

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\  
 Data File : BF100877.D  
 Acq On : 23 Nov 2017 15:58  
 Operator : SJ/JU  
 Sample : I6560-01  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RAV-MWRV5

Quant Time: Nov 27 06:50:51 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  | 77103    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 8.14  | 136  | 304375   | 20.00  | ng    | -0.03    |
| 38) Acenaphthene-d10        | 9.89  | 164  | 141605   | 20.00  | ng    | -0.03    |
| 63) Phenanthrene-d10        | 11.38 | 188  | 245861   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 14.02 | 240  | 148229   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 15.49 | 264  | 163887   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.47  | 112  | 338977   | 70.47  | ng    | -0.02    |
| 7) Phenol-d6                | 6.48  | 99   | 266087   | 44.86  | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 7.43  | 82   | 518748   | 112.68 | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 10.69 | 330  | 217893   | 151.00 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 9.22  | 172  | 1017487  | 109.41 | ng    | -0.02    |
| 78) Terphenyl-d14           | 12.97 | 244  | 729363   | 113.06 | ng    | -0.02    |

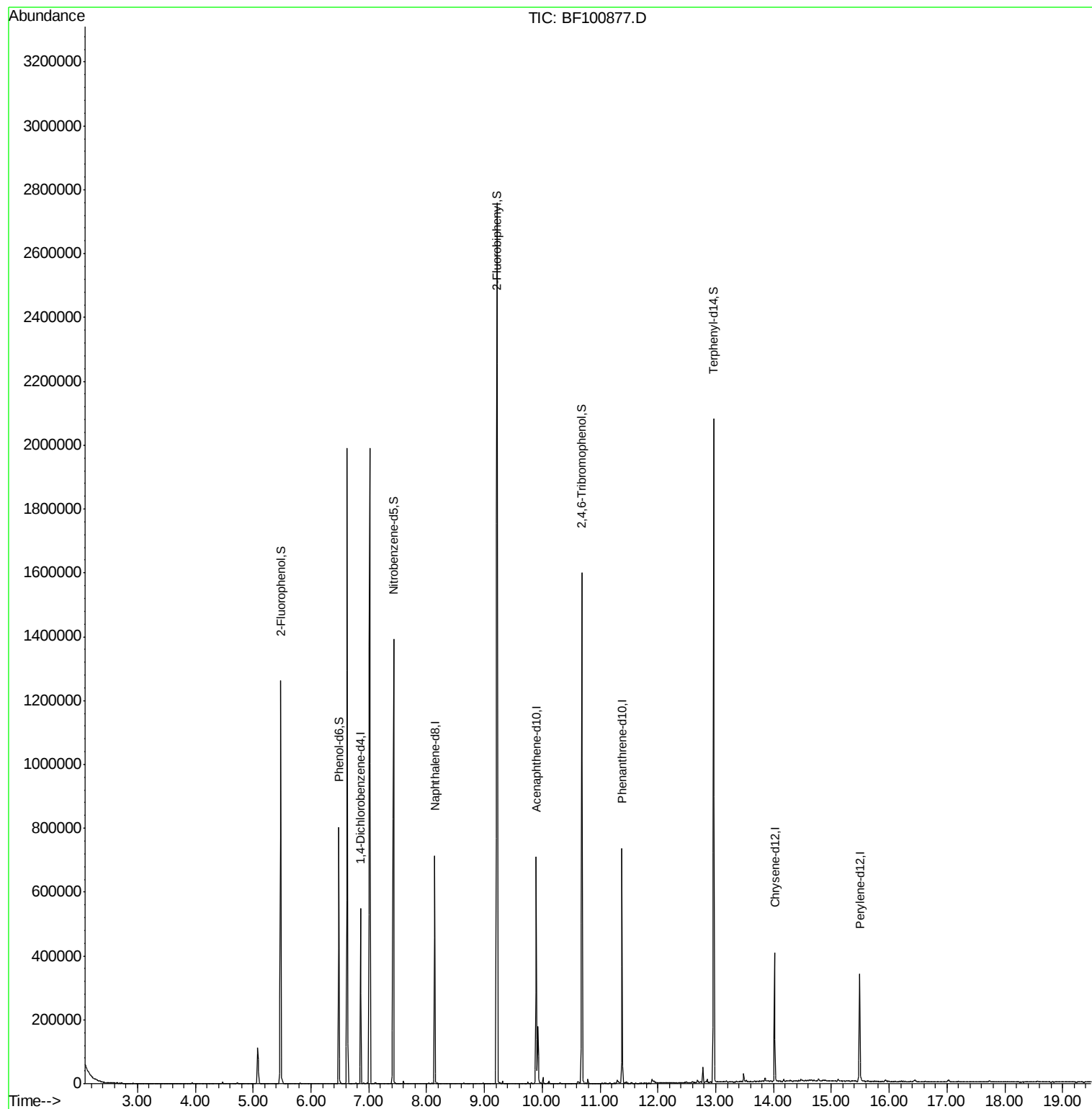
Target Compounds Qvalue

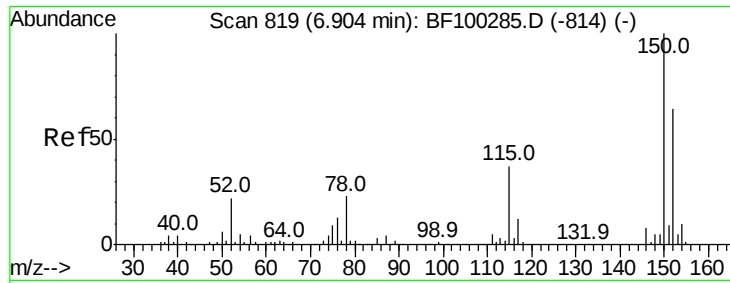
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112217\  
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Sample : I6560-01  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
RAV-MWRV5

Quant Time: Nov 27 06:50:51 2017  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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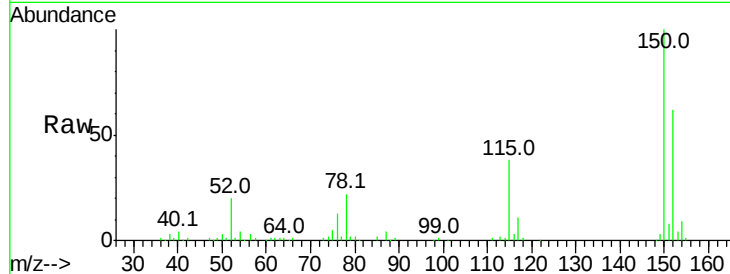


#1

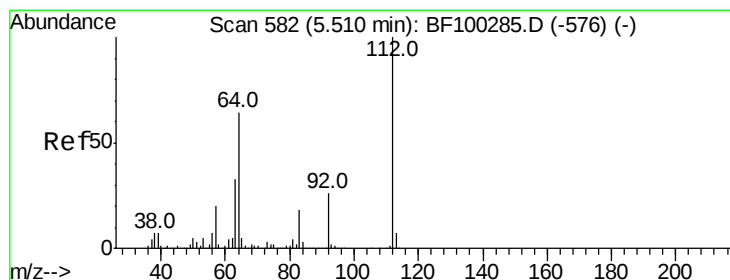
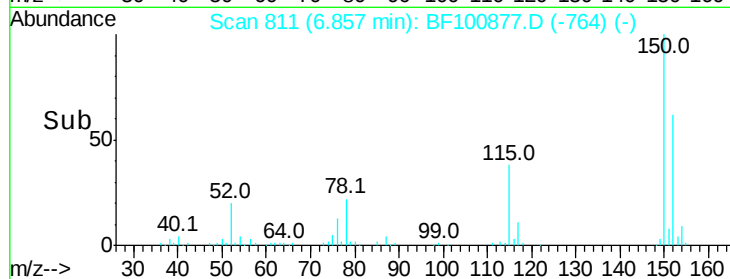
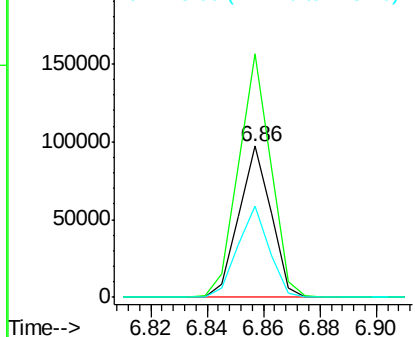
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 811  
Delta R.T. -0.02 min  
Lab File: BF100877.D  
Acq: 23 Nov 2017 15:58

Instrument :  
BNA\_F  
ClientSampleId :  
RAV-MWRV5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 161.3 | 124.6 | 186.8 |
| 115     | 60.8  | 50.1  | 75.1  |



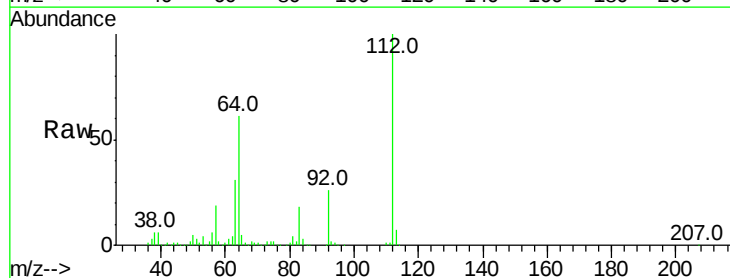
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



