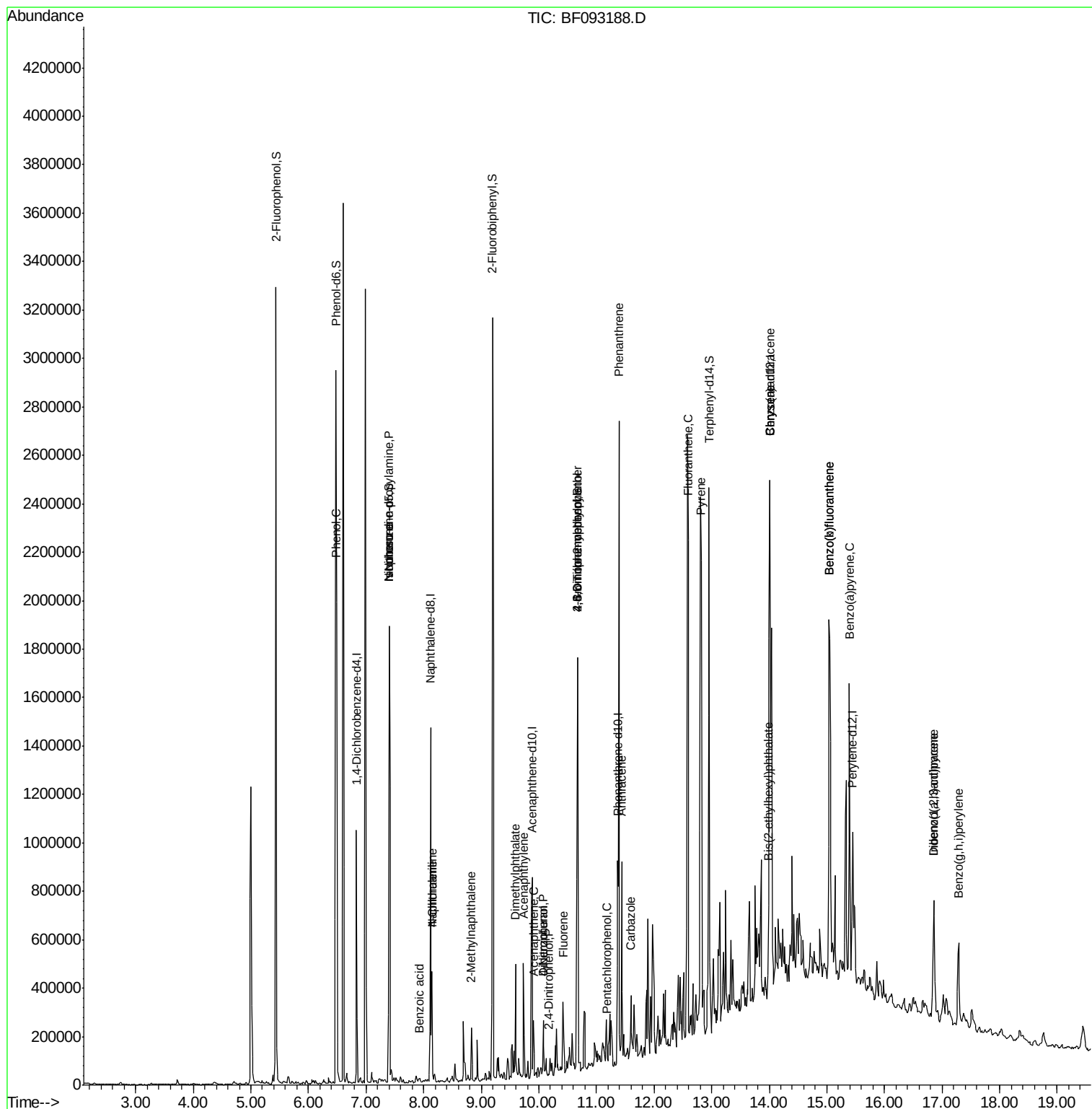
Quant Time: Feb 26 23:42:07 2017

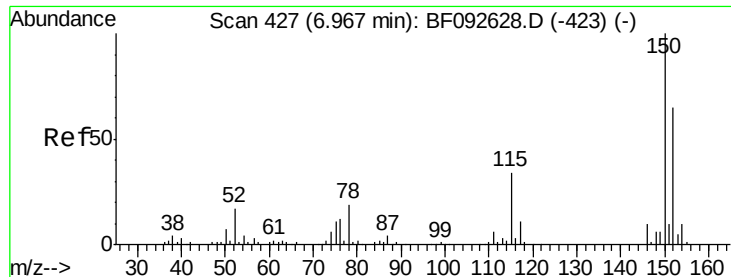
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 17 17:31:55 2017

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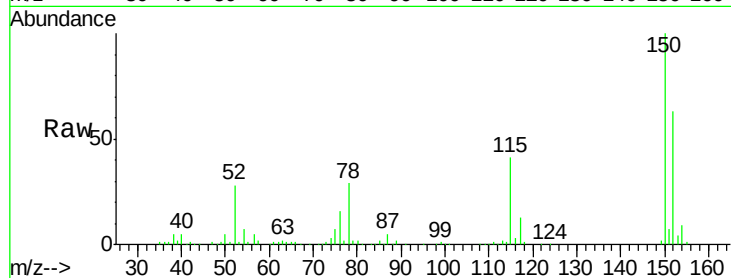


#1

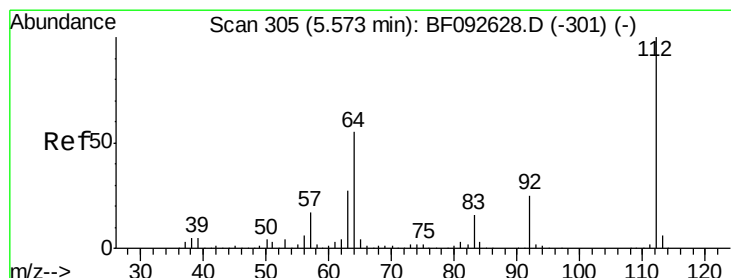
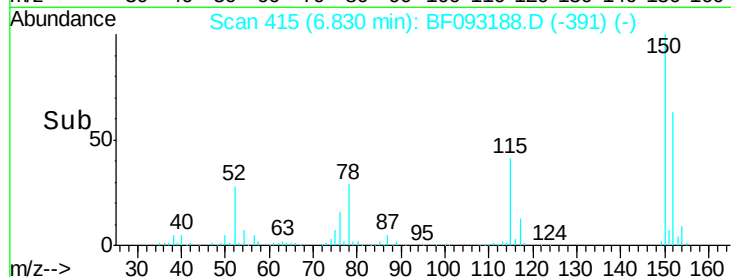
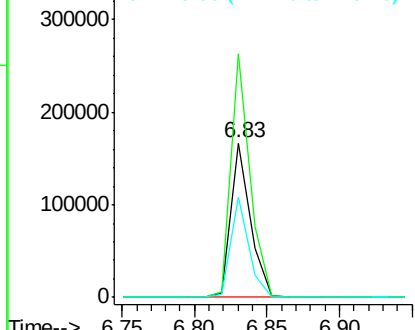
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.83 min Scan# 415  
Delta R.T. -0.02 min  
Lab File: BF093188.D  
Acq: 25 Feb 2017 13:04

Instrument :  
BNA\_F  
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E2-B1-SW-2

Tgt Ion:152 Resp: 154969  
Ion Ratio Lower Upper  
152 100  
150 157.8 124.9 187.3  
115 65.0 46.0 69.0



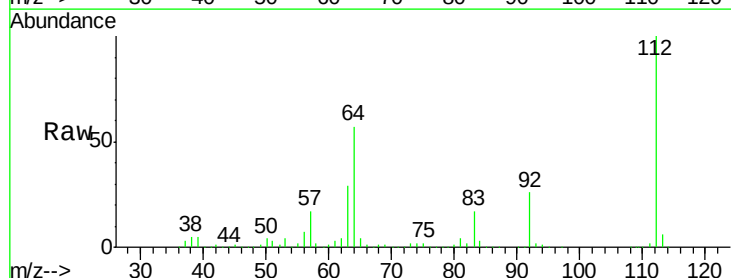
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



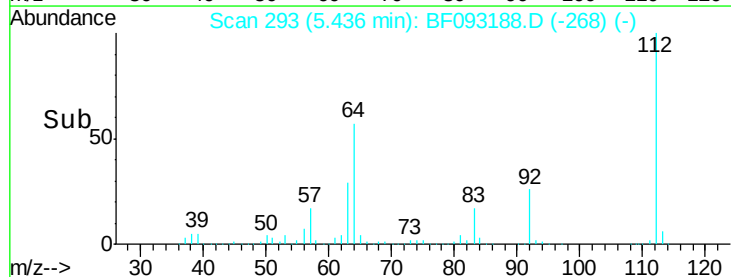
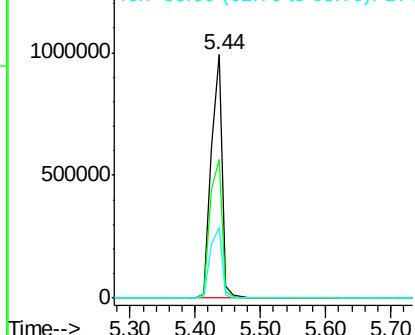
#5

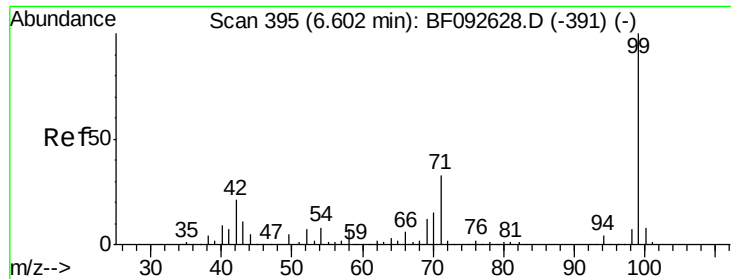
2-Fluorophenol  
Concen: 129.58 ng  
RT: 5.44 min Scan# 293  
Delta R.T. -0.01 min  
Lab File: BF093188.D  
Acq: 25 Feb 2017 13:04

Tgt Ion:112 Resp: 1170484  
Ion Ratio Lower Upper  
112 100  
64 57.1 46.1 69.1  
63 28.8 23.8 35.6



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: 118.26 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

Instrument :

BNA\_F

ClientSampleId :

E2-B1-SW-2

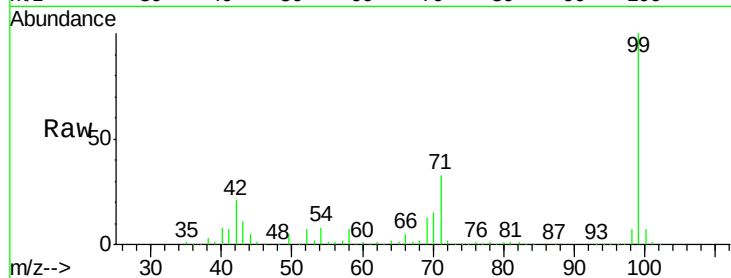
Tgt Ion: 99 Resp: 1374405

Ion Ratio Lower Upper

99 100

42 21.1 15.6 23.4

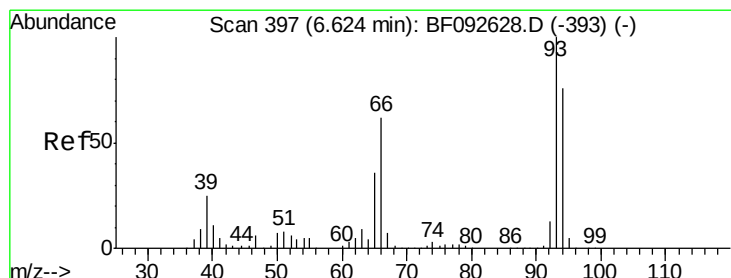
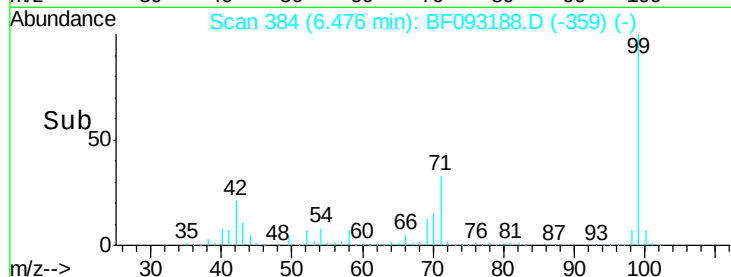
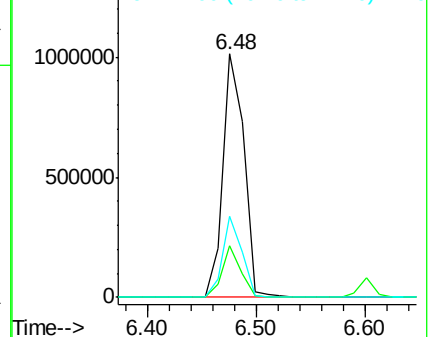
71 33.2 27.5 41.3



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: 4.60 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

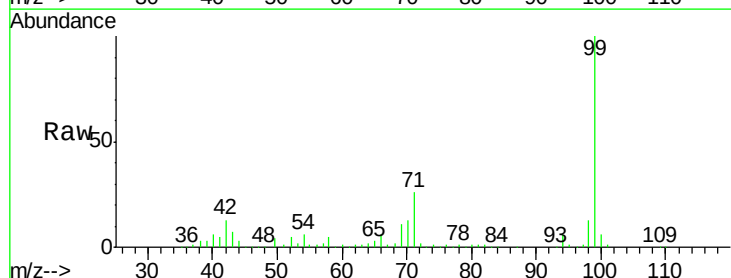
Tgt Ion: 94 Resp: 62522

Ion Ratio Lower Upper

94 100

65 45.8 21.4 61.4

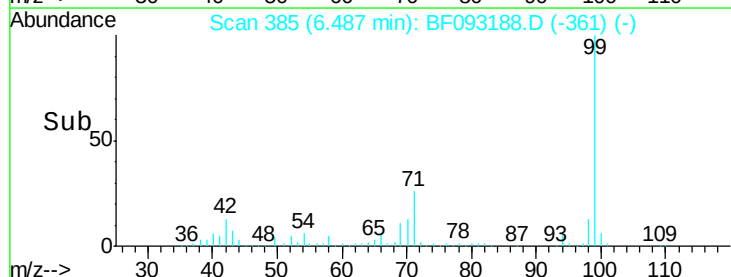
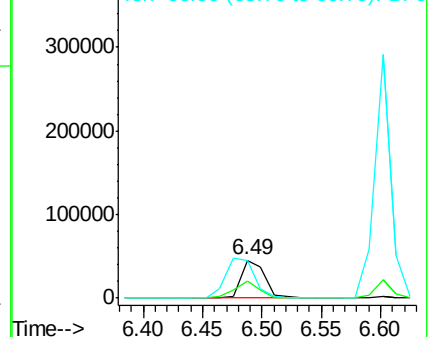
66 100.7 44.0 84.0#

