

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\  
 Data File : BF102880.D  
 Acq On : 9 Feb 2018 11:23  
 Operator : SJ/JU  
 Sample : J1493-01  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1-1-4-DENSE-GRADE-AGG-RCA

Quant Time: Feb 09 14:27:57 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Feb 05 12:44:16 2018  
 Response via : Initial Calibration

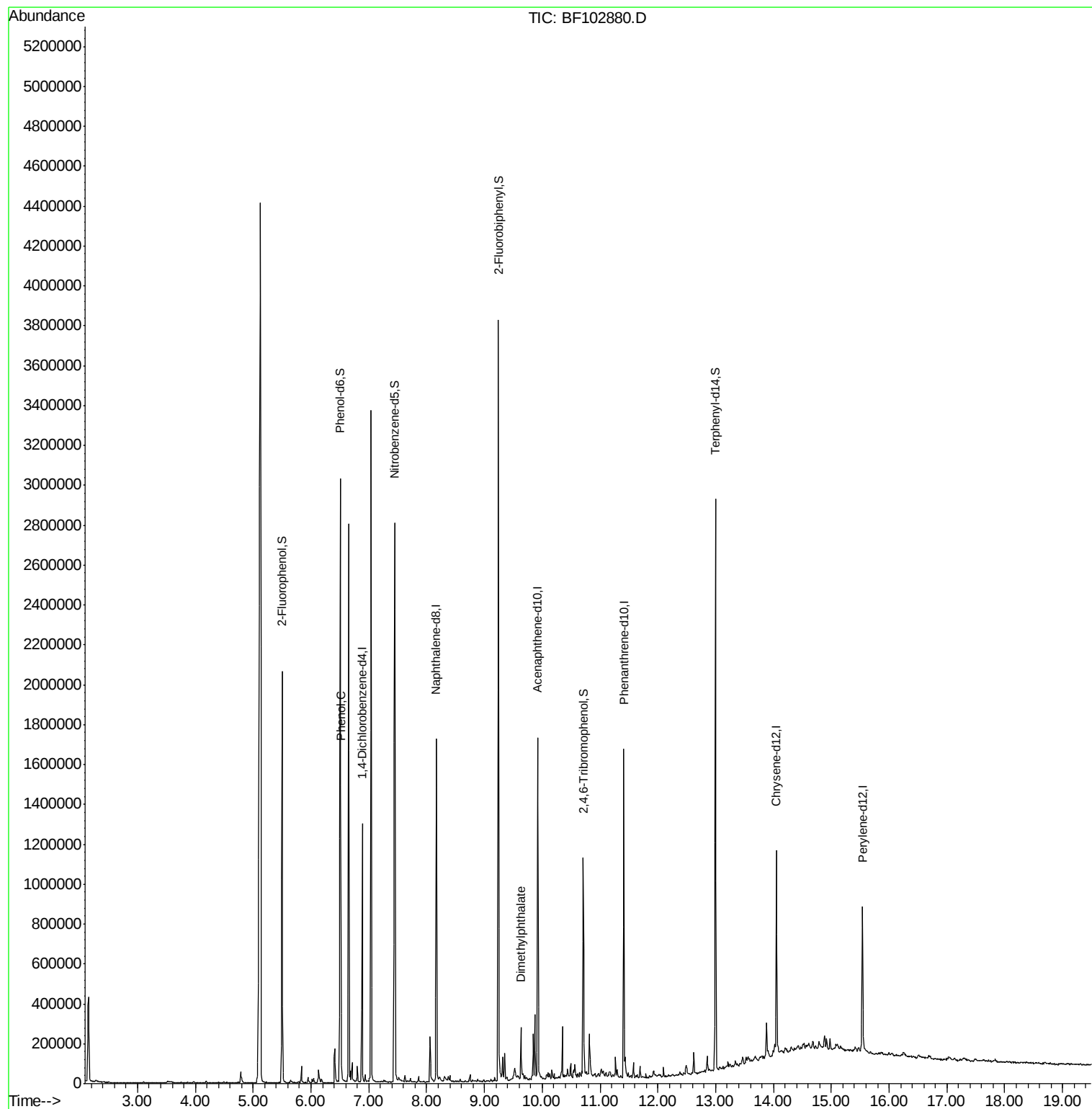
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.89  | 152  | 175756   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.17  | 136  | 743586   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.92  | 164  | 331986   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.41 | 188  | 541007   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 14.05 | 240  | 310621   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.54 | 264  | 333722   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.50  | 112  | 520179   | 44.95 | ng    | 0.00     |
| 7) Phenol-d6                | 6.51  | 99   | 1016632  | 72.96 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 909920   | 84.89 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.71 | 330  | 103907   | 38.89 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.24  | 172  | 1301732  | 65.06 | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.00 | 244  | 927162   | 70.67 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 6.52  | 94   | 56574    | 3.788 | ng    | 97       |
| 49) Dimethylphthalate       | 9.63  | 163  | 87018    | 3.362 | ng    | 99       |

