

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030217\  
 Data File : BF093356.D  
 Acq On : 3 Mar 2017 12:00  
 Operator : SJ/MA  
 Sample : I2057-02  
 Misc :  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 21B-20

Quant Time: Mar 03 16:19:28 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

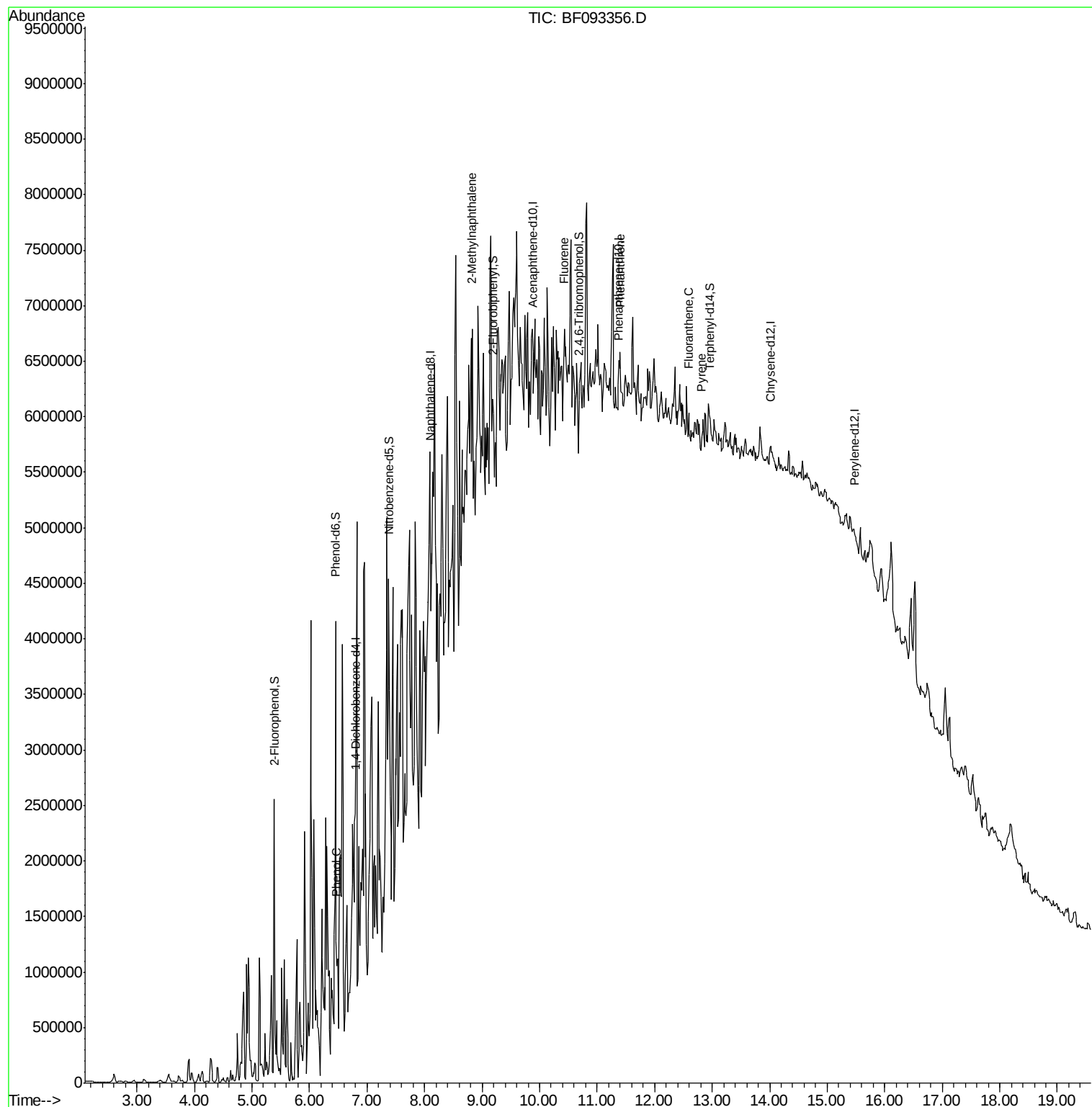
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 139074   | 20.00  | ng    | -0.06     |
| 21) Naphthalene-d8          | 8.10  | 136  | 403876   | 20.00  | ng    | -0.05     |
| 38) Acenaphthene-d10        | 9.88  | 164  | 158195   | 20.00  | ng    | -0.01     |
| 63) Phenanthrene-d10        | 11.37 | 188  | 212175   | 20.00  | ng    | -0.01     |
| 75) Chrysene-d12            | 14.02 | 240  | 138136   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12            | 15.47 | 264  | 143562   | 20.00  | ng    | 0.02      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.39  | 112  | 1091156  | 134.61 | ng    | -0.06     |
| 7) Phenol-d6                | 6.45  | 99   | 1205106  | 115.54 | ng    | -0.03     |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 766365   | 105.67 | ng    | -0.05     |
| 41) 2,4,6-Tribromophenol    | 10.68 | 330  | 126964   | 110.97 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 9.18  | 172  | 903151   | 103.43 | ng    | -0.03     |
| 78) Terphenyl-d14           | 12.96 | 244  | 418029   | 71.11  | ng    | -0.01     |
| Target Compounds            |       |      |          |        |       |           |
| 10) Phenol                  | 6.46  | 94   | 69639    | 5.71   | ng    | Qvalue 87 |
| 37) 2-Methylnaphthalene     | 8.83  | 142  | 1420113  | 108.03 | ng    | 99        |
| 57) Fluorene                | 10.43 | 166  | 289758   | 30.42  | ng    | # 76      |
| 70) Phenanthrene            | 11.40 | 178  | 676352   | 55.64  | ng    | # 93      |
| 74) Fluoranthene            | 12.59 | 202  | 87098    | 6.95   | ng    | 74        |
| 77) Pyrene                  | 12.82 | 202  | 211332   | 20.44  | ng    | # 87      |

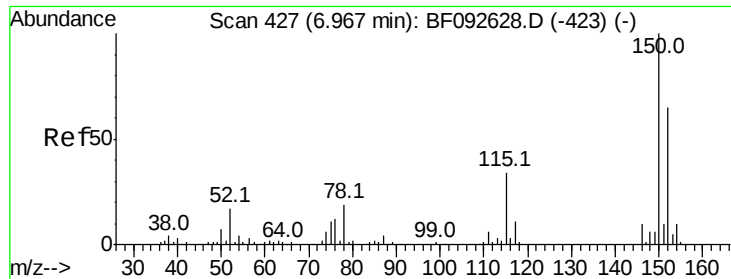
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 412

Delta R.T. -0.06 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA\_F

ClientSampleId :