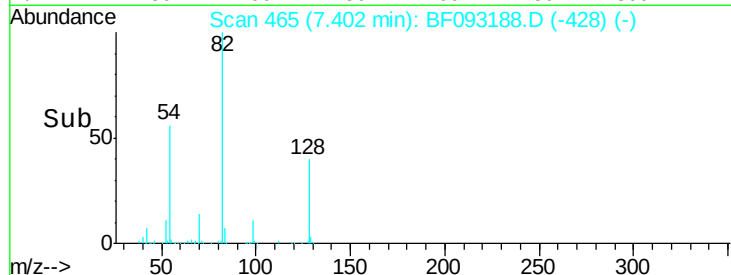
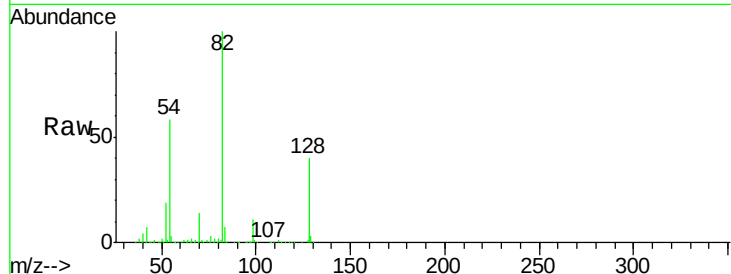
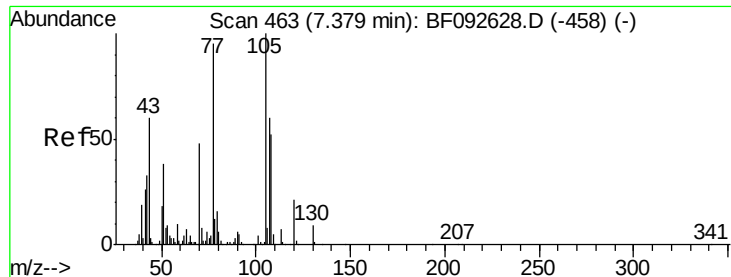


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

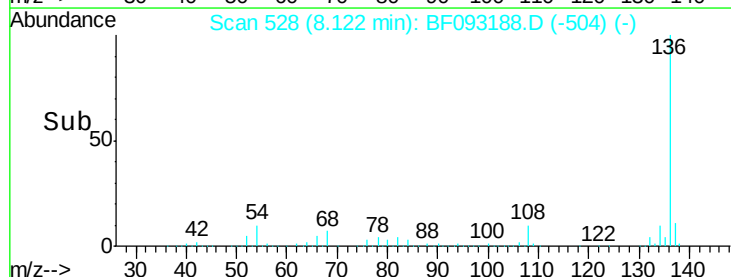
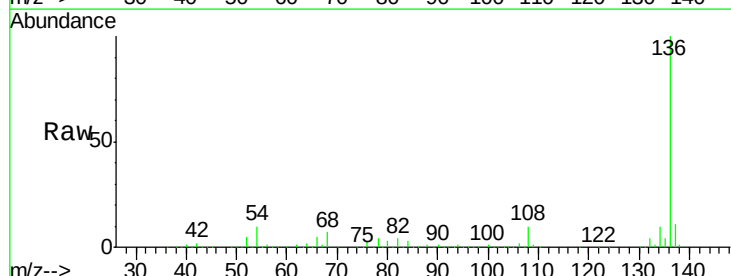
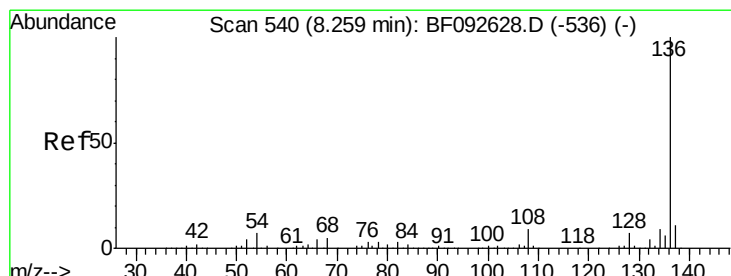
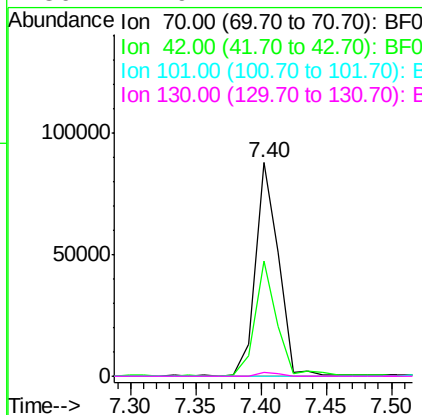




#19  
n-Nitroso-di-n-propylamine  
Concen: 14.59 ng  
RT: 7.40 min Scan# 465  
Delta R.T. 0.13 min  
Lab File: BF093188.D  
Acq: 25 Feb 2017 13:04

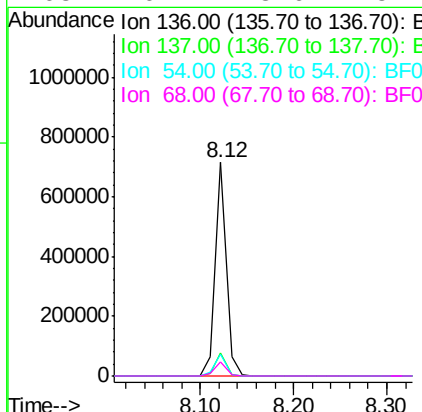
Instrument :  
BNA\_F  
ClientSampleId :  
E2-B1-SW-2

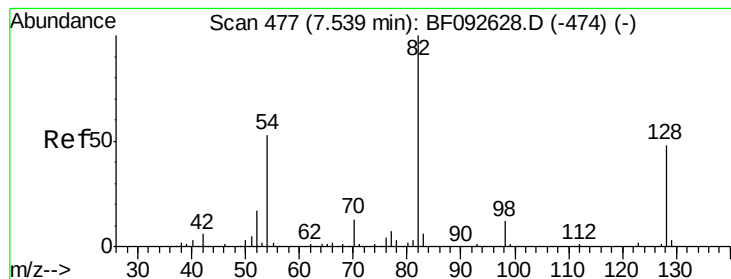
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 70    | Resp: | 107935 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 53.8  | 49.4  | 74.0   |
| 101      | 0.0   | 7.4   | 11.2#  |
| 130      | 1.9   | 14.2  | 21.4#  |



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.12 min Scan# 528  
Delta R.T. -0.02 min  
Lab File: BF093188.D  
Acq: 25 Feb 2017 13:04

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 588227 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.4   | 12.6   |
| 54       | 10.2  | 4.5   | 6.7#   |
| 68       | 6.7   | 3.6   | 5.4#   |





#23

Nitrobenzene-d5

Concen: 76.58 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.02 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

Instrument :

BNA\_F

ClientSampleId :

E2-B1-SW-2

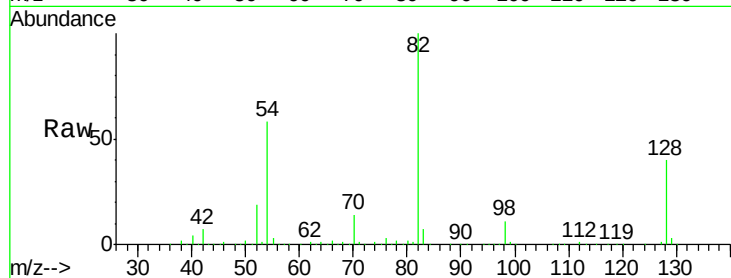
Tgt Ion: 82 Resp: 808942

Ion Ratio Lower Upper

82 100

128 39.6 34.6 52.0

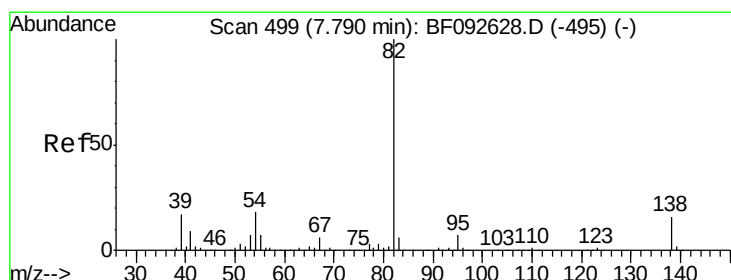
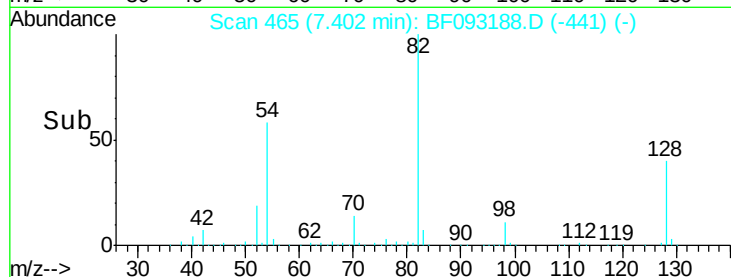
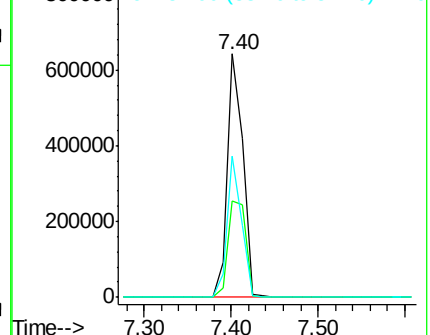
54 58.1 39.5 59.3



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: 37.50 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.29 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

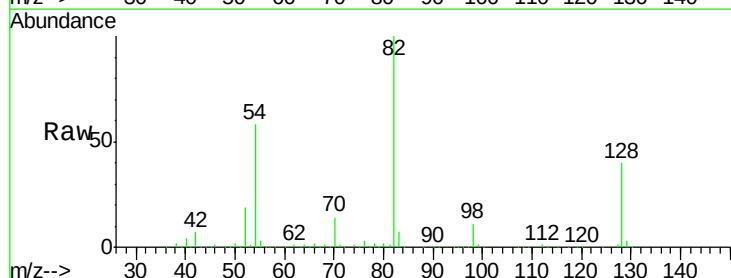
Tgt Ion: 82 Resp: 738195

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

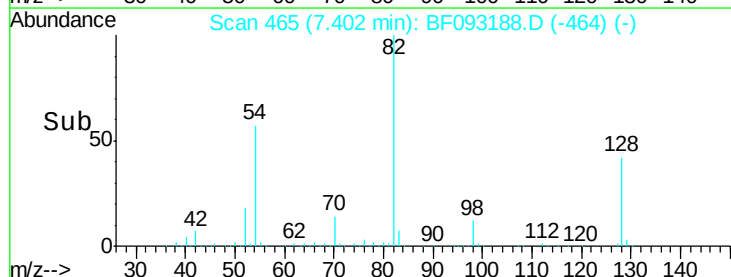
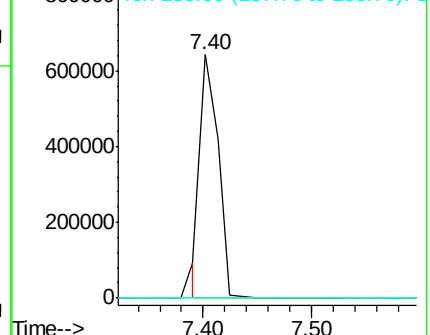
138 0.0 14.6 22.0#

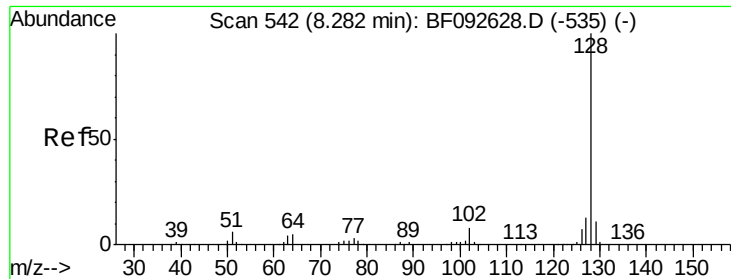


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

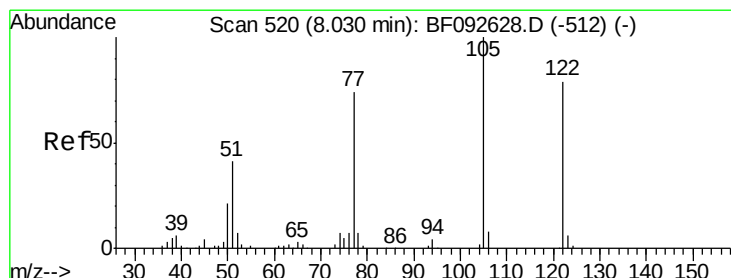
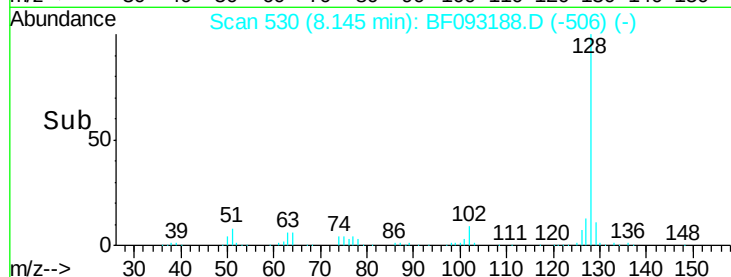
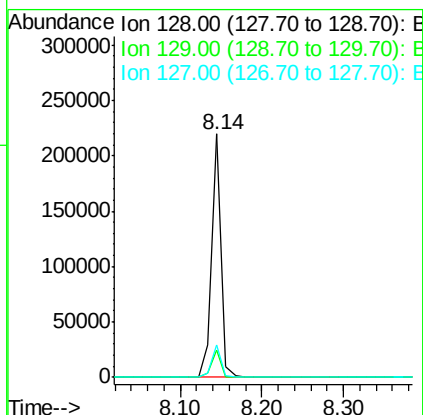
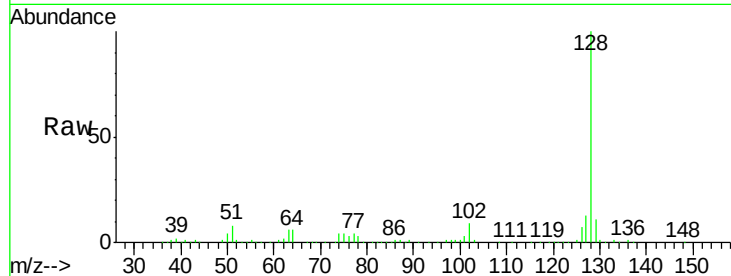




#31  
Naphthalene  
Concen: 6.05 ng  
RT: 8.14 min Scan# 530  
Delta R.T. -0.02 min  
Lab File: BF093188.D  
Acq: 25 Feb 2017 13:04

