

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\  
 Data File : BF100775.D  
 Acq On : 21 Nov 2017 12:56  
 Operator : SJ/JU  
 Sample : I6300-06  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-01-111717

Quant Time: Nov 22 05:36:08 2017  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Nov 17 15:22:08 2017  
 Response via : Initial Calibration

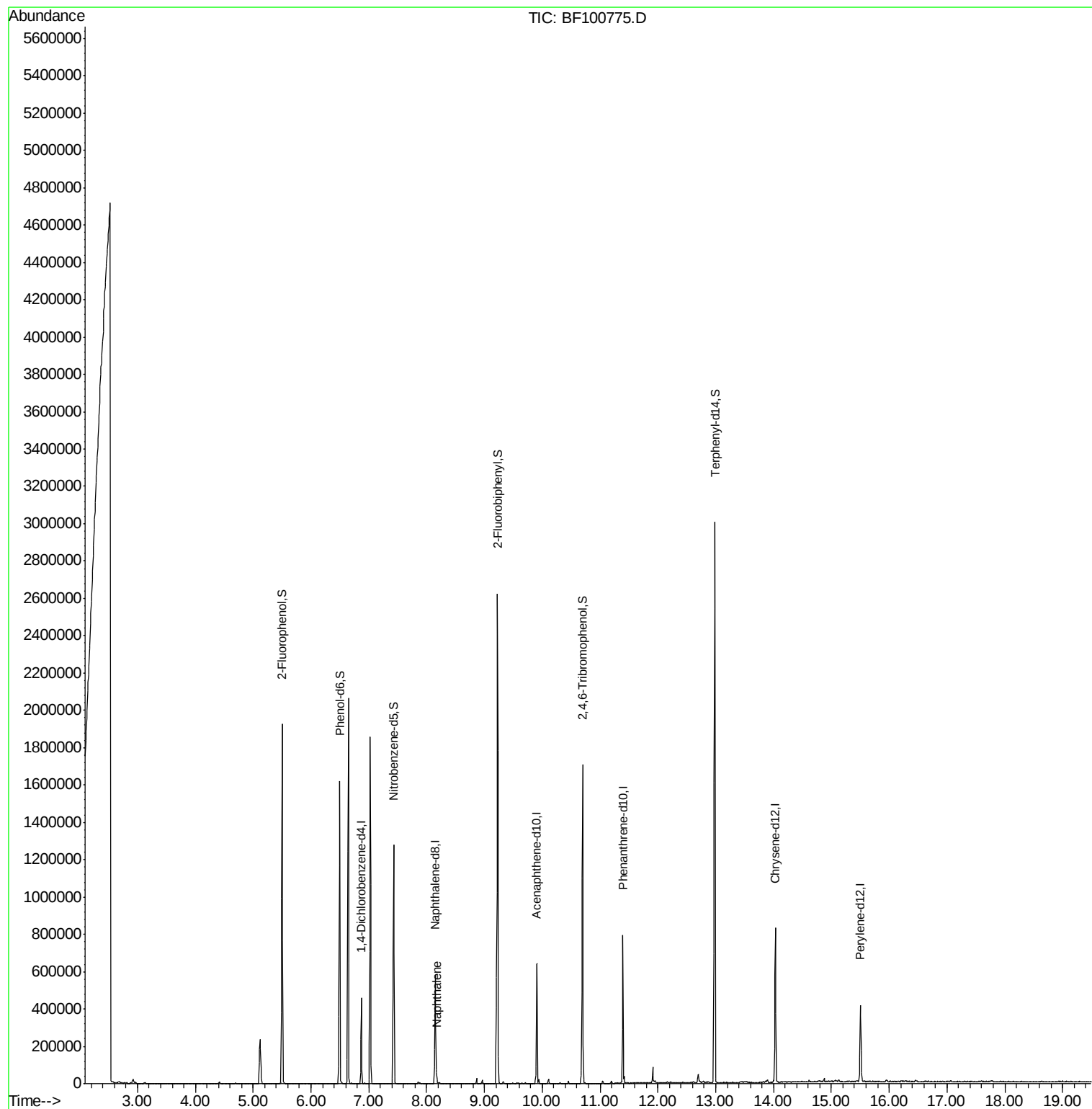
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.87  | 152  | 76472    | 20.00  | ng    | -0.01     |
| 21) Naphthalene-d8          | 8.15  | 136  | 306992   | 20.00  | ng    | -0.02     |
| 38) Acenaphthene-d10        | 9.90  | 164  | 148945   | 20.00  | ng    | -0.02     |
| 63) Phenanthrene-d10        | 11.40 | 188  | 310014   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 14.03 | 240  | 271174   | 20.00  | ng    | -0.01     |
| 86) Perylene-d12            | 15.50 | 264  | 199268   | 20.00  | ng    | -0.01     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.50  | 112  | 610492   | 127.97 | ng    | 0.01      |
| 7) Phenol-d6                | 6.50  | 99   | 683335   | 116.16 | ng    | -0.01     |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 525095   | 113.08 | ng    | -0.02     |
| 41) 2,4,6-Tribromophenol    | 10.70 | 330  | 257749   | 169.82 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 9.23  | 172  | 1110808  | 113.56 | ng    | -0.01     |
| 78) Terphenyl-d14           | 12.99 | 244  | 1178420  | 99.85  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 31) Naphthalene             | 8.17  | 128  | 31507    | 2.131  | ng    | Qvalue 99 |

