

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100117\  
 Data File : BF098996.D  
 Acq On : 1 Oct 2017 17:08  
 Operator : SJ/JU  
 Sample : I5551-06  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-03-092917-B

Quant Time: Oct 02 07:49:14 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Sep 23 13:50:58 2017  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.90  | 152  | 131761   | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.18  | 136  | 543078   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 9.94  | 164  | 237283   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 11.43 | 188  | 385714   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 14.07 | 240  | 220086   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.56 | 264  | 224298   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.54  | 112  | 1000272  | 120.85 | ng    | 0.00     |
| 7) Phenol-d6                | 6.53  | 99   | 1092428  | 106.99 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.46  | 82   | 803482   | 94.88  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.73 | 330  | 249572   | 128.54 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.26  | 172  | 1404602  | 98.82  | ng    | -0.02    |
| 78) Terphenyl-d14           | 13.02 | 244  | 964427   | 99.66  | ng    | -0.02    |

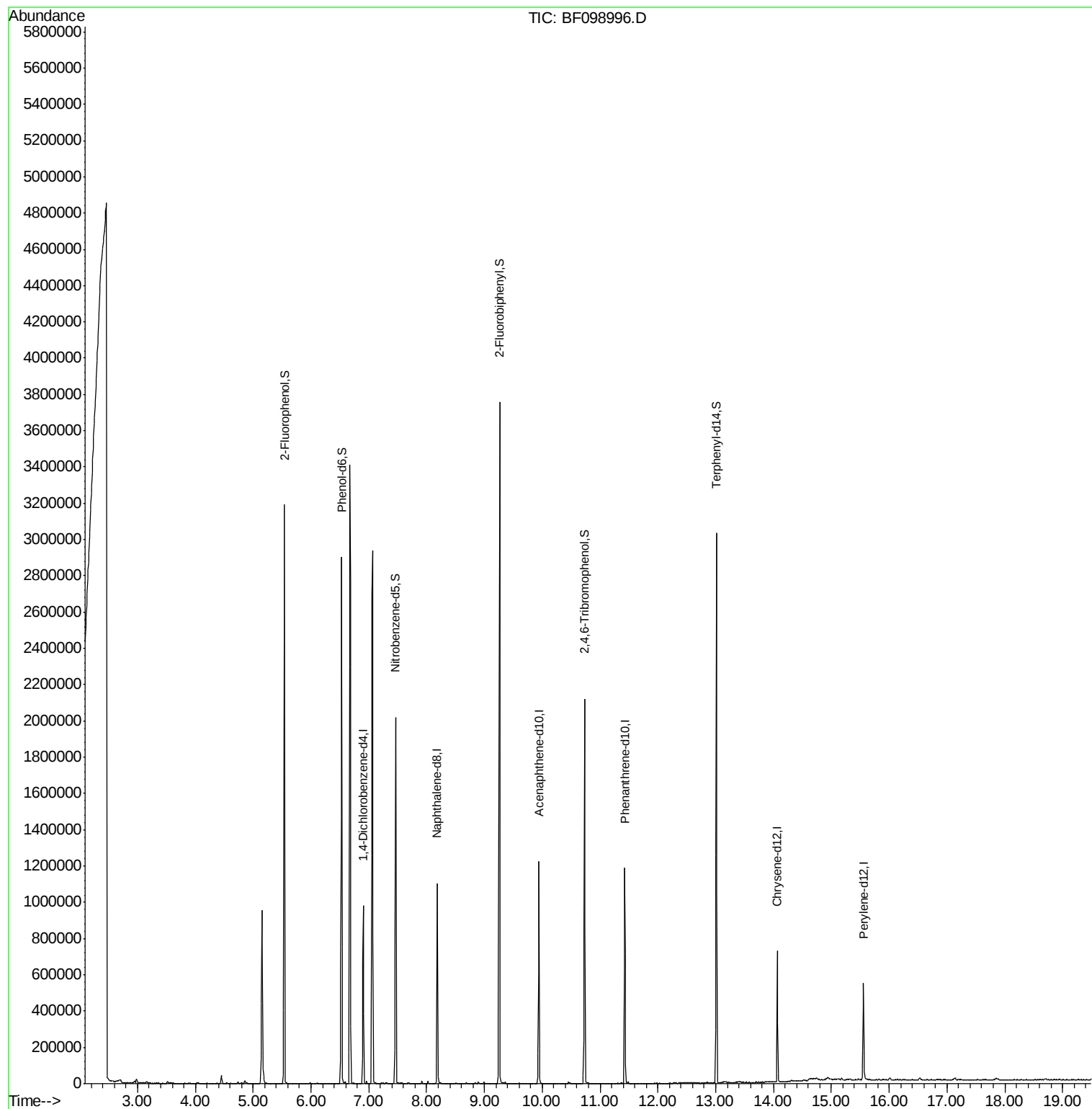
Target Compounds Qvalue

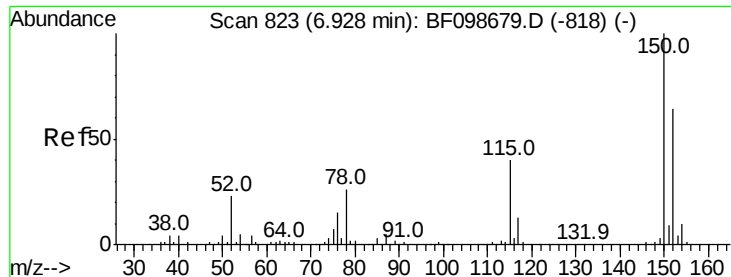
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF098996.D  
Acq On : 1 Oct 2017 17:08  
Operator : SJ/JU  
Sample : I5551-06  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-092917-B

Quant Time: Oct 02 07:49:14 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Sat Sep 23 13:50:58 2017  
Response via : Initial Calibration



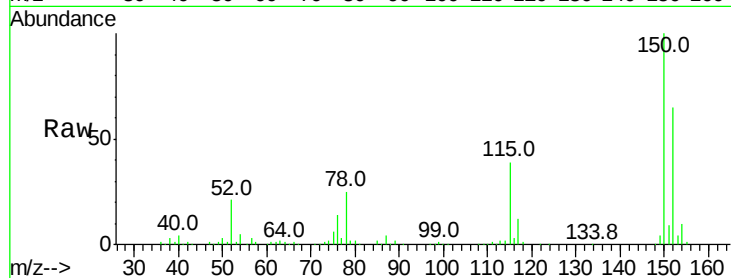


#1

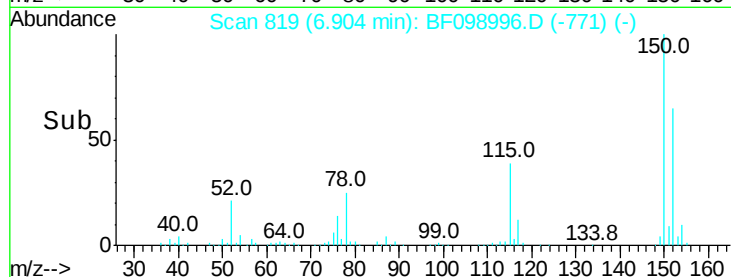
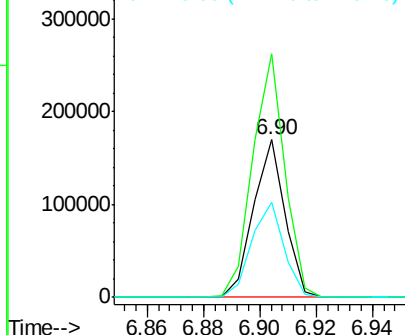
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.90 min Scan# 819  
Delta R.T. -0.02 min  
Lab File: BF098996.D  
Acq: 1 Oct 2017 17:08

Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-092917-B

Tot Ion:152 Resp: 131761  
Ion Ratio Lower Upper  
152 100  
150 154.8 124.6 186.8  
115 60.5 50.1 75.1



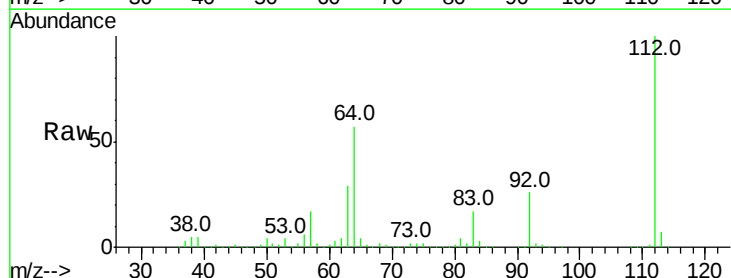
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