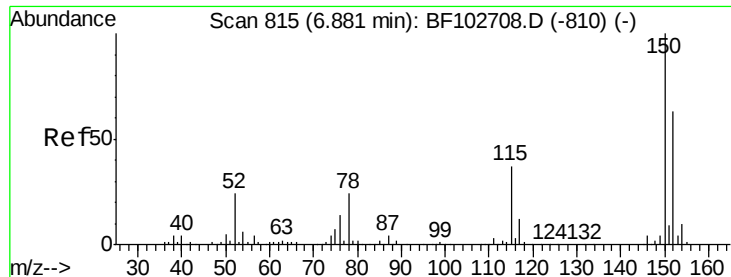
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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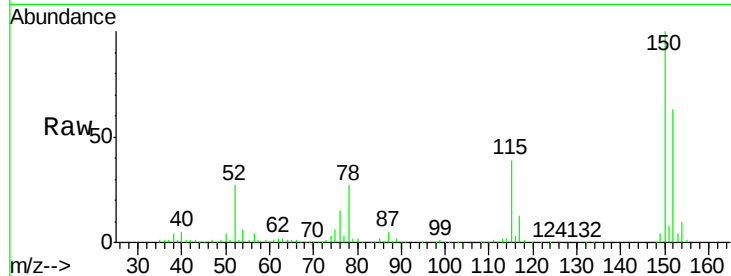


#1

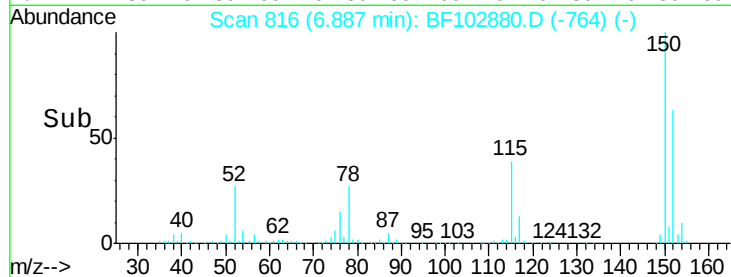
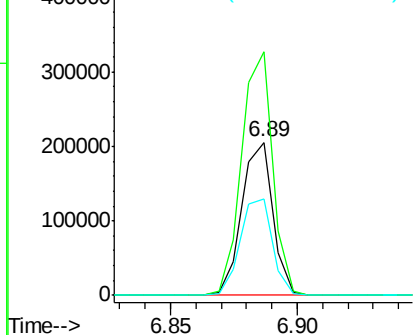
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 816  
Delta R.T. 0.01 min  
Lab File: BF102880.D  
Acq: 9 Feb 2018 11:23

Instrument :  
BNA\_F  
ClientSampleId :  
1-1-4-DENSE-GRADE-AGG-RCA

Tot Ion:152 Resp: 175756  
Ion Ratio Lower Upper  
152 100  
150 158.8 124.6 186.8  
115 62.7 50.1 75.1



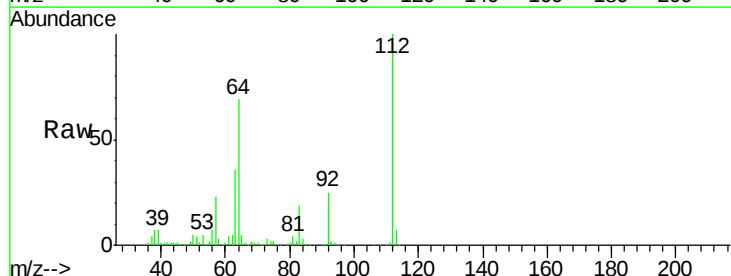
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



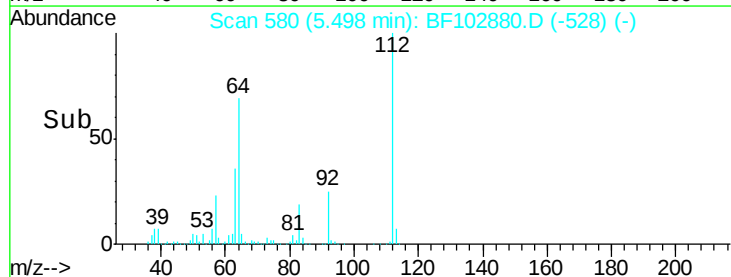
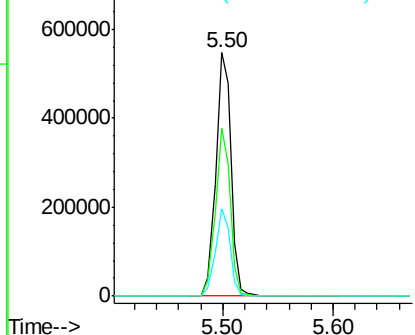
#5

2-Fluorophenol  
Concen: 44.947 ng  
RT: 5.50 min Scan# 580  
Delta R.T. 0.01 min  
Lab File: BF102880.D  
Acq: 9 Feb 2018 11:23

Tgt Ion:112 Resp: 520179  
Ion Ratio Lower Upper  
112 100  
64 68.9 47.9 71.9  
63 35.7 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BF1  
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 72.957 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102880.D

