

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF032117\  
 Data File : BF093806.D  
 Acq On : 21 Mar 2017 18:54  
 Operator : SJ/MA  
 Sample : I2332-01  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-SF-01-002-A

Quant Time: Mar 22 02:29:28 2017  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF032017.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 21 14:38:20 2017  
 Response via : Initial Calibration

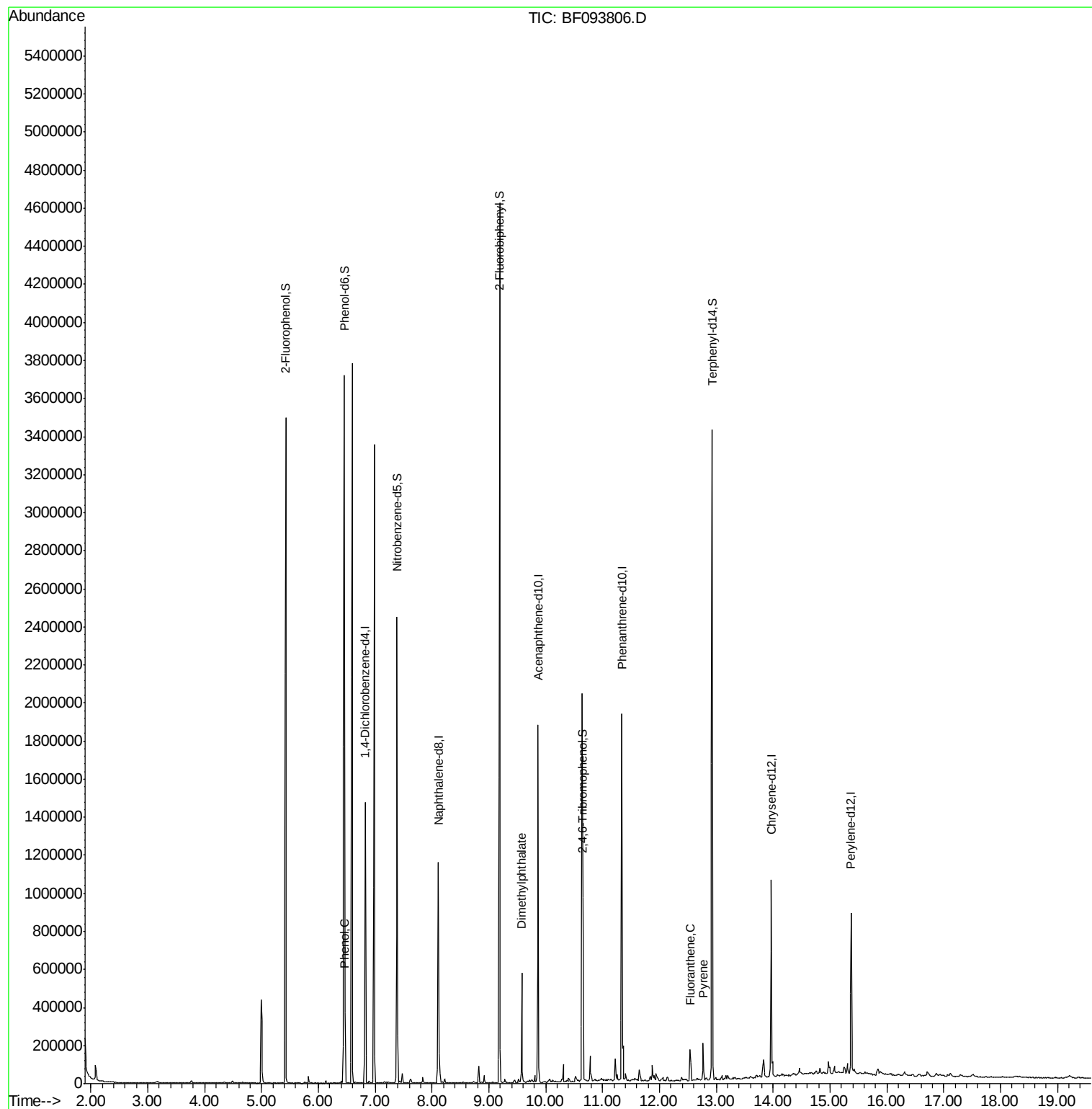
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.82  | 152  | 203736   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.12  | 136  | 818033   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.86  | 164  | 389557   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.34 | 188  | 638292   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.97 | 240  | 409470   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.37 | 264  | 352856   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.43  | 112  | 1201163  | 103.10 | ng    | 0.01     |
| 7) Phenol-d6                | 6.46  | 99   | 1430022  | 99.33  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 825051   | 57.21  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.65 | 330  | 281345   | 93.24  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.19  | 172  | 1510567  | 65.20  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.93 | 244  | 1134455  | 56.49  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 6.47  | 94   | 85414    | 5.28   | ng    | 85       |
| 49) Dimethylphthalate       | 9.58  | 163  | 219202   | 7.91   | ng    | 99       |
| 74) Fluoranthene            | 12.54 | 202  | 79053    | 2.26   | ng    | 94       |
| 77) Pyrene                  | 12.77 | 202  | 74409    | 2.18   | ng    | 97       |

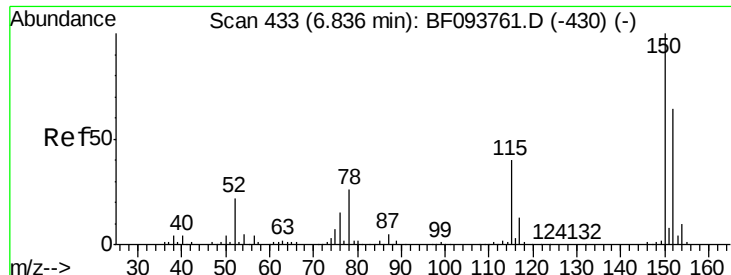
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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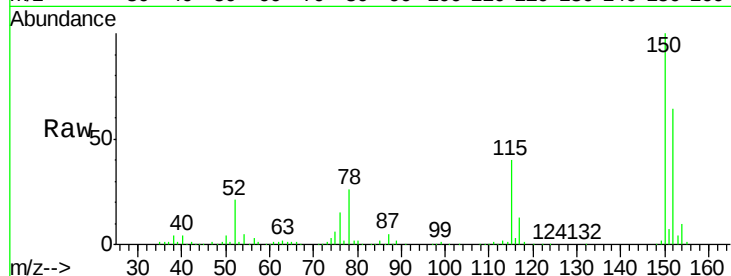