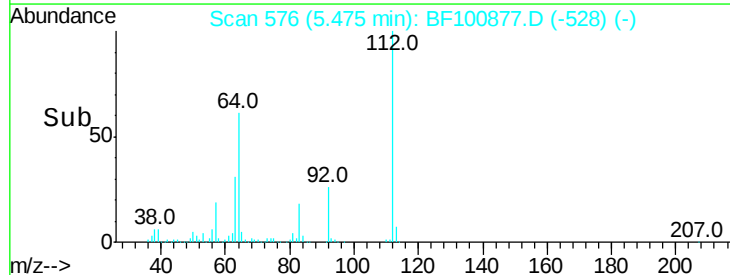
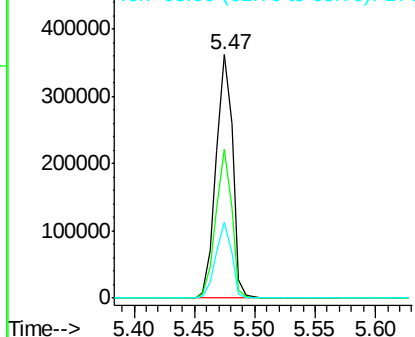
#5

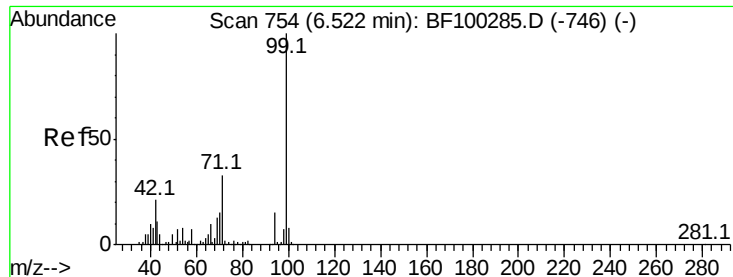
2-Fluorophenol  
Concen: 70.474 ng  
RT: 5.47 min Scan# 576  
Delta R.T. -0.02 min  
Lab File: BF100877.D  
Acq: 23 Nov 2017 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.0  | 47.9  | 71.9  |
| 63      | 30.9  | 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: 44.861 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.03 min

Lab File: BF100877.D

Acq: 23 Nov 2017 15:58

Instrument :

BNA\_F

ClientSampleId :

RAV-MWRV5

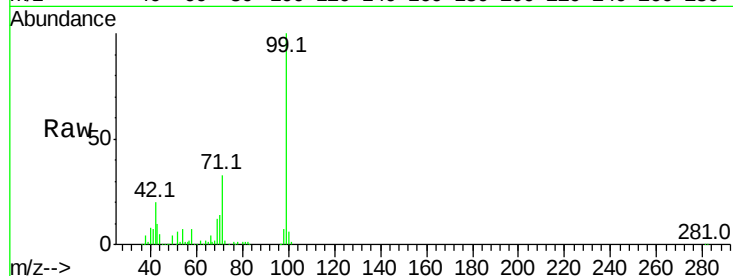
Tot Ion: 99 Resp: 266087

Ion Ratio Lower Upper

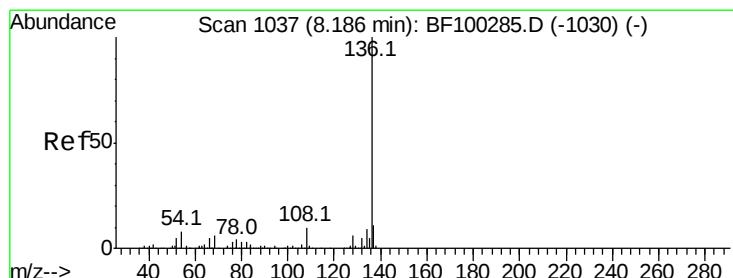
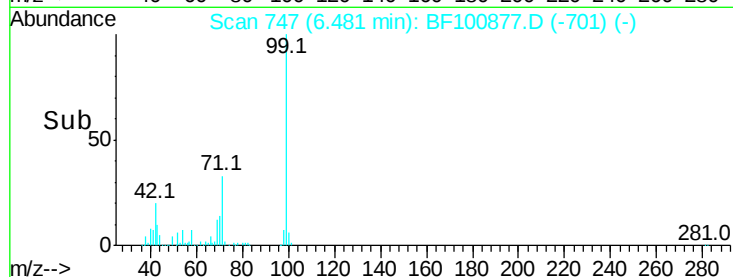
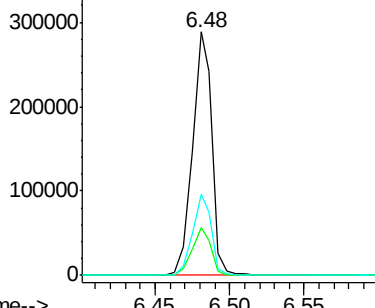
99 100

