

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100417\  
 Data File : BF099077.D  
 Acq On : 4 Oct 2017 20:04  
 Operator : SJ/JU  
 Sample : I5526-05  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 QNWP8-EQUIP-BLANK

Quant Time: Oct 05 05:10:39 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   | 6.86  | 152  | 145856   | 20.00  | ng    | -0.06    |
| 21) Naphthalene-d8          | 8.15  | 136  | 601038   | 20.00  | ng    | -0.06    |
| 38) Acenaphthene-d10        | 9.90  | 164  | 272997   | 20.00  | ng    | -0.06    |
| 63) Phenanthrene-d10        | 11.39 | 188  | 483117   | 20.00  | ng    | -0.06    |
| 75) Chrysene-d12            | 14.03 | 240  | 328421   | 20.00  | ng    | -0.06    |
| 86) Perylene-d12            | 15.50 | 264  | 245476   | 20.00  | ng    | -0.08    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.49  | 112  | 622146   | 67.90  | ng    | -0.05    |
| 7) Phenol-d6                | 6.49  | 99   | 472531   | 41.81  | ng    | -0.05    |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 919940   | 98.16  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 10.70 | 330  | 311576   | 139.48 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 1562913  | 95.57  | ng    | -0.06    |
| 78) Terphenyl-d14           | 12.98 | 244  | 1361708  | 94.29  | ng    | -0.05    |

Target Compounds Qvalue

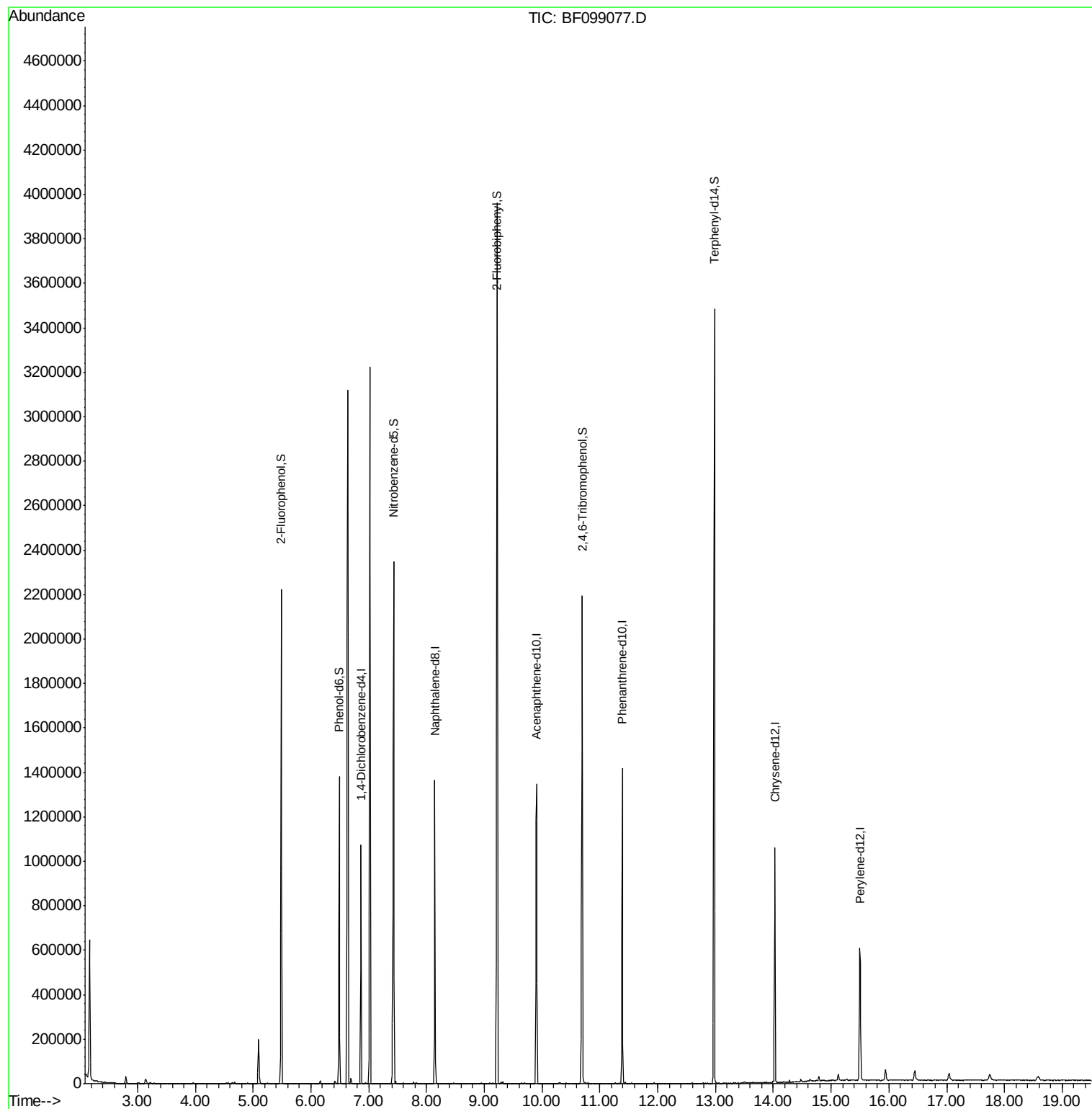
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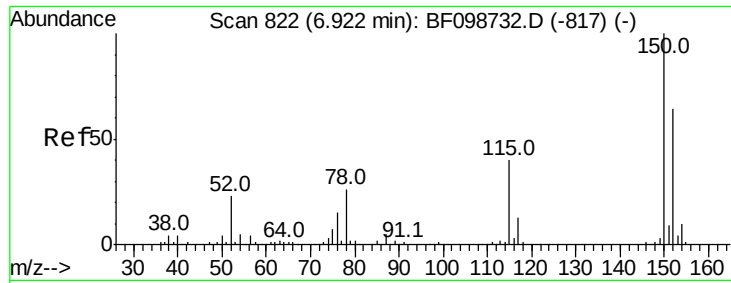
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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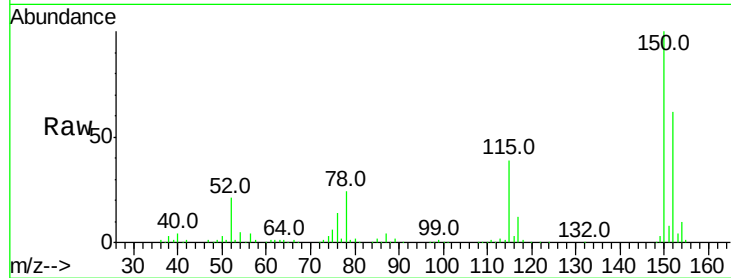