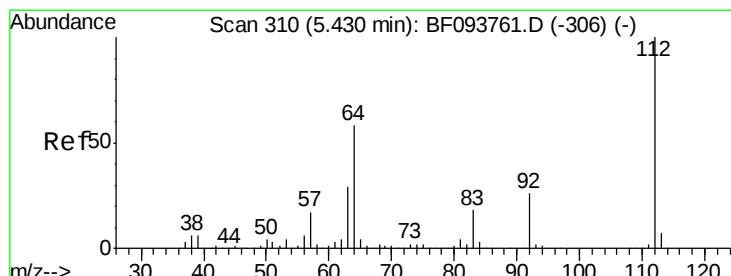
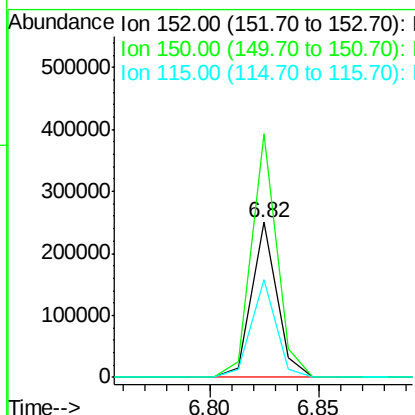
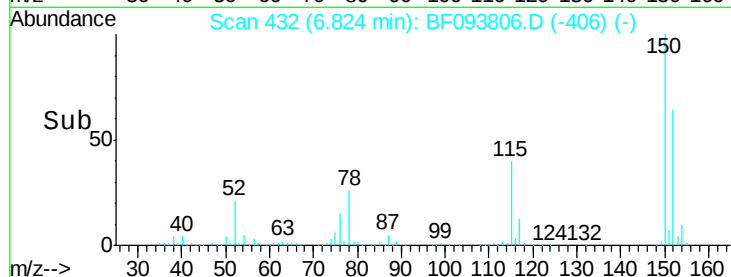
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.82 min Scan# 432  
 Delta R.T. -0.00 min  
 Lab File: BF093806.D  
 Acq: 21 Mar 2017 18:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-SF-01-002-A

Tgt Ion:152 Resp: 203736  
 Ion Ratio Lower Upper  
 152 100  
 150 157.1 126.2 189.2  
 115 63.3 52.2 78.2

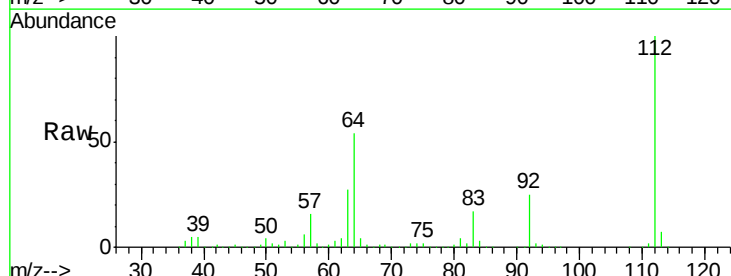


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

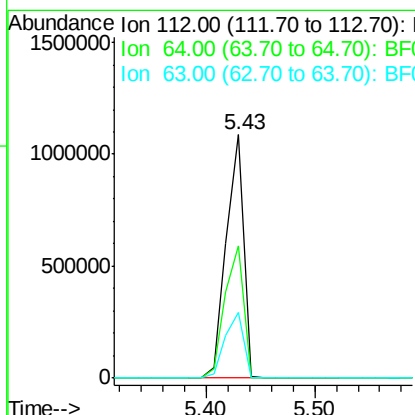
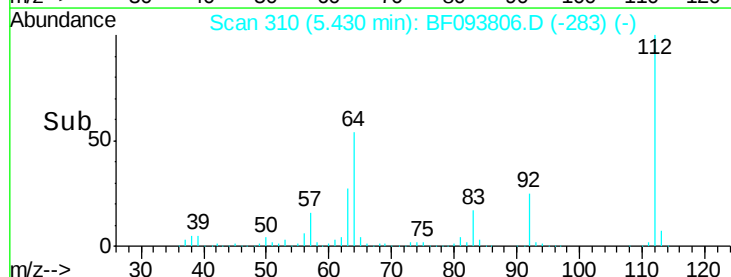


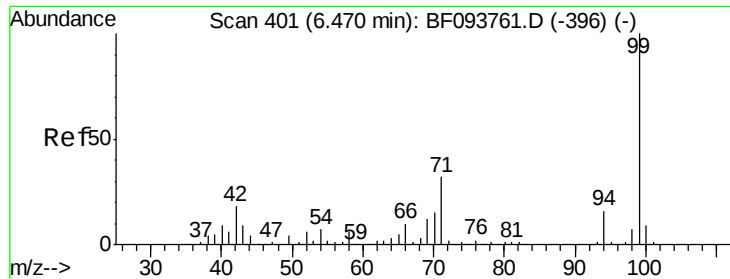
#5  
 2-Fluorophenol  
 Concen: 103.10 ng  
 RT: 5.43 min Scan# 310  
 Delta R.T. 0.01 min  
 Lab File: BF093806.D  
 Acq: 21 Mar 2017 18:54

Tgt Ion:112 Resp: 1201163  
 Ion Ratio Lower Upper  
 112 100  
 64 54.3 46.0 69.0  
 63 26.9 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: 99.33 ng

RT: 6.46 min Scan# 400

Delta R.T. -0.00 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

Instrument :

BNA\_F

ClientSampleId :

