

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\  
 Data File : BF100868.D  
 Acq On : 23 Nov 2017 11:59  
 Operator : SJ/JU  
 Sample : I6541-10  
 Misc :  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 111717-SIDI-F-U-S

Quant Time: Nov 24 23:46:46 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   | 6.86  | 152  | 77247    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.14  | 136  | 295228   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 9.89  | 164  | 133713   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 11.38 | 188  | 231066   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 14.02 | 240  | 149653   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.49 | 264  | 161082   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 192113   | 39.87  | ng    | -0.02    |
| 7) Phenol-d6                | 6.48  | 99   | 142116   | 23.92  | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.42  | 82   | 463227   | 103.74 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330  | 124995   | 91.74  | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 896984   | 102.15 | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.97 | 244  | 617442   | 94.80  | ng    | -0.02    |

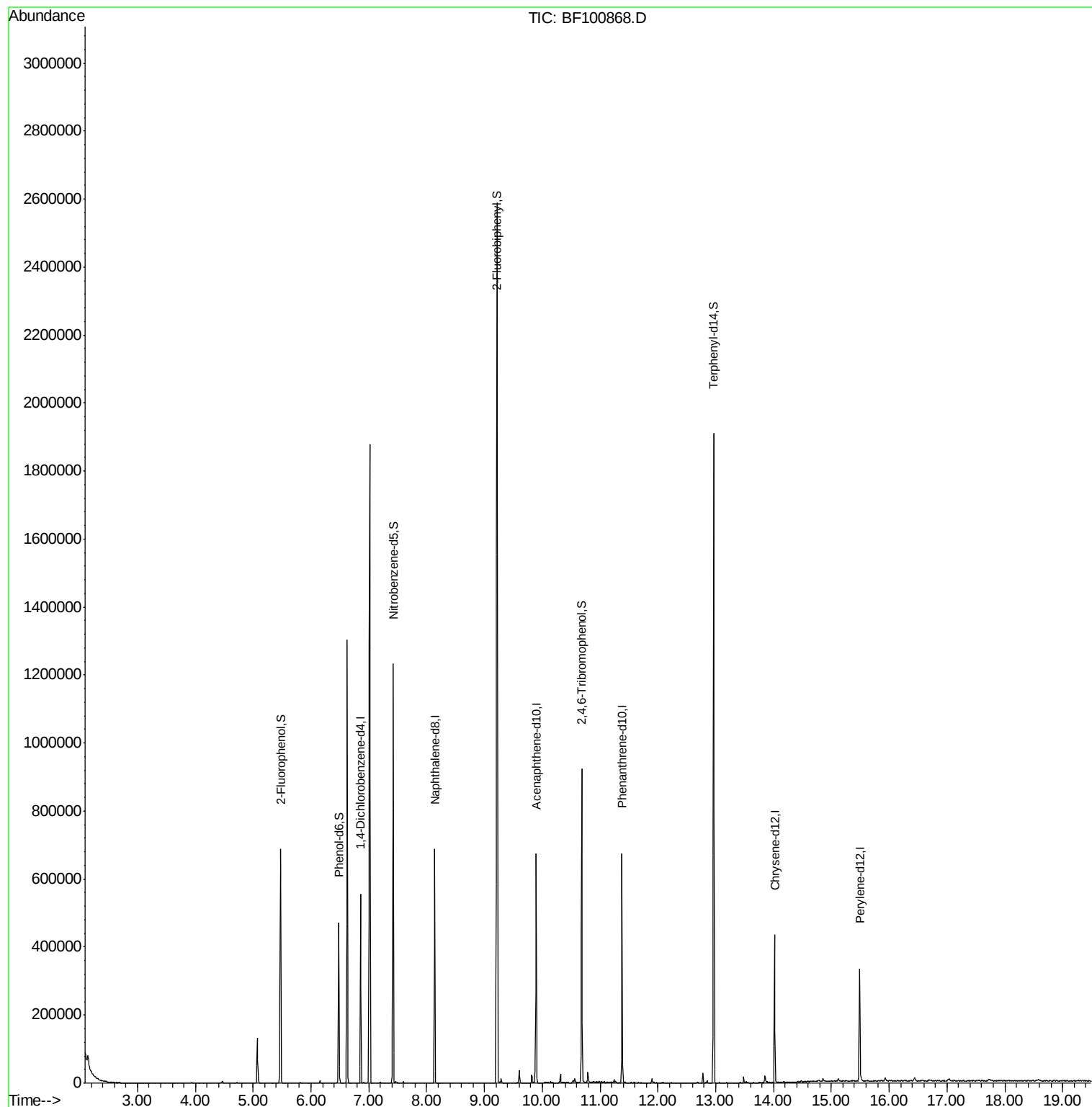
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\  
Data File : BF100868.D  
Acq On : 23 Nov 2017 11:59  
Operator : SJ/JU  
Sample : I6541-10  
Misc :  
ALS Vial : 39 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
111717-SIDI-F-U-S