#1

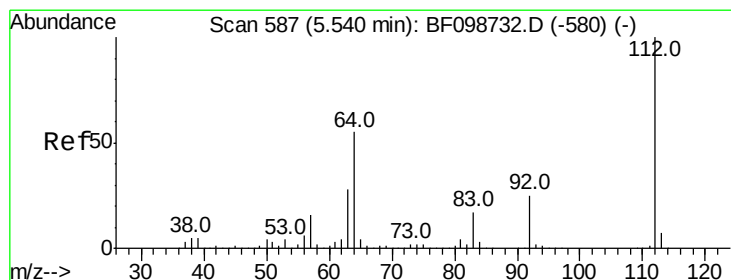
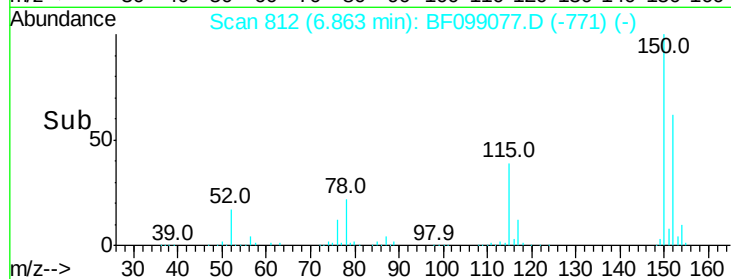
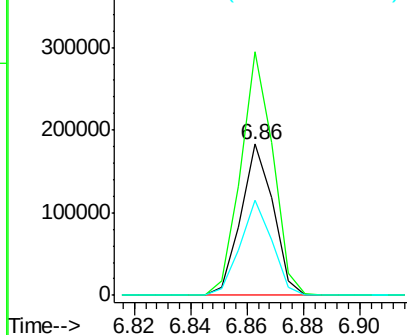
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.86 min Scan# 812  
 Delta R.T. -0.06 min  
 Lab File: BF099077.D  
 Acq: 4 Oct 2017 20:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 QNWP8-EQUIP-BLANK

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 160.9 | 124.6 | 186.8 |
| 115     | 63.2  | 50.1  | 75.1  |



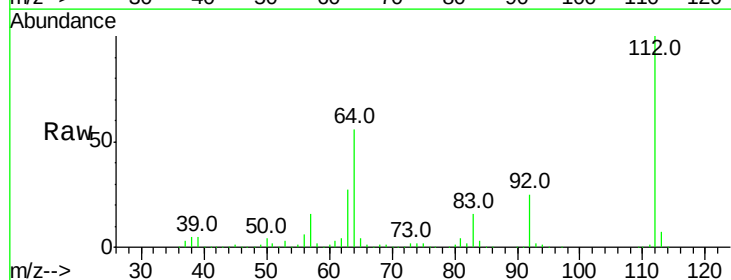
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