FK-SF-01-002-A

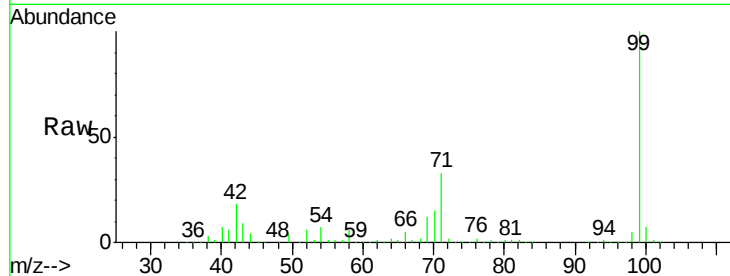
Tgt Ion: 99 Resp: 1430022

Ion Ratio Lower Upper

99 100

42 18.2 13.5 20.3

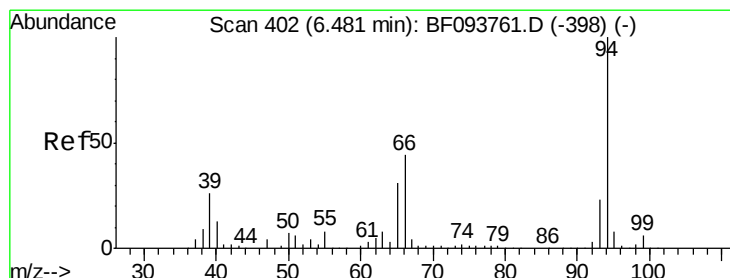
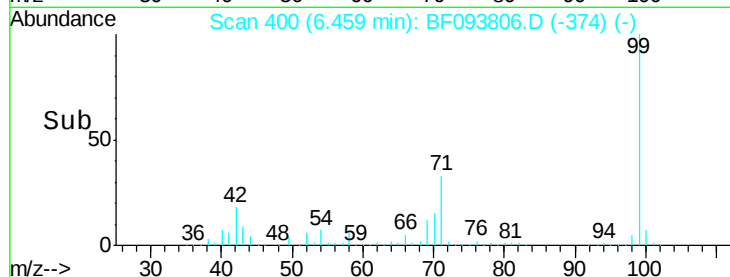
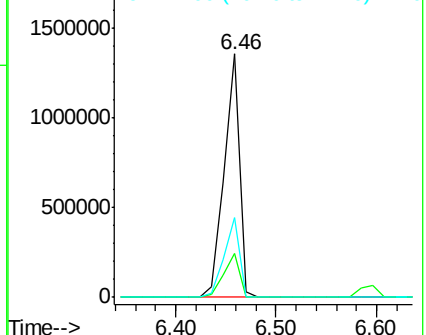
71 32.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 5.28 ng

RT: 6.47 min Scan# 401

Delta R.T. -0.00 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

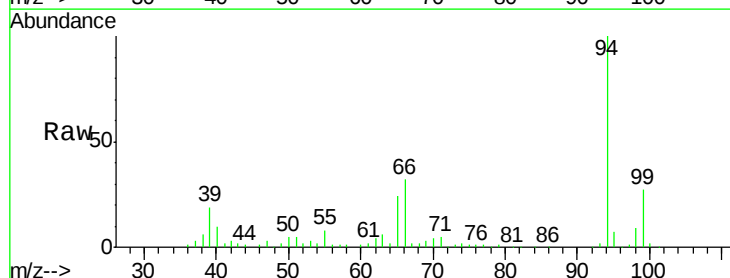
Tgt Ion: 94 Resp: 85414

Ion Ratio Lower Upper

94 100

65 23.8 9.9 49.9

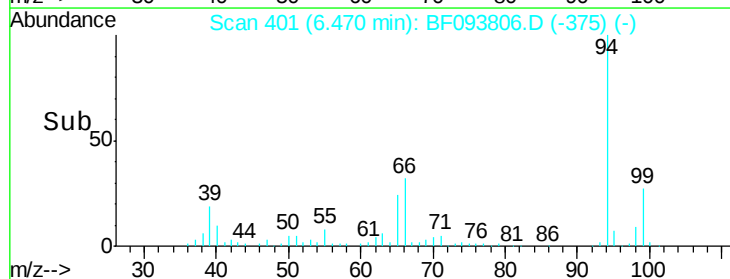
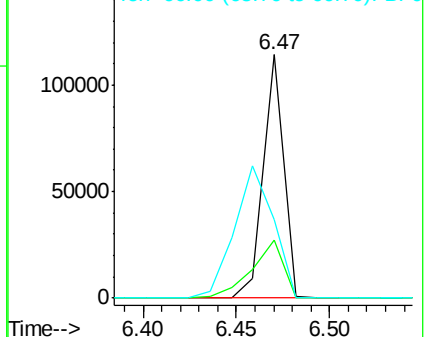
66 32.1 23.1 63.1

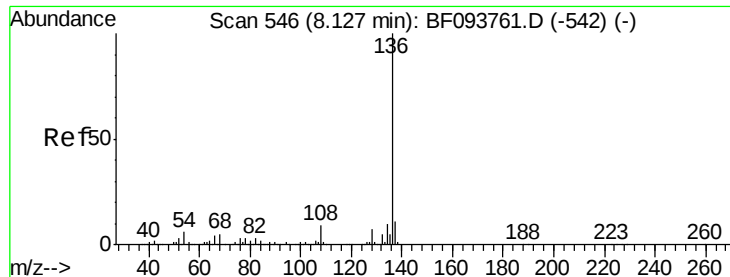


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 545

Delta R.T. -0.00 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

Instrument :

BNA\_F

ClientSampleId :