Quant Time: Nov 24 23:46:46 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



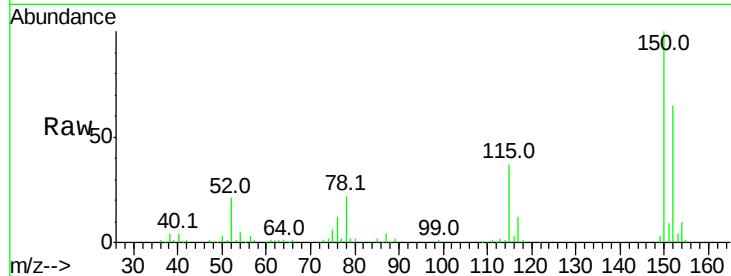


#1

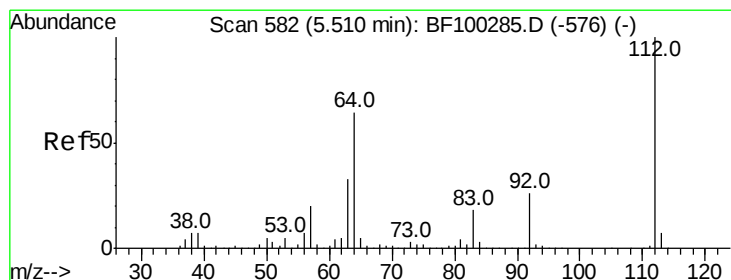
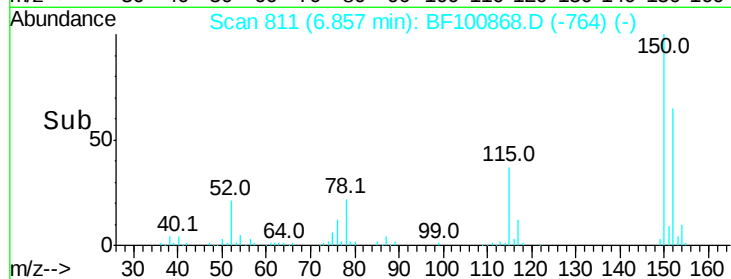
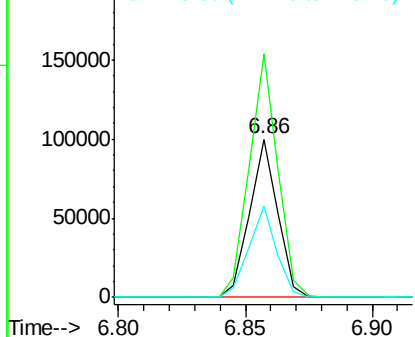
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 811  
Delta R.T. -0.02 min  
Lab File: BF100868.D  
Acq: 23 Nov 2017 11:59

Instrument :  
BNA\_F  
ClientSampleId :  
111717-SIDI-F-U-S

Tot Ion:152 Resp: 77247  
Ion Ratio Lower Upper  
152 100  
150 153.8 124.6 186.8  
115 57.3 50.1 75.1



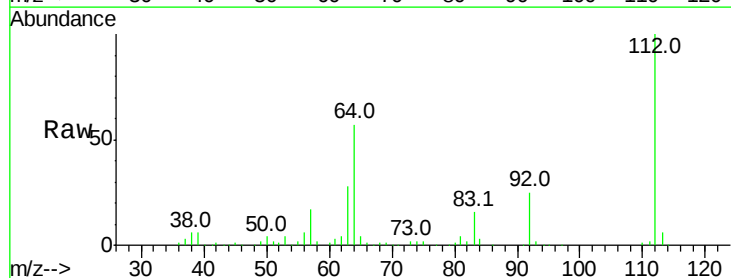
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