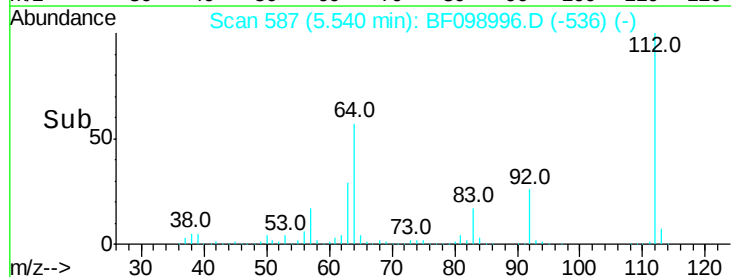
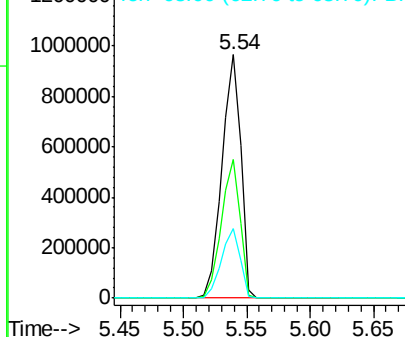
#5

2-Fluorophenol  
Concen: 120.850 ng  
RT: 5.54 min Scan# 587  
Delta R.T. -0.00 min  
Lab File: BF098996.D  
Acq: 1 Oct 2017 17:08

Tgt Ion:112 Resp: 1000272  
Ion Ratio Lower Upper  
112 100  
64 56.9 47.9 71.9  
63 28.7 23.7 35.5



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: 106.990 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098996.D

Acq: 1 Oct 2017 17:08

Instrument :

BNA\_F

ClientSampleId :

JC-03-092917-B

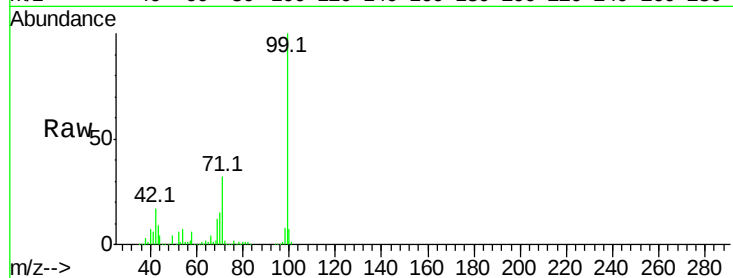
Tot Ion: 99 Resp: 1092428

Ion Ratio Lower Upper

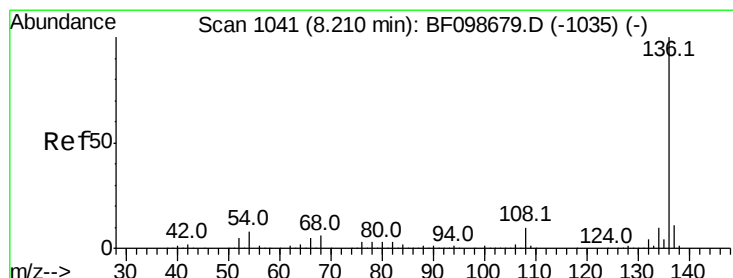
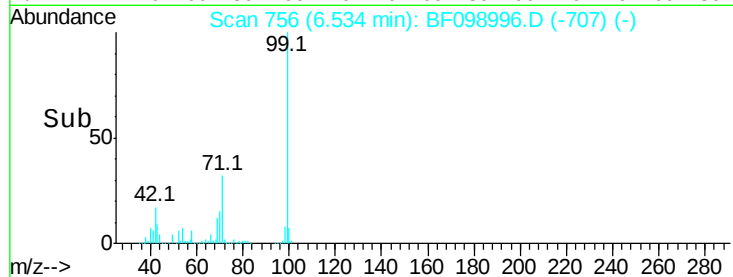
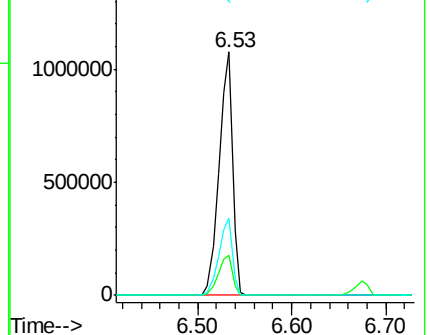
99 100