Acq: 9 Feb 2018 11:23

Instrument :

BNA\_F

ClientSampleId :

1-1-4-DENSE-GRADE-AGG-RCA

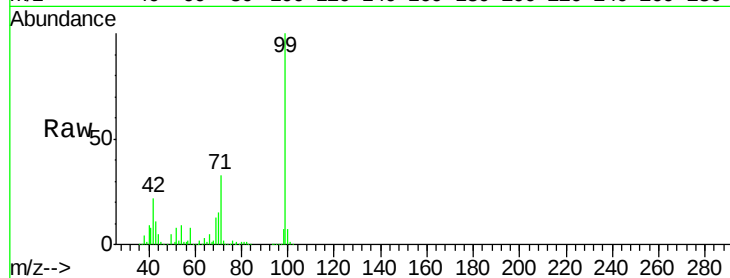
Tot Ion: 99 Resp: 1016632

Ion Ratio Lower Upper

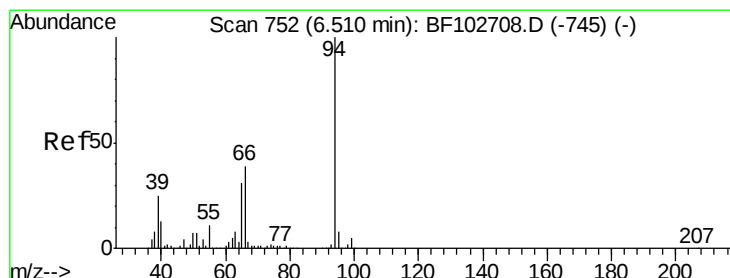
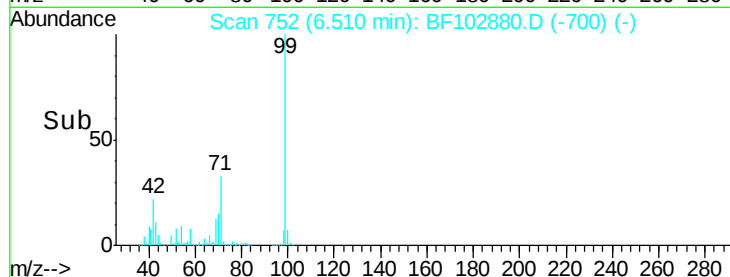
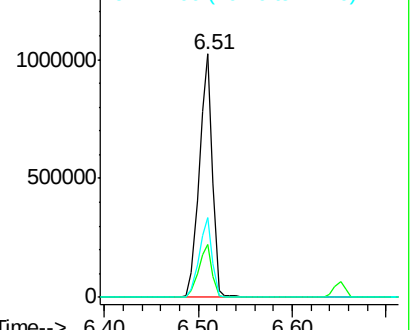
99 100

42 21.6 14.5 21.7

71 33.0 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1  
Ion 42.00 (41.70 to 42.70): BF1  
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.788 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF102880.D

Acq: 9 Feb 2018 11:23

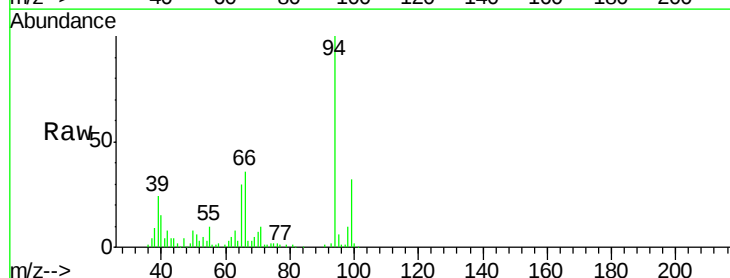
Tgt Ion: 94 Resp: 56574

Ion Ratio Lower Upper

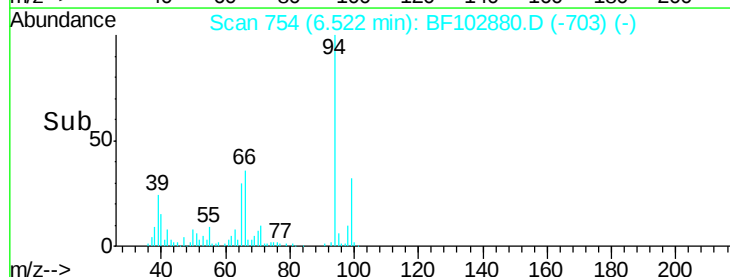
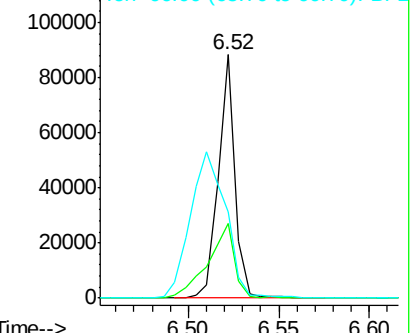
94 100

65 30.5 7.9 47.9

66 35.5 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. 0.00 min

Lab File: BF102880.D

Acq: 9 Feb 2018 11:23

Instrument :

BNA\_F

ClientSampleId :