21B-20

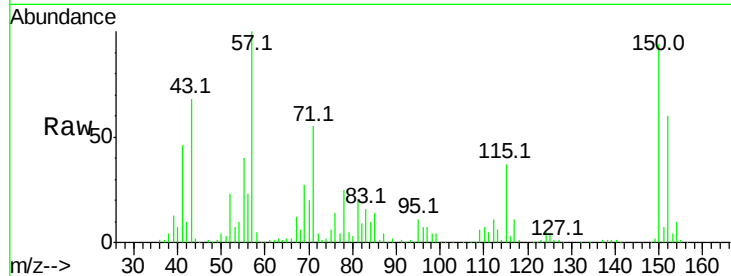
Tot Ion:152 Resp: 139074

Ion Ratio Lower Upper

152 100

150 157.8 124.9 187.3

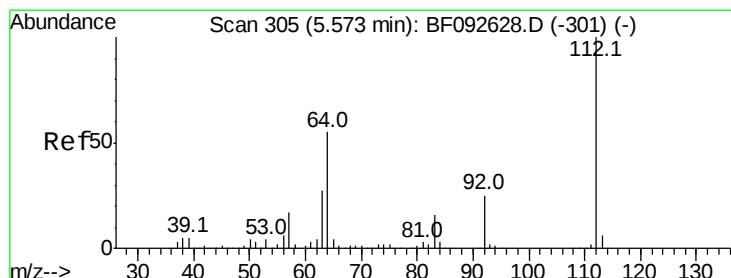
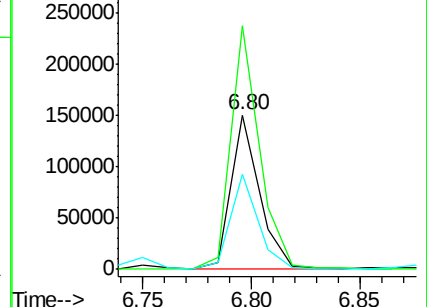
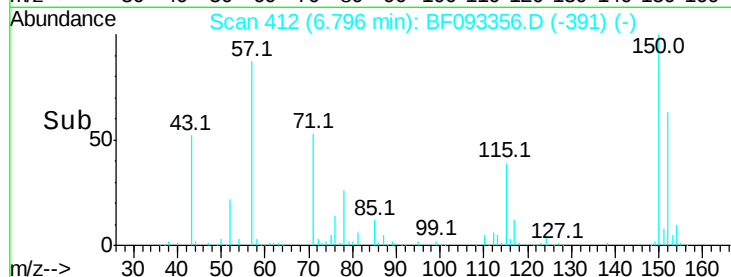
115 61.3 46.0 69.0



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: 134.61 ng

RT: 5.39 min Scan# 289

Delta R.T. -0.06 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

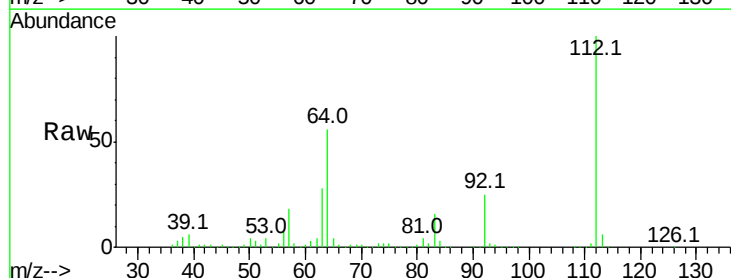
Tgt Ion:112 Resp: 1091156

Ion Ratio Lower Upper

112 100

64 56.1 46.1 69.1

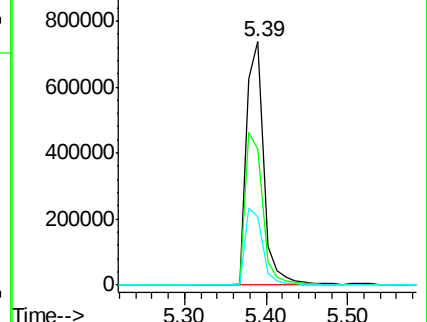
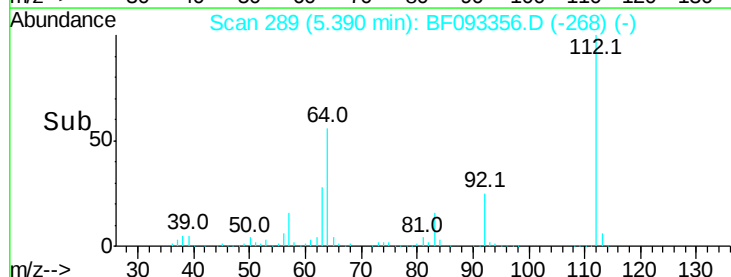
63 28.0 23.8 35.6

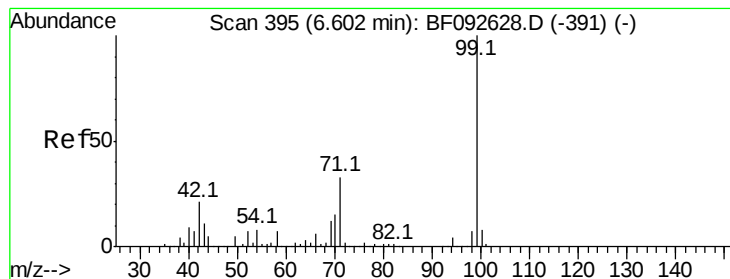


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 115.54 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA\_F

ClientSampleId :

21B-20

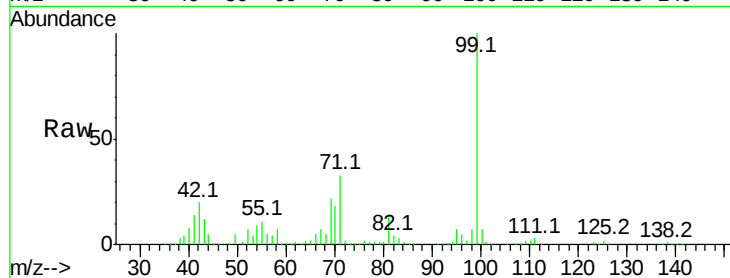
Tot Ion: 99 Resp: 1205106

Ion Ratio Lower Upper

99 100

42 20.2 15.6 23.4

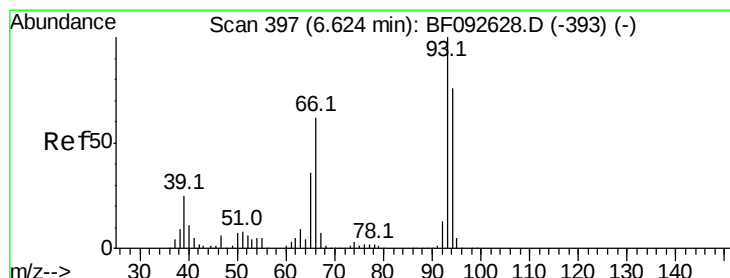
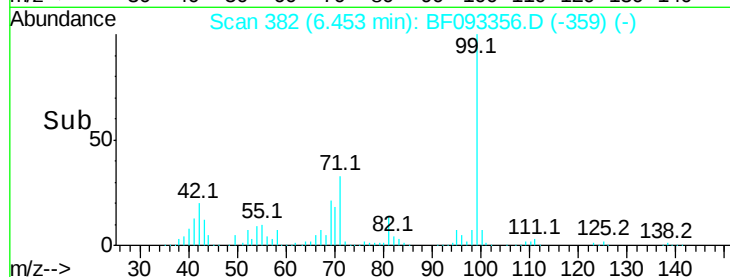
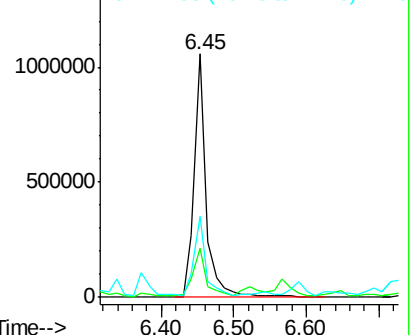
71 33.1 27.5 41.3