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112117\  
Data File : BF100775.D  
Acq On : 21 Nov 2017 12:56  
Operator : SJ/JU  
Sample : I6300-06  
Misc :  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
OR-01-111717

Quant Time: Nov 22 05:36:08 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Nov 17 15:22:08 2017  
Response via : Initial Calibration



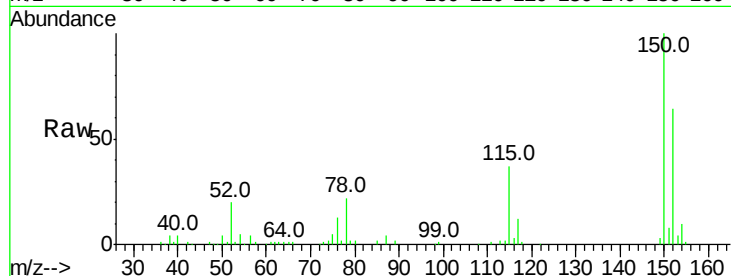


#1

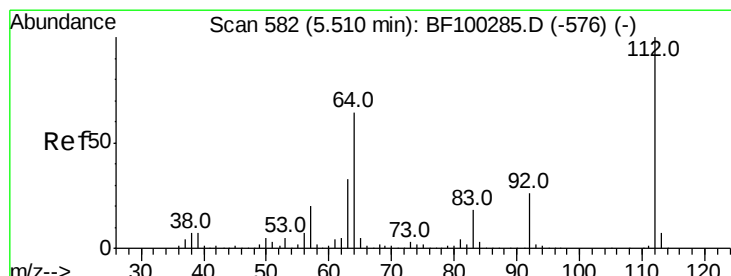
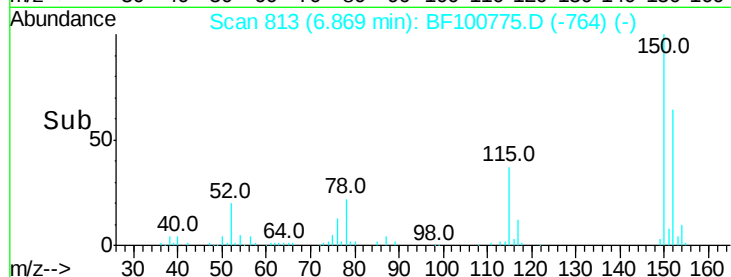
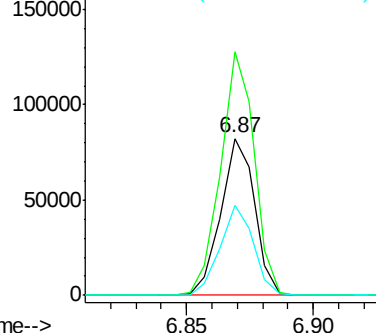
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 813  
Delta R.T. -0.01 min  
Lab File: BF100775.D  
Acq: 21 Nov 2017 12:56

Instrument :  
BNA\_F  
ClientSampleId :  
OR-01-111717

Tot Ion:152 Resp: 76472  
Ion Ratio Lower Upper  
152 100  
150 155.5 124.6 186.8  
115 57.9 50.1 75.1



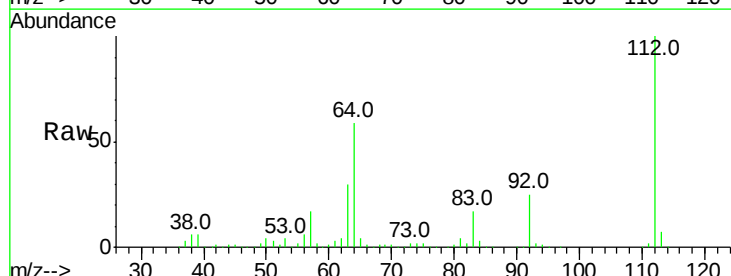
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