1-1-4-DENSE-GRADE-AGG-RCA

Tot Ion:136 Resp: 743586

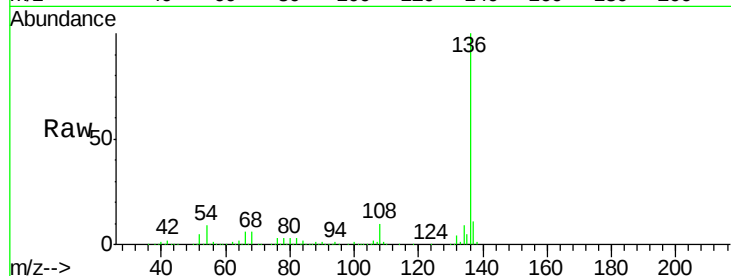
Ion Ratio Lower Upper

136 100

137 10.7 8.9 13.3

54 9.1 6.6 9.8

68 6.2 5.0 7.4

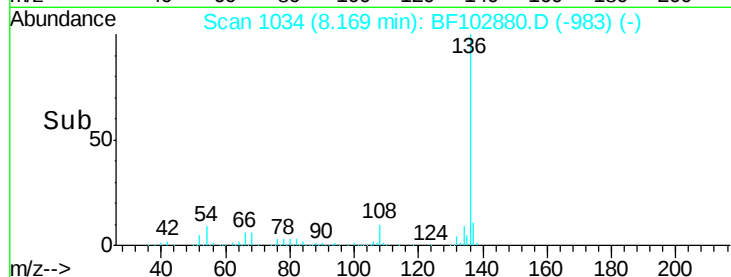


Abundance Ion 136.00 (135.70 to 136.70): E

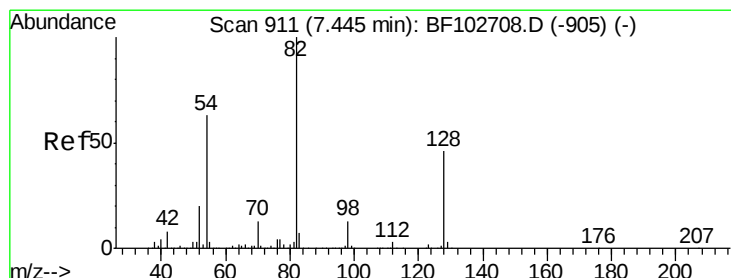
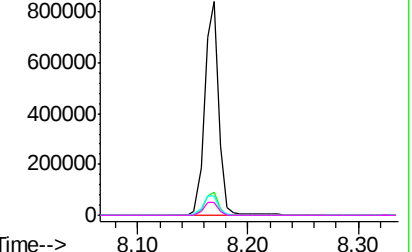
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 84.888 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF102880.D

Acq: 9 Feb 2018 11:23

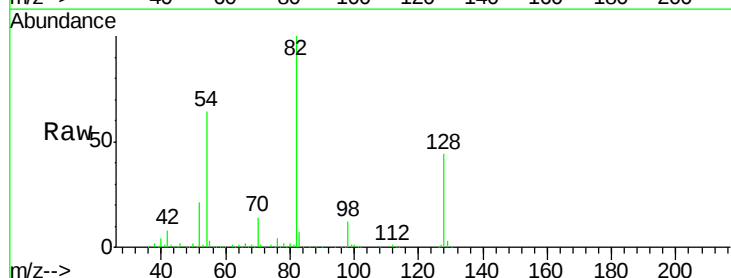
Tgt Ion: 82 Resp: 909920

Ion Ratio Lower Upper

82 100

128 43.7 36.1 54.1

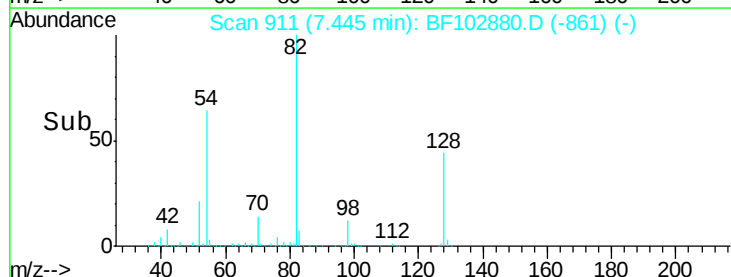
54 64.2 41.4 62.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BF102880.D

Acq: 9 Feb 2018 11:23

Instrument :

BNA\_F

ClientSampleId :