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: 5.71 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

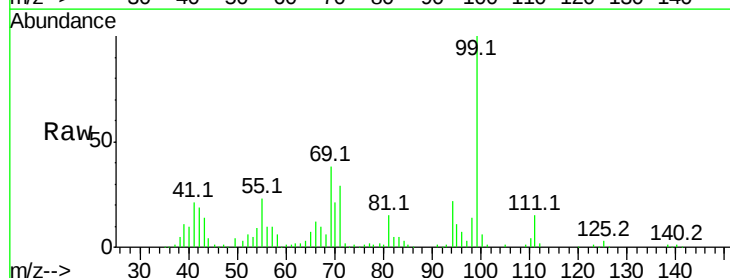
Tgt Ion: 94 Resp: 69639

Ion Ratio Lower Upper

94 100

65 33.6 21.4 61.4

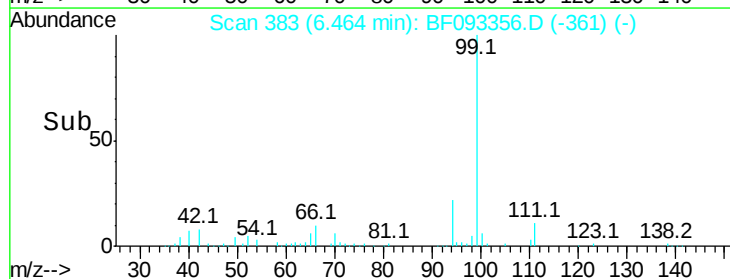
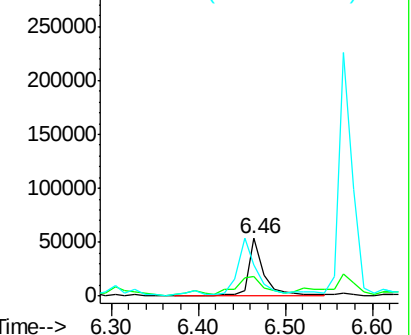
66 53.8 44.0 84.0

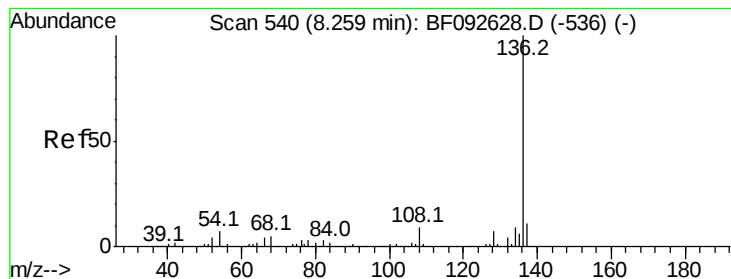


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.10 min Scan# 526

Delta R.T. -0.05 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA\_F

ClientSampleId :

21B-20

Tot Ion:136 Resp: 403876

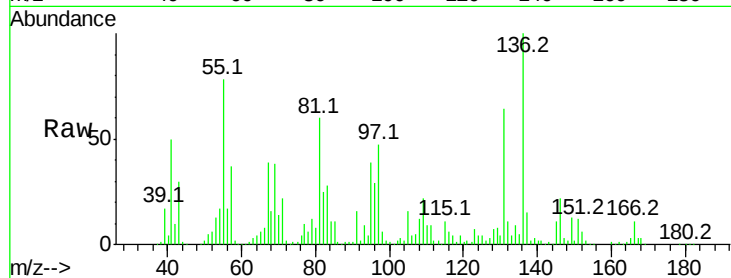
Ion Ratio Lower Upper

136 100

137 14.5 8.4 12.6#

54 16.7 4.5 6.7#

68 16.3 3.6 5.4#

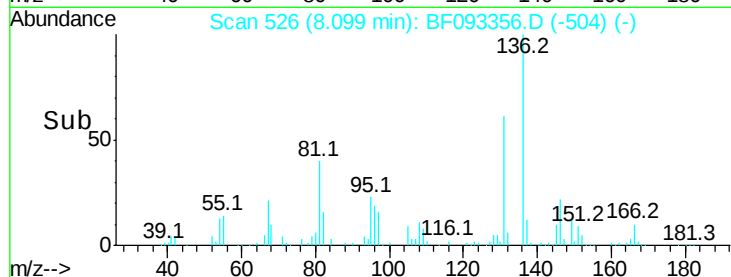


Abundance Ion 136.00 (135.70 to 136.70): E

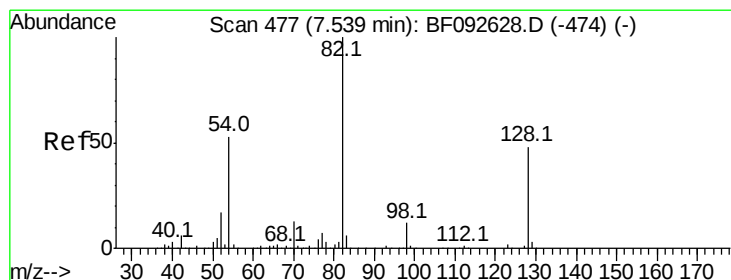
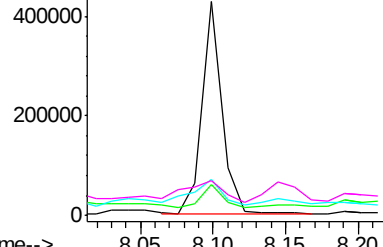
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 105.67 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.05 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