42 19.6 14.5 21.7

71 33.2 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: 8.14 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF100877.D

Acq: 23 Nov 2017 15:58

Tgt Ion: 136 Resp: 304375

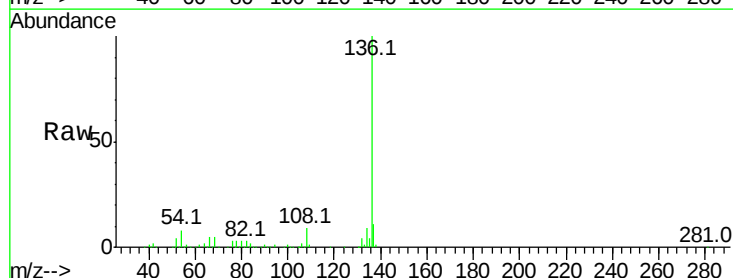
Ion Ratio Lower Upper

136 100

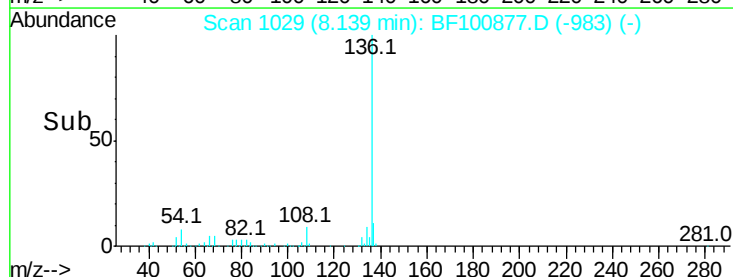
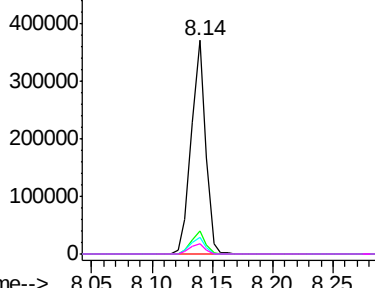
137 10.9 8.9 13.3

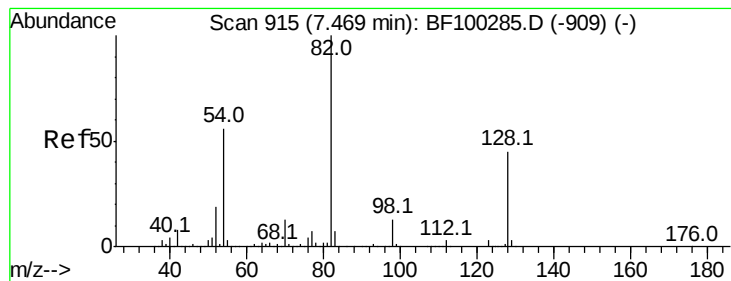
54 7.7 6.6 9.8

68 5.0 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: 112.677 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.02 min

Lab File: BF100877.D

Acq: 23 Nov 2017 15:58

Instrument :

BNA\_F

ClientSampleId :