1-1-4-DENSE-GRADE-AGG-RCA

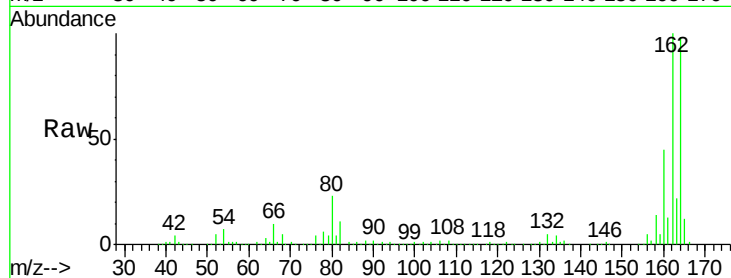
Tot Ion:164 Resp: 331986

Ion Ratio Lower Upper

164 100

162 102.4 86.1 129.1

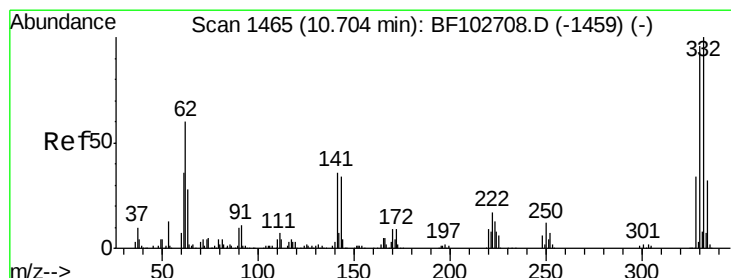
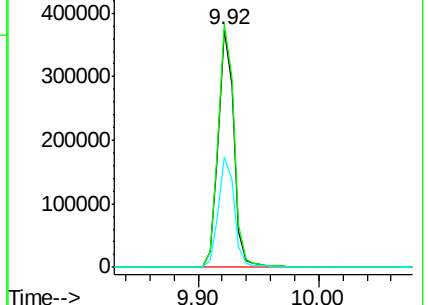
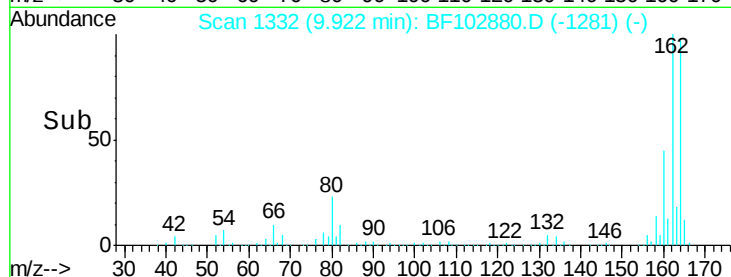
160 46.2 38.3 57.5



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: 38.886 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.00 min

Lab File: BF102880.D

Acq: 9 Feb 2018 11:23

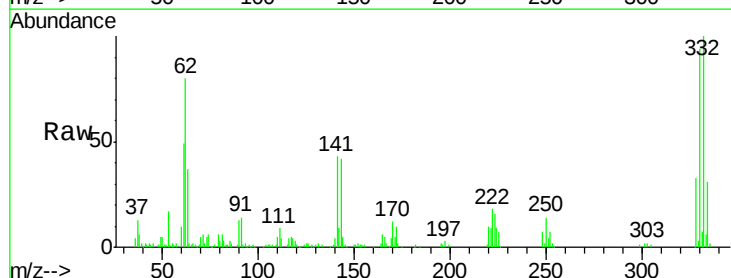
Tgt Ion:330 Resp: 103907

Ion Ratio Lower Upper

330 100

332 104.0 77.0 115.6

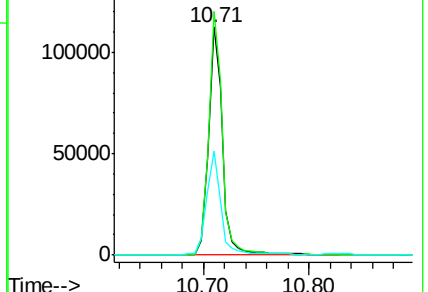
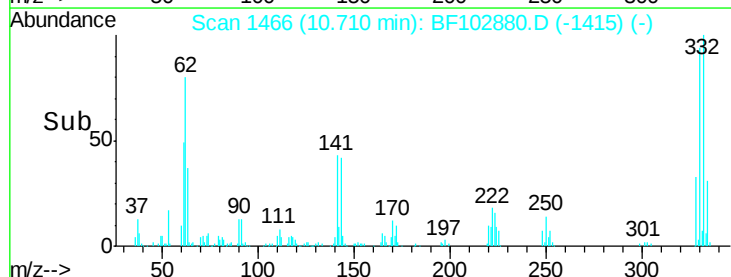
141 45.6 29.9 44.9#