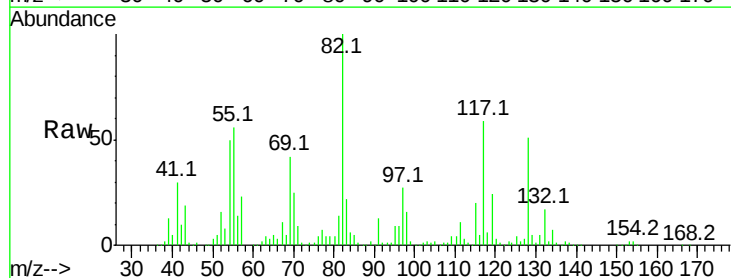
Tgt Ion: 82 Resp: 766365

Ion Ratio Lower Upper

82 100

128 50.8 34.6 52.0

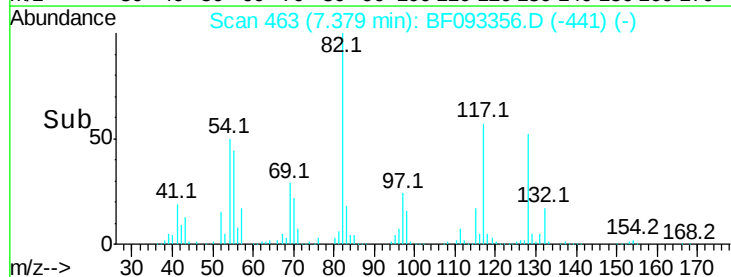
54 50.1 39.5 59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

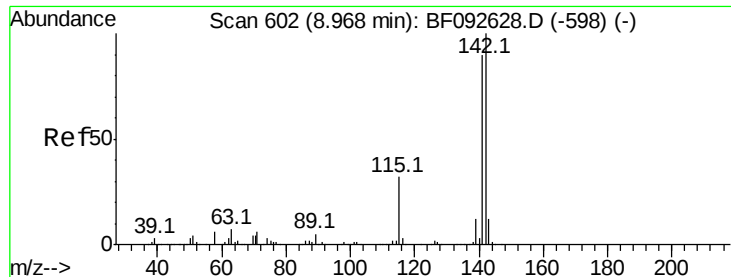
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

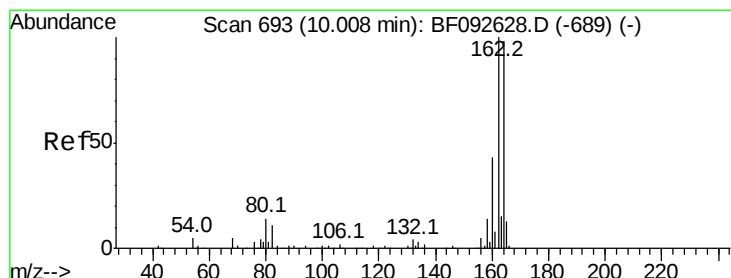
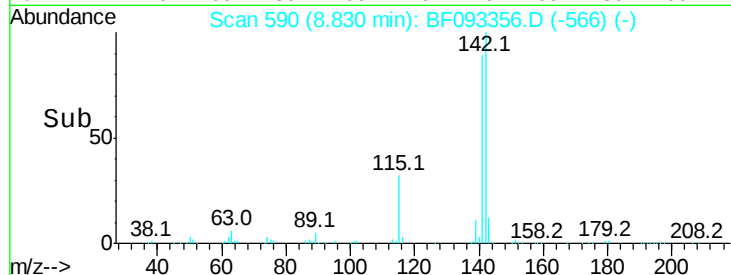
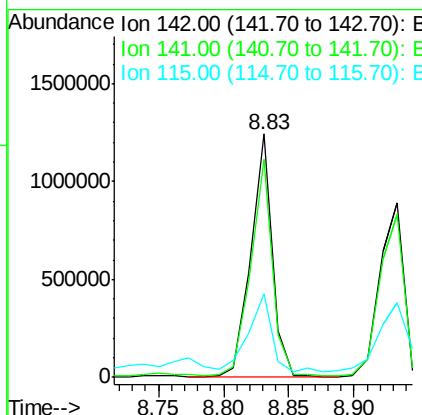
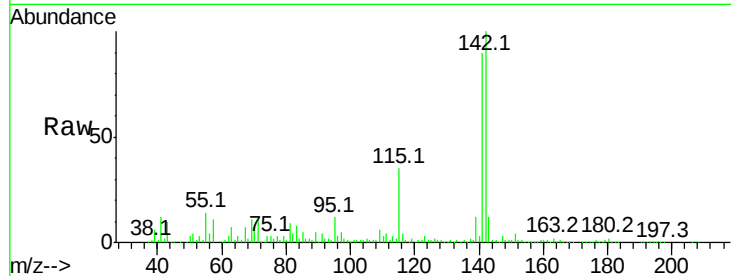




#37  
 2-Methylnaphthalene  
 Concen: 108.03 ng  
 RT: 8.83 min Scan# 590  
 Delta R.T. -0.02 min  
 Lab File: BF093356.D  
 Acq: 3 Mar 2017 12:00

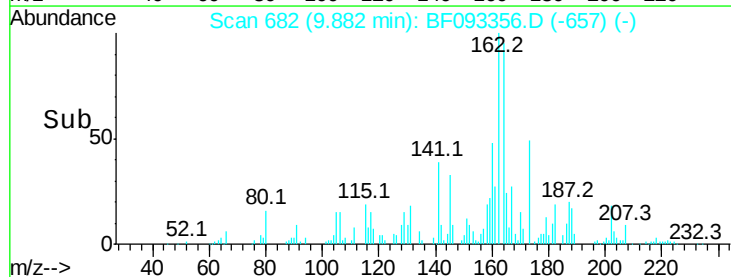
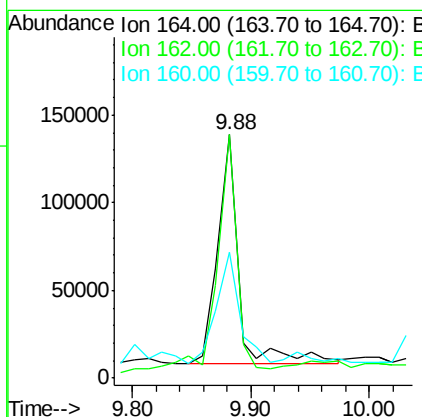
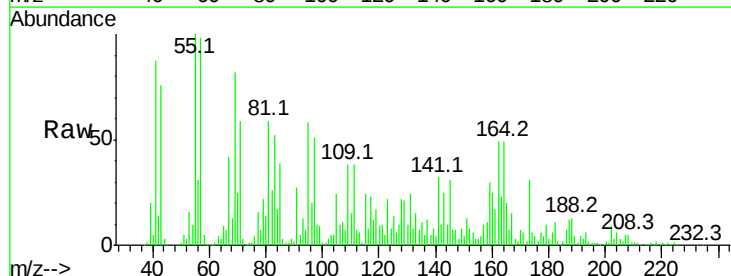
Instrument :  
 BNA\_F  
 ClientSampleId :  
 21B-20

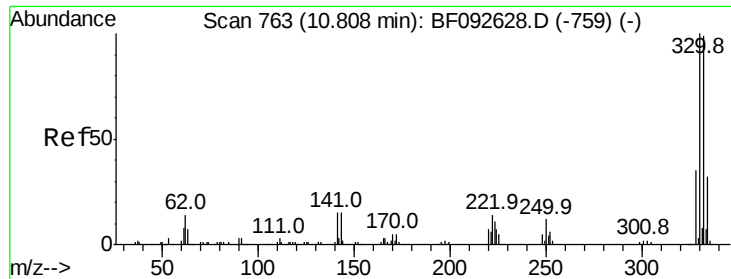
Tot Ion:142 Resp: 1420113  
 Ion Ratio Lower Upper  
 142 100  
 141 89.7 71.0 106.6  
 115 34.6 28.3 42.5