RAV-MWRV5

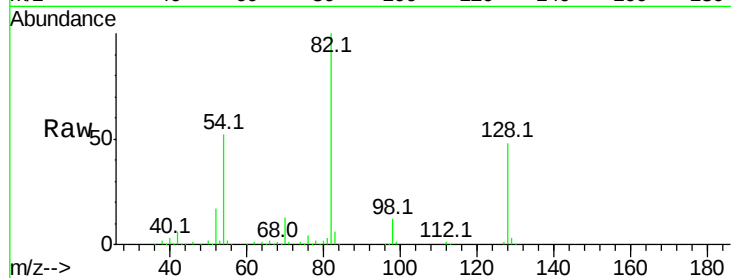
Tot Ion: 82 Resp: 518748

Ion Ratio Lower Upper

82 100

128 48.4 36.1 54.1

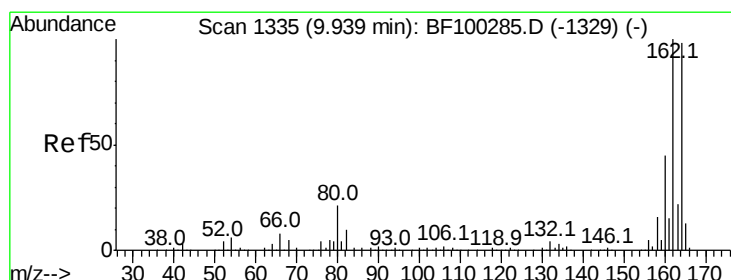
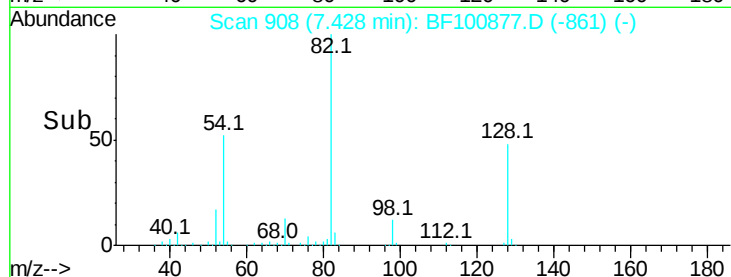
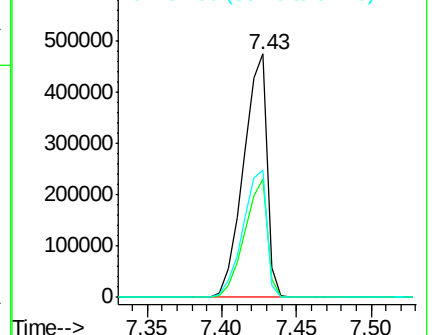
54 52.0 41.4 62.2



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: BF100877.D

Acq: 23 Nov 2017 15:58

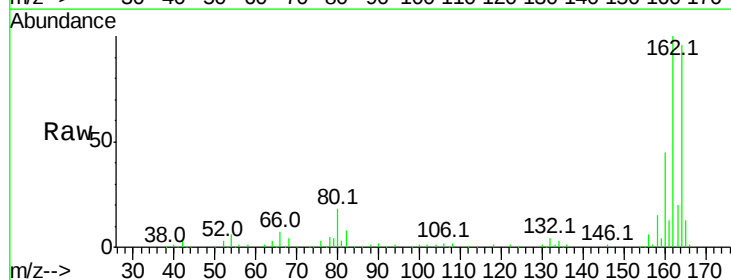
Tgt Ion: 164 Resp: 141605

Ion Ratio Lower Upper

164 100

162 104.6 86.1 129.1

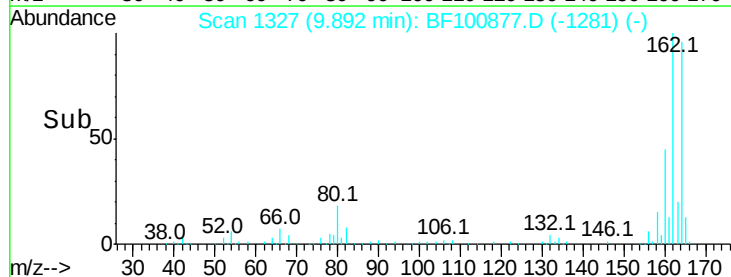
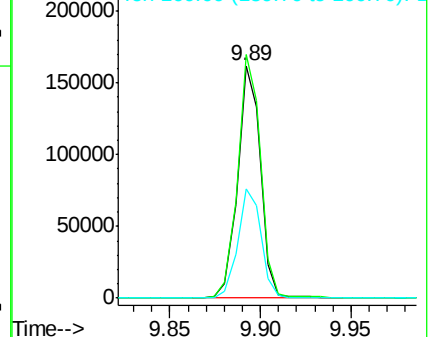
160 47.2 38.3 57.5