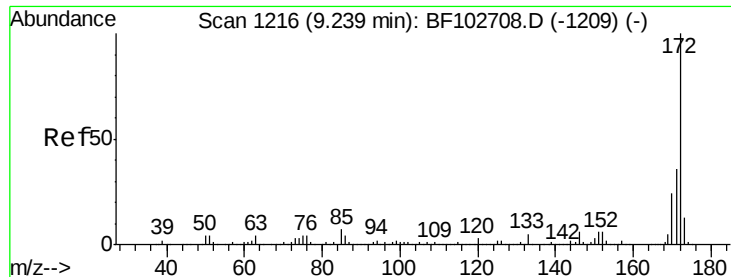


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

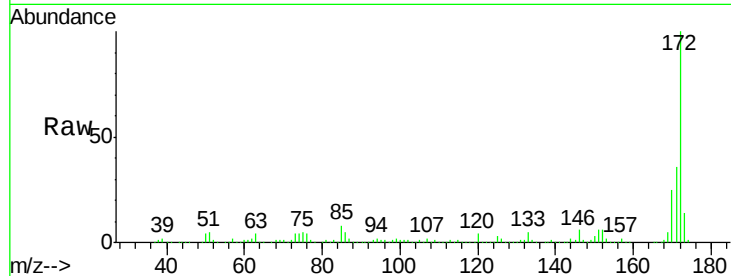




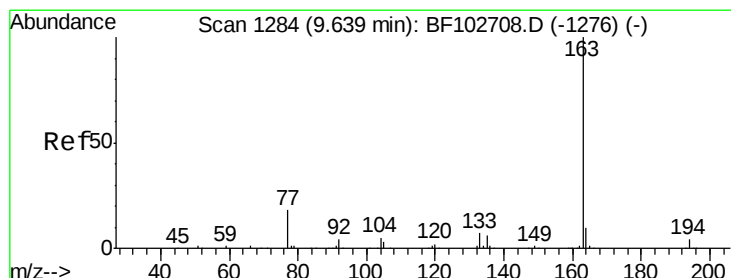
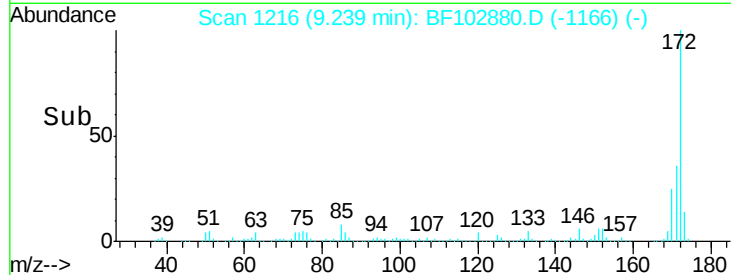
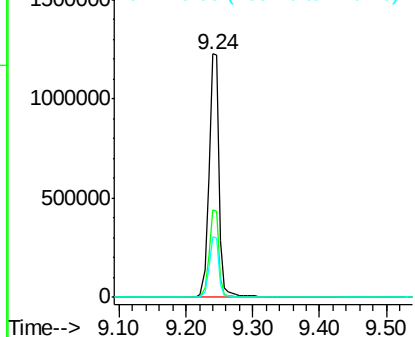
#44  
 2-Fluorobiphenyl  
 Concen: 65.064 ng  
 RT: 9.24 min Scan# 1216  
 Delta R.T. -0.01 min  
 Lab File: BF102880.D  
 Acq: 9 Feb 2018 11:23

Instrument :  
 BNA\_F  
 ClientSampleId :  
 1-1-4-DENSE-GRADE-AGG-RCA

Tot Ion:172 Resp: 1301732  
 Ion Ratio Lower Upper  
 172 100  
 171 36.0 29.7 44.5  
 170 24.7 19.6 29.4

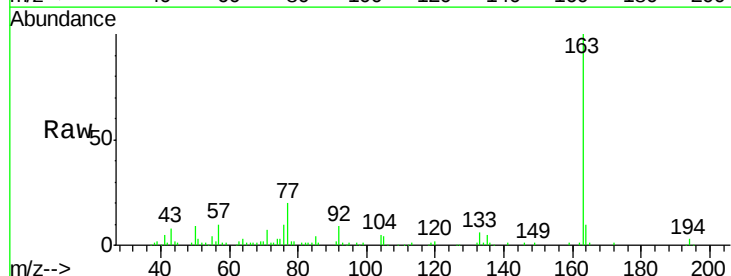


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

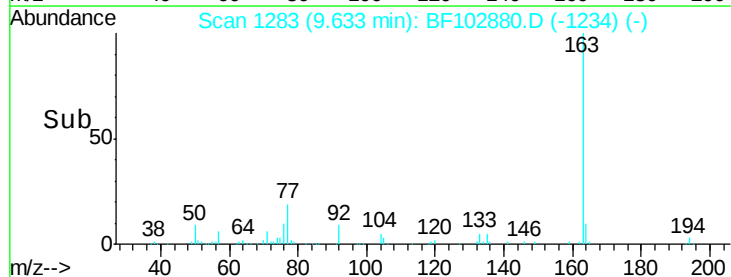
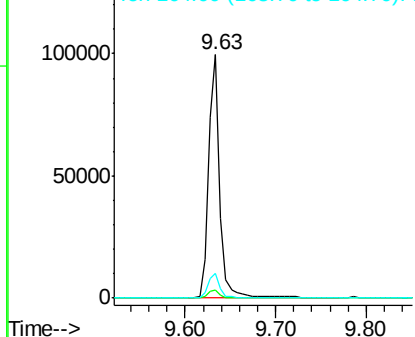


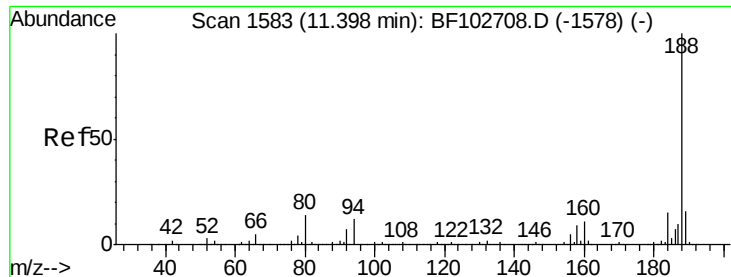
#49  
 Dimethylphthalate  
 Concen: 3.362 ng  
 RT: 9.63 min Scan# 1283  
 Delta R.T. -0.01 min  
 Lab File: BF102880.D  
 Acq: 9 Feb 2018 11:23