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.88 min Scan# 682  
 Delta R.T. -0.01 min  
 Lab File: BF093356.D  
 Acq: 3 Mar 2017 12:00

Tgt Ion:164 Resp: 158195  
 Ion Ratio Lower Upper  
 164 100  
 162 99.9 80.2 120.2  
 160 51.5 36.9 55.3

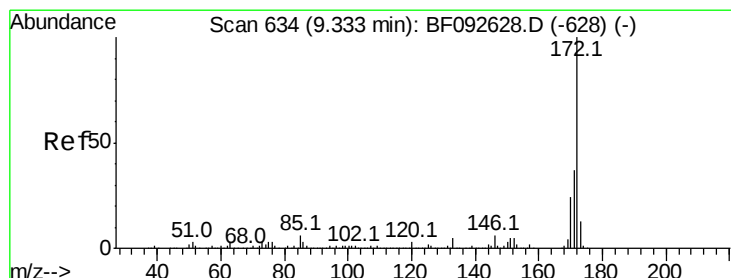
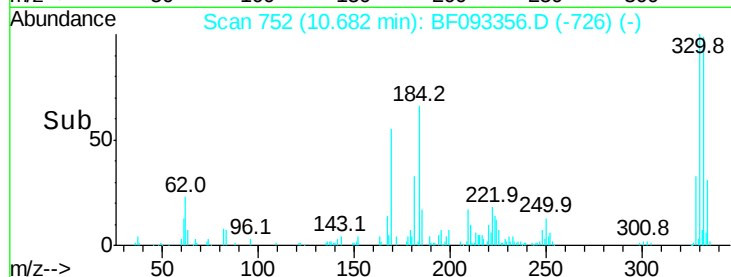
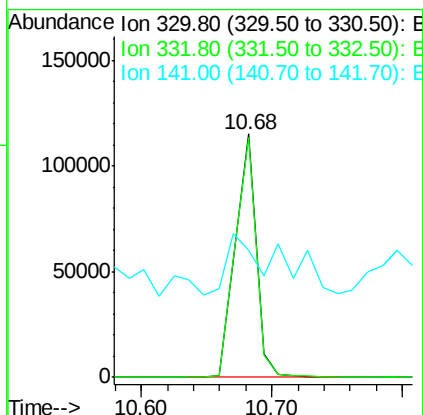
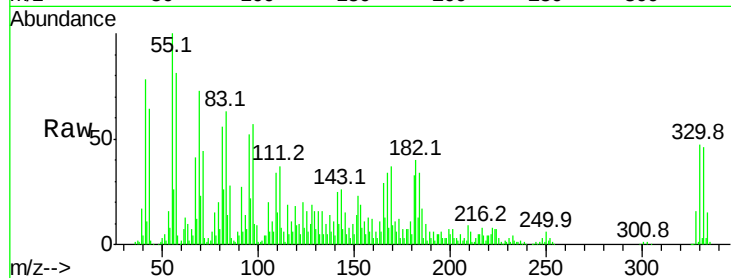




#41  
 2,4,6-Tribromophenol  
 Concen: 110.97 ng  
 RT: 10.68 min Scan# 752  
 Delta R.T. -0.00 min  
 Lab File: BF093356.D  
 Acq: 3 Mar 2017 12:00

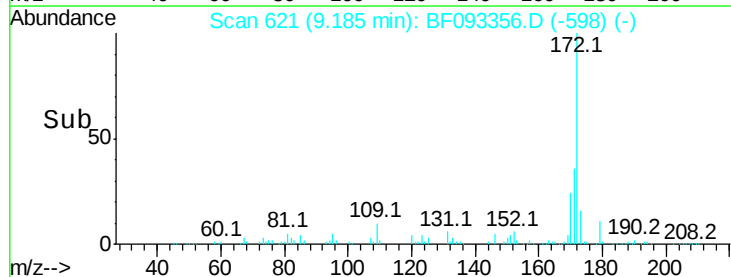
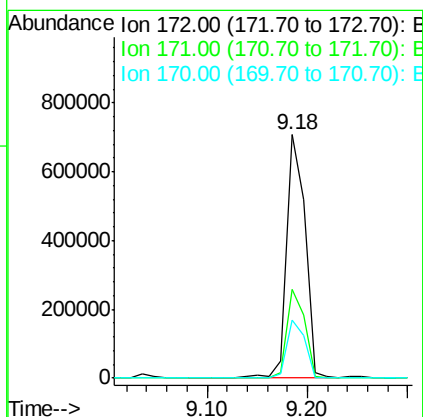
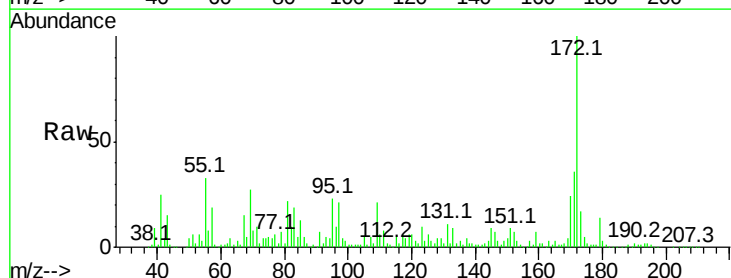
Instrument :  
 BNA\_F  
 ClientSampled :  
 21B-20

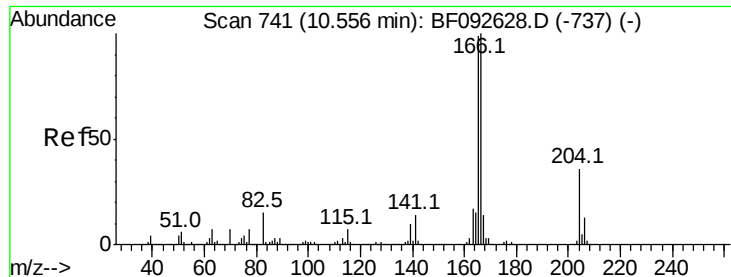
Tot Ion:330 Resp: 126964  
 Ion Ratio Lower Upper  
 330 100  
 332 99.6 77.4 116.2  
 141 33.2 34.1 51.1#



#44  
 2-Fluorobiphenyl  
 Concen: 103.43 ng  
 RT: 9.18 min Scan# 621  
 Delta R.T. -0.03 min  
 Lab File: BF093356.D  
 Acq: 3 Mar 2017 12:00

Tgt Ion:172 Resp: 903151  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 29.4 44.0  
 170 23.8 20.2 30.4