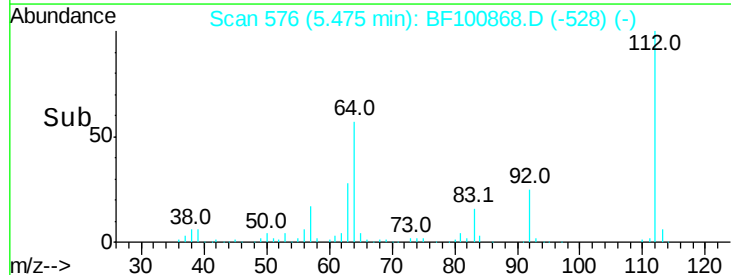
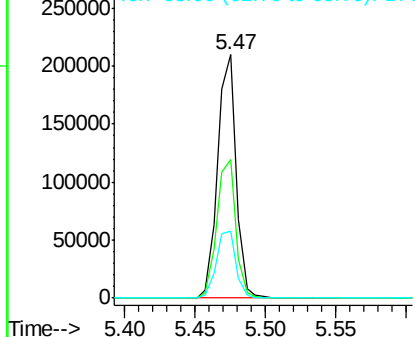
#5

2-Fluorophenol  
Concen: 39.866 ng  
RT: 5.47 min Scan# 576  
Delta R.T. -0.02 min  
Lab File: BF100868.D  
Acq: 23 Nov 2017 11:59

Tgt Ion:112 Resp: 192113  
Ion Ratio Lower Upper  
112 100  
64 56.8 47.9 71.9  
63 27.7 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: 23.916 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.03 min

Lab File: BF100868.D

Acq: 23 Nov 2017 11:59

Instrument :

BNA\_F

ClientSampleId :

111717-SIDI-F-U-S

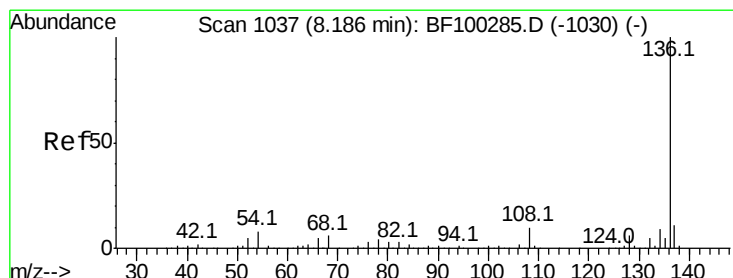
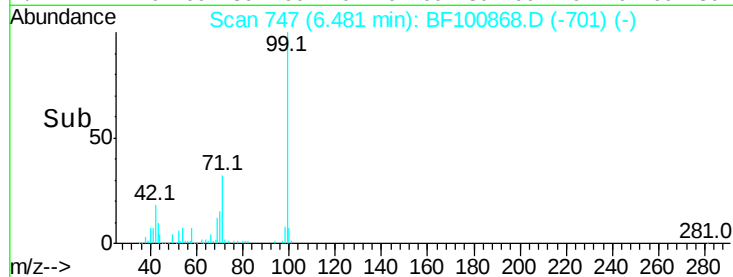
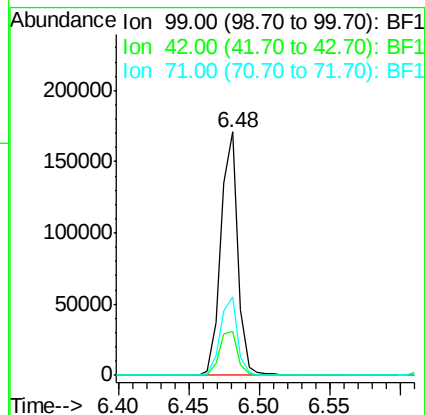
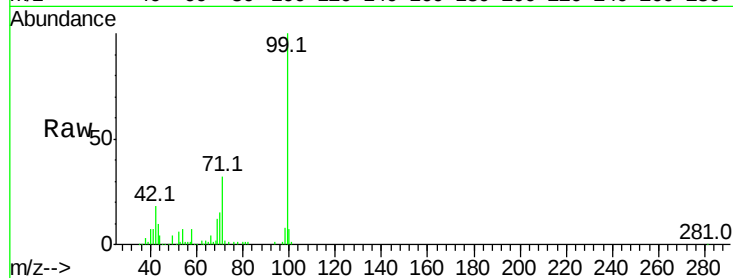
Tot Ion: 99 Resp: 142116