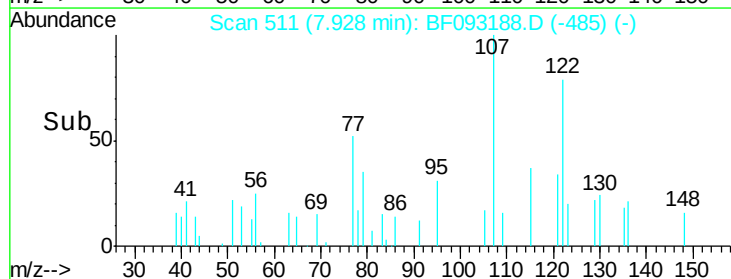
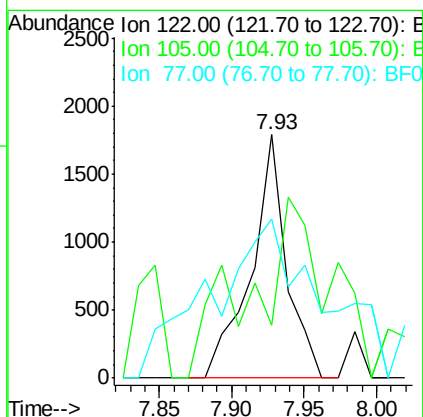
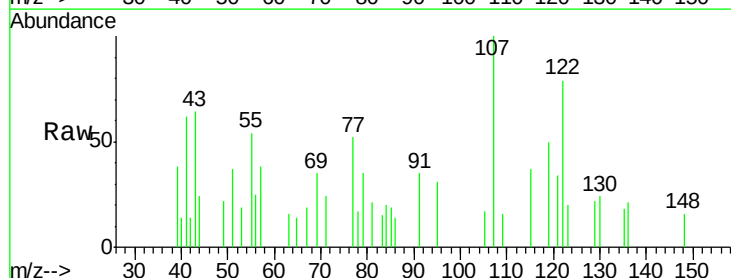
Instrument :  
BNA\_F  
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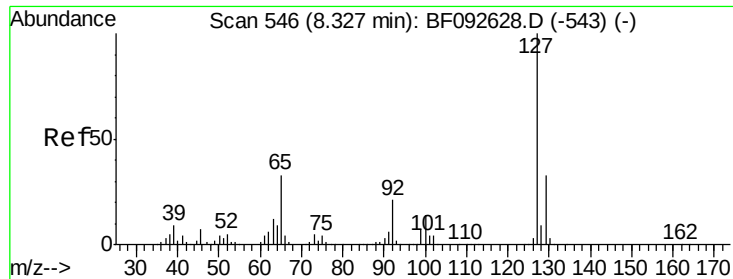
Tgt Ion:128 Resp: 180358  
Ion Ratio Lower Upper  
128 100  
129 11.0 9.5 14.3  
127 13.1 10.8 16.2



#32  
Benzoic acid  
Concen: 7.67 ng  
RT: 7.93 min Scan# 511  
Delta R.T. 0.00 min  
Lab File: BF093188.D  
Acq: 25 Feb 2017 13:04

Tgt Ion:122 Resp: 3019  
Ion Ratio Lower Upper  
122 100  
105 21.5 107.2 147.2#  
77 65.2 74.5 114.5#

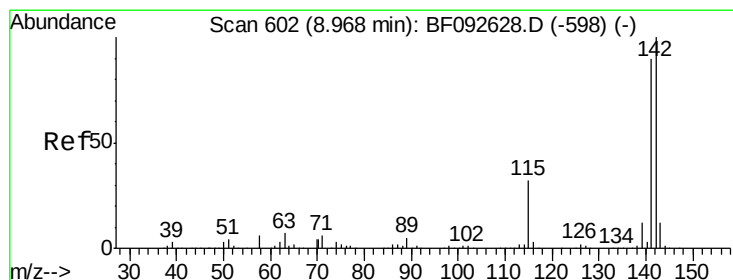
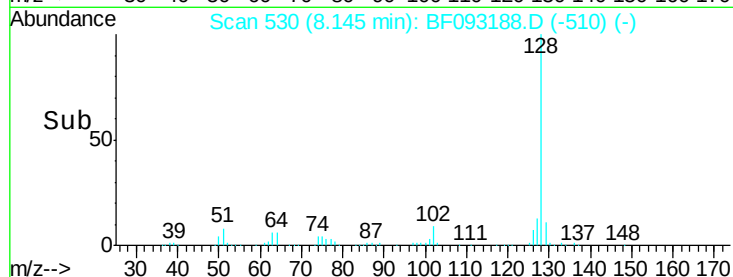
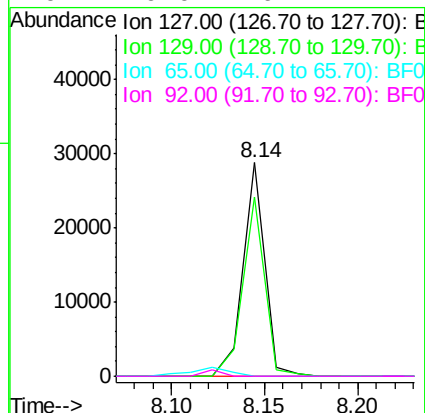
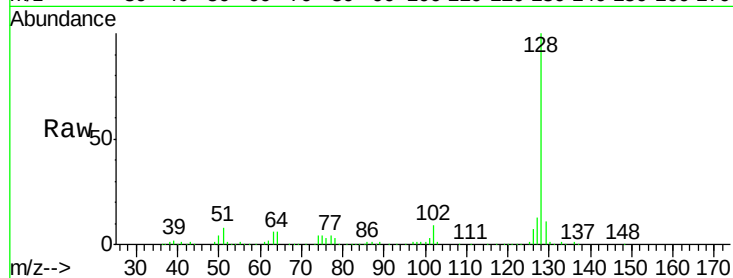




#33  
4-Chloroaniline  
Concen: 2.00 ng  
RT: 8.14 min Scan# 530  
Delta R.T. -0.07 min  
Lab File: BF093188.D  
Acq: 25 Feb 2017 13:04

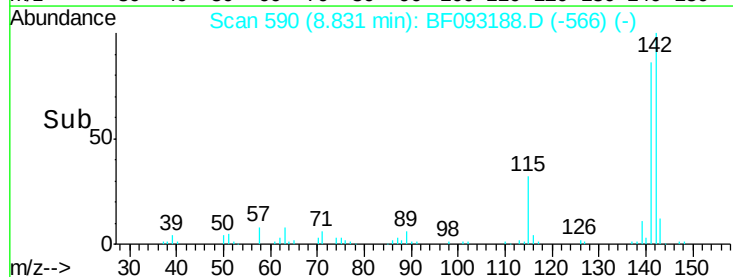
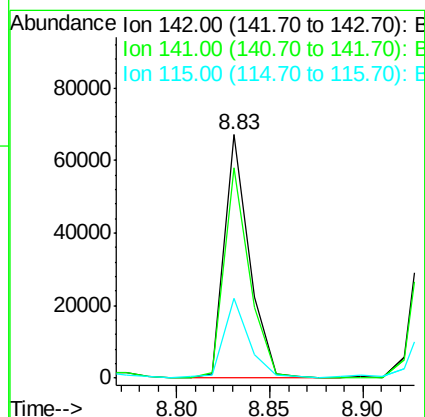
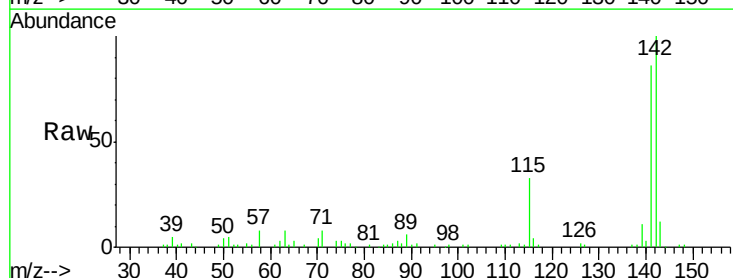
Instrument :  
BNA\_F  
ClientSampleId :  
E2-B1-SW-2

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 127   | Resp: | 23437 |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 84.1  | 26.3  | 39.5# |
| 65       | 0.0   | 25.8  | 38.8# |
| 92       | 0.0   | 16.1  | 24.1# |

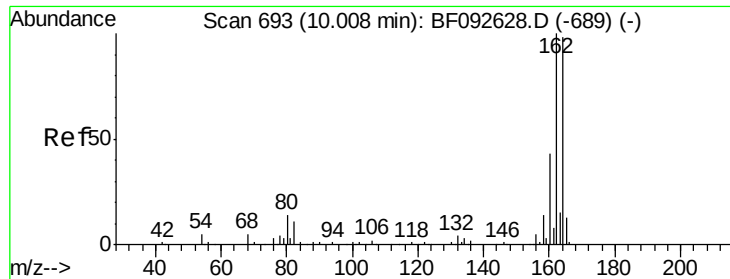


#37  
2-Methylnaphthalene  
Concen: 3.31 ng  
RT: 8.83 min Scan# 590  
Delta R.T. -0.02 min  
Lab File: BF093188.D  
Acq: 25 Feb 2017 13:04

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 63324 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 141      | 86.5  | 71.0  | 106.6 |
| 115      | 32.8  | 28.3  | 42.5  |



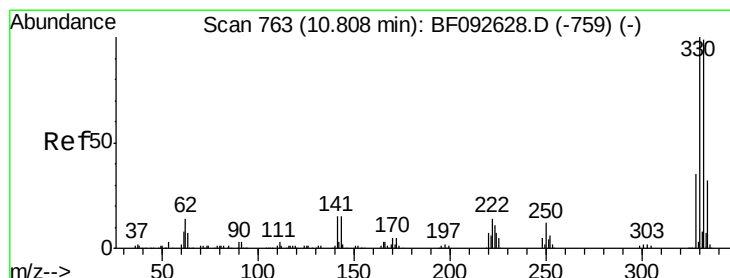
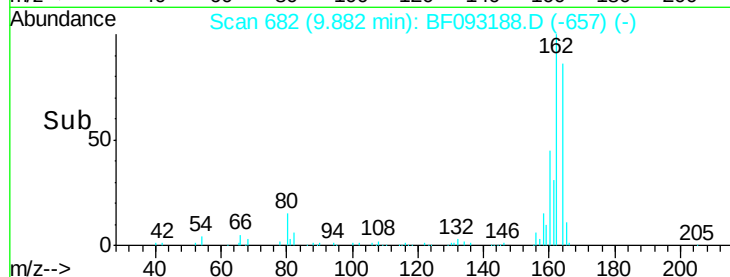
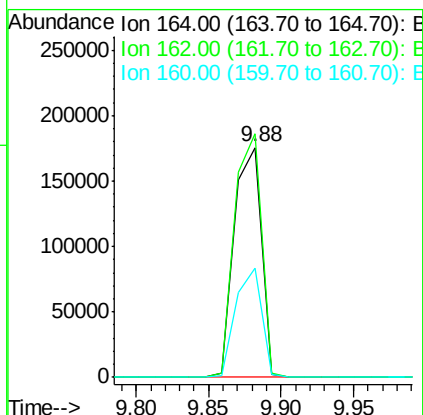
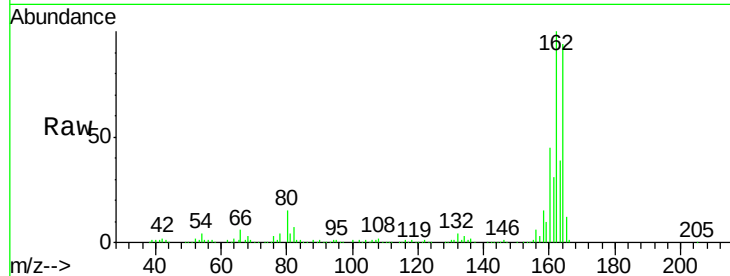




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.88 min Scan# 682  
 Delta R.T. -0.01 min  
 Lab File: BF093188.D  
 Acq: 25 Feb 2017 13:04

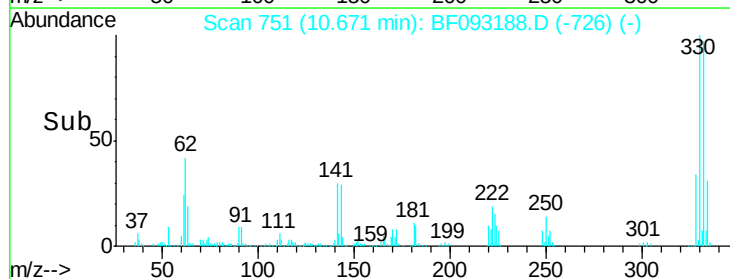
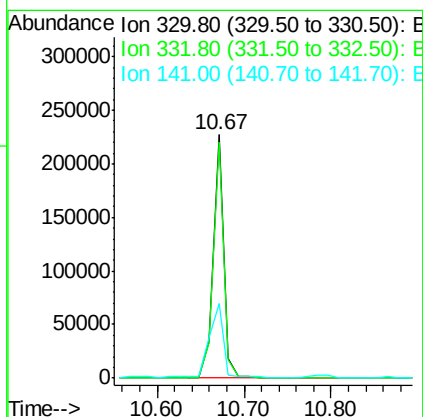
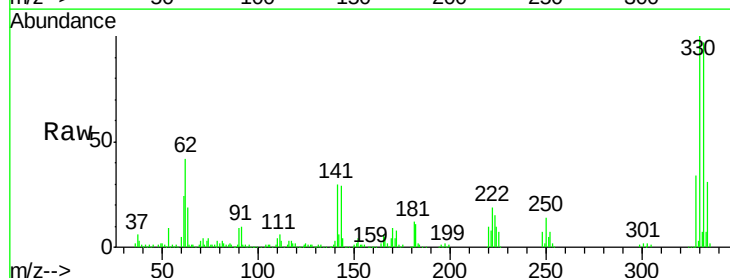
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-B1-SW-2

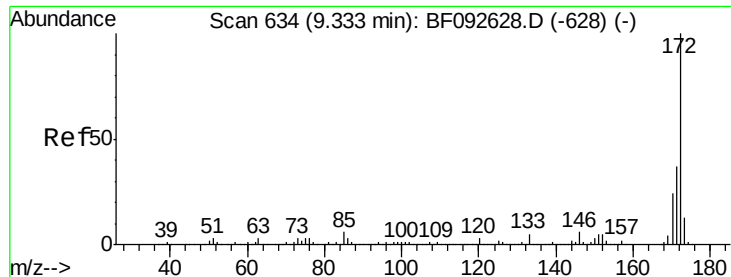
Tgt Ion:164 Resp: 228243  
 Ion Ratio Lower Upper  
 164 100  
 162 106.0 80.2 120.2  
 160 47.7 36.9 55.3



#41  
 2,4,6-Tribromophenol  
 Concen: 118.71 ng  
 RT: 10.67 min Scan# 751  
 Delta R.T. -0.01 min  
 Lab File: BF093188.D  
 Acq: 25 Feb 2017 13:04

Tgt Ion:330 Resp: 195973  
 Ion Ratio Lower Upper  
 330 100  
 332 96.4 77.4 116.2  
 141 40.5 34.1 51.1

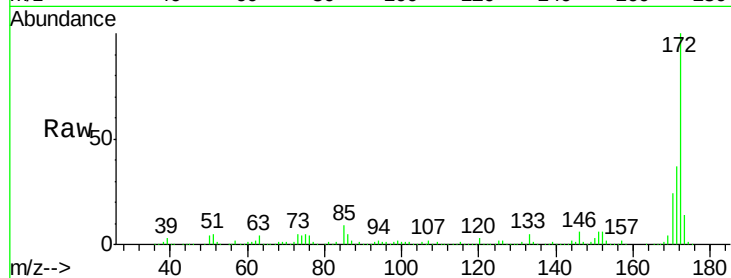




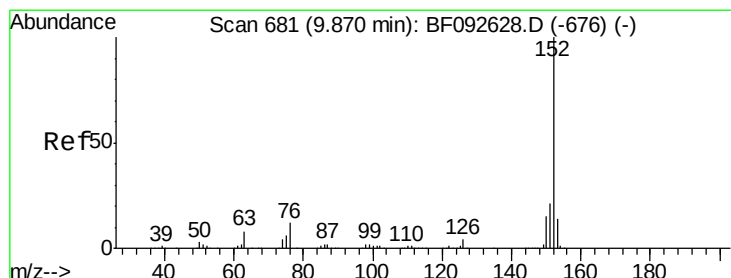
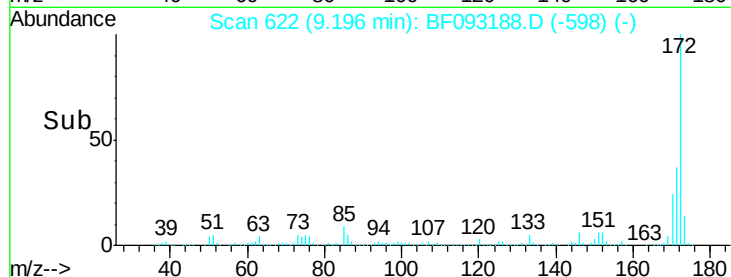
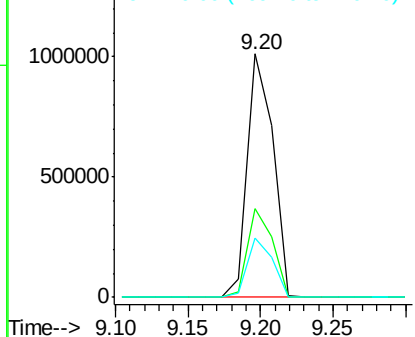
#44  
 2-Fluorobiphenyl  
 Concen: 98.68 ng  
 RT: 9.20 min Scan# 622  
 Delta R.T. -0.02 min  
 Lab File: BF093188.D  
 Acq: 25 Feb 2017 13:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-B1-SW-2