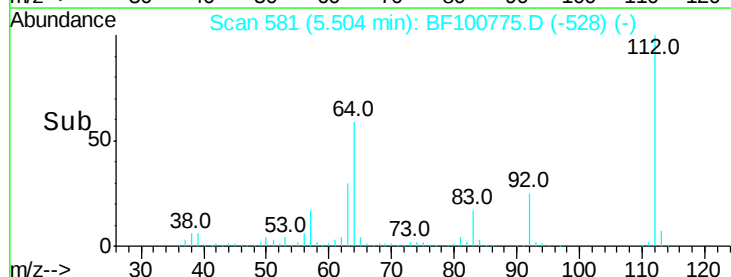
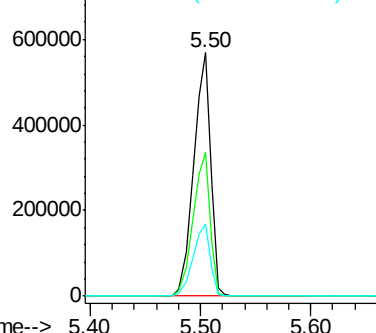
#5

2-Fluorophenol  
Concen: 127.970 ng  
RT: 5.50 min Scan# 581  
Delta R.T. 0.01 min  
Lab File: BF100775.D  
Acq: 21 Nov 2017 12:56

Tgt Ion:112 Resp: 610492  
Ion Ratio Lower Upper  
112 100  
64 58.9 47.9 71.9  
63 29.6 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: 116.159 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF100775.D

Acq: 21 Nov 2017 12:56

Instrument :

BNA\_F

ClientSampleId :

OR-01-111717

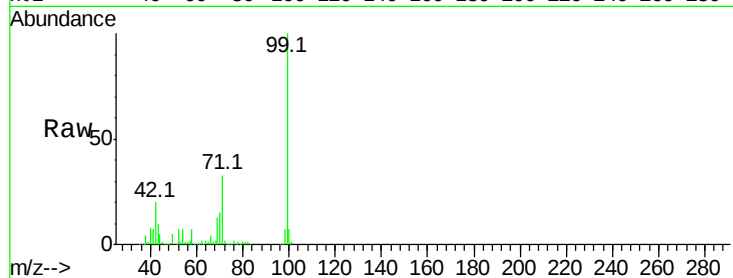
Tot Ion: 99 Resp: 683335

Ion Ratio Lower Upper

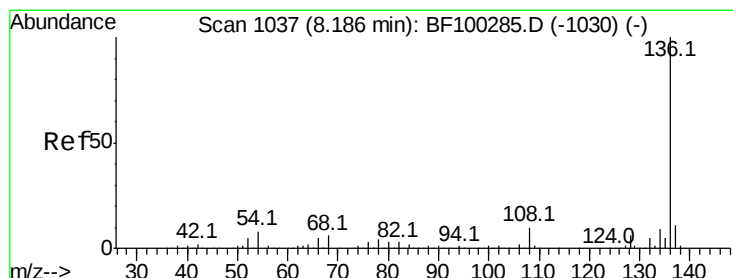
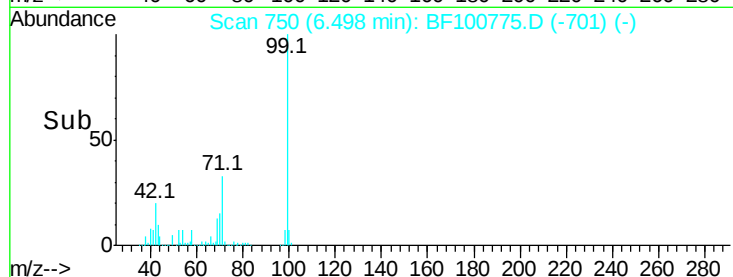
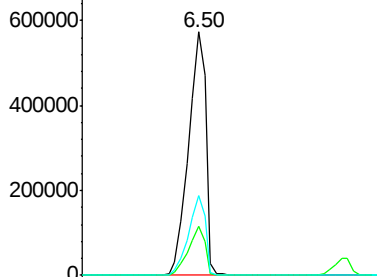
99 100