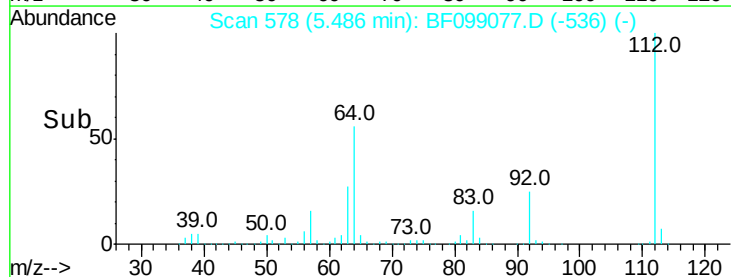
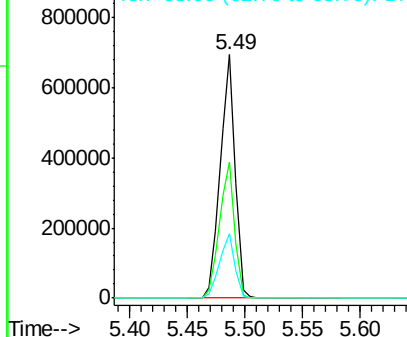
#5

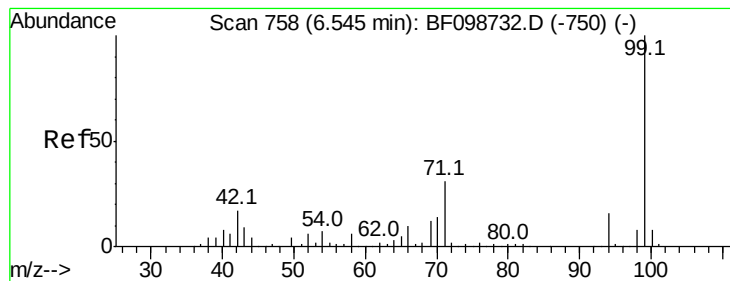
2-Fluorophenol  
 Concen: 67.902 ng  
 RT: 5.49 min Scan# 578  
 Delta R.T. -0.05 min  
 Lab File: BF099077.D  
 Acq: 4 Oct 2017 20:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.7  | 47.9  | 71.9  |
| 63      | 26.5  | 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: 41.806 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.05 min

Lab File: BF099077.D

Acq: 4 Oct 2017 20:04

Instrument :

BNA\_F

ClientSampleId :

QNWP8-EQUIP-BLANK

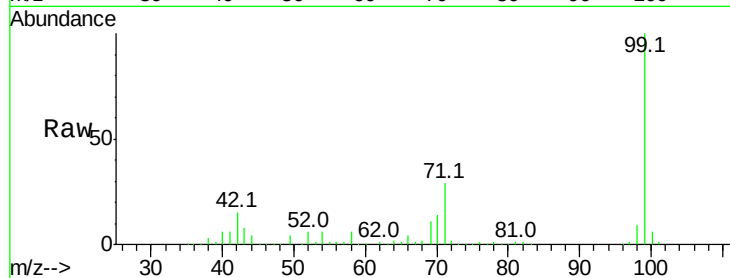
Tot Ion: 99 Resp: 472531

Ion Ratio Lower Upper

99 100

42 15.0 14.5 21.7

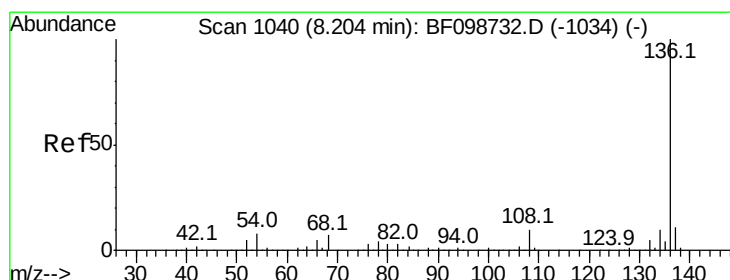
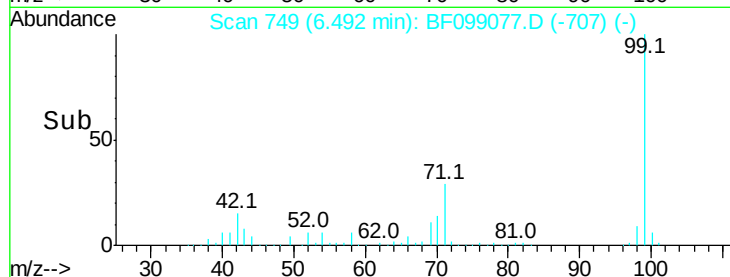
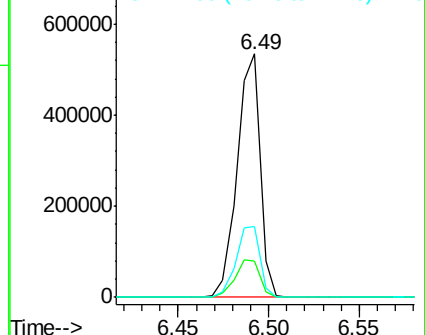
71 28.8 25.4 38.0