Tgt Ion:172 Resp: 1243168  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 29.4 44.0  
 170 24.3 20.2 30.4

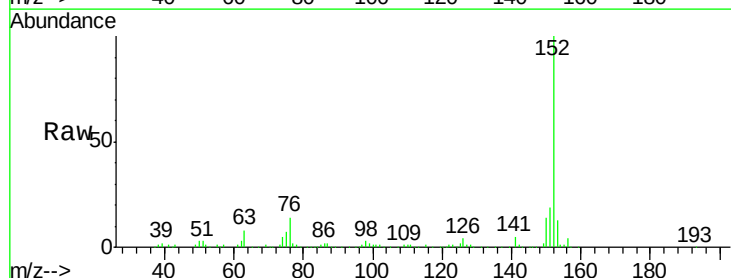


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

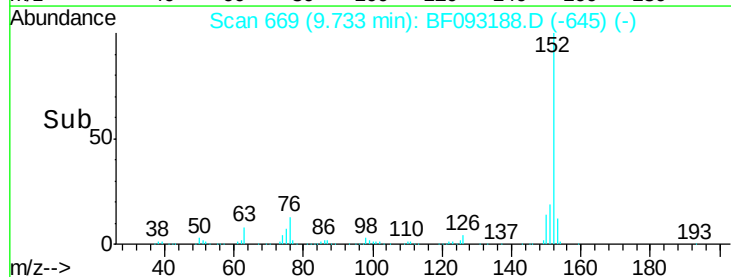
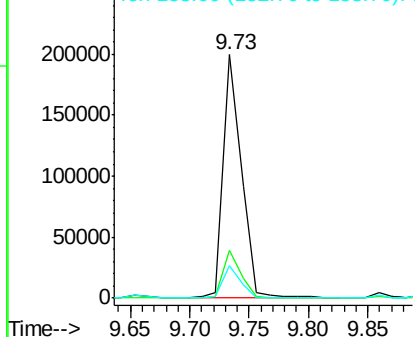


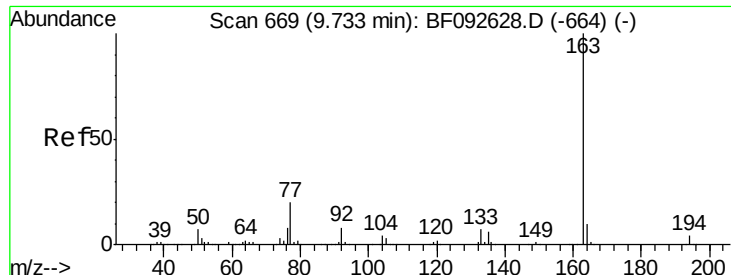
#48  
 Acenaphthylene  
 Concen: 9.38 ng  
 RT: 9.73 min Scan# 669  
 Delta R.T. -0.02 min  
 Lab File: BF093188.D  
 Acq: 25 Feb 2017 13:04

Tgt Ion:152 Resp: 209479  
 Ion Ratio Lower Upper  
 152 100  
 151 19.4 16.9 25.3  
 153 13.3 11.4 17.2



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

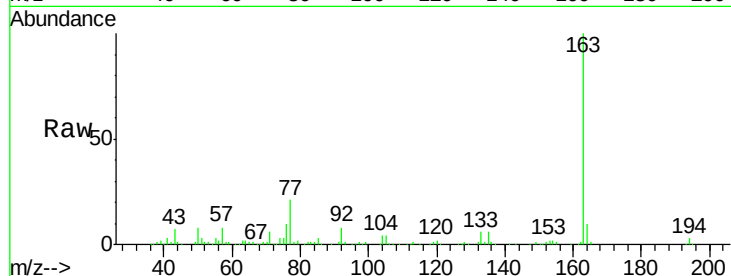




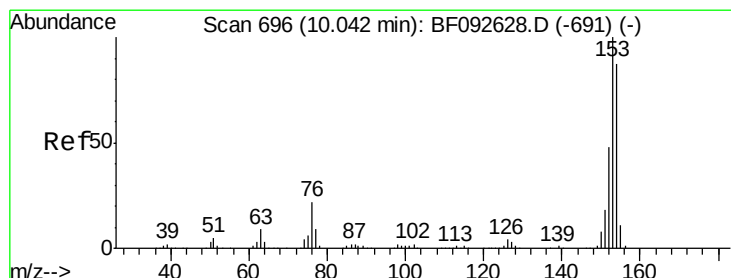
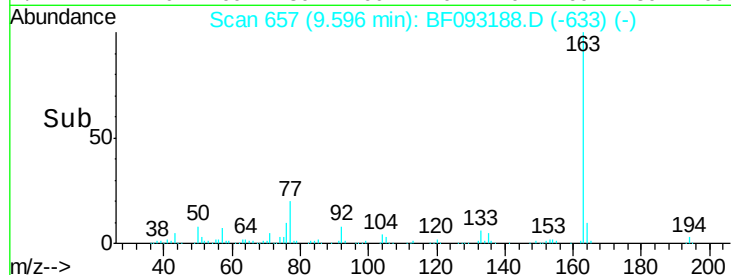
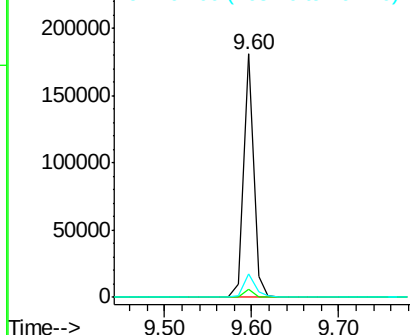
#49  
Dimethylphthalate  
Concen: 9.45 ng  
RT: 9.60 min Scan# 657  
Delta R.T. -0.02 min  
Lab File: BF093188.D  
Acq: 25 Feb 2017 13:04

Instrument :  
BNA\_F  
ClientSampleId :  
E2-B1-SW-2

Tgt Ion:163 Resp: 145300  
Ion Ratio Lower Upper  
163 100  
194 3.5 3.0 4.4  
164 9.9 8.0 12.0

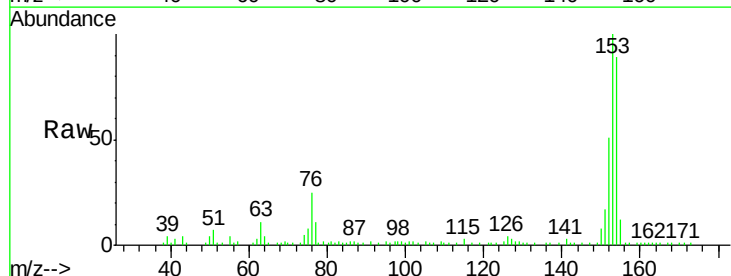


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

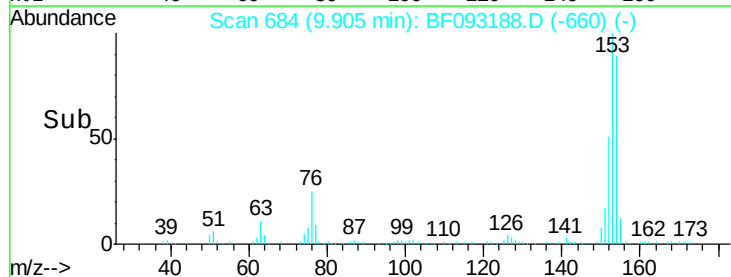
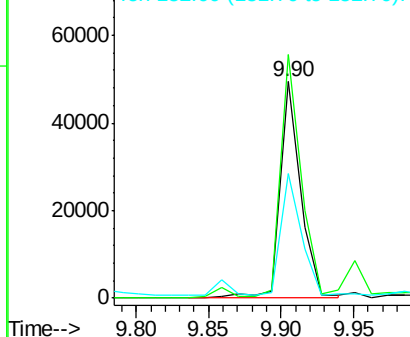


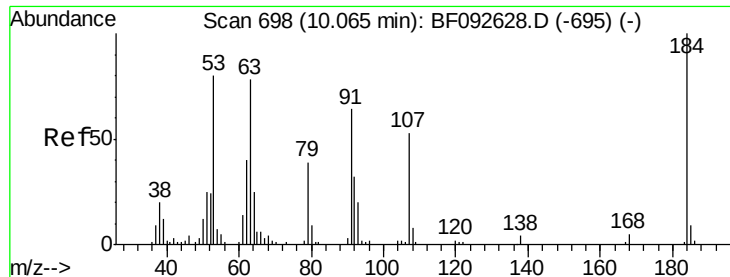
#51  
Acenaphthene  
Concen: 3.63 ng  
RT: 9.90 min Scan# 684  
Delta R.T. -0.02 min  
Lab File: BF093188.D  
Acq: 25 Feb 2017 13:04

Tgt Ion:154 Resp: 48514  
Ion Ratio Lower Upper  
154 100  
153 112.4 88.6 133.0  
152 57.3 41.6 62.4



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

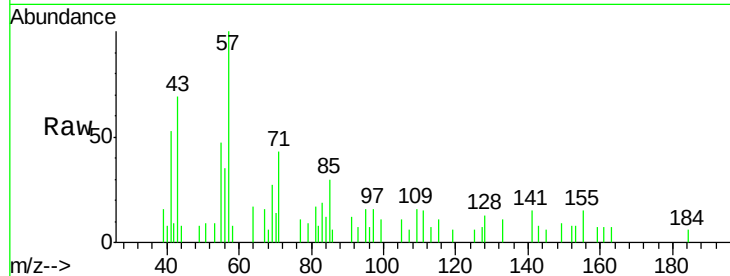




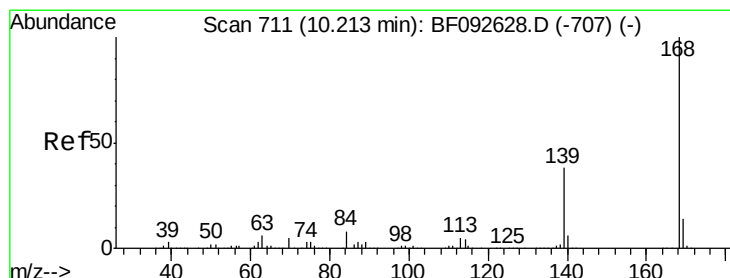
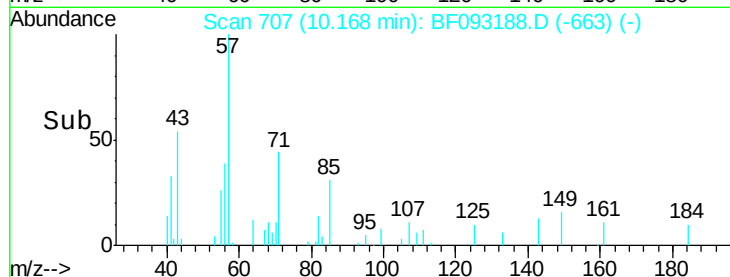
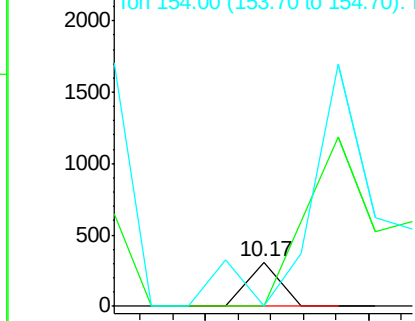
#53  
2,4-Dinitrophenol  
Concen: 4.85 ng  
RT: 10.17 min Scan# 707  
Delta R.T. 0.21 min  
Lab File: BF093188.D  
Acq: 25 Feb 2017 13:04

Instrument :  
BNA\_F  
ClientSampleId :  
E2-B1-SW-2

Tgt Ion:184 Resp: 213  
Ion Ratio Lower Upper  
184 100  
63 0.0 28.4 42.6#  
154 0.0 44.3 66.5#

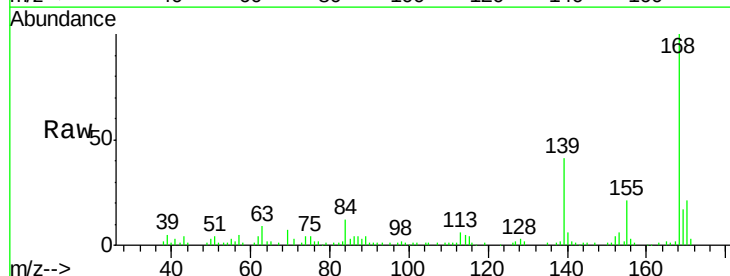


Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BF0  
Ion 154.00 (153.70 to 154.70): E

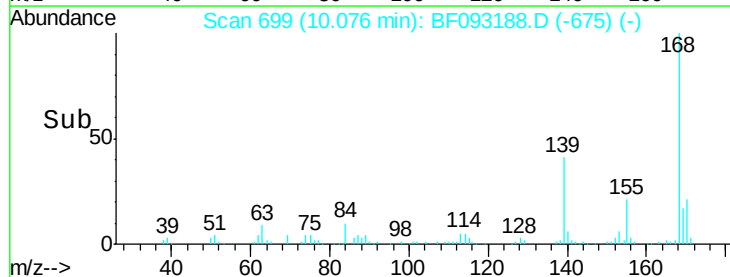
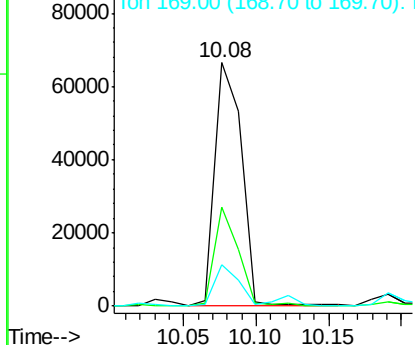


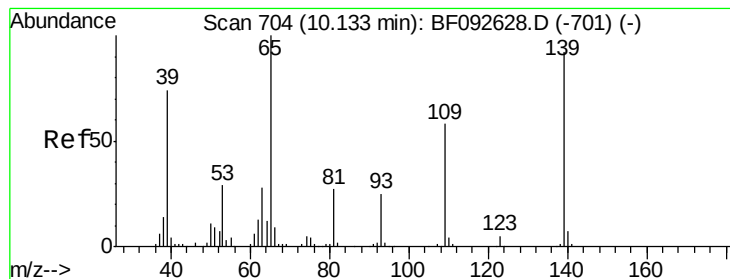
#54  
Dibenzofuran  
Concen: 4.78 ng  
RT: 10.08 min Scan# 699  
Delta R.T. -0.02 min  
Lab File: BF093188.D  
Acq: 25 Feb 2017 13:04