Tgt Ion:163 Resp: 87018  
 Ion Ratio Lower Upper  
 163 100  
 194 3.1 2.7 4.1  
 164 9.9 8.2 12.2



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

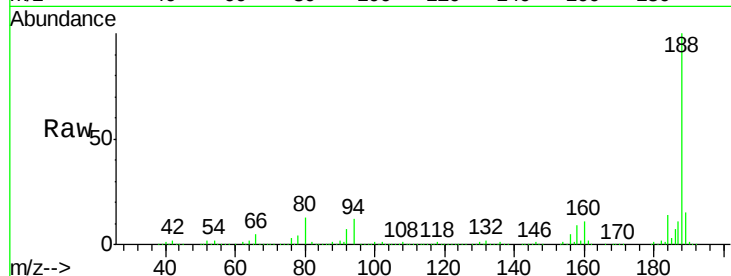




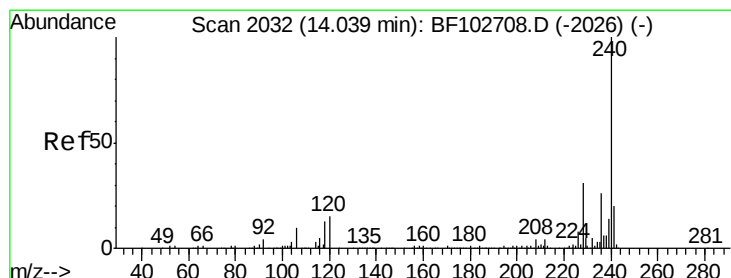
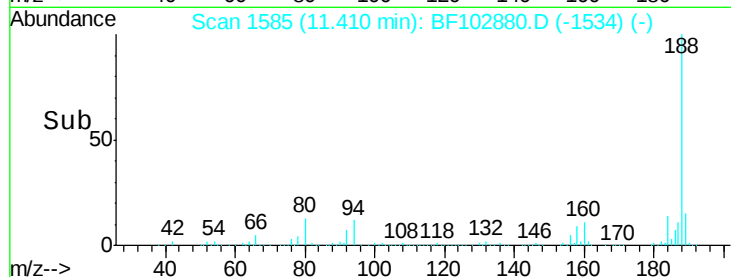
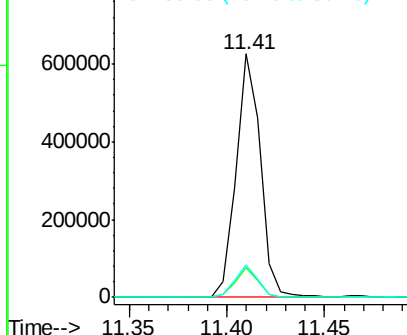
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.41 min Scan# 1585  
Delta R.T. 0.00 min  
Lab File: BF102880.D  
Acq: 9 Feb 2018 11:23

Instrument :  
BNA\_F  
ClientSampleId :  
1-1-4-DENSE-GRADE-AGG-RCA

Tot Ion:188 Resp: 541007  
Ion Ratio Lower Upper  
188 100  
94 12.0 8.5 12.7  
80 13.3 9.2 13.8

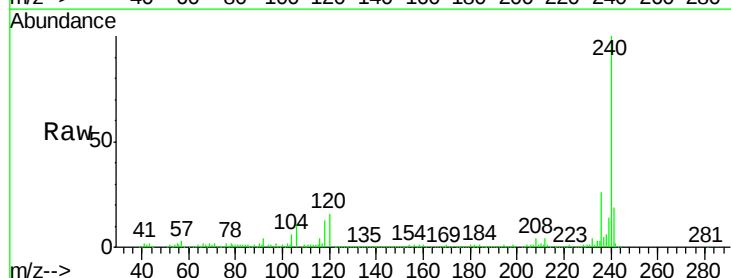


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

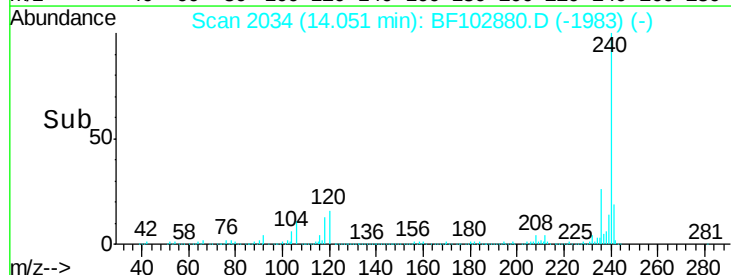
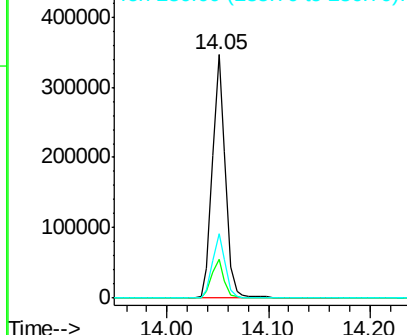