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: 8.15 min Scan# 1030

Delta R.T. -0.06 min

Lab File: BF099077.D

Acq: 4 Oct 2017 20:04

Tgt Ion: 136 Resp: 601038

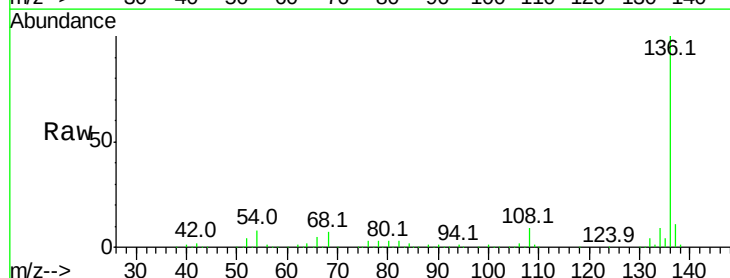
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.9 6.6 9.8

68 6.6 5.0 7.4

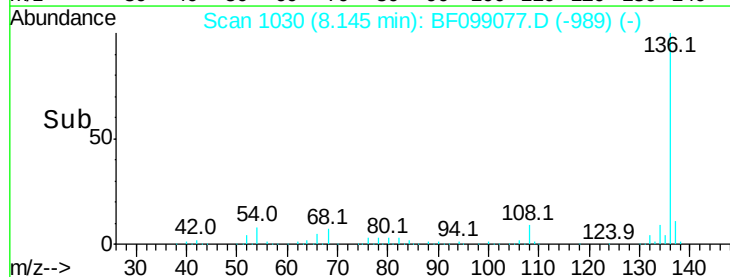
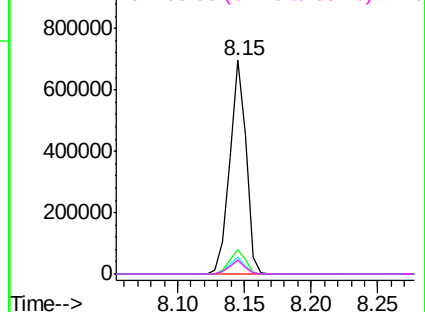


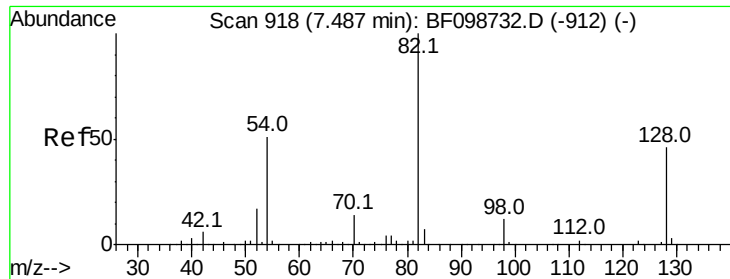
Abundance Ion 136.00 (135.70 to 136.70): E

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: 98.157 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.05 min

Lab File: BF099077.D

Acq: 4 Oct 2017 20:04

Instrument :

BNA\_F

ClientSampleId :