Tgt Ion:168 Resp: 85458  
Ion Ratio Lower Upper  
168 100  
139 40.7 32.6 49.0  
169 17.0 11.3 16.9#



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





#55

4-Nitrophenol

Concen: 11.39 ng

RT: 10.08 min Scan# 699

Delta R.T. 0.06 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

Instrument :

BNA\_F

ClientSampleId :

E2-B1-SW-2

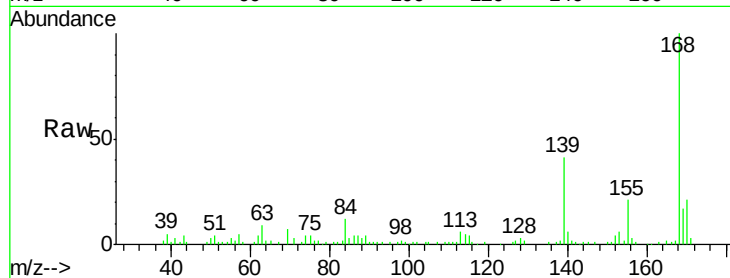
Tgt Ion:139 Resp: 31157

Ion Ratio Lower Upper

139 100

109 3.4 52.2 92.2#

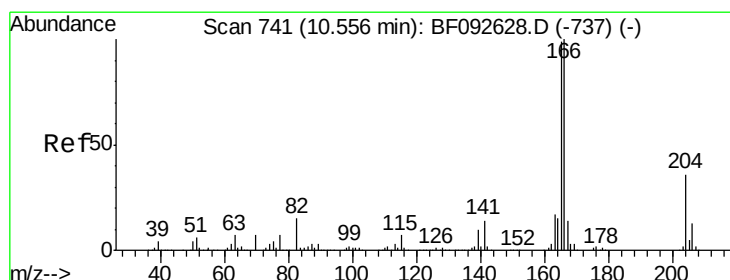
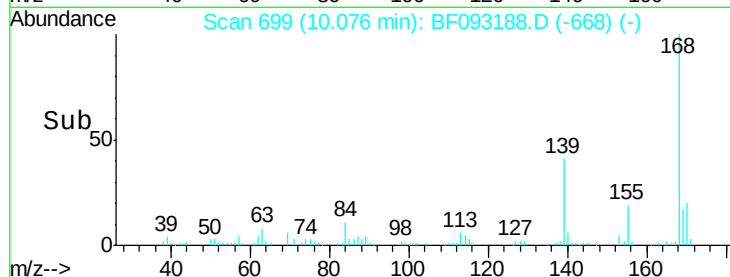
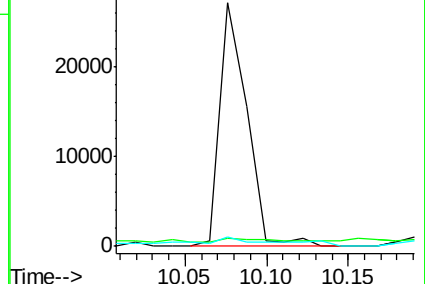
65 4.0 85.8 125.8#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#57

Fluorene

Concen: 6.36 ng

RT: 10.42 min Scan# 729

Delta R.T. -0.02 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

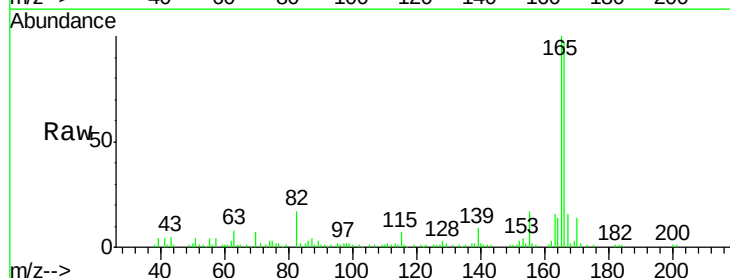
Tgt Ion:166 Resp: 87393

Ion Ratio Lower Upper

166 100

165 102.9 77.8 116.8

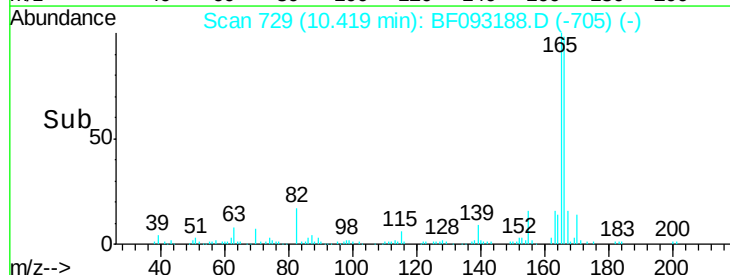
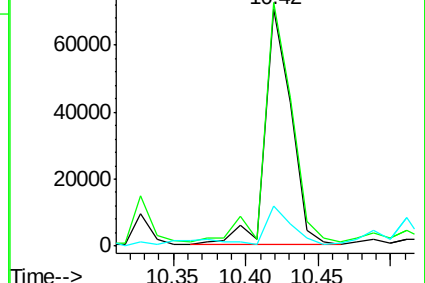
167 16.7 10.8 16.2#

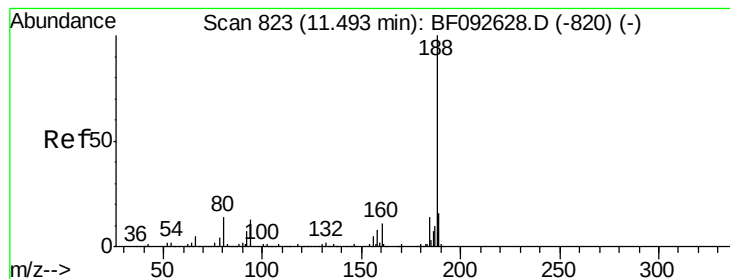


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

Instrument :

BNA\_F

ClientSampleId :

E2-B1-SW-2

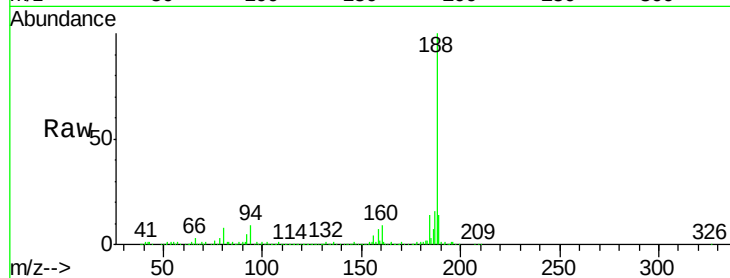
Tgt Ion:188 Resp: 350727

Ion Ratio Lower Upper

188 100

94 8.8 10.0 15.0#

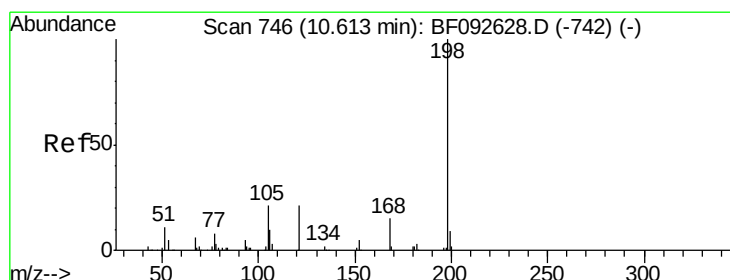
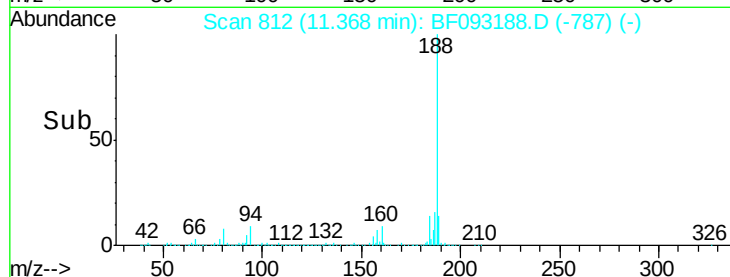
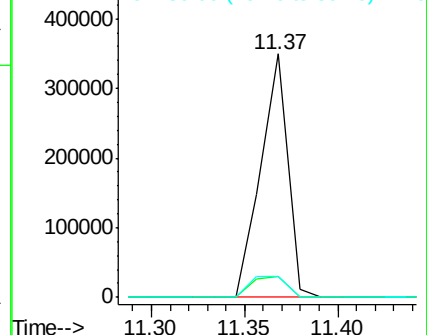
80 8.4 11.2 16.8#



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



#64

4,6-Dinitro-2-methylphenol

Concen: 2.85 ng

RT: 10.67 min Scan# 751

Delta R.T. 0.17 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

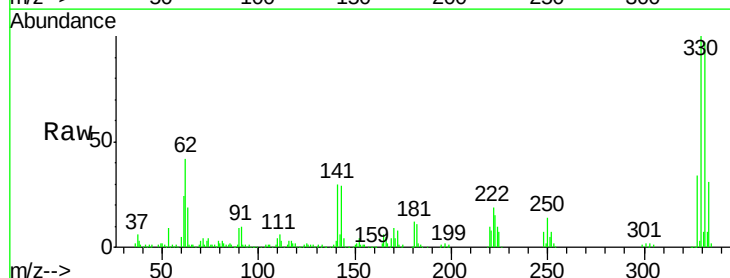
Tgt Ion:198 Resp: 419

Ion Ratio Lower Upper

198 100

51 348.1 6.7 46.7#

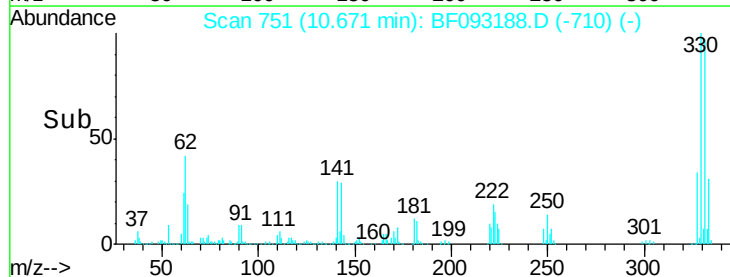
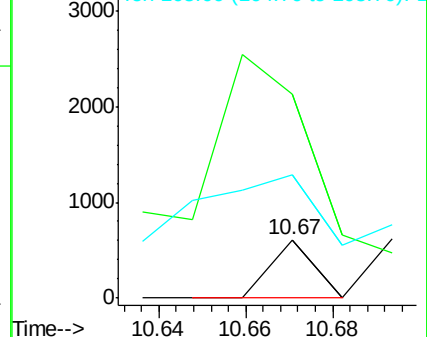
105 211.0 16.6 56.6#

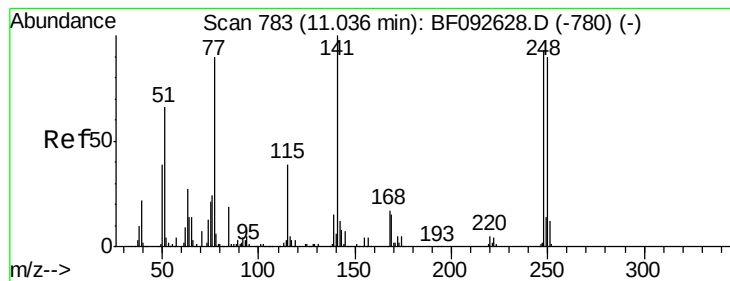


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 4.11 ng

RT: 10.67 min Scan# 751

Delta R.T. -0.25 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

Instrument :

BNA\_F

ClientSampleId :

E2-B1-SW-2

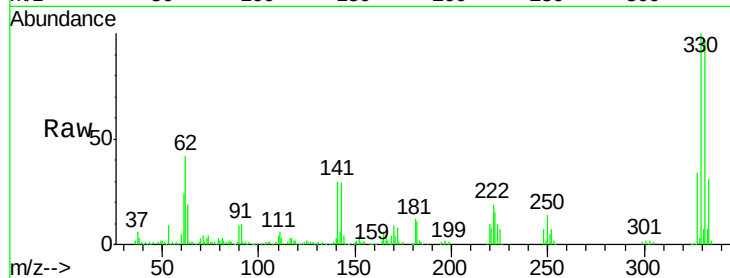
Tgt Ion:248 Resp: 15046

Ion Ratio Lower Upper

248 100

250 187.8 76.9 115.3#

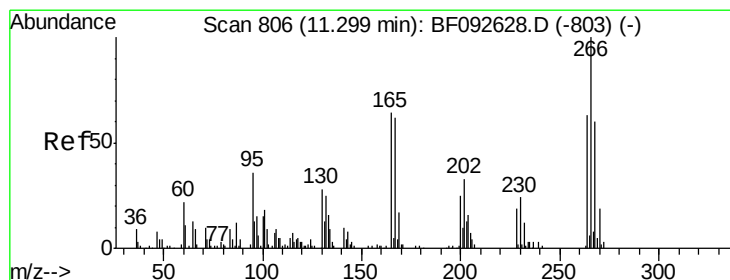
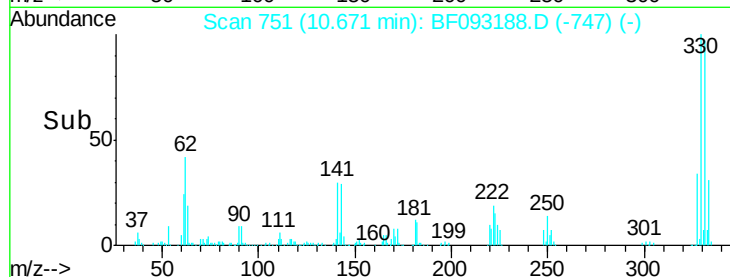
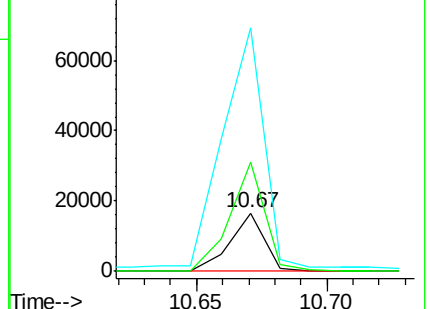
141 417.9 68.2 102.4#



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



#69

Pentachlorophenol

Concen: 7.88 ng

RT: 11.19 min Scan# 796

Delta R.T. 0.00 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

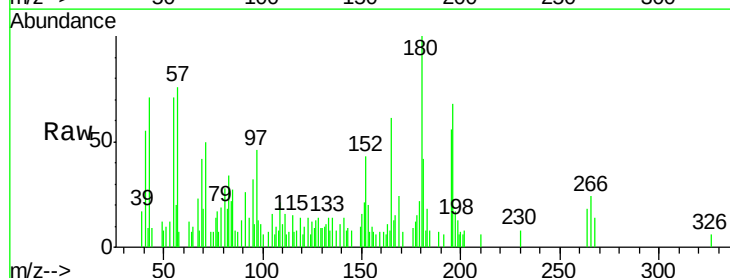
Tgt Ion:266 Resp: 1396

Ion Ratio Lower Upper

266 100

268 57.4 53.3 79.9

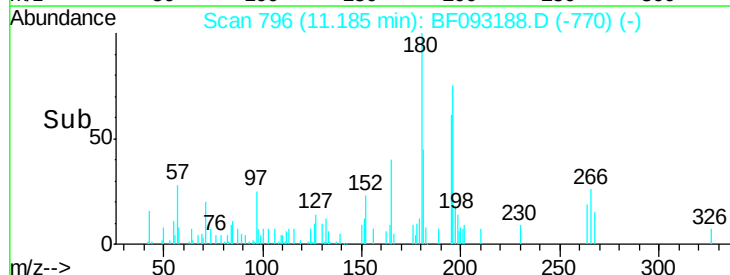
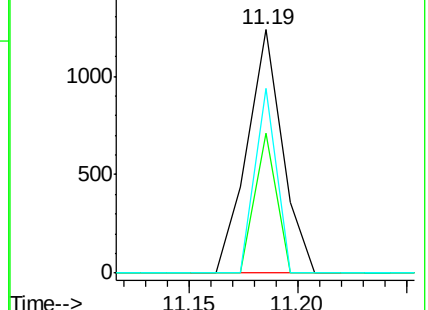
264 75.7 50.3 75.5#