42 20.2 14.5 21.7

71 32.8 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF100775.D

Acq: 21 Nov 2017 12:56

Tgt Ion: 136 Resp: 306992

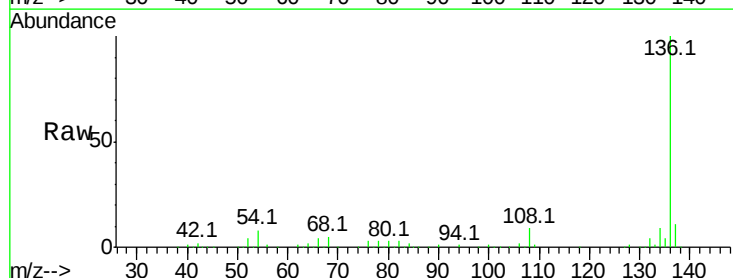
Ion Ratio Lower Upper

136 100

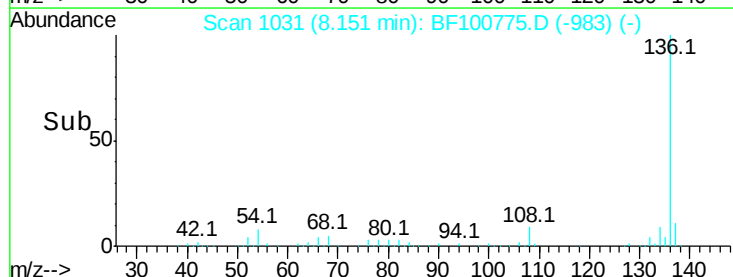
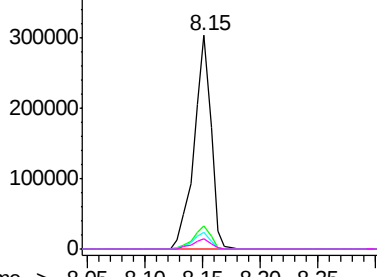
137 11.0 8.9 13.3

54 7.9 6.6 9.8

68 5.1 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

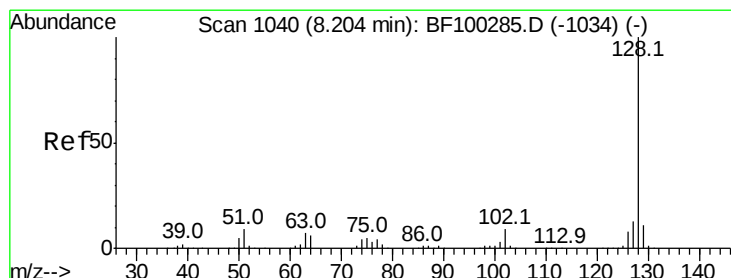
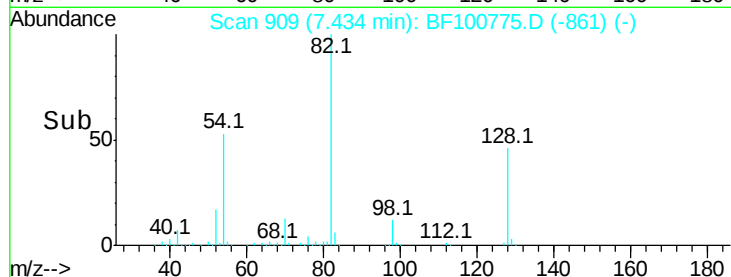
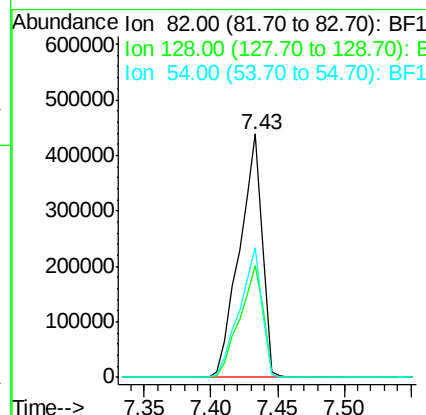
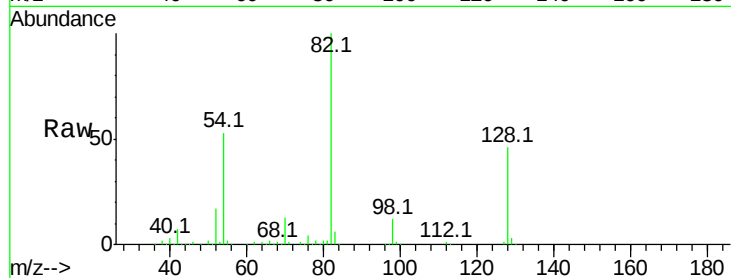




#23  
 Nitrobenzene-d5  
 Concen: 113.084 ng  
 RT: 7.43 min Scan# 909  
 Delta R.T. -0.02 min  
 Lab File: BF100775.D  
 Acq: 21 Nov 2017 12:56