42 16.7 14.5 21.7

71 31.6 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF098996.D

Acq: 1 Oct 2017 17:08

Tgt Ion: 136 Resp: 543078

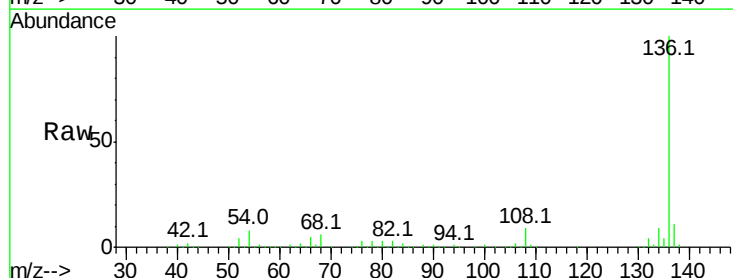
Ion Ratio Lower Upper

136 100

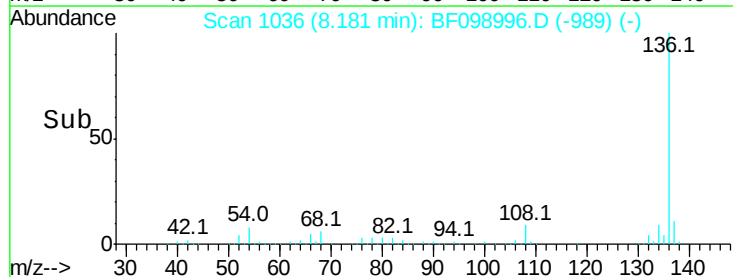
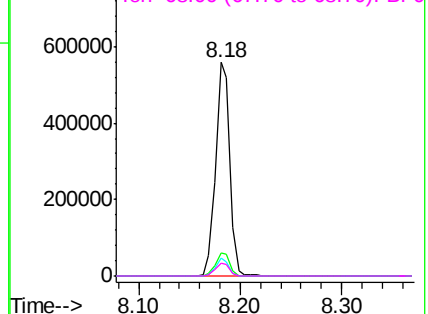
137 10.8 8.9 13.3

54 8.2 6.6 9.8

68 6.2 5.0 7.4



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

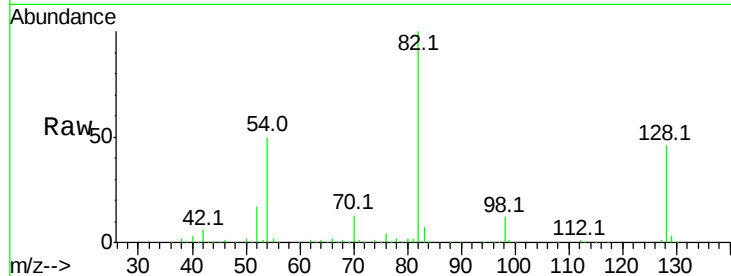




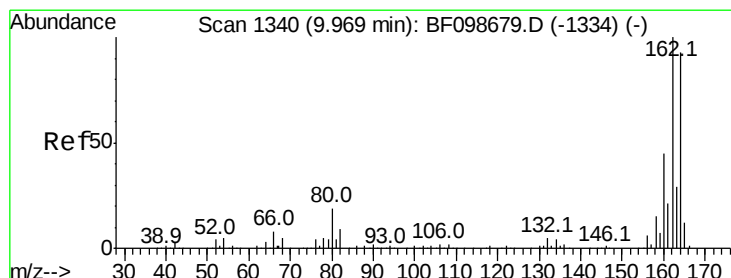
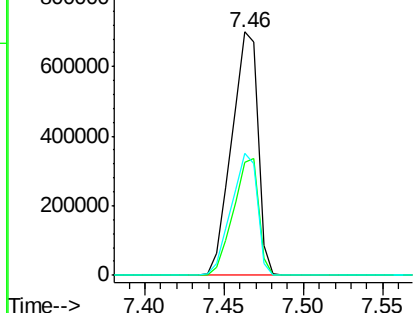
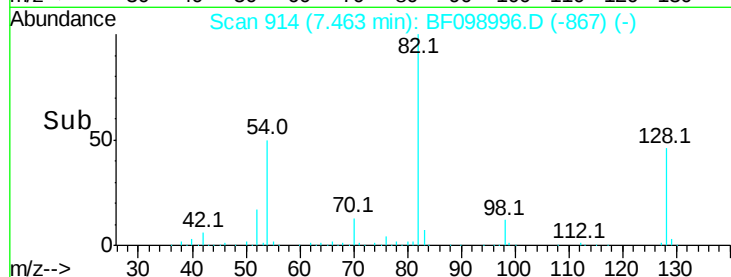
#23  
Nitrobenzene-d5  
Concen: 94.880 ng  
RT: 7.46 min Scan# 914  
Delta R.T. -0.02 min  
Lab File: BF098996.D  
Acq: 1 Oct 2017 17:08

Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-092917-B

Tot Ion: 82 Resp: 803482  
Ion Ratio Lower Upper  
82 100  
128 46.4 36.1 54.1  
54 49.9 41.4 62.2

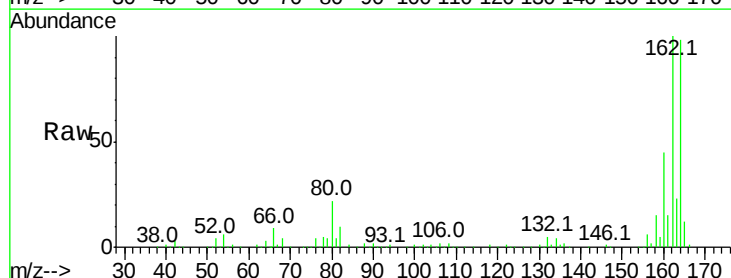


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): B  
Ion 54.00 (53.70 to 54.70): BF0

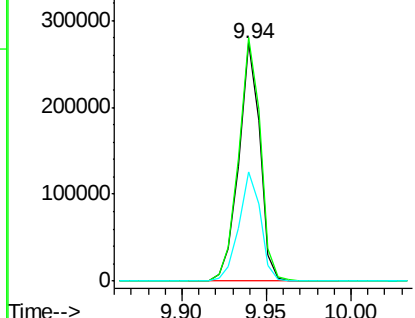
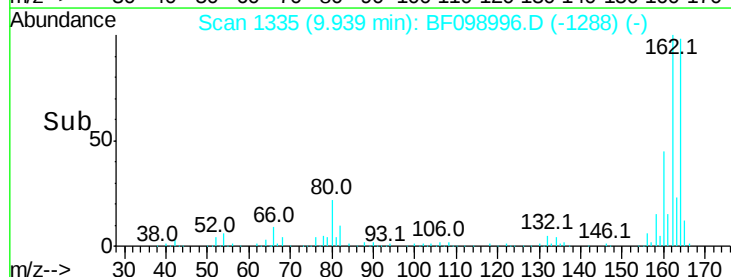


#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.94 min Scan# 1335  
Delta R.T. -0.02 min  
Lab File: BF098996.D  
Acq: 1 Oct 2017 17:08

Tgt Ion:164 Resp: 237283  
Ion Ratio Lower Upper  
164 100  
162 102.3 86.1 129.1  
160 45.7 38.3 57.5



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

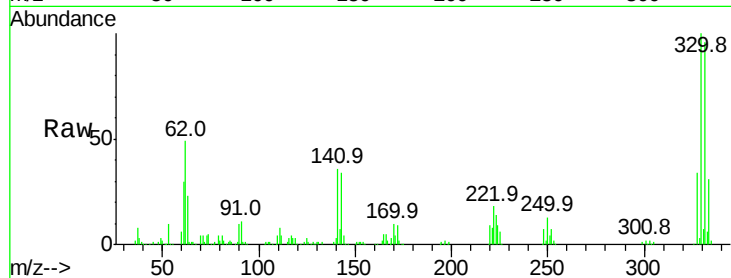




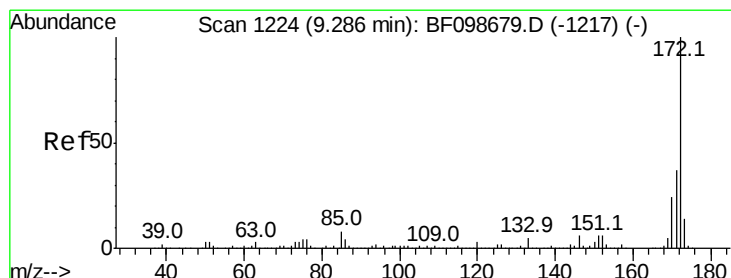
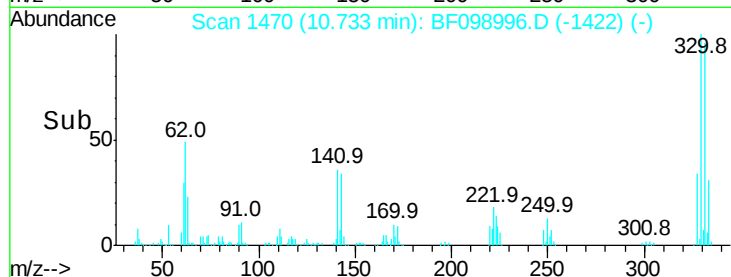
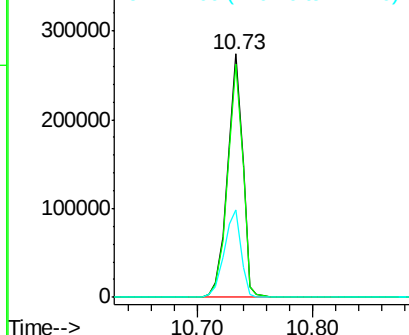
#41  
 2,4,6-Tribromophenol  
 Concen: 128.538 ng  
 RT: 10.73 min Scan# 1470  
 Delta R.T. -0.02 min  
 Lab File: BF098996.D  
 Acq: 1 Oct 2017 17:08