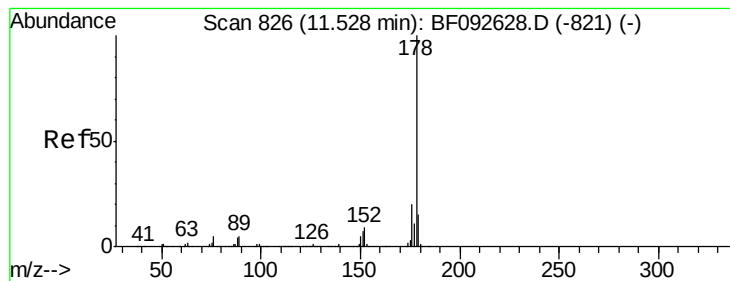


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 48.84 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

Instrument :

BNA\_F

ClientSampleId :

E2-B1-SW-2

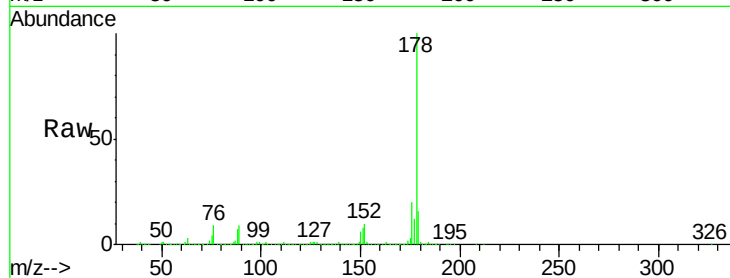
Tgt Ion:178 Resp: 981315

Ion Ratio Lower Upper

178 100

176 20.0 16.6 25.0

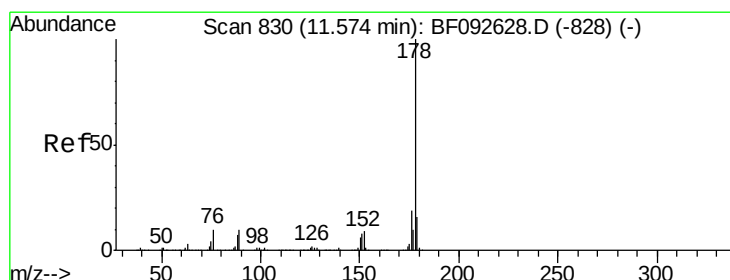
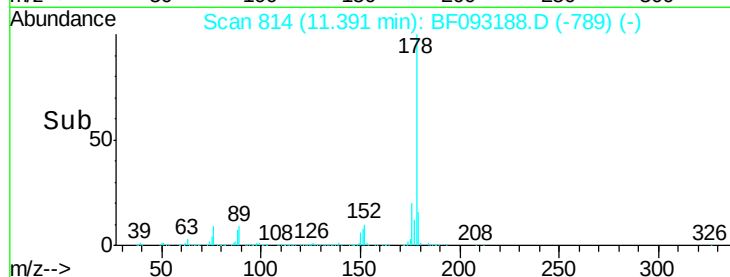
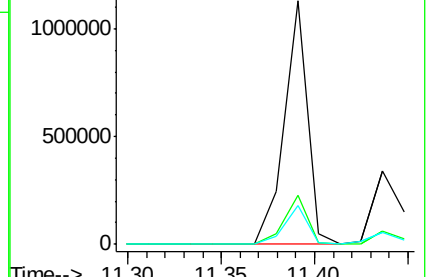
179 15.8 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 17.38 ng

RT: 11.44 min Scan# 818

Delta R.T. -0.02 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

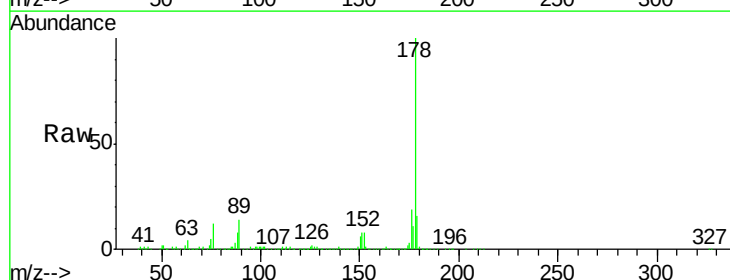
Tgt Ion:178 Resp: 350737

Ion Ratio Lower Upper

178 100

176 18.9 15.9 23.9

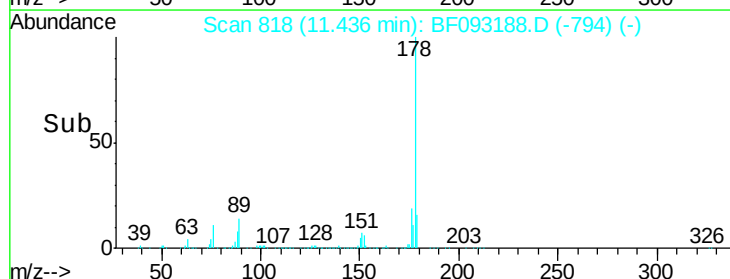
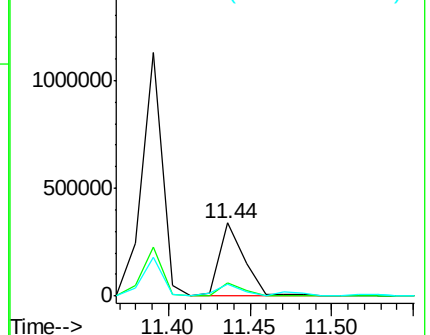
179 16.1 13.2 19.8



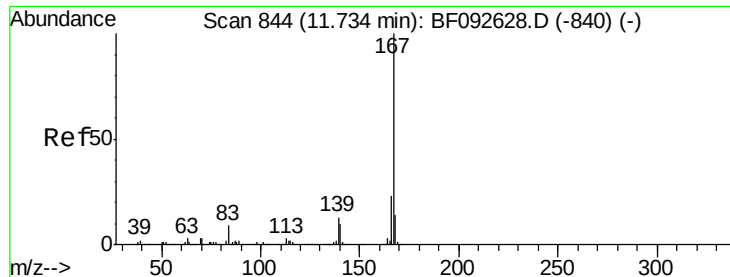
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E







#72

Carbazole

Concen: 4.85 ng

RT: 11.60 min Scan# 832

Delta R.T. -0.01 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

Instrument :

BNA\_F

ClientSampleId :

E2-B1-SW-2

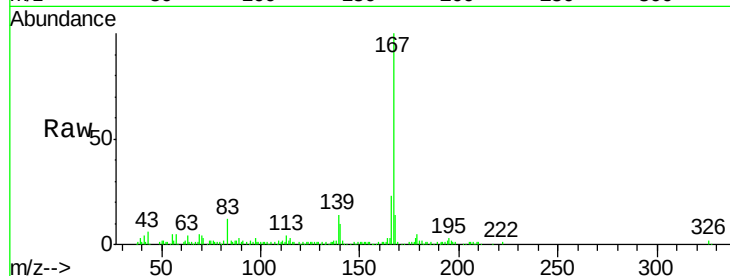
Tgt Ion:167 Resp: 93616

Ion Ratio Lower Upper

167 100

166 23.1 18.2 27.2

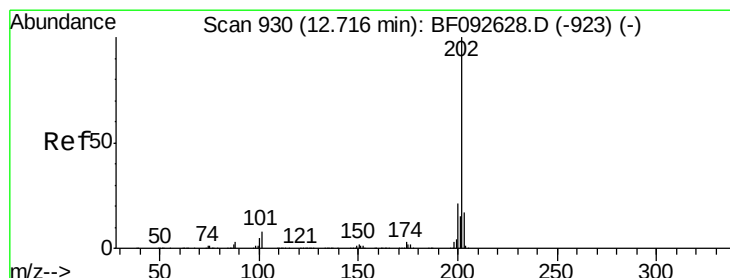
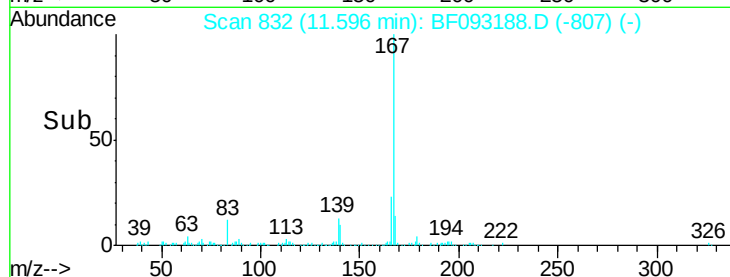
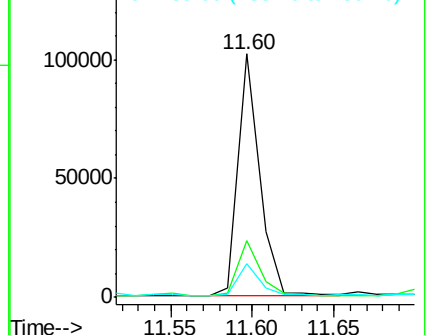
139 13.8 11.4 17.2



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: 71.01 ng

RT: 12.59 min Scan# 919

Delta R.T. 0.00 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

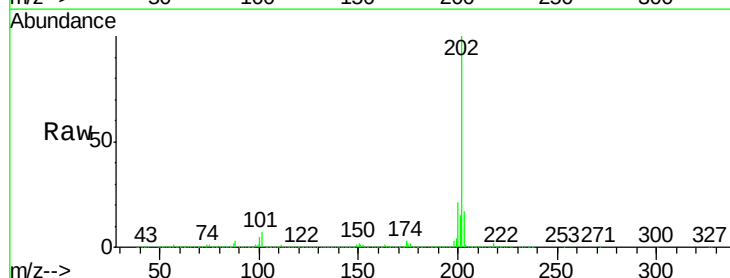
Tgt Ion:202 Resp: 1471874

Ion Ratio Lower Upper

202 100

101 7.3 0.0 34.6

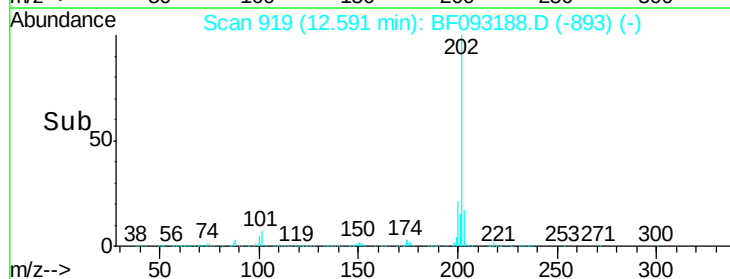
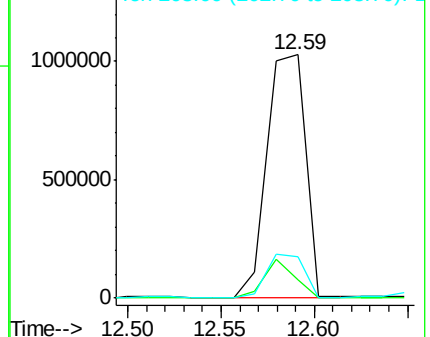
203 17.0 0.0 38.7

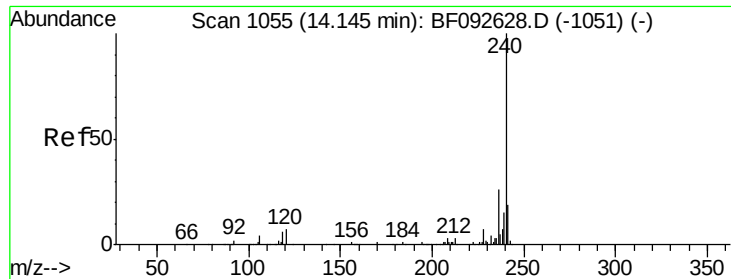


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.01 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

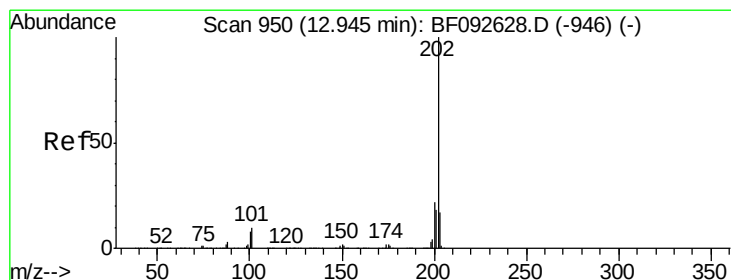
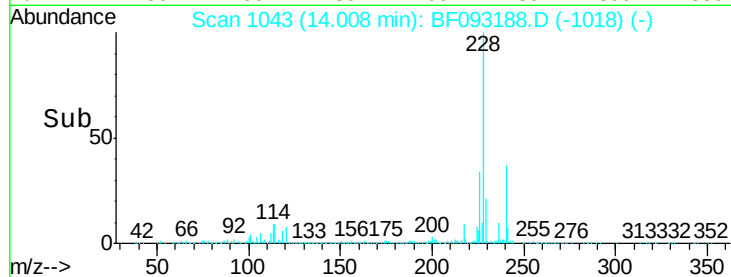
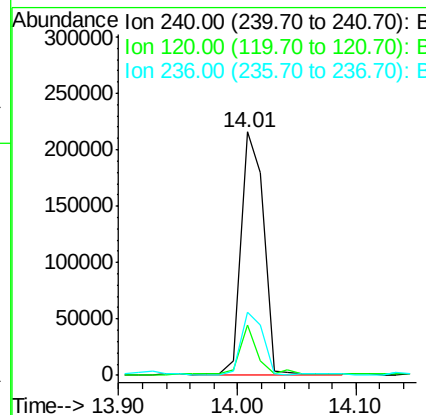
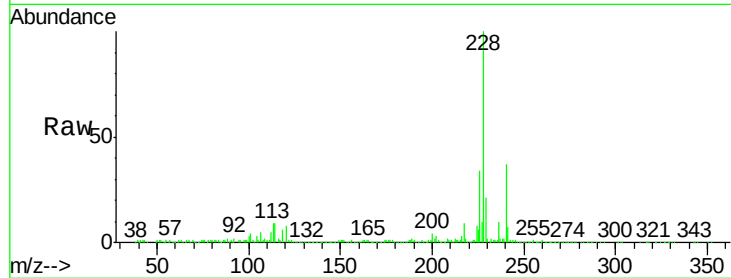
Instrument :

BNA\_F

ClientSampleId :

E2-B1-SW-2

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 240   | Resp: | 283875 |
| Ion      | Ratio | Lower | Upper  |
| 240      | 100   |       |        |
| 120      | 20.8  | 12.9  | 19.3#  |
| 236      | 26.0  | 20.9  | 31.3   |