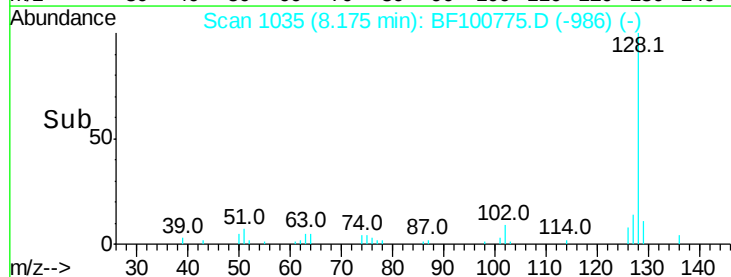
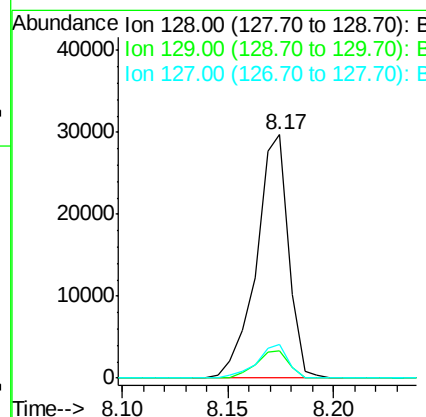
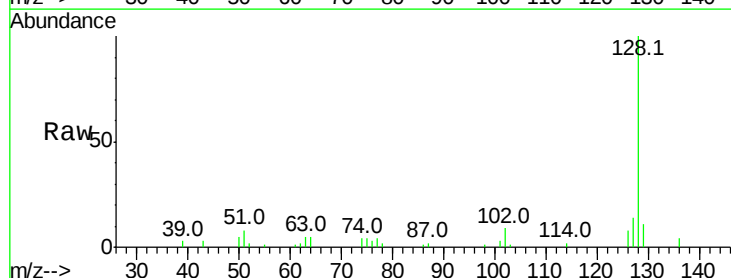
Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-01-111717

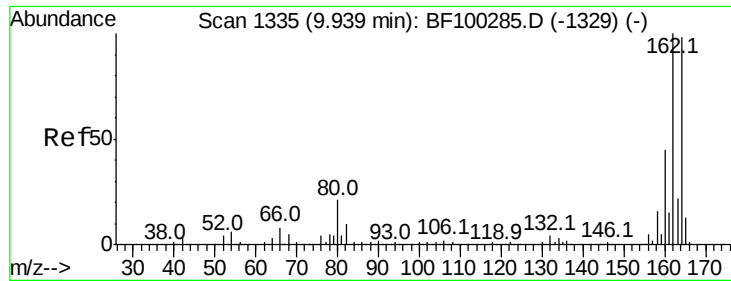
Tot Ion: 82 Resp: 525095  
 Ion Ratio Lower Upper  
 82 100  
 128 45.8 36.1 54.1  
 54 53.2 41.4 62.2



#31  
 Naphthalene  
 Concen: 2.131 ng  
 RT: 8.17 min Scan# 1035  
 Delta R.T. -0.01 min  
 Lab File: BF100775.D  
 Acq: 21 Nov 2017 12:56

Tgt Ion: 128 Resp: 31507  
 Ion Ratio Lower Upper  
 128 100  
 129 11.2 8.8 13.2  
 127 13.9 10.9 16.3





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF100775.D

Acq: 21 Nov 2017 12:56

Instrument :

BNA\_F

ClientSampleId :

OR-01-111717

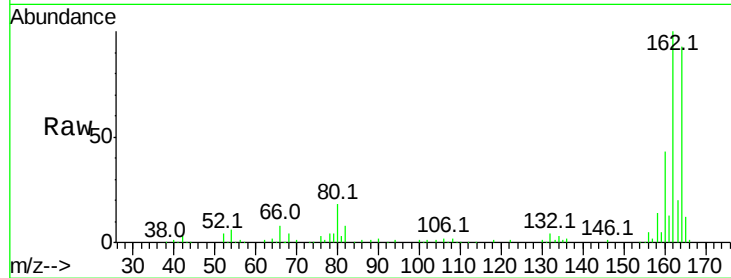
Tot Ion:164 Resp: 148945

Ion Ratio Lower Upper

164 100

162 107.1 86.1 129.1

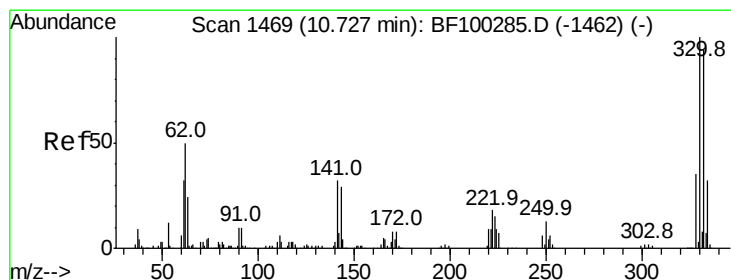
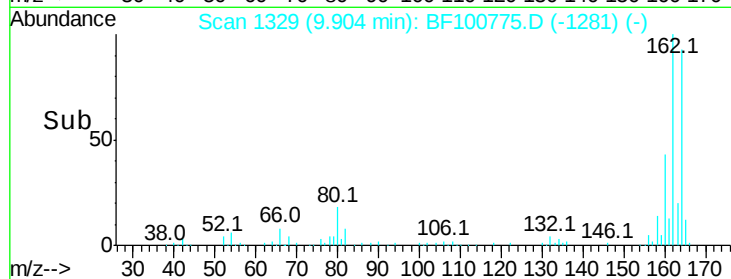
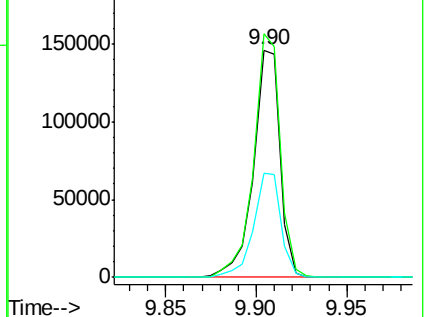
160 45.9 38.3 57.5