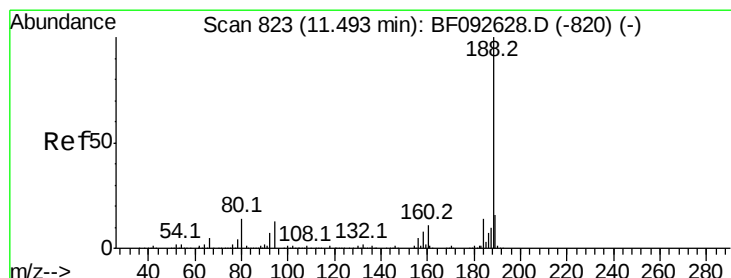
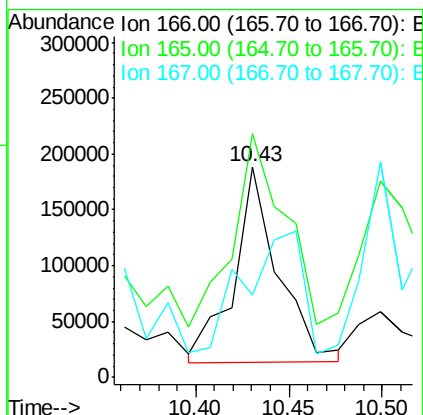
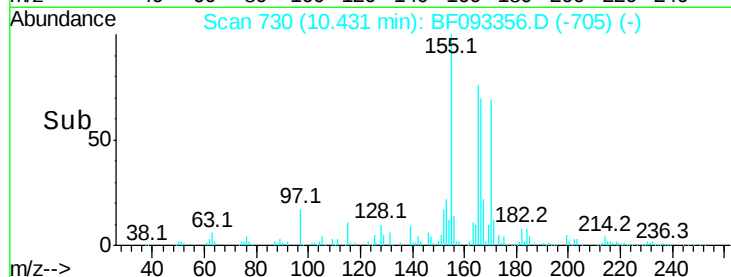
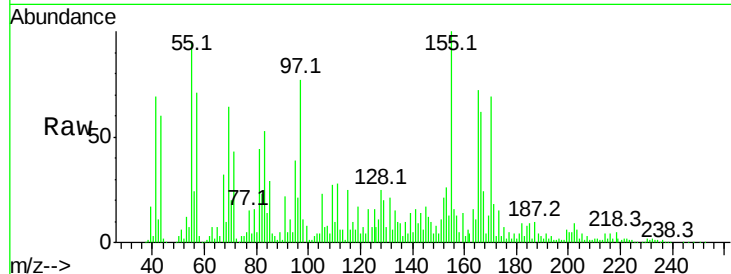




#57  
Fluorene  
Concen: 30.42 ng  
RT: 10.43 min Scan# 730  
Delta R.T. -0.01 min  
Lab File: BF093356.D  
Acq: 3 Mar 2017 12:00

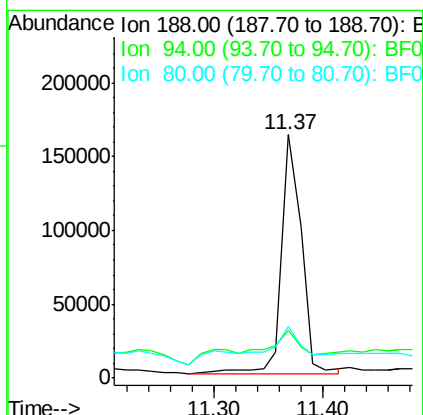
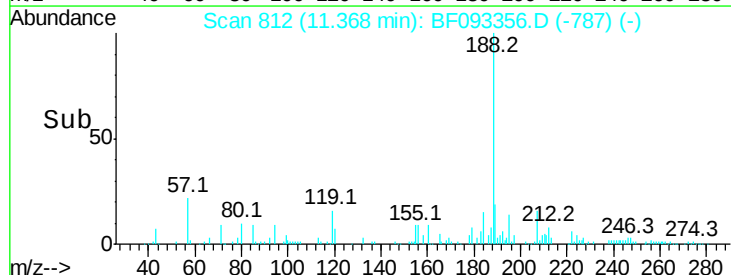
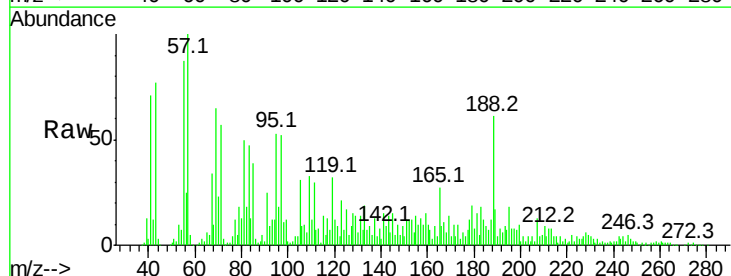
Instrument :  
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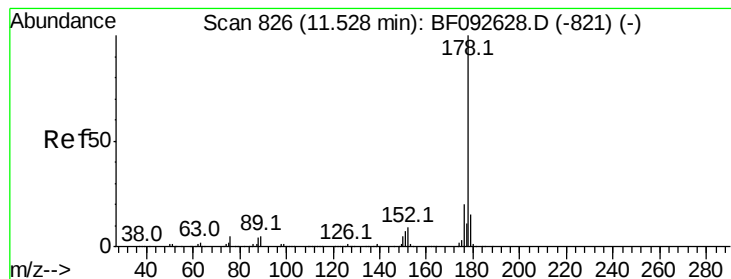
Tot Ion:166 Resp: 289758  
Ion Ratio Lower Upper  
166 100  
165 115.6 77.8 116.8  
167 39.3 10.8 16.2#



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.37 min Scan# 812  
Delta R.T. -0.01 min  
Lab File: BF093356.D  
Acq: 3 Mar 2017 12:00

Tgt Ion:188 Resp: 212175  
Ion Ratio Lower Upper  
188 100  
94 19.9 10.0 15.0#  
80 21.0 11.2 16.8#





#70

Phenanthrene

Concen: 55.64 ng

RT: 11.40 min Scan# 815

Delta R.T. -0.00 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA\_F

ClientSampleId :