QNWP8-EQUIP-BLANK

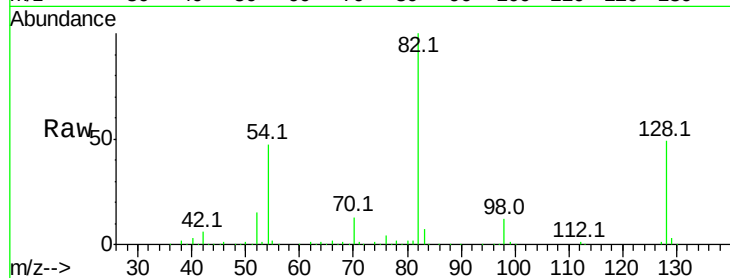
Tot Ion: 82 Resp: 919940

Ion Ratio Lower Upper

82 100

128 49.2 36.1 54.1

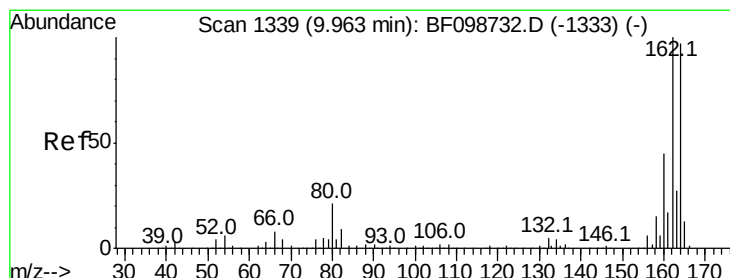
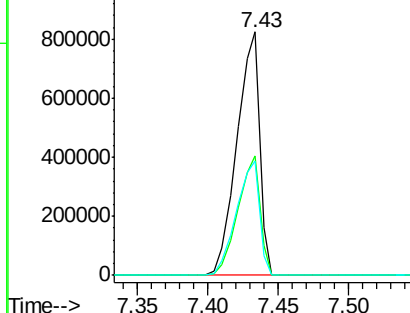
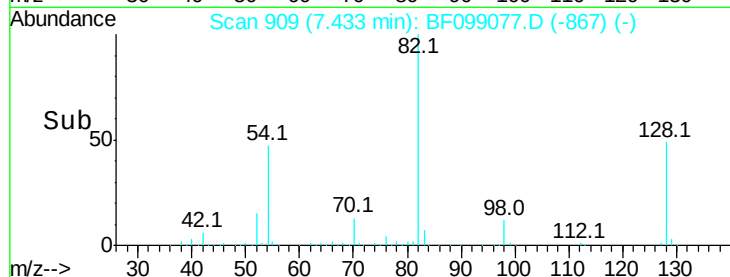
54 46.8 41.4 62.2



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.06 min

Lab File: BF099077.D

Acq: 4 Oct 2017 20:04

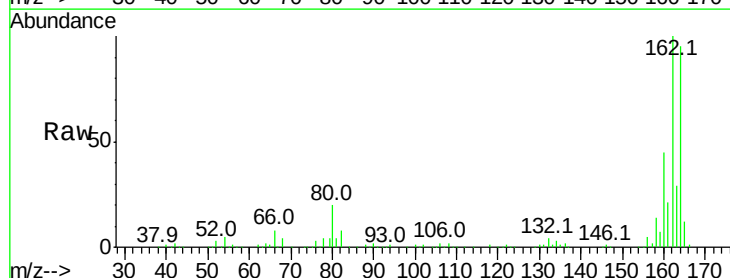
Tgt Ion:164 Resp: 272997

Ion Ratio Lower Upper

164 100

162 105.8 86.1 129.1

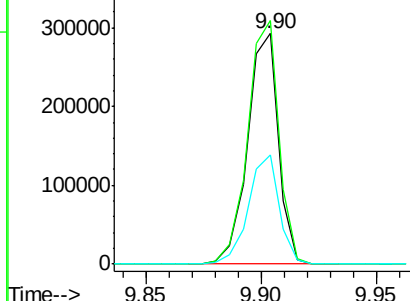
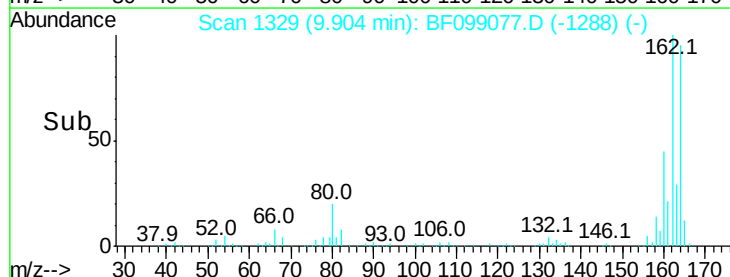
160 47.5 38.3 57.5