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: 169.823 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF100775.D

Acq: 21 Nov 2017 12:56

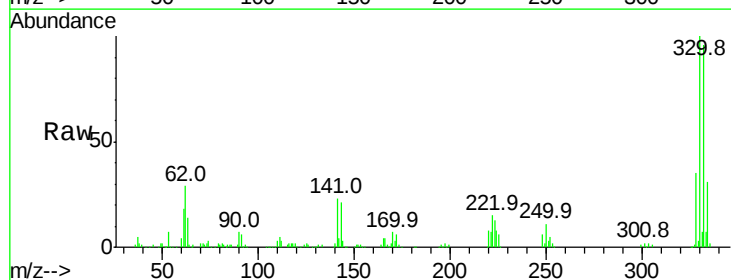
Tgt Ion:330 Resp: 257749

Ion Ratio Lower Upper

330 100

332 94.7 77.0 115.6

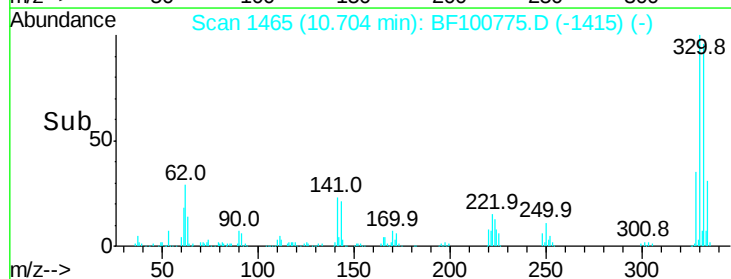
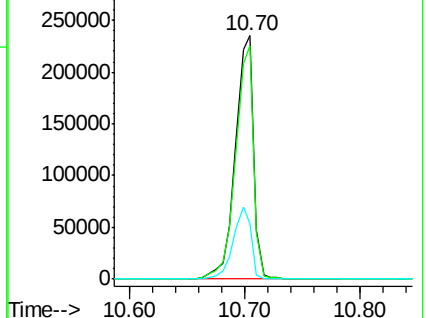
141 29.2 29.9 44.9#



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

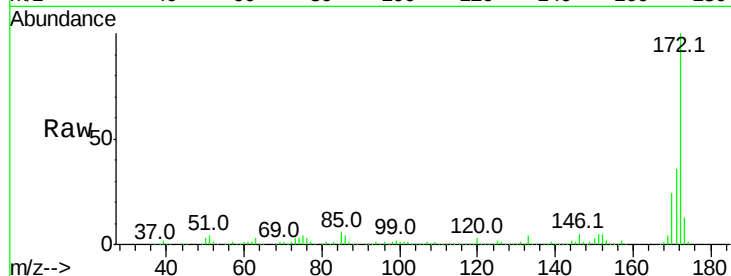




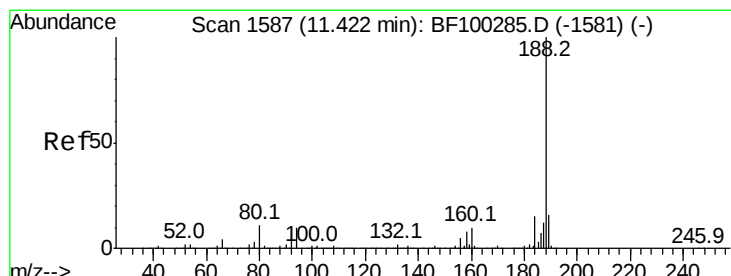
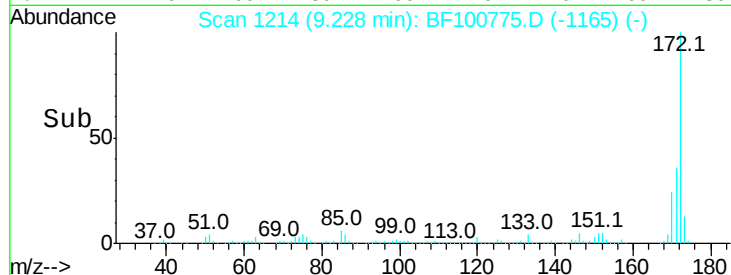
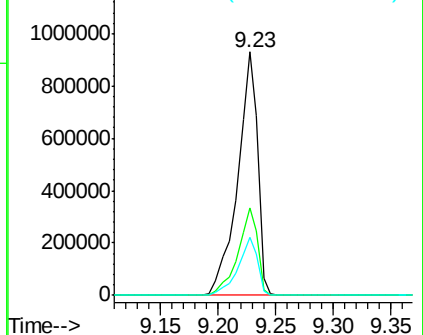
#44  
 2-Fluorobiphenyl  
 Concen: 113.561 ng  
 RT: 9.23 min Scan# 1214  
 Delta R.T. -0.01 min  
 Lab File: BF100775.D  
 Acq: 21 Nov 2017 12:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-01-111717