Ion Ratio Lower Upper

99 100

42 18.0 14.5 21.7

71 32.3 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF100868.D

Acq: 23 Nov 2017 11:59

Tgt Ion: 136 Resp: 295228

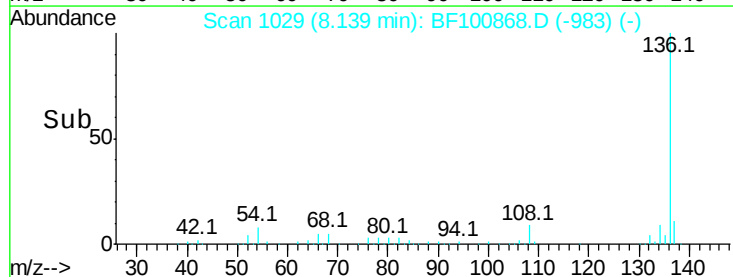
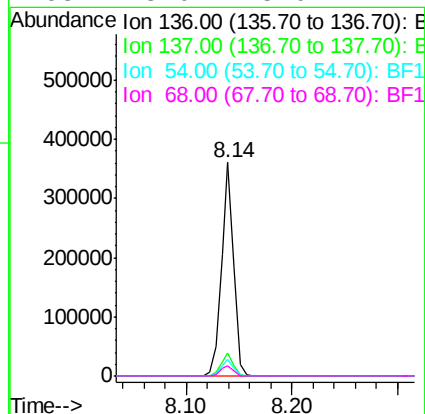
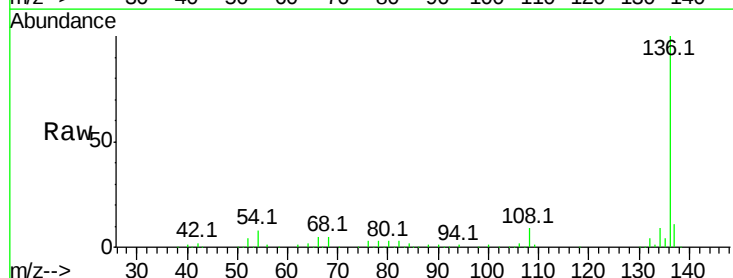
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 7.6 6.6 9.8

68 5.0 5.0 7.4

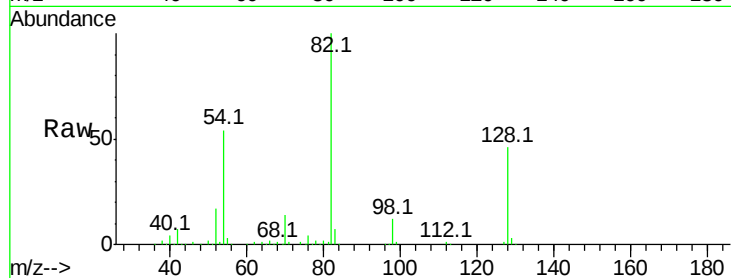




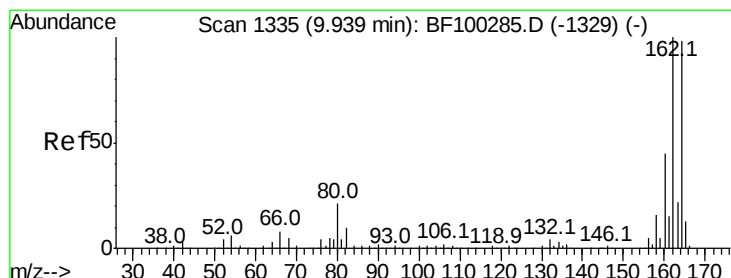
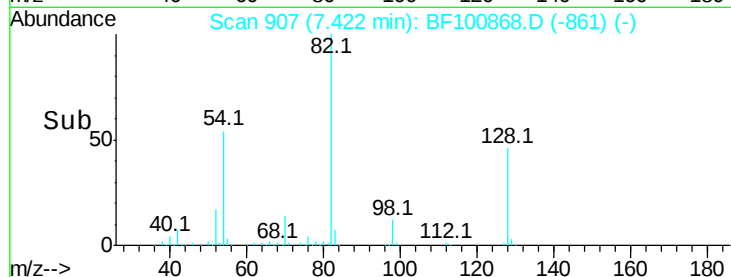
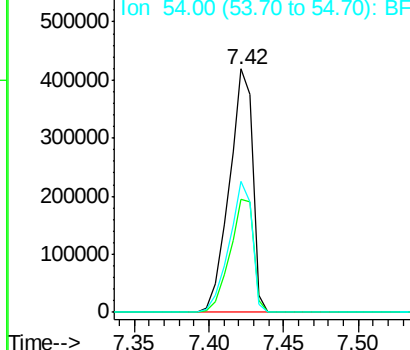
#23  
Nitrobenzene-d5  
Concen: 103.735 ng  
RT: 7.42 min Scan# 907  
Delta R.T. -0.03 min  
Lab File: BF100868.D  
Acq: 23 Nov 2017 11:59