Instrument :  
 BNA\_F  
 ClientSampleId :  
 JC-03-092917-B

Tot Ion:330 Resp: 249572  
 Ion Ratio Lower Upper  
 330 100  
 332 96.6 77.0 115.6  
 141 39.8 29.9 44.9

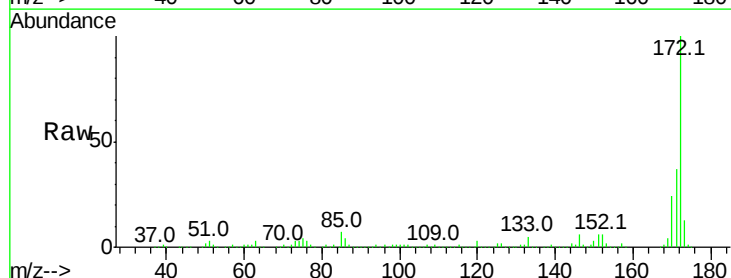


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

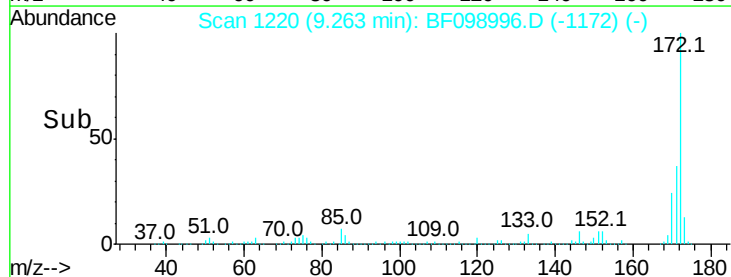
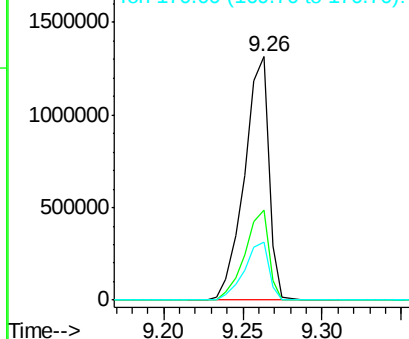


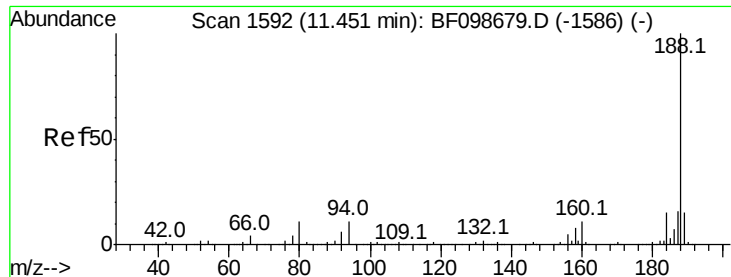
#44  
 2-Fluorobiphenyl  
 Concen: 98.821 ng  
 RT: 9.26 min Scan# 1220  
 Delta R.T. -0.02 min  
 Lab File: BF098996.D  
 Acq: 1 Oct 2017 17:08

Tgt Ion:172 Resp: 1404602  
 Ion Ratio Lower Upper  
 172 100  
 171 37.1 29.7 44.5  
 170 24.0 19.6 29.4