Tot Ion:172 Resp: 1110808  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.7 44.5  
 170 24.0 19.6 29.4

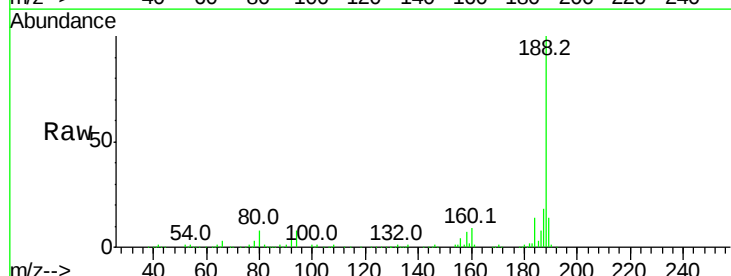


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

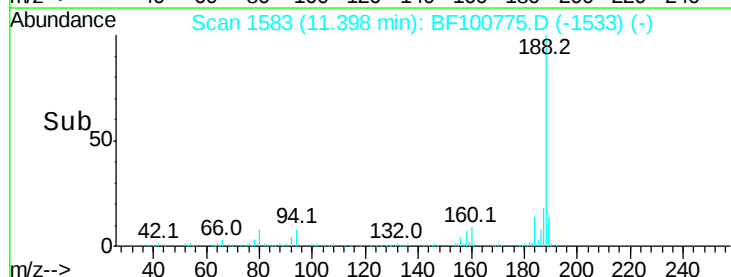
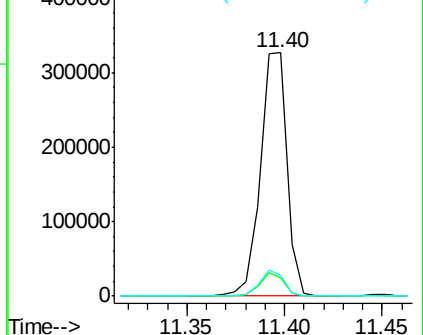


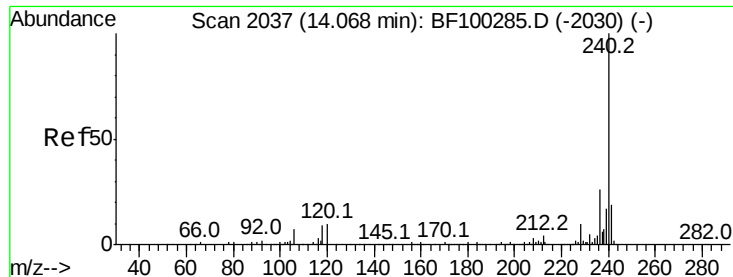
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.40 min Scan# 1583  
 Delta R.T. -0.01 min  
 Lab File: BF100775.D  
 Acq: 21 Nov 2017 12:56

Tgt Ion:188 Resp: 310014  
 Ion Ratio Lower Upper  
 188 100  
 94 7.5 8.5 12.7#  
 80 8.5 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: 14.03 min Scan# 2031

Delta R.T. -0.01 min

Lab File: BF100775.D

Acq: 21 Nov 2017 12:56

Instrument :

BNA\_F

ClientSampleId :