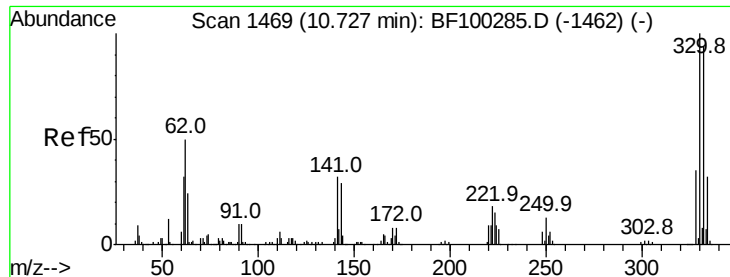


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

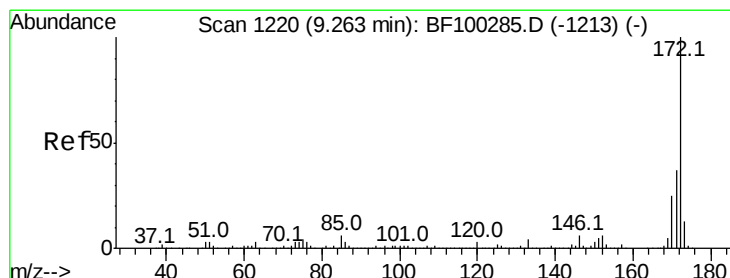
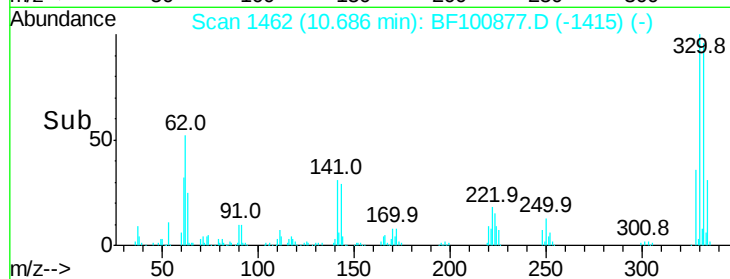
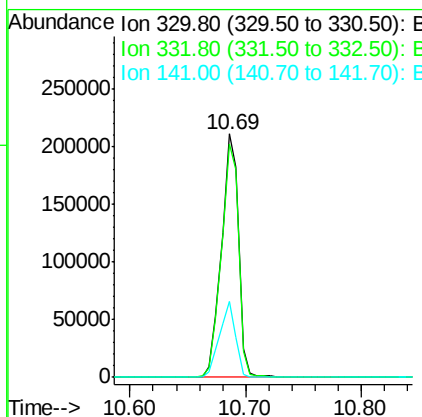
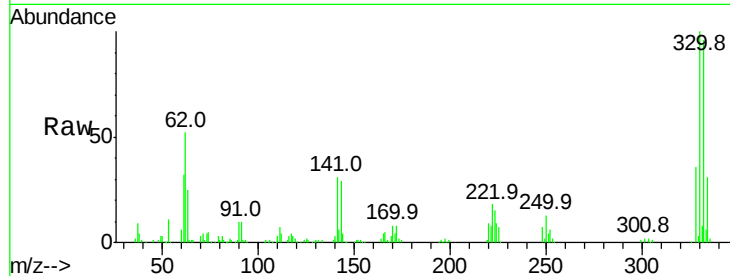




#41  
 2,4,6-Tribromophenol  
 Concen: 151.005 ng  
 RT: 10.69 min Scan# 1462  
 Delta R.T. -0.02 min  
 Lab File: BF100877.D  
 Acq: 23 Nov 2017 15:58

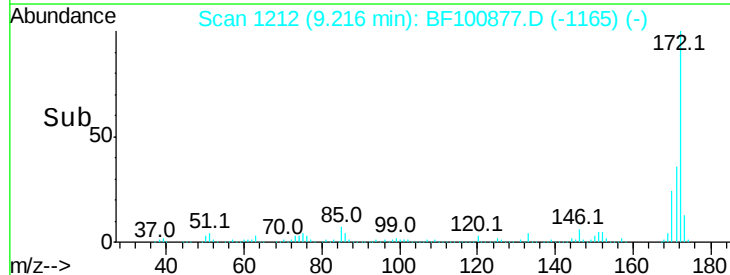
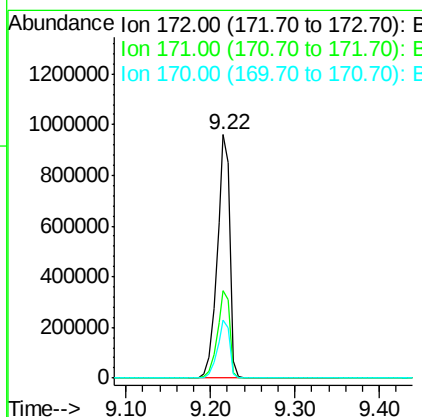
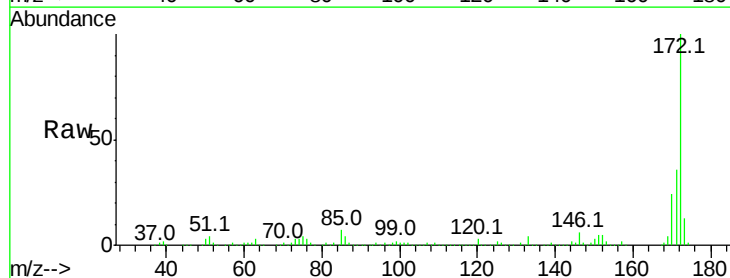
Instrument :  
 BNA\_F  
 ClientSampled :  
 RAV-MWRV5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.0  | 77.0  | 115.6 |
| 141     | 29.3  | 29.9  | 44.9# |