Instrument :  
BNA\_F  
ClientSampleId :  
111717-SIDI-F-U-S

Tot Ion: 82 Resp: 463227  
Ion Ratio Lower Upper  
82 100  
128 46.2 36.1 54.1  
54 53.8 41.4 62.2

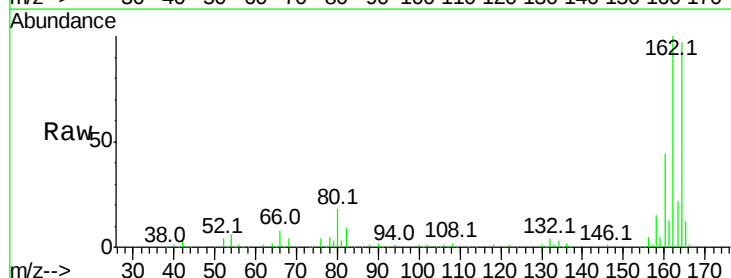


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

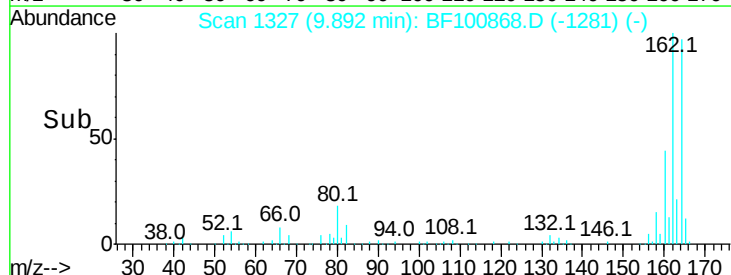
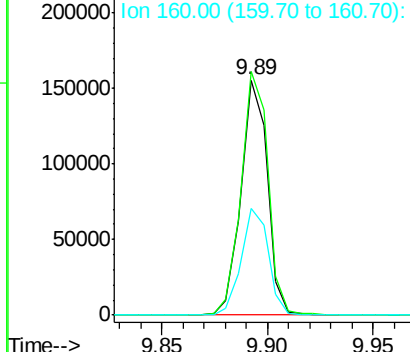


#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.89 min Scan# 1327  
Delta R.T. -0.03 min  
Lab File: BF100868.D  
Acq: 23 Nov 2017 11:59

Tgt Ion: 164 Resp: 133713  
Ion Ratio Lower Upper  
164 100  
162 103.5 86.1 129.1  
160 45.5 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