FK-SF-01-002-A

Tgt Ion:136 Resp: 818033

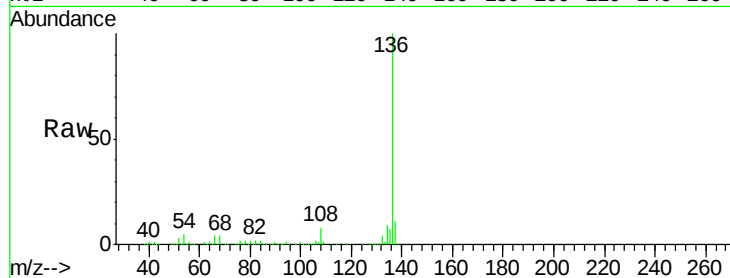
Ion Ratio Lower Upper

136 100

137 10.5 8.5 12.7

54 5.2 4.9 7.3

68 4.5 4.1 6.1

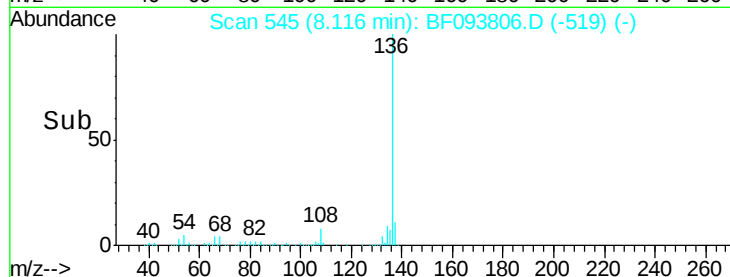


Abundance Ion 136.00 (135.70 to 136.70): E

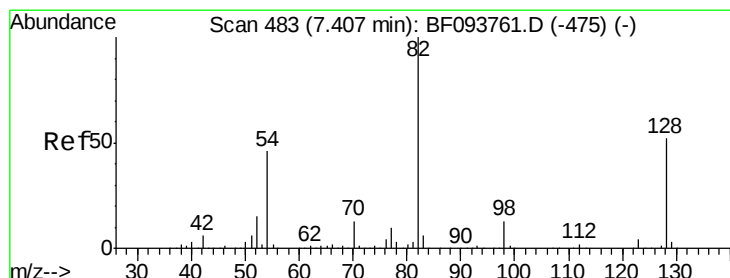
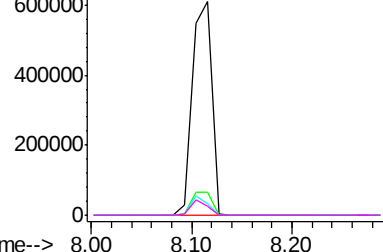
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time--> 8.00 8.10 8.20



#23

Nitrobenzene-d5

Concen: 57.21 ng

RT: 7.38 min Scan# 481

Delta R.T. -0.01 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

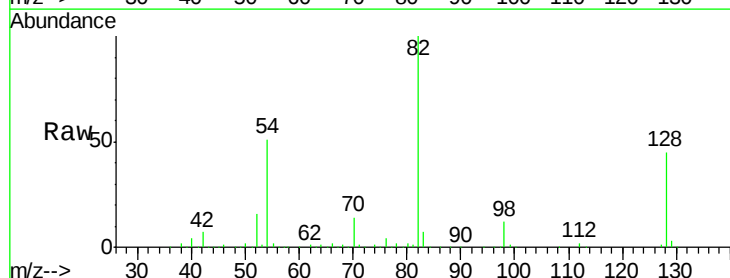
Tgt Ion: 82 Resp: 825051

Ion Ratio Lower Upper

82 100

128 44.8 34.0 51.0

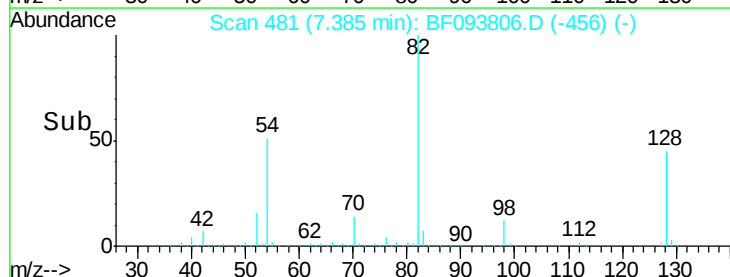
54 50.9 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

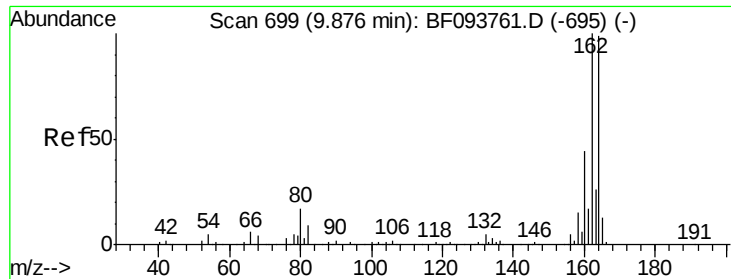
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time--> 7.30 7.35 7.40 7.45

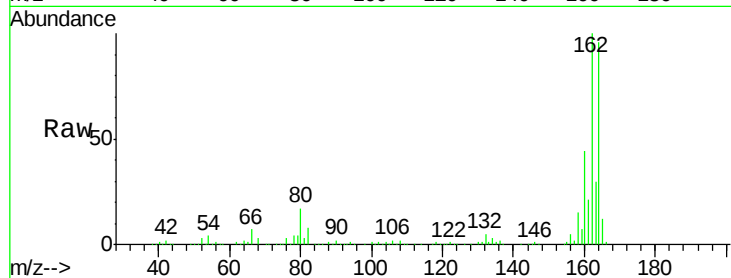




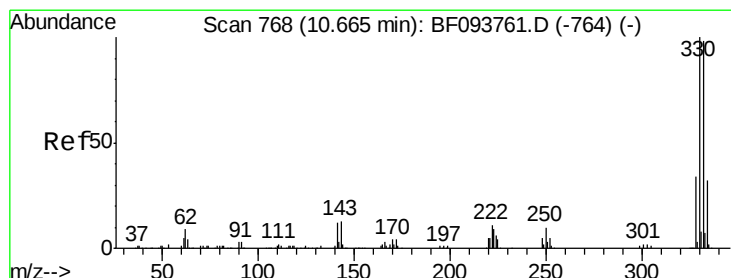
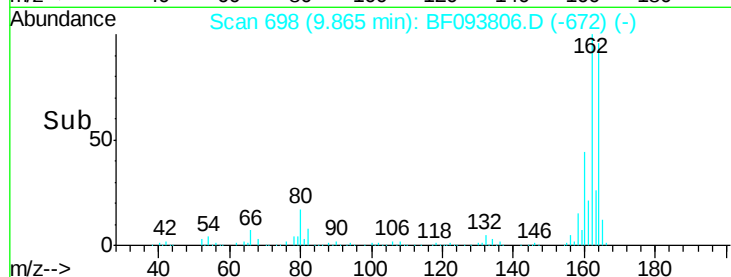
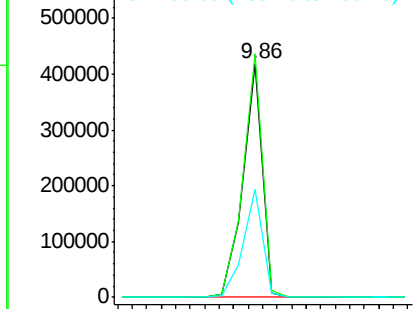
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.86 min Scan# 698  
 Delta R.T. -0.00 min  
 Lab File: BF093806.D  
 Acq: 21 Mar 2017 18:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-SF-01-002-A