21B-20

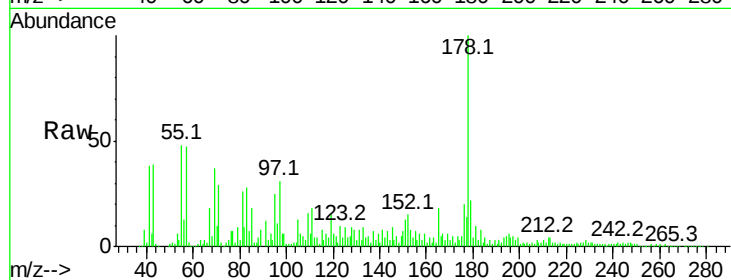
Tot Ion:178 Resp: 676352

Ion Ratio Lower Upper

178 100

176 19.9 16.6 25.0

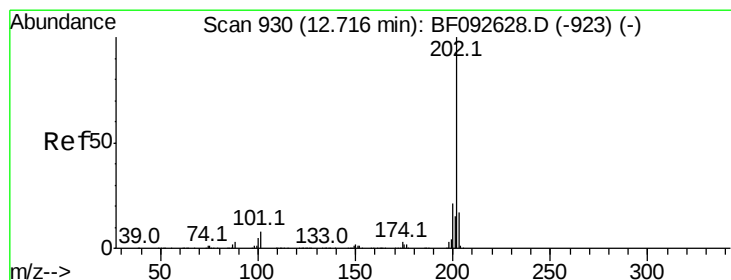
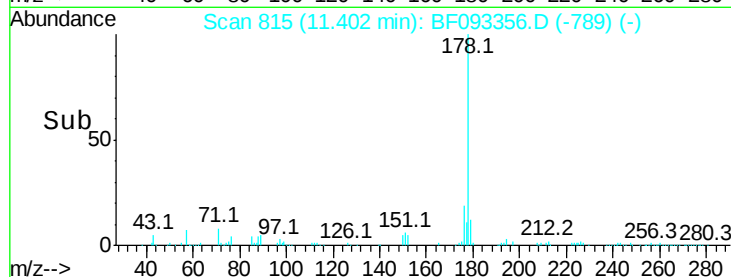
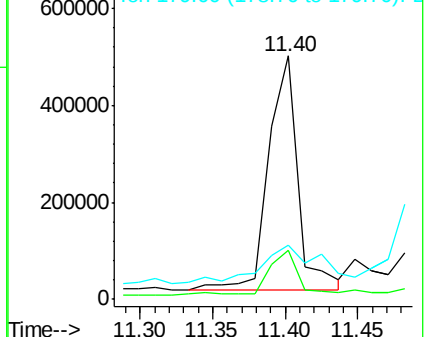
179 22.0 12.8 19.2#



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



#74

Fluoranthene

Concen: 6.95 ng

RT: 12.59 min Scan# 919

Delta R.T. -0.00 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

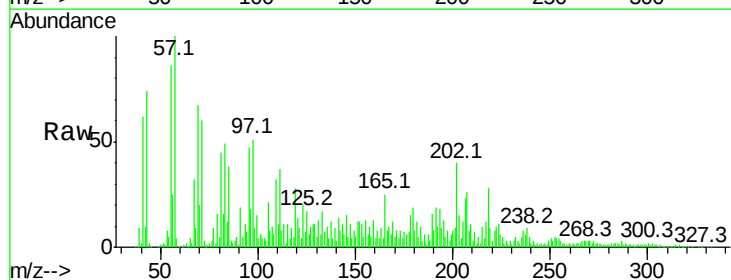
Tgt Ion:202 Resp: 87098

Ion Ratio Lower Upper

202 100

101 15.6 0.0 34.6

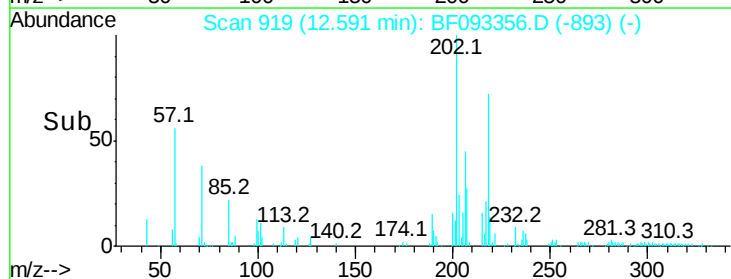
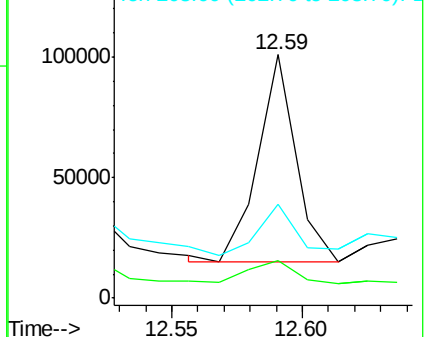
203 38.4 0.0 38.7

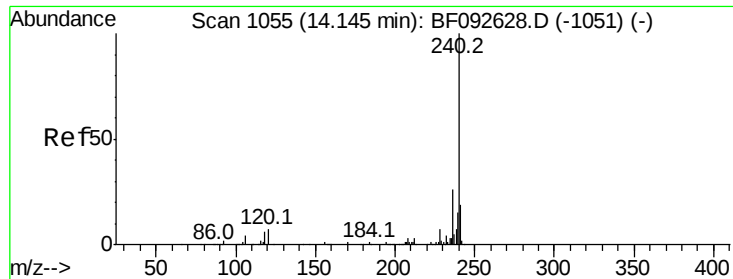


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.02 min Scan# 1044

Delta R.T. -0.00 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA\_F

ClientSampleId :

21B-20

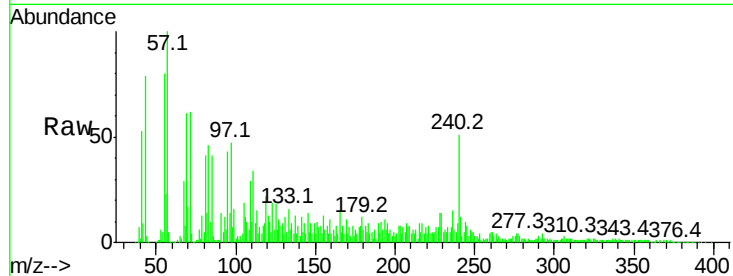
Tot Ion:240 Resp: 138136

Ion Ratio Lower Upper

240 100

120 25.5 12.9 19.3#

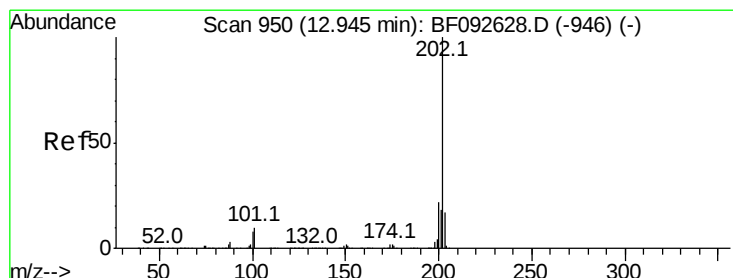
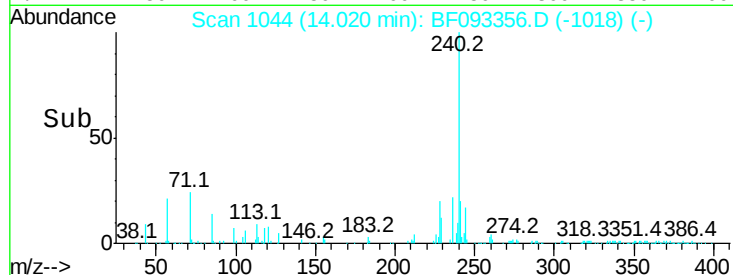
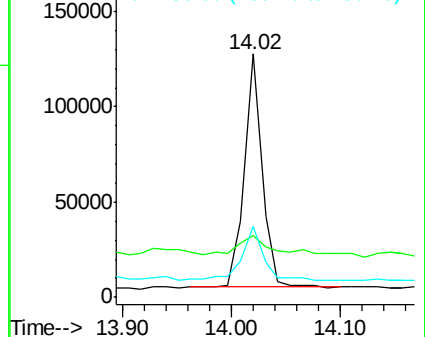
236 29.3 20.9 31.3