#77

Pyrene

Concen: 63.72 ng

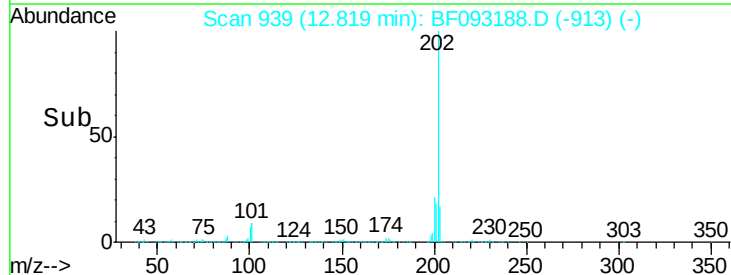
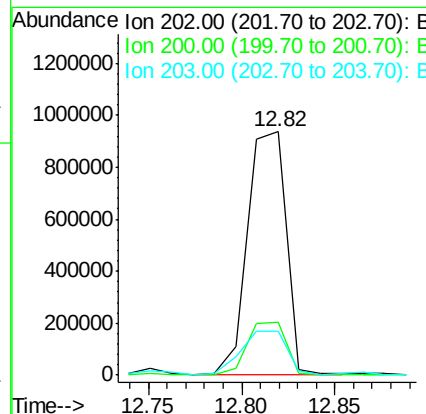
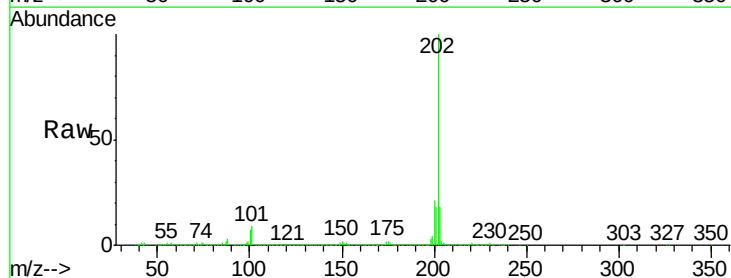
RT: 12.82 min Scan# 939

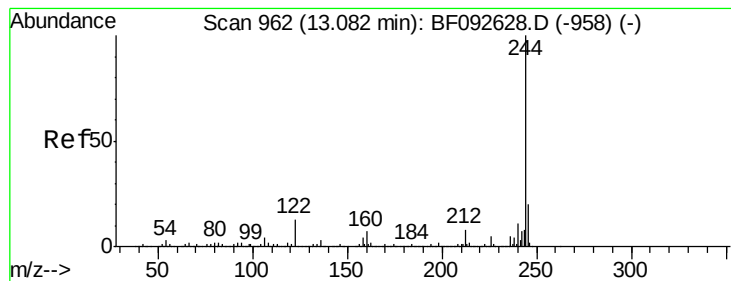
Delta R.T. 0.00 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 202   | Resp: | 1353584 |
| Ion      | Ratio | Lower | Upper   |
| 202      | 100   |       |         |
| 200      | 21.5  | 17.7  | 26.5    |
| 203      | 18.0  | 14.7  | 22.1    |





#78

Terphenyl-d14

Concen: 68.39 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

Instrument :

BNA\_F

ClientSampleId :

E2-B1-SW-2

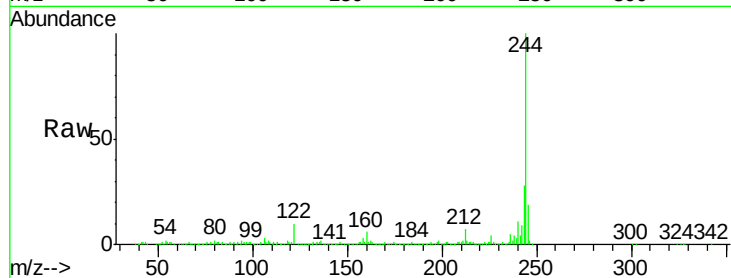
Tgt Ion:244 Resp: 826270

Ion Ratio Lower Upper

244 100

212 6.9 6.2 9.2

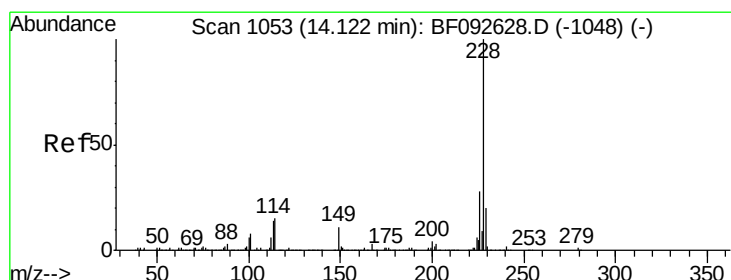
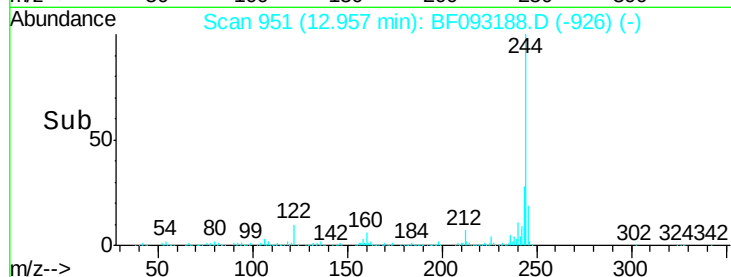
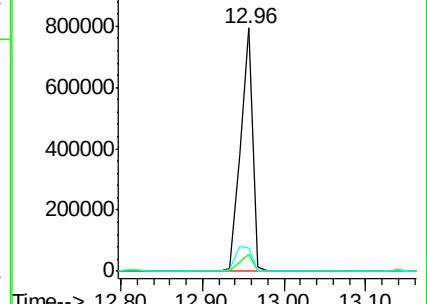
122 9.9 11.4 17.2#



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: 52.97 ng

RT: 14.01 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

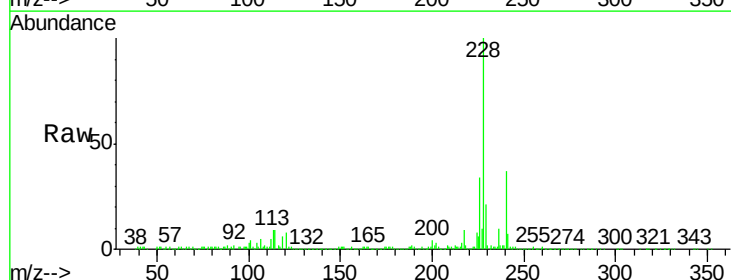
Tgt Ion:228 Resp: 919716

Ion Ratio Lower Upper

228 100

226 34.2 22.4 33.6#

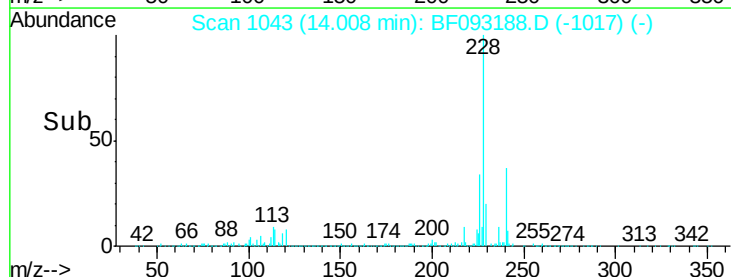
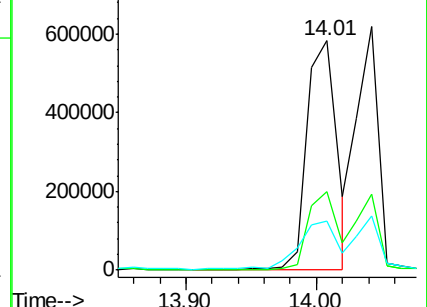
229 21.2 16.2 24.4

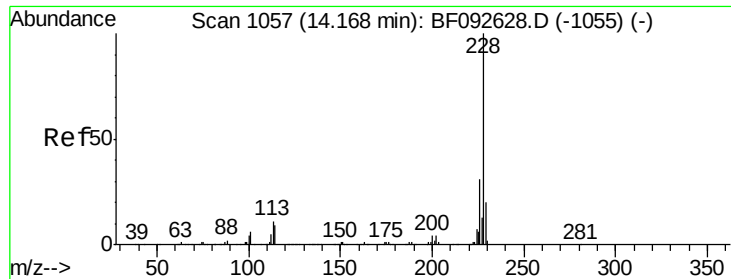


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 56.58 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

Instrument :

BNA\_F

ClientSampleId :

E2-B1-SW-2

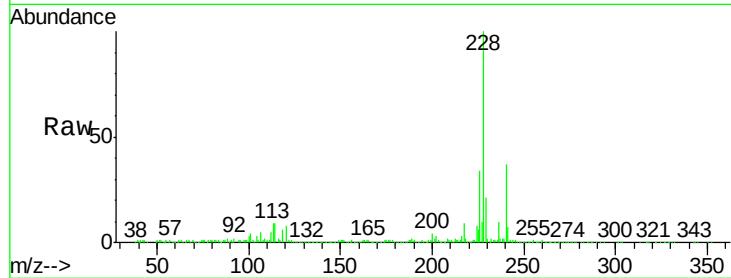
Tgt Ion:228 Resp: 919716

Ion Ratio Lower Upper

228 100

226 34.2 25.4 38.0

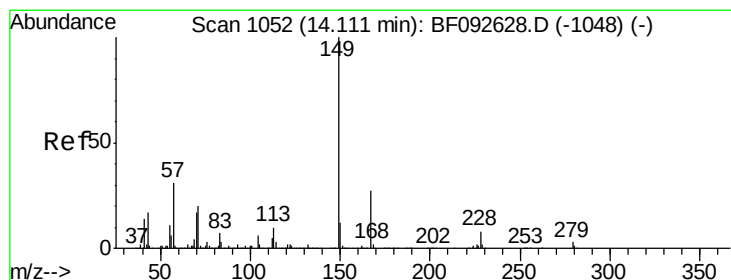
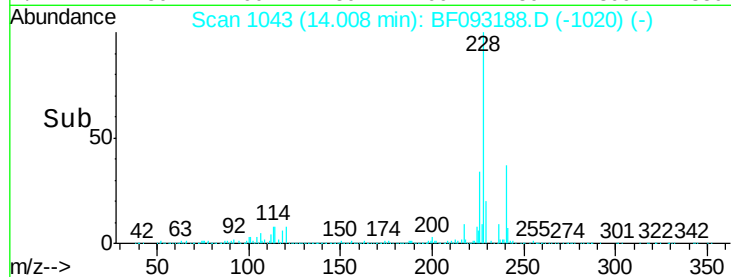
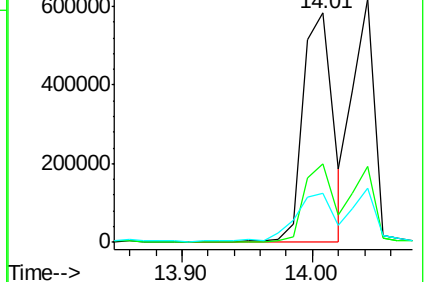
229 21.2 16.2 24.2



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: 3.66 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

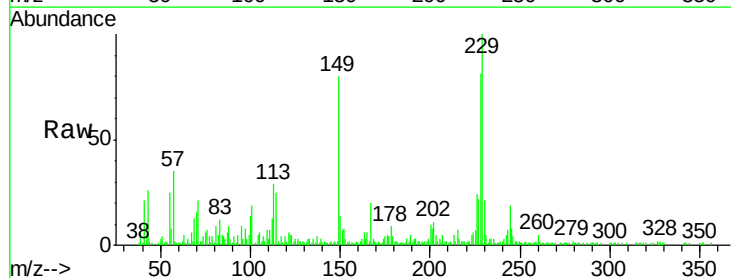
Tgt Ion:149 Resp: 43136

Ion Ratio Lower Upper

149 100

167 25.1 20.2 30.4

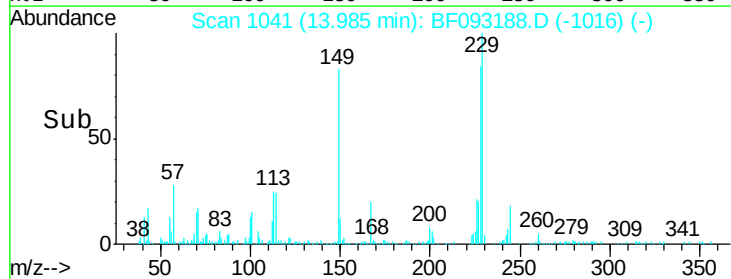
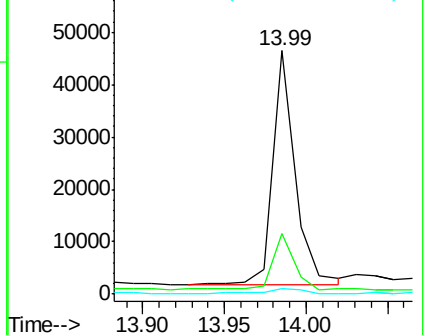
279 2.5 1.8 2.8

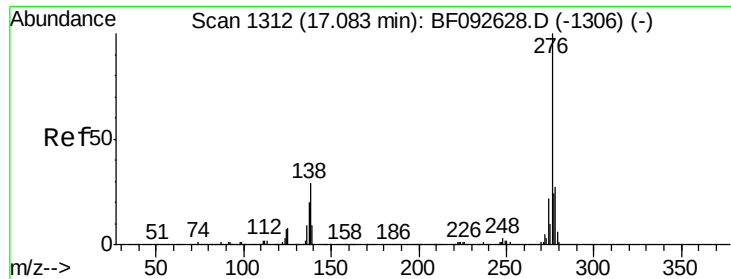


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

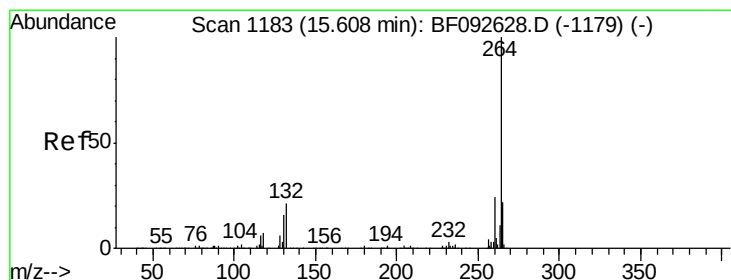
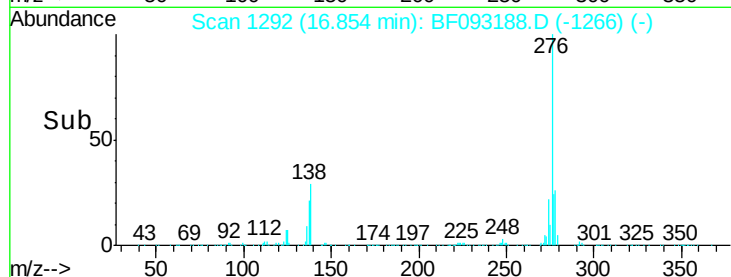
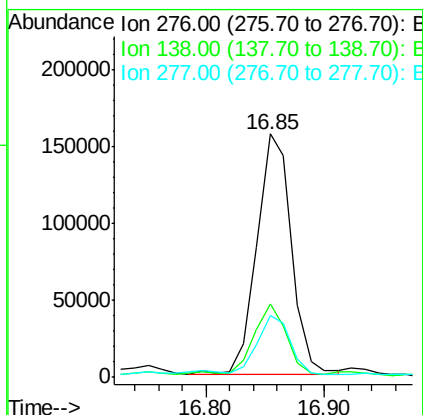
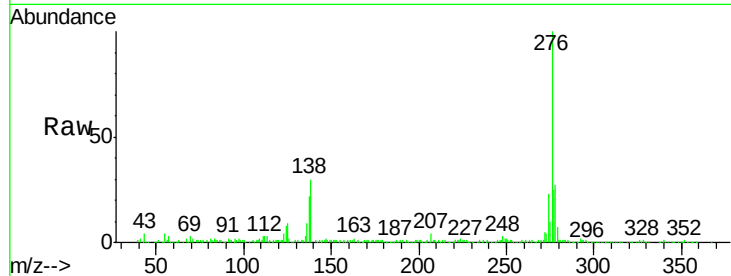