Tgt Ion:164 Resp: 389557  
 Ion Ratio Lower Upper  
 164 100  
 162 104.1 82.6 123.8  
 160 46.2 36.2 54.2

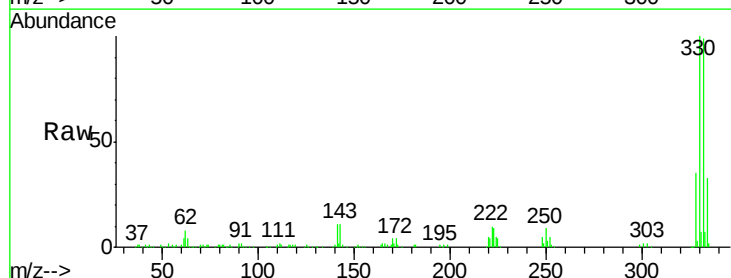


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

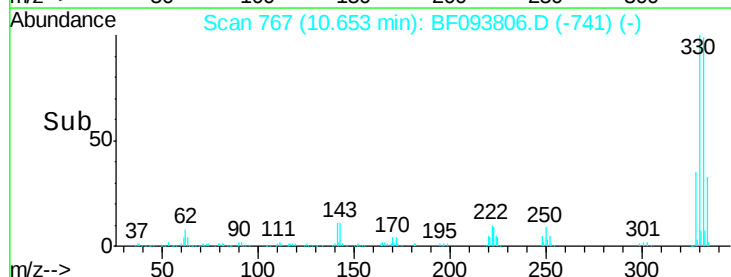
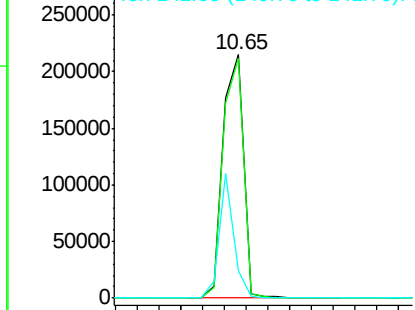


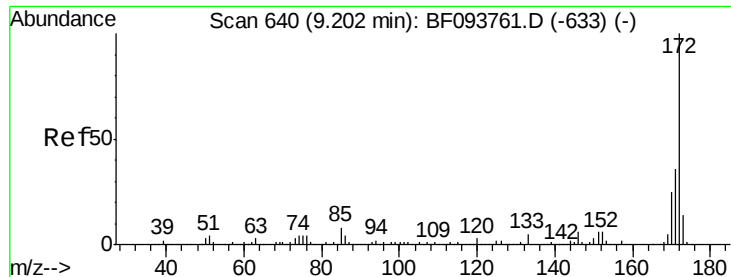
#41  
 2,4,6-Tribromophenol  
 Concen: 93.24 ng  
 RT: 10.65 min Scan# 767  
 Delta R.T. -0.00 min  
 Lab File: BF093806.D  
 Acq: 21 Mar 2017 18:54

Tgt Ion:330 Resp: 281345  
 Ion Ratio Lower Upper  
 330 100  
 332 97.6 76.6 115.0  
 141 37.3 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

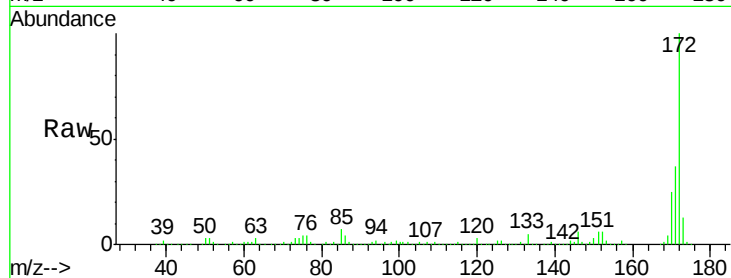




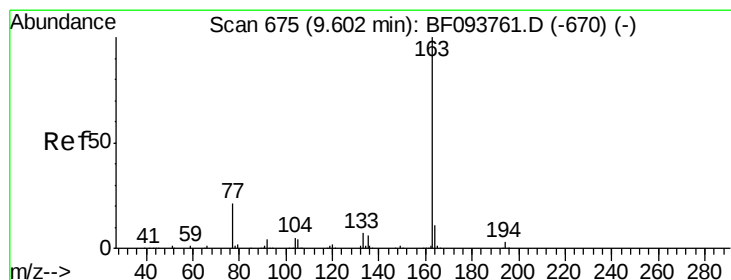
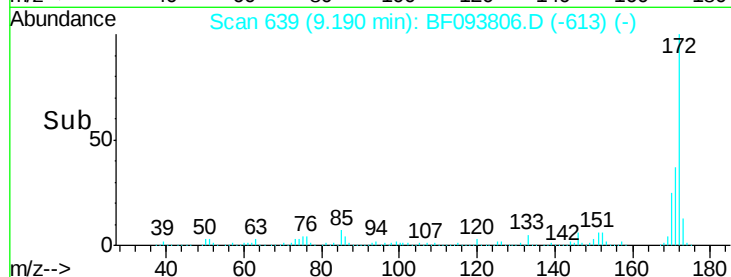
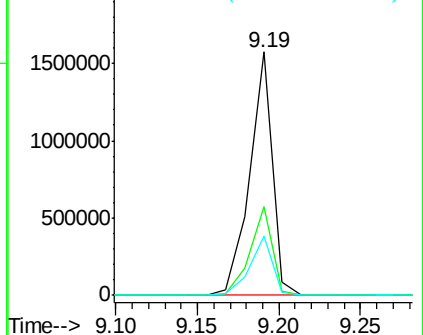
#44  
 2-Fluorobiphenyl  
 Concen: 65.20 ng  
 RT: 9.19 min Scan# 639  
 Delta R.T. -0.00 min  
 Lab File: BF093806.D  
 Acq: 21 Mar 2017 18:54