#44  
 2-Fluorobiphenyl  
 Concen: 109.413 ng  
 RT: 9.22 min Scan# 1212  
 Delta R.T. -0.02 min  
 Lab File: BF100877.D  
 Acq: 23 Nov 2017 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.0  | 29.7  | 44.5  |
| 170     | 23.8  | 19.6  | 29.4  |

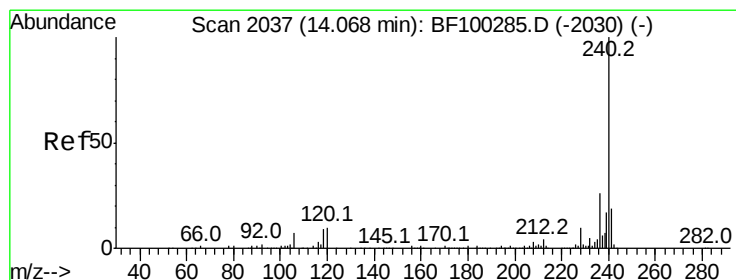
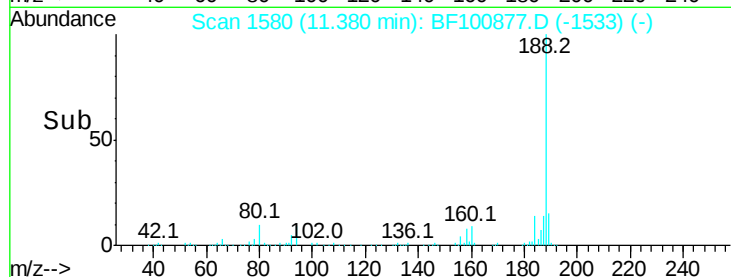
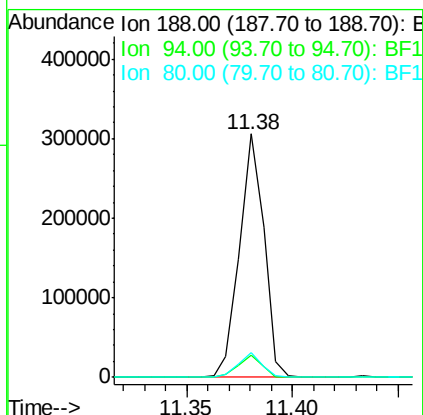
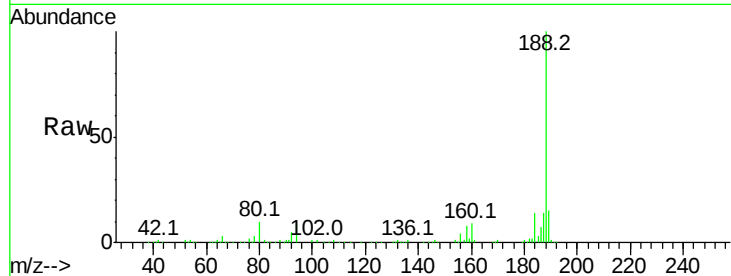




#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.38 min Scan# 1580  
Delta R.T. -0.02 min  
Lab File: BF100877.D  
Acq: 23 Nov 2017 15:58

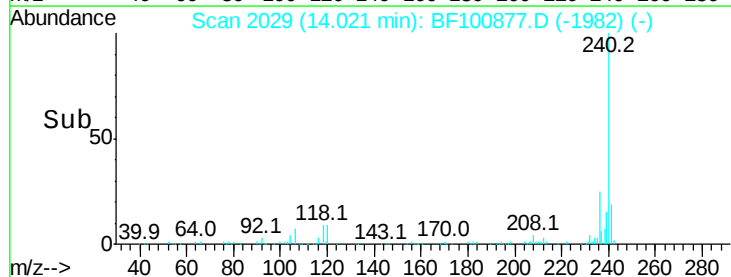
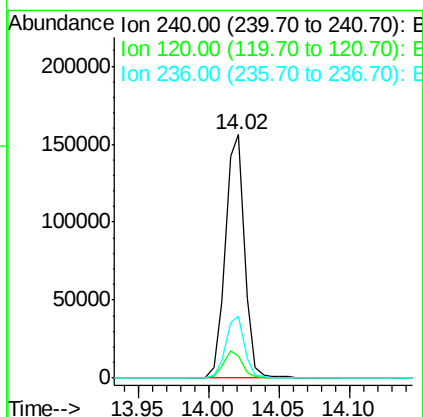
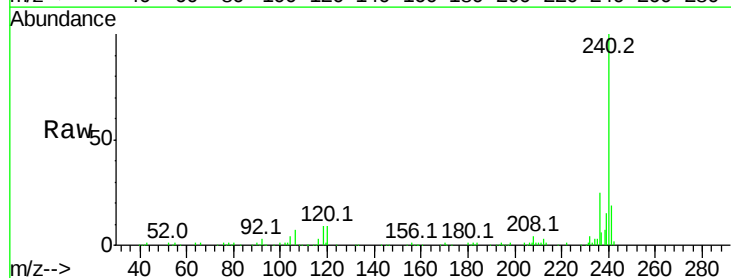
Instrument :  
BNA\_F  
ClientSampleId :  
RAV-MWRV5