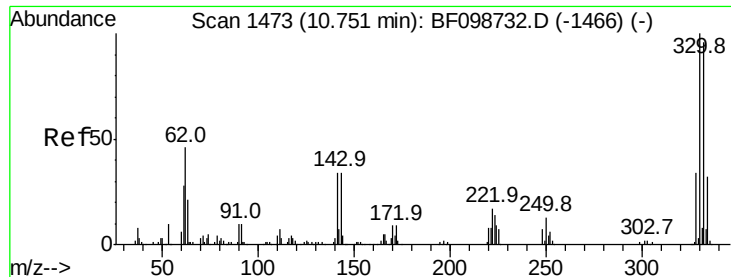


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

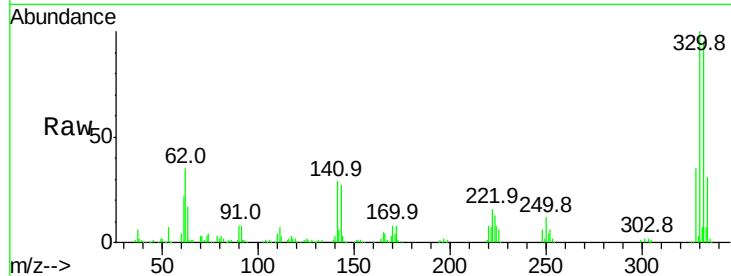




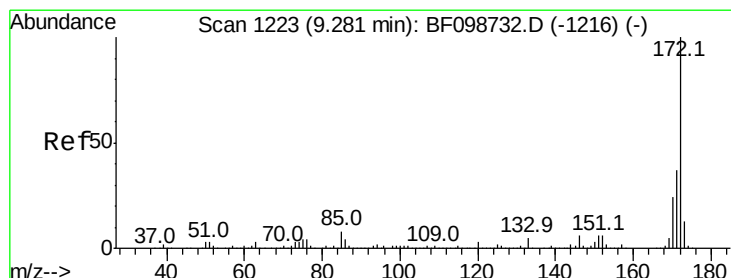
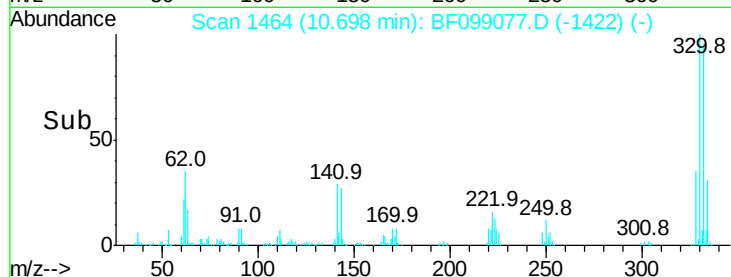
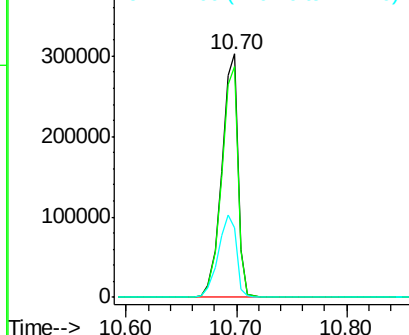
#41  
 2,4,6-Tribromophenol  
 Concen: 139.479 ng  
 RT: 10.70 min Scan# 1464  
 Delta R.T. -0.05 min  
 Lab File: BF099077.D  
 Acq: 4 Oct 2017 20:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 QNWP8-EQUIP-BLANK

Tot Ion:330 Resp: 311576  
 Ion Ratio Lower Upper  
 330 100  
 332 95.7 77.0 115.6  
 141 37.6 29.9 44.9

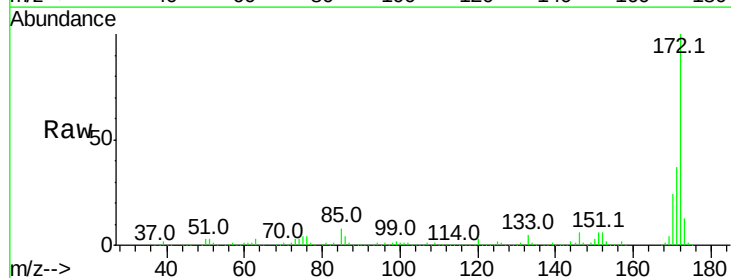


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

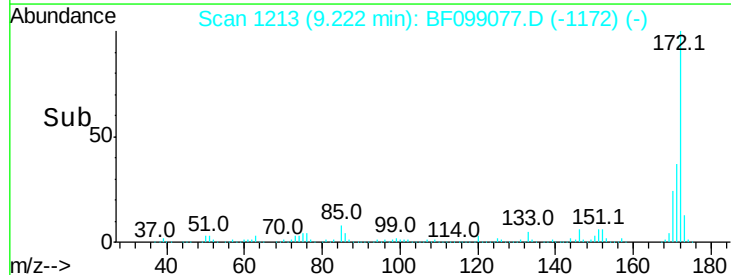
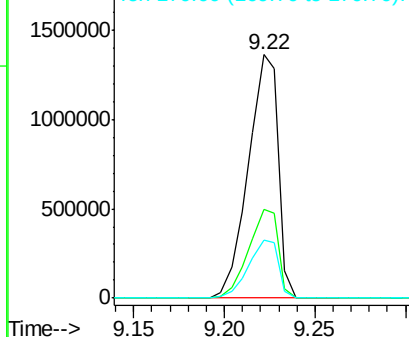


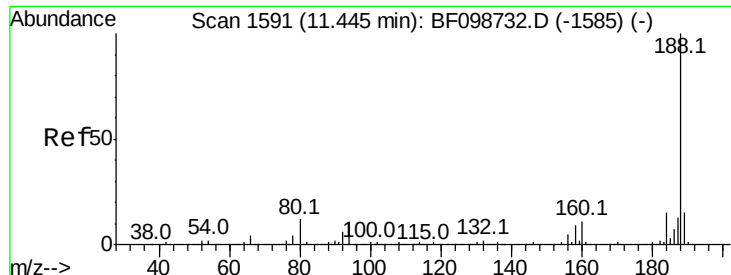
#44  
 2-Fluorobiphenyl  
 Concen: 95.574 ng  
 RT: 9.22 min Scan# 1213  
 Delta R.T. -0.06 min  
 Lab File: BF099077.D  
 Acq: 4 Oct 2017 20:04

Tgt Ion:172 Resp: 1562913  
 Ion Ratio Lower Upper  
 172 100  
 171 36.7 29.7 44.5  
 170 23.9 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