Instrument :  
 BNA\_F  
 ClientSampleId :  
 FK-SF-01-002-A

Tgt Ion:172 Resp: 1510567  
 Ion Ratio Lower Upper  
 172 100  
 171 36.6 29.6 44.4  
 170 24.6 19.8 29.8

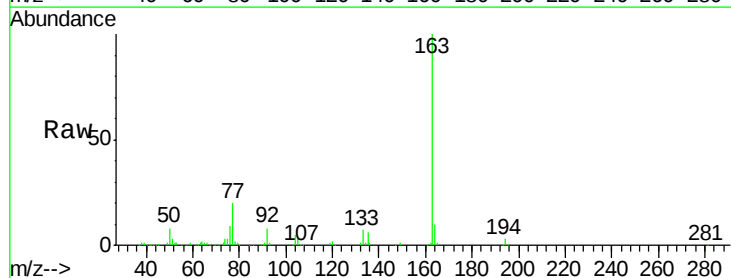


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

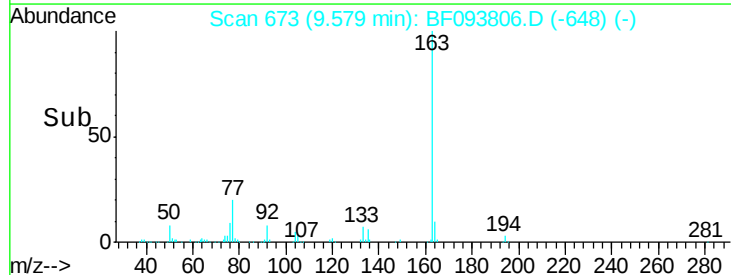
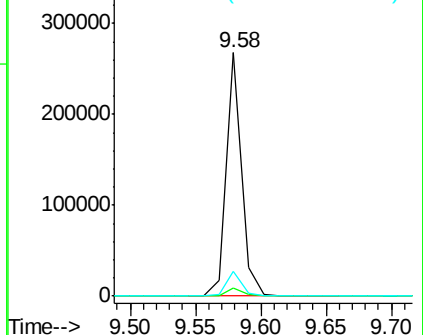


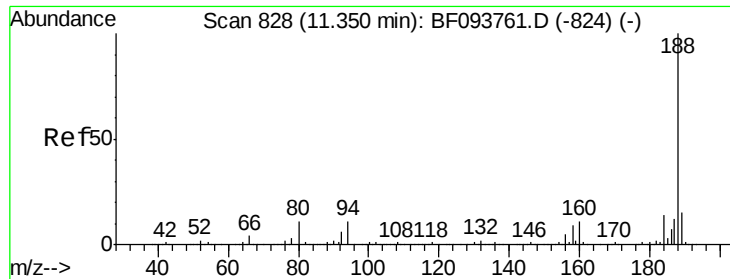
#49  
 Dimethylphthalate  
 Concen: 7.91 ng  
 RT: 9.58 min Scan# 673  
 Delta R.T. -0.01 min  
 Lab File: BF093806.D  
 Acq: 21 Mar 2017 18:54

Tgt Ion:163 Resp: 219202  
 Ion Ratio Lower Upper  
 163 100  
 194 3.3 2.6 4.0  
 164 10.2 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

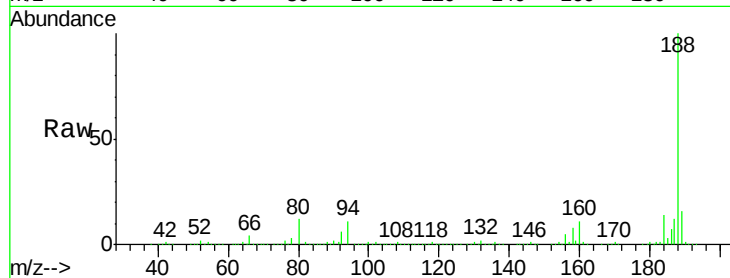




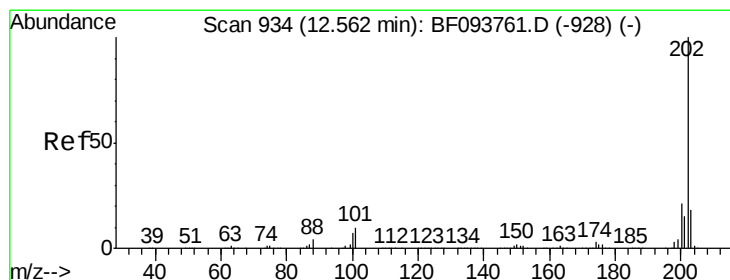
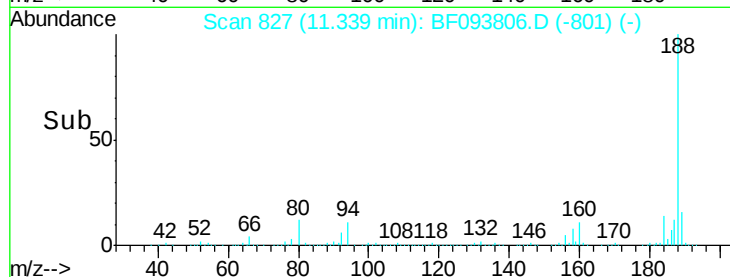
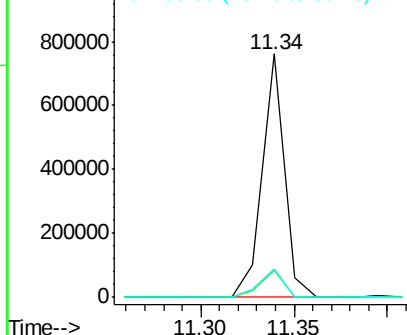
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.34 min Scan# 827  
Delta R.T. -0.00 min  
Lab File: BF093806.D  
Acq: 21 Mar 2017 18:54