OR-01-111717

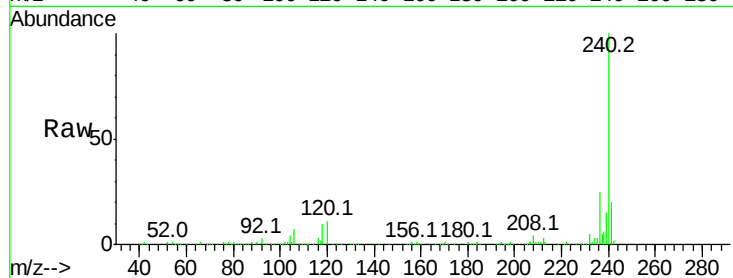
Tot Ion:240 Resp: 271174

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

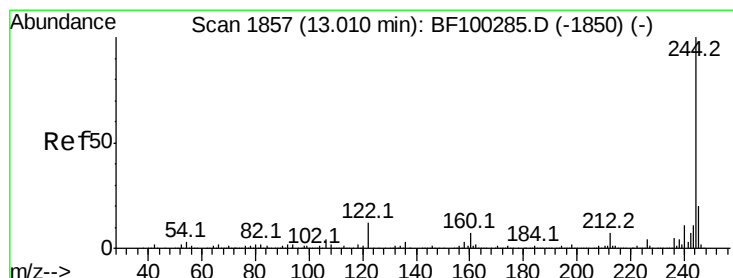
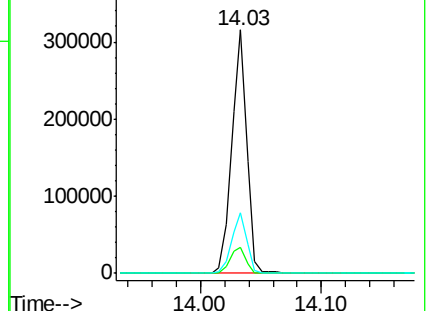
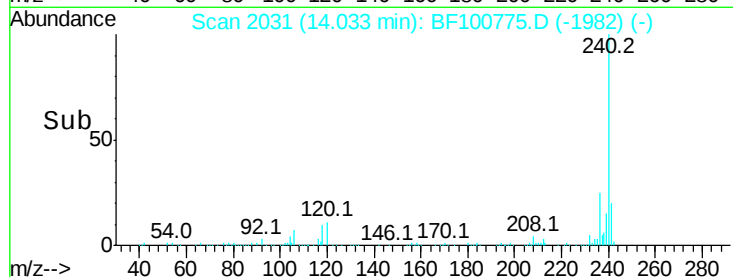
236 25.1 20.7 31.1



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: 99.850 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF100775.D

Acq: 21 Nov 2017 12:56

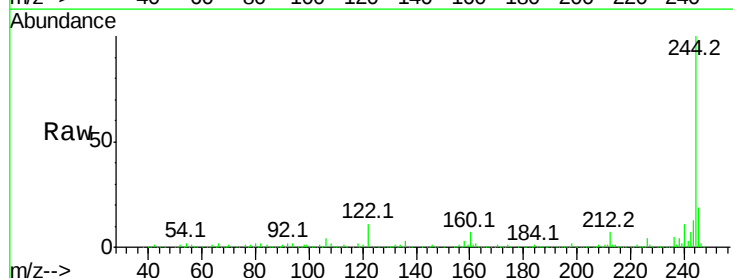
Tgt Ion:244 Resp: 1178420

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

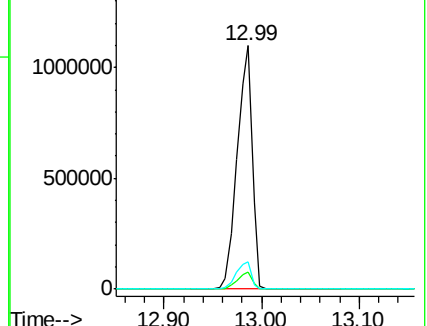
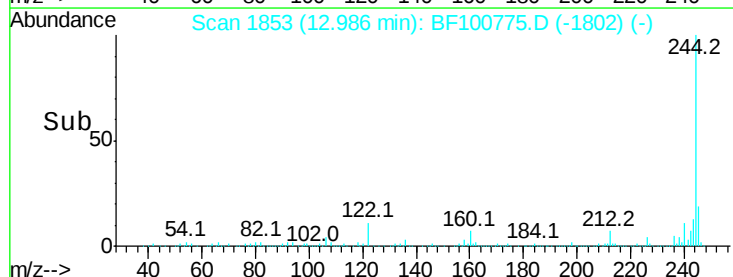
122 11.2 11.0 16.4



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

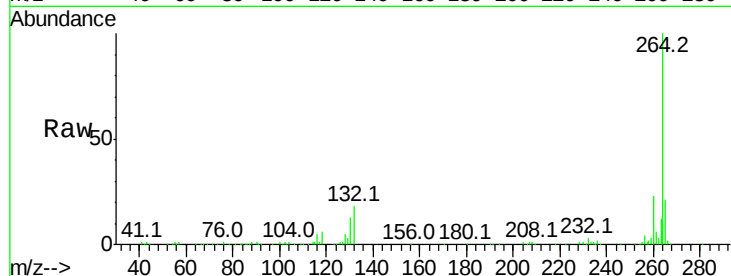




#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.50 min Scan# 2281  
 Delta R.T. -0.01 min  
 Lab File: BF100775.D  
 Acq: 21 Nov 2017 12:56

Instrument :  
 BNA\_F  
 ClientSampleId :  
 OR-01-111717

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 199268 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.2  | 19.2  | 28.8   |
| 265      | 21.3  | 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