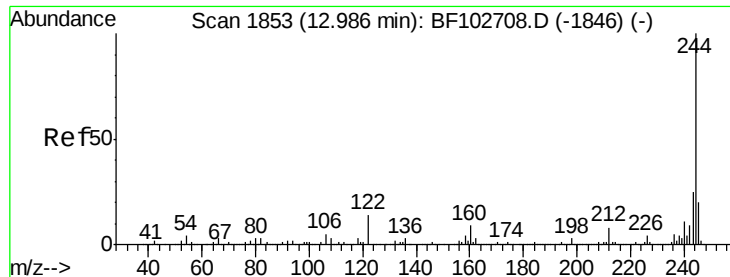
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.05 min Scan# 2034  
Delta R.T. 0.00 min  
Lab File: BF102880.D  
Acq: 9 Feb 2018 11:23

Tgt Ion:240 Resp: 310621  
Ion Ratio Lower Upper  
240 100  
120 15.7 9.5 14.3#  
236 26.4 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: 70.675 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF102880.D

Acq: 9 Feb 2018 11:23

Instrument :

BNA\_F

ClientSampleId :

1-1-4-DENSE-GRADE-AGG-RCA

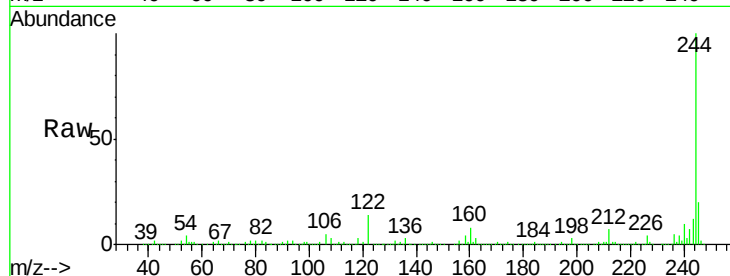
Tot Ion:244 Resp: 927162

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

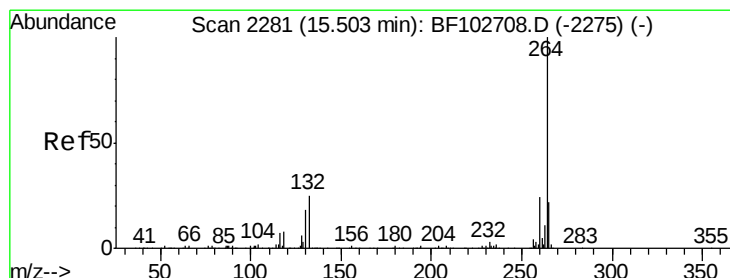
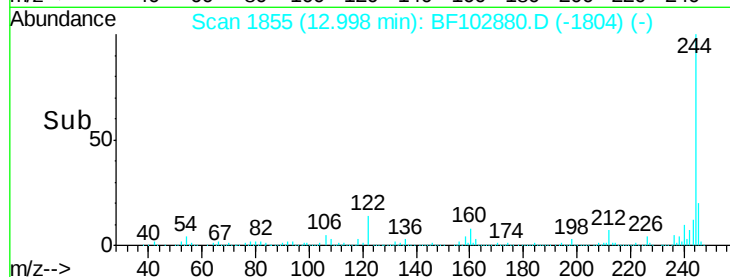
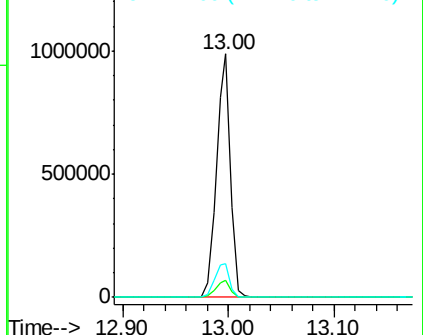
122 13.9 11.0 16.4



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: 15.54 min Scan# 2287

Delta R.T. 0.01 min

Lab File: BF102880.D

Acq: 9 Feb 2018 11:23

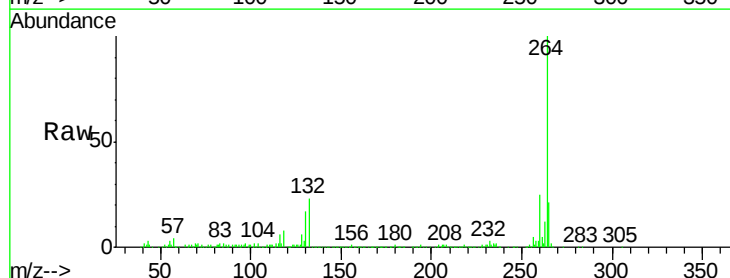
Tgt Ion:264 Resp: 333722

Ion Ratio Lower Upper

264 100

260 24.8 19.2 28.8

265 21.4 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