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

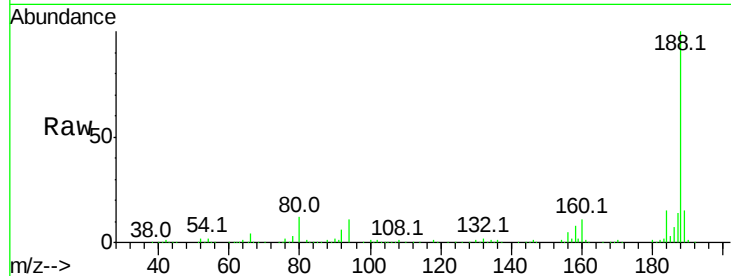




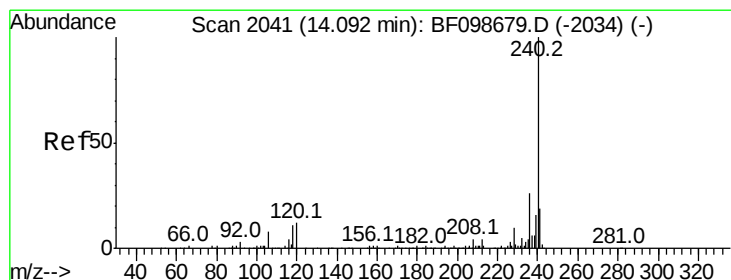
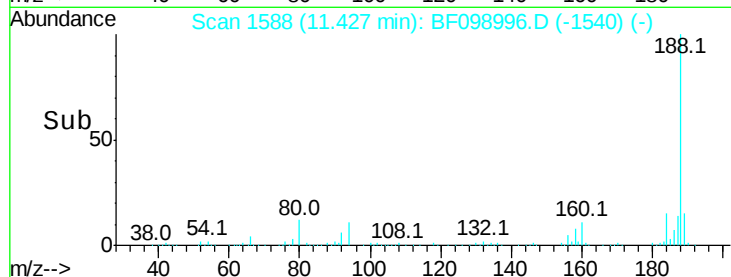
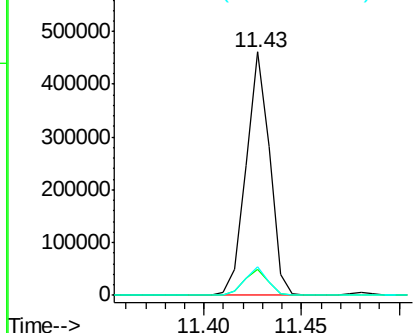
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.43 min Scan# 1588  
Delta R.T. -0.02 min  
Lab File: BF098996.D  
Acq: 1 Oct 2017 17:08

Instrument :  
BNA\_F  
ClientSampleId :  
JC-03-092917-B

Tot Ion:188 Resp: 385714  
Ion Ratio Lower Upper  
188 100  
94 10.8 8.5 12.7  
80 11.9 9.2 13.8

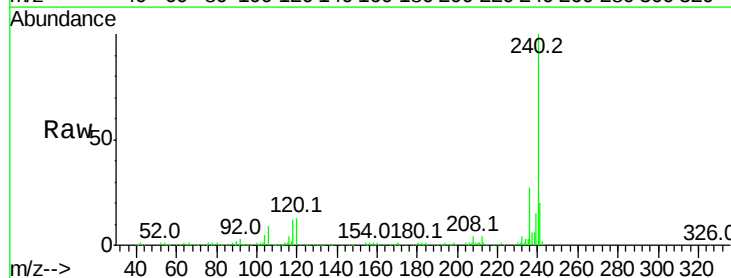


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

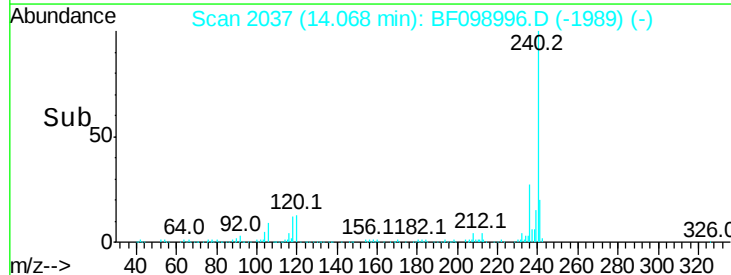
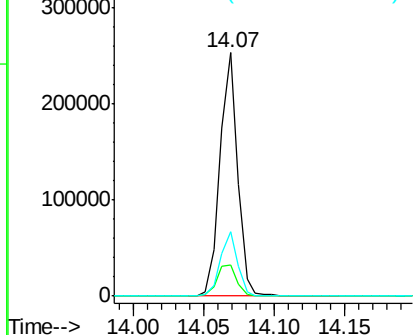