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 25.07 ng  
 RT: 16.85 min Scan# 1292  
 Delta R.T. 0.00 min  
 Lab File: BF093188.D  
 Acq: 25 Feb 2017 13:04

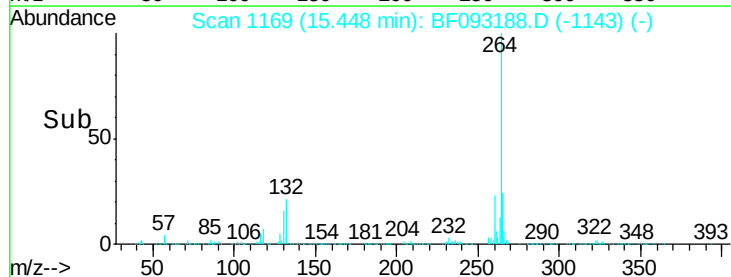
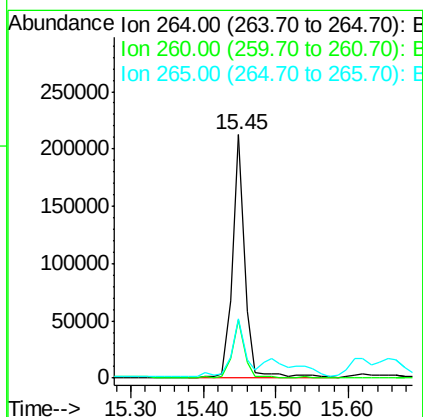
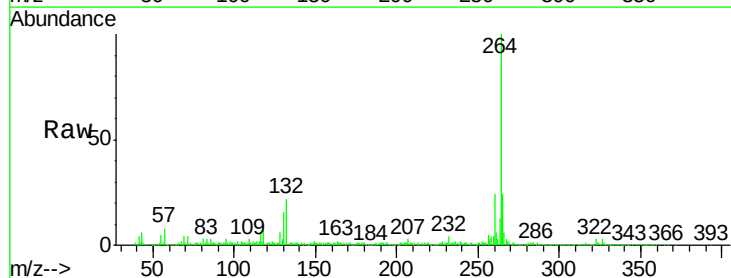
Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-B1-SW-2

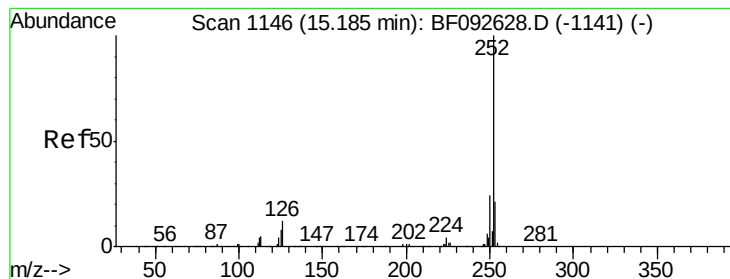
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 27.5  | 21.8  | 32.6  |
| 277     | 25.0  | 20.2  | 30.4  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.45 min Scan# 1169  
 Delta R.T. 0.00 min  
 Lab File: BF093188.D  
 Acq: 25 Feb 2017 13:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 19.2  | 28.8  |
| 265     | 24.1  | 17.4  | 26.0  |





#87

Benzo(b)fluoranthene

Concen: 77.09 ng

RT: 15.04 min Scan# 1133

Delta R.T. 0.00 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

Instrument :

BNA\_F

ClientSampleId :

E2-B1-SW-2

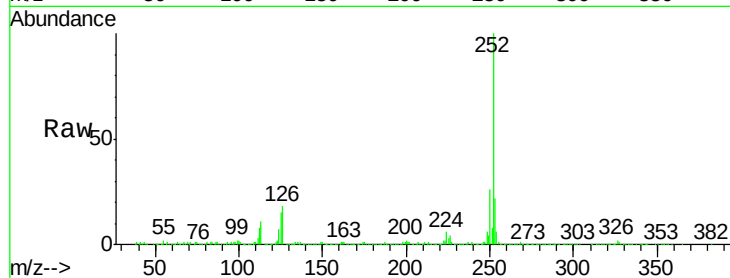
Tgt Ion:252 Resp: 1269687

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.4

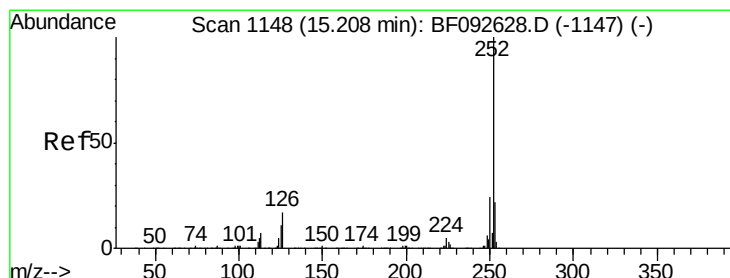
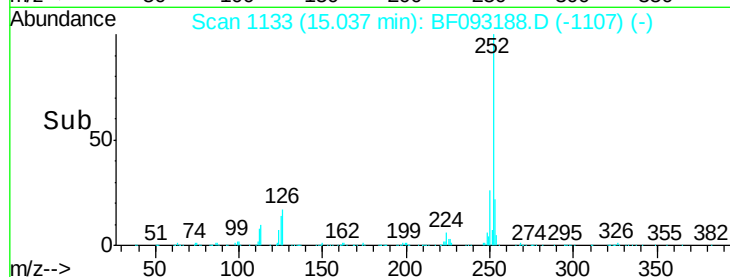
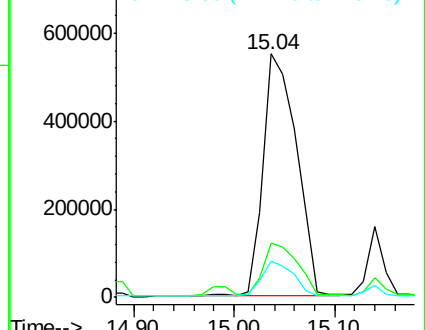
125 14.7 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 89.29 ng

RT: 15.04 min Scan# 1133

Delta R.T. -0.03 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

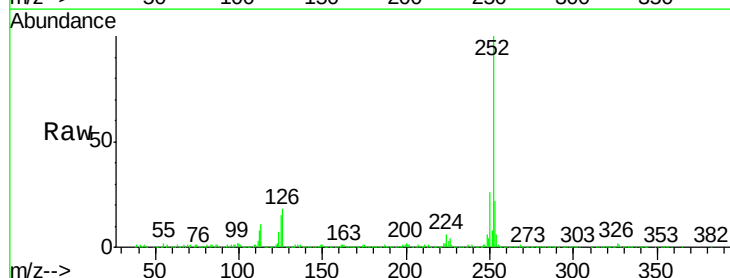
Tgt Ion:252 Resp: 1269687

Ion Ratio Lower Upper

252 100

253 22.5 18.5 27.7

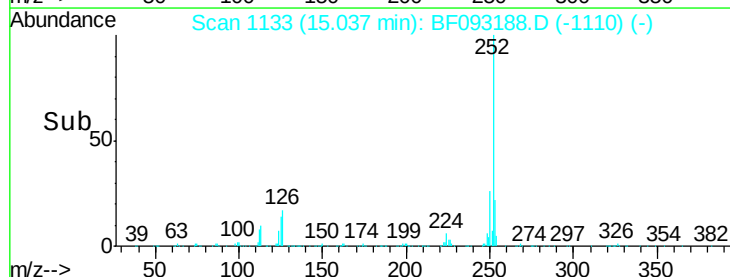
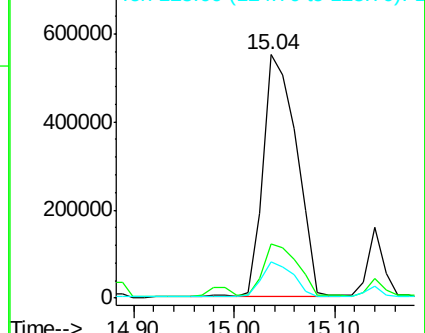
125 14.7 8.9 13.3#

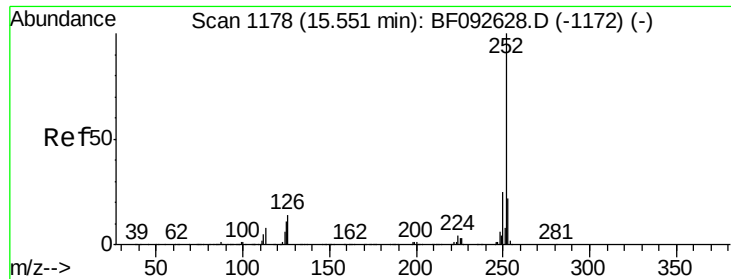


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 39.53 ng

RT: 15.39 min Scan# 1164

Delta R.T. 0.00 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

Instrument :

BNA\_F

ClientSampleId :

E2-B1-SW-2

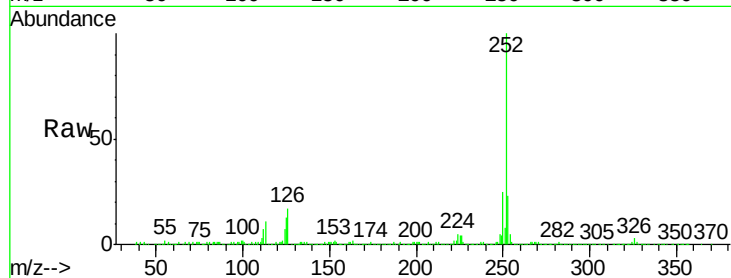
Tgt Ion:252 Resp: 563161

Ion Ratio Lower Upper

252 100

253 23.2 18.2 27.2

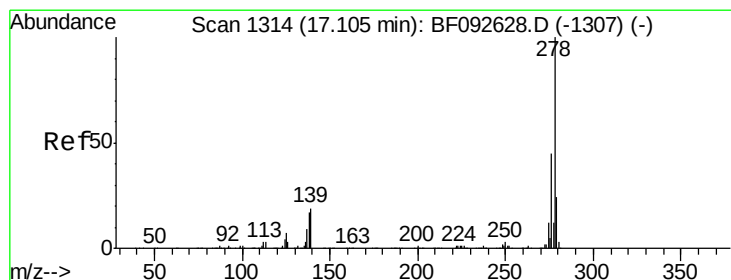
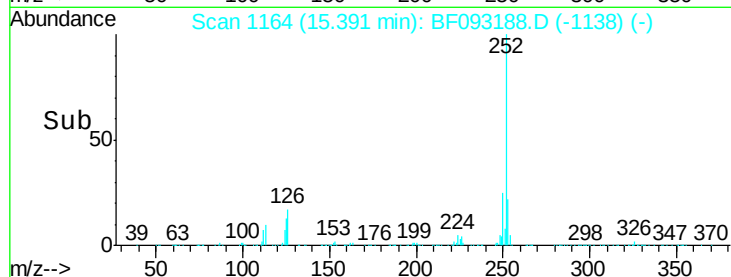
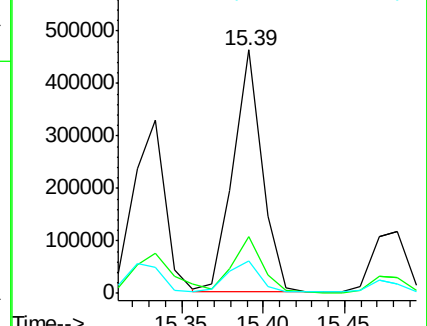
125 13.2 10.0 15.0



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: 8.15 ng

RT: 16.85 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF093188.D

Acq: 25 Feb 2017 13:04

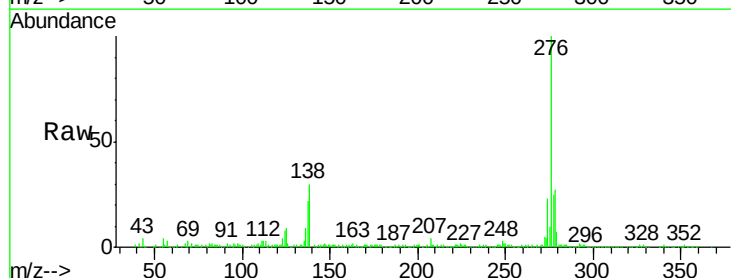
Tgt Ion:278 Resp: 93826

Ion Ratio Lower Upper

278 100

139 0.0 14.8 22.2#

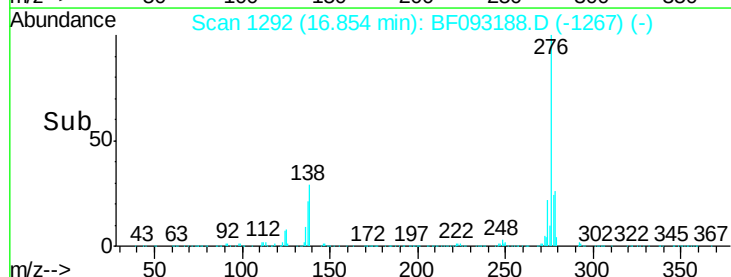
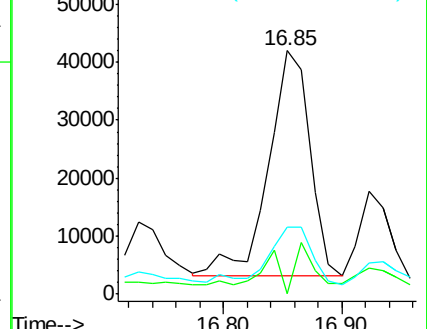
279 27.6 19.8 29.6

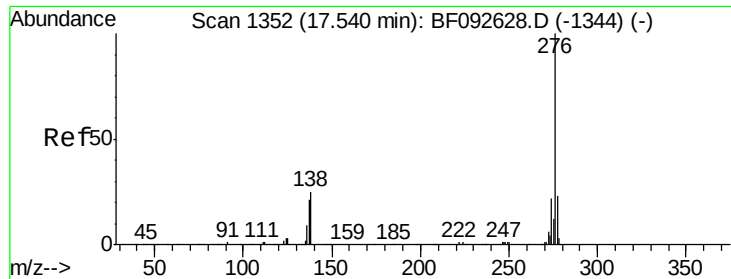


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91  
 Benzo(g,h,i)perylene  
 Concen: 23.58 ng  
 RT: 17.29 min Scan# 1330  
 Delta R.T. 0.00 min  
 Lab File: BF093188.D  
 Acq: 25 Feb 2017 13:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 E2-B1-SW-2

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.9  | 19.2  | 28.8  |
| 138     | 27.0  | 16.0  | 24.0  |