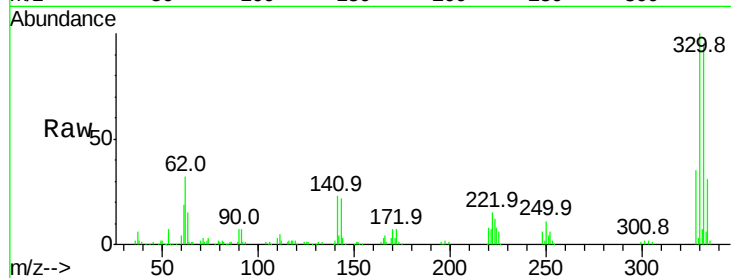




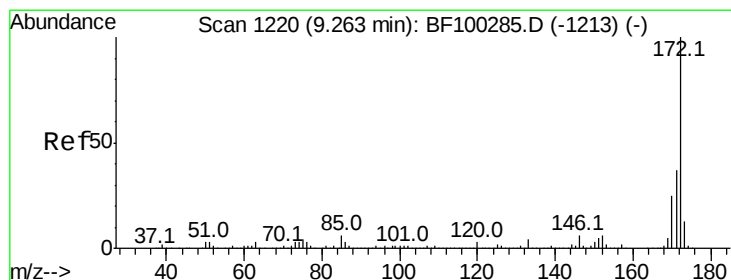
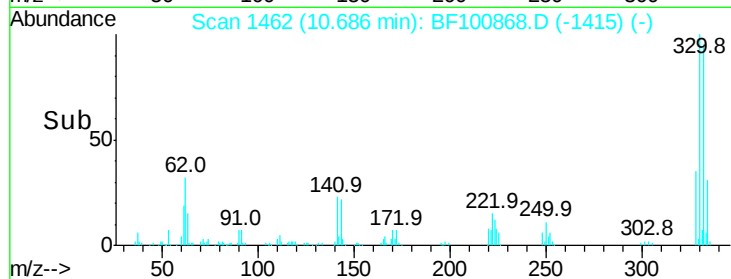
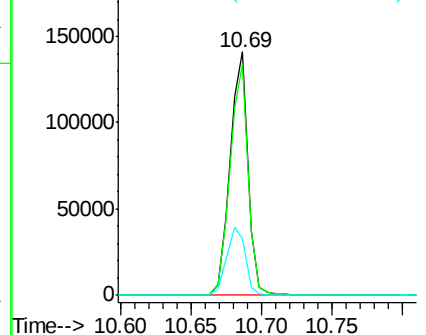
#41  
 2,4,6-Tribromophenol  
 Concen: 91.737 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. -0.02 min  
 Lab File: BF100868.D  
 Acq: 23 Nov 2017 11:59

Instrument :  
 BNA\_F  
 ClientSampleId :  
 111717-SIDI-F-U-S

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.3  | 77.0  | 115.6 |
| 141     | 29.1  | 29.9  | 44.9# |

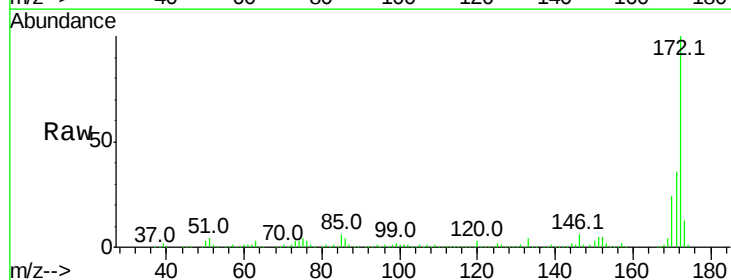


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

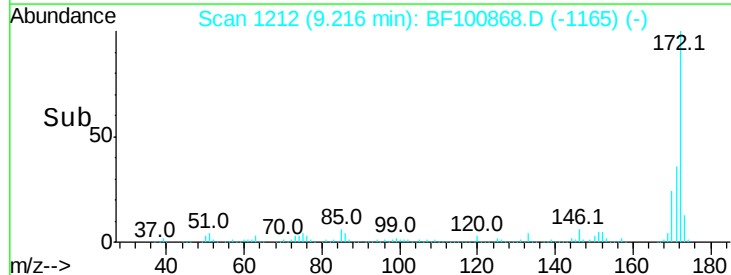
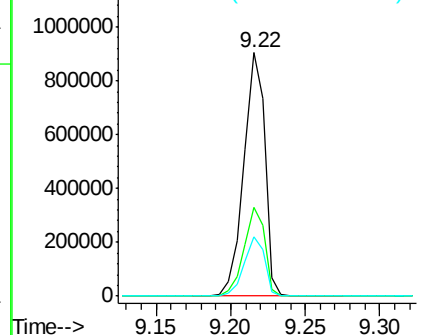


#44  
 2-Fluorobiphenyl  
 Concen: 102.148 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. -0.02 min  
 Lab File: BF100868.D  
 Acq: 23 Nov 2017 11:59

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.3  | 29.7  | 44.5  |
| 170     | 24.1  | 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