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: 20.44 ng

RT: 12.82 min Scan# 939

Delta R.T. -0.00 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

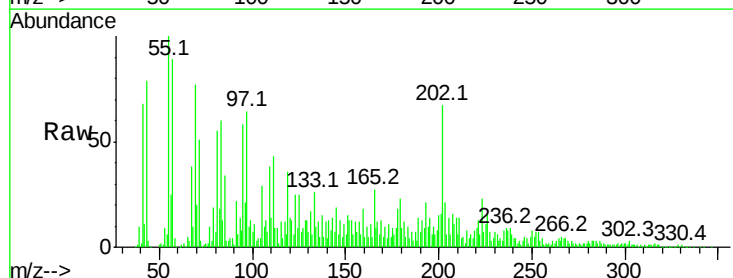
Tgt Ion:202 Resp: 211332

Ion Ratio Lower Upper

202 100

200 22.3 17.7 26.5

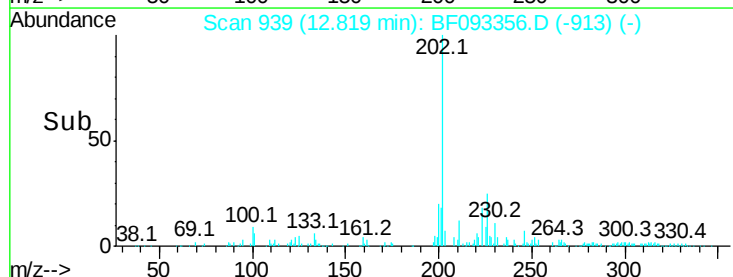
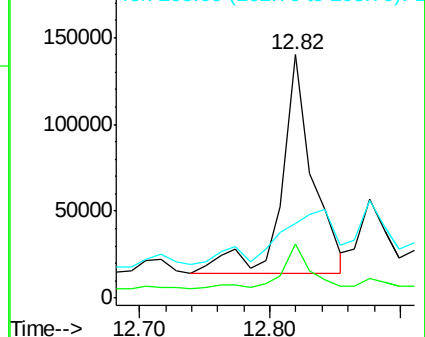
203 30.6 14.7 22.1#

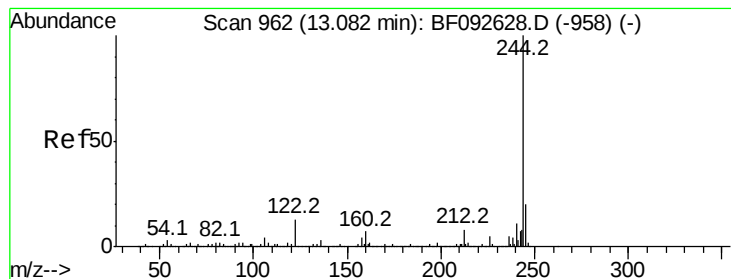


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 71.11 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.01 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

Instrument :

BNA\_F

ClientSampleId :

21B-20

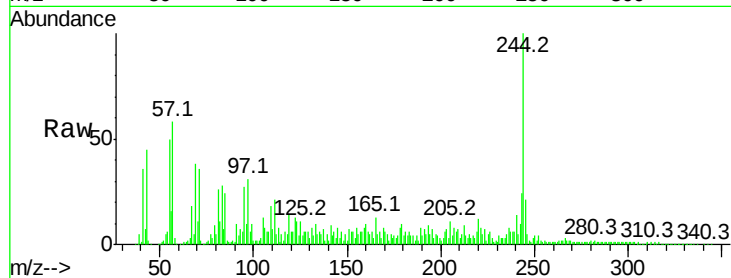
Tot Ion:244 Resp: 418029

Ion Ratio Lower Upper

244 100

212 9.1 6.2 9.2

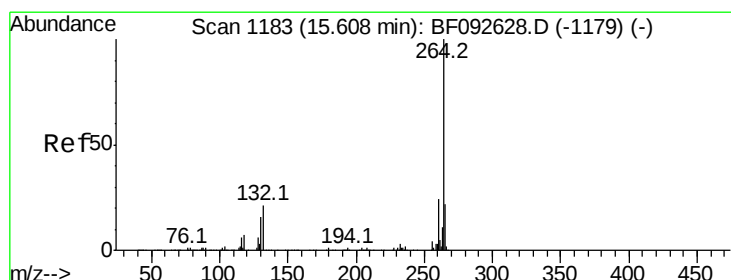
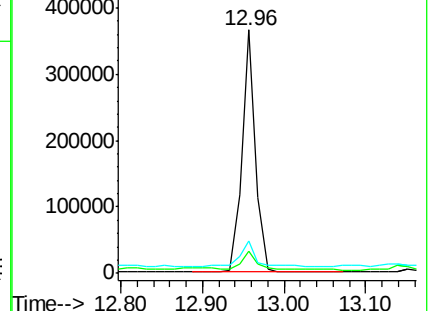
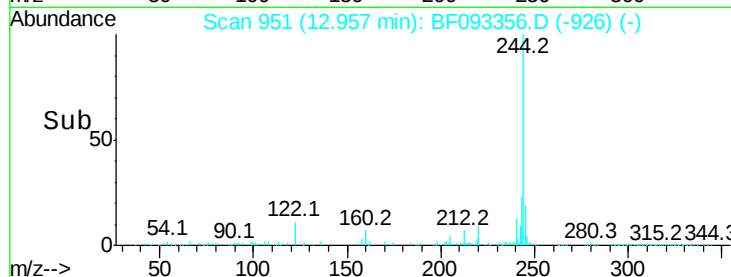
122 13.4 11.4 17.2



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.47 min Scan# 1171

Delta R.T. 0.02 min

Lab File: BF093356.D

Acq: 3 Mar 2017 12:00

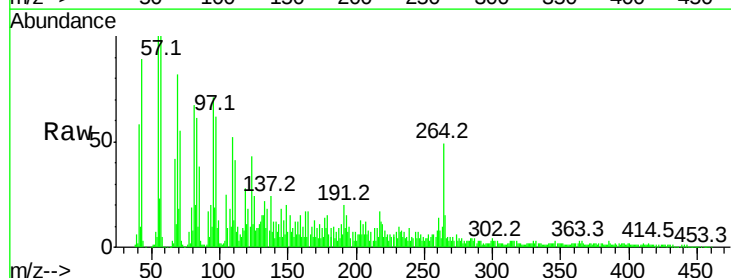
Tgt Ion:264 Resp: 143562

Ion Ratio Lower Upper

264 100

260 29.1 19.2 28.8#

265 30.1 17.4 26.0#



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