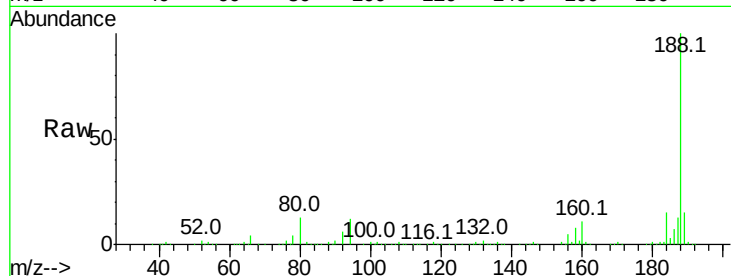




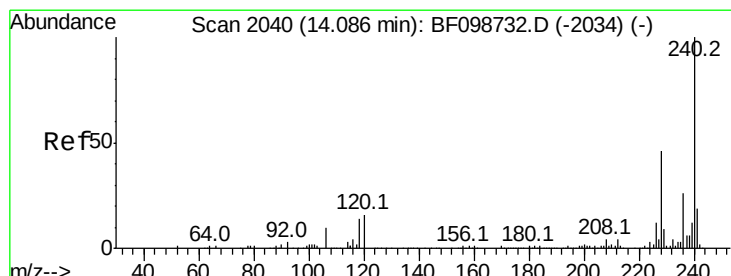
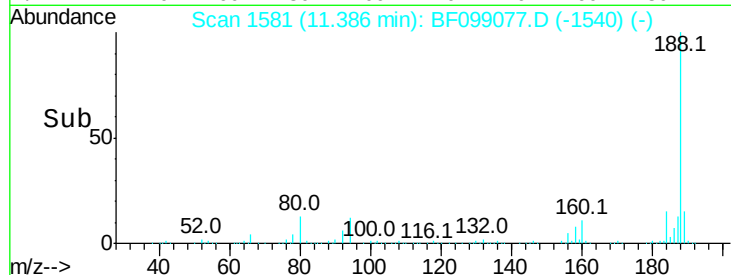
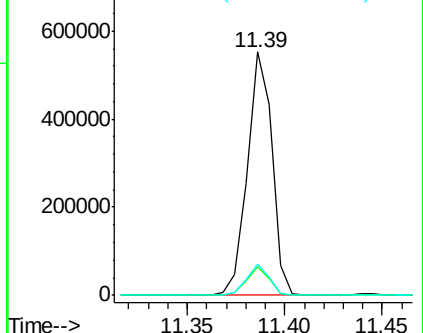
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.39 min Scan# 1581  
Delta R.T. -0.06 min  
Lab File: BF099077.D  
Acq: 4 Oct 2017 20:04

Instrument :  
BNA\_F  
ClientSampleId :  
QNWP8-EQUIP-BLANK

Tot Ion:188 Resp: 483117  
Ion Ratio Lower Upper  
188 100  
94 12.0 8.5 12.7  
80 12.5 9.2 13.8

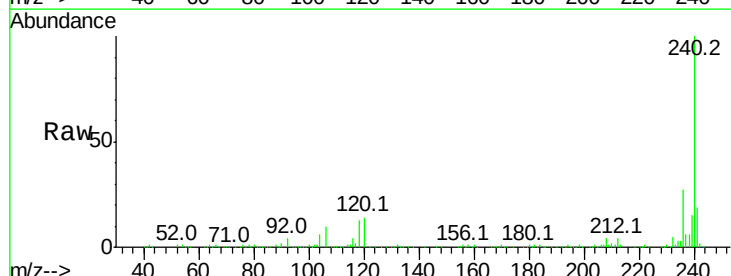


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

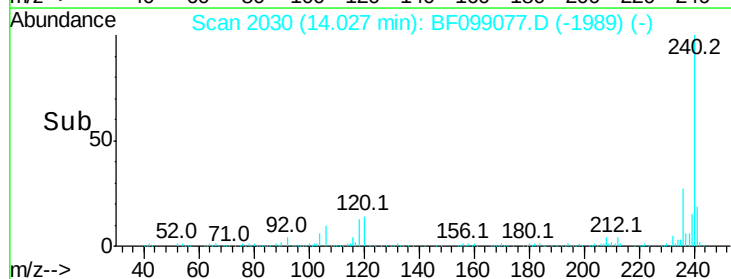
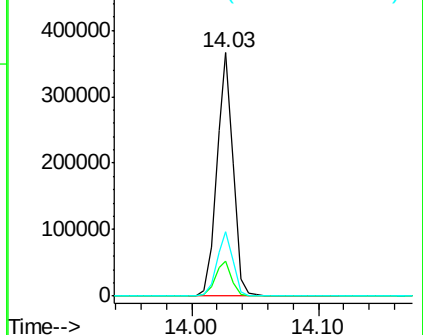