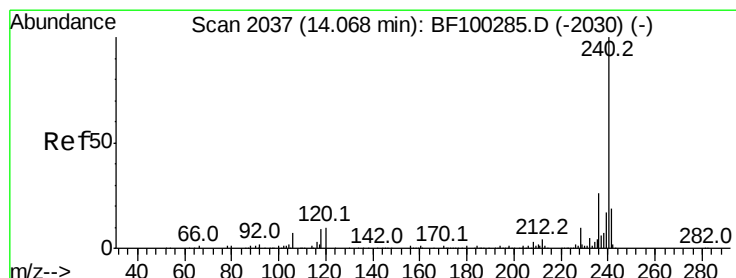
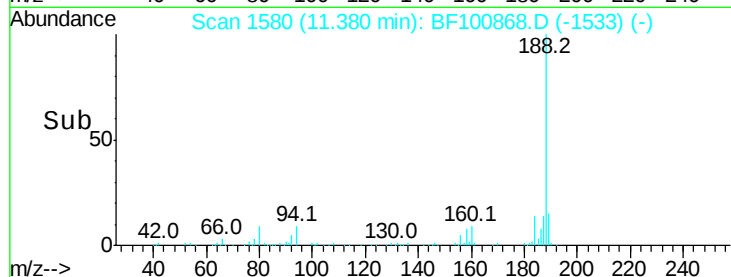
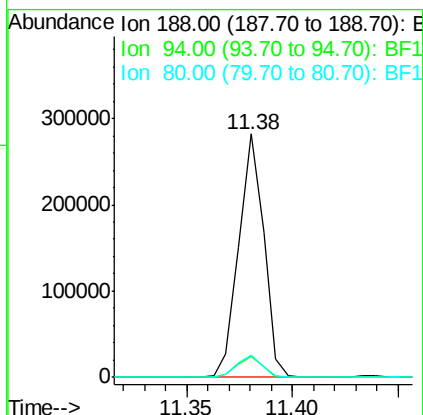
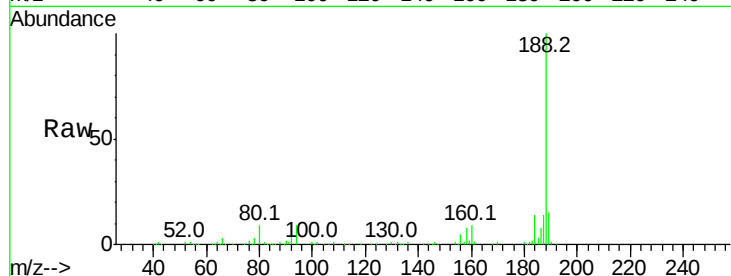




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.38 min Scan# 1580  
Delta R.T. -0.02 min  
Lab File: BF100868.D  
Acq: 23 Nov 2017 11:59

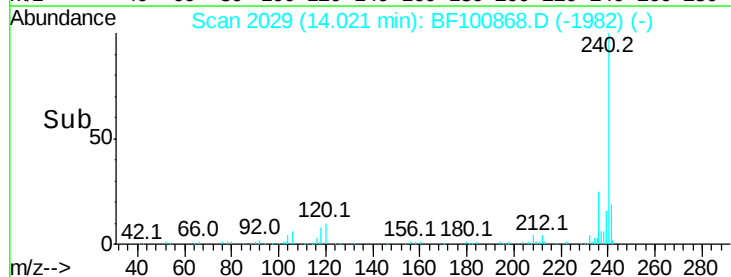
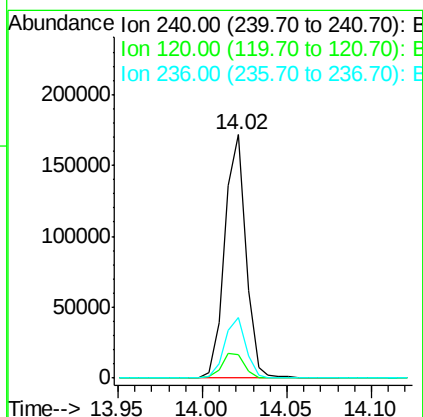
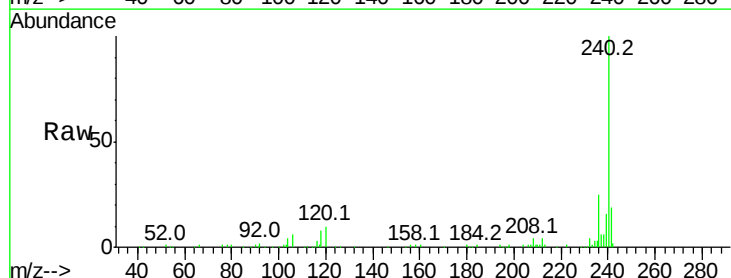
Instrument :  
BNA\_F  
ClientSampleId :  
111717-SIDI-F-U-S