Instrument :  
BNA\_F  
ClientSampleId :  
FK-SF-01-002-A

Tgt Ion:188 Resp: 638292  
Ion Ratio Lower Upper  
188 100  
94 11.2 9.4 14.2  
80 11.7 10.2 15.2

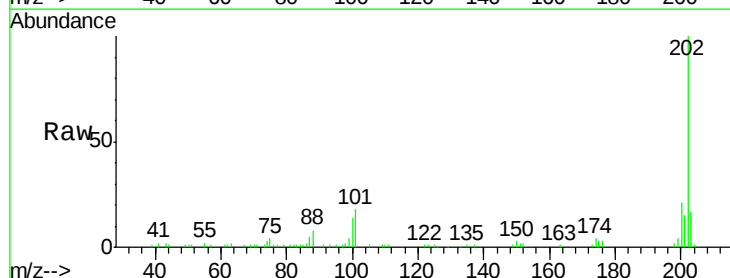


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

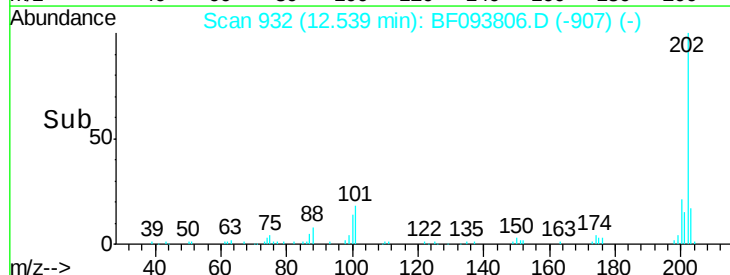
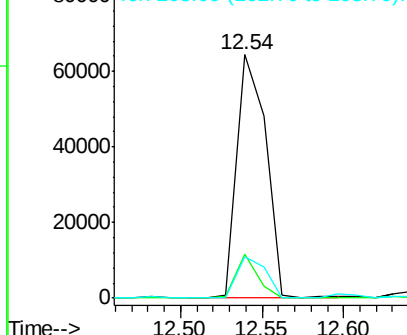


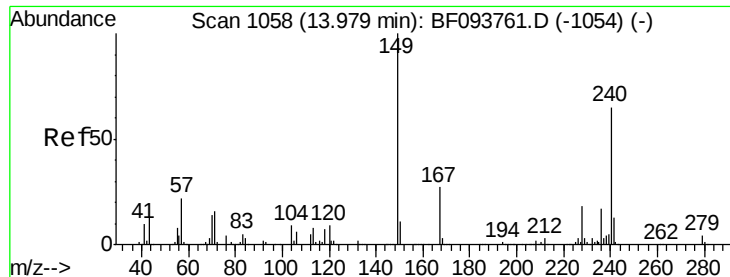
#74  
Fluoranthene  
Concen: 2.26 ng  
RT: 12.54 min Scan# 932  
Delta R.T. -0.01 min  
Lab File: BF093806.D  
Acq: 21 Mar 2017 18:54

Tgt Ion:202 Resp: 79053  
Ion Ratio Lower Upper  
202 100  
101 18.1 0.0 33.2  
203 17.1 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.97 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

Instrument :

BNA\_F

ClientSampleId :

FK-SF-01-002-A

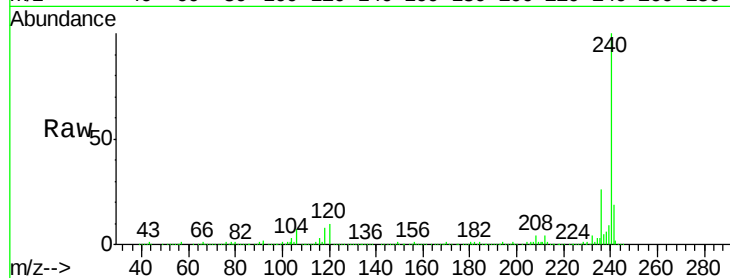
Tgt Ion:240 Resp: 409470

Ion Ratio Lower Upper

240 100

120 9.6 5.8 8.8#

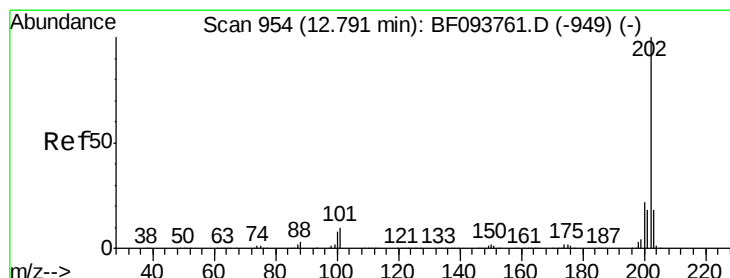
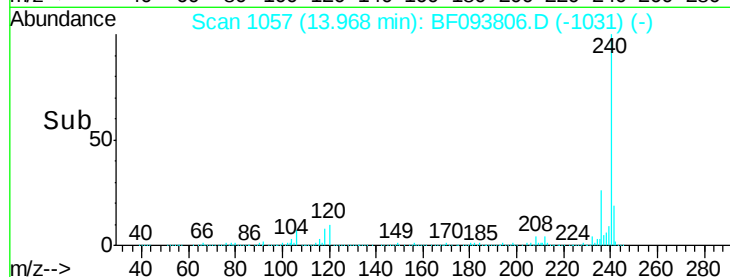
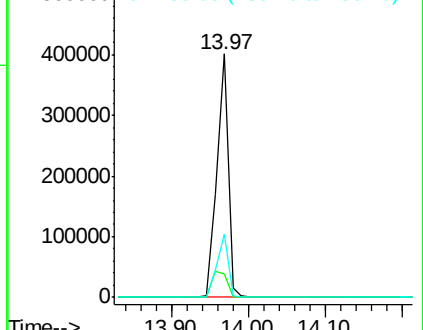
236 25.7 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.18 ng