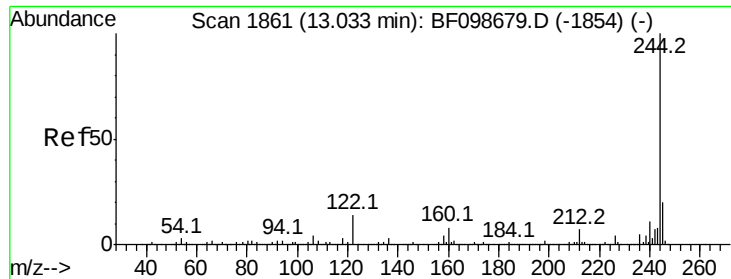
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.07 min Scan# 2037  
Delta R.T. -0.02 min  
Lab File: BF098996.D  
Acq: 1 Oct 2017 17:08

Tgt Ion:240 Resp: 220086  
Ion Ratio Lower Upper  
240 100  
120 13.0 9.5 14.3  
236 26.6 20.7 31.1



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





#78

Terphenyl-d14

Concen: 99.657 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF098996.D

Acq: 1 Oct 2017 17:08

Instrument :

BNA\_F

ClientSampleId :

JC-03-092917-B

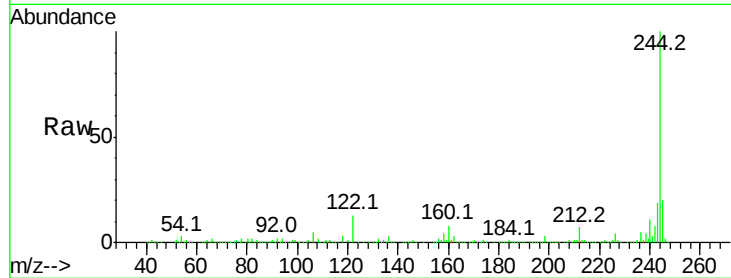
Tot Ion:244 Resp: 964427

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

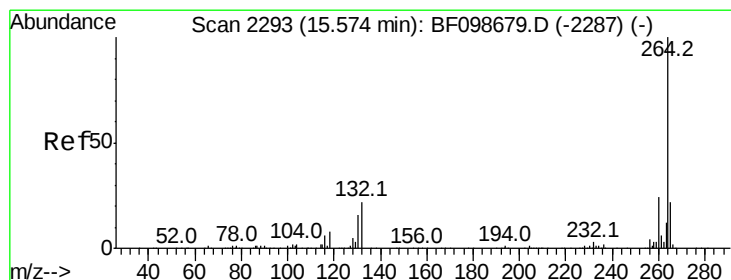
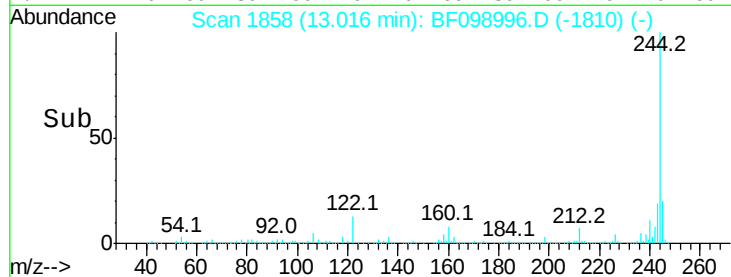
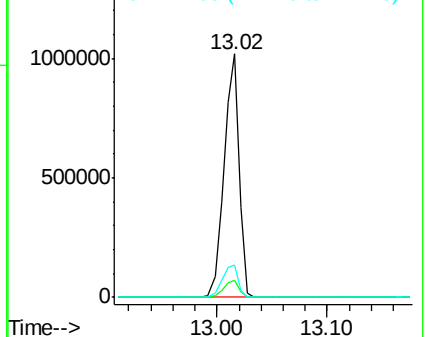
122 13.4 11.0 16.4



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: 20.000 ng

RT: 15.56 min Scan# 2290

Delta R.T. -0.02 min

Lab File: BF098996.D

Acq: 1 Oct 2017 17:08

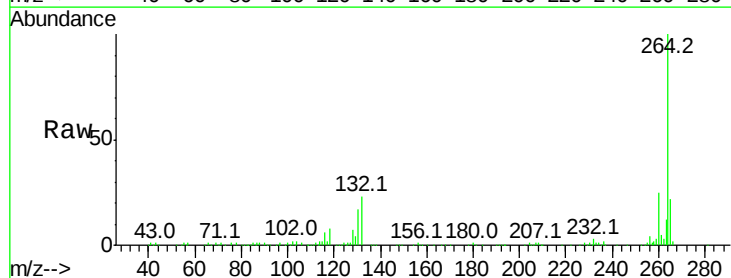
Tgt Ion:264 Resp: 224298

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

265 22.0 17.5 26.3



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