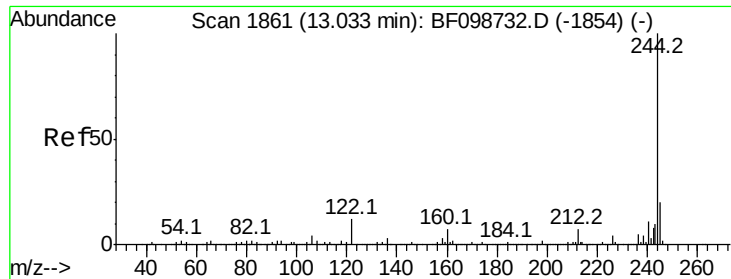
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.03 min Scan# 2030  
Delta R.T. -0.06 min  
Lab File: BF099077.D  
Acq: 4 Oct 2017 20:04

Tgt Ion:240 Resp: 328421  
Ion Ratio Lower Upper  
240 100  
120 14.4 9.5 14.3#  
236 26.5 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: 94.294 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.05 min

Lab File: BF099077.D

Acq: 4 Oct 2017 20:04

Instrument :

BNA\_F

ClientSampleId :

QNWP8-EQUIP-BLANK

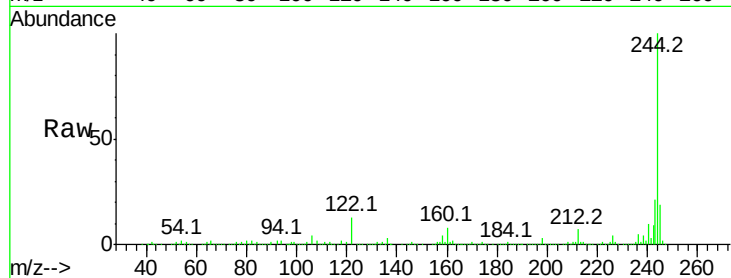
Tot Ion:244 Resp: 1361708

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

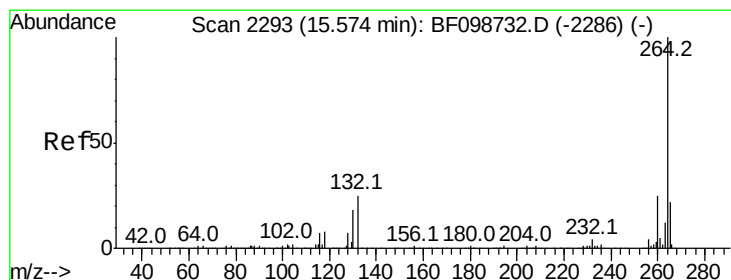
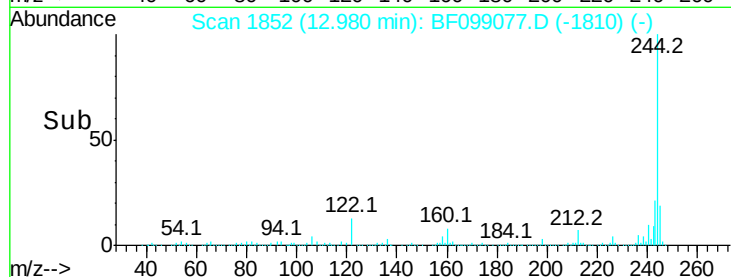
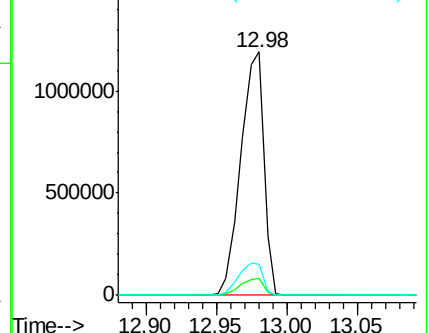
122 12.8 11.0 16.4



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: 15.50 min Scan# 2280

Delta R.T. -0.08 min

Lab File: BF099077.D

Acq: 4 Oct 2017 20:04

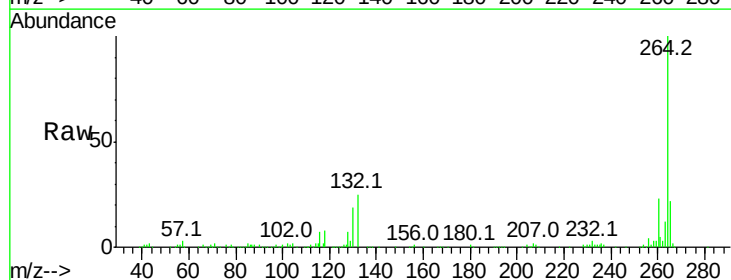
Tgt Ion:264 Resp: 245476

Ion Ratio Lower Upper

264 100

260 22.7 19.2 28.8

265 22.4 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