Tot Ion:188 Resp: 245861  
Ion Ratio Lower Upper  
188 100  
94 8.9 8.5 12.7  
80 10.0 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: BF100877.D  
Acq: 23 Nov 2017 15:58

Tgt Ion:240 Resp: 148229  
Ion Ratio Lower Upper  
240 100  
120 9.1 9.5 14.3#  
236 25.3 20.7 31.1

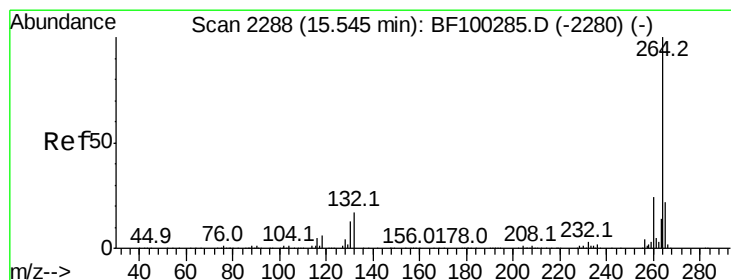
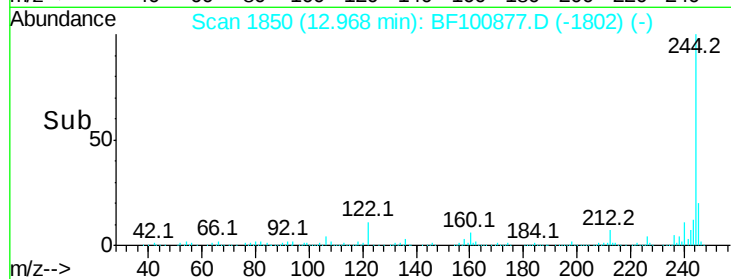
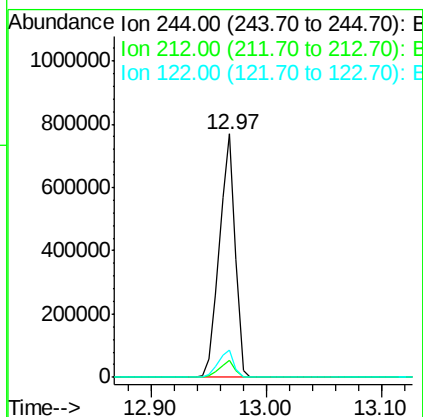
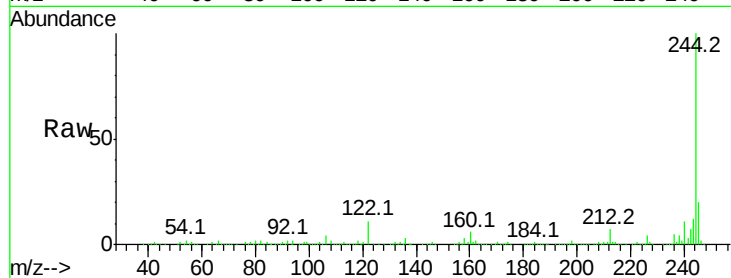




#78  
 Terphenyl-d14  
 Concen: 113.059 ng  
 RT: 12.97 min Scan# 1850  
 Delta R.T. -0.02 min  
 Lab File: BF100877.D  
 Acq: 23 Nov 2017 15:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 RAV-MWRV5

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.9   | 5.4   | 8.0   |
| 122     | 11.0  | 11.0  | 16.4  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.49 min Scan# 2279  
 Delta R.T. -0.02 min  
 Lab File: BF100877.D  
 Acq: 23 Nov 2017 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 22.8  | 19.2  | 28.8  |
| 265     | 21.0  | 17.5  | 26.3  |