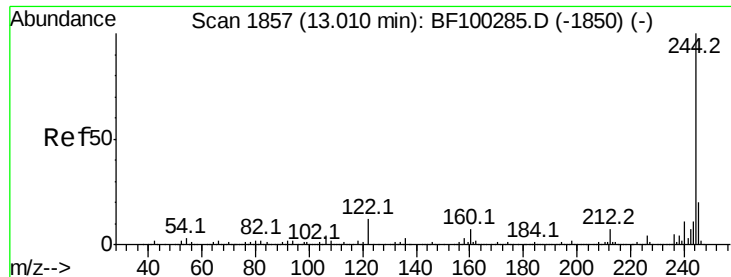
Tot Ion:188 Resp: 231066  
Ion Ratio Lower Upper  
188 100  
94 8.7 8.5 12.7  
80 9.4 9.2 13.8



#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.02 min Scan# 2029  
Delta R.T. -0.02 min  
Lab File: BF100868.D  
Acq: 23 Nov 2017 11:59

Tgt Ion:240 Resp: 149653  
Ion Ratio Lower Upper  
240 100  
120 9.5 9.5 14.3  
236 24.7 20.7 31.1





#78

Terphenyl-d14

Concen: 94.799 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.02 min

Lab File: BF100868.D

Acq: 23 Nov 2017 11:59

Instrument :

BNA\_F

ClientSampleId :

111717-SIDI-F-U-S

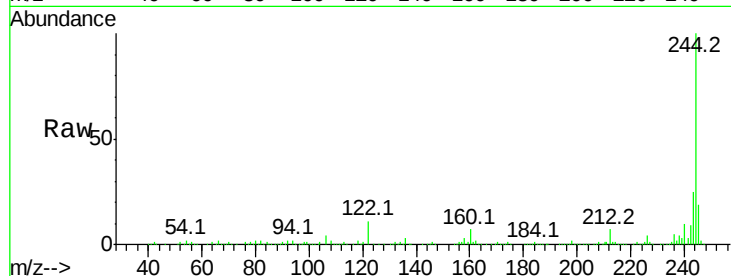
Tot Ion:244 Resp: 617442

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

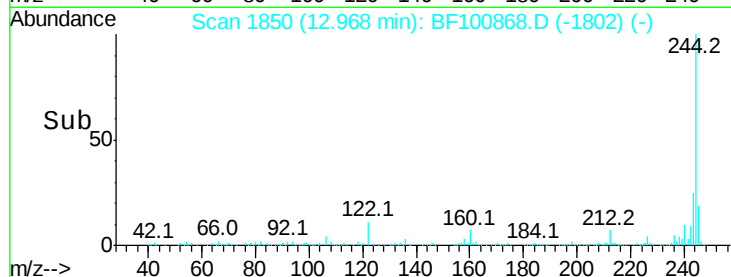
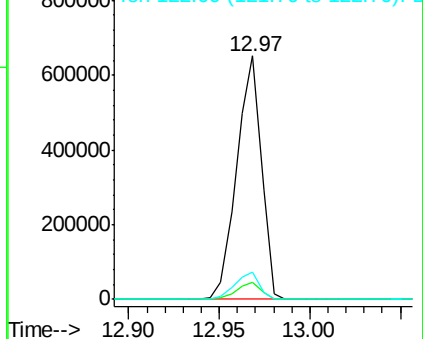
122 11.0 11.0 16.4



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: 15.49 min Scan# 2279

Delta R.T. -0.02 min

Lab File: BF100868.D

Acq: 23 Nov 2017 11:59

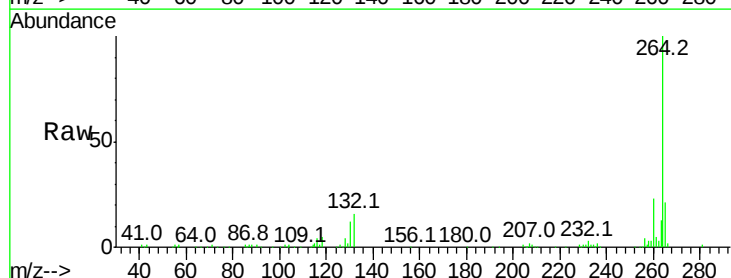
Tgt Ion:264 Resp: 161082

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 20.6 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