RT: 12.77 min Scan# 952

Delta R.T. -0.01 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

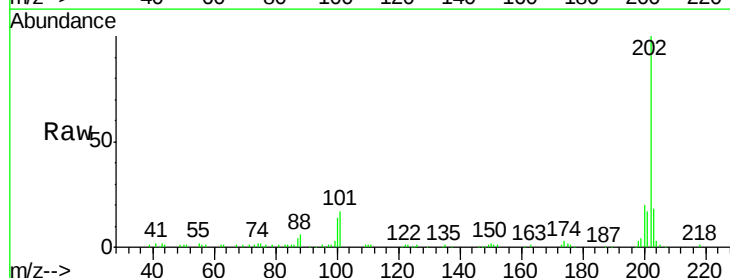
Tgt Ion:202 Resp: 74409

Ion Ratio Lower Upper

202 100

200 19.8 17.6 26.4

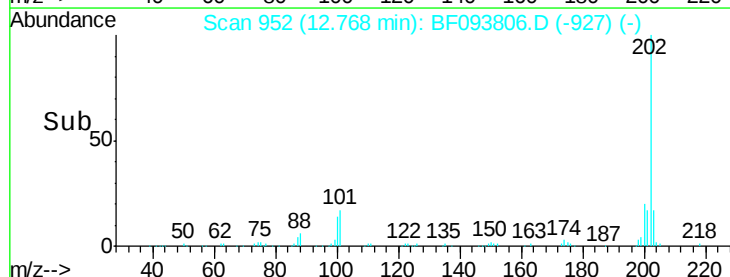
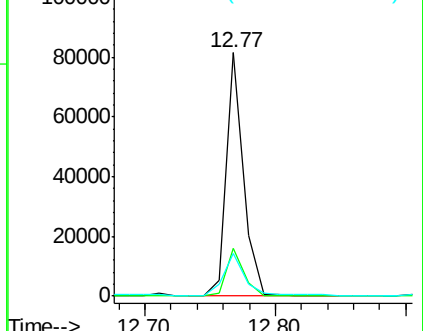
203 17.7 14.4 21.6

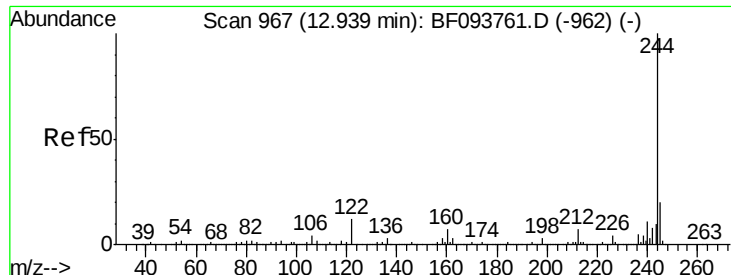


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 56.49 ng

RT: 12.93 min Scan# 966

Delta R.T. -0.00 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

Instrument :

BNA\_F

ClientSampleId :

FK-SF-01-002-A

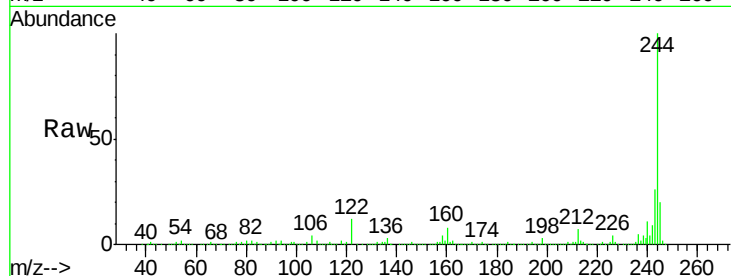
Tgt Ion:244 Resp: 1134455

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

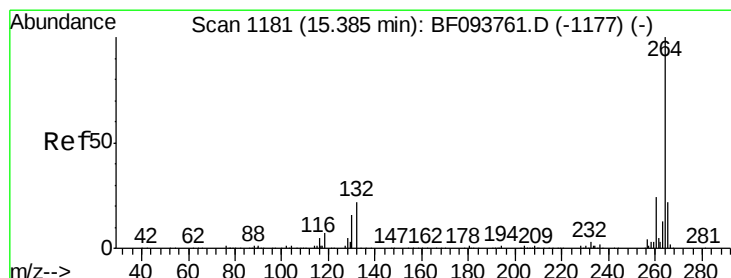
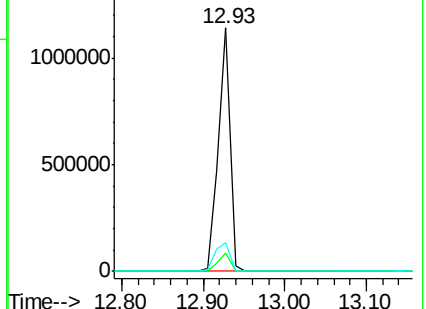
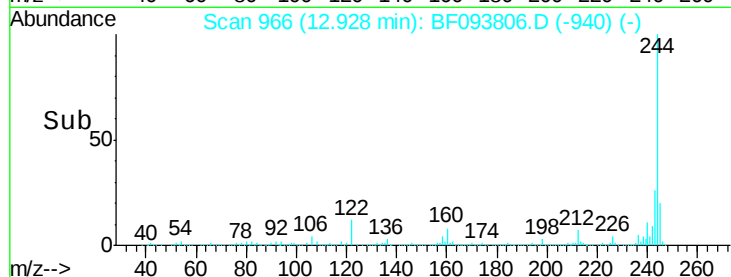
122 11.7 10.3 15.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.37 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BF093806.D

Acq: 21 Mar 2017 18:54

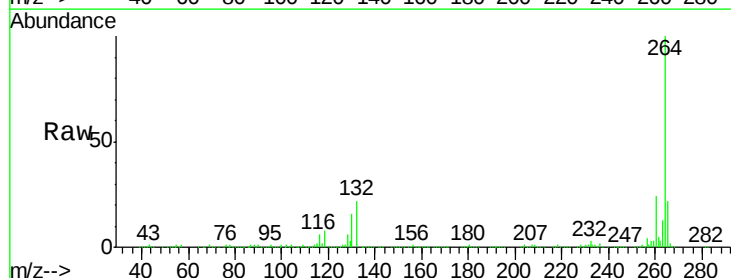
Tgt Ion:264 Resp: 352856

Ion Ratio Lower Upper

264 100

260 24.3 19.5 29.3

265 21.5 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

